

RELATÓRIO DO PLANO DE OTIMIZAÇÃO

O objetivo da otimização é melhorar o desempenho seqüencial dos módulos: PBL – ympbl0, gwdd ; GridDynamics – delgeo e Diagnostics – globme.

O ganho após modificação desses códigos foi de 20% no tempo de execução aproximadamente. Observe o resumo dos relatórios, comparando o tempo original e o tempo depois de otimizado.

| ORIG FREQUENCY | EXCLUSIVE TIME[sec] (%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|-------------------|------------------------------|---------------------|---------|--------|---------------|----------------|----------------|-----------------|-----------------|--------------|-----------------------|
| 47558 | 47.739 (6.6) | 1.004 | 4064.0 | 1486.3 | 98.82 | 168.4 | 41.507 | 0.5699 | 3.0929 | 2.3316 | planboundlayer.ympbl0 |
| 95116 | 20.354 (3.5) | 0.214 | 6935.0 | 2716.0 | 99.11 | 184.9 | 17.912 | 0.8248 | 0.3374 | 0.0005 | planboundlayer.ympbl0 |
| 47558 | 41.120 (5.7) | 0.865 | 3373.5 | 1254.3 | 97.51 | 183.8 | 40.835 | 0.1577 | 0.0211 | 0.0212 | griddynamics.delgeo |
| 47558 | 8.285 (1.4) | 0.174 | 10635.9 | 6225.5 | 99.52 | 183.9 | 8.021 | 0.1441 | 0.0333 | 0.0000 | griddynamics.delgeo |
| 45346 | 18.747 (2.6) | 0.413 | 5761.0 | 2194.7 | 99.21 | 167.6 | 17.136 | 0.5569 | 0.2517 | 0.1081 | planboundlayer.gwdd |
| 45346 | 16.441 (2.9) | 0.363 | 6512.3 | 2515.4 | 99.31 | 167.5 | 15.193 | 0.4472 | 0.1596 | 0.0000 | planboundlayer.gwdd |
| 7404937 | 723.845 (100.0) | 0.098 | 5318.0 | 2329.2 | 98.97 | 181.5 | 652.487 | 18.2757 | 17.3572 | 13.1685 | total |
| 7500053 | 574.581 (100.0) | 0.077 | 6600.9 | 2937.0 | 99.05 | 182.3 | 512.137 | 16.5884 | 12.0966 | 5.9693 | total |

20% ganho

Em anexo os relatórios completos referentes a esses dados.

Relatório: T126L28 48hs versão Antes da Otimização de 10/04/2006
Obs: SemiImpl vetorizada – Grade reduzida

 FLOW TRACE ANALYSIS LIST

Execution : Wed Jun 7 20:27:00 2006
 Total CPU : 0:12'03"844

| FREQUENCY | EXCLUSIVE TIME[sec](%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|-----------|-----------------------------|---------------------|---------|--------|---------------|----------------|----------------|-----------------|-----------------|--------------|------------------------------|
| 10112 | 139.152(19.2) | 13.761 | 7277.5 | 3541.4 | 99.49 | 185.4 | 133.128 | 0.0637 | 0.0218 | 0.5142 | radiation.crunch |
| 47558 | 47.739(6.6) | 1.004 | 4064.0 | 1486.3 | 98.82 | 168.4 | 41.507 | 0.5699 | 3.0929 | 2.3316 | planboundlayer.ympbl0 |
| 7606 | 44.932(6.2) | 5.907 | 5954.8 | 2492.5 | 99.39 | 241.4 | 44.084 | 0.1198 | 0.0232 | 0.2676 | radiation.cloudy |
| 47558 | 41.120(5.7) | 0.865 | 3373.5 | 1254.3 | 97.51 | 183.8 | 40.835 | 0.1577 | 0.0211 | 0.0212 | griddynamics.delgeo |
| 389112 | 36.806(5.1) | 0.095 | 7990.7 | 3751.2 | 99.50 | 220.9 | 36.310 | 0.0336 | 0.1162 | 1.5858 | transform.onepass |
| 152654 | 33.542(4.6) | 0.220 | 10610.1 | 6667.3 | 99.67 | 188.9 | 33.366 | 0.0019 | 0.0640 | 0.0045 | transform.mmt |
| 152146 | 27.842(3.8) | 0.183 | 7518.1 | 4790.3 | 99.62 | 165.8 | 23.160 | 0.0021 | 3.8973 | 0.0058 | transform.mmd |
| 47558 | 19.642(2.7) | 0.413 | 2591.8 | 906.8 | 97.53 | 183.5 | 10.798 | 3.7810 | 1.7931 | 0.1124 | physicsdriver.physcs |
| 47084 | 18.777(2.6) | 0.399 | 4681.6 | 1518.1 | 99.04 | 169.5 | 17.190 | 0.5495 | 0.2432 | 0.0334 | convection.kuolcl |
| 45346 | 18.747(2.6) | 0.413 | 5761.0 | 2194.7 | 99.21 | 167.6 | 17.136 | 0.5569 | 0.2517 | 0.1081 | planboundlayer.gwdd |
| 47084 | 16.511(2.3) | 0.351 | 5729.9 | 2145.2 | 99.19 | 184.9 | 15.878 | 0.1805 | 0.0463 | 0.0274 | convection.lrgscl |
| 47084 | 13.176(1.8) | 0.280 | 4521.1 | 1193.2 | 98.37 | 183.9 | 12.299 | 0.4928 | 0.0591 | 0.1332 | convection.shalv2 |
| 47084 | 11.694(1.6) | 0.248 | 5159.6 | 1117.6 | 99.58 | 183.8 | 11.163 | 0.2509 | 0.0562 | 0.1205 | convection.mstad2 |
| 298 | 11.484(1.6) | 38.536 | 3556.5 | 2091.5 | 96.93 | 73.4 | 10.568 | 0.0023 | 0.7129 | 2.2900 | specdynamics.semiimpl |
| 7606 | 11.254(1.6) | 1.480 | 6450.5 | 3300.4 | 99.31 | 239.0 | 10.981 | 0.0611 | 0.0134 | 0.0385 | radiation.clear |
| 601 | 10.928(1.5) | 18.183 | 355.6 | 0.0 | 74.95 | 29.4 | 10.406 | 0.0036 | 0.1370 | 2.7236 | transform.depositspec |
| 47558 | 10.903(1.5) | 0.229 | 2037.3 | 0.0 | 96.76 | 183.8 | 8.340 | 1.3811 | 0.4114 | 0.0076 | physicsdriver.dryphysics |
| 47558 | 10.299(1.4) | 0.217 | 4241.5 | 1181.3 | 98.89 | 197.4 | 7.758 | 0.9158 | 0.6306 | 0.1162 | griddynamics.grpcomp |
| 47084 | 9.200(1.3) | 0.195 | 3487.3 | 1058.4 | 98.52 | 192.2 | 7.684 | 0.6761 | 0.2057 | 0.0310 | convection.gwater2 |
| 601 | 8.707(1.2) | 14.487 | 2796.8 | 341.8 | 93.84 | 148.9 | 8.302 | 0.0081 | 0.2018 | 0.1887 | transform.spectofour |
| 47558 | 8.597(1.2) | 0.181 | 4962.6 | 2368.1 | 99.30 | 189.1 | 8.334 | 0.0781 | 0.0374 | 0.0004 | radiation.rqvirt |
| 142674 | 8.195(1.1) | 0.057 | 3864.1 | 905.0 | 98.83 | 199.8 | 8.055 | 0.0517 | 0.0008 | 0.0167 | planboundlayer.gauss0 |
| 599 | 6.852(0.9) | 11.439 | 1674.8 | 259.0 | 89.80 | 72.8 | 5.871 | 0.0077 | 0.0824 | 0.0333 | transform.fourtospec |
| 65534 | 6.413(0.9) | 0.098 | 6718.0 | 3452.5 | 99.38 | 228.6 | 6.370 | 0.0010 | 0.0074 | 0.1299 | transform.splitfourtrans |
| 46650 | 6.167(0.9) | 0.132 | 1824.8 | 632.5 | 95.53 | 110.9 | 2.878 | 1.0331 | 0.5048 | 0.0034 | surface.sflxes |
| 601 | 5.940(0.8) | 9.884 | 2261.5 | 0.0 | 95.25 | 154.9 | 5.514 | 0.0041 | 0.2735 | 0.0062 | transform.withdrawgrid |
| 2528 | 5.397(0.7) | 2.135 | 3868.9 | 1554.5 | 98.82 | 184.2 | 5.182 | 0.0886 | 0.0192 | 0.0775 | radiation.lwrad |
| 65534 | 4.385(0.6) | 0.067 | 2961.7 | 0.0 | 98.41 | 228.4 | 4.347 | 0.0008 | 0.0003 | 0.0292 | transform.joingridtrans |
| 586846 | 4.327(0.6) | 0.007 | 3134.5 | 1203.6 | 98.01 | 100.8 | 3.389 | 0.1464 | 0.2092 | 0.0034 | surface.vntlax |
| 2528 | 4.230(0.6) | 1.673 | 3553.7 | 691.7 | 98.85 | 213.7 | 4.214 | 0.0107 | 0.0004 | 0.1253 | radiation.cldslw |
| 142674 | 4.197(0.6) | 0.029 | 3377.1 | 1247.2 | 98.49 | 183.8 | 4.093 | 0.0196 | 0.0083 | 0.0085 | planboundlayer.gauss1 |
| 7584 | 3.979(0.5) | 0.525 | 3495.3 | 1124.0 | 98.35 | 124.7 | 3.570 | 0.0527 | 0.0675 | 0.1487 | radiation.cldgen |
| 190232 | 3.833(0.5) | 0.020 | 5701.3 | 2360.9 | 99.38 | 183.8 | 3.665 | 0.0304 | 0.0225 | 0.0242 | griddynamics.hadvec |
| 301 | 3.736(0.5) | 12.410 | 5997.8 | 2582.3 | 98.22 | 183.8 | 3.728 | 0.0021 | 0.0007 | 0.0222 | griddynamics.timefilterstep1 |
| 2528 | 3.469(0.5) | 1.372 | 3834.9 | 1326.2 | 99.18 | 221.1 | 3.370 | 0.0338 | 0.0059 | 0.1953 | radiation.lwflux |
| 47084 | 3.368(0.5) | 0.072 | 2190.6 | 0.0 | 97.13 | 183.8 | 2.648 | 0.3701 | 0.1185 | 0.0014 | physicsdriver.humidphysics |
| 46800 | 3.345(0.5) | 0.071 | 1921.5 | 401.8 | 95.74 | 91.6 | 2.283 | 0.4592 | 0.1712 | 0.0579 | surface.radalb |
| 400246 | 3.310(0.5) | 0.008 | 2243.3 | 773.9 | 95.39 | 93.1 | 2.187 | 0.2403 | 0.1811 | 0.0018 | surface.stres2 |
| 46650 | 3.167(0.4) | 0.068 | 875.7 | 219.4 | 89.24 | 106.6 | 1.351 | 0.6434 | 0.4085 | 0.0095 | surface.fysiks |
| 301 | 3.105(0.4) | 10.316 | 5288.5 | 2071.0 | 97.90 | 183.8 | 3.100 | 0.0015 | 0.0011 | 0.0284 | griddynamics.timefilterstep2 |
| 47558 | 3.063(0.4) | 0.064 | 5299.8 | 2173.2 | 98.83 | 183.8 | 2.926 | 0.0831 | 0.0002 | 0.0238 | griddynamics.vertint |

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|---------|-------------|---------|--------|--------|-------|-------|-------|--------|--------|--------|----------------------------|
| 43146 | 3.056(0.4) | 0.071 | 6904.9 | 3970.3 | 99.32 | 204.2 | 2.988 | 0.0244 | 0.0141 | 0.0570 | transform.joinfourtrans |
| 95116 | 3.015(0.4) | 0.032 | 3982.3 | 1609.8 | 98.79 | 108.6 | 2.599 | 0.1076 | 0.0455 | 0.0000 | surface.vntltl |
| 601 | 2.822(0.4) | 4.695 | 3945.8 | 0.0 | 98.93 | 255.1 | 2.685 | 0.0160 | 0.0180 | 0.3516 | transform.dospectogrid |
| 93300 | 2.805(0.4) | 0.030 | 3587.1 | 1328.4 | 98.07 | 107.2 | 1.872 | 0.5164 | 0.0775 | 0.0054 | surface.temres |
| 46650 | 2.688(0.4) | 0.058 | 3805.8 | 1585.4 | 98.81 | 109.6 | 2.177 | 0.2465 | 0.0701 | 0.0197 | surface.runoff |
| 601 | 2.658(0.4) | 4.422 | 6339.2 | 0.0 | 98.44 | 256.0 | 2.625 | 0.0056 | 0.0048 | 0.3008 | transform.createspectogrid |
| 47558 | 2.617(0.4) | 0.055 | 4436.4 | 1716.9 | 98.59 | 185.0 | 1.610 | 0.4109 | 0.2134 | 0.0078 | surface.seasfc |
| 46650 | 2.604(0.4) | 0.056 | 2227.0 | 774.0 | 96.87 | 99.1 | 1.684 | 0.3791 | 0.1752 | 0.0021 | surface.interc |
| 7584 | 2.594(0.4) | 0.342 | 2682.4 | 918.7 | 99.48 | 174.6 | 2.458 | 0.0251 | 0.0699 | 0.0997 | radiation.getoz |
| 1058201 | 2.500(0.3) | 0.002 | 4347.0 | 1883.8 | 98.89 | 111.8 | 1.991 | 0.0245 | 0.0224 | 0.0017 | surface.cut |
| 599 | 2.438(0.3) | 4.070 | 2344.4 | 0.0 | 95.35 | 155.2 | 2.187 | 0.0042 | 0.1076 | 0.0010 | transform.depositgrid |
| 142674 | 2.385(0.3) | 0.017 | 6878.5 | 3129.4 | 99.26 | 183.8 | 2.241 | 0.0466 | 0.0111 | 0.0152 | griddynamics.vadvec |
| 47558 | 2.385(0.3) | 0.050 | 5852.0 | 2750.2 | 98.85 | 183.8 | 2.158 | 0.1212 | 0.0268 | 0.0089 | griddynamics.vadvtmp |
| 7606 | 2.184(0.3) | 0.287 | 3412.2 | 687.3 | 98.24 | 216.0 | 1.846 | 0.1556 | 0.0458 | 0.0075 | radiation.setsw |
| 301 | 2.170(0.3) | 7.209 | 5559.6 | 2305.2 | 98.02 | 183.8 | 2.168 | 0.0010 | 0.0008 | 0.0355 | griddynamics.addtend |
| 47558 | 2.133(0.3) | 0.045 | 6427.8 | 3130.5 | 99.13 | 183.8 | 1.976 | 0.0946 | 0.0085 | 0.0078 | griddynamics.tndtold |
| 45150 | 2.118(0.3) | 0.047 | 303.4 | 43.8 | 29.40 | 19.6 | 0.616 | 0.2162 | 0.2480 | 0.0000 | surface.wheat |
| 47558 | 2.113(0.3) | 0.044 | 1560.2 | 298.1 | 94.35 | 184.3 | 0.963 | 0.4481 | 0.2307 | 0.0029 | radiation.spmrad |
| 43146 | 1.994(0.3) | 0.046 | 2783.9 | 0.0 | 98.05 | 204.0 | 1.968 | 0.0013 | 0.0003 | 0.0123 | transform.splitgridtrans |
| 942154 | 1.953(0.3) | 0.002 | 825.2 | 163.9 | 79.46 | 183.8 | 0.568 | 0.1290 | 0.3763 | 0.0000 | diagnostics.updia |
| 7900 | 1.951(0.3) | 0.247 | 2805.3 | 272.5 | 98.48 | 242.1 | 1.605 | 0.1453 | 0.0737 | 0.0216 | radiation.swrad |
| 4224 | 1.812(0.3) | 0.429 | 4063.9 | 833.7 | 98.37 | 212.4 | 1.685 | 0.0002 | 0.0002 | 0.0000 | utils.cyclicnearest_r |
| 287 | 1.802(0.2) | 6.278 | 2548.1 | 580.1 | 99.75 | 254.0 | 1.801 | 0.0004 | 0.0002 | 0.0891 | specdynamics.filttdiss |
| 599 | 1.556(0.2) | 2.598 | 6458.1 | 0.0 | 98.42 | 256.0 | 1.523 | 0.0060 | 0.0046 | 0.1362 | transform.creategridtospec |
| 18 | 1.510(0.2) | 83.901 | 3653.5 | 801.6 | 98.01 | 143.3 | 1.448 | 0.0000 | 0.0000 | 0.0412 | nonlinearnmi.vertic |
| 303 | 1.149(0.2) | 3.791 | 4536.9 | 1447.8 | 95.48 | 192.0 | 1.114 | 0.0004 | 0.0002 | 0.0000 | transform.dellam |
| 47558 | 1.144(0.2) | 0.024 | 4193.3 | 1582.1 | 99.04 | 183.8 | 1.082 | 0.0311 | 0.0077 | 0.0096 | griddynamics.delwind |
| 45150 | 1.123(0.2) | 0.025 | 668.8 | 183.2 | 74.00 | 106.6 | 0.126 | 0.1131 | 0.1555 | 0.0002 | surface.sextrp |
| 301 | 1.103(0.2) | 3.664 | 5728.2 | 1490.8 | 99.76 | 254.0 | 1.102 | 0.0003 | 0.0002 | 0.0010 | specdynamics.uvtodz |
| 47558 | 1.062(0.1) | 0.022 | 4507.9 | 1703.7 | 99.21 | 183.8 | 1.007 | 0.0227 | 0.0028 | 0.0139 | griddynamics.coriol |
| 46650 | 1.042(0.1) | 0.022 | 2341.5 | 961.6 | 96.77 | 76.7 | 0.658 | 0.1480 | 0.0701 | 0.0000 | surface.stomat |
| 47558 | 1.028(0.1) | 0.022 | 5315.5 | 2200.4 | 99.35 | 183.8 | 0.968 | 0.0198 | 0.0146 | 0.0210 | griddynamics.nlprgr |
| 301 | 0.981(0.1) | 3.258 | 745.4 | 7.8 | 91.13 | 208.7 | 0.373 | 0.2722 | 0.2473 | 0.0037 | modtimestep.timestep |
| 599 | 0.969(0.1) | 1.617 | 3437.4 | 0.0 | 99.60 | 252.6 | 0.965 | 0.0015 | 0.0013 | 0.1779 | transform.withdrawspectral |
| 46650 | 0.896(0.1) | 0.019 | 1616.7 | 341.6 | 94.97 | 108.2 | 0.504 | 0.1494 | 0.0748 | 0.0001 | surface.snowm |
| 301 | 0.882(0.1) | 2.931 | 4468.1 | 1351.6 | 98.96 | 199.2 | 0.878 | 0.0018 | 0.0009 | 0.0003 | modtimestep.dirtrans |
| 57792 | 0.849(0.1) | 0.015 | 4692.9 | 2293.8 | 98.56 | 195.3 | 0.685 | 0.0058 | 0.0111 | 0.0000 | radiation.coszmed |
| 47558 | 0.842(0.1) | 0.018 | 7189.1 | 3743.2 | 99.33 | 183.8 | 0.742 | 0.0636 | 0.0006 | 0.0073 | griddynamics.omega |
| 47558 | 0.797(0.1) | 0.017 | 8554.8 | 4543.2 | 99.58 | 183.8 | 0.719 | 0.0347 | 0.0257 | 0.0051 | griddynamics.tmptend |
| 891 | 0.784(0.1) | 0.879 | 2950.6 | 295.1 | 97.47 | 141.8 | 0.749 | 0.0000 | 0.0072 | 0.0144 | utils.iminv |
| 301 | 0.766(0.1) | 2.546 | 7817.0 | 1815.4 | 99.86 | 254.0 | 0.766 | 0.0003 | 0.0000 | 0.0004 | specdynamics.dztouv |
| 47558 | 0.697(0.1) | 0.015 | 6039.7 | 3245.3 | 99.40 | 183.8 | 0.639 | 0.0287 | 0.0033 | 0.0079 | griddynamics.metric |
| 46650 | 0.683(0.1) | 0.015 | 3083.3 | 1323.4 | 98.16 | 111.2 | 0.458 | 0.1055 | 0.0482 | 0.0018 | surface.root |
| 602 | 0.673(0.1) | 1.117 | 5395.6 | 1654.7 | 99.67 | 254.0 | 0.672 | 0.0003 | 0.0001 | 0.0000 | specdynamics.gozrim2d |
| 1 | 0.637(0.1) | 637.066 | 252.3 | 161.3 | 3.00 | 182.3 | 0.001 | 0.0000 | 0.0000 | 0.0000 | convection.initmstad2 |
| 93300 | 0.568(0.1) | 0.006 | 2593.2 | 755.1 | 97.48 | 111.0 | 0.397 | 0.0532 | 0.0375 | 0.0006 | surface.rbrd |
| 46650 | 0.550(0.1) | 0.012 | 69.4 | 0.0 | 0.00 | 0.0 | 0.000 | 0.2710 | 0.1272 | 0.0000 | surface.pbl |
| 46650 | 0.529(0.1) | 0.011 | 1571.2 | 530.8 | 94.58 | 106.6 | 0.260 | 0.1226 | 0.0210 | 0.0002 | surface.update |
| 298 | 0.489(0.1) | 1.639 | 7267.0 | 3272.4 | 99.75 | 254.0 | 0.485 | 0.0011 | 0.0012 | 0.0297 | specdynamics.impldifu |
| 47558 | 0.409(0.1) | 0.009 | 374.7 | 0.0 | 74.29 | 13.0 | 0.250 | 0.0705 | 0.0657 | 0.0000 | surface.copysurfacedata |
| 120518 | 0.387(0.1) | 0.003 | 166.5 | 46.5 | 0.00 | 0.0 | 0.000 | 0.1455 | 0.0546 | 0.0000 | radiation.radtim |
| 65534 | 0.373(0.1) | 0.006 | 128.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0027 | 0.0932 | 0.0000 | transform.invffttrans |
| 47558 | 0.360(0.0) | 0.008 | 4259.3 | 2599.7 | 98.92 | 183.8 | 0.240 | 0.0550 | 0.0217 | 0.0004 | diagnostics.pwater |
| 2277 | 0.358(0.0) | 0.157 | 2986.9 | 942.7 | 97.01 | 180.2 | 0.254 | 0.0000 | 0.0044 | 0.0097 | nonlinearnmi.horiz2 |
| 46650 | 0.354(0.0) | 0.008 | 1656.1 | 533.7 | 95.80 | 106.6 | 0.235 | 0.0622 | 0.0097 | 0.0000 | surface.raduse |
| 43146 | 0.244(0.0) | 0.006 | 128.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0099 | 0.0513 | 0.0000 | transform.dirffttrans |

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|--------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|--------------------------------|
| 46650 | 0.196(0.0) | 0.004 | 1776.8 | 495.6 | 96.89 | 106.6 | 0.072 | 0.0386 | 0.0509 | 0.0003 | surface.airmod |
| 599 | 0.162(0.0) | 0.271 | 107.5 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0364 | 0.0297 | 0.0000 | transform.dogridtospec |
| 301 | 0.149(0.0) | 0.494 | 7204.5 | 3806.3 | 99.37 | 193.0 | 0.138 | 0.0028 | 0.0016 | 0.0001 | modtimestep.backtrans |
| 298 | 0.145(0.0) | 0.485 | 7332.4 | 3875.6 | 99.41 | 193.1 | 0.139 | 0.0010 | 0.0007 | 0.0000 | modtimestep.humidbacktrans |
| 2112 | 0.132(0.0) | 0.063 | 426.7 | 53.7 | 21.99 | 192.3 | 0.017 | 0.0011 | 0.0338 | 0.0000 | utils.cyclicavebox_r |
| 47558 | 0.130(0.0) | 0.003 | 58.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0350 | 0.0184 | 0.0000 | planboundlayer.ympbll |
| 1 | 0.117(0.0) | 117.360 | 1932.3 | 461.1 | 93.60 | 78.3 | 0.116 | 0.0000 | 0.0005 | 0.0158 | init.varywithlat |
| 190047 | 0.077(0.0) | 0.000 | 44.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0168 | 0.0000 | gridhistory.isgridhistoryon |
| 1 | 0.065(0.0) | 64.714 | 4724.1 | 2516.4 | 99.16 | 254.0 | 0.037 | 0.0155 | 0.0075 | 0.0000 | nonlinearnmi.nlnmi |
| 13248 | 0.052(0.0) | 0.004 | 2101.4 | 611.8 | 96.96 | 194.6 | 0.029 | 0.0001 | 0.0027 | 0.0000 | utils.cycliclinear |
| 9 | 0.048(0.0) | 5.374 | 484.0 | 86.7 | 47.82 | 195.1 | 0.001 | 0.0012 | 0.0163 | 0.0128 | inputoutput.getsbc |
| 56 | 0.043(0.0) | 0.769 | 1218.1 | 0.0 | 97.49 | 254.6 | 0.025 | 0.0104 | 0.0073 | 0.0000 | iolowlevel.writefield82d |
| 1 | 0.039(0.0) | 39.296 | 1732.3 | 262.1 | 93.63 | 203.4 | 0.027 | 0.0003 | 0.0006 | 0.0000 | surface.sibwet |
| 192 | 0.029(0.0) | 0.153 | 337.0 | 32.1 | 29.43 | 15.6 | 0.008 | 0.0000 | 0.0050 | 0.0001 | utils.cyclicfreqbox_i |
| 76519 | 0.026(0.0) | 0.000 | 66.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0016 | 0.0000 | sizes.threadcomp |
| 1200 | 0.025(0.0) | 0.021 | 114.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0040 | 0.0021 | 0.0000 | transform.destroy |
| 4804 | 0.021(0.0) | 0.004 | 158.7 | 0.0 | 12.36 | 19.3 | 0.002 | 0.0054 | 0.0022 | 0.0000 | transform.deposit2d |
| 303 | 0.020(0.0) | 0.067 | 3200.5 | 978.5 | 99.36 | 254.0 | 0.020 | 0.0002 | 0.0001 | 0.0000 | specdynamics.gozrimld |
| 1 | 0.019(0.0) | 18.792 | 6994.1 | 0.0 | 98.43 | 256.0 | 0.018 | 0.0001 | 0.0004 | 0.0000 | fieldsdynamics.initfields |
| 759 | 0.018(0.0) | 0.024 | 78.6 | 0.2 | 28.78 | 93.1 | 0.000 | 0.0098 | 0.0048 | 0.0000 | nonlinearnmi.getperg |
| 68 | 0.015(0.0) | 0.221 | 80.1 | 0.0 | 1.56 | 46.0 | 0.000 | 0.0010 | 0.0072 | 0.0000 | utils.linearibjtoij_r2d |
| 24 | 0.012(0.0) | 0.480 | 1554.9 | 0.0 | 98.12 | 183.6 | 0.011 | 0.0000 | 0.0000 | 0.0000 | diagnostics.reord |
| 22 | 0.011(0.0) | 0.495 | 2590.8 | 799.8 | 98.36 | 219.9 | 0.008 | 0.0013 | 0.0005 | 0.0000 | diagnostics.globme |
| 1 | 0.011(0.0) | 10.708 | 3198.0 | 0.8 | 97.32 | 253.5 | 0.005 | 0.0024 | 0.0018 | 0.0001 | model |
| 44 | 0.010(0.0) | 0.227 | 1418.7 | 0.0 | 98.07 | 255.9 | 0.008 | 0.0012 | 0.0010 | 0.0000 | iolowlevel.writefield81d |
| 2 | 0.008(0.0) | 3.820 | 3026.8 | 0.0 | 97.52 | 205.2 | 0.007 | 0.0003 | 0.0003 | 0.0000 | diagnostics.wridia |
| 1205 | 0.007(0.0) | 0.006 | 111.2 | 0.0 | 9.59 | 13.3 | 0.001 | 0.0025 | 0.0008 | 0.0000 | transform.depositld |
| 7871 | 0.007(0.0) | 0.001 | 84.8 | 5.8 | 0.00 | 0.0 | 0.000 | 0.0017 | 0.0018 | 0.0000 | utils.tmstamp2 |
| 1 | 0.007(0.0) | 6.742 | 295.3 | 0.4 | 3.50 | 65.3 | 0.000 | 0.0004 | 0.0006 | 0.0000 | inputoutput.initinputoutput |
| 2600 | 0.007(0.0) | 0.003 | 173.6 | 63.7 | 0.00 | 0.0 | 0.000 | 0.0011 | 0.0016 | 0.0000 | surface.extrak |
| 3 | 0.007(0.0) | 2.177 | 540.5 | 0.0 | 78.76 | 32.1 | 0.004 | 0.0000 | 0.0005 | 0.0003 | nonlinearnmi.horiz1 |
| 4 | 0.006(0.0) | 1.578 | 896.9 | 0.1 | 96.48 | 254.0 | 0.002 | 0.0029 | 0.0015 | 0.0000 | iolowlevel.readfield82d |
| 3 | 0.006(0.0) | 1.991 | 227.4 | 15.1 | 24.12 | 40.5 | 0.000 | 0.0005 | 0.0002 | 0.0000 | diagnostics.rmsgt |
| 1 | 0.006(0.0) | 5.864 | 5786.2 | 0.4 | 98.22 | 255.8 | 0.005 | 0.0001 | 0.0007 | 0.0000 | fieldsphysics.initfieldsphyscs |
| 54 | 0.006(0.0) | 0.107 | 2161.0 | 0.0 | 95.68 | 192.0 | 0.003 | 0.0014 | 0.0008 | 0.0000 | iolowlevel.readsst8 |
| 40 | 0.006(0.0) | 0.144 | 1197.2 | 0.0 | 85.73 | 192.0 | 0.006 | 0.0001 | 0.0001 | 0.0000 | diagnostics.getgau |
| 1 | 0.006(0.0) | 5.689 | 160.5 | 1.3 | 3.55 | 13.6 | 0.000 | 0.0013 | 0.0005 | 0.0000 | diagnostics.initdiagnostics |
| 116 | 0.005(0.0) | 0.047 | 1071.3 | 0.1 | 96.21 | 254.0 | 0.001 | 0.0027 | 0.0014 | 0.0000 | iolowlevel.readfield81d |
| 4 | 0.005(0.0) | 1.228 | 1018.0 | 0.0 | 94.38 | 191.6 | 0.004 | 0.0002 | 0.0002 | 0.0000 | diagnostics.wrprog |
| 40 | 0.005(0.0) | 0.120 | 1862.6 | 612.6 | 98.67 | 256.0 | 0.005 | 0.0001 | 0.0001 | 0.0000 | inputoutput.scloutgr |
| 7 | 0.004(0.0) | 0.621 | 1142.4 | 399.5 | 82.89 | 27.9 | 0.003 | 0.0000 | 0.0000 | 0.0000 | specdynamics.bmcm |
| 4 | 0.004(0.0) | 1.011 | 163.1 | 1.2 | 0.27 | 4.6 | 0.000 | 0.0006 | 0.0003 | 0.0000 | iolowlevel.writedir8 |
| 47 | 0.004(0.0) | 0.079 | 2174.1 | 1025.5 | 95.61 | 99.8 | 0.004 | 0.0000 | 0.0000 | 0.0000 | utils.legpol |
| 11 | 0.003(0.0) | 0.284 | 71.5 | 0.0 | 1.36 | 46.0 | 0.000 | 0.0002 | 0.0017 | 0.0000 | utils.aveboxijtoibjb_r2d |
| 18 | 0.003(0.0) | 0.173 | 97.8 | 0.0 | 1.63 | 46.0 | 0.000 | 0.0003 | 0.0009 | 0.0000 | utils.nearestijtoibjb_r2d |
| 1 | 0.003(0.0) | 3.095 | 2928.2 | 0.1 | 93.02 | 250.7 | 0.001 | 0.0002 | 0.0003 | 0.0000 | communications.init_mpi |
| 1 | 0.003(0.0) | 2.833 | 4386.7 | 1573.9 | 98.98 | 184.3 | 0.003 | 0.0000 | 0.0001 | 0.0001 | utils.creategridvalues |
| 1204 | 0.003(0.0) | 0.002 | 146.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0002 | 0.0000 | transform.depdlg2d |
| 1 | 0.003(0.0) | 2.568 | 2099.9 | 327.9 | 90.79 | 86.5 | 0.002 | 0.0001 | 0.0001 | 0.0000 | transform.inittransform |
| 1 | 0.002(0.0) | 2.273 | 176.8 | 3.9 | 3.72 | 34.7 | 0.000 | 0.0004 | 0.0002 | 0.0000 | surface.vegin |
| 3604 | 0.002(0.0) | 0.001 | 66.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0003 | 0.0000 | utils.nobankconflicts |
| 6 | 0.002(0.0) | 0.346 | 7114.7 | 0.0 | 98.46 | 256.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.rsdiag |
| 1 | 0.002(0.0) | 2.067 | 3201.3 | 1579.3 | 96.75 | 95.3 | 0.002 | 0.0000 | 0.0000 | 0.0000 | utils.createassoclegfunc |
| 12 | 0.002(0.0) | 0.161 | 11695.5 | 5706.0 | 99.47 | 249.8 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr2d |
| 1 | 0.002(0.0) | 1.723 | 140.0 | 0.1 | 1.80 | 70.2 | 0.000 | 0.0005 | 0.0002 | 0.0001 | options.coldwarm |
| 4 | 0.002(0.0) | 0.391 | 86.5 | 0.1 | 2.60 | 53.4 | 0.000 | 0.0006 | 0.0004 | 0.0000 | diagnostics.opnfct |

| | | | | | | | | | | | |
|-----|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|-----------------------------------|
| 298 | 0.001(0.0) | 0.005 | 45.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0004 | 0.0000 | modtimestep.humidirtrans |
| 1 | 0.001(0.0) | 1.244 | 3501.7 | 97.5 | 96.80 | 195.8 | 0.001 | 0.0001 | 0.0001 | 0.0000 | fieldsphysics.initboundcond |
| 1 | 0.001(0.0) | 1.152 | 234.6 | 0.7 | 0.11 | 71.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initnammodel |
| 2 | 0.001(0.0) | 0.555 | 116.8 | 1.7 | 0.65 | 19.3 | 0.000 | 0.0004 | 0.0002 | 0.0000 | inputoutput.gread4 |
| 288 | 0.001(0.0) | 0.004 | 58.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0004 | 0.0000 | diagnostics.accpf |
| 1 | 0.001(0.0) | 1.056 | 226.3 | 8.3 | 6.80 | 21.7 | 0.000 | 0.0001 | 0.0000 | 0.0000 | planboundlayer.initplanboundlayer |
| 6 | 0.001(0.0) | 0.169 | 5064.6 | 1559.3 | 99.50 | 250.7 | 0.001 | 0.0000 | 0.0000 | 0.0002 | nonlinearnmi.primes |
| 62 | 0.001(0.0) | 0.016 | 7457.2 | 3172.1 | 99.25 | 256.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | inputoutput.cnvray |
| 1 | 0.001(0.0) | 0.891 | 6143.7 | 0.1 | 98.21 | 255.8 | 0.001 | 0.0000 | 0.0000 | 0.0000 | diagnostics.setdia |
| 4 | 0.001(0.0) | 0.218 | 81.2 | 0.0 | 1.56 | 46.0 | 0.000 | 0.0001 | 0.0004 | 0.0000 | utils.nearestibjtoij_r2d |
| 2 | 0.001(0.0) | 0.365 | 1657.0 | 0.0 | 97.47 | 192.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readnftgz4 |
| 287 | 0.001(0.0) | 0.003 | 52.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | fieldsphysics.initgetsbc |
| 303 | 0.001(0.0) | 0.002 | 117.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0000 | 0.0000 | transform.depdlgld |
| 1 | 0.001(0.0) | 0.661 | 278.3 | 0.6 | 18.32 | 238.8 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initresnet |
| 1 | 0.001(0.0) | 0.641 | 2147.7 | 63.2 | 95.89 | 75.7 | 0.001 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initdztouv |
| 57 | 0.001(0.0) | 0.010 | 1363.6 | 476.7 | 92.55 | 73.3 | 0.000 | 0.0001 | 0.0001 | 0.0000 | transform.trigfactors |
| 2 | 0.001(0.0) | 0.266 | 4203.9 | 359.5 | 97.62 | 200.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initsurftemp |
| 6 | 0.001(0.0) | 0.087 | 1814.5 | 0.0 | 93.53 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readslm8 |
| 1 | 0.001(0.0) | 0.519 | 3243.8 | 0.1 | 93.12 | 201.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerothersizes |
| 1 | 0.001(0.0) | 0.508 | 1945.2 | 31.8 | 95.24 | 76.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inituvtodz |
| 288 | 0.000(0.0) | 0.002 | 90.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | diagnostics.prec_diag |
| 1 | 0.000(0.0) | 0.440 | 3440.9 | 1033.8 | 98.17 | 255.9 | 0.000 | 0.0001 | 0.0001 | 0.0000 | nonlinearnmi.diaten |
| 1 | 0.000(0.0) | 0.439 | 1777.0 | 36.8 | 95.27 | 60.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initgozrim |
| 154 | 0.000(0.0) | 0.003 | 157.8 | 10.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.nextsizefft |
| 57 | 0.000(0.0) | 0.008 | 246.6 | 1.8 | 44.87 | 53.4 | 0.000 | 0.0000 | 0.0001 | 0.0000 | transform.factorize |
| 1 | 0.000(0.0) | 0.291 | 2821.3 | 0.1 | 94.34 | 127.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.mpimappings |
| 287 | 0.000(0.0) | 0.001 | 53.2 | 8.3 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | inputoutput.willgetsbc |
| 1 | 0.000(0.0) | 0.243 | 2009.4 | 67.7 | 95.22 | 151.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initimpldifu |
| 1 | 0.000(0.0) | 0.223 | 128.1 | 0.2 | 1.37 | 19.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | sizes.dumpsizes |
| 1 | 0.000(0.0) | 0.204 | 1121.2 | 152.1 | 88.68 | 99.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.legpolroots |
| 1 | 0.000(0.0) | 0.192 | 1223.8 | 0.1 | 94.46 | 254.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.readlandseamask2_8 |
| 57 | 0.000(0.0) | 0.003 | 148.4 | 0.0 | 16.67 | 10.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.createfft |
| 1 | 0.000(0.0) | 0.180 | 109.8 | 0.0 | 1.40 | 46.0 | 0.000 | 0.0000 | 0.0001 | 0.0000 | utils.freqboxijtoibjb_i2d |
| 1 | 0.000(0.0) | 0.170 | 3396.9 | 0.1 | 95.67 | 167.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerbasicsizes |
| 1 | 0.000(0.0) | 0.163 | 6792.3 | 0.0 | 98.39 | 256.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initcheckfile |
| 1 | 0.000(0.0) | 0.160 | 3967.1 | 0.2 | 97.20 | 220.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistory |
| 1 | 0.000(0.0) | 0.149 | 3293.1 | 888.5 | 99.49 | 250.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.reset_epsilon_to_local |
| 1 | 0.000(0.0) | 0.147 | 115.2 | 0.0 | 1.63 | 46.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.linearijtoibjb_r2d |
| 2 | 0.000(0.0) | 0.066 | 1992.3 | 739.6 | 98.99 | 254.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | modtimestep.sfcgeotrans |
| 1 | 0.000(0.0) | 0.123 | 90.4 | 0.0 | 2.77 | 51.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initvariancia |
| 1 | 0.000(0.0) | 0.119 | 2475.2 | 377.1 | 95.46 | 79.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initsemiimpl |
| 1 | 0.000(0.0) | 0.118 | 149.5 | 0.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setsst |
| 4 | 0.000(0.0) | 0.028 | 48.8 | 0.0 | 1.16 | 4.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.writeproghead8 |
| 1 | 0.000(0.0) | 0.101 | 2247.6 | 0.1 | 97.79 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readvar8 |
| 1 | 0.000(0.0) | 0.099 | 121.9 | 0.3 | 3.87 | 66.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.initall |
| 1 | 0.000(0.0) | 0.092 | 154.5 | 2.3 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | nonlinearnmi.setmods |
| 2 | 0.000(0.0) | 0.043 | 93.6 | 0.5 | 8.20 | 14.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead4 |
| 1 | 0.000(0.0) | 0.082 | 2833.4 | 0.1 | 95.65 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readsnw8 |
| 1 | 0.000(0.0) | 0.073 | 1078.0 | 407.8 | 89.92 | 143.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setoutput |
| 1 | 0.000(0.0) | 0.072 | 251.6 | 0.3 | 19.10 | 13.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.initreadwritspec |
| 1 | 0.000(0.0) | 0.067 | 260.1 | 0.1 | 63.09 | 30.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradiation |
| 1 | 0.000(0.0) | 0.066 | 240.0 | 0.0 | 21.83 | 10.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistfields |
| 1 | 0.000(0.0) | 0.051 | 319.3 | 82.6 | 69.41 | 101.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.creategaussquad |
| 1 | 0.000(0.0) | 0.044 | 61.6 | 0.3 | 10.11 | 17.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead8 |
| 1 | 0.000(0.0) | 0.040 | 494.4 | 163.5 | 78.31 | 33.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.initversizes |
| 1 | 0.000(0.0) | 0.026 | 88.3 | 0.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.inittimestamp |

| | | | | | | | | | | | | |
|---|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|--------|----------------------------------|
| 1 | 0.000(0.0) | 0.024 | 1529.7 | 175.3 | 95.86 | 52.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | init.init_ct_cq |
| 1 | 0.000(0.0) | 0.024 | 203.8 | 20.8 | 57.51 | 42.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | convection.initconvection |
| 3 | 0.000(0.0) | 0.007 | 6879.9 | 4458.7 | 99.09 | 246.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr |
| 1 | 0.000(0.0) | 0.014 | 161.4 | 0.5 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.timestamp |
| 2 | 0.000(0.0) | 0.006 | 438.3 | 23.0 | 79.18 | 102.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.nobankconflictv |
| 1 | 0.000(0.0) | 0.011 | 133.8 | 2.8 | 11.10 | 27.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | constants.initconstants |
| 1 | 0.000(0.0) | 0.010 | 66.7 | 2.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | surface.initsurface |
| 4 | 0.000(0.0) | 0.002 | 96.1 | 11.1 | 41.58 | 11.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | options.jull |
| 1 | 0.000(0.0) | 0.006 | 80.9 | 2.2 | 9.20 | 12.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | options.settimeoutput |
| 1 | 0.000(0.0) | 0.006 | 87.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.destroyassoclegfunc |
| 1 | 0.000(0.0) | 0.006 | 888.6 | 97.9 | 83.86 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.createlegpol |
| 1 | 0.000(0.0) | 0.005 | 123.8 | 0.0 | 37.02 | 56.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | options.initblkdat |
| 1 | 0.000(0.0) | 0.004 | 94.4 | 1.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initfiltdiss |
| 1 | 0.000(0.0) | 0.003 | 69.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.writegridhistorytopo |
| 1 | 0.000(0.0) | 0.002 | 141.0 | 28.7 | 58.00 | 29.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | planboundlayer.initgwdd |
| 1 | 0.000(0.0) | 0.001 | 67.1 | 7.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.caldat |
| 1 | 0.000(0.0) | 0.001 | 66.8 | 3.8 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | utils.julday |
| 1 | 0.000(0.0) | 0.001 | 51.1 | 1.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | radiation.initgetoz |
| 1 | 0.000(0.0) | 0.001 | 93.1 | 13.1 | 70.51 | 11.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradtim |
| 1 | 0.000(0.0) | 0.000 | 34.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.turnongridhistory |
| 1 | 0.000(0.0) | 0.000 | 64.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | radiation.initspmrad |

7404937 723.845(100.0) 0.098 5318.0 2329.2 98.97 181.5 652.487 18.2757 17.3572 13.1685 total

| ELAPSE | COMM.TIME | COMM.TIME | IDLE TIME | IDLE TIME | AVER.LEN | COUNT | TOTAL LEN | PROG.UNIT |
|---------|-----------|-----------|-----------|-----------|----------|-------|-----------|--------------------------|
| [sec] | [sec] | / ELAPSE | [sec] | / ELAPSE | [byte] | | [byte] | |
| 169.702 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.crunch |
| 61.680 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cloudy |
| 57.230 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl0 |
| 46.403 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delgeo |
| 44.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmt |
| 43.182 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.onepass |
| 36.238 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmd |
| 24.138 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.physics |
| 21.943 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.kuolcl |
| 19.835 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gwdd |
| 18.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.mstad2 |
| 18.627 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.lrgscl |
| 16.142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.dryphysics |
| 14.621 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.semiimpl |
| 14.507 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.gwater2 |
| 14.239 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.shalv2 |
| 14.061 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositspec |
| 13.366 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.clear |
| 12.632 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.grpcomp |
| 11.362 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss0 |
| 10.839 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield82d |
| 10.597 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitfourtrans |
| 9.659 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.rqvirt |
| 8.976 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.fourtospec |
| 8.799 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.getperg |
| 8.755 | 0.002 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.spectofour |
| 8.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawgrid |
| 7.733 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sflxes |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|------------------------------|
| 7.110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldgen |
| 5.957 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.hadvec |
| 5.569 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwflux |
| 5.503 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlax |
| 5.443 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joingridtrans |
| 5.423 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwrad |
| 5.283 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldslw |
| 5.274 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss1 |
| 5.122 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlt1 |
| 4.778 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep1 |
| 4.522 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositgrid |
| 4.439 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stres2 |
| 4.408 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.radalb |
| 4.275 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.setsw |
| 4.253 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.addtend |
| 4.116 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vertint |
| 3.889 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dospectogrid |
| 3.741 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.runoff |
| 3.724 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createspectogrid |
| 3.690 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.seasfc |
| 3.392 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.humidphysics |
| 3.344 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.nlnmi |
| 3.212 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.fysiks |
| 3.201 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.updia |
| 3.181 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.spmrad |
| 3.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.wheat |
| 3.156 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.coriol |
| 3.108 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep2 |
| 3.072 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joinfourtrans |
| 3.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitgridtrans |
| 2.998 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.swrad |
| 2.829 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.temres |
| 2.735 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.cut |
| 2.618 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.interc |
| 2.600 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.getoz |
| 2.598 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.creategridtospec |
| 2.420 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvec |
| 2.400 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvtmp |
| 2.190 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dellam |
| 2.188 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield81d |
| 2.147 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tndtold |
| 1.817 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicnearest_r |
| 1.804 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.filttdiss |
| 1.512 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.vertic |
| 1.508 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.invffttrans |
| 1.155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delwind |
| 1.134 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sextrp |
| 1.111 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield82d |
| 1.106 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.uvtodz |
| 1.055 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stomat |
| 1.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield81d |
| 1.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.nlprgr |
| 1.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.timestep |
| 0.971 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawspectral |
| 0.907 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.snowm |
| 0.886 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.dirtrans |

| | | | | | | | | |
|-------|-------|-------|-------|-------|------|----|--------|--------------------------------|
| 0.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.coszmed |
| 0.853 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.omega |
| 0.827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsst8 |
| 0.808 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tmptend |
| 0.784 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.iminv |
| 0.768 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.dztouv |
| 0.708 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.metric |
| 0.693 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.root |
| 0.677 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim2d |
| 0.639 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initmstad2 |
| 0.612 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.pbl |
| 0.589 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.rbrd |
| 0.539 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.update |
| 0.490 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.impldifu |
| 0.420 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.copysurfacedata |
| 0.414 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.radtim |
| 0.371 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.pwater |
| 0.365 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.raduse |
| 0.359 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz2 |
| 0.309 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.getsbc |
| 0.305 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dirffttrans |
| 0.284 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.opnfct |
| 0.209 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.airmod |
| 0.187 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.coldwarm |
| 0.180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dogridtospec |
| 0.172 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl1 |
| 0.150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.backtrans |
| 0.145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidbacktrans |
| 0.135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readnftgz4 |
| 0.134 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readslm8 |
| 0.133 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicavebox_r |
| 0.133 | 0.077 | 0.579 | 0.000 | 0.000 | 0.0 | 1 | 0.0 | model |
| 0.118 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.isgridhistoryon |
| 0.117 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.varymwithlat |
| 0.110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vegin |
| 0.110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.initinputoutput |
| 0.074 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initboundcond |
| 0.065 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readlandseamask2_8 |
| 0.054 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cycliclinear |
| 0.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.threaddecomp |
| 0.041 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsdynamics.initfields |
| 0.040 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sibwet |
| 0.037 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.initdiagnostics |
| 0.036 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readvar8 |
| 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicfreqbox_i |
| 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsnw8 |
| 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initfieldsphyscs |
| 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.destroy |
| 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit2d |
| 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim1d |
| 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead8 |
| 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.linearibjbtobj_r2d |
| 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initvariancia |
| 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rmsgt |
| 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.reord |
| 0.011 | 0.000 | 0.039 | 0.000 | 0.000 | 3.0K | 44 | 132.0K | diagnostics.globme |

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|-------|-------|-------|-------|-------|-----|---|-----|-----------------------------------|
| 0.011 | 0.011 | 0.980 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | communications.init_mpi |
| 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initnammodel |
| 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.tmstamp2 |
| 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initresset |
| 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wridia |
| 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writedir8 |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.extrak |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit1d |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz1 |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.diaten |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.getgau |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wrprog |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.scloutgr |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.bmcm |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategridvalues |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nearestijtoibjb_r2d |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpol |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.aveboxijtoibjb_r2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.inittransform |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.gread4 |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflicts |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createassoclegfunc |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rsdiag |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.setdia |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr2d |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidirtrans |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.accpf |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initdztouv |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initplanboundlayer |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nearestibjbtoij_r2d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.primes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initvtdz |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.trigfactors |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.cnvray |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.mpimappings |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerothersizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerbasicsizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initgetsbc |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg1d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initgozrim |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initsurftemp |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.prec_diag |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.nextsizefft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.factorize |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initimpldifu |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initsemiimpl |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.willgetsbc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpolroots |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writeproghead8 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistory |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.dumpsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.freqboxijtoibjb_i2d |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createfft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.linearijtoibjb_r2d |

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|-------|-------|-------|-------|-------|-----|---|-----|----------------------------------|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initcheckfile |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.reset_epsilon_to_local |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.sfcgeotrans |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.initall |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategaussquad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setsst |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.setmods |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.initreadwritespec |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradiation |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistfields |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.initversizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.inittimestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initconvection |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.init_ct_cq |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.timestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflictv |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | constants.initconstants |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.initsurface |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.jull |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.settimeoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.destroyassoclegfunc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createlegpol |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initblkdat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initfiltdiss |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.writegridhistorytopo |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initgwdd |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.caldat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.julday |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initgetoz |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradtim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.turnongridhistory |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initspmrad |

Relatório: T126L28 48hs versão do OTIMIZADA de 07/06/2006

Obs: SemiImpl vetorizada – Grade reduzida

 FLOW TRACE ANALYSIS LIST

Execution : Wed Jun 7 14:17:21 2006
 Total CPU : 0:09'34"581

| FREQUENCY | EXCLUSIVE TIME[sec] (%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|--------------|------------------------------|---------------------|----------------|---------------|---------------|----------------|----------------|-----------------|-----------------|---------------|------------------------------|
| 10112 | 131.803(22.9) | 13.034 | 7683.3 | 3738.9 | 99.49 | 185.4 | 125.796 | 0.0497 | 0.0200 | 0.0000 | radiation.crunch |
| 7606 | 35.876(6.2) | 4.717 | 7457.9 | 3121.7 | 99.39 | 241.4 | 35.046 | 0.0938 | 0.0189 | 0.0243 | radiation.cloudy |
| 152654 | 29.497(5.1) | 0.193 | 12065.1 | 7581.6 | 99.67 | 188.9 | 29.371 | 0.0016 | 0.0351 | 0.0000 | transform.mmt |
| 389112 | 29.395(5.1) | 0.076 | 10005.2 | 4697.0 | 99.50 | 220.9 | 28.993 | 0.0310 | 0.0972 | 0.0036 | transform.onepass |
| 152146 | 23.116(4.0) | 0.152 | 9055.2 | 5769.6 | 99.62 | 165.8 | 19.396 | 0.0017 | 2.9588 | 0.0000 | transform.mmd |
| 95116 | 20.354(3.5) | 0.214 | 6935.0 | 2716.0 | 99.11 | 184.9 | 17.912 | 0.8248 | 0.3374 | 0.0005 | planboundlayer.ympbl0 |
| 45346 | 16.441(2.9) | 0.363 | 6512.3 | 2515.4 | 99.31 | 167.5 | 15.193 | 0.4472 | 0.1596 | 0.0000 | planboundlayer.gwdd |
| 47558 | 16.227(2.8) | 0.341 | 3081.6 | 1070.8 | 97.50 | 183.5 | 8.261 | 3.1777 | 1.5876 | 0.0093 | physicsdriver.physics |
| 47084 | 15.124(2.6) | 0.321 | 5812.4 | 1884.8 | 99.04 | 169.5 | 13.679 | 0.4986 | 0.1762 | 0.0070 | convection.kuolcl |
| 47084 | 14.186(2.5) | 0.301 | 6669.1 | 2496.8 | 99.19 | 184.9 | 13.591 | 0.1382 | 0.0523 | 0.0000 | convection.lrgscl |
| 47084 | 10.154(1.8) | 0.216 | 5866.9 | 1548.3 | 98.37 | 183.9 | 9.322 | 0.4349 | 0.0613 | 0.0023 | convection.shalv2 |
| 47084 | 10.064(1.8) | 0.214 | 5995.3 | 1298.6 | 99.58 | 183.8 | 9.583 | 0.2105 | 0.0490 | 0.1005 | convection.mstad2 |
| 298 | 9.785(1.7) | 32.834 | 4174.1 | 2454.7 | 96.93 | 73.4 | 9.003 | 0.0018 | 0.4622 | 2.2744 | specdynamics.semiimpl |
| 601 | 9.723(1.7) | 16.178 | 399.7 | 0.0 | 74.95 | 29.4 | 9.301 | 0.0029 | 0.1004 | 2.7264 | transform.depositspec |
| 7606 | 9.590(1.7) | 1.261 | 7569.5 | 3873.0 | 99.31 | 239.0 | 9.324 | 0.0551 | 0.0108 | 0.0000 | radiation.clear |
| 47558 | 8.486(1.5) | 0.178 | 5147.7 | 1433.7 | 98.89 | 197.4 | 6.188 | 0.8519 | 0.4330 | 0.0000 | griddynamics.grpcomp |
| 47558 | 8.285(1.4) | 0.174 | 10635.9 | 6225.5 | 99.52 | 183.9 | 8.021 | 0.1441 | 0.0333 | 0.0000 | griddynamics.delgeo |
| 47558 | 8.154(1.4) | 0.171 | 2724.3 | 0.0 | 96.76 | 183.8 | 5.781 | 1.2258 | 0.3795 | 0.0000 | physicsdriver.dryphysics |
| 47084 | 7.309(1.3) | 0.155 | 4389.5 | 1332.2 | 98.52 | 192.2 | 5.790 | 0.7198 | 0.2089 | 0.0001 | convection.gwater2 |
| 47558 | 7.291(1.3) | 0.153 | 5851.7 | 2792.4 | 99.30 | 189.1 | 7.035 | 0.0752 | 0.0351 | 0.0000 | radiation.rqvirt |
| 601 | 6.865(1.2) | 11.423 | 3546.9 | 433.4 | 93.84 | 148.9 | 6.551 | 0.0077 | 0.1274 | 0.0023 | transform.spectofour |
| 46650 | 5.324(0.9) | 0.114 | 2113.4 | 732.6 | 95.53 | 110.9 | 2.470 | 0.8316 | 0.3482 | 0.0028 | surface.sflxes |
| 599 | 5.146(0.9) | 8.591 | 2230.0 | 344.8 | 89.80 | 72.8 | 4.206 | 0.0061 | 0.0752 | 0.0023 | transform.fourtospec |
| 47558 | 5.145(0.9) | 0.108 | 6138.2 | 1859.3 | 98.80 | 183.8 | 4.817 | 0.1374 | 0.0368 | 0.0000 | planboundlayer.vdifv |
| 65534 | 4.896(0.9) | 0.075 | 8799.4 | 4522.2 | 99.38 | 228.6 | 4.865 | 0.0011 | 0.0035 | 0.0000 | transform.splitfourtrans |
| 601 | 4.450(0.8) | 7.404 | 3019.0 | 0.0 | 95.25 | 154.9 | 4.023 | 0.0035 | 0.2588 | 0.0000 | transform.withdrawgrid |
| 47558 | 4.249(0.7) | 0.089 | 5461.9 | 1540.0 | 98.65 | 183.8 | 3.932 | 0.1396 | 0.0368 | 0.0000 | planboundlayer.vdifh |
| 47558 | 4.101(0.7) | 0.086 | 6235.0 | 2127.6 | 98.83 | 183.8 | 3.785 | 0.1650 | 0.0291 | 0.0000 | planboundlayer.vdifv |
| 586846 | 3.877(0.7) | 0.007 | 3498.6 | 1343.4 | 98.01 | 100.8 | 3.031 | 0.1308 | 0.1825 | 0.0030 | surface.vntlax |
| 2528 | 3.579(0.6) | 1.416 | 5833.5 | 2343.8 | 98.82 | 184.2 | 3.384 | 0.0727 | 0.0168 | 0.0000 | radiation.lwrad |
| 7584 | 3.497(0.6) | 0.461 | 3976.2 | 1278.7 | 98.35 | 124.7 | 3.117 | 0.0396 | 0.0502 | 0.1172 | radiation.cldgen |
| 65534 | 3.310(0.6) | 0.051 | 3923.2 | 0.0 | 98.41 | 228.4 | 3.282 | 0.0007 | 0.0002 | 0.0001 | transform.joingridtrans |
| 301 | 3.087(0.5) | 10.256 | 7257.7 | 3124.7 | 98.22 | 183.8 | 3.077 | 0.0020 | 0.0008 | 0.0000 | griddynamics.timefilterstep1 |
| 190232 | 3.014(0.5) | 0.016 | 7250.3 | 3002.3 | 99.38 | 183.8 | 2.888 | 0.0276 | 0.0072 | 0.0000 | griddynamics.hadvec |
| 46800 | 3.003(0.5) | 0.064 | 2140.6 | 447.6 | 95.74 | 91.6 | 1.992 | 0.4310 | 0.1495 | 0.0567 | surface.radalb |
| 2528 | 3.001(0.5) | 1.187 | 4433.7 | 1533.3 | 99.18 | 221.1 | 2.908 | 0.0288 | 0.0040 | 0.1338 | radiation.lwflux |
| 142674 | 2.971(0.5) | 0.021 | 4771.6 | 1762.3 | 98.49 | 183.8 | 2.870 | 0.0275 | 0.0146 | 0.0000 | planboundlayer.gauss1 |
| 400246 | 2.877(0.5) | 0.007 | 2580.5 | 890.2 | 95.39 | 93.1 | 1.954 | 0.1824 | 0.0997 | 0.0016 | surface.stres2 |
| 46650 | 2.847(0.5) | 0.061 | 974.3 | 244.1 | 89.24 | 106.6 | 1.192 | 0.5585 | 0.3421 | 0.0091 | surface.fysiks |
| 95116 | 2.730(0.5) | 0.029 | 4397.0 | 1777.5 | 98.79 | 108.6 | 2.372 | 0.0586 | 0.0393 | 0.0000 | surface.vntl1 |
| 301 | 2.655(0.5) | 8.821 | 6184.4 | 2421.9 | 97.90 | 183.8 | 2.649 | 0.0015 | 0.0010 | 0.0000 | griddynamics.timefilterstep2 |
| 47084 | 2.554(0.4) | 0.054 | 2888.3 | 0.0 | 97.13 | 183.8 | 1.904 | 0.3124 | 0.1113 | 0.0000 | physicsdriver.humidphysics |

| | | | | | | | | | | | |
|---------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|----------------------------|
| 46650 | 2.554(0.4) | 0.055 | 4005.7 | 1668.6 | 98.81 | 109.6 | 2.112 | 0.1858 | 0.0643 | 0.0200 | surface.runoff |
| 601 | 2.477(0.4) | 4.122 | 4494.6 | 0.0 | 98.93 | 255.1 | 2.339 | 0.0137 | 0.0207 | 0.0000 | transform.dospectogrid |
| 7584 | 2.417(0.4) | 0.319 | 2878.9 | 986.0 | 99.48 | 174.6 | 2.300 | 0.0202 | 0.0575 | 0.0984 | radiation.getoz |
| 93300 | 2.384(0.4) | 0.026 | 4220.2 | 1562.9 | 98.07 | 107.2 | 1.529 | 0.4309 | 0.0781 | 0.0007 | surface.temres |
| 601 | 2.364(0.4) | 3.933 | 7127.9 | 0.0 | 98.44 | 256.0 | 2.332 | 0.0049 | 0.0042 | 0.0000 | transform.createspectogrid |
| 2528 | 2.340(0.4) | 0.926 | 6423.4 | 1250.2 | 98.85 | 213.7 | 2.327 | 0.0075 | 0.0003 | 0.0000 | radiation.cldslw |
| 43146 | 2.300(0.4) | 0.053 | 9176.1 | 5276.2 | 99.32 | 204.2 | 2.241 | 0.0223 | 0.0089 | 0.0000 | transform.joinfourtrans |
| 47558 | 2.279(0.4) | 0.048 | 7124.0 | 2921.2 | 98.83 | 183.8 | 2.158 | 0.0776 | 0.0001 | 0.0000 | griddynamics.vertint |
| 46650 | 2.266(0.4) | 0.049 | 2559.4 | 889.6 | 96.87 | 99.1 | 1.404 | 0.3354 | 0.1716 | 0.0014 | surface.interc |
| 47558 | 2.260(0.4) | 0.048 | 5135.9 | 1987.6 | 98.59 | 185.0 | 1.320 | 0.3415 | 0.1872 | 0.0000 | surface.seasfc |
| 1058201 | 2.107(0.4) | 0.002 | 5157.8 | 2235.1 | 98.89 | 111.8 | 1.664 | 0.0185 | 0.0343 | 0.0000 | surface.cut |
| 45150 | 2.054(0.4) | 0.046 | 312.8 | 45.2 | 29.40 | 19.6 | 0.590 | 0.1925 | 0.2245 | 0.0000 | surface.wheat |
| 599 | 1.943(0.3) | 3.244 | 2942.0 | 0.0 | 95.35 | 155.2 | 1.693 | 0.0034 | 0.1022 | 0.0007 | transform.depositgrid |
| 142674 | 1.848(0.3) | 0.013 | 8877.2 | 4038.7 | 99.26 | 183.8 | 1.735 | 0.0466 | 0.0030 | 0.0000 | griddynamics.vadvec |
| 47558 | 1.825(0.3) | 0.038 | 7650.5 | 3595.4 | 98.85 | 183.8 | 1.616 | 0.1155 | 0.0242 | 0.0000 | griddynamics.vadvtmp |
| 301 | 1.742(0.3) | 5.789 | 6923.8 | 2870.9 | 98.02 | 183.8 | 1.740 | 0.0009 | 0.0008 | 0.0000 | griddynamics.addtend |
| 47558 | 1.717(0.3) | 0.036 | 1919.4 | 366.8 | 94.35 | 184.3 | 0.636 | 0.3851 | 0.2240 | 0.0000 | radiation.spmrad |
| 287 | 1.704(0.3) | 5.936 | 2694.7 | 613.4 | 99.75 | 254.0 | 1.703 | 0.0003 | 0.0002 | 0.0888 | specdynamics.filtddiss |
| 942154 | 1.688(0.3) | 0.002 | 954.4 | 189.6 | 79.46 | 183.8 | 0.374 | 0.1219 | 0.4511 | 0.0000 | diagnostics.updia |
| 47558 | 1.659(0.3) | 0.035 | 8262.0 | 4023.8 | 99.13 | 183.8 | 1.504 | 0.0989 | 0.0001 | 0.0000 | griddynamics.tndtold |
| 7606 | 1.651(0.3) | 0.217 | 4513.8 | 909.2 | 98.24 | 216.0 | 1.349 | 0.1309 | 0.0411 | 0.0002 | radiation.setsw |
| 43146 | 1.468(0.3) | 0.034 | 3781.6 | 0.0 | 98.05 | 204.0 | 1.449 | 0.0011 | 0.0011 | 0.0000 | transform.splitgridtrans |
| 7900 | 1.437(0.3) | 0.182 | 3807.8 | 369.9 | 98.48 | 242.1 | 1.132 | 0.1174 | 0.0595 | 0.0006 | radiation.swrad |
| 599 | 1.422(0.2) | 2.374 | 7066.1 | 0.0 | 98.42 | 256.0 | 1.391 | 0.0053 | 0.0042 | 0.0000 | transform.creategridtospec |
| 18 | 1.357(0.2) | 75.380 | 4066.5 | 892.3 | 98.01 | 143.3 | 1.294 | 0.0000 | 0.0000 | 0.0412 | nonlinearnmi.vertic |
| 4224 | 1.263(0.2) | 0.299 | 5829.7 | 1195.9 | 98.37 | 212.4 | 1.137 | 0.0001 | 0.0011 | 0.0000 | utils.cyclicnearest_r |
| 45150 | 1.075(0.2) | 0.024 | 698.7 | 191.4 | 74.00 | 106.6 | 0.099 | 0.0911 | 0.1223 | 0.0000 | surface.sextrp |
| 46650 | 0.942(0.2) | 0.020 | 2590.3 | 1063.8 | 96.77 | 76.7 | 0.600 | 0.1153 | 0.0512 | 0.0000 | surface.stomat |
| 303 | 0.916(0.2) | 3.023 | 5689.3 | 1815.5 | 95.48 | 192.0 | 0.878 | 0.0004 | 0.0002 | 0.0000 | transform.dellam |
| 301 | 0.831(0.1) | 2.761 | 879.7 | 9.2 | 91.13 | 208.7 | 0.310 | 0.2402 | 0.2067 | 0.0030 | modtimestep.timestep |
| 47558 | 0.819(0.1) | 0.017 | 5856.8 | 2209.7 | 99.04 | 183.8 | 0.778 | 0.0184 | 0.0012 | 0.0000 | griddynamics.delwind |
| 47558 | 0.797(0.1) | 0.017 | 6009.2 | 2271.1 | 99.21 | 183.8 | 0.757 | 0.0193 | 0.0070 | 0.0000 | griddynamics.coriol |
| 301 | 0.778(0.1) | 2.584 | 8122.2 | 2113.8 | 99.76 | 254.0 | 0.777 | 0.0002 | 0.0002 | 0.0000 | specdynamics.uvtodz |
| 46650 | 0.766(0.1) | 0.016 | 1891.3 | 399.7 | 94.97 | 108.2 | 0.377 | 0.1519 | 0.0664 | 0.0000 | surface.snowm |
| 57792 | 0.766(0.1) | 0.013 | 5205.1 | 2544.2 | 98.56 | 195.3 | 0.597 | 0.0123 | 0.0143 | 0.0000 | radiation.coszmed |
| 47558 | 0.752(0.1) | 0.016 | 7264.7 | 3007.3 | 99.35 | 183.8 | 0.712 | 0.0190 | 0.0029 | 0.0000 | griddynamics.nlprgr |
| 599 | 0.669(0.1) | 1.117 | 4976.9 | 0.0 | 99.60 | 252.6 | 0.666 | 0.0011 | 0.0011 | 0.1830 | transform.withdrawspectral |
| 301 | 0.669(0.1) | 2.223 | 5891.5 | 1782.2 | 98.96 | 199.2 | 0.665 | 0.0019 | 0.0009 | 0.0002 | modtimestep.dirtrans |
| 47558 | 0.647(0.1) | 0.014 | 9350.3 | 4868.5 | 99.33 | 183.8 | 0.573 | 0.0460 | 0.0004 | 0.0000 | griddynamics.omega |
| 1 | 0.637(0.1) | 637.039 | 252.3 | 161.4 | 3.00 | 182.3 | 0.001 | 0.0000 | 0.0000 | 0.0000 | convection.initmstad2 |
| 891 | 0.617(0.1) | 0.693 | 3745.5 | 374.6 | 97.47 | 141.8 | 0.586 | 0.0000 | 0.0043 | 0.0144 | utils.iminv |
| 46650 | 0.615(0.1) | 0.013 | 3423.7 | 1469.4 | 98.16 | 111.2 | 0.424 | 0.0959 | 0.0458 | 0.0018 | surface.root |
| 47558 | 0.608(0.1) | 0.013 | 11202.6 | 5949.4 | 99.58 | 183.8 | 0.546 | 0.0283 | 0.0203 | 0.0000 | griddynamics.tmptend |
| 301 | 0.577(0.1) | 1.917 | 10381.2 | 2410.9 | 99.86 | 254.0 | 0.577 | 0.0003 | 0.0001 | 0.0000 | specdynamics.dztouv |
| 47558 | 0.542(0.1) | 0.011 | 7768.3 | 4174.0 | 99.40 | 183.8 | 0.497 | 0.0211 | 0.0005 | 0.0000 | griddynamics.metric |
| 46650 | 0.518(0.1) | 0.011 | 73.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.2293 | 0.1289 | 0.0000 | surface.pbl |
| 93300 | 0.508(0.1) | 0.005 | 2896.3 | 843.4 | 97.48 | 111.0 | 0.349 | 0.0389 | 0.0251 | 0.0006 | surface.rbrd |
| 602 | 0.495(0.1) | 0.823 | 7327.3 | 2247.1 | 99.67 | 254.0 | 0.495 | 0.0002 | 0.0001 | 0.0000 | specdynamics.gozrim2d |
| 46650 | 0.446(0.1) | 0.010 | 1863.0 | 629.4 | 94.58 | 106.6 | 0.202 | 0.1187 | 0.0201 | 0.0000 | surface.update |
| 120518 | 0.377(0.1) | 0.003 | 170.7 | 47.6 | 0.00 | 0.0 | 0.000 | 0.1440 | 0.0447 | 0.0000 | radiation.radtim |
| 2277 | 0.340(0.1) | 0.149 | 3147.5 | 993.3 | 97.01 | 180.2 | 0.238 | 0.0000 | 0.0038 | 0.0097 | nonlinearnmi.horiz2 |
| 298 | 0.336(0.1) | 1.129 | 10550.4 | 4751.0 | 99.75 | 254.0 | 0.334 | 0.0009 | 0.0009 | 0.0000 | specdynamics.impldifu |
| 65534 | 0.329(0.1) | 0.005 | 145.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0030 | 0.0600 | 0.0000 | transform.invffttrans |
| 47558 | 0.316(0.1) | 0.007 | 484.4 | 0.0 | 74.29 | 13.0 | 0.193 | 0.0543 | 0.0482 | 0.0000 | surface.copysurfacedata |
| 47558 | 0.280(0.0) | 0.006 | 5481.0 | 3345.4 | 98.92 | 183.8 | 0.190 | 0.0345 | 0.0195 | 0.0000 | diagnostics.pwater |
| 46650 | 0.271(0.0) | 0.006 | 2165.1 | 697.7 | 95.80 | 106.6 | 0.169 | 0.0529 | 0.0102 | 0.0000 | surface.raduse |

| | | | | | | | | | | | |
|--------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|---------------------------------|
| 43146 | 0.252(0.0) | 0.006 | 124.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0147 | 0.0566 | 0.0000 | transform.dirffttrans |
| 599 | 0.156(0.0) | 0.260 | 112.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0352 | 0.0373 | 0.0000 | transform.dogridtospec |
| 46650 | 0.154(0.0) | 0.003 | 2261.9 | 630.9 | 96.89 | 106.6 | 0.060 | 0.0378 | 0.0391 | 0.0003 | surface.airmod |
| 95116 | 0.151(0.0) | 0.002 | 49.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0633 | 0.0493 | 0.0000 | planboundlayer.pbl_driver |
| 301 | 0.142(0.0) | 0.473 | 7527.2 | 3976.8 | 99.37 | 193.0 | 0.132 | 0.0027 | 0.0015 | 0.0001 | modtimestep.backtrans |
| 298 | 0.136(0.0) | 0.456 | 7801.4 | 4123.5 | 99.41 | 193.1 | 0.130 | 0.0011 | 0.0007 | 0.0000 | modtimestep.humidbacktrans |
| 1 | 0.116(0.0) | 115.878 | 1957.1 | 467.0 | 93.60 | 78.3 | 0.115 | 0.0000 | 0.0004 | 0.0157 | init.varymwithlat |
| 2112 | 0.092(0.0) | 0.044 | 611.3 | 76.9 | 21.99 | 192.3 | 0.004 | 0.0009 | 0.0106 | 0.0000 | utils.cyclicavebox_r |
| 190047 | 0.074(0.0) | 0.000 | 46.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0157 | 0.0000 | gridhistory.isgridhistoryon |
| 1 | 0.058(0.0) | 57.841 | 5285.4 | 2815.4 | 99.16 | 254.0 | 0.035 | 0.0125 | 0.0053 | 0.0000 | nonlinearnmi.nlnmi |
| 9 | 0.047(0.0) | 5.183 | 501.8 | 89.8 | 47.82 | 195.1 | 0.001 | 0.0009 | 0.0149 | 0.0102 | inputoutput.getsbc |
| 13248 | 0.031(0.0) | 0.002 | 3499.5 | 1018.8 | 96.96 | 194.6 | 0.016 | 0.0001 | 0.0018 | 0.0000 | utils.cycliclinear |
| 1 | 0.029(0.0) | 29.458 | 2310.9 | 349.7 | 93.63 | 203.4 | 0.017 | 0.0006 | 0.0005 | 0.0000 | surface.sibwet |
| 192 | 0.028(0.0) | 0.148 | 348.8 | 33.2 | 29.43 | 15.6 | 0.008 | 0.0000 | 0.0045 | 0.0002 | utils.cyclicfreqbox_i |
| 76519 | 0.025(0.0) | 0.000 | 70.4 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0010 | 0.0000 | sizes.threadcomp |
| 1200 | 0.024(0.0) | 0.020 | 118.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0037 | 0.0018 | 0.0000 | transform.destroy |
| 56 | 0.024(0.0) | 0.427 | 2192.1 | 0.0 | 97.49 | 254.6 | 0.010 | 0.0081 | 0.0041 | 0.0000 | iolowlevel.writefield82d |
| 4804 | 0.020(0.0) | 0.004 | 165.1 | 0.0 | 12.36 | 19.3 | 0.002 | 0.0042 | 0.0028 | 0.0000 | transform.deposit2d |
| 1 | 0.019(0.0) | 18.853 | 6971.7 | 0.0 | 98.43 | 256.0 | 0.018 | 0.0002 | 0.0004 | 0.0000 | fieldsdynamics.initfields |
| 759 | 0.015(0.0) | 0.020 | 94.6 | 0.3 | 28.78 | 93.1 | 0.000 | 0.0075 | 0.0034 | 0.0000 | nonlinearnmi.getperg |
| 303 | 0.014(0.0) | 0.047 | 4620.5 | 1412.7 | 99.36 | 254.0 | 0.014 | 0.0001 | 0.0002 | 0.0000 | specdynamics.gozrim1d |
| 68 | 0.010(0.0) | 0.150 | 117.8 | 0.0 | 1.56 | 46.0 | 0.000 | 0.0006 | 0.0029 | 0.0000 | utils.linearibjbtobj_r2d |
| 1 | 0.010(0.0) | 9.832 | 3482.8 | 0.8 | 97.32 | 253.5 | 0.005 | 0.0018 | 0.0014 | 0.0001 | model |
| 7871 | 0.008(0.0) | 0.001 | 70.0 | 4.8 | 0.00 | 0.0 | 0.000 | 0.0034 | 0.0026 | 0.0000 | utils.tmstamp2 |
| 1 | 0.006(0.0) | 6.377 | 312.3 | 0.4 | 3.50 | 65.3 | 0.000 | 0.0004 | 0.0003 | 0.0000 | inputoutput.initinputoutput |
| 1205 | 0.006(0.0) | 0.005 | 120.2 | 0.0 | 9.59 | 13.3 | 0.001 | 0.0019 | 0.0009 | 0.0000 | transform.deposit1d |
| 1 | 0.006(0.0) | 5.868 | 5782.7 | 0.4 | 98.22 | 255.8 | 0.005 | 0.0002 | 0.0007 | 0.0000 | fieldsphysics.initfieldsphysics |
| 3 | 0.006(0.0) | 1.953 | 602.5 | 0.0 | 78.76 | 32.1 | 0.003 | 0.0000 | 0.0005 | 0.0003 | nonlinearnmi.horiz1 |
| 22 | 0.006(0.0) | 0.257 | 4977.9 | 1540.5 | 98.44 | 220.6 | 0.004 | 0.0007 | 0.0002 | 0.0000 | diagnostics.globme |
| 2 | 0.006(0.0) | 2.765 | 4182.3 | 0.0 | 97.52 | 205.2 | 0.005 | 0.0001 | 0.0001 | 0.0000 | diagnostics.wridia |
| 3 | 0.005(0.0) | 1.819 | 248.8 | 16.5 | 24.12 | 40.5 | 0.000 | 0.0005 | 0.0002 | 0.0000 | diagnostics.rmsgt |
| 1 | 0.005(0.0) | 5.419 | 168.4 | 1.4 | 3.55 | 13.6 | 0.000 | 0.0012 | 0.0004 | 0.0000 | diagnostics.initdiagnostics |
| 116 | 0.005(0.0) | 0.042 | 1213.1 | 0.1 | 96.21 | 254.0 | 0.001 | 0.0024 | 0.0011 | 0.0000 | iolowlevel.readfield81d |
| 2600 | 0.004(0.0) | 0.002 | 255.5 | 93.7 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0000 | 0.0000 | surface.extrak |
| 4 | 0.004(0.0) | 1.110 | 1275.5 | 0.1 | 96.48 | 254.0 | 0.001 | 0.0022 | 0.0010 | 0.0000 | iolowlevel.readfield82d |
| 44 | 0.004(0.0) | 0.095 | 3405.5 | 0.0 | 98.07 | 255.9 | 0.003 | 0.0008 | 0.0005 | 0.0000 | iolowlevel.writefield81d |
| 54 | 0.004(0.0) | 0.074 | 3117.0 | 0.1 | 95.68 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readsst8 |
| 24 | 0.004(0.0) | 0.164 | 4559.9 | 0.0 | 98.12 | 183.6 | 0.004 | 0.0000 | 0.0000 | 0.0000 | diagnostics.reord |
| 47 | 0.004(0.0) | 0.077 | 2214.8 | 1044.7 | 95.61 | 99.8 | 0.003 | 0.0000 | 0.0000 | 0.0000 | utils.legpol |
| 4 | 0.004(0.0) | 0.876 | 188.3 | 1.4 | 0.27 | 4.6 | 0.000 | 0.0005 | 0.0001 | 0.0000 | iolowlevel.writedir8 |
| 18 | 0.003(0.0) | 0.186 | 91.0 | 0.0 | 1.63 | 46.0 | 0.000 | 0.0003 | 0.0013 | 0.0000 | utils.nearestijtoibjb_r2d |
| 1 | 0.003(0.0) | 3.142 | 2884.9 | 0.1 | 93.02 | 250.7 | 0.001 | 0.0003 | 0.0004 | 0.0000 | communications.init_mpi |
| 7 | 0.003(0.0) | 0.412 | 1724.9 | 603.2 | 82.89 | 27.9 | 0.002 | 0.0001 | 0.0001 | 0.0000 | specdynamics.bmcm |
| 1 | 0.003(0.0) | 2.822 | 4404.8 | 1580.4 | 98.98 | 184.3 | 0.003 | 0.0000 | 0.0001 | 0.0001 | utils.creategridvalues |
| 1204 | 0.003(0.0) | 0.002 | 145.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0004 | 0.0000 | transform.depdlg2d |
| 1 | 0.003(0.0) | 2.523 | 2137.6 | 333.8 | 90.79 | 86.5 | 0.002 | 0.0001 | 0.0001 | 0.0000 | transform.inittransform |
| 1 | 0.002(0.0) | 2.338 | 171.9 | 3.8 | 3.72 | 34.7 | 0.000 | 0.0004 | 0.0002 | 0.0000 | surface.vegin |
| 11 | 0.002(0.0) | 0.207 | 98.1 | 0.0 | 1.36 | 46.0 | 0.000 | 0.0001 | 0.0009 | 0.0000 | utils.aveboxijtoibjb_r2d |
| 40 | 0.002(0.0) | 0.051 | 3346.6 | 0.0 | 85.73 | 192.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.getgau |
| 6 | 0.002(0.0) | 0.342 | 7204.6 | 0.0 | 98.46 | 256.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.rsdiag |
| 1 | 0.002(0.0) | 2.004 | 3302.5 | 1629.2 | 96.75 | 95.3 | 0.002 | 0.0000 | 0.0000 | 0.0000 | utils.createassoclegfunc |
| 3604 | 0.002(0.0) | 0.001 | 74.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | utils.nobankconflicts |
| 4 | 0.002(0.0) | 0.429 | 2916.6 | 0.0 | 94.38 | 191.6 | 0.001 | 0.0002 | 0.0001 | 0.0000 | diagnostics.wrprog |
| 12 | 0.002(0.0) | 0.142 | 13309.2 | 6493.3 | 99.47 | 249.8 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr2d |
| 40 | 0.002(0.0) | 0.042 | 5322.7 | 1750.7 | 98.67 | 256.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | inputoutput.scloutgr |
| 1 | 0.002(0.0) | 1.644 | 146.6 | 0.1 | 1.80 | 70.2 | 0.000 | 0.0004 | 0.0002 | 0.0001 | options.coldwarm |

| | | | | | | | | | | | |
|-----|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|-----------------------------------|
| 4 | 0.001(0.0) | 0.372 | 90.9 | 0.1 | 2.60 | 53.4 | 0.000 | 0.0006 | 0.0004 | 0.0000 | diagnostics.opnfcf |
| 298 | 0.001(0.0) | 0.005 | 46.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0004 | 0.0000 | modtimestep.humiditrans |
| 1 | 0.001(0.0) | 1.197 | 3639.5 | 101.3 | 96.80 | 195.8 | 0.001 | 0.0001 | 0.0001 | 0.0000 | fieldsphysics.initboundcond |
| 1 | 0.001(0.0) | 1.139 | 237.2 | 0.7 | 0.11 | 71.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initnammodel |
| 1 | 0.001(0.0) | 1.120 | 213.5 | 7.8 | 6.80 | 21.7 | 0.000 | 0.0001 | 0.0000 | 0.0000 | planboundlayer.initplanboundlayer |
| 2 | 0.001(0.0) | 0.513 | 126.3 | 1.8 | 0.65 | 19.3 | 0.000 | 0.0003 | 0.0002 | 0.0000 | inputoutput.gread4 |
| 6 | 0.001(0.0) | 0.166 | 5154.4 | 1587.0 | 99.50 | 250.7 | 0.001 | 0.0000 | 0.0000 | 0.0002 | nonlinearnmi.primes |
| 288 | 0.001(0.0) | 0.003 | 67.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | diagnostics.accpf |
| 1 | 0.001(0.0) | 0.920 | 1830.7 | 0.1 | 93.12 | 201.1 | 0.000 | 0.0000 | 0.0003 | 0.0000 | sizes.registerothersizes |
| 1 | 0.001(0.0) | 0.883 | 6199.6 | 0.1 | 98.21 | 255.8 | 0.001 | 0.0000 | 0.0000 | 0.0000 | diagnostics.setdia |
| 303 | 0.001(0.0) | 0.003 | 90.5 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0002 | 0.0000 | transform.depdlgld |
| 62 | 0.001(0.0) | 0.013 | 8728.0 | 3712.7 | 99.25 | 256.0 | 0.001 | 0.0000 | 0.0001 | 0.0000 | inputoutput.cnvray |
| 4 | 0.001(0.0) | 0.177 | 99.9 | 0.0 | 1.56 | 46.0 | 0.000 | 0.0001 | 0.0003 | 0.0000 | utils.nearestibjtoij_r2d |
| 1 | 0.001(0.0) | 0.663 | 277.1 | 0.6 | 18.32 | 238.8 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initresnet |
| 287 | 0.001(0.0) | 0.002 | 59.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | fieldsphysics.initgetsbc |
| 1 | 0.001(0.0) | 0.631 | 2182.2 | 64.2 | 95.89 | 75.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initdztouv |
| 57 | 0.001(0.0) | 0.010 | 1315.9 | 460.1 | 92.55 | 73.3 | 0.000 | 0.0001 | 0.0001 | 0.0000 | transform.trigfactors |
| 1 | 0.001(0.0) | 0.510 | 1938.0 | 31.7 | 95.24 | 76.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inituvtodz |
| 154 | 0.000(0.0) | 0.003 | 139.6 | 9.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0001 | 0.0000 | transform.nextsizefft |
| 2 | 0.000(0.0) | 0.247 | 4525.8 | 387.0 | 97.62 | 200.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initsurftemp |
| 2 | 0.000(0.0) | 0.241 | 2511.8 | 0.0 | 97.47 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readnftgz4 |
| 6 | 0.000(0.0) | 0.073 | 2162.2 | 0.1 | 93.53 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readslm8 |
| 1 | 0.000(0.0) | 0.434 | 1798.5 | 37.2 | 95.27 | 60.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initgozrim |
| 288 | 0.000(0.0) | 0.001 | 94.4 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | diagnostics.prec_diag |
| 57 | 0.000(0.0) | 0.007 | 257.8 | 1.9 | 44.87 | 53.4 | 0.000 | 0.0000 | 0.0001 | 0.0000 | transform.factorize |
| 1 | 0.000(0.0) | 0.385 | 3934.7 | 1182.2 | 98.17 | 255.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | nonlinearnmi.diaten |
| 1 | 0.000(0.0) | 0.263 | 3125.5 | 0.2 | 94.34 | 127.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.mpimappings |
| 1 | 0.000(0.0) | 0.243 | 2008.5 | 67.7 | 95.22 | 151.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initimpldifu |
| 287 | 0.000(0.0) | 0.001 | 62.7 | 9.8 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | inputoutput.willgetsbc |
| 1 | 0.000(0.0) | 0.227 | 74.7 | 0.0 | 1.63 | 46.0 | 0.000 | 0.0000 | 0.0001 | 0.0000 | utils.linearijtoibjb_r2d |
| 1 | 0.000(0.0) | 0.214 | 133.4 | 0.2 | 1.37 | 19.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | sizes.dumpsizes |
| 1 | 0.000(0.0) | 0.204 | 1122.5 | 152.3 | 88.68 | 99.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.legpolroots |
| 57 | 0.000(0.0) | 0.003 | 145.3 | 0.0 | 16.67 | 10.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.createfft |
| 1 | 0.000(0.0) | 0.187 | 1251.8 | 0.1 | 94.46 | 254.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.readlandseamask2_8 |
| 1 | 0.000(0.0) | 0.180 | 109.8 | 0.0 | 1.40 | 46.0 | 0.000 | 0.0000 | 0.0001 | 0.0000 | utils.fregboxijtoibjb_i2d |
| 1 | 0.000(0.0) | 0.168 | 3443.7 | 0.1 | 95.67 | 167.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerbasicsizes |
| 1 | 0.000(0.0) | 0.163 | 6823.6 | 0.0 | 98.39 | 256.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initcheckfile |
| 1 | 0.000(0.0) | 0.160 | 3970.2 | 0.2 | 97.20 | 220.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistory |
| 1 | 0.000(0.0) | 0.148 | 3309.0 | 892.8 | 99.49 | 250.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.reset_epslon_to_local |
| 1 | 0.000(0.0) | 0.140 | 86.5 | 0.2 | 3.87 | 66.9 | 0.000 | 0.0000 | 0.0001 | 0.0000 | init.initall |
| 1 | 0.000(0.0) | 0.123 | 2402.3 | 366.0 | 95.46 | 79.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initsemiimpl |
| 1 | 0.000(0.0) | 0.119 | 93.7 | 0.0 | 2.77 | 51.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initvariancia |
| 1 | 0.000(0.0) | 0.119 | 148.6 | 0.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setsst |
| 4 | 0.000(0.0) | 0.025 | 54.5 | 0.0 | 1.16 | 4.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.writeproghead8 |
| 1 | 0.000(0.0) | 0.095 | 2375.9 | 0.1 | 97.79 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readvar8 |
| 1 | 0.000(0.0) | 0.094 | 152.1 | 2.3 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | nonlinearnmi.setmods |
| 2 | 0.000(0.0) | 0.042 | 94.9 | 0.5 | 8.20 | 14.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead4 |
| 1 | 0.000(0.0) | 0.076 | 3033.9 | 0.1 | 95.65 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readsnw8 |
| 1 | 0.000(0.0) | 0.074 | 246.6 | 0.3 | 19.10 | 13.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.initreadwritespec |
| 1 | 0.000(0.0) | 0.070 | 1115.4 | 422.0 | 89.92 | 143.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setoutput |
| 1 | 0.000(0.0) | 0.066 | 240.6 | 0.0 | 21.83 | 10.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistfields |
| 1 | 0.000(0.0) | 0.066 | 266.2 | 0.1 | 63.09 | 30.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.intradiation |
| 2 | 0.000(0.0) | 0.026 | 4988.4 | 1851.8 | 98.99 | 254.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | modtimestep.sfcgeotrans |
| 1 | 0.000(0.0) | 0.051 | 321.6 | 83.2 | 69.41 | 101.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.creategaussquad |
| 1 | 0.000(0.0) | 0.042 | 65.1 | 0.3 | 10.11 | 17.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead8 |
| 1 | 0.000(0.0) | 0.040 | 492.5 | 162.9 | 78.31 | 33.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.initversizes |

| | | | | | | | | | | | |
|---|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|----------------------------------|
| 1 | 0.000(0.0) | 0.025 | 90.3 | 0.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.inittimestamp |
| 1 | 0.000(0.0) | 0.024 | 1507.7 | 172.8 | 95.86 | 52.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.init_ct_cq |
| 1 | 0.000(0.0) | 0.024 | 205.8 | 21.0 | 57.51 | 42.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | convection.initconvection |
| 3 | 0.000(0.0) | 0.007 | 7191.2 | 4660.4 | 99.09 | 246.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr |
| 1 | 0.000(0.0) | 0.014 | 163.5 | 0.5 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.timestamp |
| 1 | 0.000(0.0) | 0.012 | 127.9 | 2.7 | 11.10 | 27.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | constants.initconstants |
| 2 | 0.000(0.0) | 0.005 | 447.6 | 23.5 | 79.18 | 102.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.nobankconflictv |
| 1 | 0.000(0.0) | 0.010 | 67.5 | 2.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | surface.initsurface |
| 1 | 0.000(0.0) | 0.007 | 70.1 | 1.9 | 9.20 | 12.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.settimeout |
| 4 | 0.000(0.0) | 0.002 | 103.5 | 12.0 | 41.58 | 11.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.jull |
| 1 | 0.000(0.0) | 0.007 | 81.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.destroyassoclegfunc |
| 1 | 0.000(0.0) | 0.006 | 860.7 | 94.8 | 83.86 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.createlegpol |
| 1 | 0.000(0.0) | 0.005 | 129.6 | 0.0 | 37.02 | 56.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.initblkdat |
| 1 | 0.000(0.0) | 0.004 | 94.3 | 1.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initfiltdiss |
| 1 | 0.000(0.0) | 0.003 | 83.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.writegridhistorytopo |
| 1 | 0.000(0.0) | 0.002 | 144.4 | 30.0 | 59.18 | 29.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | planboundlayer.initgwdd |
| 1 | 0.000(0.0) | 0.001 | 63.9 | 3.6 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.julday |
| 1 | 0.000(0.0) | 0.001 | 78.5 | 8.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.caldat |
| 1 | 0.000(0.0) | 0.001 | 40.8 | 0.9 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initgetoz |
| 1 | 0.000(0.0) | 0.001 | 77.5 | 10.9 | 70.51 | 11.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradtim |
| 1 | 0.000(0.0) | 0.000 | 64.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initspmrad |
| 1 | 0.000(0.0) | 0.000 | 53.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.turnongridhistory |

7500053 574.581(100.0) 0.077 6600.9 2937.0 99.05 182.3 512.137 16.5884 12.0966 5.9693 total

| ELAPSE | COMM.TIME | COMM.TIME | IDLE TIME | IDLE TIME | AVER.LEN | COUNT | TOTAL LEN | PROG.UNIT |
|---------|-----------|-----------|-----------|-----------|----------|-------|-----------|--------------------------|
| [sec] | [sec] | / ELAPSE | [sec] | / ELAPSE | [byte] | | [byte] | |
| 256.777 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.crunch |
| 74.405 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cloudy |
| 67.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmt |
| 59.685 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.onepass |
| 41.859 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmd |
| 38.322 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gwdd |
| 37.350 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.physcs |
| 33.990 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl0 |
| 30.859 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.lrgscl |
| 27.379 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositspec |
| 23.701 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.shalv2 |
| 23.482 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.kuolcl |
| 20.489 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.mstad2 |
| 18.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.semiimpl |
| 18.101 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.grpcomp |
| 17.929 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.clear |
| 16.773 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.gwater2 |
| 16.358 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.getperg |
| 14.596 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.rqvirt |
| 14.548 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delgeo |
| 12.345 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.dryphysics |
| 12.090 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sflxes |
| 10.785 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldgen |
| 10.387 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.fourtospec |
| 10.364 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifv |
| 10.249 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stres2 |
| 10.119 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitfourtrans |

| | | | | | | | | |
|--------|-------|-------|-------|-------|-----|---|-----|------------------------------|
| 10.026 | 0.002 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.spectofour |
| 9.248 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwflux |
| 9.162 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield82d |
| 8.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlax |
| 7.578 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawgrid |
| 7.252 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep1 |
| 7.051 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.fysiks |
| 6.569 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.temres |
| 6.550 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createspectogrid |
| 6.450 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joingridtrans |
| 6.344 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifh |
| 6.198 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifv |
| 5.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlt1 |
| 5.667 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwrad |
| 5.462 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.cut |
| 5.413 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vertint |
| 5.399 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.interc |
| 5.189 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.wheat |
| 5.175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield81d |
| 5.098 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.radalb |
| 5.086 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss1 |
| 4.659 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.humidphysics |
| 4.101 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.hadvec |
| 4.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositgrid |
| 3.976 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.updia |
| 3.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvec |
| 3.826 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.spmrad |
| 3.825 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.addtend |
| 3.786 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.filtddiss |
| 3.738 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.setsw |
| 3.698 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep2 |
| 3.546 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dospectogrid |
| 3.461 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.getoz |
| 3.438 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.vertic |
| 3.382 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldslw |
| 3.353 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joinfourtrans |
| 3.335 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.seasfc |
| 2.877 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvtmp |
| 2.576 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gostrim2d |
| 2.567 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.runoff |
| 2.519 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitgridtrans |
| 2.483 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.swrad |
| 2.450 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.nlnmi |
| 2.126 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sextrp |
| 1.994 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stomat |
| 1.906 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.timestep |
| 1.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.coriol |
| 1.818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.uvtodz |
| 1.803 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.nlprgr |
| 1.710 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawspectral |
| 1.677 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initmstad2 |
| 1.673 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tndtold |
| 1.666 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.root |
| 1.660 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.temptend |
| 1.593 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.metric |
| 1.569 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.rbrd |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|--------------------------------|
| 1.465 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.invfffttrans |
| 1.444 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.radtim |
| 1.424 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.creategridtospec |
| 1.321 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.raduse |
| 1.315 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield81d |
| 1.264 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicnearest_r |
| 1.214 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dogridtospec |
| 1.156 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.isgridhistoryon |
| 1.095 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield82d |
| 1.068 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsst8 |
| 1.057 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsnw8 |
| 0.917 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dellam |
| 0.831 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delwind |
| 0.792 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.coszmed |
| 0.777 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.snowm |
| 0.671 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.dirtrans |
| 0.660 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.omega |
| 0.618 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.iminv |
| 0.581 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.pbl |
| 0.579 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.dztouv |
| 0.457 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.update |
| 0.340 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz2 |
| 0.337 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.impldifu |
| 0.327 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.copysurfacedata |
| 0.314 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dirffttrans |
| 0.306 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.getsbc |
| 0.291 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.pwater |
| 0.221 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.opnfct |
| 0.194 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.pbl_driver |
| 0.177 | 0.119 | 0.675 | 0.000 | 0.000 | 0.0 | 1 | 0.0 | model |
| 0.164 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.airmod |
| 0.163 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readslm8 |
| 0.144 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.backtrans |
| 0.139 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readnftgz4 |
| 0.136 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidbacktrans |
| 0.116 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.varymwithlat |
| 0.103 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.coldwarm |
| 0.102 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vegin |
| 0.093 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicavebox_r |
| 0.092 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.initinputoutput |
| 0.082 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initboundcond |
| 0.072 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readlandseamask2_8 |
| 0.059 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readvar8 |
| 0.042 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsdynamics.initfields |
| 0.042 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.threaddecomp |
| 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cycliclinear |
| 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sibwet |
| 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.initdiagnostics |
| 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.cyclicfreqbox_i |
| 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initfieldsphyscs |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.destroy |
| 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit2d |
| 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead8 |
| 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initvariancia |
| 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrimld |
| 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rmsgt |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|-----------------------------------|
| 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.linearibjbtobj_r2d |
| 0.011 | 0.011 | 0.980 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | communications.init_mpi |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.tmstamp2 |
| 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initnammodel |
| 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writedir8 |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit1d |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.diaten |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz1 |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wridia |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.globme |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.extrak |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategridvalues |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.gread4 |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nearestijtoibjb_r2d |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.reord |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpol |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.inittransform |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.bmcm |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createassoclegfunc |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.aveboxijtoibjb_r2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initresset |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflicts |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.getgau |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rsdiag |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.setdia |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidirtrans |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wrprog |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.scloutgr |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr2d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerothersizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.mpimappings |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initdztouv |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initplanboundlayer |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.inituvtodz |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg1d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.accpf |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.trigfactors |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.primes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerbasicsizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nearestibjbtobj_r2d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.cnvray |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initgozrim |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initgetsbc |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.nextsizefft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initsurftemp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.prec_diag |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.factorize |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initimpldifu |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initsemiimpl |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpolroots |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.willgetsbc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writeproghead8 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.linearijtoibjb_r2d |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistory |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------------|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createfft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.freqboxijtoibjb_i2d |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.dumpsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.initall |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initcheckfile |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.reset_epsilon_to_local |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setsst |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategaussquad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlineararmi.setmods |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.initreadwritespec |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistfields |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradiation |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.sfcgeotrans |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.initversizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.inittimestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.init_ct_cq |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initconvection |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.timestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | constants.initconstants |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflictv |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.initsurface |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.settimeoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.jull |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.destroyassoclegfunc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createlegpol |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initblkdat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initfiltldiss |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.writegridhistorytopo |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initgwdd |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.julday |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.caldat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initgetoz |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initrattim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initspmrad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.turnongridhistory |

FLOW TRACE ANALYSIS LIST

Na otimizacao realizada na parametrização de Mellor e Yamada, obteve um ganho de 2,4% no tempo de execução do modelo GLOBAL MPI Com truncamento T126L28, resolução de aproximadamente 100 km.

OBS: o ftrace original está anexado ao final do ftrace otimizado

Execution : Tue May 30 18:32:40 2006

Total CPU : 0:12'34"147

| FREQUENCY | EXCLUSIVE TIME[sec] (%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|---------------|------------------------------|---------------------|---------------|---------------|---------------|----------------|----------------|-----------------|-----------------|---------------|------------------------------|
| 12288 | 174.721(23.2) | 14.219 | 7948.3 | 3873.8 | 99.52 | 193.4 | 166.831 | 0.0658 | 0.0278 | 0.0000 | radiation.crunch |
| 8536 | 48.740(6.5) | 5.710 | 7601.2 | 3183.3 | 99.43 | 244.2 | 47.643 | 0.1038 | 0.0249 | 0.0288 | radiation.cloudy |
| 4800 | 37.478(5.0) | 7.808 | 10413.2 | 4819.0 | 99.85 | 255.2 | 37.465 | 0.0061 | 0.0039 | 0.0001 | transform.onepass |
| 152654 | 35.583(4.7) | 0.233 | 12107.2 | 7573.6 | 99.67 | 188.9 | 35.453 | 0.0019 | 0.0361 | 0.0000 | transform.mmt |
| 57792 | 32.715(4.3) | 0.566 | 5811.4 | 2165.3 | 97.72 | 192.0 | 32.409 | 0.1630 | 0.0225 | 0.0000 | griddynamics.delgeo |
| 115584 | 26.768(3.5) | 0.232 | 7228.4 | 2836.5 | 99.18 | 193.0 | 23.782 | 0.9819 | 0.4162 | 0.0000 | planboundlayer.ympbl0 |
| 152146 | 26.007(3.4) | 0.171 | 9530.8 | 6179.7 | 99.67 | 166.5 | 22.488 | 0.0019 | 2.8441 | 0.0000 | transform.mmd |
| 55104 | 21.681(2.9) | 0.393 | 6925.6 | 2646.4 | 99.27 | 176.7 | 19.755 | 0.5903 | 0.2740 | 0.0000 | planboundlayer.gwdd |
| 57792 | 20.806(2.8) | 0.360 | 3292.2 | 1146.3 | 97.75 | 191.7 | 11.096 | 3.8417 | 2.0937 | 0.0234 | physicsdriver.physcs |
| 57216 | 19.789(2.6) | 0.346 | 6048.5 | 1955.1 | 99.10 | 176.4 | 18.002 | 0.6334 | 0.2067 | 0.0103 | convection.kuolcl |
| 57216 | 18.753(2.5) | 0.328 | 6919.1 | 2594.0 | 99.24 | 192.9 | 17.967 | 0.2062 | 0.0369 | 0.0000 | convection.lrgscl |
| 57216 | 13.379(1.8) | 0.234 | 6106.3 | 1613.8 | 98.51 | 192.1 | 12.342 | 0.5547 | 0.0488 | 0.0000 | convection.shalv2 |
| 57216 | 13.169(1.7) | 0.230 | 6290.9 | 1363.1 | 99.61 | 192.0 | 12.528 | 0.2544 | 0.1141 | 0.0966 | convection.mstad2 |
| 8538 | 13.093(1.7) | 1.534 | 7612.3 | 3896.2 | 99.35 | 241.9 | 12.753 | 0.0610 | 0.0143 | 0.0000 | radiation.clear |
| 57792 | 10.914(1.4) | 0.189 | 5360.9 | 1518.4 | 98.95 | 203.4 | 8.178 | 0.9127 | 0.5625 | 0.0000 | griddynamics.grpcomp |
| 57792 | 10.481(1.4) | 0.181 | 2901.8 | 0.0 | 97.05 | 192.0 | 7.646 | 1.4587 | 0.4288 | 0.0000 | physicsdriver.dryphysics |
| 601 | 9.727(1.3) | 16.185 | 399.6 | 0.0 | 74.95 | 29.4 | 9.307 | 0.0030 | 0.1013 | 2.7264 | transform.depositspec |
| 57792 | 9.620(1.3) | 0.166 | 6085.2 | 2906.9 | 99.34 | 196.9 | 9.295 | 0.0932 | 0.0470 | 0.0000 | radiation.rqvirt |
| 57216 | 9.399(1.2) | 0.164 | 4680.5 | 1422.1 | 98.64 | 199.9 | 7.652 | 0.7808 | 0.2115 | 0.0000 | convection.gwater2 |
| 298 | 8.887(1.2) | 29.821 | 4595.9 | 2702.7 | 96.93 | 73.4 | 8.792 | 0.0019 | 0.0580 | 2.2700 | specdynamics.semiimpl |
| 601 | 7.888(1.0) | 13.126 | 3584.4 | 525.6 | 93.54 | 148.4 | 7.556 | 0.0083 | 0.1398 | 0.0043 | transform.spectofour |
| 599 | 6.882(0.9) | 11.490 | 2232.9 | 359.3 | 90.36 | 76.0 | 5.658 | 0.0068 | 0.0837 | 0.0041 | transform.fourtospec |
| 57792 | 6.879(0.9) | 0.119 | 6298.4 | 1909.8 | 98.90 | 192.0 | 6.429 | 0.1942 | 0.0740 | 0.0000 | planboundlayer.vdifv |
| 55047 | 6.574(0.9) | 0.119 | 2490.2 | 875.3 | 96.40 | 125.7 | 3.338 | 0.9637 | 0.4033 | 0.0064 | surface.sflxes |
| 601 | 6.364(0.8) | 10.589 | 9279.1 | 4790.8 | 99.78 | 255.1 | 6.362 | 0.0008 | 0.0003 | 0.0000 | transform.splitfourtrans |
| 601 | 5.715(0.8) | 9.509 | 3200.6 | 0.0 | 96.06 | 172.1 | 5.189 | 0.0037 | 0.3164 | 0.0000 | transform.withdrawgrid |
| 57792 | 5.629(0.7) | 0.097 | 5656.5 | 1596.7 | 98.76 | 192.0 | 5.240 | 0.1766 | 0.0356 | 0.0000 | planboundlayer.vdifh |
| 57792 | 5.430(0.7) | 0.094 | 6461.2 | 2207.1 | 98.93 | 192.0 | 5.042 | 0.1860 | 0.0342 | 0.0000 | planboundlayer.vdifv |
| 301 | 5.001(0.7) | 16.614 | 6143.8 | 2649.4 | 98.38 | 192.0 | 4.995 | 0.0021 | 0.0008 | 0.0000 | griddynamics.timefilterstep1 |
| 660690 | 4.995(0.7) | 0.008 | 3776.3 | 1460.1 | 98.33 | 114.8 | 4.043 | 0.1529 | 0.1808 | 0.0069 | surface.vntlax |
| 3072 | 4.669(0.6) | 1.520 | 6134.8 | 2467.8 | 98.91 | 192.3 | 4.424 | 0.0885 | 0.0209 | 0.0000 | radiation.lwrad |
| 9216 | 4.559(0.6) | 0.495 | 4063.4 | 1299.0 | 98.35 | 127.1 | 4.055 | 0.0479 | 0.0643 | 0.1286 | radiation.cldgen |
| 601 | 4.395(0.6) | 7.313 | 4023.1 | 0.0 | 99.26 | 255.1 | 4.395 | 0.0004 | 0.0002 | 0.0000 | transform.joingridtrans |
| 55224 | 4.342(0.6) | 0.079 | 2217.6 | 470.0 | 96.10 | 96.7 | 3.098 | 0.5138 | 0.1618 | 0.1554 | surface.radalb |
| 301 | 4.127(0.5) | 13.710 | 5455.0 | 2140.3 | 98.09 | 192.0 | 4.120 | 0.0016 | 0.0012 | 0.0000 | griddynamics.timefilterstep2 |
| 231168 | 4.068(0.5) | 0.018 | 7373.2 | 3054.7 | 99.43 | 192.0 | 3.924 | 0.0334 | 0.0110 | 0.0000 | griddynamics.hadvec |
| 3072 | 4.036(0.5) | 1.314 | 4525.6 | 1565.6 | 99.20 | 225.6 | 3.915 | 0.0360 | 0.0090 | 0.1561 | radiation.lwflux |
| 55047 | 3.778(0.5) | 0.069 | 1089.0 | 276.5 | 90.42 | 122.2 | 1.728 | 0.6629 | 0.4209 | 0.0333 | surface.fysiks |
| 173376 | 3.619(0.5) | 0.021 | 5373.0 | 1986.8 | 98.61 | 192.0 | 3.508 | 0.0225 | 0.0174 | 0.0000 | planboundlayer.gauss1 |
| 55047 | 3.545(0.5) | 0.064 | 4302.8 | 1807.2 | 98.99 | 124.9 | 3.049 | 0.2036 | 0.0681 | 0.0688 | surface.runoff |
| 440502 | 3.368(0.4) | 0.008 | 2812.8 | 984.7 | 95.97 | 103.5 | 2.340 | 0.2040 | 0.0960 | 0.0024 | surface.stres2 |
| 112574 | 3.368(0.4) | 0.030 | 4492.2 | 1803.1 | 98.81 | 109.7 | 2.927 | 0.0685 | 0.0525 | 0.0000 | surface.vntl1 |
| 57216 | 3.322(0.4) | 0.058 | 3042.4 | 0.0 | 97.39 | 192.0 | 2.548 | 0.3695 | 0.1060 | 0.0000 | physicsdriver.humidphysics |
| 9216 | 3.277(0.4) | 0.356 | 2905.6 | 998.4 | 99.53 | 182.9 | 3.131 | 0.0233 | 0.0739 | 0.1379 | radiation.getoz |
| 3072 | 3.136(0.4) | 1.021 | 6578.0 | 1281.0 | 98.91 | 219.5 | 3.121 | 0.0092 | 0.0004 | 0.0000 | radiation.cldslw |
| 110094 | 3.130(0.4) | 0.028 | 4808.0 | 1789.7 | 98.45 | 122.7 | 2.158 | 0.4886 | 0.0781 | 0.0015 | surface.temres |
| 57792 | 3.075(0.4) | 0.053 | 7243.0 | 2972.9 | 98.93 | 192.0 | 2.932 | 0.0839 | 0.0004 | 0.0000 | griddynamics.vertint |
| 56287 | 2.858(0.4) | 0.051 | 5420.1 | 2102.5 | 98.73 | 193.0 | 1.710 | 0.4052 | 0.2487 | 0.0000 | surface.seasfc |
| 55047 | 2.856(0.4) | 0.052 | 2935.0 | 1025.5 | 97.40 | 113.5 | 1.865 | 0.3894 | 0.1729 | 0.0028 | surface.interc |
| 599 | 2.778(0.4) | 4.638 | 10398.8 | 6012.4 | 99.80 | 255.5 | 2.777 | 0.0007 | 0.0003 | 0.0000 | transform.joinfourtrans |
| 1195963 | 2.676(0.4) | 0.002 | 5633.2 | 2445.6 | 99.08 | 125.5 | 2.202 | 0.0218 | 0.0083 | 0.0000 | surface.cut |
| 599 | 2.509(0.3) | 4.189 | 3102.2 | 0.0 | 96.15 | 172.7 | 2.214 | 0.0035 | 0.1240 | 0.0000 | transform.depositgrid |
| 301 | 2.484(0.3) | 8.254 | 6658.4 | 2765.5 | 98.19 | 192.0 | 2.482 | 0.0010 | 0.0008 | 0.0000 | griddynamics.addtend |

| | | | | | | | | | | | |
|---------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|-----------------------------|
| 173376 | 2.474(0.3) | 0.014 | 9104.1 | 4144.6 | 99.33 | 192.0 | 2.340 | 0.0555 | 0.0018 | 0.0000 | griddynamics.vadvec |
| 57792 | 2.419(0.3) | 0.042 | 7917.8 | 3724.8 | 98.95 | 192.0 | 2.177 | 0.1336 | 0.0189 | 0.0000 | griddynamics.vadvtmp |
| 601 | 2.366(0.3) | 3.937 | 7120.7 | 0.0 | 98.44 | 256.0 | 2.332 | 0.0047 | 0.0070 | 0.0000 | transform.createspectogrid |
| 601 | 2.350(0.3) | 3.910 | 4729.6 | 0.0 | 99.13 | 255.1 | 2.339 | 0.0038 | 0.0029 | 0.0000 | transform.dospectogrid |
| 53277 | 2.287(0.3) | 0.043 | 331.5 | 47.7 | 32.80 | 23.3 | 0.651 | 0.2271 | 0.2559 | 0.0000 | surface.wheat |
| 57792 | 2.168(0.3) | 0.038 | 8675.6 | 4228.2 | 99.21 | 192.0 | 1.995 | 0.1043 | 0.0088 | 0.0000 | griddynamics.tndtold |
| 57792 | 2.150(0.3) | 0.037 | 2092.2 | 402.3 | 94.92 | 192.4 | 0.845 | 0.4697 | 0.2657 | 0.0000 | radiation.spmrad |
| 1144896 | 2.108(0.3) | 0.002 | 1026.2 | 208.6 | 81.31 | 192.0 | 0.472 | 0.1250 | 0.5816 | 0.0000 | diagnostics.updia |
| 8538 | 2.097(0.3) | 0.246 | 4873.8 | 984.6 | 98.43 | 222.3 | 1.755 | 0.1429 | 0.0459 | 0.0003 | radiation.setsw |
| 599 | 1.873(0.2) | 3.127 | 4020.8 | 0.0 | 99.25 | 255.5 | 1.873 | 0.0003 | 0.0002 | 0.0000 | transform.splitgridtrans |
| 9600 | 1.840(0.2) | 0.192 | 3958.1 | 372.2 | 98.57 | 244.7 | 1.483 | 0.1333 | 0.0669 | 0.0007 | radiation.swrad |
| 287 | 1.704(0.2) | 5.936 | 2694.8 | 613.5 | 99.75 | 254.0 | 1.703 | 0.0004 | 0.0002 | 0.0888 | specdynamics.filtldiss |
| 53277 | 1.465(0.2) | 0.027 | 769.6 | 212.2 | 74.11 | 122.1 | 0.142 | 0.1018 | 0.1459 | 0.0000 | surface.sextrp |
| 599 | 1.425(0.2) | 2.378 | 7053.5 | 0.0 | 98.42 | 256.0 | 1.391 | 0.0053 | 0.0069 | 0.0000 | transform.creategridtospec |
| 18 | 1.357(0.2) | 75.383 | 4066.3 | 892.2 | 98.01 | 143.3 | 1.295 | 0.0000 | 0.0000 | 0.0412 | nonlinearnmi.vertic |
| 55047 | 1.110(0.1) | 0.020 | 2816.6 | 1152.8 | 97.06 | 86.3 | 0.720 | 0.1326 | 0.0660 | 0.0000 | surface.stomat |
| 57792 | 1.087(0.1) | 0.019 | 6053.7 | 2285.7 | 99.11 | 192.0 | 1.026 | 0.0336 | 0.0087 | 0.0000 | griddynamics.delwind |
| 57792 | 1.069(0.1) | 0.018 | 6149.6 | 2325.5 | 99.27 | 192.0 | 1.017 | 0.0254 | 0.0001 | 0.0000 | griddynamics.coriol |
| 301 | 1.054(0.1) | 3.503 | 736.0 | 7.5 | 90.12 | 203.4 | 0.376 | 0.3117 | 0.2892 | 0.0042 | modtimestep.timestep |
| 57792 | 1.001(0.1) | 0.017 | 7494.6 | 3104.1 | 99.40 | 192.0 | 0.943 | 0.0224 | 0.0169 | 0.0000 | griddynamics.nlprgr |
| 55047 | 0.947(0.1) | 0.017 | 2269.3 | 486.3 | 95.93 | 123.6 | 0.502 | 0.1726 | 0.0799 | 0.0000 | surface.snowm |
| 303 | 0.916(0.1) | 3.024 | 5687.6 | 1814.9 | 95.48 | 192.0 | 0.878 | 0.0004 | 0.0002 | 0.0000 | transform.dellam |
| 57792 | 0.854(0.1) | 0.015 | 9725.8 | 5066.9 | 99.39 | 192.0 | 0.749 | 0.0681 | 0.0017 | 0.0000 | griddynamics.omega |
| 55047 | 0.817(0.1) | 0.015 | 3826.9 | 1662.5 | 98.46 | 126.3 | 0.591 | 0.1041 | 0.0616 | 0.0041 | surface.root |
| 57792 | 0.798(0.1) | 0.014 | 11727.6 | 6230.4 | 99.61 | 192.0 | 0.724 | 0.0336 | 0.0187 | 0.0000 | griddynamics.tmptend |
| 301 | 0.794(0.1) | 2.638 | 5875.9 | 1779.0 | 98.94 | 198.0 | 0.790 | 0.0019 | 0.0010 | 0.0002 | modtimestep.dirtrans |
| 301 | 0.776(0.1) | 2.580 | 8135.5 | 2117.3 | 99.76 | 254.0 | 0.776 | 0.0003 | 0.0003 | 0.0000 | specdynamics.uvtodz |
| 57792 | 0.759(0.1) | 0.013 | 5254.3 | 2568.2 | 98.56 | 195.3 | 0.598 | 0.0103 | 0.0099 | 0.0000 | radiation.coszmed |
| 57792 | 0.725(0.1) | 0.013 | 7976.9 | 4288.2 | 99.45 | 192.0 | 0.665 | 0.0329 | 0.0001 | 0.0000 | griddynamics.metric |
| 110094 | 0.671(0.1) | 0.006 | 3257.7 | 961.2 | 97.92 | 126.1 | 0.496 | 0.0470 | 0.0246 | 0.0013 | surface.rbrd |
| 599 | 0.668(0.1) | 1.116 | 4981.6 | 0.0 | 99.60 | 252.6 | 0.665 | 0.0011 | 0.0011 | 0.1831 | transform.withdrawspectral |
| 1 | 0.637(0.1) | 637.040 | 252.3 | 161.4 | 3.00 | 182.3 | 0.001 | 0.0000 | 0.0000 | 0.0000 | convection.initmstad2 |
| 891 | 0.617(0.1) | 0.693 | 3745.5 | 374.6 | 97.47 | 141.8 | 0.586 | 0.0000 | 0.0042 | 0.0144 | utils.iminv |
| 55047 | 0.589(0.1) | 0.011 | 76.4 | 0.0 | 0.00 | 0.0 | 0.000 | 0.2749 | 0.1366 | 0.0000 | surface.pbl |
| 301 | 0.578(0.1) | 1.919 | 10371.7 | 2408.7 | 99.86 | 254.0 | 0.577 | 0.0003 | 0.0001 | 0.0000 | specdynamics.dztouv |
| 55047 | 0.562(0.1) | 0.010 | 2197.0 | 750.5 | 95.64 | 122.1 | 0.276 | 0.1367 | 0.0172 | 0.0000 | surface.update |
| 602 | 0.496(0.1) | 0.824 | 7317.6 | 2244.1 | 99.67 | 254.0 | 0.495 | 0.0002 | 0.0001 | 0.0000 | specdynamics.gozrim2d |
| 134016 | 0.431(0.1) | 0.003 | 166.2 | 46.4 | 0.00 | 0.0 | 0.000 | 0.1658 | 0.0571 | 0.0000 | radiation.radtim |
| 57792 | 0.396(0.1) | 0.007 | 469.9 | 0.0 | 74.29 | 13.0 | 0.236 | 0.0660 | 0.0684 | 0.0000 | surface.copysurfacedata |
| 57792 | 0.356(0.0) | 0.006 | 5917.2 | 3614.4 | 99.00 | 192.0 | 0.251 | 0.0397 | 0.0213 | 0.0000 | diagnostics.pwater |
| 2277 | 0.340(0.0) | 0.150 | 3140.7 | 991.2 | 97.01 | 180.2 | 0.238 | 0.0000 | 0.0041 | 0.0097 | nonlinearnmi.horiz2 |
| 298 | 0.337(0.0) | 1.130 | 10542.5 | 4747.4 | 99.75 | 254.0 | 0.334 | 0.0008 | 0.0012 | 0.0000 | specdynamics.impldifu |
| 55047 | 0.336(0.0) | 0.006 | 2603.5 | 845.9 | 96.60 | 122.1 | 0.218 | 0.0633 | 0.0085 | 0.0000 | surface.raduse |
| 55047 | 0.208(0.0) | 0.004 | 2493.7 | 700.1 | 97.52 | 122.1 | 0.097 | 0.0441 | 0.0441 | 0.0009 | surface.airmod |
| 115584 | 0.174(0.0) | 0.002 | 52.5 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0458 | 0.0595 | 0.0000 | planboundlayer.pbl_driver |
| 301 | 0.172(0.0) | 0.571 | 7581.4 | 4004.0 | 99.38 | 193.1 | 0.161 | 0.0026 | 0.0017 | 0.0001 | modtimestep.backtrans |
| 298 | 0.165(0.0) | 0.554 | 7808.3 | 4125.3 | 99.41 | 193.1 | 0.159 | 0.0011 | 0.0008 | 0.0000 | modtimestep.humidbacktrans |
| 230881 | 0.090(0.0) | 0.000 | 46.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0191 | 0.0000 | gridhistory.isgridhistoryon |
| 9 | 0.068(0.0) | 7.530 | 768.0 | 139.7 | 67.39 | 215.2 | 0.004 | 0.0015 | 0.0214 | 0.0064 | inputoutput.getsbc |
| 1 | 0.058(0.0) | 57.833 | 5286.1 | 2815.8 | 99.16 | 254.0 | 0.035 | 0.0129 | 0.0052 | 0.0000 | nonlinearnmi.nlnmi |
| 1 | 0.043(0.0) | 43.002 | 2359.2 | 358.9 | 93.82 | 202.3 | 0.026 | 0.0006 | 0.0012 | 0.0000 | surface.sibwet |
| 1200 | 0.024(0.0) | 0.020 | 118.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0037 | 0.0018 | 0.0000 | transform.destroy |
| 56 | 0.024(0.0) | 0.430 | 2178.6 | 0.0 | 97.49 | 254.6 | 0.010 | 0.0083 | 0.0041 | 0.0000 | iolowlevel.writefield82d |
| 1 | 0.022(0.0) | 22.369 | 7020.9 | 0.0 | 98.44 | 256.0 | 0.022 | 0.0001 | 0.0004 | 0.0000 | fieldsdynamics.initfields |
| 4804 | 0.022(0.0) | 0.004 | 156.4 | 0.0 | 12.36 | 19.3 | 0.002 | 0.0042 | 0.0040 | 0.0000 | transform.deposit2d |
| 759 | 0.015(0.0) | 0.020 | 96.1 | 0.3 | 28.78 | 93.1 | 0.000 | 0.0071 | 0.0034 | 0.0000 | nonlinearnmi.getperg |

| | | | | | | | | | | | |
|------|-------------|--------|---------|--------|-------|-------|-------|--------|--------|--------|-----------------------------------|
| 303 | 0.014(0.0) | 0.046 | 4658.1 | 1424.2 | 99.36 | 254.0 | 0.014 | 0.0001 | 0.0001 | 0.0000 | specdynamics.gozrimld |
| 72 | 0.013(0.0) | 0.184 | 3687.9 | 0.0 | 97.95 | 192.0 | 0.012 | 0.0000 | 0.0001 | 0.0000 | utils.ibjbtobj_r |
| 1 | 0.011(0.0) | 10.528 | 3832.3 | 0.8 | 97.49 | 253.9 | 0.006 | 0.0016 | 0.0015 | 0.0001 | model |
| 9503 | 0.009(0.0) | 0.001 | 76.0 | 5.2 | 0.00 | 0.0 | 0.000 | 0.0036 | 0.0029 | 0.0000 | utils.tmstamp2 |
| 599 | 0.009(0.0) | 0.015 | 59.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0034 | 0.0025 | 0.0000 | transform.dogridtospec |
| 1 | 0.007(0.0) | 6.838 | 291.3 | 0.4 | 3.49 | 65.3 | 0.000 | 0.0005 | 0.0007 | 0.0000 | inputoutput.initinputoutput |
| 46 | 0.007(0.0) | 0.144 | 4181.7 | 0.0 | 97.70 | 192.0 | 0.007 | 0.0000 | 0.0000 | 0.0000 | utils.ijtoibjb_r |
| 1 | 0.007(0.0) | 6.543 | 5964.2 | 0.3 | 98.25 | 255.8 | 0.005 | 0.0002 | 0.0007 | 0.0000 | fieldsphysics.initfieldsphyscs |
| 599 | 0.007(0.0) | 0.011 | 69.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0020 | 0.0021 | 0.0000 | transform.dirffttrans |
| 1205 | 0.006(0.0) | 0.005 | 119.8 | 0.0 | 9.59 | 13.3 | 0.001 | 0.0019 | 0.0009 | 0.0000 | transform.depositld |
| 22 | 0.006(0.0) | 0.273 | 4690.8 | 1448.0 | 98.36 | 219.9 | 0.004 | 0.0009 | 0.0003 | 0.0000 | diagnostics.globme |
| 601 | 0.006(0.0) | 0.010 | 76.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0021 | 0.0018 | 0.0000 | transform.invffttrans |
| 3 | 0.006(0.0) | 1.948 | 604.0 | 0.0 | 78.76 | 32.1 | 0.003 | 0.0000 | 0.0005 | 0.0003 | nonlinearnmi.horiz1 |
| 1 | 0.006(0.0) | 5.698 | 160.2 | 1.3 | 3.56 | 13.6 | 0.000 | 0.0014 | 0.0004 | 0.0000 | diagnostics.initdiagnostics |
| 3 | 0.006(0.0) | 1.882 | 240.5 | 16.0 | 24.12 | 40.5 | 0.000 | 0.0007 | 0.0002 | 0.0000 | diagnostics.rmsgt |
| 116 | 0.005(0.0) | 0.043 | 1182.6 | 0.1 | 96.21 | 254.0 | 0.001 | 0.0024 | 0.0012 | 0.0000 | iolowlevel.readfield81d |
| 2600 | 0.005(0.0) | 0.002 | 236.8 | 86.8 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0004 | 0.0000 | surface.extrak |
| 24 | 0.005(0.0) | 0.199 | 4569.5 | 0.0 | 98.14 | 184.7 | 0.005 | 0.0000 | 0.0000 | 0.0000 | diagnostics.reord |
| 4 | 0.005(0.0) | 1.126 | 1256.8 | 0.1 | 96.48 | 254.0 | 0.001 | 0.0022 | 0.0011 | 0.0000 | iolowlevel.readfield82d |
| 44 | 0.004(0.0) | 0.096 | 3354.2 | 0.0 | 98.07 | 255.9 | 0.003 | 0.0009 | 0.0005 | 0.0000 | iolowlevel.writefield81d |
| 9319 | 0.004(0.0) | 0.000 | 50.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0013 | 0.0000 | sizes.threaddecomp |
| 54 | 0.004(0.0) | 0.074 | 3133.6 | 0.1 | 95.68 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readsst8 |
| 54 | 0.004(0.0) | 0.073 | 2150.4 | 0.1 | 93.53 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readslm8 |
| 1 | 0.004(0.0) | 3.765 | 4512.5 | 1626.3 | 99.10 | 192.7 | 0.003 | 0.0000 | 0.0001 | 0.0001 | utils.creategridvalues |
| 47 | 0.004(0.0) | 0.077 | 2211.3 | 1043.0 | 95.61 | 99.8 | 0.003 | 0.0000 | 0.0000 | 0.0000 | utils.legpol |
| 4 | 0.004(0.0) | 0.896 | 184.2 | 1.4 | 0.27 | 4.6 | 0.000 | 0.0005 | 0.0001 | 0.0000 | iolowlevel.writedir8 |
| 1 | 0.003(0.0) | 3.100 | 2923.9 | 0.1 | 93.02 | 250.7 | 0.001 | 0.0002 | 0.0003 | 0.0000 | communications.init_mpi |
| 7 | 0.003(0.0) | 0.416 | 1705.8 | 596.5 | 82.89 | 27.9 | 0.002 | 0.0000 | 0.0001 | 0.0000 | specdynamics.bmcm |
| 1204 | 0.003(0.0) | 0.002 | 144.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0003 | 0.0000 | transform.depdlg2d |
| 6 | 0.002(0.0) | 0.416 | 7207.8 | 0.0 | 98.46 | 256.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.rsdiag |
| 1 | 0.002(0.0) | 2.369 | 2268.8 | 355.4 | 91.08 | 86.5 | 0.002 | 0.0000 | 0.0001 | 0.0000 | transform.initttransform |
| 1 | 0.002(0.0) | 2.294 | 175.5 | 3.9 | 3.71 | 34.7 | 0.000 | 0.0004 | 0.0002 | 0.0000 | surface.vegin |
| 40 | 0.002(0.0) | 0.051 | 3348.8 | 0.0 | 85.73 | 192.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.getgau |
| 1 | 0.002(0.0) | 2.005 | 3300.1 | 1628.0 | 96.75 | 95.3 | 0.002 | 0.0000 | 0.0000 | 0.0000 | utils.createassoclegfunc |
| 3604 | 0.002(0.0) | 0.001 | 74.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | utils.nobankconflicts |
| 12 | 0.002(0.0) | 0.142 | 13310.0 | 6493.7 | 99.47 | 249.8 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr2d |
| 40 | 0.002(0.0) | 0.042 | 5284.0 | 1737.9 | 98.67 | 256.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | inputoutput.scloutgr |
| 4 | 0.002(0.0) | 0.424 | 2950.4 | 0.0 | 94.38 | 191.6 | 0.001 | 0.0002 | 0.0001 | 0.0000 | diagnostics.wrprog |
| 1 | 0.002(0.0) | 1.651 | 147.7 | 0.1 | 2.01 | 45.4 | 0.000 | 0.0004 | 0.0002 | 0.0001 | options.coldwarm |
| 4 | 0.001(0.0) | 0.375 | 90.4 | 0.1 | 2.60 | 53.4 | 0.000 | 0.0006 | 0.0004 | 0.0000 | diagnostics.opnfct |
| 1 | 0.001(0.0) | 1.468 | 3842.5 | 117.7 | 97.01 | 199.2 | 0.001 | 0.0001 | 0.0001 | 0.0000 | fieldsphysics.initboundcond |
| 298 | 0.001(0.0) | 0.005 | 45.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0004 | 0.0000 | modtimestep.humidirtrans |
| 2 | 0.001(0.0) | 0.650 | 4643.9 | 0.2 | 97.66 | 254.5 | 0.001 | 0.0001 | 0.0001 | 0.0000 | diagnostics.wridia |
| 1 | 0.001(0.0) | 1.167 | 205.2 | 7.5 | 6.79 | 21.7 | 0.000 | 0.0002 | 0.0000 | 0.0000 | planboundlayer.initplanboundlayer |
| 1 | 0.001(0.0) | 1.154 | 234.4 | 0.7 | 0.11 | 71.5 | 0.000 | 0.0001 | 0.0001 | 0.0000 | options.initnammodel |
| 1 | 0.001(0.0) | 1.023 | 1962.5 | 0.1 | 93.98 | 212.2 | 0.000 | 0.0000 | 0.0003 | 0.0000 | sizes.registerothersizes |
| 2 | 0.001(0.0) | 0.511 | 126.7 | 1.8 | 0.65 | 19.3 | 0.000 | 0.0003 | 0.0002 | 0.0000 | inputoutput.gread4 |
| 6 | 0.001(0.0) | 0.166 | 5173.8 | 1592.9 | 99.50 | 250.7 | 0.001 | 0.0000 | 0.0000 | 0.0002 | nonlinearnmi.primes |
| 1 | 0.001(0.0) | 0.958 | 6265.6 | 0.1 | 98.24 | 255.8 | 0.001 | 0.0000 | 0.0000 | 0.0000 | diagnostics.setdia |
| 288 | 0.001(0.0) | 0.003 | 67.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | diagnostics.accpf |
| 62 | 0.001(0.0) | 0.014 | 8590.4 | 3654.1 | 99.25 | 256.0 | 0.001 | 0.0000 | 0.0001 | 0.0000 | inputoutput.cnvray |
| 303 | 0.001(0.0) | 0.003 | 101.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | transform.depdlgld |
| 2 | 0.001(0.0) | 0.349 | 4592.7 | 428.3 | 97.86 | 198.6 | 0.001 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initsurftemp |
| 1 | 0.001(0.0) | 0.648 | 277.3 | 0.6 | 18.75 | 238.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initresst |
| 287 | 0.001(0.0) | 0.002 | 58.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | fieldsphysics.initgetsbc |
| 1 | 0.001(0.0) | 0.633 | 2177.5 | 64.1 | 95.89 | 75.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittztouv |

| | | | | | | | | | | | |
|-----|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|----------------------------------|
| 1 | 0.001(0.0) | 0.503 | 1965.6 | 32.1 | 95.24 | 76.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inituvtodz |
| 2 | 0.000(0.0) | 0.240 | 2517.5 | 0.0 | 97.47 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readnftgz4 |
| 1 | 0.000(0.0) | 0.432 | 1803.7 | 37.3 | 95.27 | 60.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initgozrim |
| 288 | 0.000(0.0) | 0.001 | 94.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0002 | 0.0000 | diagnostics.prec_diag |
| 1 | 0.000(0.0) | 0.393 | 3925.3 | 1158.9 | 98.16 | 255.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | nonlinearnmi.diaten |
| 98 | 0.000(0.0) | 0.003 | 150.5 | 9.8 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.nextsizefft |
| 1 | 0.000(0.0) | 0.265 | 3108.7 | 0.2 | 94.34 | 127.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.mpimappings |
| 287 | 0.000(0.0) | 0.001 | 56.6 | 8.9 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | inputoutput.willgetsbc |
| 1 | 0.000(0.0) | 0.243 | 2010.2 | 67.7 | 95.22 | 151.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initimpldifu |
| 1 | 0.000(0.0) | 0.216 | 132.6 | 0.2 | 1.37 | 19.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | sizes.dumpsizes |
| 1 | 0.000(0.0) | 0.209 | 140.2 | 0.2 | 5.12 | 44.1 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.setsst |
| 1 | 0.000(0.0) | 0.202 | 1132.9 | 153.7 | 88.68 | 99.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.legpolroots |
| 1 | 0.000(0.0) | 0.196 | 6886.4 | 0.0 | 98.40 | 256.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initcheckfile |
| 1 | 0.000(0.0) | 0.191 | 1227.3 | 0.1 | 94.33 | 254.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.readlandseamask2_8 |
| 1 | 0.000(0.0) | 0.165 | 3517.4 | 0.1 | 95.67 | 167.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerbasicsizes |
| 1 | 0.000(0.0) | 0.159 | 4010.6 | 0.2 | 97.21 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistory |
| 1 | 0.000(0.0) | 0.148 | 3305.7 | 891.9 | 99.49 | 250.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.reset_epsilon_to_local |
| 1 | 0.000(0.0) | 0.145 | 4153.6 | 0.0 | 97.70 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.ijtoibjb_i |
| 1 | 0.000(0.0) | 0.124 | 2380.9 | 362.8 | 95.46 | 79.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initsemiimpl |
| 1 | 0.000(0.0) | 0.120 | 94.6 | 0.0 | 2.74 | 51.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initvariancia |
| 1 | 0.000(0.0) | 0.110 | 129.5 | 1.9 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | nonlinearnmi.setmods |
| 4 | 0.000(0.0) | 0.026 | 53.1 | 0.0 | 1.16 | 4.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.writeproghead8 |
| 1 | 0.000(0.0) | 0.099 | 126.5 | 0.3 | 6.84 | 94.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.initall |
| 1 | 0.000(0.0) | 0.096 | 2363.2 | 0.1 | 97.79 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readvar8 |
| 2 | 0.000(0.0) | 0.042 | 96.3 | 0.5 | 8.20 | 14.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead4 |
| 1 | 0.000(0.0) | 0.075 | 240.0 | 0.3 | 19.28 | 13.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.initreadwritspec |
| 1 | 0.000(0.0) | 0.075 | 3073.0 | 0.1 | 95.65 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readsnw8 |
| 1 | 0.000(0.0) | 0.069 | 1131.9 | 428.2 | 89.92 | 143.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setoutput |
| 1 | 0.000(0.0) | 0.066 | 240.6 | 0.0 | 21.83 | 10.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistfields |
| 1 | 0.000(0.0) | 0.066 | 266.6 | 0.1 | 63.09 | 30.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradiation |
| 1 | 0.000(0.0) | 0.052 | 313.3 | 81.0 | 69.41 | 101.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.creategaussquad |
| 2 | 0.000(0.0) | 0.025 | 5238.6 | 1944.7 | 98.99 | 254.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | modtimestep.sfcgeotrans |
| 1 | 0.000(0.0) | 0.042 | 64.8 | 0.3 | 10.11 | 17.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead8 |
| 1 | 0.000(0.0) | 0.039 | 498.0 | 164.7 | 78.31 | 33.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.initversizes |
| 1 | 0.000(0.0) | 0.027 | 83.4 | 0.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.inittimestamp |
| 1 | 0.000(0.0) | 0.025 | 199.2 | 20.3 | 57.51 | 42.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | convection.initconvection |
| 1 | 0.000(0.0) | 0.024 | 1522.0 | 174.4 | 95.86 | 52.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.init_ct_cq |
| 3 | 0.000(0.0) | 0.007 | 7228.7 | 4684.7 | 99.09 | 246.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr |
| 1 | 0.000(0.0) | 0.017 | 1545.2 | 631.1 | 95.80 | 147.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.trigfactors |
| 1 | 0.000(0.0) | 0.016 | 99.2 | 2.0 | 10.33 | 27.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | constants.initconstants |
| 1 | 0.000(0.0) | 0.015 | 152.4 | 0.5 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.timestamp |
| 2 | 0.000(0.0) | 0.005 | 459.8 | 24.1 | 79.18 | 102.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.nobankconflictv |
| 1 | 0.000(0.0) | 0.010 | 177.9 | 1.4 | 44.95 | 55.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.factorize |
| 1 | 0.000(0.0) | 0.010 | 69.8 | 2.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | surface.initsurface |
| 4 | 0.000(0.0) | 0.002 | 102.7 | 11.9 | 41.58 | 11.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.jull |
| 1 | 0.000(0.0) | 0.007 | 748.0 | 82.4 | 83.86 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.createlegpol |
| 1 | 0.000(0.0) | 0.007 | 81.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.destroyassoclegfunc |
| 1 | 0.000(0.0) | 0.007 | 80.3 | 2.2 | 9.20 | 12.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.settimeoutput |
| 1 | 0.000(0.0) | 0.006 | 79.6 | 0.0 | 16.67 | 10.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.createfft |
| 1 | 0.000(0.0) | 0.005 | 124.8 | 0.0 | 37.02 | 56.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.initblkdat |
| 1 | 0.000(0.0) | 0.005 | 84.0 | 1.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initfiltdiss |
| 1 | 0.000(0.0) | 0.003 | 79.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.writegridhistorytopo |
| 1 | 0.000(0.0) | 0.002 | 152.3 | 31.6 | 59.18 | 29.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | planboundlayer.initgwdd |
| 1 | 0.000(0.0) | 0.001 | 66.8 | 7.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.caldat |
| 1 | 0.000(0.0) | 0.001 | 41.0 | 1.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initgetoz |
| 1 | 0.000(0.0) | 0.001 | 75.7 | 10.7 | 70.51 | 11.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradtim |

| | | | | | | | | | | | |
|---|-------------|-------|------|-----|------|-----|-------|--------|--------|--------|-------------------------------|
| 1 | 0.000(0.0) | 0.001 | 81.6 | 4.7 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.julday |
| 1 | 0.000(0.0) | 0.000 | 64.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initspmrad |
| 1 | 0.000(0.0) | 0.000 | 53.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.turnongridhistory |

| | | | | | | | | | | | |
|---------|----------------|-------|--------|--------|-------|-------|---------|---------|---------|--------|-------|
| 7823624 | 754.148(100.0) | 0.096 | 6766.0 | 2963.5 | 99.10 | 191.2 | 681.992 | 19.5096 | 13.0784 | 6.2205 | total |
|---------|----------------|-------|--------|--------|-------|-------|---------|---------|---------|--------|-------|

| ELAPSE [sec] | COMM.TIME [sec] | COMM.TIME / ELAPSE | IDLE TIME [sec] | IDLE TIME / ELAPSE | AVER.LEN [byte] | COUNT | TOTAL LEN [byte] | PROG.UNIT |
|-----------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-------|---------------------|------------------------------|
| 175.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.crunch |
| 48.827 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cloudy |
| 37.554 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.onepass |
| 35.674 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmt |
| 32.782 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delgeo |
| 26.919 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl0 |
| 26.090 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmd |
| 21.731 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gwdd |
| 21.204 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.physcs |
| 19.850 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.kuolcl |
| 18.802 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.lrgscl |
| 13.418 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.shalv2 |
| 13.204 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.mstad2 |
| 13.115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.clear |
| 11.227 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.grpcomp |
| 10.522 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.dryphysics |
| 9.744 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositspec |
| 9.650 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.rqvirt |
| 9.532 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.gwater2 |
| 8.901 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.semiimpl |
| 7.937 | 0.002 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.spectofour |
| 7.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sflxes |
| 6.928 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.fourtospec |
| 6.905 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifv |
| 6.374 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitfourtrans |
| 5.726 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawgrid |
| 5.653 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifh |
| 5.451 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.vdifv |
| 5.152 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlax |
| 5.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep1 |
| 4.701 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.getperg |
| 4.680 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwrad |
| 4.570 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldgen |
| 4.404 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joingridtrans |
| 4.360 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.radalb |
| 4.133 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep2 |
| 4.129 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.hadvec |
| 4.049 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwflux |
| 3.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.fysiks |
| 3.686 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield82d |
| 3.663 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss1 |
| 3.564 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.runoff |
| 3.468 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stres2 |
| 3.397 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlt1 |
| 3.353 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.humidphysics |
| 3.286 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.getoz |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------|
| 3.159 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.temres |
| 3.142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldslw |
| 3.096 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vertint |
| 2.942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.cut |
| 2.900 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.seasfc |
| 2.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.interc |
| 2.784 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joinfourtrans |
| 2.518 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvec |
| 2.512 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositgrid |
| 2.489 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.addtend |
| 2.438 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvtmp |
| 2.392 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createspectogrid |
| 2.362 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.updia |
| 2.356 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dospectogrid |
| 2.302 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.wheat |
| 2.185 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tndtold |
| 2.183 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.spmrad |
| 2.106 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.setsw |
| 1.877 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitgridtrans |
| 1.848 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.swrad |
| 1.708 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.filttdiss |
| 1.478 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sextrp |
| 1.427 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.creategridtospec |
| 1.357 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.vertic |
| 1.196 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.nlnmi |
| 1.190 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield81d |
| 1.124 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stomat |
| 1.109 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield81d |
| 1.102 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delwind |
| 1.096 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.timestep |
| 1.085 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.coriol |
| 1.045 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield82d |
| 1.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.nlprgr |
| 0.960 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.snowm |
| 0.918 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dellam |
| 0.870 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.omega |
| 0.830 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.root |
| 0.813 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tmptend |
| 0.796 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.dirtrans |
| 0.786 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.coszmed |
| 0.778 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.uvtodz |
| 0.738 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.metric |
| 0.714 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readslm8 |
| 0.697 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.rbrd |
| 0.670 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawspectral |
| 0.662 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.pbl |
| 0.637 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initmstad2 |
| 0.630 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsst8 |
| 0.618 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.iminv |
| 0.579 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.dztouv |
| 0.575 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.update |
| 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim2d |
| 0.461 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.radtim |
| 0.409 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.copysurfacedata |
| 0.369 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.pwater |
| 0.348 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.raduse |

| | | | | | | | | |
|-------|-------|-------|-------|-------|------|----|--------|--------------------------------|
| 0.341 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz2 |
| 0.337 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.impldifu |
| 0.324 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.getsbc |
| 0.225 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.pbl_driver |
| 0.224 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.opnfct |
| 0.220 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.airmod |
| 0.173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.backtrans |
| 0.166 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidbacktrans |
| 0.141 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.isgridhistoryon |
| 0.114 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readnftgz4 |
| 0.109 | 0.073 | 0.670 | 0.000 | 0.000 | 0.0 | 1 | 0.0 | model |
| 0.099 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vegin |
| 0.066 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.initinputoutput |
| 0.058 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.coldwarm |
| 0.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsdynamics.initfields |
| 0.047 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initboundcond |
| 0.044 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sibwet |
| 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readlandseamask2_8 |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.destroy |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initfieldsphyscs |
| 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsnw8 |
| 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.initdiagnostics |
| 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit2d |
| 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readvar8 |
| 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.invftrtrans |
| 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrimld |
| 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ibjbtoij_r |
| 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.tmstamp2 |
| 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writedir8 |
| 0.011 | 0.010 | 0.980 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | communications.init_mpi |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dogridtospec |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initvariencia |
| 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rmsgt |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dirffttrans |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_r |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit1d |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz1 |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.threaddecomp |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initnammodel |
| 0.006 | 0.000 | 0.051 | 0.000 | 0.000 | 3.0K | 44 | 132.0K | diagnostics.globme |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.diaten |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategridvalues |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.extrak |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.reord |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpol |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.inittransform |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.bmcm |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead8 |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createassoclegfunc |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setsst |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflicts |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initresset |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.setdia |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rsdiag |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.gread4 |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|-----------------------------------|
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.getgau |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidirtrans |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wrprog |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.scloutgr |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr2d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerothersizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wridia |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initplanboundlayer |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initdztouv |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.accpf |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.primes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.mpimappings |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initvutodz |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlgld |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.cnvray |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initgetsbc |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerbasicsizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initsurftemp |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initgozrim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.prec_diag |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initimpldifu |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initsemiimpl |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.willgetsbc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpolroots |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.nextsizefft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writeproghead8 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistory |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.dumpsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initcheckfile |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.reset_epsilon_to_local |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_i |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.initall |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategaussquad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | constants.initconstants |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.setmods |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.trigfactors |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.initreadwritespec |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistfields |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradiation |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.sfcgeotrans |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.initversizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.inittimestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initconvection |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.init_ct_cq |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.timestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflictv |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.factorize |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.initsurface |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.jull |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.settimeoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createlegpol |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.destroyassoclegfunc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createfft |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------------|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initblkdat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initfiltdiss |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.writegridhistorytopo |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initgwdd |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.caldat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initgetoz |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradtim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.julday |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initspmrad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.turnongridhistory |

FLOW TRACE ANALYSIS LIST

Na otimizacao realizada na subrotina gwdd do modulo Planboundlayer.f90, obteve um ganho de 1,9% no tempo de execucao do modelo GLOBAL MPI
Com truncamento T126L28, resolucao de aproximadamente 100 km.

OBS: o ftrace original esta anexado ao final do ftrace otimizado

Execution : Mon May 29 18:22:44 2006

Total CPU : 0:12'51"906

| FREQUENCY | EXCLUSIVE TIME[sec](%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|--------------|-----------------------------|---------------------|---------------|---------------|---------------|----------------|----------------|-----------------|-----------------|---------------|------------------------------|
| 12288 | 174.723(22.6) | 14.219 | 7948.2 | 3873.8 | 99.52 | 193.4 | 166.833 | 0.0663 | 0.0297 | 0.0000 | radiation.crunch |
| 57792 | 54.533(7.1) | 0.944 | 4864.6 | 1787.0 | 98.89 | 175.2 | 47.265 | 0.5845 | 3.4128 | 4.0066 | planboundlayer.ympbl0 |
| 8536 | 48.725(6.3) | 5.708 | 7603.5 | 3184.3 | 99.43 | 244.2 | 47.629 | 0.1050 | 0.0224 | 0.0288 | radiation.cloudy |
| 4800 | 37.430(4.8) | 7.798 | 10426.5 | 4825.2 | 99.85 | 255.2 | 37.418 | 0.0057 | 0.0034 | 0.0001 | transform.onepass |
| 152654 | 35.583(4.6) | 0.233 | 12107.1 | 7573.6 | 99.67 | 188.9 | 35.451 | 0.0016 | 0.0382 | 0.0000 | transform.mmt |
| 57792 | 32.597(4.2) | 0.564 | 5832.3 | 2173.1 | 97.72 | 192.0 | 32.304 | 0.1623 | 0.0118 | 0.0000 | griddynamics.delgeo |
| 152146 | 25.977(3.4) | 0.171 | 9541.9 | 6186.8 | 99.67 | 166.5 | 22.473 | 0.0016 | 2.8329 | 0.0000 | transform.mmd |
| 55104 | 21.936(2.8) | 0.398 | 6786.9 | 2629.1 | 99.36 | 176.7 | 20.396 | 0.5329 | 0.1733 | 0.0000 | planboundlayer.gwdd |
| 57792 | 20.877(2.7) | 0.361 | 3340.2 | 1171.1 | 97.78 | 191.8 | 11.381 | 3.8072 | 1.8549 | 0.0248 | physicsdriver.physcs |
| 57216 | 19.840(2.6) | 0.347 | 6033.1 | 1950.1 | 99.10 | 176.4 | 17.984 | 0.6002 | 0.3096 | 0.0103 | convection.kuolcl |
| 57216 | 18.696(2.4) | 0.327 | 6940.1 | 2601.9 | 99.24 | 192.9 | 17.947 | 0.1839 | 0.0359 | 0.0000 | convection.lrgscl |
| 57216 | 13.434(1.7) | 0.235 | 6081.1 | 1607.1 | 98.51 | 192.1 | 12.351 | 0.5529 | 0.0590 | 0.0000 | convection.shalv2 |
| 57216 | 13.152(1.7) | 0.230 | 6298.9 | 1364.8 | 99.61 | 192.0 | 12.522 | 0.2647 | 0.0934 | 0.0966 | convection.mstad2 |
| 8538 | 13.089(1.7) | 1.533 | 7614.5 | 3897.4 | 99.35 | 241.9 | 12.753 | 0.0610 | 0.0119 | 0.0000 | radiation.clear |
| 57792 | 11.024(1.4) | 0.191 | 5307.4 | 1503.2 | 98.95 | 203.4 | 8.178 | 1.0006 | 0.5763 | 0.0000 | griddynamics.grpcomp |
| 57792 | 10.501(1.4) | 0.182 | 2896.1 | 0.0 | 97.05 | 192.0 | 7.642 | 1.4697 | 0.4133 | 0.0000 | physicsdriver.dryphysics |
| 601 | 9.727(1.3) | 16.184 | 399.6 | 0.0 | 74.95 | 29.4 | 9.304 | 0.0029 | 0.1006 | 2.7262 | transform.depositspec |
| 57792 | 9.616(1.2) | 0.166 | 6087.8 | 2908.1 | 99.34 | 196.9 | 9.290 | 0.0940 | 0.0487 | 0.0000 | radiation.rqvirt |
| 57216 | 9.276(1.2) | 0.162 | 4742.4 | 1440.9 | 98.64 | 199.9 | 7.657 | 0.7120 | 0.1788 | 0.0000 | convection.gwater2 |
| 298 | 8.860(1.1) | 29.733 | 4609.5 | 2710.7 | 96.93 | 73.4 | 8.770 | 0.0018 | 0.0542 | 2.2704 | specdynamics.semiimpl |
| 173376 | 7.971(1.0) | 0.046 | 5452.1 | 1277.9 | 98.91 | 207.0 | 7.831 | 0.0574 | 0.0005 | 0.0000 | planboundlayer.gauss0 |
| 601 | 7.881(1.0) | 13.114 | 3587.6 | 526.1 | 93.54 | 148.4 | 7.548 | 0.0079 | 0.1387 | 0.0041 | transform.spectofour |
| 599 | 6.870(0.9) | 11.469 | 2236.9 | 359.9 | 90.36 | 76.0 | 5.650 | 0.0064 | 0.0756 | 0.0038 | transform.fourtospec |
| 55047 | 6.597(0.9) | 0.120 | 2481.7 | 872.3 | 96.40 | 125.7 | 3.336 | 0.9648 | 0.4420 | 0.0064 | surface.sflxes |
| 601 | 6.347(0.8) | 10.560 | 9304.1 | 4803.7 | 99.78 | 255.1 | 6.345 | 0.0008 | 0.0003 | 0.0000 | transform.splitfourtrans |
| 601 | 5.718(0.7) | 9.514 | 3198.8 | 0.0 | 96.06 | 172.1 | 5.195 | 0.0035 | 0.3143 | 0.0000 | transform.withdrawgrid |
| 660690 | 4.999(0.6) | 0.008 | 3773.1 | 1458.9 | 98.33 | 114.8 | 4.046 | 0.1543 | 0.1763 | 0.0070 | surface.vntlax |
| 301 | 4.998(0.6) | 16.606 | 6146.6 | 2650.6 | 98.38 | 192.0 | 4.992 | 0.0020 | 0.0008 | 0.0000 | griddynamics.timefilterstep1 |
| 3072 | 4.671(0.6) | 1.520 | 6133.3 | 2467.1 | 98.91 | 192.3 | 4.423 | 0.0883 | 0.0224 | 0.0000 | radiation.lwrad |
| 9216 | 4.545(0.6) | 0.493 | 4075.4 | 1302.9 | 98.35 | 127.1 | 4.052 | 0.0482 | 0.0596 | 0.1286 | radiation.cldgen |
| 601 | 4.395(0.6) | 7.314 | 4022.8 | 0.0 | 99.26 | 255.1 | 4.395 | 0.0003 | 0.0001 | 0.0000 | transform.joingridtrans |
| 55224 | 4.369(0.6) | 0.079 | 2204.3 | 467.2 | 96.10 | 96.7 | 3.087 | 0.5235 | 0.1864 | 0.1554 | surface.radalb |
| 301 | 4.122(0.5) | 13.694 | 5461.4 | 2142.8 | 98.09 | 192.0 | 4.115 | 0.0015 | 0.0012 | 0.0000 | griddynamics.timefilterstep2 |
| 231168 | 4.067(0.5) | 0.018 | 7376.1 | 3055.9 | 99.43 | 192.0 | 3.924 | 0.0332 | 0.0102 | 0.0000 | griddynamics.hadvec |
| 3072 | 4.035(0.5) | 1.313 | 4527.5 | 1566.3 | 99.20 | 225.6 | 3.916 | 0.0355 | 0.0049 | 0.1547 | radiation.lwflux |
| 55047 | 3.804(0.5) | 0.069 | 1081.3 | 274.5 | 90.42 | 122.2 | 1.726 | 0.6673 | 0.4192 | 0.0331 | surface.fysiks |
| 173376 | 3.589(0.5) | 0.021 | 5417.6 | 2003.3 | 98.61 | 192.0 | 3.498 | 0.0223 | 0.0088 | 0.0000 | planboundlayer.gauss1 |
| 55047 | 3.547(0.5) | 0.064 | 4300.9 | 1806.3 | 98.99 | 124.9 | 3.051 | 0.2038 | 0.0687 | 0.0696 | surface.runoff |
| 440502 | 3.419(0.4) | 0.008 | 2770.9 | 970.0 | 95.97 | 103.5 | 2.340 | 0.2158 | 0.1698 | 0.0024 | surface.stres2 |
| 57216 | 3.362(0.4) | 0.059 | 3006.5 | 0.0 | 97.39 | 192.0 | 2.569 | 0.3746 | 0.1401 | 0.0000 | physicsdriver.humidphysics |
| 112574 | 3.361(0.4) | 0.030 | 4502.1 | 1807.1 | 98.81 | 109.7 | 2.935 | 0.0688 | 0.0348 | 0.0000 | surface.vntlt1 |

| | | | | | | | | | | | |
|---------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|----------------------------|
| 9216 | 3.277(0.4) | 0.356 | 2905.1 | 998.3 | 99.53 | 182.9 | 3.131 | 0.0228 | 0.0751 | 0.1381 | radiation.getoz |
| 3072 | 3.134(0.4) | 1.020 | 6582.6 | 1281.9 | 98.91 | 219.5 | 3.119 | 0.0092 | 0.0003 | 0.0000 | radiation.cldslw |
| 110094 | 3.125(0.4) | 0.028 | 4815.1 | 1792.4 | 98.45 | 122.7 | 2.160 | 0.4894 | 0.0712 | 0.0015 | surface.temres |
| 57792 | 3.075(0.4) | 0.053 | 7244.1 | 2973.4 | 98.93 | 192.0 | 2.931 | 0.0838 | 0.0005 | 0.0000 | griddynamics.vertint |
| 55047 | 2.879(0.4) | 0.052 | 2911.7 | 1017.4 | 97.40 | 113.5 | 1.864 | 0.3871 | 0.2044 | 0.0028 | surface.interc |
| 56287 | 2.802(0.4) | 0.050 | 5529.8 | 2145.0 | 98.73 | 193.0 | 1.709 | 0.4044 | 0.2036 | 0.0000 | surface.seascf |
| 599 | 2.786(0.4) | 4.650 | 10371.6 | 5996.7 | 99.80 | 255.5 | 2.785 | 0.0007 | 0.0002 | 0.0000 | transform.joinfourtrans |
| 1195963 | 2.706(0.4) | 0.002 | 5571.3 | 2418.8 | 99.08 | 125.5 | 2.205 | 0.0217 | 0.0354 | 0.0000 | surface.cut |
| 599 | 2.507(0.3) | 4.185 | 3104.5 | 0.0 | 96.15 | 172.7 | 2.212 | 0.0035 | 0.1241 | 0.0000 | transform.depositgrid |
| 301 | 2.485(0.3) | 8.257 | 6655.5 | 2764.3 | 98.19 | 192.0 | 2.483 | 0.0009 | 0.0009 | 0.0000 | griddynamics.addtend |
| 173376 | 2.485(0.3) | 0.014 | 9063.2 | 4126.0 | 99.33 | 192.0 | 2.341 | 0.0552 | 0.0103 | 0.0000 | griddynamics.vadvec |
| 57792 | 2.422(0.3) | 0.042 | 7906.7 | 3719.6 | 98.95 | 192.0 | 2.175 | 0.1326 | 0.0265 | 0.0000 | griddynamics.vadvtmp |
| 601 | 2.363(0.3) | 3.932 | 7129.8 | 0.0 | 98.44 | 256.0 | 2.332 | 0.0048 | 0.0044 | 0.0000 | transform.createspectogrid |
| 601 | 2.349(0.3) | 3.909 | 4730.4 | 0.0 | 99.13 | 255.1 | 2.339 | 0.0038 | 0.0025 | 0.0000 | transform.dospectogrid |
| 53277 | 2.279(0.3) | 0.043 | 332.7 | 47.9 | 32.80 | 23.3 | 0.650 | 0.2170 | 0.2433 | 0.0000 | surface.wheat |
| 57792 | 2.168(0.3) | 0.038 | 8677.4 | 4229.1 | 99.21 | 192.0 | 1.995 | 0.1033 | 0.0086 | 0.0000 | griddynamics.tndtold |
| 57792 | 2.124(0.3) | 0.037 | 2118.5 | 407.3 | 94.92 | 192.4 | 0.845 | 0.4711 | 0.2360 | 0.0000 | radiation.spmrad |
| 8538 | 2.090(0.3) | 0.245 | 4888.8 | 987.6 | 98.43 | 222.3 | 1.754 | 0.1424 | 0.0433 | 0.0003 | radiation.setsw |
| 1144896 | 2.045(0.3) | 0.002 | 1057.7 | 215.0 | 81.31 | 192.0 | 0.473 | 0.1280 | 0.5356 | 0.0000 | diagnostics.updia |
| 599 | 1.873(0.2) | 3.127 | 4022.1 | 0.0 | 99.25 | 255.5 | 1.872 | 0.0003 | 0.0002 | 0.0000 | transform.splitgridtrans |
| 9600 | 1.842(0.2) | 0.192 | 3953.9 | 371.8 | 98.57 | 244.7 | 1.485 | 0.1340 | 0.0669 | 0.0007 | radiation.swrad |
| 287 | 1.704(0.2) | 5.936 | 2694.8 | 613.5 | 99.75 | 254.0 | 1.703 | 0.0003 | 0.0002 | 0.0888 | specdynamics.filtldiss |
| 53277 | 1.460(0.2) | 0.027 | 771.8 | 212.8 | 74.11 | 122.1 | 0.142 | 0.1010 | 0.1277 | 0.0000 | surface.sextrp |
| 599 | 1.422(0.2) | 2.374 | 7067.4 | 0.0 | 98.42 | 256.0 | 1.391 | 0.0052 | 0.0044 | 0.0000 | transform.creategridtospec |
| 18 | 1.357(0.2) | 75.376 | 4066.7 | 892.3 | 98.01 | 143.3 | 1.294 | 0.0000 | 0.0001 | 0.0412 | nonlinearnmi.vertic |
| 55047 | 1.092(0.1) | 0.020 | 2864.9 | 1172.5 | 97.06 | 86.3 | 0.721 | 0.1324 | 0.0412 | 0.0000 | surface.stomat |
| 57792 | 1.087(0.1) | 0.019 | 6057.2 | 2287.0 | 99.11 | 192.0 | 1.026 | 0.0334 | 0.0087 | 0.0000 | griddynamics.delwind |
| 57792 | 1.079(0.1) | 0.019 | 6088.8 | 2302.6 | 99.27 | 192.0 | 1.018 | 0.0255 | 0.0083 | 0.0000 | griddynamics.coriol |
| 301 | 1.024(0.1) | 3.403 | 757.5 | 7.7 | 90.12 | 203.4 | 0.376 | 0.3111 | 0.2670 | 0.0042 | modtimestep.timestep |
| 57792 | 1.001(0.1) | 0.017 | 7492.7 | 3103.3 | 99.40 | 192.0 | 0.943 | 0.0226 | 0.0169 | 0.0000 | griddynamics.nlprgr |
| 55047 | 0.924(0.1) | 0.017 | 2324.0 | 498.0 | 95.93 | 123.6 | 0.501 | 0.1728 | 0.0626 | 0.0000 | surface.snowm |
| 303 | 0.915(0.1) | 3.021 | 5694.5 | 1817.2 | 95.48 | 192.0 | 0.878 | 0.0004 | 0.0002 | 0.0000 | transform.dellam |
| 57792 | 0.853(0.1) | 0.015 | 9738.8 | 5073.6 | 99.39 | 192.0 | 0.747 | 0.0680 | 0.0008 | 0.0000 | griddynamics.omega |
| 55047 | 0.806(0.1) | 0.015 | 3880.2 | 1685.7 | 98.46 | 126.3 | 0.592 | 0.1054 | 0.0554 | 0.0041 | surface.root |
| 57792 | 0.797(0.1) | 0.014 | 11739.7 | 6236.8 | 99.61 | 192.0 | 0.723 | 0.0336 | 0.0187 | 0.0000 | griddynamics.tmptend |
| 301 | 0.795(0.1) | 2.641 | 5867.9 | 1776.6 | 98.94 | 198.0 | 0.791 | 0.0019 | 0.0009 | 0.0002 | modtimestep.dirtrans |
| 301 | 0.776(0.1) | 2.578 | 8139.6 | 2118.3 | 99.76 | 254.0 | 0.776 | 0.0002 | 0.0002 | 0.0000 | specdynamics.uvtodz |
| 57792 | 0.762(0.1) | 0.013 | 5229.8 | 2556.2 | 98.56 | 195.3 | 0.597 | 0.0116 | 0.0100 | 0.0000 | radiation.coszmed |
| 57792 | 0.724(0.1) | 0.013 | 7980.2 | 4289.9 | 99.45 | 192.0 | 0.665 | 0.0329 | 0.0000 | 0.0000 | griddynamics.metric |
| 110094 | 0.675(0.1) | 0.006 | 3236.5 | 954.9 | 97.92 | 126.1 | 0.495 | 0.0474 | 0.0174 | 0.0013 | surface.rbrd |
| 599 | 0.669(0.1) | 1.116 | 4979.9 | 0.0 | 99.60 | 252.6 | 0.665 | 0.0011 | 0.0013 | 0.1831 | transform.withdrawspectral |
| 1 | 0.637(0.1) | 637.042 | 252.3 | 161.3 | 3.00 | 182.3 | 0.001 | 0.0000 | 0.0000 | 0.0000 | convection.initmstad2 |
| 891 | 0.617(0.1) | 0.693 | 3746.0 | 374.7 | 97.47 | 141.8 | 0.586 | 0.0000 | 0.0043 | 0.0144 | utils.iminv |
| 301 | 0.577(0.1) | 1.918 | 10377.2 | 2410.0 | 99.86 | 254.0 | 0.577 | 0.0003 | 0.0000 | 0.0000 | specdynamics.dztouv |
| 55047 | 0.562(0.1) | 0.010 | 80.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.2709 | 0.1329 | 0.0000 | surface.pbl |
| 55047 | 0.545(0.1) | 0.010 | 2266.8 | 774.3 | 95.64 | 122.1 | 0.274 | 0.1279 | 0.0203 | 0.0000 | surface.update |
| 602 | 0.496(0.1) | 0.823 | 7324.5 | 2246.3 | 99.67 | 254.0 | 0.495 | 0.0002 | 0.0001 | 0.0000 | specdynamics.gozrim2d |
| 134016 | 0.451(0.1) | 0.003 | 158.6 | 44.3 | 0.00 | 0.0 | 0.000 | 0.1750 | 0.0668 | 0.0000 | radiation.radtim |
| 57792 | 0.386(0.0) | 0.007 | 482.2 | 0.0 | 74.29 | 13.0 | 0.236 | 0.0660 | 0.0605 | 0.0000 | surface.copysurfacedata |
| 57792 | 0.349(0.0) | 0.006 | 6039.3 | 3689.0 | 99.00 | 192.0 | 0.245 | 0.0395 | 0.0210 | 0.0000 | diagnostics.pwater |
| 2277 | 0.340(0.0) | 0.149 | 3142.1 | 991.6 | 97.01 | 180.2 | 0.238 | 0.0000 | 0.0043 | 0.0097 | nonlinearnmi.horiz2 |
| 298 | 0.337(0.0) | 1.130 | 10540.9 | 4746.7 | 99.75 | 254.0 | 0.334 | 0.0009 | 0.0011 | 0.0000 | specdynamics.impldifu |
| 55047 | 0.336(0.0) | 0.006 | 2598.3 | 844.2 | 96.60 | 122.1 | 0.215 | 0.0629 | 0.0115 | 0.0000 | surface.raduse |
| 55047 | 0.207(0.0) | 0.004 | 2509.4 | 704.5 | 97.52 | 122.1 | 0.097 | 0.0437 | 0.0362 | 0.0009 | surface.airmod |
| 301 | 0.172(0.0) | 0.570 | 7589.8 | 4008.4 | 99.38 | 193.1 | 0.160 | 0.0027 | 0.0015 | 0.0001 | modtimestep.backtrans |
| 298 | 0.165(0.0) | 0.554 | 7814.5 | 4128.5 | 99.41 | 193.1 | 0.159 | 0.0011 | 0.0007 | 0.0000 | modtimestep.humidbacktrans |

| | | | | | | | | | | | |
|--------|-------------|--------|---------|--------|-------|-------|-------|--------|--------|--------|-----------------------------------|
| 57792 | 0.147(0.0) | 0.003 | 62.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0340 | 0.0201 | 0.0000 | planboundlayer.ympbll1 |
| 230881 | 0.090(0.0) | 0.000 | 46.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0189 | 0.0000 | gridhistory.isgridhistoryon |
| 9 | 0.068(0.0) | 7.527 | 768.2 | 139.7 | 67.39 | 215.2 | 0.004 | 0.0015 | 0.0214 | 0.0063 | inputoutput.getsbc |
| 1 | 0.058(0.0) | 57.769 | 5292.0 | 2818.9 | 99.16 | 254.0 | 0.035 | 0.0126 | 0.0053 | 0.0000 | nonlinearmpi.nlnmi |
| 1 | 0.042(0.0) | 42.479 | 2388.2 | 363.3 | 93.82 | 202.3 | 0.026 | 0.0006 | 0.0008 | 0.0000 | surface.sibwet |
| 56 | 0.024(0.0) | 0.428 | 2188.3 | 0.0 | 97.49 | 254.6 | 0.010 | 0.0083 | 0.0041 | 0.0000 | iolowlevel.writefield82d |
| 1200 | 0.024(0.0) | 0.020 | 120.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0037 | 0.0014 | 0.0000 | transform.destroy |
| 1 | 0.022(0.0) | 22.269 | 7052.5 | 0.0 | 98.44 | 256.0 | 0.022 | 0.0001 | 0.0003 | 0.0000 | fieldsdynamics.initfields |
| 4804 | 0.020(0.0) | 0.004 | 168.7 | 0.0 | 12.36 | 19.3 | 0.002 | 0.0041 | 0.0024 | 0.0000 | transform.deposit2d |
| 759 | 0.015(0.0) | 0.020 | 95.4 | 0.3 | 28.78 | 93.1 | 0.000 | 0.0073 | 0.0036 | 0.0000 | nonlinearmpi.getperg |
| 303 | 0.014(0.0) | 0.047 | 4642.3 | 1419.3 | 99.36 | 254.0 | 0.014 | 0.0001 | 0.0001 | 0.0000 | specdynamics.gozrimld |
| 72 | 0.013(0.0) | 0.184 | 3690.5 | 0.0 | 97.95 | 192.0 | 0.012 | 0.0000 | 0.0001 | 0.0000 | utils.ibjbtoij_r |
| 1 | 0.011(0.0) | 10.563 | 3819.3 | 0.8 | 97.49 | 253.9 | 0.006 | 0.0017 | 0.0014 | 0.0001 | model |
| 9503 | 0.010(0.0) | 0.001 | 69.6 | 4.8 | 0.00 | 0.0 | 0.000 | 0.0042 | 0.0031 | 0.0000 | utils.tmstamp2 |
| 599 | 0.008(0.0) | 0.014 | 63.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0035 | 0.0018 | 0.0000 | transform.dogridtospec |
| 46 | 0.007(0.0) | 0.144 | 4203.8 | 0.0 | 97.70 | 192.0 | 0.006 | 0.0000 | 0.0000 | 0.0000 | utils.ijtoibjb_r |
| 1205 | 0.006(0.0) | 0.005 | 118.4 | 0.0 | 9.59 | 13.3 | 0.001 | 0.0018 | 0.0010 | 0.0000 | transform.deposit1d |
| 1 | 0.006(0.0) | 6.364 | 313.0 | 0.4 | 3.49 | 65.3 | 0.000 | 0.0004 | 0.0003 | 0.0000 | inputoutput.initinputoutput |
| 601 | 0.006(0.0) | 0.010 | 72.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0020 | 0.0022 | 0.0000 | transform.invffttrans |
| 1 | 0.006(0.0) | 6.254 | 6239.7 | 0.3 | 98.25 | 255.8 | 0.005 | 0.0002 | 0.0003 | 0.0000 | fieldsphysics.initfieldsphysics |
| 22 | 0.006(0.0) | 0.270 | 4742.9 | 1464.1 | 98.36 | 219.9 | 0.004 | 0.0008 | 0.0003 | 0.0000 | diagnostics.globme |
| 599 | 0.006(0.0) | 0.010 | 78.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0019 | 0.0015 | 0.0000 | transform.dirffttrans |
| 3 | 0.006(0.0) | 1.917 | 613.6 | 0.0 | 78.76 | 32.1 | 0.003 | 0.0000 | 0.0004 | 0.0003 | nonlinearmpi.horiz1 |
| 1 | 0.006(0.0) | 5.589 | 163.3 | 1.3 | 3.56 | 13.6 | 0.000 | 0.0013 | 0.0004 | 0.0000 | diagnostics.initdiagnostics |
| 3 | 0.006(0.0) | 1.856 | 243.8 | 16.2 | 24.12 | 40.5 | 0.000 | 0.0006 | 0.0002 | 0.0000 | diagnostics.rmsgt |
| 2600 | 0.005(0.0) | 0.002 | 236.6 | 86.8 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0004 | 0.0000 | surface.extrak |
| 116 | 0.005(0.0) | 0.041 | 1223.8 | 0.1 | 96.21 | 254.0 | 0.001 | 0.0024 | 0.0011 | 0.0000 | iolowlevel.readfield81d |
| 24 | 0.005(0.0) | 0.199 | 4576.0 | 0.0 | 98.14 | 184.7 | 0.005 | 0.0000 | 0.0000 | 0.0000 | diagnostics.reord |
| 4 | 0.004(0.0) | 1.090 | 1298.6 | 0.1 | 96.48 | 254.0 | 0.001 | 0.0021 | 0.0010 | 0.0000 | iolowlevel.readfield82d |
| 44 | 0.004(0.0) | 0.096 | 3359.4 | 0.0 | 98.07 | 255.9 | 0.003 | 0.0009 | 0.0005 | 0.0000 | iolowlevel.writefield81d |
| 54 | 0.004(0.0) | 0.073 | 3147.6 | 0.1 | 95.68 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readsst8 |
| 54 | 0.004(0.0) | 0.073 | 2150.6 | 0.1 | 93.53 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readslm8 |
| 9319 | 0.004(0.0) | 0.000 | 55.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0009 | 0.0000 | sizes.threaddecomp |
| 1 | 0.004(0.0) | 3.727 | 4558.2 | 1642.8 | 99.10 | 192.7 | 0.003 | 0.0000 | 0.0000 | 0.0001 | utils.creategridvalues |
| 47 | 0.004(0.0) | 0.077 | 2226.4 | 1050.2 | 95.61 | 99.8 | 0.003 | 0.0000 | 0.0000 | 0.0000 | utils.legpol |
| 4 | 0.004(0.0) | 0.901 | 183.1 | 1.3 | 0.27 | 4.6 | 0.000 | 0.0005 | 0.0002 | 0.0000 | iolowlevel.writedir8 |
| 1 | 0.003(0.0) | 3.097 | 2926.5 | 0.1 | 93.02 | 250.7 | 0.001 | 0.0003 | 0.0003 | 0.0000 | communications.init_mpi |
| 7 | 0.003(0.0) | 0.398 | 1782.3 | 623.3 | 82.89 | 27.9 | 0.002 | 0.0000 | 0.0000 | 0.0000 | specdynamics.bmcm |
| 1204 | 0.003(0.0) | 0.002 | 155.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0002 | 0.0000 | transform.depdlg2d |
| 6 | 0.002(0.0) | 0.416 | 7207.8 | 0.0 | 98.46 | 256.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.rsdiag |
| 1 | 0.002(0.0) | 2.367 | 2270.9 | 355.8 | 91.08 | 86.5 | 0.002 | 0.0000 | 0.0001 | 0.0000 | transform.inittransform |
| 1 | 0.002(0.0) | 2.293 | 175.5 | 3.9 | 3.71 | 34.7 | 0.000 | 0.0004 | 0.0002 | 0.0000 | surface.vegin |
| 40 | 0.002(0.0) | 0.051 | 3347.9 | 0.0 | 85.73 | 192.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.getgau |
| 1 | 0.002(0.0) | 2.013 | 3287.3 | 1621.7 | 96.75 | 95.3 | 0.002 | 0.0000 | 0.0000 | 0.0000 | utils.createassoclegfunc |
| 3604 | 0.002(0.0) | 0.001 | 71.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | utils.nobankconflicts |
| 40 | 0.002(0.0) | 0.043 | 5262.7 | 1730.9 | 98.67 | 256.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | inputoutput.scloutgr |
| 12 | 0.002(0.0) | 0.142 | 13316.1 | 6496.6 | 99.47 | 249.8 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr2d |
| 4 | 0.002(0.0) | 0.423 | 2956.8 | 0.0 | 94.38 | 191.6 | 0.001 | 0.0002 | 0.0001 | 0.0000 | diagnostics.wrprog |
| 1 | 0.002(0.0) | 1.632 | 149.4 | 0.1 | 2.01 | 45.4 | 0.000 | 0.0004 | 0.0002 | 0.0000 | options.coldwarm |
| 4 | 0.001(0.0) | 0.374 | 90.6 | 0.1 | 2.60 | 53.4 | 0.000 | 0.0006 | 0.0004 | 0.0000 | diagnostics.opnfct |
| 1 | 0.001(0.0) | 1.466 | 3846.2 | 117.8 | 97.01 | 199.2 | 0.001 | 0.0001 | 0.0001 | 0.0000 | fieldsphysics.initboundcond |
| 298 | 0.001(0.0) | 0.005 | 47.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0005 | 0.0003 | 0.0000 | modtimestep.humidirtrans |
| 2 | 0.001(0.0) | 0.651 | 4641.3 | 0.2 | 97.66 | 254.5 | 0.001 | 0.0001 | 0.0001 | 0.0000 | diagnostics.wridia |
| 1 | 0.001(0.0) | 1.166 | 232.0 | 0.7 | 0.11 | 71.5 | 0.000 | 0.0001 | 0.0001 | 0.0000 | options.initnammodel |
| 1 | 0.001(0.0) | 1.164 | 205.8 | 7.5 | 6.79 | 21.7 | 0.000 | 0.0002 | 0.0000 | 0.0000 | planboundlayer.initplanboundlayer |
| 2 | 0.001(0.0) | 0.513 | 126.4 | 1.8 | 0.65 | 19.3 | 0.000 | 0.0003 | 0.0002 | 0.0000 | inputoutput.gread4 |

| | | | | | | | | | | | |
|-----|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|--------------------------------|
| 6 | 0.001(0.0) | 0.166 | 5165.2 | 1590.3 | 99.50 | 250.7 | 0.001 | 0.0000 | 0.0000 | 0.0002 | nonlinearnmi.primes |
| 1 | 0.001(0.0) | 0.957 | 6273.8 | 0.1 | 98.24 | 255.8 | 0.001 | 0.0000 | 0.0000 | 0.0000 | diagnostics.setdia |
| 288 | 0.001(0.0) | 0.003 | 68.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | diagnostics.accpf |
| 62 | 0.001(0.0) | 0.014 | 8566.7 | 3644.1 | 99.25 | 256.0 | 0.001 | 0.0001 | 0.0001 | 0.0000 | inputoutput.cnvray |
| 303 | 0.001(0.0) | 0.003 | 94.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0002 | 0.0000 | transform.depdlgld |
| 2 | 0.001(0.0) | 0.349 | 4595.0 | 428.5 | 97.86 | 198.6 | 0.001 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initsurftemp |
| 287 | 0.001(0.0) | 0.002 | 58.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0002 | 0.0000 | fieldsphysics.initgetsbc |
| 1 | 0.001(0.0) | 0.646 | 277.8 | 0.6 | 18.75 | 238.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initresst |
| 1 | 0.001(0.0) | 0.617 | 2233.6 | 65.7 | 95.89 | 75.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initdztouv |
| 1 | 0.001(0.0) | 0.546 | 3677.6 | 0.1 | 93.98 | 212.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerothersizes |
| 1 | 0.000(0.0) | 0.491 | 2014.9 | 32.9 | 95.24 | 76.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inituvtodz |
| 2 | 0.000(0.0) | 0.241 | 2512.1 | 0.0 | 97.47 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readnftgz4 |
| 1 | 0.000(0.0) | 0.434 | 1794.8 | 37.2 | 95.27 | 60.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initgozrim |
| 288 | 0.000(0.0) | 0.002 | 93.0 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0002 | 0.0000 | diagnostics.prec_diag |
| 1 | 0.000(0.0) | 0.387 | 3988.5 | 1177.5 | 98.16 | 255.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | nonlinearnmi.diaten |
| 287 | 0.000(0.0) | 0.001 | 56.0 | 8.8 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | inputoutput.willgetsbc |
| 98 | 0.000(0.0) | 0.003 | 160.0 | 10.4 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.nextsizefft |
| 1 | 0.000(0.0) | 0.250 | 3286.5 | 0.2 | 94.34 | 127.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.mpimappings |
| 1 | 0.000(0.0) | 0.239 | 2041.8 | 68.8 | 95.22 | 151.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initimpldifu |
| 1 | 0.000(0.0) | 0.216 | 135.8 | 0.2 | 5.12 | 44.1 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.setsst |
| 1 | 0.000(0.0) | 0.215 | 133.1 | 0.2 | 1.37 | 19.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | sizes.dumpsizes |
| 1 | 0.000(0.0) | 0.198 | 1153.8 | 156.5 | 88.68 | 99.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.legpolroots |
| 1 | 0.000(0.0) | 0.196 | 6883.4 | 0.0 | 98.40 | 256.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initcheckfile |
| 1 | 0.000(0.0) | 0.186 | 1262.9 | 0.1 | 94.33 | 254.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.readlandseamask2_8 |
| 1 | 0.000(0.0) | 0.160 | 3618.9 | 0.1 | 95.67 | 167.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerbasicsizes |
| 1 | 0.000(0.0) | 0.159 | 4026.4 | 0.2 | 97.21 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistory |
| 1 | 0.000(0.0) | 0.147 | 3325.2 | 897.2 | 99.49 | 250.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.reset_epsilon_to_local |
| 1 | 0.000(0.0) | 0.144 | 4182.3 | 0.0 | 97.70 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.ijtoibjb_i |
| 1 | 0.000(0.0) | 0.114 | 99.0 | 0.0 | 2.74 | 51.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initvariancia |
| 1 | 0.000(0.0) | 0.113 | 2607.3 | 397.3 | 95.46 | 79.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initsemiimpl |
| 4 | 0.000(0.0) | 0.025 | 54.3 | 0.0 | 1.16 | 4.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.writeproghead8 |
| 1 | 0.000(0.0) | 0.096 | 129.7 | 0.3 | 6.84 | 94.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.initall |
| 1 | 0.000(0.0) | 0.094 | 2408.5 | 0.1 | 97.79 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readvar8 |
| 1 | 0.000(0.0) | 0.094 | 151.7 | 2.3 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | nonlinearnmi.setmods |
| 2 | 0.000(0.0) | 0.041 | 96.7 | 0.5 | 8.20 | 14.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead4 |
| 1 | 0.000(0.0) | 0.075 | 3078.2 | 0.1 | 95.65 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readsnw8 |
| 1 | 0.000(0.0) | 0.072 | 251.6 | 0.3 | 19.28 | 13.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.initreadwritspec |
| 1 | 0.000(0.0) | 0.069 | 1135.1 | 429.4 | 89.92 | 143.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setoutput |
| 1 | 0.000(0.0) | 0.066 | 242.2 | 0.0 | 21.83 | 10.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistfields |
| 1 | 0.000(0.0) | 0.065 | 267.4 | 0.1 | 63.09 | 30.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradiation |
| 2 | 0.000(0.0) | 0.025 | 5225.3 | 1939.7 | 98.99 | 254.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | modtimestep.sfcgeotrans |
| 1 | 0.000(0.0) | 0.048 | 341.5 | 88.3 | 69.41 | 101.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.creategaussquad |
| 1 | 0.000(0.0) | 0.041 | 66.3 | 0.3 | 10.11 | 17.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead8 |
| 1 | 0.000(0.0) | 0.038 | 510.5 | 168.8 | 78.31 | 33.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.initversizes |
| 1 | 0.000(0.0) | 0.025 | 91.1 | 0.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.inittimestamp |
| 1 | 0.000(0.0) | 0.024 | 1527.8 | 175.1 | 95.86 | 52.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.init_ct_cq |
| 1 | 0.000(0.0) | 0.024 | 208.1 | 21.2 | 57.51 | 42.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | convection.initconvection |
| 3 | 0.000(0.0) | 0.007 | 7220.5 | 4679.4 | 99.09 | 246.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr |
| 1 | 0.000(0.0) | 0.016 | 1682.1 | 687.0 | 95.80 | 147.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.trigfactors |
| 1 | 0.000(0.0) | 0.015 | 108.1 | 2.2 | 10.33 | 27.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | constants.initconstants |
| 1 | 0.000(0.0) | 0.013 | 176.7 | 0.5 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.timestamp |
| 2 | 0.000(0.0) | 0.005 | 448.8 | 23.6 | 79.18 | 102.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.nobankconflictv |
| 1 | 0.000(0.0) | 0.010 | 184.3 | 1.5 | 44.95 | 55.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.factorize |
| 1 | 0.000(0.0) | 0.010 | 67.2 | 2.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | surface.initsurface |
| 4 | 0.000(0.0) | 0.002 | 95.6 | 11.1 | 41.58 | 11.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.jull |
| 1 | 0.000(0.0) | 0.007 | 80.4 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.destroyassoclegfunc |

| | | | | | | | | | | | |
|---|-------------|-------|-------|------|-------|-------|-------|--------|--------|--------|----------------------------------|
| 1 | 0.000(0.0) | 0.006 | 820.5 | 90.4 | 83.86 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.createlegpol |
| 1 | 0.000(0.0) | 0.006 | 81.8 | 2.2 | 9.20 | 12.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.settimeoutput |
| 1 | 0.000(0.0) | 0.005 | 92.6 | 0.0 | 16.67 | 10.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.createfft |
| 1 | 0.000(0.0) | 0.005 | 82.3 | 1.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initfiltdiss |
| 1 | 0.000(0.0) | 0.005 | 124.4 | 0.0 | 37.02 | 56.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.inittblkdat |
| 1 | 0.000(0.0) | 0.003 | 80.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.writegridhistorytopo |
| 1 | 0.000(0.0) | 0.002 | 154.2 | 31.3 | 58.00 | 29.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | planboundlayer.initgwdd |
| 1 | 0.000(0.0) | 0.001 | 78.9 | 8.3 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.caldat |
| 1 | 0.000(0.0) | 0.001 | 79.7 | 4.6 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.julday |
| 1 | 0.000(0.0) | 0.001 | 49.8 | 1.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initgetoz |
| 1 | 0.000(0.0) | 0.001 | 93.3 | 13.2 | 70.51 | 11.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradtim |
| 1 | 0.000(0.0) | 0.000 | 64.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initspmrad |
| 1 | 0.000(0.0) | 0.000 | 54.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.turnongridhistory |

7708040 771.907(100.0) 0.100 6616.8 2893.4 99.09 190.4 697.240 18.5109 15.5325 10.2275 total

| ELAPSE [sec] | COMM.TIME [sec] | COMM.TIME / ELAPSE | IDLE TIME [sec] | IDLE TIME / ELAPSE | AVER.LEN [byte] | COUNT | TOTAL LEN [byte] | PROG.UNIT |
|-----------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-------|---------------------|------------------------------|
| 175.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.crunch |
| 54.653 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl0 |
| 48.793 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cloudy |
| 37.483 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.onepass |
| 35.665 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmt |
| 32.658 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delgeo |
| 26.044 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmd |
| 21.978 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gwdd |
| 21.266 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.physcs |
| 19.889 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.kuolcl |
| 18.738 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.lrgscl |
| 13.466 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.shalv2 |
| 13.181 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.mstad2 |
| 13.113 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.clear |
| 11.327 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.grpcomp |
| 10.544 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.dryphysics |
| 9.739 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositspec |
| 9.645 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.rqvirt |
| 9.401 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.gwater2 |
| 8.873 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.semiimpl |
| 8.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss0 |
| 7.925 | 0.002 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.spectofour |
| 7.187 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sflxes |
| 6.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.fourtospec |
| 6.356 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitfourtrans |
| 5.727 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawgrid |
| 5.151 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlax |
| 5.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep1 |
| 4.682 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwrad |
| 4.553 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldgen |
| 4.400 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joiningridtrans |
| 4.386 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.radalb |
| 4.343 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.getperg |
| 4.128 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep2 |
| 4.122 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.hadvec |
| 4.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwflux |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------|
| 3.856 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.fysiks |
| 3.687 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield82d |
| 3.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss1 |
| 3.564 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.runoff |
| 3.520 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stres2 |
| 3.391 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.humidphysics |
| 3.390 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlt1 |
| 3.284 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.getoz |
| 3.153 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.temres |
| 3.138 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldslw |
| 3.091 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vertint |
| 2.969 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.cut |
| 2.895 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.interc |
| 2.874 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.getsbc |
| 2.843 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.seasfc |
| 2.790 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joinfourtrans |
| 2.526 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvec |
| 2.511 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositgrid |
| 2.490 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.addtend |
| 2.438 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvtmp |
| 2.388 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createspectogrid |
| 2.354 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dospectogrid |
| 2.298 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.updia |
| 2.294 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.wheat |
| 2.183 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tndtold |
| 2.152 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.spmrad |
| 2.099 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.setsw |
| 1.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitgridtrans |
| 1.849 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.swrad |
| 1.705 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.filtldiss |
| 1.474 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sextrp |
| 1.424 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.creategridtospec |
| 1.359 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.vertic |
| 1.183 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield81d |
| 1.179 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.nlmi |
| 1.105 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stomat |
| 1.100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delwind |
| 1.093 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.coriol |
| 1.077 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield81d |
| 1.073 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield82d |
| 1.065 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.timestep |
| 1.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.nlprgr |
| 0.937 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.snowm |
| 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dellam |
| 0.866 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.omega |
| 0.818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.root |
| 0.810 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tmptend |
| 0.797 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.dirtrans |
| 0.788 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.coszmed |
| 0.777 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.uvtodz |
| 0.738 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.metric |
| 0.706 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readslm8 |
| 0.699 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.rbrd |
| 0.670 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawspectral |
| 0.637 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initmstad2 |
| 0.636 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.pbl |

| | | | | | | | | |
|-------|-------|-------|-------|-------|------|----|--------|--------------------------------|
| 0.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsst8 |
| 0.617 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.iminv |
| 0.578 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.dztouv |
| 0.558 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.update |
| 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim2d |
| 0.481 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.radtim |
| 0.399 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.copysurfacedata |
| 0.362 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.pwater |
| 0.349 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.raduse |
| 0.341 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz2 |
| 0.337 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.impldifu |
| 0.225 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.opnfct |
| 0.219 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.airmod |
| 0.198 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl1 |
| 0.173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.backtrans |
| 0.166 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidbacktrans |
| 0.141 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.isgridhistoryon |
| 0.115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readnftgz4 |
| 0.115 | 0.073 | 0.639 | 0.000 | 0.000 | 0.0 | 1 | 0.0 | model |
| 0.096 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vegin |
| 0.073 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.initinputoutput |
| 0.064 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.coldwarm |
| 0.050 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initboundcond |
| 0.046 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsdynamics.initfields |
| 0.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sibwet |
| 0.037 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readlandseamask2_8 |
| 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readvar8 |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.initdiagnostics |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.destroy |
| 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsnw8 |
| 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit2d |
| 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.invffttrans |
| 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initfieldsphyscs |
| 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim1d |
| 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ibjbtoij_r |
| 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.tmstamp2 |
| 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writedir8 |
| 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initvariencia |
| 0.011 | 0.010 | 0.980 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | communications.init_mpi |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rmsgt |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dogridtospec |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initnammodel |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dirffttrans |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit1d |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_r |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz1 |
| 0.006 | 0.000 | 0.051 | 0.000 | 0.000 | 3.0K | 44 | 132.0K | diagnostics.globme |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.threaddecomp |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.extrak |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.reord |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategridvalues |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.diaten |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpol |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.inittransform |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead8 |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|-----------------------------------|
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.bmcm |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflicts |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setsst |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createassoclegfunc |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initresset |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.gread4 |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.setdia |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rsdiag |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.getgau |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidirtrans |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.scloutgr |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wrprog |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr2d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wridia |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initplanboundlayer |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.accpf |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.primes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlgld |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initdztouv |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.cnvray |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initgetsbc |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerothersizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.inituvtodz |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initsurftemp |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initgozrim |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.mpimappings |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.prec_diag |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerbasicsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initimpldifu |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.willgetsbc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writeproghead8 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.nextsizefft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initsemiimpl |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpolroots |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistory |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.dumpsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initcheckfile |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.reset_epsilon_to_local |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_i |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.initall |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategaussquad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.setmods |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.initreadwritespec |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.trigfactors |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistfields |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradiation |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | constants.initconstants |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.sfcgeotrans |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.initversizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.inittimestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.init_ct_cq |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initconvection |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.timestamp |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------------|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflictv |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.factorize |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.initsurface |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.jull |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.settimeoutoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.destroyassoclegfunc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createlegpol |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createfft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initfiltddiss |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initblkdat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.writegridhistorytopo |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initgwdd |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.caldat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.julday |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initgetoz |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradtim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initspmrad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.turnongridhistory |

FLOW TRACE ANALYSIS LIST

Na otimizacao realizada na subrotina delgeo do modulo GridDynamics.f90, obteve um ganho de 7,3% no tempo de execucao do modelo GLOBAL MPI Com truncamento T126L28, resolucao de aproximadamente 100 km.

OBS: o ftrace original esta anexado ao final do ftrace otimizado

Execution : Mon May 29 17:05:06 2006
Total CPU : 0:12'29"864

| FREQUENCY | EXCLUSIVE TIME[sec](%) | AVER.TIME [msec] | MOPS | MFLOPS | V.OP RATIO | AVER. V.LEN | VECTOR TIME | I-CACHE MISS | O-CACHE MISS | BANK CONF | PROG.UNIT |
|--------------|-----------------------------|---------------------|----------------|---------------|---------------|----------------|----------------|-----------------|-----------------|---------------|----------------------------|
| 12288 | 174.712(23.3) | 14.218 | 7948.8 | 3874.0 | 99.52 | 193.4 | 166.832 | 0.0531 | 0.0187 | 0.0000 | radiation.crunch |
| 57792 | 54.530(7.3) | 0.944 | 4864.9 | 1787.1 | 98.89 | 175.2 | 47.262 | 0.5751 | 3.4160 | 4.0068 | planboundlayer.ympbl0 |
| 8536 | 48.721(6.5) | 5.708 | 7604.1 | 3184.5 | 99.43 | 244.2 | 47.631 | 0.1048 | 0.0221 | 0.0288 | radiation.cloudy |
| 4800 | 37.432(5.0) | 7.798 | 10426.0 | 4825.0 | 99.85 | 255.2 | 37.420 | 0.0054 | 0.0030 | 0.0001 | transform.onepass |
| 152654 | 35.577(4.7) | 0.233 | 12109.4 | 7575.0 | 99.67 | 188.9 | 35.453 | 0.0027 | 0.0285 | 0.0000 | transform.mmt |
| 152146 | 25.981(3.5) | 0.171 | 9540.4 | 6185.9 | 99.67 | 166.5 | 22.474 | 0.0014 | 2.8364 | 0.0000 | transform.mmd |
| 55104 | 21.573(2.9) | 0.391 | 6960.5 | 2659.7 | 99.27 | 176.7 | 19.739 | 0.5596 | 0.2429 | 0.0000 | planboundlayer.gwdd |
| 57792 | 20.913(2.8) | 0.362 | 3334.4 | 1169.1 | 97.78 | 191.8 | 11.404 | 3.8120 | 1.7752 | 0.0247 | physicsdriver.physcs |
| 57216 | 19.913(2.7) | 0.348 | 6010.8 | 1942.9 | 99.10 | 176.4 | 17.982 | 0.6294 | 0.3086 | 0.0103 | convection.kuolcl |
| 57216 | 18.674(2.5) | 0.326 | 6948.6 | 2605.1 | 99.24 | 192.9 | 17.939 | 0.1810 | 0.0287 | 0.0000 | convection.lrgscl |
| 57216 | 13.321(1.8) | 0.233 | 6132.9 | 1620.8 | 98.51 | 192.1 | 12.351 | 0.5173 | 0.0338 | 0.0000 | convection.shalv2 |
| 57216 | 13.149(1.8) | 0.230 | 6300.5 | 1365.2 | 99.61 | 192.0 | 12.523 | 0.2539 | 0.1002 | 0.0966 | convection.mstad2 |
| 8538 | 13.093(1.7) | 1.533 | 7612.6 | 3896.4 | 99.35 | 241.9 | 12.757 | 0.0563 | 0.0126 | 0.0000 | radiation.clear |
| 57792 | 11.036(1.5) | 0.191 | 5301.9 | 1501.7 | 98.95 | 203.4 | 8.191 | 0.9662 | 0.6316 | 0.0000 | griddynamics.grpcomp |
| 57792 | 10.960(1.5) | 0.190 | 11021.1 | 6463.5 | 99.55 | 192.0 | 10.661 | 0.1621 | 0.0334 | 0.0000 | griddynamics.delgeo |
| 57792 | 10.455(1.4) | 0.181 | 2908.9 | 0.0 | 97.05 | 192.0 | 7.646 | 1.4365 | 0.4319 | 0.0000 | physicsdriver.dryphysics |
| 601 | 9.728(1.3) | 16.186 | 399.5 | 0.0 | 74.95 | 29.4 | 9.306 | 0.0028 | 0.1003 | 2.7258 | transform.depositspec |
| 57792 | 9.575(1.3) | 0.166 | 6114.0 | 2920.6 | 99.34 | 196.9 | 9.283 | 0.0818 | 0.0297 | 0.0000 | radiation.rqvirt |
| 57216 | 9.354(1.2) | 0.163 | 4703.0 | 1429.0 | 98.64 | 199.9 | 7.664 | 0.7786 | 0.1759 | 0.0000 | convection.gwater2 |
| 298 | 8.867(1.2) | 29.755 | 4606.2 | 2708.7 | 96.93 | 73.4 | 8.778 | 0.0019 | 0.0540 | 2.2702 | specdynamics.semiimpl |

| | | | | | | | | | | | |
|---------|-------------|--------|---------|--------|-------|-------|-------|--------|--------|--------|------------------------------|
| 173376 | 7.972(1.1) | 0.046 | 5451.6 | 1277.8 | 98.91 | 207.0 | 7.833 | 0.0575 | 0.0003 | 0.0000 | planboundlayer.gauss0 |
| 601 | 7.890(1.1) | 13.128 | 3583.7 | 525.5 | 93.54 | 148.4 | 7.550 | 0.0069 | 0.1552 | 0.0044 | transform.spectofour |
| 599 | 6.829(0.9) | 11.401 | 2250.3 | 362.1 | 90.36 | 76.0 | 5.616 | 0.0060 | 0.0738 | 0.0038 | transform.fourtospec |
| 55047 | 6.735(0.9) | 0.122 | 2430.9 | 854.4 | 96.40 | 125.7 | 3.338 | 1.0321 | 0.5087 | 0.0066 | surface.sflxes |
| 601 | 6.348(0.8) | 10.563 | 9301.5 | 4802.4 | 99.78 | 255.1 | 6.347 | 0.0006 | 0.0003 | 0.0000 | transform.splitfourtrans |
| 601 | 5.716(0.8) | 9.511 | 3200.1 | 0.0 | 96.06 | 172.1 | 5.193 | 0.0034 | 0.3142 | 0.0000 | transform.withdrawgrid |
| 660690 | 5.020(0.7) | 0.008 | 3757.2 | 1452.7 | 98.33 | 114.8 | 4.059 | 0.1352 | 0.2037 | 0.0069 | surface.vntlax |
| 301 | 4.996(0.7) | 16.598 | 6149.8 | 2651.9 | 98.38 | 192.0 | 4.990 | 0.0020 | 0.0008 | 0.0000 | griddynamics.timefilterstep1 |
| 3072 | 4.673(0.6) | 1.521 | 6130.5 | 2466.0 | 98.91 | 192.3 | 4.426 | 0.0878 | 0.0203 | 0.0000 | radiation.lwrad |
| 9216 | 4.545(0.6) | 0.493 | 4075.9 | 1303.0 | 98.35 | 127.1 | 4.053 | 0.0466 | 0.0591 | 0.1287 | radiation.cldgen |
| 601 | 4.395(0.6) | 7.313 | 4023.1 | 0.0 | 99.26 | 255.1 | 4.395 | 0.0003 | 0.0001 | 0.0000 | transform.joingridtrans |
| 55224 | 4.327(0.6) | 0.078 | 2225.8 | 471.7 | 96.10 | 96.7 | 3.109 | 0.4658 | 0.1801 | 0.1548 | surface.radalb |
| 301 | 4.120(0.5) | 13.686 | 5464.5 | 2144.0 | 98.09 | 192.0 | 4.113 | 0.0015 | 0.0011 | 0.0000 | griddynamics.timefilterstep2 |
| 231168 | 4.078(0.5) | 0.018 | 7356.0 | 3047.6 | 99.43 | 192.0 | 3.923 | 0.0333 | 0.0187 | 0.0000 | griddynamics.hadvec |
| 3072 | 4.033(0.5) | 1.313 | 4529.8 | 1567.1 | 99.20 | 225.6 | 3.916 | 0.0341 | 0.0062 | 0.1546 | radiation.lwflux |
| 55047 | 3.804(0.5) | 0.069 | 1081.4 | 274.5 | 90.42 | 122.2 | 1.734 | 0.6383 | 0.4144 | 0.0330 | surface.fysiks |
| 173376 | 3.590(0.5) | 0.021 | 5417.1 | 2003.1 | 98.61 | 192.0 | 3.498 | 0.0224 | 0.0002 | 0.0000 | planboundlayer.gauss1 |
| 55047 | 3.558(0.5) | 0.065 | 4287.2 | 1800.6 | 98.99 | 124.9 | 3.051 | 0.2203 | 0.0807 | 0.0676 | surface.runoff |
| 440502 | 3.423(0.5) | 0.008 | 2767.3 | 968.8 | 95.97 | 103.5 | 2.343 | 0.1967 | 0.1191 | 0.0024 | surface.stres2 |
| 112574 | 3.405(0.5) | 0.030 | 4443.2 | 1783.4 | 98.81 | 109.7 | 2.938 | 0.1023 | 0.0612 | 0.0000 | surface.vntl1 |
| 57216 | 3.392(0.5) | 0.059 | 2979.4 | 0.0 | 97.39 | 192.0 | 2.569 | 0.4029 | 0.1227 | 0.0000 | physicsdriver.humidphysics |
| 9216 | 3.278(0.4) | 0.356 | 2904.7 | 998.1 | 99.53 | 182.9 | 3.130 | 0.0235 | 0.0729 | 0.1377 | radiation.getoz |
| 3072 | 3.135(0.4) | 1.021 | 6580.1 | 1281.5 | 98.91 | 219.5 | 3.120 | 0.0097 | 0.0005 | 0.0000 | radiation.cldslw |
| 110094 | 3.122(0.4) | 0.028 | 4820.5 | 1794.4 | 98.45 | 122.7 | 2.154 | 0.4924 | 0.0710 | 0.0017 | surface.temres |
| 57792 | 3.075(0.4) | 0.053 | 7243.7 | 2973.2 | 98.93 | 192.0 | 2.931 | 0.0840 | 0.0003 | 0.0000 | griddynamics.vertint |
| 55047 | 2.812(0.4) | 0.051 | 2981.4 | 1041.8 | 97.40 | 113.5 | 1.857 | 0.3713 | 0.1498 | 0.0028 | surface.interc |
| 599 | 2.784(0.4) | 4.647 | 10378.7 | 6000.8 | 99.80 | 255.5 | 2.783 | 0.0005 | 0.0002 | 0.0000 | transform.joinfourtrans |
| 56287 | 2.776(0.4) | 0.049 | 5580.0 | 2164.5 | 98.73 | 193.0 | 1.704 | 0.4067 | 0.2139 | 0.0000 | surface.seasfc |
| 1195963 | 2.732(0.4) | 0.002 | 5517.4 | 2395.4 | 99.08 | 125.5 | 2.211 | 0.0218 | 0.0634 | 0.0000 | surface.cut |
| 599 | 2.508(0.3) | 4.187 | 3103.5 | 0.0 | 96.15 | 172.7 | 2.212 | 0.0036 | 0.1240 | 0.0000 | transform.depositgrid |
| 173376 | 2.490(0.3) | 0.014 | 9046.4 | 4118.3 | 99.33 | 192.0 | 2.337 | 0.0650 | 0.0093 | 0.0000 | griddynamics.vadvec |
| 301 | 2.486(0.3) | 8.258 | 6654.8 | 2764.1 | 98.19 | 192.0 | 2.484 | 0.0009 | 0.0007 | 0.0000 | griddynamics.addtend |
| 57792 | 2.406(0.3) | 0.042 | 7959.5 | 3744.5 | 98.95 | 192.0 | 2.169 | 0.1320 | 0.0165 | 0.0000 | griddynamics.vadvtmp |
| 601 | 2.363(0.3) | 3.933 | 7128.2 | 0.0 | 98.44 | 256.0 | 2.332 | 0.0049 | 0.0043 | 0.0000 | transform.createspectogrid |
| 601 | 2.349(0.3) | 3.909 | 4730.3 | 0.0 | 99.13 | 255.1 | 2.339 | 0.0043 | 0.0023 | 0.0000 | transform.dospectogrid |
| 53277 | 2.261(0.3) | 0.042 | 335.3 | 48.3 | 32.80 | 23.3 | 0.652 | 0.2143 | 0.2247 | 0.0000 | surface.wheat |
| 57792 | 2.182(0.3) | 0.038 | 8623.1 | 4202.6 | 99.21 | 192.0 | 2.001 | 0.1030 | 0.0168 | 0.0000 | griddynamics.tndtold |
| 57792 | 2.156(0.3) | 0.037 | 2086.1 | 401.0 | 94.92 | 192.4 | 0.847 | 0.4630 | 0.2625 | 0.0000 | radiation.spmrad |
| 8538 | 2.097(0.3) | 0.246 | 4872.7 | 984.4 | 98.43 | 222.3 | 1.755 | 0.1400 | 0.0447 | 0.0003 | radiation.setsw |
| 599 | 1.873(0.2) | 3.127 | 4021.9 | 0.0 | 99.25 | 255.5 | 1.872 | 0.0003 | 0.0001 | 0.0000 | transform.splitgridtrans |
| 9600 | 1.842(0.2) | 0.192 | 3953.7 | 371.8 | 98.57 | 244.7 | 1.485 | 0.1407 | 0.0632 | 0.0007 | radiation.swrad |
| 1144896 | 1.815(0.2) | 0.002 | 1191.9 | 242.3 | 81.31 | 192.0 | 0.472 | 0.1475 | 0.3202 | 0.0000 | diagnostics.updia |
| 287 | 1.703(0.2) | 5.935 | 2695.1 | 613.5 | 99.75 | 254.0 | 1.703 | 0.0003 | 0.0002 | 0.0888 | specdynamics.filtliss |
| 53277 | 1.432(0.2) | 0.027 | 787.2 | 217.0 | 74.11 | 122.1 | 0.137 | 0.1095 | 0.1388 | 0.0002 | surface.sextrp |
| 599 | 1.422(0.2) | 2.374 | 7066.6 | 0.0 | 98.42 | 256.0 | 1.391 | 0.0053 | 0.0041 | 0.0000 | transform.creategridtospec |
| 18 | 1.357(0.2) | 75.376 | 4066.7 | 892.3 | 98.01 | 143.3 | 1.294 | 0.0000 | 0.0000 | 0.0412 | nonlinearnmi.vertic |
| 55047 | 1.108(0.1) | 0.020 | 2821.9 | 1154.9 | 97.06 | 86.3 | 0.727 | 0.1295 | 0.0609 | 0.0000 | surface.stomat |
| 57792 | 1.086(0.1) | 0.019 | 6059.9 | 2288.0 | 99.11 | 192.0 | 1.026 | 0.0333 | 0.0086 | 0.0000 | griddynamics.delwind |
| 57792 | 1.080(0.1) | 0.019 | 6086.9 | 2301.8 | 99.27 | 192.0 | 1.018 | 0.0254 | 0.0087 | 0.0000 | griddynamics.coriol |
| 301 | 1.058(0.1) | 3.516 | 733.3 | 7.5 | 90.12 | 203.4 | 0.376 | 0.3030 | 0.2779 | 0.0042 | modtimestep.timestep |
| 57792 | 1.002(0.1) | 0.017 | 7487.1 | 3101.0 | 99.40 | 192.0 | 0.943 | 0.0224 | 0.0169 | 0.0000 | griddynamics.nlprgr |
| 55047 | 0.929(0.1) | 0.017 | 2311.4 | 495.3 | 95.93 | 123.6 | 0.511 | 0.1516 | 0.0622 | 0.0000 | surface.snowm |
| 303 | 0.916(0.1) | 3.022 | 5692.4 | 1816.5 | 95.48 | 192.0 | 0.878 | 0.0004 | 0.0003 | 0.0000 | transform.dellam |
| 57792 | 0.854(0.1) | 0.015 | 9728.4 | 5068.3 | 99.39 | 192.0 | 0.748 | 0.0679 | 0.0091 | 0.0000 | griddynamics.omega |
| 55047 | 0.810(0.1) | 0.015 | 3860.7 | 1677.2 | 98.46 | 126.3 | 0.601 | 0.0917 | 0.0505 | 0.0041 | surface.root |
| 57792 | 0.797(0.1) | 0.014 | 11734.1 | 6233.8 | 99.61 | 192.0 | 0.724 | 0.0337 | 0.0184 | 0.0000 | griddynamics.tmptend |

| | | | | | | | | | | | |
|--------|-------------|---------|---------|--------|-------|-------|-------|--------|--------|--------|--------------------------------|
| 301 | 0.794(0.1) | 2.636 | 5878.3 | 1779.7 | 98.94 | 198.0 | 0.790 | 0.0014 | 0.0011 | 0.0002 | modtimestep.dirtrans |
| 301 | 0.776(0.1) | 2.577 | 8143.6 | 2119.4 | 99.76 | 254.0 | 0.775 | 0.0002 | 0.0002 | 0.0000 | specdynamics.uvtodz |
| 57792 | 0.748(0.1) | 0.013 | 5328.7 | 2604.6 | 98.56 | 195.3 | 0.600 | 0.0020 | 0.0100 | 0.0000 | radiation.coszmed |
| 57792 | 0.724(0.1) | 0.013 | 7977.5 | 4288.5 | 99.45 | 192.0 | 0.665 | 0.0329 | 0.0000 | 0.0000 | griddynamics.metric |
| 110094 | 0.679(0.1) | 0.006 | 3216.7 | 949.1 | 97.92 | 126.1 | 0.504 | 0.0531 | 0.0349 | 0.0014 | surface.rbrd |
| 599 | 0.668(0.1) | 1.116 | 4981.9 | 0.0 | 99.60 | 252.6 | 0.665 | 0.0012 | 0.0011 | 0.1831 | transform.withdrawspectral |
| 1 | 0.637(0.1) | 637.040 | 252.3 | 161.4 | 3.00 | 182.3 | 0.001 | 0.0000 | 0.0000 | 0.0000 | convection.initmstad2 |
| 891 | 0.617(0.1) | 0.693 | 3746.7 | 374.7 | 97.47 | 141.8 | 0.586 | 0.0000 | 0.0042 | 0.0144 | utils.iminv |
| 55047 | 0.581(0.1) | 0.011 | 77.5 | 0.0 | 0.00 | 0.0 | 0.000 | 0.2821 | 0.1260 | 0.0000 | surface.pbl |
| 301 | 0.577(0.1) | 1.918 | 10376.6 | 2409.9 | 99.86 | 254.0 | 0.577 | 0.0002 | 0.0001 | 0.0000 | specdynamics.dztouv |
| 55047 | 0.562(0.1) | 0.010 | 2199.8 | 751.5 | 95.64 | 122.1 | 0.270 | 0.1221 | 0.0253 | 0.0000 | surface.update |
| 602 | 0.496(0.1) | 0.823 | 7322.5 | 2245.6 | 99.67 | 254.0 | 0.495 | 0.0003 | 0.0001 | 0.0000 | specdynamics.gozrim2d |
| 134016 | 0.411(0.1) | 0.003 | 174.1 | 48.6 | 0.00 | 0.0 | 0.000 | 0.1541 | 0.0557 | 0.0000 | radiation.radtim |
| 57792 | 0.408(0.1) | 0.007 | 456.5 | 0.0 | 74.29 | 13.0 | 0.243 | 0.0673 | 0.0685 | 0.0000 | surface.copysurfacedata |
| 57792 | 0.347(0.0) | 0.006 | 6073.9 | 3710.1 | 99.00 | 192.0 | 0.233 | 0.0522 | 0.0186 | 0.0000 | diagnostics.pwater |
| 2277 | 0.340(0.0) | 0.149 | 3142.4 | 991.8 | 97.01 | 180.2 | 0.238 | 0.0000 | 0.0044 | 0.0097 | nonlinearnmi.horiz2 |
| 298 | 0.337(0.0) | 1.130 | 10538.9 | 4745.8 | 99.75 | 254.0 | 0.334 | 0.0010 | 0.0011 | 0.0000 | specdynamics.impldifu |
| 55047 | 0.336(0.0) | 0.006 | 2597.9 | 844.1 | 96.60 | 122.1 | 0.219 | 0.0609 | 0.0082 | 0.0000 | surface.raduse |
| 55047 | 0.244(0.0) | 0.004 | 2129.0 | 597.7 | 97.52 | 122.1 | 0.095 | 0.0365 | 0.0643 | 0.0009 | surface.airmod |
| 301 | 0.172(0.0) | 0.570 | 7592.9 | 4010.0 | 99.38 | 193.1 | 0.160 | 0.0024 | 0.0014 | 0.0001 | modtimestep.backtrans |
| 298 | 0.165(0.0) | 0.553 | 7827.1 | 4135.2 | 99.41 | 193.1 | 0.159 | 0.0007 | 0.0006 | 0.0000 | modtimestep.humidbacktrans |
| 57792 | 0.147(0.0) | 0.003 | 62.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0339 | 0.0201 | 0.0000 | planboundlayer.ympbll |
| 230881 | 0.102(0.0) | 0.000 | 40.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0279 | 0.0000 | gridhistory.isgridhistoryon |
| 9 | 0.068(0.0) | 7.533 | 767.7 | 139.6 | 67.39 | 215.2 | 0.004 | 0.0015 | 0.0214 | 0.0063 | inputoutput.getsbc |
| 1 | 0.058(0.0) | 57.970 | 5273.6 | 2809.2 | 99.16 | 254.0 | 0.035 | 0.0123 | 0.0057 | 0.0000 | nonlinearnmi.nlnmi |
| 1 | 0.042(0.0) | 41.887 | 2422.0 | 368.5 | 93.82 | 202.3 | 0.026 | 0.0002 | 0.0008 | 0.0000 | surface.sibwet |
| 56 | 0.024(0.0) | 0.431 | 2174.5 | 0.0 | 97.49 | 254.6 | 0.010 | 0.0079 | 0.0044 | 0.0000 | iolowlevel.writefield82d |
| 1200 | 0.024(0.0) | 0.020 | 118.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0034 | 0.0019 | 0.0000 | transform.destroy |
| 1 | 0.022(0.0) | 22.321 | 7036.2 | 0.0 | 98.44 | 256.0 | 0.022 | 0.0001 | 0.0003 | 0.0000 | fieldsdynamics.initfields |
| 4804 | 0.021(0.0) | 0.004 | 165.0 | 0.0 | 12.36 | 19.3 | 0.002 | 0.0045 | 0.0024 | 0.0000 | transform.deposit2d |
| 759 | 0.016(0.0) | 0.021 | 91.4 | 0.3 | 28.78 | 93.1 | 0.000 | 0.0081 | 0.0036 | 0.0000 | nonlinearnmi.getperg |
| 303 | 0.014(0.0) | 0.046 | 4662.2 | 1425.4 | 99.36 | 254.0 | 0.014 | 0.0001 | 0.0001 | 0.0000 | specdynamics.gozrimld |
| 72 | 0.013(0.0) | 0.184 | 3689.2 | 0.0 | 97.95 | 192.0 | 0.012 | 0.0000 | 0.0001 | 0.0000 | utils.ibjbtolj_r |
| 1 | 0.011(0.0) | 10.725 | 3761.6 | 0.8 | 97.49 | 253.9 | 0.006 | 0.0019 | 0.0015 | 0.0001 | model |
| 599 | 0.008(0.0) | 0.014 | 64.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0034 | 0.0016 | 0.0000 | transform.dogridtospec |
| 9503 | 0.008(0.0) | 0.001 | 85.6 | 5.9 | 0.00 | 0.0 | 0.000 | 0.0019 | 0.0022 | 0.0000 | utils.tmstp2 |
| 46 | 0.007(0.0) | 0.145 | 4168.7 | 0.0 | 97.70 | 192.0 | 0.007 | 0.0000 | 0.0001 | 0.0000 | utils.ijtoibjb_r |
| 1205 | 0.007(0.0) | 0.006 | 113.4 | 0.0 | 9.59 | 13.3 | 0.001 | 0.0022 | 0.0010 | 0.0000 | transform.depositld |
| 1 | 0.007(0.0) | 6.520 | 5985.3 | 0.3 | 98.25 | 255.8 | 0.005 | 0.0002 | 0.0006 | 0.0000 | fieldsphysics.initfieldsphyscs |
| 9319 | 0.006(0.0) | 0.001 | 33.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0021 | 0.0013 | 0.0000 | sizes.threaddecomp |
| 1 | 0.006(0.0) | 6.378 | 312.3 | 0.4 | 3.49 | 65.3 | 0.000 | 0.0005 | 0.0003 | 0.0000 | inputoutput.ininputoutput |
| 22 | 0.006(0.0) | 0.273 | 4701.9 | 1451.5 | 98.36 | 219.9 | 0.004 | 0.0009 | 0.0003 | 0.0000 | diagnostics.globme |
| 3 | 0.006(0.0) | 1.923 | 235.3 | 15.6 | 24.12 | 40.5 | 0.000 | 0.0004 | 0.0006 | 0.0000 | diagnostics.rmsgt |
| 601 | 0.006(0.0) | 0.009 | 79.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0018 | 0.0016 | 0.0000 | transform.invffttrans |
| 3 | 0.006(0.0) | 1.894 | 621.3 | 0.0 | 78.76 | 32.1 | 0.003 | 0.0000 | 0.0003 | 0.0003 | nonlinearnmi.horiz1 |
| 599 | 0.006(0.0) | 0.009 | 80.9 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0020 | 0.0014 | 0.0000 | transform.dirffttrans |
| 1 | 0.006(0.0) | 5.557 | 164.3 | 1.3 | 3.56 | 13.6 | 0.000 | 0.0013 | 0.0003 | 0.0000 | diagnostics.writediagnosics |
| 2600 | 0.005(0.0) | 0.002 | 229.9 | 84.3 | 0.00 | 0.0 | 0.000 | 0.0010 | 0.0000 | 0.0000 | surface.extrak |
| 116 | 0.005(0.0) | 0.042 | 1200.1 | 0.1 | 96.21 | 254.0 | 0.001 | 0.0024 | 0.0012 | 0.0000 | iolowlevel.readfield81d |
| 24 | 0.005(0.0) | 0.198 | 4583.6 | 0.0 | 98.14 | 184.7 | 0.005 | 0.0000 | 0.0000 | 0.0000 | diagnostics.reord |
| 4 | 0.004(0.0) | 1.118 | 1265.8 | 0.1 | 96.48 | 254.0 | 0.001 | 0.0022 | 0.0011 | 0.0000 | iolowlevel.readfield82d |
| 44 | 0.004(0.0) | 0.096 | 3348.3 | 0.0 | 98.07 | 255.9 | 0.003 | 0.0008 | 0.0005 | 0.0000 | iolowlevel.writefield81d |
| 54 | 0.004(0.0) | 0.075 | 3101.8 | 0.1 | 95.68 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readsst8 |
| 54 | 0.004(0.0) | 0.074 | 2124.7 | 0.1 | 93.53 | 192.0 | 0.002 | 0.0012 | 0.0006 | 0.0000 | iolowlevel.readslm8 |
| 1 | 0.004(0.0) | 3.759 | 4519.8 | 1629.0 | 99.10 | 192.7 | 0.003 | 0.0000 | 0.0001 | 0.0001 | utils.creategridvalues |
| 47 | 0.004(0.0) | 0.076 | 2247.9 | 1060.3 | 95.61 | 99.8 | 0.003 | 0.0000 | 0.0000 | 0.0000 | utils.legpol |

| | | | | | | | | | | | |
|------|-------------|-------|---------|--------|-------|-------|-------|--------|--------|--------|-----------------------------------|
| 4 | 0.004(0.0) | 0.889 | 185.6 | 1.4 | 0.27 | 4.6 | 0.000 | 0.0005 | 0.0001 | 0.0000 | iolowlevel.writedir8 |
| 1 | 0.003(0.0) | 3.089 | 2934.4 | 0.1 | 93.02 | 250.7 | 0.001 | 0.0002 | 0.0003 | 0.0000 | communications.init_mpi |
| 7 | 0.003(0.0) | 0.398 | 1781.8 | 623.1 | 82.89 | 27.9 | 0.002 | 0.0000 | 0.0000 | 0.0000 | specdynamics.bmcm |
| 1 | 0.003(0.0) | 2.612 | 154.1 | 3.4 | 3.71 | 34.7 | 0.000 | 0.0004 | 0.0006 | 0.0000 | surface.vegin |
| 1204 | 0.003(0.0) | 0.002 | 151.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | transform.depdlg2d |
| 6 | 0.002(0.0) | 0.416 | 7204.6 | 0.0 | 98.46 | 256.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.rsdiag |
| 1 | 0.002(0.0) | 2.365 | 2273.4 | 356.2 | 91.08 | 86.5 | 0.002 | 0.0000 | 0.0001 | 0.0000 | transform.initttransform |
| 40 | 0.002(0.0) | 0.051 | 3352.4 | 0.0 | 85.73 | 192.0 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.getgau |
| 1 | 0.002(0.0) | 1.994 | 3318.5 | 1637.1 | 96.75 | 95.3 | 0.002 | 0.0000 | 0.0000 | 0.0000 | utils.createassoclegfunc |
| 3604 | 0.002(0.0) | 0.001 | 72.6 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0002 | 0.0000 | utils.nobankconflicts |
| 12 | 0.002(0.0) | 0.142 | 13316.7 | 6496.9 | 99.47 | 249.8 | 0.002 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr2d |
| 40 | 0.002(0.0) | 0.042 | 5309.8 | 1746.4 | 98.67 | 256.0 | 0.001 | 0.0001 | 0.0000 | 0.0000 | inputoutput.scloutgr |
| 4 | 0.002(0.0) | 0.420 | 2976.2 | 0.0 | 94.38 | 191.6 | 0.001 | 0.0002 | 0.0001 | 0.0000 | diagnostics.wrprog |
| 1 | 0.002(0.0) | 1.633 | 149.3 | 0.1 | 2.01 | 45.4 | 0.000 | 0.0004 | 0.0002 | 0.0000 | options.coldwarm |
| 4 | 0.001(0.0) | 0.372 | 91.1 | 0.1 | 2.60 | 53.4 | 0.000 | 0.0006 | 0.0004 | 0.0000 | diagnostics.opnfct |
| 1 | 0.001(0.0) | 1.463 | 3855.2 | 118.1 | 97.01 | 199.2 | 0.001 | 0.0001 | 0.0001 | 0.0000 | fieldsphysics.initboundcond |
| 2 | 0.001(0.0) | 0.655 | 4608.2 | 0.2 | 97.66 | 254.5 | 0.001 | 0.0001 | 0.0001 | 0.0000 | diagnostics.wridia |
| 298 | 0.001(0.0) | 0.004 | 50.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0003 | 0.0003 | 0.0000 | modtimestep.humiditrans |
| 1 | 0.001(0.0) | 1.141 | 237.0 | 0.7 | 0.11 | 71.5 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.inittnamodel |
| 1 | 0.001(0.0) | 1.127 | 212.5 | 7.8 | 6.79 | 21.7 | 0.000 | 0.0001 | 0.0001 | 0.0000 | planboundlayer.initplanboundlayer |
| 2 | 0.001(0.0) | 0.547 | 118.5 | 1.7 | 0.65 | 19.3 | 0.000 | 0.0004 | 0.0002 | 0.0000 | inputoutput.gread4 |
| 6 | 0.001(0.0) | 0.166 | 5167.8 | 1591.1 | 99.50 | 250.7 | 0.001 | 0.0000 | 0.0000 | 0.0002 | nonlinearnmi.primes |
| 288 | 0.001(0.0) | 0.003 | 65.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0003 | 0.0000 | diagnostics.accpf |
| 1 | 0.001(0.0) | 0.960 | 6255.6 | 0.1 | 98.24 | 255.8 | 0.001 | 0.0000 | 0.0000 | 0.0000 | diagnostics.setdia |
| 62 | 0.001(0.0) | 0.014 | 8587.5 | 3652.9 | 99.25 | 256.0 | 0.001 | 0.0000 | 0.0001 | 0.0000 | inputoutput.cnvray |
| 303 | 0.001(0.0) | 0.003 | 102.8 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0002 | 0.0000 | transform.depdlg1d |
| 2 | 0.001(0.0) | 0.349 | 4592.0 | 428.2 | 97.86 | 198.6 | 0.001 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.initsurftemp |
| 1 | 0.001(0.0) | 0.648 | 277.0 | 0.6 | 18.75 | 238.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | options.initresst |
| 287 | 0.001(0.0) | 0.002 | 58.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0002 | 0.0001 | 0.0000 | fieldsphysics.initgetsbc |
| 1 | 0.001(0.0) | 0.630 | 2186.1 | 64.3 | 95.89 | 75.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittztouv |
| 1 | 0.001(0.0) | 0.554 | 3624.6 | 0.1 | 93.98 | 212.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerothersizes |
| 1 | 0.000(0.0) | 0.494 | 2001.4 | 32.7 | 95.24 | 76.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittvtodz |
| 2 | 0.000(0.0) | 0.243 | 2489.0 | 0.0 | 97.47 | 192.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | iolowlevel.readnftgz4 |
| 1 | 0.000(0.0) | 0.429 | 1818.3 | 37.6 | 95.27 | 60.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittgozrim |
| 288 | 0.000(0.0) | 0.001 | 100.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | diagnostics.prec_diag |
| 1 | 0.000(0.0) | 0.384 | 4014.5 | 1185.2 | 98.16 | 255.9 | 0.000 | 0.0001 | 0.0000 | 0.0000 | nonlinearnmi.diaten |
| 1 | 0.000(0.0) | 0.261 | 3149.5 | 0.2 | 94.34 | 127.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.mpimappings |
| 287 | 0.000(0.0) | 0.001 | 57.8 | 9.0 | 0.00 | 0.0 | 0.000 | 0.0001 | 0.0001 | 0.0000 | inputoutput.willgetsbc |
| 98 | 0.000(0.0) | 0.003 | 160.7 | 10.4 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.nextsizefft |
| 1 | 0.000(0.0) | 0.241 | 2024.2 | 68.2 | 95.22 | 151.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittmpldifu |
| 1 | 0.000(0.0) | 0.227 | 1007.0 | 136.6 | 88.68 | 99.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.legpolroots |
| 1 | 0.000(0.0) | 0.218 | 131.4 | 0.2 | 1.37 | 19.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | sizes.dumpsizes |
| 1 | 0.000(0.0) | 0.207 | 141.2 | 0.2 | 5.12 | 44.1 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setsst |
| 1 | 0.000(0.0) | 0.196 | 6880.6 | 0.0 | 98.40 | 256.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.inittcheckfile |
| 1 | 0.000(0.0) | 0.188 | 1248.3 | 0.1 | 94.33 | 254.6 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.readlandseamask2_8 |
| 1 | 0.000(0.0) | 0.171 | 3379.7 | 0.1 | 95.67 | 167.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.registerbasicsizes |
| 1 | 0.000(0.0) | 0.160 | 3997.2 | 0.2 | 97.21 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.inittgridhistory |
| 1 | 0.000(0.0) | 0.148 | 3310.5 | 893.2 | 99.49 | 250.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.reset_epsilon_to_local |
| 1 | 0.000(0.0) | 0.145 | 4165.0 | 0.0 | 97.70 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.ijtoibjb_i |
| 1 | 0.000(0.0) | 0.118 | 2495.1 | 380.2 | 95.46 | 79.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.inittsemiimpl |
| 1 | 0.000(0.0) | 0.118 | 95.8 | 0.0 | 2.74 | 51.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | fieldsphysics.inittvariancia |
| 4 | 0.000(0.0) | 0.027 | 50.5 | 0.0 | 1.16 | 4.0 | 0.000 | 0.0001 | 0.0000 | 0.0000 | iolowlevel.writeproghead8 |
| 1 | 0.000(0.0) | 0.096 | 129.4 | 0.3 | 6.84 | 94.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.initall |
| 1 | 0.000(0.0) | 0.096 | 2355.6 | 0.1 | 97.79 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readvar8 |
| 1 | 0.000(0.0) | 0.094 | 151.9 | 2.3 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | nonlinearnmi.setmods |
| 2 | 0.000(0.0) | 0.045 | 89.7 | 0.5 | 8.20 | 14.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead4 |

| | | | | | | | | | | | |
|---|-------------|-------|--------|--------|-------|-------|-------|--------|--------|--------|----------------------------------|
| 1 | 0.000(0.0) | 0.076 | 3038.6 | 0.1 | 95.65 | 192.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readsnw8 |
| 1 | 0.000(0.0) | 0.071 | 253.7 | 0.3 | 19.28 | 13.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.initreadwritspec |
| 1 | 0.000(0.0) | 0.070 | 1129.4 | 427.3 | 89.92 | 143.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.setoutput |
| 1 | 0.000(0.0) | 0.067 | 262.8 | 0.1 | 63.09 | 30.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradiation |
| 1 | 0.000(0.0) | 0.066 | 242.8 | 0.0 | 21.83 | 10.9 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.initgridhistfields |
| 1 | 0.000(0.0) | 0.052 | 318.2 | 82.3 | 69.41 | 101.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.creategaussquad |
| 2 | 0.000(0.0) | 0.025 | 5212.2 | 1934.9 | 98.99 | 254.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | modtimestep.sfcgeotrans |
| 1 | 0.000(0.0) | 0.041 | 65.6 | 0.3 | 10.11 | 17.2 | 0.000 | 0.0000 | 0.0000 | 0.0000 | iolowlevel.readhead8 |
| 1 | 0.000(0.0) | 0.040 | 492.8 | 163.0 | 78.31 | 33.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | sizes.initversizes |
| 1 | 0.000(0.0) | 0.025 | 90.1 | 0.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.inittimestamp |
| 1 | 0.000(0.0) | 0.024 | 1542.1 | 176.8 | 95.86 | 52.7 | 0.000 | 0.0000 | 0.0000 | 0.0000 | init.init_ct_cq |
| 1 | 0.000(0.0) | 0.024 | 207.2 | 21.1 | 57.51 | 42.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | convection.initconvection |
| 3 | 0.000(0.0) | 0.007 | 7238.3 | 4690.9 | 99.09 | 246.6 | 0.000 | 0.0000 | 0.0000 | 0.0000 | diagnostics.hbartr |
| 1 | 0.000(0.0) | 0.018 | 1474.9 | 602.4 | 95.80 | 147.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.trigfactors |
| 1 | 0.000(0.0) | 0.016 | 98.9 | 2.0 | 10.33 | 27.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | constants.initconstants |
| 1 | 0.000(0.0) | 0.013 | 174.8 | 0.5 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.timestamp |
| 2 | 0.000(0.0) | 0.006 | 438.7 | 23.0 | 79.18 | 102.4 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.nobankconflictv |
| 1 | 0.000(0.0) | 0.011 | 174.3 | 1.4 | 44.95 | 55.5 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.factorize |
| 1 | 0.000(0.0) | 0.010 | 68.7 | 2.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | surface.initsurface |
| 4 | 0.000(0.0) | 0.002 | 93.6 | 10.8 | 41.58 | 11.3 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.jull |
| 1 | 0.000(0.0) | 0.007 | 78.2 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.destroyassoclegfunc |
| 1 | 0.000(0.0) | 0.007 | 78.6 | 2.1 | 9.20 | 12.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.settimeoutput |
| 1 | 0.000(0.0) | 0.006 | 878.5 | 96.8 | 83.86 | 220.8 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.createlegpol |
| 1 | 0.000(0.0) | 0.005 | 89.4 | 0.0 | 16.67 | 10.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | transform.createfft |
| 1 | 0.000(0.0) | 0.005 | 123.6 | 0.0 | 37.02 | 56.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | options.initblkdat |
| 1 | 0.000(0.0) | 0.004 | 92.3 | 1.1 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | specdynamics.initfiltidiss |
| 1 | 0.000(0.0) | 0.003 | 82.7 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.writegridhistorytopo |
| 1 | 0.000(0.0) | 0.002 | 152.6 | 31.0 | 58.00 | 29.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | planboundlayer.initgwdd |
| 1 | 0.000(0.0) | 0.001 | 66.5 | 7.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.caldat |
| 1 | 0.000(0.0) | 0.001 | 77.1 | 10.9 | 70.51 | 11.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initradtim |
| 1 | 0.000(0.0) | 0.001 | 81.2 | 4.6 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | utils.julday |
| 1 | 0.000(0.0) | 0.001 | 50.8 | 1.2 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initgetoz |
| 1 | 0.000(0.0) | 0.000 | 64.1 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | radiation.initspmrad |
| 1 | 0.000(0.0) | 0.000 | 53.3 | 0.0 | 0.00 | 0.0 | 0.000 | 0.0000 | 0.0000 | 0.0000 | gridhistory.turnongridhistory |

7708040 749.864(100.0) 0.097 6720.5 2978.1 99.15 190.4 675.017 18.4573 15.4790 10.2246 total

| ELAPSE | COMM.TIME | COMM.TIME | IDLE TIME | IDLE TIME | AVER.LEN | COUNT | TOTAL LEN | PROG.UNIT |
|---------|-----------|-----------|-----------|-----------|----------|-------|-----------|-----------------------|
| [sec] | [sec] | / ELAPSE | [sec] | / ELAPSE | [byte] | | [byte] | |
| 174.830 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.crunch |
| 54.633 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympbl0 |
| 48.762 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cloudy |
| 37.473 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.onepass |
| 35.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmt |
| 26.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.mmd |
| 21.603 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gwdd |
| 21.294 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.physcs |
| 19.959 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.kuolcl |
| 18.710 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.lrgscl |
| 13.347 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.shalv2 |
| 13.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.mstad2 |
| 13.106 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.clear |
| 11.334 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.grpcomp |
| 10.984 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delgeo |

| | | | | | | | | |
|--------|-------|-------|-------|-------|-----|---|-----|------------------------------|
| 10.491 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.dryphysics |
| 9.737 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositspec |
| 9.594 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.rqvirt |
| 9.476 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.gwater2 |
| 8.875 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.semiimpl |
| 8.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss0 |
| 7.930 | 0.002 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.spectofour |
| 7.326 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sflxes |
| 6.870 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.fourtospec |
| 6.355 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitfourtrans |
| 5.721 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawgrid |
| 5.171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntlax |
| 5.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep1 |
| 4.679 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwrad |
| 4.550 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldgen |
| 4.400 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joingridtrans |
| 4.344 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.radalb |
| 4.132 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.hadvec |
| 4.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.timefilterstep2 |
| 4.109 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.getperg |
| 4.038 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.lwflux |
| 3.857 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.fysiks |
| 3.673 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield82d |
| 3.631 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.gauss1 |
| 3.574 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.runoff |
| 3.523 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stres2 |
| 3.432 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vntl1 |
| 3.420 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | physicsdriver.humidphysics |
| 3.282 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.getoz |
| 3.150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.temres |
| 3.138 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.cldslw |
| 3.091 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vertint |
| 2.996 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.cut |
| 2.826 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.interc |
| 2.816 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.seasfc |
| 2.785 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.joinfourtrans |
| 2.529 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvec |
| 2.512 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depositgrid |
| 2.490 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.addtend |
| 2.420 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.vadvtmp |
| 2.388 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createspectogrid |
| 2.353 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dospectogrid |
| 2.275 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.wheat |
| 2.196 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tndtold |
| 2.185 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.spmrad |
| 2.104 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.setsw |
| 2.067 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.updia |
| 1.874 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.splitgridtrans |
| 1.849 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.swrad |
| 1.705 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.filtldiss |
| 1.559 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.opnfct |
| 1.444 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sextrp |
| 1.424 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.creategridtospec |
| 1.357 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.vertic |
| 1.221 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writefield81d |
| 1.184 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.nl1nmi |

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|-------|-------|-------|-------|-------|-----|---|-----|--------------------------------|
| 1.122 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.stomat |
| 1.100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.delwind |
| 1.098 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.timestep |
| 1.093 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.coriol |
| 1.073 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield81d |
| 1.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readfield82d |
| 1.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.nlprgr |
| 0.942 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.snowm |
| 0.916 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dellam |
| 0.867 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.omega |
| 0.823 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.root |
| 0.812 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.tmptend |
| 0.795 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.dirtrans |
| 0.776 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.uvtodz |
| 0.775 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.coszmed |
| 0.762 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readslm8 |
| 0.738 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | griddynamics.metric |
| 0.704 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.rbrd |
| 0.681 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsst8 |
| 0.669 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.withdrawspectral |
| 0.653 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.pbl |
| 0.637 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initmstad2 |
| 0.617 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.iminv |
| 0.578 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.dztouv |
| 0.574 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.update |
| 0.496 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim2d |
| 0.441 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.radtim |
| 0.420 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.copysurfacedata |
| 0.360 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.pwater |
| 0.348 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.raduse |
| 0.341 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz2 |
| 0.337 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.impldifu |
| 0.319 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.getsbc |
| 0.256 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.airmod |
| 0.198 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.ympb11 |
| 0.173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.backtrans |
| 0.165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidbacktrans |
| 0.152 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.isgridhistoryon |
| 0.111 | 0.074 | 0.670 | 0.000 | 0.000 | 0.0 | 1 | 0.0 | model |
| 0.110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readnftgz4 |
| 0.099 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.vegin |
| 0.065 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.initinputoutput |
| 0.058 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.coldwarm |
| 0.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsdynamics.initfields |
| 0.046 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initboundcond |
| 0.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.sibwet |
| 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readlandseamask2_8 |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initfieldsphyscs |
| 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.destroy |
| 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.initdiagnostics |
| 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readvar8 |
| 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit2d |
| 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readsnw8 |
| 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.invffttrans |
| 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.gozrim1d |
| 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ibjbtoij_r |

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|-------|-------|-------|-------|-------|------|----|--------|-----------------------------------|
| 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writedir8 |
| 0.011 | 0.011 | 0.980 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | communications.init_mpi |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.tmstamp2 |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initvariancia |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rmsgt |
| 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dogridtospec |
| 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.threaddecomp |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.deposit1d |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_r |
| 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.dirffttrans |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initnammodel |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.horiz1 |
| 0.006 | 0.000 | 0.055 | 0.000 | 0.000 | 3.0K | 44 | 132.0K | diagnostics.globme |
| 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.extrak |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategridvalues |
| 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.reord |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.diaten |
| 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpol |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.inittransform |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg2d |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.bmcm |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead8 |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setsst |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflicts |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createassoclegfunc |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initresset |
| 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.setdia |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.rsdiag |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.gread4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.getgau |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.readhead4 |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.scloutgr |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wrprog |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr2d |
| 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.humidirtrans |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.wridia |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initplanboundlayer |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.accpf |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initdztouv |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.primes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.mpimappings |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerothersizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.inituvtodz |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.depdlg1d |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.cnvray |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.registerbasicsizes |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initgetsbc |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initsurftemp |
| 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initgozrim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.prec_diag |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initimpldifu |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initsemiimpl |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.legpolroots |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | inputoutput.willgetsbc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.writeproghead8 |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.nextsizefft |

| | | | | | | | | |
|-------|-------|-------|-------|-------|-----|---|-----|----------------------------------|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistory |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.dumpsizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | fieldsphysics.initcheckfile |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.reset_epsilon_to_local |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.ijtoibjb_i |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | constants.initconstants |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.initall |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.creategaussquad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | nonlinearnmi.setmods |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.trigfactors |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | iolowlevel.initreadwritespec |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.setoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradiation |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.initgridhistfields |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | modtimestep.sfcgeotrans |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | sizes.initversizes |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.inittimestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | init.init_ct_cq |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | convection.initconvection |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | diagnostics.hbartr |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.timestamp |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.nobankconflictv |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.factorize |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | surface.initsurface |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.jull |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.settimeoutput |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.destroyassoclegfunc |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.createlegpol |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | transform.createfft |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | options.initblkdat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | specdynamics.initfiltldiss |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.writegridhistorytopo |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | planboundlayer.initgwdd |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.caldat |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initradtim |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | utils.julday |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initgetoz |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | radiation.initspmrad |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 0 | 0.0 | gridhistory.turnongridhistory |
