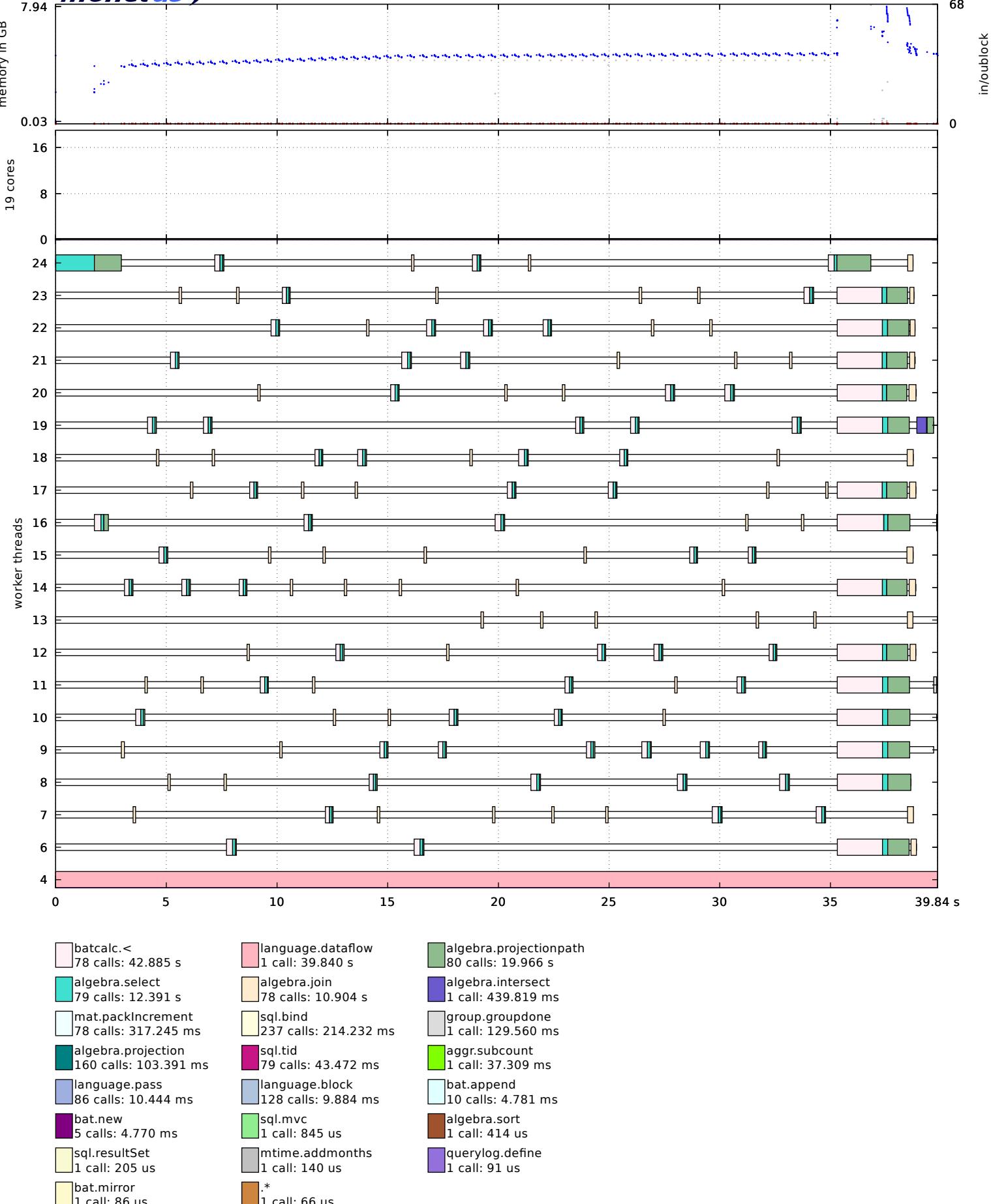
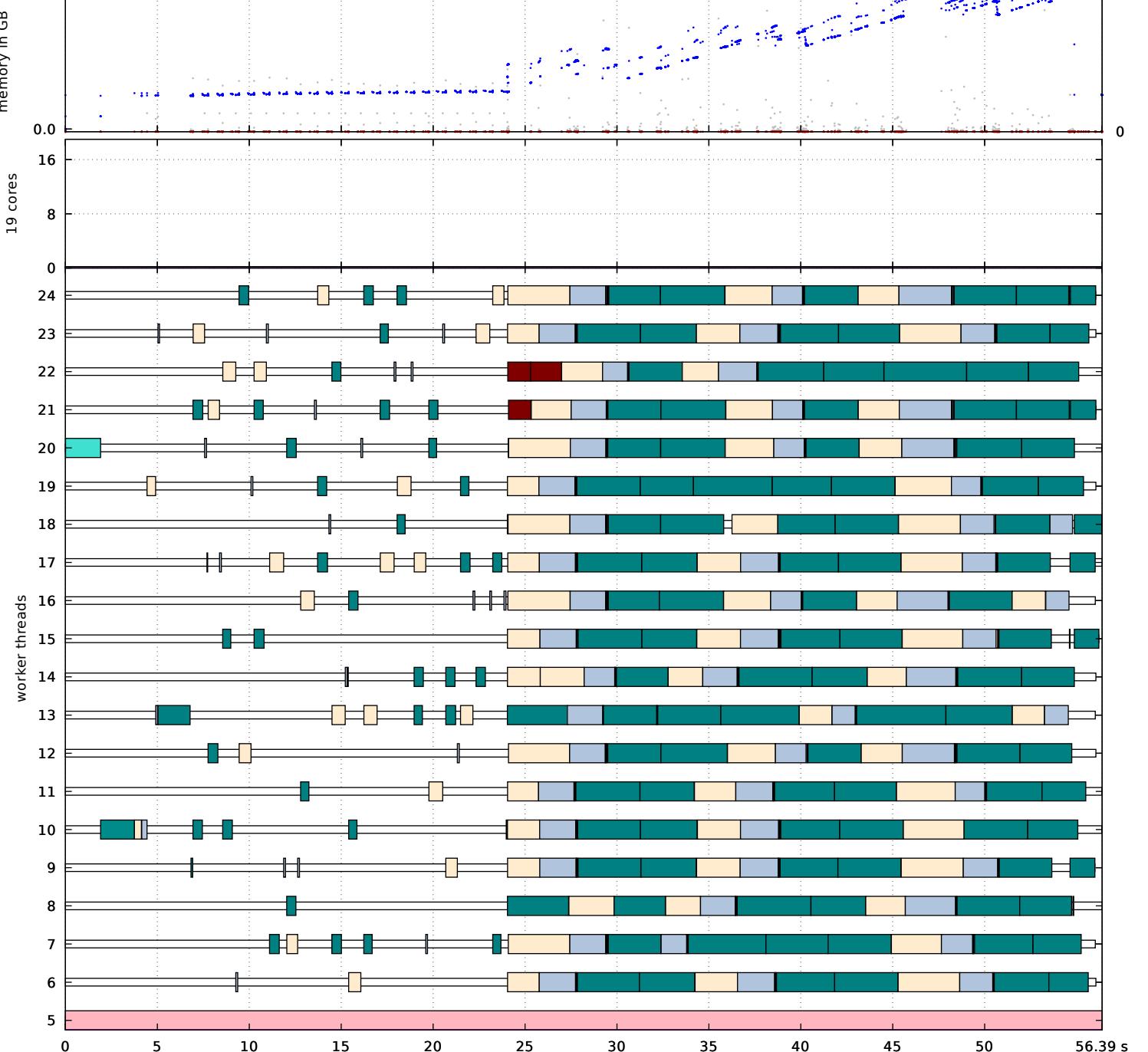
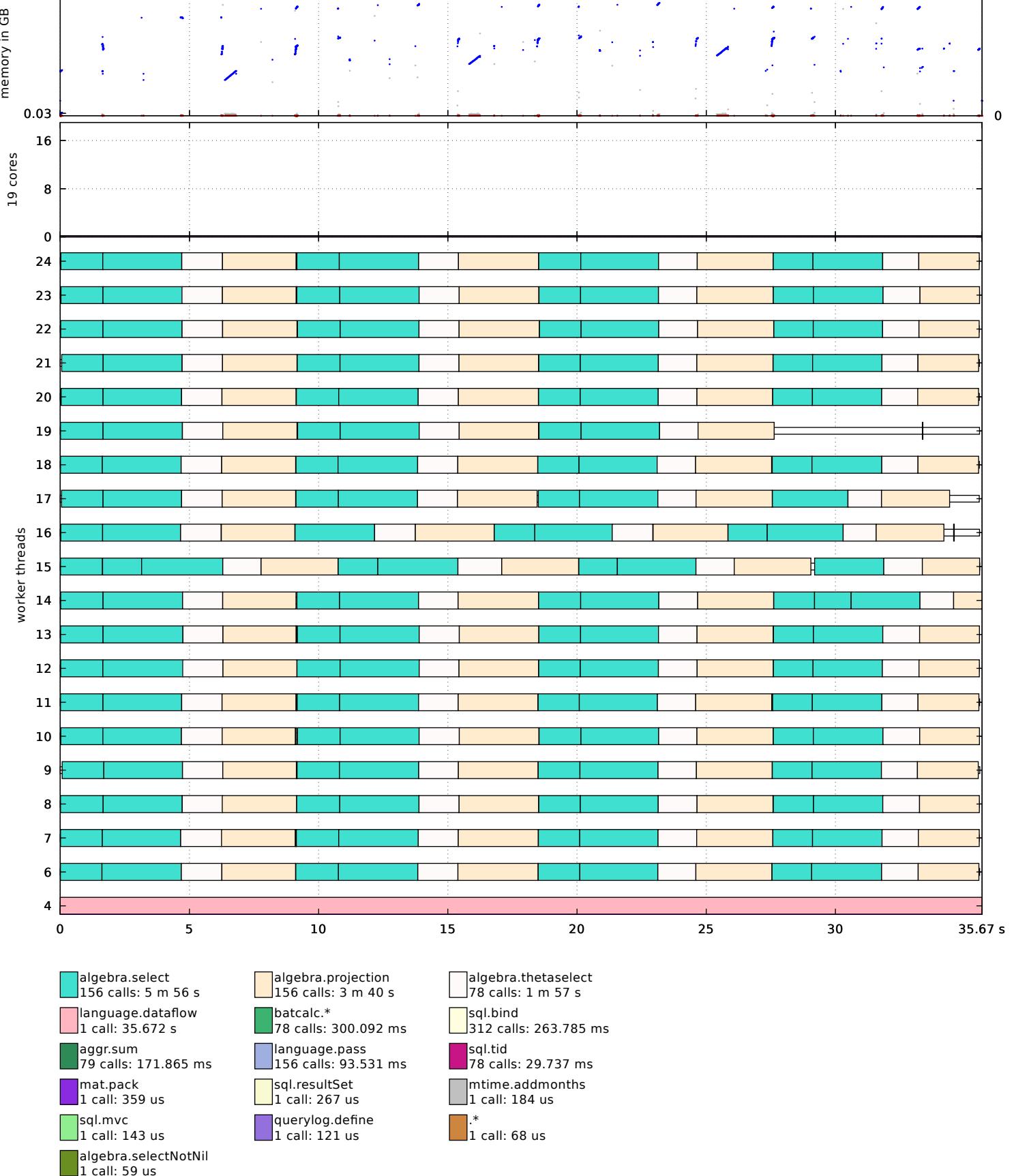


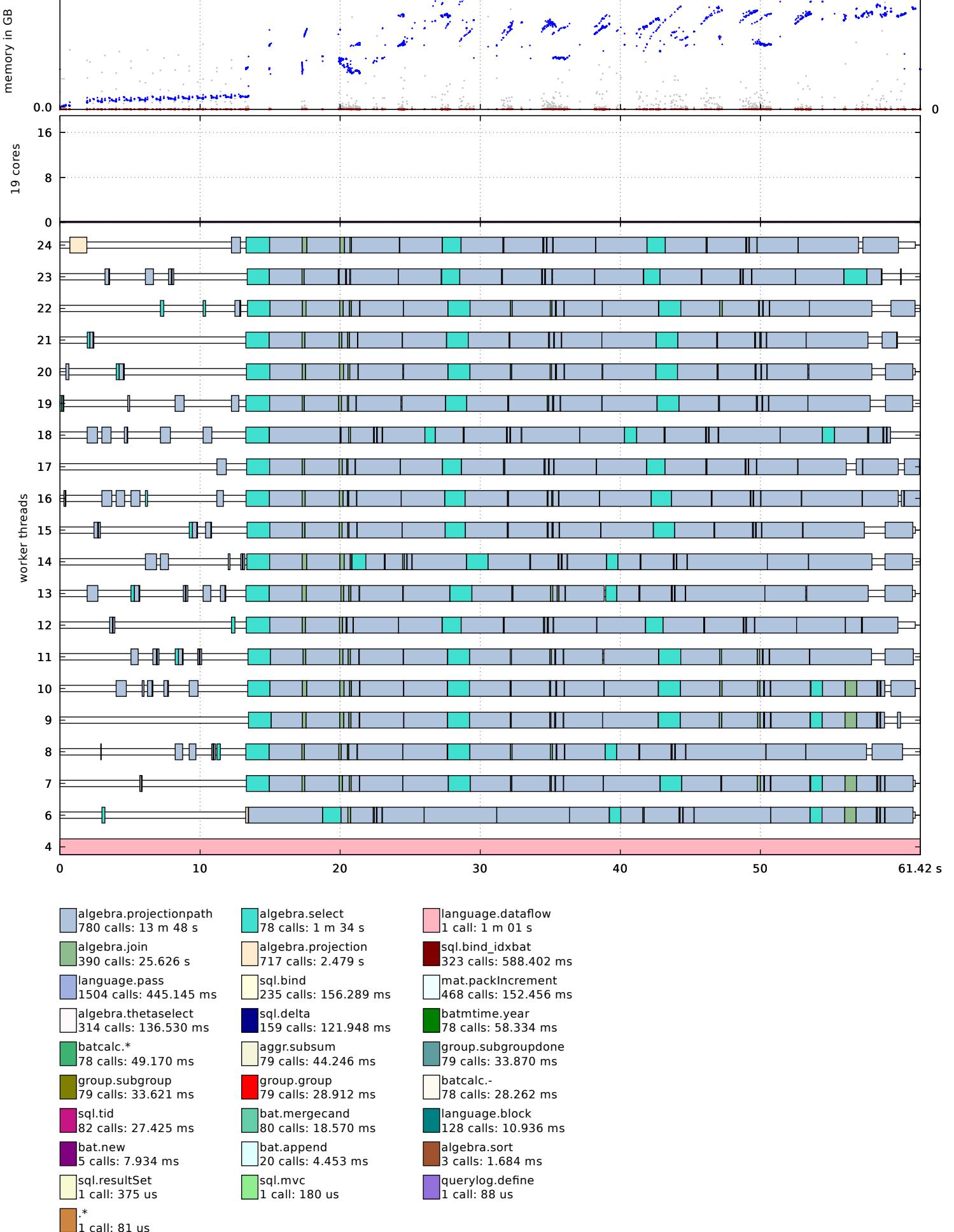
algebra.projectionpath 396 calls: 5 m 16 s	sql.projectdelta 79 calls: 1 m 37 s	language.dataflow 1 call: 1 m 19 s
algebra.thetaselect 80 calls: 1 m 02 s	algebra.join 79 calls: 38.983 s	group.subgroupdone 79 calls: 775.927 ms
algebra.projection 473 calls: 639.004 ms	mat.packIncrement 468 calls: 377.423 ms	language.pass 874 calls: 236.407 ms
aggr.subsum 79 calls: 228.924 ms	batcalc.* 78 calls: 227.621 ms	sql.bind_idxbat 160 calls: 197.828 ms
sql.bind 315 calls: 187.447 ms	group.subgroup 79 calls: 162.014 ms	group.group 79 calls: 82.778 ms
batcalc.. 78 calls: 64.968 ms	sql.tid 80 calls: 42.922 ms	algebra.firstn 2 calls: 16.420 ms
language.block 128 calls: 11.876 ms	bat.append 20 calls: 8.932 ms	bat.new 5 calls: 5.876 ms
sql.mvc 1 call: 987 us	algebra.subslice 1 call: 369 us	algebra.sort 2 calls: 351 us
sql.resultSet 1 call: 281 us	querylog.define 1 call: 95 us	.* 1 call: 67 us

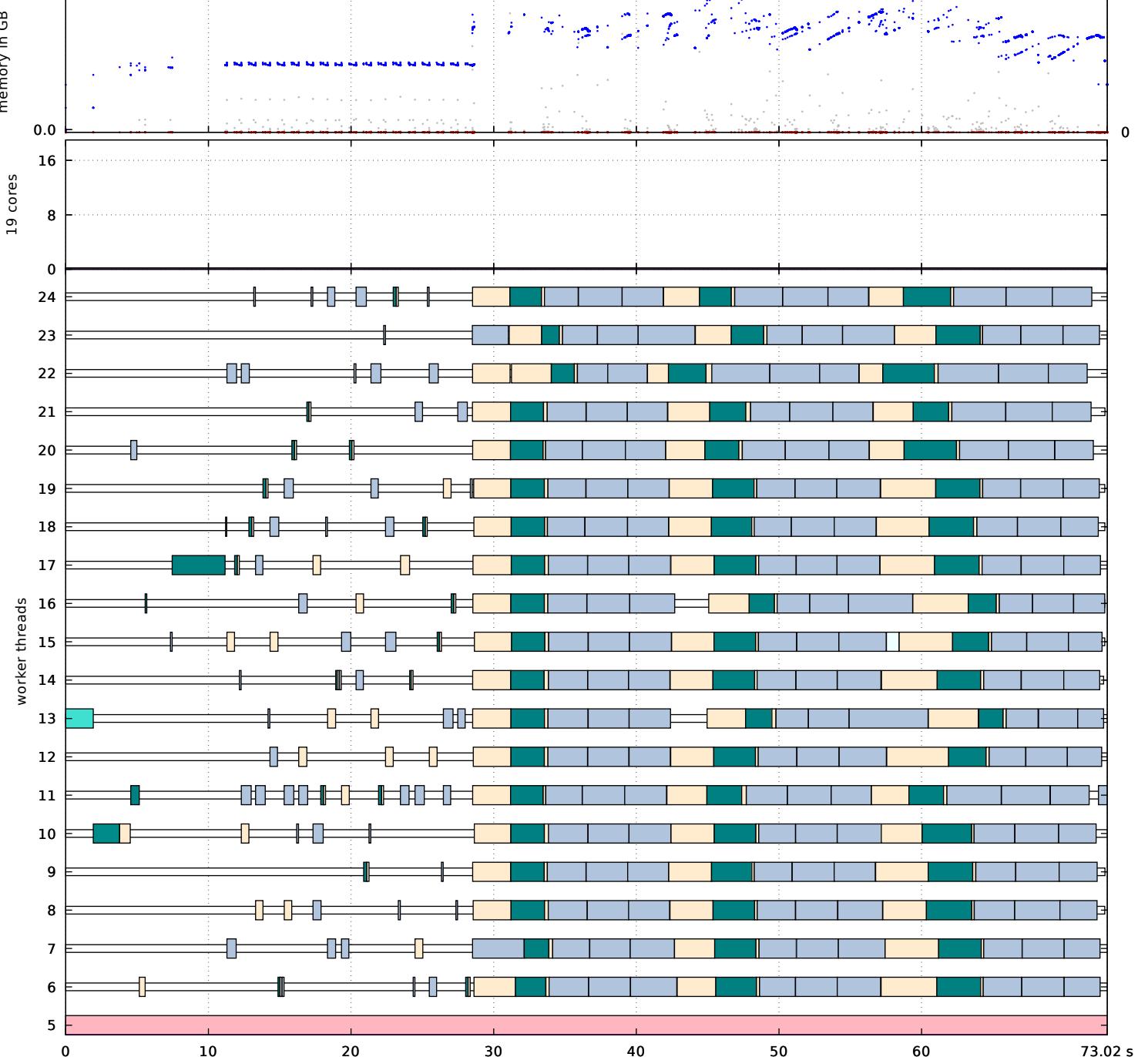


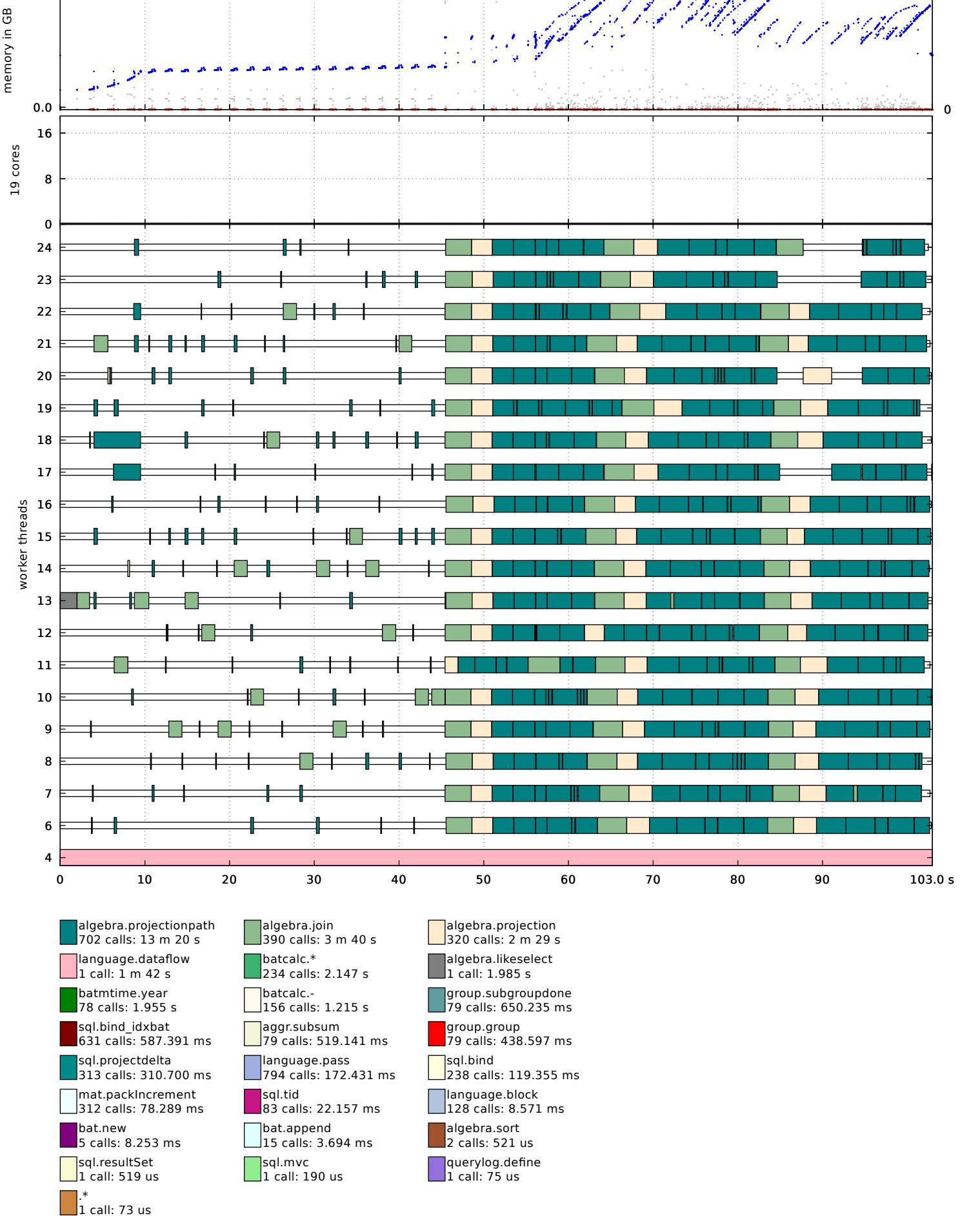


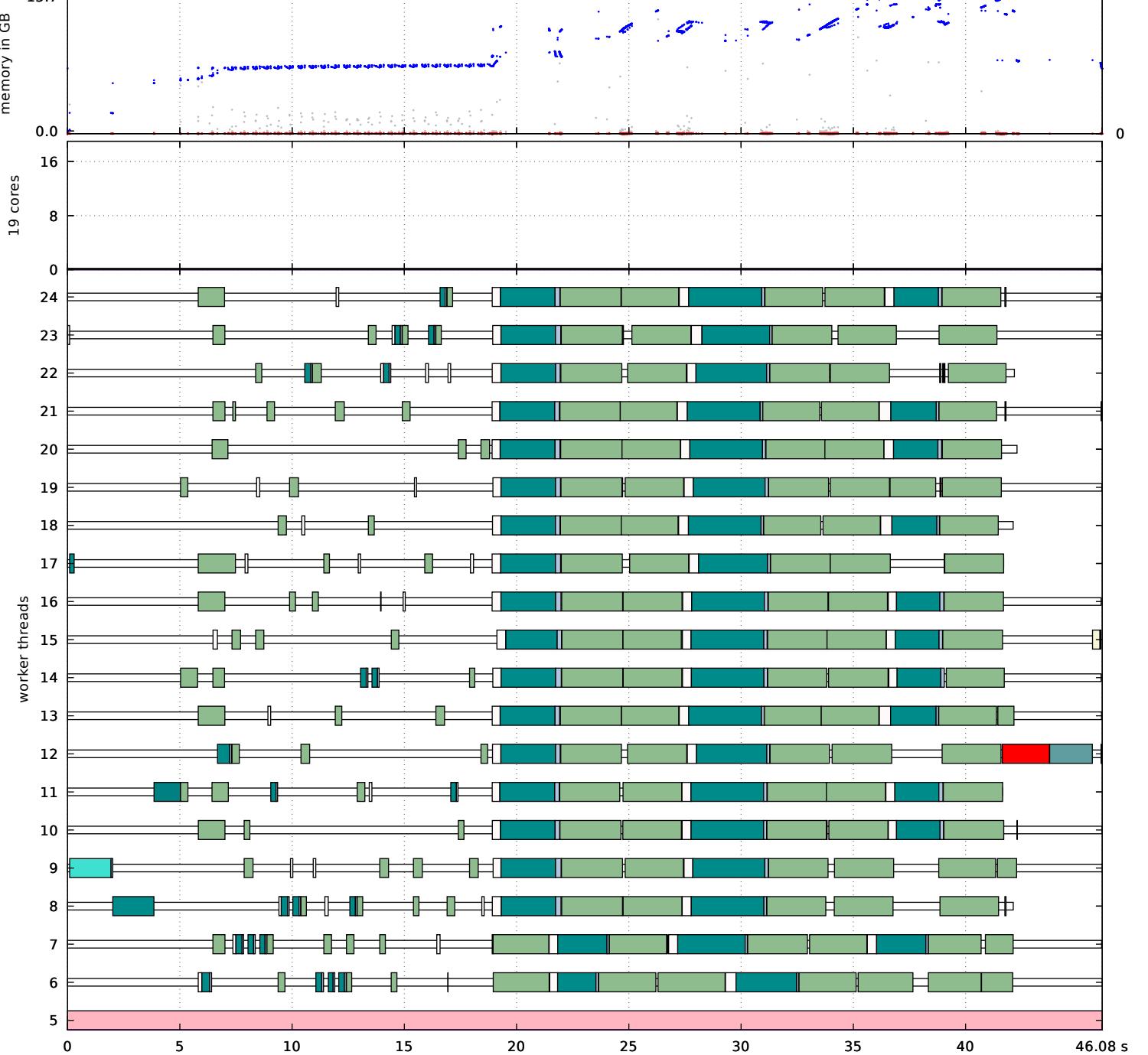
algebra.projectionpath 392 calls: 6 m 23 s	algebra.join 313 calls: 2 m 38 s	algebra.projection 394 calls: 1 m 55 s
language.dataflow 1 call: 56.385 s	sql.bind_idxbat 323 calls: 4.395 s	algebra.select 79 calls: 2.179 s
sql.projectdelta 159 calls: 1.946 s	batcalc.== 78 calls: 542.927 ms	language.pass 873 calls: 185.127 ms
sql.bind 161 calls: 66.819 ms	aggr.subsum 79 calls: 37.451 ms	group.groupdone 79 calls: 34.516 ms
batcalc.* 78 calls: 29.765 ms	batcalc.- 78 calls: 24.665 ms	sql.tid 83 calls: 24.076 ms
mat.packIncrement 156 calls: 23.671 ms	language.block 128 calls: 11.480 ms	bat.new 5 calls: 6.125 ms
bat.append 10 calls: 1.527 ms	sql.mvc 1 call: 748 us	sql.resultSet 1 call: 244 us
algebra.sort 1 call: 154 us	mtime.addmonths 1 call: 144 us	algebra.thetaselect 1 call: 135 us
querylog.define 1 call: 73 us	* 1 call: 71 us	



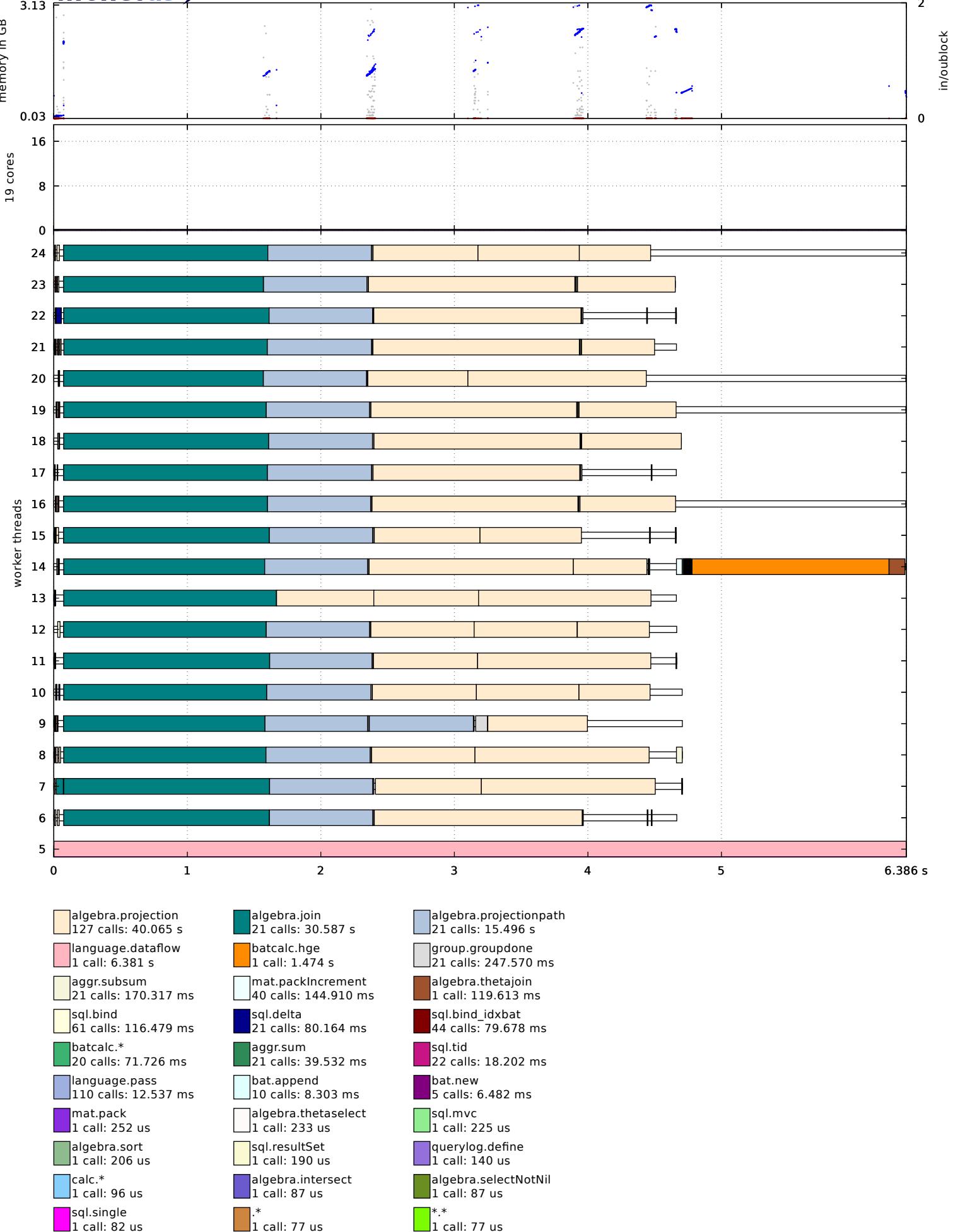


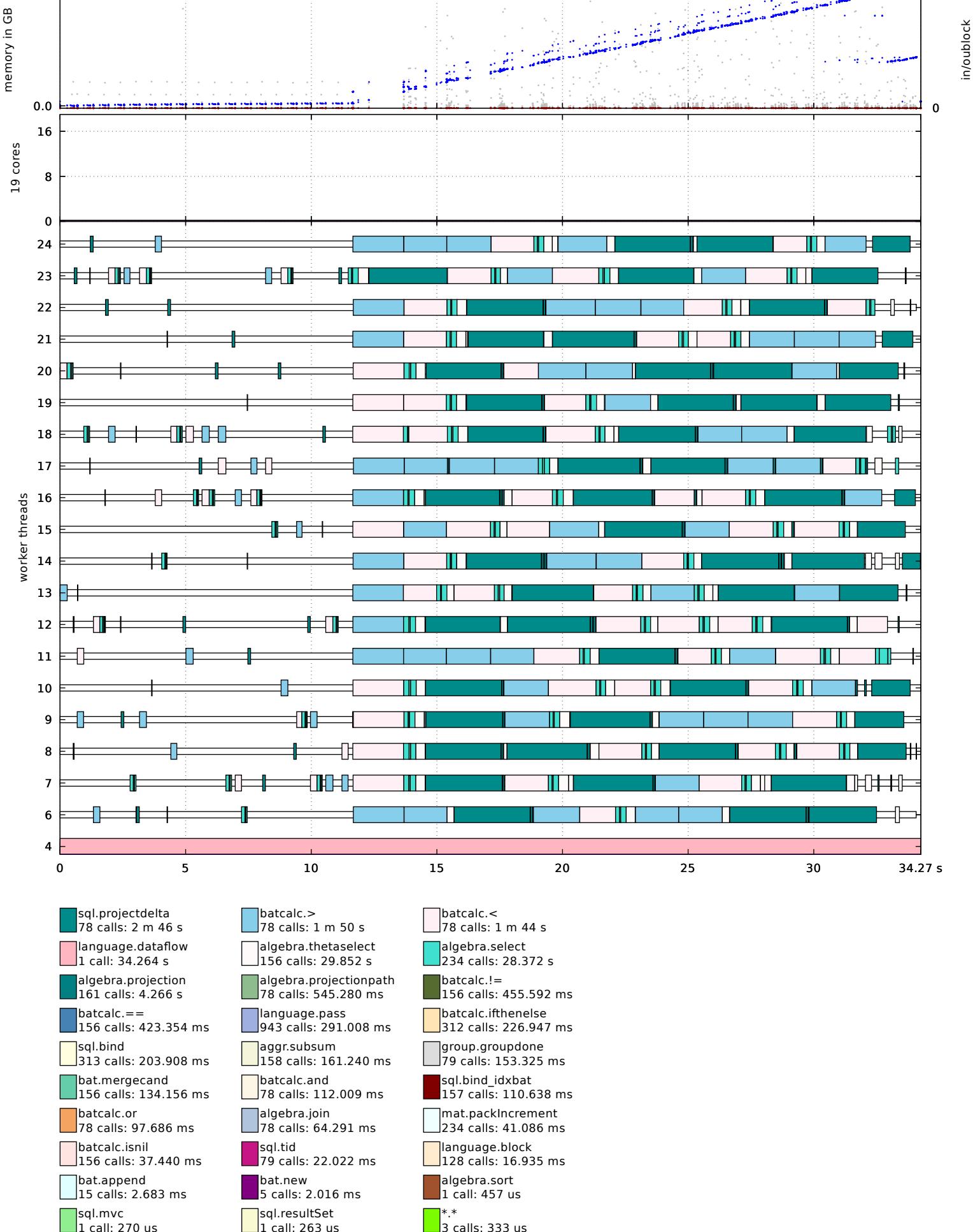


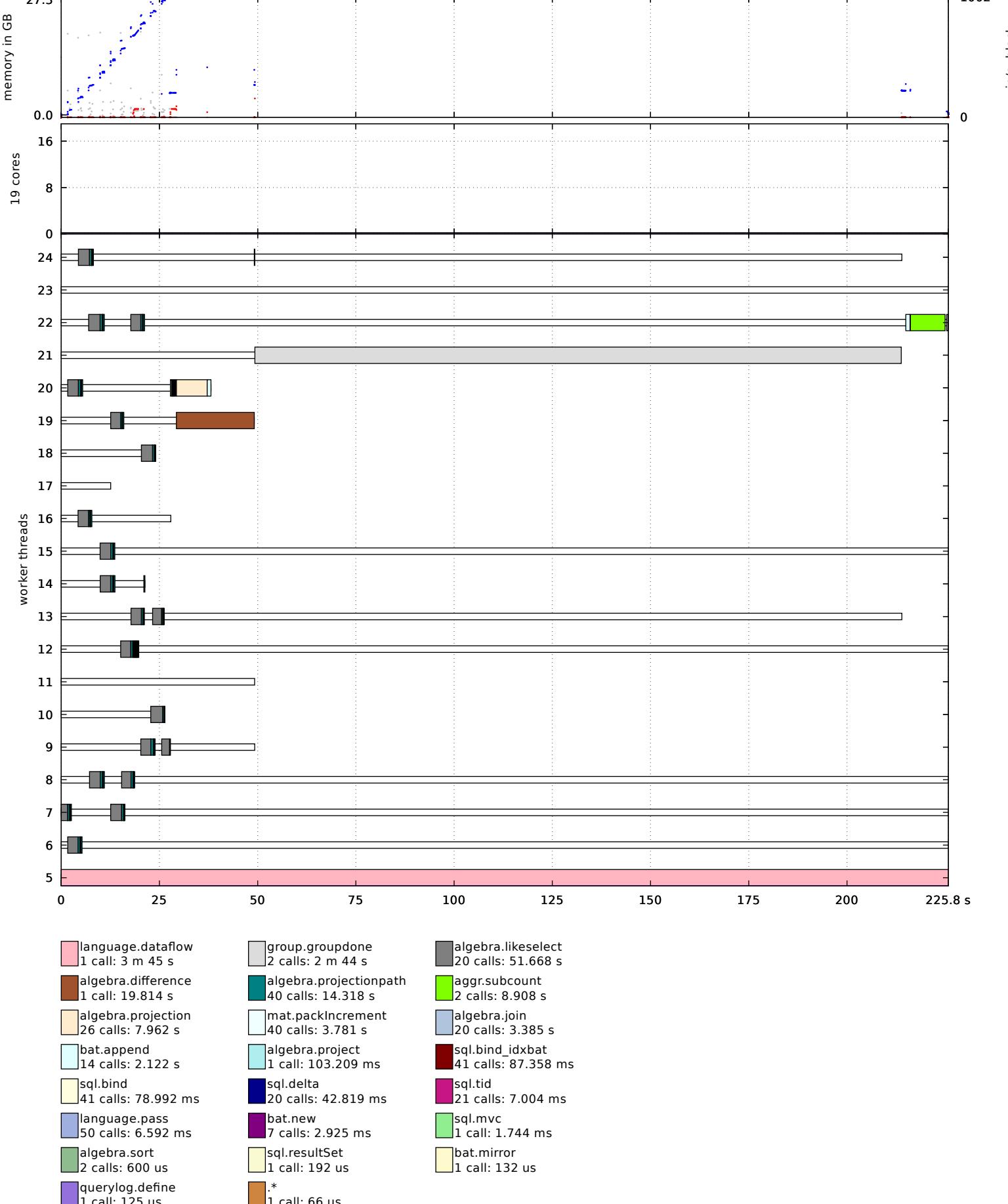


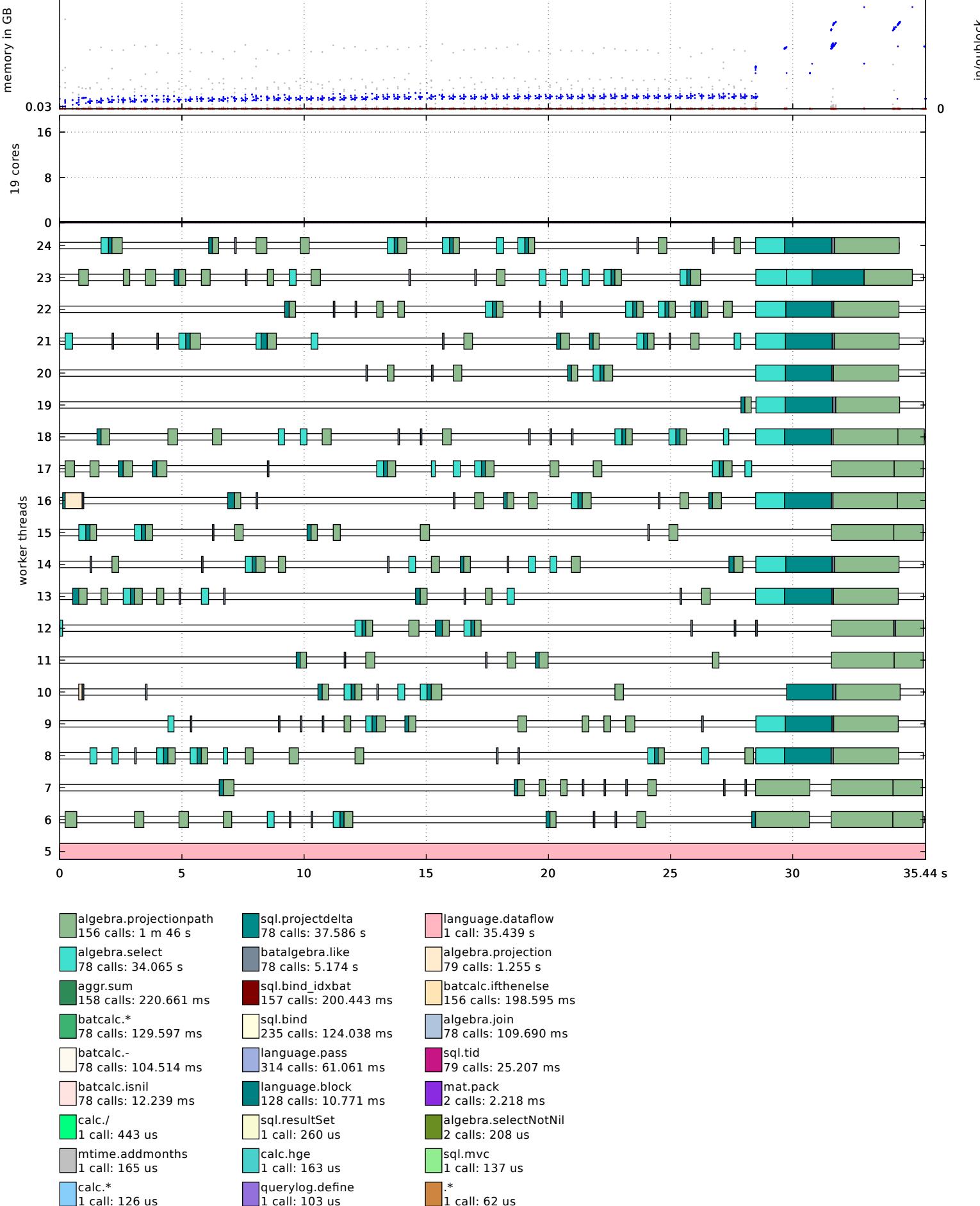


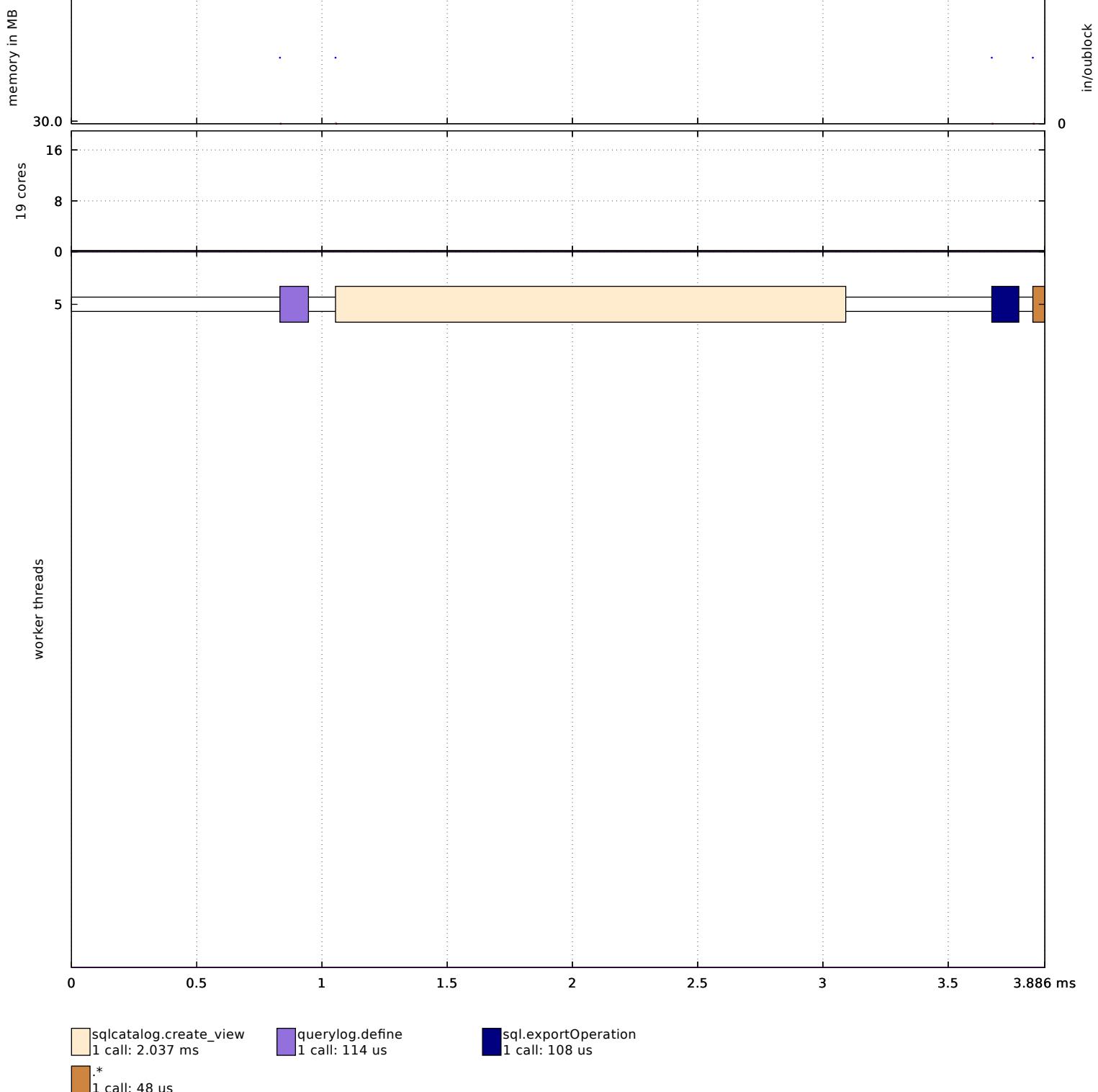
algebra.projectionpath 710 calls: 5 m 03 s	sql.projectdelta 80 calls: 2 m 23 s	language.dataflow 1 call: 46.080 s
algebra.thetaselect 78 calls: 23.953 s	algebra.join 234 calls: 10.739 s	group.group 79 calls: 3.385 s
group.subgroupdone 79 calls: 3.139 s	mat.packIncrement 702 calls: 2.484 s	algebra.projection 399 calls: 2.030 s
algebra.select 1 call: 1.844 s	aggr.subsum 79 calls: 911.533 ms	batcalc.* 78 calls: 263.799 ms
sql.bind_idxbat 163 calls: 184.914 ms	sql.bind 242 calls: 172.998 ms	language.pass 722 calls: 171.090 ms
batcalc.. 78 calls: 169.089 ms	sql.tid 81 calls: 41.746 ms	algebra.firstn 1 call: 26.842 ms
language.block 128 calls: 10.872 ms	bat.append 40 calls: 9.735 ms	bat.new 5 calls: 7.560 ms
sql.resultSet 1 call: 462 us	algebra.sort 1 call: 293 us	algebra.subslice 1 call: 272 us
sql.mvc 1 call: 150 us	mtime.addmonths 1 call: 126 us	querylog.define 1 call: 90 us
.* 1 call: 82 us		

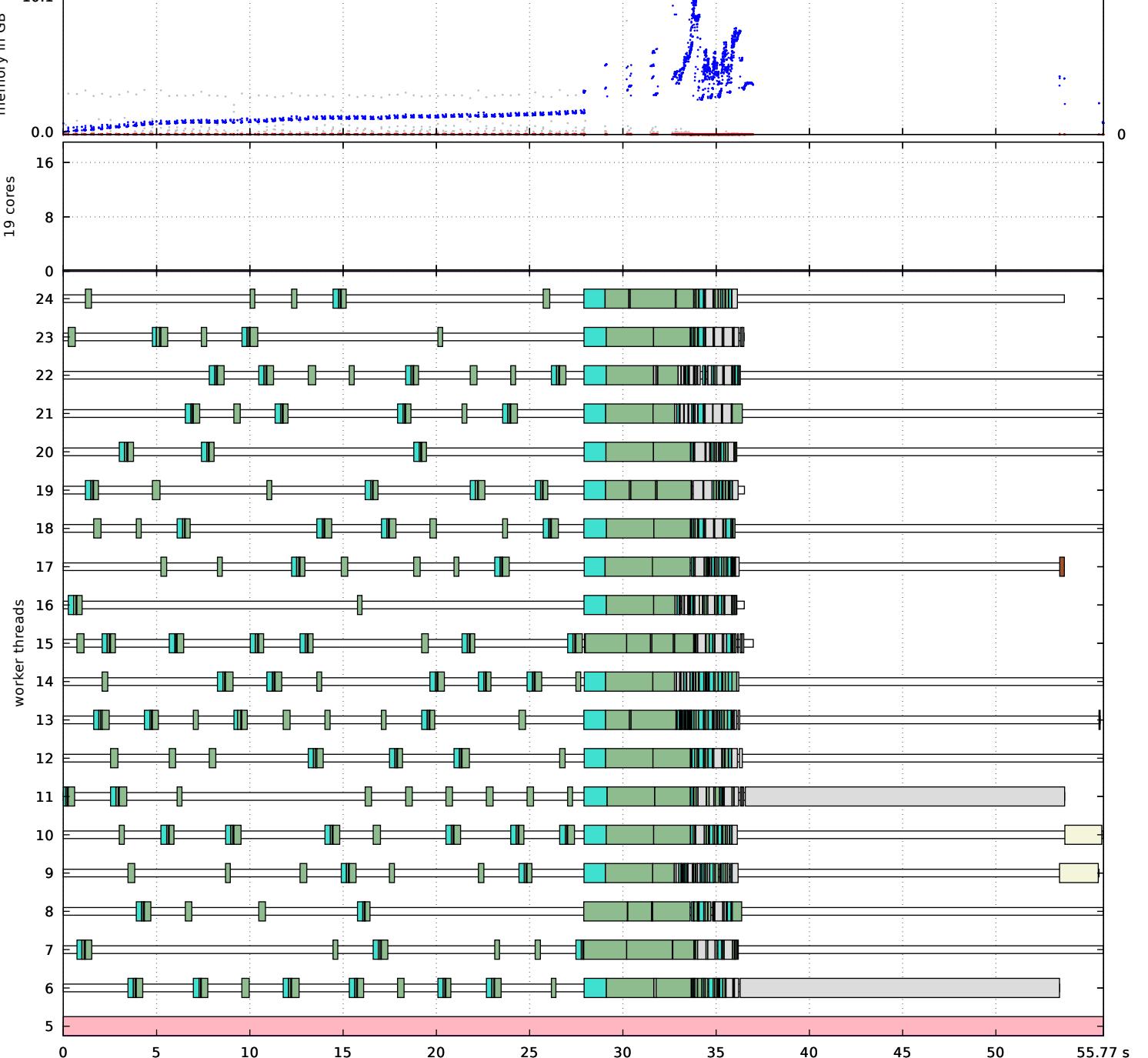




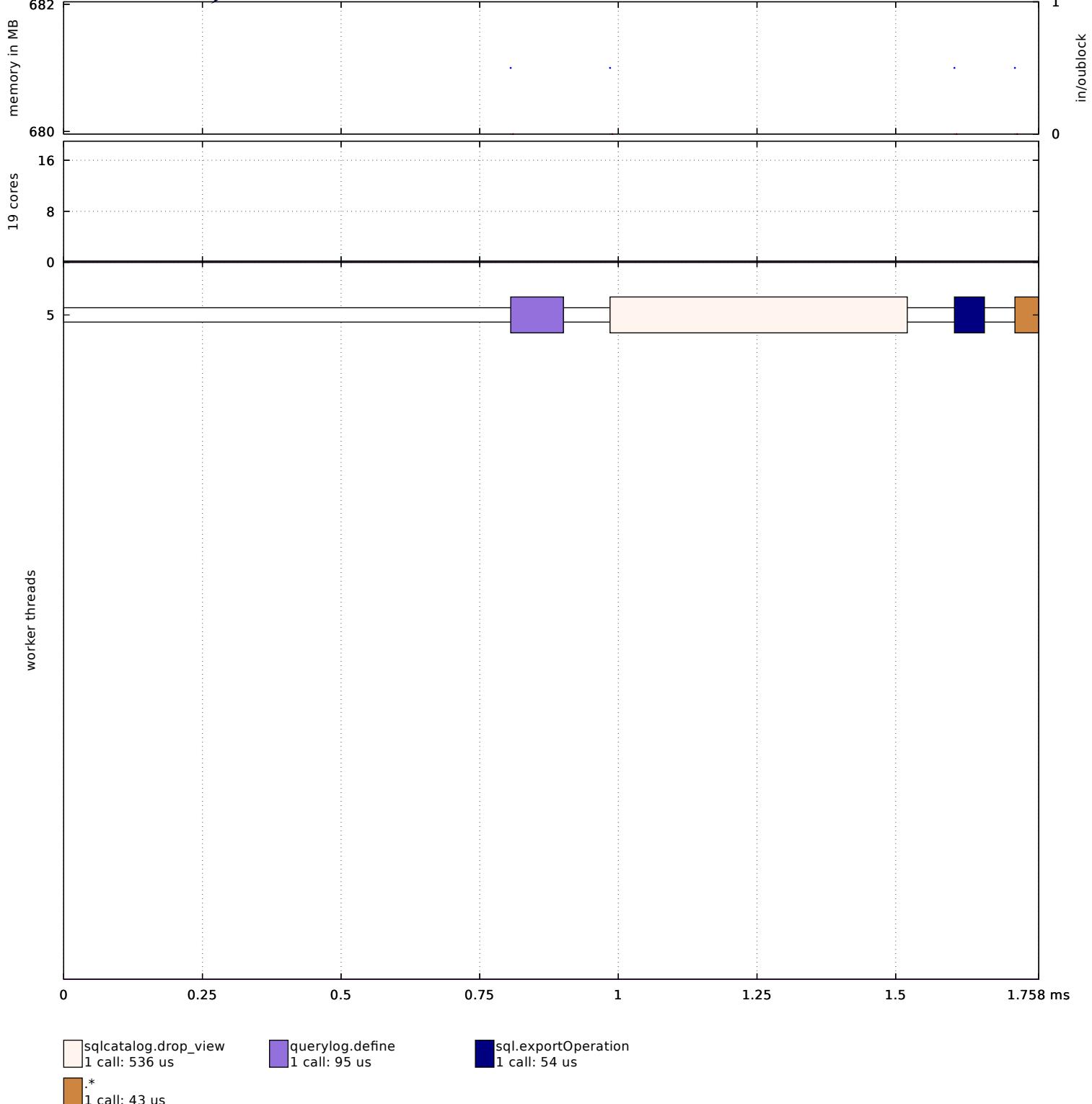


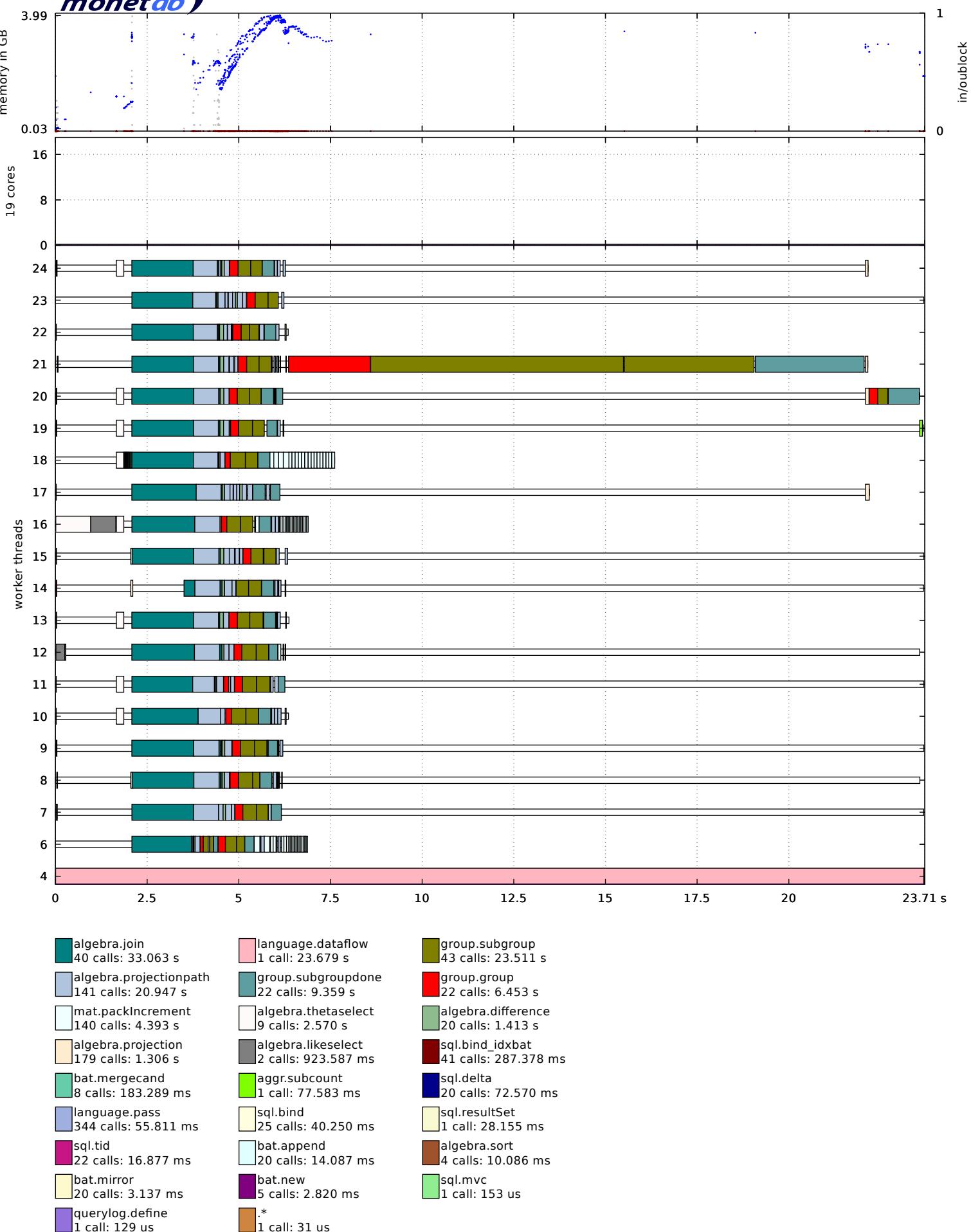


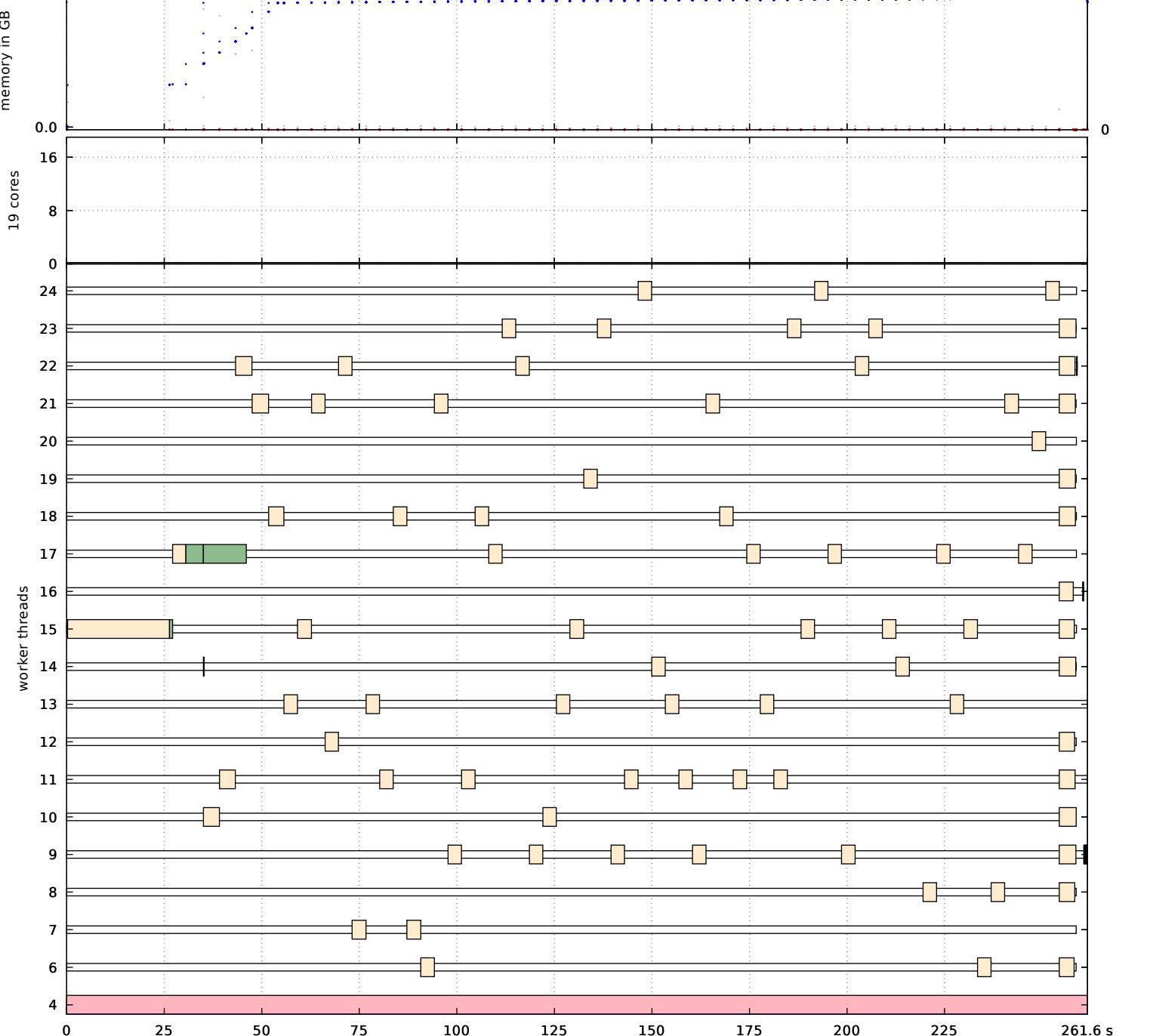




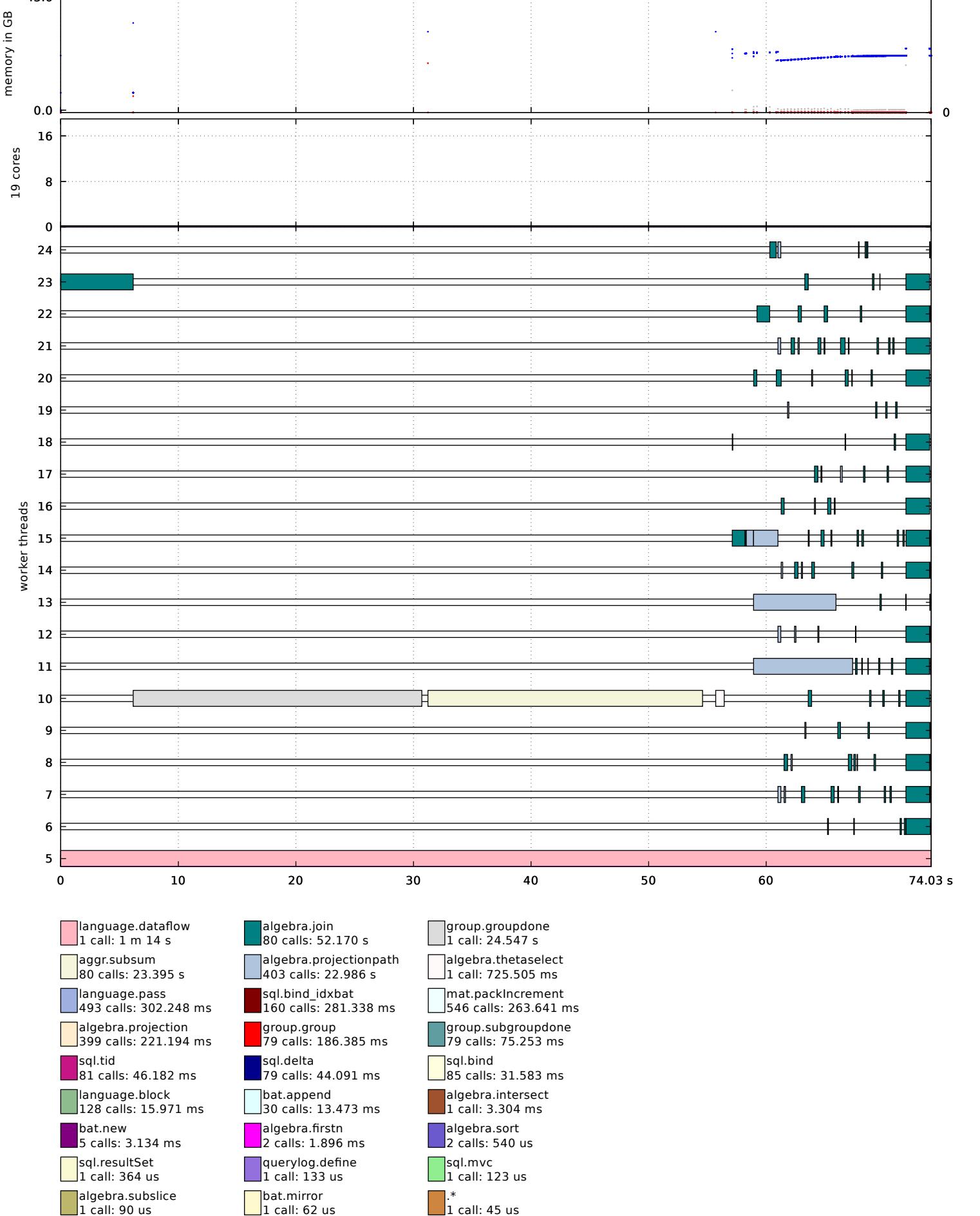
algebra.projectionpath 472 calls: 2 m 32 s	group.groupdone 158 calls: 59.394 s	language.dataflow 1 call: 55.759 s
algebra.select 156 calls: 49.051 s	aggr.subsum 158 calls: 7.620 s	mat.packIncrement 312 calls: 2.502 s
batcalc.* 156 calls: 1.949 s	sql.bind 628 calls: 728.580 ms	batcalc.- 156 calls: 701.024 ms
algebra.projection 318 calls: 582.158 ms	algebra.join 2 calls: 267.389 ms	language.pass 634 calls: 124.072 ms
sql.tid 157 calls: 54.753 ms	aggr.max 1 call: 11.060 ms	language.block 128 calls: 10.725 ms
sql.resultSet 1 call: 9.576 ms	bat.new 5 calls: 5.519 ms	bat.append 25 calls: 5.088 ms
mtime.addmonths 1 call: 1.970 ms	sql.mvc 1 call: 596 us	algebra.sort 1 call: 318 us
bat.mirror 1 call: 177 us	algebra.intersect 1 call: 103 us	sql.single 1 call: 74 us
.* 1 call: 71 us	querylog.define 1 call: 69 us	

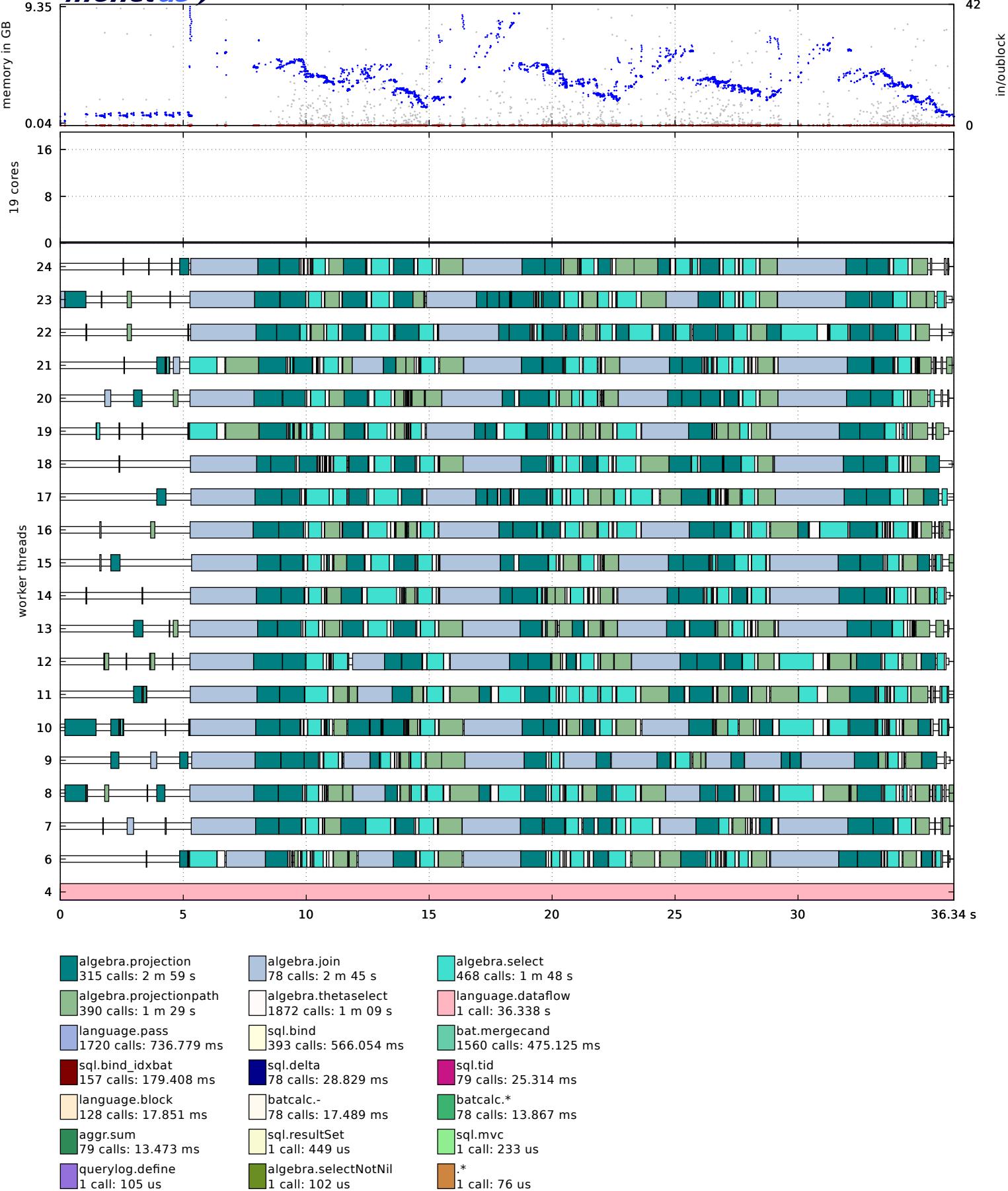






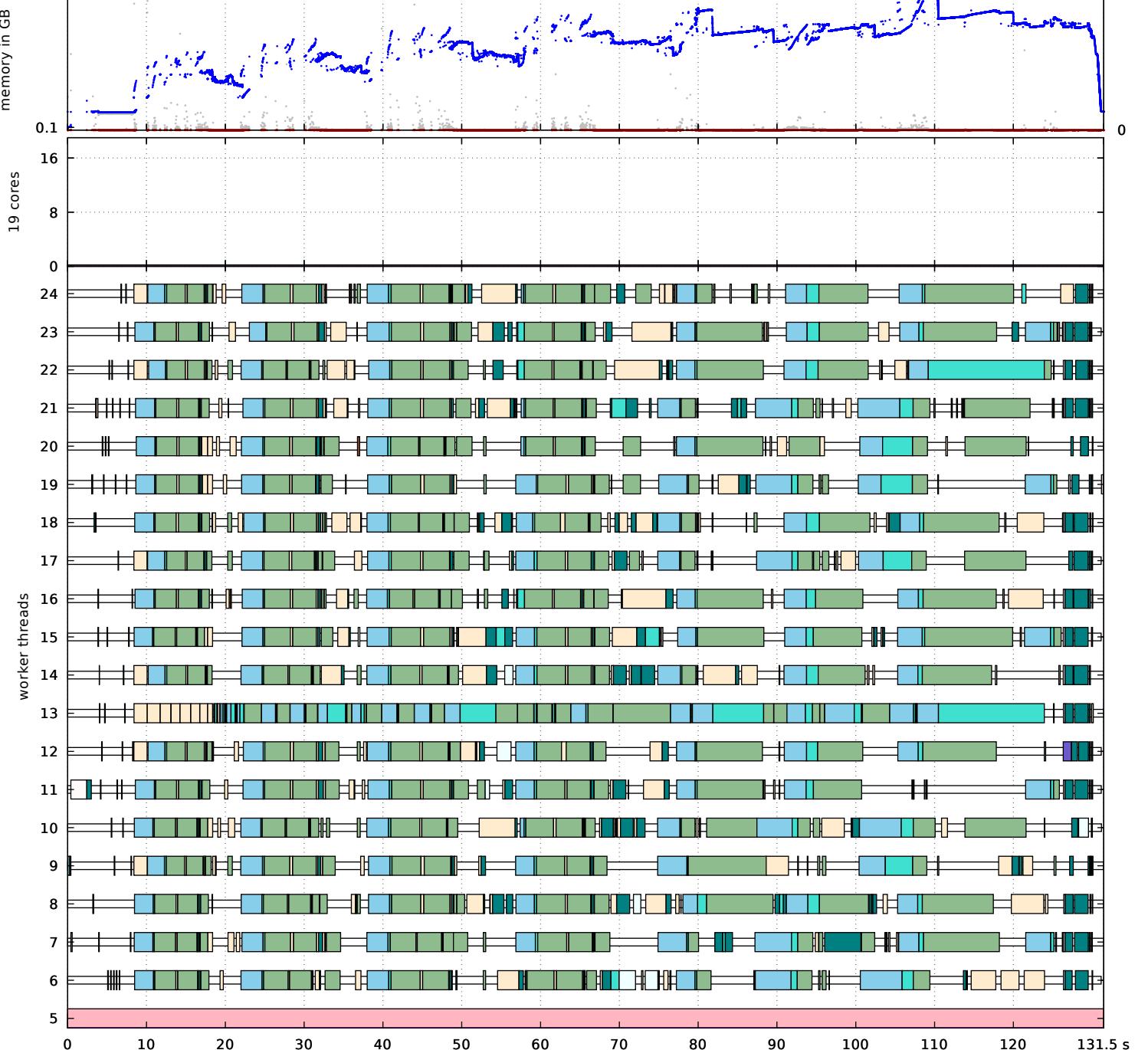
algebra.join 79 calls: 5 m 08 s	language.dataflow 1 call: 4 m 21 s	algebra.projectionpath 239 calls: 38.425 s
group.groupdone 79 calls: 3.613 s	aggr.subavg 78 calls: 2.123 s	mat.packIncrement 390 calls: 1.370 s
algebra.projection 236 calls: 565.754 ms	aggr.subsum 2 calls: 490.867 ms	algebra.thetaselect 2 calls: 228.877 ms
batcalc.* 2 calls: 204.918 ms	batcalc dbl 2 calls: 175.968 ms	batcalc./ 1 call: 172.266 ms
sql.bind 162 calls: 72.904 ms	sql.tid 80 calls: 40.479 ms	language.pass 323 calls: 33.286 ms
batcalc.== 1 call: 14.755 ms	language.block 128 calls: 7.725 ms	batcalc.< 1 call: 5.166 ms
algebra.select 1 call: 3.697 ms	batcalc.ifthenelse 1 call: 3.297 ms	sql.bind_idxbat 3 calls: 1.765 ms
aggr.sum 1 call: 925 us	sql.resultSet 1 call: 273 us	sql.projectdelta 1 call: 182 us
calc.hge 1 call: 144 us	sql.mvc 1 call: 143 us	calc./ 1 call: 99 us
querylog.define 1 call: 84 us	batcalc.identity 1 call: 69 us	.*.* 1 call: 62 us



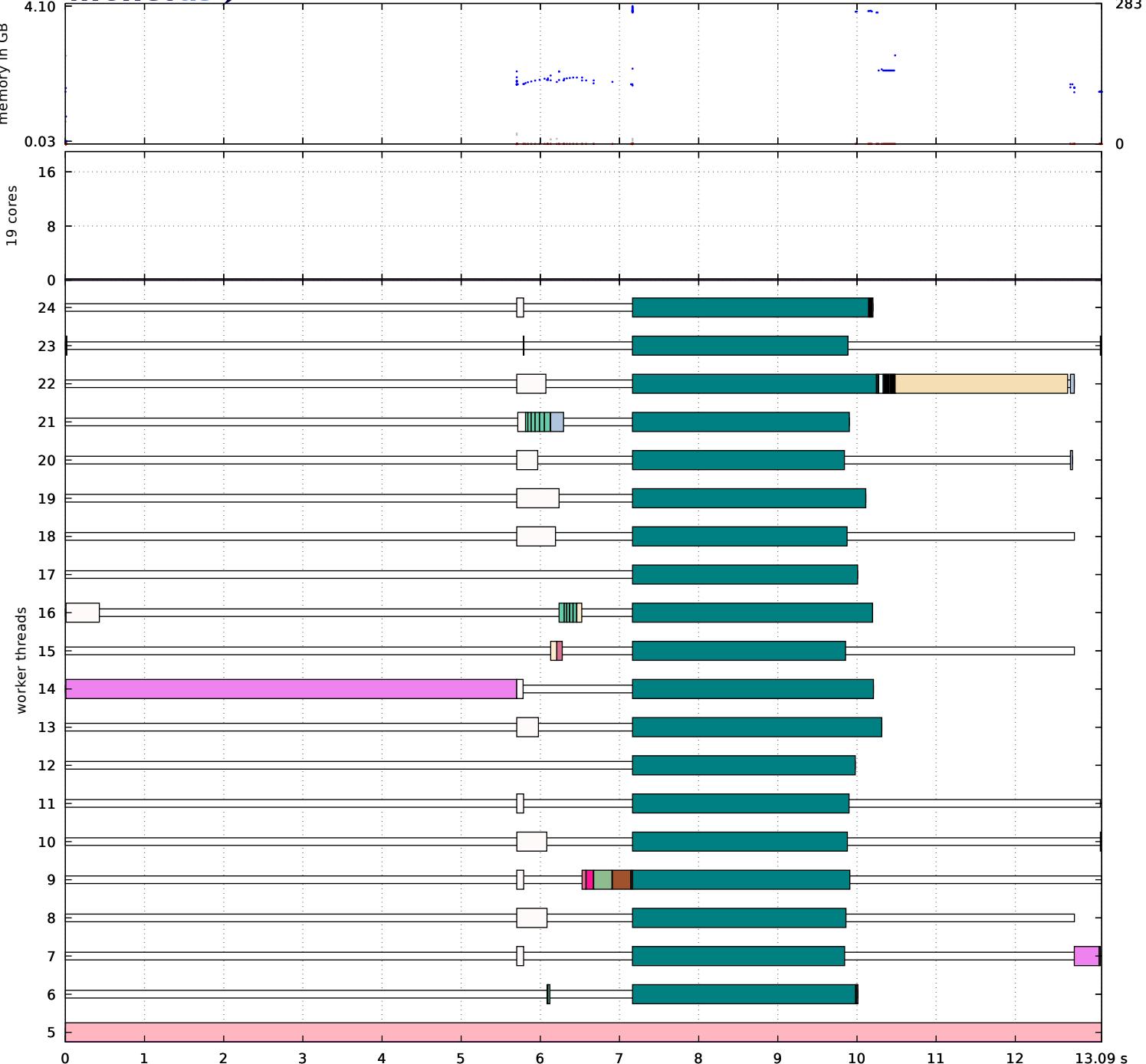


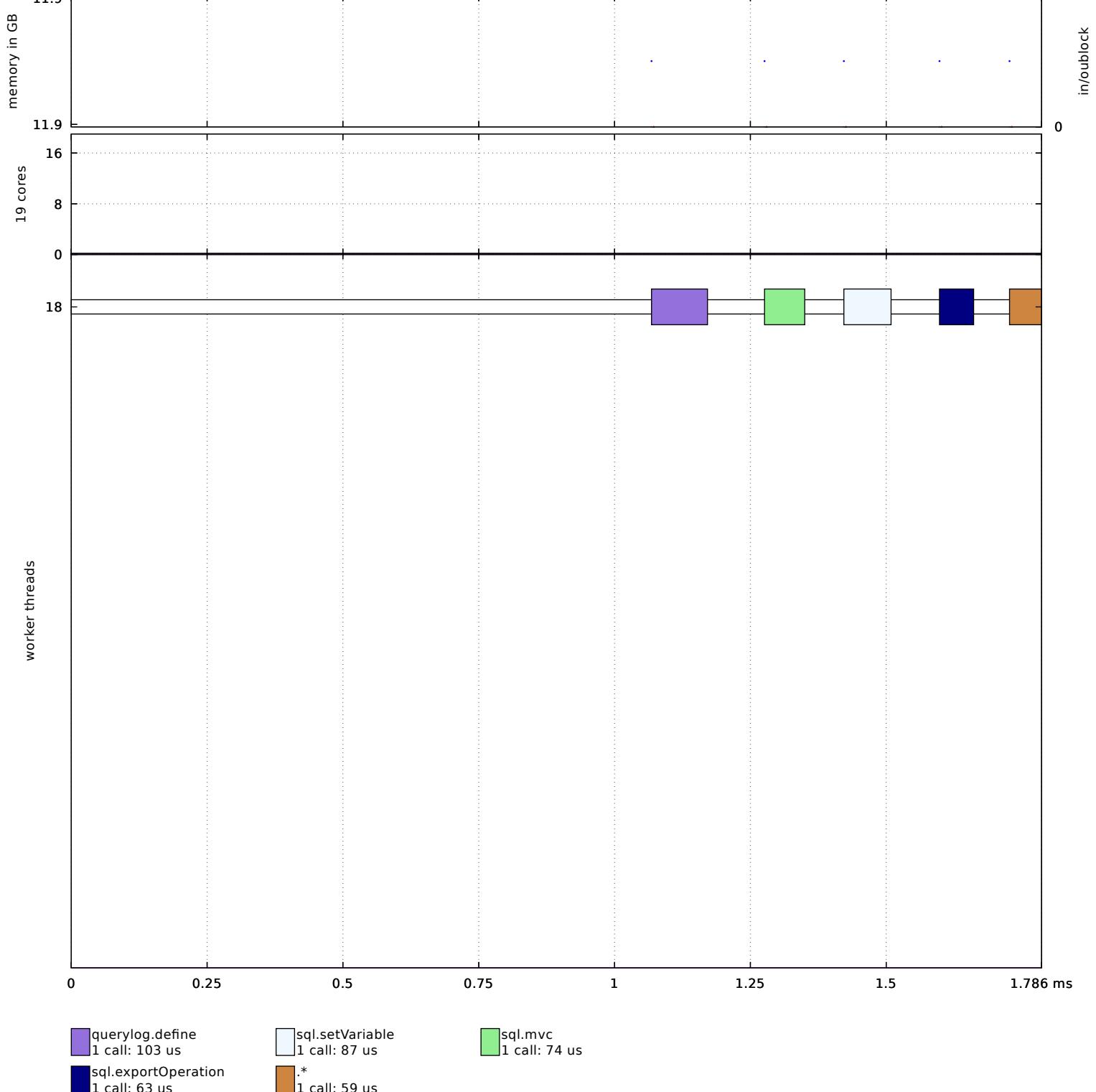


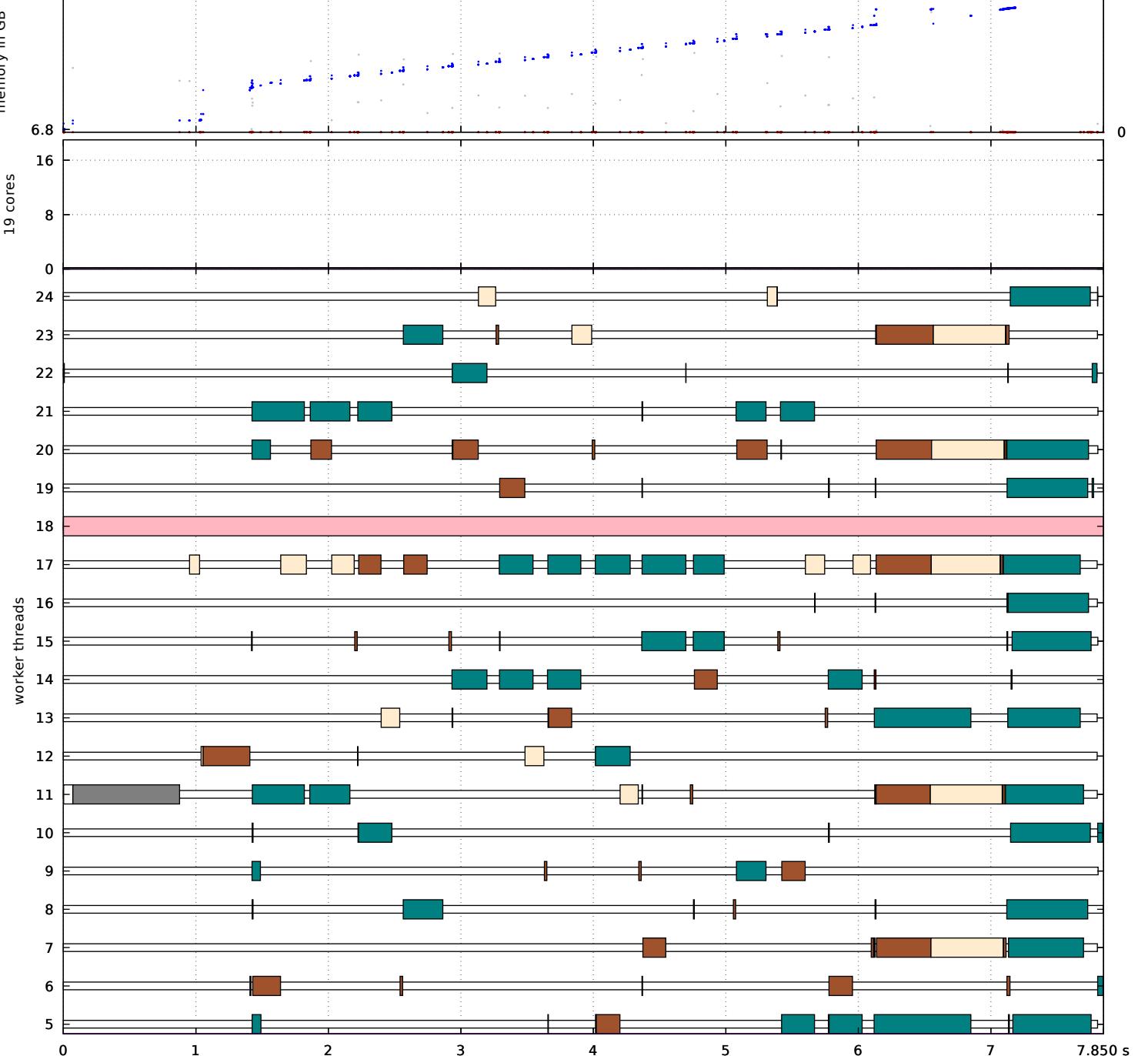
algebra.projectionpath 398 calls: 3 m 19 s	algebra.select 79 calls: 1 m 16 s	language.dataflow 1 call: 41.405 s
algebra.join 81 calls: 30.641 s	algebra.intersect 2 calls: 5.033 s	mkey.bulk_rotate_xor_hash 78 calls: 2.122 s
algebra.likeselect 1 call: 1.924 s	batmkey.hash 78 calls: 1.679 s	algebra.projection 788 calls: 484.641 ms
group.groupdone 79 calls: 428.359 ms	batcalc.hge 2 calls: 279.907 ms	language.pass 1031 calls: 229.398 ms
sql.bind 321 calls: 165.045 ms	sql.resultSet 1 call: 143.025 ms	mat.packIncrement 312 calls: 128.435 ms
aggr.subsum 79 calls: 124.843 ms	algebra.sort 1 call: 88.673 ms	algebra.thetaselect 157 calls: 52.178 ms
batcalc.== 156 calls: 36.447 ms	sql.tid 82 calls: 29.804 ms	language.block 128 calls: 13.199 ms
batcalc.* 1 call: 12.348 ms	batcalc.> 1 call: 9.055 ms	bat.new 5 calls: 7.290 ms
bat.append 10 calls: 5.196 ms	sql.bind_idxbat 6 calls: 4.089 ms	mtime.addmonths 1 call: 1.109 ms
sql.mvc 1 call: 995 us	sql.delta 2 calls: 487 us	*.* 5 calls: 434 us



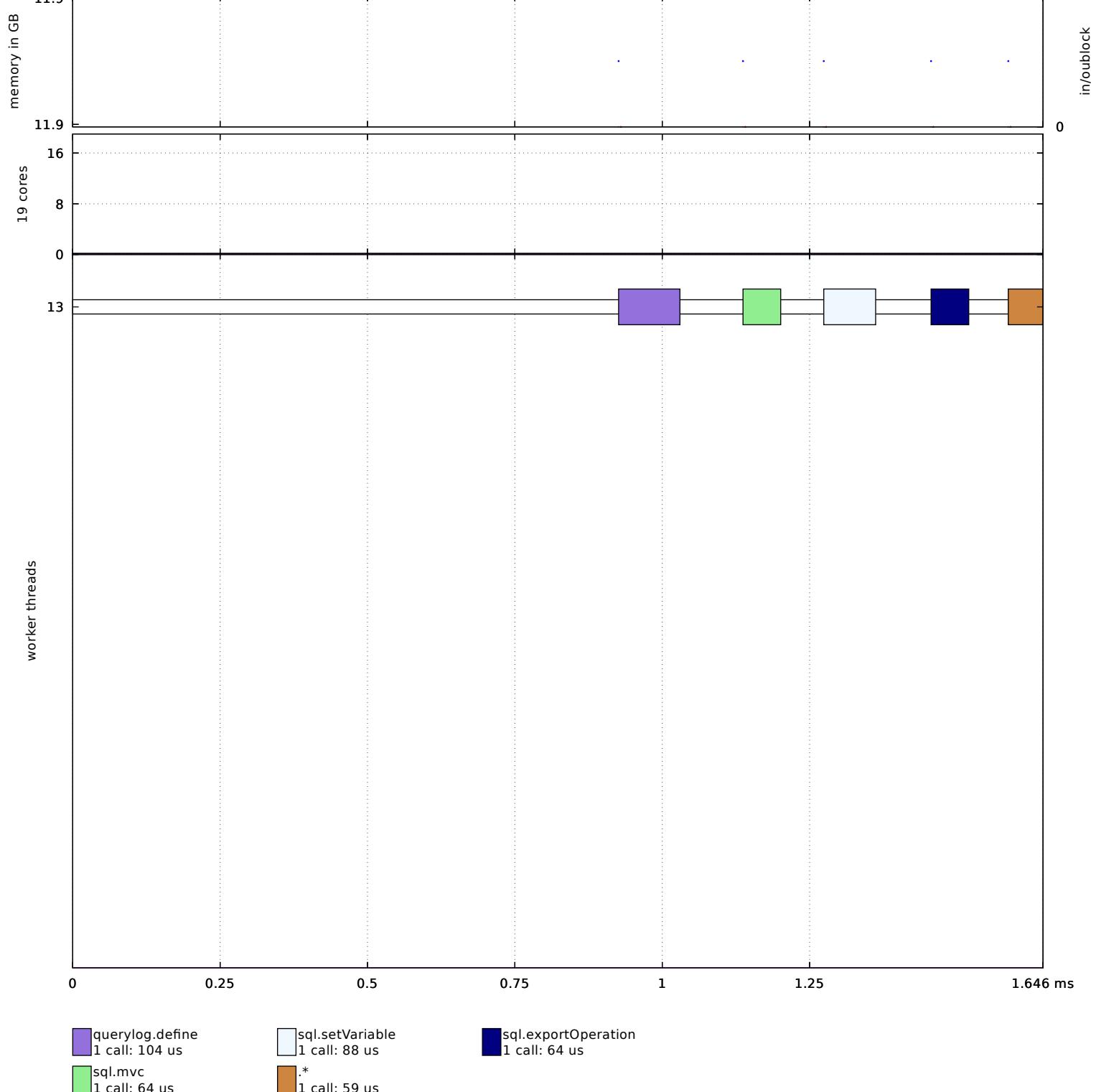
algebra.projectionpath 625 calls: 16 m 09 s	batcalc.> 156 calls: 6 m 25 s	algebra.join 12402 calls: 4 m 56 s
algebra.projection 37374 calls: 3 m 26 s	algebra.select 12324 calls: 2 m 58 s	language.dataflow 1 call: 2 m 11 s
language.pass 13902 calls: 38.722 s	mat.packIncrement 12324 calls: 24.339 s	batcalc.!= 12168 calls: 22.317 s
algebra.intersect 78 calls: 3.645 s	group.groupdone 79 calls: 3.601 s	sql.bind 784 calls: 2.553 s
algebra.difference 78 calls: 2.274 s	algebra.thetaselect 2 calls: 2.018 s	sql.bind_idxbat 317 calls: 1.964 s
sql.tid 237 calls: 438.355 ms	sql.delta 157 calls: 232.233 ms	aggr.subcount 78 calls: 183.314 ms
bat.mirror 156 calls: 171.887 ms	bat.append 10 calls: 24.932 ms	aggr.subsum 1 call: 15.588 ms
language.block 128 calls: 10.254 ms	algebra.firstn 2 calls: 7.813 ms	algebra.sort 2 calls: 5.140 ms
algebra.subslice 1 call: 2.554 ms	sql.resultSet 1 call: 2.060 ms	bat.new 5 calls: 1.290 ms
.* 1 call: 220 us	sql.mvc 1 call: 193 us	.* 1 call: 81 us

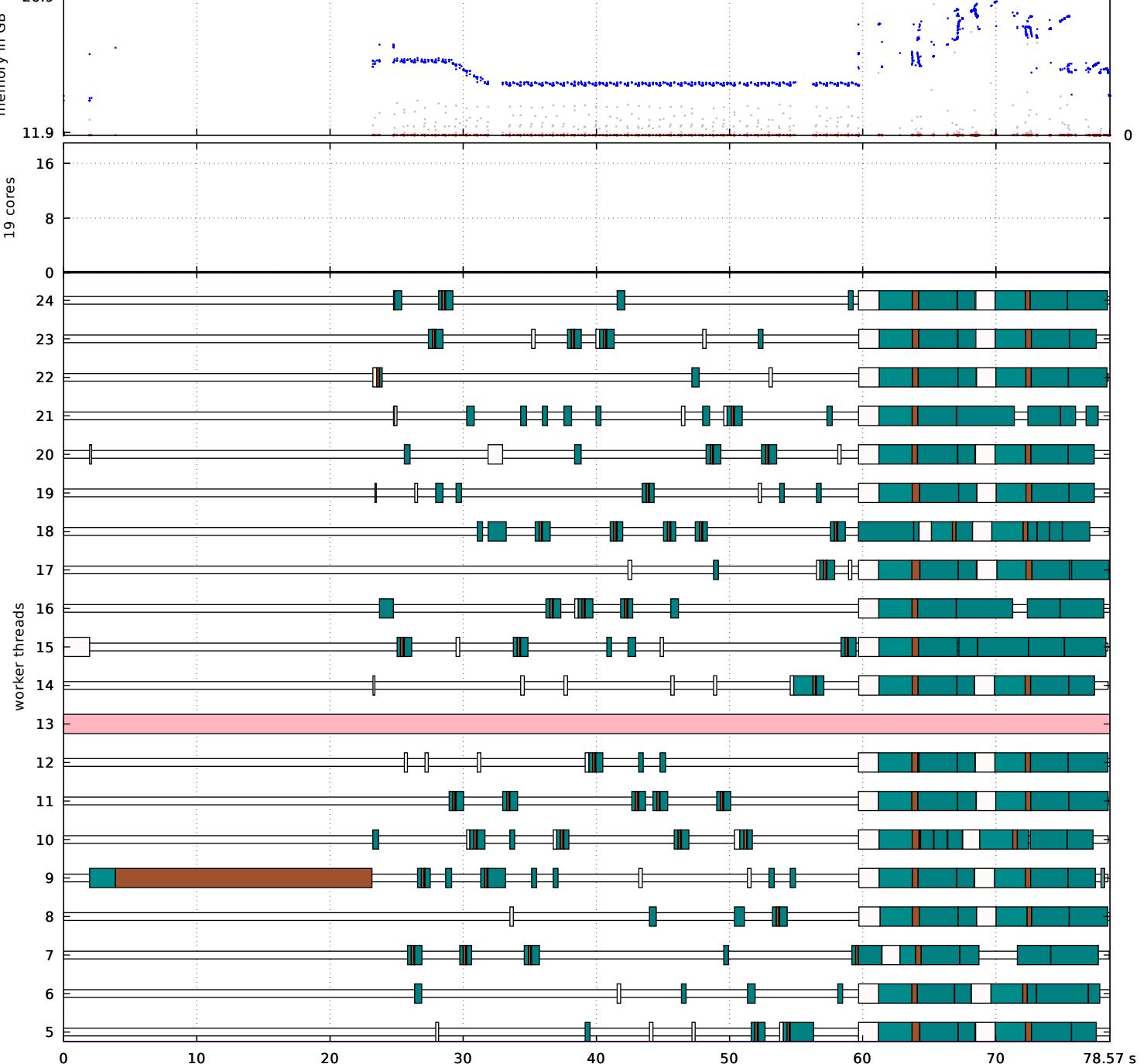




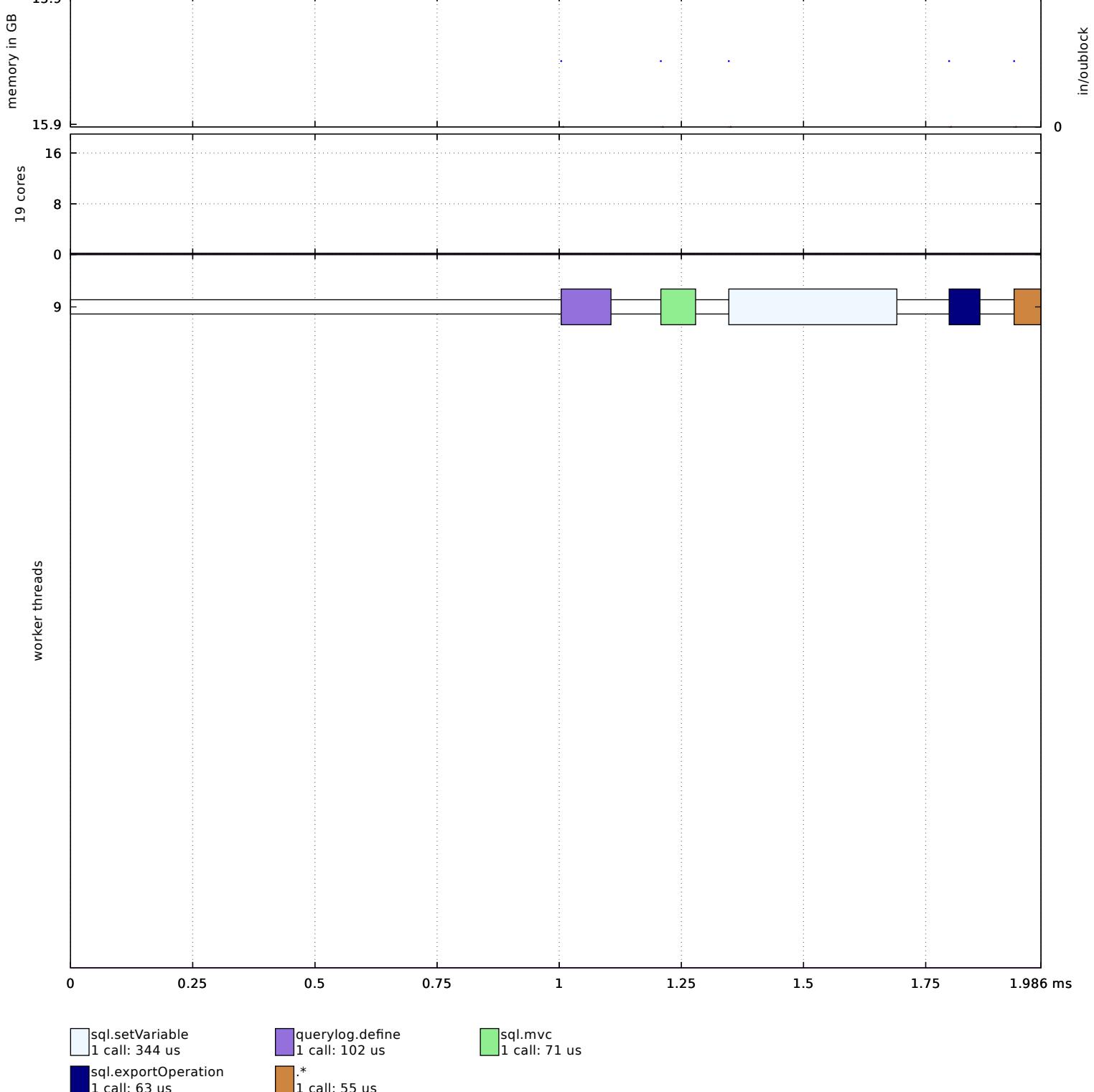


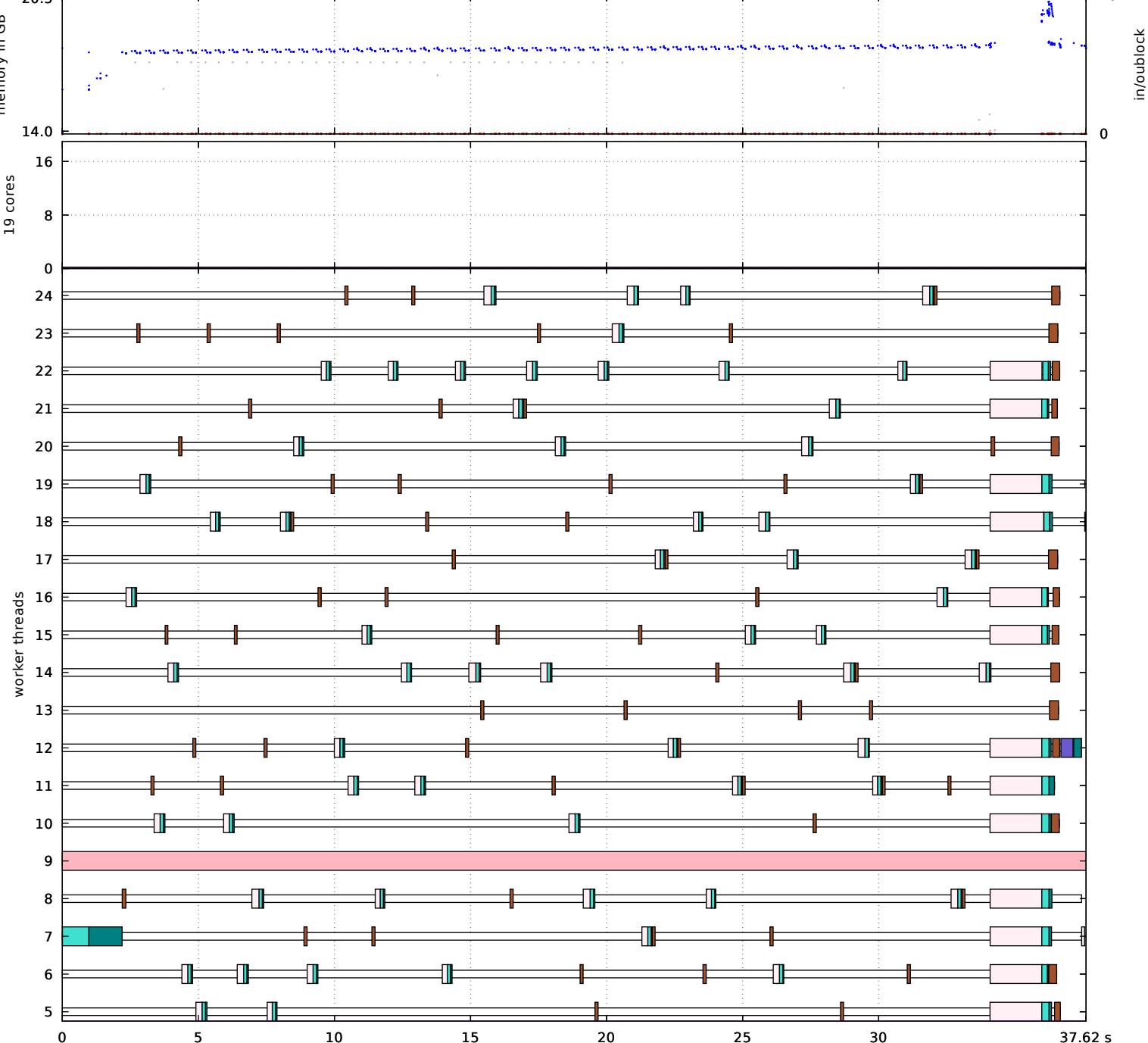
algebra.projectionpath 251 calls: 16.440 s	language.dataflow 1 call: 7.847 s	algebra.join 160 calls: 5.710 s
algebra.projection 157 calls: 5.460 s	algebra.likeselect 1 call: 805.697 ms	language.pass 353 calls: 182.487 ms
mat.packIncrement 220 calls: 129.934 ms	sql.bind_idxbat 90 calls: 100.934 ms	algebra.thetaselect 2 calls: 69.298 ms
sql.projectdelta 43 calls: 33.655 ms	sql.bind 33 calls: 31.533 ms	aggr.submin 21 calls: 22.004 ms
sql.tid 25 calls: 21.421 ms	language.block 128 calls: 13.305 ms	group.groupdone 21 calls: 9.309 ms
bat.append 40 calls: 8.466 ms	batcalc.identity 20 calls: 4.994 ms	bat.new 5 calls: 3.852 ms
algebra.firstn 4 calls: 2.967 ms	batcalc.== 1 call: 1.603 ms	sql.resultSet 1 call: 857 us
algebra.sort 4 calls: 842 us	algebra.select 1 call: 807 us	algebra.subslice 1 call: 220 us
sql.mvc 1 call: 162 us	querylog.define 1 call: 81 us	.* 1 call: 78 us



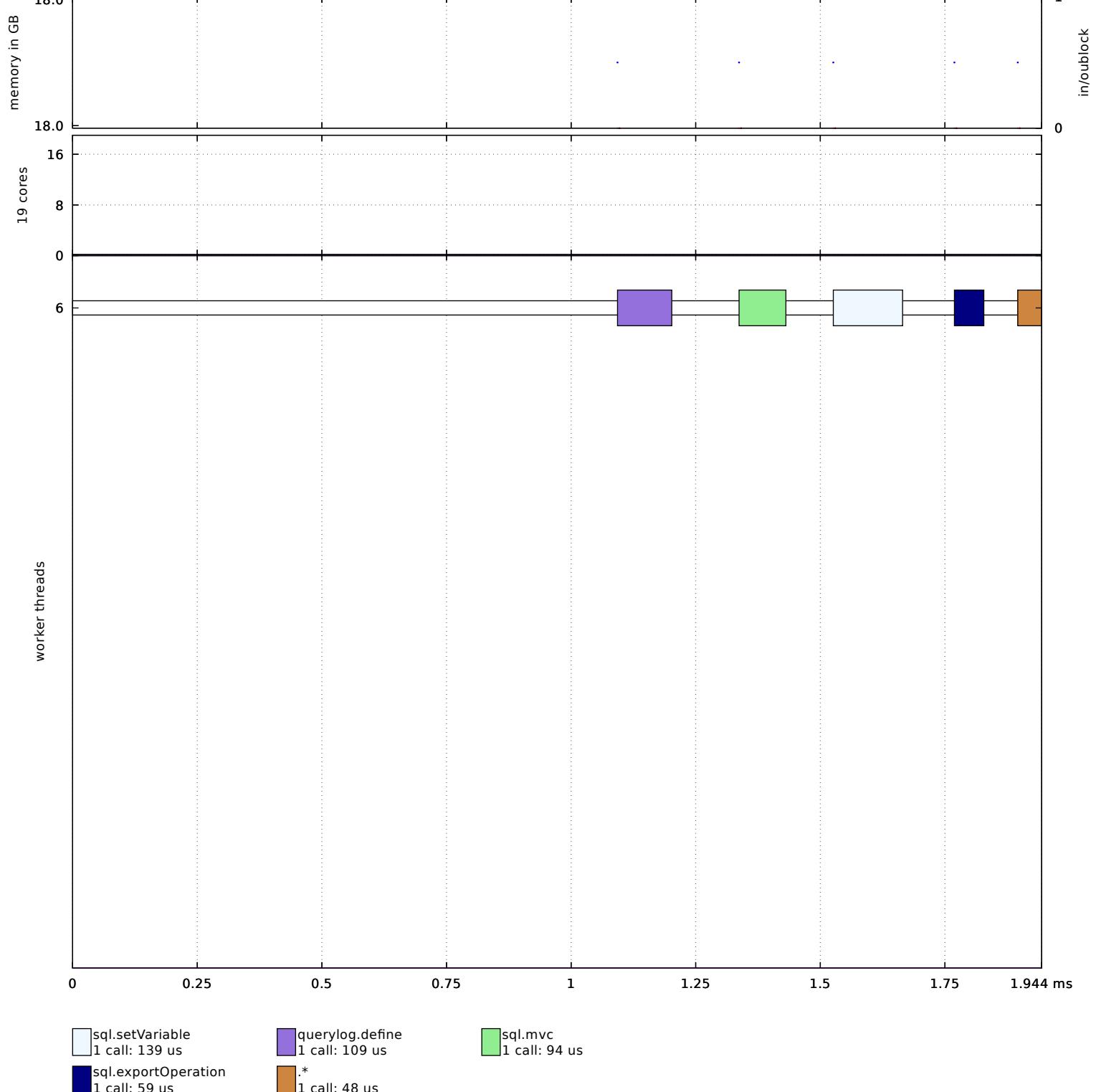


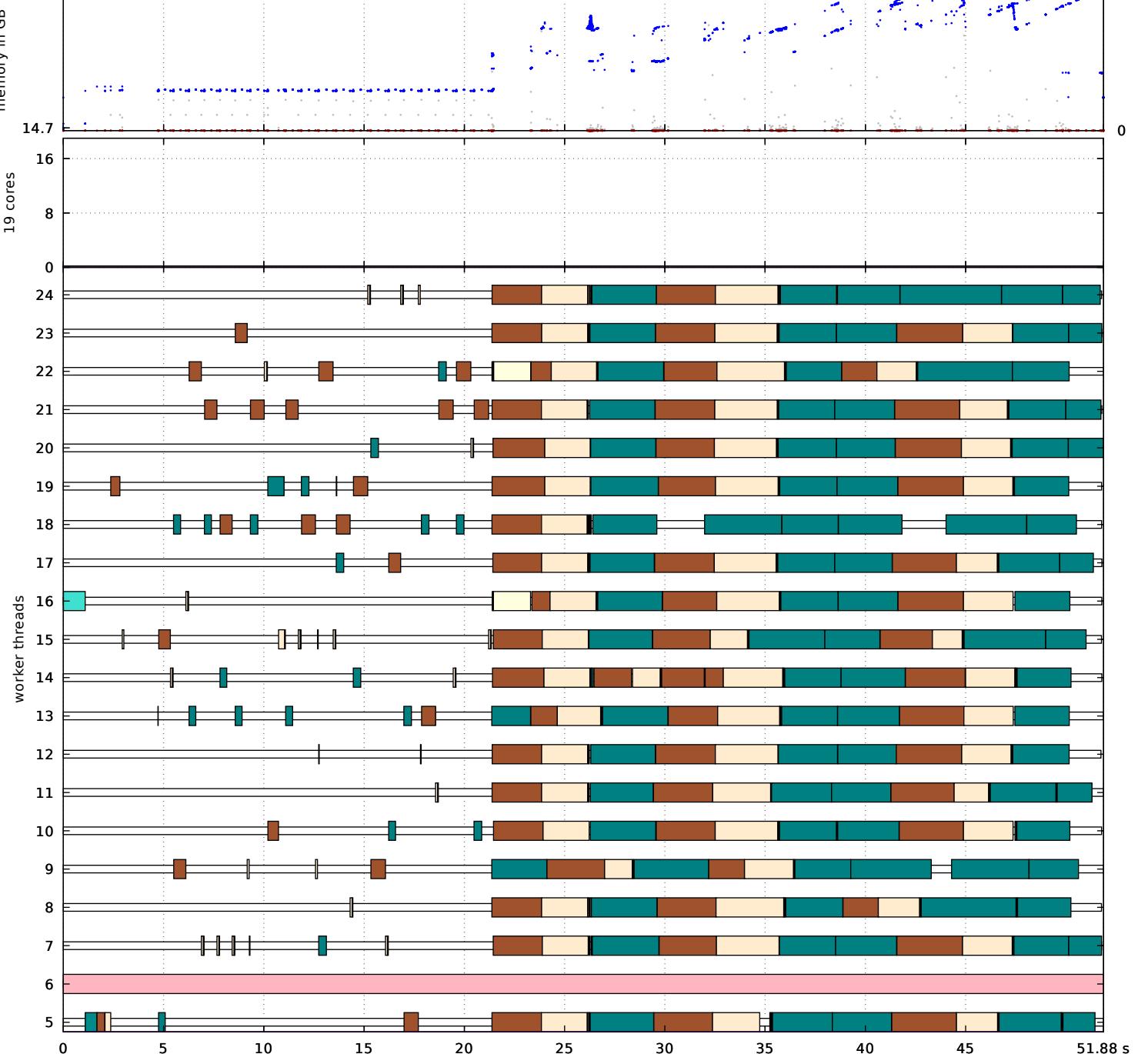
algebra.projectionpath 396 calls: 4 m 10 s	sql.projectdelta 79 calls: 1 m 39 s	language.dataflow 1 call: 1 m 18 s
algebra.thetaselect 80 calls: 1 m 06 s	algebra.join 79 calls: 42.271 s	algebra.projection 473 calls: 595.596 ms
group.subgroupdone 79 calls: 497.918 ms	sql.bind 315 calls: 432.672 ms	sql.bind_idxbat 160 calls: 243.577 ms
language.pass 874 calls: 206.530 ms	mat.packIncrement 468 calls: 186.528 ms	aggr.subsum 79 calls: 184.791 ms
group.subgroup 79 calls: 135.742 ms	group.group 79 calls: 58.613 ms	batcalc.* 78 calls: 45.965 ms
batcalc. 78 calls: 44.600 ms	sql.tid 80 calls: 23.160 ms	algebra.firstn 2 calls: 13.144 ms
language.block 128 calls: 13.039 ms	bat.append 20 calls: 4.482 ms	bat.new 5 calls: 2.308 ms
algebra.sort 2 calls: 516 us	sql.resultSet 1 call: 289 us	sql.mvc 1 call: 197 us
algebra.subslice 1 call: 162 us	* 1 call: 99 us	querylog.define 1 call: 97 us



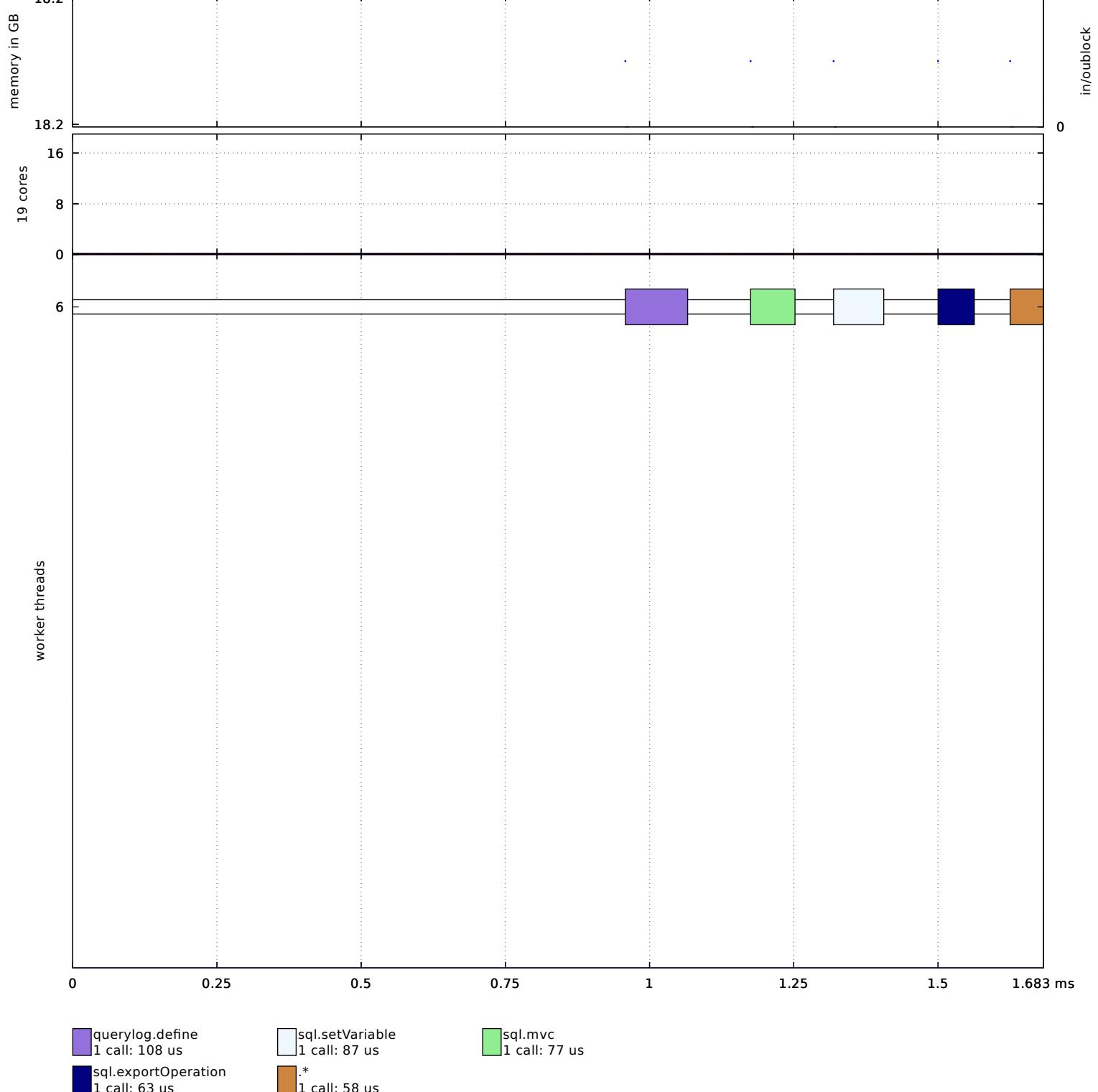


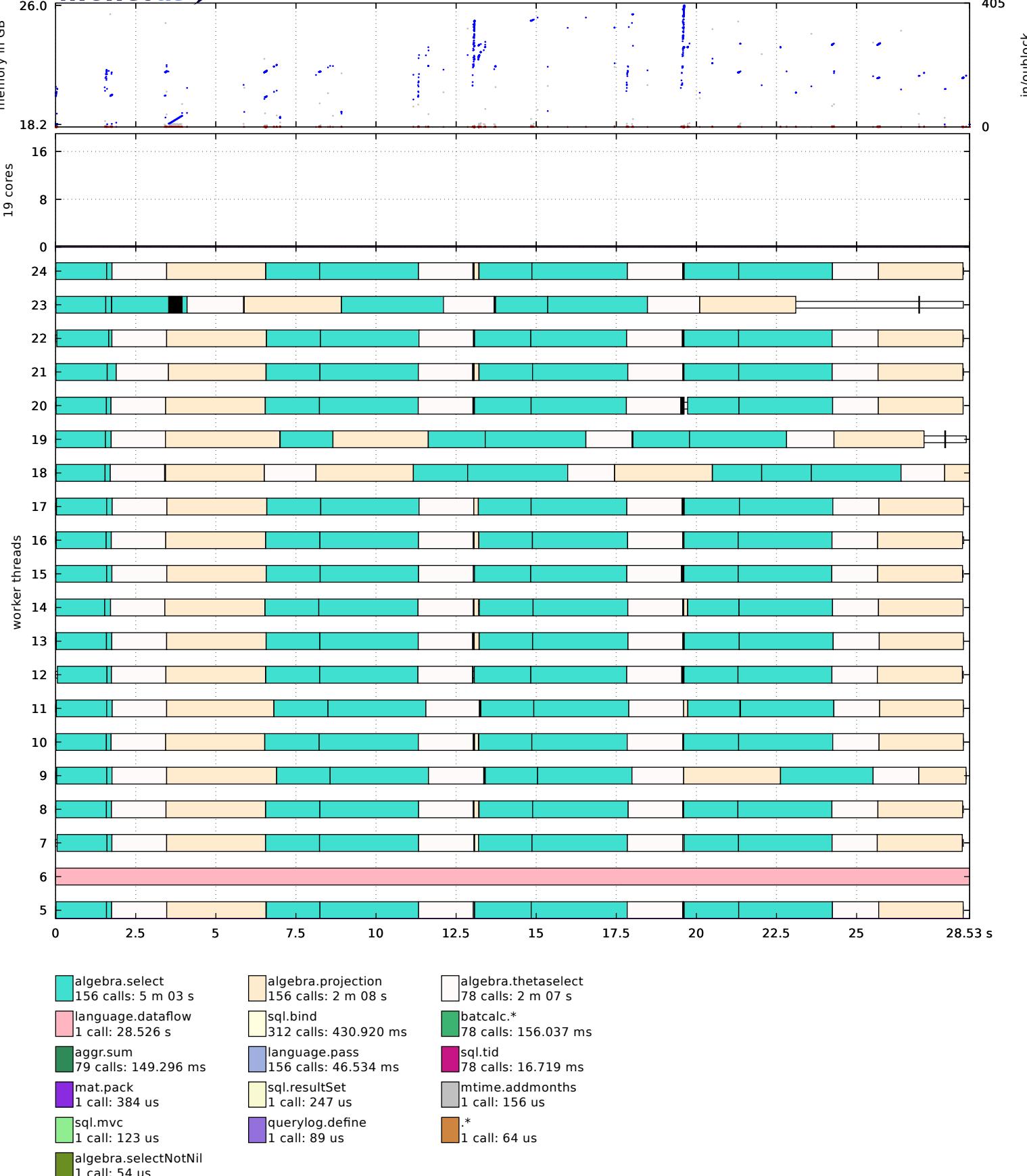
batcalc.<	language.dataflow	algebra.select
78 calls: 40.781 s	1 call: 37.618 s	79 calls: 12.100 s
algebra.join	algebra.projectionpath	algebra.intersect
78 calls: 11.053 s	80 calls: 5.893 s	1 call: 446.764 ms
mat.packIncrement	sql.bind	algebra.projection
78 calls: 301.885 ms	237 calls: 196.298 ms	160 calls: 122.160 ms
group.groupdone	aggr.subcount	sql.tid
1 call: 116.238 ms	1 call: 35.973 ms	79 calls: 30.054 ms
language.pass	language.block	bat.append
86 calls: 10.741 ms	128 calls: 8.458 ms	10 calls: 2.519 ms
bat.new	mtime.addmonths	sql.resultSet
5 calls: 1.074 ms	1 call: 271 us	1 call: 259 us
algebra.sort	sql.mvc	*.
1 call: 243 us	1 call: 167 us	1 call: 82 us
querylog.define	bat.mirror	
1 call: 71 us	1 call: 60 us	

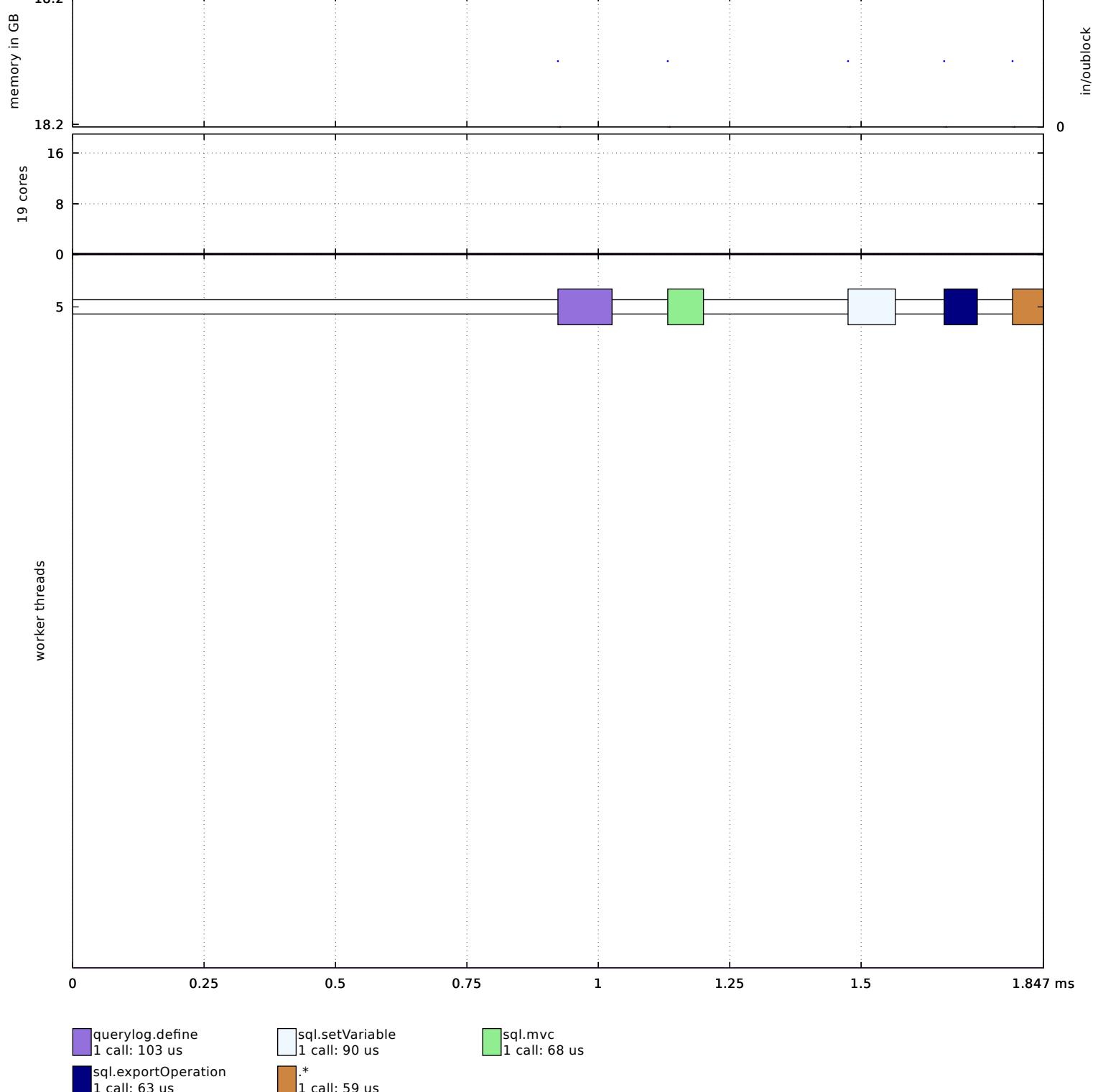


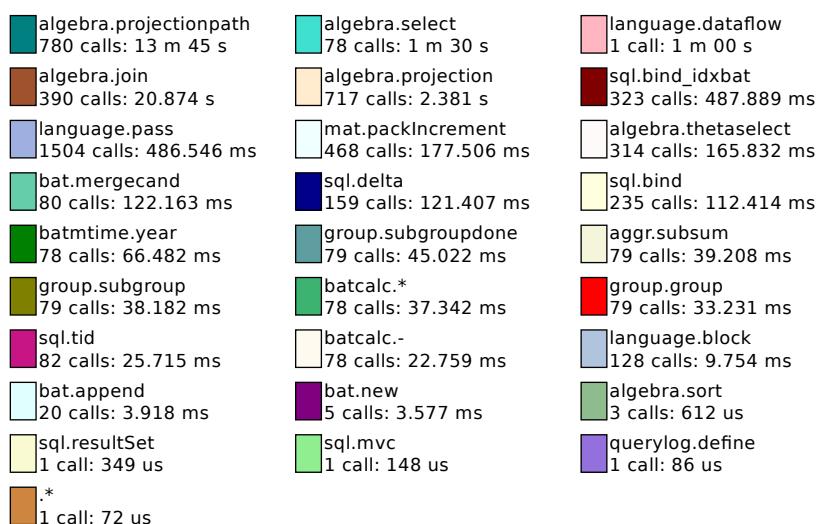
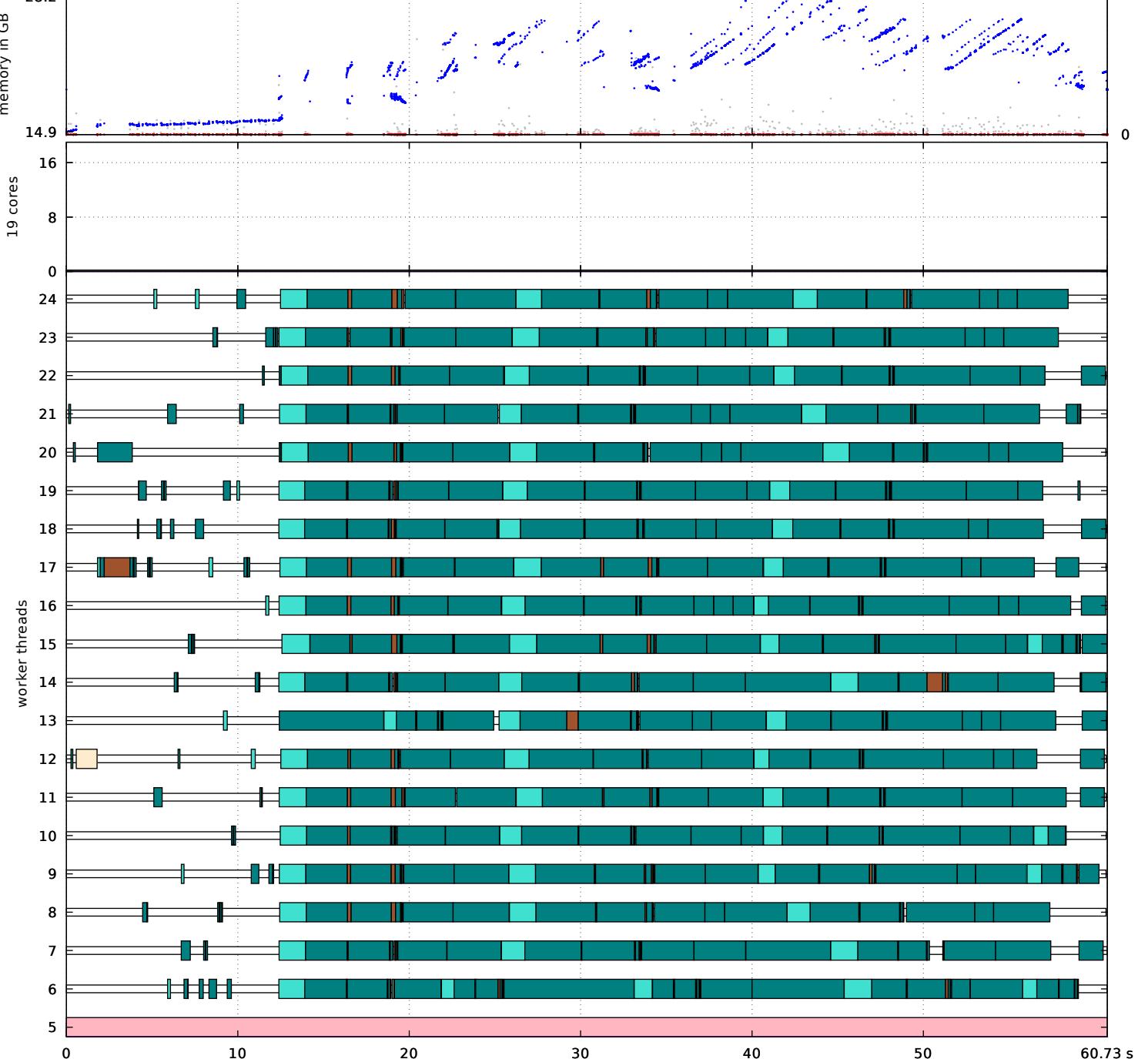


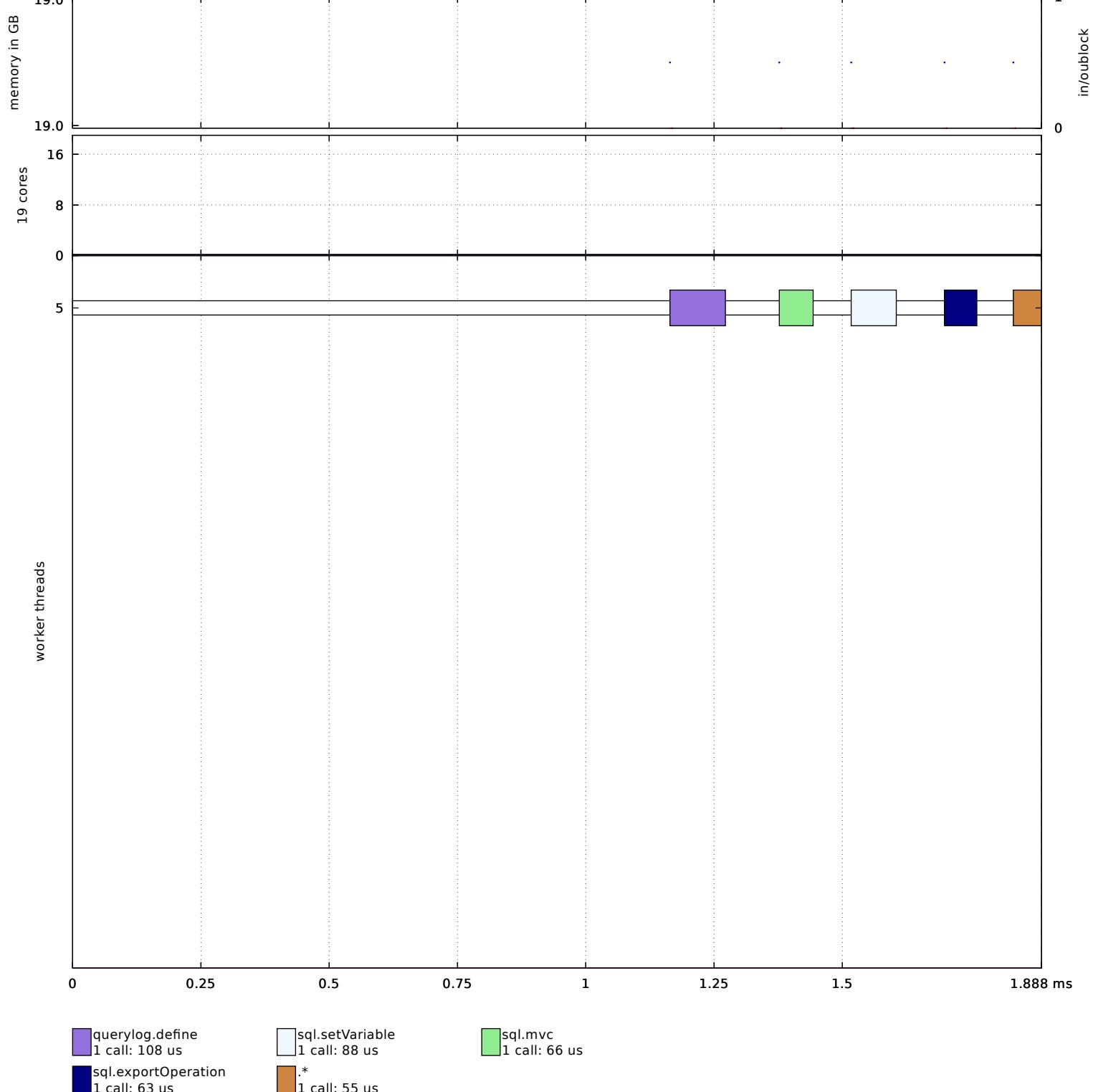
algebra.projectionpath 392 calls: 4 m 51 s	algebra.join 313 calls: 2 m 48 s	algebra.projection 394 calls: 2 m 26 s
language.dataflow 1 call: 51.875 s	sql.bind 161 calls: 3.769 s	algebra.select 79 calls: 1.358 s
sql.projectdelta 159 calls: 757.318 ms	batcalc.=== 78 calls: 524.943 ms	sql.bind_idxbat 323 calls: 417.931 ms
language.pass 873 calls: 202.286 ms	aggr.subsum 79 calls: 38.107 ms	group.groupdone 79 calls: 32.423 ms
batcalc.- 78 calls: 26.801 ms	batcalc.* 78 calls: 25.240 ms	mat.packIncrement 156 calls: 22.735 ms
sql.tid 83 calls: 17.673 ms	language.block 128 calls: 10.894 ms	bat.append 10 calls: 3.975 ms
bat.new 5 calls: 2.338 ms	sql.resultSet 1 call: 400 us	mtime.addmonths 1 call: 310 us
sql.mvc 1 call: 141 us	algebra.thetaselect 1 call: 127 us	algebra.sort 1 call: 117 us
querylog.define 1 call: 109 us	* 1 call: 67 us	

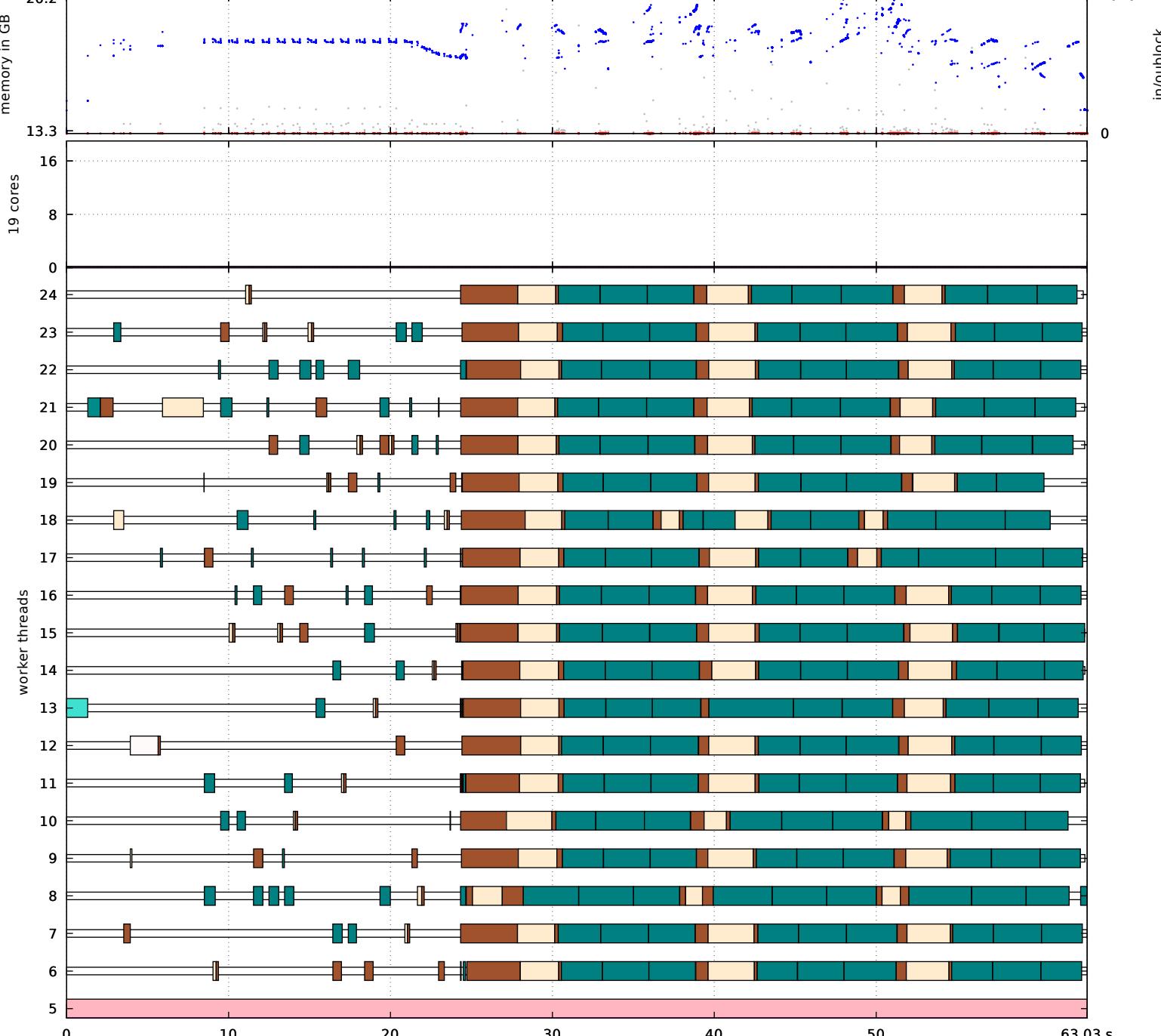




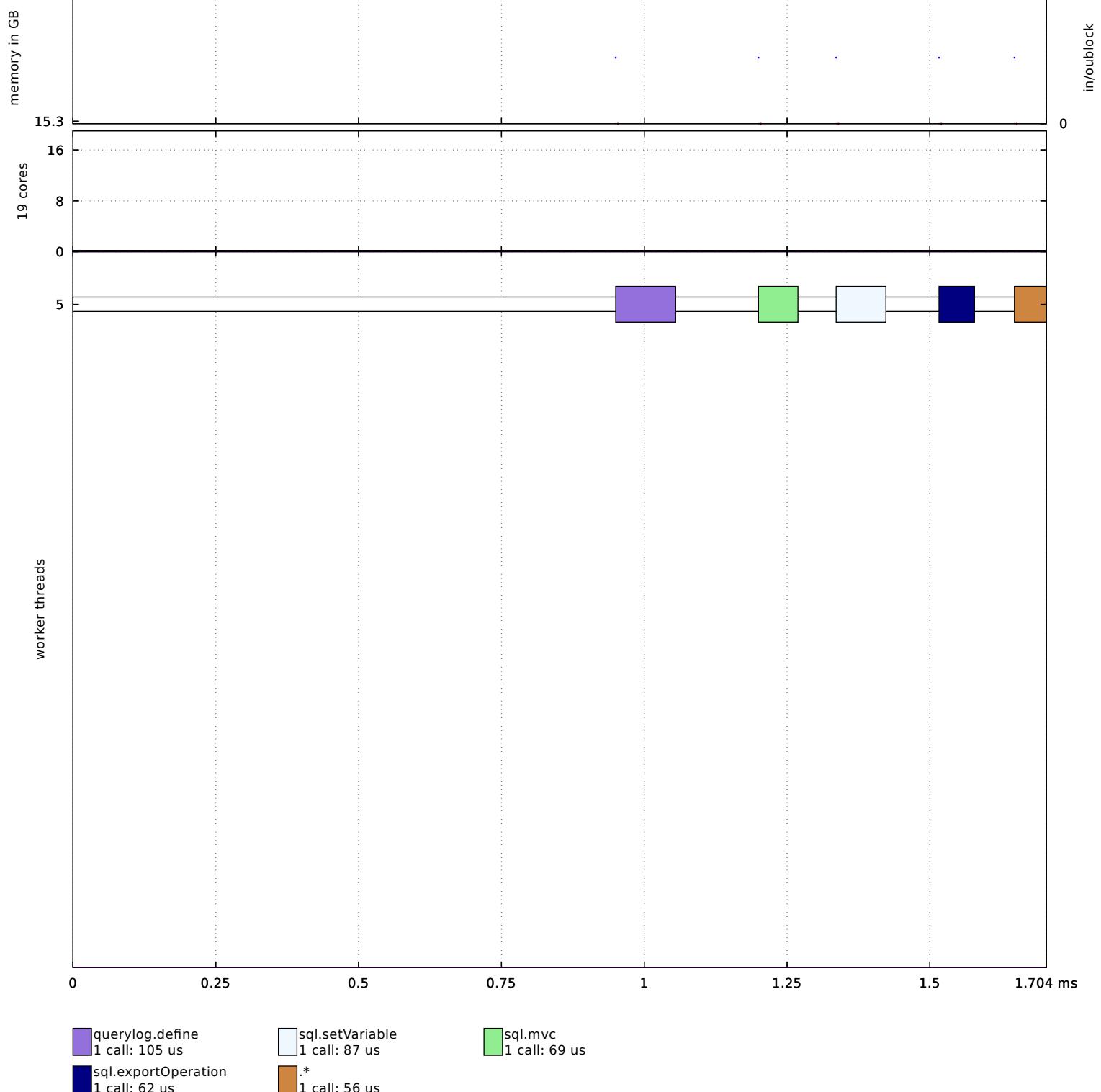








algebra.projectionpath 469 calls: 8 m 46 s	algebra.projection 318 calls: 2 m 28 s	algebra.join 469 calls: 1 m 58 s
language.dataflow 1 call: 1 m 03 s	algebra.thetiselect 2 calls: 1.720 s	sql.projectdelta 238 calls: 1.347 s
algebra.select 1 call: 1.299 s	sql.bind_idxbat 483 calls: 948.122 ms	language.pass 1033 calls: 318.733 ms
sql.bind 160 calls: 197.532 ms	aggr.subsum 158 calls: 56.281 ms	mat.packIncrement 234 calls: 50.836 ms
batcalc.ifthenelse 156 calls: 42.337 ms	batmtime.year 78 calls: 40.463 ms	batcalc.== 78 calls: 34.244 ms
sql.tid 84 calls: 26.577 ms	batcalc.* 78 calls: 24.461 ms	batcalc.- 78 calls: 20.036 ms
group.groupdone 79 calls: 18.694 ms	language.block 128 calls: 13.522 ms	batcalc.isnil 78 calls: 12.049 ms
bat.new 5 calls: 4.723 ms	bat.append 10 calls: 1.634 ms	algebra.sort 1 call: 387 us
sql.mvc 1 call: 215 us	batcalc.hge 1 call: 158 us	batcalc./ 1 call: 157 us
sql.resultSet 1 call: 118 us	querylog.define 1 call: 86 us	.*. 1 call: 77 us



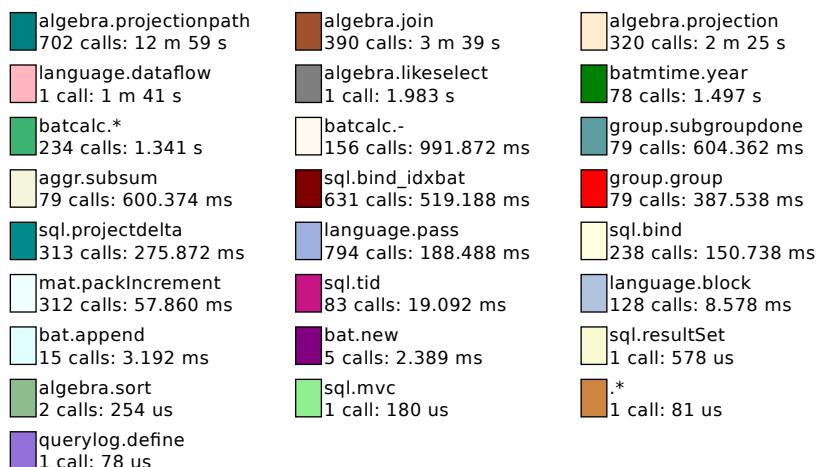
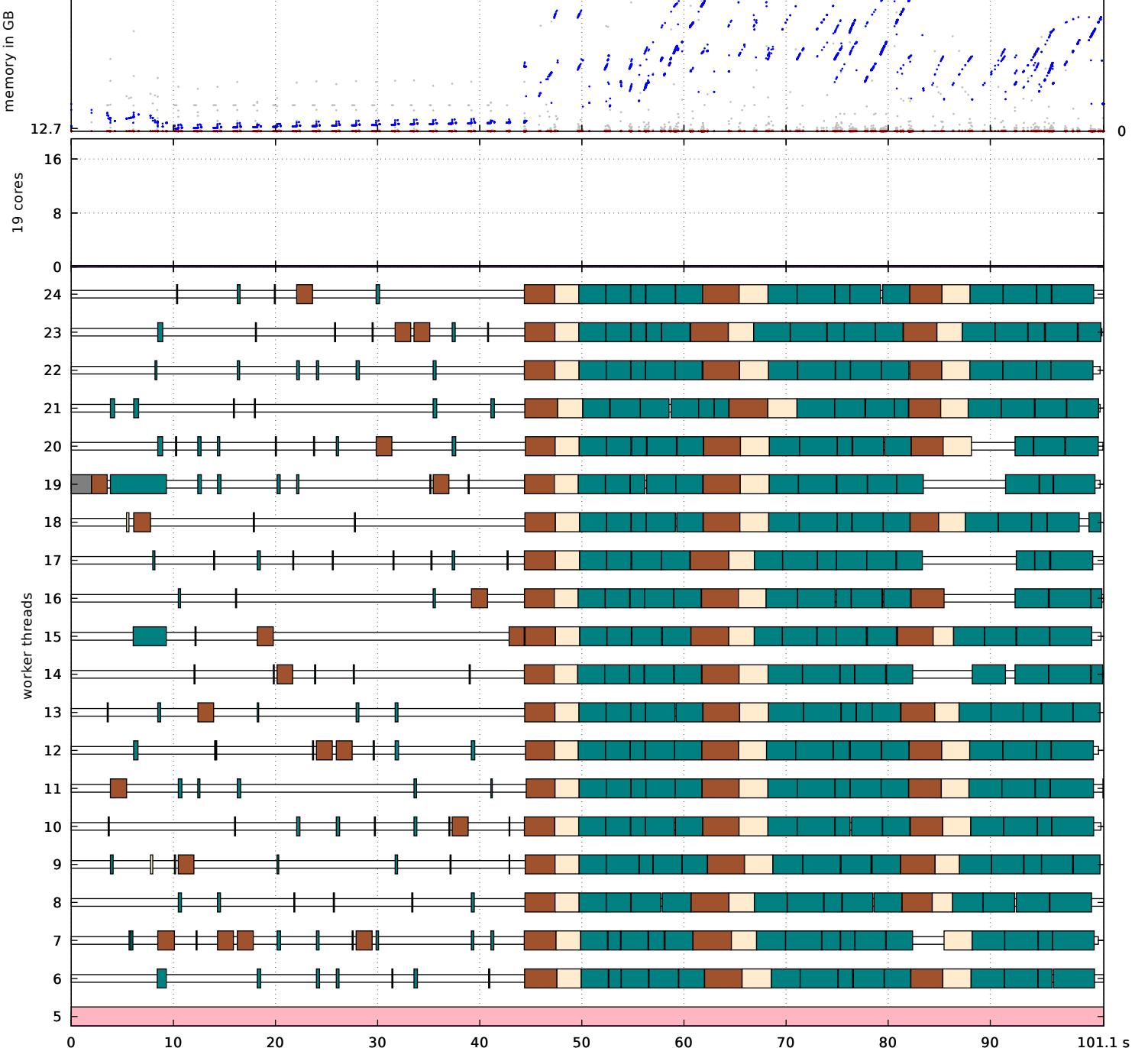
querylog.define
1 call: 105 us

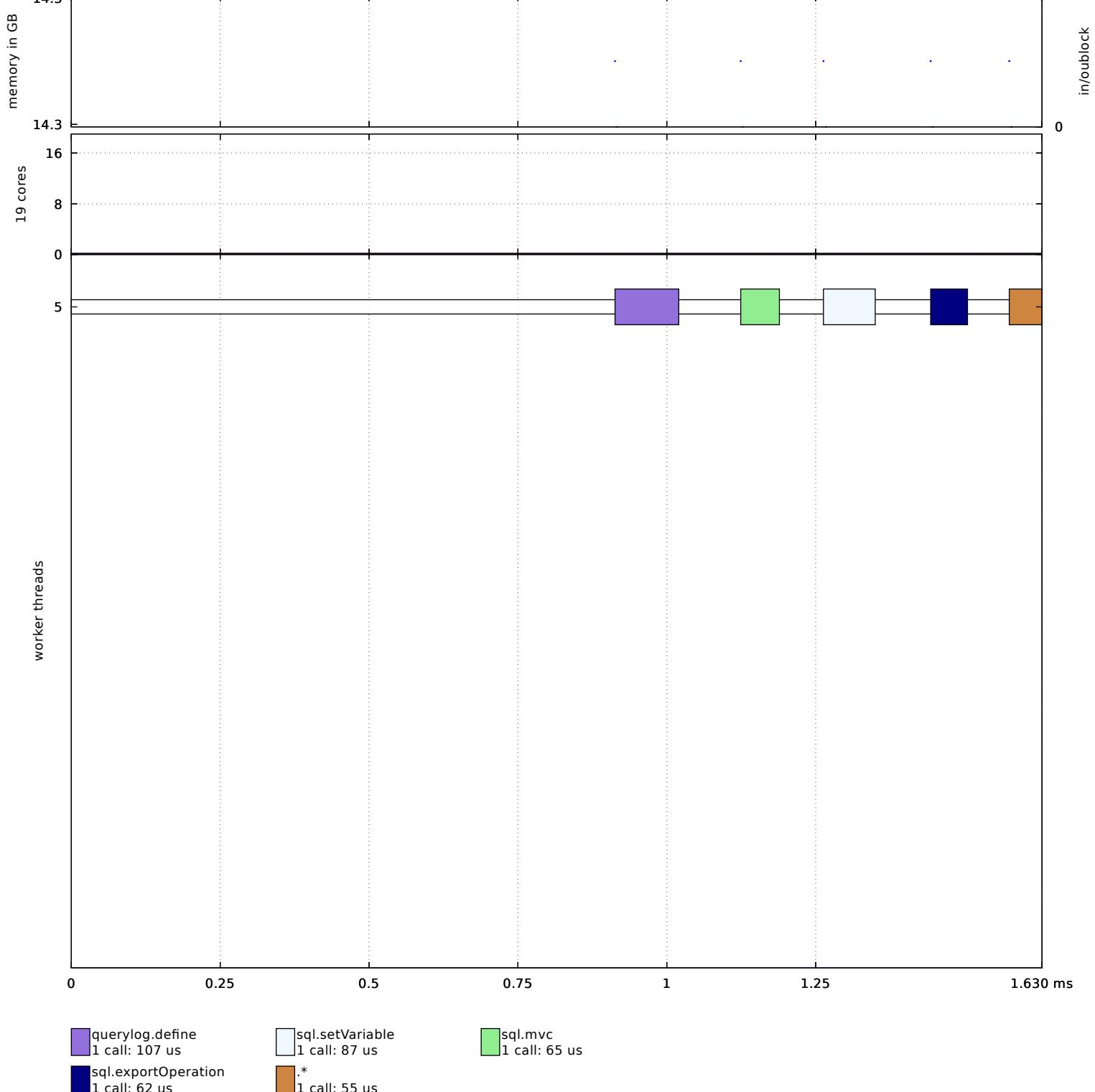
sql.exportOperation
1 call: 62 us

sql.setVariable
1 call: 87 us

*
1 call: 56 us

sql.mvc
1 call: 69 us

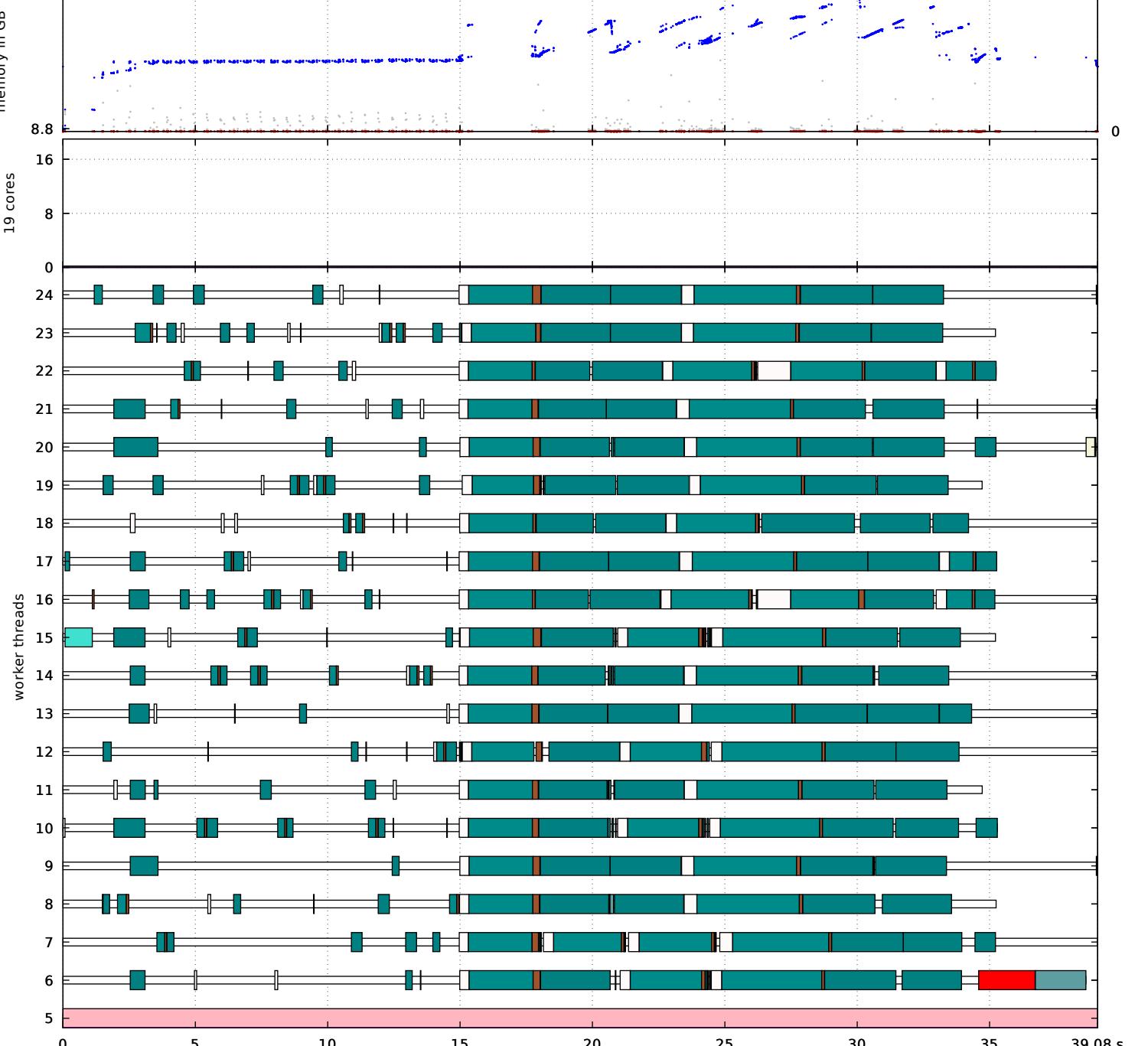


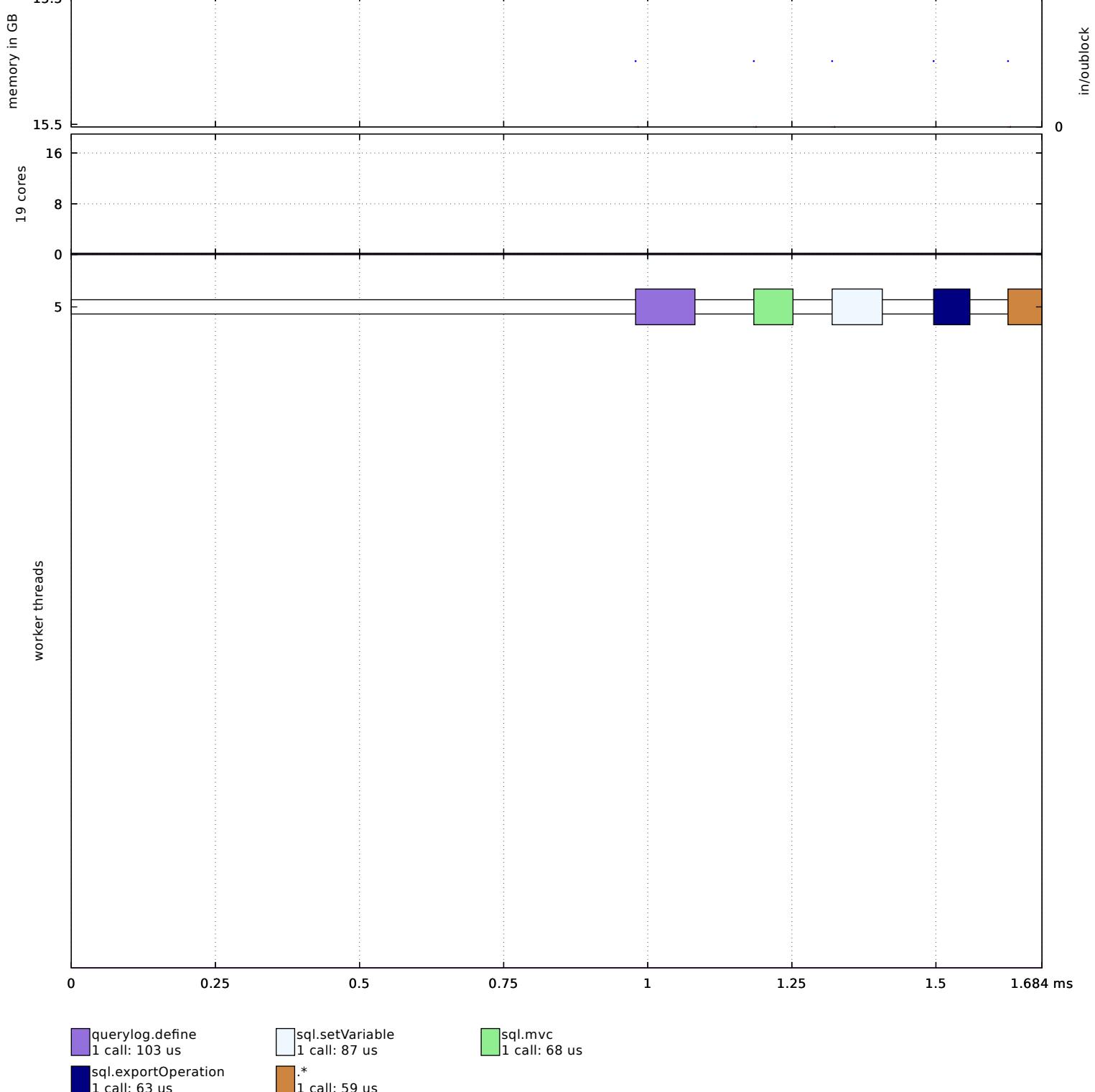


querylog.define
1 call: 107 us
sql.exportOperation
1 call: 62 us

sql.setVariable
1 call: 87 us
. *.
1 call: 55 us

sql.mvc
1 call: 65 us





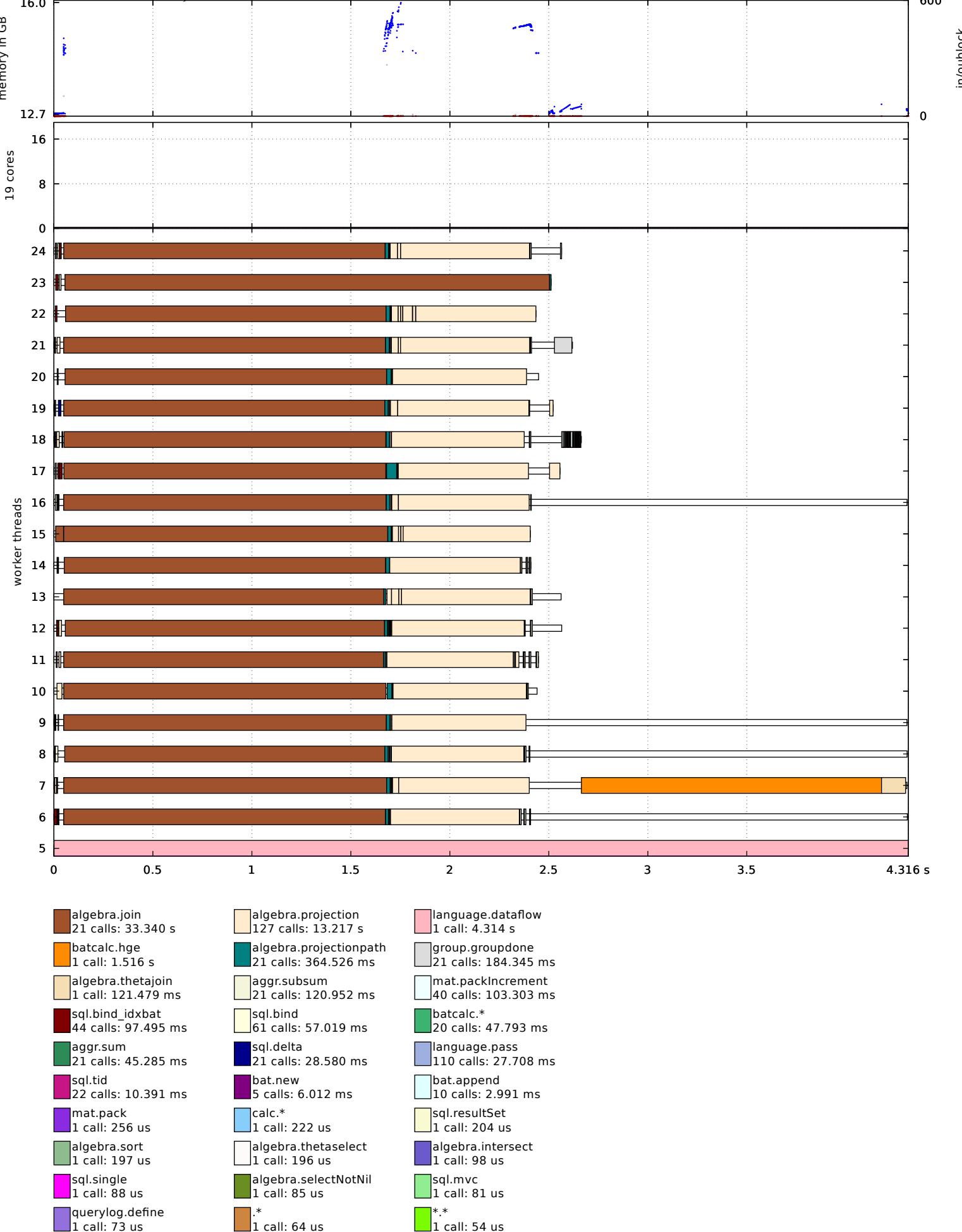
querylog.define
1 call: 103 us

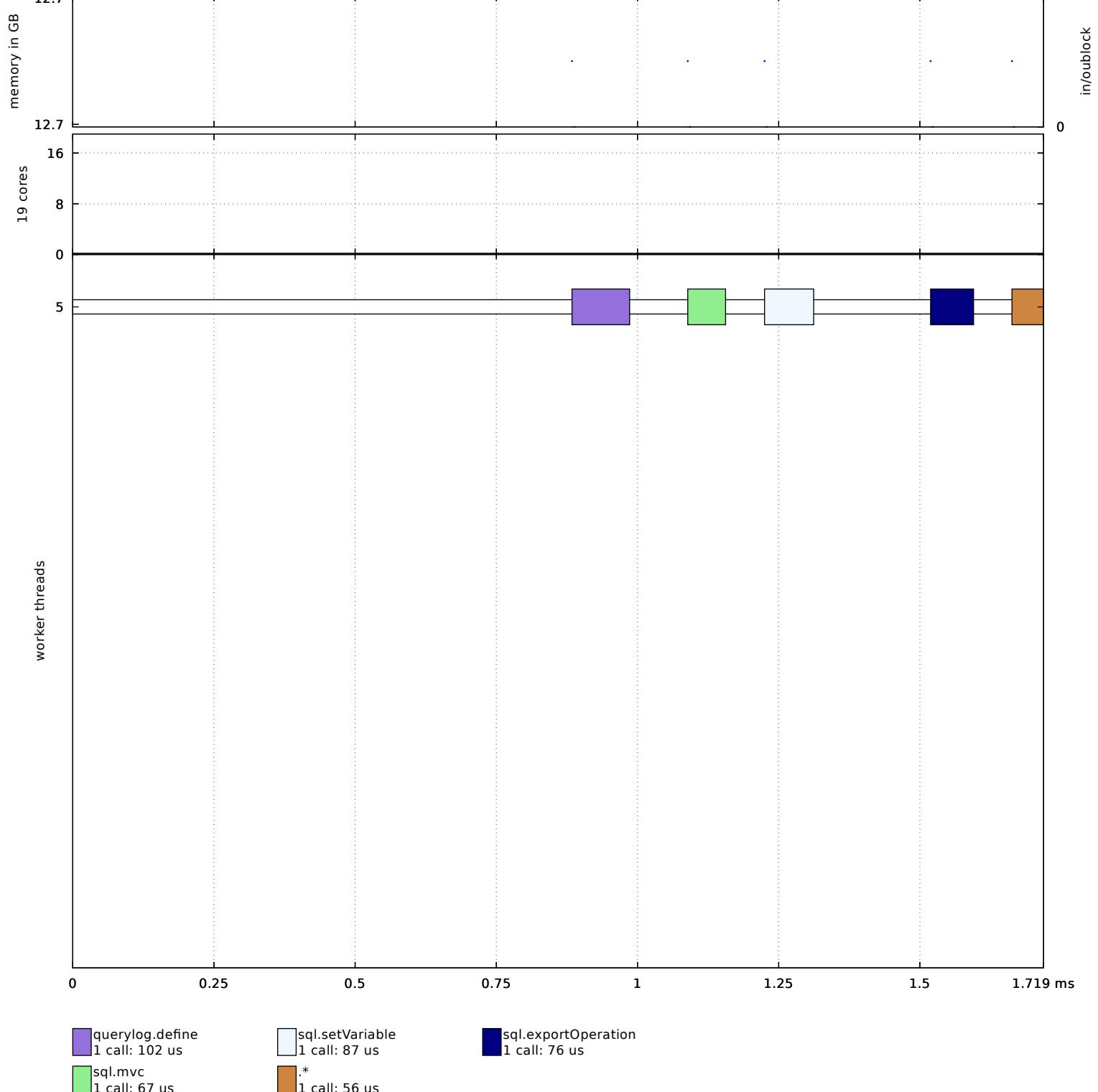
sql.exportOperation
1 call: 63 us

sql.setVariable
1 call: 87 us

.*
1 call: 59 us

sql.mvc
1 call: 68 us





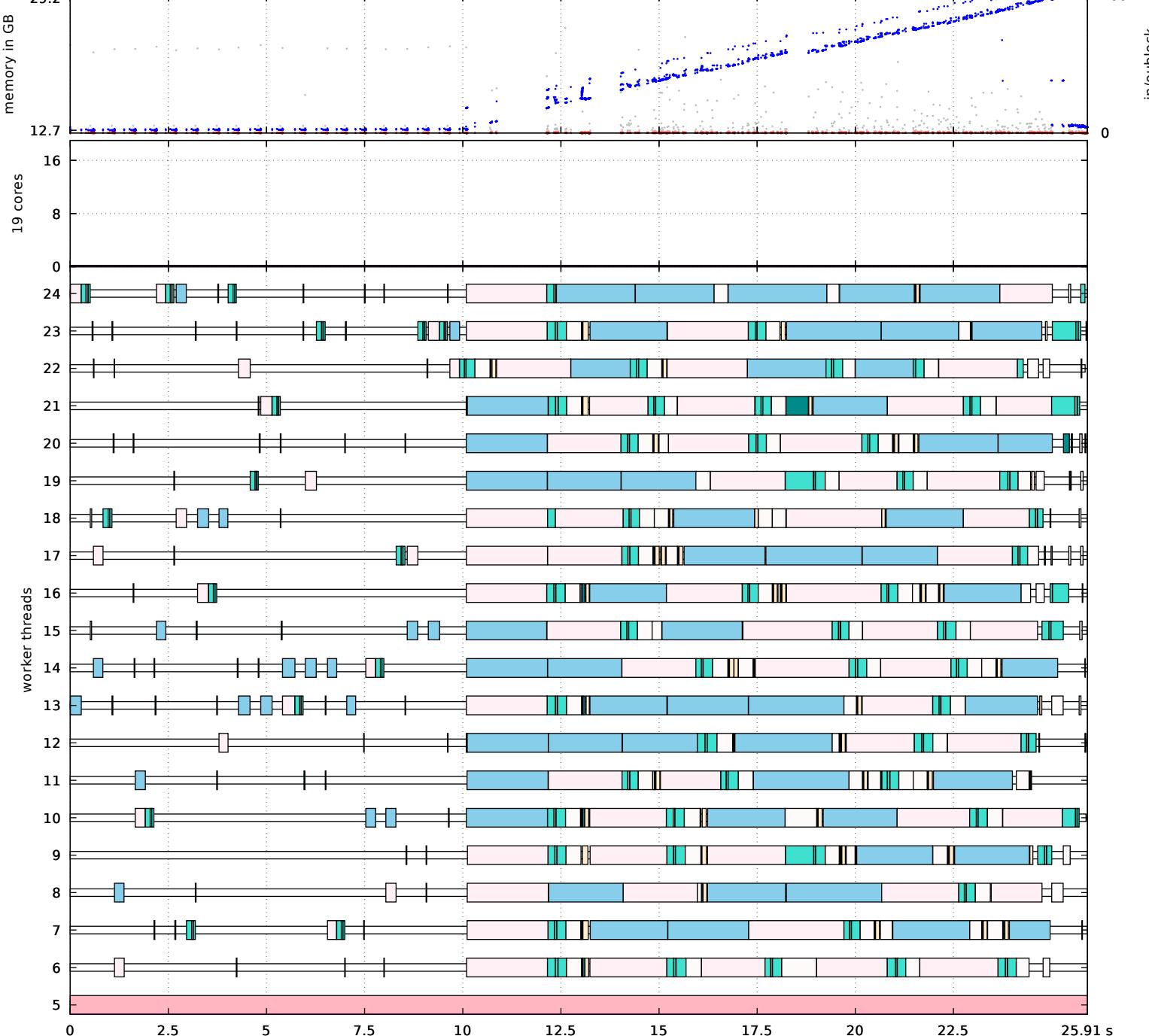
querylog.define
1 call: 102 us

sql.mvc
1 call: 67 us

sql.setVariable
1 call: 87 us

.*
1 call: 56 us

sql.exportOperation
1 call: 76 us



batcalc.>	batcalc.<	algebra.thetaselect
78 calls: 2 m 01 s	78 calls: 1 m 57 s	156 calls: 33.397 s
algebra.select	language.dataflow	algebra.projection
234 calls: 31.599 s	1 call: 25.911 s	161 calls: 5.266 s
sql.projectdelta	algebra.projectionpath	batcalc.==
78 calls: 2.344 s	78 calls: 597.347 ms	156 calls: 468.564 ms
batcalc.!≠	language.pass	batcalc.ifthenelse
156 calls: 464.945 ms	943 calls: 283.366 ms	312 calls: 232.113 ms
sql.bind_idxbat	sql.bind	aggr.subsum
157 calls: 204.446 ms	313 calls: 172.902 ms	158 calls: 164.062 ms
group.groupdone	bat.mergeand	batcalc.and
79 calls: 154.464 ms	156 calls: 127.588 ms	78 calls: 114.314 ms
batcalc.or	algebra.join	batcalc.isnil
78 calls: 107.229 ms	78 calls: 47.157 ms	156 calls: 36.519 ms
mat.packIncrement	sql.tid	language.block
234 calls: 32.119 ms	79 calls: 23.601 ms	128 calls: 20.018 ms
bat.new	bat.append	sql.mvc
5 calls: 3.475 ms	15 calls: 2.202 ms	1 call: 1.604 ms
algebra.sort	sql.resultSet	*.*
1 call: 301 us	1 call: 261 us	3 calls: 357 us

