



















| ID | % Complete | Task Name | Duration | Start | Finish | Resource Names | Qtr 2, 200 Apr |
|----|------------|---|-----------|-------------|--------------|-----------------|-------------------|
| 1 | 3% | DC3 | 232 days? | Thu 5/1/08 | Tue 3/31/09 | | |
| 2 | 20% | DC3 Management, Coordination and Support | 225 days | Thu 5/1/08 | Fri 3/20/09 | | |
| 3 | 20% | DC3 coordination | 219 days | Thu 5/1/08 | Fri 3/20/09 | DG[20%] | |
| 4 | 0% | Prepare hardware for DC3 tests | 5 days | Mon 7/28/08 | Fri 8/1/08 | | |
| 5 | 4% | Middleware | 200 days | Thu 5/1/08 | Fri 2/13/09 | | |
| 6 | 0% | SW Quality Assurance | 83 days | Thu 5/1/08 | Wed 9/3/08 | | |
| 7 | 0% | Software Quality Assurance: Planning | 83 days | Thu 5/1/08 | Wed 9/3/08 | | |
| 8 | 0% | Develop Framework of LSST DM Software Development PI | 12 days | Thu 5/1/08 | Wed 5/21/08 | | |
| 9 | 0% | Software Quality Assurance Plan | 15 days | Thu 5/1/08 | Wed 5/21/08 | RA[33%] | |
| 10 | 0% | Verification and Validation Plan | 15 days | Thu 5/1/08 | Wed 5/21/08 | RA[33%] | |
| 11 | 0% | Configuration Management Plan | 15 days | Thu 5/1/08 | Wed 5/21/08 | RA[33%] | |
| 12 | 0% | Verification and Validation: Tracking Requirement to Tested Product Release | 71 days | Thu 5/22/08 | Wed 9/3/08 | | |
| 13 | 0% | Standards: develop standard labelling scheme for products and their provenance. | 5 days | Thu 5/22/08 | Thu 5/29/08 | RA | |
| 14 | 0% | V and V: define the procedure whereby the initial requirements are traced to the validated product | 5 days | Thu 8/28/08 | Wed 9/3/08 | RA[50%] | |
| 15 | 0% | Develop Data Challenge 3 specialization of those SQA plans | 7 days | Fri 5/30/08 | Tue 6/17/08 | RA | |
| 16 | 0% | Evaluation of (commercially/open-source) available testing tools | 10 days | Wed 6/18/08 | Wed 8/6/08 | RA | |
| 17 | 0% | Decision on testing tool | 0 days | Wed 8/6/08 | Wed 8/6/08 | RA | |
| 18 | 0% | Verification and Validation: Acquire SQA support tools | 5 days | Thu 8/7/08 | Wed 8/13/08 | | |
| 19 | 0% | configurable tool to perform Lsst software standards checking | 5 days | Thu 8/7/08 | Wed 8/13/08 | RA[50%] | |
| 20 | 0% | coverage analysis tool | 5 days | Thu 8/7/08 | Wed 8/13/08 | RA[50%] | |
| 21 | 0% | Verification and Validation: Increased Validation Testing | 46 days | Tue 7/1/08 | Wed 9/3/08 | | |
| 22 | 0% | Standards: specify the testing requirements for each phase of Product development: | 36 days | Tue 7/1/08 | Wed 8/20/08 | | |
| 23 | 0% | implement automatic creation of integration test stubs from EA Use Cases | 20 days | Tue 7/1/08 | Tue 7/29/08 | Jeff B | |
| 24 | 0% | unit test: black box, white box, performance tests | 5 days | Thu 8/14/08 | Wed 8/20/08 | RA[25%] | |
| 25 | 0% | integration tests: black box, white box, performance, regression tests | 5 days | Thu 8/14/08 | Wed 8/20/08 | RA[25%] | |
| 26 | 0% | system tests: function, performance, interface, resource, security, portability, reliability, maintainability, safety | 5 days | Thu 8/14/08 | Wed 8/20/08 | RA[25%] | |
| 27 | 0% | acceptance tests: capability and constraint tests | 5 days | Thu 8/14/08 | Wed 8/20/08 | RA[25%] | |
| 28 | 0% | Standards: specify the pass/fail metrics for each test type (eg compliance levels) | 5 days | Thu 8/21/08 | Wed 8/27/08 | RA | |
| 29 | 0% | V and V: Refine the workflow process to incorporate additional V & V testing. | 5 days | Thu 8/28/08 | Wed 9/3/08 | RA[50%] | |
| 30 | | | | | | | |
| 31 | 5% | Build System | 132 days | Thu 5/1/08 | Tue 11/11/08 | | |
| 32 | 50% | update software distribution server | 8 days | Mon 6/2/08 | Fri 6/13/08 | DG[80%],RP[50%] | |

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|----------|---|-----------------|--|--------------------|---|
| Task |  | Milestone |  | External Tasks |  |
| Split |  | Summary |  | External Milestone |  |
| Progress |  | Project Summary |  | Deadline |  |










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|----|------------|--|-----------------|--------------------|---------------------|----------------|------------|
| | | | | | | | Apr |
| 33 | 0% | implement new package build mechanism | 22 days | Thu 5/1/08 | Mon 6/9/08 | RHL | |
| 34 | 30% | convert to new package build mechanism (remove dependency on | 5 days | Mon 6/16/08 | Fri 6/20/08 | DG[80%] | |
| 35 | 33% | enable support for 64-bit Linux | 5 days | Tue 7/8/08 | Mon 7/14/08 | RP[40%] | |
| 36 | 0% | VMs | 132 days | Thu 5/1/08 | Tue 11/11/08 | | |
| 37 | 0% | create and configure distributable VMs | 12 days | Thu 5/1/08 | Fri 5/16/08 | BB[25%] | |
| 38 | 0% | deploy SW stack on VMs | 5 days | Mon 8/4/08 | Fri 8/8/08 | BB[50%] | |
| 39 | 0% | (BB) support distributable VMs for new developers | 67 days | Mon 8/11/08 | Tue 11/11/08 | BB[5%] | |
| 40 | 0% | deploy automated, multi-platform testing system | 88 days | Thu 5/1/08 | Wed 9/10/08 | | |
| 41 | 0% | investigate continous integration systems | 12 days | Thu 5/1/08 | Fri 5/16/08 | BB[25%] | |
| 42 | 0% | decide on continous integration system | 0 days | Fri 5/16/08 | Fri 5/16/08 | BB | |
| 43 | 0% | install and configure initial testing system | 15 days | Fri 6/20/08 | Fri 7/11/08 | BB[50%] | |
| 44 | 0% | configure test sytem for automated V&V | 5 days | Thu 9/4/08 | Wed 9/10/08 | BB[45%] | |
| 45 | 0% | create better templates for SConstruct, SConscript, and Swig .i file | 5 days | Tue 6/10/08 | Mon 6/16/08 | KTL[20%] | |
| 46 | 8% | implement Software Quality Assurance procedures relevant to build process | 20 days | Mon 7/14/08 | Fri 8/8/08 | | |
| 47 | 10% | within Ticket branch development | 5 days | Mon 7/14/08 | Fri 7/18/08 | | |
| 48 | 10% | build warnings if coding standards check fails | 2 days | Mon 7/14/08 | Tue 7/15/08 | DG[80%] | |
| 49 | 10% | build warnings if unittest doesn't satisfy DC3 coverage requirement | 3 days | Wed 7/16/08 | Fri 7/18/08 | DG[80%] | |
| 50 | 10% | within Trunk branch development (generally merge from Ticket branch) | 5 days | Mon 7/21/08 | Fri 7/25/08 | | |
| 51 | 10% | build failure if unittest doesn't satisfy DC3 coverage require | 2 days | Mon 7/21/08 | Tue 7/22/08 | DG[80%] | |
| 52 | 10% | build failure if coding standards check fails | 3 days | Wed 7/23/08 | Fri 7/25/08 | DG[80%] | |
| 53 | 10% | Nightly build of development trunk | 5 days | Mon 7/28/08 | Fri 8/1/08 | | |
| 54 | 10% | any failures cause automatic 'Failed Nightly Build' ticket at high priority | 5 days | Mon 7/28/08 | Fri 8/1/08 | DG[80%] | |
| 55 | 0% | Production Release sanity check | 5 days | Mon 8/4/08 | Fri 8/8/08 | | |
| 56 | 0% | any failure causes automatic 'Failed Production sanity check' ticket at high priority | 2 days | Mon 8/4/08 | Tue 8/5/08 | DG[80%] | |
| 57 | 0% | auxiliary automatic notification to highest authority on failure (separate from ticket notification) | 3 days | Wed 8/6/08 | Fri 8/8/08 | DG[80%] | |
| 58 | 0% | Configuration Management: 'Build' upgrade | 10 days | Mon 8/11/08 | Fri 8/22/08 | | |
| 59 | 0% | Standards: specify requirement to version and archive build's provenance; | 2 days | Mon 8/11/08 | Tue 8/12/08 | DG[80%] | |
| 60 | 0% | Configuration Management: define procedure to satisfy that requirement; | 3 days | Wed 8/13/08 | Fri 8/15/08 | DG[80%] | |
| 61 | 0% | Configuration Management: implement its instantiation. | 5 days | Mon 8/18/08 | Fri 8/22/08 | DG[80%] | |
| 62 | | | | | | | |
| 63 | 5% | Database | 168 days | Tue 6/24/08 | Fri 2/13/09 | | |
| 64 | 5% | Provenance | 43 days | Wed 7/23/08 | Fri 9/19/08 | | |

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| Split |  | Summary |  | External Milestone |  |
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| ID | % Complete | Task Name | Duration | Start | Finish | Resource Names | Qtr 2, 200 |
|-----|------------|---|-----------------|---------------------|---------------------|-------------------------|------------|
| | | | | | | | Apr |
| 65 | 75% | DC2 Policy capture | 3 days | Wed 7/23/08 | Fri 7/25/08 | KTL[10%] | |
| 66 | 0% | DC3 provenance capture | 10 days | Mon 8/11/08 | Fri 8/22/08 | KTL[10%] | |
| 67 | 0% | capturing full SW/HW info | 10 days | Mon 8/25/08 | Fri 9/5/08 | JB[5%],KTL[20%] | |
| 68 | 0% | demonstrating re-creation of Calibrated Science Images | 20 days | Mon 8/25/08 | Fri 9/19/08 | JB[5%],KTL[20%] | |
| 69 | 10% | Supporting data release pipelines | 168 days | Tue 6/24/08 | Fri 2/13/09 | | |
| 70 | 0% | regularize the storage and access to image metadata | 15 days | Mon 7/28/08 | Fri 8/15/08 | KTL[20%] | |
| 71 | 0% | support persistence and retrieval of nightly pipeline products ar | 15 days | Mon 9/15/08 | Fri 10/3/08 | KTL[20%] | |
| 72 | 0% | support persistence and retrieval of deep detection products ar | 25 days | Mon 12/8/08 | Fri 1/9/09 | IB[10%],KTL[20%],AH[5%] | |
| 73 | 80% | removing coral | 16 days | Tue 6/24/08 | Fri 7/18/08 | KTL[30%] | |
| 74 | 0% | plan & setup database for DC3-nightly | 20 days | Mon 8/4/08 | Fri 8/29/08 | JB[20%],KTL[5%] | |
| 75 | 0% | plan & setup database for DC3-deepDet | 20 days | Mon 9/1/08 | Fri 9/26/08 | JB[20%],KTL[5%] | |
| 76 | 0% | image archive development, including template storage | 25 days | Mon 8/18/08 | Fri 9/19/08 | JB[5%],KTL[20%] | |
| 77 | 25% | research objectId synchronization between data releases | 22 days | Tue 7/1/08 | Thu 7/31/08 | JB[10%],KTL[5%],SM[5%] | |
| 78 | 0% | implement objectId synchronization between data releases (nc | 22 days | Thu 1/15/09 | Fri 2/13/09 | JB[20%],KTL[5%],SM[5%] | |
| 79 | 0% | Database schema | 65 days | Mon 11/17/08 | Fri 2/13/09 | | |
| 80 | 0% | extend schema to support DC3 nightly | 5 days | Mon 11/17/08 | Fri 11/21/08 | JB[25%],KTL[5%] | |
| 81 | 0% | extend schema to support DC3 deep detection | 20 days | Mon 11/24/08 | Fri 12/19/08 | JB[25%],KTL[5%] | |
| 82 | 0% | integrate MOPS schema with baseline schema | 15 days | Mon 1/26/09 | Fri 2/13/09 | JB[25%],FP[5%] | |
| 83 | 0% | Expanding match algorithms | 65 days | Mon 9/1/08 | Fri 11/28/08 | JB[5%],KTL[10%] | |
| 84 | 0% | MWI improvements | 75 days | Tue 7/1/08 | Tue 10/14/08 | | |
| 85 | 0% | policy/data property integration | 15 days | Mon 7/14/08 | Fri 8/1/08 | KTL[20%],RP[10%] | |
| 86 | 0% | exception improvements | 15 days | Mon 7/21/08 | Fri 8/8/08 | KTL[20%] | |
| 87 | 0% | persistence framework refinement | 10 days | Wed 10/1/08 | Tue 10/14/08 | KTL[20%] | |
| 88 | 0% | shared pointer improvements | 10 days | Mon 7/14/08 | Fri 7/25/08 | KTL[20%] | |
| 89 | 0% | SDQA architecture support | 20 days | Tue 7/1/08 | Thu 7/31/08 | KTL[5%] | |
| 90 | | | | | | | |
| 91 | 0% | Event Framework | 105 days | Thu 5/1/08 | Fri 10/3/08 | | |
| 92 | 0% | Develop usecases | 12 days | Thu 5/1/08 | Fri 5/16/08 | SP | |
| 93 | 0% | Update event packages | 12 days | Tue 5/27/08 | Fri 6/13/08 | SP[25%] | |
| 94 | 0% | Implement configurable on-the-fly event processing (1) | 17 days | Tue 5/27/08 | Fri 6/20/08 | SP[75%] | |
| 95 | 0% | Implement configurable on-the-fly event processing (2) | 30 days | Mon 6/23/08 | Mon 8/18/08 | SP[50%] | |
| 96 | 0% | Event system failover | 6 days | Tue 8/19/08 | Tue 8/26/08 | SP[50%] | |
| 97 | 0% | Configure event monitoring for fault system | 10 days | Mon 9/8/08 | Fri 9/19/08 | SP | |
| 98 | 0% | Configure event monitoring for log analysis | 10 days | Mon 9/22/08 | Fri 10/3/08 | SP | |
| 99 | | | | | | | |
| 100 | 0% | Middleware Interface | 10 days | Mon 8/4/08 | Fri 8/15/08 | | |
| 101 | 0% | Merge trace and logging | 10 days | Mon 8/4/08 | Fri 8/15/08 | RP[50%] | |
| 102 | | | | | | | |

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|-----|------------|--|------------------|--------------------|---------------------|-------------------------|------------|
| | | | | | | | Apr |
| 103 | 0% | Pipeline Harness extensions ¶ | 74 days | Thu 5/1/08 | Thu 8/21/08 | | |
| 104 | 0% | Develop usecases | 12 days | Thu 5/1/08 | Fri 5/16/08 | GD[50%] | |
| 105 | 0% | Complete design for data sharing among Slices | 15 days | Tue 5/27/08 | Mon 6/16/08 | | |
| 106 | 0% | Support use cases for interSlice communication | 15 days | Tue 5/27/08 | Mon 6/16/08 | | |
| 107 | 0% | identify neighbors of a Slice: known in advance, or dynam | 5 days | Tue 5/27/08 | Mon 6/2/08 | GD[50%] | |
| 108 | 0% | identify data types that are transmitted in each use case | 5 days | Tue 6/3/08 | Mon 6/9/08 | GD[50%] | |
| 109 | 0% | Determine level at which communication occurs | 5 days | Tue 6/10/08 | Mon 6/16/08 | GD[50%] | |
| 110 | 0% | Implement data sharing mechanisms | 22 days | Tue 6/17/08 | Thu 7/17/08 | | |
| 111 | 0% | Work to support communication of general serializable types o | 22 days | Tue 6/17/08 | Thu 7/17/08 | GD[50%] | |
| 112 | 0% | Develop mechanisms for identifying/accessing | 20 days | Fri 7/18/08 | Thu 8/21/08 | GD[50%] | |
| 113 | | | | | | | |
| 114 | 30% | Fault Tolerance | 79 days | Mon 6/16/08 | Fri 10/3/08 | | |
| 115 | 50% | Fault tolerance plan | 29 days | Mon 6/16/08 | Thu 7/31/08 | [5%],RO[5%],Gregory[5%] | |
| 116 | 0% | Improving exception handling | 20 days | Mon 9/8/08 | Fri 10/3/08 | GD[50%] | |
| 117 | | | | | | | |
| 118 | 0% | Pipeline Orchestration Layer | 85 days | Thu 5/1/08 | Fri 9/5/08 | | |
| 119 | 0% | Develop usecases | 12 days | Thu 5/1/08 | Fri 5/16/08 | RP[50%] | |
| 120 | 0% | fill out the design of the orchestration layer, identify the component | 10 days | Tue 5/27/08 | Mon 7/7/08 | RP[40%] | |
| 121 | 0% | implement an orchestration layer | 30 days | Mon 7/21/08 | Fri 8/29/08 | BB[45%],SP[50%] | |
| 122 | 0% | "life-support" services | 5 days | Mon 9/1/08 | Fri 9/5/08 | SP | |
| 123 | | | | | | | |
| 124 | 0% | Applications | 216 days? | Mon 6/2/08 | Tue 3/31/09 | | |
| 125 | 0% | Applications Framework | 59 days | Mon 6/9/08 | Fri 8/29/08 | | |
| 126 | 0% | update from DC2 | 59 days | Mon 6/9/08 | Fri 8/29/08 | RHL[25%] | |
| 127 | 0% | Nightly Processing | 151 days | Mon 6/2/08 | Tue 12/30/08 | | |
| 128 | 0% | association pipeline improvements | 108 days | Fri 8/1/08 | Tue 12/30/08 | | |
| 129 | 0% | association pipeline improvements to DC2 | 108 days | Fri 8/1/08 | Tue 12/30/08 | SM[40%],KTL[3%] | |
| 130 | 0% | add proper motion, color dependent refraction and source listin | 40 days | Mon 10/6/08 | Fri 11/28/08 | SM[20%],KTL[10%] | |
| 131 | 0% | instrument signature removal | 129 days | Mon 6/2/08 | Fri 11/28/08 | | |
| 132 | 0% | implement infrastructure & standard astronomical CCD image ¶ | 89 days | Mon 6/2/08 | Fri 10/3/08 | NS[75%] | |
| 133 | 0% | implement selected additional signature removal, eg crosstalk | 40 days | Mon 10/6/08 | Fri 11/28/08 | NS[75%] | |
| 134 | 0% | generate usable PSF model for DC3 tasks | 69 days | Mon 6/30/08 | Fri 10/3/08 | RHL[10%],AB[50%] | |
| 135 | 0% | produce negotiated diagnostic metrics for use by SDQA | 64 days | Tue 9/2/08 | Fri 11/28/08 | All | |
| 136 | 0% | MOPS | 64 days | Tue 9/2/08 | Fri 11/28/08 | | |
| 137 | 0% | tweaks to nightly MOPS | 64 days | Tue 9/2/08 | Fri 11/28/08 | FP[20%],JM[30%] | |
| 138 | 0% | integration of DayMOPS into LSST | 64 days | Tue 9/2/08 | Fri 11/28/08 | JM[20%],FP[10%] | |
| 139 | 0% | improve WCS determination | 40 days | Mon 10/6/08 | Fri 11/28/08 | AB[10%],TA[20%] | |
| 140 | 0% | improve basis functions | 40 days | Mon 10/6/08 | Fri 11/28/08 | AB[10%],RHL[10%] | |

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|-----|------------|--|------------------|--------------------|---------------------|------------------------|-------------------|
| 141 | 0% | source characterization for stars and galaxies | 40 days | Mon 10/6/08 | Fri 11/28/08 | AB[10%],RHL[10%] | |
| 142 | 0% | Data Release Processing | 195 days? | Tue 7/1/08 | Tue 3/31/09 | | |
| 143 | 10% | regularize the storage and access to image metadata* | 15 days | Mon 7/28/08 | Fri 8/15/08 | KTL[20%],RO[10%] | |
| 144 | 0% | image coaddition: image resampling/stacking/combining | 68 days | Tue 7/1/08 | Fri 10/3/08 | RHL[10%],AB[20%] | |
| 145 | 10% | image retrieval service | 25 days | Mon 7/21/08 | Fri 8/22/08 | KTL[50%] | |
| 146 | 0% | photometric calibration: simulate pipeline algorithms, handle time d | 90 days | Tue 9/2/08 | Mon 1/5/09 | TA[20%] | |
| 147 | 0% | deep detection | 130 days? | Wed 10/1/08 | Tue 3/31/09 | | |
| 148 | 0% | detection in coadded image | 89 days | Wed 10/1/08 | Mon 2/2/09 | AB[10%],RHL[10%] | |
| 149 | 0% | psf stellar photometry | 109 days | Wed 10/1/08 | Mon 3/2/09 | AB[10%],RHL[10%] | |
| 150 | 0% | deblending confused sources | 130 days | Wed 10/1/08 | Tue 3/31/09 | AB[10%],RHL[10%] | |
| 151 | 0% | galaxy (extended source) photometry framework | 130 days? | Wed 10/1/08 | Tue 3/31/09 | AB[10%],RHL[10%] | |
| 152 | 0% | background estimation | 87 days? | Mon 12/1/08 | Tue 3/31/09 | AB[10%],RHL[10%] | |
| 153 | 0% | Implement algorithm for co-adding images to produce a template i | 131 days | Fri 8/1/08 | Fri 1/30/09 | AC[50%] | |
| 154 | 0% | multifit: shape measurements and photometry for galaxies | 109 days | Wed 10/1/08 | Mon 3/2/09 | DW[30%] | |
| 155 | 0% | astrometric calibration: determine low order terms | 130 days | Wed 10/1/08 | Tue 3/31/09 | DM[20%] | |
| 156 | 0% | photometric calibration: run algorithms against CFHT data | 62 days | Mon 1/5/09 | Tue 3/31/09 | TA[10%] | |
| 157 | 0% | SDQA diagnostic generation | 65 days | Tue 9/2/08 | Mon 12/1/08 | ,DW[5%],DM[5%],TA[5%] | |
| 158 | 13% | Database | 123 days | Tue 6/10/08 | Fri 11/28/08 | | |
| 159 | 30% | integrate MOPS schema with baseline schema* | 15 days | Tue 6/10/08 | Mon 6/30/08 | JB[5%],FP[5%],SM[20%] | |
| 160 | 0% | integrate SDQA persistence into schema | 20 days | Mon 11/3/08 | Fri 11/28/08 | JB[20%],KTL[5%] | |
| 161 | 0% | SDQA | 194 days | Mon 6/2/08 | Fri 2/27/09 | | |
| 162 | 0% | determine SDQA architecture | 89 days | Mon 6/2/08 | Fri 10/3/08 | DL[20%],RL[10%] | |
| 163 | 0% | Implement one or more use case end to end | 170 days | Mon 7/7/08 | Fri 2/27/09 | L[20%],RL[10%],VM[10%] | |
| 164 | 0% | Data | 86 days? | Mon 6/2/08 | Tue 9/30/08 | | |
| 165 | 0% | created simulated data for the difference, template, deep detector | 65 days | Tue 7/1/08 | Tue 9/30/08 | AC[50%] | |
| 166 | 0% | provide CFHT data | 42 days? | Mon 6/2/08 | Tue 9/2/08 | TA[10%] | |
| 167 | | | | | | | |
| 168 | 13% | non-DC3 activities | 297 days | Thu 5/1/08 | Tue 6/30/09 | | |
| 169 | 13% | DB group | 297 days | Thu 5/1/08 | Tue 6/30/09 | | |
| 170 | 0% | improve trac db documentation for PDR | 20 days | Mon 11/3/08 | Fri 11/28/08 | JB[10%] | |
| 171 | 15% | management | 297 days | Thu 5/1/08 | Tue 6/30/09 | | |
| 172 | 20% | hiring | 54 days | Tue 7/1/08 | Mon 9/15/08 | JB[10%] | |
| 173 | 15% | telecons | 297 days | Thu 5/1/08 | Tue 6/30/09 | JB[10%],KTL[5%] | |
| 174 | 15% | others unclassified (SOW, status reports, planning etc) | 297 days | Thu 5/1/08 | Tue 6/30/09 | JB[10%] | |
| 175 | 0% | ADASS (prep, attending) | 15 days | Mon 9/22/08 | Fri 10/10/08 | JB[10%],KTL[5%] | |
| 176 | 0% | VLDB'09 prep | 15 days | Mon 1/26/09 | Fri 2/13/09 | KTL[10%] | |
| 177 | 0% | Possibly CIDR'09 prep | 15 days | Thu 7/24/08 | Wed 8/13/08 | JB[10%],KTL[10%] | |
| 178 | 0% | coordinate defining common LSST vocabulary (UCDs) | 107 days | Mon 2/2/09 | Tue 6/30/09 | JB[5%] | |

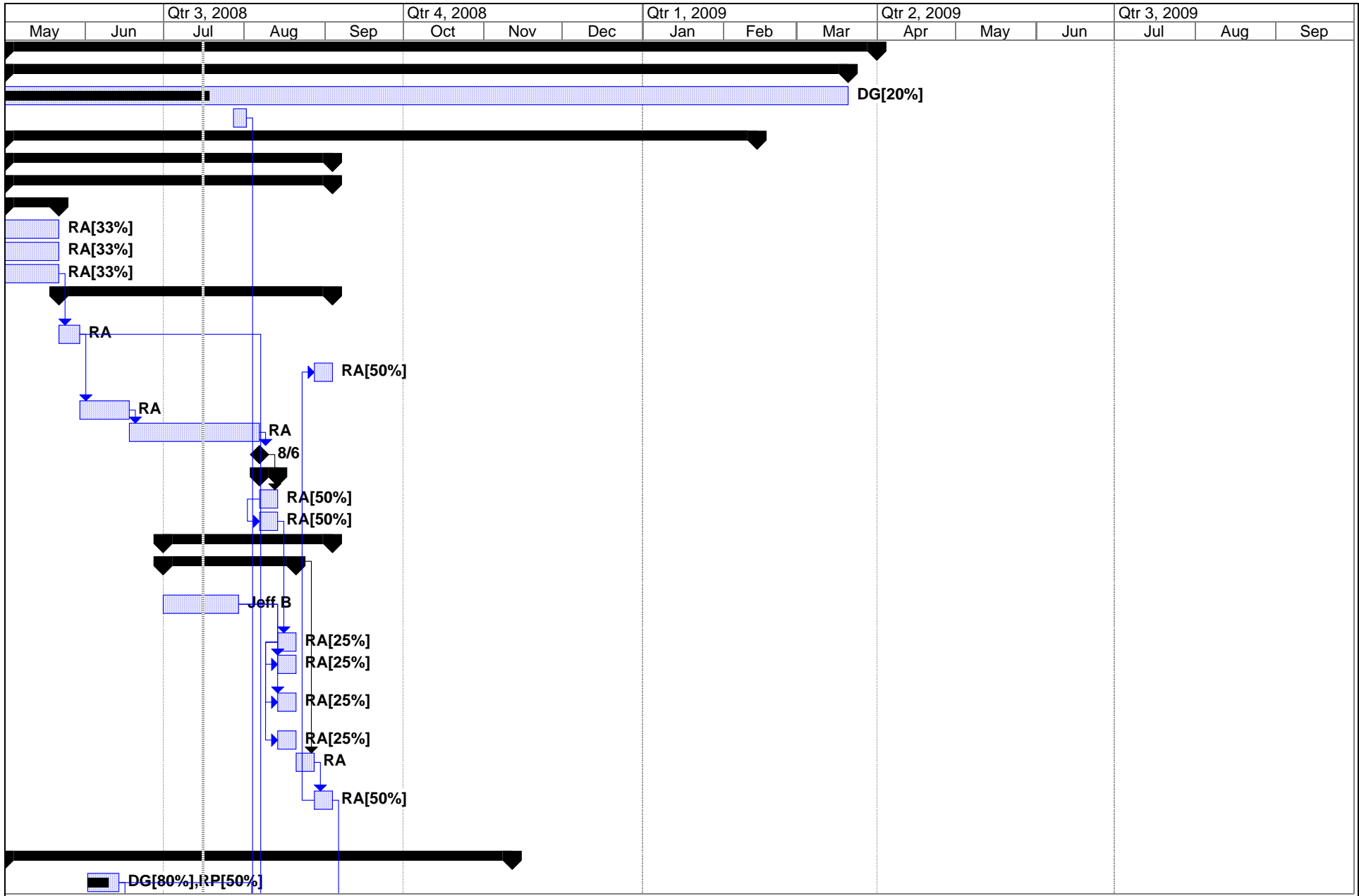
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| Task |  | Milestone |  | External Tasks |  |
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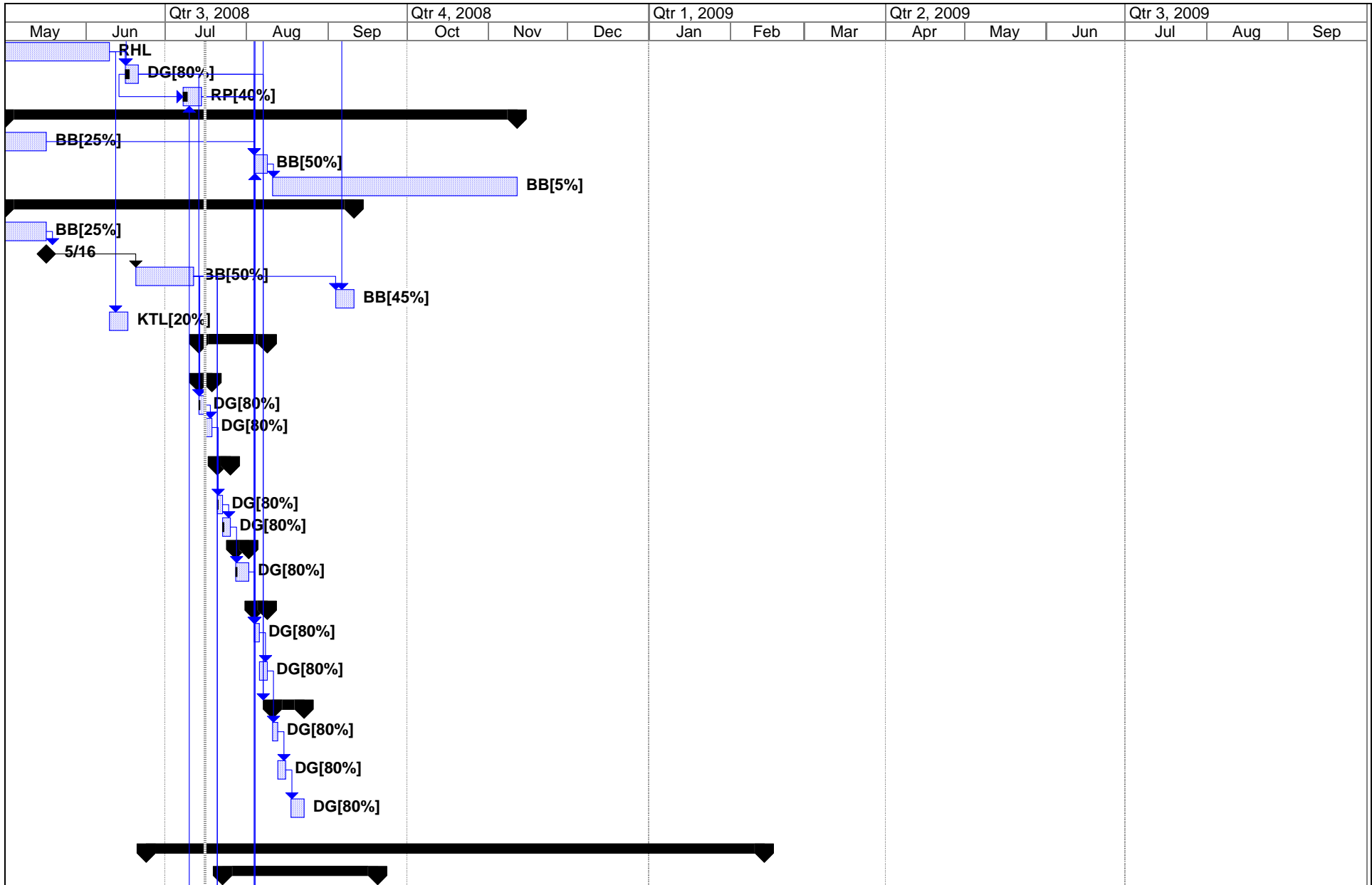
| ID | % Complete | Task Name | Duration | Start | Finish | Resource Names | Qtr 2, 200 |
|-----|------------|---|-----------------|--------------------|---------------------|------------------------|------------|
| | | | | | | | Apr |
| 179 | 0% | schema browser | 37 days | Fri 5/1/09 | Mon 6/22/09 | JB[20%] | |
| 180 | 16% | sciDB | 297 days | Thu 5/1/08 | Tue 6/30/09 | | |
| 181 | 100% | initiating sciDB | 37 days | Thu 5/1/08 | Mon 6/30/08 | JB[50%],KTL[30%] | |
| 182 | 45% | sciDB steering and building community | 99 days | Thu 5/1/08 | Tue 9/30/08 | JB[20%],KTL[5%] | |
| 183 | 20% | sciDB design and implementation - I | 44 days | Tue 7/1/08 | Mon 9/1/08 | [5%],KTL[20%],TBD[30%] | |
| 184 | 0% | sciDB design and implementation - II (change in personnel) | 216 days | Tue 9/2/08 | Tue 6/30/09 | [5%],KTL[45%],TBD[30%] | |
| 185 | 7% | outreach, fund raising and proposals (DoE, NSF, other labs) | 271 days | Mon 6/16/08 | Tue 6/30/09 | JB[3%] | |
| 186 | 13% | Large scale tests | 297 days | Thu 5/1/08 | Tue 6/30/09 | | |
| 187 | 60% | interact with sciCollab chairs, refresh list of common queries | 15 days | Tue 7/1/08 | Tue 7/22/08 | JB[10%] | |
| 188 | 0% | interact with sciCollab chairs, refresh list of common queries | 15 days | Mon 12/1/08 | Fri 12/19/08 | JB[10%] | |
| 189 | 15% | research new db technologies | 297 days | Thu 5/1/08 | Tue 6/30/09 | JB[2%],KTL[2%],AH[2%] | |
| 190 | 70% | work with UW on scheduling bigtable tests | 43 days | Mon 6/2/08 | Thu 7/31/08 | JB[2%] | |
| 191 | 0% | prepare schema for bigtable tests | 27 days | Tue 7/1/08 | Fri 8/8/08 | JB[20%],KTL[5%] | |
| 192 | 0% | assist google intern with tests, alternative: run hypertable tests | 65 days | Fri 8/8/08 | Fri 11/7/08 | JB[10%],KTL[5%] | |
| 193 | 45% | preparing testbed for scalability tests, incl sim data | 22 days | Tue 7/1/08 | Thu 7/31/08 | JB[5%],AH[5%] | |
| 194 | 0% | test gridSQL | 43 days | Fri 8/1/08 | Tue 9/30/08 | AH[20%] | |
| 195 | 0% | run large scale tests | 43 days | Fri 8/1/08 | Tue 9/30/08 | JB[5%],KTL[5%],AH[20%] | |
| 196 | 0% | tune/optimize large scale tests (1) | 43 days | Mon 11/3/08 | Wed 12/31/08 | JB[5%],KTL[5%],AH[20%] | |
| 197 | 0% | rerun large scale tests, increase complexity (queries, concurrency) | 42 days | Thu 1/1/09 | Fri 2/27/09 | JB[5%],KTL[5%],AH[20%] | |
| 198 | 0% | tune/optimize large scale tests (2) | 44 days | Mon 3/2/09 | Thu 4/30/09 | JB[5%],KTL[5%],AH[20%] | |
| 199 | 0% | write document refining baseline db architecture | 15 days | Fri 5/1/09 | Thu 5/21/09 | [30%],KTL[30%],AH[20%] | |
| 200 | 0% | investigate internal file format for image pixels | 86 days | Fri 8/1/08 | Fri 11/28/08 | JB[5%],KTL[5%] | |
| 201 | 12% | XLDB2 | 76 days | Tue 7/1/08 | Wed 10/15/08 | | |
| 202 | 15% | XLDB2 prep | 63 days | Tue 7/1/08 | Fri 9/26/08 | JB[10%],KTL[5%] | |
| 203 | 0% | XLDB2 | 2 days | Mon 9/29/08 | Tue 9/30/08 | JB,KTL | |
| 204 | 0% | XLDB2 report | 11 days | Wed 10/1/08 | Wed 10/15/08 | JB[20%],KTL[20%] | |
| 205 | | | | | | | |
| 206 | 0% | NCSA | 10 days | Mon 7/21/08 | Fri 8/1/08 | | |
| 207 | 0% | Security Document | 10 days | Mon 7/21/08 | Fri 8/1/08 | BB[25%] | |

Project: LSST-DC3-v1.8-updated-07.1
Date: Wed 7/16/08

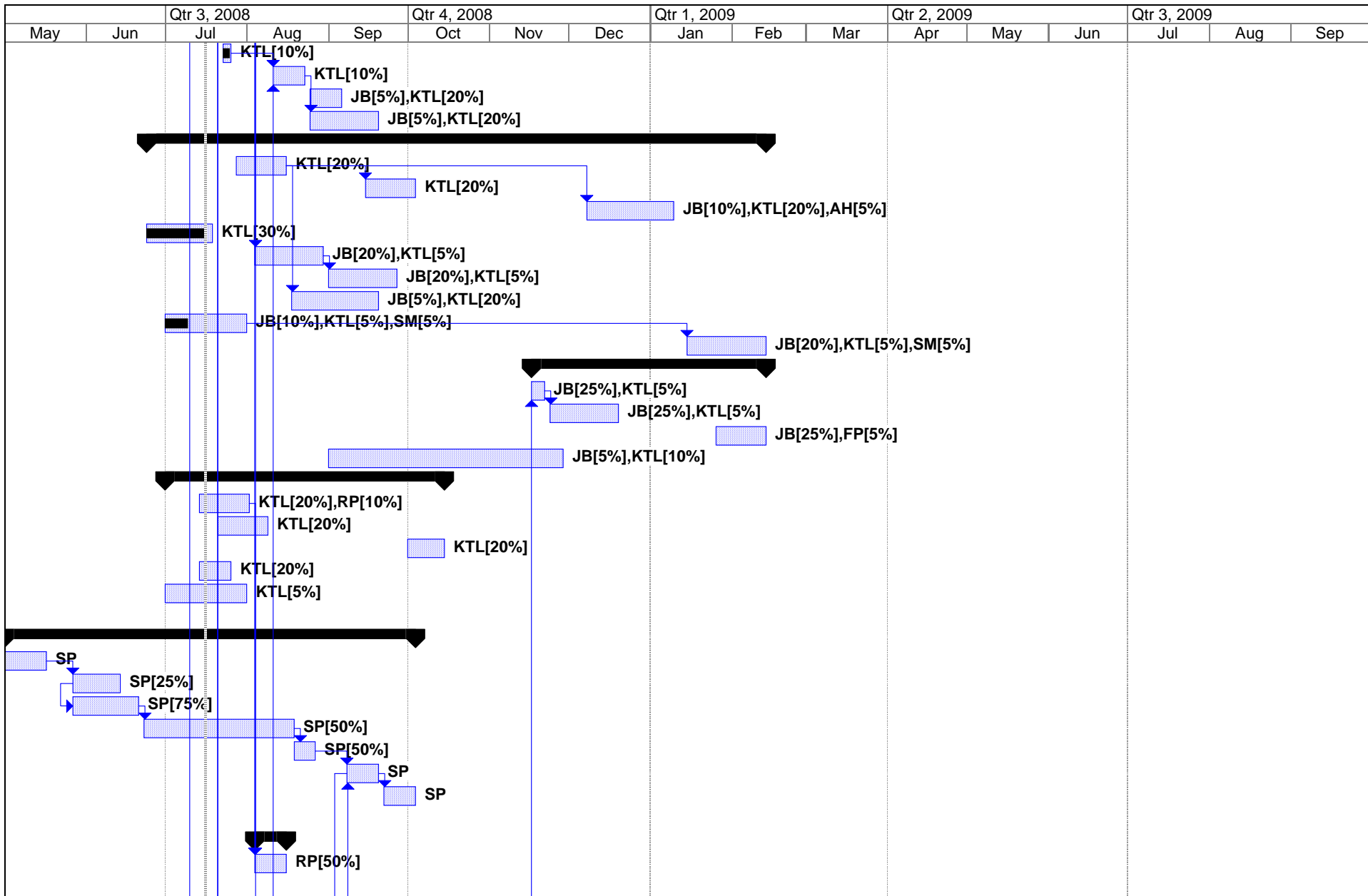
Task  Milestone  External Tasks 
 Split  Summary  External Milestone 
 Progress  Project Summary  Deadline 



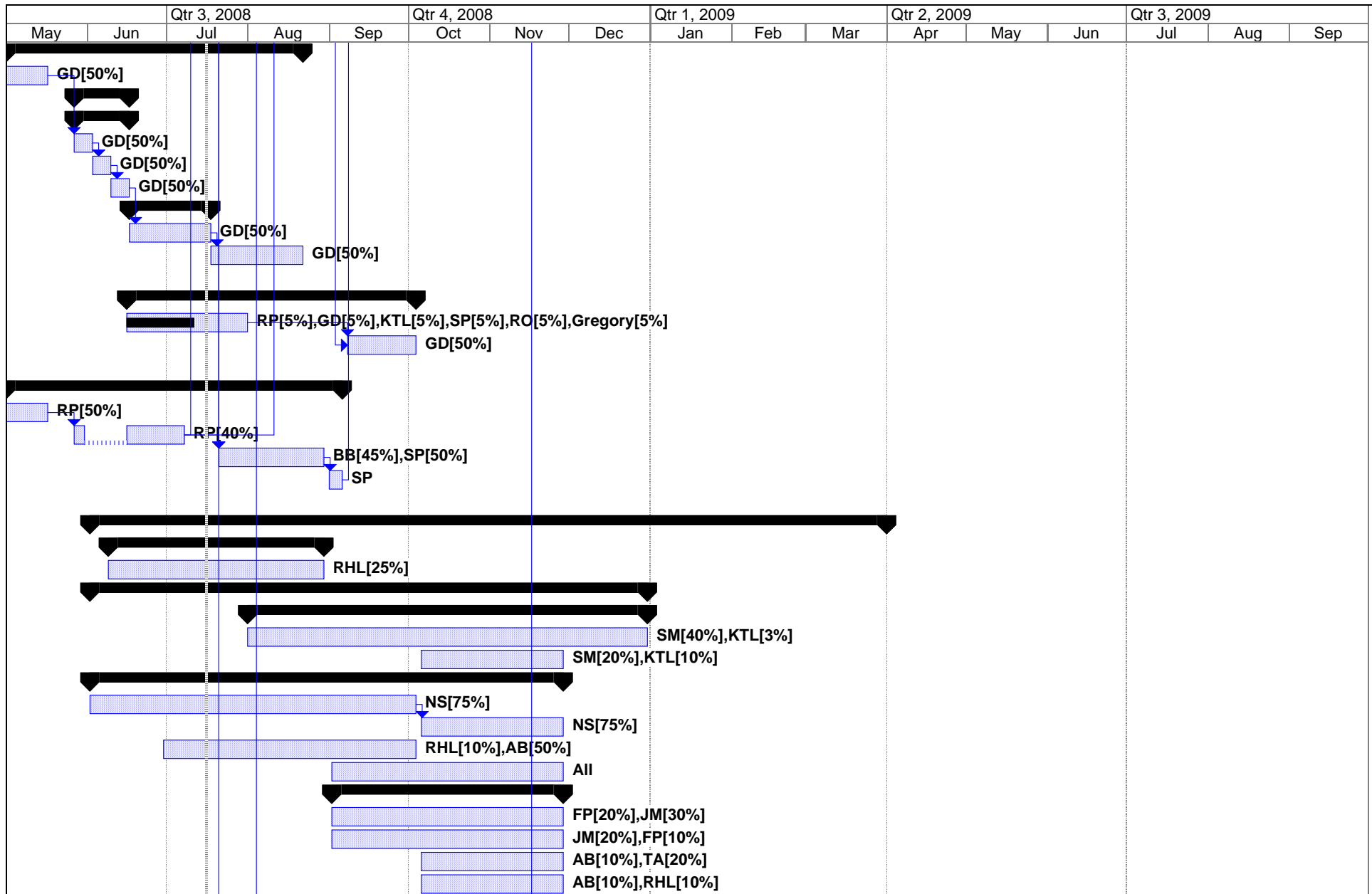
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|--|----------|--|-----------------|--|--------------------|--|
| Project: LSST-DC3-v1.8-updated-07.1 Date: Wed 7/16/08 | Task | | Milestone | | External Tasks | |
| | Split | | Summary | | External Milestone | |
| | Progress | | Project Summary | | Deadline | |



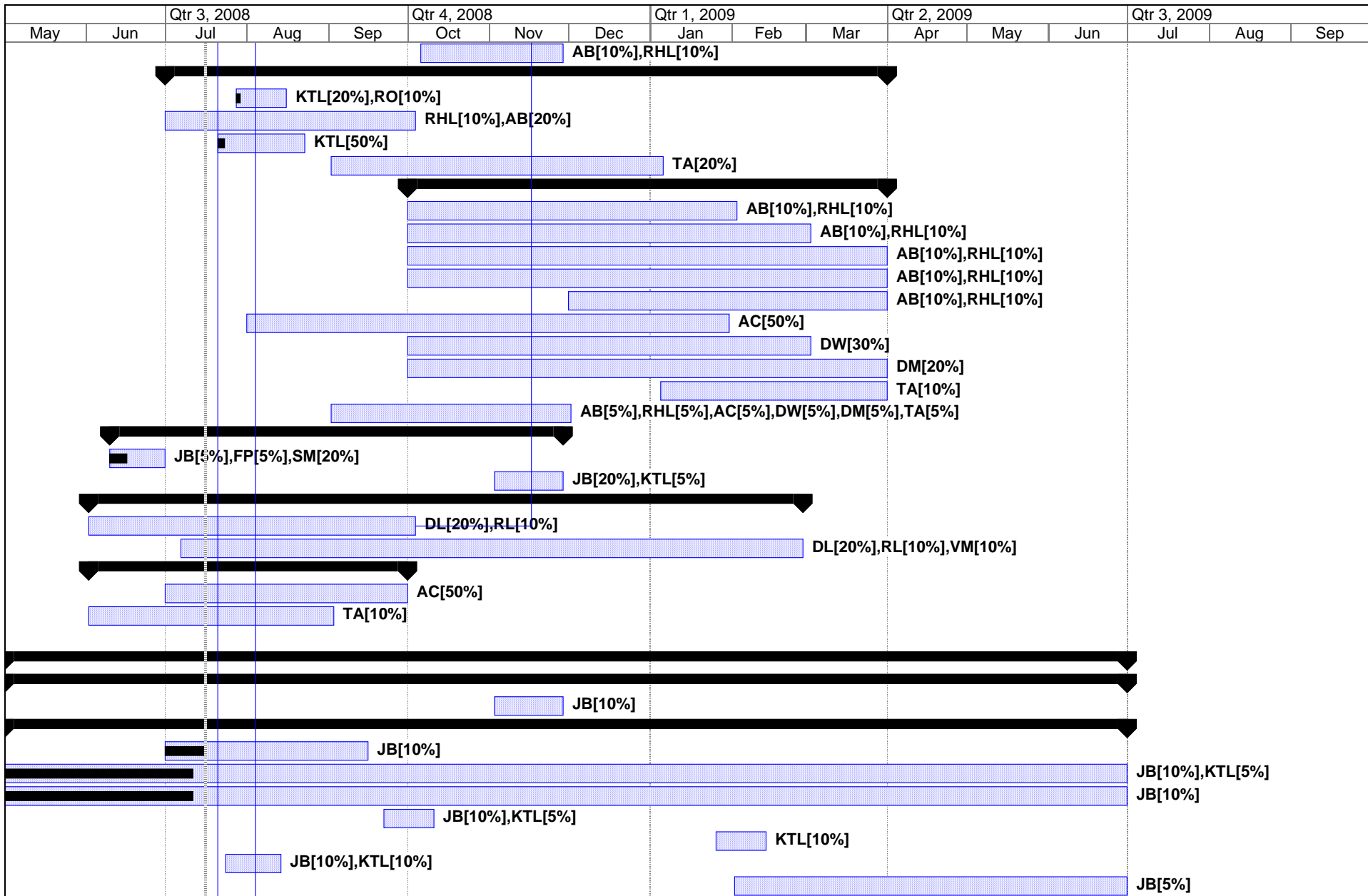
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| Project: LSST-DC3-v1.8-updated-07.1 Date: Wed 7/16/08 | Task | | Milestone | | External Tasks | |
| | Split | | Summary | | External Milestone | |
| | Progress | | Project Summary | | Deadline | |



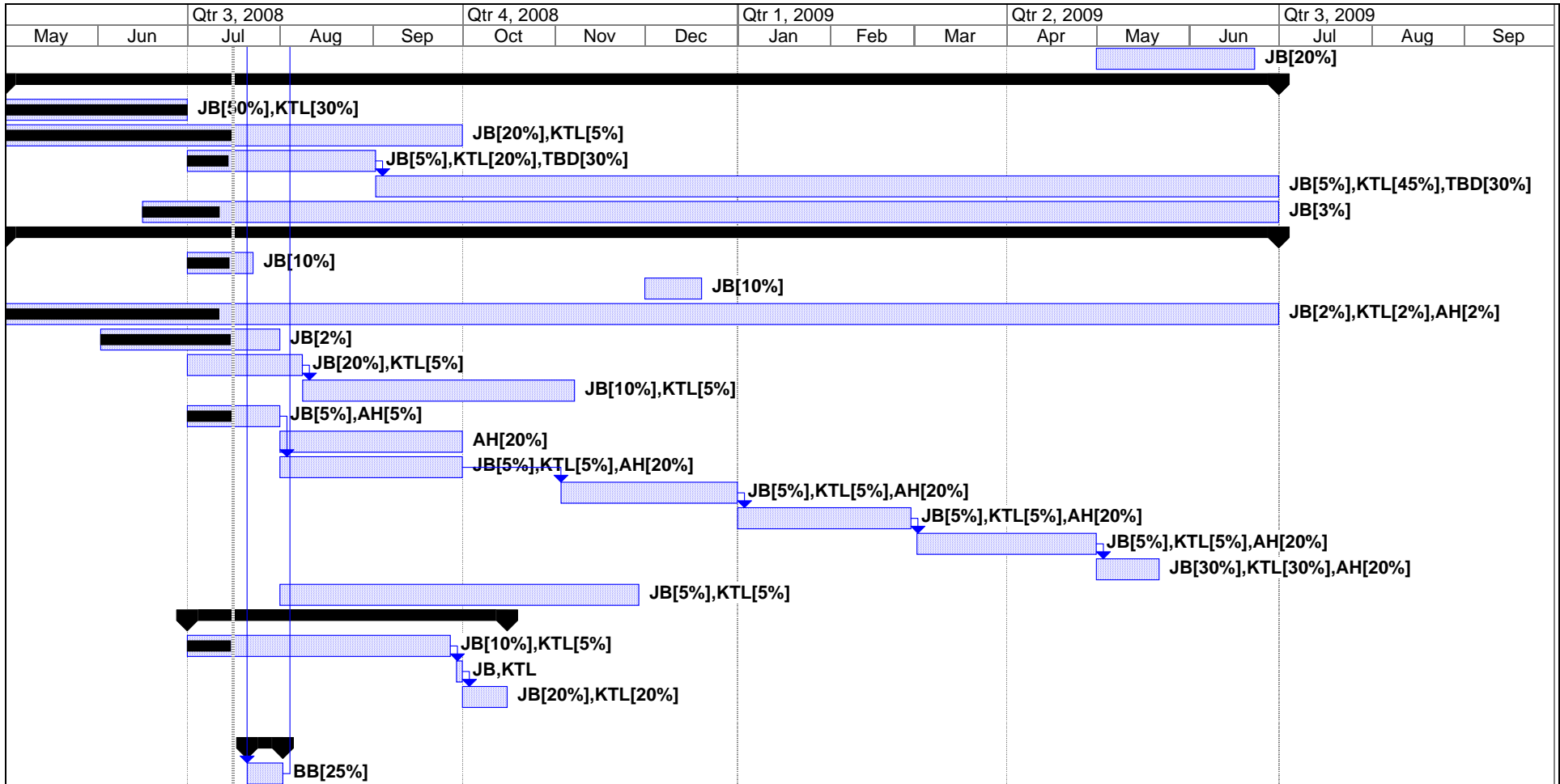
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| Project: LSST-DC3-v1.8-updated-07.1 Date: Wed 7/16/08 | Task | | Milestone | | External Tasks | |
| | Split | | Summary | | External Milestone | |
| | Progress | | Project Summary | | Deadline | |



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| Project: LSST-DC3-v1.8-updated-07.1 Date: Wed 7/16/08 | Task  Milestone  External Tasks  |
| | Split  Summary  External Milestone  |
| | Progress  Project Summary  Deadline  |



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| Project: LSST-DC3-v1.8-updated-07.1 Date: Wed 7/16/08 | Task | | Milestone | | External Tasks | |
| | Split | | Summary | | External Milestone | |
| | Progress | | Project Summary | | Deadline | |



Project: LSST-DC3-v1.8-updated-07.1
 Date: Wed 7/16/08

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| Task | | Milestone | | External Tasks | |
| Split | | Summary | | External Milestone | |
| Progress | | Project Summary | | Deadline | |