

Spring 2015

CatSim and Sky model

Scott

- New interface for opsim outputs (sqlite + new db format)
 - DONE
- Validation on phosim/catsim SED normalization & magnitudes
 - NOT DONE
- Use new interface to implement realistic (sky background) noise in GalSim
 - DONE FOR CATALOGS not GALSIM
- Refactor photometry code in catsim (make sure vectorized)
 - DONE
- Implement realistic noise in photometry mixin
 - DONE
- Rework variability model & interaction with catsim
 - NOT DONE

Peter:

- Review ESO papers and out current data. Present plan for sky model (1 wk)
 - DONE
- Review Opsim data structure needs for full-sky calculations (1 wk)
 - DONE
- Develop modules to output SED for each sky component (moon, upper atm, lower atm, etc) (4 wk)
 - DONE
- Compare SED models to all-sky camera observations. (1 wk)
 - DONE

MAF/Performance

Peter

- Refactor plotting and driver (2 wk)
 - DONE
- Paper hack (1 wk)
 - NOT DONE
- Tucson March meeting (1 wk)
 - DONE

Lynne

- Solar System Metrics (1 month)
 - NOT DONE
- Work with Peter on refactor plotting & driver & database
 - DONE
- Paper hack (1 week +)
 - NOT DONE
- Tucson March meeting (1 wk)
 - DONE
- Prepare 10 minute talk with Simon for DESC meeting (1-2 days)
 - DONE
- SRD and community metrics with Cathy & Zeljko (2 weeks)
 - DONE

Opsim

Kem

- Rerunning tier 1 with v3.2.1 code
 - DONE
- New reference run

- Lynne testing it - close
- Push LSE-190 (requirements document)
 - NOT DONE
- Rolling cadence testing and improvements
 - DONE
- Tier 2 runs
 - NEXT QUARTER
- Create solar system proposals (SS Deep drilling, perhaps NEO sweet spot)
 - UNKNOWN
- Sensitivity analysis for changing parameters and balancing proposals (with Cathy)
 - WAIT TILL REFACTORING

Cathy

- MAF replacing SSTAR
 - DONE
- New reference run
 - Lynne testing it - close

Michael

- Parameter management process (moving to pex config)
 - PUT OFF TO REFACTOR
- Refactoring review & start refactoring process
 - DONE
- Create telemetry streams
 - NEXT QUARTER
- Extend WFD proposal to arbitrary number of visits (instead of just pairs)
 - NEXT QUARTER - PUSH TO REFACTOR

Andy -

- Docker with Opsim etc
 - DONE
- Scheduling workshop -- March 16-20 in Tucson.
 - DONE

Alerts

Darko & Veljko

- communication with comet to do independent testing of format
 - IN PROGRESS
- testing of speed and comparison of different protocols
 - NOT DONE
- publishing code in sims/DM format
 - DONE
- installing ESPER and testing communication with alertsim
 - IN PROGRESS
- generating cutouts (phosim/galsim??)
 - IN PROGRESS
- inclusion any new development in variable star/galaxy class (i.e. SN...) if feasible..
 - NOT DONE