

SOCS Monthly Update Report

This page details the SOCS workplan with planned and actual storypoints.
Updated: 2017-08-31 15:19

SOCS Release v1.1 ([SIM-1287](#))

Release Date: 2017-07-31

Status = In Progress

Statement of Work

- Support for previous release
- Support Development for Area Distribution Look Ahead in Scheduler 1.1
- Implement non deterministic weather simulator
- Implement non deterministic downtime simulator
- Integrate and test with Scheduler
 - Test survey with Area Distribution proposals and Look Ahead
 - Test speed performance
 - Test repeatability

Support for previous release v1.0 ([SIM-1945](#))

Planned Story Points = 10.0

Status = In Progress

Statement of Work

- Handle issues arising from testing the v1.0 release

Number of Issues (Stories) = 10

Key	Description	Status	Story Points
SIM-2420	Support work for August	In Progress	1.0
SIM-2409	Support work for July	Done	1.0
SIM-2374	Support work for June 2017	Done	2.0
SIM-2343	Support work for May	Done	2.0
SIM-2316	Add parameters for restarting sequences	Done	0.5
SIM-2311	Ensure cloud and seeing models have concept of time of year	Done	0.2
SIM-2310	Support work for March	Done	3.0
SIM-2308	Fix session tracking	Done	0.1
SIM-2299	Change sim start date to 10/01/2022	Done	0.1
SIM-2298	Correct time window configuration for DeepDrillingCosmology1	Done	0.1

Support Development for Area Distribution Look Ahead in Scheduler 1.1 ([SIM-1345](#))

Planned Story Points = 15.0

Status = Done

Statement of Work

- Provide support to Scheduler developer
- Provide configuration for Area Distribution Look Ahead

Number of Issues (Stories) = 0

Implement non-deterministic weather simulator ([SIM-1346](#))

Planned Story Points = 10.0

Status = Done

Statement of Work

- Implement system to use generated weather distributions
- Implement configuration for using non-deterministic system

Number of Issues (Stories) = 0

Integrate and test with Scheduler v1.1 (SIM-1347)

Planned Story Points = 25.0

Status = Done

Statement of Work

- Perform routine integration work with the Scheduler
- Update ICD as necessary

Number of Issues (Stories) = 2

Key	Description	Status	Story Points
SIM-2372	SOCS/Scheduler testing for June 2017	Done	5.0
SIM-2371	SOCS/Scheduler testing March-May 2017	Done	15.0

Implement non-deterministic downtime simulator (SIM-1348)

Planned Story Points = 15.0

Status = Done

Statement of Work

- Create distribution for unscheduled downtime
- Implement system to use non-deterministic unscheduled downtime
- Implement configuration for system

Number of Issues (Stories) = 0

Cadence studies in cycle v1.1 (SIM-1392)

Planned Story Points = 95.0

Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 33

Key	Description	Status	Story Points
SIM-2413	Attend Scheduler Development Coordination Meeting in Seattle July 11-13	Done	3.0
SIM-2412	Attend SOCS Workshop in Tucson July 5-7	Done	2.0
SIM-2411	Attend SOCS Workshop in Tucson July 5-7	Done	2.0
SIM-2410	Strategic planning meetings (weekly and as needed) July	Done	2.0
SIM-2406	V&V production - investigate variety of parameter settings for v4 and debug	Done	3.0
SIM-2405	Development and setup of processes and tools to create V&V runs	Done	4.0
SIM-2402	V&V - investigate variety of characteristics of v4 and debug	Done	4.0
SIM-2401	V&V - investigate variety of characteristics of v4 and debug	Done	3.0
SIM-2373	Support for V&V work with version 4 code	Done	5.0
SIM-2370	Strategic planning meetings (weekly and as needed) June	Done	2.0
SIM-2351	Rerun MAF on V&V runs and analyze parameter impacts	Done	3.0
SIM-2350	Rerun MAF on V&V runs and analyze parameter impacts	Done	3.0
SIM-2349	Review and update all default parameters for v4	Done	1.0
SIM-2348	Review and update all default parameters for v4	Done	1.0
SIM-2347	Strategic planning meetings (weekly and as needed) May	Done	1.0
SIM-2345	Support setup and running V&V runs, MAF and compiling results.	Done	3.0
SIM-2340	Support for V&V work with version 4 code	Done	5.0
SIM-2328	Create github repository for trackingDBs, document all ports	Done	1.0

SIM-2322	Strategic planning meetings (weekly and as needed)	Done	1.0
SIM-2321	Support V&V work with version 4 code	Done	5.0
SIM-2320	Add edit capability to new run log	Duplicate	3.0
SIM-2319	Publish opsim3 Tier 1 runs with newer MAFs on 8686	Done	0.5
SIM-2318	Add edit capability to alhena run log	Done	3.0
SIM-2309	Setup replacement db and interface for run log on alhena	Done	3.0
SIM-2294	V & V - define strategy for parameter optimization	Done	1.0
SIM-2293	V & V - itemize runs and priorities	Done	2.0
SIM-2289	Strategic planning meetings (weekly and as needed)	Done	1.0
SIM-2288	Attend JTM	Done	3.0
SIM-2287	Attend JTM	Done	3.0
SIM-2215	Run the latest MAF (with filter stat corrections) on Tier 1 runs	Done	2.0
SIM-2213	Opsim3: Generate reuse parameter runs - run at 1, 5, 10 to see impact on filter change stats.	Done	3.0
SIM-1975	Analyze and summarize results of weather study	Done	2.0
SIM-1832	Develop method to cross compare or view results from weather runs	Done	2.0

Create Weather Distributions ([SIM-1946](#))

Planned Story Points = 20.0
Status = Done

Statement of Work

- Create distributions for clouds and/or transparency
- Create distributions for seeing

Number of Issues (Stories) = 0

SOCS Release v1.2 ([SIM-1288](#))

Release Date: 2017-08-24
Status = Done

Statement of Work

- Support for previous release
- Support Development for Time Distribution Look Ahead in Scheduler 1.2
- Integration and test with Scheduler

Support Development for Time Distribution Look Ahead in Scheduler 1.2 ([SIM-1350](#))

Planned Story Points = 59.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v1.1 ([SIM-1414](#))

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Integrate and test with Scheduler v1.2 ([SIM-1415](#))

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v1.2 (SIM-1416)

Planned Story Points = 83.0

Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v1.3 (SIM-1289)

Release Date: None

Status = Done

Statement of Work

- Support for previous release
- Evaluate and implement performance enhancements

Evaluate and implement performance enhancements (SIM-1352)

Planned Story Points = 76.0

Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v1.2 (SIM-1418)

Planned Story Points = 12.0

Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v1.3 (SIM-1419)

Planned Story Points = 88.0

Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v1.4 (SIM-1290)

Release Date: None

Status = Done

Statement of Work

- Support for previous release
- Implement warm start DB interface for Scheduler
- Implement image quality feedback simulator
- Implement degraded operational modes simulator
 - Constrained limits and/or speeds for mount, rotator, dome, optics.
 - Constrained availability of filters
- Integrate and test with Scheduler
 - Test resuming partial surveys

- Test variable image quality feedback
- Test degraded modes

Implement warm start DB interface for Scheduler (SIM-1353)

Planned Story Points = 23.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Implement image quality feedback simulator (SIM-1354)

Planned Story Points = 23.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Implement degraded operational modes simulator (SIM-1355)

Planned Story Points = 23.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Integrate and test with Scheduler v1.4 (SIM-1356)

Planned Story Points = 26.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v1.3 (SIM-1421)

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v1.4 (SIM-1422)

Planned Story Points = 107.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v1.5 (SIM-1291)

Release Date: None
Status = Done

Statement of Work

- Support for previous release
- Implement spatial distribution for weather simulator

- Integrate and test with Scheduler
 - Test dithering in Scheduler
 - Test spatial distribution for weather in a survey

Implement spatial distribution for weather simulator ([SIM-1357](#))

Planned Story Points = 53.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Integrate and test with Scheduler v1.5 ([SIM-1358](#))

Planned Story Points = 29.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v1.4 ([SIM-1424](#))

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v1.5 ([SIM-1425](#))

Planned Story Points = 94.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v2.0 ([SIM-1292](#))

Release Date: None
Status = Done

Statement of Work

- Support for previous release
- Support Scheduler Implementation for publication of future targets schedule
- Integrate and test with Scheduler

Support Scheduler Implementation for publication of future targets schedule ([SIM-1359](#))

Planned Story Points = 70.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Integrate and test with Scheduler v2.0 ([SIM-1360](#))

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v1.5 (SIM-1427)

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v2.0 (SIM-1428)

Planned Story Points = 94.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v2.1 (SIM-1293)

Release Date: None
Status = Done

Statement of Work

- Support for previous release
- Implement weather forecast
- Integrate and test with Scheduler

Implement weather forecast (SIM-1361)

Planned Story Points = 47.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Integrate and test with Scheduler v2.1 (SIM-1362)

Planned Story Points = 24.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v2.0 (SIM-1430)

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v2.1 (SIM-1431)

Planned Story Points = 83.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

SOCS Release v2.2 ([SIM-1294](#))

Release Date: None
Status = Done

Statement of Work

- Support for previous release
- Support Scheduler implementation of generic interface for optimization algorithms
- Support Schedule Incorporation community provided optimizations

Support Scheduler implementation of generic interface for optimization algorithms ([SIM-1363](#))

Planned Story Points = 35.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support Scheduler incorporation of community provided optimizations ([SIM-1364](#))

Planned Story Points = 47.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Support for previous release v2.1 ([SIM-1433](#))

Planned Story Points = 12.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0

Cadence Studies v2.2 ([SIM-1434](#))

Planned Story Points = 94.0
Status = Done

Statement of Work

No description provided.

Number of Issues (Stories) = 0