Allsky Camera Network for Detecting Bolides

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Task Matrix (Milestone 6)

Task	Completion	To Do	Tyler	Vincent	Jean-Pierre	Charles
Client Hardware Interaction	100%	N/A	50%	0%	25%	25%
Orbit, trajectory, velocity, mass (of bolide)	Dropped	Not a requirement of a project (sort of a "nice to have"), dropped because it was too complicated to get accurate results	0%	0%	20%	80%
Client connectivity logic	100%	N/A	10%	0%	20%	70%
Poster, User/Developer Manual, Demo Video, Documentation	100%	N/A	25%	25%	25%	25%
Finish UI	100%	N/A	20%	80%	0%	0%
Full system server and client tests	80%	Integration tests (leaving it outside for a long period of time and just making sure the system works)	40%	30%	20%	10%
Evaluation	100%	N/A	25%	25%	25%	25%

Task Discussion (Milestone 6)

Hardware Interaction -> Camera, lightcurve

Trajectory -> Difficult to implement in time

Connectivity -> Tested fully, retry queue added

Poster -> Done

UI -> Improve page load speed

Testing -> Basic unit tests

Evaluation -> Task list, time to complete task (researchers)

Manual and Demo Video

https://docs.heimdallsky.com/

Contribution

Tyler - Docker bugs, HCS idea, deployment, Heimdall bugs, docs, faster SQL queries, event trash and delete, node deletion, ansible, status check, poster

Vincent - UI integration, docs, requested UI tweaks, node retry/failure architecture, tests, poster

Jean-Pierre - Retry if event fails, reliable snapshots, laggy recording, docs, debugging scripts for Icarus, HCS architecture implementation, poster

Charles - HCS bugs, light curve algorithm, Heimdall bugs, updated proposer, docs, http middleware, HCS testing, poster

Lessons Learned

- Think more
- Time estimation
- Limit use of libraries
- Document continuously

Thanks!