Open Exoplanet Catalogue

Deliverable 4: Sprint 3 Report

By: Team 5

OEC Table of Contents

Sprint Plan
Sprint 3
Duration: October 31 to November 6
Priority Scale (Low 1 - 5 High)
Cost in Story Points (1 Story Point = 1 Developer Hour)

1.1   **Daily Update Check**
         User Story ID: 2.4
         Priority: 5
         Cost: 3
         As Prof. Cooper I would like the system to be able to check for updates daily.

         1.1.1   Implement automatic running of program at 1 time per day.
                 Task ID: 2.4.1
                 Priority: 5
                 Cost: 2.5
                 Completion Time: November 3, 2016
                 Assigned To: Marhababanu Chariwala

         1.1.2   Test that automatic start of update functions correctly/reliably.
                 Task ID: 2.4.2
                 Priority: 5
                 Cost: 0.5
                 Completion Time: November 4, 2016
                 Assigned To: Ahsan Zia

1.2   **Convert Data into Standard Units Used by OEC**
         User Story ID: 2.7
         Priority: 5
         Cost: 5
         As Prof. Cooper, I want updates for the OEC to automatically convert data from the Nasa Exoplanet Archive and Exoplanet.eu into the standard units of measurement used by the OEC.

         1.2.1   Review mappings and websites to determine accuracy of current values/update mappings.
                 Task ID: 2.7.1
                 Priority: **5**
                 Cost: 1
                 Completion Time: November 3, 2016

Assigned To: Lucy Xing

1.2.2 Contact professor Rein or Astro TA for specific conversion formulas or questions about mappings as needed.
Task ID: 2.7.2
Priority: 5
Cost: 2
Completion Time: November 4, 2016
Assigned To: Jubin Patel, Lucy Xing, Marhababanu Chariwala

1.2.3 Implement conversion functions, merge into code (xml generator) as needed.
Task ID: 2.7.3
Priority: 5
Cost: 1
Completion Time: November 5, 2016
Assigned To: Lucy Xing

1.2.4 Test accuracy/completeness of conversion functions.
Task ID: 2.7.4
Priority: 5
Cost: 1
Completion Time: November 6, 2016
Assigned To: Jubin Patel

Sprint Overview

2.1 **What was your estimated project velocity?**
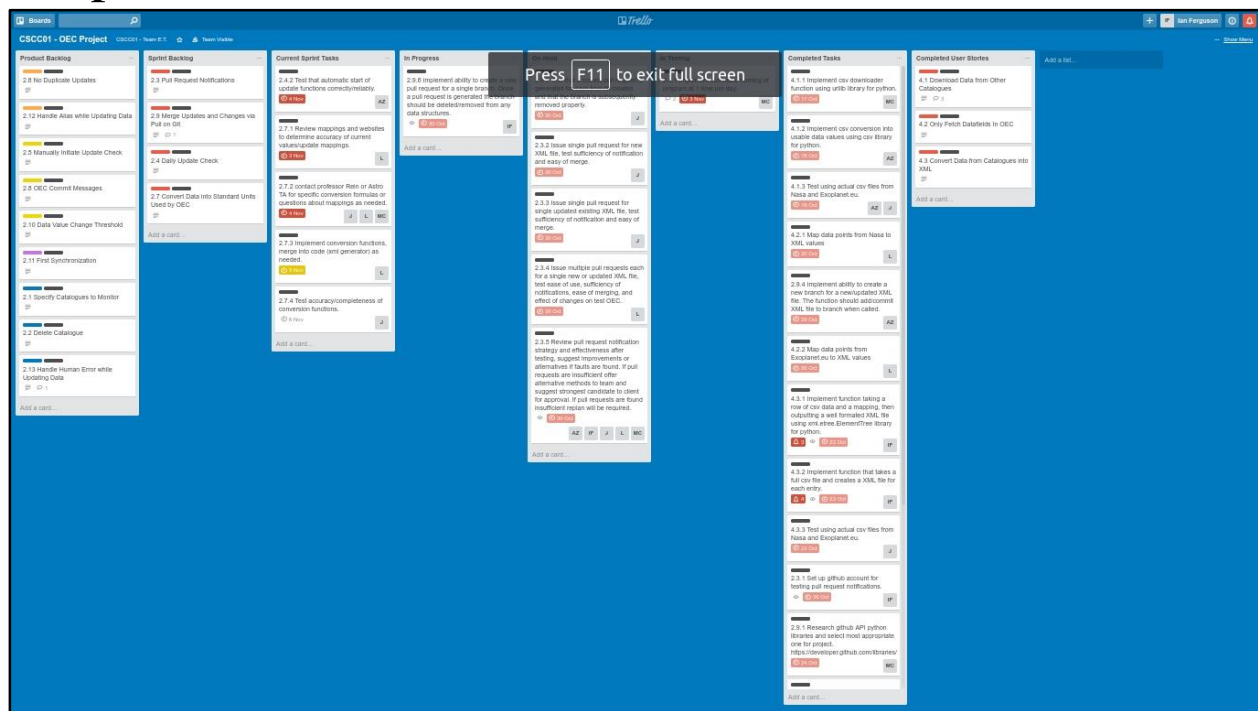Our team's estimated project velocity was 14.5 story points (1 story point == 1 developer hour)

2.2 **What was your actual project velocity?**
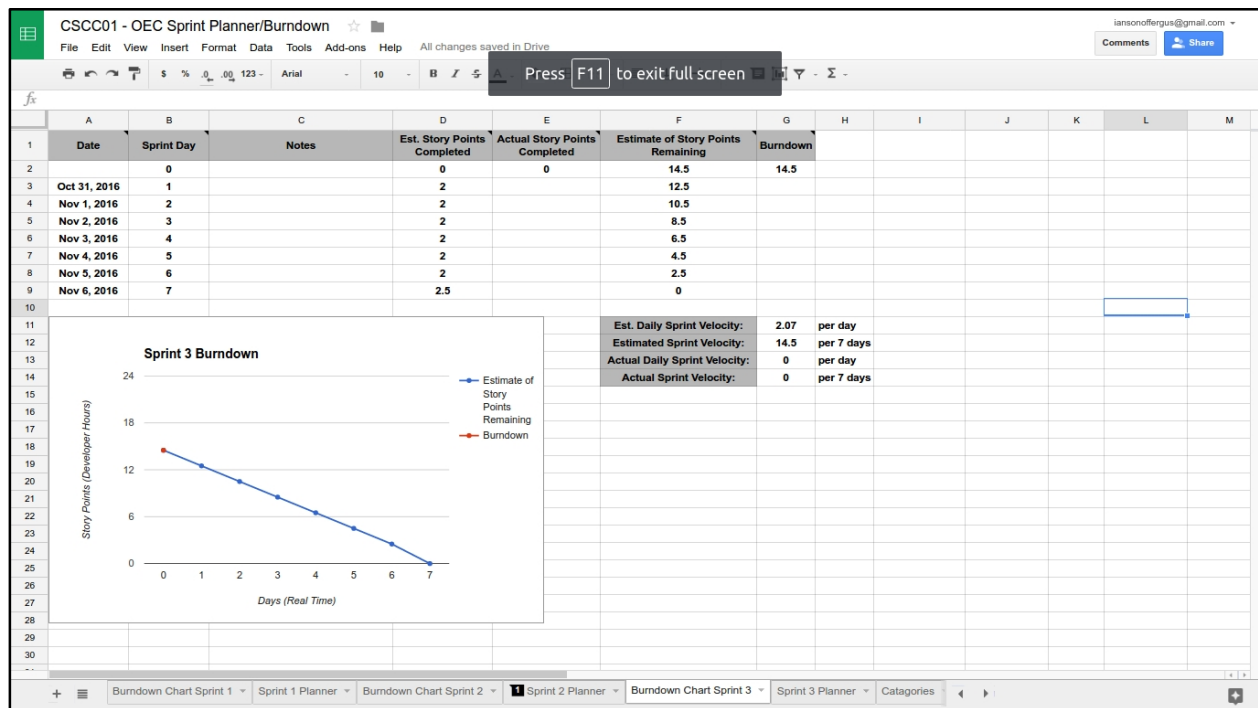Our team's actual project velocity was 12 story points (1 story point == 1 developer hour).

2.3 **Did you follow your plan(s) exactly, or did you have to re-plan at some point (and why)?**
For this sprint, our team was generally on tasks. However, we did not manage to complete all story points as many team members had assignments due from other courses, which resulted in less time available to work on this project.
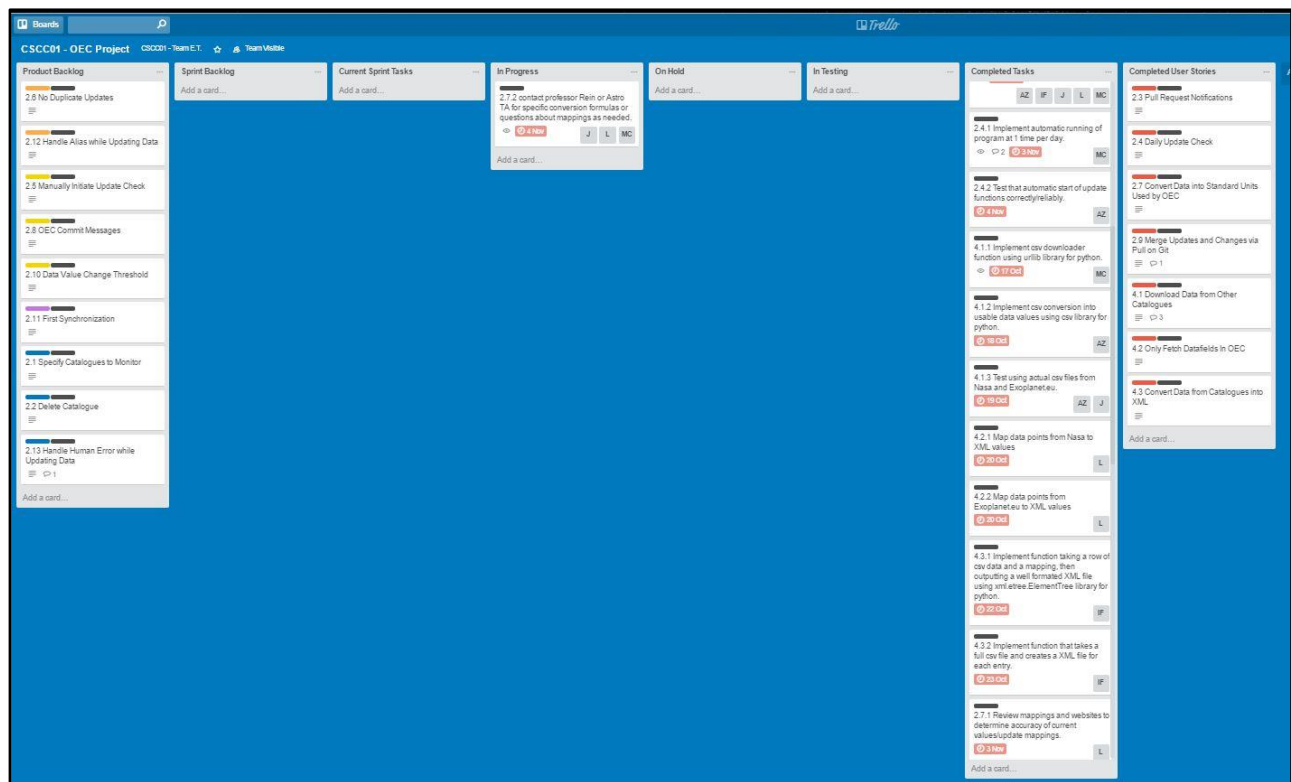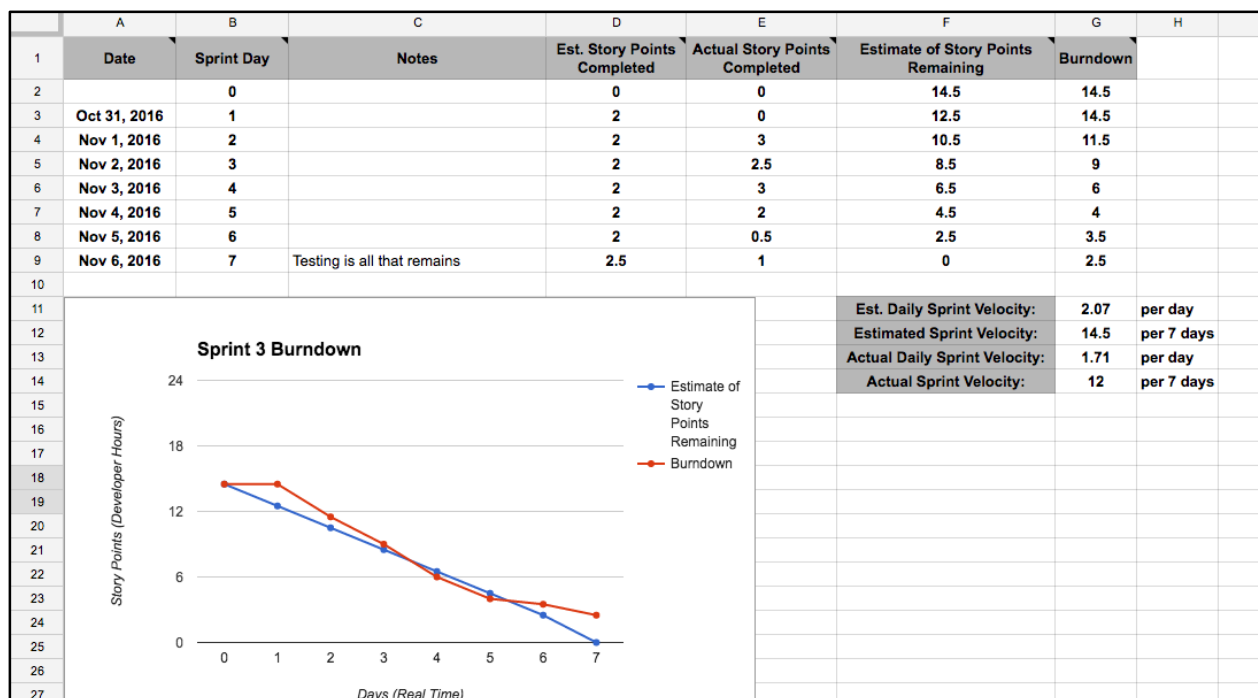
Snapshots

3.1 Trello Task Board Zoomed Out start of Sprint 3 (Oct 31 – Nov 06): 2nd column shows sprint backlog with user stories. 3rd column tasks created from the sprint backlog.

3.2 Burndown chart in the beginning of Sprint 3 (Oct 31 – Nov 06).

3.3 Trello Task Board Zoomed Out view at the End of Sprint 3 (Oct 31 – Nov 06).

	A	B	C	D	E	F	G	H
1	Date	Sprint Day	Notes	Est. Story Points Completed	Actual Story Points Completed	Estimate of Story Points Remaining	Burndown	
2		0		0	0	14.5	14.5	
3	Oct 31, 2016	1		2	0	12.5	14.5	
4	Nov 1, 2016	2		2	3	10.5	11.5	
5	Nov 2, 2016	3		2	2.5	8.5	9	
6	Nov 3, 2016	4		2	3	6.5	6	
7	Nov 4, 2016	5		2	2	4.5	4	
8	Nov 5, 2016	6		2	0.5	2.5	3.5	
9	Nov 6, 2016	7	Testing is all that remains	2.5	1	0	2.5	
10								
11						Est. Daily Sprint Velocity:	2.07	per day
12						Estimated Sprint Velocity:	14.5	per 7 days
13						Actual Daily Sprint Velocity:	1.71	per day
14						Actual Sprint Velocity:	12	per 7 days

Sprint 3 Burndown

Legend: Estimate of Story Points Remaining; Burndown

Y-axis: Story Points (Developer Hours)
X-axis: Days (Real Time)

3.4 Burndown chart at the end of Sprint 3 (Oct 31 – Nov 06).