

# **SVV** workflow: analysis\_tools, JIRA, tech. notes, etc

<u>Dominique Boutigny, Sylvie Dagoret, Rance Solomon</u>

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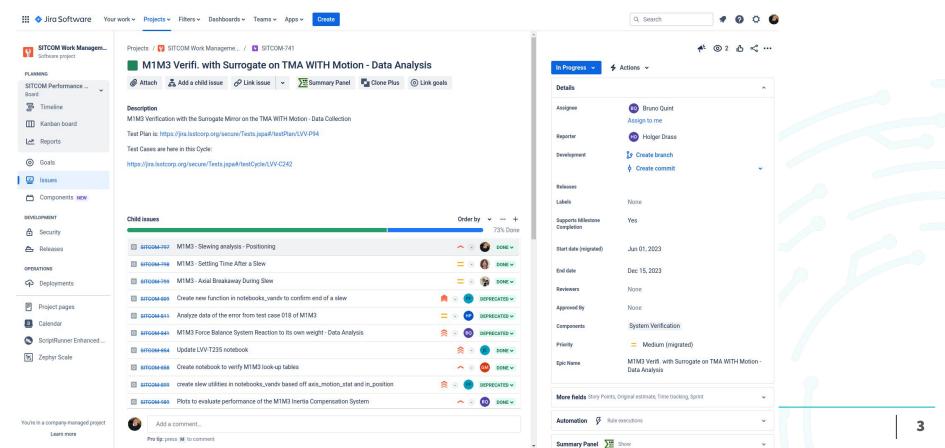
### JIRA - Tickets - Pull Requests - Reviews

- JIRA is the project management tool used by Rubin
  - Related to Agile practices for software development
  - Iterative, incremental and evolutionary development
  - Each task is segmented in a set of (sub-)sub-tasks that can be completed in a short time scale.
- Any action, development, bug should be documented within a JIRA ticket
- The status of a ticket is evolving according to a simple workflow:
  todo → acknowledged → in progress → in review → reviewed → done

Note: The Rubin JIRA system recently moved to the cloud: https://rubinobs.atlassian.net

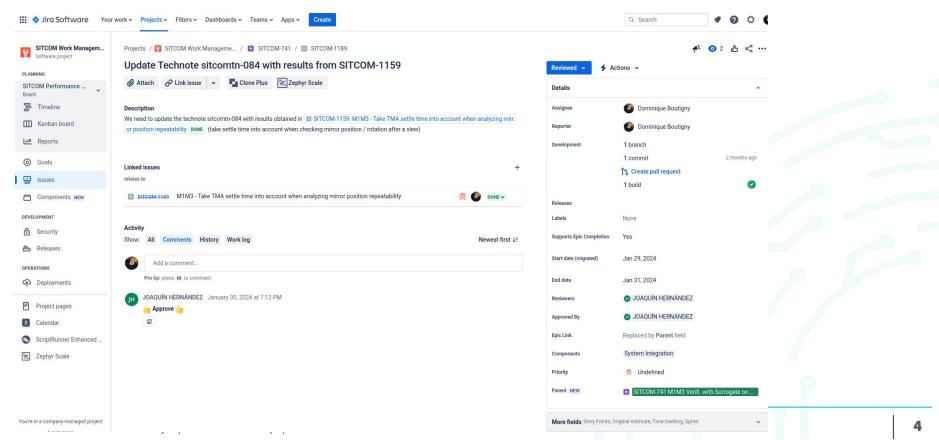


# Example from the M1M3 commissioning



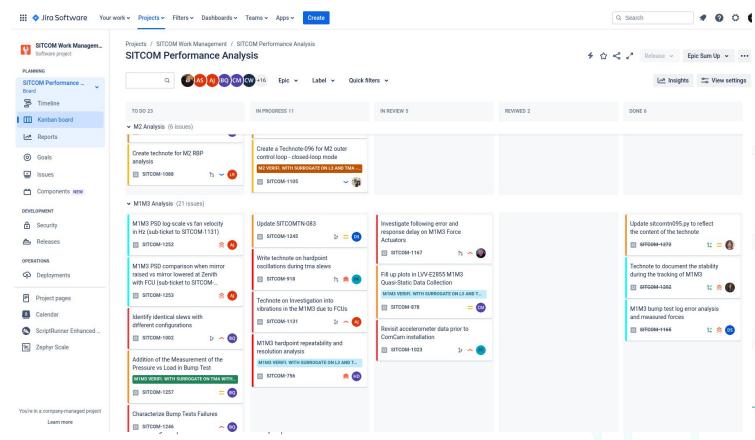


# Example from the M1M3 commissioning



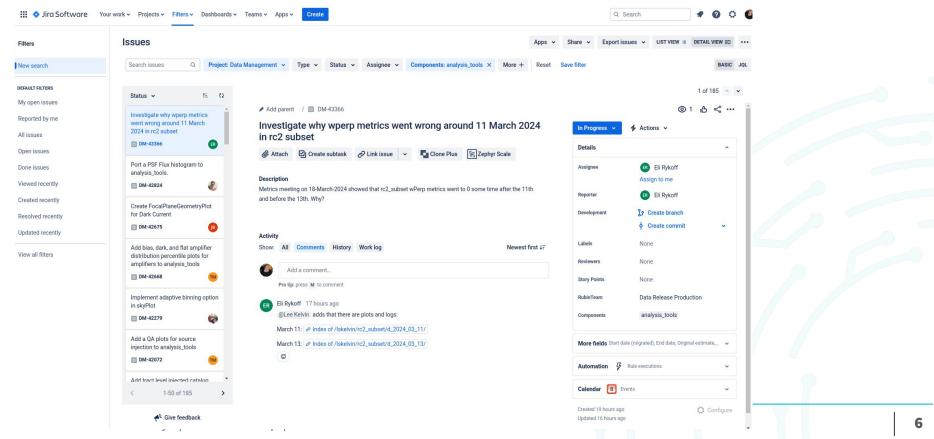


# Example from the M1M3 commissioning



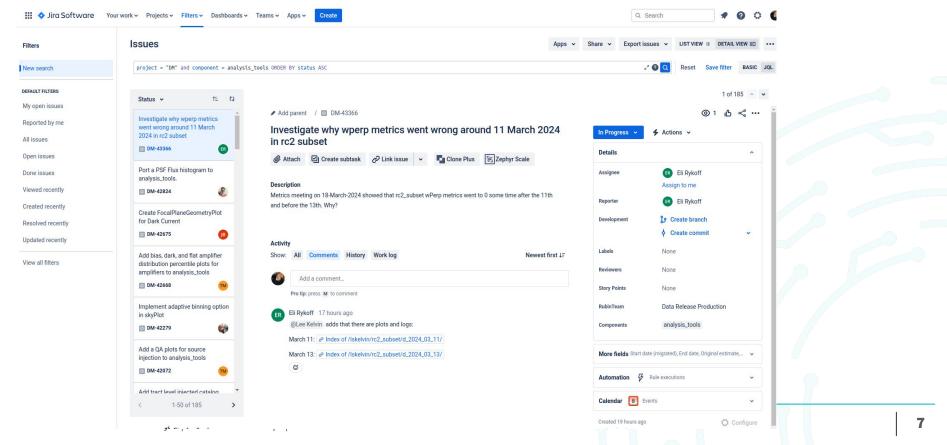


# Looking at the component "analysis\_tools"





# **Searching using JQL**





# JIRA ticket → github branch

- Any software modification / development should be documented in JIRA (i.e. DM-xxxxx)
- A corresponding github branch should be created with name ticket/DM-xxxxx



## Pull Request - Review...

- Once all the ticket is finished
- Create a Pull Request and find / assign a reviewer
  - Merge the ticket branch to main when the review is complete and Pull Request accepted
    - Merged is blocked until the PR is accepted
- Move JIRA ticket to "done"

If you realize that you have forgotten something after merging the branch

⇒ create a new ticket (do not re-open the old one)



#### Some useful resources

- LSST DM Developer Guide
- PEP-8 code standard
- Python script formaters:
  - black
  - o <u>yapf</u>
  - also exists for notebook cells autoformatting



#### **Technical Notes**

- There is a full framework to write technical notes in Rubin: <a href="https://documenteer.lsst.io/technotes/index.html">https://documenteer.lsst.io/technotes/index.html</a>
- Written in reStructuredText or Markdown
- Need to be registered in authordb.yaml
  - Ask in #dm-docs-support if you aren't
  - But there is a way to start a TechNote anyway if you aren't
- TechNotes are kept in github repositories
  - Same branch mechanism as for code development
  - JIRA tickets
- Once a TechNote has been pushed in github it triggers an automatic build and the html version can be visualized.
- For instance: <a href="https://github.com/lsst-sitcom/sitcomtn-084">https://sitcomtn-084.lsst.io/</a>
  - From there one can see all intermediate / temporary versions