

2021-11-09 Science Metric Development Agenda and Meeting notes

Date

09 Nov 2021

Location

Browser	Room System	Phone Dial-in
https://bluejeans.com/690803707 or https://ls.st/rsv	1. Dial: 199.48.152.152 or bjn.vc 2. Enter Meeting ID: 690803707 -or- use the pairing code	Dial-in numbers: <ul style="list-style-type: none">+1 408 740 7256+1 888 240 2560 (US Toll Free)+1 408 317 9253 (Alternate Number) Meeting ID: 690803707

Attendees

- [Leanne Guy](#)
- [Simon Krughoff](#)
- [Colin Slater](#)
- [Jeffrey Carlin](#)
- [Peter Ferguson](#)
- [Robert Lupton](#)

Regrets

Useful links


Metric tracking dashboards





- DC2 and HSC RC2 monthly reprocessing (Gen3 and Gen2/3, fano): <https://chronograf-demo.lsst.codes/sources/2/dashboards/75>
- Nightly CI (Gen3, fano): <https://chronograf-demo.lsst.codes/sources/2/dashboards/70>




Rubin science pipelines weekly change log and Github repo: https://github.com/lsst-dm/lsst_git_changelog

Status of jenkins jobs and slack channel for notifications: #dmj-s_verify_drp_metrics slack channel

Discussion items

Item	Who	Pre-meeting notes	Minutes
News, announce ments and task review	All		
CI status, bugs, issues of the week	All	<ul style="list-style-type: none">• verify_drp_metrics CI job,<div> DM-31777 - Jira project doesn't exist or you don't have permission to view it.</div>	<ul style="list-style-type: none">• Exciting week in CI!• Several tickets resolved to get CI going again<ul style="list-style-type: none">◦ Jointcal ticket causing breakage -fixed by adding a check to skip a dataid if the calibration information is not there.◦ Issues with changes to inherit from drp obs_subaru pipelines. We inherited configuration. Led to breakages related to Diff1m. DRP were seeing this but ignoring it as it was an edge case. Our finite field size exacerbated this.◦ Ellipticity metrics not in the definition file◦ .. lots of changes. Jeff has sorted them all out!• Nightly still broken - need a nightly run to check we are running again.

Data processing campaigns	Jeffrey Carlin Keith Bechtol	<ul style="list-style-type: none"> RC2/DC2 reprocessing epic : <div>  DM-26911 - Jira project doesn't exist or you don't have permission to view it. </div> <ul style="list-style-type: none"> w_2021_40 RC2: <div>  DM-32248 </div> <ul style="list-style-type: none"> - Jira project doesn't exist or you don't have permission to view it. w_2021_44 DC2 : <div>  DM-32391 - Jira project doesn't exist or you don't have permission to view it. </div> AuxTel AP DiffIm (DECam data) 	<p>Auxtel - watch #rubinobs-sitcom-surveys for updates</p> <ul style="list-style-type: none"> Porting AuxTel pipelines to Gen3, configs need change. <div>  DM-32141 - Jira project doesn't exist or you don't have permission to view it. <ul style="list-style-type: none"> g,r,i, data to get a colour locus. Spec run in dec to get data for atm transmis - fr g data taken in 2 runs - 1 sq. deg. go back to do a gri run in january Have data, not reduced. </div> Reduction of data on NCSA - still not up on antu. <ul style="list-style-type: none"> Ingested at NCSA, calibs built, incl. g-band flats. xtalk produced but not validated. Expect to have a full set of calibs. Will move to antu after one run at NCSA . <p>AP DiffIm (DECam data)</p> <ul style="list-style-type: none"> No news <p>AP DiffIm (AuxTel)</p> <ul style="list-style-type: none"> Wait to do that until prompt production is available in ~June 2022.
DP0.2	Colin Slater Leanne Guy	Faro for DP0.2	<ul style="list-style-type: none"> SQuaSH Dashboard for DP0.2 processing? Plan to compute metrics for pilot runs

Faro Development status	Leanne Guy	<ul style="list-style-type: none"> Fall 2021 epic <div>  DM-30748 - Jira project doesn't exist or you don't have permission to view it. </div> Backlog epic: <div>  DM-29525 - Jira project doesn't exist or you don't have permission to view it. </div> 	<ul style="list-style-type: none"> Where are we on parquet conversion? <ul style="list-style-type: none"> Implementation of forced source catalog reviewed. <ul style="list-style-type: none"> not applying external ph/as calibrations. Want to apply them but will be costly to look up external calibs for every object. In the next few months, this will be done as part of creating the tables. For now we will not look up and apply external calibs. No ability to compare to an external ref catalog - compare frc src to object table and object table to external TEx metrics implementation <ul style="list-style-type: none"> Jeff + Erik review this week. Template for additional metrics using parquet. Documentation merged! Daily build: https://pipelines.lsst.io/v/daily/modules/lsst.faro/ Peter progressed on AA1 metric. Sophie re-implemented stellar locus metric. We should review the underpinnings of the new implementation once stable. In porting the code, Sophie has identified things that can be done better. <div>  DM-28144 - Jira project doesn't exist or you don't have permission to view it. </div> <p><input type="checkbox"/> Colin to ask about capturing ideas for improvement to the stellar locus algorithm 30 Nov 2021</p>
AOB	Leanne Guy	Potential co-working session ideas here	

List of tasks (Confluence)

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> Leanne Guy to talk to Science Pipelines (Yusra) about when do this transfer 19 Oct 2021	19 Oct 2021	Leanne Guy	2021-09-28 Science Metric Development Agenda and Meeting notes
<input type="checkbox"/> Leanne Guy arrange to discuss at a future meeting if there are metrics from PDR3 & this paper that we might want to include in faro. 26 Oct 2021	26 Oct 2021	Leanne Guy	2021-08-31 Science Metric Development Agenda and Meeting notes
<input type="checkbox"/> Colin to ask about capturing ideas for improvement to the stellar locus algorithm 30 Nov 2021	30 Nov 2021		2021-11-09 Science Metric Development Agenda and Meeting notes
<input type="checkbox"/> Colin Slater to make a preliminary draft agenda for a workshop to clarify visualization use cases for science verification and validation		Colin Slater	2022-04-19 Science Metric Development Agenda and Meeting notes
<input type="checkbox"/> Jeffrey Carlin to review metric specification package organization and the relationship to formal requirements documents		Jeffrey Carlin	2022-04-19 Science Metric Development Agenda and Meeting notes
<input type="checkbox"/> Keith Bechtol Schedule a time to have focused discussion on verification package, potentially next status meeting		Keith Bechtol	2021-09-14 Science Metric Development Agenda and Meeting notes

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- ☐ [Keith Bechtol](#) to make a ticket to better understand mapping of these camera and calibration products characterization efforts to verification documents and the focus of these efforts. Discuss with the SCLT

[Keith
Bechtol](#)

[2021-09-14 Science
Metric Development
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