

2022-04-26 Science Verification Agenda and Meeting notes

Date

26 Apr 2022

Location

Zoom alias : <https://ls.st/rsv>

Zoom: <https://noirlab-edu.zoom.us/j/96120781994?pwd=bCtpT3Q3b2RsU1ZBRUFaSnUrZXo3Zz09#success>

Attendees

Regrets

Useful links




Metric tracking dashboards





- DC2 and HSC RC2 monthly reprocessing (Gen3 and Gen2/3, faro): <https://chronograf-demo.lsst.codes/sources/2/dashboards/75>
- Nightly CI (Gen3, faro): <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 channle for notifications: #dmj-s_verify_drp_metrics slack channel

Discussion items

Item	Who	Pre-meeting notes	Minutes
News, announcements and task review	All		<ul style="list-style-type: none">• Review of actions from last week<ul style="list-style-type: none">◦ Meeting with analysis_drp developers to discuss technical aspects of shared code for selectors, etc., on 28 April
CI status, bugs, issues of the week	All		<ul style="list-style-type: none">• Some metric values changed on 20 April.<ul style="list-style-type: none">◦ Lee Kelvin is looking into why the metric values. Potentially related to refcat default change, but this is not expected because HSC processing was already using the choices that were being set as defaults in the ticket.◦ See https://mwittgen.github.io/changelog/weekly/w_2022_17.html
Faro Development status	Leanne Guy	<ul style="list-style-type: none">• Spring 2022 epic<div> DM-33385 - 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>• Progress on conversion to parquet	<p>Current PRs:</p> <ul style="list-style-type: none">• Absolute astrometry (AA1): https://github.com/lsst/faro/pull/131<ul style="list-style-type: none">◦ Using smatch matcher. Same KDTree matcher algorithm as used for brightIsolatedStarAssociationTask for matching to external reference.◦ Is there a recommended approach to• Stellar locus (wPerp): https://github.com/lsst/faro/pull/122<ul style="list-style-type: none">◦ On hold until discussions with analysis_drp• Source table with calibrations applied<div> DM-33959 - Jira project doesn't exist or you don't have permission to view it.</div> <p>expected this week</p>

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 - Jira project doesn't exist or you don't have permission to view it. </div> w_2021_44 DC2 : <div>  DM-32391 - Jira project doesn't exist or you don't have permission to view it. </div> AuxTel (Erik Dennihy) AP/Diffilm () 	<ul style="list-style-type: none"> AuxTel <ul style="list-style-type: none"> Made a project repo at NCSA to store AuxTel data until there is automated processing at the data facility <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Erik Dennihy to add repo and collection information here 26 Apr 2022 Project repo for Auxtel survey image data processing at NCSA: "/project/edennihy/auxtelImagingSurveys/data" Useful complete collections within data repo: <ul style="list-style-type: none"> "u/edennihy/E6A_singleFrame" - contains full singleFrame output for all g,r,i images in E6A field taken since Oct 2021 "u/edennihy/E6A_coadd" - contains full coadds for g, r, and i from images in above collection <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Keith Bechtol to notify Erik when epic for AuxTel imaging campaign data analysis is ready 29 Apr 2022 First coadds have been produced Moving into object detection and object table generation Try to push the photometric repeatability metrics All the data analysis is happening at NCSA. Computing facilities and relevant datasets for in-kind contributors <ul style="list-style-type: none"> NCSA or defer a few months Richard Dubois is the person to ask for USDF status / timeline Resources to get Antu stiid up
DP0.2	Colin Slater Leanne Guy		<p>Created ticket for loading metrics in DP0.2</p> <div>  DM-34556 - Jira project doesn't exist or you don't have permission to view it. </div>
AOB	Leanne Guy	Potential co-working session ideas here	Next meeting 29 Mar 2022

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
<input type="checkbox"/> 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 Agenda and Meeting notes