

2023-03-27 DM-SST Agenda and Meeting Notes

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Time:

11:00 PT

Location

Browser	Room System	Phone Dial-in
Short : ls.st/dmsst Zoom: https://noirlab-edu.zoom.us/j/97839121776? pwd=K1JPeUpSMXFvSXJSa2xORGky Vk5zdz09 Zoom Meeting ID: 978 3912 1776 Zoom Password: 512314	Dial closest IP: 162.255.36.11 (east coast) and 162.255.37.11 (west coast) then use the Zoom meeting ID 978 3912 1776 as the dialing extension. For example: 978 3912 1776 @ 162.255.37.11 or: 162.255.37.11##978 3912 1776 Password: 512314	Dial-in numbers: +1 346 248 7799 (US Toll) +1 669 900 6833 (US Toll) Meeting ID: 936 2540 1560 International numbers available: https://gemini.zoom.us/j/9362540

Attendees

- [Eli Rykoff](#)
- [Yusra AlSayyad](#)
- [Gregory Dubois-Felsmann](#)
- [Robert Lupton](#)
- [Colin Slater](#)
- [Jim Bosch](#)
- [Parker Fagrelus](#)
- [Steve Ritz](#)
- [Melissa Graham](#)
- [Agnès Ferté](#)
- [Christopher Waters](#)
- [Leanne Guy](#)

Regrets

- [Eric Bellm](#) (AAS HEAD meeting)
- [Jeffrey Carlin](#) (vacataion)

Discussion items

Item	Who	Pre-Meeting Notes	Notes and Action Items
Project/Science Updates	Leanne Guy	No PST meeting last week Project schedule workshop next week - Mon/Tues 3/4 April Speaker (remote or in-person) for saturated photometry or astrometry at the AAS workshop in June? If anyone in your team is interested, contact Melissa.	

Prioritization of calibration system components (CalibPalooza) and definition of DR1 calibration system	Eli Rykoff	First parse at the prioritization of the components of the system designed at CalibPalooza with a view to defining a DR1 calibration system and plans.  DM-38151 - Jira project doesn't exist or you don't have permission to view it. We will adopt the DM requirement prioritization system for the calibration system This meeting was recorded Files: astrometry, atmosphere, backgrounds, flat_fields, instrumental_thoughput, isr	Sandrine confirms in-situ reflectance measurements can be done. - Will we know how good HH will be as compared with a full CBP analysis - will we know how wrong we might be from a systematics perspective? - Focal plane backgrounds - 100% software, no hardware needs. - Assuming successful non-linearity, gain offset corrections - In HSC amp-offset analysis needed due to lack of understanding of HSC electronics - DES used PCA analysis - Atmospheric modelling - Astrometry - Lateral e-filed templates from the flat fields are also an input on this diagram - What is the strategy for decoupling the PSF from the astrometry? What is the metric? - True star at known radec, transform by WCS and plot a PSF - then that will look like our image. WCS and PSF together form the transfer function from the sky to the image. - Want to make sure that we take all the data we will need in future - even if it is not needed in the DR1 analysis. - Finer spacing than 10A would be advantageous ☐ Parker Fagrelius Patrick Ingraham how long will it take to do a scan as described? No need to scan the whole WL range but will require additional points outside nominal lambda range. 30 Jun 2023 ☐
Task review	Leanne Guy	Review of tasks: Gregory Dubois-Felsmann Standardization description and DMTN-067 Gregory Dubois-Felsmann RFC for compressed PVI requirements - Updated requirements: lossy-compression-RFC-20230327.txt Jim Bosch RFC for ShearObject Table.	- RFC for PVI: - RG was always worried about consequences for coadds - can we reconstruct science quality coadds from compressed PVIs. - GPDP looking for feedback on the quality criteria ☒ Gregory Dubois-Felsmann File RFC for all requirements except the prompt products and quality requirements.  RFC-911 - Jira project doesn't exist or you don't have permission to view it. 10 Apr 2023 ☐ Leanne Guy Prepare to consult the PST on the question of providing compressed PVIs for AP outputs, to cover the period before the data become available in a DR. 02 Jun 2023
AOB	Leanne Guy	Next meeting is: 10 Apr 2023	

List of SST tasks (Confluence)

Description	Due date	Assignee	Task appears on
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☐	Robert Lupton Clarify the meaning of time in the object table. 1 sentence description in sdm_schemas, can link to a short DMTN. <i>Update 2022-02-09: Meeting to resolve this on 2022-02-21</i> 28 Feb 2022	28 Feb 2022	Robert Lupton	2018-11-05 DM SST F2F Agenda and Meeting notes
☐	Gregory Dubois-Felsmann check if SDM standardization is adequately represented in project documents, and whether DMTN-067 should be required. 31 Mar 2022	31 Mar 2022	Gregory Dubois-Felsmann	2022-02-14 DM-SST Virtual F2F Agenda and Meeting notes
☐	Steve Ritz Work with DM and Camera to develop plans for delivering a shutter position-vs-time model 16 May 2022	16 May 2022	Steve Ritz	2022-03-14 DM-SST Agenda and Meeting Notes
☐	Gregory Dubois-Felsmann / Leanne Guy Create a TN that outlines the science use cases and options for compressed PVI from AP. Present the issue at DMLT VF2F and then the PST. 13 Jun 2022	13 Jun 2022	Gregory Dubois-Felsmann	2022-05-09 DM-SST Agenda and Meeting Notes
☐	Eli Rykoff Report on what information DES used for their decision on using compression? 25 Jul 2022	25 Jul 2022	Eli Rykoff	2022-06-06 DM-SST VF2F Agenda and Meeting notes
☐	Melissa Graham to draft a proposal for including pz in alert packets 12 Sep 2022	12 Sep 2022	Melissa Graham	2022-08-15 DM-SST Agenda and Meeting Notes
☐	Steve Ritz Leanne Guy Gregory Dubois-Felsmann Organize a meeting to review Camera telemetry/ how what the Camera reports 26 Sep 2022	26 Sep 2022	Steve Ritz	2022-09-12 DM-SST Agenda and Meeting Notes
☐	Gregory Dubois-Felsmann start a technote to write down the details for science end user interface to SED corrections in catalogs 31 Oct 2022	31 Oct 2022	Gregory Dubois-Felsmann	2022-08-22 DM-SST Agenda and Meeting Notes
☐	Leanne Guy Gregory Dubois-Felsmann Raise the AP image-availability gap (between 30 days and the DR) issue to the PST 31 Dec 2022	31 Dec 2022	Leanne Guy	2022-06-06 DM-SST VF2F Agenda and Meeting notes
☐	Leanne Guy read RFC-842 and work out how much of this is in DM scope. Work with Eli Rykoff and Robert Lupton to make a plan to address this 28 Feb 2023	28 Feb 2023	Leanne Guy	2023-01-23 DM-SST Agenda and Meeting Notes
☐	Leanne Guy talk to Steve R about presenting plans for the ShearObject table to PST and SciCollab chairs 20 Mar 2023	20 Mar 2023	Leanne Guy	2023-02-27 DM-SST Agenda and Meeting Notes
☐	Jim Bosch Provide an example of a file containing a cell-based coadd for Gregory Dubois-Felsmann to examine to assess implications for firefly 31 Mar 2023	31 Mar 2023	Jim Bosch	2023-02-27 DM-SST Agenda and Meeting Notes
☐	Leanne Guy talk to Gregory Dubois-Felsmann to review the original intent of the AFS-related Portal requirements before deciding on a course of action 29 May 2023	29 May 2023	Leanne Guy	2023-05-01 DM-SST Focus Meeting - Brokers in Commissioning

☐	Leanne Guy Prepare to consult the PST on the question of providing compressed PVIs for AP outputs, to cover the period before the data become available in a DR. 02 Jun 2023	02 Jun 2023	Leanne Guy	2023-03-27 DM-SST Agenda and Meeting Notes
☐	Jim Bosch Incorporate 30-60 day period for raws on disk into the strawman proposal and present to KT 26 Jun 2023	26 Jun 2023	Jim Bosch	2023-05-08 DM-SST Agenda and Meeting Notes
☐	Parker Fagrelus Patrick Ingraham how long will it take to do a scan as described? No need to scan the whole WL range but will require additional points outside nominal lambda range. 30 Jun 2023	30 Jun 2023	Parker Fagrelus	2023-03-27 DM-SST Agenda and Meeting Notes
☐	Colin Slater Gregory Dubois-Felsmann Robert Lupton Jeffrey Carlin Convene meeting/vf2f session on definition of dataset selection requirements in DMS-REQ-293 31 Jul 2023	31 Jul 2023	Colin Slater	2023-07-10 DM-SST Agenda and Meeting Notes
☐	Eli Rykoff , Leanne Guy Develop a proposal for what calibration processing, hardware, data we actually need and what will be needed for DR1. This has implications for the ORR and for prioritisation of work in commissioning 31 Jul 2023	31 Jul 2023	Eli Rykoff	2023-01-30 DM-SST Agenda and Meeting Notes
☐	Yusra AlSayyad will look to see if there is any effort to help on option 1 28 Aug 2023	28 Aug 2023	Yusra AlSayyad	2023-08-14 DM-SST Agenda and Meeting Notes
☐	Jim Bosch Provide a physical example of that a up on cell table would look like fo the Colin Slater / DAX team to review 31 Aug 2023	31 Aug 2023	Jim Bosch	2023-02-27 DM-SST Agenda and Meeting Notes