

2021-07-12 DM-SST Agenda and Meeting notes

Date & Time

12 Jul 2021 11:00 PDT

Location

Browser	Room System	Phone Dial-in
https://bluejeans.com/927260081	<ol style="list-style-type: none">1. Dial: 199.48.152.152 or bjn.vc2. Enter Meeting ID: 103664856 -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: 927260081

Attendees



- [Leanne Guy](#)
- [Eric Bellm](#)
- [Melissa Graham](#)
- [Keith Bechtol](#)
- [Yusra AlSayyad](#)
- [Colin Slater](#)
- [Zeljko Ivezić](#)
- [Robert Lupton](#)
- [Jeffrey Carlin](#)
- [Hsin-Fang Chiang](#)
- [Simon Krughoff](#)

Regrets

- [Robert Gruendl](#) (may make second half)
- [Jim Bosch](#)(leave)

Discussion items

Item	Who	Pre-Meeting Notes	Notes and Action Items
Project /Science Updates & Task review	Leanne Guy Zeljko Ivezić	<ul style="list-style-type: none">• PST recieved a note from DESC on "Note from DESC on pipelines". Read and discuss on #dm-sst-coord• Data security discussion with Livermore. Main remaining open issue is dealing with potential impactors. For objects that exceed 30deg/day and are determined by Livermore to not be sensitive assets, JPL/Earth impact people need to be alerted ASAP to run their own analysis for impactors.• Cybersecurity, NSF subcontracted the JASONS on security. Wil gave a report to the PST on the JASONS cybersecurity meeting at the ned of June. Discussion on implications for the summit - we need remote access. Will probably have a VPN.• Wil will propose to treat the Camera as a black box for security and ringfence it. Any implementation of security in the Camera will lead to a lot of delays.	<ul style="list-style-type: none">• September for a PST SciCollab talk on time sereis features? Works for Eric, (except 1 Sept)• Zeljko Ivezić :<ul style="list-style-type: none">◦ Tiger Team with Bob to decide what to do about satellite trails - need an assessment of the impact of trails. This is on the horizon and comes from the NSF and delivered by the JASONS.◦ Is there a DM session at PCW? Community facing - want to give a message in a controlled manner to update them on the status of pipelines.◦ Thanks to Jeffrey Carlin , Melissa Graham , Leanne Guy◦ : notebooks from DP0 - felt like doing real science, truth table matching, etc. Very mature and better than expected.

User batch requirements	Gregory Dubois-Felsmann	<p>As discussed at DMLT-vF2F - 2021-06-22/23, we have been requested to provide an interpretation of the user batch requirements that will define the minimum viable system we need to deliver.</p> <p>See Level 3 Definition and Traceability for the collected relevant requirements (summary: they don't constrain this very well).</p> <p>Output should be a referenceable document (DMTN)</p>	<ul style="list-style-type: none"> • Need to provide users with the capability to run ppl task based processing over images. • For catalogs - will be available in parquet format now so a DASK/Spark- like f/w and s/w to assist users to run over the collection of our catalogs • Variance quotas for different people - resource allocation mechanism to apply for more space beyond the baseline – Users Committee. Possibly automatically assign a small increment to avoid allocating space that is not used. 1 5 but to 20 has to go to an allocation committee. Limit up to which more could be allocated but beyond, might have to contribute money for resources. <ul style="list-style-type: none"> ◦ Proposal process can take sci. merit and release of results to the whole community available as criteria. Promote not enforceable. ◦ E.g new pz measure - publish as a table to federate would get extra points - have said this publicly. • In public, we have said: <ul style="list-style-type: none"> ◦ used the word batch and have said their would be a batch system. i.e that users could submit batch jobs from a nb to slum, etc ◦ said we would not constrain people to run entirely in our f/w. MCMC, forward modelling of catalogs that might not fit in our f/w. Implied they could run those ◦ Democratize access to sky and replace the need to compete for telescope time. This had to come with compute resources for people with little access to resources. These resources were not designed for DESC. They would saturate. • RHL: most DESC questions about about can they do their science with our s/w - 10% is not enough • Stuck: <ul style="list-style-type: none"> ◦ Batch is close to h/w - involves the USDF people. ◦ Not standard in the RSP in a portable way. • GPDF: conventional batch + DASK/Spark system + support for m/w <ul style="list-style-type: none"> ◦ CADC 2nd gen canfar - container based distributed batch-like system • RHL: classical codes - do not foreclose on supporting a posix files system, e.g s-xtractor • GPDF: Difficult to escape providing posix if we are going to let people provide their own code. To not do so would not be in conflict with requirements but there is a expectation, we have said this, be a descope • CS: Posix file system. does the env have to match, type of data access, is data access via APIs or posix itself? • DMTN should address these vague requirements in a quasi-technical manner. • GPDF: Reluctant to say that our files should be available via posix, e.g all image files would be available via a filesystem. But have a posix like fs for outputs is sustainable. • Use cases: time dependent lenses, high-redshift quasars, Andromeda - can download the data, bulk operations on catalogs. • Will write a DMTN (not just an RFC). Quasi technical language, others to provide some use cases to support this and make clear what is out of scope. • This can evolve over operations. Would be good to have for DP1. Not for DP0.2 to get feedback. Will we have user batch in the IDF at all? This will constrain the technical base. • HFC: Might use different tools to fulfill all the requirements. <p><input checked="" type="checkbox"/> Chase up whether DP1/2 will be on the IDF. What will be run at USDF/IDF? 26 Jul 2021 <i>Update: Yes, DP1/2 will be on the IDF.</i></p> <p><input checked="" type="checkbox"/> Gregory Dubois-Felsmann to summarise requirements and user expectations on user batch in a short DMTN. 23 Aug 2021</p>
10 oldest DM-SST issues	Leanne Guy	<ol style="list-style-type: none"> 1.  DM-13226 - Jira project doesn't exist or you don't have permission to view it. 2.  DM-10110 - Jira project doesn't exist or you don't have permission to view it. 	



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[DM-20311](#) - Jira project doesn't exist or you don't have permission to view it.

10.

AOB	Leanne Guy	<ul style="list-style-type: none"> Do we want to follow DMLT's lead and have a break in August? Next meeting is 2020-07-26 	We will break for the month of August and resume on 2021-09-20 (2021-09-06 is labour day holiday).
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List of SST tasks (Confluence)

Description	Due date	Assignee	Task appears on
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> Leanne Guy Prepare to consult the PST on the question of providing compressed PVLs 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 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

<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	"What is the pathway to defining the data products that are required to meet DMS-REQ-0266" Jeffrey Carlin 30 Nov 2023	30 Nov 2023	Jeffrey Carlin	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
<input type="checkbox"/>	Gregory Dubois-Felsmann Eli Rykoff to investigate splitting DMS-REQ-0298 (data access services for provenance) into separate 1a and 1b reqs. 30 Nov 2023	30 Nov 2023	Gregory Dubois-Felsmann	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
<input type="checkbox"/>	Leanne Guy Gregory Dubois-Felsmann , possible others small group to write description of how our deployment strategy meets DMS-REQ-0297. 30 Nov 2023 2024-01-30, See DMS-REQ-0297 -- Deployment Strategy	30 Nov 2023	Leanne Guy	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
<input type="checkbox"/>	Jeffrey Carlin follow up with KT on DMS-REQ-0176 and DMS-REQ-0315 to update /disaggregate this for latest base/summit infrastructure split. 30 Nov 2023	30 Nov 2023	Jeffrey Carlin	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
<input type="checkbox"/>	Jim Bosch Follow up on the possibility of investigating further the ability to process 2 collections in parallel. 31 Jan 2024	31 Jan 2024	Jim Bosch	2023-12-04 DM-SST Agenda and Meeting Notes
<input type="checkbox"/>	Jeffrey Carlin Gregory Dubois-Felsmann Colin Slater Define verifications for the consistency of collections part of this requirements - e.g. OSS-118 31 Jan 2024	31 Jan 2024	Jeffrey Carlin	2023-12-04 DM-SST Agenda and Meeting Notes
<input type="checkbox"/>	Gregory Dubois-Felsmann Jim Bosch Setup a meeting between science platform and middleware regarding user storage for butler purposes.		Gregory Dubois-Felsmann	2023-10-23 DM-SST vF2F Agenda and Meeting Notes

DM-SST-relevant Jira Tickets

key	summary	reporter	assignee	created	due
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