

# Current-Infrastructure Meeting 2017-03-16

## Date

16 Mar 2017


## Attendees



- [Gregory Dubois-Felsmann](#)
- [Unknown User \(pdomagala\)](#)
- [Sin-Fang Chiang](#)
- [Brian Van Klaveren](#)
- [Fritz Mueller](#)
- [Igor Gaponenko](#)
- [Kian-Tat Lim](#)
- [Unknown User \(jalt\)](#)
- [Donald Petravick](#)
- [Fabio Hernandez](#)
- [Simon Krughoff](#)
- [John Swinbank](#)

## Goals

- Ensure successful use of the current NCSA infrastructure
- Plan for near- and medium-term activities

## Discussion items

| Time | Item                           | Who   | Notes  |
|------|--------------------------------|---|--|
|      | Future meetings                | <a href="#">Unknown User (jalt)</a> , <a href="#">Unknown User (pdomagala)</a>  | <ul style="list-style-type: none"><li>• Paul will be taking over running current-infrastructure meetings with the next one, i.e., in two weeks time, 30 Mar 2017</li></ul>   |
|      | Camera Test Stand 8 (TS8) data | <a href="#">Gregory Dubois-Felsmann</a> , <a href="#">Unknown User (pdomagala)</a> , <a href="#">Hsin-Fang Chiang</a> | <ul style="list-style-type: none"><li>• <div> <a href="#">RFC-301</a> - Jira project doesn't exist or you don't have permission to view it.</div> covers the request to load this data.</li><li>• Consensus seems to have been reached on the acceptability of incremental additions of data without additional RFCs</li><li>• Discussion of the means of notifying NCSA staff that a new upload is complete and ready to be made mutable</li><li>• <a href="#">Unknown User (pdomagala)</a>: would prefer that the request be transmitted as a JIRA ticket<ul style="list-style-type: none"><li><input type="checkbox"/> <a href="#">Unknown User (pdomagala)</a> <b>30 Mar 2017</b> make a specific recommendation for the fields to use in these tickets (i.e., component, label, etc.) to ensure that they are seen by the right person and to facilitate summary queries</li></ul></li></ul> |
|      | Hardware status                | <a href="#">Unknown User (jalt)</a>   | <ul style="list-style-type: none"><li>• This morning's downtime is complete. All LSST GPFS filesystems now have the same block size.</li></ul>   |

|  |                    |  |   |
|--|--------------------|--|---|
|  | HSC data           | <a href="#">Hsin-Fang Chiang</a>                                 | <ul style="list-style-type: none"> <li>HSC PD1 (February public data release) has been loaded to <code>/datasets/hsc/repo</code> - see</li> </ul> <div>  <a href="#">DM-9683</a> - Jira project doesn't exist or you don't have permission to view it. </div> <div>  <a href="#">RFC-297</a> - Jira project doesn't exist or you don't have permission to view it. </div>   |
|  | HSC processing     | <a href="#">Hsin-Fang Chiang</a> , <a href="#">John Swinbank</a> | <ul style="list-style-type: none"> <li><a href="#">Lauren MacArthur</a> and <a href="#">Hsin-Fang Chiang</a> are collaborating on preparing to run the current versions of DRP code on HSC PD1. <ul style="list-style-type: none"> <li>It will be done with <code>ctrl_pool</code></li> <li>Still finalizing exactly what to run. Brief discussion of what to do about <code>meas_mosaic</code>. <a href="#">John Swinbank</a>: it should not be run at this time. Later in the cycle we are likely to run a variety of tests of <code>jointcal</code> and <code>meas_mosaic</code>, and this will be looked at as part of QA work on the pipelines.</li> <li>Planning to start run from latest weekly build but then hold version constant, if possible, for the whole dataset</li> </ul> </li> </ul>  |
|  | Storage interfaces | <a href="#">Simon Krughoff</a>                                   | <ul style="list-style-type: none"> <li>Interested in learning more about the plans for data (file) storage, whether object stores will be used, how metadata queries can be turned into DataIDs usable in the Butler. <ul style="list-style-type: none"> <li>Relevant to some processing cases that don't obviously fit into the current DM pipeline paradigm: MOPS and alert distribution</li> <li><a href="#">Donald Petravick</a>: current picture is that there need to be three databases involved in this area, enabling <ul style="list-style-type: none"> <li>Finding data by provenance</li> <li>Finding data by metadata describing the file</li> <li>Mapping data identity to data location (so that the "on-disk" arrangement of data can be changed)</li> </ul> </li> <li><a href="#">Donald Petravick</a>: working with <a href="#">Kian-Tat Lim</a> to develop a process for working out requirements, initially, and then design, for provisioning for storage (as well as for computing); will present an introduction at Monday DMLT <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Donald Petravick</a> 20 Mar 2017 Make presentation at DMLT meeting on the process for defining requirements</li> <li><a href="#">Gregory Dubois-Felsmann</a>: the question of whether the "all-powerful Butler" model for data access works for all parts of AP, including the ones <a href="#">Simon Krughoff</a> mentioned, is likely to come up soon in the SuperTask/Butler working group as well. <ul style="list-style-type: none"> <li>Seems like some specific Architecture Group attention to how MOPS and alert distribution will be structured may be needed. <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <a href="#">Kian-Tat Lim</a> and <a href="#">Simon Krughoff</a> to meet soon to kick off discussions 20 Mar 2017</li> </ul> </li> <li><a href="#">Donald Petravick</a>: NCSA also very interested if the Butler-handles-all-production I/O model has exceptions</li> </ul> </li> </ul> </li> </ul> </li> </ul> |
|  | PDAC status        | <a href="#">Gregory Dubois-Felsmann</a>                          | <ul style="list-style-type: none"> <li>Thanks to everyone for getting PDAC to the point where it was possible to demonstrate at the JTM. Everyone's work is very much appreciated.</li> <li>Will be discussing medium-term plans for PDAC at Monday's DMLT. Not ready to discuss in any detail today. Next week's PDAC meeting should be a good venue.</li> <li>WISE data partially loaded - Object-like and ForcedSource-like data loaded by <a href="#">Igor Gaponenko</a> and various Qserv issues that were exposed have been solved. Waiting for information from IPAC on how to access table column metadata. <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">Gregory Dubois-Felsmann</a> Make sure that <a href="#">Igor Gaponenko</a> and <a href="#">Unknown User (sgroom)</a> get connected to sort out WISE metadata APIs to get this transferred.</li> </ul> </li> <li>Chris Suberlak of UW is working on providing feedback on the first version of the system</li> </ul>  |

## Action items

