

# Non static DC2 DRP production

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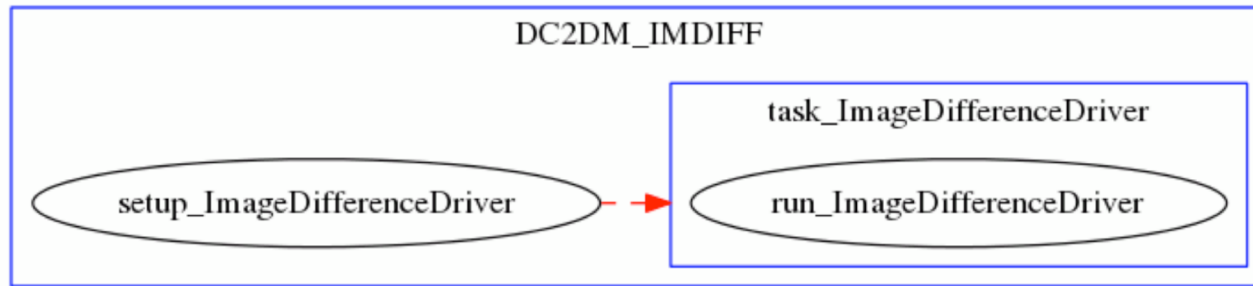
LSST France meeting, Clermont Ferrand – 4<sup>th</sup> June 2019



# Current procedure

- Use dia\_pipe package : fork of alert stream DM pipeline.
- Re-use the static pipeline products : calexp and coadd from Run1.2p
- Current coadd used for template image = no image selection (date or seeing), will come next.
- Test of results : comparison of the ground truth : input lightcurves, with the reconstructed lightcurves : **first checks, see Manal's slides**
- Decide (with SNWG) config baseline for larger tests (config files parameters for difference image, template coaddition parameters)

# Difference of 10 visits on UDDF, overlapping the same patch



Graph Orientation:  Left/Right  Top/Bottom . [Full Diagram](#) . [Diagram source](#)

Task Summary: Canceled: 0, Canceling: 0, Failed: 0, Queued: 0, Running: 0, Success: 1, Terminated: 1, Terminating: 0, Waiting: 0, Total: 2

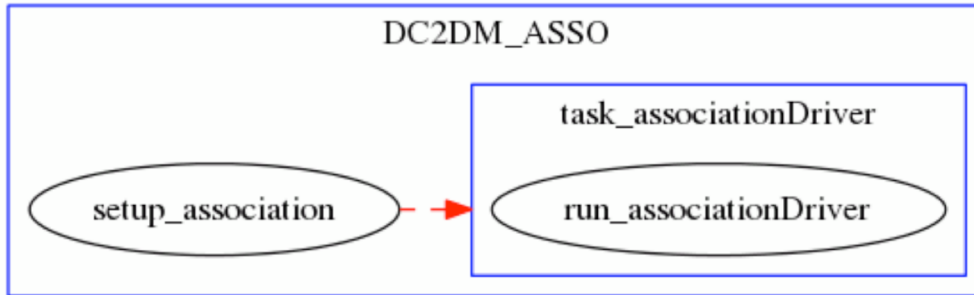
To filter by status click on the count in the status column. To see all streams click on the name in the Name column.

[Show running jobs](#) . [Show streams](#) . [Summary plots](#)

Show processes by status: [Waiting](#) [Ready](#) [Queued](#) [Submitted](#) [Running](#) [Success](#) [Failed](#) [Terminated](#) [Canceling](#) [Canceled](#) [Skipped](#) [ALL] [All not SUCCESS]

Task	Version	Process	Type											
DC2DM_IMDIFF	0.4	setup_ImageDifferenceDriver	Batch	0	0	0	0	0	1	0	1	0	0	
task_ImageDifferenceDriver	1.0	run_ImageDifferenceDriver	Batch	0	0	0	0	0	10	0	0	0	0	
<b>Totals</b>				0	0	0	0	0	11	0	1	0	0	

# Association, to create diaobject



Graph Orientation:  Left/Right  Top/Bottom . [Full Diagram](#) . [Diagram source](#)

Task Summary: Canceled: 0, Canceling: 0, Failed: 1, Queued: 0, Running: 0, Success: 0, Terminated: 0, Terminating: 0, Waiting: 0, Total: 1

To filter by status click on the count in the status column. To see all streams click on the name in the Name column.

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Task	Version	Process	Type												Total
DC2DM_ASSO	1.0	setup_association	Batch	0	0	0	0	0	1	0	0	0	0	0	1
task_associationDriver	1.0	run_associationDriver	Batch	0	0	0	0	0	204	204	0	0	0	0	408

# To do next

- Short term.
  - Add forced photometry on difference image
  - Run larger production
- Mid-term
  - Run/compare DC2 and real data (CFHT/HSC/ZTF)
  - Test bogus detection and estimate efficiency bias.
  - Test scene modelling