

Campaigns

List of productions that the campaign management team has acknowledged as routine and accepted to oversee.

In progress

Ops Rehearsal	“Intermittent Cumulative DRP” of the 3 nights of ops rehearsal data
Pilot/Co-Pilot	Homer Neal
channel/contact	#ops-rehearsal-3
Reps:	(Middleware) James Chiang (USDF infrastructure and Raws) Yusra AlSayyad (Pipeline) Colin Slater (V&V)
Schedule:	Starting: April 12th
Data:	3-nights of Simulated ComCam, replayed from the summit
Pipeline:	d_2024_03_29
Collection Names:	• repo = /repo/embargo • Intra-night (step1 + step2a processing): LSSTComCamSim/quickLook/24 • Full (step3+) run: LSSTComCamSim/runs/intermittentcumulativeDRP/20240402_03_04/d_2024_03_29/DM-43865
Notes	Setup: <pre>export LSST_VERSION=d_2024_03_29 source /sdf/group/rubin/sw/d_latest/loadLSST.bash setup lsst_distrib -t \${LSST_VERSION}</pre> Used: <pre>drp_pipe (tickets/DM-43659)</pre> export DAF_BUTLER_CACHE_EXPIRATION_MODE=datasets=500 Yaml: <pre>/sdf/home/h/homer/proc_comcam_sim/bps_Intermittent_Cumulative_DRP_sasquatch.yaml</pre>

Ops Rehearsal	Ops Rehearsal: Daily validation pipeline
Pilot/Co-Pilot	Homer Neal
channel /contact	#ops-rehearsal-3
Reps:	(Middleware) James Chiang (USDF infrastructure and Raws) Yusra AlSayyad (Pipeline) Colin Slater (V&V)
Schedule:	Day after each night of ops rehearsal playback, April 2,3,4.
Data:	Simulated ComCam, replayed from the summit
Pipeline:	d_2024_03_29
Collection Names:	• repo = /repo/embargo • Intra-night (step1 + step2a processing): LSSTComCamSim/quickLook/24 ◦ “quickLook” is a misnomer, this actually nightly validation. Will fix this after the ops rehearsal. • Full (step3+) run: LSSTComCamSim/runs/nightlyvalidation/{day_obs}/d_2024_03_29/DM-43612

Notes	Setup: <pre>export LSST_VERSION=d_2024_03_29 source /sdf/group/rubin/sw/d_latest/loadLSST.bash setup lsst_distrib -t \${LSST_VERSION}</pre> Used: <pre>drp_pipe (tickets/DM-43659)</pre> Submitting: <pre>In: /sdf/home/h/homer/proc_comcam_sim/ select the appropriate nightly: bps_nightly_validation_onlybatch_sasquatch-copyForNightly20240402.yaml bps_nightly_validation_onlybatch_sasquatch-copyForNightly20240403.yaml bps_nightly_validation_onlybatch_sasquatch-copyForNightly20240404.yaml</pre>
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Ops Rehearsal	Ops Rehearsal: Prompt Processing of ComCamSim data
Pilot/Co-Pilot	Hsin-Fang Chiang
channel/contact	#comcam-prompt-processing
Reps:	Kian-Tat Lim (Middleware) Dan Speck (Infrastructure) Ian Sullivan / Krzysztof Findeisen (Pipeline) Meredith Rawls (V&V)
Schedule:	During each night of ops rehearsal playback, April 2,3,4.
Data:	Simulated ComCam, replayed from the summit
Pipeline:	Apr 2, Apr 3: 2.4.0 (d_2024_03_29) Apr 4: 2.5.0 (d_2024_04_04)
Collection Names:	repo=/repo/embargo LSSTComCamSim/prompt/output-<day_obs>
Notes	Prompt Processing with LSSTComCamSim ops-rehearsal-3

~3 iterations	DRP on Simulated ComCam data at USDF
Pilot/Co-Pilot	Homer Neal / Erin Howard
channel /contact	#ops-rehearsal-3-sim/
Reps:	(Middleware) James Chiang (USDF infrastructure and Raws) Yusra AlSayyad (Pipeline) Colin Slater (V&V)
Schedule:	Iteration #1:Starting 22 February 2024 Iteration#2:Starting 8 March 2024 Iteration #3:Starting 22 March 2024
Data:	Simulated ComCam
Pipeline:	Iteration #1: Latest weekly after w_2024_08 Iteration #2: w_2024_10 Iteration #3: w_2024_12
Collection Names:	First iteration: - repo = /repo/ops-rehearsal-3-prep - collection = u/homer/htc-test1 Second iteration: - repo = /repo/ops-rehearsal-3-prep - collection = u/homer/w_2024_10/DM-43228 Third iteration: - repo = /repo/ops-rehearsal-3-prep - collection = u/homer/w_2024_12/DM-43439
Notes	DRPs in advance of the ops rehearsal are needed for refining the pipeline configs and generating a collection of difference imaging templates. We expect 3 iterations

One time	Multisite Scalability Test 0
Pilot/Co-Pilot	Brian Yanny / Jen Adelman-Mccarthy
channel /contact	#dm-rucio-testing / James Chiang
Reps:	Kian-Tat Lim (Middleware) Fabio Hernandez (Fr Infrastructure) George Beckett (UK infrastructure) James Chiang (US Infrastructure) Yusra AlSaiyyad (Pipeline) Colin Slater (V&V)
Schedule:	Starting ~Oct 2023
Data:	PDR2 WIDE VVDS Field.
Pipeline:	w_2023_48 (initially)
Collection Names:	butler: /repo/main (at USDF) hsc_pdr2_multisite (at FRDF, UKDF) HSC/runs/PDR2-VVDS-FR/w_2023_48/DM-40654 HSC/runs/PDR2-VVDS-UK/w_2023_48/DM-40654 HSC/runs/PDR2-VVDS/w_2023_48/DM-40654 (at USDF)
Notes	Multisite testing will be iterative. First iteration will be to send data (disjoint regions of sky) manually via Rucio to the sites, run step1/2a/2b, and send calexps and preSourceTable_visits back. Testing without cm_tools this iteration. DM-40654

On going	Monthly DRPs on RC2/DC2 datasets at USDF
Pilot/Co-Pilot	Orion Eiger / Jen Adelman-Mccarthy
channel/contact	#dm-hsc-reprocessing / Yusra AlSaiyyad
Reps:	No formal committee: Jeff, Angelo, and pipelines folks chime in on the hsc-reprocessing channel. Reviewed at the DRP Metrics Meetings
Schedule	Schedule
Campaign Names:	"the weekly XX RC2"
Pipelines	https://github.com/lst/drps/blob/main/pipelines/HSC/DRP-RC2.yaml https://github.com/lst/drps/blob/main/pipelines/LSSTCam-imSim/DRP-test-med-1.yaml
Collection Names:	butler: /repo/main HSC/runs/RC2/w_2023_XX/DM-XXXXX
Notes	

On going	Nightly LATISS Prompt Processing at USDF
Pilot/Co-Pilot	Hsin-Fang Chiang / <open>
channel /contact	#auxtel-prompt-processing / Eric Bellm
Reps:	Kian-Tat Lim (Middleware) Dan Speck (Infrastructure) Ian Sullivan / Krzysztof Findeisen (Pipeline) Meredith Rawls (V&V)
Schedule	During AuxTel imaging runs beginning May 2023
Pipeline	https://github.com/lst-dm/prompt_processing/blob/main/pipelines/LATISS/ApiPipe.yaml for the "AUXTEL_PHOTO_IMAGING" survey. Fallback to single frame processing only if no templates available.
Data	Butler: /repo/embargo
Collection Names	LATISS/prompt/output-YYYY-MM-DD (starting from 2024-03-25)

Notes	Runs may become more frequent than fortnightly as observing staff become available on Cerro Pachón. Prompt Processing with AuxTel Imaging Survey Data 2024, 2023 (Includes run names)
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On going	2023 LATISS Data Release Production at USDF
Pilot/Co-Pilot	Huan Lin / <open>
channel/contact	#rubinobs-sitcom-surveys / Erik Dennihy
Reps:	? (Pipelines) Colin Slater (V&V) <No rep> (Middleware/Infrastructure)
Schedule	Every two weeks
Data	Cumulative LATISS imaging taken since May 1st (since the new observing pattern and no_RG sequencer change).
Collections	posted in: AuxTel Imaging Survey Data Descriptions
Notes	Erik's Proposal

On going	Monthly AP Processing on HSC Cosmos, DECam HiTS/SahaBulge, and DC2 at USDF
Pilot/Co-Pilot	Erin Howard / Kenneth Herner
channel/contact	#dm-alert-prod / Ian Sullivan
Reps:	Eric Bellm (Pipelines) Meredith Rawls (V&V) ? (Middleware) ? (Infrastructure) Reviewed at the monthly AP QA meeting (links found here)
Pipeline	Per-collection. See: /sdf/group/rubin/u/elhoward/repo-main-logs/DM-XXXXX
Schedule	Monthly. Dataset chosen depends on goals.
Notes and Collection Names:	AP Precursor Processing Runs

On going	Afternoon Calibration Production at Summit and intermittent combine/certify at USDF
Pilot/Co-Pilot	Huan Lin / <open>
channel/contact	# / Christopher Waters (afternoon/cp_verify) # / Eli Rykoff (intermittent/combined)
Reps:	Tiago Ribeiro (ScriptQueue/Watcher) Cristián Silva (Infrastructure) Christopher Waters (Pipeline) TaxiCab? (V&V) #se-software-interact is the catch all triage channel. #auxtel-operations #dm-calibration-products
Schedule	Starting with LATISS January 29
Data	
Notes	Two aspects: - Afternoon: Check that the camera is working today (Summit) - Intermittent: Produce combined calibs for the prompt and DR productions (USDF)

One time	Scalability Test for USDF PanDA Server
Pilot/Co-Pilot	Sierra Villarreal / Jen Adelman-Mccarthy
channel/contact	▪ Sierra Villarreal

Reps:	
Schedule:	Started January 30 2024
Data:	
Campaign Names:	butler: repo/main u/sierrav/cm/pandatesting/DM-42607_test1
Collection Names:	butler: /repo/main
Notes	Goal: Find the max simultaneous cores that can be run simultaneously with the new USDF PanDA server. Currently testing w/ 6000 cores, some limited PanDA iDDS issues but otherwise seems fine?

Planned

On going	LATISS Rapid Analysis prompt processing at the Summit
Pilot/Co-Pilot	<open>/ <open>
channel/contact	Merlin Fisher-Levine
Reps:	
Schedule	Earliest that pieces be in place to make it possible is April
Notes	I am having trouble envisioning a scenario where campaign management looks after this

On going	LATISS 10am Analysis at USDF (TBD)
Pilot/Co-Pilot	
channel /contact	
Reps:	
Schedule	
Pipeline:	
Collection Names:	
Notes	

Completed

One Time	Internal Multi-site HSC PDR2 Data Release Production with v24.0.x (USDF to start)
Pilot/Co-Pilot	Jen Adelman-Mccarthy / Brian Yanny
channel/contact	#ops-cm-team / Yusra AlSayyad
Reps:	Yusra AlSayyad (Pipeline) Jim Bosch (Middleware), Richard Dubois (Infrastructure) Colin Slater (V&V)
Schedule	To be completed July 2023 – (Steps 1-7 ready for evaluation as of Aug 29, 2023) Faro tract, rollup collection completed Sep 19, 2023.
Data	2023 Internal HSC PDR2 Reprocessing at the USDF PDR2: Last rerun was in 2020: S20 HSC PDR2 Reprocessing
Pipeline	https://github.com/lsst/drp_pipe/blob/v24.0.x/pipelines/HSC/DRP.yaml
Campaign Names:	"Pilot Campaign" "DRP Test Production Campaign"
Collection Names:	butler: /repo/main , HSC/raw/all (has 26K exposure, superset of PDR2 17K), HSC/defaults (with calibs,skymap,masks, refcats) Input for step1: HSC/raw/PDR2/{WIDE,DEEP,UDEEP} HSC/runs/PDR2/WIDE/v24_1_0_rc2/DM-39132/ancillary Output for step1: HSC/runs/PDR2/{WIDE,DEEP,UDEEP}q/v24_1_0_rc2/DM-39132/step1 Inputs for step3: HSC/runs/PDR2/v24_1_0/DM-39132/step3_input,HSC/runs/PDR2/v24_1_0/DM-39132/ancillary Output for step3-6, inputs for steps 4-7: HSC/runs/PDR2/v24_1_0/DM-39132/step{3,4,5,6} Output for step7 (cumulative): HSC/runs/PDR2/v24_1_0/DM-39132/step7 (contains step3-6 outputs and ancillary skymap collection) Faro (tract-based metrics): HSC/runs/PDR2/v24_1_0/DM-39132/farotract Rollup collection: HSC/runs/PDR2/v24_1_0/DM-39132 (contains step 3-7 outputs, step3 inputs, farotract outputs, ancillary inputs (with skymap)).
Notes	Produce pipeline quality metrics on real data, and test multi-site scalability with PanDA.
RTN	http://rtn-063.lsst.io

One time	Data Release Preview 0.2 with DC2 on IDF
Pilot/Co-Pilot	Huan Lin /
channel/contact	#ops-df-proecessing / Hsin-Fang Chiang
Reps:	Yusra AlSayyad (Pipeline) Tim Jenness (Middleware) Colin Slater (V&V) (didn't have an infrastructure rep, because execution and Hsin-Fang were on infrastructure at the time)
Pipeline	https://github.com/lsst/obs_lsst/blob/v23.0.x/pipelines/imsim/DRP.yaml
Schedule	
Notes	