SDCC Network Operations
Status Report (Feb 6, 2020)

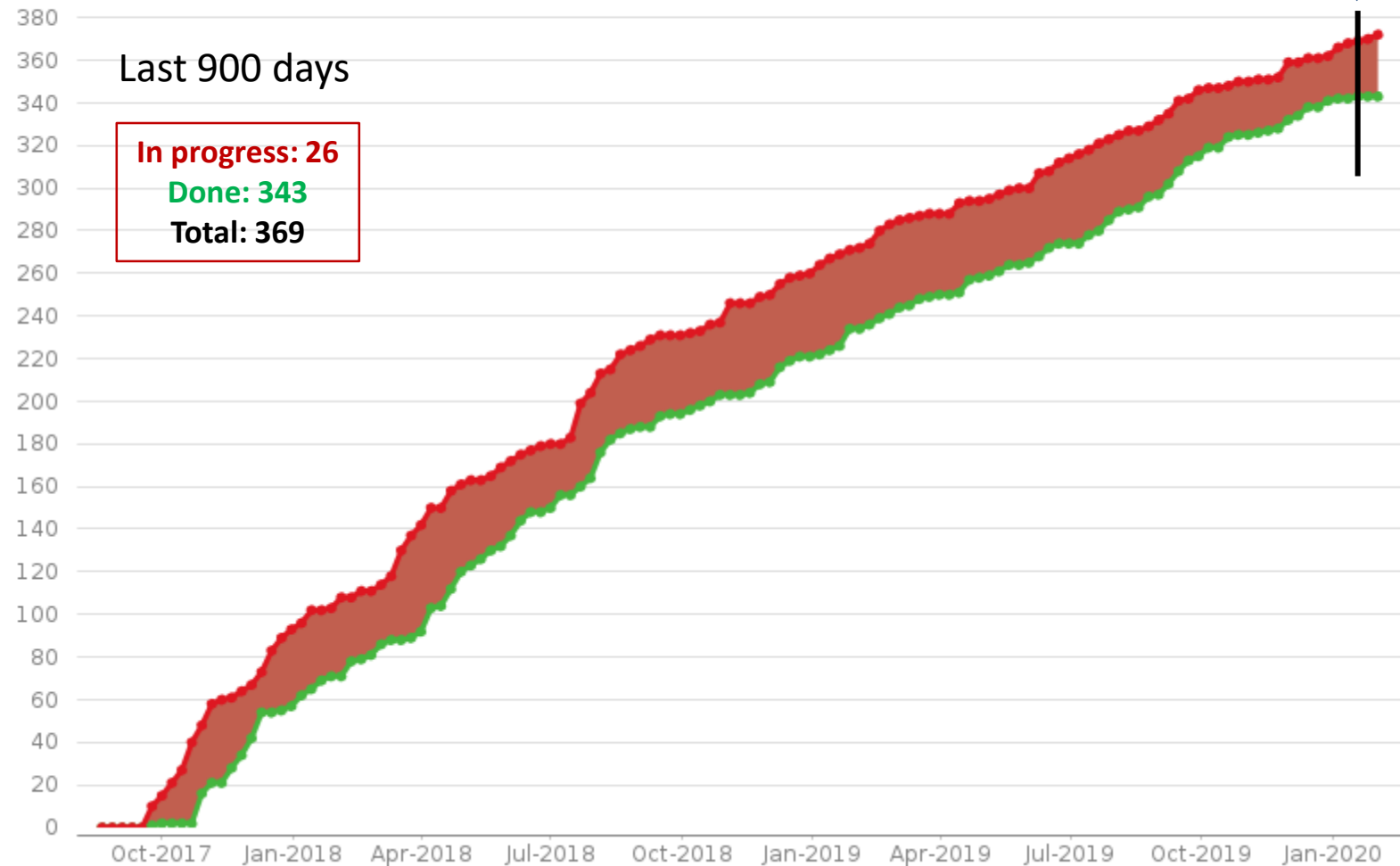Alexandr ZAYTSEV

alezayt@bnl.gov

Project: SDCC Network Operations & Interventions
Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **900** days.

Previous Report

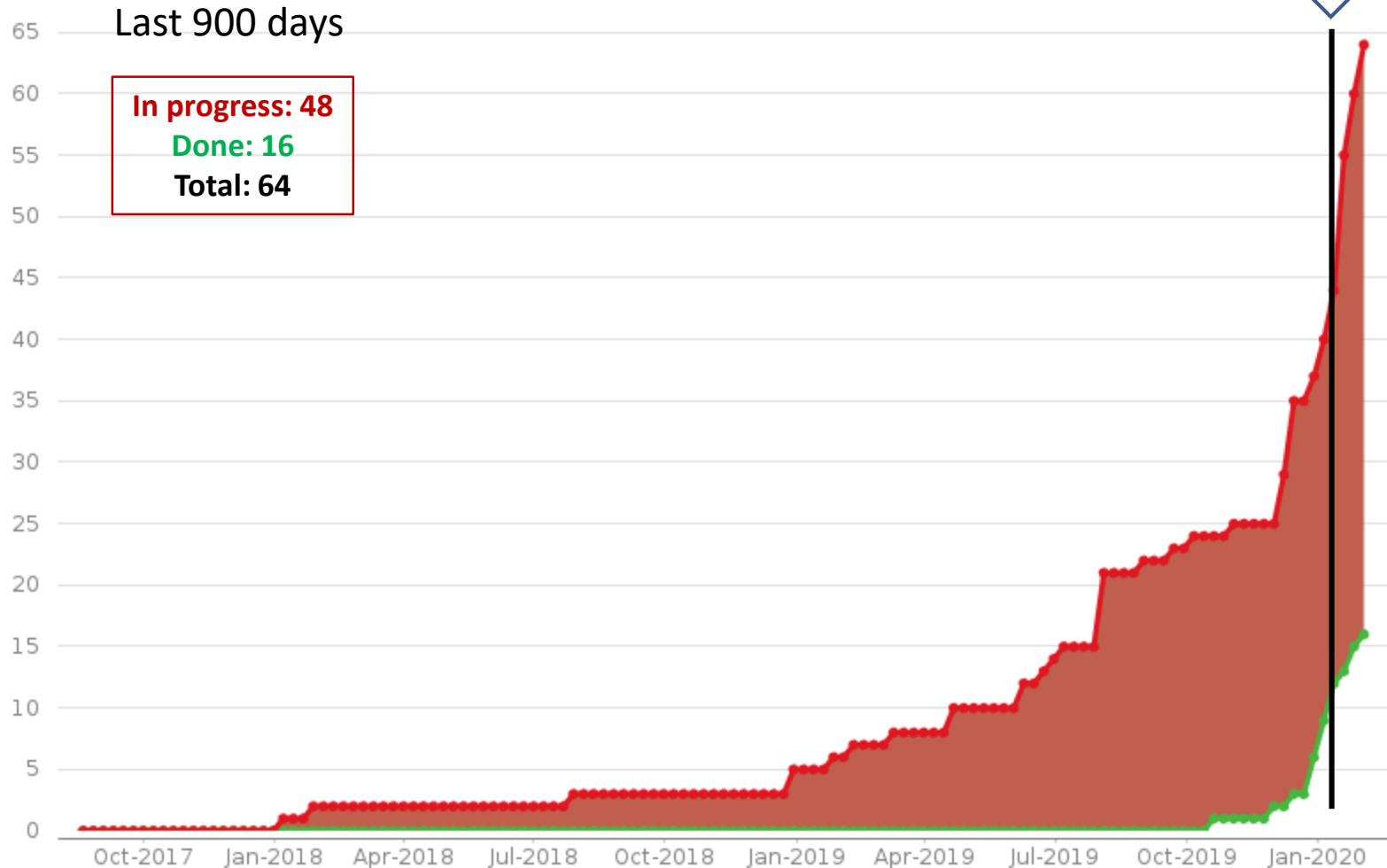Last 900 days

In progress: 26
Done: 343
Total: 369

Project: SDCC Datacenter B515/B725 Transition (CY20-23)

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **900** days.
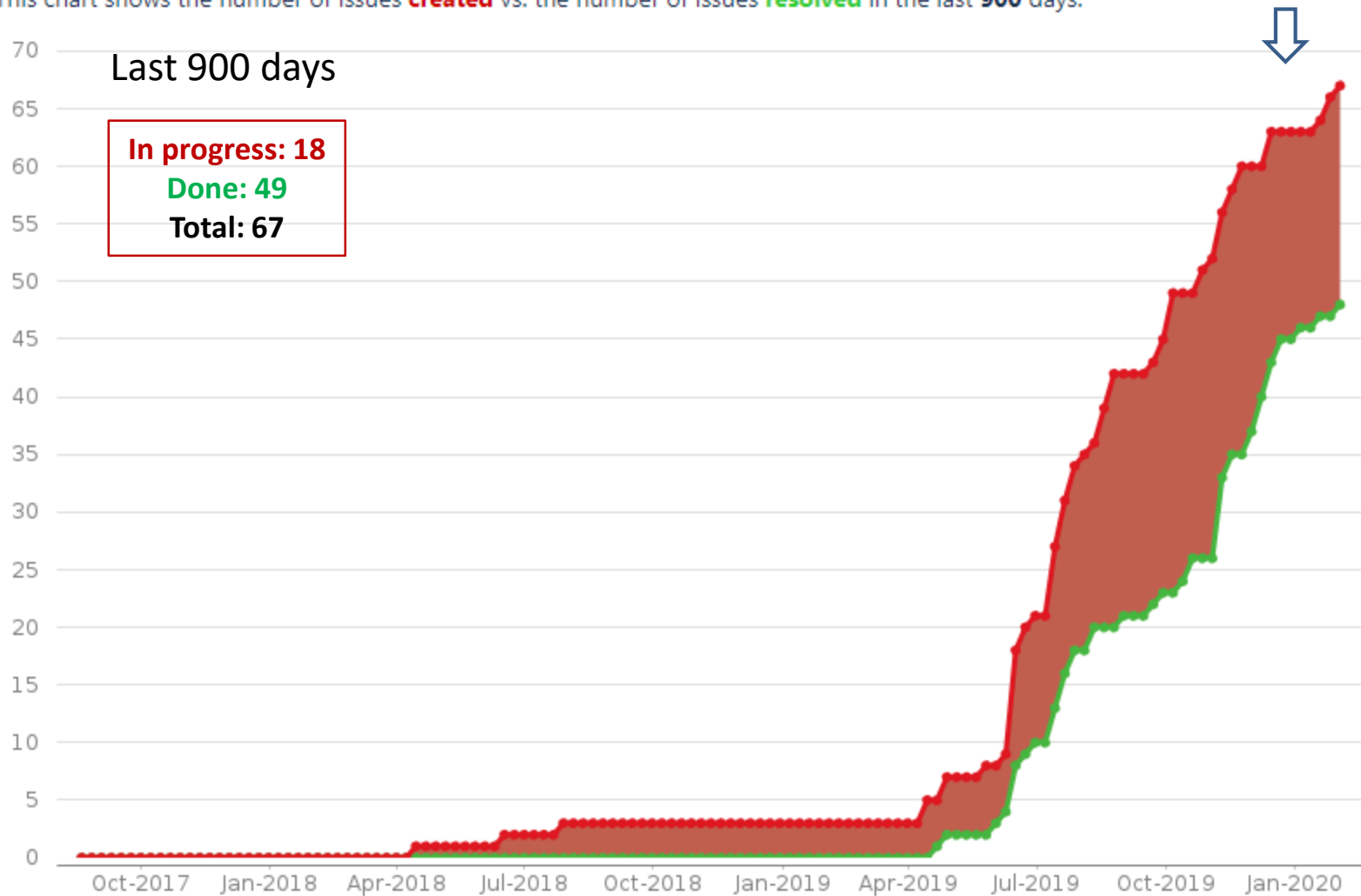
Previous Report

Last 900 days

In progress: 48
Done: 16
Total: 64

Project: HPSS Operation and Updates

Chart

This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **900** days.

Last 900 days

In progress: 18
Done: 49
Total: 67

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- The central network equipment for B725 datacenter is being purchased (10x Arista 7500R3 chassis + minimum set of linecards and transceivers) and expected to be delivered on site in Mar 2020 and to be deployed for production in B725 in Oct-Nov 2020
  - All the equipment is to be pre-deployed in the newly commissioned racks 17-[5-7] in BCF before migrating it to B725 in a fully configured state – the racks are yet to powered up

- DCIM expansion in CDCE onto the CDU of rows 46S-49S and 49N, and eventually 50N in CDCE is in progress (2020Q1) – equipment deployment is about to begin

- Purchase of the new Lustre MDSes and CH buffer storage for STAR is being initiated (to be deployed in row 45S in CDCE) – requisition is going though approvals

- CSI DGX-2 system is to be moved to the new Lab area of B725 soon (area 1-181) – targeting Monday-Tuesday Feb 10-11, 2020 to perform the move (1 day service interruption for DGX-2)

- HPSS SDP2 server relocation from BCF Silo #2 to BCF silo #6 with rewiring the Oracle isolated management network for the entire Oracle SL8500 library complex – expected to be conducted before the end of the month completely transparent for the HPSS users

- Three more compute nodes are being deployed in NSLS II interactive compute node rack 79-4 in BGL room bringing this rack to full capacity with the current CDU complement and 50% of the port count wise Arista BoR switch capacity (2x 10 GbE (LACP) DAC connected nods)

- The combined CPU purchase for ATLAS/RHIC of FY20 is expected to start shortly (new racks to be placed into row 50N in CDCE after retiring the existing legacy equipment standing there)

Questions & Comments