SDCC Network Operations
Status Report (Apr 23, 2020)
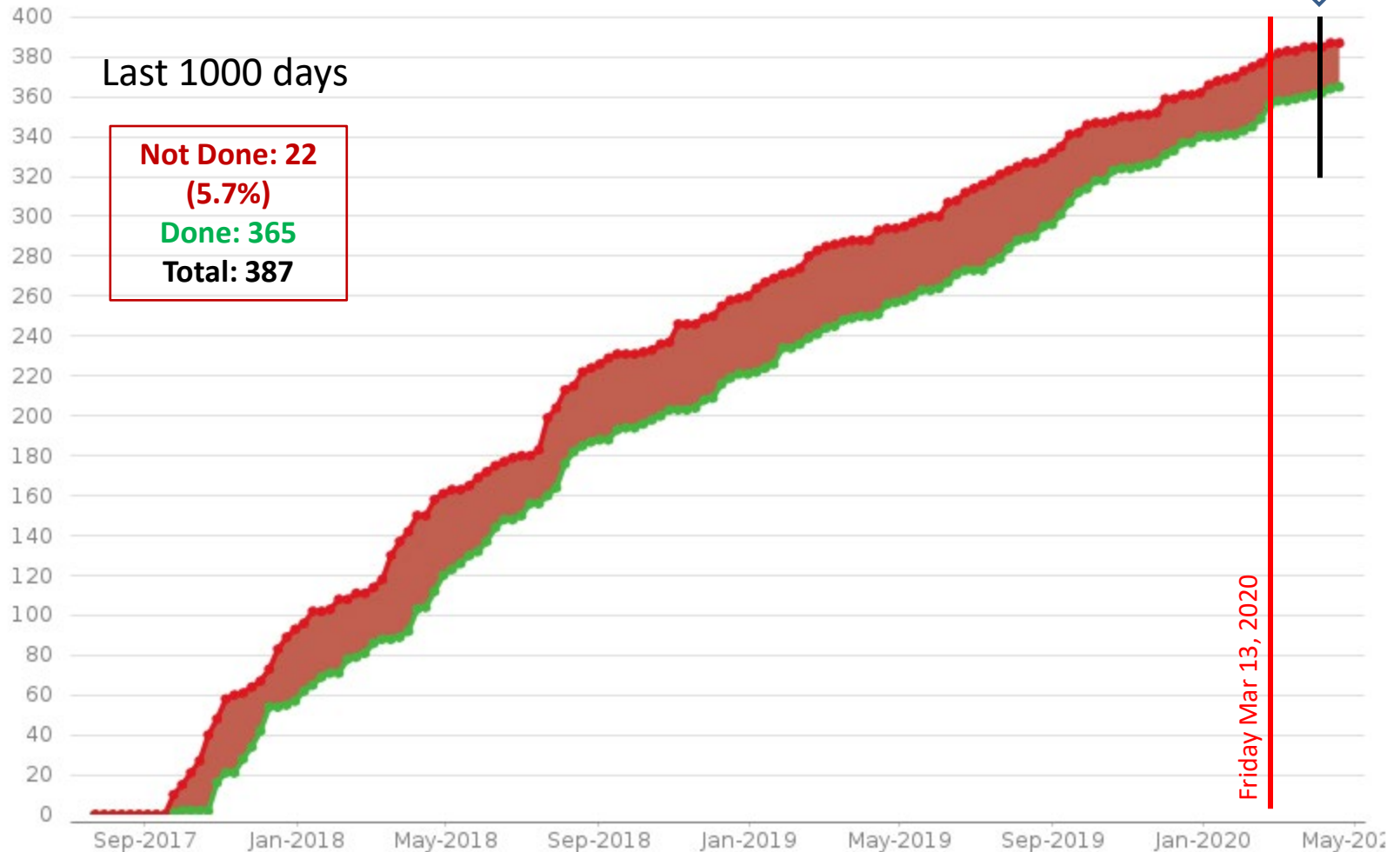
Alexandr ZAYTSEV

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 **1000** days.

Last 1000 days

**Not Done: 22
(5.7%)**
Done: 365
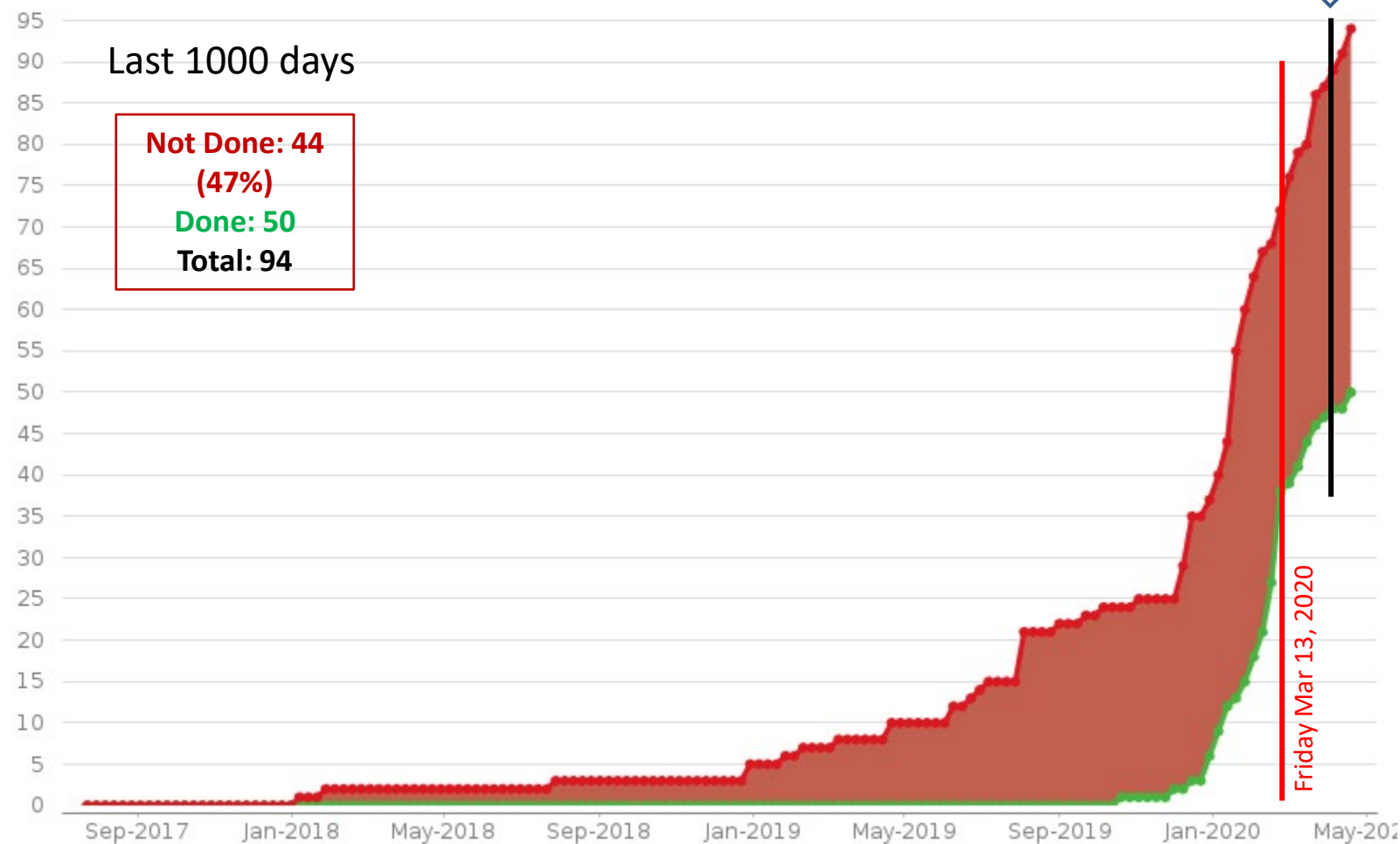**Total: 387**

Friday Mar 13, 2020

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 **1000** days.

Previous Report

Last 1000 days

Not Done: 44
(47%)
Done: 50
Total: 94

Friday Mar 13, 2020

Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- Many threads of activity for Network Operations, hardware retirement/refresh in B515 and preparation for the early B725 operations are halted, though the following threads are still progressing:
  - Procurement for network test and evaluation hardware (200GbE technology evaluation) – in progress
  - Finalizing the SevOne network monitoring system capacity extension to all SciZone inter-switch links
  - IPv4 space clean-up and IPv6 space planning – in progress
  - Design discussions and planning for future equipment installation and operations – in progress
  - Preparation for the remaining network equipment procurement for B725 in 2020Q2-3 – in progress
- A limited set of new hardware in still in the delivery pipeline (Lustre MDSes and CH buffer storage for STAR; destination – rack 45-5 in CDCE) – partial delivery on site occurred on Apr 10, 2020; the ETA for the full delivery is yet unknown
- The combined RHIC & ATLAS CPU procurement is entering the final phase (Farm/Fabric Group)
  - The retirement of the legacy CPU racks in row 50N is needed in order to make space & power available for 4 new CPU racks in positions 50-[20-23] in CDCE on a timescale of 2-3 months
  - Hopefully sanitization can be mostly done from remote
  - The rest of the operation (Telco part, migration of CDCE Sensaphone to row 49N, un-cabling and partial offloading to the pallets) will require some degree of presence of people on site
- New HW purchases is in preparation for the EIC related Lustre storage (GS Group) and tape drives (Storage/HPSS Group); destination for the Lustre installation – rack 45-1 in CDCE (rack frame is already in place but will require adjustments in order to receive high capacity JBODs)

Questions & Comments