SDCC Network Operations
Status Report (June 18, 2020)

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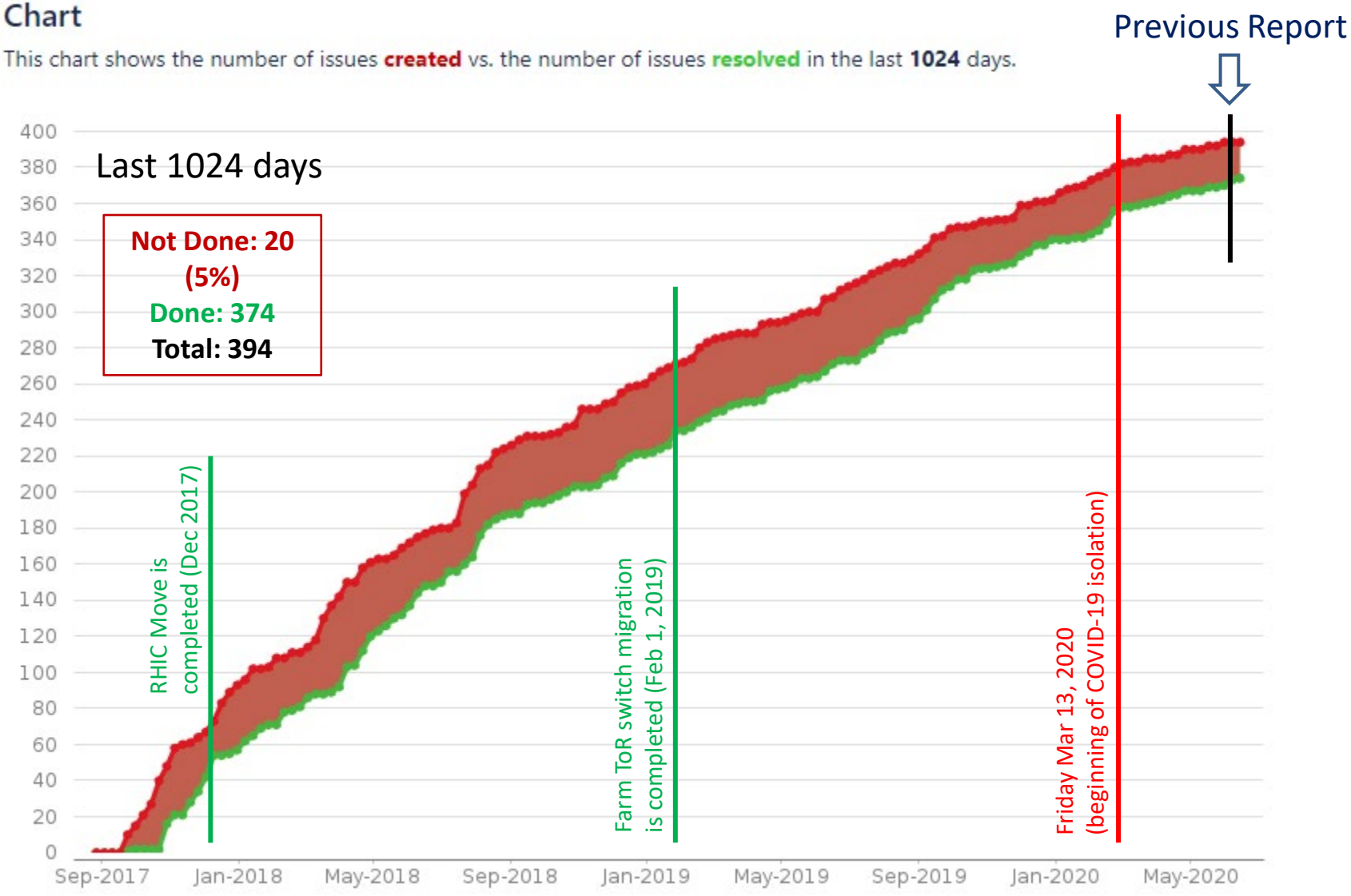
Project: SDCC Network Operations & Interventions

Chart

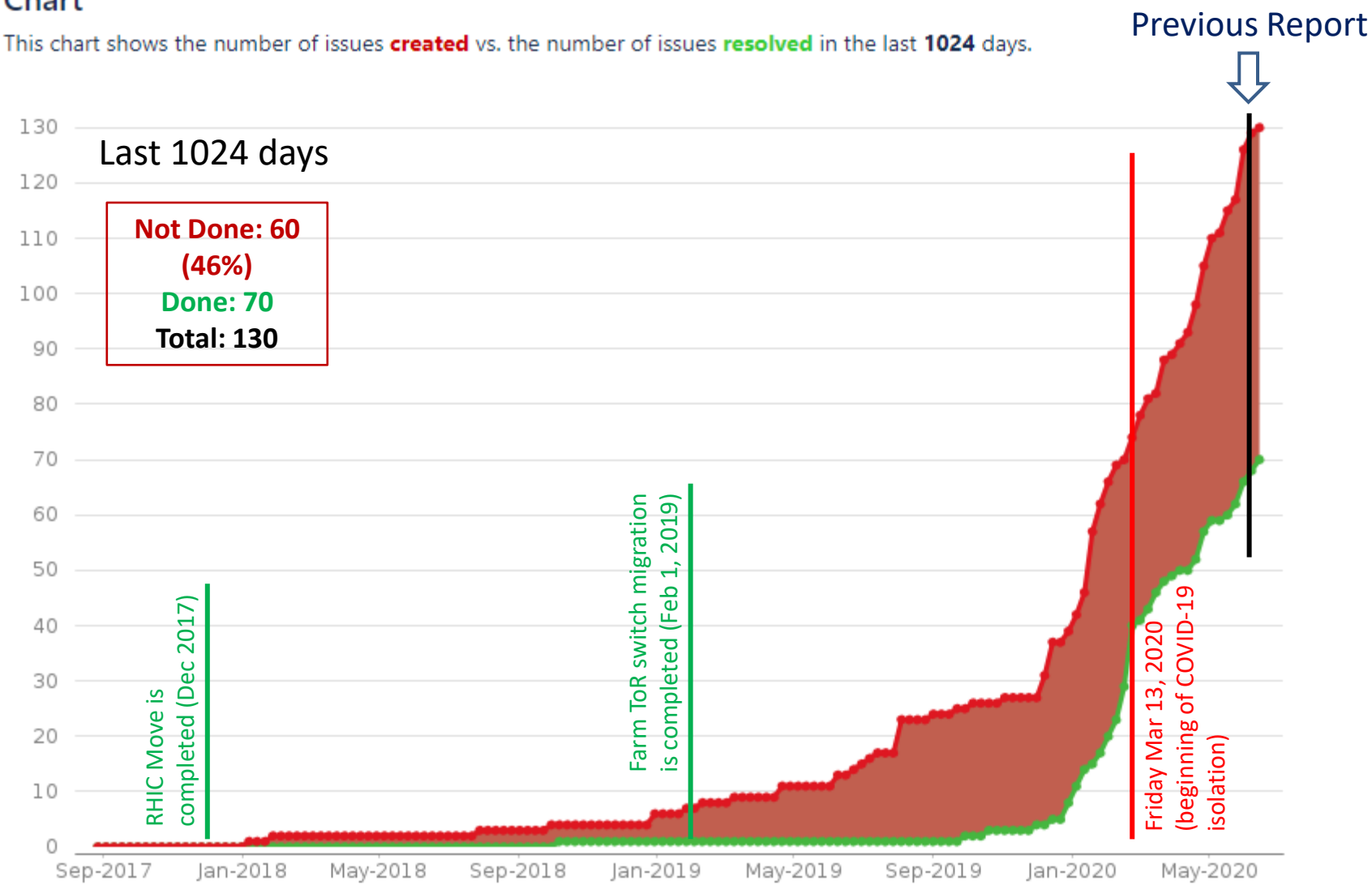
This chart shows the number of issues **created** vs. the number of issues **resolved** in the last **1024** days.



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 **1024** days.



Ongoing/Upcoming Interventions and Equipment Deployment/Retirement Operations

- STAR and GP Lustre MDSes and STAR CH buffer storage (destination: racks 45-[2 ,5] in CDCE)
  - Servers and JBODs deployed in the racks, power and network connected
  - Two more GP Lustre MDS servers are on the way
- The combined RHIC & ATLAS CPU procurement is dispatched (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 is expected to happen in June 2020 timeframe
  - Sanitization process is in progress by the Farm/Fabric group
  - Patch panel and BoR switch removal, migration of CDCE Sensaphone to row 49N, un-cabling and partial offloading to the pallets is to follow
- Two 14 TB HDD JBOD based storage purchases are now in the procurement pipeline
  - EIC Lustre storage (GS Group; 2x JBOD + headnode pairs) and EIC tape drives (Storage/HPSS Group)
  - Additional ATLAS dCache Storage (Storage/HPSS Group; 2x JBOD + headnode pairs)
  - Network uplinks are provisioned, but the rack frame 45-1 adjustments are yet to be done
- New monitoring systems are expected to be purchased/deployed before the end of FY20
  - Set of 4x 1U central graphite, destination: rack 42-6 [PO is dispatched] – additional patch panel ports are yet to be provisioned to this rack
  - New ELK real hardware cluster, destination: rack 45-2 [Quoting is in progress]
- Additional test equipment is getting purchased/deployed in FY20 as well
  - Dell PE R7515 server (the first PCIe v4 enabled system; single socket AMD EPYC 7402P based)
  - 200GbE test equipment (all delivered on site)

Questions & Comments