

Archive of NCSA Status Home

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Previous Outages or Maintenance

20-22-06-28-07-00	20-22-06-28-07-19-00	Radiant	Unexpected complications during Radiant Maintenance	Minimally disruptive, brief interruptions to OpenStack services, such as the Horizon dashboard Longer than expected outages of controller service. Instances that had floating IPs had no networking connectivity. Horizon dashboard and API was down (cannot launch new instances, etc).	radiant-admin@ncsa.illinois.edu	RESOLVED
06-11-22-14-00	06-11-22-04-20-22-16-30	Granite Tape Archive	FS was locked up due to a bug alert setting;	Ingest or retrieval of data from the cluster	bdickin2@illinois.edu slack-id: briandi	RESOLVED
20-22-06-02-18-00	20-22-06-02-18-30	NCSA Wiki Service	Due to a critical security vulnerability announced by Atlassian we have been forced to restrict access to the NCSA Wiki to NCSA internal networks. This restriction will remain in place until Atlassian is able to provide a patch or mitigation for the vulnerability.	No remote access is allowed to the NCSA Wiki. Use the NCSA VPN for remote access. More information about using the VPN can be found here: https://users.ncsa.illinois.edu/clausen/NCSA_VPN_instructions_202206.pdf	help@ncsa.illinois.edu	COMPLETE
20-22-06-22-14-30	20-22-06-22-19-00	NCSA LDAP1 replica is down	LDAP1 database server is failed. The IAM team is investigating.	Only servers using ldap1 and should use ldap2	tbouvet@illinois.edu	RESOLVED
20-22-06-22-14-30	20-22-06-22-16-00	NCSA LDAP central replicas (ldap2-3) and any services that rely on them.	LDAP database servers are failed. The IAM team is investigating.	Any service, such as the internal web server and Jira and Confluence servers, that rely on LDAP for user identification data may be affected.	help@ncsa.illinois.edu	RESOLVED
07-Jun-20-22-17-00	07-Jun-20-22-18-30	Confluence (Wiki)	Patching to address a security flaw	Confluence will not be accessible	help+service@ncsa.illinois.edu	COMPLETE
20-22-06-02-06-00	20-22-06-02-06-15	NCSA GitLab	GitLab was updated to latest version	All GitLab services were unavailable for a few minutes.	help+service@ncsa.illinois.edu	COMPLETE
01-Jun-20-22-17-00	01-Jun-20-22-19-00	Jira	Upgrade	Jira will not be available	help+service@illinois.edu	COMPLETE
20-22-06-01-00	20-22-06-01-10-15	Facility UPS	Replace two batteries,	All system with UPS feed, the UPS will stay online supporting loads but at reduced capacity and no outage expected.	rantissi@illinois.edu	COMPLETE
20-22-05-25-22-30	20-22-05-25-26-15	Delta	3 HSN switches were experiencing problems switches were updated and reconfigured	<ul style="list-style-type: none"> Slurm scheduler was paused to prevent new jobs from starting Taiga remained unmounted various nodes had no connectivity to the HSN most services were experiencing some amount of degradation 	help@ncsa.illinois.edu	COMPLETE

2022-05-25 18:00	2022-05-25 22:30	Taiga - CenterWide FS	Partial outage. Some projects asked to temporary unmount /taiga	delta	Christopher Heller	COMPLETE
2022-05-18 00:00	2022-05-18 14:00	Nightingale	Nightingale Planned Maintenance	All Nightingale Services	help@ncsa.illinois.edu	COMPLETE
2022-05-12 17:00	2022-05-12 18:00	Jira & Wiki	Change to puppet configs	Downtime expected on each system for 1 to 5 minutes	help+service@ncsa.illinois.edu	COMPLETE
2022-05-10 07:00	2022-05-10 19:00	iForge / vForge / license servers	Quarterly Planned Maintenance	all nodes and services will be unavailable	help@ncsa.illinois.edu	COMPLETE
2022-05-10 08:00	2022-05-10 08:15	cilogon.org	Update to OA4MP v5.2.6	Improvements in the back-end service	help@cilogon.org	COMPLETE
2022-05-09 18:00	2022-05-09 21:30	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were unable to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2022-05-10 00:15	2022-05-10 04:15	IDDS Accounting Services	Planned Maintenance	All IDDS services (APIs, acctd, etc)	help+idds@ncsa.illinois.edu , tolbert@illinois.edu	COMPLETE
2022-05-04 06:00	2022-05-04 06:22	NCSA GitLab	GitLab was updated to latest version	All GitLab services were unavailable for a few minutes.	help+service@ncsa.illinois.edu	COMPLETE
2022-04-19 12:00	2022-04-19 12:01	Radiant	Restarted the AMQP service to put in some performance changes	New instance or virtual network changes that were submitted during the five-second restart may have failed	radiant-admin@ncsa.illinois.edu	COMPLETE
2022-04-16 06:00	2022-04-16 06:30	CILogon	Several cilogon.org services will be updated	https://cilogon.org , https://crl.cilogon.org , https://demo.cilogon.org , ldaps://ldap.cilogon.org	help@cilogon.org	COMPLETE
2022-04-14 21:00	2022-04-15 09:15	Jira	New tickets cannot be created due to the user license limit being reached	Creation of new tickets.	https://www.ncsa.illinois.edu/expertise/user-services/user-support/	RESOLVED
2022-04-14 08:00	2022-04-14 08:30	Wifi, VoIP, CCTV and FS networks at NCSA.	Tech services will be replacing their building router at NCSA. They expect a 10 mins outage.	Services may see a temporary interruption as cables are being changed.	help+neteng@ncsa.illinois.edu	SCHEDULED

20-09-06 22:00	20-09-07 00:00	Internet2 / ESnet WAN connections.		During a few minute outage, some of our WAN circuits will be migrated. Traffic will be automatically re-routed.	help+neteng@ncsa.illinois.edu	SCHEDULED
20-03-17 09:00	20-04-12 10:30	jira	Idap auths have been sporadically failing. This service is being monitored to determine a root cause.	Jira logins break	help+service@ncsa.illinois.edu	RESOLVED
20-04-12 09:00	20-04-12 09:30	vsphere.ncsa.illinois.edu	vcenter security updates are being installed	vm management interface will be unavailable for 15 mins.	help@ncsa.illinois.edu	COMPLETE
20-04-07 19:00	20-04-07 19:50	NCSA VPN	Software Upgrades / SSL Certificate	The appliances hosting the NCSA VPN were patched and receive an updated SSL certificate. Users will experience a brief disconnect as load is failed over between the appliances.	neteng@ncsa.illinois.edu	RESOLVED
20-04-06 22:00	20-04-07 00:00	Some office ports on the second floor.	Once of the switches on the second floor is experiencing a software problem and is currently down. Code updates are being applied.	One of the six switches on the second floor is down. Users who are connected to this port, might not receive link.	help+neteng@ncsa.illinois.edu	RESOLVED
20-04-15 07:30	20-04-15 07:30	All systems which mount /utilize Taiga	A bug involving the multirail functionality caused constant reboots with one of the metadata servers. This resulted in cluster de-stabilization and loss of function.	All lustre/NFS mountpoints to Taiga, Globus to Taiga.	help@ncsa.illinois.edu	RESOLVED
20-04-04 09:30	20-04-04 10:00	NCSA LDAP	Instantiation of Delta resource OU branch in the NCSA LDAP database with replication testing.	No impacts to properly configured systems or searches is expected.	help@ncsa.illinois.edu	COMPLETE
20-04-06 01:00	20-04-07 00:00	NCSA GitLab	GitLab was updated to latest version	All GitLab services was unavailable for a few minutes.	help+service@ncsa.illinois.edu	COMPLETE
20-03-17 09:00	20-04-12 10:30	jira	Idap auths have been sporadically failing. This service is being monitored to determine a root cause.	Jira logins break	help+service@ncsa.illinois.edu	RESOLVED
20-04-09 00:00	20-04-09 00:30	vsphere.ncsa.illinois.edu	vcenter security updates are being installed	vm management interface will be unavailable for 15 mins.	help@ncsa.illinois.edu	COMPLETE
20-04-07 19:00	20-04-07 19:50	NCSA VPN	Software Upgrades / SSL Certificate	The appliances hosting the NCSA VPN were patched and receive an updated SSL certificate. Users will experience a brief disconnect as load is failed over between the appliances.	neteng@ncsa.illinois.edu	RESOLVED
20-04-22 00:00	20-04-22 00:00	Some office ports on the second floor.	Once of the switches on the second floor is experiencing a software problem and is currently down. Code updates are being applied.	One of the six switches on the second floor is down. Users who are connected to this port, might not receive link.	help+neteng@ncsa.illinois.edu	RESOLVED

20-06-15 22:06:30	20-06-15 22:06:30	All systems which mount /utilize Taiga	A bug involving the multirail functionality caused constant reboots with one of the metadata servers. This resulted in cluster de-stabilization and loss of function.	All lustre/NFS mountpoints to Taiga, Globus to Taiga.	help@ncsa.illinois.edu	RESOLVED
20-04-09 22:04:10	20-04-09 22:04:10	NCSA LDAP	Instantiation of Delta resource OU branch in the NCSA LDAP database with replication testing.	No impacts to properly configured systems or searches is expected.	help@ncsa.illinois.edu	COMPLETE
20-04-01 22:06:00	20-04-01 22:07:00	NCSA GitLab	GitLab was updated to latest version	All GitLab services was unavailable for a few minutes.	help+service@ncsa.illinois.edu	COMPLETE
20-03-23 22:10:00	20-03-23 22:16:00	Email Lists	Email lists (lists.ncsa.illinois.edu) are not functioning	Ability to send to email lists. Note: Bounced emails will need to be resent.	help+service@ncsa.illinois.edu	COMPLETE
20-03-22 22:30:09	20-03-22 22:30:15	Idap - NCSA primary server	OS updates and replication changes	NCSA LDAP primary server will be unavailable, replicas should remain accessible	Timothy Bouvet	COMPLETE
20-03-21 22:08:30	20-03-21 22:08:30	cilogon.org	Migrate CILogon Services to AWS	cilogon.org , demo.cilogon.org , crl.cilogon.org	help@cilogon.org	COMPLETE
20-03-01 22:15:00	20-03-01 22:15:00	Campus Cluster	Cooling units at ACB stopped functioning, temperatures in the datacenter soared to cause machines to power off due to high temps. By the time ICI was informed, cooling had resumed at ACB. ICI then restored service	All of Campus Cluster	help@campuscluster.illinois.edu	RESOLVED
20-03-17 22:11:00	20-03-17 22:11:23	ASD and ACHE vsphere clusters and ldap1 and ldap2	certs on ldap1 and ldap2 were updated	logins to ASD and ACHE vsphere were down for 23 minutes.	help@ncsa.illinois.edu	COMPLETE
20-03-17 22:09:08	20-03-17 22:10:01	Jira	Logins are slow or unsuccessful	Jira login		RESOLVED
20-03-16 22:17:00	20-03-16 22:18:00	DNS1	Hardware replacement on DNS1 server.	DNS lookups will be on own the primary DNS server while the hardware is being swapped. DNS2 will remain up.	help+neteng@ncsa.illinois.edu	COMPLETE
20-03-14 22:18:00	20-03-14 22:23:45	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE
20-03-10 22:07:00	20-03-10 22:15:00	Distribution panel DP-5C-1020. Power feed C to the north east corner power panels	De-energizing electrical distribution panel DP-5C-1020 to tie in power cables to Holl-I system	Known resources impacted: Granite : already planned to be offline for maintenance iForge : cluster offline for the duration Radiant : cluster online, without power redundancy	help@ncsa.illinois.edu	COMPLETE

20-03-07 00:00	20-03-09 08:10	linux.ncsa.illinois.edu (aka public-linux)	Upgrade server to RHEL 8 and add NCSA Duo 2FA authentication	Server was unavailable during maintenance.	help+service@ncsa.illinois.edu	COMPLETE
20-03-02 930	20-03-17 15:07	ICC	<p>Emergency PM</p> <p>We are seeing some network issues on the cluster. In order to resolve these issues, we need to upgrade code on our infiniband infrastructure</p> <p>UPDATE: We are currently experiencing unforeseen technical issues with the cluster. We are investigating and expect resolution and restoration of all Campus Cluster services by March 3rd 12PM</p> <p>UPDATE2: We are still experiencing issues where the compute clients will not properly mount storage. We are engaged with vendor support and continue to work on the situation. Thank you for your patience. We have moved expected return to service to March 4th, 12PM</p> <p>UPDATE3: Campus cluster is experiencing SLURM job failures in certain pods(sections) of the cluster. Investigations continue and there is a partial return to service with login nodes, storage, and data transfer services still operational. New full return of service date: Monday, March 7th, 12PM.</p>	ICCP filesystem will be offline. Most projects will be impacted. Special arrangements have been made with some to be able to operate to some degree during the outage.	help@campuscluster.illinois.edu	COMPLETE
20-03-02 12:37	20-03-02 17:15	iforge (iforge.ncsa.illinois.edu)	GPFS issue with interruption of filesystem leading to scheduler pause	1 running job was aborted, and any new jobs paused during the interruption	help@ncsa.illinois.edu	COMPLETE
20-03-02 06:00	20-03-02 06:30	Jira	Adding Ram to improve performance	Jira will be unavailable during maintenance	Timothy Bouvet Cameron Pitcel	COMPLETE
20-03-01 18:00	20-03-01 18:10	Idap2 server clients of NCSA LDAP	on-line maintenance	restart rsyslog and Ldap after relocating /var /logs clients should have redundant servers configured	Timothy Bouvet	COMPLETE
20-02-28 18:00	20-02-28 18:30	Idap1 server clients of NCSA LDAP	on-line maintenance Had to restart rsyslog and Ldap after relocating /var/log	slow response from Idap1 but clients should have redundant servers configured	Timothy Bouvet	COMPLETE
20-02-28 09:00	20-02-28 10:30	CMDB	V1.7.20220228 Release	MDB database will be unavailable. ITSM's openDCIM will be down for a short period (~ 5 minutes) while the data is reloaded.	kimber7@illinois.edu	COMPLETE
20-02-26 07:30	20-02-26 07:50	NCSA GitLab	GitLab was updated to latest version	All GitLab services were unavailable	help+service@ncsa.illinois.edu	COMPLETE
20-02-25 10:00	20-02-25 13:00	Taiga - CenterWide FS	Full file system outage	All clients mounting Taiga	John Maloney	COMPLETE
20-02-14 00:30	20-02-25 10:30	Jira, Internal /Savannah, LDAP, POP, Hosted web servers, virtual classroom, vcenter	<p>The NCSA VMWare cluster is experiencing storage performance issues.</p> <p>-- Update: Adjustments have been made to storage used by the LDAP servers and other non-essential VM instances have been disabled. Testing is indicating that response times have improved and services are working normally again.</p>	We monitoring services. Please report any issues to help@ncsa.illinois.edu	Timothy Bouvet	RESOLVED FOR NOW

20-02-24 10:00	20-02-24 11:15	cerberus2.ncsa.illinois.edu_tg-kdc1.security.ncsa.illinois.edu_bwbh2.ncsa.illinois.edu	One of the IRST ESXi machines unexpectedly shutdown.	The listed hosts are currently unavailable	help+security@ncsa.illinois.edu (John Walker)	COMPLETE
20-02-23 17:00	20-02-23 19:00	DNS2	DNS2 hardware will be replaced.	There will be a brief outage of DNS2, while IP's are migrated to the new server.	help+neteng@ncsa.illinois.edu	COMPLETE
20-02-22 08:25	20-02-22 13:24	Slack	<p>Info from Slack (https://status.slack.com/)</p> <p>We've resolved the issue, and all impacted customers should now be able to access Slack. You may need to reload Slack (Cmd/Ctrl + Shift + R) to see the fix on your end. If that doesn't work, try clearing cache (Help > Troubleshooting > Clear Cache and Restart from the app menu). Thanks for bearing with us and we apologize for the disruption to your work day!</p> <p>Feb 22, 1:24 PM CST</p> <p>We're seeing signs of improvement. Please try reloading Slack, and if not a cache reset. We're still monitoring the situation. We'll confirm once this issue is fully resolved.</p> <p>Feb 22, 11:07 AM CST</p> <p>Slack is not loading for some users. We are continuing to investigate the cause and will provide more information as soon as it's available.</p> <p>Feb 22, 9:23 AM CST</p> <p>We're still working towards a full resolution. We'll be back with another update soon. Thank you for your patience.</p> <p>Feb 22, 8:44 AM CST</p> <p>We're investigating the issue where Slack is not loading for some users. We're looking into the cause and will provide more information as soon as it's available.</p> <p>Feb 22, 8:25 AM CST</p>	Various issues accessing and using Slack	help@ncsa.illinois.edu	COMPLETE
20-02-18 12:10 PM	20-02-18 2PM	Jira	<p>Reboot to add ram/swap</p> <p>This is to improve stability</p>	Jira tickets unavailable	Timothy Bouvet	COMPLETE
20-02-10 10:30	20-02-10 3:55 pm	Ngale filesystem	<p>The Lustre filesystem is not loading correctly. The support team has been contacted.</p> <p>Still in progress. MDT0001 is partially recovered. Vendor is attempting to fully restore.</p> <p>Near completion: Working with vendor on additional configuration changes. Hope to complete final validation and return to service by close of business 2022-02-18.</p>	/ngale filesystem is not accessible.	Peter Hartman	COMPLETE
20-02-18 12:10 PM	20-02-18 2PM	Jira	<p>Reboot to add ram/swap</p> <p>This is to improve stability</p>	Jira tickets unavailable	Timothy Bouvet	COMPLETE
20-02-14 1PM	20-02-14 4:15 PM	All NCSA LDAP servers	Expanding schema and restarting servers	systems will reconnect to LDAP server after restart	Timothy Bouvet	COMPLETE
20-02-09 10:00	20-02-09 12:00	Facility UPS	UPS DC voltage calibration	UPS will be taken to maintenance bypass and all connected systems will be fed from unprotected power source (no power interruption).	rantissi@illinois.edu	COMPLETE

20-02-09 00:00	20-02-09 09:40	Line card failure in Core-East	Line card failure in Core-east, which is resulting in connectivity issues for some infrastructure in NCSA 3003.	DNS2, and LSST systems in 3003 were down until the uplinks could be migrated to a new port on Cores	help+neteng@ncsa.illinois.edu	COMPLETE
20-02-01 08AM	20-02-01 4PM	Jira/ldap-auth1	login issues	Jira Access	Timothy Bouvet	
20-02-09 05:34	20-02-09 08:11	LDAP (and dependent services, incl. Jira) vSphere/ICI VMware	Authorization timeouts/failures in dependent services. ICI staff are investigating.	LDAP (and dependent services, incl. Jira) vSphere/ICI VMware Cause of most severe issues was power fluctuations around 0555, but certain LDAP servers showed degraded slightly earlier.		COMPLETE
20-02-09 00:00	20-02-09 06:45	NCSA MySQL	MySQL database servers need to be synchronized to bring replicated database servers online. NOTE: The MySQL database is back up, but users may experience issues due to an LDAP issue.	Wiki, JIRA, Savannah/Internal, Identity, and some web sites will stop working. More details are linked here.	help+service@ncsa.illinois.edu	COMPLETE
20-02-08 07AM	20-02-08 3:15 PM	iforge / vforge / license servers	Regular Maintenance	iforge, vforge, license servers	James Long	COMPLETE
20-02-08 00:00	20-02-08 12:45	CMDB	V1.6.20220207 Release	CMDB database will be unavailable. ITSM's openDCIM will not be impacted.	kimber7@illinois.edu	COMPLETE
20-02-04 06:00	20-02-04 06:40	NCSA GitLab	GitLab was updated to latest version	All GitLab services were unavailable	help+service@ncsa.illinois.edu	COMPLETE
20-02-01 08:00	20-02-01 09:00	cilogon.org	Update to OA4MP v5.2.4	Improvements in the back-end service	help@cilogon.org	COMPLETE
20-01-25	20-01-25	Facility UPS	Replace UPS batteries	All systems with facility UPS feed	rantissi@illinois.edu	COMPLETE
20-01-24 00:00	20-01-24 20:00	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares will be unavailable during maintenance. Users will not be able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing will be unavailable.	help+service@ncsa.illinois.edu	COMPLETE
20-01-24 00:00	20-01-24 06:30	Failed line card on neo-hpc-1 switch	Line card failure is affecting devices that are plugged into Neo-hpc-1 aggregation switch. We've migrated links off the failed card, to other ports on the same switch.	No services are currently impacted.	help+neteng@ncsa.illinois.edu	IN PROGRESS
20-01-08 00:00	20-01-19 20:00	ICC	ICC Quarterly Maintenance	All ICC services	help@campuscluster.illinois.edu	COMPLETE

20-01-18 00:00	20-01-18 08:30	cilogon.org	Upgrade MyProxy CA servers to CentOS 7	Upgrade back-end MyProxy CA VMs from CentOS 6 to CentOS 7. No downtime is expected.	help@cilogon.org	COMPLETE
20-01-06 00:00	20-01-14 17:15	Business IT database had bad data.	A database that NCSA mirrors from campus changed without notice breaking our MIS system. Business IT isolated the issue and corrected the data.	Multiple complex systems have been affected by this data corruption issue.	help+service@ncsa.illinois.edu	RESOLVED
20-01-08 00:00	20-01-14 17:20	NCSAnet wireless	NCSAnet Wireless was unavailable due to bad data in ldap	Users couldn't connect to the NCSAnet wireless network	help+neteng@ncsa.illinois.edu	RESOLVED
20-01-05 11:00	20-01-05 11:45	CMDB	Version V1.5.20211223 release	CMDB database will be unavailable for a few moments; openDCIM will be unavailable for a few moments.	kimber7@illinois.edu	COMPLETE
20-12-20 30:30	20-12-20 30:30	Jira	Version Upgrade to address security issue	Jira will be unavailable	help+service@ncsa.illinois.edu	COMPLETE
20-12-13 00:00	20-12-17 13:40	CMDB	Version V1.4.20211217 release	CMDB database will be unavailable for a few moments; openDCIM will not be affected.	kimber7@illinois.edu	COMPLETE
20-12-17 00:00	20-12-17 06:22	NCSA GitLab	The server was updated with some new Puppet configurations.	GitLab services was unavailable for a few minutes as the SSL certificate for the service was updated.	help+service@ncsa.illinois.edu	COMPLETE
20-12-16 00:00	20-12-16 14:30	HTTP web proxy: httpproxy.ncsa.illinois.edu	NCSA's general purpose HTTP web proxy server was rebuilt.	HTTP web proxying through httpproxy was unavailable.	help+service@ncsa.illinois.edu	COMPLETE
20-12-10 00:00	20-12-10 13:45	iForge	InfiniBand switch maintenance	All systems unavailable	iforge-admin@lists.ncsa.illinois.edu	COMPLETE
20-12-09 00:00	20-12-10 10:00	Bastion Hosts (Production group B)	Patching out of cycle	Bastion Hosts (Production group B) were individually unavailable during reboot	help+security@ncsa.illinois.edu	COMPLETE
20-12-09 00:00	20-12-09 09:31	Bastion Hosts (Production group A)	Patching out of cycle	Bastion Hosts (Production group A) were individually unavailable during reboot	help+security@ncsa.illinois.edu	COMPLETE
20-12-08 00:00	20-12-09 09:00	All IDDS services	IDDS Postgres and Ruby on Rails upgrades	All IDDS services	tolbert@illinois.edu	COMPLETE

20 21- 12- 09 06 00	20 21 -1 2- 09 06 13	NCSA GitLab	GitLab was updated to latest version	All GitLab services were unavailable for about 5 minutes	help+service@ncsa.illinois.edu	COMPLETE
20 21- 12- 07 14 00	20 21 -1 2- 07 14 43	LSST	Kubernetes on NTS is not working properly after updates	Kubernetes on NCSA Test Stand	lsst-admin@ncsa.illinois.edu	RESOLVED
20 21- 12- 07 08 00	20 21 -1 2- 07 14 00	LSST	LSST Quarterly Maintenance	All LSST services hosted at NCSA	lsst-admin@ncsa.illinois.edu	COMPLETE
20 21- 12- 07 09 30	20 21 -1 2- 07 10 30	ACHE Firewalls	software maintenance	Firewalls will be upgraded using fail over procedures - no traffic impact expected	James Eyrich - eyrich on slack	COMPLETE

2 0 2 1 - 1 1 - - 3 0 0 1 9 1 00	2 2 - 1 1 - - 3 0 0 1 1 0 8 0: 00	TechServices connectivity at NPCF (wireless, facilities, IRIS, Prox scanners).	Tech Services will be replacing several network devices at NPCF that will impact a variety of services at NPCF.	The Tech Services will be replacing 3 devices at NPCF. Along with sporadic wireless outages, some facilities networks (such as IRIS and card readers) will be offline while some equipment is replaced. The main router replacement should only take 5 mins or so. The wireless switches will take 15-20 mins each.	help+neteng@ncsa.illinois.edu	COMPLETE
2 0 2 1 - 1 1 - - 3 0 0 1 1 0 8 0: 00	2 2 - 1 1 - - 3 0 0 1 1 0 8 0: 15	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were not able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2 0 2 1 - 1 1 - - 1 9 1 2: 52	2 2 - 1 1 - - 1 9 1 2: 52	lsst-esx08	server crashed	The following VMs rebooted: Idap-lsst-ncsa3 lsst-condordev-cm01 lsst-condordev-sub01 lsst-git lsst-influxdb-0 lsst-kubh02 lsst-kubh05 lsst-kubh08 lsst-login03 lsst-logintest01 lsst-ora-dbm01 lsst-pup-npcf lsst-ss-cfg02 lsst-teleggraf-0	lsst-admin@ncsa.illinois.edu	RECOVERED
2 0 2 1 - 1 1 - - 1 8 1 4 7 00	2 2 - 1 1 - - 1 8 1 4 7 50	ICI Metrics & Alerts	Migration to RHEL 8, ASD Puppet control, & CILogon authentication	The viewing of ICI dashboards and the firing of ICI alerts was unavailable during this migration	malone12@illinois.edu , bgllick@illinois.edu	COMPLETE

2021-11-11 00:25:40	NCSA website	Communications launched the newly redesigned NCSA site.	During launch, you may experience some down-time between while NCSA's technical team re-points the URL to the new site.	communications@lists.ncsa.illinois.edu	COMPLETE
2021-11-11 00:09:07:50:45	iForge	Quarterly Maintenance	All systems unavailable	iforge-admin@lists.ncsa.illinois.edu	COMPLETE
2021-11-11 03:00:00	Netdot SSL Certificate	The SSL certificate for Netdot expired and network engineering replaced it with a new one.	SSL certificate expired. Service remained available throughout the period	help+neteng@ncsa.illinois.edu	COMPLETE
2021-11-11 03:01:14:00	ESnet 100G link migration.	ESnet engineers will be migrating NCSA's 100G link to the new ESnet6 infrastructure.	The link will be down during the migration. Traffic will fall back to alternative paths.	help+neteng@ncsa.illinois.edu	COMPLETE
2021-11-11 03:01:11:00:20	NCSA GitLab	GitLab was updated to latest version.	All GitLab services were be unavailable	help+service@ncsa.illinois.edu	COMPLETE
2021-11-11 00:03:01:00:20	Core Router Linecard Replacement	Neteng replaced a linecard in one of the core routers	All connections to this linecard are redundant and no outage has been reported.	neteng@ncsa.illinois.edu	COMPLETE

2021-11-05 20:37	Production version of DCIM for CMDB (https://ncsa-cmdb.ncsa.illinois.edu)	Invalid certificate issue	(Fixed) The production version of CMDB will be unavailable until new certificate is received and applied. In the interim, the test server (https://ncsa-cmdb-test.ncsa.illinois.edu) has been made available for use, with all current data.	Kimber Blum (kimber7@illinois.edu)	COMPLETE
2021-11-08 00:00	cilogon.org	Update to OA4MP v5.2.3	Address several small issues in the back-end service	help@cilogon.org	COMPLETE
2021-11-06 00:10	Jira	Jira Upgrade	Jira	help+service@illinois.edu	COMPLETE
2021-11-05 00:18	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares will be unavailable during maintenance. Users will not be able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing will be unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2021-11-02 00:00	ICCP	ICCP Quarterly Maintenance <ul style="list-style-type: none"> VLAN Change for IPMI network OS update 	ICCP Cluster nodes only	help@campuscluster.illinois.edu	COMPLETE
2021-11-02 00:15	IDDS	IDDS maintenance (puppet changes)	All IDDS services	idders-admin@ncsa.illinois.edu	COMPLETE

2021-10-15 00:30	2021-10-15 00:30	NCSA GitLab	Server ran out of disk space	All GitLab services were unavailable	help+service@ncsa.illinois.edu	RESOLVED
2021-10-18 00:00	2021-10-18 00:00	Nightingale, ACHE	Planned maintenance on the Nightingale cluster and the ache-dist switch	There was an outage for the following services during the maintenance: <ul style="list-style-type: none"> ALL Nightingale hosts/services ALL firewalled traffic in/out of ACHE, which includes admin access & monitoring in/out of ALL of ACHE (this portion was complete by 1140) <ul style="list-style-type: none"> network access to ALL of the ache-esxi-hosted VMs, including ache- and ngale-bastion hosts ACHE FW IPMI interfaces 	help+service@ncsa.illinois.edu	COMPLETE
2021-10-18 00:05	2021-10-18 00:05	www.ncsa.illinois.edu per-user web directories	Per-user web directories on the main NCSA website are being redirected to a new website dedicated to per-user web directories.	URLs like www.ncsa.ncsa.illinois.edu/People/* are redirected to their new home at https://users.ncsa.illinois.edu/* .	help+service@ncsa.illinois.edu	COMPLETE
2021-10-19 00:30	2021-10-19 00:30	LSST	LSST Quarterly Maintenance <ul style="list-style-type: none"> OS updates K8S updates 	All LSST services hosted at NCSA	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-10-19 00:00	2021-10-19 00:00	cilogon.org	Update to OA4MP v5.2.2	Update Java database libraries, and address several small issues	help@cilogon.org	COMPLETE
2021-10-19 00:13	2021-10-19 00:13	CMDB / openDCIM	Installing/upgrading to CMDB release Sep2021	The openDCIM front end of CMDB will be down for 15-30 minutes	Kimberly Blum, Ali Banerjee	COMPLETE

2021-09-28 01:54:00	NPCF work on facility power	Deenergizing power to transformer TX-4C-1020, pulling and terminating busduct cabling from transformer to room 2020.	One third of Sonexion racks will lose source 1 power (Feed C) and will continue to operate on source2 degrading reliability by losing power redundancy.	Moham Rantissi	COMPLETE
2021-09-28 00:00:00	Blue Waters	A rack of scratch lost power during the power outage.	Scratch was partially unavailable due to TOR power resiliency issue.	David King	COMPLETE
2021-09-28 00:00:00	idp.ncsa.illinois.edu	Assert eduPersonAssurance Cappuccino profile for NCSA Staff	NCSA Staff logging in with the NCSA Identity Provider will be able to get Silver CA certificates from cilogon.org	help+idp@ncsa.illinois.edu	COMPLETE
2021-09-28 04:50:02	vcenter appliance controlling ASD vsphere	vcenter appliance was upgraded	vsphere.ncsa.illinois.edu was off-line for 12 minutes.	help+service@ncsa.illinois.edu	COMPLETE
2021-09-28 07:15:00	Blue Waters	Power Work caused non redundant switches and misconfigured servers to shutoff	Blue Waters Compute, Login and Scheduler	bw-admin@ncsa.illinois.edu	COMPLETE
2021-09-28 00:12:30	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were not be able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE

2022-09-14 00:00	Internet2 WAN circuit	Internet2 will be migrating our WAN circuit to new hardware.	Traffic over that path will reroute while the change happens. We anticipate the migration to take less than 30 mins.	help+neteng@ncsa.illinois.edu	COMPLETE
16 September 21 00:00	Wiki	Upgrade to next version	Wiki will be unavailable	help+service@ncsa.illinois.edu	COMPLETE
2022-09-06 00:00	NCSA VPN	Software Upgrades	The appliances hosting the NCSA VPN will be patched. Users will experience a brief disconnect as load is failed over between the appliances.	help+neteng@ncsa.illinois.edu	COMPLETE
2022-09-08 13:40:00	Group prod_b Bastion hosts	Out of cycle patching	Bastion hosts in group prod_b will be patched and rebooted. (see MOTD for group assignment)	help+security@ncsa.illinois.edu	COMPLETE
2022-09-08 19:00:00	Group prod_a Bastion hosts	Out of cycle patching	Bastion hosts in group prod_a will be patched and rebooted. (see MOTD for group assignment)	help+security@ncsa.illinois.edu	COMPLETE
2022-09-23 00:00 AM	PDU in rack AA81	We are replacing a PDU in NPCF rack AA81	All systems in the rack have redundant power connections. No service outages are expected from this work	help+service@ncsa.illinois.edu	COMPLETE

2021-09-01 00:00	cilogon.org	Update to OA4MP v5.2.1	Device Authorization Grant Flow transactions will be stored in database rather than in memory	help@cilogon.org	COMPLETE
2021-09-01 21:00	Wiki	Security patch is being applied	Wiki will be down	help+service@nicsa.illinois.edu	COMPLETE
2021-08-25 09:00 am	Blue Waters	System reboot due to blade fallout coinciding with HSN reroute and SMW not recovering.	All jobs interrupted	jenos@illinois.edu	COMPLETE
2021-08-11 00:57 38 00	IRST systems hosted on IRST Node 2	Storage controller failure, all VMs taken offline	some prod_b systems, and non-redundant services.	eyrich@illinois.edu	RESOLVED
2021-08-11 05:34 20	cilogon.org	Storage controller failure in IRST VM farm	cilogon.org was unreachable until we initiated fail-over to our backup servers at NICS.	help@cilogon.org	COMPLETE
2021-08-11 08:36 56	NCSA Wiki	Test instance caused interference.	NCSA Wiki	help+service@nicsa.illinois.edu	COMPLETE

2021-08-17 00:00	2021-08-17 00:00	NCSA /NPCF Wide Area Network	Between 5:00AM and 7:00 AM CDT on 08/17/2021, Campus ICCN Engineers will be upgrading firmware on the ICCN router 710trt at the Starlight facility in Chicago.	Our peerings with MREN and OmniPoP will go down. All traffic destined for those peerings will reroute via other peerings, so no production impact is expected.	help+neteng@ncsa.illinois.edu	COMPLETE
2021-08-16 00:00	2021-08-16 00:00	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares will be unavailable during maintenance. Users will not be able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing will be unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2021-08-12 09:54:12	2021-08-12 09:54:12	Jira	Attempted snapshot of Jira in vSphere was too intensive for the system	Jira	help+service@illinois.edu	COMPLETE
2021-08-10 00:00	2021-08-10 00:00	Radiant API and Web access	Radiant cluster name change.	During this time access to the API endpoints and the Horizon web dashboard will be <i>intermittently</i> unavailable. Instances will continue to run and be available over the network with no interruptions.	radiant-admin@ncsa.illinois.edu	COMPLETE
2021-08-07 00:10	2021-08-07 00:10	iForge	Quarterly Maintenance	All systems unavailable	iforge-admin@lists.ncsa.illinois.edu	COMPLETE
2021-08-09 11:44:21	2021-08-09 11:44:21	NCSA Wiki	DB conflict configuration with Wiki & Wiki-Test	NCSA Wiki was inaccessible	help+service@ncsa.illinois.edu	COMPLETE

2022-08-05 11:00:00	2022-08-05 11:00:30	NPCF Core Router - Linecard Reboot	A problem was identified on one of the line cards in our core router requiring a reboot of the linecard. The linecard was successfully rebooted and we will continue monitoring the hardware for further issues.	All connections to this linecard are redundant and there was no impact to users.	neteng@ncsa.illinois.edu	COMPLETE
2022-08-05 01:00:00	2022-08-05 01:00:00	LSST	LSST Emergency OS Patching	LSST services hosted at NCSA except: <ul style="list-style-type: none"> NTS will remain up (has already been patched) 	lsst-admin@ncsa.illinois.edu	COMPLETE
2022-08-04 01:00:00	2022-08-04 01:07:00	Radiant API and Web access	Installation of new Radiant cluster Cluster name changes are starting at 1100; This will make the horizon dashboard unreachable.	During this time access to the API endpoints and the Horizon web dashboard will be <i>intermittently</i> unavailable. Instances will continue to run and be available over the network with no interruptions.	radiant-admin@ncsa.illinois.edu	COMPLETED
2022-08-04 00:00:00	2022-08-04 00:00:00	cilogon.org	Update to OA4MP v5.2.0	Added support for Device Authorization Grant Flow (RFC 8628)	help@cilogon.org	COMPLETED
2022-08-03 01:00:00	2022-08-03 01:07:00	Radiant API and Web access	Installation of new Radiant cluster	During this time access to the API endpoints and the Horizon web dashboard will be <i>intermittently</i> unavailable. Instances will continue to run and be available over the network with no interruptions.	radiant-admin@ncsa.illinois.edu	COMPLETED
2022-08-03 09:00:00 am	2022-08-03 09:01:00 am	Radiant Cluster	A change was made to the firewall that unintentionally restricted access for instances and other internal cluster communication.	Access to instances and workload	radiant-admin@ncsa.illinois.edu	RESOLVED

2021-07-31 00:30	CILogon hosted services	Infrastructure maintenance	During this time each service hosted by CILogon including CManage Registry, LDAP, Grouper, SAML proxy, and MDQ will become unavailable for a short time. Each individual service outage will last less than 5 minutes. Services that will not be impacted include: * OIDC clients that do not query LDAP for resolving attributes * X.509 certificate issuance and certificate revocation lists * LIGO and GW-Astronomy services	help@cilogon.org	COMPLETE
2021-07-31 00:00	IRST-run bastion hosts (pool B)	Security patching	Hosts managed by IRST will be patched and rebooted. Only hosts in pool B will be patched at this time	help+security@ncsa.illinois.edu	COMPLETE
2021-07-31 00:00	IRST-run bastion hosts (pool A)	Security patching	Hosts managed by IRST will be patched and rebooted. Only hosts in pool A will be patched at this time	help+security@ncsa.illinois.edu	COMPLETE
2021-07-28 00:50	LSST	OS Updates on only NCSA Test Stand (NTS)	Only the LSST NCSA Test Stand (NTS) services hosted at NCSA	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-07-26 00:00	Jira	Upgrade	Jira will be unavailable	help+service@ncsa.illinois.edu	COMPLETE
2021-07-26 00:00	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were not able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE

2021-07-21 08:00	2021-07-21 08:00	ICCP	ICCP Quarterly Maintenance • TBD	All ICCP services	help@campuscluster.illinois.edu	COMPLETE
2021-07-21 15:24	2021-07-21 15:24	ASD Vshpere cluster in 3003	One of the 4 hypervisors in the cluster panicked. Unscheduled preventative maintenance is being preformed on it and the other 3 nodes in the cluster.	after the initial outage at 15:24, there should be no additional outages.	help+service@n.csa.illinois.edu	COMPLETE
2021-07-21 00:00	2021-07-21 00:00	cilogon.org	Update to OA4MP v5.1.4.	The OAuth2/OIDC backend of the CILogon Service will be updated to OA4MP v5.1.4.	help@cilogon.org	COMPLETE
2021-07-21 08:00	2021-07-21 08:00	OpenAFS	The remaining OpenAFS database servers were upgraded.	No service impacts were seen	help+service@n.csa.illinois.edu	COMPLETE
2021-07-21 00:00	2021-07-21 00:00	CILogon AWS Hosted Services	Upgrading AWS RDS Aurora MySQL v5.6 to v5.7	CManage Registry and Grouper services hosted by CILogon will be unavailable	help@cilogon.org	COMPLETE
2021-07-21 01:40	2021-07-21 01:40	Horizon dashboard access was down for the entire period. Cluster networking was down from 1200 to 1430.	Investigations into Horizon dashboard accessibility issues resulted in the application of an incorrect default network gateway for the cluster around noon. This was corrected and networking functionality restored around 1400. Instances began recovering soon thereafter.	Radiant admins believe running instances have recovered on their own but we advise everyone to check their systems and report any issues they see to the help desk.	help@n.csa.illinois.edu	RESOLVED

2020-07-01 00:00	2020-07-01 00:00	Various systems in NPCF, ACB, NCSA	There was a power event in the Champaign-Urbana area at around 2:47AM today. Details about the cause are currently unknown. This event caused disruptions to systems at the NCSA building, NPCF and ACB. Known issues have generally been resolved but there may be unidentified issues lingering. If you encounter any problems, please notify NCSA help desk staff (help@ncsa.illinois.edu).	Multiple systems/services were impacted. All have been recovered and return to normal operations is complete.	NC SA help desk	RESOLVED
2021-06-29 22:00	2021-06-29 22:00	NCSA 4th Floor Office network	Rebooting one or more of the office switches on the NCSA Building 4th floor to resolve a phone issue.	Office port connectivity will be intermittent during the maintenance window.	Matt Kollross help+neteng@ncsa.illinois.edu	RESOLVED
2021-06-24 0800	2021-06-24 0800	LSST	<ul style="list-style-type: none"> Updates are being applied on Prod/Stable k8s, rebuild of some ingress nodes 	Prod/Stable K8S	lsst-admin@ncsa.illinois.edu	RESOLVED
2021-06-24 0800	2021-06-24 0800	LSST	LSST Quarterly Maintenance <ul style="list-style-type: none"> OS updates on all servers 	All LSST services hosted at NCSA EXCEPT Prod/Stable K8S	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-06-22 0000	2021-06-22 0000	Internet2 WAN link	Internet2 will be migrating NCSA's physical port to their new next generation infrastructure.	During the maintenance, our I2 connection will be down. Traffic will reroute to other connections. Some point to point connections maybe unavailable for period of time. The maintenance window is not expected to take all 4 hours.	Matt Kollross help+neteng@ncsa.illinois.edu	COMPLETE
2021-06-21 1800	2021-06-21 1800	NCSA File & Print Servers	Scheduled Windows Server Maintenance	File & Print Shares were unavailable during maintenance. Users were not able to access shares on Fileserver (e.g. home, busnoff, hr, etc.), and printing was unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2021-06-17 0700	2021-06-17 0700	OpenAFS	The OpenAFS database server kaskaskia was upgraded	No service outages were observed or reported.	help+service@ncsa.illinois.edu	COMPLETE

2021-06-12 2200	20-06-15 00	LSST Firewall	The NPCF secondary firewall was offline due to a hard drive failure.	No impact occurred to production services as the primary firewall stayed online.	Kay Avila	RESOLVED
2021-06-14 1700	20-06-15 09 58	NCSA GitLab	Attempt to fix an authentication bug for a particular user accidentally broke all authentication through the web interface.	Authentication through the web interface did not work.	help+service@ncsa.illinois.edu	RESOLVED
2021-06-11	20-06-11 09 05	NCSA Jira	Jira email problem	Jira is not accepting issues via email, you can still create issue directly via Jira GUI	Cameron Pitcel	RESOLVED
2021-06-10 0700	20-06-10 08 00	cilogon.org	Update to OA4MP v5.1.3.	The OAuth2/OIDC backend of the CILogon Service will be updated to OA4MP v5.1.3.	help@cilogon.org	COMPLETE
09 Jun 2021 1000	09 Jun 21 03 30	Jira.ncsa.illinois.edu	Configuration change to address a vulnerability	There should not be any service interruption, but as with all things, it is possible	help+service@ncsa.illinois.edu	RESOLVED
2021-06-02	20-06-02	Netdot	Netdot web access now requires 2FA via SSL VPN, or Cerberus proxy.	Security requested that Netdot require 2FA, in order to access the web interface. To accommodate that request, the Netdot firewall has limited web access to the VPN subnet or via proxy from the Cerberus jump hosts.	Matt Kollross help+neteng@ncsa.illinois.edu	RESOLVED
2021-05-25	20-05-26	vcenters for ache and ASD	emergency security updates were applied.	the administrative interface was off-line for about 20 minutes as the updates were installed.	help+service@ncsa.illinois.edu	RESOLVED
2021-05-26 1000	20-05-26 10 30	VoIP phones at NPCF	Migrating the VoIP networks to a campus IP to enable future migrations by tech services.	After the networks are migrated, a reboot all phones at the NPCF building will be performed.	Matt Kollross neteng+help@ncsa.illinois.edu	RESOLVED

2021-05-21 1800	2021-05-21 19:00	VoIP phones at the NCSA building	Migrating the VoIP networks to a campus IP to enable future migrations by tech services.	After the networks are migrated, a reboot all phones at the NCSA building will be performed.	Matt Kollross neteng+help@ncsa.illinois.edu	RESOLVED
2021-05-20 05:40	2021-05-20 08:45	LSST	ESXi host outage causing degradation of select services.	Degradation of select services: <ul style="list-style-type: none"> data backbone gateway (lsst-dbb-gw01 down) HTCondor (Central Manager nodes down for Prod & DAC) login (lsst-login01 is down) Also loss of redundancy for some underlying services, including auth/access & k8s head nodes.	lsst-admin@ncsa.illinois.edu	RESOLVED
2021-05-15 0600	2021-05-15 08:00	CILogon hosted services including COmanage Registry, LDAP, SAML proxy, SAML AA, MDQ	Maintenance	All CILogon hosted services were temporarily unavailable.	help@cilogon.org	COMPLETE
2021-05-12 07:00	2021-05-12 08:00	internal.ncsa.illinois.edu	NCSA Internal Web Server Upgrade (aka Savannah or MIS Tools)	Updates were made that will affect the availability of the NCSA internal website and Savannah system. The system was be unavailable during this time.	help+service@ncsa.illinois.edu	COMPLETE
2021-05-11 07:00	2021-05-11 09:00	iForge	Quarterly Maintenance	All systems unavailable	iforge-admin@lists.ncsa.illinois.edu	COMPLETE
2021-05-06 0900	2021-05-06 09:45	WAN Link Migration	NCSA Neteng migrated the WAN link to Internet 2 to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage. Any connections relying on layer-2 connections over AL2S saw a brief blip as the connection is cut over. Affected parties were contacted in advance.	help+neteng@ncsa.illinois.edu	COMPLETE
2021-05-03 0600	2021-05-03 06:30	CILogon Multi-tenant COmanage Registry	Upgrade to version 3.3.2	The service at https://registry.cilogon.org was unavailable	help@cilogon.org	COMPLETE

2021-04-29 16:00	20:00	<ul style="list-style-type: none"> HTCondor Prod HTCondor DAC 	Add new nodes into Condor service pools	<ul style="list-style-type: none"> HTCondor Prod HTCondor DAC 	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-04-21 08:00	20:00	ICCP	ICCP Quarterly Maintenance	The scheduler will be down. All compute nodes will be converted to rhel7.9 with RedHat IB.	iccp-admins@campuscluster.illinois.edu	COMPLETE
2021-04-15 16:00	20:00	NCSA Opensource	Upgrade of OS on all machines related to opensource	jira, wiki, git etc hosted at https://opensource.ncsa.illinois.edu/	koop@illinois.edu	COMPLETE
2021-04-15 12:45	20:45	ICI vmware	<p>Several hosts on the vmware service were experiencing timeouts</p> <ul style="list-style-type: none"> bluewaters bluewaters-test internal its-nagios ldap1 vcenter 	no or intermittent connectivity to these hosts	help+service@ncsa.illinois.edu	RESOLVED Root cause is still being investigated.
2021-04-15 09:00	20:42	CMDB	Applying new certificates and restarting services	CMDB, including web interface, will be down briefly during the update.	ncsagroup+org_itsm@ncsa.illinois.edu	RESOLVED
2021-04-15 09:00	20:20	WAN Link Migration	NCSA Neteng will migrate the WAN link to ESnet to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED
2021-04-14 15:00	20:00	git.ncsa.illinois.edu	Users can no longer access repositories from git clients over HTTPS using their NCSA password.	<p>NCSA passwords can not access repositories with Git clients. Instead use ssh keys over SSH or personal access tokens over HTTPS.</p> <p>We thought this went into effect during git changes on Nov 2, 2020 but discovered it was still working until we made changes to GitLab to fully remove LDAP functionality.</p>	help+service@ncsa.illinois.edu	COMPLETE

2021-04-13 14:15	2001314	git.ncsa.illinois.edu	The GitLab website at git.ncsa.illinois.edu was having issues with authentication. The LDAP server that it uses was timing out.	<ul style="list-style-type: none"> Login to the Git web interface was timing out. Access from git clients continued to work during the outage. 	help+service@ncsa.illinois.edu	RESOLVED
2021-04-13 08:00	20021040830	cilogon.org	Update to OA4MP v5.1.1.	The OAuth2/OIDC backend of the CILogon Service will be updated to OA4MP v5.1.1.	help@cilogon.org	COMPLETE
2021-04-12 18:00	200211200412245	File & Print Servers	Monthly Windows File & Print Server Maintenance	Windows File Shares such as HR, Business Office, Home, etc. and printing in the NCSA & NPCF buildings were unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2021-04-10 06:00	200210406000800	CILogon hosted COManage, Grouper, SATOSA, LDAP	On Saturday, April 10, the CILogon team will perform maintenance on the infrastructure used for hosted services.	As part of the maintenance all COManage Registry, LDAP, Grouper, SAML proxy, SAML attribute authority, and MDQ services hosted by CILogon may experience brief outages. We do not expect that any specific service outage will last for more than a minute.	help@cilogon.org	COMPLETE
2021-04-08 09:00	2002104080900081045	WAN Link Migration	NCSA Neteng migrated the WAN link to ICCN Node-1 to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage. Issues were noticed by users during the outage and are currently being investigated in cooperation with our upstream provider.	help+neteng@ncsa.illinois.edu	COMPLETE
2021-04-08 07:30	2002104080730080734	NCSA Wiki	NCSA's Wiki service was restarted	NCSA's Wiki service was restarted to apply a new SSL certificate and renewed Confluence license. The wiki was not available for 4 minutes while it reloaded.	help+service@ncsa.illinois.edu	COMPLETE
2021-04-07 16:10	200210407161004071733	Internal Savannah /MIS website	The Savannah/MIS website would not load due to a corrupted MySQL database table referenced across all of the Savannah tools.	Internal/Savannah	help+service@ncsa.illinois.edu	RESOLVED

1st report 7:30am Monday	8:19am Monday	NCSA LDAP2	ldap2 is not responsive to authentication requests	NCSA Jira, any systems using LDAP2 as its only source.	help+service@ncsa.illinois.edu	RESOLVED
2021-03-30 0800	2:02:10-3:30	DNS1	A software issue was causing BIND to fail.	DNS was not able to resolve during the period of time. DNS2 remained operational.	neteng+help@ncsa.illinois.edu	RESOLVED
2021-03-23 2000	2:02:10-3:23	NCSA VPN	The standby VPN hardware was replaced and transitioned into the current VPN cluster. Failover went as expected and firmware was upgraded on the primary after load was shifted to the new standby VPN.	Failover between the appliances occurred without issue and there was no impact to users.	neteng@ncsa.illinois.edu	RESOLVED
2021-03-18 1230	1:25:55	Jira	Some functionality will be limited due to user limit being reached	Jira	help@service@ncsa.illinois.edu	RESOLVED
~16:40	1:07:58	AnyConnect VPN Service	An issue with SSL on the VPN service has caused an issue that has disconnected all users. Network engineering is looking into the issue. Due to a hardware failure and the VPN not failing over properly to the standby users were unable to connect to the VPN. This was due to an issue with syncing certificates.	During the outage, expect that you won't be able to connect /maintain a connection to the VPN	help+neteng@ncsa.illinois.edu	RESOLVED
2021-03-16 0950	2:02:10-3:16:00	CMDB	Will be applying updates per security vetting	CMDB, including web interface, will be down briefly during the update.	ncsagroup+org_itsm@ncsa.illinois.edu	RESOLVED
2021-03-11 0900	2:02:10-3:11:09:30	WAN Link Migration	NCSA Neteng migrated the link to ICCN to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED

2021-03-04 09:00	2021-03-04 09:05	WAN Link Migration	NCSA Neteng migrated the 100G link to MREN to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED
2021-03-01 22:11	2021-03-01 22:47	NCSA vSphere	About 40 VMs lost connection to their NFS storage.	Several VM-based services were timing out during the issue, including: vSphere management, a kerberos replica, a ldap replica, httpproxy, license servers, NCSA fileserver, Identity message queuing, monitoring. That triggered some of those VMs to switch to use read-only disk, needing to be rebooted later.	service@ncsa.illinois.edu	RESOLVED

2021-03-04 00:00	2021-03-04 00:00	HTCondor Prod	Add new nodes into Condor service pools	<ul style="list-style-type: none"> HTCondor Prod HTCondor DAC 	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-03-04 08:00	2021-03-04 08:00	ICCP	ICCP Quarterly Maintenance	The scheduler will be down. All compute nodes will be converted to rhel7.9 with RedHat IB.	iccp-admins@campuscluster.illinois.edu	COMPLETE
2021-03-04 15:00	2021-03-04 15:00	NCSA Opensource	Upgrade of OS on all machines related to opensource	jira, wiki, git etc hosted at https://opensource.ncsa.illinois.edu/	kopper@illinois.edu	COMPLETE
2021-03-04 15:01	2021-03-04 15:45	ICI vmware	Several hosts on the vmware service were experiencing timeouts <ul style="list-style-type: none"> bluewaters bluewaters-test internal its-nagios ldap1 vcenter 	no or intermittent connectivity to these hosts	help+service@ncsa.illinois.edu	RESOLVED Root cause is still being investigated.

2021-04-15 00:00	2021-04-15 00:42	CMDB	Applying new certificates and restarting services	CMDB, including web interface, will be down briefly during the update.	ncsaagroup+org_it_sm@ncsa.illinois.edu	RESOLVED
2021-04-15 00:00	2021-04-15 00:20	WAN Link Migration	NCSA Neteng will migrated the WAN link to ESnet to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED
2021-04-15 00:00	2021-04-15 05:00	git.ncsa.illinois.edu	Users can no longer access repositories from git clients over HTTPS using their NCSA password.	NCSA passwords can not access repositories with Git clients. Instead use ssh keys over SSH or personal access tokens over HTTPS. We thought this went into effect during git changes on Nov 2, 2020 but discovered it was still working until we made changes to GitLab to fully remove LDAP functionality.	help+service@ncsa.illinois.edu	COMPLETE
2021-04-15 00:00	2021-04-15 04:45	git.ncsa.illinois.edu	The GitLab website at git.ncsa.illinois.edu was having issues with authentication. The LDAP server that it uses was timing out.	<ul style="list-style-type: none"> Login to the Git web interface was timing out. Access from git clients continued to work during the outage. 	help+service@ncsa.illinois.edu	RESOLVED
2021-04-15 00:00	2021-04-15 08:30	cilogon.org	Update to OA4MP v5.1.1.	The OAuth2/OIDC backend of the CILogon Service will be updated to OA4MP v5.1.1.	help@cilogon.org	COMPLETE
2021-04-15 00:00	2021-04-15 08:45	File & Print Servers	Monthly Windows File & Print Server Maintenance	Windows File Shares such as HR, Business Office, Home, etc. and printing in the NCSA & NPCF buildings were unavailable.	help+service@ncsa.illinois.edu	COMPLETE
2021-04-10 00:00	2021-04-10 06:00	CILogon hosted CManage, Groupware, SATOSA, LDAP	On Saturday, April 10, the CILogon team will perform maintenance on the infrastructure used for hosted services.	As part of the maintenance all CManage Registry, LDAP, Groupware, SAML proxy, SAML attribute authority, and MDQ services hosted by CILogon may experience brief outages. We do not expect that any specific service outage will last for more than a minute.	help@cilogon.org	COMPLETE
2021-04-10 00:00	2021-04-10 08:45	WAN Link Migration	NCSA Neteng migrated the WAN link to ICCN Node-1 to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage. Issues were noticed by users during the outage and are currently being investigated in cooperation with our upstream provider.	help+neteng@ncsa.illinois.edu	COMPLETE

2021-04-08 00:34	NCSA Wiki	NCSA's Wiki service was restarted	NCSA's Wiki service was restarted to apply a new SSL certificate and renewed Confluence license. The wiki was not available for 4 minutes while it reloaded.	help+service@ncsa.illinois.edu	COMPLETE
2021-04-07 16:10	Internal Savannah/MIS website	The Savannah/MIS website would not load due to a corrupted MySQL database table referenced across all of the Savannah tools.	Internal/Savannah	help+service@ncsa.illinois.edu	RESOLVED
1st report 07:30 am Monday	NCSA LDAP2	ldap2 is not responsive to authentication requests	NCSA Jira, any systems using LDAP2 as its only source.	help+service@ncsa.illinois.edu	RESOLVED
2021-04-08 00:45	DNS1	A software issue was causing BIND to fail.	DNS was not able to resolve during the period of time. DNS2 remained operational.	neteng+help@ncsa.illinois.edu	RESOLVED
2021-04-23 22:00	NCSA VPN	The standby VPN hardware was replaced and transitioned into the current VPN cluster. Failover went as expected and firmware was upgraded on the primary after load was shifted to the new standby VPN.	Failover between the appliances occurred without issue and there was no impact to users.	neteng@ncsa.illinois.edu	RESOLVED
2021-04-22 11:08:30	Jira	Some functionality will be limited due to user limit being reached	Jira	help@service@ncsa.illinois.edu	RESOLVED
~16:40	AnyConnect VPN Service	An issue with SSL on the VPN service has caused an issue that has disconnected all users. Network engineering is looking into the issue. Due to a hardware failure and the VPN not failing over properly to the standby users were unable to connect to the VPN. This was due to an issue with syncing certificates.	During the outage, expect that you won't be able to connect/maintain a connection to the VPN	help+neteng@ncsa.illinois.edu	RESOLVED
2021-04-16 09:50	CMDB	Will be applying updates per security vetting	CMDB, including web interface, will be down briefly during the update.	ncsagroup+org_it_sm@ncsa.illinois.edu	RESOLVED

2021-03-11 00:00	2021-03-11 00:30	WAN Link Migration	NCSA Neteng migrated the link to ICCN to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED
2021-03-04 00:00	2021-03-04 00:05	WAN Link Migration	NCSA Neteng migrated the 100G link to MREN to new hardware.	Traffic was automatically re-routed to redundant paths during the link outage.	help+neteng@ncsa.illinois.edu	RESOLVED
2021-03-01 2:11	2021-03-01 2:47	NCSA vSphere	About 40 VMs lost connection to their NFS storage.	Several VM-based services were timing out during the issue, including: vSphere management, a kerberos replica, a ldap replica, httpproxy, license servers, NCSA fileserver, Identity message queuing, monitoring. That triggered some of those VMs to switch to use read-only disk, needing to be rebooted later.	service@ncsa.illinois.edu	RESOLVED
2021-03-25 08:00	2021-03-25 00:00	LSST	LSST Quarterly Maintenance <ul style="list-style-type: none"> GPFS appliance UPS battery replacements (requires GPFS downtime) OS updates Kubernetes update from 1.17 to 1.18 	All LSST services hosted at NCSA	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-03-00 00:15	2021-03-00 00:15	WAN Link Migration	NCSA Neteng migrated the 100G link to CARNE to new hardware.	The link to campus through the CARNE router was migrated to new hardware. Traffic was automatically re-routed to redundant paths during each link outage.	help+neteng@ncsa.illinois.edu	COMPLETE
2021-03-08 2:30 pm	2021-03-08 2:06 pm	vsphere.ncsa.illinois.edu	logins were broken due to a cert caching issue on vsphere.	login to the administrative interface is available	service@ncsa.illinois.edu	COMPLETE
2021-03-08 2:30 pm	2021-03-08 2:03 pm	ldap	The certs on several ldap servers were set to expire tomorrow and next week, they were refreshed.	ldap server certs were refreshed prior to their expirations.	help+service@ncsa.illinois.edu	COMPLETE
2021-03-07 00:00 a.m.	2021-03-07 00:00 a.m.	Netdot maint	patching	Netdot may be unavailable during this time.	help+neteng@ncsa.illinois.edu	COMPLETE

2022-01-06 00:00	cilogon.org	Update to OA4MP v5.1 had problems.	Several clients reported issues with OA4MP 5.1, so we reverted to OA4MP 4.4.5 at noon.	help@cilogon.org	CANCELED
2022-01-05 00:00	File & Print Servers	Monthly Windows File & Print Server Maintenance	Windows File Shares such as HR, Business Office, Home, etc. and printing in the NCSA & NPCF buildings will be unavailable.	helpservice@ncsa.illinois.edu	COMPLETE
2022-01-01 00:00	ICCP - MWT2	"OmniPoP is doing maintenance for their hardware refresh on February 11 (600 W Chicago) between midnight and 4 a.m.CST. This will mean that the CARNE 100G OmniPoP connection will go down for a time during the Feb 11 window. Most of the traffic that would take this link will reroute to using other links. The only ICCP user that may be impacted is MWT2 because their primary path to UChicago is over this circuit. However, we do have a backup UChicago peering over the CARNE Internet2 100G circuit, so that path will be taken assuming that UChicago's backup path doesn't go through the 6WC OmniPoP switch. The tertiary path to UChicago would be through the ESnet LHCONE peering which goes over the CARNE I2 AL2S 100G. MWT2 shouldn't need to do anything on their side to prepare for this work."	All traffic should reroute during this maintenance, but MWT2 may experience brief connectivity issues to UChicago	neteng@ncsa.illinois.edu	COMPLETE
2022-01-02 09:00	iforgeft p1	public interface is down	S3 connection	iforgeadmin@lists.ncsa.illinois.edu	COMPLETE
2022-01-02 09:00	iForge cluster	Quarterly Maintenance	All systems unavailable	iforgeadmin@lists.ncsa.illinois.edu	COMPLETE
2022-01-01 28:00 am	Radiant	Security updates and API endpoint hardening	The web interface to Radiant and the API interfaces will be unavailable during the maintenance period.	radiant-admin@lists.ncsa.illinois.edu	COMPLETE
2022-01-01 27:00 am	Open Storage Network POD	Updating Ceph to containerized implementation	See Previous Column	bdiackin2@illinois.edu	COMPLETE
2022-01-01 25:00	NCSA LDAP	Users with /bin/csh had their shells changed to /bin/bash	Users logging into systems that don't override the /bin/csh data already will find they are using /bin/bash when they login.	helpservice@ncsa.illinois.edu	COMPLETE

2021-10-06 11:45:05	administrative interface to vsphere.ncsa.illinois.edu	administrative interface to vsphere.ncsa.illinois.edu was upgraded to current patch level	Administrative interfaces to vm's were unavailable for about 20 minutes.	help+service@ncsa.illinois.edu	COMPLETE
2021-10-08 00:00	ICCP	ICCP Quarterly Maintenance <ul style="list-style-type: none"> Replacing IB cards on 134 nodes (EDR to HDR) Installing additional PDU in POD19 Rack5 Redistributing power from WallPanel C3A3 New image with GPFS 5.1.0.1 Clean up IB cables from POD19 Rack[1,2 & 3] 	Cluster-wide outage	help@campuscluster.illinois.edu	COMPLETE
2021-10-08 07:00	JIRA	JIRA Upgrade to 8.13.2	All JIRA users	help+its@ncsa.illinois.edu	COMPLETE
2021-10-09 14:10	Slack	Slack service issues	All Slack systems	https://status.slack.com/	OUTAGE
2021-10-01 08:00	File & Print Servers	Monthly Windows File & Print Server Maintenance	Windows File Shares such as HR, Business Office, Home, etc. and printing in the NCSA & NPCF buildings were unavailable.	help+its@ncsa.illinois.edu	COMPLETE
2021-10-18	NCSA LDAP	New user accounts will have their shell in ldap set to /bin/bash	New users will have /bin/bash as their default shell	help+service@ncsa.illinois.edu	COMPLETE
2021-10-08 00:00	LSST	LSST Quarterly Maintenance <ul style="list-style-type: none"> Firmware/OS updates Kubernetes/Docker updates GPFS SSD firmware updates 	All LSST services hosted at NCSA	lsst-admin@ncsa.illinois.edu	COMPLETE
2021-10-08 00:00	HAL	HAL Quarterly Maintenance	HAL cluster	help+isl@ncsa.illinois.edu	COMPLETED

2020-01-11 04:30	Blue Waters compute	Boot RAID lost fiber channel connection for reasons not understood	Full system outage	jenos@illinois.edu	COMPLETED
2020-01-11 19:03:00 a.m.	DNS1 Migration	Neteng will be migrating DNS1 to a new switch.	We need to physical move the cable to DNS1 which will cause momentary outage for dns queries to DNS1. DNS2 will not be affected by the migration.	help+neteng@ncsa.illinois.edu	COMPLETED
2020-01-18 00:01:00	UPS battery Monitor	Program and configure the new BMS	All UPS connected loads	rantiss@illinois.edu	COMPLETED
2020-01-16 08:13:00	NCSA File & Print Servers	File & Print servers were offline for scheduled maintenance. Windows File Shares and printing were unavailable.	Windows File Shares such as HR, Business Office, Home, etc. and printing in the NCSA & NPCF buildings were unavailable.	help+its@ncsa.illinois.edu	COMPLETED
2020-01-14 03:45:04	NCSA Wiki & Jira	NCSA's Wiki & Jira servers were restarted.	Wiki & Jira were offline while their servers reboot.	help+its@ncsa.illinois.edu	COMPLETED
2020-01-13 02:00:00	Software Directorate VM Farm	Failing power supply of switch will be replaced, will use this to upgrade OS as well.	NCSA OpenSource, INCORE, etc (all machines running on 141.142.277.X).	kopper@illinois.edu	COMPLETED
2020-01-11 09:55:15	cilogon.org	Update to OA4MP v5.0.2 was unsuccessful.	CILogon Service has been reverted to OA4MP 4.4.5.	help@cilogon.org	DELAYED
2020-01-10 07:00:00	iForge cluster	Quarterly Maintenance Switching to GPFS 5 formatted filesystem.	All iForge nodes.	iforge-admin@ncsa.illinois.edu	COMPLETE

2020-01-15 00:00	2020-01-15 00:24	NPCF enterprise UPS	UPS maintenance, replace defective communication cards	Any rack (system) that is UPS powered	rantissi@illinois.edu	COMPLETE
2020-01-14 00:00	2020-01-14 00:00	NCSA Building Router (2 of 2)	Software Updates	Software Updates will be applied to one of the NCSA building routers. Traffic will fall back to the seconds router. No network traffic should be affected.	help+neteng@ncsa.illinois.edu	COMPLETED
2020-01-12 00:00	2020-01-12 00:20	NCSA GitLab git. ncsa.illinois.edu	LDAP authentication was disabled for NCSA GitLab. Users of the GitLab web interface are required to authenticate to NCSA through CILogon.	NCSA passwords can no longer access repositories. Use GitLab personal access tokens to authenticate against Git over HTTPS.	help+its@ncsa.illinois.edu	COMPLETED
2020-01-12 00:00	2020-01-12 00:05	NCSA Duo	The icon shown in the Duo app for NCSA will be updated to match the icon used in NCSA Slack.	NCSA Duo App pushes will show updated icon to match NCSA Slack. May need to restart phone/app to see updated icon.	help+duo@ncsa.illinois.edu	COMPLETED
2020-01-13 00:00	2020-01-13 00:45	SVN at subversion.ncsa.illinois.edu	Retired SVN Service at subversion.ncsa.illinois.edu	SVN is no longer be available. NCSA users are recommended to use one of our various Git repository options .	help+its@ncsa.illinois.edu	COMPLETED
2020-01-29 00:00	2020-01-29 01:15	iForge	maintenance to switch to GPFS version 5.	All nodes.	iforge-admin@ncsa.illinois.edu	COMPLETED
2020-01-28 00:00	2020-01-28 00:00	NCSA Building Router (1 of 2)	Software Updates	Software Updates will be applied to one of the NCSA building routers. Traffic will fall back to the seconds router. No network traffic should be affected.	help+neteng@ncsa.illinois.edu	COMPLETED
2020-01-27 00:00	2020-01-27 02:10	NCSA VPN	Firmware Updates	Firmware updates were applied to the NCSA VPN. Any AnyConnect VPN sessions were reset during the maintenance and users may need to reconnect. Any IPSEC sessions failed over to the standby unit and were not affected.	help+neteng@ncsa.illinois.edu	COMPLETED

2020-01-09 00:15	idp.ncsa.illinois.edu crl.ncsa.illinois.edu	<ol style="list-style-type: none"> 1. Upgrade Shibboleth IdP software from v3.4.7 to v4.0.1. 2. Move IdP software from VM to Docker container. 3. Change DNS entry for idp.ncsa.illinois.edu and crl.ncsa.illinois.edu to point to new Docker server. 	The DNS CNAME entries for idp.ncsa.illinois.edu and crl.ncsa.illinois.edu will be changed from cilogon-web.ncsa.illinois.edu to shib-docker.security.ncsa.illinois.edu (141.142.149.33). NCSA Shib IdP v4.0.1 is currently up and running at 141.142.149.33 .	help@ncsa.illinois.edu	COMPLETED
2020-01-09 01:11 pm	security.ncsa.illinois.edu and grid.ncsa.illinois.edu	Cert replacement issue	Sites were down	cpitcel	RESOLVED
2020-01-09 00:00	WAN Link Migration	<p>ICCN Engineers will be migrating NCSA's 100G WAN links over to new optical cards.</p> <p>Below is the timetable for the moves:</p> <p>10:00am CARNE (Node 1) to I2 (710 N Lakeshore Dr)</p> <p>10:30am NCSA (Node 2) to MREN (710 N Lakeshore Dr)</p> <p>11:30am CARNE (Node 2) to OmniPop (600 West Chicago)</p> <p>12:00pm NCSA (Node 1) to I2 (600 West Chicago)</p> <p>12:15pm NCSA (Node 1) to ESNet (600 West Chicago)</p>	<p>Individual links will be migrated one at a time, each taking roughly 15-20 minutes to complete, leaving redundant paths operational. Traffic will automatically be re-routed to these redundant paths during each link outage.</p> <p>There are exceptions where certain services won't failover in this way. In these cases, individual notifications have been sent out to affected parties.</p>	help@neteng@ncsa.illinois.edu	COMPLETED
2020-01-09 00:00	CILogon	Update to OA4MP v5.0 OAuth2/OIDC Libraries encountered issue with Syngenta IdP. Reverted to OA4MP v4.4.5. Will be addressed in future OA4MP update.	https://cilogon.org	help@cilogon.org	DELAYED
2020-01-09 00:06	CILogon COManage Registry at https://registry.cilogon.org	Service stack restart.	COManage Registry and LDAP directory for the multi-tenant services.	help@cilogon.org	COMPLETED
2020-01-09 00:18	NCSA File & Print Servers	Monthly Maintenance for Updates / Backup Checks	File & Print Servers were unavailable. Printing was offline, and fileservers shares were unavailable.	help@its@ncsa.illinois.edu	COMPLETED
2020-01-09 00:15	NCSA VPN	The certificate for sslvpn.ncsa.illinois.edu was updated.	The SSL certificate has been updated.	neteng@ncsa.illinois.edu	COMPLETED
2020-01-09 01:21:00	Nebula	Network card failed in network node, was replaced and network settings reconfigured	All non-virtual networking services for Nebula instances (north/south traffic)	nebul@ncsa.illinois.edu	COMPLETED

2020-09-23 19:00	2020-09-24 01:30	LSST	<p>Monthly Maintenance:</p> <ul style="list-style-type: none"> GPFS version upgrade from 4.x to 5.x Routine system OS and firmware updates 	ALL LSST systems	lsst-admin@ncsa.illinois.edu	COMPLETED
2020-09-22 00:00	2020-09-22 00:00	CILogon multi-tenant CManage Registry	Upgrade to version 3.3.0	CManage Registry service at https://registry.cilogon.org	help@cilogon.org	COMPLETED
2020-09-14 00:00	2020-09-15 02:30	NCSA File & Print Servers	Windows file and print servers were patched and unavailable during maintenance.	Access to Fileserver (Business Office, HR, Home, and Swap shared drives) was unavailable, printing was unavailable.	help+its@ncsa.illinois.edu	COMPLETED
2020-09-08 00:00	2020-09-08 09:00	CILogon	Update CILogon OIDC Client Admin API	https://cilogon.org	help@cilogon.org	COMPLETED
2020-09-02 00:00	2020-09-02 01:06	Core-East	Software Upgrades	No user impact expected	help+neteng@ncsa.illinois.edu	COMPLETED
2020-09-01 00:00	2020-09-01 00:00	ldaps://ldap.cilogon.org	Restart of LDAP gateway service containers.	All LDAP services operated by CILogon.	help@cilogon.org	COMPLETED

Start	End	What System /Service was affected?	What happened?	What was affected?	Contact Person	Status
2020-08-28 14:25	2020-08-28 17:25	NCSA Email from Campus Exchange	<p>Campus Exchange could not deliver email addressed to "@ncsa.illinois.edu" addresses. A user requested a change to Exchange that broke delivery to NCSA.</p> <p>Any email you sent to "@ncsa.illinois.edu" addresses from campus Exchange will need to be resent by you.</p>	<p>Campus Exchange could not deliver email addressed to "@ncsa.illinois.edu" addresses.</p> <p>The change in Exchange was reverted around 1655, but it may take a bit of time for Office365 to update all of its servers.</p>	help+its@ncsa.illinois.edu	RESOLVED
2020-08-28 08:00	2020-08-28 10:00	NPCF Networking DC Power System	Testing and maintenance of the DC power system and battery backup was performed.	No outage.	help+neteng@ncsa.illinois.edu	COMPLETED

20-08-26 08:00	20-08-26 12:00	Core-West	Replacing failed internal board. Software upgrades	No user impact expected.	help+neterng@ncsa.illinois.edu	COMPLETED
20-08-17 08:00	20-08-22 19:00	Code42 Crashplan Endpoint	One of the primary Code42 Crashplan Endpoints crashed and was not accepting backup requests	Code42 Crashplan clients that were assigned to backup to this server were unable to run backups.	crashplan@ncsa.illinois.edu	RESOLVED
20-08-18 06:00	20-08-08 06:20	NCSA VPN Service	Software upgrade was completed successfully.	All IPSEC sessions failed over successfully to the standby. Any users connected to the AnyConnect VPN were briefly disconnected and need to reconnect. An upgrade of the AnyConnect client was included with this upgrade and users will receive the upgrade when they reconnect to the VPN.	help+neterng@ncsa.illinois.edu	COMPLETED
20-08-18 06:00	20-08-18 06:15	registry.cilogon.org	CILogonPerson LDAP schema plugin was removed.	The CManage Registry service.	help@cilogon.org	COMPLETED
20-08-11 07:00	20-08-11 18:30	iForge	Quarterly Maintenance	All systems will be unavailable during the maintenance	iforge-admin@ncsa.illinois.edu	COMPLETED
20-08-04 08:00	20-08-04 08:30	CILogon	https://go.ncsa.illinois.edu/CILogonServiceUpdate2020-08-04	Remove <whitelisted> tag from idplist.xml file. Add "?initialidp=..." query parameter.	help@cilogon.org	COMPLETED
20-08-03 18:00	20-08-03 23:00	Fileserver & Printing	Monthly Windows Server Maintenance	NCSA Fileserver(s) and NCSA-Print were unavailable during the maintenance. Business Office, HR, home, swap, etc. shares were unavailable. Printing was unavailable.	help+its@ncsa.illinois.edu	COMPLETED
20-07-28 06:00	20-07-28 06:05	registry.cilogon.org	OA4MP plugin for creating/managing OIDC clients was updated	The CManage Registry service was unavailable during the outage.	skoranda@illinois.edu	COMPLETED
20-07-24 07:00	20-07-24 07:07	NCSA Wiki	Applied some minor configuration adjustments	Pages were unavailable for 5 minutes as the service restarted.	help+its@ncsa.illinois.edu	COMPLETED
20-07-22 08:00	20-07-22 08:23	git.ncsa.illinois.edu	GitLab was upgraded to the latest version	The git service was intermittently unavailable during this upgrade window.	help+its@ncsa.illinois.edu	COMPLETED

20-07-18 05:00	20-07-18 06:00	NCSA WAN connectivity over Internet2 and ESnet links.	Emergency network maintenance performed by ICCN (our WAN provider)	Instability on WAN connectivity to Industry partners and research institutions using internet2 service provider network to connect to NCSA. General network connectivity will re-route accordingly.	help+nets@ncsa.illinois.edu	COMPLETED
20-07-16 07:00	20-07-16 08:00	Core-West	A service alarm on Core-West switch requires a reset of an internal controller board.	Traffic will be failed over to Core-East while performing the maint. No impact expected.	help+nets@ncsa.illinois.edu	COMPLETED
20-07-15 14:00	20-07-15 17:30	Storage Condo	Perc Raid card failure in core server	Condo Services/GridFTP/NFS	ckerner@illinois.edu	COMPLETED
20-07-18 00:00	20-07-18 21:30	Fileserver & Printing	Monthly Windows Server Maintenance	NCSA Fileserver(s) and NCSA-Print were unavailable during the maintenance. Business Office, HR, home, swap, etc. shares were unavailable. Printing was unavailable.	help+its@ncsa.illinois.edu	COMPLETED
20-07-07 08:00	20-07-07 09:00	CILogon	Update Admin Client API	https://cilogon.org . No downtime is expected.	help@cilogon.org	COMPLETED
20-06-24 19:00	20-06-25 13:00	LSST	Monthly Maintenance: <ul style="list-style-type: none"> OS updates and reboots Other updates as needed Firmware on GPFS appliance (fix network issues) 	ALL LSST systems	lsst-admin@ncsa.illinois.edu	COMPLETE
20-06-17 06:00	20-06-17 16:00	Blue Waters scratch filesystem	Disk failure during OST failover, both OSTs unavailable 14 drives offline, reassembly required	Some filesystem operations.	Jeremy Enos	COMPLETED
20-06-15 08:00	20-06-15 11:50	Software Directorate VM Farm	Upgrade of servers, including vm servers <ul style="list-style-type: none"> NCSA Open Source INCORE classtranscribe ... 	During this time all servers will be down, servers will be returned ASAP	Rob Kooper	COMPLETED

20-06-10 09:00	20-06-12 21:00	hal.ncsa.illinois.edu	Quarterly PM	HAL System Service	dmu@illinois.edu	COMPLETE
20-06-08 18:00	20-06-09 07:00	Fileserver & Printing	Monthly Windows Server Maintenance	NCSA Fileserver(s) and NCSA-Print will be unavailable during the maintenance. Business Office, HR, home, swap, etc. shares will be unavailable. Printing will be unavailable.	help+its@ncsa.illinois.edu	COMPLETE
20-06-04 09:30	20-06-04 14:46	vsphere.ncsa.illinois.edu	Updated vCenter SSL certificate and trust chain	Management of VM's was unavailable while updating SSL certificates	help+its@ncsa.illinois.edu	RESOLVED
20-06-05 30 08:00	20-06-01 12:00	linux.ncsa.illinois.edu public-linux.ncsa.illinois.edu	SSH password-based authentication were failing due to changes with intermediate certificates	SSH password-based authentication broke. Kerberos based auth continued to work.	help+its@ncsa.illinois.edu	RESOLVED
20-05-28 07:00	20-05-29 09:00	NCSA Virtual Classroom	Nodes were added, network reconfigured, and updates were applied.	Student VM's were be unavailable	help+its@ncsa.illinois.edu	COMPLETE
20-05-22 07:57	20-05-22 14:00	Blue Waters Compute	Mistaken cabinet removed from configuration causing unroutable configuration for HSN	All compute, all running jobs	Jeremy Enos	COMPLETE
20-05-20 10:00	20-05-20 14:00	DNS1/2	Upgrades	DNS servers will be rebooted during this time.	help+neteng@ncsa.illinois.edu	COMPLETE
20-05-14 06:00	20-05-14 08:00	NCSA Wiki	Upgrade	Wiki pages will be unavailable	swright@illinois.edu	COMPLETE
20-05-19 09:30	20-05-19 10:40	netact.ncsa.illinois.edu	Fixing a problem with apache	netact is down.	help+neteng@ncsa.illinois.edu	COMPLETE
20-05-12 07:00	20-05-12 17:00	iForge	Quarterly Maintenance	All systems will be unavailable during the maintenance	iforge-admin@ncsa.illinois.edu	COMPLETE

20-05-04 18:00	20-05-04 22:30	NCSA Fileservers & Print Servers	Monthly ITS Windows Server Maintenance	Fileserver Shares (HR, Business Office, Home, Swap, etc.) and shared printers on NCSA-Print	help+its@ncsa.illinois.edu	COMPLETE
20-04-30 11:00	20-04-30 11:00	Systems connection to idds-prod	ITS will be updating firewall settings for idds-prod.	No impact is expected, but users should contact help+idds if issues occur.	help+idds@ncsa.illinois.edu	COMPLETE
20-04-22 8:00	20-04-22 9:00	CILogon	https://go.ncsa.illinois.edu/CILogonServiceUpdate2020-04-22	CILogon will relax name and email attribute requirement for IdPs.	help@cilogon.org	COMPLETE
20-04-21 6:00	20-04-21 6:05	CILogon	AWS CILogon COnmanage update	HTTP (80/443) and LDAP (389/636) ports will be unavailable	help@cilogon.org	COMPLETE
20-04-15 9:25	20-04-15 10:01	Campus Cluster user portal	Login access via UIUC Shibboleth was not working, while Shibboleth configurations were updated in support of new Shibboleth version	Login access via UIUC Shibboleth was not working.	help+its@ncsa.illinois.edu	COMPLETE
20-04-14 11:08	20-04-14 11:38	vsphere.ncsa.illinois.edu	Vcenter was upgraded.	Management of VM's was unavailable for 30 minutes.	help+its@ncsa.illinois.edu	COMPLETE
20-04-14 10:00	20-04-14 12:00	CILogon	https://go.ncsa.illinois.edu/CILogonServiceUpdate2020-04-14DELAYED	An incompatibility in the OIDC "getcert" endpoint was discovered. The update has been delayed.	help@cilogon.org	COMPLETE
20-04-13 13:55		RSA Authentication Manager and SecurID	RSA Authentication Manager service was turned off.	Authentication using NCSA RSA tokens is no longer supported. If you are using RSA with other organizations it should continue to work.	otp@ncsa.illinois.edu	COMPLETE
20-04-13 09:00	20-04-13 00:930	All Globus Services currently using RSA authentication	RSA authentication will be changed to DUO authentication	All Globus Services currently using RSA authentication	help+globus@ncsa.illinois.edu	COMPLETE
20-04-07 10:00	20-04-07 13:00	Cerberus Bastions, BWBH Bastions	These systems will be migrated from using RSA to DUO for their second factor.	SSH logins on the hosts: cerberus{1,2}..ncsa.illinois.edu bwbh{1,2}..ncsa.illinois.edu	help+security@ncsa.illinois.edu	COMPLETE

20-04-01 18:00	20-04-01 22:00	Windows Server Maintenance	NCSA Windows File & Print Servers were unavailable. Users were not be able to access data on fileserver, or print to any printers in the building while maintenance was completed.	NCSA File & Print Servers	help+its@ncsa.illinois.edu	COMPLETE
20-04-01 9:02		RSA SecurID self-service portal, https://otp.ncsa.illinois.edu/	Portal was turned off.	If you need to change your PIN on activate a new phone you won't be able to.	otp@ncsa.illinois.edu	COMPLETE

Start	End	What System /Service was affected?	What happened?	What was affected?	Contact Person	Status
2020-03-29 12:02	2020-03-29 18:41	Blue Waters compute service	High speed network out of service	All compute service, running jobs lost.	Jeremy Enos	RESOLVED
2020-03-19 10:00 am	2020-03-19 10:20 am	NAPS Application	NAPS upgrade complete	A set of planned changes including new features and improvements to existing ones were deployed to production.	Kimber Blum (kimber7@illinois.edu) or help+ids@ncsa.illinois.edu, Alina Banerjee (alinab@illinois.edu)	COMPLETE
2020-3-16 8AM	2020-3-16 4PM	Blue Waters compute	HSN issue	Compute was rebooted	Brett Bode	COMPLETE
2020-03-16 10:00 am	2020-03-16 01:00 pm	Main UPS/Critical Power	UPS annual maintenance	All production areas (no intended power interruptions, just loss of UPS functionality during the work)	rantissi@	COMPLETE
2020-03-11 15:00	2020-03-11 17:00	netact	Upgrades	Netact will be down for system updates	help+neteng@ncsa.illinois.edu	COMPLETE
2020-03-09 19:08	2020-03-10 02:00	VMware vSphere infrastructure for BW, iForge, ICC	vSphere data store failed	The NPCF data store failed. Optional NFS datastores are available to rebuild VMs. VMs used by Industry, ICC and BW needed to be recovered and rebuilt.	help+its@ncsa.illinois.edu	RESOLVED
2020-03-10 10:00	2020-03-10 11:00	CILogon, NCSA IdP, XSEDE IdP	Apache HTTPD SSL configuration change to require TLSv1.2 .	https://connections.to/cilogon.org , de-mo.cilogon.org , ecp.cilogon.org , idp.ncsa.illinois.edu , and idp.xsede.org will use TLSv1.2 exclusively. Older clients may be impacted.	help@cilogon.org , help+idp@ncsa.illinois.edu	COMPLETE
2020-03-05 06:00	2020-03-05 06:55	NCSA VPN Service	Software Upgrades	All IPSEC sessions were seamlessly failed over. Any users connected to the AnyConnect VPN were disconnected and need to reconnect.	help+neteng@ncsa.illinois.edu	RESOLVED
2020-03-04 11:14	2020-03-04 11:21	NCSA Wiki	A virtual CPU became disabled and triggered a reboot	wiki.ncsa.illinois.edu was unavailable while it rebooted.	help+its@ncsa.illinois.edu	RESOLVED
2020-03-03 17:00	2020-03-03 19:00	DNS1/DNS2	OS patching	Both DNS servers will be patched and rebooted. There may be some delays in DNS resolution during that time frame.	help+neteng@ncsa.illinois.edu	COMPLETE
2020-03-03 11:00	2020-03-03 12:00	NCSA-Print / Printing	Some users are experiencing issues with printing	Printing	help+its@ncsa.illinois.edu	RESOLVED
2020-03-03 11:00	2020-03-03 11:03	public-linux upgrade	The public-linux server was upgraded.	public-linux.ncsa.illinois.edu hostname now redirects to the new linux.ncsa.illinois.edu replacement server.	help+its@ncsa.illinois.edu	COMPLETE
2020-03-02 17:00	2020-03-02 22:30	Windows Server Maintenance	Windows Servers such as Fileservers and Print Servers were upgraded /patched.	NCSA Windows File & Print Servers were unavailable. Users were not be able to access data on fileserver, or print to any printers in the building until maintenance was completed.	help+its@ncsa.illinois.edu	COMPLETE
2020-02-27 08:00	2020-02-27 12:00	LSST	Monthly Maintenance: <ul style="list-style-type: none">OS updates and rebootsOther updates as needednote: Slurm compute nodes will be updated through rolling reboots beginning on 2020-02-28	ALL LSST systems will be updated, including: <ul style="list-style-type: none">TBD	lsst-admin@ncsa.illinois.edu	COMPLETE
2020-02-17 07:00 am	2020-02-18 05:00 pm	Select clowder systems, users have been notified	Migration from NCSA to AWS	Select clowder systems	koop@illinois.edu	COMPLETE
2020-02-18 06:00	2020-02-18 06:30	CILogon COnanage Registry	CILogon COnanage Registry AWS infrastructure update	https://registry.cilogon.org ports 80 and 443 will be unavailable for approx. 5 minutes. LDAP ports 389 and 636 will not be affected	help@cilogon.org	COMPLETE

2020-02-17 18:00	2020-02-17 21:30	NCSA LDAP	The primary LDAP server ran out of disk space, later causing intermittent outages with all LDAP replica servers.	All ITS managed LDAP servers, including: <ul style="list-style-type: none"> ldap, ldap1, ldap2 .nca.illinois.edu LSST LDAP replicas mg LDAP replicas 	help+its@nca.illinois.edu	RESOLVED
2020-02-17 12:00 pm	2020-02-17 3:00 pm	OSN Pod	Ceph Update	All OSN Pod services	bdickin2@illinois.edu; sstevens@illinois.edu	COMPLETE
2020-02-14 10:00	2020-02-14 14:00	Wired networking in NCSA building	Some users reported they were unable to connect to the internet through their wired network connection. Wireless remained fully operational.	DHCP for NCSA building wired network.	help+neteng@nca.illinois.edu	Resolved
2020-02-11 07:00	2020-02-11 1635	iForge	Quarterly Maintenance	All systems will be unavailable during the maintenance	iforge-admin@nca.illinois.edu	Complete
2020-02-04 10:00	2020-02-04 12:00	ClLogon upgrade	ClLogon Service web front-end Bootstrap upgrade (http://bit.ly/36BvG57)	No downtime is expected.	help@cilogon.org	Primary production server upgraded. Secondary production server to be upgraded in a week.
2020-02-03 10:00	2020-02-03 10:05	Systems connection to idds-prod	ITS will be updating firewall settings for idds-prod.	No impact is expected, but users should contact help+ids if issues occur.	help+ids@nca.illinois.edu	Complete
2020-01-30 13:00	2020-01-30 13:05	Systems using acctd	IDDS will install triggers on the production database to support the new project-data message.	There are no changes that need to be made to current acctd implementations. The only impact acctd users may notice is the presence of project-data messages in acctd logs.	help+ids@nca.illinois.edu	Complete
2020-01-30 8:00	2020-01-30 9:00	LSST Firewalls	Firewall upgrade	No impact is expected. Traffic to /from 141.142.181.0/24 and 141.142.182.128/26 will be failed over from the primary firewall to the secondary firewall while the primary is upgraded, then failed back. Traffic between these subnets and the LSST storage network does not traverse the firewall.	help+security@nca.illinois.edu	COMPLETE
2020-01-28 17:00	2020-01-28 19:00	DHCP Upgrade	OS updates	DHCP server will be rebooted for all office and wireless networks. All connected clients will not be affected. Any new IP requests during the reboot will be delayed. This shouldn't be impacting for most users.	help+neteng@nca.illinois.edu	Completed
2020-01-28 17:00	2020-01-28 19:00	Exit-East Router	OS update	Most traffic will be sent via our second router. Some specific projects may be affected. Neteng will talk to those projects directly.	help+neteng@nca.illinois.edu	Completed
2020-01-27 11:54	2020-01-28 09:36	oa4mp.nca.illinois.edu	an automated CA certificate update caused authentication failures	NCSA RSA authentication to Globus was unavailable	help+idp@nca.illinois.edu	temporary work-around in place; proper fix scheduled for 2020-01-29 14:00 (note: oa4mp.nca.illinois.edu is scheduled for retirement on 2020-04-01)
2020-01-21 0815	2020-01-21 0825	Idap2	Idap2 was returning Idap queries inconsistently so the service was restarted.	login to certain services was unusually slow for some users. Jira being the top problem.	help+its@nca.illinois.edu	Idap2 queries are working as expected after the restart.
2020-01-16 : 1730	2020-01-16: 1748	Condo NFS service	NFS exports are failing path resolution	NFS file system client mounts	Chad Kerner	Servers rebooted, mounts restored
2020-01-15 08:00	2020-01-16 01:55	ICCP	Quarterly Maintenance <ul style="list-style-type: none"> Golub IB Core switch FW update Golub 10G Core switch FW update GPFS 5.0.4.1 update Moved golub Rack8 to accommodate expansion 	Total outage including export nodes (access to HTC will still available)	iccp-admins@campuscluster.illinois.edu	Complete
2020-01-15 07:00	2020-01-15 12:00	LSST NCSA Test Stand	Hardware repair in NCSA Test Stand	21 servers in the NCSA Test Stand had their drive backplanes replaced by the vendor.	lsst-admin@nca.illinois.edu	COMPLETE
2020-01-06 10:00	2020-01-08 14:30	Code42 Crashplan Endpoints	The Code42 Crashplan servers start edpushing out Code42 Crashplan client updates	All users of CrashPlan will have their clients upgraded.	help+its@nca.illinois.edu	Complete
2020-01-03 10:20	2020-01-03 11:20	Code42 Crashplan was upgraded	Software updates to the CrashPlan Auth and Storage servers were applied	Backups were queued while the services restarted.	help+its@nca.illinois.edu	Complete
2020-01-02 11:30	2020-01-02 17:39	NCSA ITS vSphere vCenter	VCenter was upgraded to latest patch level. Due to some bugs it took longer to apply than expected.	The VMware administrative interface was unavailable during the update.	help+its@nca.illinois.edu	Complete
2019-12-18 08:00	2019-12-18 10:00	Facility infrastructure Electrical Transformer TX-5C	Replace defective temperature controller	"No Outage" Production projects on feeder C	MO Rantissi	Complete
2019-12-17 06:00	2019-12-17 10:25	JIRA	JIRA Upgrade from 7.6 to 8.5	All JIRA users	help+its@nca.illinois.edu	COMPLETE

2019-12-12 08:00	2019-12-12 14:00	LSST	Monthly Maintenance: <ul style="list-style-type: none"> OS updates and reboots GPFS filesystem restructure 	ALL LSST systems will be updated, including: <ul style="list-style-type: none"> lsst-dev01, lsst-xfer, etc. Slurm verification cluster PDAC/Kubernetes/LSP clusters tus-ats01 L1 test stand 	lsst-admin@ncsa.illinois.edu	COMPLETE
2019-12-12 10:02	2019-12-12 10:08	internal.ncsa.illinois.edu	System memory was exhausted and OOM killer started killing https connections.	Savanna tools were unavailable	help+its@ncsa.illinois.edu	Memory resources for the server were doubled and service was brought back online.
2019-12-10 13:45	2019-12-10 16:55	Internet2 Connectivity	Internet2 Engineers isolated the issue to a malformed route update coming from an external peer to one of its nodes in Ashburn, VA. As this update was propagated throughout the Internet2 Network, it triggered a bug on the Internet2 routers and caused all internal BGP sessions of each router to rapidly flap, thus causing instability across the footprint. Engineers mitigated the issue by placing a filter on the specific peer to reject the malformed packet. The Major Incident has been resolved at this point.	Many different external resources, data transfers, sessions, etc. to various destinations.	help+neteng@ncsa.illinois.edu	Connectivity has stabilized. Please report any issues should they arise.
2019-12-2	2019-12-2 afternoon	Wireless network	Tech Services reports they are having authentication issues affecting Wifi and VPN. Engineers are working on the problem. Tech Services Issue Description .	NCSAnet, IllinoisNet wireless are non functional at the moment. NCSA wired network remains available. IllinoisNet_guest is also functional.	help+neteng@ncsa.illinois.edu	Troubleshooting in progress
2019-11-14 18:00	2019-11-14 19:00	Exit-West Router	Software Upgrades	This should not be user impactful. All traffic will re-route via the other router.	help+neteng@ncsa.illinois.edu	COMPLETE
2019-11-14 5:00 AM	2019-11-14 3:30 PM	Nearline Endpoint	Issue with one storage library	Some Globus transfers were stalled for the period of the outage	bw+storage@ncsa.illinois.edu	COMPLETE
Nov 7 10:00	Nov 7 14:00	ICCP. All login nodes will be down.	Reroute some IB cables between Core switches and compute nodes. Changing topology on Subnet Manager.	Scheduler will be pause. No users access to login nodes. All running jobs will be kill.	help@campuscluster.illinois.edu	COMPLETE
2019-11-05 07:00	2019-11-05 16:53	iForge	Quarterly Maintenance	All systems will be unavailable during the maintenance	iforge-admin@ncsa.illinois.edu	COMPLETE
2019-10-1	2019-11-1	NCSA Windows Domain Controllers	ITS Migrated all Windows Systems to using the Campus Domain. The existing NCSA Windows Domain has been decommissioned and shutdown.	NCSA Windows Systems	help+its@ncsa.illinois.edu	COMPLETE
2019-10-23 8 a.m.	2019-10-23 12:00 p.m.	Core-West	Code upgrades will be performed on Core-West network switch.	This should not be user impacting. All traffic will flow through the redundant Core.	neteng+help@ncsa.illinois.edu	COMPLETE
2019-10-22 06:12	2019-10-22 07:18	Jira and Wiki	During reboots for system patches the wiki and Jira got stuck in a state that was not providing data to the users.	Only web access to these tools was impacted.	help+its@ncsa.illinois.edu	COMPLETE
2019-10-16 08:00	2019-10-16 20:30	ICC system wide	Quarterly maintenance	All services on ICC	help@campuscluster.illinois.edu	COMPLETE
2019-10-16 8 a.m.	2019-10-16 12:00 p.m.	Core-East	Code upgrades will be performed on Core-East network switch.	This should not be user impacting. All traffic will flow through the redundant Core.	neteng+help@ncsa.illinois.edu	COMPLETE
2019-10-15 11:45am	2019-10-15 11:56AM	npcf-exit-east	BGP peering flapped over I2 AL2S circuit	Traffic got re-routed but some WAN services were impacted as reported by users.	help+neteng@ncsa.illinois.edu	COMPLETE
2019-10-10 07:00	2019-10-10 07:30	mysql.ncsa.illinois.edu	Some table repairs broke replication; this maintenance will update the replicas with newer databases so the service will work as expected again.	Wiki, JIRA, and some web sites will stop working. Email forwarding to user accounts at NCSA will be delayed during the outage.	lindsey@ncsa.illinois.edu	COMPLETE
2019-10-01	2019-10-03	NCSA-Print & Building Printers	Some printers are having issues connecting to the NCSA Print Server. After updating drivers on the print server, public printers are working as expected.	Printing	help+its@ncsa.illinois.edu	COMPLETE
2019-10-03 6AM	2019-10-03 7:45AM	Jira and Wiki	During reboots for system patches the wiki and Jira got stuck in a state that was not providing data to the users.	Only web access to these tools was impacted.	help+its@ncsa.illinois.edu	COMPLETE
2019-10-01 7AM	2019-10-01 8:30PM	Blue Waters	NGA work load scheduled testing	scheduler testing for NGA workload	David King	COMPLETE
2019-10-01 10AM	2019-10-01 12:04PM	Blue Waters	EPO 4 racks lost xdp (cooling) CRAY warm swapped racks back into system successfully.	scheduler, some computes missing and Gemini was rerouted	Michael Showerman	COMPLETE
2019-10-01 07:00	2019-10-01 07:30	mysql.ncsa.illinois.edu	MySQL servers needed to be synchronized to convert the server in NPCF back to a replicated host.	Wiki, JIRA, and some web sites stopped working. Email forwarding to user accounts at NCSA was delayed during the outage.	lindsey@ncsa.illinois.edu	COMPLETE
2019-04-18 0800	2019-04-18 1200	LSST	Monthly Maintenance: <ul style="list-style-type: none"> 40G Network switch maintenance GPFS server updates OS updates and reboots Dell firmware updates Kubernetes update Pending Puppet changes 	ALL LSST systems, including: <ul style="list-style-type: none"> lsst-dev01, lsst-xfer, etc. Slurm verification cluster PDAC/Kubernetes/LSP clusters tus-ats01 	lsst-admin@ncsa.illinois.edu	Maintenance completed.
2019-04-18 0900	2019-04-18 0930	NCSA Open Source	Upgrade confluence to apply security patch	NCSA Open Source confluence, all other services are unaffected	opensource@ncsa.illinois.edu	Confluence upgraded to 6.15.2
2019-04-17 0800	2019-04-17 1000	ADS	ICCP Carne Maintenance	All services will be down.		Maintenance completed.

2019-04-17 07:30	2019-04-17 19:45	ICCP	Quarterly Maintenance <ul style="list-style-type: none"> Ur1came router code upgrade Centos 7.6 upgrade Deployment of HDR 	All services unavailable	iccp-admins@campuscluster.illinois.edu	Maintenance completed.
2019-04-12 1410	2019-04-12 1534	Blue Waters/Scheduler	HSN issue	scheduler paused New Login sessions hang	tbouvet@illinois.edu	HSN recovered, scheduling resumed
2019-04-11 0555	2019-04-11 0702	LDAP	LDAP process crashed	Authentication to LDAP-backed services	help+its@ncsa.illinois.edu	LDAP was restarted
2019-04-10 0800	2019-04-1530	wiki	wiki was taken off-line for a security related upgrade	wiki was unavailable	help+its@ncsa.illinois.edu	Now running the latest version of confluence
2019-04-09 0900	2019-04-09 0930	CILogon (https://cilogon.org), myproxy.xsede.org , tca.ncsa.illinois.edu	Deploy new Luna SA HSM (hsm5) to production and take one old HSM (hsm4) offline (to serve as emergency backup).	No downtime is expected. Use instructions at SafeNet LunaSA HSM Monthly Testing to change pool of available HSMs on \{warm, cool, tepid\}. ncsa.illinois.edu .	help@cilogon.org	\{warm,cool\}.ncsa.illinois.edu now use hsm3+hsm5. tepid.ncsa.illinois.edu uses hsm5+hsm3. hsm4 will eventually be powered off and reserved as a backup.
2019-04-07 0645	2019-04-07 1650	Campus Cluster and ADS	We were experiencing network connectivity issues to both WAN and to some stuff internal to ICCP but all the traffic that was suspicious was going through the cc-core. Rebooting cc-core0 seems to have resolved the issue.	Intermittent connectivity issue causing login and job submission to failed.	iccp-admins@campuscluster.illinois.edu	Rebooting cc-core0 seems to have resolved the issue.
04/07/2019 9:30AM	04/07/2019 2:30PM	Blue Waters	Scheduler paused, oss hardware was replaced on scratch. Filesystem check in progress.	New jobs not starting. Current jobs may stall if access bad oss.	tbouvet@illinois.edu	OSS hardware replaced and scheduler resumed
2019-04-04 0800	2019-04-04 0830	NCSA LSST Resources	Switches servicing LSST hardware in NCSA-3003 were migrated to a new aggregation router.	A brief network blip (~60s) occurred. All hosts have been verified after the move	neteng@ncsa.illinois.edu	Maintenance has been completed.
2019-04-02 0900	2019-04-02 1500	NCSA Open Source	Upgrade software and server	Server and/or services can be down during this time	opensource@ncsa.illinois.edu	Upgrade completed
2019-04-02 0900	2019-04-02 1100	CILogon (https://cilogon.org)	Upgrade PHP from v5.6 to v7.3	No downtime is expected.	help@cilogon.org	Upgrade completed.
2019-April-01		NCSA Duo	Backup code reminder emails were sent to all NCSA Duo participants in error. Your previously created backup codes are still valid. We are investigating why this email was sent.	NCSA Duo	help+security@ncsa.illinois.edu	API changes required re-coding the backup code process.
20190318 - 1400	20190318 - 1500	BW Nearline Endpoint	Scheduled HPSS software patch roll-up	Access to BW Nearline endpoint is suspended	help+bw.ncsa.illinois.edu	Patch installation complete
2019-03-12 07:00	2019-03-13 17:45	LSST - LSST dev /Slurm compute nodes	network testing	24 compute nodes were reserved for admin use for this testing	lsst-sysadm@ncsa.illinois.edu	testing was extended into the 13th but was completed and nodes have been returned to service
2019-03-12 13:25	2019-03-12 14:25	LSST	public DNS names were inadvertently removed for LSST's Oracle servers /service and the service became unavailable	LSST Oracle servers/service	lsst-sysadm@ncsa.illinois.edu	<ul style="list-style-type: none"> DNS was completed restored by 14:25 slowness following return to service was initially reported by one user but this seems to have resolved itself
2019-03-09 22:35	2019-03-09 22:35	LSST	Power sag caused 27 L1 "NCSA test stand" nodes to reboot	27 L1 "NCSA test stand" nodes	lsst-sysadm@ncsa.illinois.edu	Servers rebooted themselves
2019-03-09 09:56	2019-03-09 10:31	NCSA Jira, Pop, File-server	A VM host kernel panicked, causing its VMs to restart on alternate hosts.	Jira, pop mail server, and file-server services	help+its@ncsa.illinois.edu	VMs automatically restarted themselves.
2019-03-08 06:15	2019-03-08 06:45	NCSA Storage Condo	There was an IB error on the storage network causing the core servers to lose connectivity to disk.	NFS/GridFTP/Remote Cluster Mounts	ckerner@illinois.edu	The node with the IB issue has been temporarily removed from service and will be placed back in when corrected.
06-Mar-2019 8am (CST)	06-Mar-2019 9am (CST)	All services behind pfSense firewall at NCSA. (qserv, verify, lsp, oradb)	pfSense network config update to stage 'k8s-prod' deployment. Requires failover of firewall, and may cause short (~60s) outage of systems behind the firewall.	All services behind pfSense firewall at NCSA. (qserv, verify, lsp, oradb)	lsst-sysadm@ncsa.illinois.edu help+security@ncsa.illinois.edu	Complete
2019-03-04 2:00 pm	2019-03-04 2:08pm	NAPS	<p>IDDS will be applying several updates to the NCSA Allocations Processing Service (NAPS):</p> <ol style="list-style-type: none"> (1) Searches for logins will only find those logins for the current domain (2) Logins will always be created for the same organization as the domain (instead of always creating an NCSA login) (3) Valid login rules will check the rules for the organization of the current domain (4) Bug fix to make sure int args to procedures are passed as ints, not strings (5) Speed up project loading process (6) Dynamically determine compute resources (7) Correct information in confirmation message when terminating a user from a project (8) When selecting allocation for new users, only show the most current allocations for each resource 	NAPS	help+ids@ncsa.illinois.edu	Complete
2019-03-01 09:00	2019-03-01 09:33	aForge	Multiple Ambari Services were in an error state. Individual service starts would fail.	Job submission was down	aforge-admin@ncsa.illinois.edu	Cluster was restarted

2019-02-27 23:00	2019-02-28 08:23	NCSA VPN	Campus moved Duo to a different instance (off of DUO1) to improve performance and reduce future downtime. NCSA Duo is bundled with campus Duo and is also affected. The vendor has completed changes but additional work appears needed on the NCSA VPN to accommodate this change.	NCSA VPN was not working with Duo push - entering the 6 digit passcodes generated by the Duo app can be used as a work-around.	help+neteng@ncsa.illinois.edu	NCSA VPN is now working for both push and passcodes.
2019-02-27 23:00	2019-02-27 23:59	Any system using Duo authentication	The vendor moved us to a different Duo instance (off of DUO1) to improve performance and reduce future downtime.	Anyone who has a current session will not be impacted, it will only be for people trying to auth into a new session. We expect Duo to be up most of this change window and actual downtime to be minutes. All systems using Duo are affected including: <ul style="list-style-type: none"> NCSA VPN bastions (cerberus, ache) itp.ncsa.illinois.edu 	help+neteng@ncsa.illinois.edu help+security@ncsa.illinois.edu	Vendor has completed work and most systems appear to be functioning, however it appears some local changes are needed for the NCSA VPN - see separate posting.
2019-02-22 06:30	2019-02-22 07:00	ICCP WAN	This morning during a routine generator transfer test, one of the UPS units in a Tech Services networking node, node-1, failed resulting in a loss of power to portions of node-1. Network Engineers were on-site during the test and were able to quickly resolve all issues stemming from that loss in power. Not all equipment hosted in node-1 was impacted but one of the campus core routers, equipment hosting the science DMZ (CARNE and thus ICCP WAN as a whole) and other parts of the ICCN (Inter-Campus Communication Network) were impacted.	All networking in and out of ICCP was down. Intra-cluster networking within ICCP was not affected	help+neteng@ncsa.illinois.edu	ICCN network engineers resolved the issues and things came back up successfully
2019-02-21 10:00	2019-02-21 14:00	ICCP	moab core dump during startup.	No one can submit job and no new jobs will start.	help@campu.scluster.illinois.edu	Able to restart moab after removing all checkpoint files.
2019-02-21 08:00	2019-02-21 12:00	LSST	Monthly maintenance <ul style="list-style-type: none"> OS/Yum updates Switch maintenance in NPCF N73 & P73 pfSense update & port negotiation change GPFS server updates Firmware updates for Dell C6420s 	ALL LSST systems, including: <ul style="list-style-type: none"> lsst-dev01, lsst-xfer, etc. PDAC, verification, and Kubernetes clusters tus-ats01 	lsst-admin@ncsa.illinois.edu	Maintenance was successfully completed with one pending issue: <ul style="list-style-type: none"> monitoring hosts (lsst-int-monitor, monitor-ncsa) are not showing status information due to problem reaching influxDB resolved
2019-02-21 09:20 AM	2019-02-21 09:26 AM	Services using DUO	The DUO1 deployment experienced a load balancer failure resulting in 100% of authentication requests failing to complete.	All systems using Duo were affected including: <ul style="list-style-type: none"> NCSA VPN bastions (cerberus, ache) itp.ncsa.illinois.edu 	help+security@ncsa.illinois.edu	This issue was identified and resolved via automated remediation by the vendor. See http://stspg.io/940af334e for details.
2019-02-18 01:31 PM	2019-02-18 05:05 PM	ICCP	Moab was crashing after a few minutes of starting.	Jobs could be submitted, but would not start.	iccp-admins@campu.scluster.illinois.edu	Moab was restarted with no additional commands run (showconfig, etc.). This allowed Moab to properly index the job database. After completion, the scheduler was stable again.
2019-02-18 9:00 AM	2019-02-18 11:00 AM	LSST - K8s	Security update of Docker and Kubernetes packages to address CVE-2019-5736	Qserv, All LSST services running in K8s.	lsst-admin@ncsa.illinois.edu	Patching completed on time (10:00 AM). Additional troubleshooting of lsp-stable & lsp-int indirectly related to maintenance.
2019-02-15 1:15 PM	2019-02-15 about 1:45 PM	Some internet connectivity	ICCN router card crashed. Some commodity internet traffic was affected during the timeframe listed.	Commodity traffic to/from NCSA.	neteng+help@ncsa.illinois.edu	This has been resolved.
2019-02-13 17:00	2019-02-13 21:00	netdot.ncsa.illinois.edu	NetEng will be migrating Netdot to a new platform.	Users will not be able to login into the NetDot IPAM and make/view DNS entries. The DNS servers will remain available throughout the window.	help+neteng@ncsa.illinois.edu	This has been completed.
2019-02-10 11:40am	2019-02-12 11:50am	ICCP	Controller failed that caused an interruption with the redundant controller, have a new enclosure in place, waiting on valid second controller still. Cluster has returned on one controller after FSCK came back clean on the file system	Shared file systems on cluster were unavailable	set@ncsa.illinois.edu	After force verifying the Pools, running FSCK on file system, swapping enclosure, file system returned to service. New controller successfully installed on 02/13; opened PMR with IBM on FSCK duration
2019-02-11 11:00	2019-02-11 17:50	IDDS job processing	We will be doing a correction to a large number of Blue Waters job records in the IDDS database. This process will begin at 11am and is expected to last around 6-7 hours.	There will be a small interruption to real time job loading for Blue Waters that should last around 1 hour. Although there should be little impact to other systems, database access to the jobs table might be sluggish.	help+idds@ncsa.illinois.edu	Complete
2019-02-10 21:00	2019-02-11 09:15	NCSA Open Source	kernel crashed. proxy server is down resulting in all of NCSA Open Source services being unreachable	NCSA OpenSource: JIRA, WIKI, BAMBOO, Confluence	devops.isda@lists.illinois.edu	physical reboot of server resolved issue
2019-02-08 13:00	2019-02-08 17:30	BlueWaters HPSS ncsa#Nearline globus service	HPSS core server encountered a bug and crashed Vendor is installing a patch to the core hpss server. Anticipating the system will be returning to service by 17:20	BlueWaters HPSS storage Globus transfers to/from ncsa#Nearline	help+bw@ncsa.illinois.edu Archive of NCSA Status Home	Vendor installed a patch HPSS and ncsa#Nearline were returned to service
2019-02-07 5:00 AM	2019-02-07 5:30 PM	BW/HPSS ncsa#Nearline (GO)	Scheduled Maintenance	Software and firmware updates completed.	help+bw@ncsa.illinois.edu	ncsa#Nearline (GO) returned to service
2019-02-06 9:05 AM	2019-02-06 3:14 PM	BW/Scheduler	HSN issue - full reboot to recover	Mainframe rebooted and all running jobs were lost.	help+bw@ncsa.illinois.edu	BW returned to service
2019-02-05 07:00	2019-02-05 22:00	iForge/aForge	Quarterly Maintenance (20190205 Maintenance for iForge)	All systems were unavailable during the maintenance.	iforge-admin@ncsa.illinois.edu	Maintenance was successfully completed. iForge and aForge were returned to service by 22:00.

2019-02-02 6:40	2019-02-02 10:20	ICCP scheduler	Root fill up on cc-mgmt1.	Both resource manager and scheduler were down	iccp-admins@campuscluster.illinois.edu	Boot the system into single user mode and gzip old messages file and moved this to GPFS. Having issue restarting moab after that. Restart moab with clear checkpoint option and it works.
2019-01-31 06:00	2019-01-31 07:10	NCSA ITS vSphere vCenter	Upgraded ITS vSphere vCenter server to latest version	All VMs will remained online during the maintenance, but management through vCenter was unavailable.	help+its@ncsa.illinois.edu	Upgrade complete
2019-01-30 10:00 p.m.	2019-01-30 12:00 p.m.	NCSA XSEDE DNS server	Performing patching/upgrade on the ns1.xsede.org	While patching the ns1.xsede.org DNS server will be unavailable intermittently. Backup DNS servers will remain during this time frame.	help+neteng@ncsa.illinois.edu	Maintenance complete
2019-01-23 5PM	2019-01-24 8AM	Fileserver	Scheduled Maintenance	Shares on Fileserver were unavailable during the outage.	help+its@ncsa.illinois.edu	Maintenance complete
2019-01-18 12:14	2019-01-18 14:32	RSA OTP user portal	An ESXi server crashed taking down several VMs it was hosting. The OTP VM rebooted on an alternate ESXi hosts.	RSA OTP user portal	help+its@ncsa.illinois.edu	RSA OTP user portal online
2019-01-18 12:14	2019-01-18 13:30	JIRA, file-server, ad-a, jabber, vsphere, email relay	An ESXi server crashed taking down several VMs it was hosting. The VMs all rebooted on alternate ESXi hosts.	JIRA, file-server, ad-a, jabber, vsphere, and email relay all rebooted JIRA had index files corrupted and took a while to repair those	help+its@ncsa.illinois.edu	JIRA, file-server, ad-a, jabber, vsphere, and email relay rebooted and online
2019-01-17 08:00	2019-01-17 12:00	LSST	Monthly maintenance <ul style="list-style-type: none">Power rebalancing in NPCF L73Switch maintenance in NPCF M73, N73, P73Critical security patchingDell firmware upgrades	ALL LSST systems (incl. lsst-dev01, lsst-xfer, etc. as well as PDAC, verification, and Kubernetes clusters, and tus-ats01)	lsst-admin@ncsa.illinois.edu	Maintenance was completed successfully with the following caveats: <ul style="list-style-type: none">lsp services in Kubernetes are not fully functional (this is carryover from before the PM; see discussion on Slack, dm-lsp-users and possibly other channels)lsst-11-cl-dmcs will not boot after firmware updates Please open tickets if you notice other issues.
2019-01-16 10:00	2019-01-16 10:15	NPCF Emergency power off	Emergency power off panel was energized	Facility electrical and HVAC systems	mrantissi@illinois.edu	Panel is armed
01/12/2019 8AM	01/12/2019 1PM	BW/Mainframe resource	Hung threads on scratch/home, paused the scheduler, HSN requires full reboot to recover 9:30AM	Mainframe rebooted and all running jobs were lost.	Timothy Bouvet	BW returned to service 1PM
2019-01-10 5:35PM	2019-01-10 5:55PM	code42 crashplan pro e services had update for dataloss bug with MS OneDrive	Code42 crashplan service was updated to latest release to fix a data loss problem with clients also running MS One Drive.	Backup services were interrupted for a few minutes while services updated	crashplan@ncsa.illinois.edu	Now running Code42 6.8.6
2019-01-10 3:20PM	2019-01-10 5:00PM	DUO 2-Factor Auth	DUO Upstream vendor reported issues with their service. https://status.duo.com/	NCSA systems that use DUO for 2FA	help+security@ncsa.illinois.edu	DUO brought their systems back online
2019-01-09 10:28 AM	2019-01-10 3:00 PM	BW/HPSS	Power event at NPCF and recovery from fallout	HPSS ncsa#Nearline	Glasgow, James A glassgow@illinois.edu	HPSS ncsa#Nearline RTS
2019-01-09 10:28 AM	2019-01-09 4:35 PM	BW/All Resources Down	Power event at NPCF and recovery from fallout	All BW Resources Down	tbouvet@illinois.edu	Power Restored, All Resources Except HPSS RTS
2019-01-09 1015	2019-01-09 12:15	Industry systems/ LSST systems	Power event at NPCF caused some Industry and some LSST systems to go offline	Running jobs on iforge and other systems	help+industry@ncsa.illinois.edu lsst-admin@ncsa.illinois.edu	The affected systems have been returned to service and users are being notified of which jobs to rerun
2019-01-08 18:00	2019-01-08 19:00	NCSA office net firewall	Software upgrade on NCSA firewall and some config changes.	NCSAnet wireless, Wired network (closed and partially-closed nets). IllinoisNet wireless will remain available during the maintenance.	help+neteng@ncsa.illinois.edu	Firewall upgrade did not go through however all services have been restored. NetEng is investigating and will work with the vendor to figure out a solution.
01/08/2018 2:20PM	1/08/2018 2:40PM	code42 crashplan pro e services had update for security issues	Code42 crashplan service was updated with the latest security fixes	Backup services were interrupted for a few minutes while services updated	crashplan@ncsa.illinois.edu	Now running Code42 6.8.5
12/26/18 7:31AM	21/31/18 12:50PM	OTP self-services site was down	Power on the hypervisor running the rsa otp self-service site was lost and the service didn't restart	PIN changes and new software distribution was unavailable	otp@ncsa.illinois.edu	Now running updated version of software and all functionality was restored.
12/27/18 1:16PM	12/27/18 11:40PM	NPCF - 2 power blips (B transformers)	System has been returned to service.	Blue Waters ongoing jobs all terminated, scheduler paused while mainframe rebooted.	Jeremy Enos	After an absurdly long outage to perform a reboot, the system was returned to service. There were apparently issues on shutdown, and again on bringup with various hardware fallout.
12/27/18 7:58AM	12/27/18 8:30AM	Blue Waters/ bwedge, bwds2 - rebooted on backup server bwds-m-dev - unresponsive?	jack.internal.ncsa.edu stopped responding/crash, we're having intermittent issues with ESXi hosts kernel dumping	VM server went down impacting vm's on that server. VM's will restart on other backup server with temporary interruption in their services.	Bill Glick Timothy Bouvet	jack.internal.ncsa.edu was power cycled. VM's were migrated to balance the load on servers after Jack was returned to service.
2018-12-17	2018-12-19	ICCP	Removed old file systems no longer in production; reformatted LUNs; rolling reboot of NSD servers to pick up new presentations; rebalance started	No user impact, all services remained fully operational	set@ncsa.illinois.edu	New v5 formatted disks added successfully; FS expanded to full size; rebalance of FS began

2018-12-18 08:00	2018-12-18 10:00	NPCF-EXIT-EAST	The firmware on NPCF-EXIT-EAST was upgraded.	Traffic was re-routed through NPCF-EXIT-WEST during the maintenance. No impact to users was observed.	neteng@ncsa.illinois.edu	Firmware was upgraded without issue.
2018-12-12 08:00	2018-12-12 20:43	ICCP	Monthly maintenance <ul style="list-style-type: none"> cutting the cluster over to new Spectrum Scale v5 formatted file system 	Total cluster outage. Taking a bit longer to bring the system back because interface renaming script stop working.		help@campuscluster.illinois.edu
2018-12-11 08:00	2018-12-11 10:00	NPCF-EXIT-WEST	The firmware on NPCF-EXIT-WEST was upgraded.	Traffic was re-routed through NPCF-EXIT-EAST during the maintenance. No user visible outage occurred.	neteng@ncsa.illinois.edu	Firmware was upgraded without issue.
2018-12-07 08:54	2018-12-07 19:25	ICCP	ACB UPS experienced fault causing storage appliance to shutdown in controlled manner	Jobs halted on system due to lack of parallel file system presence.	help@campuscluster.illinois.edu	F&S was dispatched to fix put UPS in bypass, FSCK's were run on File Systems to ensure integrity and the cluster was returned to service.
2018-12-06 5:30PM	2018-12-06 8:30PM	Wired network connections in NPCF office space	Software upgrade on network switches	wired network service in NPCF office space. NCSAnet, IllinoisNet Wireless remained available	help+neteng@ncsa.illinois.edu	Maintenance was successful
2018-12-06 06:00	2018-12-06 07:30	NCSA ITS vSphere vCenter	ITS vSphere vCenter server was upgraded to latest version	All VMs remained online during the maintenance, but management through vCenter was unavailable from 06:18-07:25.	help+its@ncsa.illinois.edu	Upgrade was completed successfully
2018-11-29 08:00	2018-11-29 14:00	LSST	Monthly maintenance <ul style="list-style-type: none"> Puppet code changes disable CPU hyperthreading OS/Yum updates code upgrades on select service & management switches NPCF ptSense updates 	ALL LSST systems (incl. lsst-dev01, lsst-xfer, etc. as well as PDAC, verification, and Kubernetes clusters, and tus-ats01)	lsst-admin@ncsa.illinois.edu	Maintenance was completed successfully
2018-11-19 08:00	2018-11-19 19:30	ICCP	Monthly maintenance <ul style="list-style-type: none"> Split the filesystem Reformat with new v5 format 	Total cluster outage.		help@campuscluster.illinois.edu
2018-11-15 5:30 PM	2018-11-15 7:30PM	NCSA building router in 2045	software upgrade on one of the building routers (2045-br)	Traffic failed over to redundant building router and no impact on network traffic was seen	help+neteng@ncsa.illinois.edu	Maintenance was completed successfully
11/14/18 5:30PM	11/14/18 6:23PM	Blue Waters/Home filesystem	MDS issue	scheduler paused Logins impacted	Timothy Bouvet	Home file system RTS
2018-11-14 10:00am	2018-11-14 11:00am	ldp.ncsa.illinois.edu	Upgrade Shibboleth IdP from v3.3.2 to v.3.4.1	ECP (command line) Duo authentication is now supported natively by Shib IdP software.	Terrence Fleury	work completed a day early
2018-11-14 10:45 am	2018-11-14 11:20 am	Blue Waters /Home filesystem	Investigation ongoing- suspect HSN quiesce	/home, and new job starts during the scheduler pause	Timothy Bouvet	back in service at 11:20
2018-11-06 06:00 am	2018-11-06 12:25 pm	Networking NetSure DC Distribution System Tape Library QBERT and DIGDUG iForge racks: <ul style="list-style-type: none"> Y121, Z121, AA121, CC121, DD121 	De-energize distribution power panel DP-6C-020 to install new power panel PPC4	Loss of power to the core network DC Distribution panel (B Side), the network is 2N power feed, no impact on the network due to redundancy. Loss of power to two tape libraries, a temporary power feeds will be provided. iForge system will be powered down for quarterly maintenance.	Mohammad Rantissi	work completed as expected
2018-11-13 7:30 PM	2018-11-13 8:30 PM	LSST Ispdev/Kubernetes	Cluster reboot	Memory performance on most k8s nodes was in degraded state as a result of a power event that occurred over the weekend. Reseating the nodes in their chassis slots resolves the issue.	lsst-admin@ncsa.illinois.edu	Systems rebooted and memory performance is back to normal
2018-11-10 -04:40	2018-11-10 -04:45	iForge (select compute nodes)	A power event caused some compute nodes to reboot	Select skylake platform compute nodes, including 7 nodes in the skylake queue. Jobs running on those nodes would have been impacted.	iforge-admin@ncsa.illinois.edu	Systems rebooted and brought themselves back online.
2018-11-10 -04:40	2018-11-10 -04:45	LSST (Ispdev and select L1 hosts)	A power event caused some hosts to reboot: <ul style="list-style-type: none"> Ispdev kubernetes cluster (3 nodes including master node did not come back on their own and were manually brought online around 09:30) some L1 nodes rebooted as well 	Ispdev/Kubernetes cluster was unavailable from -04:40 until -09:30 select L1 hosts rebooted	lsst-admin@ncsa.illinois.edu	Systems should be back online and functioning. Users are asked to create tickets if there are lingering issues.
2018-11-08 5:30PM	2018-11-08 7:30PM	NCSA building router in basement 07 (ncsa-07-br)	software upgrade on one of the building routers.	Traffic failed over to redundant NCSA building router. No impact on the network was observed	help+neteng@ncsa.illinois.edu	Maintenance was completed successfully without any issues
2018-11-07 16:50	2018-11-07 17:00	NCSA Jira	Jira was rebooted to increase RAM.	NCSA's Jira was offline while it's RAM configuration is upgraded.	help+its@ncsa.illinois.edu	Upgrade was completed successfully without any issues.

2018-11-06 06:00	2018-11-06 21:45	iForge / aForge	Quarterly Maintenance (20181106 Maintenance for iForge)	All systems were unavailable during the maintenance.	iforge-admin@ncsa.illinois.edu	<p>Maintenance was completed successfully:</p> <ul style="list-style-type: none"> aForge returned to service at 21:15 iForge returned to service at 21:45 <p>NOTE: OFED was updated to v4 on the clusters during the PM. Some MPI software may need to be recompiled due to changes in libraries (e.g., libpsm_infinipath is no longer present in OFED v4). Frequently used openmpi installations have been updated to accommodate this change. Software compiled against affected MPI software may also need to be recompiled.</p>
2018-11-06 07:00	2018-11-06 09:00	NCSA VPN Service	The VPN was upgraded.	The NCSA VPN service was down for maintenance	help+neteng@ncsa.illinois.edu	The NCSA VPN has been upgraded
2018-11-01 7:00PM	2018-11-01 7:30PM	wired networking on 4th floor in NCSA building	Software upgrade on network closet switches	Wired network, VOIP phones on 4th floor. NCSAnet Wireless remained available during maintenance window.	help+neteng@ncsa.illinois.edu	upgrade was completed successfully without any issues.
2018-11-02 3:30 AM	2018-11-02 6:10 AM	iforge cluster	<p>GPFS issue. "/usr/local" hangs.</p> <p>direct access to some directories under /iusr/local was OK.</p> <p>ie. "/usr/local/modules-3.2.9.iforge" was OK.</p>	<p>iforge login node is currently down.</p> <p>New ssh connections are hanging.</p> <p>There is the potential for issues with running jobs.</p> <p>Scheduler has been paused.</p>	<p>Jim Long</p> <p>jlong1s@illinois.edu</p>	<p>Something odd going on with iforge020 was causing hangs.</p> <p>Once iforge020 was rebooted, access to /usr/local was unlocked.</p>
2018-10-30 9:00 p.m.	2018-10-30 11:00 p.m.	NCSA DHCP	Patches	The DHCP server will be unavailable periodically for reboots and patching. Possible timeouts for DHCP, but generally no interruptions are expected.		help+neteng@ncsa.illinois.edu
2018-10-25 5:30PM	2018-10-25 6:00PM	wired networking on 3rd floor in NCSA building	software upgrade on network closet switches	wired network, VOIP phones. NCSAnet Wireless remained available during maintenance window.	help+neteng@ncsa.illinois.edu	code upgrade completed successfully without any issues.
2018-10-22 12:00pm	2018-10-22 1:00pm	IDDS servers	Patches	XRAS admin/review/submit UIs, XDCDB Admin UI, NAPS	idds-admin@ncsa.illinois.edu	Patches complete
2018-10-18 08:00	2018-10-18 12:00	LSST	<p>Monthly maintenance</p> <ul style="list-style-type: none"> firmware update and reboot on monitor01 (monitoring collector) OS & Kernel updates on tus-ats01.lsst.ncsa.edu Puppet code changes 	<ul style="list-style-type: none"> monitor01/InfluxDB (and likely the front-end Grafana monitoring, e.g., monitor-ncsa.lsst.org) will be unavailable for a short period of time tus-ats01 will be unavailable for OS & Kernel updates the Puppet changes are intended to be functional "no-ops" and should cause no outage, although we scheduled these changes during our monthly PM window in case something unexpected occurs 	lsst-admin@ncsa.illinois.edu	maintenance completed successfully
2018-10-17 08:00	2018-10-17 18:00	ICCP	<p>Monthly Maintenance</p> <ul style="list-style-type: none"> Deploying new kernel with CVE-2018-14634 fix Switching to MTU9000 across GPFS 5.0.2 upgrade Firmware bug fixes applied to DDN SFA14KX 	Total system outage	help@campuscluster.illinois.edu	maintenance completed
2018-10-17 15:40	2018-10-17 23:00	3rd Floor Networking	Portions of the third floor did not have network connectivity due to a switch malfunction.	Portions of the third floor are without network connectivity.	neteng@ncsa.illinois.edu	The issue has been resolved.
2018-10-15 08:00 AM	2018-10-15 08:50 PM	Blue Waters	Maintenance to apply security Patches	All services for Blue Waters will be down except for ncsa#Nearline	bw-admin@ncsa.illinois.edu	Outage extended for 2 hours due to unexpected power loss to 3 rows of equipment
2018-10-16 10:00 AM	2018-10-16 01:00 PM	DUO 2-Factor Auth	DUO Upstream vendor has reported issues with their service. https://status.duo.com/	NCSA systems that use DUO for 2FA might experience intermittent issues		help+security@ncsa.illinois.edu
2018-10-15 7:30 am	2018-10-15 11:00 pm	Nebula, File-server	Power Loss in the NCSA building is causing issues with systems	Nebula web services are turned off, File-server is unavailable	help+its@ncsa.illinois.edu	Systems we brought back online and repaired.
2018-10-15 07:35	2018-10-15 09:15	LSST	Power event -> host outage at NCSA 3003	<p>affected: all physical LSST hosts (and VMs) at NCSA 3003:</p> <ul style="list-style-type: none"> incl. lsst-dev*, lsst-xfer, lsst-l1*, lsst-daq, lsst-dev-db 	lsst-admin@ncsa.illinois.edu	<ul style="list-style-type: none"> most physical hosts rebooted themselves after the event, although a few L1 systems had to be manually powered on most VMs had to be manually started after the event
2018-10-11 16:30	2018-10-11 17:00	crashplan backup service	crashplan was upgraded to code42 6.8.4	crashplan service was restarted and clients reconnected	crashplan@ncsa.illinois.edu	crashplan service has fewer security vulnerabilities now.

2018-10-09	2018-10-09	DHCP	Additional DHCP attributes will be passed to clients.	The Security Operations group has requested that the Web Proxy Auto-Discovery Protocol (WPAD) be set to blank via DHCP to better secure client workstations/laptops. This should not impact any users general network usage.	help+neteng@ncsa.illinois.edu	WPAD has been applied to all user networks at NCSA and NPCF (including wireless).
2018-10-08 17:00	2018-10-08 21:00	Wired networking on 2nd floor in NCSA building	ncsa-2045 Network switch software upgrade	Wired networking for desktop computers and VOIP phones. Wireless network remained available during maintenance	help+neteng@ncsa.illinois.edu	switch stack on second floor was upgraded. There were some issues during upgrade process due to which maintenance ran longer than expected. All networking services are restored back to normal.
2018-10-4 16:35	2018-10-4 16:35	jabber.ncsa.illinois.edu	The open fire jabber server stopped working correctly and was restarted.	Everyone using jabber reconnected.	help+its@ncsa.illinois.edu	Jabber rooms are working like they should again
2018-10-04 08:00	2018-10-04 09:15	LSST	Critical security patching	ALL LSST systems (incl. lsst-dev01, lsst-xfer, etc. as well as PDAC, verification, and Kubernetes clusters) The following systems <i>will</i> remain online and unaffected: <ul style="list-style-type: none">tus-ats01	lsst-admin@ncsa.illinois.edu	Maintenance was successful.
2018-10-03 06:00	2018-10-03 07:00	Campus Cluster - Networking	Maintenance was performed on the OmniPoP uplink on ur1carne, which is the upstream router for all ICCP based network traffic. Engineers worked to transition the link from old optical transport gear to new gear that is optically protected with automatic failover.	All traffic that would normally take this OmniPoP link will reroute through other WAN links on ur1carne. Downtime of < 15 min is expected within the hour window while engineers swing the fiber jumpers from the old optical gear to the new optical gear. There should be no impact to DES or any ICCP customers. Please contact NetEng if you notice any unexpected outages.	help+neteng@ncsa.illinois.edu	Maintenance was successful.
2018-10-02 17:00	2018-06-02 20:00	NPCF Networking DC Power System	Testing and maintenance of the DC power system and battery backup will be performed.	No outage.	help+neteng@ncsa.illinois.edu	Tests were completed without issue.
2018-09-26 11:00	2018-09-26 12:00	Campus Cluster - MWT2 Networking	Maintenance was performed on the Internet2 uplink on ur1carne, which is the upstream router for all ICCP/MWT2 based network traffic.	MWT2 lost connectivity to LHC1 but everything else rerouted, all of which was expected.	help+neteng@ncsa.illinois.edu	The maintenance was successful, no issues have been reported
2018-09-20	2018-09-24	OpenAFS servers	OpenAFS file and database servers were upgraded to 1.6.23	The OpenAFS servers were upgraded to the latest code without service interruption	afs@ncsa.illinois.edu	Now running with latest security fixes in place
2018-09-20 08:00	2018-09-22 16:50	LSST Qserv	qserv-master01 is having trouble booting after a motherboard replacement during planned maintenance.	Qserv in general, specifically qserv-master	lsst-admin@ncsa.illinois.edu	RESOLVED
2018-09-20 08:00	2018-09-20 14:40	LSST LSPdev	LSPdev kubernetes is having a gateway error after upgrading	LSPdev kubernetes	lsst-admin@ncsa.illinois.edu	RESOLVED
2018-09-20 08:00	2018-09-20 14:00	LSST	Monthly maintenance (Sep): <ol style="list-style-type: none">Network switch firmware updates/rebootsLenovo firmware updates/rebootsOS package updates/rebootsESXi hypervisor updates/rebootsGPFS client changes and upgrade to 4.2.3-10GPFS server upgrade to 4.2.3-10	All LSST systems and services will be unavailable for the duration of the maintenance period.	lsst-admin@ncsa.illinois.edu	RESOLVED qserv-master01 and LSPdev are still having issues. These will be tracked as a separate incidents.
2018-09-19 08:00	2018-09-19 22:00	Campus Cluster	Monthly maintenance <ol style="list-style-type: none">Switching to CentOS 7.5 across clusterUpgrading gpfs to 4.2.3.10 (client only)	All compute and login nodes were down. The filesystems were also unavailable due to issues with the change to gpfs and RH7.5	help@campuscluster.illinois.edu	The cluster was back in service at 2200
2018-09-17 17:30	2018-09-19 19:30	Wired networking on 1st floor (ncsa-1045)	software upgrade on network switch for 1st floor.	Wired networking for users on 1st floor was unavailable as network engineering performed software upgrades on their equipment. Wireless network (NCSAnet) remained available during this time.	help+neteng@ncsa.illinois.edu	Maintenance was completed successfully. Users can contact neteng if they have any issues with their wired network connections.
2018-09-12 06:00	2018-09-12 09:00	DNS1, DNS2	DNS1 and DNS2 will be updated/upgraded	DNS servers will be undergoing routine maintenance. During this maintenance window, system and services will be restarted. One DNS server will always be responsive during the maintenance.	help+neteng@ncsa.illinois.edu	Updates have been applied.
2018-09-11 9:30 a.m.	2018-09-11 11:00 a.m.	Internet2 100G connection	ICCN engineers will be migrating our Internet2 connection to the new ICCN optical equipment.	Traffic will fail over to a secondary peering. We expect minimal impact to users. Direct peering will fall back to normal routing.	help+neteng@ncsa.illinois.edu	The migration has been completed.
2018-09-11 8:30 a.m.	2018-09-11 11:00 a.m.	ESnet 100G direct connection	We will be migrating our ESnet connection to the new ICCN optical equipment.	Traffic will fail over to a secondary peering. We expect no impact during this maintenance.		The migration has been completed.
2018-10-10 09:00	2018-10-10 17:00	netact.ncsa.illinois.edu	Multiple users reported they were unable to delete their activations or change networks within Netact.	netact.ncsa.illinois.edu	help+neteng@ncsa.illinois.edu	Fixed the bug and tested. Issue was resolved.
2018-09-06 11:00	2018-09-06 12:00	MREN Circuit Move	The MREN WAN circuit is being moved to an optical protection switch.	Traffic will be re-routed over an alternate peering during the test period.		neteng@ncsa.illinois.edu
2018-09-06 16:00	2018-09-06 16:40	RSA Authentication Manager	RSA Authentication Manager 8.2 SP 1 P 08 was applied	Both primary and replica servers were updated with the latest security patches	otp@ncsa.illinois.edu	Running 8.2 SP1 P08

2018-08-15 08:00	2018-08-15 20:08	Campus Cluster	Preventative Maintenance <ul style="list-style-type: none"> FSCK on filesystem Reseat and reset management modules on IB core switch BIOS updates on some nodes Upgrade Came uplink to 2x100G 	Total outage	help@campu scluster. illinois.edu	Corrected bad inode on filesystem. Rebooted IB core switch 2x100G links are working
2018-08-29 09:38	2018-08-29 10:21	Services that utilize Duo 2FA including bastions hosts and VPN.	latency issues with DUO1 as per https://status.duo.com/	any service that uses Duo for authentication including bastion hosts and VPN.	help+security@n csa. illinois.edu	Service appears be to be returning to normal as per updates on https://status.duo.com/
2018-08-20 10:20	2018-08-20 12:00	sslvpn.ncsa.illinois.edu	intermittent login issues with DUO two factor authentication due to an outage on DUO's end.	Two factor authentication to sslvpn service.	help+neteng@n csa. illinois.edu	Duo identified the issue and resolved the outage. Users can connect to sslvpn over Duo 2FA now.
2018-08-16 11:25	2018-08-16 12:41	Slack	Slack is reporting connectivity issues on their status page (https://status.slack.com/)	Slack reported, "connectivity issues impacting all workspaces "	feedback@sl ack.com	Slack reported this resolved at 12:41, though NCSA users reported it working around 11:38.
2018-08-15 08:00	2018-08-15 16:00	ISDA VM infrastructure	Upgrade of all VM servers as well as backend storage system	NCSA opensource, NCSA docker hub, ISDA VM servers	kooper@illino is.edu	Upgrade was successful
2018-08-15 0800	2018-08-15 1430	Storage Condo Maintenance	All servers were upgraded to gpfs 4.2.3.10 and the clustered nfs service was implemented as well.	Storage Condo	ckerner@illin ois.edu	Upgrade was successful
2018-08-14 05:00	2018-08-14 09:00	NCSA Wiki	wiki.ncsa.illinois.edu will be upgraded to Confluence 6.10.1 and then to 6.10.2.	The wiki will be down intermittently during the upgrade. Read the banner at the top of wiki pages for current status.	help+its@ncs a.illinois.edu	Upgrade was successful
2018-08-07 07:00	2018-08-10 07:30hrs	iForge ifdbpoc server	Hardware issues require migrating to new server; some signs indicate service was impacted prior to 2018-08-07 07:00 but no reports have confirmed	ifdbpoc		Admins migrated data and services to another server. Verification was performed by the apps team.
2018-08-08 -- 1430hrs	2018-08-10 -- 0730hrs	Blue Waters Nearline Endpoint	Due to very high demand for data retrieval from Nearline, a pause rule is in effect to allow manual task scheduling. You may submit tasks as normal and they will be run as quickly as possible.	Data storing and retrieving to/from the Nearline storage system.	hpssadmin@n csa.illinois. edu	Many tasks were manually scheduled and completed to help re-balance the system utilization. The endpoint pause rule was lifted and all tasks are running again.
2018-08-07 07:00	2018-08-07 22:15	iForge / aForge	Quarterly Maintenance (20180807 Maintenance for iForge)	All systems will be unavailable during the maintenance.	iforge- admin@ncsa. illinois.edu	In progress <ul style="list-style-type: none"> iForge was placed into production at 22:15 aForge was brought back online by 19:45
2018-08-03 11:30	2018-08-03 13:30	NCSA VPN	A configuration issue caused some VPN users connection problems to some NCSA resources.	Some VPN users reported connectivity problems to some internal NCSA resources.	help+neteng@n csa. illinois.edu	A configuration change was applied which corrected the routing issue.
2018-07-27 11:45	2018-07-27 13:45	NCSA Wiki	The wiki was being intermittently slow and unresponsive.	wiki.ncsa.illinois.edu	help+its@ncs a.illinois.edu	Upgraded several software packages and rebooted wiki server
2018-07-27 08:00	2018-07-27 08:15	NCSA VPN	The old NCSA VPN (vpn.ncsa.illinois.edu) was decommissioned. All users should be using the new VPN (sslvpn.ncsa.illinois.edu).	VPN was decommissioned.	neteng@ncs a.illinois.edu	The old VPN has been decommissioned and all users should be using the new VPN.
2018-07-26 14:00	2018-07-26 19:00	NCSA RT	The RT help site was being intermittently slow and unresponsive.	help.ncsa.illinois.edu	help+its@ncs a.illinois.edu	Upgraded several software packages and rebooted RT server
2018-07-25 14:30	2018-07-25 14:40	NCSA Wiki	Wiki Restart	Confluence service restarted	help+its@ncs a.illinois.edu	
2018-07-24 13:20	2018-07-24 13:55	crashplan	crashplan was upgraded to 6.7.3 for latest feature and security updates. Client updates will push out to system automatically over the next few days.	all client paused backups for about 2 mins as servers restarted with new code.	crashplan@n csa.illinois. edu	now running Code42 6.7.3
2018-07-22 19:14	2018-07-22 19:45	NCSA GitLab	NCSA GitLab server was updated.	<ul style="list-style-type: none"> Renewed SSL certificate Upgraded GitLab software Increased CPU & RAM 	help+its@ncs a.illinois.edu	Completed
2018-07-19 18:44	2018-07-20 10:45:13	nebula	nebula controller experienced a fatal hardware error on 10gE nic	<p>horizon interface to nebula https://nebula.ncsa.illinois.edu/ and all open stack command line tools are non-functional. Keystone authentication services are also off-line.</p> <p>Instances that were running should continue to run but restarting will probably fail until the controller is repaired. launching new instances will also fail.</p>	nebula@ncsa .illinois.edu	Replaced card, nebula.ncsa.illinois.edu is now accessible again.
2018-07-19 12:00	2018-07-19 12:30	LSST: lsst-dev-db and dependent services, including kubernetes lspdev	Following the July 19 planned maintenance, MariaDB services on lsst-dev-db are unavailable along with dependent services, including: <ul style="list-style-type: none"> kubernetes lspdev 	DB services on lsst-dev-db along with dependent services, including: <ul style="list-style-type: none"> kubernetes lspdev 	lsst- admin@ncsa. illinois.edu	Resolved
2018-07-19 08:00	2018-07-19 12:00	LSST	Monthly maintenance (July): <ol style="list-style-type: none"> Dell firmware updates/reboots OS package updates/reboots <ol style="list-style-type: none"> including upgrades to CentOS 7.5 GPFS client changes and upgrade to 4.2.3.9 GPFS server upgrade to 4.2.3.9 	<p>ALL lsst-dev systems (incl. lsst-dev01, lsst-xfer, etc. as well as PDAC, verification, and Kubernetes clusters)</p> <p>The following systems <i>will</i> remain online and unaffected:</p> <ul style="list-style-type: none"> lsst-daq lsst-l1-* tus-ats01 	lsst- admin@ncsa. illinois.edu	<p>Maintenance was successfully completed, although the following resultant issue is being tracked in a separate status event:</p> <p>DB services on lsst-dev-db are unavailable along with dependent services, including:</p> <ul style="list-style-type: none"> lspdev
2018-07-16-- 900	2018-07-16-- 1938	Bluewaters	System was upgraded for security issues and to migrate to Cuda 9.1	Bluewaters compute and scheduler	bwadmin@nc sa.illinois.edu David King	Bluewaters is now updated
2018-07-09-- 1130	2018-07-10-- 1700	Campus Cluster Monitoring Webpage	SET is moving set-analytics to https. This should have been a simple change to a host name, but after the change the new value was not picked up.	The monitoring web page gave a loading circle that never resolved to anything.	help@campu scluster. illinois.edu	Set up a Grafana instance for the display of the Campus Cluster monitoring.

2018-06-28	2018-07-09	Nebula	Nebula was taken offline to repair the filesystem	All Nebula services	nebula@ncsa.illinois.edu	Nebula is performing well now
2018-06-29 -- 1300hrs	2018-07-08 -- 1400hrs	Blue Waters Nearline Endpoint	Due to very high demand for data retrieval from Nearline, a pause rule is in effect to allow manual task scheduling. You may submit tasks as normal and they will be run as quickly as possible.	Tasks submitted to Globus will start in a paused state but will be released to run, at the earliest possible time, based on resource availability.	hpssadmin@ncsa.illinois.edu	Backlog of file stages was cleared and endpoint pause rule removed.
1800 2018-07-02	0600 2018-07-06	Access to NPCF	For the July 4th UIUC fireworks show, the parking Lots E14 and E14-shuttle will be closed from 6:00 p.m. Monday, July 2nd, through 6:00 a.m. Friday, July 6th. No parking will be allowed in these locations at any time during this period. Please do not park in the NPCF dock area - use the shuttle buses, or park in lot E46 (south on Oak St.).	Parking facilities for NPCF		Parking is back to normal
2018-05-03 14:30	2018-06-28 09:00	iForge gpu queue	both nodes in the general 'gpu' queue were offline due to issues with the GPUs	iForge 'gpu' queue could not be used		Tried driver updates and engaged with vendors; ultimately got one node working with 4 M40 GPUs rather than the previous 2 K80 GPUs; continue engaging with vendors to get the other node working but queue is now available.
0800 2018-07-02	1200 2018-07-02	Blue Waters Nearline	One tape library (of four) will be powered down for hardware maintenance (replacement of tape import/export module).	Access to tapes in the affected library will be blocked until the system returns to service. Users staging data may see delays in accessing data until the library is back online.	hpssadmin@ncsa.illinois.edu	Work was completed with some delay (scheduled to complete by 0930) due to a failed SD card (used for storing and loading library geometry).
2018-06-27 9:00	2018-06-27 1:00	LSST - k8s lsddev	kub001 unplanned reboot and kub004 ran out of memory.	lsddev JupyterHub	lsst-admin@ncsa.illinois.edu	Nodes/Services rebooted. Kubernetes pods restarted.
2018-06-27 08:30	2018-06-27 11:49	Slack	Slack is reporting connectivity issues on their status page (https://status.slack.com/)	Slack	feedback@slack.com	Slack reports, "workspaces should be able to connect again"
2018-06-23 19:44	2018-06-23 19:59	Blue Waters Scratch Filesystem	Top of Rack network switch died in rack 8. Cray onsite and performed a work around and will replace Monday. Sonexion rack 28 lost mind and was rebooted.	Partial scratch outage of ost169-179	bw-admin@illinois.edu tbouvet	bypassed faulty switch, rack 28 sonexion rebooted, faulty switch replaced Monday 25th.
2018-06-21 -- 1200hrs	2018-06-23 -- 1045hrs	Blue Waters Nearline Endpoint	Due to very high demand for data retrieval from Nearline, a pause rule is in effect to allow manual task scheduling. You may submit tasks as normal and they will be run as quickly as possible.	Tasks submitted to Globus will start in a paused state but will be released to run, at the earliest possible time, based on resource availability.	hpssadmin@ncsa.illinois.edu	Many tasks were pushed through the system by manually ordering them to reduce tape drive competition. Endpoint pause rule removed and all tasks resumed.
2018-06-21 08:00	2018-06-21 09:35	LSST	Monthly maintenance (June): <ul style="list-style-type: none">• pfSense firewall update• OS package updates/reboots for CentOS 6.9 servers (lsst-web, lsst-xfer, lsst-nagios)• Slurm update (lsst-dev01, lsst-verify-worker*)• Update host firewalls on GPFS servers• iDRAC configuration updates on lsst-dev01 and ESXi hosts	CentOS 6.9 servers: <ul style="list-style-type: none">• lsst-web• lsst-xfer• lsst-nagios Slurm/verification cluster Other impact was not expected but unexpected issues could have lead to connectivity issues for other hosts or downtime for lsst-dev01 or hosted VMs	lsst-sysadm@ncsa.illinois.edu	Maintenance was completed
2018-06-20 14:00	2018-06-20 19:00	Campus Cluster	Rolling reboot of the core IO servers to move GPFS from 4.2.3.8 to 4.2.3.9 for CentOS 7.5 support; No downtime occurred	Successful Upgrade	set@ncsa.illinois.edu	Cluster now supports CentOS 7.5 clients
2018-06-18	2019-06-20 7pm	Nebula	Nebula was shut down to fix broken filesystems.	All Nebula services	nebula@ncsa.illinois.edu	Nebula is up and running again. Please contact nebula@ncsa.illinois.edu if you still see issues.
2018-06-19 08:00	2018-06-19 12:00	LSST L1 Test Stand	Scheduled Maintenance: <ul style="list-style-type: none">• BIOS firmware updates• Puppet and firewall changes (including support of SAL unicast /multicast traffic)• OS package updates (staying with CentOS 7.4)	Level One Test Stand, including: <ul style="list-style-type: none">• lsst-daq• lsst-l1-*	lsst-sysadm@ncsa.illinois.edu	Maintenance completed successfully
2018-06-18 07:00	2018-06-18 09:30	vSphere & Various VMs	Two of our hosts went down with network interface errors.	Multiple VMs hosted on those nodes (incl. Fileserver, ncsa-print, and subversion)	help+its@ncsa.illinois.edu	Both hosts are back online as well as all VMs
2017-06-16 22:18:32	2017-06-17 08:10:00	cforge	PBSPPro server was hung on cfsched	Job scheduling and job submission were failing.	Jim Long	restarted PBSPPro server on cfsched
2018-06-15 1330hrs	2018-06-15 1530hrs	Blue Waters Nearline	Replacement of a tape robot transporter	This work is not expected to impact operations. The library system will continue to operate with a single transporter but mount times may be somewhat longer until the second unit is returned to service.		hpssadmin@ncsa.illinois.edu
2018-06-12 04:30	10:00	Blue Waters	Thunderstorms have resulted in a power interruption. This outage impacts both the compute nodes and all filesystems. Therefore, a full reboot will be necessary. Return to service is estimated to be approximately 10 am Central time.	Blue Water in total		Full reboot
2018-06-12 ~03:45	2018-06-12 ~06:00	Campus Cluster	Many compute nodes rebooted. No system on UPS was affected, and some compute nodes remained up. Facilities at ACB report that there were no power events this morning or last night, but this seems the most likely cause.	Many compute nodes, but not all. Jobs on the nodes that rebooted were lost.	help@campuscluster.illinois.edu	Nodes rebooted at a similar time, and many returned in a state unsuitable to run jobs. Rebooting in smaller groups got everything working again.
2018-06-12 ~03:40	2018-06-12 ~06:30	iForge	A storm caused a brief power event which impacted: <ul style="list-style-type: none">• big_mem queue• skyake queue	All nodes in the big_mem and skyake queues were rebooted by the power event.		Nodes rebooted on their own and were marked back online in the scheduler by around ~6:30am.

2018-06-12 -03:40	2018-06-12 09:00	LSST	Storm caused power event which impacted: <ul style="list-style-type: none"> Kubernetes Commons / lsst-lspdev 75% of verification cluster compute / Slurm 	The following nodes rebooted because of the power event: <ul style="list-style-type: none"> all kub* nodes (causing outage of Kubernetes Commons / lsst-lspdev) 75% of verify-worker* nodes (partial outage of Slurm / verification cluster compute nodes) 	lsst-sysadm@ncsa.illinois.edu	<ul style="list-style-type: none"> verify-worker nodes were put back online in Slurm around 06:10 Kubernetes Commons resumed service by around 09:00
2018-06-11 08:30	2018-06-11 8:35	Campus Cluster ADS	Vlan changes on campus cluster	campus cluster - Active data storage (ADS)	help+neteng@ncsa.illinois.edu	Maintenance completed successfully
2018-06-07 06:30	2018-06-07 14:00	Blue Waters	The boot node crashed requiring the system to be rebooted. File system and ESLogins remain up.	All running jobs were lost, no new jobs were started until system is return to service, Torque was updated to ver. 6.1.2.		bw-admin@ncsa.illinois.edu
2018-06-01 00:50	2018-06-01 03:50	Blue Waters	/var space filled up by additional logging in Moab to troubleshoot job slide issue.	PBS server went down due to no space in /var	bw-admin@ncsa.illinois.edu	Zippped and moved old Moab logs to lustre file system to free up /var space, then restarted PBS server.
2018-05-31 14:00	2018-05-31 14:10	NCSA Open Source	Retirement of both HipChat and FishEye/Crucible	Services will be shutdown and archived.		Services are disabled and will be archived in a month.
2018-05-31 08:00	2018-05-31 11:55	NCSA ITS vSphere vCenter	ITS vSphere vCenter server will be upgraded to the latest VMware vCenter 6.7	All VMs will remain online during the maintenance, but management through vCenter will be offline during the upgrade.	help+its@ncsa.illinois.edu	Successful upgrade to VMware vCenter 6.7.
2018-05-23 06:55	2018-05-24, 1900hrs	Campus Cluster File System	A failure of both disk array controllers serving the CC file systems resulted in abrupt loss of access to the underlying storage. One array controller was identified as broken while the storage system was brought back up on the remaining controller for inspection and analysis. A thorough check of the file systems and storage devices was started. At 1100hrs May 24th the replacement array controller arrived and was installed. After further testing to assure system stability, the file systems were brought back online and released to the cluster admins.	All campus cluster file systems		Normal cluster operations were resumed. Investigation into the root cause is ongoing with the cooperation of the system manufacturer.
2018-05-21	DNS1/2	There were a few reports of intermittent DNS lookups failures /slowness		Firewall state tables resources were being exhausted. Limits for those state tables have been increased. This appears to have resolved the problem.	help+neteng@ncsa.illinois.edu	No further reports of the issue, after making the adjustment.
2018-05-24 10:55am	2018-06-24 11:08am	ifsm.ncsa.illinois.edu System is being upgraded and rebooted	No services should be affected	yum upgrade and reboot		
2018-05-17 8:00	2018-05-17 15:00	NPCF-Core-East	The hardware and firmware on the core east router was be upgraded	Traffic rerouted through npcf-core-west during the maintenance window. There was an unexpected outage for about 10 mins which impacted network connectivity throughout NCSA.		Upgrade on core-east was completed successfully. No further network outages are expected.
2018-05-09 7:00	2018-05-09 17:40	dns1.ncsa.illinois.edu	Enabling BIND on ipv6 and enabling a firewall on the server	No impact is expected.		Maintenance was completed.
2018-05-17 08:00	2018-05-17 13:30	LSST	Monthly maintenance (May): <ul style="list-style-type: none"> GPFS server & client updates, plus nosuid mounting Physical firewall changes in NPCF for new vLANs BIOS firmware updates OS updates Update of puppet-stdlibs module 	All systems (except lsst-daq, lsst-l1-*, & tus-ats01) were unavailable for maintenance.		Maintenance was extended until 13:30 and then completed. External Grafana monitoring (monitor-ncsa.lsst.org) was offline until 14:25 due to storage rebuild on lsst-monitor01.
2018-05-17 10:13	2018-05-17 10:18	Core Outage	During core router maintenance the incorrect core router was powered off.	Network connectivity across NCSA was affected.		The core router was powered back on, verified and brought back into service.
2018-05-16 08:00	2018-05-16 17:40	Campus Cluster	Monthly maintenance (May) <ul style="list-style-type: none"> GPFS upgrade to 4.2.3.8 FW upgrade on Juniper switches OS updates Add 4 more 40G cables for ccioe nodes for redundancy 	Entire system was unavailable for maintenance.		Maintenance complete, all tasks complete.
2018-05-16 1100 hrs	2018-05-16 1300hrs	ADS	Planned Campus Cluster network upgrades also impacted access to ADS	All ADS storage exports became unreachable		Eric has notified us that the networking maintenance is complete and ADS customers are able to access their storage again.
21 Mar 2018	14 May 2018	openxdmod.ncsa.illinois.edu	An update to Torque broke the updates of XDMoD. openxdmod.ncsa.illinois.edu was offline while the system it resided on was updated, all the dependency software was installed, and the latest version of XDMoD was installed. Then all the data had to be re-imported.	Software updating		Service restored with updated software.
2018-05-08 0000	2018-05-09 0015	NCSA Storage Condo	One node ran out of memory, causing a deadlock in GPFS. During deadlock recovery, GPFS shut down on multiple nodes. Upon restart of the cluster, a different metadata server had a check on its PCI bus, forcing another unmount. All file systems but one were recovered. While recovering the last one, one of the Roger NetApp storage arrays started throwing errors, requiring a power cycle of the controller and disks, prompting a final recovery of the last file system.	Condo file systems and services.		All file systems recovered and services restored.
2018-05-08 07:00	2018-05-08 07:40	iForge	Quarterly Maintenance (20180508 Maintenance for iForge)	All systems were unavailable during the maintenance.		Planned maintenance completed successfully
2018-05-08 8:00	2018-05-09 8:00	NPCF-Core-West	The hardware and firmware on the core router will be upgraded	Traffic will be rerouted through npcf-core-east during the maintenance window. No impact is expected.		The hardware and firmware was upgraded on npcf-core-west without incident. Traffic has been successfully failed back.
2018-05-03 08:45	2018-05-03 10:15	NCSA WIKI, JIRA, services that rely on NCSA LDAP	Large amount of connections from two particular servers were hitting LDAP, causing the slow-down that in term caused timeouts for various applications using LDAP authentication. Blocking the culprit servers remedied the situation	NCSA WIKI, NCSA JIRA, other applications that rely on NCSA LDAP authentication.		Culprit servers were blocked
9:00am	9:25am	syslog-sec.ncsa.illinois.edu	out of cycle patching of Security Syslog collectors to address CVE-2018-1000140	Load balance fail over to secondary collector, RELP will be buffered.		relay-01 was updated and loadbalancer failed back.

4/25 14:00	4/25 15:00	MREN WAN Circuit	WAN circuit testing.	Traffic will be re-routed over an alternate peering during the test period.		The MREN circuit was brought back in to production.
2018-04-24 12:30	2018-04-24 16:00	NCSA jabber service	jabber was down while we repaired its authorization configuration.	jabber.ncsa.illinois.edu wasn't accepting jabber logins		jabber working again.
2018-04-24 0 9:10	2018-04-24 0 9:50	LSST	increased LDAP timeout to 60 seconds in sssd.conf to fix problems with long login times and failure to start batch jobs	kub*, verify-worker*		sssd.conf updated, sssd restarted verify-worker nodes were drained during the change affected nodes may have slow LDAP response times for a short while (due to local cache needing rebuilt)
04/18 /2018 10:30	04/18 /2018 11:30	ICCP April Maintenance	Replaced 4x10G links from cc-core0 to carne. Updated BIOS on remaining parts of Cluster nodes.	No outage.		Completed without any outage.
04/18 /2018 10:30	04/18 /2018 11:30	ICCP core switches	One of the 4x10G links from cc-core0 to carne had incrementing errors and has been administratively down to prevent those errors from affecting traffic. There was a scratched fiber that earlier diagnosis had revealed, so we replaced the fiber during this ICCP PM.	Nothing, all traffic rerouted through cc-core1		The errors are still incrementing, but we've narrowed down the remaining options for what might be going on.
4/12 0930	4/12 1830	ADS NFS/Samba	The ESXi Hypervisor server had an error on it: 'A PCI error requiring a reboot has occurred.'	ADS NFS/Samba/Gridftp		The server was rebooted, the error cleared and all systems/services were restarted.
4/11 03:00 p.m.	4/11 03:15 pm	Netact	Netact code was updated. Going forward new office activation names will have "-ofc" appended to them.	No service impact to Netact.		Change was successfully implemented. Netact remained in service during and after the change.
4/11 9:00	4/11 10:00	LSST NPCF Firewall	Primary firewall will be upgraded to use FRR instead of openBGP.	No impact is expected. The firewalls do not need to be failed over and no interruption in traffic flow is anticipated.		Firewall was successfully migrated. No downtime occurred.
4/10 17:00	4/10 18:00	dns1.ncsa.illinois.edu	OS Patching and BIND updates	dns1 (secondary DNS server) will be rebooted to apply patches. DNS2 will remain up.		DNS1 OS patching is completed. BIND was upgraded to 9.11. BIND is only bound currently to its ipv4 interface.
4/10 15:00	4/10 16:00	dns2.ncsa.illinois.edu	OS Patching and BIND updates	dns2 (secondary DNS server) will be rebooted to apply patches. DNS1 will remain up. An IPv6 address will also be added to system in preparation for a broader IPv6 DNS rollout.		DNS2 OS was patched. BIND was upgrade to 9.11. IPv6 Address was also enabled on the server and BIND is listening on that address.
4/04 /2018 16:00	4/04 /2018 17:00	MREN WAN Circuit	Port Move	Traffic will be re-routed over an alternate peering during the maintenance.		The port was moved and the circuit was brought back into service without issue.
04/04 /2018 16:17:00	04/04 /2018 16:42:00	LDAP	LDAP process crashed	Authentication to LDAP-backed services		LDAP was upgraded and restarted
4/04 /2018 16:00	4/04 /2018 17:00	MREN WAN Circuit	Port Move	Traffic will be re-routed over an alternate peering during the maintenance.		The port was moved and the circuit was brought back into service without issue.
	3/29 /2018 17:00	MREN WAN Circuit	WAN circuit testing.	Traffic will be re-routed over an alternate peering during the test period.		Testing was completed and the circuit was brought back into service.
2018-03-21 08:00	2018-03-21 17:30	Campus Cluster manage server and compute nodes except DES and MWT2	Deploying new management server, upgrading to Torque 6.1.2 and Moab 9.1.2. Bios update. Configuration changes on GPFS servers. Tech Service CARNE code upgrade.	Scheduler down. User access disabled		New management server is up with Centos7. Installed Torque 6.1.2 and Maob 9.1.2. Bios update are done on most nodes. Configuration changes on GPFS done. Tech services CARNE code upgrade done.
2018-03-16 1:00pm	2018-03-16 5:45pm	ISDA + NCSA OpenSource	Security patches of VM servers as well as backend filesystem Updates of Bamboo, JIRA, Confluence, BitBucket and CROWD	All systems will be unavailable for a brief period of time. During updates of OpenSource services part of OpenSource will be offline for up to an hour.		Updated fileserver (brief struggle with zfs and kernel updates). Updates of proxmox servers, Updated JIRA, Confluence, ButBucket and CROWD. Bamboo will be done later this weekend.
2018-03-12 9:00am	2018-03-12 5:00pm	Nebula Openstack cluster	Security and filesystem patches	All instances and Nebula services were unavailable		Filesystem updates and security patches were applied. Filesystem is more responsive, but ~20 instances are repairing from problems that occurred before the outage.
2018-03-15 12:20	2018-03-15 16:20	LSST	Lingering issues on select nodes following March PM	<ul style="list-style-type: none"> lsst-qserv-master01 - cannot mount local /qserv volume lsst-xfer - issue w/ sshd lsst-dts - issue w/ sshd lsst-l1-cl-dmcs - unknown issue lsst7 - issue w/ sshd 		Following resolved by 13:23: <ul style="list-style-type: none"> lsst-qserv-master01 lsst-xfer lsst-dts lsst-l1-cl-dmcs Resolved by 16:20: <ul style="list-style-type: none"> lsst7
2018-03-15 08:00	2018-03-15 12:20	LSST	March maintenance: <ul style="list-style-type: none"> GPFS server updates and configuration of additional NFS/Samba services Urgent Firmware updates Increase size of /tmp on lsst-dev01 Hardware maintenance/memory increases on select servers/VMs Release of refactored Puppet code for NCSA 3003 servers OS updates Recabling servers in NCSA 3003 to new switches 	All systems were unavailable for maintenance.		Completed and most systems back online. Lingering issues for lsst-qserv-master01, lsst7, lsst-xfer, lsst-dts, and lsst-l1-cl-dmcs are being tracked in a separate status event.

2018-03-14 12:00	2018-03-14 12:35	Remote Access VPN	An issue with authentication for the VPN has occurred.	Any new connections will not be established. Existing connections are unaffected.		Authentication services were restored.
2018-03-09 10:08am	2018-03-09 11:00am	Campus Cluster	According to IBM, cc-mgmt1 was a culprit on halting communication across the cluster during the GPFS snapshot process.	User can't login or access to filesystem.		Rebooted cc-mgmt1 and restarted services (RM & Scheduler).
2018-03-09 06:05	2018-03-09 08:00	public-linux, www.ncsa.illinois.edu , & evnts.ncsa.illinois.edu	A routine kernel upgrade resulted in failure of the OpenAFS client on these servers.	OpenAFS storage was unavailable on these servers, resulting in the website failures.		Resolved. Packages were updated and OpenAFS reinstalled.
2018-03-07 15:00	2018-03-07 16:10	LSST	qserv-db12 had one failed drive in the OS mirror replaced but the other was presenting errors as well so the RAID could not rebuild. The Qserv system would have been unavailable during this maintenance.	qserv-db12		The node was taken down for replacement of the 2nd disk, to rebuild the RAID in the OS volume, and to reinstall the OS.
2018-03-07 14:00	2018-03-07 14:40	ESnet Peering	The connection servicing our direct peering with ESnet will be moved during this window.	Connections will be rerouted over a redundant peering. No service impact is expected.		The connection was successfully migrated and the peering with ESnet was brought back into service without issue.
2016-03-06 0100	2016-03-06 1040	WAN Connectivity Degraded	The router servicing several of our WAN connections is currently in a degraded state.	Traffic has been gracefully rerouted. No user facing connectivity issues have been reported.		Graceful failover to the backup routing engine cleared a fault condition and affected peerings were re-established.
2018-02-27 07:15	2018-02-27 09:10	Campus Cluster scheduler	Scheduler become unresponsive	Job submission & starting new jobs		Rebooted the node, restarted RM & Scheduler.
2018-02-26 06:00	2018-02-27 01:35	All Blue Waters Services	Security Patch CLE, SU26 Lustre patch	All Blue Waters resources are unavailable		Blue Waters returned to service at 1:35AM 27th Feb, with HPSS returned earlier at 10PM 26th Feb.
2018-02-23 16:30	2018-02-23 16:30	Kerberos Admin service	KDC configuration was modified to allow creation of service principles that can create and modify host and service principles.	kadmin service was unavailable for 1 second while new config was read.		We can now delegate to group or users the ability to create and manage host keys and service principles.
2018-02-23 08:00	2018-02-23 09:00	LSST Puppet Changes	Rolled out significant logic and organization of the Puppet resources in NCSA 3003 data center in order to standardize between LSST Puppet environments at NCSA. We had done extensive testing and did not expect any outages or disruption of services.	No interruption of services. Changes being applied to: lsst-dev01, lsst-dev-db, lsst-web, lsst-xfer, lsst-dts, lsst-demo, L1 test stand, DBB test stand, elastic test stand.		Updated successfully with no interruption of availability or services.
2018-02-21 13:30	2018-02-22 00:39	ESnet 100G Peering Down	There is a suspected fiber cut between Urbana and Peoria on ICCN optical equipment. Our 100G direct WAN path to ESnet rides over this optical path and is thus currently down. The fiber vendor has identified the source of the problem (high water caused the fiber to be pulled out of a splice case)	Nothing. All traffic destined for ESnet or resources that would normally take the ESnet WAN path will reroute through our other WAN paths		Repaired.
2018-02-21 08:00	2018-02-21 20:00	Campus Cluster	Campus Cluster February Maintenance 1. Applying security patches & OFED upgrade 2. Testing/tuning metadata performance 3. Troubleshoot/upgraded code on cc-core switches	All systems were unavailable		Completed partially and following items are reschedule for next maintenance. 1. Deploying new scheduler (due to a system stability) 2. Upgrading Torque 6.1.2 and Moab 9.1.2 (not enough time for testing after release) 3. Maintenance on CARNE router (bug in the code)
2018-02-05 10:45	2018-02-21 13:30	ICCP Networking - Outbound	A hardware failure on one of the two core switches for ICCP caused that switch to enter a degraded service mode and eventually fail completely. This was also combined with software bugs that caused looping of packets between the two cores in the MC-LAG. The other core was still functioning properly and was providing connectivity for all ICCP/ADS/DES systems normally for the duration of the degraded service time period. A hardware replacement RMA was initiated. The hardware came in but the hardware alone did not fix the issue. We then waited until a ICCP PM where we could test things without interruption of service and we upgraded the code and put in some bug mitigation configuration changes. These things combined solved the issues.	Nothing as far as production. During the period where cc-core0 was down, aggregate bandwidth outbound was 40Gbps instead of the normal 80Gbps.		As of now the cores are both in production and stable.
2018-02-16 12:00	2018-02-16 12:30	IPSEC VPN	The appliance servicing various IPSEC VPN connections was patched.	Nothing		Patch was successful utilizing the failover capability of the VPN cluster to mitigate any service interruptions
2018-02-15 08:00	2018-02-15 13:00	LSST	February maintenance: <ul style="list-style-type: none">Updating GPFS mounts to access new storage applianceRewire 2 PDUs at NCSA 3003Switch stack configuration changes at NCSA 3003Routine system updatesFirewall maintenance NPCFUpdates to system monitoring	All systems were unavailable.		Completed and all systems back online.
2018-02-13 08:00	2018-02-06 09:00	Certificate System Firewall 2	Upgrade software to current production version. No interruptions to service expected	CA services		FW upgraded - services were interrupted due to failed routing service.
2018-02-13 06:00	2018-02-13 06:30	AnyConnect VPN	Patches are being applied to the AnyConnect VPN appliance	Access to the NCSA AnyConnect VPN will be unavailable.		The VPN has been patched and client connections have been re-established.
2018-02-10 02:00	2018-02-10 10:35	Campus Cluster	GPFS snapshot hang and lock the filesystem	All systems were inaccessible. Lost running jobs.		Gather information for IBM, bounce the filesystem and reboot the cluster
2018-02-06 07:00	2018-02-06 17:35	iForge	Quarterly Maintenance (20180206 Maintenance for iForge)	All Systems were unavailable during the maintenance.		Planned maintenance completed successfully
2018-02-06 08:00	2018-02-06 09:00	Certificate System Firewall 1	Upgrade software to current production version. It is expected that current connections will be interrupted and a retry will be required.	<ul style="list-style-type: none">cilogon.orgidp.ncsa.illinois.eduidp.xsede.orgNCSA TFCA MyproxyXSEDE Myproxy		<ul style="list-style-type: none">Completed

2018-02-01 16:30	2018-02-01 16:45	sslvpn.ncsa.illinois.edu	We are rebooting our VPN appliances to mitigate a critical security vulnerability that allows for remote code execution exploits. That vulnerability is described here: https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20180129-asa1	Certain Industry partners' site-to-site VPNs		VPN rebooted without incident. Service was restored at 4:34PM.
2018-02-01 16:30	2018-02-01 16:45	vpn.ncsa.illinois.edu	We are rebooting our VPN appliances to mitigate a critical security vulnerability that allows for remote code execution exploits. That vulnerability is described here: https://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20180129-asa1	Certain Industry partners' site-to-site VPNs and the NCSA remote access VPN service will be down during the maintenance. Any users connected to the NCSA VPN at the time of the maintenance will lose connectivity.		VPN rebooted without incident. Service was restored at 4:34PM.
2018-01-29 10:05	2018-01-29 10:10	LSST verify worker nodes and lsst-dev	A network flap on the LSST network caused GPFS ejection of some nodes. Network and security is investigating	a few of the LSST nodes for 2-5 minutes and 2 jobs		Qualys scan time frame changed and investigatino continues.
2018-01-29 12:27	2018-01-29 12:31	NCSA Jabber service	Jabber service was restarted to install a new SSL certificate.	NCSA Jabber was down momentarily		NCSA Jabber restarted with new SSL certificate
2018-01-26 13:00	2018-01-26 13:15	LSST NFS service slowdown	A cron for lenovo system cleanup was run, and caused the lenovo box to shutdown services. The NFS service was starved.	lsst-dev NFS showed stale mounts		cron deleted, and re-written.
Wed 1/24 /2018 13:35	Wed 1 /24 /2018 14:55	LSST NFS service	We were notified by NCSA security team that there was a stale NFS mount on one of the LSST test nodes. NFS services stopped working	All NFS mounts for LSST systems such as lsst-demo and lsst-SUI were not working		NFS server was rebooted.
Tue 1/23 /2018 23:00	Wed 1 /24 /2018 01:25	Condo storage services	Hit a known bug in GPFS 4.2.0.4 for quota management.	All Condo services from 11pm to 1:25 am		Need to upgrade to a newer level of GPFS, but for now we have lowered frequency of the check_filesset_inodes script
2018-01-22 07:00	2018-01-22 13:05	Blue Waters Compute Nodes	Blue Waters compute nodes were bounced to resolve issues caused by previous home file system outage (due to bad OST)	Compute nodes were down, scheduler was paused.		Compute nodes were bounced successfully and returned to full service.
2018-01-21 08:42	2018-01-21 11:30	Netsec-vc switch stack - FPC 4	Switch member 4 of the netsec switch stack was down. Severe filesystem corruption occurred on the primary partition.	Any hosts connected to member 4 of that switch that were not redundantly connected to other switches in the stack.		The switch was repaired by doing a full reformat/reinstall of JunOS. Everything is back into production.
2018-01-20 22:00	2018-01-21 0300	Condo file systems	Bringing the Roger disk into the condo, commands executed from the Roger GPFS servers caused the cluster to arbitrate for GPFS servers.	All condo file systems mounted on nodes.		The SSH configuration was changed on the Roger GPFS servers to include the Condo GPFS server IP's. All file systems were returned to normal with no other problems and no remounts required.
2018-01-18 17:00	2018-01-19 15:00	ISDA Hypervisors, NCSA Open Source	Hypervisor updates.	All systems were down for short amount of times as hypervisors rebooted		All patches applied.
2018-01-18 00:00	2018-01-18 24:00	Campus Cluster	Copying all data to new filesystem. Deploying new Storage (14K). Dividing cluster into two (IB & Ethernet). Upgrading GPFS to 4.2.3.6. Deploying new management node and new image server (if time permit). Applying Security patches to compute nodes(no FW update at this time).	All systems unavailable.		New Storage System was brought online, additional capacity and performance was added.
2018-01-18 18:40	2018-01-18 23:00	LSST	LSST Firewall outage in NPCF. Both pfSense firewalls were accidentally powered off.	PDAC (Qserv & SUI) and verification clusters were inaccessible, as well as introducing GPFS issues across many services, e.g. lsst-dev01.		The pfSense firewall appliances were power cycled and services restored.
2018-01-18 12:58	2018-01-18 14:10	Code42 Crashplan backup system	Code42 Crashplan server were upgraded to latest JDK and Code42 6.5.2.	Clients were unable to perform restores or push files into backup archive from roughly 13:35 - 13:55		Code42 servers are now running latest security updates to the crashplan service.
2018-01-18 08:00	2018-01-18 10:00	LSST	Monthly OS updates, network switch updates, firmware updates, etc.	All dev systems unavailable. Qserv and SUI nodes will remain available.		COMPLETE
2018-01-17 10:35	2018-01-17 13:00	RSA Authentication Manager Servers	Upgraded to Authentication Manager 8.1sp1p7	No systems should have seen any impact		Latest security patches are applied.
2018-01-12 06:00	2018-01-12 10:00	Decommission NCSA Rocket.chat	The old NCSA Rocket.chat service was shutdown.	Any archived conversations or content are no longer be available to users.		NCSA Rocket.chat service was shutdown and redirected to NCSA @ Illinois Slack .
Friday, Jan 12th, 00 00-0600 CST	Internet2	Engineers from Internet2 will be migrating our BGP peering with I2's Commercial Peering Service (CPS) to a new location. Small disruptions may occur with the maintenance for the CPS service, but no user traffic disruptions should occur.	None, Alternatives routes are present.	none		Maintenance was completed successfully.
2018-01-11 08:00	2018-01-11 13:30	LSST	Critical patches on lsst-dev systems (incl. kernel updates).	All systems unavailable.		COMPLETE
Thursday, Jan 11th, 0000 CST	Thursday, Jan 11th, 0400 CST	Connectivity to Internet2 and backup LHCONE peerings - ICCP and MWT2 respectively	Engineers from Internet2 performed maintenance that affected certain BGP peerings that exist on the device that is ICCP/MWT2's upstream router, CARNE. Specifically, both the 100G Internet2 peering and the Internet2 LHCONE peering on CARNE were disrupted during this timeframe. MWT2 currently gets to LHCONE through CARNE's ESnet peering, which was fully functional. They also were able to get to UChicago through CARNE's OmniPoP 100G peering. As for ICCP, traffic to/from Internet2 based routes rerouted through the ICCN.	Nothing was reported to be service impacting by this maintenance from neither ICCP nor MWT2.		Successful maintenance was completed.
2018-01-08 10:47	2018-01-08 11:30	Nebula	Storage nodes lost networking	All nebula instances		Storage nodes were brought back online, instances were rebooted
2018-01-02 09:00	2018-01-05 17:00	Nebula	Nebula was shut down for hardware and software maintenance from January 2nd, 2018 at 9am until January 5th, 2018 at 5pm. Spectre and Meltdown patches were applied, as well as all firmware updates, OS/distribution updates, and the filesystem was upgraded.	All systems were unavailable.		Faster system that is now homogenous, so OpenStack upgrades are now possible.

2018-01-04 17:00	2018-01-05 20:00	Blue Waters	One OST hosting the home file system has three drives failed simultaneously.	Portion of home file system (with data on the affected OST) are not accessible.		Repair works were carried out on the failed OST. Scheduler continued to operate but restricting only jobs not affected by the failed OST to start. Full operation resumed after successful recovery of the failed OST.
2017-12-20 08:00	2017-12-20 10:00	LSST	(1) Firewall maintenance (08:00-09:00) and (2) migration of NFS services (08:00-10:00).	Firewall maintenance: There should be no noticeable effect but scope of service includes most systems at NPCF (including PDAC, SUL, and Slurm/batch/verify nodes). Migration of NFS services: SUL and lsst-demo* nodes.		Maintenance completed without issues.
2017-12-14 06:00	2017-12-14 20:30	LSST	Monthly OS updates, network switch updates, firmware updates, etc.	All systems unavailable.		All systems back online. We ran into issues with the policy based routing on the LSST aggregate switches in NPCF that caused the outage to be extended longer than planned.
2017-12-13 09:00	2017-12-13 11:00	JIRA Upgrade	Upgraded JIRA to version 7.6 from 7.0	NCSA Jira		Successfully upgraded
2017-12-13 06:30	2017-12-13 07:39	NCSA Jabber	Attempted to upgrade Openfire XMPP jabber software.	NCSA Jabber was unavailable during the upgrade.		The upgrade failed. Jabber is available, but still running the old version. The upgrade will be rescheduled.
2017-12-11 10:00	2017-12-11 16:00	Unused AFS fileserver were upgraded to 1.6.22	After moving all volumes to servers updated on 2017-12-07, the now unused AFS servers were upgraded to OpenAFS 1.6.22.	No impact to other systems as they were unused at the time they were upgraded.		All of NCSA's afs cell is running on OpenAFS 1.6.22
2017-12-09 03:00	2017-12-09 07:42	BlueWaters Portal	The BlueWaters portal software crashed. Automated monitoring processes did not restart it correctly.	The BlueWaters portal website was unavailable.		The BlueWaters portal service was manually restarted and the website is available.
2017-12-09 1000hrs	2017-12-09 1400hrs	Globus Online (Globus.org)	Please be advised that the Globus service will be unavailable on Saturday, December 9, 2017, between 10:00am and 2:00pm CST while we conduct scheduled upgrades. Active file transfers will be suspended during this time and they will resume when the Globus service is restored. Users trying to access the service at globus.org (or on your institution's branded Globus website) will see a maintenance page until the service is restored.	All NCSA Globus endpoints.		
2017-12-07	2017-12-07	Unused AFS file servers were upgraded to 1.6.22	Three unused AFS fileserver were upgraded to the latest 1.6.22 release of OpenAFS	No impact to other systems as they were unused.		These AFS fileserver can no longer be crashed by malicious clients.
2017-12-07	2017-12-07	AFS database servers were upgraded to 1.6.22	The three database servers were upgraded to the latest 1.6.22 release of OpenAFS	No modern clients noticed the staggered updates.		These servers can no longer be crashed by malicious clients.
2017-12-05 16:00	2017-12-05 16:20	dhcp.ncsa.illinois.edu	NCSA Neteng will be migrating the DHCP server VM to Security team's VMware infrastructure.	- Hosts on the NCSAnet wireless network might be impacted. - Any activated hosts that might be on the roaming range might be impacted. + Illinoisnet and Illinois_Guest wireless will be available at ALL times. + Wired network connection will be available throughout the maintenance window.		Maintenance was completed successfully and services are running as expected.
2017-12-02 09:30	2017-12-02 11:45	NCSA opensource	Upgrade of Bamboo, JIRA, Confluence, BitBucket FishEye, and CROWD	Sub services of opensource can be down for a short time.		All services upgraded and running as normal.
2017-11-20 18:21	2017-11-29 14:30	ROGER OpenStack cluster	I/O issues highlighted that GPFS CES NFS servers probably shouldn't run 400+ days without reboot	ROGER's OpenStack and the various services which were hosted therein, including JupyterHub Server		reboot of all nodes, including CES servers as well as the reboot of all hypervisors (with the fallout being one node required fsck and second reboot and another node/hypervisor is still unavailable) cleared most of the problems. I/O contention was felt as many instances were simultaneously attempting to start /restart. Instances that were housed on the unavailable node are being migrated to another hypervisor
2017-11-21 9:00	2017-11-22 14:00	Open Source ISDA servers	Update the fileserver that hosts VM's all the XEN servers.	NCSA Open Source unavailable Most of ISDA servers unavailable		Network issues delayed updates All hosts updated and everything back to normal.
2017-11-21 16:00	2017-11-21 16:40	Code42 Crashplan	The Code42 crashplan infrastructure was upgraded to version 6.5.1 to apply security and performance improvements	Clients transparently reconnected to servers after they restarted		Now running on Code42 version 6.5.1
2017-11-20 9:00	2017-11-20 16:38	Nebula Openstack cluster	Nebula OpenStack cluster was unavailable for emergency hardware maintenance. A failing RAID controller from one of the storage nodes and a network switch were replaced.	Not all instances were impacted. Running Nebula instances that were affected by the outage were shut down, then restarted again after we finished maintenance.		Nebula is available. No additional maintenance is needed for Tuesday, November 21.
2017-11-16 16:46	2017-11-20 12:40	NCSA JIRA	JIRA wasn't importing some email requests properly after the NCSA MySQL restart.	Some email sent to JIRA via help+ addresses wasn't being imported.		JIRA is now accepting email and all email sent while it was broken has now been imported as expected.
2017-11-16 08:30	2017-11-16 13:30	BW LDAP Master (Blue Waters)	Scheduled maintenance	Updated LDAP lustre quotas to bytes and add archive quotas. IDDS will track and drive quota changes with acctd.		Production continued w/o interruption. BW LDAP master was isolated, lustre quotas changed to bytes with the addition of archive quotas. Replicas pulled updates w/o error.
2017-11-16 14:30	2017-11-16 16:52	Internal website (MIS Savanah)	A database table used by MIS tools became corrupted.	The website would become unresponsive every time the corrupted database table was accessed.		OS kernel and packages were updated during debugging. The MIS database table was restored and the website came back online.

2017-11-16 16:46	2017-11-16 16:48	NCSA MySQL	The NCSA MySQL server had to be restarted in order to delete the corrupted table used by MIS.	All services that use MySQL were down during the outage. This includes: Confluence, JIRA, RT, and lots of websites		MySQL was restarted successfully.
2017-11-16 0800	2017-11-16 1200	LSST	Monthly OS updates, plus first round of Puppet technical debt changes (upgrading to best design & coding practices)	All systems unavailable from 0800 - 1000 hrs. GPFS unavailable from 0800 - 1000 hrs. PDAC systems unavailable from 0800 - 1200 hrs.		Completed. OS kernel and package updates. Slurm upgrade to 17.02.
2017-11-15 13:30	2017-11-15 15:10	RSA Authentication Manager	RSA Authentication Manager were patched to fix cross site scripting vulnerabilities and other fixes	Nothing was affected by the update		RSA Authentication Manager is running 8.2 SP1 P6. Process worked as expected.
2017-11-15 - 13:30	2017-11-15 - 14:30	BW 10.5 Firewall Upgrade Part 2	The normal active, "A" unit, NCSA BW 10.5 Firewall will be upgraded and then normal fail-over status will be re-enabled.	The possibility of connection resets when the A unit comes back from being upgraded and state is being synced.		Completed, process worked as expected.
2017-11-14 11:27	2017-11-14 11:33	LDAP	LDAP was unresponsive to requests.	Several services hung while authentication was unavailable.		LDAP services were killed and restarted.
2017-11-05 02:15	2017-11-06 17:11	ROGER Hadoop /Ambari	cg-hm12 and cg-hm13 took minor disk failures which crashed the node	Ambari was effectively off-line		rebooted node, and node ran fsck as part of its startup sequence, node booted properly
2017-10-31 17:22	2017-11-03 17:00	ROGER hadoop /ambari	hard drive failures on cg-hm10 and cg-hm17	certain ambari services and HDFS		cg-hm17 returned to service after power cycle and reboot, cg-hm10's hard drive didn't respond to a reboot
2017-11-11 16:58	2017-11-11 19:09	Blue Waters	Water leak from XDP4-8 causing high temperature to c12-7 and c14-7.	EPO on c12-7 and c14-7.		Scheduler was paused to place system reservations on compute nodes in affected cabinets, then resumed.
2017-11-10 14:00	2017-11-10 14:45	NCSA Open Source	Upgrade of the following software: Bamboo, JIRA, Confluence, and BitBucket	Updates will happen in place and will result in minimal downtime of components.		completed, minimal interruption of service
2017-11-10 - 08:00	2017-11-10 - 08:30	CA Firewall Upgrade - B unit	the stand-by, "B" unit, NCSA Certificate Service Firewall will be upgraded to same version as A unit.	Expect no impact to services		completed, no interruption of service
2017-11-08 16:30	2017-11-08 17:30	Netdot	netdot.ncsa.illinois.edu was migrated to Security's VMware infrastructure.	During the downtime users weren't able to activate or deactivate their network connections via Netact.		Migrated successfully. Netdot is up and running.
2017-11-08 06:00	2017-11-08 15:00	ITS vSphere vCenter	ITS vSphere was upgraded to the latest version of VMware vCenter. New access restrictions were also be put into place.	All VMs remained online during the maintenance, but management through vCenter was offline during the upgrade.		Upgrade completed successfully.
2017-11-08 09:30	2017-11-08 10:00	BW 10.5 Firewall Upgrade Part 1	the stand-by, "B" unit, NCSA BW 10.5 Firewall will be upgraded and then traffic redirected through it for load testing before the "A" unit is upgraded	Expect no impact to services		Upgrade completed successfully. Some states were reset when traffic switched to the B unit.
2017-11-07 7:00	2017-11-07 18:37	iForge	quarterly maintenance Update OS image. Update GPFS to version 4.2.3-5 Redistribute power drops. Update TORQUE. BIOS updates.	iForge (and associated clusters)		All production systems are back in service
2017-11-07 - 13:30	2017-11-07 - 15:00	CA Firewall Upgrade Part 2	The normal active, "A" unit, NCSA Certificate Service Firewall will be upgraded and then normal fail-over status will be re-enabled.	The possibility of connection resets when the A unit comes back from being upgraded and state is being synced.		Completed upgrade
2017-11-06 15:28	2017-11-06 15:53	Blue Waters	EPO happened to c12-7 and c14-7.	HSN quiesced.		Scheduler was paused to place system reservations on compute nodes in affected cabinets, then resumed.
2017-11-03 16:21	2017-11-03 16:32	LDAP	LDAP was unresponsive to requests.	Several services hung while authentication was unavailable.		LDAP services were killed and restarted.
2017-11-02 09:00	2017-11-02 16:00	LSST	LSST had a GPFS server that was down and had failed over to the other server for NFS.	The GPFS client's failed over automatically, and we manually failed over the NFS in the morning.		NFS exports were moved to an independent server. IBM was at NCSA and is continuing to debug the problems.
2017-10-31 17:11	2017-11-01 11:13	LSST	GPFS degraded/outage	most NCSA-hosted LSST resources experienced degraded GPFS performance hosts with native mounts (PDAC) experienced an outage		A deadlock at 17:11 yesterday temporarily caused slow performance. Then one GPFS server went offline at 18:21 and services failed over. NFS mounts (qserv/sui) were reported as hanging by a user at 09:12 today but may have been degraded over night. Affected nodes were rebooted and NFS mounts recovered by 11:13. IBM is onsite diagnosing issues with the GPFS system and ordering repairs (including a network card on one server).
2017-10-31 15:30	2017-10-31 16:00	LSST	GPFS outage	most NCSA-hosted LSST resources native mounts (e.g., lsst-dev01, verify-worker*) and NFS mounts (e.g., PDAC)		All disks in the GPFS storage system went offline temporarily and came back online by themselves. NFS services were restarted. Client nodes all recovered their mounts on their own. Logs have been sent to the vendor for analysis.
2017-10-31 - 13:30	2017-10-31 - 14:30	CA Firewall Upgrade Part 1	the stand-by, "B" unit, NCSA Certificate Service Firewall will be upgraded and then traffic redirected through it for load testing before the "A" unit is upgraded	Expect no impact to services		Upgrade completed successfully. Some states were reset when traffic switched to the B unit.

2017-10-30 18:36	2017-10-31 00:46	LSST	GPFS outage	most NCSA-hosted LSST resources native mounts (e.g., lsst-dev01, verify-worker*) and NFS mounts (e.g., PDAC)		GPFS servers were rebooted. lsst-dev01 and most of the qserv-db nodes were also rebooted. Native GPFS and NFS mounts were recovered. May have been (unintentionally) caused by user processes but will continue to investigate..
2017-10-25 22:00	2017-10-26 11:20	LSST	full/partial GPFS outage	full outage for GPFS during 22:00 hour on 2017-10-25 outage for NFS sharing of GPFS (for qserv, sui) continued through the night full outage for GPFS recurred 2017-10-26 around 08:44		All GPFS services and mounts have been restored.
2017-10-26 09:04	2017-10-26 09:04	Various buildings across campus, including NPCF and NCSA	Issue with an Ameren line from Mahomet caused a bump/drop/surge in power that lasted 2ms	LSST had approximately 20 servers at both NPCF and NCSA buildings reboot		Was a momentary issue with minimal effect to most systems
2017-10-26 00:00	2017-10-26 08:00	ICCP	gpfs_scratch01 was filled by a very active user	Additional space in scratch wasn't available		Out of cadence purge was run to free 2TB, users jobs held in scheduler; user contacted
2017-10-25 06:00	2017-10-25 14:05	Blue Waters	Security Patching of CVE-2017-1000253 security vulnerability.	Restricted access to logins, scheduler and compute nodes. HPSS and IE nodes are not affected.		System was patched. Logins hosts are made available at 9am. The full system is returned to service at 14:05.
2017-10-24 09:50	2017-10-24 20:10	LSST	Network outage / GPFS outage	All LSST nodes from NCSA 3003 (e.g., lsst-dev01/lsst-dev7) and NPCF (verify-worker, PDAC) that connect to GPFS (as GPFS or NFS) lost their connections. All LSST nodes at NPCF lost network during network stack troubleshooting and replacement of 3rd bad switch.		A 3rd bad switch was discovered and replaced. All nodes have network and GPFS connectivity once again.
2017-10-23 08:00	2017-10-24 05:00	Campus Cluster	Campus Cluster October maintenance.	Total outage of the cluster.		Replaced core ethernet switches from share services pod. Run new ethernet cables for share services pod. Moved DES rack from share services pod to ethernet only pod. Deployed new image with patched.
2017-10-21 17:15	2017-10-23 17:45	LSST	First one then two public/protected network switches went down in racks N76, O76 at NPCF	Mostly qserv-db[11-20] and verify-worker[25-48]; there was also shorter outage for qserv-master01, qserv-dax01, qserv-db[01-10], all of SUI, and the rest of the verify-worker nodes.		Two temporary replacement switches were swapped in. Maintenance and/or longer-term replacement switches is being procured for the original switches.
2017-10-18 13:00	2017-10-18 14:00	Networking	Replaced a linecard in one of our core switches due to hardware failure.	Any downstream switches were routed through the other core switch.		All work was completed successfully.
2017-10-19 08:00	2017-10-19 21:30	LSST	Outage and migration of qserv-master01: provisioning of new hardware, copying of data from old server to new.	qserv-master01 (and any services that depend on qserv-master01, which may include services provided by qserv-db*, qserv-dax01, and sui*)		UPDATE (2017-10-19 15:15) OS install took much longer than anticipated, completed at 15:00. Data sync is started. Extending outage till 22:00. Completed
10-19 08:00	2017-10-19 12:00	LSST	Routine patching and reboots, pfSense firmware updates (NPCF), Dell server firmware updates (NPCF).	All NCSA-hosted resources except for Nebula.		Maintenance completed successfully. (qserv-master migration is ongoing, see separate status entry)
2017-10-18 14:45	2017-10-18 15:35	Campus Cluster	Restart of resource manager failed after removing all block array jobs.	Job submission		Opened case with Adaptive (#25796). Found more array jobs and bad jobs in jobs directories. Removed all of those.
2017-10-15 08:15	2017-10-15 08:30	Open Source	Emergency upgrade of Atlassian Bamboo.	Bamboo will be down for a few minutes during this outage window.		Bamboo upgraded to the latest version.
2017-10-14 22:15	2017-10-14 23:35	Campus Cluster	Scheduler crash	Job submission		Opened case with Adaptive, run diag and uploaded the output along with the core file. Restarted the moab.
2017-10-14 13:00	2017-10-14 15:23	Campus Cluster	Resource manager crash	Job submission		Applied patch from Adaptive, which help with faster recovery. Suspend /block all current and new array jobs until we have a resolution.
2017-10-06 09:00	2017-10-11 01:00	Nebula	Gluster and network issues	1) Gluster sync issues continue from 2017-10-05's Nebula incident. 2) At approximately 2017-10-06 16:10, a Nebula networking issue (unrelated to the Gluster issues) occurred resulting in host network drops within the Nebula infrastructure. This internal networking incident resulted in additional gluster and iscsi issues. Many instances are broken because iSCSI is broken from the Nebula network issues. And any instances that were broken because of gluster are still broken.		All instances have been restarted and are in a state for admins to run. Some mounted file systems might require a fsck to verify. If there are other issues please send a ticket. As the file system continues to heal we may see slower interaction.
2017-10-10 16:30	2017-10-10 19:10	Campus Cluster	Resource manager crash	Job submission		After removing problematic jobs from queue and we were able to restart the RM. Opened the case with Adaptive and forwarded those job scripts and core files.
2017-10-05 14:00	2017-10-05 17:00	Nebula	Gluster sync issues	One of the gluster storage servers within Nebula had to be restarted.		Approximately 100 VM instances experienced IO issues and were restarted.

2017-10-06 08:00	2017-10-06 17:00	NCSA direct peering with ESnet	A fiber cut between Peoria and Bloomington caused our ESnet direct peering to go down.	All traffic that would have taken the ESnet peering rerouted through our other WAN peers. As such there were no reported outages of connectivity to resources that users would normally access via this peering		The fiber cut has been repaired and the peering has been re-established.
2017-10-06 08:00	2017-10-06 10:00	LSST	Kernel and package updates to address various security vulnerabilities, including the PIE kernel vulnerability described in CVE-2017-1000253 . This will involve an upgrade to CentOS 7.4 and updates to GPFS client software on relevant nodes.	All NCSA-hosted LSST resources except for Nebula (incl. LSST-Dev, PDAC, and verification/batch nodes) will be patched and rebooted.		Maintenance completed successfully. Pending updates to a couple of management nodes (adm01 and repos01) and one Slurm node that is draining (verify-worker11).
2017-10-4 07:40	2017-10-4 09:55	Campus Cluster	Resource Manager crash	Job submission		Failure on initial restart attempt. After looking through the core, decided to try a restart again without any change. This time it worked.
2017-10-03 13:00	2017-10-03 19:00	Campus Cluster	Resource Manager crash	Job submission		After removing ~30 problematic jobs from queue and we were able to restart the RM. Opened the case with Adaptive and forwarded those job scripts and core files.
2017-09-21 02:57	2017-09-21 09:40	Storage server (AFS, iSCSI, web, etc)	The parchment storage server stopped responding on the network.	<ul style="list-style-type: none"> Several websites were down, including the following: www.ncsa.illinois.edu, cybergis.illinois.edu, nationaldataservice.org, etc iSCSI storage mounted to fileserver went offline. Several AFS volumes, including some users' home directories were offline. 		Replaced optical transceiver on the machine and networking restarted. Also updated kernel and AFS.
2017-09-20 08:00	2017-09-20 13:45	Campus Cluster	September Maintenance	Total cluster outage		Maintenance completed successfully.
2017-09-20 08:00	2017-09-20 11:30	NCSA Storage Condo	Normal maintenance --Firmware upgrade on Netapps so new disk trays could be attached for DSIL	total file system outage		The quarterly maintenance was complete
2017-09-18 11:20	2017-09-18 13:30	Active Data Storage	RAID Failure in NSD server and disk failure on secondary NSD server.	ADS service was unavailable		Recovered RAID configuration on NSD server and replaced failed disk on secondary NSD. ADS restored.
2017-09-15 06:20	2017-09-15 09:28	public-linux	OpenAFS storage was not running or mounted after rebooting to a new kernel.	AFS storage was not available from this server		Reinstalled the dkms-openafs package restarted the openafs-client. AFS is now working as expected.
2017-09-10 09:45	2017-09-10 11:30	NCSA Open Source	Upgrade of Bamboo, JIRA, Confluence, BitBucket, FishEye, Crowd	During the upgrade the services will be unavailable for a short amount of time.		All services upgraded successfully.
2017-08-31 11:07	2017-08-31 11:11	NCSA LDAP	NCSA LDAP Timeouts	NCSA LDAP was overloaded and timing out. Users were not able to authenticate via NCSA LDAP during that time.		NCSA LDAP stopped timing out at 11:11 am and authentication resumed.
2017-08-28 11:55	2017-08-28 12:59	NCSA GitLab	NCSA GitLab server ran out of disk space for the OS	The web interface at https://git.ncsa.illinois.edu wasn't working		Web interface is now working. Space freed up by clearing CrashPlan caches.
2017-08-24 13:00	2017-08-24 14:30	netact.ncsa.illinois.edu	Transient config issues from some system patching caused apache to not be able to start on the netact server	Network Activation		The issues were fixed and Network Activation is working again
2017-08-24 08:00	2017-08-24 15:30	LSST	Rack upgrades in NCSA 3003	Most LSST Developer services offline during upgrade		All LSST systems are back online with new racks and switches
2017-08-24 08:00	2017-08-24 09:30	LSST	monthly maintenance for NPCF (includes patching to address CESA-2017-1789 and CESA-2017-1793)	adm01, backup01, bastion01, monitor01, object*, qserv*, sui*, verify-worker*, test0*		Maintenance was successfully completed.
2017-08-23 09:21	2017-08-23 16:50	aForge/iForge	gpfs failed during an upgrade of GPFS on the iforge storage nodes. There was an IB hiccup at the time, but causality is unclear	all jobs on iforge were aborted, gpfs clients needed to be upgrade, all gpfs client nodes were rebooted		iForge went production shortly before 5:12pm. aforge went "production" at ~1630
2017-08-22 20:00	2017-08-22 30:00	Patching DHCP service	Patching OS and services on DHCP1.	Will need to reboot DHCP server a few times during this process. During the time dhcp will be unavailable. This is during the evening so I don't expect any direct issues from this.		Patching has been completed.
2017-08-16 08:00	2017-08-16 16:00	Campus Cluster	August Maintenance	Scheduler and resource manager down		Upgraded Moab 9.1.1 and Torque 6.1.1.
2017-08-16 08:00	2017-08-16 09:15	None	Replace Line Card in Core Switch	I believe all systems connected to this switch, are multithomed and will not experience an outage.		The line was has been successfully replaced.
2017-08-16 00:30	2017-08-16 02:30	Blue Waters	Two cabinets (c10 & c11) had EPO due to XDP control valve failure.	Scheduler was paused to isolate failing parts, resumed at 2:09.		Parts replaced and cabinets were returned to service.
2017-08-08 7:00	2017-08-09 3:00	iforge/cdforge/aforge	Update OS image to RH 6.9 Update GPFS to version 4.2.3-2 Redistribute power drops	All four clusters were updated.		All items on checklist completed. 20170808 Maintenance for iforge
2017-08-03 06:45	2017-08-03 07:35	NCSA Jabber upgrade	Upgraded Openfire XMMP jabber software	NCSA Jabber was unavailable during the upgrade.		Jabber was upgraded to the latest version of Openfire
2017-07-28 17:00	2017-07-31 evening		Update - All of the production data has been migrated except for the largest object table. That is loading now, then the user space will be loaded. Should all hopefully be done by this evening. Migration of operational database to new hardware happening during the weekend.	DES old operational database		migration done successfully. Some other maintenance tasks that will give DES additional disk space was done, too and some performance improvements.
2017-07-27 11:00	2017-07-28 15:00	netact.ncsa.illinois.edu	The netact.ncsa.illinois.edu network activation server VM needed to be restored from backup	Network Activation service		The service has been fully restored

2017-07-25 02:36	2017-07-25 18:00	Campus Cluster / Scheduler down	Blip on mgmt1 causing GPFS drop and scheduler to crash	Scheduler offline		Still taking long time for Scheduler to initialize but jobs can start and run as usual. Opened case with Adaptive.
2017-07-20 09:00	2017-07-20 17:00	ROGER Ambari and OpenStack	Updates to openstack control node and the Ambari cluster	Ambari nodes (cg-hm08 - cg-hm18), OpenStack instances and servers		Openstack was back in service on time. Ambari had issues mounting hdfs was held out of service. HDFS was remounted on 25 July
2017-07-20 06:00	2017-07-20 10:00	All NCSA hosted LSST resources	Monthly OS patches (addressing issues including CESA-2017:1615 and CES A-2017:1680). Roll-out updated puppet modules. Batch nodes updated firmware.	All nodes in NCSA 3003 and NPCF (batch nodes) will reboot.		Overall success. Exceptions: verify-worker31 failed a firmware update and is out of comission (LSST-914) and there are connectivity issues for some VMs used by the NCSA DM team (IHS-365). adm01, backup01, and test[09-10] will be patched in the near future.
2017-07-19 08:00	2017-07-19 14:44	Campus Cluster	July Maintenance (applied security patch)	Cluster wide, except mwt2 nodes		Applied new kernel, glibc, bind patches and newest NVIDIA driver.
2017-06-29 1800	2017-06-30 0000	Blue Waters	Emergency maintenance to apply security patch addressing Stack Guard security vulnerability.	Compute, Login, Scheduler are offline.		Kernel and glibc library patched on all affected system.
2017-06-22 0800	2017-06-22 1200	All NCSA hosted LSST resources	CRITICAL kernel and package updates to address Stack Guard Page security vulnerability.	Systems will be patched and rebooted.		Outage was extended to last past 1000 until 1200. Systems were successfully patched as planned except for qserv-db12 and qserv-db27, which will not boot. We will follow up on those with a ticket.
2017-06-22 0800	2017-06-22 0930	LSST cluster nodes (verify-worker*, qserv*, sui*, bastion01, test*, backup01)	Deploy Unbound (local caching DNS resolver)	DNS resolving may have a short (~30 mins) delay.		Successfully deployed and all tests (including reverse DNS and intra-cluster SSH) pass.
2017-06-20 0930	2017-06-20 1100	Bluwaters	XDP shutting down causing EPO on cabinet c1-7 and c2-7.	Scheduler was paused to isolate the failing components, then resumed.		Warmswap of failing components, and returned them to service.
2017-06-20 0900	2017-06-20 1000	NCSA Open Source	Security upgrade needed for Bamboo, will also update the following components: Bamboo, JIRA, Confluence, BitBucket, FishEye	Most of the subcomponents of NCSA opensource will be down for a short time when the software is updated.		Upgraded Bamboo, JIRA, Confluence, BitBucket, FishEye to latest versions
2017-06-16 0900	2017-06-16 1100	ROGER Openstack nfs backend failed and was restarted	The primary CES server for the openstack backend failed and tried to fail over to the secondary server, which also failed. SET was notified and they had the CES nfs service back up by 1100	The RoGER openstack dashboard went down and needed a restart. Several VM's experienced "virtual drive errors" and will need to be restarted		SET is still investigating the cause of the GPFS CES service failover. CyberGIS is working with their users to get the affected VM's restarted
2017-06-15 0800	2017-06-15 0930	LSST cluster nodes (verify-worker*, qserv*, sui*, bastion01, test*, backup01)	Deploy unbound	DNS resolving may have a short (~30 mins) delay.		Updates deployed successfully via new puppet module. All tests passed. EDIT 2017-06-15 1500 - Reverse DNS not working, which broke ssh to qserv* nodes. Disaabled unbound.
6/14 /2017 8:00 a.m.	6/14 /2017 10:00 p. m.	Network Core Switch	Network Engineering will be replacing a line card in one of our Core switches due to hardware issue.	All services should remain active. Any affected switch will have a second redundant link to the other core to pass traffic.		Line card was successfully replaced.
2017-06-08 12:00	2017-06-11 22:20	Campus Cluster (scheduler paused)	Disk Enclosure 3 failure on DDN 10K.	Lost redundancy and force us to drain the cluster.		Repair/replacement for controller can be time consuming so we took action to rebalance data out of failed enclosure. Scheduler was resumed as of 22:00.
2017-06-07 12:07	2017-06-07 12:42	NCSA LDAP	The NCSA LDAP service crashed	NCSA LDAP service was unavailable		LDAP software and OS were updated and server rebooted. LDAP is working normally.
2017-05-31 20:06	2017-05-31 20:36	NCSA LDAP	The NCSA LDAP service was timing out	NCSA LDAP service was unavailable		The root cause of LDAP timeouts is still being investigated.
2017-05-22	2017-05-26	Campus Cluster VMs	Network issue ESXI (hypervisor) Boxes after maintenance	Could no longer able to login to start VMs. License Server, nagios, all MWT2 VMs were down		The issue is fixed on 5/24. Restored license and Nagios service on 5/24. Moved MWT2 VMs to Campus Farm. All VMs return to service as of noon 5/26.
5/12 /2017	5/18 /2017	Condo/NFS partitions only	the NFS partition for the condo became extremely unstable after a replication (normal daily maintenance) was completed. Many iterations with FSCK and IBM on the phone got it resolved, and then 1.5 days restoring files that had been put in Lost and found.	UoIf library was switched to the READONLY version on the ADS during this time		The root cause is still being investigated.
2017-05-23 14:05	2017-05-23 14:13	NCSA LDAP	The NCSA LDAP service was timing out	NCSA LDAP service was unavailable		The issue is still being investigated, but seems to be steadily available since the incident.
2017-05-22 15:41	2017-05-22 15:51	idp.ncsa.illinois.edu oa4mp.ncsa.illinois.edu	Apache Tomcat out of memory	InCommon/SAML IdP and OIDC authentication services were unavailable.		Service restored by failing over to secondary server while memory is being increased on primary server.
05/20 /2017 21: 09	05/20 /2017 23:37	DES nodes on Campus Cluster	Could not communicate outside the switch	All nodes connected to switch in POD22 Rack2 @ACB		Upgraded the code on the switch resolved the issue.
05/20 /2017 05: 00	05/20 /2017 21:09	Campus Cluster and Active Data Storage (ADS)	Total power outage at ACB	All systems currently reside at ACB		Power was restored around 13: 00hrs. We rotated ADS rack to align with Campus Cluster Storage Rack. Changed couple of VLAN IDs to reflect campus for future merger. ESXI boxes are down due to a configuration error after reboot. No major issue from output of FSCK from scratch02.

05/17 /2017 02: 00	05/17 /2017 10: 45	Internet2 WAN connectivity	Intermittent WAN connectivity. The outage was a result of Tech Services' DWDM system, which provides us with our physical optical path up to Chicago via the ICCN. Specifically, the Adva card that our 100G wave is on was seeing strange errors, which was causing input framing errors for traffic coming in on this interface.	General WAN connectivity to XSEDE sites, certain commodity routes, and other I2 AL2S connections.		The Adva card was rebooted and we stopped seeing the input framing errors. Tech Services is working with Adva to find the root cause of the issues on the card.
5/11 /2017	5/12 /2017	ESnet 100G connection	NCSA and ESnet will be moving their 100G connection to a different location in Chicago.	We have several diverse high speed paths to ESnet and DOE, traffic will be redirected to a secondary path.		
2017-05- 11 06:45	2017-05- 11 07:33	NCSA Jabber upgrade	Upgraded Openfire XMPP jabber software	NCSA Jabber was unavailable during the upgrade.		Jabber was upgraded to the latest version of Openfire
2017-05- 09 07:00	2017-05- 09 18:15	iForge, GPFS, License Servers	iForge Planned Maintenance	iForge systems, including the ability to submit/run jobs.		Pm was completed early at 1815
2017-05- 06 22:00	2017-05- 06 23:00	NCSA Open Source	Upgrades of Atlassian software	NCSA Open Source BitBucket		BitBucket is upgraded.
2017-05- 06 09:00	2017-05- 06 10:00	NCSA Open Source	Upgrade of Atlassian Software	Most services hosted at NCSA Open Source were down for 5 minutes during rolling upgrades.		The following services were upgraded: HipChat, Bamboo, JIRA, Confluence, FishEye and CROWD.
2017-05- 05 17:43	2017-05- 05 20:02	ITS vSphere	A VM node panicked	Several VMs died when the node panicked and were restarted on other VM nodes. This included LDAP, JIRA, Help/RT, SMTP, Identity, and others.		All affected VMs were restarted on other VM nodes. Most restarted automatically.
2017-04- 27 18:10	2017-04- 27 18:55	Campus Cluster	Another GPFS interruption	Both Resource Manager and Scheduler went down along with hand full of compute nodes.		Restarted the RM and Scheduler and rebooted all down nodes.
2017-04- 27 13:11	2017-04- 27 14:20	Nebula	glusterfs crashed due to this bug , so no instances could access their filesystems	All instances running on Nebula		Needed to reboot the node that systems were mounting from, but took the opportunity to upgrade all gluster clients on other systems while waiting for a reboot. Version 3.10.1 fixes the bug. All instances with errors in their logs were restarted.
2017-04- 27 11:20	2017-04- 27 12:45	Campus Cluster	GPFS interruption	Both Resource Manager and Scheduler went down.		Torque serverdb file was corrupted. Restore the file from this morning snapshot and modified the data to match the current state.
2017-04- 26 12:00	2017-04- 26 18:30	Condo	A bug in the delete of a disk partition from GPFS. a problem within GPFS	DES, Condo partitions, and Uofl Library.		Partitions had been up for 274 days, and many changes. The delete partition bug caused us to stop ALL operations on the condo and repair each disk through GPFS. Must have quarterly maintenance. Just too complicated to go a year without resetting things.
2017-04- 19 16:54	2017-04- 20 08:45	gpfs01, iforge	Filled-up metadata disks on I/O servers caused failures on gpfs01.	iforge clusters, including all currently running jobs.		Scheduling on iForge was paused for the duration of the incident. Running jobs were killed. 13% metadata space was freed. Clusters were rebooted and scheduling resumed.
2017-04- 19 08:00	2017-04- 19 13:00	Campus Cluster	Merging xpacc data and /usr/local back to data01 (April PM)	Resource manager and Scheduler were unavailable during the maintenance.		Once again, /usr/local, /projects /xpacc and /home/<xpacc users> are mounting from data01. No more split cluster.
2017-04- 04 (1330)	2017-04- 04 (1600)	Networking	Some fiber cuts caused a routing loop inside one of the campus ISP's network.	Certain traffic that traversed this ISP would never make the final destination. Some DNS lookups would have also failed.		Campus was able to route around the problem, and the ISP also corrected their internal problem. The cut fiber was restored last night.
2017-03- 28 (0000)	2017-03- 29 (1600)	LSST	NPCF Chilled Water Outage	LSST - Slurm cluster nodes will be offline during the outage. All other LSST systems are expected to remain operational.		No issues. Slurm nodes restarted.
2017-03- 28 (0000)	2017-03- 29 (0230)	Blue Waters	NPCF Chilled Water Outage	Full system shutdown on Blue Waters (except Sonexion which is needed for fsck)		FSCK done on all lustre file systems, XDP piping works done (no leakage found), Software updates (PE, darshan) completed.
2017-03- 25 10:15PM	2017-03- 26 00:08AM	Blue Waters	BW scratch MDT failover, df hangs	BW scratch MDT failover, load on mds was 500+ delayed failover. Post FO had some issues that delayed RTS.		scheduler was paused
2017-03- 25 4pm	2017-03- 25 8Ppm	Blue Waters	BW login node ps hang	rebooted h1-h3, lost bw/h2ologin DNS record, had neteng recreate the record. Had to rotate login in and out of round-robins until all rebooted. User email sent (2).		Logins nodes rebooted DNS round-robin changes
2017-03- 23 (1000)	2017-03- 23 (1500)	Nebula	NCSA Nebula Outage	Nebula will take an outage to balance and build a more stable setup for the file system. This will require a pause of all instances, and Horizon being unavailable.		File system online and stable. At this time all blocks were balanced and healed.
2017-03- 16 (0630)	2017-03- 16 (1130)	LSST	LSST monthly maintenance	GPFS filesystems will go offline for entire duration of outages. Some systems may be rebooted, especially those that mount one or more of the GPFS filesystems.		
2017-03- 15 15:11	2017-03- 15 16:01	Blue Waters	Failure on cabinet c9-7, affecting HSN.	Filesystem hung for several minutes.		Scheduler was paused for 50 minutes. Warmswap cabinet c9-7. Nodes on c9-7 are reserved for further diagnosis.

2017-03-15 09:00	2017-03-15 12:47	Campus Cluster	UPS work at ACB. Reshuffling electrical drops on 10k controllers, storage IB switches and some servers.	Scheduler will be paused for regular jobs. MWT2 and DES will continue run on their nodes.		UPS work at ACB - incomplete (required additional parts) Redistributing power work done. Scheduler was paused for 3hrs 50 mins.
2017-03-10 13:00	2017-03-10 18:00	Campus Cluster	ICCP - We lost 10K controllers due to some type of power disturbance at ACB.	ICCP - Lost all filesystem and its a cluster wide outage.		Recovered missing LUNs and rebooted the cluster. Cluster was back in service at 18:00.
2017-03-09 0900	2017-03-09 1500	Roger	ROGER planned PM	batch, hadoop, data transfer services & Ambari		system out for 6hrs, DT services out until 0000
2017-03-08 19:41	2017-03-08 22:41	Blue Waters	XDP powered off that served the four cabinets (c16-10, c17-10, c18-10, c19-10).	scheduler paused, four rack power cycled. moab required a restart, too many down nodes and iterations were stuck.		Scheduler paused three hours
2017-03-03 1700	2017-03-03 2200	Blue Waters	BW hpss emergency outage to clean up db2 database	ncsa#nearline, stores are failing with cache full		Resolved cache full errors
2017-02-28 1200	2017-02-28 1250	Campus Cluster	ICC Resource Manager down	User can't submit new jobs or start new jobs		Remove corrupted job file
2017-02-22 1615	2017-02-22 1815	Nebula	Nebula Gluster Issues	All Nebula instances paused while gluster repaired		Nebula is available.
2017-02-11 1900	2017-02-11 2359	NPCF	NPCF Power Hit	BW Lustre was down, xdp heat issues.		RTS 2017-02-11 2359
2017-02-15 0800	2017-02-15 1800	Campus Cluster	ICC Scheduled PM	Batch jobs and login nodes access		