Monthly Reporting

Report from 01 October 2023 to 31 October 2023

Report for Resource Pool Archer2 on archer2

A total of 4,356,760 CUs were available during this period.

Use and Allocations (by Project)

In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend profile of the total Allocation. If the usage for a project is not linear across the full Allocation period the the Use can be larger than the extrapolated Allocation.

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e645	Leadership Awards	25	1,754.9		1,754.9		·	
e760	Leadership Awards	105	2,364.7		2,370.7	0.05%		
e786	Leadership Awards	5	76.6		76.6			
e787	Leadership Awards	32	6,646.5		6,646.5			
e683	Pioneer Projects	294	2,825.9		2,825.9		·	
e685	Pioneer Projects	62	61.6		7,592.9			
e686	Pioneer Projects	1,286	24,348.6		26,769.4		·	
e687	Pioneer Projects	203	4,797.1		4,797.1	0.11%		0.50%
e688	Pioneer Projects	175	17,987.8		18,023.4			
e689	Pioneer Projects	28	1,902.7		1,902.7		·	
e690	Pioneer Projects	15	7,332.1		8,622.5			
e691	Pioneer Projects	60	95,513.7		101,749.5			
e692	Pioneer Projects	30	14,257.7		15,956.6		·	
e731	Pioneer Projects	168	9,741.4		9,799.3			
e744	Pioneer Projects	208	17,535.6		17,565.0		·	
e808	Pioneer Projects	181	7,877.9		7,893.6	0.18%	·	
e809	Pioneer Projects	13	86.0		86.0			
e810	Pioneer Projects	410	12,200.1		12,497.9			
e812	Pioneer Projects	0	0.0		0.0		·	
e813	Pioneer Projects	550	13,412.3	0.31%	16,633.2	0.38%	23,395.6	
e814	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	7,957.7	0.18%

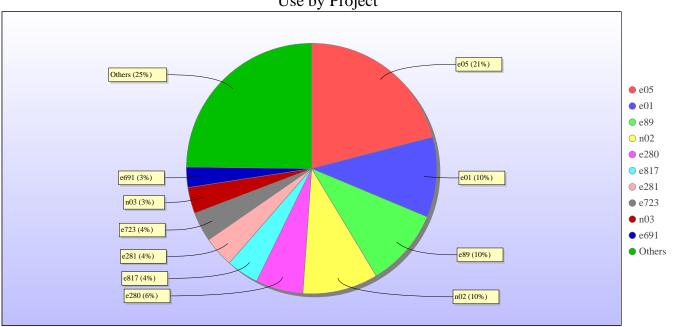
B815	Allocation
B817	3 0.48%
e348 Class1a 5,095 13,842.5 0.32% 13,851.5 0.32% 20,310. e677 Class1a 0 0.0 0.0% 0.0 0.0% 60.0 0.0% 666% 8,529. e607 Class1a 1,229 15,823.0 0.36% 28,759.6 0.66% 8,529. e609 Class1a 1,327 1,471.7 0.03% 10,729.9 0.25% 24,694. e643 Class1a 281 12,175.1 0.28% 12,433.8 0.29% 25,410. e647 Class1a 595 3,957.6 0.09% 3,957.7 0.09% 25,717. 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,577.0 0.09% 2,578.3 0.01% 2,783.4 0.01% 0.00% 0.00% 0.00% 0.00%	5 1.77%
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e607	8 0.47%
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ec110 Class1a 0 0.0 0.00% 0.00 0.00 1,187.	
e01 Consortia 2,860 334,326.4 7.67% 400,505.4 9.19% 415,845.	
e05 Consortia 26,295 661,717.3 15.19% 811,544.1 18.63% 938,095.	
e89 Consortia 26,576 378,259.1 8.68% 390,260.3 8.96% 374,777.	
e280 Consortia 5,303 152,921.9 3.51% 236,649.6 5.43% 253,539.	
e281 Consortia 3,318 117,060.7 2.69% 153,359.6 3.52% 110,835.	
e283 Consortia 6,513 66,090.5 1.52% 66,107.1 1.52% 67,137.	
e772 Consortia 5,545 25,542.8 0.59% 25,547.5 0.59% 76,061.	
e773 Consortia 276 8,234.9 0.19% 8,428.5 0.19% 30,033.	
e718 Pump Priming 6 0.9 0.00% 0.9 0.00% 0.	
e788 Pump Priming 0 0.0 0.00% 0.0 0.00% 519.	
e790 Pump Priming 0 0.0 0.00% 0.0 0.00% 574.	
e791 Pump Priming 0 0.0 0.00% 0.0 0.00% 544.	
e792 Pump Priming 33 154.4 0.00% 154.4 0.00% 544.	
e794 Pump Priming 0 0.0 0.00% 0.0 0.00% 678.	
e805 Pump Priming 0 0.0 0.00% 0.0 0.00% 648.	
e811 Pump Priming 0 0.0 0.00% 0.0 0.00% 671.	
e818 Pump Priming 0 0.0 0.00% 0.0 0.00% 674.	
e819 Pump Priming 0 0.0 0.00% 0.0 0.00% 674.	
e823 Pump Priming 0 0.0 0.00% 0.0 0.00% 629.	
e824 Pump Priming 173 278.8 0.01% 278.8 0.01% 671.	
e825 Pump Priming 0 0.0 0.0% 0.0 0.00% 197.	
e826 Pump Priming 0 0.0 0.00% 0.0 0.00% 197.	
e837 Pump Priming 75 344.7 0.01% 344.7 0.01% 582.	
ta120 Training 0 0.0 0.0% 0.0 0.00% 114.	
ta124 Training 0 0.0 0.00% 0.0 0.00% 19.	
ta125 Training 14 0.8 0.00% 0.8 0.00% 19.	
ta126 Training 4 0.0 0.00% 0.0 0.00% 19.	

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
ta127		63	331.5		1,058.6		305.3	
	Access to HPC	39	10,266.5	0.24%	10,266.5		5,397.5	
	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,784.9	0.09%
	Access to HPC	0	0.0	0.00%	0.0		3,121.3	
	Access to HPC	222	850.6		850.6	0.02%	3,991.3	0.09%
	Access to HPC	179	5,161.7	0.12%	5,347.3		10,187.5	
	Access to HPC	20	158.0	0.00%	158.1	0.00%	1,696.8	0.04%
	Access to HPC	1,367	42,979.0	0.99%	43,967.5		11,602.1	0.27%
	Access to HPC	3	0.0	0.00%	18.9	0.00%	0.3	0.00%
	Access to HPC	126	770.1	0.02%	770.1	0.02%	26,054.6	0.60%
	Access to HPC	22	10,486.3	0.24%	10,486.3		7,448.3	0.17%
	Access to HPC Access to HPC	502	4,256.1	0.10% 0.21%	4,256.1	0.10%	10,524.8	0.24% 0.39%
	Access to HPC	121	9,111.4 521.1		9,279.4 521.1	0.21% 0.01%	16,866.7	
	Access to HPC	7 8	695.4	0.01% 0.02%	12,984.7	0.01%	6,227.2 7,590.0	0.14% 0.17%
	Access to HPC	0	0.0	0.02%	0.0	0.30%	843.3	0.17%
	Access to HPC	53	8,321.8		8,321.8		5,947.9	0.02%
	Access to HPC	260	1,169.4	0.19%	1,169.4	0.19%	3,373.3	0.08%
	Access to HPC	1	480.1	0.01%	480.1	0.01%	796.5	
	Access to HPC	165	2,846.9		2,846.9		11,186.1	0.26%
	Access to HPC	50	7,450.2		7,450.2	0.17%	11,415.3	0.26%
	Access to HPC	235	2,036.0	0.05%	2,088.9	0.05%	8,381.3	
	Access to HPC	80	5,613.3	0.13%	6,477.5	0.15%	6,746.7	0.15%
	Access to HPC	0	0.0	0.00%	0.0		6,800.6	
	Access to HPC	1	2.5	0.00%	2.5	0.00%	5,060.0	0.12%
	Access to HPC	25	147.1	0.00%	147.1	0.00%	843.3	0.02%
e800	Access to HPC	83	10,078.0	0.23%	10,078.0	0.23%	5,060.0	0.12%
e801	Access to HPC	72	770.9	0.02%	770.9	0.02%	14,049.9	
e802	Access to HPC	9	0.0	0.00%	7.4	0.00%	4,135.0	0.09%
e803	Access to HPC	0	0.0	0.00%	0.0	0.00%	2,266.9	0.05%
e804	Access to HPC	77	2,664.0	0.06%	2,664.0	0.06%	11,132.0	0.26%
e806	Access to HPC	150	3,114.4	0.07%	3,184.8	0.07%	3,530.1	0.08%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,645.4	0.04%
	Access to HPC	62	23,710.7	0.54%	23,710.7	0.54%	8,832.2	0.20%
EPSRC Total		97,470	2,611,875.7	59.95%	3,044,616.9	69.88%	3,203,845.5	73.54%
n01	Consortia	15,940	75,601.3		78,889.0	1.81%	107,543.3	2.47%
n02		63,655	371,608.9		377,361.8		844,486.0	19.38%
n03	Consortia	3,214	127,202.0	2.92%	130,970.6	3.01%	167,930.3	3.85%
NERC Total		82,809	574,412.2	13.18%	587,221.4	13.48%	1,119,959.6	25.71%
b19	Class1a	417	754.3	0.02%	754.3		3,120.8	0.07%
BBSRC Total	l a a da ua la in	417	754.3	0.02% 0.03%	754.3		3,120.8 9,090.2	
e756	Leadership Awards	281	1,447.1	0.03%	1,447.1	0.03%	9,090.2	0.21%
e723		401	142,726.2	3.28%	147,734.5	3.39%	38,601.0	0.89%
e723		0	0.0		0.0		16,866.7	0.39%
UKRI Total	Olass Ta	682	144,173.3	3.31%	149,181.6		64,557.8	
ecseab03	eCSE	0	0.0	0.00%	0.0		48.2	
ecseac14		0	0.0	0.00%	0.0		65.4	
ecsead08		0	0.0	0.00%	0.0		85.9	
ecseaf01		25	58.4		58.4		83.2	
ecseaf02		0	0.0	0.00%	0.0	0.00%	52.7	0.00%
ecseaf03		4	0.9	0.00%	0.9	0.00%	42.7	0.00%
ecseaf04	eCSE	0	0.0		0.0		65.2	0.00%
ecseag02	eCSE	1	0.0	0.00%	0.0	0.00%	87.2	0.00%
ecseag03		0	0.0		0.0		63.0	
ecseag06		28	0.5		0.5		43.2	
ecseag08		0	0.0		0.0		58.4	
ecseag09		2	0.1	0.00%	0.1	0.00%	62.8	
ecseah03		0	0.0		0.0		120.6	
ecseah05		0	0.0		0.0		54.5	
ecseah06		0	0.0	0.00%	0.0		109.8	
ecseah10		0	0.0		0.0		107.7	
ecseah11	eCSE	0	0.0	0.00%	0.0	0.00%	73.3	0.00%

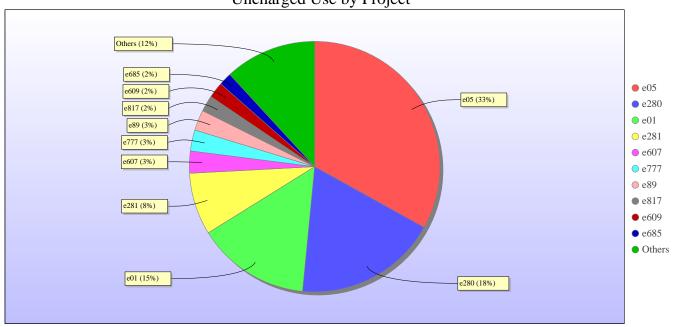
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
ecseah12	eCSE	0	0.0	0.00%	0.0	0.00%	96.1	0.00%
ecseai03	eCSE	0	0.0	0.00%	0.0	0.00%	76.4	0.00%
ecseai04	eCSE	0	0.0	0.00%	0.0	0.00%	104.1	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	124.8	0.00%
ecseai09	eCSE	0	0.0	0.00%	0.0	0.00%	105.2	0.00%
ecseai10	eCSE	0	0.0	0.00%	0.0	0.00%	96.0	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	59.0	0.00%
ecseaj02	eCSE	0	0.0	0.00%	0.0	0.00%	59.4	0.00%
ecseaj03	eCSE	0	0.0	0.00%	0.0	0.00%	109.0	0.00%
eCSE Total		60	59.9	0.00%	59.9	0.00%	2,053.8	0.05%
d35	Research	84	95.8	0.00%	96.0	0.00%	425.2	0.01%
d011	Research	266	118.3	0.00%	118.3	0.00%	175.9	0.00%
d114	Research	0	0.0	0.00%	0.0	0.00%	5,233.3	0.12%
d137	Research	0	0.0	0.00%	0.0	0.00%	1,325.3	0.03%
d142	Research	77	49.4	0.00%	49.4	0.00%	4,194.8	
d175	Research	0	0.0	0.00%	0.0	0.00%	1,695.9	0.04%
d183	Research	27	1,182.2	0.03%	1,197.0	0.03%	178.1	0.00%
d435	Research	356	2,344.3	0.05%	2,344.7	0.05%	1,700.9	0.04%
d436	Research	0	0.0	0.00%	0.0	0.00%	340.2	0.01%
d437	Research	0	0.0	0.00%	0.0	0.00%	424.1	0.01%
i246	Research	71	0.0	0.00%	740.7	0.02%	0.1	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	715.1	0.02%
i18	Industrial	9	12.7	0.00%	12.7	0.00%	1,521.0	0.03%
i21	Industrial	7	0.0	0.00%	0.1	0.00%	8.5	0.00%
i26	Industrial	83	192.4	0.00%	192.4	0.00%	169.6	0.00%
i219	Industrial	0	0.0	0.00%	0.0	0.00%	33.9	
i239	Industrial	569	1,872.0	0.04%	1,872.6	0.04%	1,164.7	0.03%
i241	Industrial	3	48.0	0.00%	48.0	0.00%	2,351.1	0.05%
i242	Industrial	74	574.0	0.01%	574.0	0.01%	567.8	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	389.7	0.01%
i244	Industrial	759	113.8	0.00%	114.1	0.00%	391.0	0.01%
i247	Industrial	57	4,267.7	0.10%	4,378.7	0.10%	1,000.1	0.02%
m23oc	Training	0	0.0	0.00%	0.0	0.00%	563.7	0.01%
m23ol	Training	39	6.8	0.00%	6.8		375.8	0.01%
m23ext	Training	0	0.0	0.00%	0.0	0.00%	105.9	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	6.0	0.00%
m23exts1	Training	0	0.0	0.00%	0.0	0.00%	111.6	0.00%
ta070	Training	9	145.1	0.00%	145.1	0.00%	200.0	0.00%
ta084	Training	0	0.0	0.00%	0.0	0.00%	764.8	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	38.3	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta087	Training	0	0.0		0.0		19.1	
ta093	Training	26	306.0		306.0		749.8	
ta094	Training	344	0.7	0.00%	0.7	0.00%	2,555.1	0.06%
ta095	Training	0	0.0		0.0		63.9	
ta096	Training	0	0.0	0.00%	0.0		63.9	
ta097	Training	0	0.0		0.0		63.9	
ta109	Training	71	1,056.2		1,056.2		507.8	
ta110	Training	22	0.0		0.0		19.0	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta112	Training	0	0.0		0.0		19.0	0.00%
ta116	Training	496	2,435.0		2,439.0		923.6	
ta117	Training	0	0.0	0.00%	0.0		52.6	
ta118	Training	0	0.0		0.0	0.00%	80.3	0.00%
ta119	Training	0	0.0		0.0		102.5	
ta128	Training	0	0.0	0.00%	0.0		47.8	
ta129	Training	0	0.0		0.0		61.0	0.00%
ta130	Training	0	0.0		0.0		25.4	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
d194	Service	0	0.0		0.0	0.00%	145.0	0.00%
y01	Service	0	0.0		0.0		74.9	
y02	Service	209	10,540.6		10,540.6		4,252.3	
y07	Service	0	0.0	0.00%	0.0	0.00%	83.0	0.00%

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
y23	Service	0	0.0	0.00%	0.0	0.00%	85.0	0.00%
z01	Service	0	0.0	0.00%	0.0	0.00%	8.3	0.00%
z02	Service	2	0.0	0.00%	0.0	0.00%	8.5	0.00%
z19	Service	4,021	61,506.0	1.41%	63,220.2	1.45%	42,406.6	0.97%
z40	Service	0	0.0	0.00%	0.0	0.00%	168.7	0.00%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.9	0.00%
DirectorsTime Total		7,681	86,867.0	1.99%	89,453.2	2.05%	78,803.0	1.81%
e572	Leadership Awards	17	842.2	0.02%	842.2	0.02%	0.0	0.00%
Total		17	842.2	0.02%	842.2	0.02%	0.0	0.00%
Total		189,136	3,418,984.6	78.48%	3,872,129.5	88.88%	4,472,340.6	102.65%

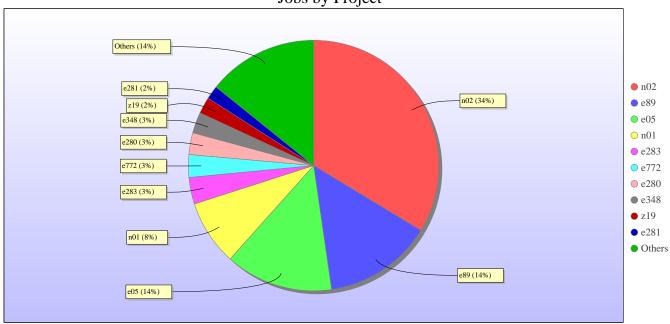
Use by Project



Uncharged Use by Project



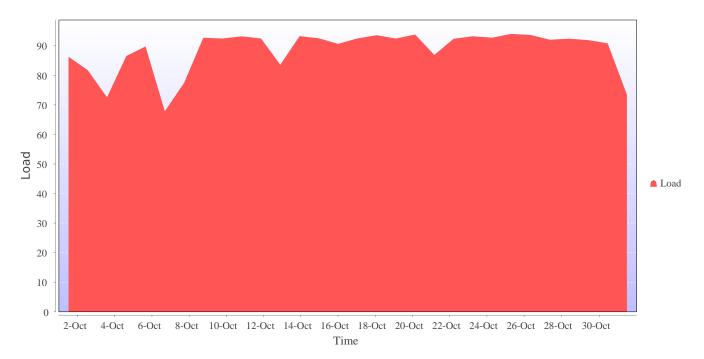
Jobs by Project



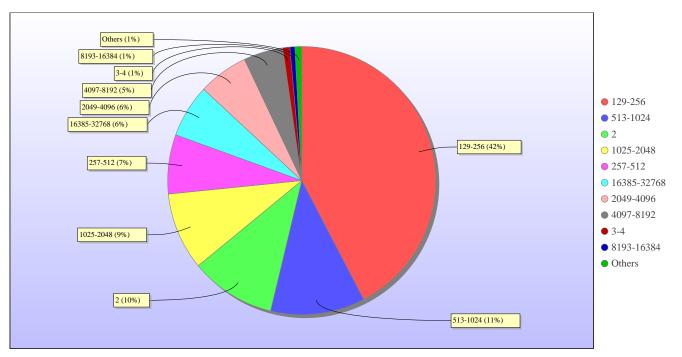
CUs (by Size)

Size	CUs	Number of Jobs
2	0	19,492
3-4	0	1,602
5-8	0	639
9-16	0	33
17-32	0	244
33-64	0	2
65-128	0	2
129-256	190,636.708	80,109
257-512	112,139.669	13,512
513-1024	349,164.948	21,534
1025-2048	514,233.028	17,693
2049-4096	425,851.783	
4097-8192	529,835.585	
8193-16384	296,721.617	1,137
16385-32768	370,105.769	12,079
32769-65536	303,553.174	267
65537-131072	257,272.617	132
131073-262144	59,071.595	211
262145-524288	6,576.355	12
524289-1048576	3,821.795	2

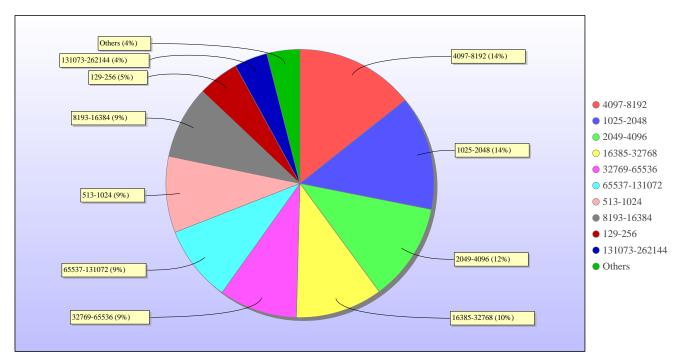
Load plots



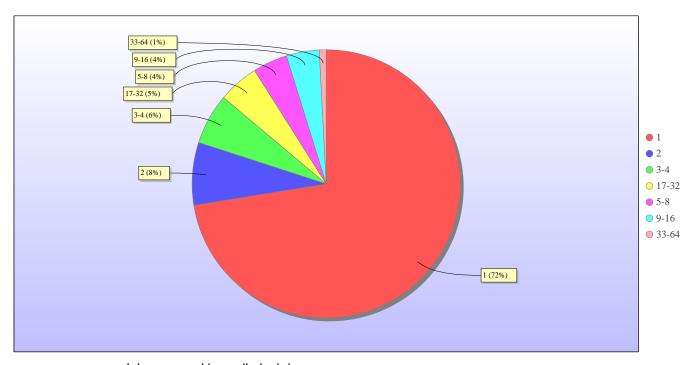
Percentage load on machine



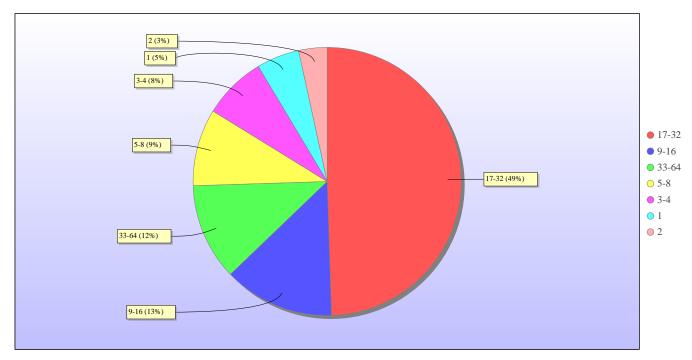
Jobs by Size



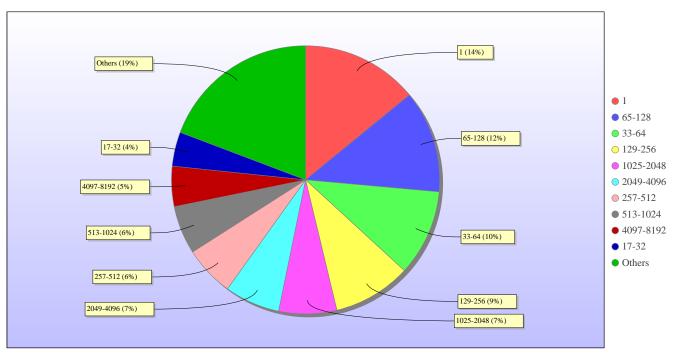
CUs used by Size



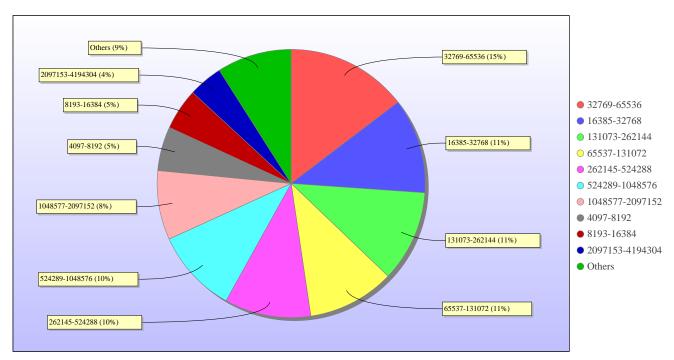
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

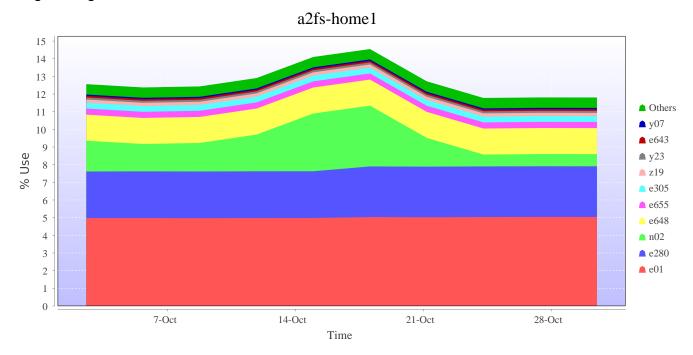


CUs used grouped by core-hours

Disk usage

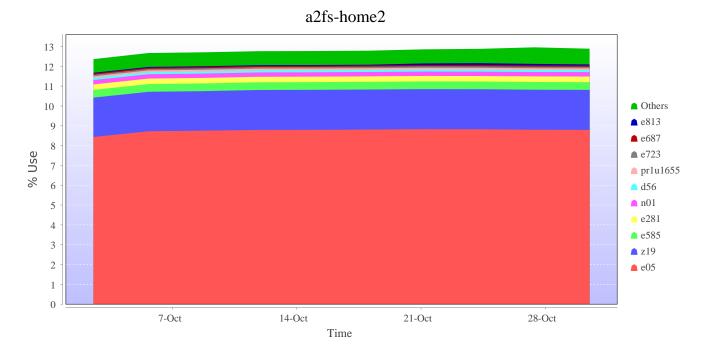
Disk usage for home (a2fs-home1)

This is a plot of Disk Use on a2fs-home1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



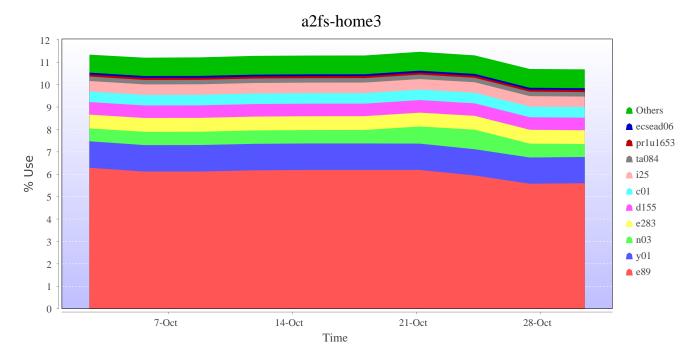
Disk usage for home (a2fs-home2)

This is a plot of Disk Use on a2fs-home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



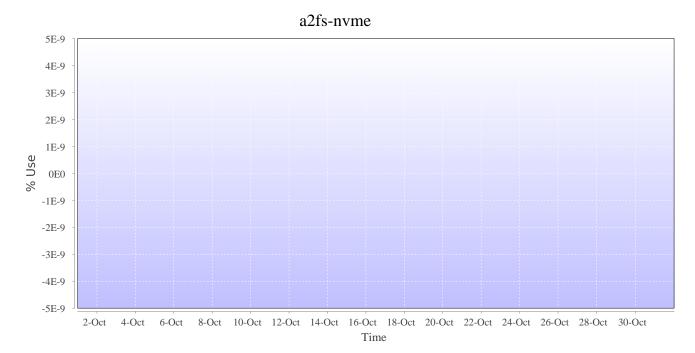
Disk usage for home (a2fs-home3)

This is a plot of Disk Use on a2fs-home3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



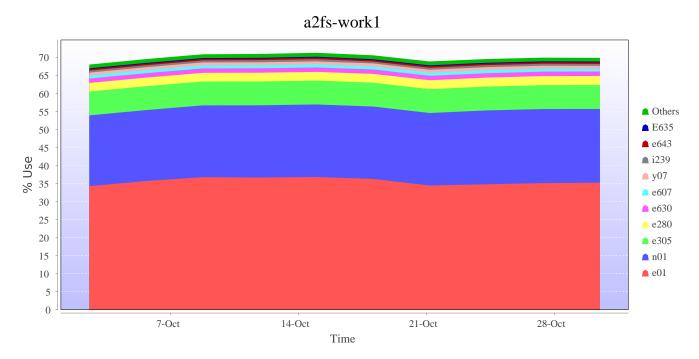
Disk usage for work-nVME (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



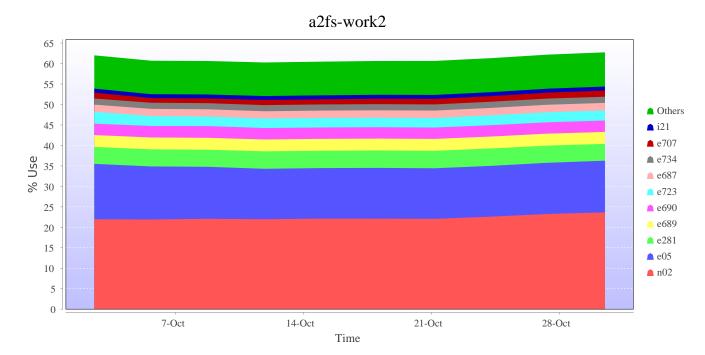
Disk usage for work (a2fs-work1)

This is a plot of Disk Use on a2fs-work1 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



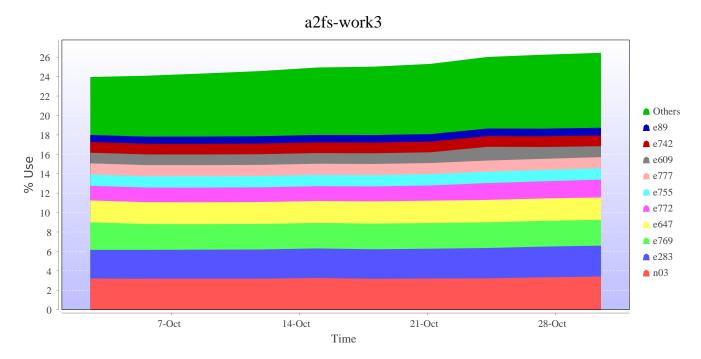
Disk usage for work (a2fs-work2)

This is a plot of Disk Use on a2fs-work2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



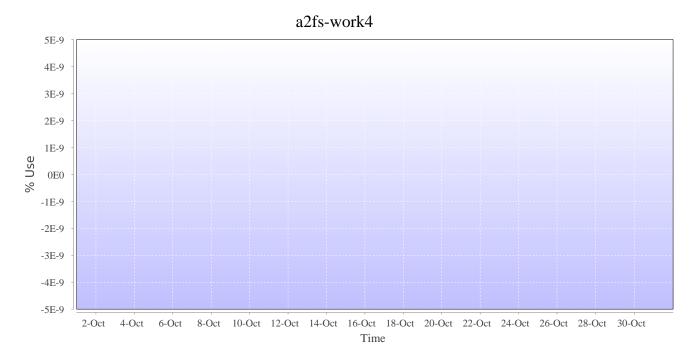
Disk usage for work (a2fs-work3)

This is a plot of Disk Use on a2fs-work3 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



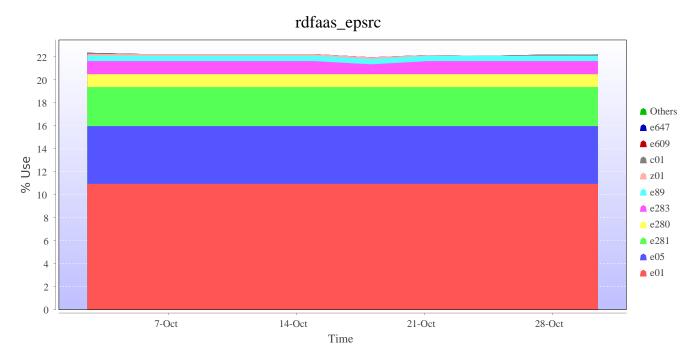
Disk usage for scratch (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for epsrc (rdfaas_epsrc)

This is a plot of Disk Use on rdfaas_epsrc against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



Disk usage for general (rdfaas_general)

This is a plot of Disk Use on rdfaas_general against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.

