Monthly Reporting

Report from 01 February 2024 to 29 February 2024

Report for Resource Pool Archer2 on archer2

A total of 4,070,208 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	0	0.0		0.0	0.00%	20,284.2	0.50%
	Awards	آ ۔				515273		
e760	Leadership	308	754.7	0.02%	759.5	0.02%	621.1	0.02%
	Awards							
e786	Leadership	0	0.0	0.00%	0.0	0.00%	9,080.3	0.22%
	Awards							
e787	Leadership	263	40,121.6	0.99%	40,121.6	0.99%	39,405.4	0.97%
	Awards							
e686	Pioneer	564	14,592.7	0.36%	17,649.3	0.43%	10,951.3	0.27%
	Projects							
e692	Pioneer	0	0.0	0.00%	0.0	0.00%	8,650.5	0.219
	Projects							
e731	Pioneer	492	36,607.7	0.90%	36,687.6	0.90%	23,906.6	0.59%
	Projects							
e744	Pioneer	592	22,814.3	0.56%	23,171.6	0.57%	16,141.7	0.40%
	Projects							
e808	Pioneer	213	12,505.3	0.31%	13,061.5	0.32%	15,937.7	0.39%
	Projects							
e809	Pioneer	129	6,244.3	0.15%	6,400.3	0.16%	25,500.3	0.63%
	Projects							
e810	Pioneer	28	6,678.6	0.16%	6,678.6	0.16%	31,461.0	0.77%
	Projects							
e812	Pioneer	232	6,602.1	0.16%	6,602.1	0.16%	13,961.4	0.34%
	Projects							
e813	Pioneer	189	5,673.7	0.14%	5,774.1	0.14%	23,906.6	0.59%
	Projects							
e814	Pioneer	4	6,795.8	0.17%	6,795.8	0.17%	23,906.6	0.59%
	Projects							
e815	Pioneer	524	7,829.0	0.19%	13,736.5	0.34%	21,037.8	0.52%
	Projects							
e817	Pioneer	134	27,152.1	0.67%	27,532.1	0.68%	72,962.9	1.79%
	Projects							
c01	Class1a	1,243	32,571.6		35,058.3			
e348	Class1a	14,794	25,021.5		25,134.7	0.62%	29,335.0	
e575	Class1a	33	264.7		268.8			
e609	Class1a	1,418	11,169.6		11,199.5		13,183.0	0.32%
e643	Class1a	156	2,352.6		2,391.2		19,125.3	
e647	Class1a	267	10,398.7		10,402.7	0.26%	13,832.1	
e694	Class1a	116	15,840.1	0.39%	16,269.2		2,680.2	
e696	Class1a	0	0.0		0.0		1,178.4	
e697	Class1a	21	4,423.8		8,148.5		3,382.1	0.08%
e701	Class1a	0	0.0	0.00%	0.0		812.8	0.02%

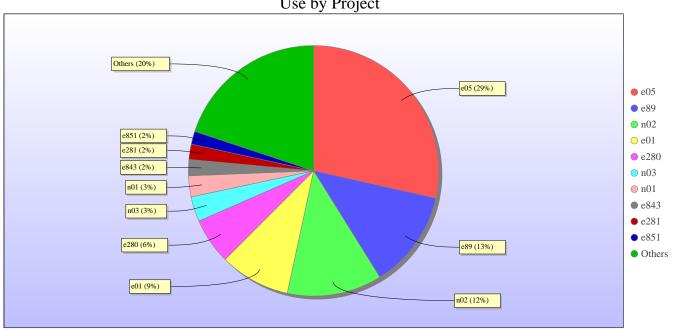
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e705	Class1a	35	2,579.9	0.06%	2,579.9	0.06%	3,514.6	0.09%
e707	Class1a	14	390.4	0.01%	390.4	0.01%	10,515.7	0.26%
e710	Class1a	305	921.0	0.02%	921.0	0.02%	3,984.4	0.10%
e712	Class1a	4	11.3	0.00%	11.3	0.00%	15,937.7	0.39%
e720	Class1a	823	27,484.0	0.68%	28,361.6	0.70%	34,425.5	0.85%
e721	Class1a	0	0.0	0.00%	0.0	0.00%	2,629.7	0.06%
e728	Class1a	215	7,426.9	0.18%	7,522.8	0.18%	2,506.9	0.06%
e751	Class1a	116	17,491.2	0.43%	17,491.2	0.43%	4,778.1	0.12%
e752	Class1a	41	202.3	0.00%	202.3	0.00%	3,346.9	0.08%
e758	Class1a	0	0.0	0.00%	0.0	0.00%	3,128.9	0.08%
e763	Class1a	157	575.9	0.01%	575.9	0.01%	4,781.3	0.12%
e764	Class1a	17	0.2	0.00%	0.2	0.00%	7,003.4	0.17%
e767	Class1a	0	0.0	0.00%	0.0	0.00%	5,546.4	0.14%
e769	Class1a	63	2,355.7	0.06%	2,355.7	0.06%	31,875.4	0.78%
e770	Class1a	139	1,490.2	0.04%	1,490.2	0.04%	70,000.0	1.72%
e793	Class1a	0	0.0	0.00%	0.0	0.00%	39,844.3	0.98%
e820	Class1a	89	920.2	0.02%	943.2	0.02%	14,718.8	0.36%
e821	Class1a	0	0.0	0.00%	0.0	0.00%	3,328.6	0.08%
e838	Class1a	0	0.0	0.00%	0.0	0.00%	6,375.1	0.16%
e855	Class1a	0	0.0	0.00%	0.0	0.00%	270.3	0.01%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,109.3	0.03%
e01	Consortia	2,728	272,193.1	6.69%	346,356.9	8.51%	326,755.0	8.03%
e05	Consortia	37,817	869,777.0	21.37%	1,084,280.8		737,119.3	18.11%
e89	Consortia	40,266	455,536.8	11.19%	479,108.9	11.77%	354,136.0	8.70%
e280	Consortia	7,790	209,061.0	5.14%	225,902.1	5.55%	199,221.4	4.89%
e281	Consortia	1,807	53,587.6	1.32%	74,981.6	1.84%	105,188.9	2.58%
e283	Consortia	4,482	6,966.2	0.17%	7,012.8	0.17%	57,694.5	
e772	Consortia	677	24,101.3	0.59%	25,747.4	0.63%	59,766.4	1.47%
e773	Consortia	469	18,135.5	0.45%	18,230.8	0.45%	29,498.8	0.72%
e788	Pump Priming	0	0.0	0.00%	0.0	0.00%	275.6	0.01%
e805	Pump Priming	2	873.8	0.02%	873.8	0.02%	121.3	0.00%
e818	Pump Priming	58	7.3	0.00%	7.3	0.00%	3,481.4	0.09%
e819	Pump Priming	8	75.4	0.00%	75.4	0.00%	304.3	0.01%
e823	Pump Priming	13	4,040.0	0.10%	4,041.0	0.10%	364.8	0.01%
e824	Pump Priming	108	217.9	0.01%	217.9	0.01%	627.4	0.02%
e825	Pump Priming	5	74.0	0.00%	74.0	0.00%	633.9	0.02%
e826	Pump Priming	0	0.0	0.00%	0.0	0.00%	633.9	0.02%
e837	Pump Priming	0	0.0	0.00%	0.0	0.00%	544.6	0.01%
e839	Pump Priming	125	2,525.9	0.06%	2,525.9	0.06%	631.3	0.02%
e853	Pump Priming	460	218.9	0.01%	218.9	0.01%	210.5	0.01%
ta125	Training	7	0.2		0.2	0.00%	17.8	
ta126	Training	34	3.7	0.00%	3.7	0.00%	29.7	0.00%
ta148	Training	8	0.0	0.00%	0.0	0.00%	122.1	0.00%
	Access to HPC	0	0.0		0.0	0.00%	2,916.0	0.07%
-	Access to HPC	389	4,785.8		4,785.8		3,771.5	
	Access to HPC	406	4,284.3		7,187.4		28,246.8	0.69%
	Access to HPC	59	988.1	0.02%	988.1	0.02%	1,786.1	0.04%
	Access to HPC	3,366	5,341.9		5,439.4		12,750.2	0.31%
	Access to HPC	255	2,005.8		2,005.8		20,912.7	0.51%
	Access to HPC	45	4,016.1	0.10%	4,016.1	0.10%	1,352.8	
	Access to HPC	0	0.0	0.00%	0.0		3,895.5	0.10%
	Access to HPC	24	946.4		946.4		1,673.5	
	Access to HPC	465	1,802.9	0.04%	1,802.9	0.04%	7,503.5	0.18%
	Access to HPC	121	25,897.0		25,897.0	0.64%	10,450.4	0.26%
	Access to HPC	0	0.0		0.0		10,786.6	
	Access to HPC	23	1,520.1	0.04%	1,700.9		8,567.2	0.21%
	Access to HPC	336	6.9	0.00%	4,256.1	0.10%	6,446.5	
	Access to HPC	263	6,147.1	0.15%	6,147.1	0.15%	4,791.3	
	Access to HPC	0	0.0		0.0		4,781.3	0.12%
	Access to HPC	162	5,242.7	0.13%	5,244.1	0.13%	4,781.3	
	Access to HPC	0	0.0		0.0		13,276.1	0.33%
	Access to HPC	30	4,566.3		5,248.2		4,775.6	
e803	Access to HPC	14	5,939.1	0.15%	5,939.1	0.15%	5,875.3	0.14%

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
	Access to HPC	236	19,865.1	0.49%	19,984.7	0.49%	16,522.2	0.41%
	Access to HPC	38	177.3	0.00%	177.3		711.6	0.02%
	Access to HPC	0	0.0		0.0	0.00%	1,537.2	0.04%
	Access to HPC	85	568.1	0.01%	594.5		5,766.3	0.14%
	Access to HPC	3	3,202.9		3,202.9		5,713.3	0.14%
	Access to HPC	14	282.7	0.01%	282.7	0.01%	659.1	0.02%
	Access to HPC	10 178	0.0		0.0		5,577.0	0.14% 2.12%
	Access to HPC Access to HPC	8,634	46,246.3 3,158.0		47,605.8 3,161.5	0.08%	86,174.2 4,981.7	0.12%
	Access to HPC	40	149.9		149.9	0.00%	2,830.5	0.12%
	Access to HPC	555	8,336.7	0.20%	8,404.8		12,622.7	0.31%
	Access to HPC	41	79,880.0	1.96%	79,880.0	1.96%	26,444.8	0.65%
	Access to HPC	1	0.2		0.2	0.00%	1,675.1	0.04%
	Access to HPC	577	8,322.7	0.20%	8,602.8		13,158.2	0.32%
	Access to HPC	3,219	35,095.0	0.86%	35,833.6	0.88%	21,832.8	0.54%
e847	Access to HPC	38,919	3,258.4	0.08%	3,258.4	0.08%	1,912.5	
e848	Access to HPC	196	11,326.5	0.28%	11,612.1	0.29%	5,100.1	0.13%
e849	Access to HPC	106	4,090.5	0.10%	4,486.2	0.11%	69,784.9	1.71%
e850	Access to HPC	1,160	6,157.9	0.15%	6,275.7	0.15%	16,256.5	0.40%
	Access to HPC	365	60,977.2		63,275.5		55,788.4	1.37%
	Access to HPC	0	0.0		0.0		777.8	0.02%
	Access to HPC	127	4,130.1	0.10%	4,130.1	0.10%	1,264.0	0.03%
EPSRC Total		181,064	2,644,375.6		3,028,871.8	74.42%	3,126,585.5	76.82%
n01	Consortia	6,022	102,113.0		102,567.7	2.52%	100,469.9	2.47%
n02	Consortia	166,418	456,287.8		465,494.4	11.44%	788,942.6	19.38%
n03	Consortia	3,613	120,608.1	2.96%	122,335.9		156,885.2	3.85%
NERC Total		176,053	679,008.9		690,398.0	16.96%	1,046,297.8	25.71%
b19	Class1a	298	3,780.0		3,780.0	0.09%	2,949.0	0.07%
BBSRC Total	l a a da na la in	298	3,780.0		3,780.0	0.09%	2,949.0	0.07%
e756	Leadership Awards	60	248.6	0.01%	248.6	0.01%	4,755.2	0.12%
e723	Class1a	885	17,674.5	0.43%	19,437.0	0.48%	55,782.0	1.37%
e738		000	0.0		0.0	0.00%	15,937.7	0.39%
UKRI Total	0100010	945	17,923.1	0.44%	19,685.6	0.48%	76,474.9	1.88%
ecseab03	eCSE	0	0.0		0.0	0.00%	45.0	0.00%
ecseae08		54	35.9		35.9		59.3	0.00%
ecseaf03		17	9.6		9.6		30.4	0.00%
ecseaf04		0	0.0	0.00%	0.0	0.00%	60.9	0.00%
ecseaf06		0	0.0	0.00%	0.0	0.00%	55.1	0.00%
ecseag02		19	1.2	0.00%	1.2		57.1	0.00%
ecseag06		89	9.6		9.6		40.3	0.00%
ecseag09		0	0.0		0.0		58.7	0.00%
ecseah01	eCSE	0	0.0		0.0		95.2	0.00%
ecseah05		137	1.1	0.00%	2.2		50.9	0.00%
ecseah10		0	0.0		0.0		100.7	0.00%
ecseah11		0	0.0		0.0			0.00%
ecseah12		0	0.0		0.0		89.7	0.00%
ecseai03		0	0.0		0.0		71.4	0.00%
ecseai04		27	20.6		20.6 0.0		97.3 116.6	0.00%
ecseai05 ecseai09		0	0.0		0.0	0.00% 0.00%	98.3	0.00% 0.00%
ecseai09 ecseai10		0	0.0		0.0	0.00%	98.3 89.7	0.00%
ecseai12		0	0.0		0.0		55.1	0.00%
ecseaj02		16	0.0		0.0		55.5	
ecseaj02 ecseaj03		0	0.0		0.0		101.8	
ecseal03		109	4.9		6.1	0.00%	37.2	0.00%
eCSE Total	COOL	468	83.1	0.00%	85.6		1,534.6	
d35	Research	627	9.1	0.00%	23.1	0.00%	386.7	0.01%
d011	Research	0	0.0		0.0		164.3	0.00%
d114		0	0.0		0.0		4,889.1	0.12%
d137		0	0.0	0.00%	0.0	0.00%	1,238.1	0.03%
d142		0	0.0		0.0		3,918.9	
d175		0	0.0		0.0		1,759.4	

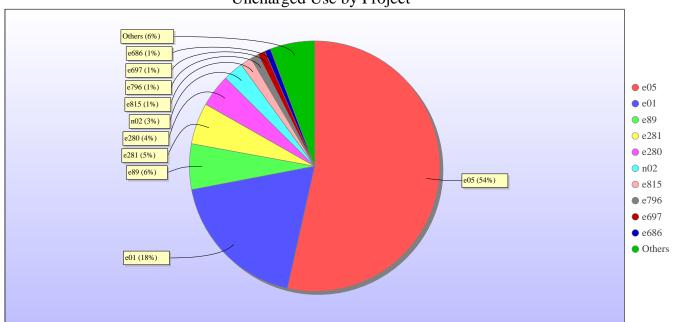
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d183	Research	52	98.0	0.00%	98.0	0.00%	166.4	0.00%
d193	Research	0	0.0	0.00%	0.0	0.00%	211.7	0.01%
d435	Research	195	4,219.2	0.10%	4,219.3	0.10%	3,565.6	0.09%
d437	Research	0	0.0	0.00%	0.0	0.00%	396.2	0.01%
i246	Research	43	0.0	0.00%	691.8	0.02%	0.1	0.00%
d195	Industrial	0	0.0	0.00%	0.0	0.00%	77.7	0.00%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	79.2	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	668.1	0.02%
i18	Industrial	3	12.5	0.00%	12.5	0.00%	1,420.9	0.03%
i21	Industrial	9	0.2	0.00%	0.2	0.00%	7.9	0.00%
i26	Industrial	87	90.5	0.00%	90.5	0.00%	158.5	0.00%
i28	Industrial	0	0.0	0.00%	0.0	0.00%	105.9	0.00%
i29	Industrial	45	5.2	0.00%	5.2	0.00%	151.1	0.00%
i239	Industrial	790	2,104.3	0.05%	2,104.3	0.05%	1,343.0	0.03%
i241	Industrial	2	64.0	0.00%	64.0	0.00%	1,485.9	0.04%
i242	Industrial	5	29.4	0.00%	29.4	0.00%	530.5	0.01%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	628.8	0.02%
i244	Industrial	892	1,400.7	0.03%	1,400.7	0.03%	644.3	0.02%
i247	Industrial	0	0.0	0.00%	0.0	0.00%	934.4	0.02%
i248	Industrial	91	3,202.8		3,204.0	0.08%	6,090.4	0.15%
m23oc	Training	282	13.0	0.00%	13.0	0.00%	526.6	0.01%
m23ol	Training	0	0.0	0.00%	0.0	0.00%	351.1	0.01%
m23ext	Training	0	0.0	0.00%	0.0	0.00%	99.0	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	172.6	0.00%
ta094	Training	152	404.8	0.01%	419.0	0.01%	2,387.0	0.06%
ta095	Training	0	0.0	0.00%	0.0	0.00%	59.7	0.00%
ta096	Training	0	0.0	0.00%	0.0	0.00%	59.7	0.00%
ta090	Training	0	0.0	0.00%	0.0	0.00%	59.7	0.00%
ta109	Training	18	0.1	0.00%	0.1	0.00%	521.9	0.01%
ta110	Training	0	0.0	0.00%	0.0	0.00%	17.8	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	17.8	0.00%
ta112	Training	0	0.0	0.00%	0.0	0.00%	17.8	0.00%
ta124	Training	0	0.0		0.0		17.8	0.00%
ta127	Training	152	142.7	0.00%	142.7	0.00%	618.0	0.02%
ta132	Training	9	0.5	0.00%	0.5	0.00%	10.6	0.00%
ta133	Training	0	0.0	0.00%	0.0		27.5	0.00%
ta134	Training	0	0.0	0.00%	0.0	0.00%	33.3	0.00%
ta135	Training	502	1,899.1	0.05%	1,920.4	0.05%	716.1	0.02%
ta136	Training	31	0.2	0.00%	0.2		9.0	0.02%
ta137	Training	0	0.0	0.00%	0.0	0.00%	53.1	0.00%
ta138	Training	0	0.0	0.00%	0.0	0.00%	56.9	0.00%
					639.6			
ta139	Training Training	92 94	908.8		0.6		659.1 161.5	0.02% 0.00%
	0							
ta141	Training Training	0	0.0	0.00%	0.0	0.00%	150.0	0.00%
ta142	Training		0.0		0.0 0.5	0.00% 0.00%	79.3 75.6	0.00% 0.00%
ta143	Training	62 0	0.5	0.00%	0.0		47.1	0.00%
ta144		0	0.0	0.00%	0.0	0.00%		0.00%
ta145	Training						81.4	
ta146	Training	0	0.0		0.0		55.2	0.00%
ta147	Training	0	0.0	0.00%	0.0	0.00%	26.1	0.00%
ta149	Training	0	0.0		0.0	0.00%	40.0	0.00%
ta150	Training	0	0.0		0.0		40.0	0.00%
d191	Service	108	0.0	0.00%	392.6		4.0	0.00%
y01	Service	13	120.5		80.3		70.0	0.00%
y02	Service	548	11,033.9		11,026.2		1,980.9	0.05%
y07	Service	0	0.0		0.0		26.5	
z02	Service	4	0.0	0.00%	0.0	0.00%	7.9	0.00%
z19	Service	6,286	13,491.7	0.33%	13,643.3	0.34%	39,617.5	0.97%
z40	Service	0	0.0		0.0		159.4	0.00%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	
z043	Service	100	715.4		725.2		239.8	
DirectorsTime		11,294	39,967.8	0.98%	40,947.4	1.01%	80,378.0	1.97%
Total								

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
e775	Access to HPC	2	1,890.0	0.05%	1,890.0	0.05%	0.0	0.00%
e776	Access to HPC	17	966.7	0.02%	966.7	0.02%	0.0	0.00%
e688	Pioneer	2	12,292.6	0.30%	12,292.6	0.30%	0.0	0.00%
	Projects							
e507	Access to HPC	6	1,826.0	0.04%	1,826.0	0.04%	0.0	0.00%
Total		27	16,975.3	0.42%	16,975.3	0.42%	0.0	0.00%
Total		370,149	3,402,113.9	83.59%	3,800,743.7	93.38%	4,334,219.7	106.49%

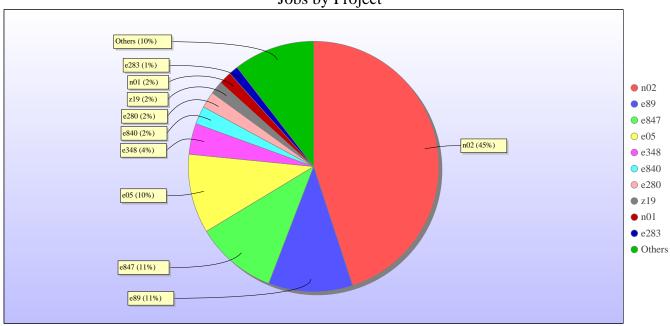
Use by Project







Jobs by Project



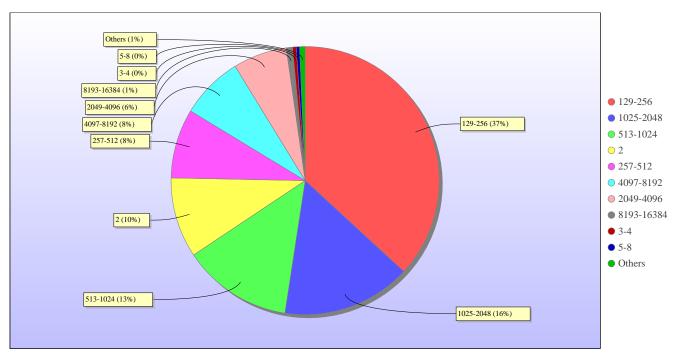
CUs (by Size)

Size	CUs	Number of Jobs
1	0	2
2	0	35,806
3-4	0	1,636
5-8	0	1,494
9-16	0	55
17-32	0	1,003
33-64	0	61
129-256	161,118.181	136,394
257-512	154,168.934	
513-1024	397,541.776	48,963
1025-2048	586,502.693	57,624
2049-4096	714,641.514	
4097-8192	506,748.611	
8193-16384	384,502.081	2,778
16385-32768	243,002.995	932
32769-65536	86,996.168	231
65537-131072	123,830.289	
131073-262144	19,967.18	
262145-524288	16,792.569	
524289-1048576	766.862	2

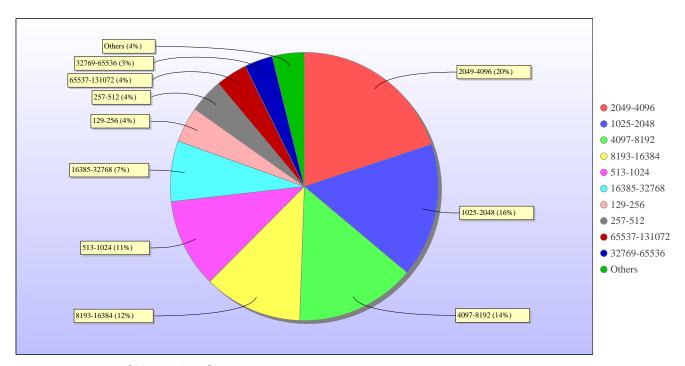
Load plots



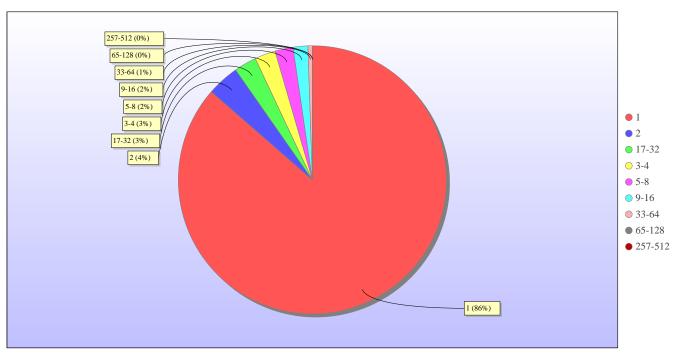
Percentage load on machine



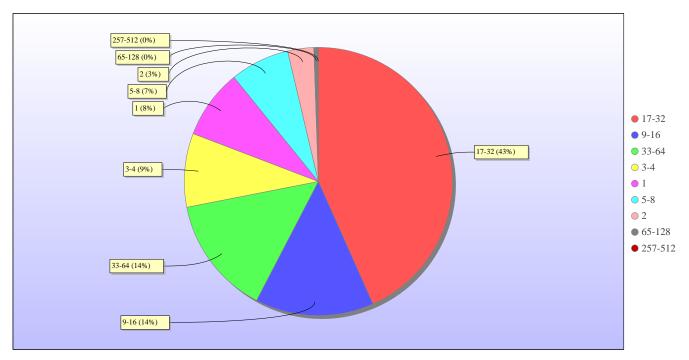
Jobs by Size



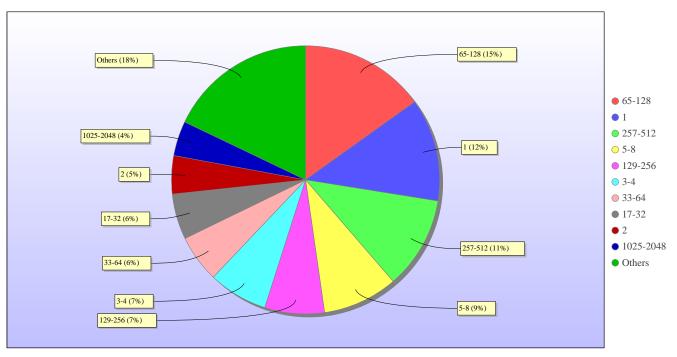
CUs used by Size



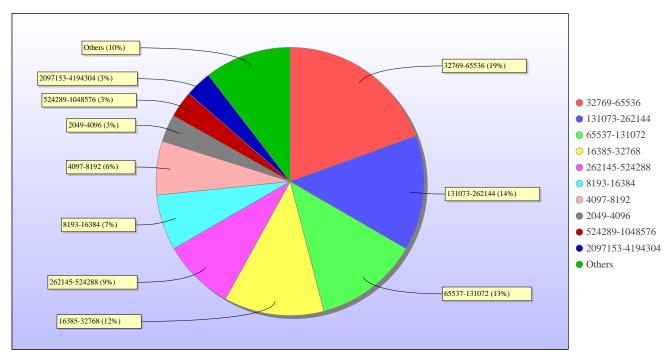
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

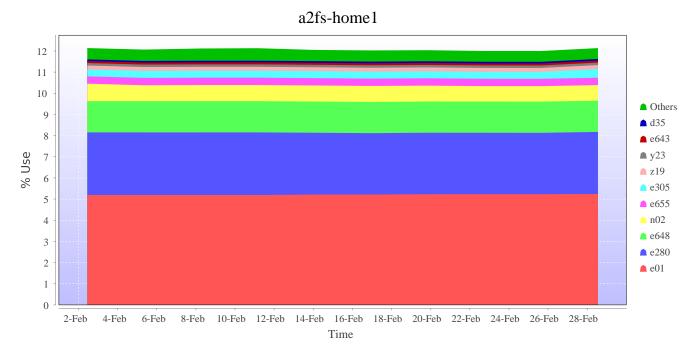


CUs used grouped by core-hours

Disk usage

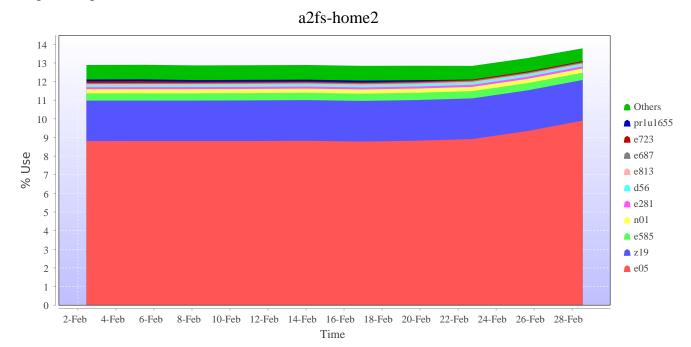
Disk usage for home (a2fs-home1)

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.



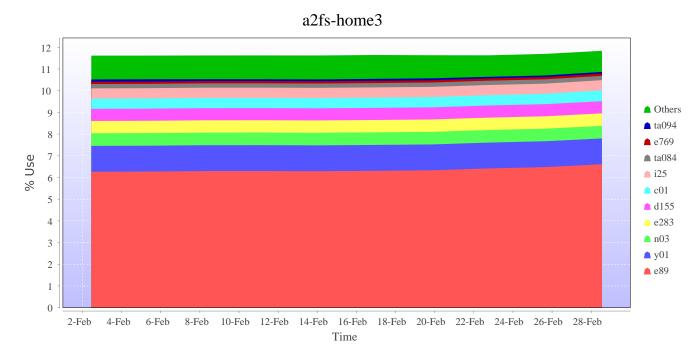
Disk usage for home (a2fs-home2)

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.



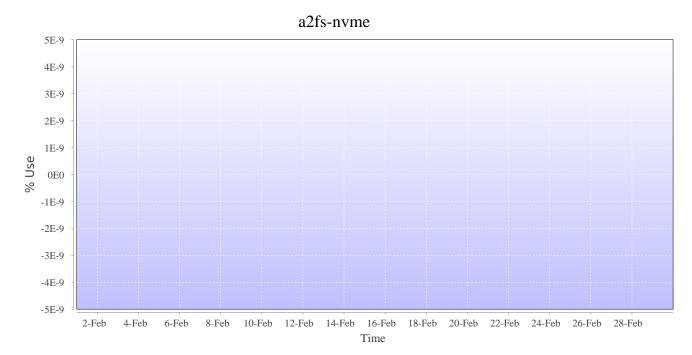
Disk usage for home (a2fs-home3)

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.



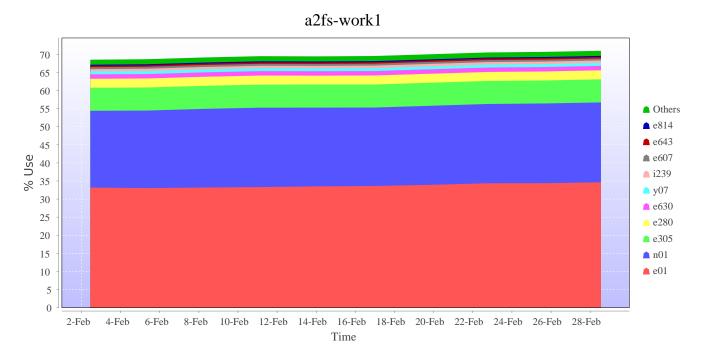
Disk usage for scratch (a2fs-nvme)

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.



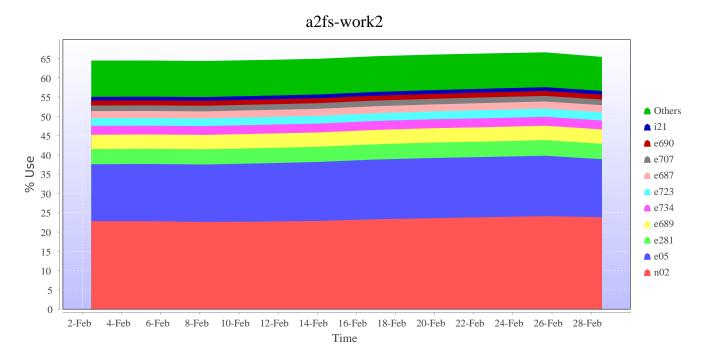
Disk usage for work (a2fs-work1)

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.



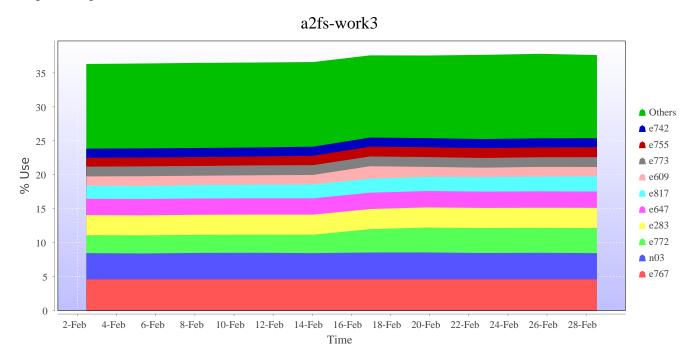
Disk usage for work (a2fs-work2)

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.



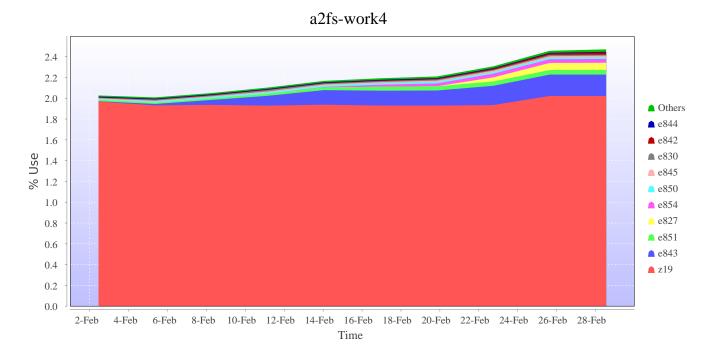
Disk usage for work (a2fs-work3)

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.



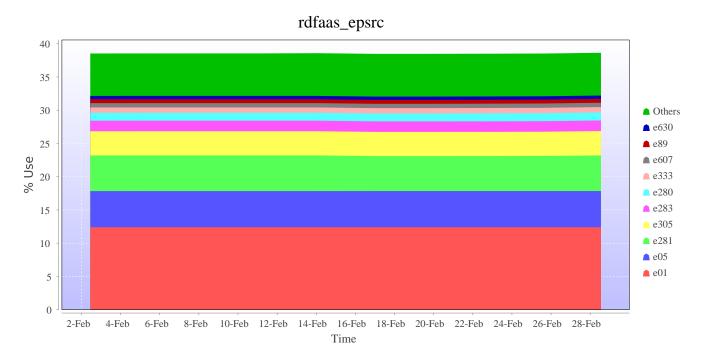
Disk usage for work (a2fs-work4)

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.

