Monthly Reporting

Report from 01 March 2022 to 31 March 2022

Report for Resource Pool Archer2 on archer2

A total of 4,345,064 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.

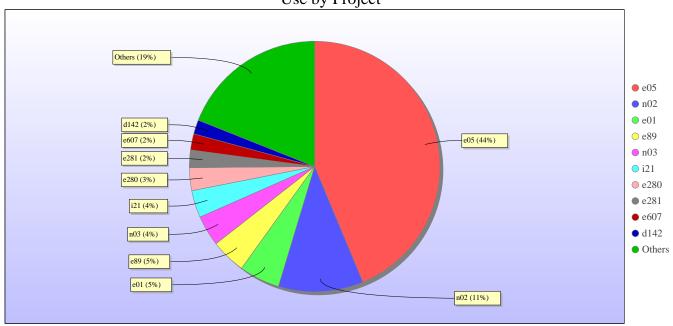
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	•	Utilisation	Allocated CUs	Allocation
e683	Pioneer	0	0.0		0.0	0.00%	14,233.8	0.33%
	Projects						,	
e685	Pioneer	391	11,384.5	0.26%	18,461.1	0.42%	21,042.8	0.48%
	Projects							
e686	Pioneer	34	212.9	0.00%	212.9	0.00%	18,818.8	0.43%
	Projects							
e687	Pioneer	145	3,277.5	0.08%	3,407.9	0.08%	16,800.0	0.39%
	Projects							
e688	Pioneer	466	2,675.2	0.06%	2,702.4	0.06%	22,668.1	0.52%
	Projects							
e689	Pioneer	115	23,631.0	0.54%	25,666.3	0.59%	26,175.2	0.60%
200	Projects			0.700/		2.224		
e690	Pioneer	394	22,816.3	0.53%	26,869.6	0.62%	25,662.0	0.59%
201	Projects	4.0	17.004.4	0.440/	47.004.4	0.440/	00.100.0	0.000
e691	Pioneer	16	17,864.1	0.41%	17,864.1	0.41%	26,162.9	0.60%
200	Projects	1.10	22.242.2	0.000/	22 222 7	0.000/	407405	0.450
e692	Pioneer	146	26,243.6	0.60%	26,263.7	0.60%	19,749.5	0.45%
- 000	Projects	4	05.4	0.000/	05.4	0.000/	47.400.0	0.000
e693	Pioneer	4	35.4	0.00%	35.4	0.00%	17,108.0	0.39%
5005	Projects	400	4.504.0	0.040/	4 500 5	0.040/	0.007.0	0.000
E635	Class1a	189	1,581.0					
c01	Class1a	839	7,974.1	0.18%	10,460.2		31,605.2	
e348	Class1a	118	293.4		293.4		4,644.8	
e432	Class1a	213	1,656.1	0.04%	1,656.1	0.04%	5,242.4	
e569	Class1a	71	5,251.5		5,493.5		2,799.6	
e572	Class1a	825	2,010.5		4,333.5		2,103.6	
e575	Class1a	185	500.0		500.0		3,365.8	
e607	Class1a	561	6,481.7	0.15%	81,739.5		10,003.6	
e609	Class1a	1,108	8,697.4		8,697.4		5,020.4	
e630	Class1a	12	6,673.9		6,673.9		19,871.7	
e637	Class1a	41	111.8		111.8		1,775.9	
e642	Class1a	0	0.0	0.00%	0.0		4,912.3	
e643	Class1a	679	19,907.6		19,950.6		5,291.2	
e645	Class1a	268	1,748.0		1,748.0		2,702.2	
e647	Class1a	1,288	24,468.4	0.56%	24,961.8		6,844.0	
e648	Class1a	550	1,544.8		1,545.4		1,611.7	
e649	Class1a	160	2,535.8		8,165.7	0.19%	5,050.5	
e651	Class1a	0	0.0		0.0		1,365.4	
e655	Class1a	5	4.2	0.00%	4.2		3,160.6	
e663	Class1a	247	2,709.3		2,709.3		3,367.8	
e664	Class1a	0	0.0		0.0		898.1	0.02%
e667	Class1a	520	373.4	0.01%	373.4	0.01%	2,201.1	0.05%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e681	Class1a	0	0.0	0.00%	0.0	0.00%	2,480.7	0.06%
e682	Class1a	0	0.0	0.00%	0.0	0.00%	7,563.4	0.17%
e684	Class1a	0	0.0	0.00%	0.0	0.00%	754.8	0.02%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	2,877.1	0.07%
e696	Class1a	4	5.7	0.00%	5.7	0.00%	154.4	0.00%
e697	Class1a	116	3,058.1	0.07%	34,231.2	0.79%	8,910.4	0.21%
e700	Class1a	0	0.0	0.00%	0.0	0.00%	3,387.4	0.08%
e701	Class1a	224	9,443.2	0.22%	10,017.6	0.23%	4,193.1	0.10%
e702	Class1a	0	0.0	0.00%	0.0	0.00%	1,004.9	0.02%
e706		0	0.0		0.0	0.00%	513.2	0.01%
e707	Class1a	197	20,881.2	0.48%	20,881.2	0.48%	10,148.3	0.23%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	4,039.0	0.09%
e710		1	4.7	0.00%	4.7	0.00%	1,152.9	
e712	Class1a	0	0.0	0.00%	0.0	0.00%	17,108.0	0.39%
e720	Class1a	685	4,538.5	0.10%	4,544.3	0.10%	7,274.3	
e721	Class1a		0.0	0.00%	0.0	0.00%	518.6	
e723	Class1a	1,010	20,829.7	0.48%	21,529.6	0.50%	20,307.9	
e724	Class1a	50	932.0	0.02%	932.0	0.02%	11,664.8	
e728	Class1a	0	0.0	0.00%	0.0	0.00%	2,390.1	0.06%
e728	Class1a Class1a	0	0.0	0.00%	0.0	0.00%	4,803.9	
e6337	Class1a Class1a	26	937.5	0.02%	937.5	0.02%	4,272.1	0.11%
	Class1a Class1a	0	0.0		0.0			
ec110		-		0.00%		0.00%	1,009.7	0.02%
e01	Consortia	2,265	169,619.8		206,139.5	4.74%	229,277.9	5.28%
e05	Consortia	37,916	685,814.2		1,716,576.7	39.51%	726,046.8	
e89	Consortia	17,558	164,924.3		177,324.4	4.08%	343,916.8	7.92%
e280	Consortia	12,698	115,410.7	2.66%	115,729.2	2.66%	152,852.2	3.52%
e281	Consortia	1,592	86,287.4	1.99%	89,308.8	2.06%	78,154.1	1.80%
e283	Consortia	1,289	11,846.5		11,892.8	0.27%	38,213.3	0.88%
e305	Consortia	1,453	49,497.1	1.14%	53,984.7	1.24%	114,638.9	
e585	Consortia	763	47,467.9	1.09%	49,764.1	1.15%	114,638.9	2.64%
e704	ı o	43	36.0	0.00%	36.0	0.00%	72.4	0.00%
e722		0	0.0	0.00%	0.0	0.00%	136.1	0.00%
e725	Pump Priming	0	0.0	0.00%	0.0	0.00%	136.9	0.00%
e726		0	0.0	0.00%	0.0	0.00%	136.9	0.00%
e727	Pump Priming	150	162.6		162.6	0.00%	3,176.6	0.07%
e729		0	0.0	0.00%	0.0	0.00%	90.5	0.00%
e737	Pump Priming	142	0.0	0.00%	1,429.2	0.03%	116.3	0.00%
e741	Pump Priming	13	24.6	0.00%	24.6	0.00%	136.9	0.00%
e749		87	132.7	0.00%	132.7	0.00%	522.0	0.01%
e750		17	2,229.0	0.05%	6,843.7	0.16%	401.7	0.01%
ta021	Training	0	0.0	0.00%	0.0	0.00%	63.8	0.00%
ta026	Training	0	0.0	0.00%	0.0	0.00%	63.4	0.00%
ta027	Training	1	0.0	0.00%	0.0	0.00%	84.8	0.00%
ta037	Training	0	0.0	0.00%	0.0	0.00%	63.6	0.00%
ta038	Training	0	0.0		0.0	0.00%	63.6	
ta052		0	0.0	0.00%	0.0	0.00%	510.7	0.01%
	Access to HPC	11	151.6		151.6	0.00%	4,215.4	0.10%
	Access to HPC	26	44.8	0.00%	44.8	0.00%	5,326.7	0.12%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	7,390.7	0.17%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,981.8	
	Access to HPC	382	14,959.7	0.34%	10,432.0	0.24%	3,331.8	
	Access to HPC	209	10,862.3		11,169.3	0.26%	10,388.0	0.24%
	Access to HPC	62	483.2		483.2	0.01%	3,447.8	
	Access to HPC	0	0.0	0.00%	0.0	0.00%	7.3	
	Access to HPC	141	646.0	0.01%	651.8	0.02%	821.2	0.02%
	Access to HPC	0	0.0		0.0	0.00%	4,927.1	0.11%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	6,980.1	0.16%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,774.2	0.09%
	Access to HPC	825	8,090.7	0.19%	8,090.7	0.19%	4,927.1	0.11%
	Access to HPC	3	4.4	0.00%	4.4	0.00%	8,554.0	0.20%
	Access to HPC	5	165.1	0.00%	165.1	0.00%	5,132.4	0.12%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,284.7	0.08%
	Access to HPC	837	30,830.3	0.71%	31,072.4	0.72%	6,843.2	0.16%
0,04	50000 10 111 0	557	50,000.0	0.7 170	51,072.4	0.12/0	0,040.2	0.1070

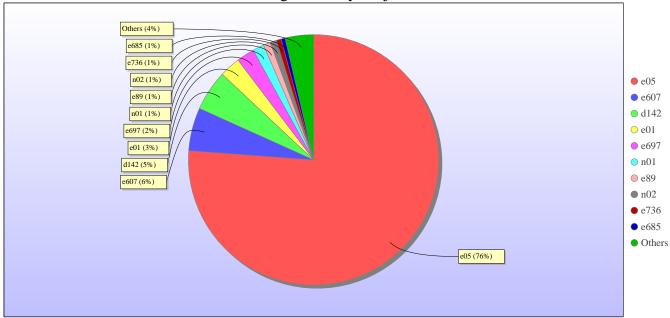
Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
e735	Access to HPC	0	0.0	0.00%	0.0	0.00%	7,981.9	0.18%
	Access to HPC	185	37,125.4	0.85%	45,553.1	1.05%	12,317.8	0.28%
	Access to HPC	64	420.9	0.01%	420.9	0.01%	911.7	0.02%
	Access to HPC	20	11.5	0.00%	11.5		6,433.7	0.15%
	Access to HPC	63	54.7	0.00%	1,424.2	0.03%	2,375.5	0.05%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,032.4	0.12%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	11,862.1	0.27%
	Access to HPC	10	3.1	0.00%	3.1	0.00%	13,023.8	0.30%
EPSRC Total n01	Consortia	90,733 2,331	1,700,600.6 43,552.9		2,934,602.7 63,052.4	67.54% 1.45%	2,399,943.3 153,773.9	55.23% 3.54%
n02		29,627	43,332.9		430,320.3		438,675.3	10.10%
n03	Consortia	2,978	154,038.2	3.55%	155,613.7	3.58%	110,101.8	2.53%
NERC Total	OUTIOUTIA	34,936	616,693.3	14.19%	648,986.4	14.94%	702,551.0	16.17%
b19	Class1a		0.0	0.00%	0.0	0.00%	1,405.6	0.03%
e621	Class1a		0.0	0.00%	0.0	0.00%	2,153.1	0.05%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	3,558.7	0.08%
pr1u1555	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	163.6	0.00%
pr1u1653	DECI: EXEC	11	4,192.7	0.10%	4,192.7	0.10%	5,743.8	0.13%
pr1u1654		0	0.0	0.00%	0.0	0.00%	674.2	0.02%
pr1u1657	DECI: EXEC	6	192.1	0.00%	192.1	0.00%	531.5	0.01%
pr1u1659		189	212.1	0.00%	212.4	0.00%	1,579.6	0.04%
pr1u1751	DECI: EXEC	72	202.6	0.00%	202.6	0.00%	1,619.5	0.04%
pr1u1752		0	0.0	0.00%	0.0	0.00%	1,924.5	0.04%
pr1u1753	DECI: EXEC	405	34,856.0	0.80%	34,869.8		3,344.8	0.08%
pr1u1754	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,646.2	0.06%
pr1u1755 pr1u1756		0 13	0.0 1,728.3	0.00% 0.04%	0.0 1,728.3	0.00% 0.04%	1,732.1 4,083.6	0.04% 0.09%
pr1u1750	DECI: EXEC	6	0.1	0.04%	0.1	0.04%	915.6	0.09%
pr1u1758		32	2,830.9	0.07%	2,830.9	0.07%	714.5	0.02%
pr1u1759		43	4,871.0	0.11%	4,871.0	0.11%	1,538.6	0.04%
pr1u1760		0	0.0	0.00%	0.0	0.00%	577.3	0.01%
pr1u1702		77	2,675.7	0.06%	2,675.7	0.06%	1,700.5	0.04%
pr1u1707	DECI: HOME	8	172.7	0.00%	172.7	0.00%	1,473.4	0.03%
pr1ush01	DECI: HOME	60	575.0	0.01%	575.0		406.4	0.01%
pr1ush02	DECI: HOME	10	2.2	0.00%	2.2	0.00%	113.6	0.00%
pr1ushpc	DECI: HOME	1	0.0	0.00%	0.0	0.00%	82.8	0.00%
PRACE Total		933	52,511.5	1.21%	52,525.5	1.21%	31,566.1	0.73%
ecseaa06		0	0.0	0.00%	0.0	0.00%	184.1	0.00%
ecseaa09	eCSE	0	0.0	0.00%	0.0	0.00%	92.1	0.00%
ecseaa11	eCSE	31	57.2		57.2	0.00%	78.5	0.00%
ecseaa12			0.0	0.00%	0.0		67.9	0.00%
ecseaa13			0.0		0.0 0.0		184.1 102.8	0.00% 0.00%
ecseaa19 ecseaa21			0.0	0.00%	0.0		66.3	0.00%
ecseaa26		0	0.0		0.0		126.3	0.00%
ecseab02			0.0		0.0	0.00%	92.9	0.00%
ecseab03			0.0		0.0		150.1	0.00%
ecseab06			1.2	0.00%	1.2		10.2	0.00%
ecseab11			2.2		2.2	0.00%	19.0	0.00%
ecseab12	eCSE	0	0.0		0.0		103.0	0.00%
ecseac02			1,821.2	0.04%	1,821.2	0.04%	56.8	0.00%
ecseac04			0.0		0.0		101.3	0.00%
ecseac05			8.4	0.00%	8.4	0.00%	63.8	0.00%
ecseac06			220.9		220.9		78.7	0.00%
ecseac10		0	0.0	0.00%	0.0	0.00%	112.9	0.00%
ecseac12			0.0		0.0		84.1	0.00%
ecseac14			0.0	0.00%	0.0		65.3	0.00%
ecsead01	eCSE	0	0.0	0.00%	0.0	0.00%	98.1	0.00%
ecsead05			0.0		0.0	0.00%	93.5	0.00%
ecsead06			58.6	0.00% 0.00%	58.6 0.0		73.8 65.9	0.00% 0.00%
ecsead07 ecsead08			0.0 1.6		6.7	0.00%	65.9 77.9	
eCSE Total		500			2,176.4		2,249.2	0.00%
ecse rotal		500	2,171.2	0.05%	2,170.4	0.05%	2,249.2	0.05%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d35	Research	96	1.3		1.3	0.00%		0.00%
d56	Research	642	9,590.1	0.22%	9,679.9	0.22%		
d114	Research	1,497	5,682.8		5,688.3	0.13%		0.36%
d118	Research	65	879.2		936.5	0.02%		
d137	Research	0	0.0		0.0	0.00%		0.04%
d142	Research	243	879.6		71,762.5	1.65%		0.04%
d155	Research	2,831	12,863.3		15,214.8	0.35%		0.21%
d170	Research	128	86.2		86.2	0.00%		0.00%
d175	Research	220	676.2		676.2	0.02%		0.03%
d179	Research	31	2,086.8		2,225.0	0.05%		0.08%
d182	Research	472	2,327.3		2,327.3	0.05%		0.01%
d429	Research	532	2,379.0		2,383.5	0.05%	7,036.0	0.16%
dc129	Research	9,561	2,762.0		2,763.2	0.06%		0.04%
d105	Industrial	0	0.0		0.0	0.00%		0.07%
d181	Industrial	0	0.0		0.0	0.00%		
d432	Industrial	68	544.2		577.3	0.01%		0.03%
d433	Industrial	0	0.0		0.0	0.00%	78.2	0.00%
i18	Industrial	38	3.7	0.00%	3.7	0.00%	2,348.0	0.05%
i21	Industrial	17,989	174,330.2		137,913.5	3.17%		0.39%
i24	Industrial	19	48.8		48.8	0.00%		0.00%
i238	Industrial	0	0.0		0.0	0.00%		0.01%
i239	Industrial	49	11.2		11.2	0.00%	825.6	0.02%
i241	Industrial	63	5,671.4		5,671.4	0.13%		0.02%
ic062	Industrial	0	0.0		0.0	0.00%		
d176	Training	1,012	18.8		18.8	0.00%	31.5	0.00%
d180	Training	3,397	822.6		1,182.0	0.03%	328.5	0.01%
ta046	Training	0	0.0		0.0	0.00%		0.00%
ta047	Training	0	0.0		0.0	0.00%		0.00%
ta050	Training	0	0.0		0.0	0.00%		0.00%
ta051	Training	0	0.0		0.0	0.00%		0.00%
ta053	Training	0	0.0		0.0	0.00%	33.6	0.00%
ta054	Training	0	0.0		0.0	0.00%	70.4	0.00%
ta055	Training	15	0.2		0.2	0.00%		0.00%
ta056	Training	0	0.0		0.0	0.00%		0.00%
ta057	Training	679	7.5		5.6	0.00%	46.9	0.00%
ta058	Training	370	13.4		14.8	0.00%		0.00%
ta059	Training	0	0.0		0.0	0.00%		0.00%
ta060	Training	209	17.1	0.00%	11.8	0.00%	96.8	0.00%
ta061	Training	0	0.0		0.0	0.00%		0.00%
ta062	Training	0	0.0		0.0	0.00%	19.7	0.00%
ta063	Training	0	0.0		0.0	0.00%		0.00%
ta064	Training	0	0.0		0.0			0.00%
ta065	Training	0	0.0		0.0			
ta066	Training	0	0.0		0.0	0.00%		
y01	Service	0	0.0		0.0	0.00%		0.00%
y02	Service	415	15.3		15.3	0.00%		0.00%
y23	Service	0	0.0		0.0	0.00%		
z19	Service	18,156	27,753.1	0.64%	29,677.2	0.68%		0.59%
z99	Service	0	0.0		0.0	0.00%		
d177	UoE Access	26	0.1		0.1	0.00%		
DirectorsTime Total		58,823	249,471.4	5.74%	288,896.5	6.65%	104,366.9	2.40%
z02	Service	53	0.9	0.00%	0.9	0.00%		
CSE Total		53	0.9		0.9	0.00%	372.5	0.01%
Total		185,978	2,621,448.9	60.33%	3,927,188.3	90.38%	3,244,607.8	74.67%

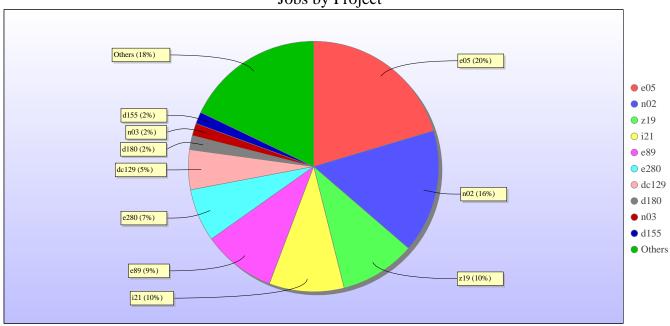
Use by Project







Jobs by Project



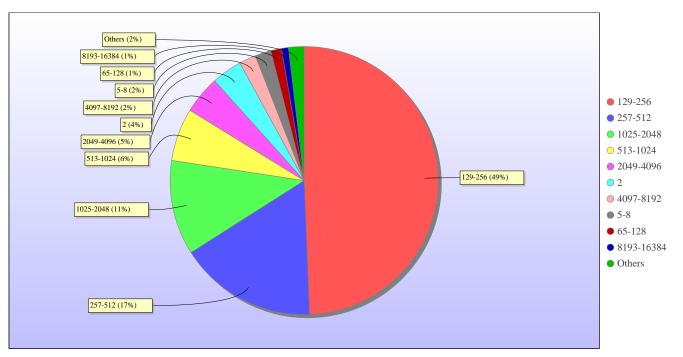
CUs (by Size)

Size	CUs	Number of Jobs
1	0	288
2	0	6,840
3-4	0	42
5-8	0	3,596
9-16	0	54
17-32	0	156
33-64	0	81
65-128	0	2,397
129-256	299,016.182	91,793
257-512	150,423.059	30,928
513-1024	294,290.726	11,840
1025-2048	389,801.185	21,244
2049-4096	324,637.005	8,524
4097-8192	284,564.422	3,764
8193-16384	175,241.084	1,561
16385-32768	300,468.36	1,360
32769-65536	161,286.29	816
65537-131072		478
131073-262144	59,766.241	196
262145-524288	4,294.542	13
524289-1048576	699.9	4

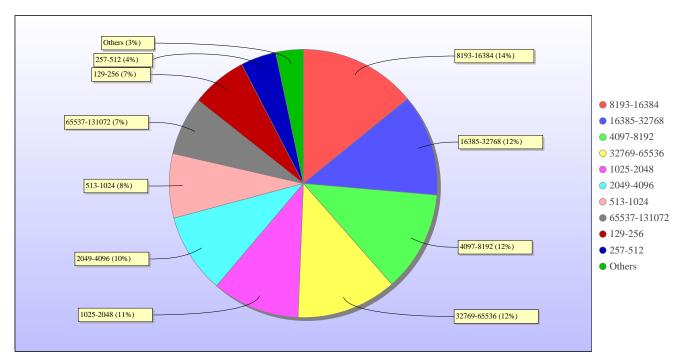
Load plots



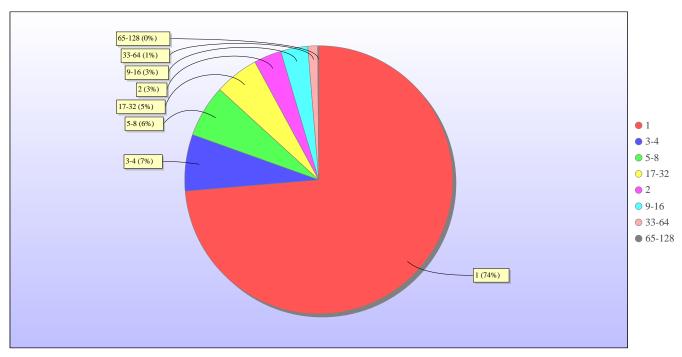
Percentage load on machine



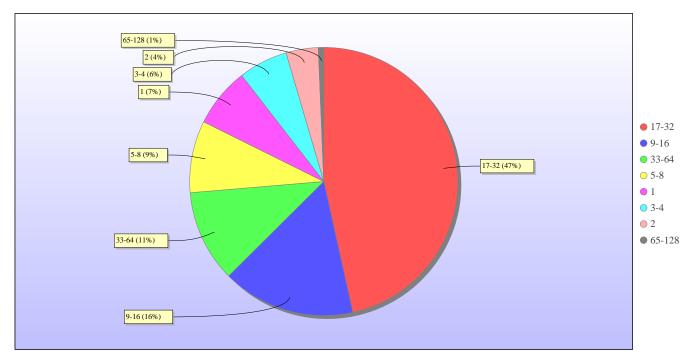
Jobs by Size



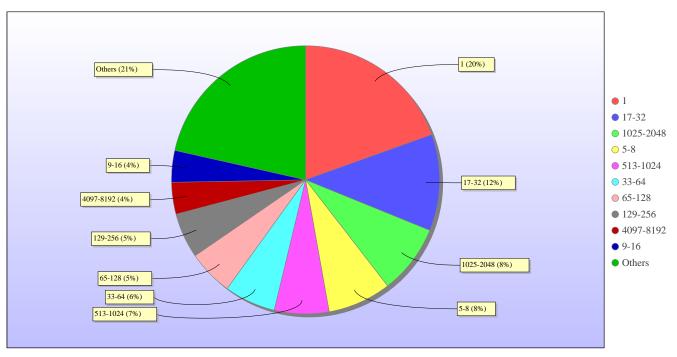
CUs used by Size



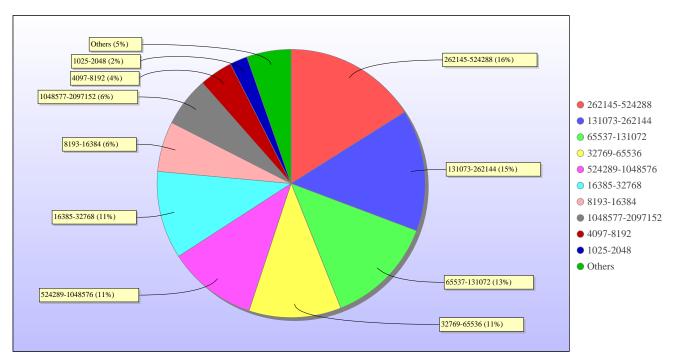
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

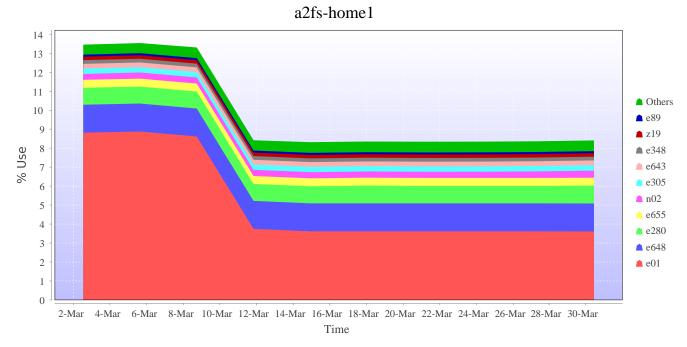


CUs used grouped by core-hours

Disk usage

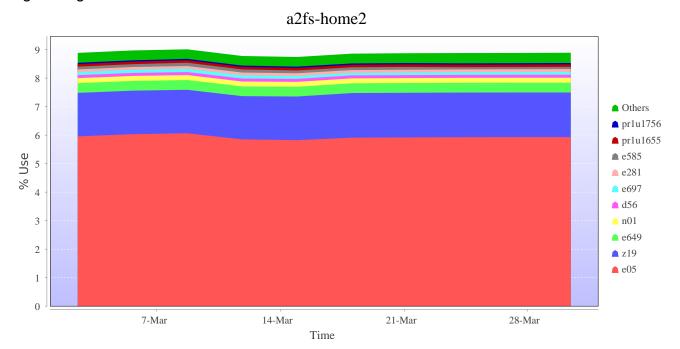
Disk usage for home (a2fs-home1)

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.



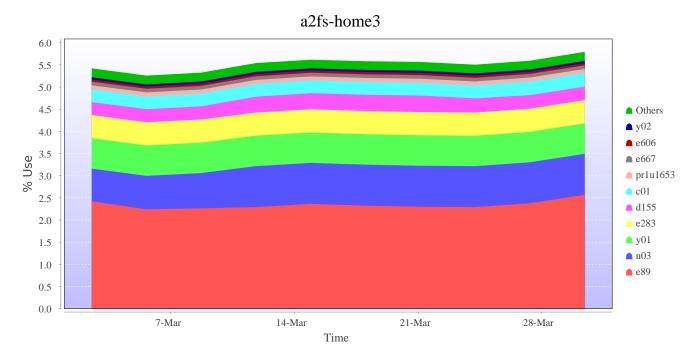
Disk usage for home (a2fs-home2)

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.



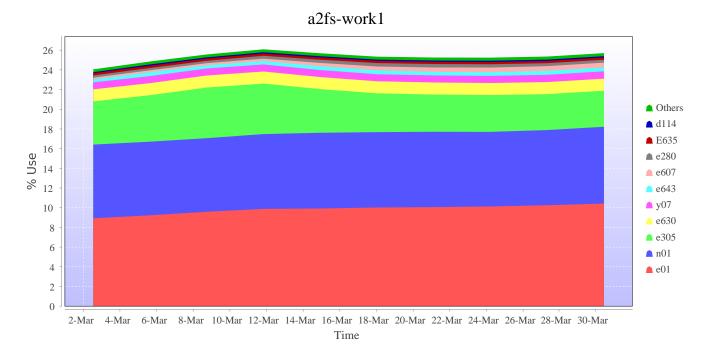
Disk usage for home (a2fs-home3)

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.



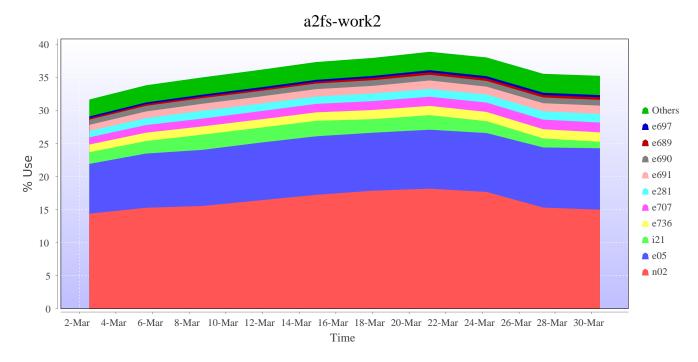
Disk usage for work (a2fs-work1)

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.



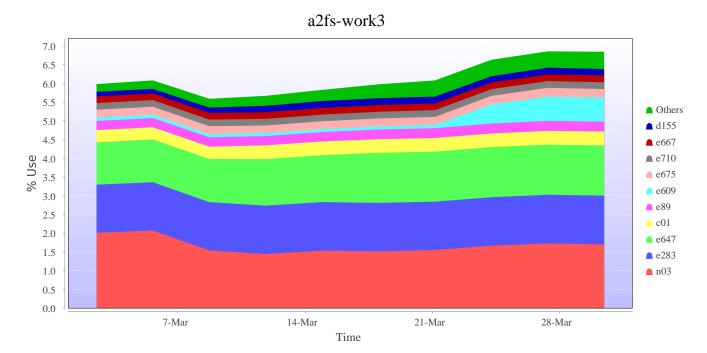
Disk usage for work (a2fs-work2)

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.



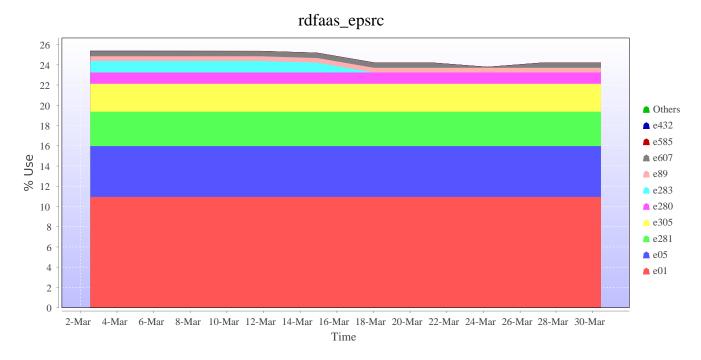
Disk usage for work (a2fs-work3)

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 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.

