Monthly Reporting

Report from 01 October 2024 to 31 October 2024

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.

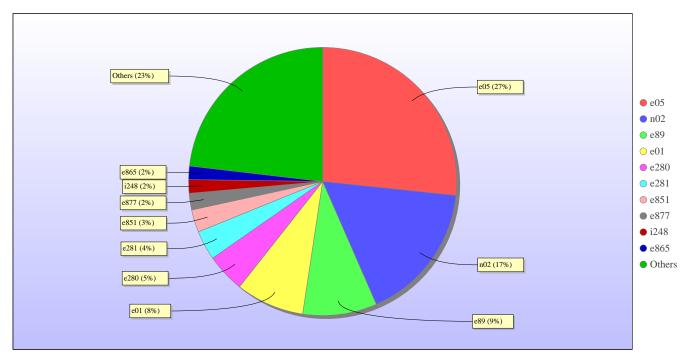
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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	1,019	80.0	0.00%	80.0		21,637.9	
e760	Leadership Awards	0	0.0	0.00%	0.0		491.7	
e786	Leadership Awards	48	883.7	0.02%	883.7		9,773.3	
e787	Leadership Awards	335	58,274.4	1.34%	58,323.9	1.34%	60,042.6	1.38%
e820	Leadership Awards	10	504.2	0.01%	504.2	0.01%	8,190.7	0.199
e821	Leadership Awards	0	0.0	0.00%	0.0		3,561.3	
e861	Leadership Awards	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e862	Leadership Awards	0	0.0	0.00%	0.0	0.00%	809.6	0.029
e731	Pioneer Projects	70	2,422.0		2,422.0		25,300.0	
e744	Pioneer Projects	239	17,685.6	0.41%	18,222.5		19,349.4	
e808	Pioneer Projects	203	2,658.1	0.06%	11,535.9	0.26%	7,132.8	0.169
e809	Pioneer Projects	278	6,491.8	0.15%	64,297.9	1.48%	26,986.6	0.629
e810	Pioneer Projects	92	19,716.4	0.45%	19,716.4		37,950.0	0.879
e812	Pioneer Projects	59	3,935.8	0.09%	3,935.8	0.09%	14,775.2	
e813	Pioneer Projects	368	15,848.9	0.36%	15,848.9	0.36%	23,950.6	0.55%
e814	Pioneer Projects	15	19,008.5	0.44%	22,106.1	0.51%	41,397.5	0.959
e815	Pioneer Projects	906	54,424.3		54,424.9		22,264.0	
e817	Pioneer Projects	148	9,456.3		9,456.3		77,215.5	
c01	Class1a	1,388	12,105.9		12,823.2		24,790.8	
e348	Class1a	8,046	23,171.8	0.53%	23,173.8	0.53%	42,605.2	0.989
e609	Class1a	127	7,194.7	0.17%	7,194.8		7,364.4	
e643	Class1a	348	7,507.1	0.17%	7,507.1		20,240.0	
e647	Class1a	148	132.4	0.00%	142.3		12,180.4	
e705	Class1a	9	5,373.9	0.12%	5,373.9	0.12%	4,000.8	0.099

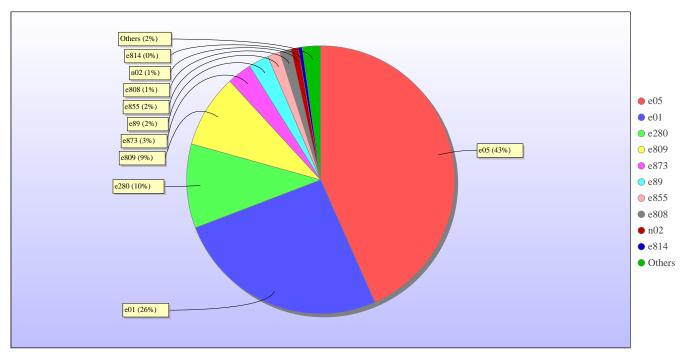
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e707	Class1a	91	14,490.0		14,494.8	0.33%	11,128.6	0.26%
e710	Class1a	162	5,587.6		5,588.1	0.13%	2,316.5	
e712	Class1a	86	43,967.3		44,697.6		16,866.7	0.39%
e720	Class1a	450	25,342.0		25,388.0		36,432.0	0.84%
e721	Class1a	239	1,655.4	0.04%	1,659.1	0.04%	2,248.3	0.05%
e728	Class1a	293	4,962.6		4,962.6		2,422.3	0.06%
e751	Class1a	1	147.1	0.00%	147.1	0.00%	7,590.0	0.17%
e752	Class1a	222	4,211.9		4,211.9		3,542.0	0.08%
e763	Class1a	204	5,603.6		5,603.6		12,169.9	
e764	Class1a	5	48.2		48.2	0.00%	5,706.7	0.13%
e767	Class1a	896	9,320.6		9,320.6		14,940.9	
e769	Class1a	172	1,775.7	0.04%	1,775.7	0.04%	22,658.2	0.52%
e770	Class1a	187	42,009.8	0.96%	42,047.5	0.97%	12,002.3	0.28%
e793	Class1a	143	3,698.3	0.08%	3,698.3	0.08%	28,322.7	0.65%
e835	Class1a	117	3,714.8	0.09%	3,714.8	0.09%	9,576.3	0.22%
e838	Class1a	0	0.0	0.00%	0.0	0.00%	8,433.3	0.19%
e855	Class1a	1,181	13,241.8	0.30%	23,163.2	0.53%	39,436.1	0.91%
e01	Consortia	3,618	176,081.5	4.04%	344,929.5	7.92%	345,800.1	7.94%
e05	Consortia	40,010	833,228.6	19.12%	1,115,271.3	25.60%	780,082.6	17.91%
e89	Consortia	26,558	358,102.7		374,137.6	8.59%	374,777.0	8.60%
e280	Consortia	12,855	129,472.0		195,780.9		210,833.1	4.84%
e281	Consortia	7,239	147,857.2	3.39%	148,802.1	3.42%	118,066.6	2.71%
e283	Consortia	2,085	37,724.3		39,149.4	0.90%	66,285.9	
e772	Consortia	2,192	53,386.3		53,386.3		63,249.9	
e773	Consortia	1,307	29,051.7	0.67%	29,194.1	0.67%	31,218.1	0.72%
e818		0	0.0	0.00%	0.0	0.00%	4,168.5	0.10%
e853		61	8.6		8.6		225.3	0.01%
e856		0	0.0	0.00%	0.0	0.00%	271.1	0.01%
e857	Pump Priming	0	0.0		0.0	0.00%	43.7	0.00%
e859		10	720.1	0.02%	720.1	0.02%	620.7	0.01%
e872		0	0.0		0.0	0.00%	576.1	0.01%
e874	1 0	0	0.0	0.00%	0.0	0.00%	674.7	0.02%
e879		0	0.0		0.0	0.00%	674.7	0.02%
z61	Research	0	0.0	0.00%	0.0	0.00%	0.4	0.00%
ta171	Training	0	0.0	0.00%	0.0	0.00%	5,744.0	0.13%
	Access to HPC	86	585.8		585.8		4,938.1	0.11%
	Access to HPC	1,983	11,407.1	0.26%	11,431.1	0.26%	7,292.5	
	Access to HPC Access to HPC	48	1,084.4		1,084.4	0.02%	8,700.3	0.20%
-	Access to HPC	383	6,341.4	0.15%	6,341.4	0.15%	4,569.8	0.10%
	Access to HPC	97 344	2,462.2 2,664.7	0.06% 0.06%	2,462.2 2,664.7	0.06% 0.06%	2,378.2 7,940.8	0.05% 0.18%
	Access to HPC	0	0.0		0.0		27,947.9	
	Access to HPC	349	336.5		336.5		20,591.5	
	Access to HPC	0	0.0		0.0		2,804.6	
	Access to HPC	250	1,415.6		1,582.0		6,677.7	0.00%
	Access to HPC	32	2,963.5		2,963.5	0.07%	5,269.6	0.13%
	Access to HPC	346	2,457.6		4,378.4		12,869.1	0.30%
	Access to HPC	11	13,634.0		13,634.0	0.31%	9,361.2	0.21%
	Access to HPC	46	7,053.3		7,053.3		5,270.8	
	Access to HPC	529	12,307.3		14,183.4		13,925.1	0.32%
	Access to HPC	610	64,601.5		65,365.8		23,613.3	0.54%
	Access to HPC	154	373.7		373.7	0.01%	2,024.0	0.05%
	Access to HPC	88	338.8		338.8		5,481.7	0.13%
	Access to HPC	3,385	15,533.4		15,534.2		17,204.0	0.39%
	Access to HPC	376	113,428.8		113,428.8	2.60%	75,899.9	1.74%
	Access to HPC	3	503.3		503.3		2,293.9	0.05%
	Access to HPC	97	3,802.3		3,802.3		8,422.6	
e864	Access to HPC	500	3,454.8		3,454.8		3,423.3	0.08%
	Access to HPC	6,631	67,572.8		67,576.1	1.55%	25,294.3	0.58%
e866	Access to HPC	2	2,060.8		2,060.8		18,661.1	0.43%
e868	Access to HPC	0	0.0	0.00%	0.0	0.00%	6,137.3	0.14%
	Access to HPC	76	2,343.0	0.05%	2,343.0	0.05%	5,237.2	0.12%
e871	Access to HPC	187	902.2	0.02%	902.2	0.02%	341.0	0.01%

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
	Class	of Jobs	CUs	Utilisation			CUs	
	Access to HPC	46	13,215.8		32,510.8		13,490.3	0.31%
	Access to HPC	53	698.3	0.02%	1,275.9		5,114.4	0.12%
	Access to HPC	51	2,370.5	0.05%	2,370.5		2,023.5	0.05%
	Access to HPC	444	83,345.4	1.91%	83,922.6		74,196.5	1.70%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	8,524.0	0.20%
	Access to HPC	10	2,921.1	0.07%	2,921.1	0.07%	6,745.1	0.15%
	Access to HPC Access to HPC	17 894	1.5 5,409.6		1.5 5,409.6	0.00% 0.12%	863.4 12,400.7	0.02% 0.28%
	Access to HPC	190	1,795.1	0.12%	1,851.6		17,048.1	0.26%
EPSRC Total	Access to Till C	132,558	2,661,671.8		3,304,522.7	75.85%	3,226,092.6	74.05%
n01	Consortia	1,984	45,917.8		46,977.4	1.08%	105,456.6	2.42%
n02	Consortia	72,532	695,737.7	15.97%	701,465.0	16.10%	708,855.6	16.27%
n03	Consortia	1,840	23,575.2		24,522.5	0.56%	100,268.8	2.30%
NERC Total		76,356	765,230.7	17.56%	772,964.8	17.74%	914,581.1	20.99%
b19	Class1a	1	24.9	0.00%	24.9	0.00%	1,482.1	0.03%
BBSRC Total		1	24.9	0.00%	24.9	0.00%	1,482.1	0.03%
e756		88	493.0	0.01%	493.0	0.01%	5,087.6	0.12%
	Awards							
e860		353	1,294.1	0.03%	1,294.1	0.03%	1,705.6	0.04%
- 700	Awards	040	47.005.5	0.4007	47.005.5	0.4007	00.054.0	0.040/
e723		619	17,305.5		17,305.5		39,651.8	0.91%
e738 UKRI Total	Class1a	52 1,112	83.4 19,176.0	0.00% 0.44%	83.4 19,176.0	0.00% 0.44%	16,866.7 63,311.6	0.39% 1.45%
ecseag09	eCSE	1,112	19,176.0	0.44%	19,176.0		189.4	0.00%
ecseag09	eCSE	171	15.8	0.00%	15.8	0.00%	101.9	0.00%
ecseano1	eCSE	111	3.4	0.00%	6.6	0.00%	54.5	0.00%
ecseai04		21	0.0	0.00%	0.0	0.00%	166.4	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	124.8	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	59.0	0.00%
ecseaj02	eCSE	578	59.3		59.5		59.4	0.00%
ecseak01	eCSE	0	0.0	0.00%	0.0	0.00%	63.0	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	141.2	0.00%
ecseak03		250	0.3		49.8		67.9	0.00%
ecseak05	eCSE	22	16.1	0.00%	20.7	0.00%	125.8	0.00%
ecseak07	eCSE	32	59.7	0.00%	59.7	0.00%	84.8	0.00%
ecseak09		0	0.0	0.00%	0.0		71.8	0.00%
ecseak10		0	0.0	0.00%	0.0	0.00% 0.00%	96.6	0.00%
ecseak11	eCSE eCSE	0	0.0	0.00%	0.0		195.5	0.00%
ecseak12 ecseak14	eCSE	0	0.0	0.00% 0.00%	0.0 0.0	0.00% 0.00%	60.2 167.0	0.00% 0.00%
ecseak15	eCSE	0	0.0	0.00%	0.0	0.00%	170.1	0.00%
ecseak16		29	6.0		29.0		70.4	
ecsega20		0	0.0		0.0		136.1	0.00%
ecsega23		0	0.0	0.00%	0.0		154.4	0.00%
ecsega29		34	1.2		26.8		90.7	0.00%
eCSE Total		1,252	162.0	0.00%	267.9	0.01%	2,450.9	0.06%
d35		1,561	131.5		131.5		413.9	0.01%
d142		0	0.0		0.0		425.2	0.01%
d183		66	177.5		177.5		83.4	0.00%
d184		0	0.0	0.00%	0.0		4.3	0.00%
d193		0	0.0	0.00%	0.0	0.00%	682.2	0.02%
d196		0	0.0	0.00%	0.0	0.00%		0.00%
d197		0	0.0		0.0		678.4	0.02%
d198		0	0.0	0.00%	0.0	0.00%	28.3	0.00%
d199 d200		0	0.0	0.00% 0.00%	0.0 0.0	0.00% 0.00%	453.2 19.5	0.01% 0.00%
d200 d435		77	95.1	0.00%	96.2	0.00%	3,816.6	
d442		0	0.0		0.0		154.4	0.09%
d443		54	874.0		874.0		1,632.9	0.04%
i246		42	0.0	0.00%	739.4	0.02%	0.1	0.00%
d195		0	0.0	0.00%	0.0		83.2	0.00%
d433		62	447.7	0.01%	447.7	0.01%	17.0	0.00%
d440		0	0.0		0.0		0.8	

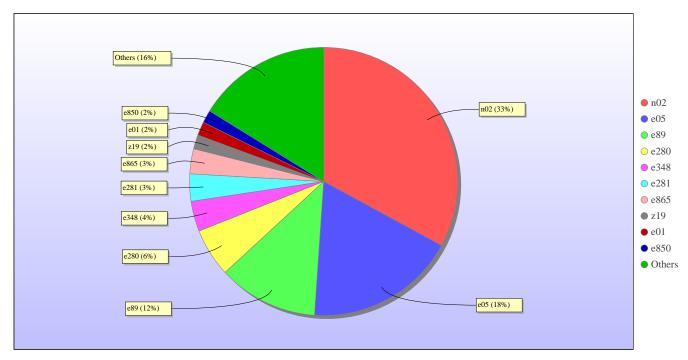
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d441	Industrial	353	233.3	0.01%	1,130.8	0.03%	156.7	0.00%
i01	Industrial	2	0.0	0.00%	0.0	0.00%	584.6	0.01%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,124.1	0.03%
i26	Industrial	0	0.0	0.00%	0.0	0.00%	92.7	0.00%
i29	Industrial	27	134.9	0.00%	134.9	0.00%	1,738.0	0.04%
i239	Industrial	641	2,640.2		2,640.2	0.06%	1,490.9	0.03%
i241	Industrial	0	0.0		0.0	0.00%	153.7	0.00%
i242	Industrial	42	1,067.3	0.02%	1,067.3	0.02%	828.0	0.02%
i243	Industrial	0	0.0		0.0	0.00%	660.7	0.02%
i244	Industrial	3	6.4		6.4	0.00%	879.4	0.02%
i248	Industrial	659	68,506.3	1.57%	68,507.7	1.57%	22,961.8	0.53%
i250	Industrial	0	0.0		0.0	0.00%	2.1	0.00%
i251	Industrial	15	245.3		245.6	0.01%	242.3	0.01%
i252	Industrial	61	83.8	0.00%	83.8	0.00%	378.6	0.01%
ta178	Industrial	123	1.6	0.00%	1.6	0.00%	124.4	0.00%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	339.6	0.01%
m24hw	Training	0	0.0	0.00%	0.0	0.00%	483.5	0.01%
m24oc	Training	0	0.0	0.00%	0.0	0.00%	967.0	0.02%
m24ol	Training	63	5.5	0.00%	5.5	0.00%	483.5	0.01%
m24ext	Training	0	0.0	0.00%	0.0	0.00%	96.7	0.00%
mdisspt	Training	161	1.5	0.00%	1.5	0.00%	595.3	0.01%
ta124	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta125	Training	0	0.0		0.0	0.00%	19.1	0.00%
ta126	Training	0	0.0		0.0	0.00%	31.8	0.00%
ta127	Training	0	0.0	0.00%	0.0	0.00%	661.5	0.02%
ta135	Training	2	0.1	0.00%	0.1	0.00%	1,022.0	0.02%
ta136	Training	7	0.1	0.00%	0.1	0.00%	15.3	0.00%
ta156	Training	0	0.0		0.0	0.00%	31.8	0.00%
ta157	Training	63	693.1	0.02%	693.6	0.02%	508.9	0.01%
ta162	Training	0	0.0		0.0	0.00%	29.7	0.00%
ta165	Training	0	0.0		0.0	0.00%	20.1	0.00%
ta167	Training	137	1,115.3		1,115.3	0.03%	1,309.8	
ta169	Training	178	5.6		5.6	0.00%	15.9	
ta170	Training	159	66.0		71.5	0.00%	509.9	0.01%
ta172	Training	2	0.0		0.0	0.00%	211.4	0.00%
ta173	Training	71	248.6		165.9	0.00%	157.7	0.00%
ta174	Training	0	0.0		0.0	0.00%	102.3	0.00%
ta175	Training	0	0.0	0.00%	0.0	0.00%	65.2	0.00%
ta176	Training	145	0.7		1.3	0.00%	77.2	0.00%
ta177	Training	0	0.0		0.0	0.00%	127.7	0.00%
ta179	Training	0	0.0		0.0	0.00%	265.4	0.01%
ta180	Training	0	0.0		0.0	0.00%		
ta181	Training	0	0.0		0.0	0.00%		0.00%
d201	GPU 1b	4	0.0		0.0	0.00%		0.00%
d438	Service	0	0.0		0.0	0.00%	5,643.1	0.13%
d439	Service	0	0.0		0.0	0.00%	′ 1	0.19%
y01	Service	0	0.0		0.0	0.00%	74.9	
y02	Service	468	97.8		119.6	0.00%		0.10%
y07	Service	0	0.0		0.0	0.00%		
z02	Service	2	0.2		0.2	0.00%	8.5	
z19	Service	3,738	5,960.2		5,973.8	0.14%	42,639.7	0.98%
z99	Service	0,700	0.0		0.0	0.00%	0.8	
DirectorsTime	3030	8,988	82,839.7		84,438.7	1.94%		2.50%
Total		3,550	02,000.7	1.5570	5 1, 100.7	1.5 770	. 50,555.0	2.0070
z19	Service	25	24.3	0.00%	24.3	0.00%	0.0	0.00%
	Access to HPC	1	768.0		768.0	0.02%		0.00%
Total	.55555 10 111 0	26	792.3		792.3	0.02%		0.00%
Total		220,293	3,529,897.4		4,182,187.4	95.99%		
rotal		220,233	0,020,007.4	01.02/0	7,102,107.4	33.33/0	T,5 10,301.3	33.03/0



Use by Project



Uncharged Use by Project

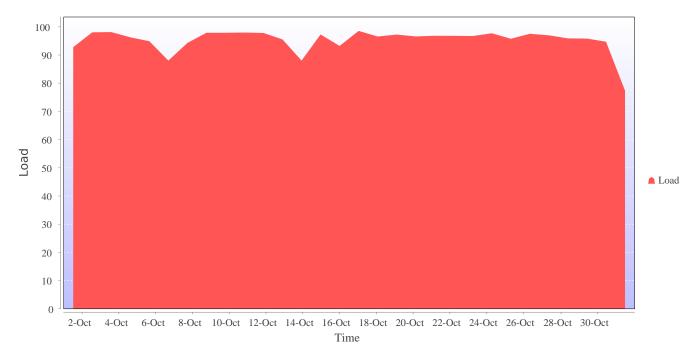


Jobs by Project

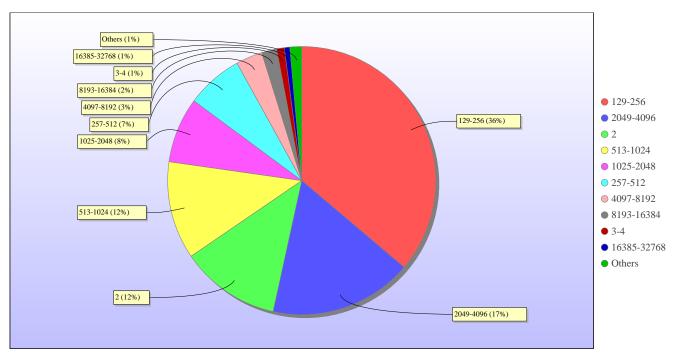
CUs (by Size)

Size	CUs	Number of Jobs
1	0	31
2	0	26,496
3-4	0	2,052
5-8	0	707
9-16	0	69
17-32	0	391
33-64	0	423
65-128	0	4
129-256	180,535.917	79,705
257-512	150,218.826	
513-1024	340,003.129	
1025-2048	464,560.537	
2049-4096	695,705.84	
4097-8192	447,437.888	7,017
8193-16384	610,678.85	
16385-32768	330,918.112	1,440
32769-65536	210,722.864	588
65537-131072	71,673.597	882
131073-262144	23,221.488	40
262145-524288	0	2
524289-1048576	0	1

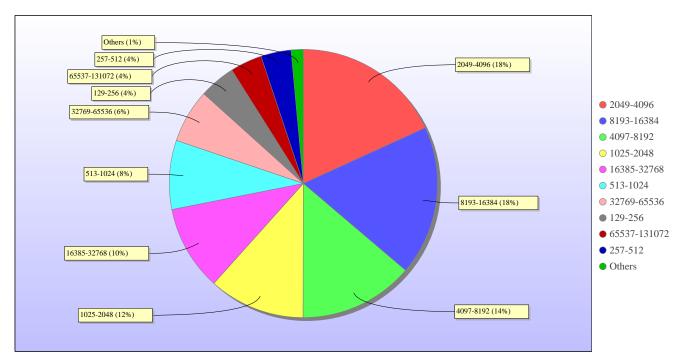
Load plots



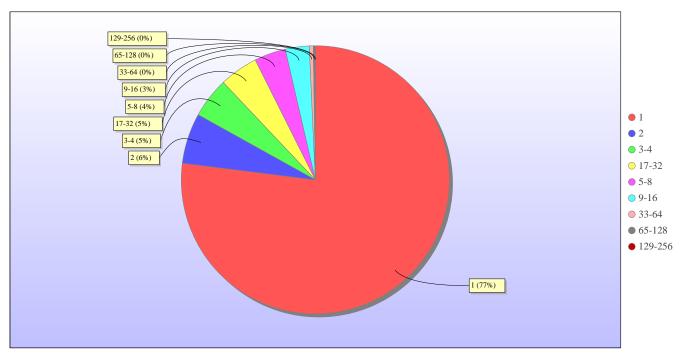
Percentage load on machine



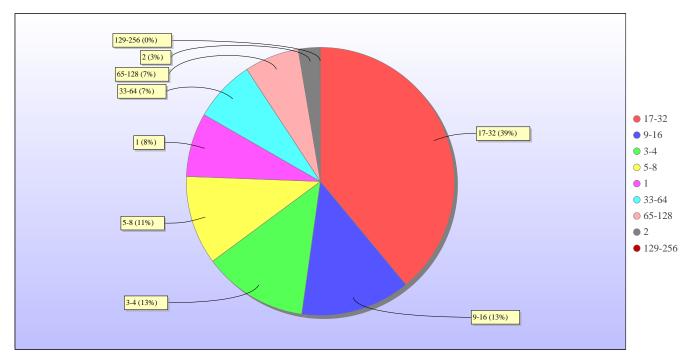
Jobs by Size



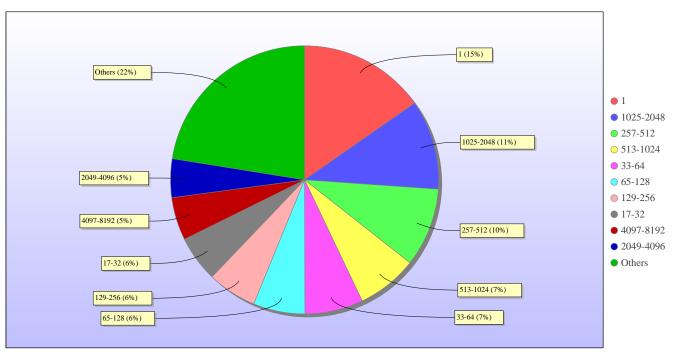
CUs used by Size



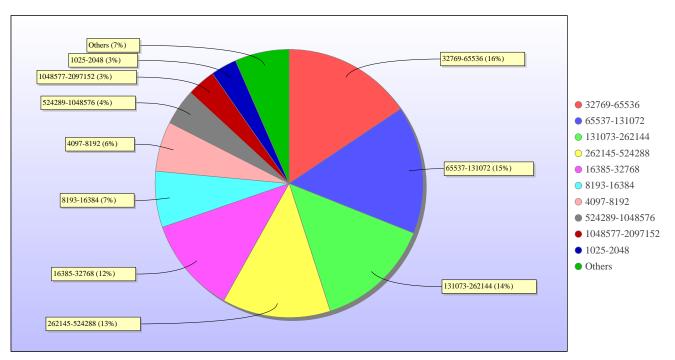
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

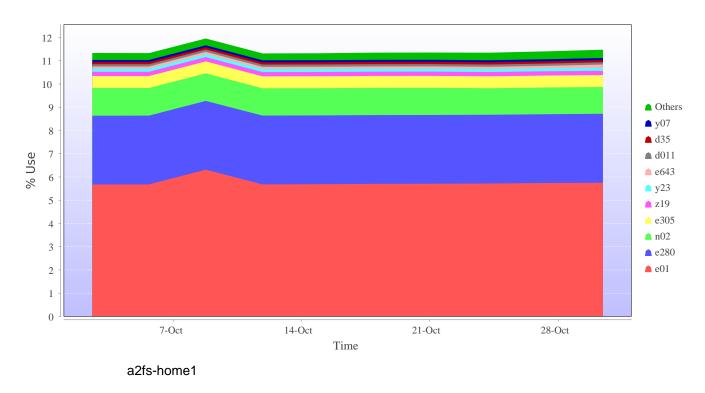


CUs used grouped by core-hours

Disk usage

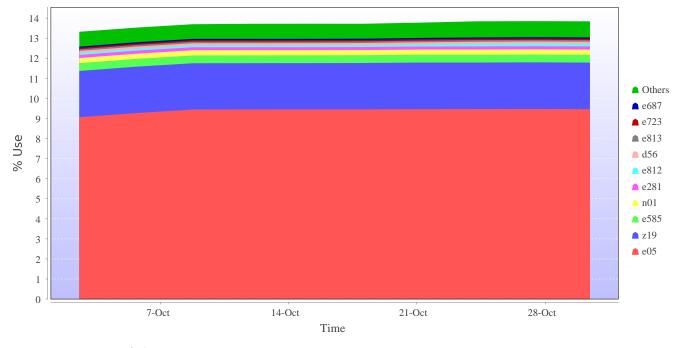
Disk usage for home (a2fs-home1)

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)

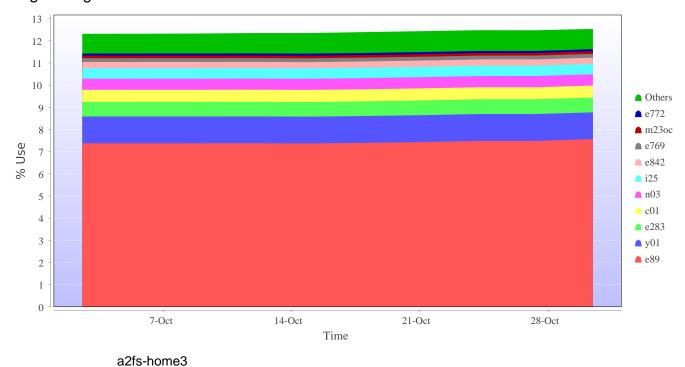
This is a plot of Disk Use on a2fs-home2 against time. The plot is divided into a number of classes according to Project. This is a stacked plot so the top of the plot represents the total usage at a given time.



a2fs-home2

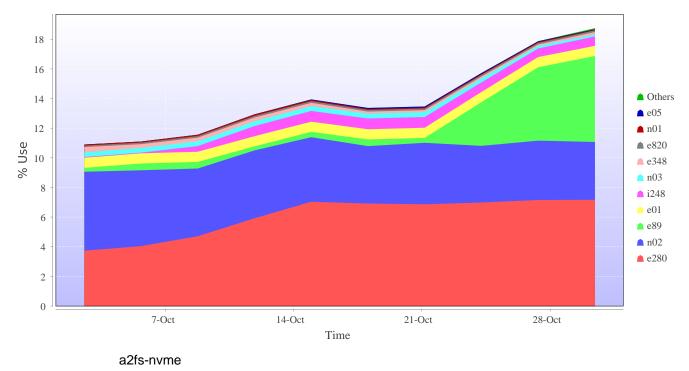
Disk usage for home (a2fs-home3)

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.



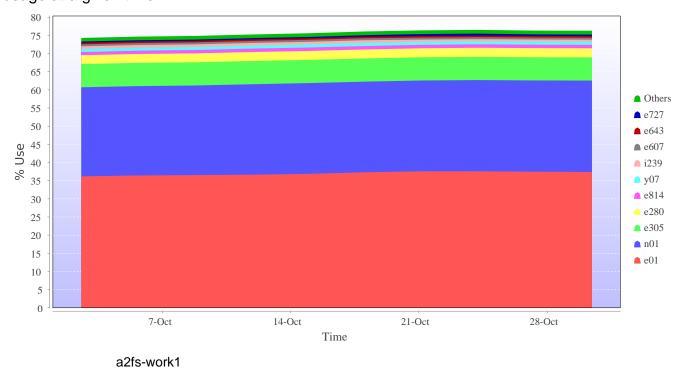
Disk usage for scratch (a2fs-nvme)

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.



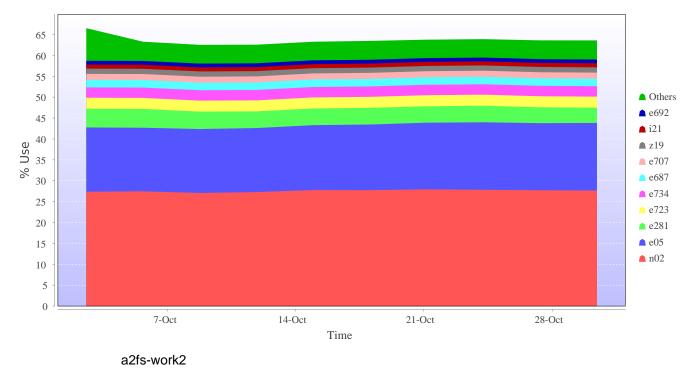
Disk usage for work (a2fs-work1)

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.



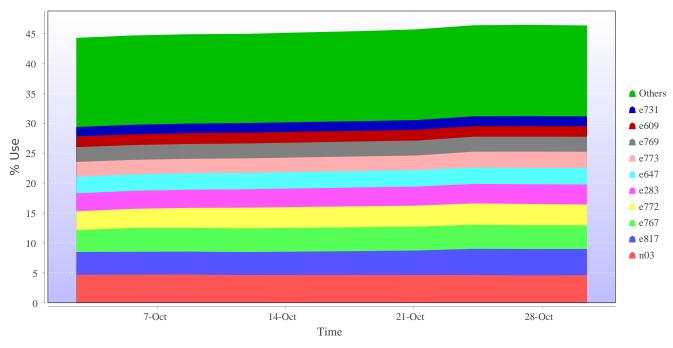
Disk usage for work (a2fs-work2)

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.



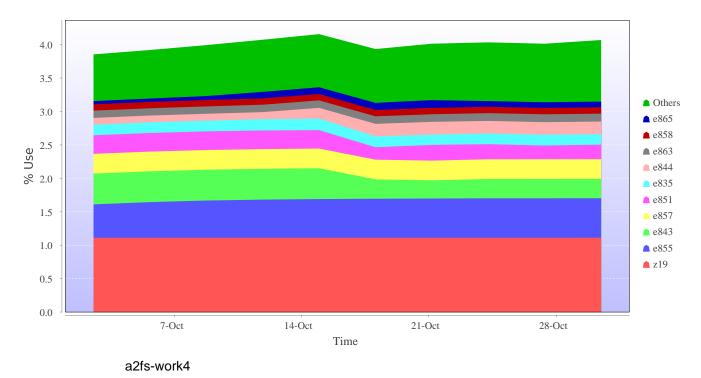
Disk usage for work (a2fs-work3)

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.



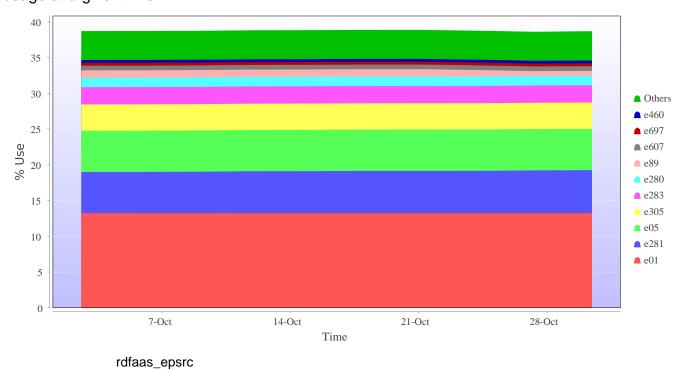
a2fs-work3 Disk usage for work (a2fs-work4)

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.



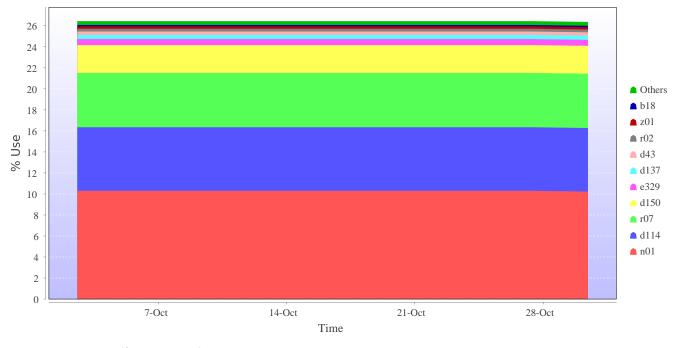
Disk usage for epsrc (rdfaas_epsrc)

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.



rdfaas_general