Monthly Reporting

Report from 01 July 2021 to 30 September 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 2,260,992 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.

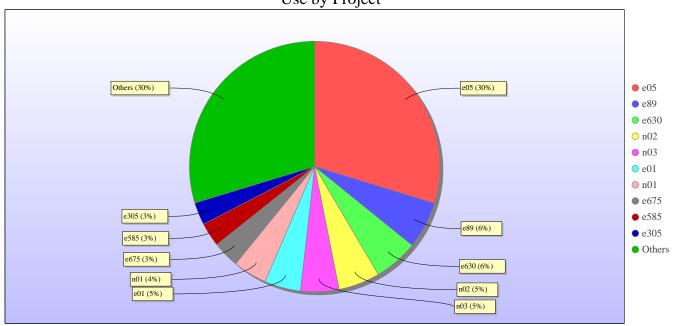
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e683	Pioneer Projects	2,513	23,905.8	1.06%	23,912.7		27,830.0	
e685	Pioneer Projects	270	38,839.7	1.72%	38,839.7	1.72%	72,022.0	3.19%
e686	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	86.0	0.00%
e687	Pioneer Projects	47	467.8	0.02%	467.8	0.02%	1,495.4	0.07%
e688	Pioneer Projects	722	6,773.9	0.30%	6,773.9	0.30%	66,235.0	2.93%
e689	Pioneer Projects	92	57.4	0.00%	57.4	0.00%	149.5	0.01%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	149.5	0.01%
e691	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	149.5	0.01%
e692	Pioneer Projects	28	1.1	0.00%	1.1	0.00%	373.9	0.02%
e693	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	149.5	0.01%
E635	Class1a	1,551	14,505.4	0.64%	14,697.4	0.65%	9,948.9	0.44%
c01	Class1a	5,988	22,811.3	1.01%	22,811.7		170,961.3	
e348	Class1a	3,345	13,824.1	0.61%	13,848.1	0.61%	10,896.5	0.48%
e432	Class1a	92	1,320.7	0.06%	1,320.7	0.06%	15,493.9	0.69%
e448	Class1a	44	1,013.1	0.04%	1,013.1	0.04%	18,319.1	0.81%
e480	Class1a	0	0.0	0.00%	0.0	0.00%	60.0	
e537	Class1a	0	0.0	0.00%	0.0		3,697.1	0.16%
e558	Class1a	0	0.0	0.00%	0.0	0.00%	4.7	0.00%
e569	Class1a	71	2,673.5	0.12%	2,673.5		7,675.8	
e572	Class1a	0	0.0	0.00%	0.0		2,770.0	
e575	Class1a	379	1,120.5	0.05%	1,120.5		5,036.7	0.22%
e606	Class1a	205	471.3	0.02%	471.3		22,354.3	
e607	Class1a	674	37,817.1	1.67%	37,818.2		31,512.0	
e608	Class1a	286	16,363.4	0.72%	16,363.4		9,548.1	0.42%
e609	Class1a	700	5,974.2	0.26%	5,974.2	0.26%	3,926.1	0.17%
e610	Class1a	57	2,223.6	0.10%	2,223.6		4,623.6	
e613	Class1a	177	2,872.3	0.13%	2,872.3		2,596.3	
e627	Class1a	1,105	43,402.9	1.92%	43,830.0		25,136.6	
e630	Class1a	296	109,455.6	4.84%	109,458.9		109,563.5	
e637	Class1a	25	40.0	0.00%	40.0	0.00%	4,974.4	
e642	Class1a	0	0.0	0.00%	0.0	0.00%	14,801.8	
e643	Class1a	582	638.8	0.03%	638.8	0.03%	15,348.6	0.68%

Project	Project	Number	Charged	Charged	Used CUs	Utilisation	Allocated	Allocation
Fioject	Class	of Jobs	CUs	Utilisation	Useu CUs	Othisation	CUs	Allocation
0645		01 3005			0.0	0.000/		0.250/
e645 e647	Class 1a Class 1a	3,831	0.0 42,889.7	1.90%	0.0 43,227.3	0.00% 1.91%	7,986.5 52,401.4	
e647 e648		3,031	132.1	0.01%	132.1	0.01%	4,789.6	
e649		51	3,804.1	0.17%	3,804.1	0.17%	19,902.3	0.88%
e651	Class1a	483	8,059.4	0.36%	8,059.4	0.36%	3,989.6	
e655	Class1a	70	557.4	0.02%	906.7	0.04%	12,142.6	0.54%
e663		653	8,278.4	0.37%	8,325.5	0.37%	8,290.7	0.37%
e667	Class1a	161	4,577.9		4,577.9	0.20%	7,282.3	0.32%
e668		120	1,104.1	0.05%	1,149.9	0.05%	4,934.8	
e681	Class1a	0	0.0	0.00%	0.0	0.00%	1,766.1	0.08%
e682	Class1a	104	40.5	0.00%	40.5	0.00%	7,283.6	0.32%
e684	Class1a	90	115.8		127.8	0.01%	2,825.9	0.12%
e694	Class1a	155	143.9		143.9	0.01%	5,625.2	0.25%
e696		10	200.1	0.01%	200.1	0.01%	323.7	0.01%
e697	Class1a	235	7,654.4	0.34%	7,712.4	0.34%	8,710.6	
e700		22	2.7	0.00%	2.7	0.00%	1,214.2	0.05%
e701	Class1a	905	4,402.7	0.19%	4,402.7	0.19%	6,144.7	0.27%
e702		262	2,450.8		2,450.8	0.11%	2,968.3	0.13%
e707	Class1a	73	17,422.8		17,422.8	0.77%	14,179.9	
e708		0	0.0	0.00%	0.0	0.00%	1,531.7	0.07%
e710		0	0.0		0.0	0.00%	274.8	
e712	Class1a	0	0.0	0.00%	0.0	0.00%	49.1	0.00%
e721	Class1a	0	0.0		0.0	0.00%	251.3	0.01%
e6337	Class1a	73	6,866.8	0.30% 3.88%	6,867.2	0.30% 3.96%	7,017.6 153,525.7	0.31% 6.79%
e01 e05	Consortia Consortia	4,431 32,072	87,643.7 531,751.6		89,460.4 570,617.5	25.24%	516,639.4	22.85%
e89		15,683	116,173.2		116,549.2	5.15%	187,886.1	8.31%
e280		503	18,110.0		18,185.4	0.80%	105,535.3	
e281	Consortia	1,561	37,247.8		38,533.7	1.70%	33,596.2	1.49%
e283		4,540	28,174.3		28,174.5	1.25%	37,042.9	
e305	Consortia	2,274	53,546.0	2.37%	55,959.0	2.47%	63,604.2	2.81%
e585		2,476	59,368.4	2.63%	59,368.4	2.63%	66,341.0	2.93%
e695		0	0.0	0.00%	0.0	0.00%	381.4	0.02%
e698		51	67.5		67.5	0.00%	399.9	
e699		0	0.0	0.00%	0.0	0.00%	301.6	
e703	Pump Priming	0	0.0	0.00%	0.0	0.00%	402.1	0.02%
e704	Pump Priming	136	11.4	0.00%	11.4	0.00%	385.3	0.02%
e709	Pump Priming	58	103.0	0.00%	103.0	0.00%	342.3	0.02%
e711	Pump Priming	0	0.0	0.00%	0.0	0.00%	202.3	0.01%
e718		18	0.3	0.00%	0.3	0.00%	125.9	0.01%
e719	1 0	63	13.8		13.8		132.6	
e507		0	0.0	0.00%	0.0	0.00%	6,689.9	0.30%
500	ARCHER RAP			0.000/	0.0	0.000/	22.2	0.000/
e566	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	60.0	0.00%
e664		9	4.3	0.00%	4.3	0.00%	2,653.0	0.12%
6004	ARCHER RAP	9	4.3	0.00 /8	4.3	0.00 /6	2,033.0	0.1276
e672		1,447	10,723.7	0.47%	10,723.7	0.47%	6,807.6	0.30%
00.2	ARCHER RAP	.,	10,720.7	0.1170	10,720.7	0.17 /0	0,001.0	0.0070
e676	Direct Access:	9	384.2	0.02%	384.2	0.02%	10,245.9	0.45%
	ARCHER RAP						-,	
e677		0	0.0	0.00%	0.0	0.00%	19,402.4	0.86%
	ARCHER RAP							
e632	Instant Access	178	2,078.0		2,078.0	0.09%	14,450.2	
e669		0	0.0		0.0	0.00%	240.5	
ecseaa12		10	0.1	0.00%	0.1	0.00%	201.6	
ecseaa13		0	0.0		0.0	0.00%	517.5	
ecseac10		0	0.0		0.0	0.00%	313.7	0.01%
ta021	Training	0	0.0		0.0	0.00%	189.7	0.01%
ta026	9	174	1.8		1.8	0.00%	188.5	
ta027	Training	241	0.8		0.8 0.0	0.00% 0.00%	252.1 63.8	0.01%
ta028		0	0.0		0.0	0.00%	863.6	
ta030		253	17.1		17.1	0.00%	863.6	
ta031	Training	∠53	17.1	0.00%	17.1	0.00%	803.6	0.04%

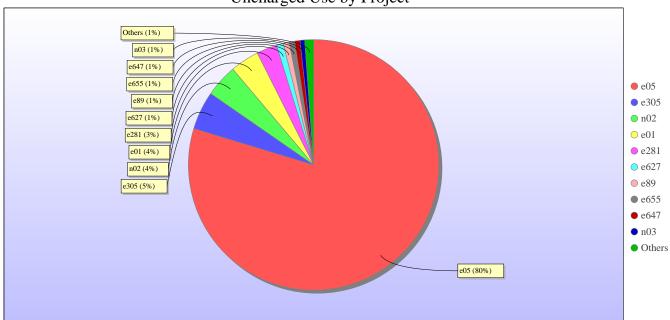
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
ta032		37	0.2		0.2	0.00%	869.6	0.04%
ta033		273	11.1	0.00%	11.1	0.00%	863.6	
ta035	-	86	715.2	0.03%	716.2	0.03%	1,000.0	0.04%
ta036		0	0.0	0.00%	0.0	0.00%	499.8	
ta037		0	0.0	0.00%	0.0	0.00%	61.6	0.00%
ta038		0	0.0	0.00%	0.0	0.00%	61.6	
ta039	Training	174	4.9	0.00%	4.9	0.00%	1,000.0	0.04%
ta041	Training	0	0.0	0.00%	0.0	0.00%	61.5	0.00%
ta042	Training	0	0.0	0.00%	0.0	0.00%	61.5	0.00%
ta043	0	0	0.0	0.00%	0.0	0.00%	74.0	0.00%
ec110		0	0.0	0.00%	0.0	0.00%	673.9	
	Access to HPC	3	1.5	0.00%	1.5	0.00%	3,344.9	0.15%
	Access to HPC	638	1,219.6		1,219.6	0.05%	13,379.8	0.59%
	Access to HPC	71	3,252.4	0.14%	3,252.4	0.14%	6,514.3	0.29%
	Access to HPC	1,304	65,924.7	2.92%	65,924.7	2.92%	35,322.6	
	Access to HPC	307	1,378.2	0.06%	1,378.2	0.06%	2,408.4	0.11%
	Access to HPC	792	5,306.0	0.23%	5,306.0	0.23%	9,633.4	0.43%
	Access to HPC	0	0.0	0.00%	0.0	0.00%	10,034.8	
	Access to HPC	345	456.8	0.02%	456.8	0.02%	9,349.8	
EPSRC Total n01	Com===4'-	96,808 5,710	1,478,968.4	65.41% 3.71%	1,525,307.8	67.46%	2,165,839.4	95.79% 20.21%
	Consortia Consortia		83,874.1		83,874.7	3.71%	456,975.3	
n02 n03		34,215	100,586.7	4.45%	102,637.7	4.54%	1,303,627.4	
NERC Total	Consortia	7,146 47,071	94,556.7 279,017.5	4.18% 12.34%	94,846.3 281,358.7	4.19%	333,468.5 2,094,071.2	14.75% 92.62%
e621	Class1a	47,071	48.0	0.00%	48.0	12.44% 0.00%	9,676.5	
BBSRC Total	Classia	2	48.0	0.00%	48.0	0.00%	9,676.5	0.43%
pr1u1651	DECI: EXEC	26	3,792.0	0.17%	3,792.0	0.17%	2,377.8	
pr1u1652		9	263.3	0.01%	263.3	0.01%	5,372.9	0.24%
pr1u1653		2	15.7	0.00%	15.7	0.00%	24,603.3	1.09%
pr1u1654		0	0.0	0.00%	0.0	0.00%	1,631.0	0.07%
pr1u1655		1,812	6,416.6		6,416.6	0.28%	12,564.5	
pr1u1656		11,082	11,457.0	0.51%	11,457.0	0.51%	12,677.6	
pr1u1657		0	0.0	0.00%	0.0	0.00%	1,512.2	0.07%
pr1u1658		0	0.0	0.00%	0.0	0.00%	6,641.7	0.29%
pr1u1659	DECI: EXEC	1,012	1,385.4	0.06%	1,405.7	0.06%	4,694.2	0.21%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	4,812.6	
pr1u1752		3	0.1	0.00%	0.1	0.00%	5,719.1	0.25%
pr1u1753		17	1.4	0.00%	1.4	0.00%	6,794.3	0.30%
pr1u1754		78	591.4	0.03%	591.4	0.03%	7,863.8	0.35%
pr1u1755		6	1.3	0.00%	1.3	0.00%	5,147.2	0.23%
pr1u1756		0	0.0	0.00%	0.0	0.00%	12,135.2	0.54%
pr1u1757			7.8		7.8		2,720.8	
pr1u1758		0	0.0		0.0	0.00%	2,123.2	
pr1u1759			0.0	0.00%	0.0	0.00%	4,572.4	0.20%
pr1u1760			361.8		361.8	0.02%	1,715.7	0.08%
pr1u1601		0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1602		0	0.0		0.0	0.00%	0.3	
pr1u1603		0	0.0	0.00% 0.00%	0.0	0.00%	0.3	0.00%
pr1u1604 pr1u1605		0	0.0		0.0 0.0	0.00% 0.00%	0.3 0.3	0.00% 0.00%
pr1u1606		0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1608		0	0.0		0.0	0.00%	0.3	0.00%
pr1u1609		0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1610		0	0.0	0.00%	0.0	0.00%	0.3	0.00%
pr1u1611		0	0.0	0.00%	0.0	0.00%	247.2	0.01%
pr1u1702		527	5,178.6		5,183.5	0.23%	5,053.3	
pr1u1707		1,247	7,249.2		7,249.2	0.32%	4,378.7	0.19%
pr1ush01		0	0.0	0.00%	0.0	0.00%	1,815.0	0.08%
pr1ushpc		2,359	410.4	0.02%	410.4	0.02%	246.0	0.01%
PRACE Total		18,250	37,132.1	1.64%	37,157.3	1.64%	137,422.8	
ecseaa06		0	0.0	0.00%	0.0	0.00%	517.5	
ecseaa09		0	0.0	0.00%	0.0	0.00%	258.7	0.01%
ecseaa11	eCSE	0	0.0	0.00%	0.0	0.00%	220.6	0.01%

Project	Project Class	Number of Jobs	Charged	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
			CUs		0.0	0.000/		0.000/
ecseaa14	eCSE		0.0	0.00%	0.0		665.9	0.03%
ecseaa16 ecseaa19	eCSE eCSE		2,200.7 0.0	0.10% 0.00%	2,200.7 0.0	0.10% 0.00%	662.7 288.8	0.03% 0.01%
ecseaa19 ecseaa20	eCSE		1,214.7	0.00%	1,214.7	0.00%	743.1	0.01%
ecseaa20	eCSE		118.0	0.01%	118.0	0.01%	203.5	0.03%
ecseaa21	eCSE		0.0	0.00%	0.0	0.00%	583.1	0.01%
ecseaa26	eCSE		408.7	0.02%	408.7	0.02%	110.4	0.00%
ecseaa28	eCSE		0.0	0.00%	0.0	0.00%	237.9	0.01%
ecseab02	eCSE		0.0	0.00%	0.0	0.00%	276.2	0.01%
ecseab03	eCSE		3.1	0.00%	3.1	0.00%	421.8	
ecseab04	eCSE	6	40.7	0.00%	40.7	0.00%	174.4	0.01%
ecseab06	eCSE		11.7	0.00%	11.7	0.00%	50.2	0.00%
ecseab11	eCSE		3.8		3.8		56.5	0.00%
ecseab12	eCSE		55.4	0.00%	55.4	0.00%	186.9	0.01%
ecseab13	eCSE		10.7	0.00%	10.7	0.00%	146.8	0.01%
ecseac02	eCSE		0.0	0.00%	0.0		168.8	
ecseac04	eCSE		1.1	0.00%	1.1	0.00%	301.0	0.01%
ecseac06	eCSE		29.8	0.00%	29.8	0.00%	218.6	0.01%
ecsead07	eCSE		0.5		0.5		183.0	0.01%
eCSE Total	Doogorob	2,633	4,098.8 0.0	0.18% 0.00%	4,098.8 0.0	0.18% 0.00%	6,676.3 427.8	0.30% 0.02%
d35	Research							0.02%
d56 d71	Research Research		18,093.9 0.0	0.80% 0.00%	18,093.9 0.0	0.80% 0.00%	21,495.1 4.7	0.95%
d114	Research		31,014.0	1.37%	31,014.0	1.37%	46,573.4	2.06%
d118	Research		94.6	0.00%	94.6	0.00%	2,352.5	0.10%
d137	Research		155.6		214.2	0.01%	4,948.9	
d142	Research		1,809.5		1,809.5	0.08%	5,590.7	0.25%
d155	Research		543.7	0.02%	543.7	0.02%	26,784.8	
d175	Research		176.6		180.0	0.01%	2,010.5	0.09%
d428	Research		0.0	0.00%	0.0	0.00%	211.7	0.01%
d429	Research	1,989	5,905.5	0.26%	5,905.5	0.26%	18,220.0	0.81%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	6,199.5	0.27%
d433	Industrial	3	1.2	0.00%	1.2		468.1	0.02%
i18	Industrial	4	0.0	0.00%	0.0	0.00%	2,275.3	0.10%
i21	Industrial		16.6		16.6		7,050.0	0.31%
i236	Industrial		0.1	0.00%	0.1	0.00%	127.0	0.01%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	1,578.1	0.07%
i239	Industrial		0.0	0.00%	0.0	0.00%	4,416.0	0.20%
x06	Industrial		0.0	0.00%	0.0		3.3	0.00%
d174 d176	Training Training		418.7 38.5	0.02% 0.00%	418.7 38.5	0.02% 0.00%	1,503.1 3.1	0.07% 0.00%
ta029	Training Training		0.0 4.9		0.0 4.9		40.9 1,000.0	
ta034	Training		0.2		0.2		312.5	
y01	Service		0.0		0.0		174.6	
y02	Service	-	105.0		105.0		334.5	
y23	Service		2.7	0.00%	2.7	0.00%	499.9	
z19	Service		11,950.4	0.53%	11,950.4	0.53%	37,698.5	
z99	Service		0.0		0.0		5.0	
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	33.7	0.00%
DirectorsTime		13,788	70,331.8	3.11%	70,393.8	3.11%	192,343.4	8.51%
Total								
y07	Service		112.9	0.00%	112.9		504.1	0.02%
z01	Service		0.0		0.0		252.1	0.01%
z02	Service		4.7	0.00%	4.7	0.00%	2,012.9	
CSE Total		105	117.5		117.5	0.01%	2,769.1	0.12%
z31	Service		0.0	0.00%	0.0	0.00%	100.0	0.00%
Internal Total		0	0.0		0.0		100.0	0.00%
Total		178,657	1,869,714.1	82.69%	1,918,481.9	84.85%	4,608,898.7	203.84%

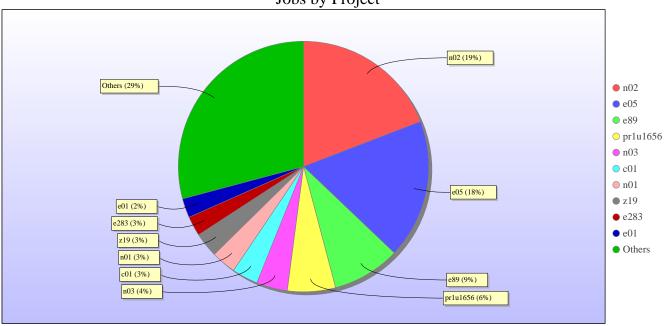
Use by Project







Jobs by Project



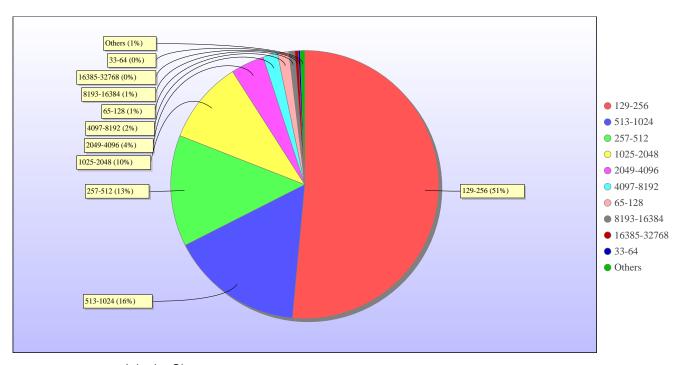
CUs (by Size)

Size	CUs	Number of Jobs
1	0	277
2	0	32
3-4	0	56
5-8	0	51
9-16	0	105
17-32	0	109
33-64	0	434
65-128	0	2,457
129-256	182,963.419	
257-512	136,462.206	23,967
513-1024		
1025-2048	278,904.919	17,880
2049-4096	299,359.769	7,180
4097-8192	372,381.629	3,125
8193-16384	199,091.774	1,275
16385-32768		
32769-65536	16,742.586	270
65537-131072	2,966.613	
131073-262144	209.962	24

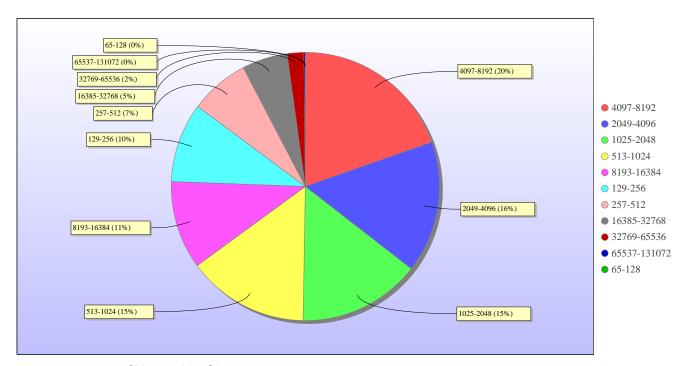
Load plots



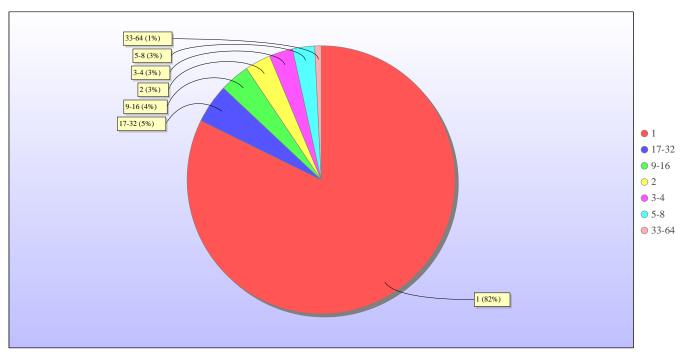
Percentage load on machine



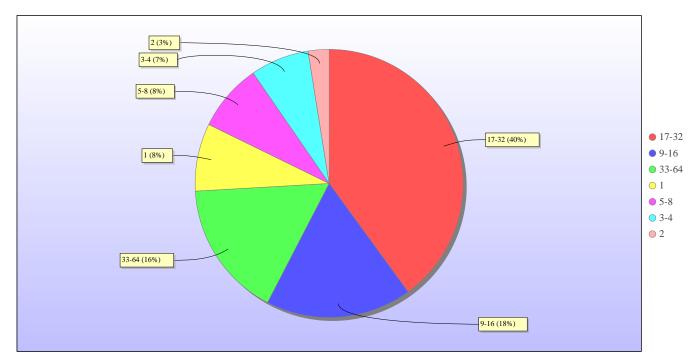
Jobs by Size



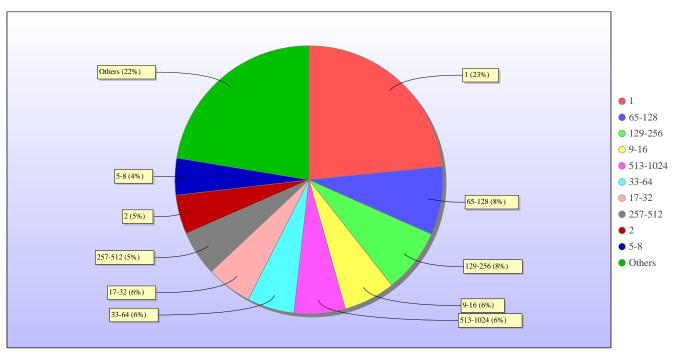
CUs used by Size



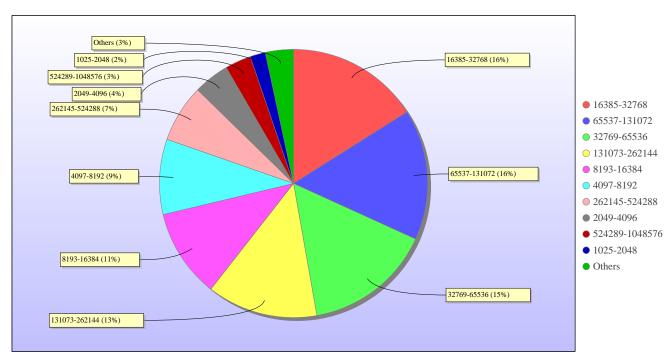
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

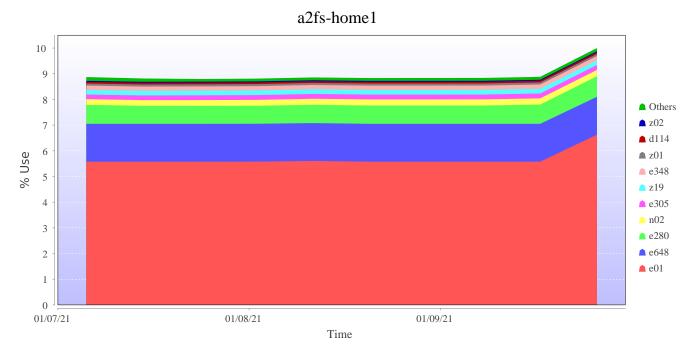


CUs used grouped by core-hours

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.



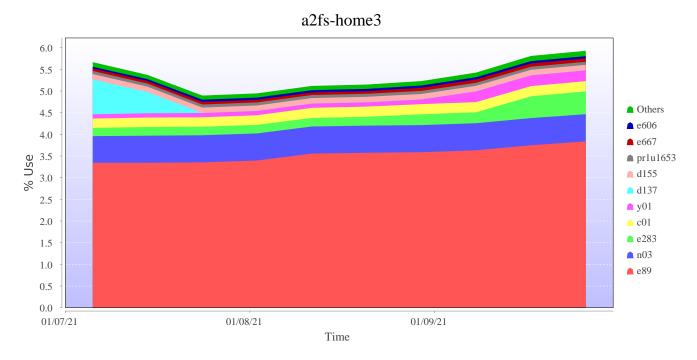
Disk usage for home (a2fs-home2)

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.



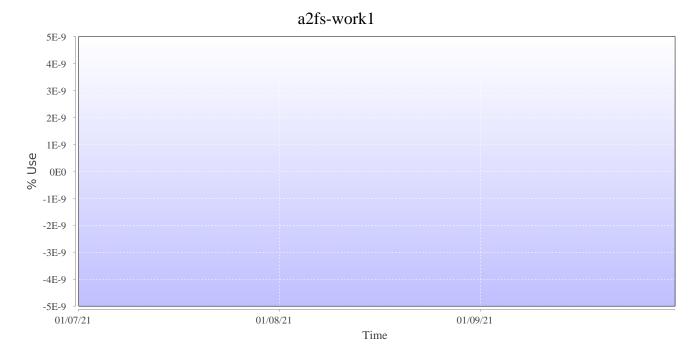
Disk usage for home (a2fs-home3)

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.



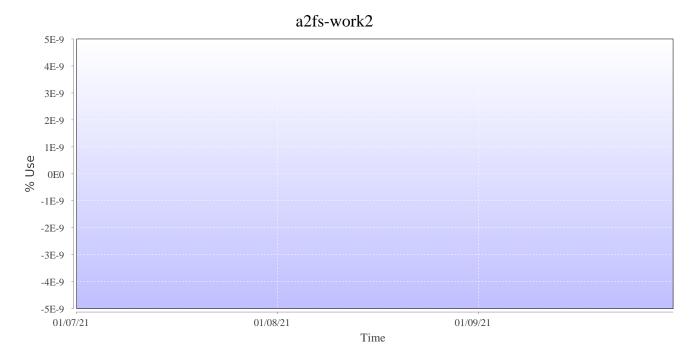
Disk usage for work (a2fs-work1)

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.



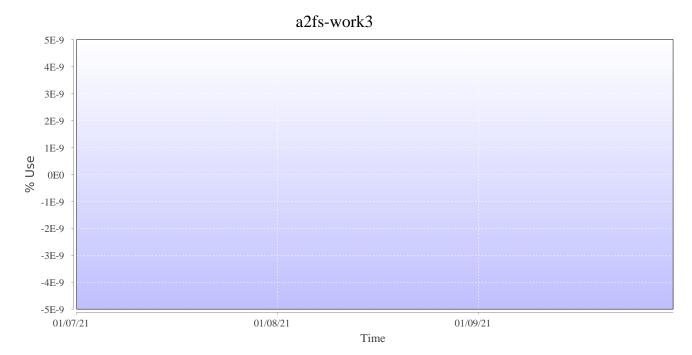
Disk usage for work (a2fs-work2)

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.



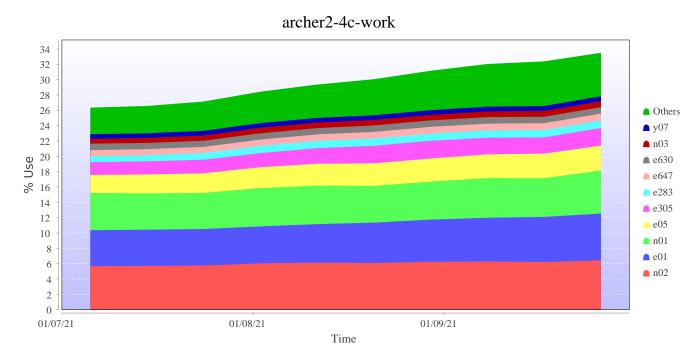
Disk usage for work (a2fs-work3)

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.



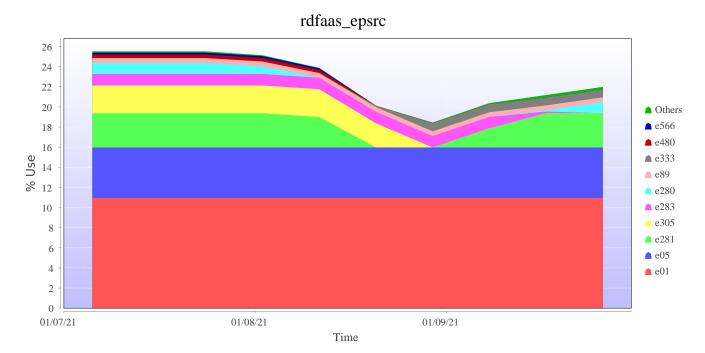
Disk usage for work-4cab (archer2-4c-work)

This is a plot of Disk Use on archer2-4c-work 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.

