

Monthly Reporting

Report from 01 April 2021 to 30 April 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 737,280 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.

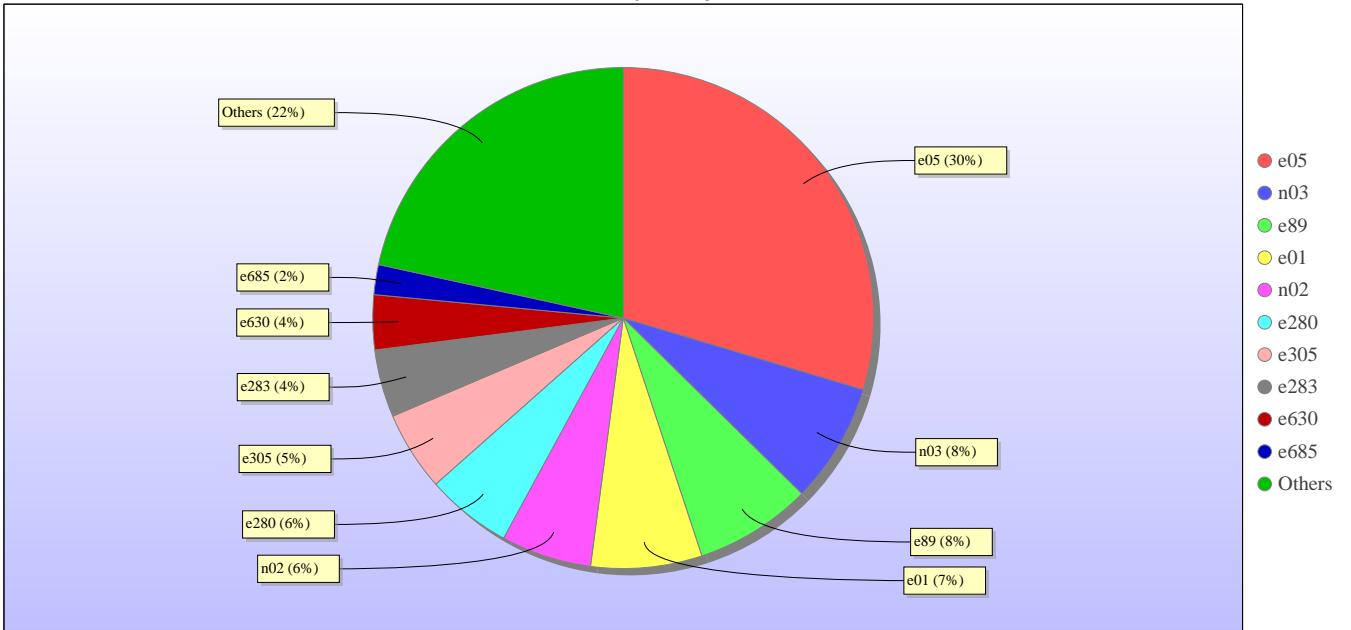
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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
e691	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e692	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e693	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e683	Pioneer Projects	1,325	8,785.9	1.19%	8,978.0	1.22%	9,075.0	1.23%
e685	Pioneer Projects	96	11,427.5	1.55%	11,427.5	1.55%	30,245.9	4.10%
e686	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e687	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e688	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e689	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
E635	Class1a	913	723.1	0.10%	723.1	0.10%	3,334.2	0.45%
c01	Class1a	928	1,786.3	0.24%	1,786.3	0.24%	11,365.4	1.54%
e432	Class1a	48	357.7	0.05%	357.7	0.05%	5,052.4	0.69%
e448	Class1a	102	4,756.4	0.65%	4,756.4	0.65%	1,278.7	0.17%
e537	Class1a	0	0.0	0.00%	0.0	0.00%	1,205.6	0.16%
e569	Class1a	0	0.0	0.00%	0.0	0.00%	1,251.5	0.17%
e575	Class1a	239	471.2	0.06%	471.2	0.06%	983.6	0.13%
e584	Class1a	11	185.9	0.03%	185.9	0.03%	1,046.7	0.14%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	3,912.1	0.53%
e606	Class1a	46	15.0	0.00%	15.0	0.00%	7,289.4	0.99%
e607	Class1a	497	8,593.6	1.17%	8,593.6	1.17%	10,275.6	1.39%
e608	Class1a	85	200.7	0.03%	200.7	0.03%	3,113.5	0.42%
e609	Class1a	234	471.2	0.06%	471.2	0.06%	3,136.8	0.43%
e610	Class1a	138	2,031.3	0.28%	2,031.3	0.28%	2,261.6	0.31%
e613	Class1a	34	3,535.3	0.48%	3,535.3	0.48%	1,340.5	0.18%
e627	Class1a	94	2,722.5	0.37%	2,722.5	0.37%	8,196.7	1.11%
e630	Class1a	80	20,859.6	2.83%	20,859.6	2.83%	12,451.9	1.69%
e637	Class1a	14	227.2	0.03%	227.2	0.03%	4,654.5	0.63%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	9,163.8	1.24%
e643	Class1a	740	19.8	0.00%	19.8	0.00%	8,997.3	1.22%
e645	Class1a	0	0.0	0.00%	0.0	0.00%	2,604.3	0.35%
e647	Class1a	902	3,381.7	0.46%	3,381.7	0.46%	9,410.3	1.28%

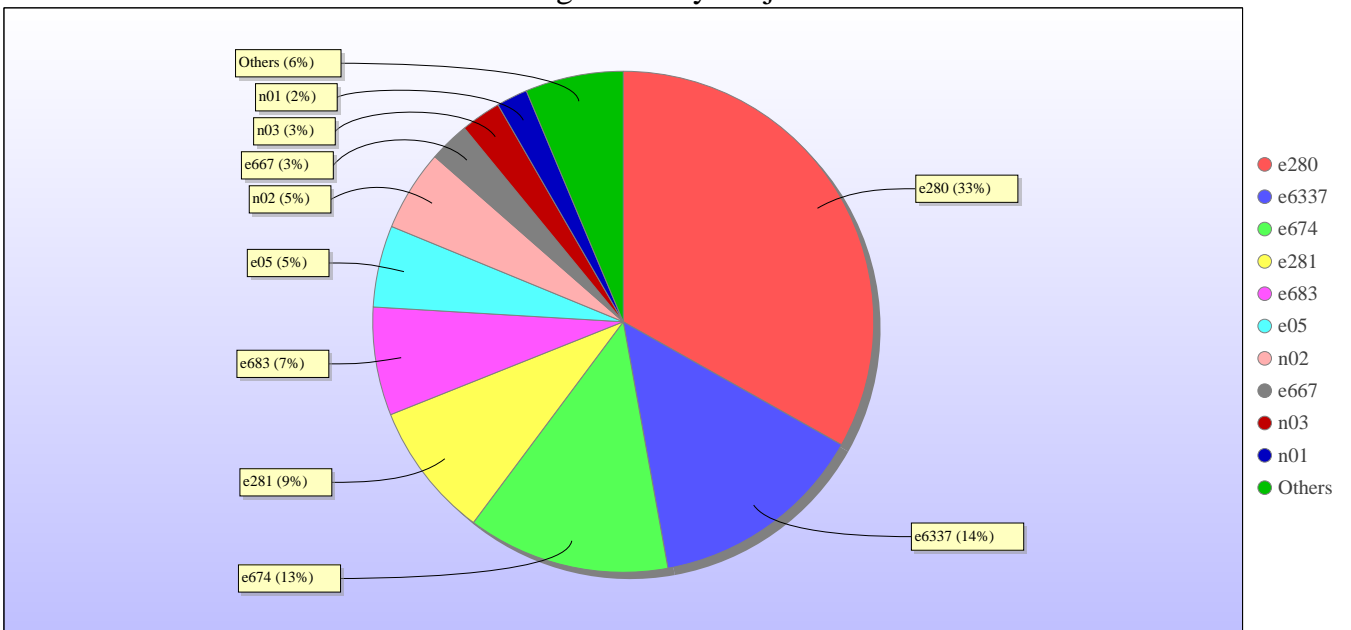
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e648	Class1a	177	4,259.5	0.58%	4,259.5	0.58%	5,429.3	0.74%
e649	Class1a	31	1,180.3	0.16%	1,180.3	0.16%	14,997.7	2.03%
e651	Class1a	203	1,911.3	0.26%	1,911.3	0.26%	2,588.1	0.35%
e655	Class1a	234	3,685.8	0.50%	3,685.8	0.50%	3,092.8	0.42%
e663	Class1a	168	1,604.4	0.22%	1,604.4	0.22%	3,926.6	0.53%
e667	Class1a	80	2,586.0	0.35%	2,657.8	0.36%	2,920.4	0.40%
e668	Class1a	2	13.3	0.00%	13.3	0.00%	1,860.4	0.25%
e681	Class1a	0	0.0	0.00%	0.0	0.00%	575.9	0.08%
e682	Class1a	146	17.3	0.00%	17.3	0.00%	2,375.1	0.32%
e684	Class1a	96	18.8	0.00%	18.8	0.00%	1,013.5	0.14%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	1,834.3	0.25%
e696	Class1a	14	29.3	0.00%	29.3	0.00%	72.5	0.01%
e697	Class1a	4	2.9	0.00%	2.9	0.00%	2,840.4	0.39%
e700	Class1a	9	24.0	0.00%	24.0	0.00%	66.0	0.01%
e701	Class1a	0	0.0	0.00%	0.0	0.00%	133.6	0.02%
e6337	Class1a	6	407.7	0.06%	791.8	0.11%	5,591.3	0.76%
e01	Consortia	2,843	42,391.9	5.75%	42,393.9	5.75%	87,593.4	11.88%
e05	Consortia	10,735	174,889.2	23.72%	175,034.0	23.74%	187,275.3	25.40%
e89	Consortia	3,830	44,612.3	6.05%	44,612.7	6.05%	73,280.4	9.94%
e280	Consortia	1,460	31,817.6	4.32%	32,729.2	4.44%	138,469.8	18.78%
e281	Consortia	146	3,130.4	0.42%	3,370.9	0.46%	32,375.5	4.39%
e283	Consortia	1,887	25,748.7	3.49%	25,798.0	3.50%	21,506.6	2.92%
e305	Consortia	1,028	30,344.7	4.12%	30,344.7	4.12%	36,957.9	5.01%
e585	Consortia	510	764.6	0.10%	764.6	0.10%	21,632.9	2.93%
e658	Consortia	233	8,434.0	1.14%	8,434.0	1.14%	3,296.7	0.45%
e695	Pump Priming	66	528.6	0.07%	528.6	0.07%	124.4	0.02%
e699	Pump Priming	0	0.0	0.00%	0.0	0.00%	98.3	0.01%
e348	Direct Access: ARCHER RAP	1,017	4,071.4	0.55%	4,071.4	0.55%	2,964.6	0.40%
e507	Direct Access: ARCHER RAP	59	7,245.5	0.98%	7,245.5	0.98%	2,181.5	0.30%
e664	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,295.0	0.31%
e672	Direct Access: ARCHER RAP	285	1,210.7	0.16%	1,234.7	0.17%	2,219.9	0.30%
e676	Direct Access: ARCHER RAP	51	833.8	0.11%	877.3	0.12%	5,539.2	0.75%
e677	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	6,326.9	0.86%
e632	Instant Access	0	0.0	0.00%	0.0	0.00%	4,712.0	0.64%
e669	Instant Access	117	814.8	0.11%	814.8	0.11%	78.4	0.01%
e670	Instant Access	0	0.0	0.00%	0.0	0.00%	261.0	0.04%
e671	Instant Access	0	0.0	0.00%	0.0	0.00%	249.3	0.03%
ecseaa12	eCSE	17	0.5	0.00%	0.5	0.00%	65.8	0.01%
ta017	Training	13	0.4	0.00%	0.4	0.00%	100.0	0.01%
ta019	Training	0	0.0	0.00%	0.0	0.00%	100.0	0.01%
ta020	Training	11	0.0	0.00%	0.0	0.00%	100.0	0.01%
ta021	Training	0	0.0	0.00%	0.0	0.00%	61.9	0.01%
ta022	Training	0	0.0	0.00%	0.0	0.00%	517.6	0.07%
ta023	Training	0	0.0	0.00%	0.0	0.00%	508.8	0.07%
ta024	Training	231	8.7	0.00%	8.7	0.00%	380.0	0.05%
ta025	Training	474	79.0	0.01%	79.0	0.01%	380.0	0.05%
ta027	Training	3	0.0	0.00%	0.0	0.00%	0.0	0.00%
e596	Access to HPC	8	2.5	0.00%	2.5	0.00%	1,090.7	0.15%
e673	Access to HPC	0	0.0	0.00%	0.0	0.00%	4,363.0	0.59%
e674	Access to HPC	124	1,995.9	0.27%	2,354.9	0.32%	2,124.2	0.29%
e675	Access to HPC	563	1,330.7	0.18%	1,330.7	0.18%	11,518.3	1.56%
e678	Access to HPC	0	0.0	0.00%	0.0	0.00%	785.3	0.11%
e679	Access to HPC	8	131.8	0.02%	131.8	0.02%	3,141.3	0.43%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,272.2	0.44%
EPSRC Total		33,415	466,680.1	63.30%	469,103.4	63.63%	859,085.4	116.52%
n01	Consortia	2,662	9,688.6	1.31%	9,743.8	1.32%	149,013.7	20.21%
n02	Consortia	10,909	34,340.6	4.66%	34,484.7	4.68%	425,095.9	57.66%
n03	Consortia	2,745	45,721.5	6.20%	45,793.1	6.21%	108,739.7	14.75%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
NERC Total		16,316	89,750.8	12.17%	90,021.5	12.21%	682,849.3	92.62%
e621	Class1a	58	1,045.4	0.14%	1,045.4	0.14%	3,812.8	0.52%
e568	Research	0	0.0	0.00%	0.0	0.00%	17.7	0.00%
BBSRC Total		58	1,045.4	0.14%	1,045.4	0.14%	3,830.5	0.52%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	17.9	0.00%
pr1u1552	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	18.0	0.00%
pr1u1651	DECI: EXEC	6	617.5	0.08%	617.5	0.08%	775.4	0.11%
pr1u1652	DECI: EXEC	77	6,726.6	0.91%	6,726.6	0.91%	2,496.9	0.34%
pr1u1653	DECI: EXEC	49	2,645.4	0.36%	2,645.4	0.36%	2,598.7	0.35%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	531.8	0.07%
pr1u1655	DECI: EXEC	149	1,268.1	0.17%	1,268.1	0.17%	4,097.1	0.56%
pr1u1656	DECI: EXEC	630	7,729.3	1.05%	7,729.3	1.05%	4,134.0	0.56%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	493.1	0.07%
pr1u1658	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2,165.8	0.29%
pr1u1659	DECI: EXEC	455	3,544.1	0.48%	3,544.1	0.48%	1,530.7	0.21%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1601	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1602	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1603	DECI: HOME	6	168.3	0.02%	168.3	0.02%	0.1	0.00%
pr1u1604	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1605	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1606	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1607	DECI: HOME	0	0.0	0.00%	0.0	0.00%	18.0	0.00%
pr1u1608	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1609	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1610	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1611	DECI: HOME	0	0.0	0.00%	0.0	0.00%	80.6	0.01%
PRACE Total		1,372	22,699.3	3.08%	22,699.3	3.08%	18,959.1	2.57%
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	66.3	0.01%
ecseaa26	eCSE	0	0.0	0.00%	0.0	0.00%	36.0	0.00%
ecseaa28	eCSE	0	0.0	0.00%	0.0	0.00%	77.6	0.01%
ecseab06	eCSE	6	1.0	0.00%	1.0	0.00%	16.4	0.00%
ecseab11	eCSE	0	0.0	0.00%	0.0	0.00%	6.8	0.00%
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	61.0	0.01%
ecseab13	eCSE	264	20.3	0.00%	20.3	0.00%	47.9	0.01%
eCSE Total		270	21.3	0.00%	21.3	0.00%	311.9	0.04%
d35	Research	7	0.0	0.00%	0.0	0.00%	33.0	0.00%
d56	Research	242	449.3	0.06%	449.5	0.06%	1,069.4	0.15%
d114	Research	0	0.0	0.00%	0.0	0.00%	3,296.7	0.45%
d118	Research	4	0.6	0.00%	0.6	0.00%	306.8	0.04%
d137	Research	21	682.9	0.09%	682.9	0.09%	1,631.9	0.22%
d155	Research	64	304.3	0.04%	304.3	0.04%	8,734.2	1.18%
d170	Research	1	0.0	0.00%	0.0	0.00%	33.0	0.00%
d172	Research	0	0.0	0.00%	0.0	0.00%	164.8	0.02%
d428	Research	0	0.0	0.00%	0.0	0.00%	69.0	0.01%
d429	Research	45	75.5	0.01%	123.5	0.02%	824.2	0.11%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	131.9	0.02%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	2,021.6	0.27%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	33.0	0.00%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	329.7	0.04%
i236	Industrial	5	0.2	0.00%	0.2	0.00%	123.0	0.02%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	1.1	0.00%
d174	Training	3	0.0	0.00%	0.0	0.00%	490.1	0.07%
y23	Service	1	0.0	0.00%	0.0	0.00%	329.7	0.04%
DirectorsTime Total		393	1,512.9	0.21%	1,561.0	0.21%	19,623.0	2.66%
y02	Service	651	20.5	0.00%	20.5	0.00%	109.1	0.01%
y07	Service	139	0.4	0.00%	0.4	0.00%	164.4	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
z02	Service	8	0.7	0.00%	0.7	0.00%	656.4	0.09%
z19	Service	2,603	6,474.0	0.88%	6,480.3	0.88%	16,393.4	2.22%
CSE Total		3,401	6,495.6	0.88%	6,501.9	0.88%	17,405.5	2.36%
Total		55,225	588,205.3	79.78%	590,953.8	80.15%	1,602,064.6	217.29%

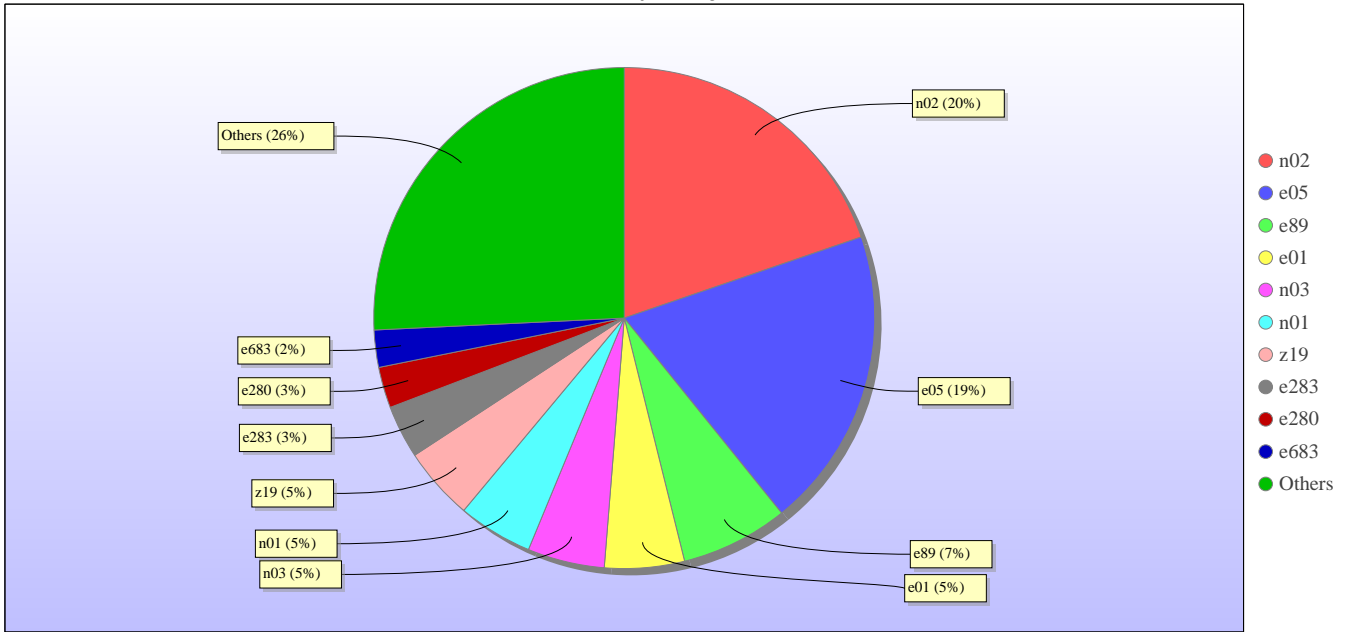
Use by Project



Uncharged Use by Project



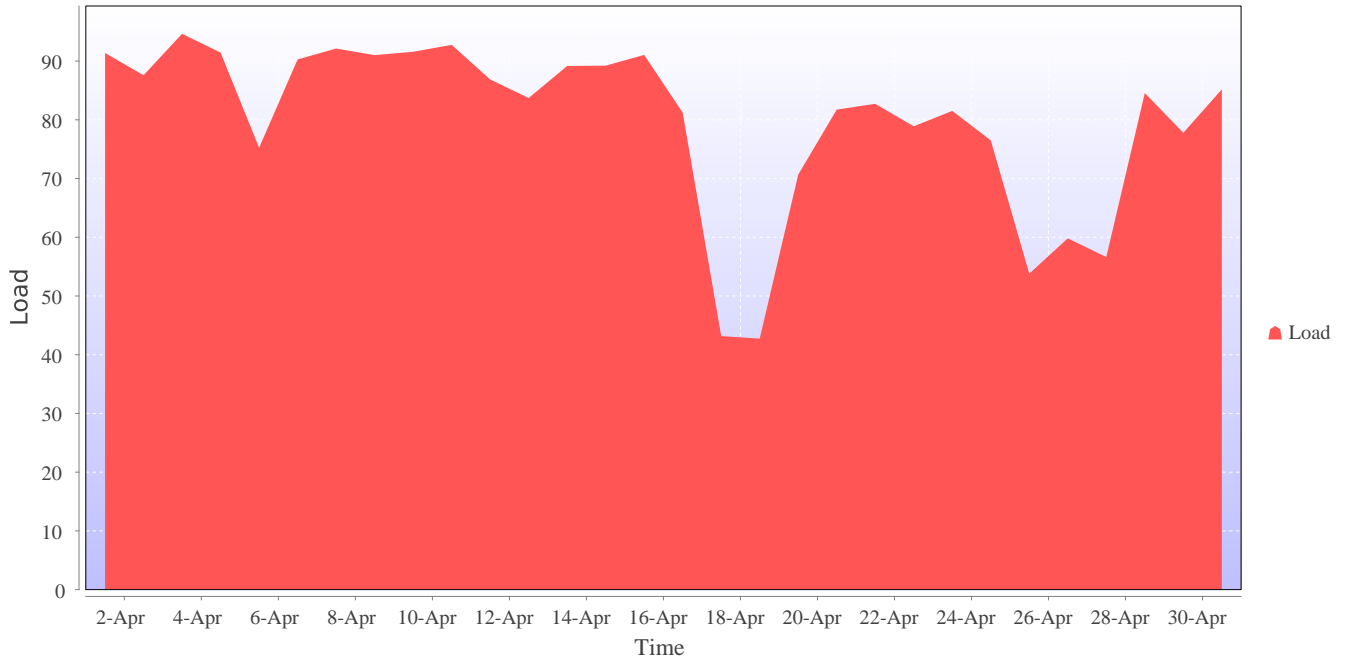
Jobs by Project



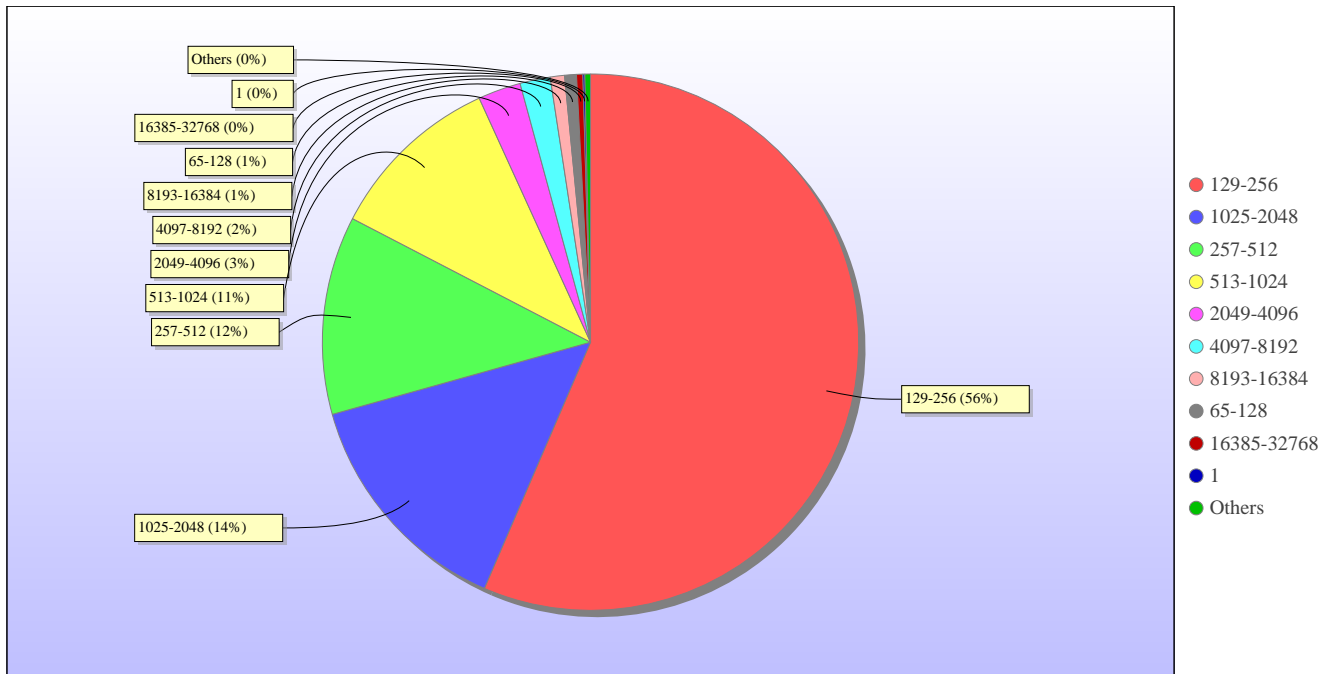
CUs (by Size)

Size	CUs	Number of Jobs
1	0	66
2	0	11
3-4	0	14
5-8	0	21
9-16	0	23
17-32	0	36
33-64	0	64
65-128	0	394
129-256	47,070.279	31,191
257-512	58,240.295	6,604
513-1024	90,871.412	5,837
1025-2048	125,777.202	7,831
2049-4096	99,653.781	1,425
4097-8192	100,910.918	1,008
8193-16384	25,082.257	474
16385-32768	22,996.272	209
32769-65536	17,491.905	14
65537-131072	111.009	3

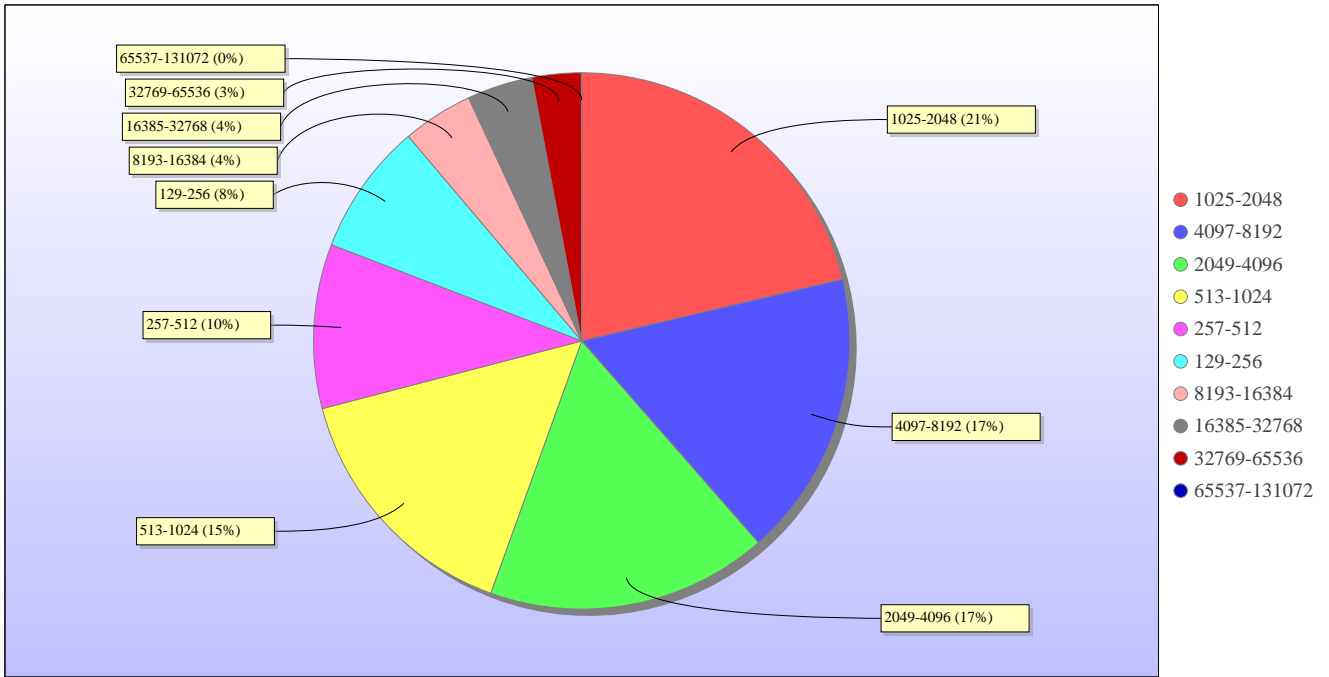
Load plots



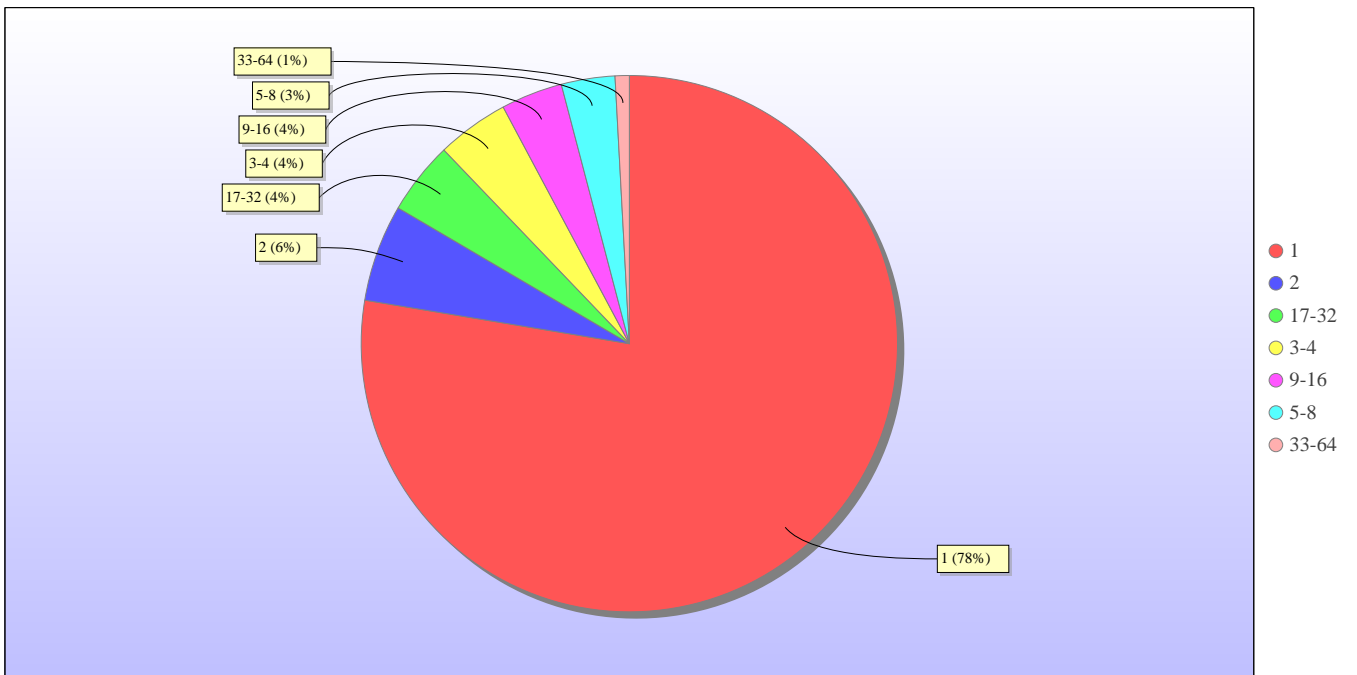
Percentage load on machine



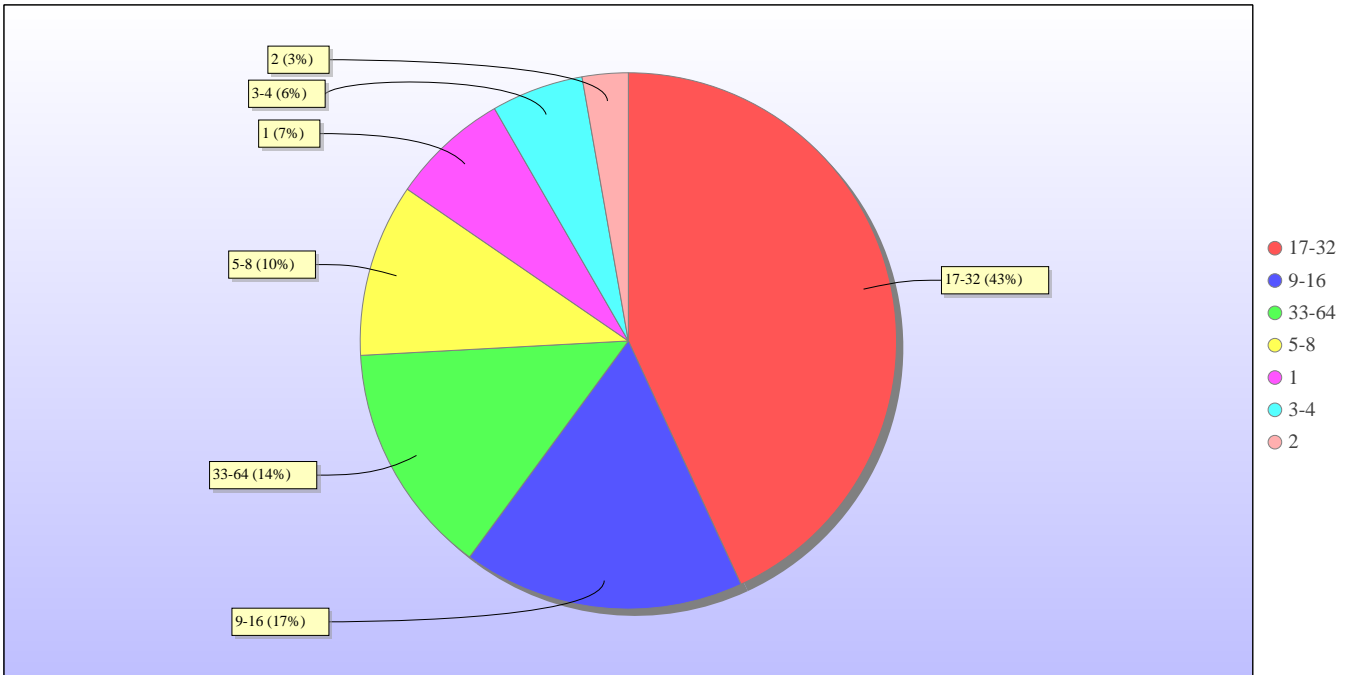
Jobs by Size



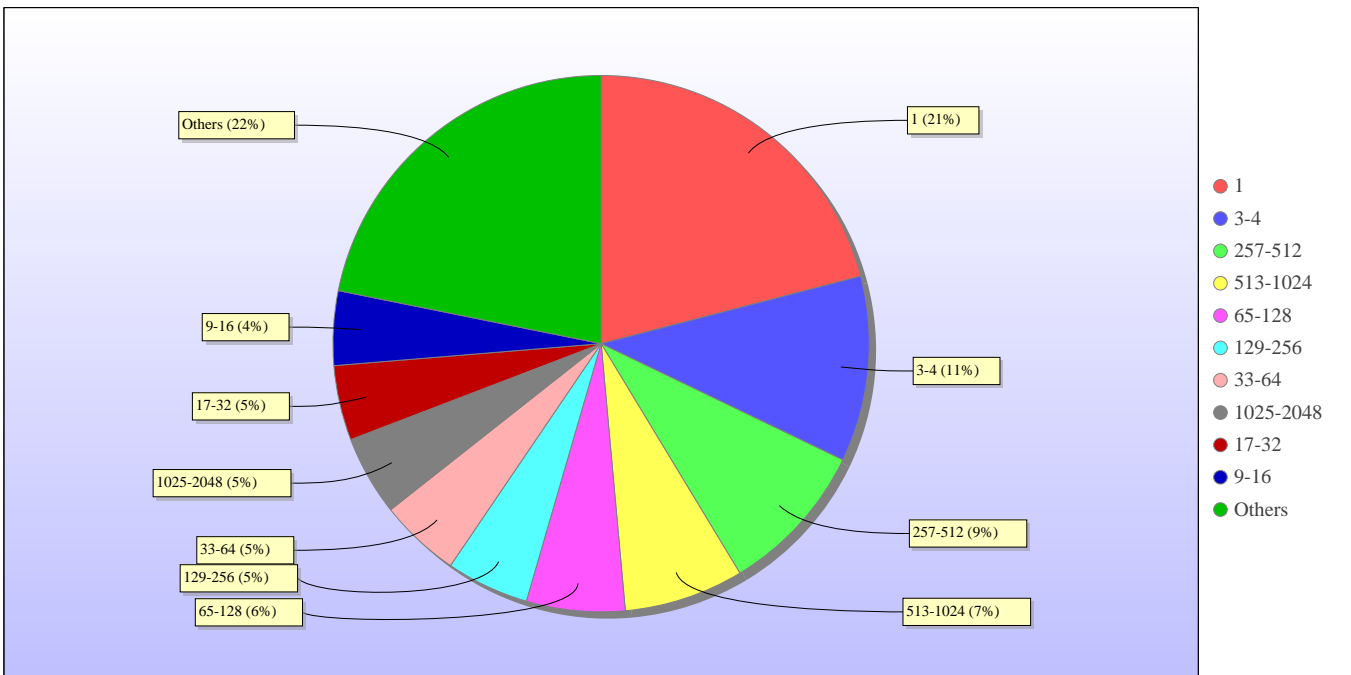
CUs used by Size



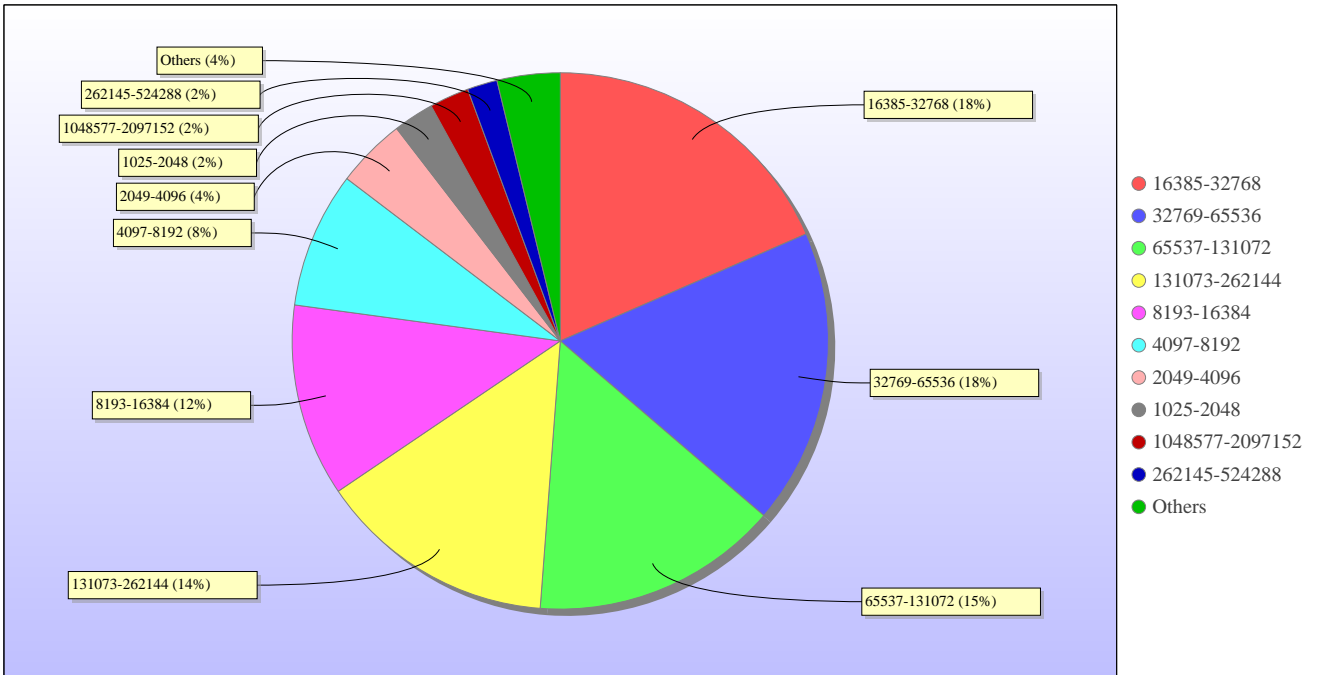
Jobs grouped by wall-clock-hours



CU's used grouped by wall-clock-hours



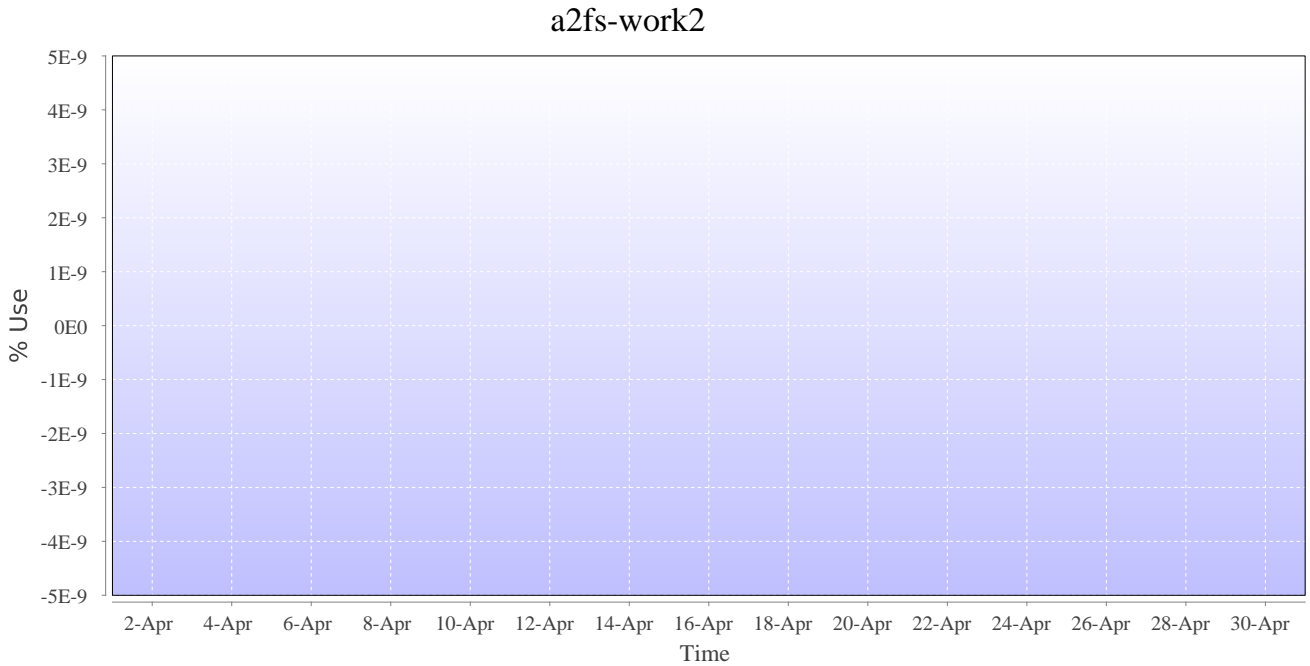
Jobs grouped by core-hours



CUs used grouped by core-hours

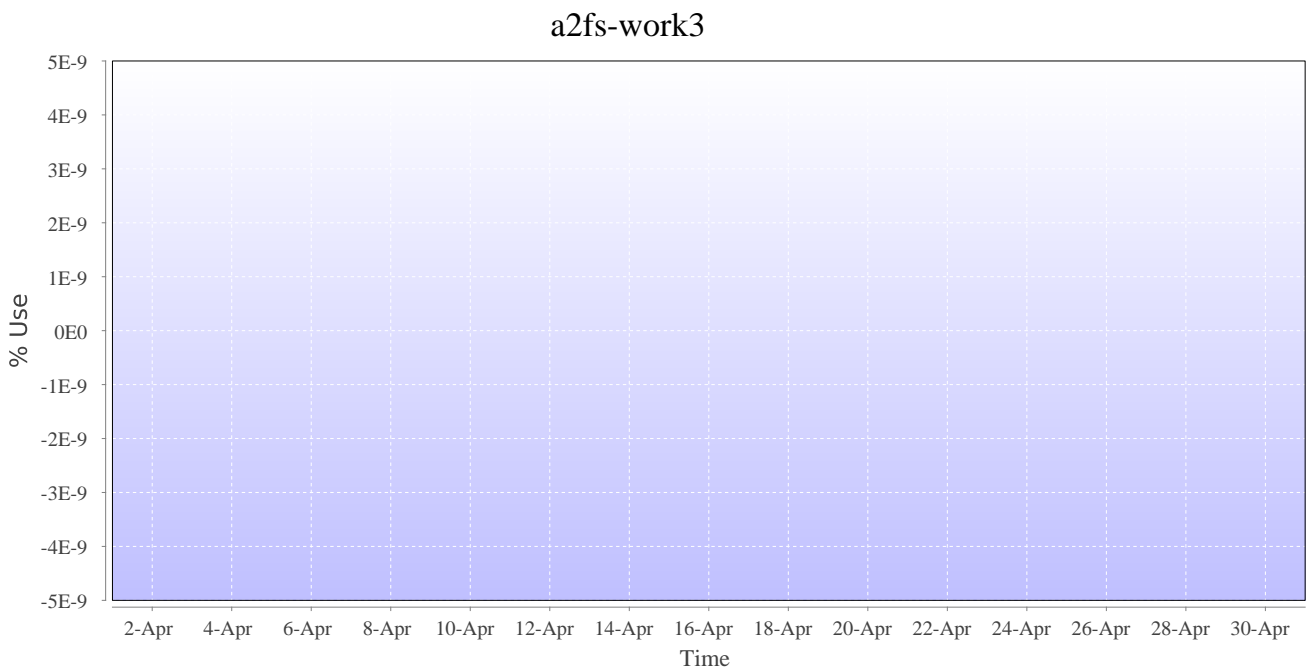
Disk usage for work (a2fs-work2)

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.



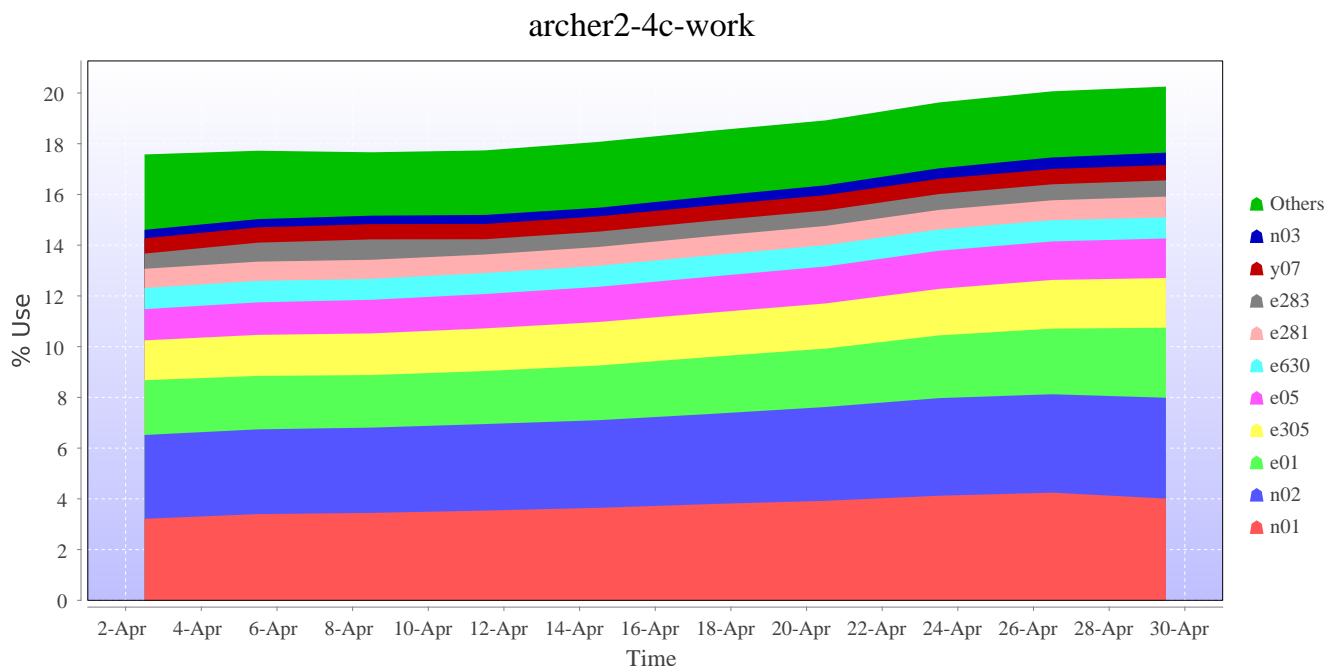
Disk usage for work (a2fs-work3)

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.



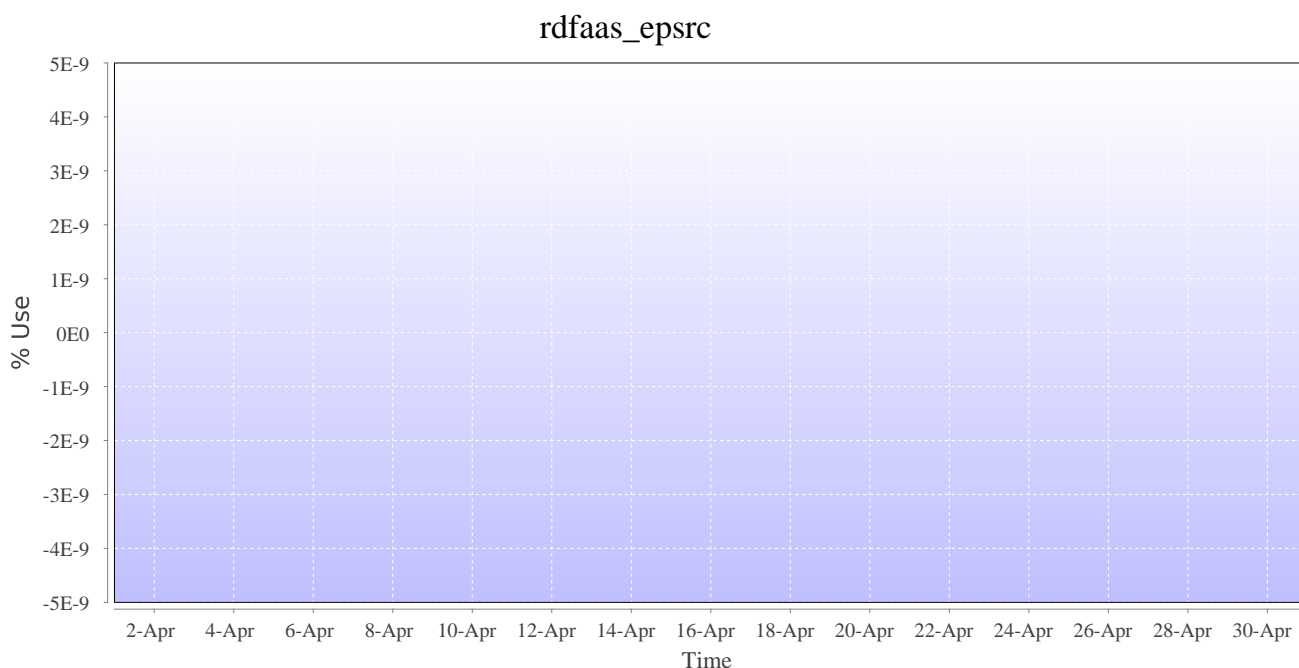
Disk usage for work-4cab (archer2-4c-work)

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.

