

Monthly Reporting

Report from 01 January 2021 to 31 March 2021

Report for Resource Pool Archer2 on archer2-4c

A total of 2,210,816 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.

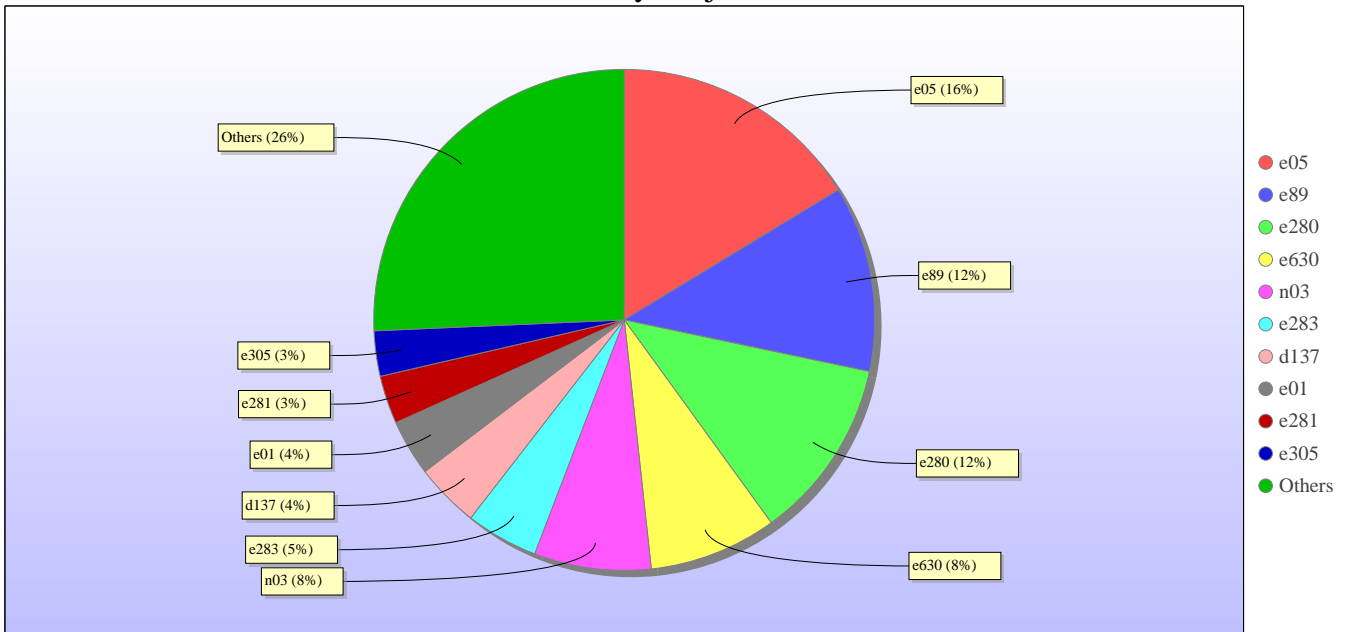
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
y18	Early use	229	0.0	0.00%	16,555.5	0.75%	54,852.6	2.48%
e683	Pioneer Projects	585	0.0	0.00%	6,089.7	0.28%	100.0	0.00%
e685	Pioneer Projects	205	0.0	0.00%	27,893.1	1.26%	100.0	0.00%
e686	Pioneer Projects	136	0.0	0.00%	1,090.2	0.05%	100.0	0.00%
e687	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e688	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e689	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e691	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e692	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
e693	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	25.4	0.00%
E635	Class1a	1,102	0.0	0.00%	3,205.4	0.14%	100.0	0.00%
c01	Class1a	1,985	0.0	0.00%	26,029.0	1.18%	55,529.8	2.51%
e432	Class1a	216	0.0	0.00%	5,082.8	0.23%	100.0	0.00%
e448	Class1a	484	0.0	0.00%	4,698.6	0.21%	100.0	0.00%
e537	Class1a	11	0.0	0.00%	3.4	0.00%	100.0	0.00%
e572	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e575	Class1a	75	0.0	0.00%	43.9	0.00%	100.0	0.00%
e584	Class1a	3,221	0.0	0.00%	9,358.0	0.42%	100.0	0.00%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e606	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e607	Class1a	768	0.0	0.00%	5,252.0	0.24%	100.0	0.00%
e608	Class1a	4	0.0	0.00%	409.7	0.02%	100.0	0.00%
e609	Class1a	722	0.0	0.00%	359.6	0.02%	100.0	0.00%
e610	Class1a	195	0.0	0.00%	2,013.5	0.09%	100.0	0.00%
e613	Class1a	42	0.0	0.00%	2,314.1	0.10%	100.0	0.00%
e627	Class1a	225	0.0	0.00%	5,395.7	0.24%	100.0	0.00%
e630	Class1a	751	0.0	0.00%	154,932.0	7.01%	100.0	0.00%
e637	Class1a	17	0.0	0.00%	50.9	0.00%	100.0	0.00%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e643	Class1a	638	0.0	0.00%	676.9	0.03%	100.0	0.00%
e645	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e647	Class1a	1,230	0.0	0.00%	5,870.3	0.27%	100.0	0.00%
e648	Class1a	796	0.0	0.00%	37,069.9	1.68%	100.0	0.00%
e649	Class1a	108	0.0	0.00%	6,514.3	0.29%	100.0	0.00%
e651	Class1a	692	0.0	0.00%	511.4	0.02%	100.0	0.00%
e655	Class1a	473	0.0	0.00%	29,317.0	1.33%	100.0	0.00%
e663	Class1a	352	0.0	0.00%	2,783.5	0.13%	100.0	0.00%
e667	Class1a	73	0.0	0.00%	1,257.1	0.06%	100.0	0.00%
e668	Class1a	731	0.0	0.00%	3,551.0	0.16%	100.0	0.00%
e681	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e682	Class1a	194	0.0	0.00%	95.4	0.00%	100.0	0.00%
e684	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e696	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e697	Class1a	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e6337	Class1a	176	0.0	0.00%	20,615.1	0.93%	100.0	0.00%
e01	Consortia	9,090	0.0	0.00%	67,935.8	3.07%	55,529.8	2.51%
e05	Consortia	14,537	0.0	0.00%	305,988.6	13.84%	55,529.8	2.51%
e89	Consortia	5,994	0.0	0.00%	224,829.4	10.17%	55,529.8	2.51%
e280	Consortia	2,571	0.0	0.00%	219,699.6	9.94%	55,529.8	2.51%
e281	Consortia	1,254	0.0	0.00%	58,289.3	2.64%	55,529.8	2.51%
e283	Consortia	3,293	0.0	0.00%	87,613.5	3.96%	55,529.8	2.51%
e305	Consortia	1,444	0.0	0.00%	54,817.3	2.48%	55,529.8	2.51%
e585	Consortia	1,982	0.0	0.00%	26,965.0	1.22%	55,529.8	2.51%
e658	Consortia	16,511	0.0	0.00%	34,334.7	1.55%	100.0	0.00%
e695	Pump Priming	70	0.0	0.00%	79.8	0.00%	41.3	0.00%
e348	Direct Access: ARCHER RAP	1,946	0.0	0.00%	13,481.7	0.61%	100.0	0.00%
e507	Direct Access: ARCHER RAP	236	0.0	0.00%	5,055.9	0.23%	100.0	0.00%
e664	Direct Access: ARCHER RAP	51	0.0	0.00%	8.5	0.00%	100.0	0.00%
e672	Direct Access: ARCHER RAP	371	0.0	0.00%	766.2	0.03%	100.0	0.00%
e676	Direct Access: ARCHER RAP	393	0.0	0.00%	3,125.0	0.14%	100.0	0.00%
e677	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e632	Instant Access	514	0.0	0.00%	19,327.9	0.87%	100.0	0.00%
e665	Instant Access	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e669	Instant Access	173	0.0	0.00%	438.5	0.02%	100.0	0.00%
e670	Instant Access	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e671	Instant Access	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
ecseaa12	eCSE	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
ta005	Training	21	0.0	0.00%	0.0	0.00%	0.0	0.00%
ta007	Training	4	0.0	0.00%	0.0	0.00%	242.4	0.01%
ta008	Training	0	0.0	0.00%	0.0	0.00%	375.0	0.02%
ta009	Training	1	0.0	0.00%	0.0	0.00%	478.3	0.02%
ta010	Training	0	0.0	0.00%	0.0	0.00%	405.4	0.02%
ta012	Training	288	0.0	0.00%	0.4	0.00%	594.9	0.03%
ta013	Training	521	0.0	0.00%	1,704.8	0.08%	636.4	0.03%
ta014	Training	127	0.0	0.00%	439.6	0.02%	609.8	0.03%
ta015	Training	186	0.0	0.00%	3.2	0.00%	604.9	0.03%
ta016	Training	75	0.0	0.00%	0.3	0.00%	1,000.0	0.05%
ta017	Training	644	0.0	0.00%	27.9	0.00%	1,000.0	0.05%
ta018	Training	216	0.0	0.00%	1.5	0.00%	1,000.0	0.05%
ta019	Training	89	0.0	0.00%	188.5	0.01%	1,000.0	0.05%
ta020	Training	661	0.0	0.00%	1.1	0.00%	1,000.0	0.05%
ta021	Training	0	0.0	0.00%	0.0	0.00%	185.5	0.01%
ta022	Training	117	0.0	0.00%	2.4	0.00%	482.4	0.02%
ta023	Training	0	0.0	0.00%	0.0	0.00%	168.9	0.01%
e596	Access to HPC	40	0.0	0.00%	212.0	0.01%	100.0	0.00%
e673	Access to HPC	47	0.0	0.00%	29.9	0.00%	100.0	0.00%
e674	Access to HPC	445	0.0	0.00%	19,612.2	0.89%	100.0	0.00%
e675	Access to HPC	9	0.0	0.00%	0.0	0.00%	100.0	0.00%

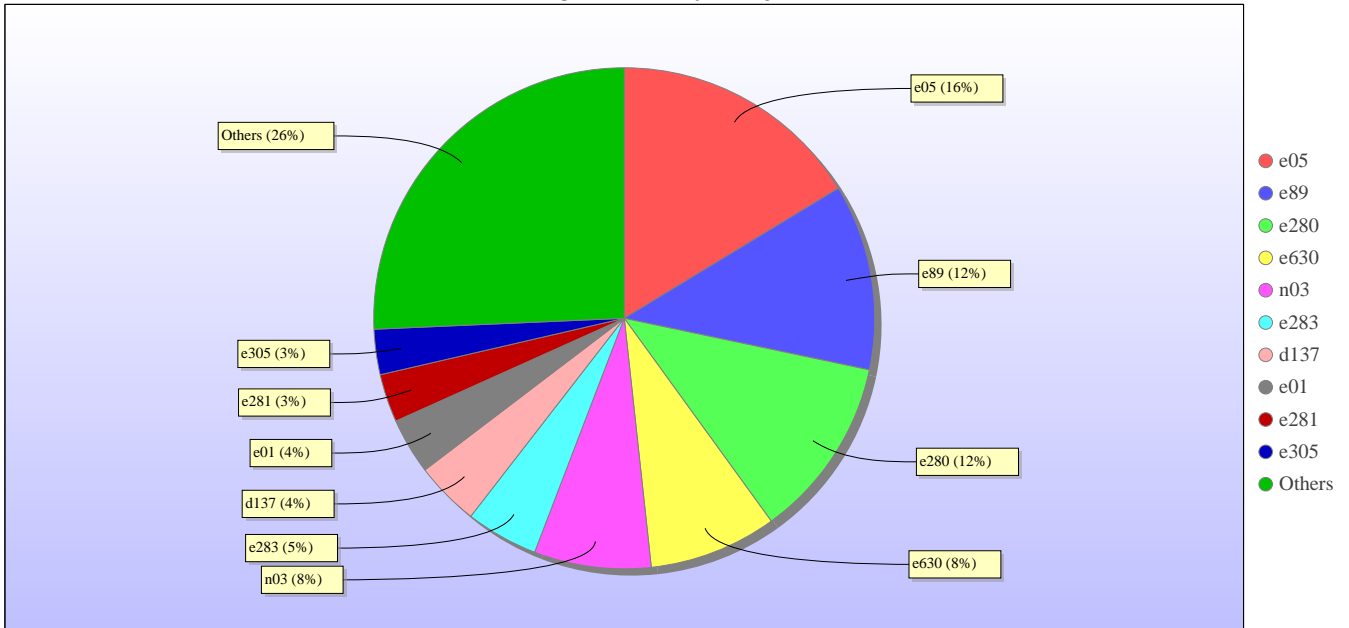
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e678	Access to HPC	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
e679	Access to HPC	188	0.0	0.00%	2,849.3	0.13%	100.0	0.00%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
EPSRC Total		80,545	0.0	0.00%	1,526,868.5	69.06%	570,424.0	25.80%
n01	Consortia	6,175	0.0	0.00%	22,342.7	1.01%	55,529.8	2.51%
n02	Consortia	10,952	0.0	0.00%	36,943.2	1.67%	22,214.2	1.00%
n03	Consortia	3,024	0.0	0.00%	141,555.0	6.40%	55,529.8	2.51%
NERC Total		20,151	0.0	0.00%	200,840.9	9.08%	133,273.9	6.03%
e621	Class1a	384	0.0	0.00%	6,159.8	0.28%	100.0	0.00%
e568	Research	0	0.0	0.00%	0.0	0.00%	46.5	0.00%
BBSRC Total		384	0.0	0.00%	6,159.8	0.28%	146.5	0.01%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	45.8	0.00%
pr1u1552	DECI: EXEC	54	0.0	0.00%	3.0	0.00%	45.5	0.00%
pr1u1651	DECI: EXEC	46	0.0	0.00%	3,653.4	0.17%	100.0	0.00%
pr1u1652	DECI: EXEC	489	0.0	0.00%	5,200.4	0.24%	100.0	0.00%
pr1u1653	DECI: EXEC	96	0.0	0.00%	2,317.8	0.10%	100.0	0.00%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1655	DECI: EXEC	602	0.0	0.00%	2,587.3	0.12%	100.0	0.00%
pr1u1656	DECI: EXEC	563	0.0	0.00%	4,367.1	0.20%	100.0	0.00%
pr1u1657	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1658	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1659	DECI: EXEC	739	0.0	0.00%	2,786.3	0.13%	2,191.9	0.10%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
pr1u1601	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1602	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1603	DECI: HOME	82	0.0	0.00%	566.0	0.03%	100.0	0.00%
pr1u1604	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1605	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1606	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1607	DECI: HOME	0	0.0	0.00%	0.0	0.00%	45.5	0.00%
pr1u1608	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1609	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1610	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
pr1u1611	DECI: HOME	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
PRACE Total		2,671	0.0	0.00%	21,481.1	0.97%	4,129.2	0.19%
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	95.0	0.00%
ecseaa26	eCSE	0	0.0	0.00%	0.0	0.00%	24.0	0.00%
ecseaa28	eCSE	0	0.0	0.00%	0.0	0.00%	111.1	0.01%
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	34.5	0.00%
ecseab13	eCSE	23	0.0	0.00%	0.1	0.00%	68.6	0.00%
eCSE Total		23	0.0	0.00%	0.1	0.00%	333.1	0.02%
d35	Research	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
d56	Research	767	0.0	0.00%	5,511.9	0.25%	100.0	0.00%
d114	Research	550	0.0	0.00%	3,642.4	0.16%	100.0	0.00%
d118	Research	121	0.0	0.00%	8.1	0.00%	100.0	0.00%
d137	Research	918	0.0	0.00%	77,938.2	3.53%	100.0	0.00%
d142	Research	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
d143	Research	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
d155	Research	298	0.0	0.00%	3,291.9	0.15%	100.0	0.00%
d170	Research	894	0.0	0.00%	479.0	0.02%	100.0	0.00%
d172	Research	0	0.0	0.00%	0.0	0.00%	595.9	0.03%
d428	Research	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
d429	Research	1,916	0.0	0.00%	5,978.5	0.27%	100.0	0.00%
d430	Research	295	0.0	0.00%	3,238.4	0.15%	100.0	0.00%
d431	Research	165	0.0	0.00%	457.0	0.02%	100.0	0.00%
d153	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
d432	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
i236	Industrial	128	0.0	0.00%	3,839.7	0.17%	100.0	0.00%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
d174	Training	721	0.0	0.00%	13.8	0.00%	100.0	0.00%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
y01	Service	62	0.0	0.00%	0.9	0.00%	555.3	0.03%
y02	Service	374	0.0	0.00%	635.1	0.03%	4,942.8	0.22%
y23	Service	139	0.0	0.00%	279.1	0.01%	10,000.0	0.45%
z19	Service	6,885	0.0	0.00%	14,855.7	0.67%	4,942.8	0.22%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
DirectorsTime Total		14,233	0.0	0.00%	120,169.6	5.44%	23,037.0	1.04%
y07	Service	23	0.0	0.00%	3.6	0.00%	492.9	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	246.5	0.01%
z02	Service	45	0.0	0.00%	1.0	0.00%	1,968.3	0.09%
CSE Total		68	0.0	0.00%	4.6	0.00%	2,707.7	0.12%
Total		118,075	0.0	0.00%	1,875,524.6	84.83%	734,051.3	33.20%

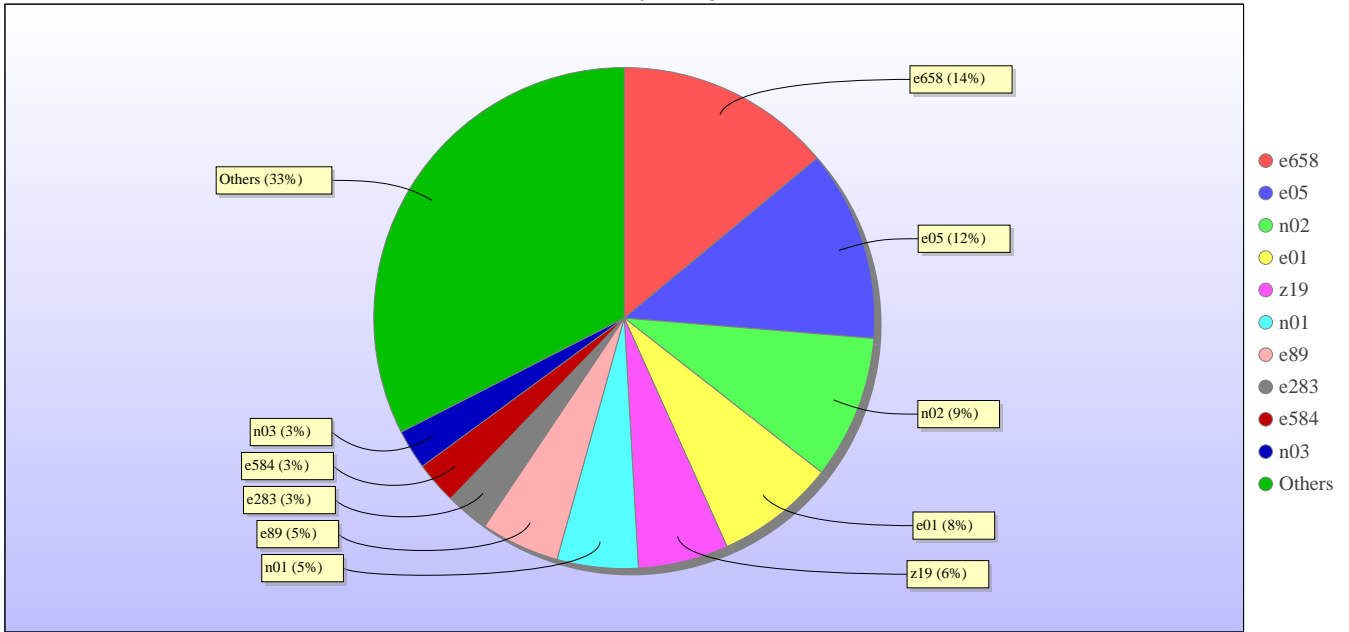
Use by Project



Uncharged Use by Project



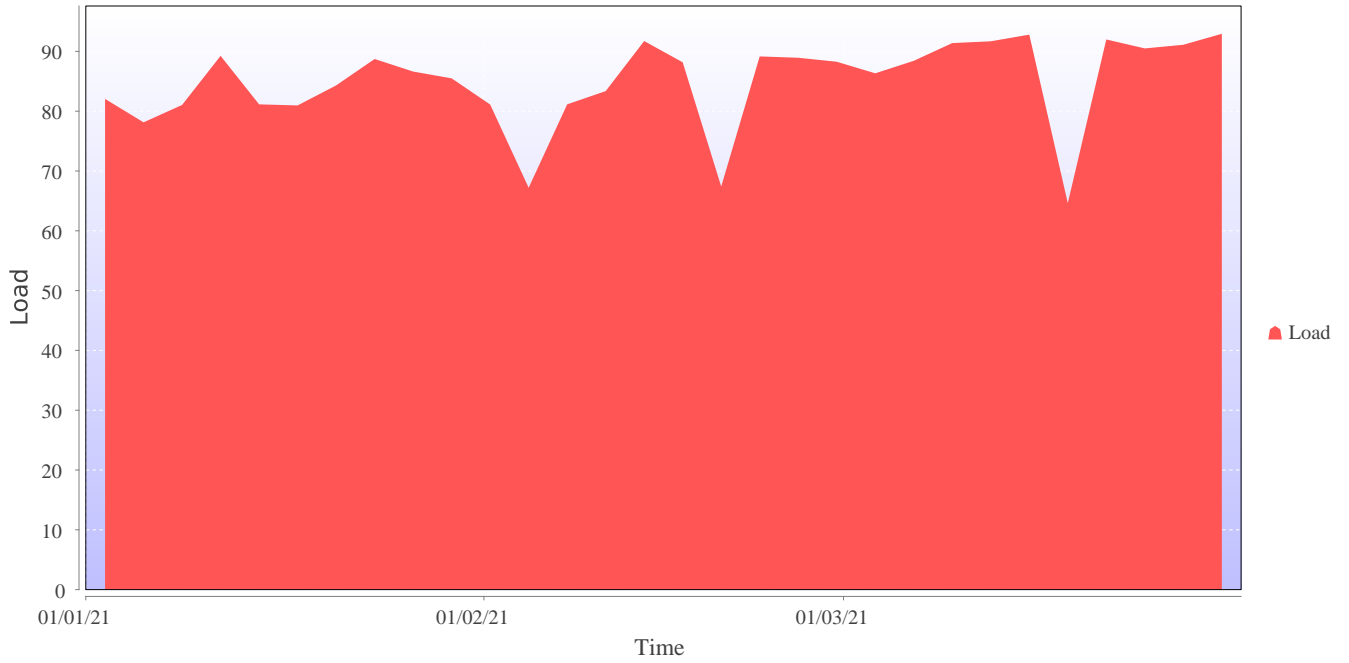
Jobs by Project



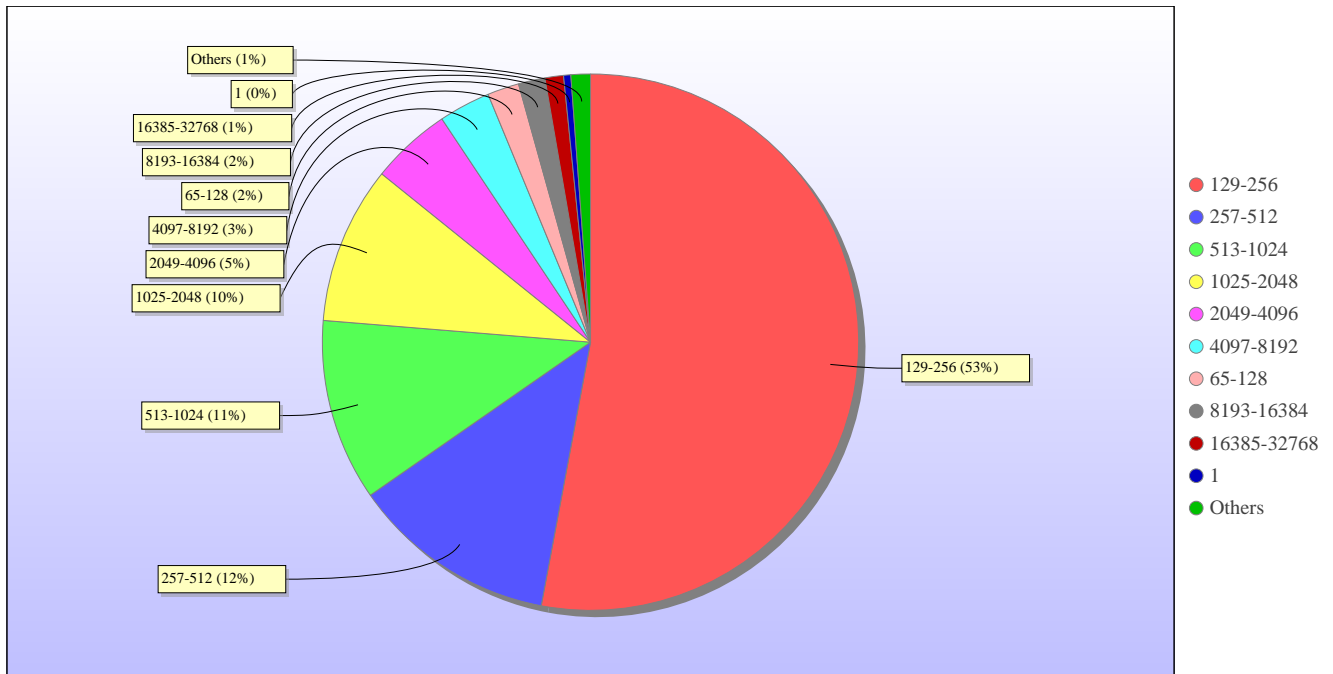
CUs (by Size)

Size	CUs	Number of Jobs
1	0	513
2	0	61
3-4	0	67
5-8	0	56
9-16	0	121
17-32	0	185
33-64	0	335
65-128	0	2,256
129-256	0	62,514
257-512	0	14,629
513-1024	0	12,942
1025-2048	0	11,223
2049-4096	0	5,729
4097-8192	0	3,672
8193-16384	0	1,893
16385-32768	0	1,321
32769-65536	0	394
65537-131072	0	136
131073-262144	0	28

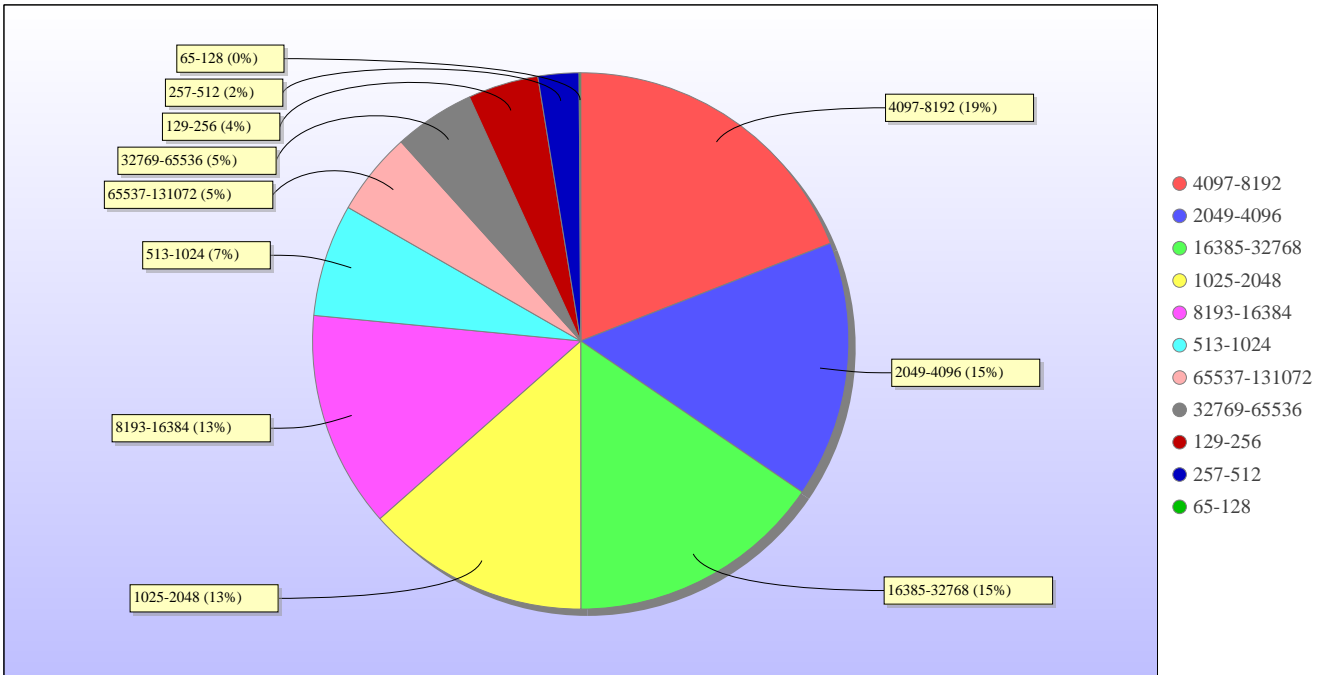
Load plots



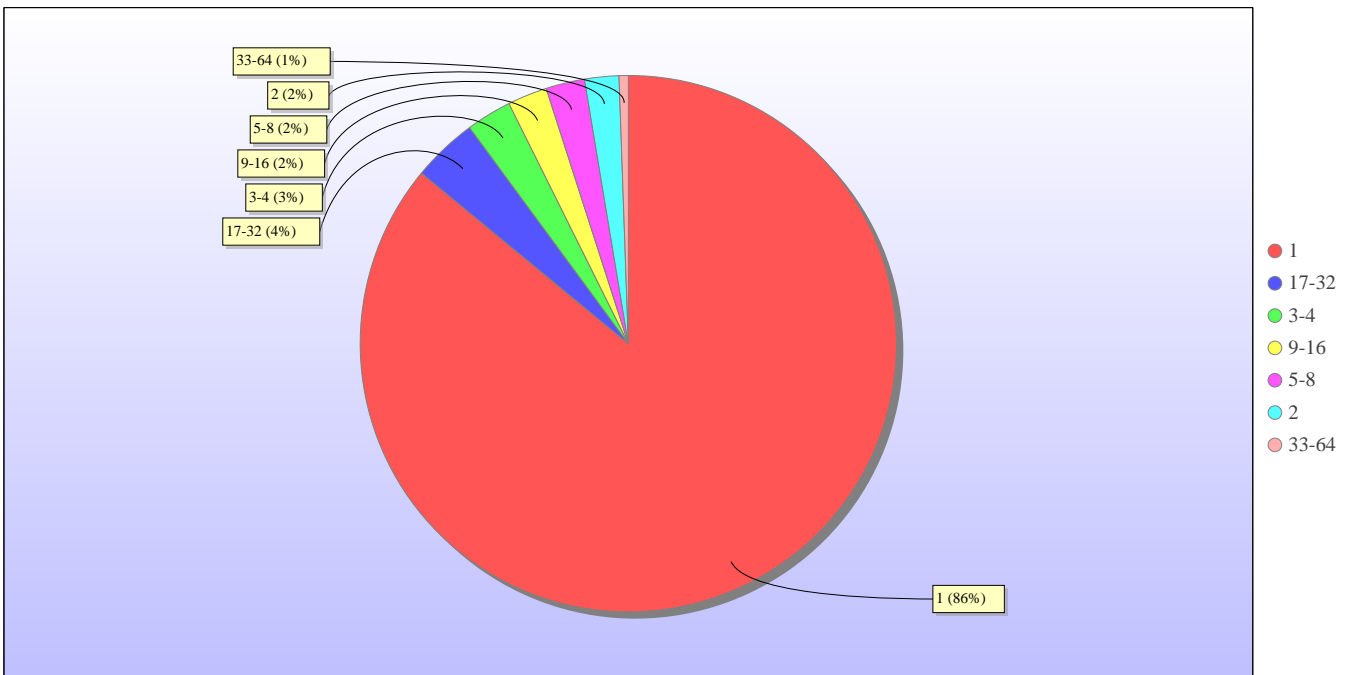
Percentage load on machine



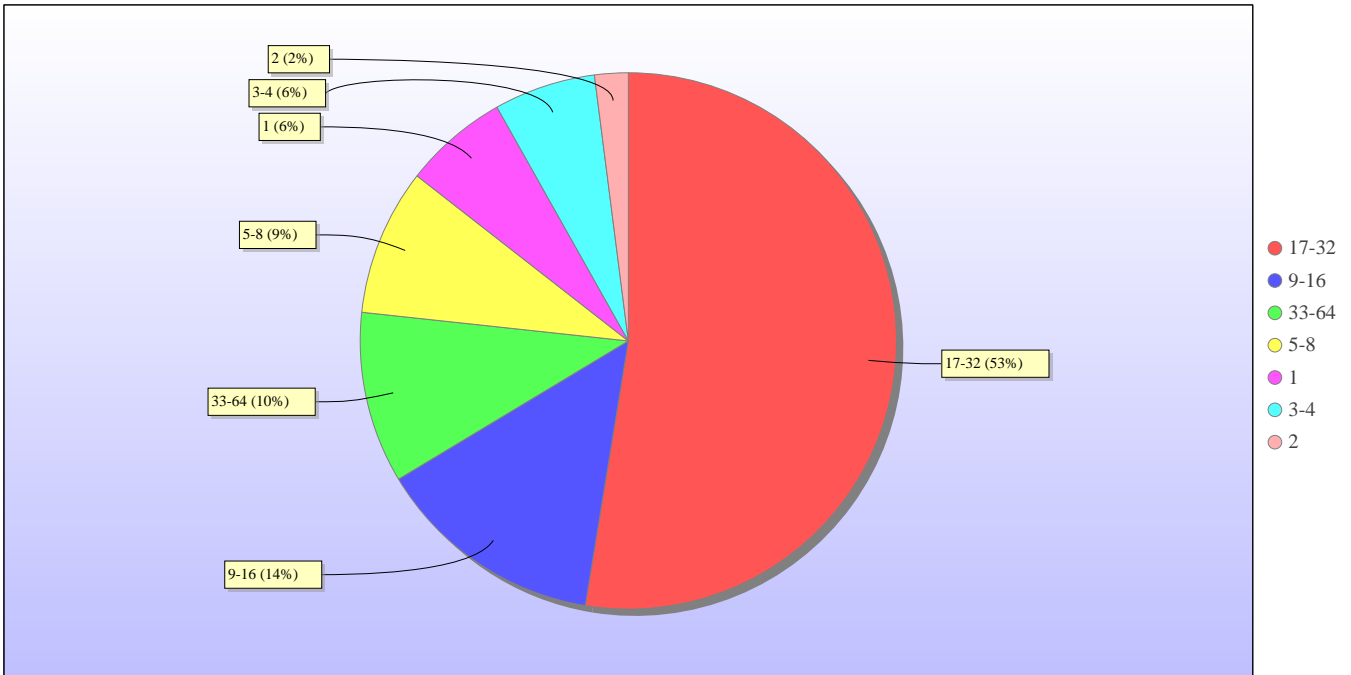
Jobs by Size



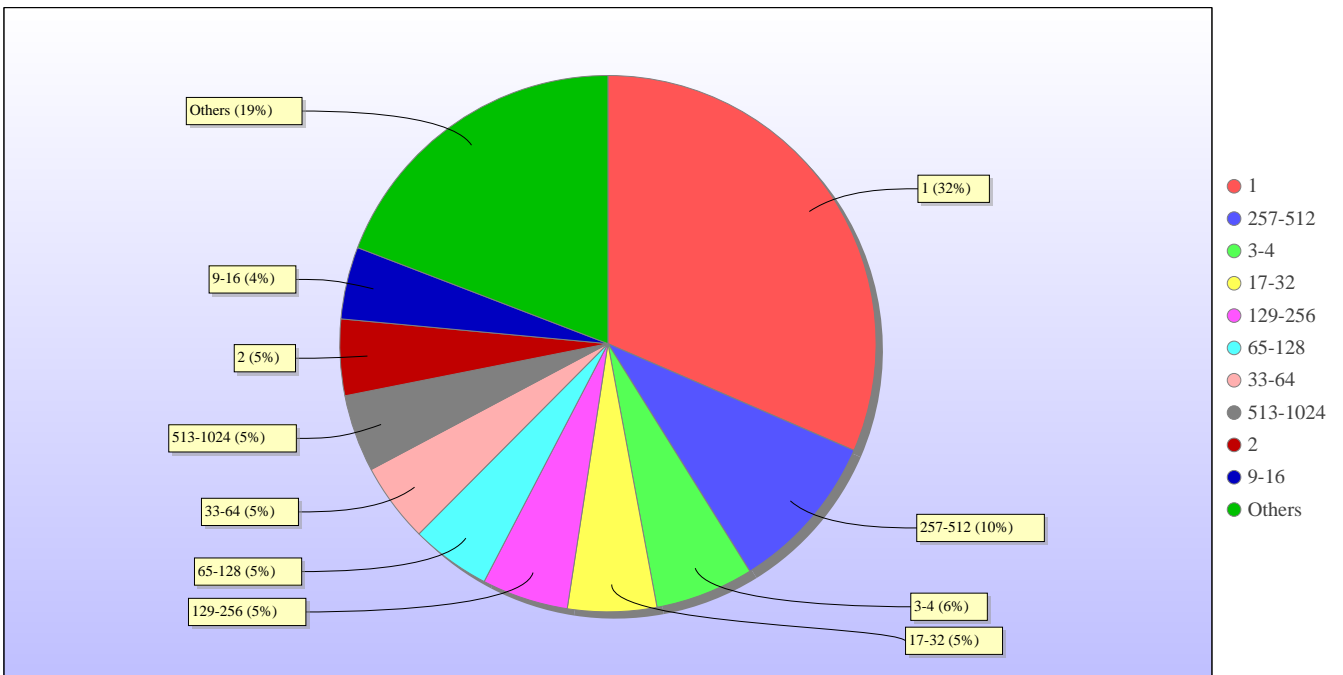
CUs used by Size



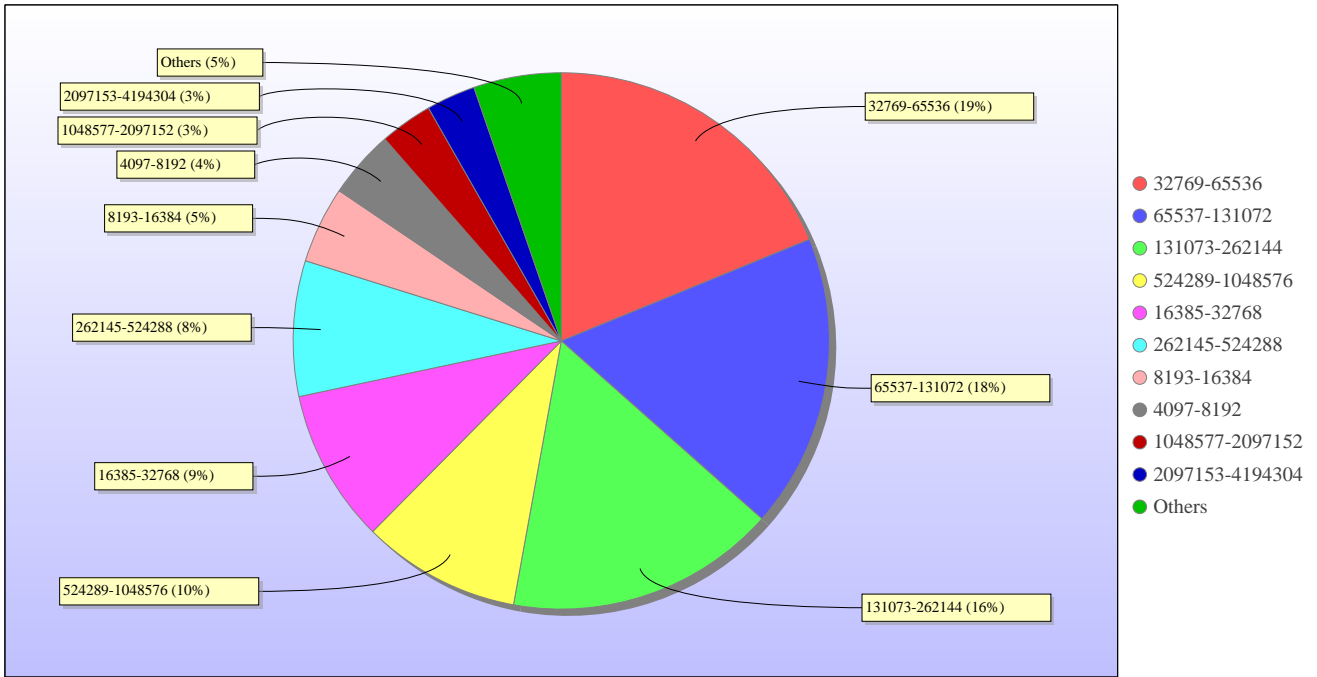
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

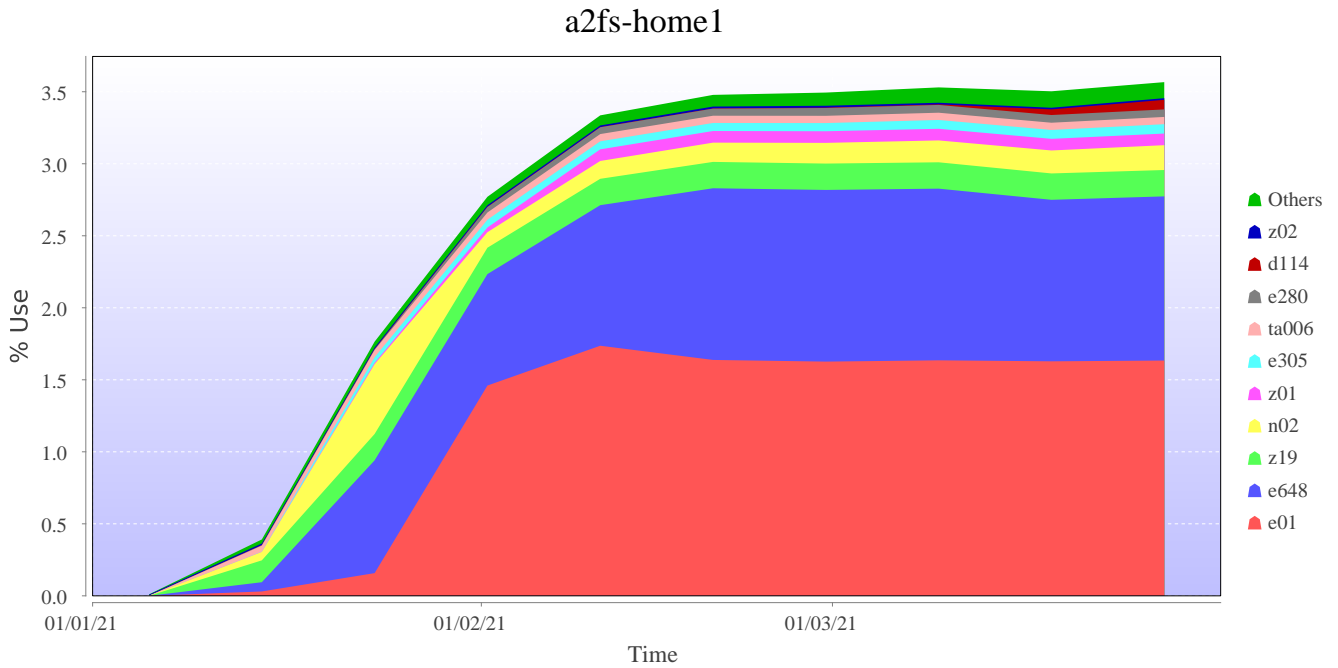


CUs used grouped by core-hours

Disk usage

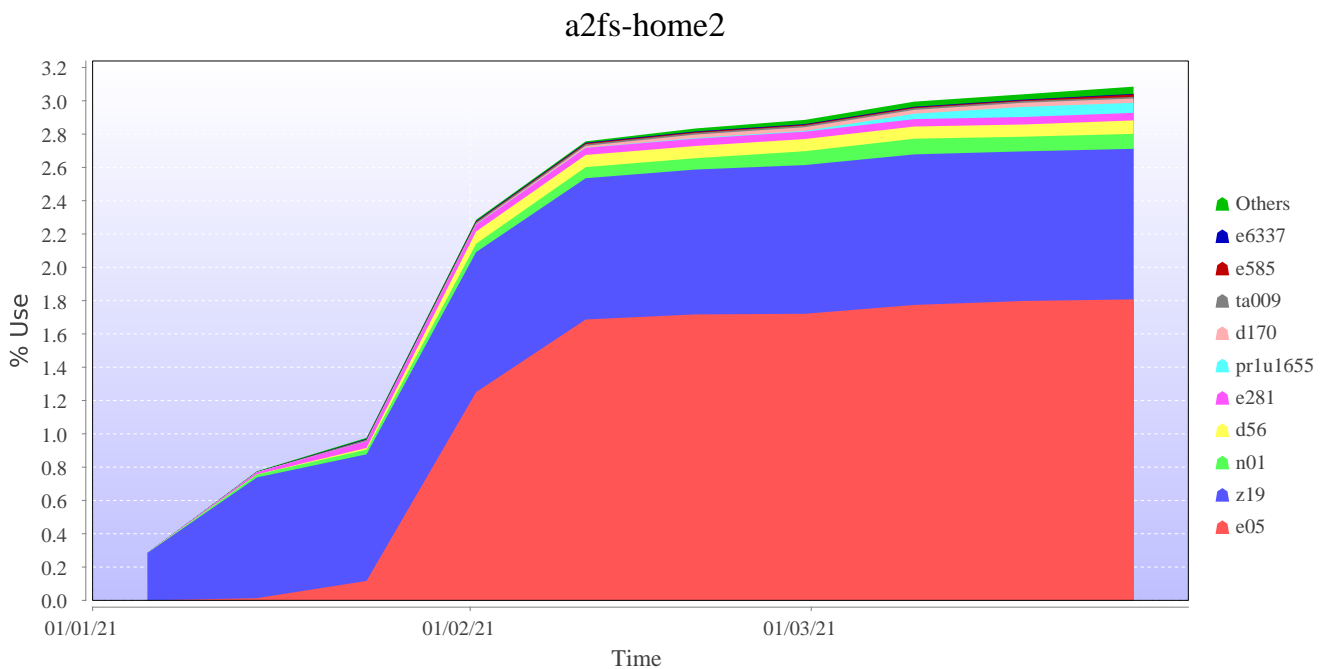
Disk usage for home (a2fs-home1)

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.



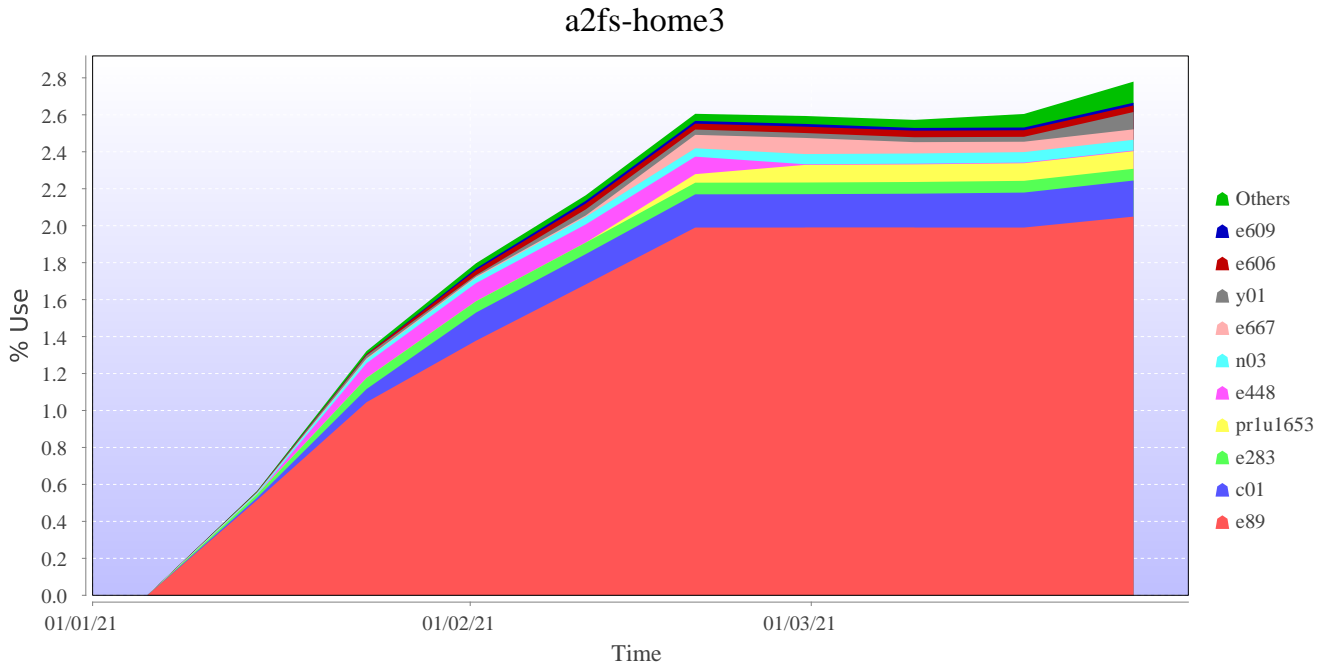
Disk usage for home (a2fs-home2)

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.



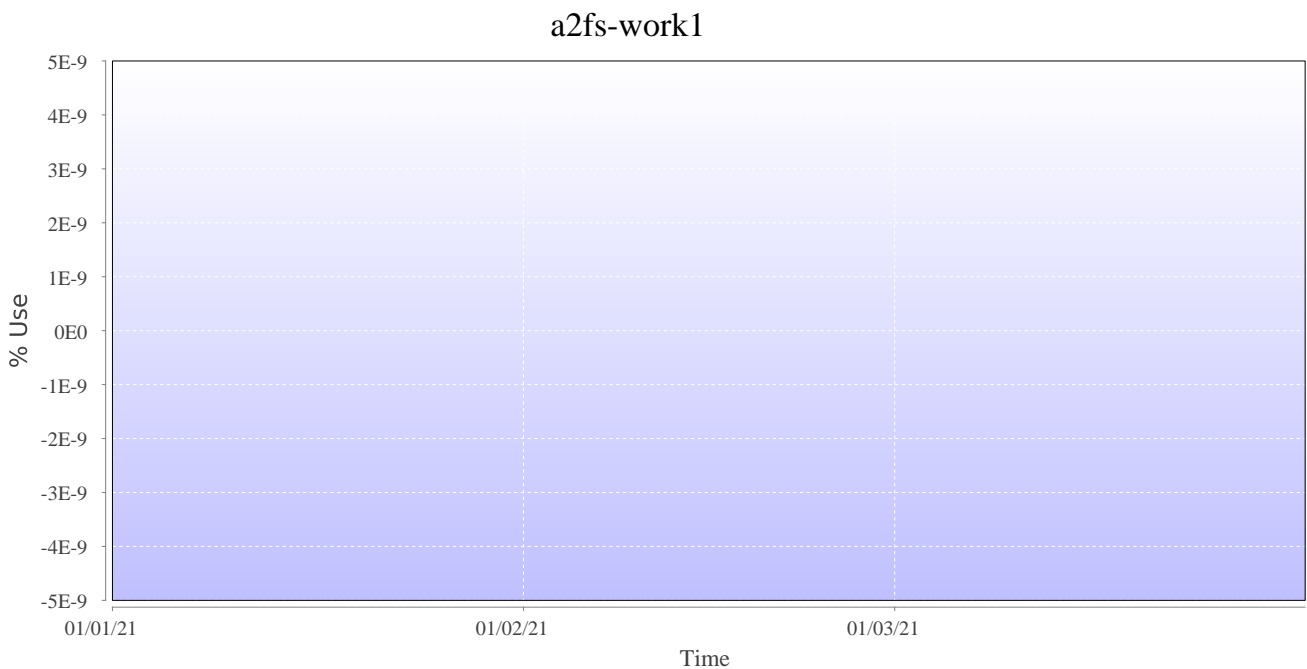
Disk usage for home (a2fs-home3)

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.



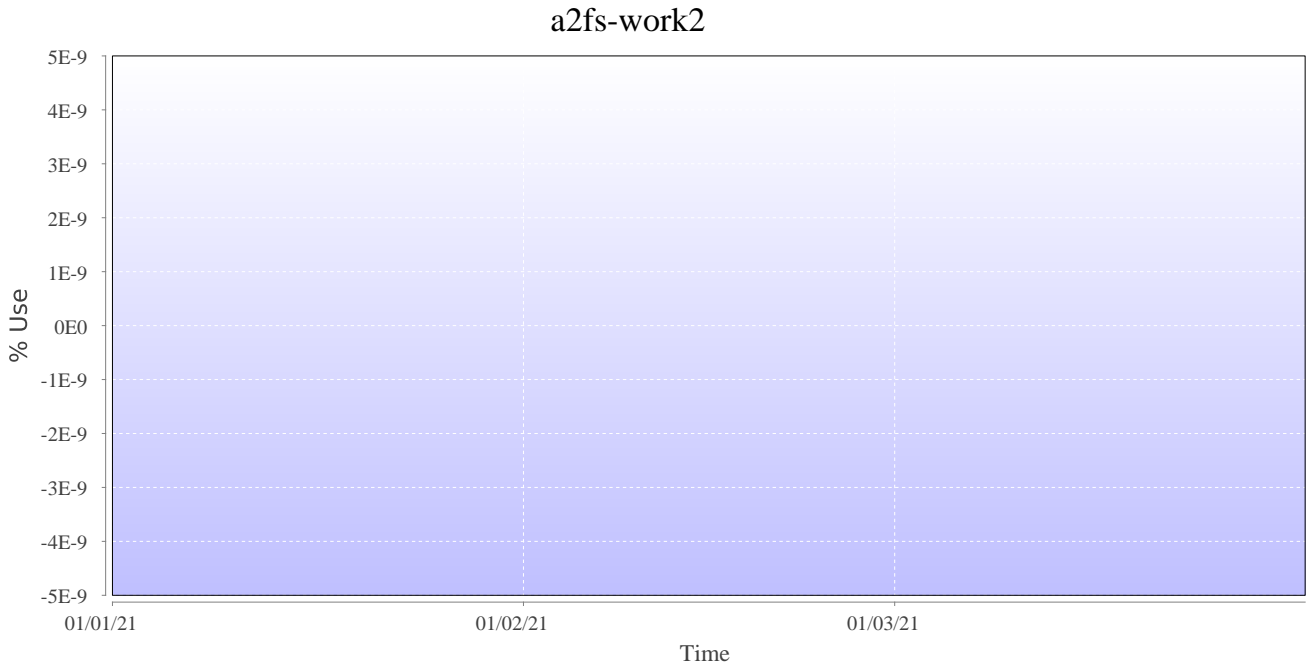
Disk usage for work (a2fs-work1)

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.



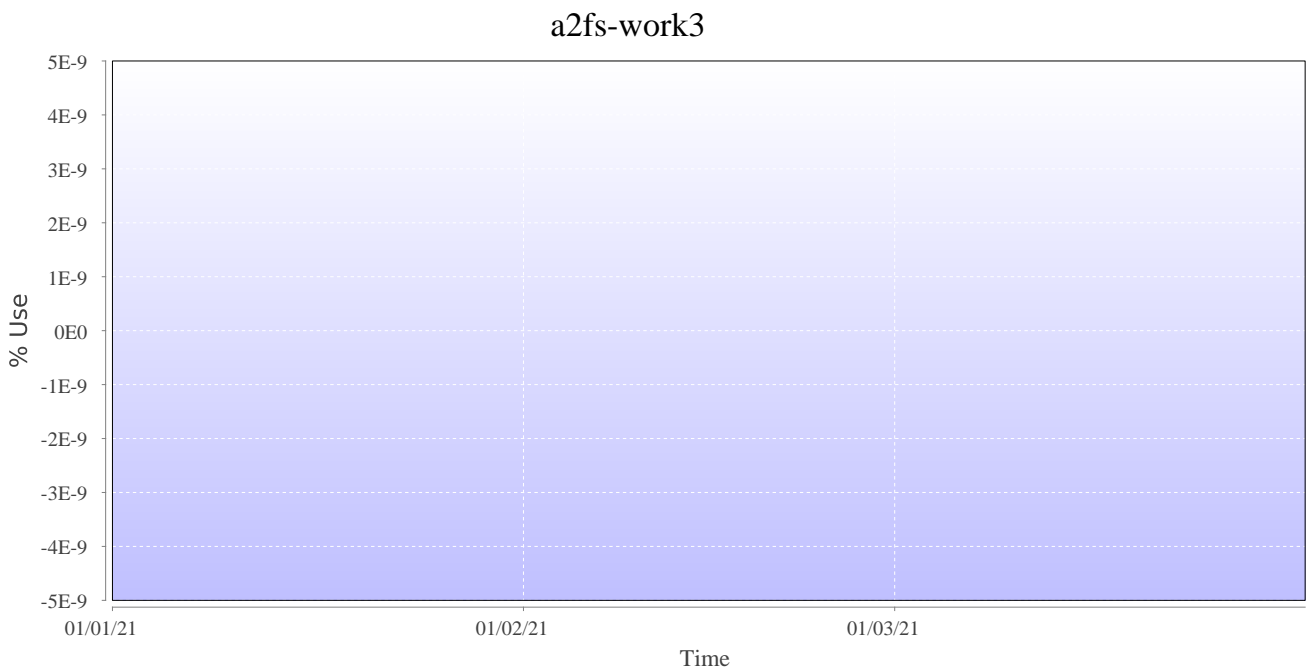
Disk usage for work (a2fs-work2)

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.



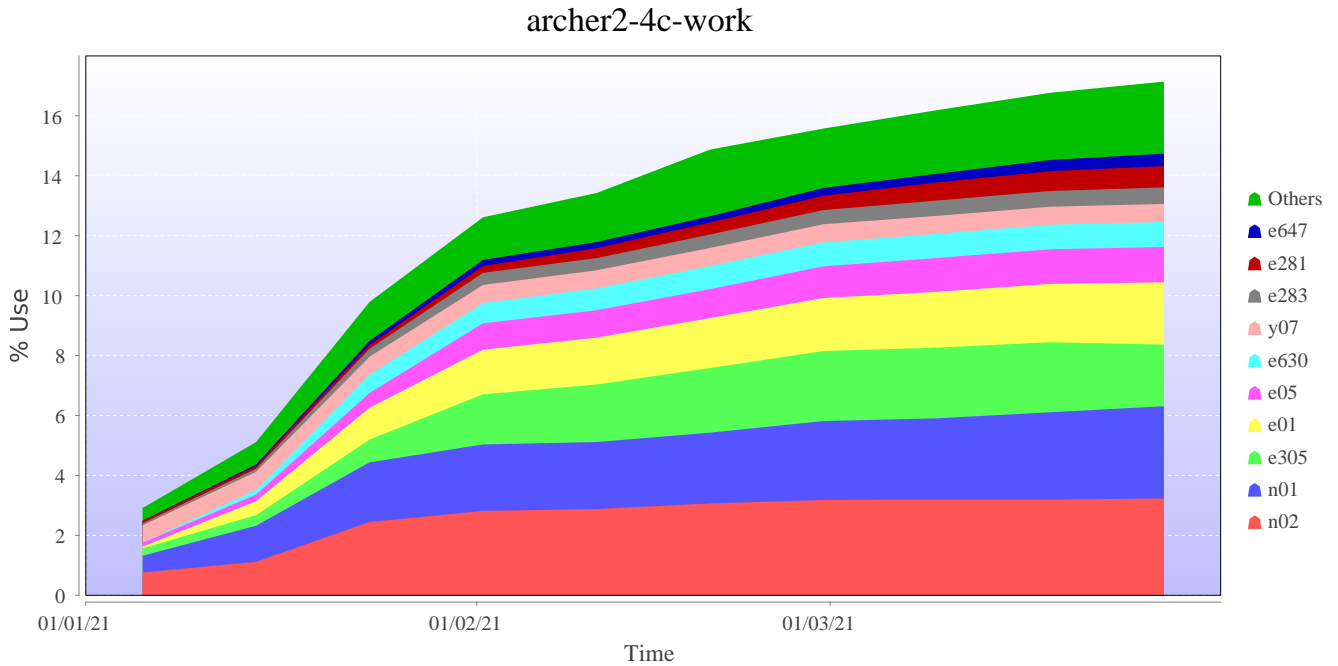
Disk usage for work (a2fs-work3)

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.



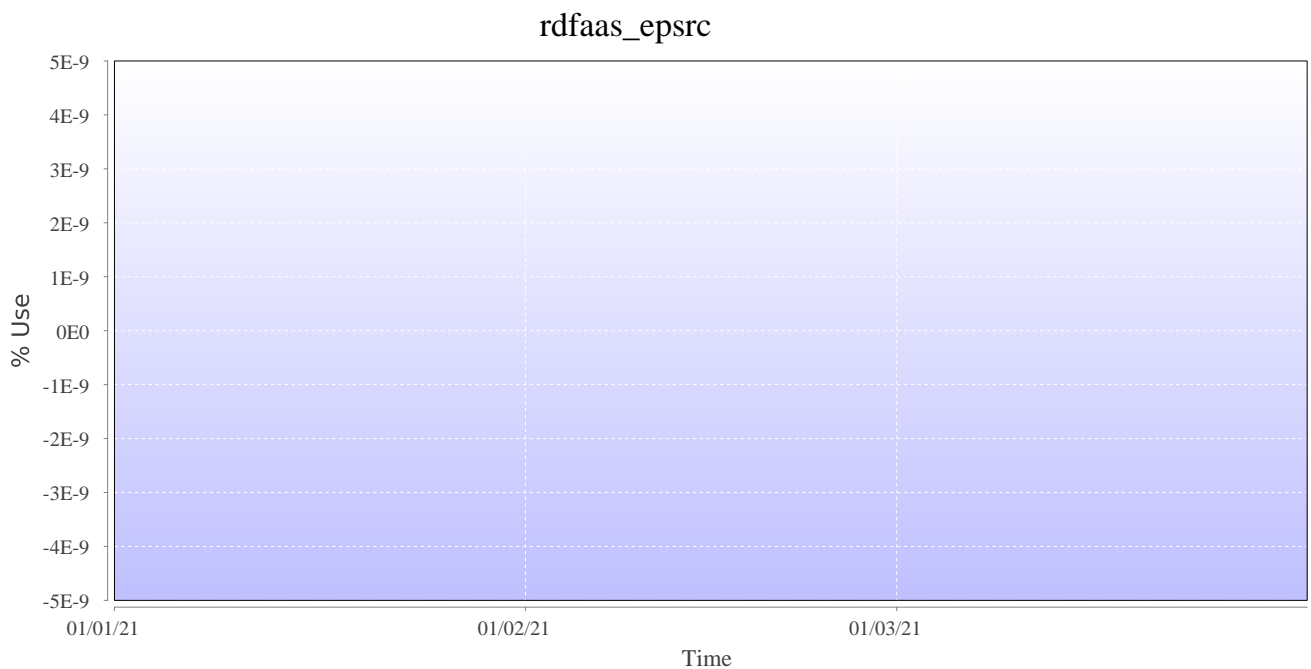
Disk usage for work-4cab (archer2-4c-work)

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.

