

Monthly Reporting

Report from 01 June 2021 to 30 June 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.

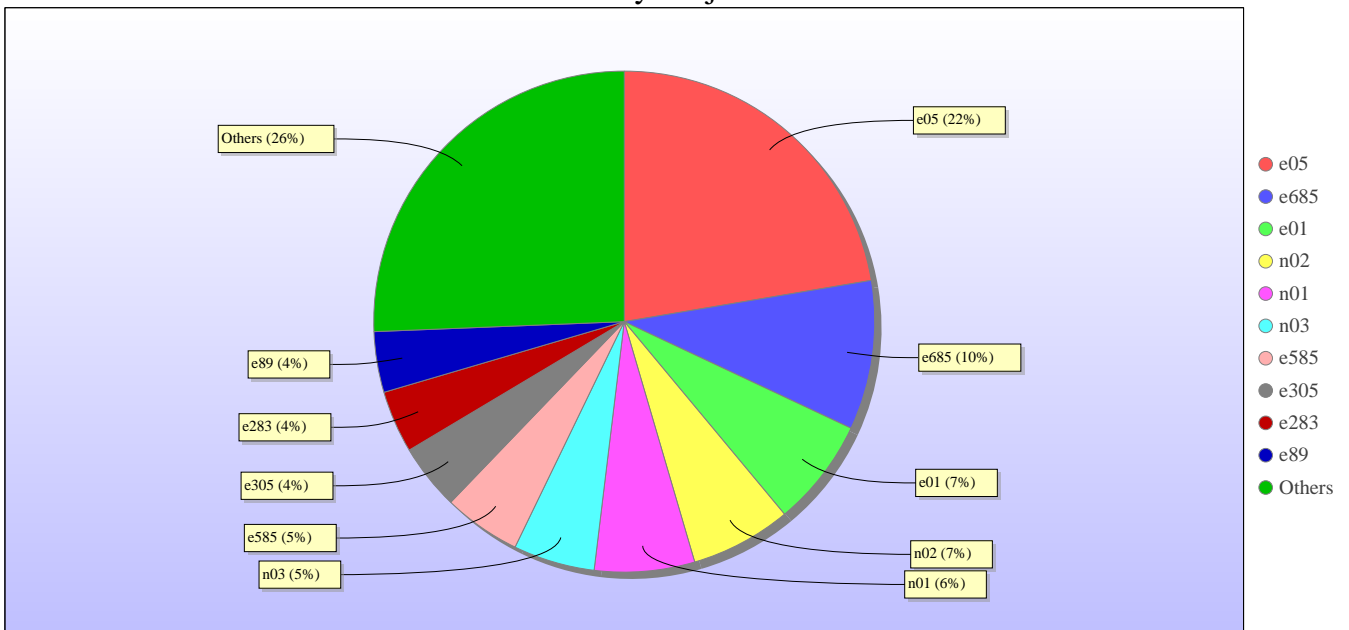
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e691	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e692	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e693	Leadership Awards	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
e683	Pioneer Projects	1,177	9,882.9	1.34%	9,882.9	1.34%	9,075.0	1.23%
e685	Pioneer Projects	276	58,674.0	7.96%	58,674.0	7.96%	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	18	0.0	0.00%	0.0	0.00%	24.6	0.00%
e689	Pioneer Projects	35	0.2	0.00%	0.2	0.00%	24.6	0.00%
e690	Pioneer Projects	0	0.0	0.00%	0.0	0.00%	24.6	0.00%
E635	Class1a	324	1,810.3	0.25%	1,810.3	0.25%	3,244.2	0.44%
c01	Class1a	1,853	22,170.7	3.01%	22,179.8	3.01%	11,365.4	1.54%
e432	Class1a	51	284.0	0.04%	284.0	0.04%	5,052.4	0.69%
e480	Class1a	0	0.0	0.00%	0.0	0.00%	40.0	0.01%
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%	2,503.0	0.34%
e575	Class1a	247	1,740.5	0.24%	1,740.5	0.24%	983.6	0.13%
e584	Class1a	0	0.0	0.00%	0.0	0.00%	1,046.7	0.14%
e588	Class1a	0	0.0	0.00%	0.0	0.00%	3,912.1	0.53%
e606	Class1a	55	82.6	0.01%	82.6	0.01%	7,289.4	0.99%
e607	Class1a	293	5,207.7	0.71%	5,207.7	0.71%	10,275.6	1.39%
e608	Class1a	51	2,158.0	0.29%	2,158.0	0.29%	3,113.5	0.42%
e609	Class1a	43	109.1	0.01%	109.1	0.01%	3,136.8	0.43%
e610	Class1a	80	2,943.9	0.40%	2,943.9	0.40%	2,261.6	0.31%
e613	Class1a	0	0.0	0.00%	0.0	0.00%	1,291.1	0.18%
e627	Class1a	204	2,502.8	0.34%	2,502.8	0.34%	8,196.7	1.11%
e630	Class1a	50	15,863.8	2.15%	15,863.8	2.15%	12,451.9	1.69%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	1,824.3	0.25%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	9,163.8	1.24%
e643	Class1a	797	353.0	0.05%	353.0	0.05%	8,997.3	1.22%
e645	Class1a	0	0.0	0.00%	0.0	0.00%	2,604.3	0.35%
e647	Class1a	1,677	11,737.5	1.59%	11,737.5	1.59%	9,410.3	1.28%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e648	Class1a	6	45.0	0.01%	45.0	0.01%	5,429.3	0.74%
e649	Class1a	45	5,273.3	0.72%	5,273.3	0.72%	6,489.9	0.88%
e651	Class1a	0	0.0	0.00%	0.0	0.00%	2,588.1	0.35%
e655	Class1a	0	0.0	0.00%	0.0	0.00%	3,092.8	0.42%
e663	Class1a	123	1,822.8	0.25%	1,822.8	0.25%	2,744.3	0.37%
e667	Class1a	69	1,428.3	0.19%	1,428.3	0.19%	2,920.4	0.40%
e668	Class1a	68	1,147.9	0.16%	1,147.9	0.16%	1,860.4	0.25%
e681	Class1a	488	19.5	0.00%	19.5	0.00%	575.9	0.08%
e682	Class1a	0	0.0	0.00%	0.0	0.00%	2,375.1	0.32%
e684	Class1a	11	38.8	0.01%	38.8	0.01%	1,013.5	0.14%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	1,834.3	0.25%
e696	Class1a	28	143.6	0.02%	143.6	0.02%	72.5	0.01%
e697	Class1a	18	242.2	0.03%	242.2	0.03%	2,840.4	0.39%
e700	Class1a	0	0.0	0.00%	0.0	0.00%	395.9	0.05%
e701	Class1a	134	1,434.1	0.19%	1,434.1	0.19%	2,003.7	0.27%
e702	Class1a	0	0.0	0.00%	0.0	0.00%	51.7	0.01%
e707	Class1a	0	0.0	0.00%	0.0	0.00%	4,623.9	0.63%
e6337	Class1a	101	3,860.0	0.52%	3,860.0	0.52%	2,163.3	0.29%
e01	Consortia	1,932	37,572.9	5.10%	42,419.5	5.75%	87,593.4	11.88%
e05	Consortia	11,324	120,917.4	16.40%	136,323.1	18.49%	187,275.3	25.40%
e89	Consortia	2,175	23,873.4	3.24%	23,873.4	3.24%	73,280.4	9.94%
e280	Consortia	660	20,475.2	2.78%	20,475.2	2.78%	34,413.7	4.67%
e281	Consortia	253	2,093.1	0.28%	2,093.1	0.28%	10,955.3	1.49%
e283	Consortia	1,362	24,484.9	3.32%	24,484.9	3.32%	9,663.3	1.31%
e305	Consortia	867	25,879.1	3.51%	25,879.1	3.51%	36,957.9	5.01%
e585	Consortia	2,926	30,498.9	4.14%	30,498.9	4.14%	21,632.9	2.93%
e658	Consortia	0	0.0	0.00%	0.0	0.00%	3,296.7	0.45%
e695	Pump Priming	0	0.0	0.00%	0.0	0.00%	124.4	0.02%
e698	Pump Priming	0	0.0	0.00%	0.0	0.00%	130.4	0.02%
e699	Pump Priming	0	0.0	0.00%	0.0	0.00%	98.3	0.01%
e703	Pump Priming	373	938.0	0.13%	938.0	0.13%	131.1	0.02%
e704	Pump Priming	0	0.0	0.00%	0.0	0.00%	125.6	0.02%
e348	Direct Access: ARCHER RAP	756	4,827.6	0.65%	4,827.6	0.65%	2,964.6	0.40%
e507	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	2,181.5	0.30%
e566	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	40.0	0.01%
e664	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	1,246.4	0.17%
e672	Direct Access: ARCHER RAP	25	43.9	0.01%	43.9	0.01%	2,219.9	0.30%
e676	Direct Access: ARCHER RAP	91	1,694.6	0.23%	1,694.6	0.23%	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	255	3,217.6	0.44%	3,217.6	0.44%	4,712.0	0.64%
e669	Instant Access	0	0.0	0.00%	0.0	0.00%	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	32	23.5	0.00%	23.5	0.00%	65.8	0.01%
ta021	Training	0	0.0	0.00%	0.0	0.00%	61.9	0.01%
ta026	Training	0	0.0	0.00%	0.0	0.00%	61.5	0.01%
ta027	Training	7	0.0	0.00%	0.0	0.00%	82.2	0.01%
ta028	Training	138	0.5	0.00%	0.5	0.00%	638.3	0.09%
ta030	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.02%
ta031	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.02%
ta032	Training	0	0.0	0.00%	0.0	0.00%	130.4	0.02%
ta033	Training	0	0.0	0.00%	0.0	0.00%	136.4	0.02%
ec110	Tier2 RAP	0	0.0	0.00%	0.0	0.00%	219.7	0.03%
e596	Access to HPC	0	0.0	0.00%	0.0	0.00%	1,090.7	0.15%
e673	Access to HPC	84	347.7	0.05%	347.7	0.05%	4,363.0	0.59%
e674	Access to HPC	40	1,476.6	0.20%	1,659.0	0.23%	2,124.2	0.29%
e675	Access to HPC	421	1,391.5	0.19%	1,391.5	0.19%	11,518.3	1.56%

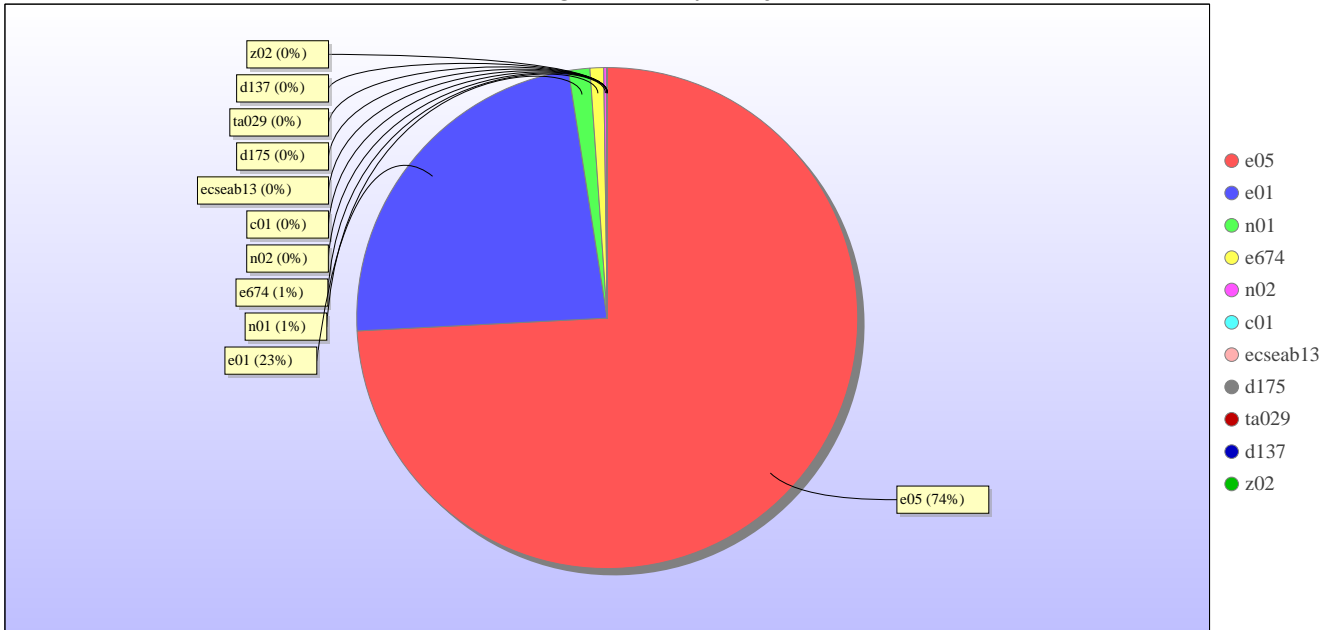
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e678	Access to HPC	333	2,355.5	0.32%	2,355.5	0.32%	785.3	0.11%
e679	Access to HPC	26	572.7	0.08%	572.7	0.08%	3,141.3	0.43%
e680	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,272.2	0.44%
EPSRC Total		32,402	453,661.0	61.53%	474,104.9	64.30%	711,399.8	96.49%
n01	Consortia	7,483	39,088.7	5.30%	39,374.5	5.34%	149,013.7	20.21%
n02	Consortia	14,600	39,638.1	5.38%	39,675.7	5.38%	425,095.9	57.66%
n03	Consortia	1,869	32,048.5	4.35%	32,048.5	4.35%	108,739.7	14.75%
NERC Total		23,952	110,775.3	15.02%	111,098.7	15.07%	682,849.3	92.62%
e621	Class1a	27	4,176.1	0.57%	4,176.1	0.57%	3,812.8	0.52%
e568	Research	0	0.0	0.00%	0.0	0.00%	17.7	0.00%
BBSRC Total		27	4,176.1	0.57%	4,176.1	0.57%	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	2	252.7	0.03%	252.7	0.03%	775.4	0.11%
pr1u1652	DECI: EXEC	2	354.7	0.05%	354.7	0.05%	2,496.9	0.34%
pr1u1653	DECI: EXEC	44	7,871.1	1.07%	7,871.1	1.07%	2,598.7	0.35%
pr1u1654	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	531.8	0.07%
pr1u1655	DECI: EXEC	566	1,587.8	0.22%	1,587.8	0.22%	4,097.1	0.56%
pr1u1656	DECI: EXEC	1,164	1,705.4	0.23%	1,705.4	0.23%	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	408	1,972.7	0.27%	1,972.7	0.27%	1,530.7	0.21%
pr1u1751	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	52.3	0.01%
pr1u1752	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	62.2	0.01%
pr1u1753	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	73.9	0.01%
pr1u1754	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	85.5	0.01%
pr1u1755	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	55.9	0.01%
pr1u1756	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	131.9	0.02%
pr1u1757	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	29.6	0.00%
pr1u1758	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	23.1	0.00%
pr1u1759	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	49.7	0.01%
pr1u1760	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	18.6	0.00%
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	0	0.0	0.00%	0.0	0.00%	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	30	414.5	0.06%	414.5	0.06%	80.6	0.01%
pr1u1702	DECI: HOME	0	0.0	0.00%	0.0	0.00%	54.9	0.01%
pr1u1707	DECI: HOME	0	0.0	0.00%	0.0	0.00%	47.6	0.01%
pr1ush01	DECI: HOME	0	0.0	0.00%	0.0	0.00%	295.9	0.04%
pr1ushpc	DECI: HOME	0	0.0	0.00%	0.0	0.00%	24.1	0.00%
PRACE Total		2,216	14,158.9	1.92%	14,158.9	1.92%	19,964.3	2.71%
ecseaa20	eCSE	0	0.0	0.00%	0.0	0.00%	105.0	0.01%
ecseaa21	eCSE	0	0.0	0.00%	0.0	0.00%	66.3	0.01%
ecseaa26	eCSE	46	2.3	0.00%	2.3	0.00%	36.0	0.00%
ecseaa28	eCSE	16	17.2	0.00%	17.2	0.00%	77.6	0.01%
ecseab02	eCSE	0	0.0	0.00%	0.0	0.00%	48.0	0.01%
ecseab04	eCSE	0	0.0	0.00%	0.0	0.00%	51.2	0.01%
ecseab06	eCSE	6	0.9	0.00%	0.9	0.00%	16.4	0.00%
ecseab11	eCSE	62	8.0	0.00%	8.0	0.00%	18.4	0.00%
ecseab12	eCSE	0	0.0	0.00%	0.0	0.00%	61.0	0.01%
ecseab13	eCSE	31	0.1	0.00%	0.3	0.00%	47.9	0.01%
ecseac02	eCSE	0	0.0	0.00%	0.0	0.00%	16.5	0.00%
ecseac04	eCSE	0	0.0	0.00%	0.0	0.00%	6.5	0.00%
eCSE Total		161	28.5	0.00%	28.7	0.00%	550.8	0.07%
d35	Research	0	0.0	0.00%	0.0	0.00%	33.0	0.00%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
d56	Research	24	22.3	0.00%	22.3	0.00%	2,916.7	0.40%
d114	Research	0	0.0	0.00%	0.0	0.00%	3,296.7	0.45%
d118	Research	39	151.7	0.02%	151.7	0.02%	767.1	0.10%
d137	Research	100	53.8	0.01%	53.8	0.01%	1,631.9	0.22%
d142	Research	148	265.0	0.04%	265.0	0.04%	588.2	0.08%
d155	Research	52	172.8	0.02%	172.8	0.02%	8,734.2	1.18%
d170	Research	16	0.3	0.00%	0.3	0.00%	33.0	0.00%
d172	Research	0	0.0	0.00%	0.0	0.00%	164.8	0.02%
d175	Research	13	0.2	0.00%	0.2	0.00%	655.6	0.09%
d428	Research	0	0.0	0.00%	0.0	0.00%	69.0	0.01%
d429	Research	179	1,261.6	0.17%	1,261.6	0.17%	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%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	2,602.4	0.35%
i21	Industrial	136	123.1	0.02%	123.1	0.02%	329.7	0.04%
i236	Industrial	1	0.0	0.00%	0.0	0.00%	123.0	0.02%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	343.1	0.05%
x06	Industrial	0	0.0	0.00%	0.0	0.00%	1.1	0.00%
d174	Training	3,033	110.4	0.01%	110.4	0.01%	490.1	0.07%
ta029	Training	212	24.8	0.00%	24.8	0.00%	136.4	0.02%
y23	Service	8	0.5	0.00%	0.5	0.00%	329.7	0.04%
sc004	UoE Access	0	0.0	0.00%	0.0	0.00%	11.0	0.00%
DirectorsTime Total		3,961	2,186.5	0.30%	2,186.6	0.30%	26,267.1	3.56%
y02	Service	105	122.4	0.02%	122.4	0.02%	109.1	0.01%
y07	Service	131	8.9	0.00%	8.9	0.00%	164.4	0.02%
z01	Service	0	0.0	0.00%	0.0	0.00%	82.2	0.01%
z02	Service	4	0.7	0.00%	0.7	0.00%	656.4	0.09%
z19	Service	741	3,616.5	0.49%	3,616.5	0.49%	16,393.4	2.22%
CSE Total		981	3,748.4	0.51%	3,748.4	0.51%	17,405.5	2.36%
Total		63,700	588,734.9	79.85%	609,502.4	82.67%	1,462,267.3	198.33%

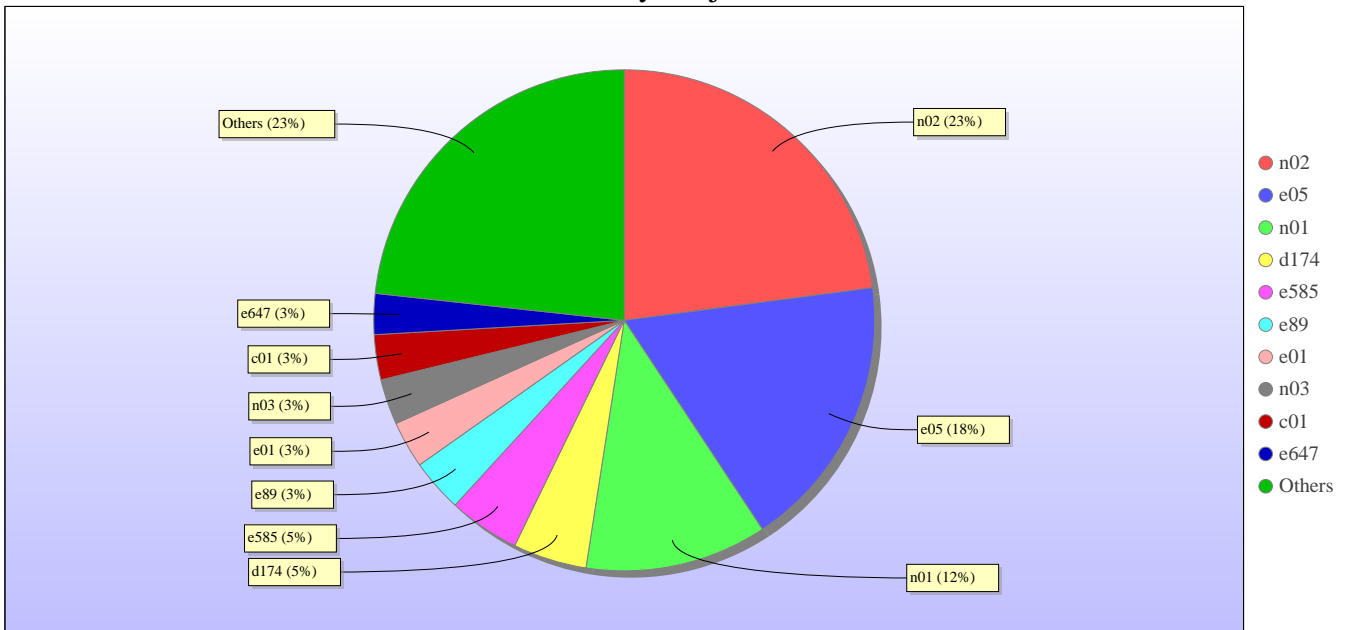
Use by Project



Uncharged Use by Project



Jobs by Project

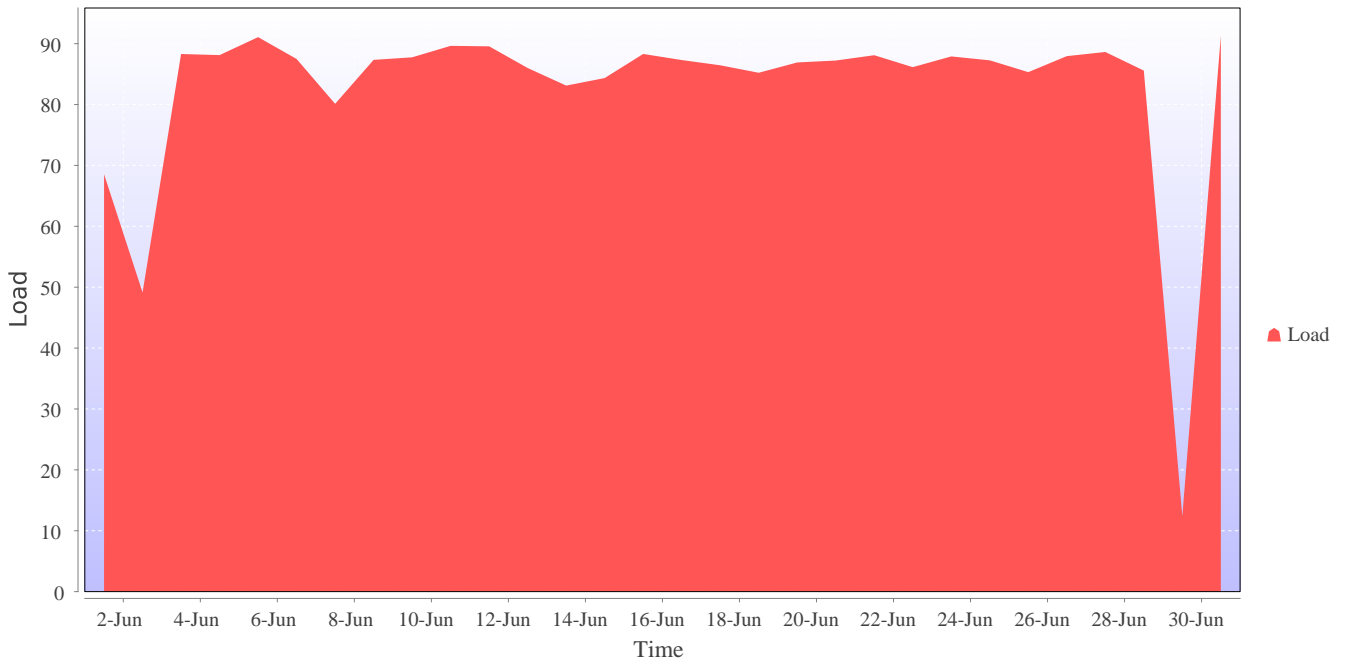


CUs (by Size)

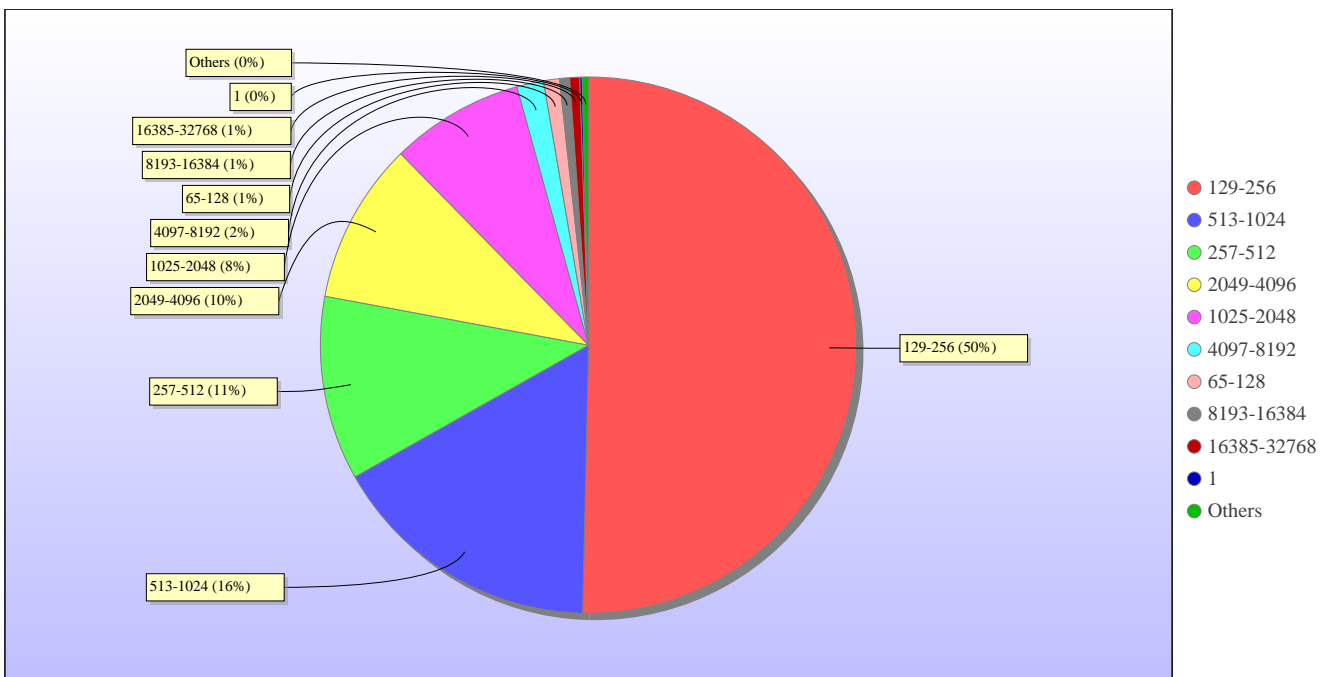
Size	CUs	Number of Jobs
1	0	89
2	0	2
3-4	0	16
5-8	0	14
9-16	0	17
17-32	0	82
33-64	0	36
65-128	0	609
129-256	67,632.381	32,073
257-512	41,331.89	7,069

Size	CUs	Number of Jobs
513-1024	80,340.235	10,496
1025-2048	73,556.187	5,121
2049-4096	79,740.691	6,198
4097-8192	141,159.385	1,030
8193-16384	63,797.696	388
16385-32768	37,156.576	386
32769-65536	1,497.933	61
65537-131072	2,521.958	13

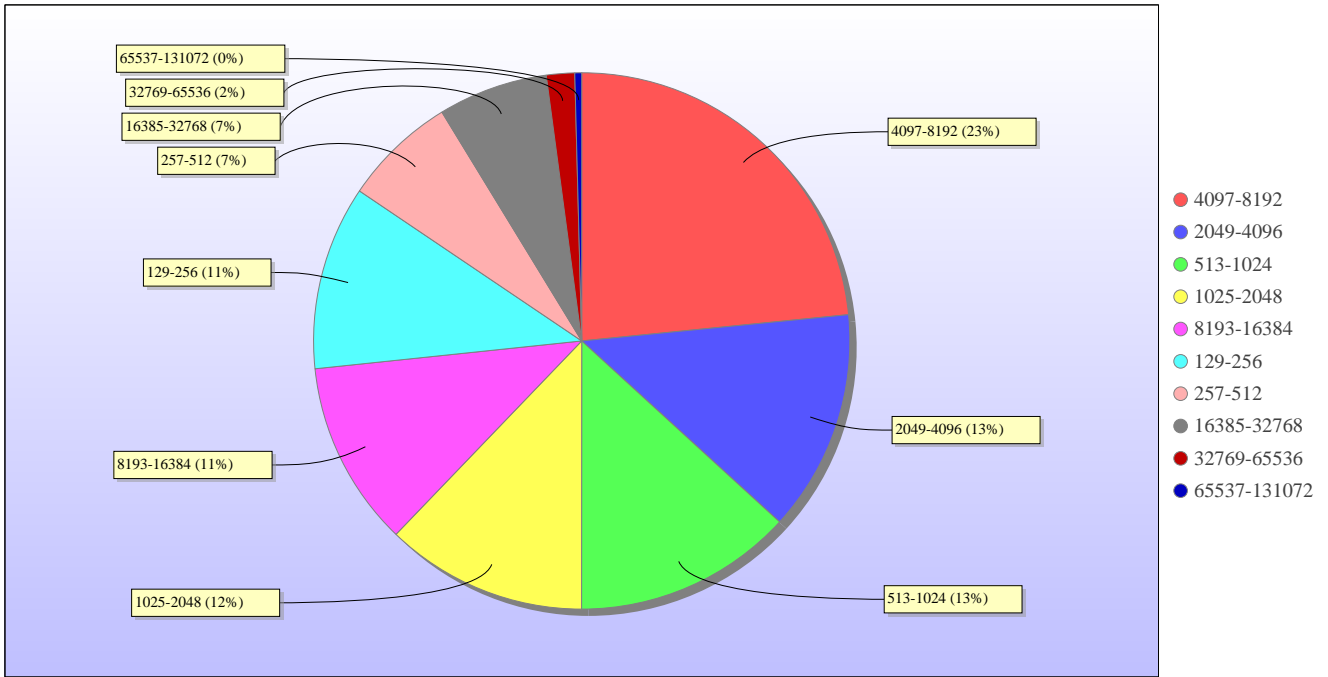
Load plots



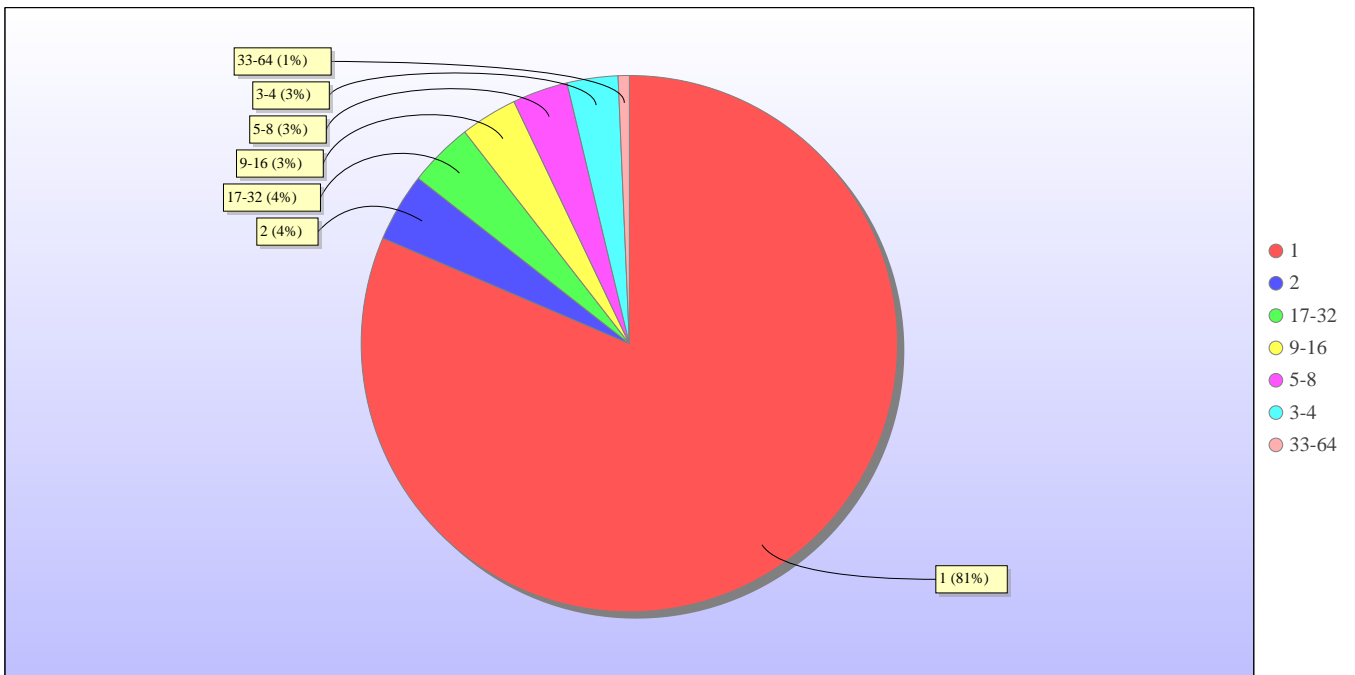
Percentage load on machine



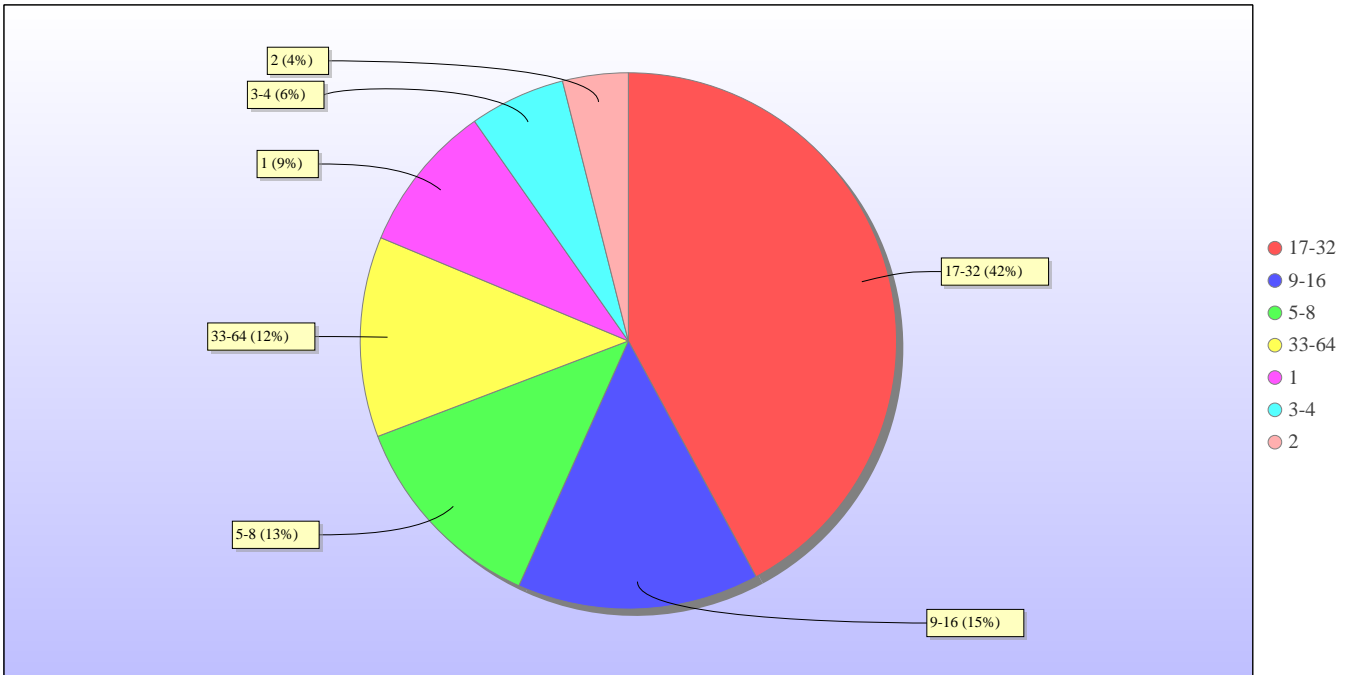
Jobs by Size



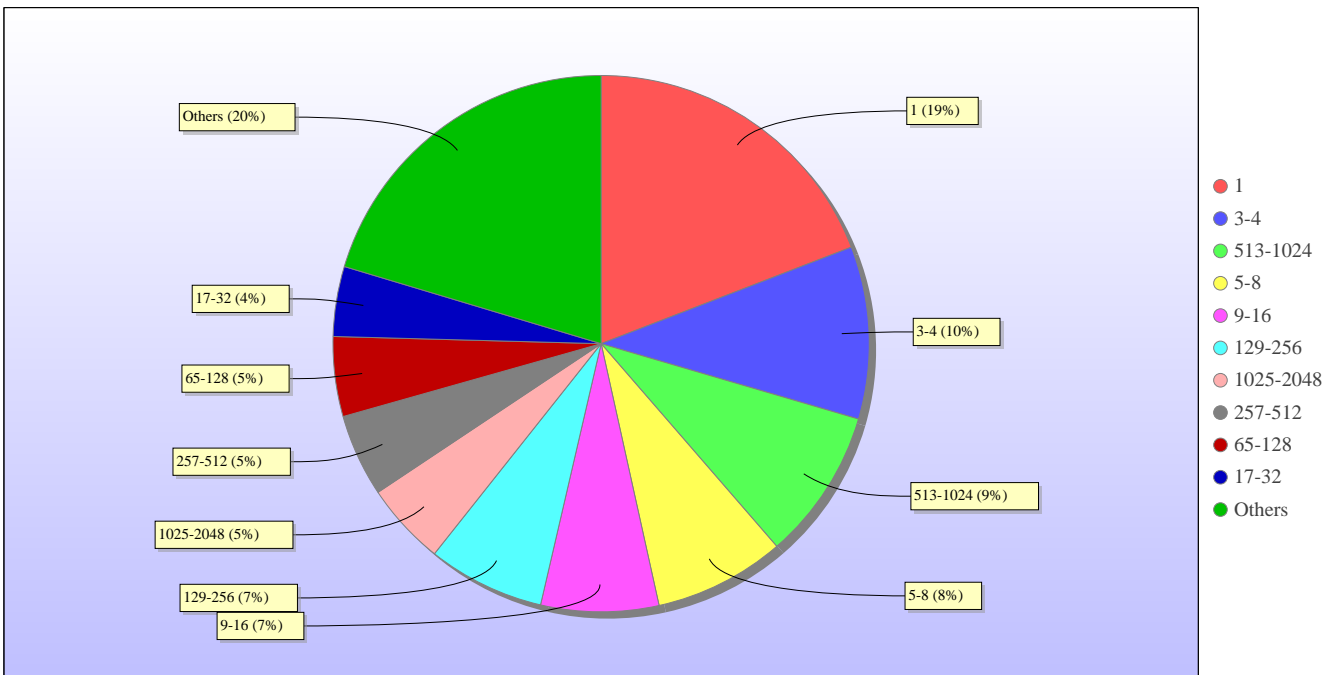
CUs used by Size



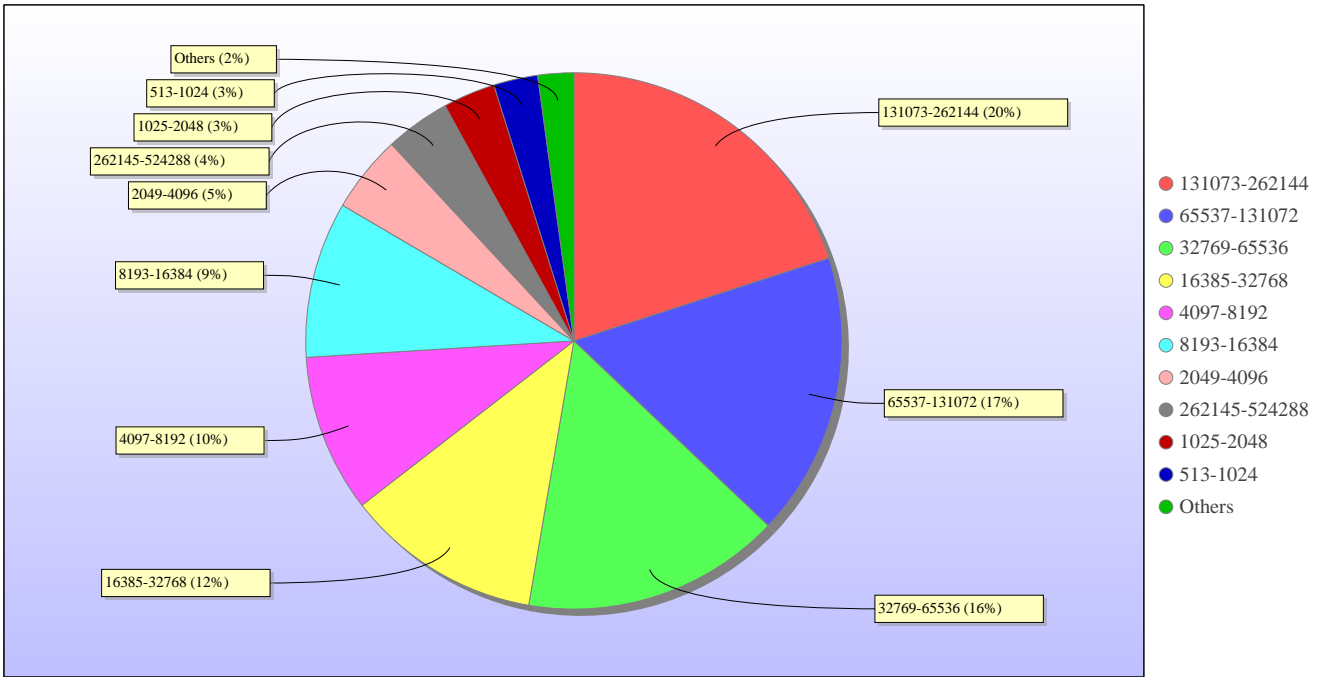
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

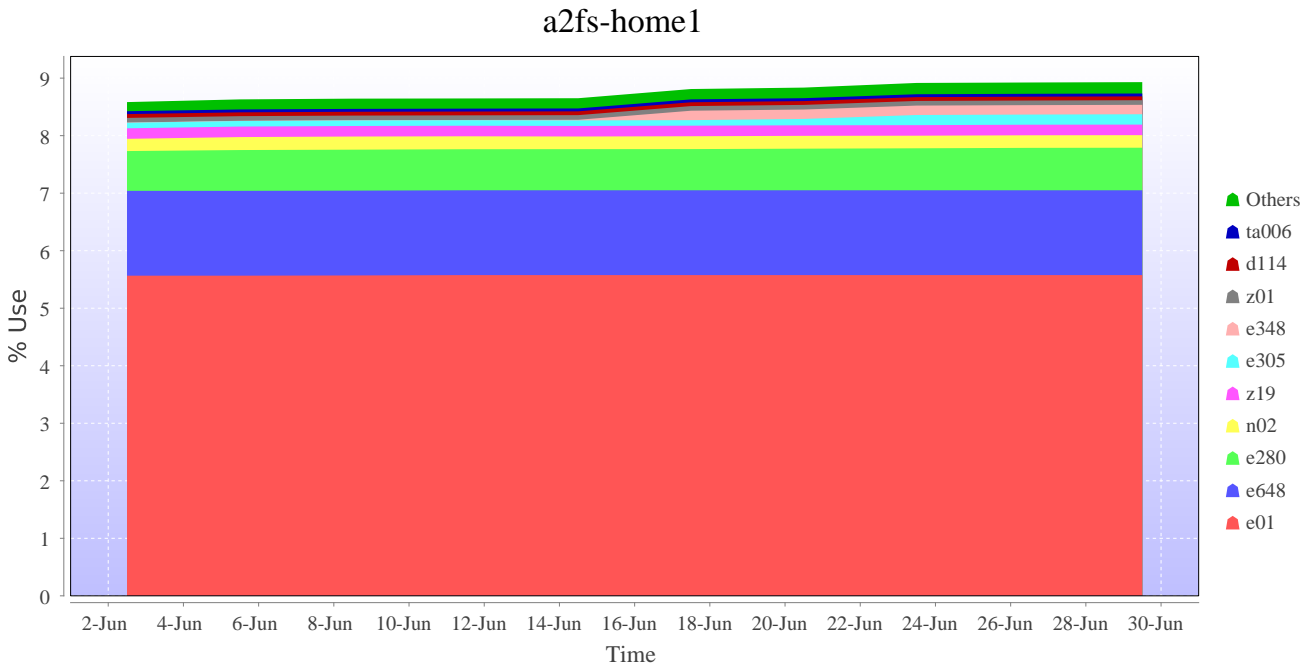


CUs used grouped by core-hours

Disk usage

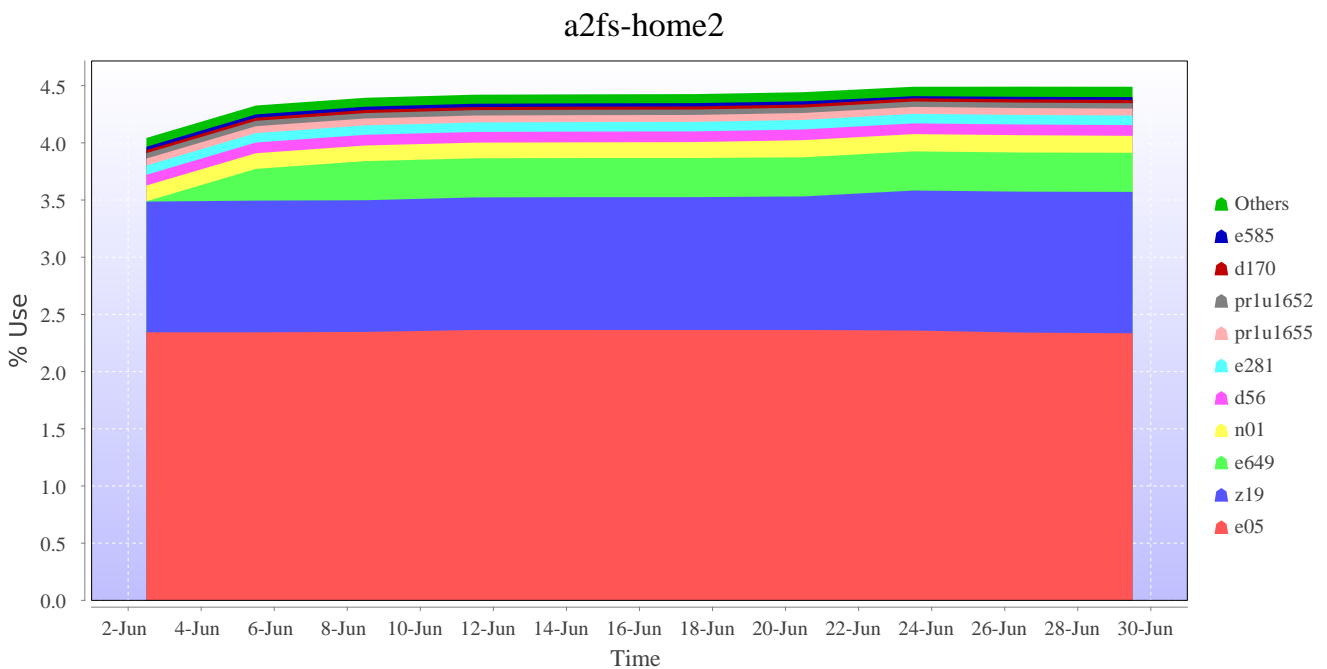
Disk usage for home (a2fs-home1)

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.



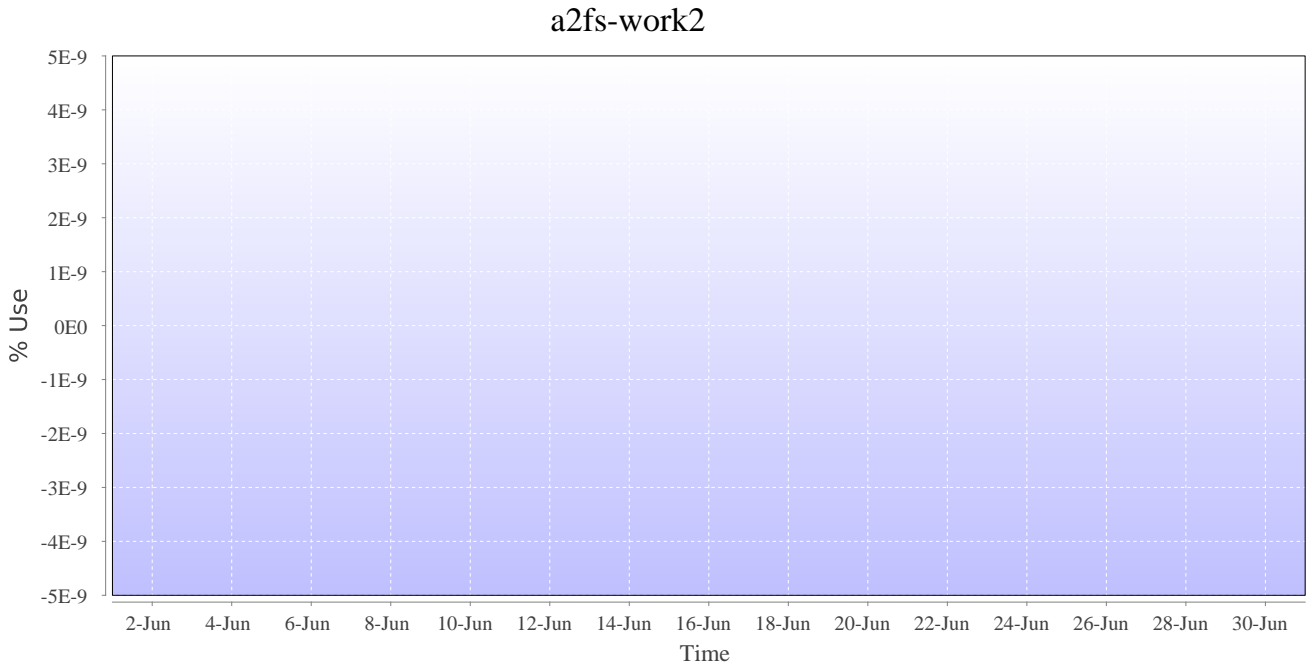
Disk usage for home (a2fs-home2)

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.



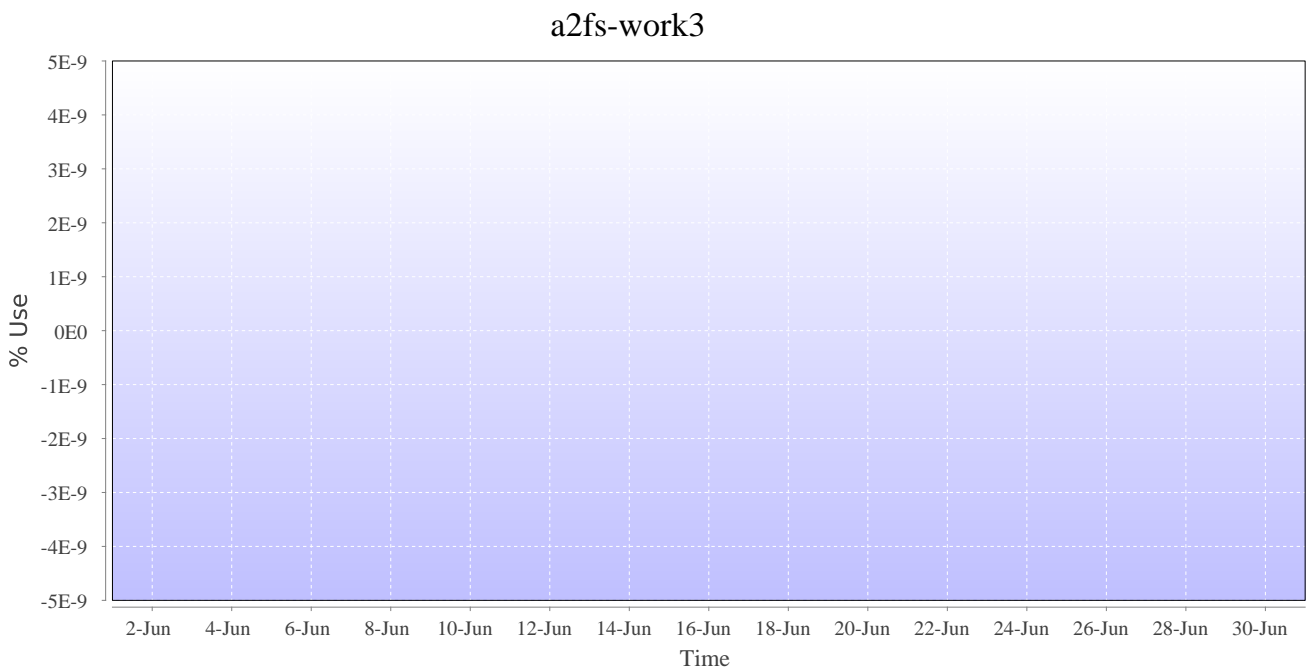
Disk usage for work (a2fs-work2)

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.



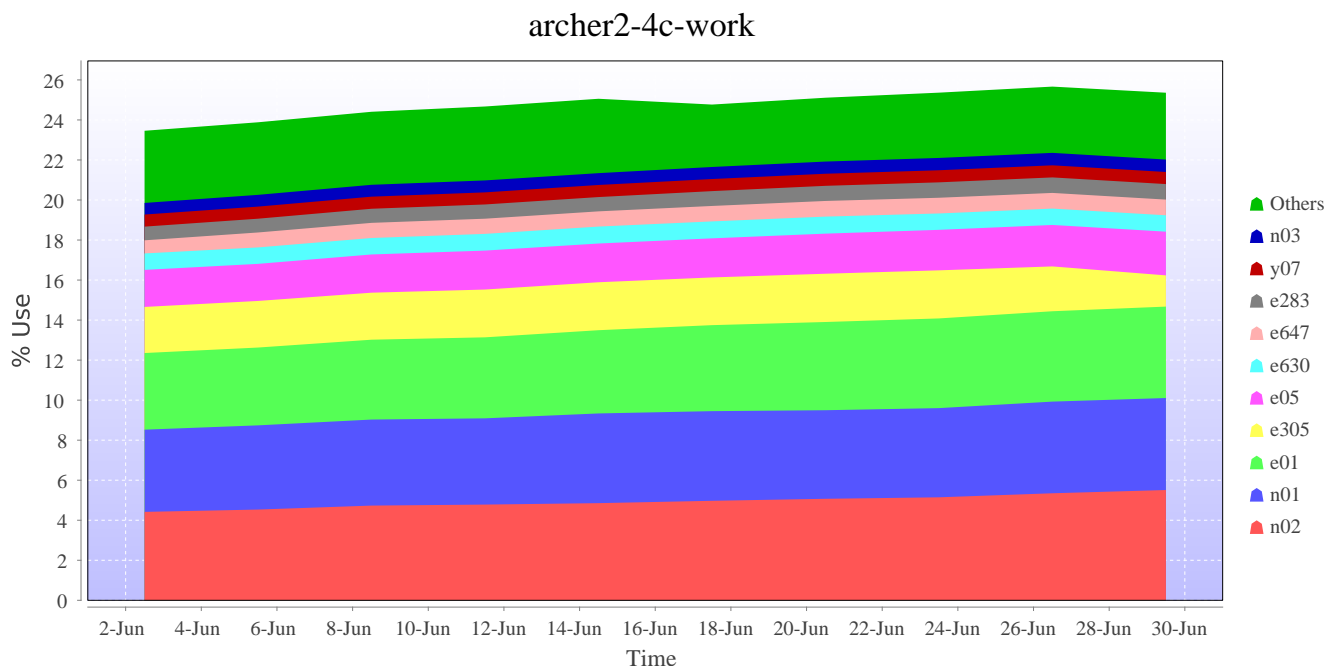
Disk usage for work (a2fs-work3)

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.

