

Monthly Reporting

Report from 01 April 2020 to 30 June 2020

Report for Resource Pool XC on All machines

A total of 3,868,300.773 kAU 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.

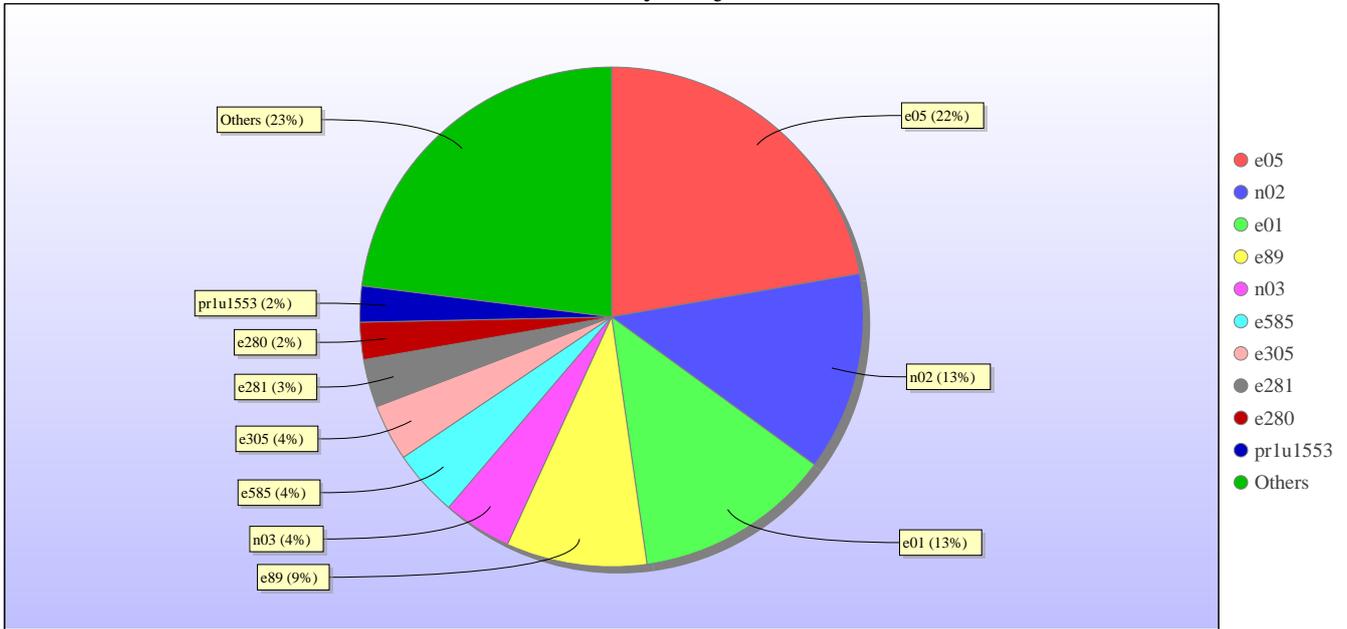
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
E635	Class1a	223	1,908.8	0.05%	1,908.8	0.05%	6,612.0	0.17%
c01	Class1a	2,531	22,811.3	0.59%	22,811.3	0.59%	39,142.5	1.01%
e432	Class1a	233	11,662.2	0.30%	11,662.2	0.30%	23,360.3	0.60%
e448	Class1a	3,053	55,486.9	1.43%	55,486.9	1.43%	74,286.5	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	236.7	0.01%
e519	Class1a	27	7,247.6	0.19%	8,659.1	0.22%	13,812.5	0.36%
e530	Class1a	63	3,395.5	0.09%	3,395.5	0.09%	3,316.8	0.09%
e537	Class1a	1,776	13,260.8	0.34%	13,260.8	0.34%	5,513.5	0.14%
e572	Class1a	1,698	10,416.5	0.27%	15,108.6	0.39%	9,509.4	0.25%
e575	Class1a	132	2,060.7	0.05%	2,060.7	0.05%	8,409.5	0.22%
e584	Class1a	6	0.0	0.00%	0.0	0.00%	4,022.7	0.10%
e588	Class1a	158	5,623.7	0.15%	5,623.7	0.15%	8,950.1	0.23%
e606	Class1a	718	31,080.1	0.80%	31,080.1	0.80%	24,698.2	0.64%
e607	Class1a	263	16,041.5	0.41%	16,041.6	0.41%	47,240.4	1.22%
e608	Class1a	169	9,673.0	0.25%	11,906.2	0.31%	9,946.1	0.26%
e609	Class1a	709	10,406.9	0.27%	10,406.9	0.27%	35,306.0	0.91%
e610	Class1a	96	13,127.9	0.34%	13,129.2	0.34%	19,229.1	0.50%
e613	Class1a	75	2,103.9	0.05%	2,103.9	0.05%	1,989.4	0.05%
e627	Class1a	416	9,013.8	0.23%	9,224.2	0.24%	21,997.5	0.57%
e630	Class1a	300	39,746.6	1.03%	48,415.1	1.25%	37,644.7	0.97%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	7,459.7	0.19%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	21,764.0	0.56%
e643	Class1a	98	12,412.9	0.32%	12,412.9	0.32%	21,504.9	0.56%
e645	Class1a	90	1,991.4	0.05%	1,991.4	0.05%	11,972.7	0.31%
e647	Class1a	1,327	1,834.3	0.05%	1,946.0	0.05%	15,756.2	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	14,403.3	0.37%
e649	Class1a	39	5,955.8	0.15%	5,955.8	0.15%	11,338.8	0.29%
e651	Class1a	237	3,436.5	0.09%	3,436.5	0.09%	6,049.4	0.16%
e655	Class1a	255	1,206.0	0.03%	1,206.0	0.03%	1,588.9	0.04%
e663	Class1a	0	0.0	0.00%	0.0	0.00%	1,584.3	0.04%
e01	Consortia	4,028	307,043.4	7.94%	357,656.4	9.25%	213,964.0	5.53%
e05	Consortia	24,690	396,485.3	10.25%	627,278.1	16.22%	686,862.7	17.76%
e89	Consortia	11,487	246,927.0	6.38%	254,950.9	6.59%	350,247.3	9.05%
e280	Consortia	1,490	63,061.7	1.63%	67,860.7	1.75%	155,476.4	4.02%
e281	Consortia	1,117	81,988.7	2.12%	87,518.0	2.26%	66,365.6	1.72%
e283	Consortia	3,676	62,935.0	1.63%	63,160.3	1.63%	55,548.6	1.44%
e305	Consortia	1,902	100,530.3	2.60%	103,041.7	2.66%	120,553.1	3.12%
e585	Consortia	760	77,643.6	2.01%	121,186.3	3.13%	87,021.9	2.25%
e658	Consortia	10,305	42,966.2	1.11%	42,966.2	1.11%	84,277.8	2.18%
e348	Direct Access: ARCHER RAP	428	9,601.4	0.25%	9,601.4	0.25%	20,099.1	0.52%

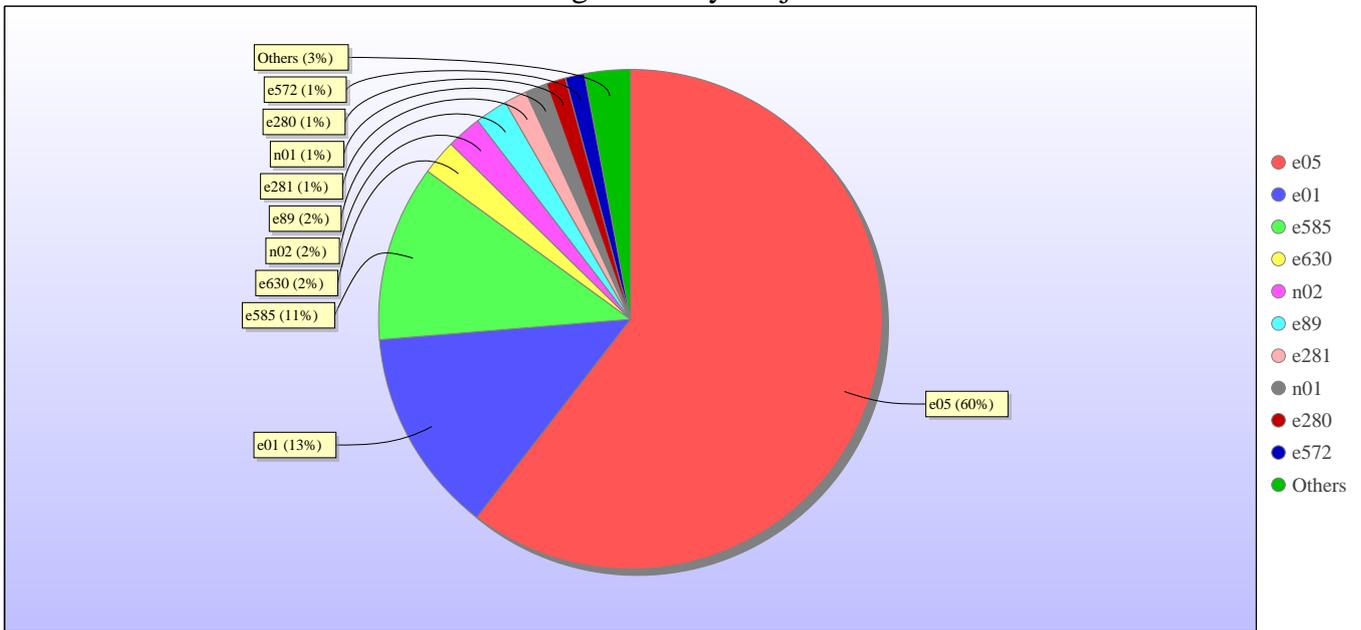
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e664	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	903.8	0.02%
e632	Instant Access	3,604	4,093.0	0.11%	4,131.1	0.11%	2,744.4	0.07%
e650	Instant Access	6	278.2	0.01%	530.9	0.01%	398.6	0.01%
e652	Instant Access	9	910.6	0.02%	1,536.3	0.04%	323.2	0.01%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	400.1	0.01%
e656	Instant Access	0	0.0	0.00%	0.0	0.00%	600.1	0.02%
e657	Instant Access	203	761.3	0.02%	761.3	0.02%	589.8	0.02%
e659	Instant Access	3	0.0	0.00%	0.0	0.00%	444.1	0.01%
e660	Instant Access	54	1,282.3	0.03%	1,286.6	0.03%	371.7	0.01%
e661	Instant Access	358	75.3	0.00%	75.3	0.00%	228.2	0.01%
e662	Instant Access	39	1,224.4	0.03%	1,224.4	0.03%	196.7	0.01%
e665	Instant Access	19	0.0	0.00%	0.0	0.00%	59.0	0.00%
e612	Training	10,436	2,477.4	0.06%	2,615.2	0.07%	1,852.0	0.05%
e631	Training	4	1,245.9	0.03%	1,245.9	0.03%	5,960.7	0.15%
e644	Training	399	1,561.9	0.04%	1,561.9	0.04%	6,712.5	0.17%
e654	Training	635	3,691.7	0.10%	4,710.1	0.12%	8,149.3	0.21%
tc011	Training	126	97.2	0.00%	64.8	0.00%	20.8	0.00%
EPSRC Total		90,470	1,698,786.2	43.92%	2,064,197.0	53.36%	2,379,017.8	61.50%
n01	Consortia	5,664	59,158.6	1.53%	62,254.0	1.61%	378,038.4	9.77%
n02	Consortia	27,086	354,417.8	9.16%	362,073.5	9.36%	528,280.9	13.66%
n03	Consortia	4,365	123,517.3	3.19%	124,537.4	3.22%	243,280.0	6.29%
NERC Total		37,115	537,093.6	13.88%	548,864.9	14.19%	1,149,599.2	29.72%
e621	Leadership Awards	234	14,677.5	0.38%	14,677.5	0.38%	19,257.0	0.50%
e568	Research	284	5,256.2	0.14%	5,277.9	0.14%	11,366.2	0.29%
BBSRC Total		518	19,933.7	0.52%	19,955.3	0.52%	30,623.2	0.79%
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	8.3	0.00%
pr1u1551	DECI: EXEC	318	55,246.8	1.43%	55,246.8	1.43%	22,226.2	0.57%
pr1u1552	DECI: EXEC	146	5,070.2	0.13%	5,070.2	0.13%	8,747.1	0.23%
pr1u1553	DECI: EXEC	700	65,620.0	1.70%	65,620.0	1.70%	29,391.2	0.76%
pr1u1554	DECI: EXEC	392	595.7	0.02%	946.5	0.02%	1,734.8	0.04%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1503	DECI: HOME	68	805.2	0.02%	869.1	0.02%	1,609.1	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.2	0.00%
pr1u1506	DECI: HOME	0	0.0	0.00%	0.0	0.00%	4,769.4	0.12%
pr1u1507	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%	0.0	0.00%
pr1u1602	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1603	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1604	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1605	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1606	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1607	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1608	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1609	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1610	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
pr1u1611	DECI: HOME	0	0.0	0.00%	0.0	0.00%	86.1	0.00%
PRACE Total		1,624	127,337.9	3.29%	127,752.6	3.30%	68,573.6	1.77%
d43	ECDF	24	287.3	0.01%	287.3	0.01%	600.1	0.02%
d35	Research	13	0.2	0.00%	0.2	0.00%	331.4	0.01%
d56	Research	2,405	18,374.5	0.48%	18,677.6	0.48%	19,930.0	0.52%
d88	Research	0	0.0	0.00%	0.0	0.00%	1.7	0.00%
d114	Research	2,423	21,071.3	0.54%	21,261.5	0.55%	42,084.4	1.09%
d118	Research	1,114	1,209.2	0.03%	1,209.2	0.03%	1,328.7	0.03%
d137	Research	2,442	3,444.5	0.09%	3,444.5	0.09%	8,617.4	0.22%
d142	Research	265	2,089.0	0.05%	2,100.9	0.05%	2,159.1	0.06%
d143	Research	117	3,671.1	0.09%	3,671.1	0.09%	3,729.5	0.10%
d150	Research	0	0.0	0.00%	0.0	0.00%	4,251.0	0.11%
d155	Research	91	1,792.5	0.05%	1,792.5	0.05%	8,304.2	0.21%
d170	Research	68	0.0	0.00%	0.0	0.00%	2.5	0.00%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d428	Research	86	1,649.0	0.04%	1,694.4	0.04%	1,376.5	0.04%
W22	Industrial	0	0.0	0.00%	0.0	0.00%	262.2	0.01%
d153	Industrial	39	44.5	0.00%	44.6	0.00%	664.3	0.02%
i01	Industrial	14	2,294.4	0.06%	2,294.4	0.06%	1,826.9	0.05%
i18	Industrial	1	4.3	0.00%	4.3	0.00%	4,501.0	0.12%
i21	Industrial	37	1,510.2	0.04%	1,089.0	0.03%	49,726.8	1.29%
i236	Industrial	2	0.0	0.00%	0.0	0.00%	217.0	0.01%
w21	Industrial	3	378.5	0.01%	757.1	0.02%	458.9	0.01%
w24	Industrial	0	0.0	0.00%	0.0	0.00%	245.8	0.01%
x08	Industrial	64	457.2	0.01%	457.2	0.01%	5,001.1	0.13%
d171	Training	976	272.0	0.01%	272.0	0.01%	3,321.7	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	5.0	0.00%
z99	Service	65	0.4	0.00%	0.4	0.00%	5.0	0.00%
DirectorsTime Total		10,249	58,550.2	1.51%	59,058.3	1.53%	158,952.3	4.11%
y14	Training	216	2.5	0.00%	2.5	0.00%	497.3	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	50.0	0.00%
y02	Service	7	0.1	0.00%	0.1	0.00%	250.1	0.01%
y07	Service	3	0.0	0.00%	0.0	0.00%	186.5	0.00%
z01	Service	37	0.0	0.00%	0.0	0.00%	24.9	0.00%
z02	Service	3	0.0	0.00%	0.0	0.00%	12.4	0.00%
z19	Service	1,083	960.9	0.02%	967.3	0.03%	7,121.0	0.18%
CSE Total		1,349	963.6	0.02%	969.9	0.03%	8,142.1	0.21%
Total		141,325	2,442,665.2	63.15%	2,820,798.0	72.92%	3,794,908.2	98.10%

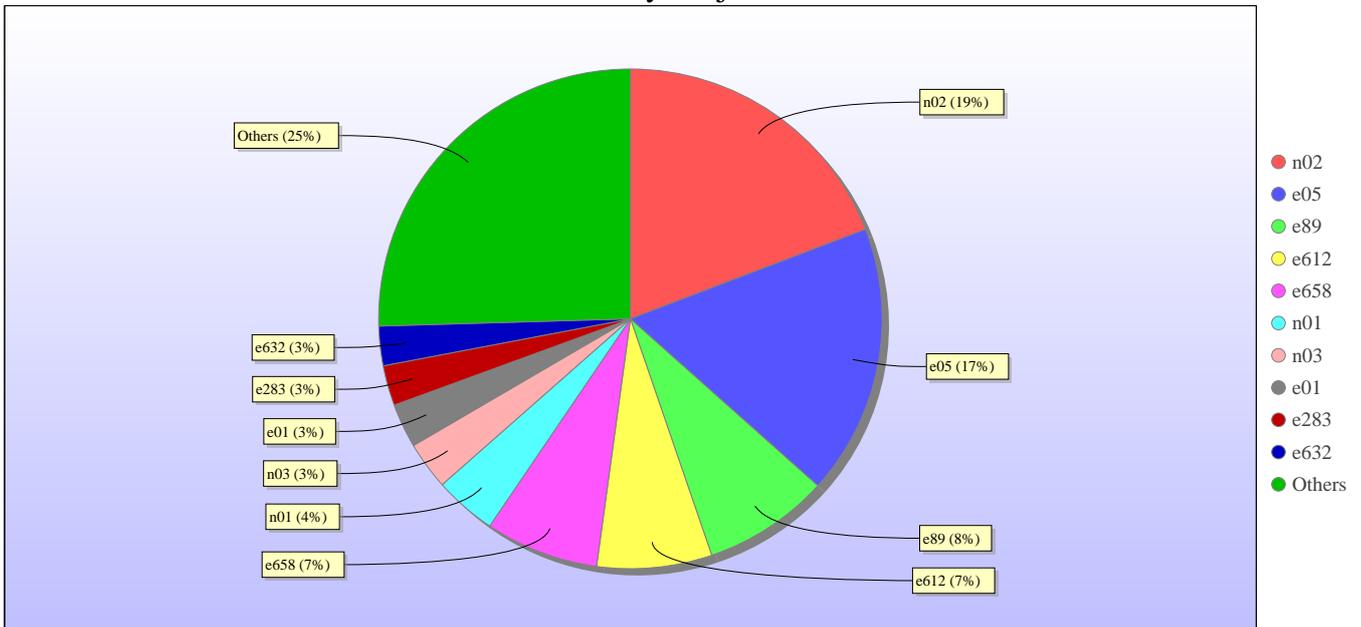
Use by Project



Uncharged Use by Project



Jobs by Project

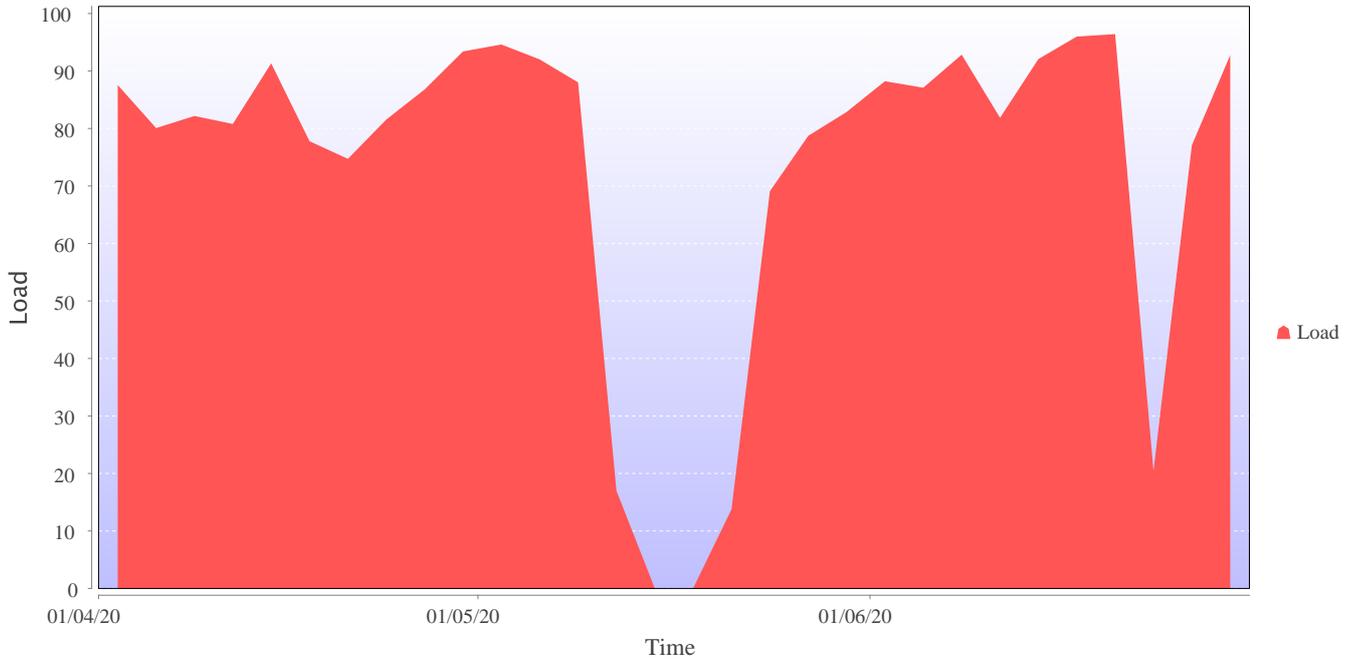


kAUs (by Size)

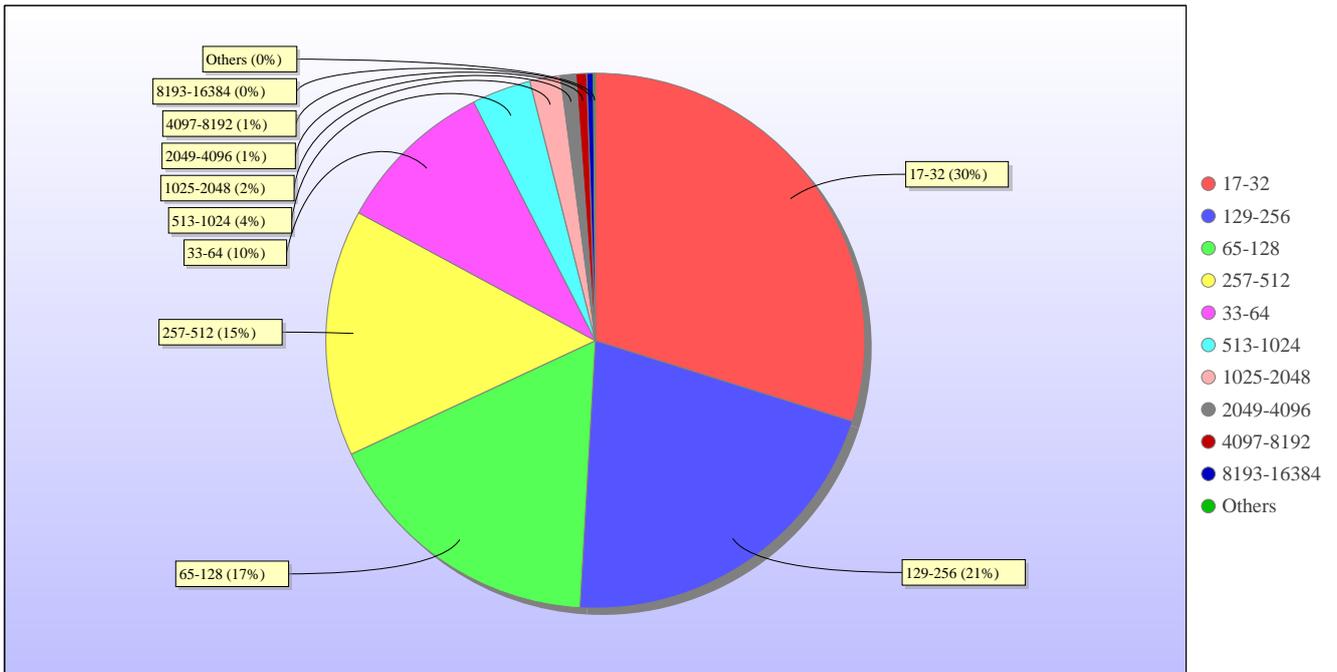
Size	kAUs	Number of Jobs
17-32	18,826.172	42,212
33-64	50,279.551	13,576
65-128	131,840.372	24,190
129-256	393,088.091	39,724
257-512	489,962.791	21,066
513-1024	317,506.279	5,016
1025-2048	276,085.557	2,587
2049-4096	189,338.558	1,312
4097-8192	180,048.548	902
8193-16384	128,242.379	558
16385-32768	215,673.852	131

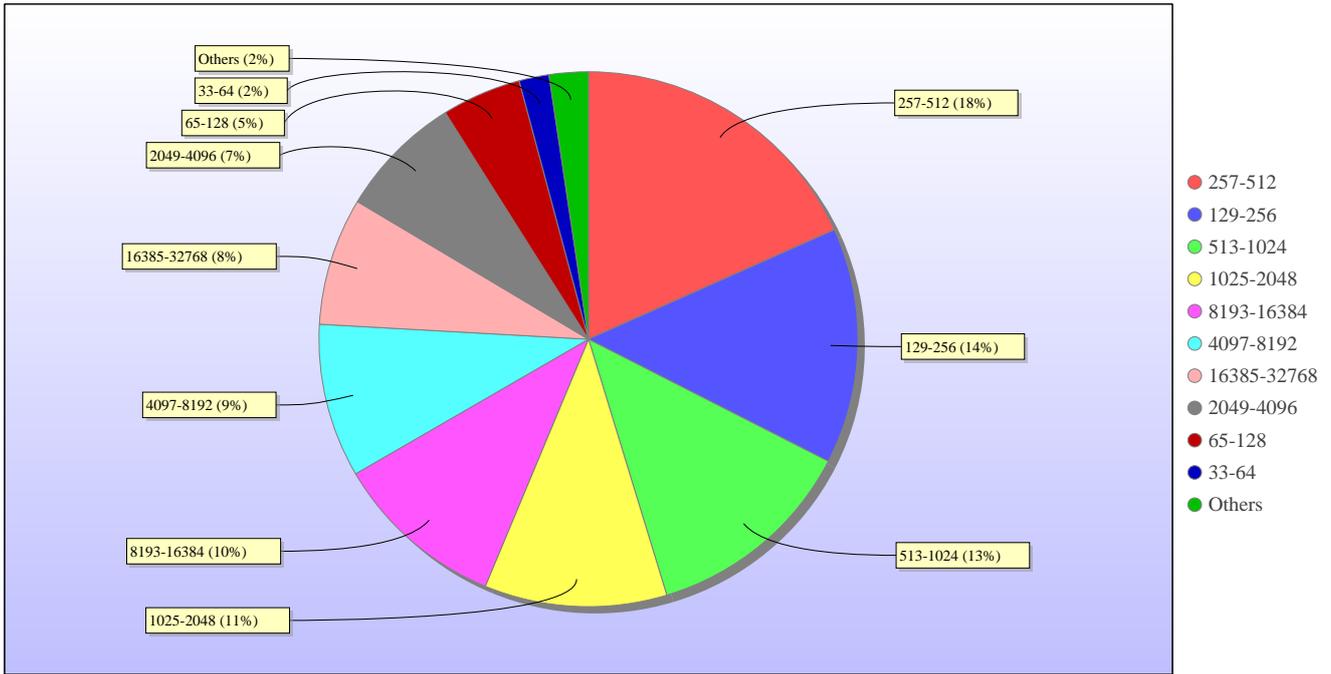
Size	kAUs	Number of Jobs
32769-65536	16,314.895	23
65537-131072	24,306.074	7

Load plots

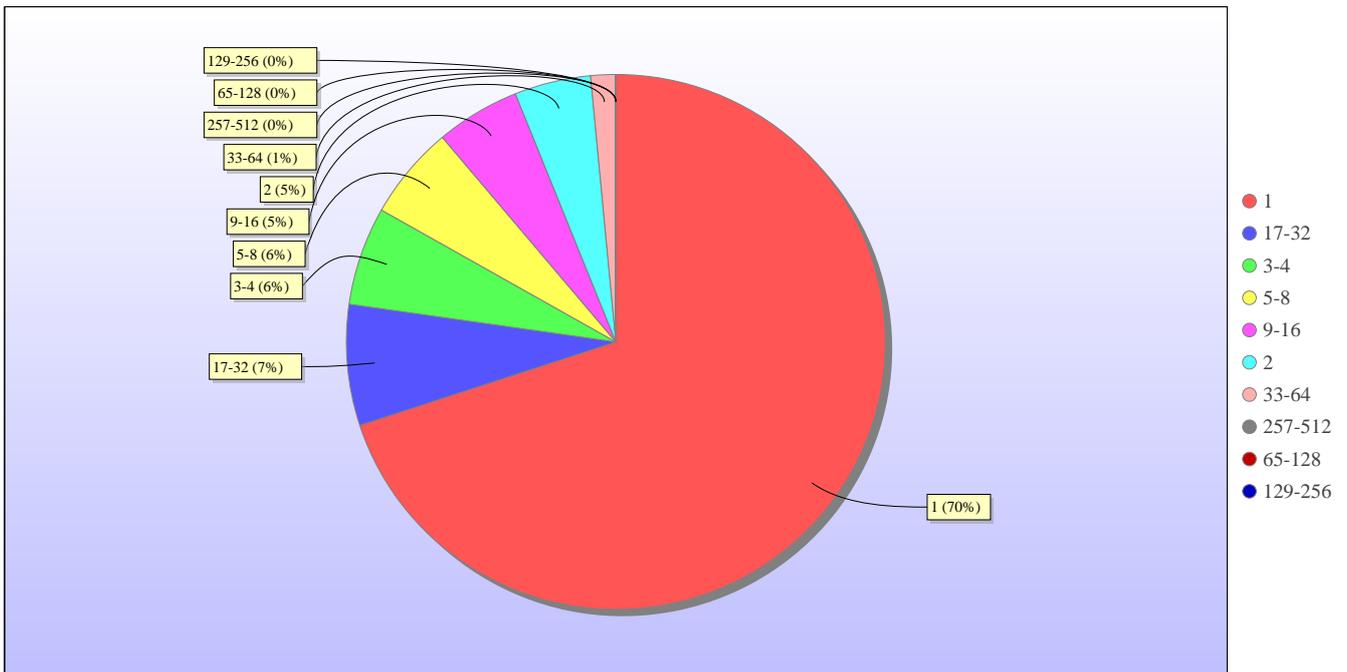


Percentage load on machine

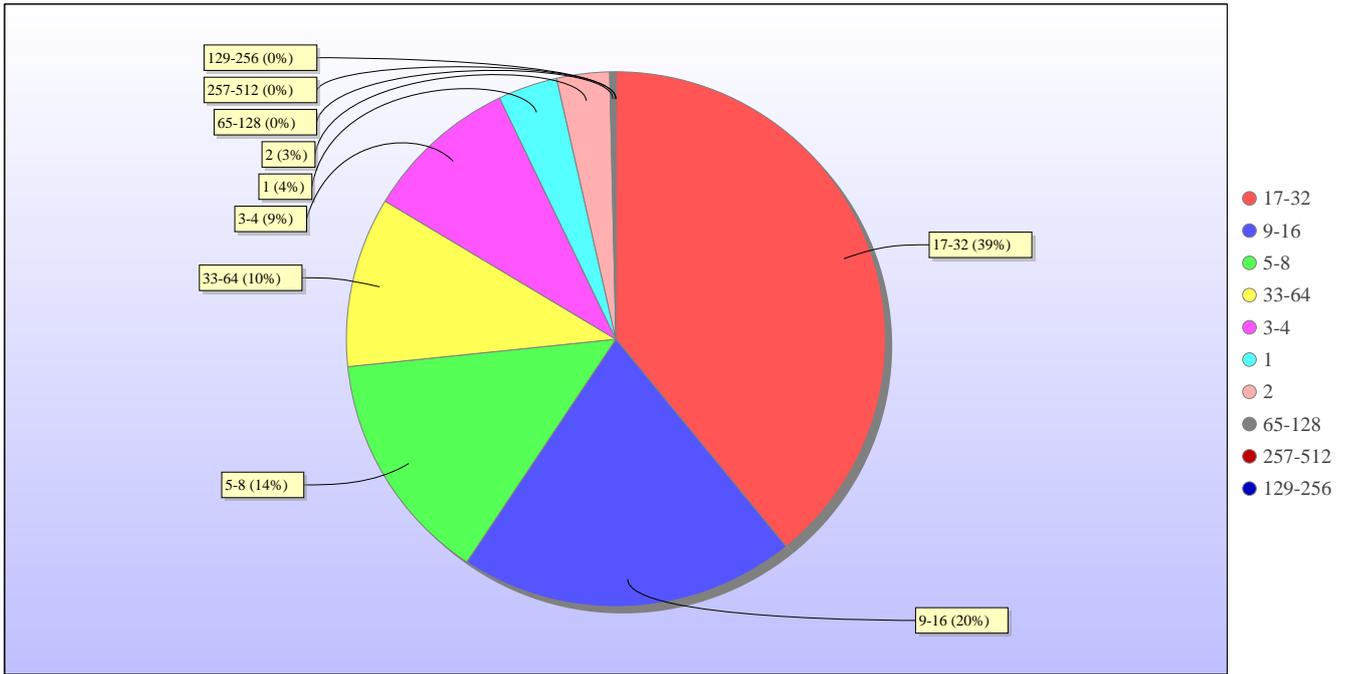




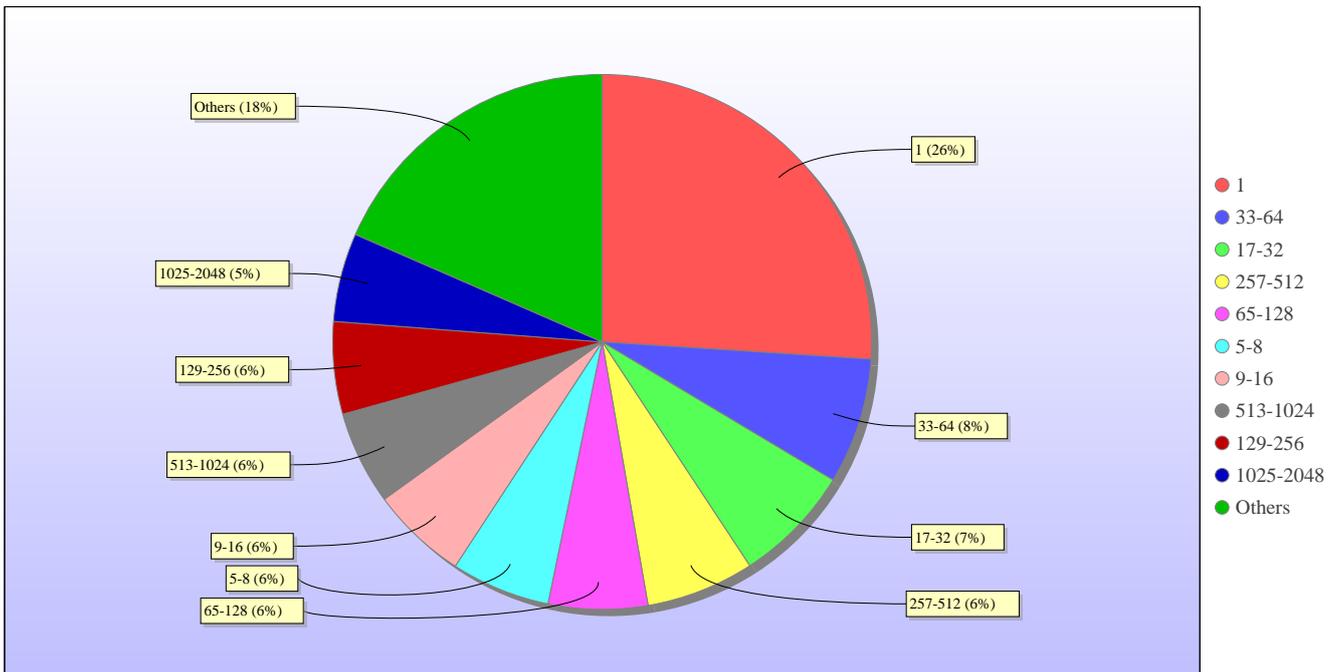
kAUs used by Size



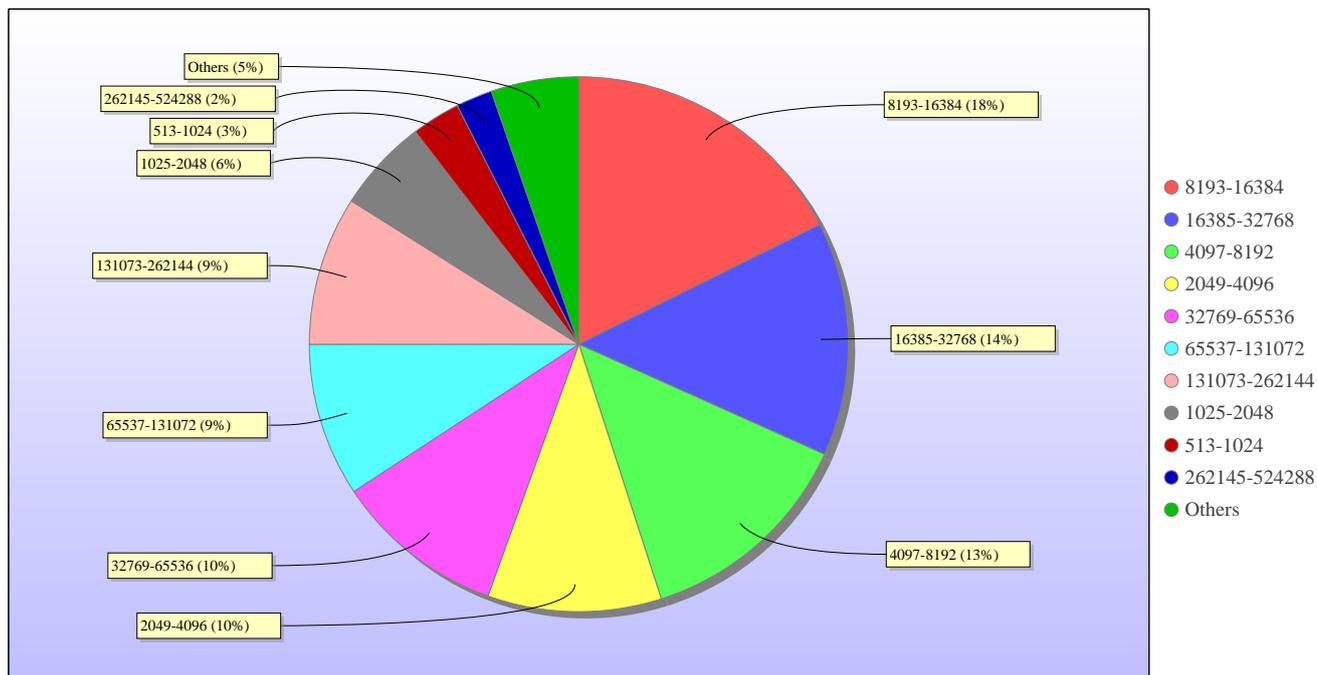
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool RDF on All machines

A total of 0 kAU 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.

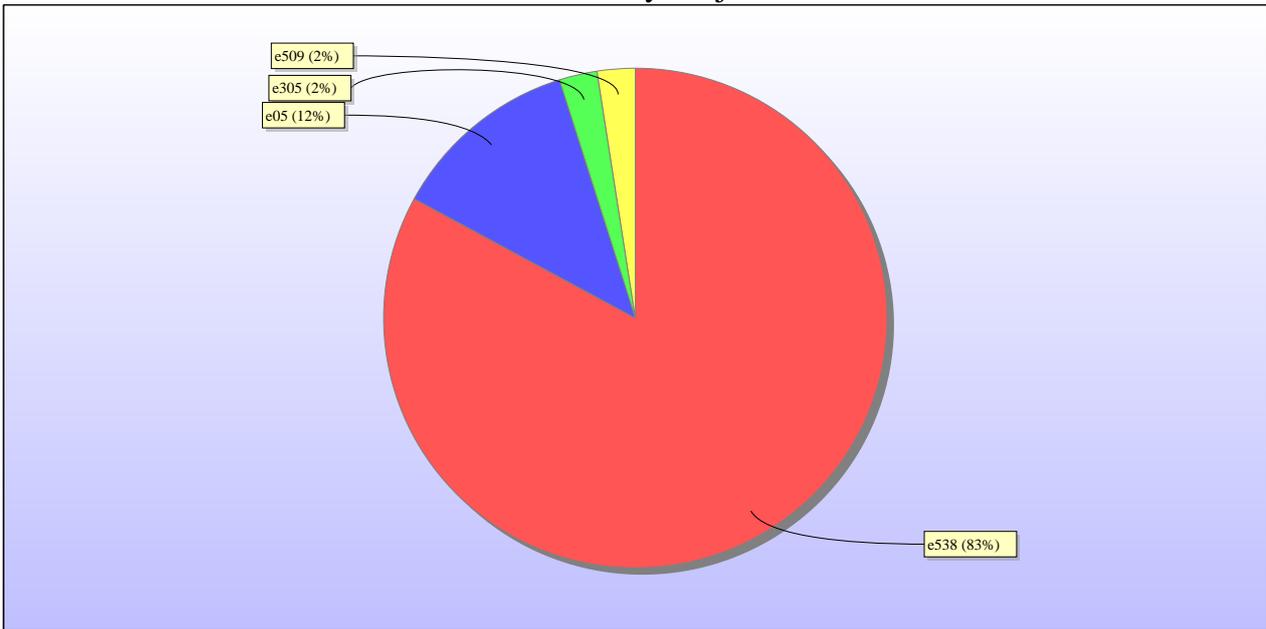
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e509	Leadership Awards	1	0.0		0.0		0.0	
e05	Consortia	5	0.0		0.0		0.0	
e305	Consortia	1	0.0		0.0		0.0	
e538	Training	34	0.0		0.0		0.0	
EPSRC Total		41	0.0		0.0		0.0	
Total		41	0.0	0	0.0	0	0.0	0

Use by Project



- e509
- e05
- e538
- e305

Jobs by Project

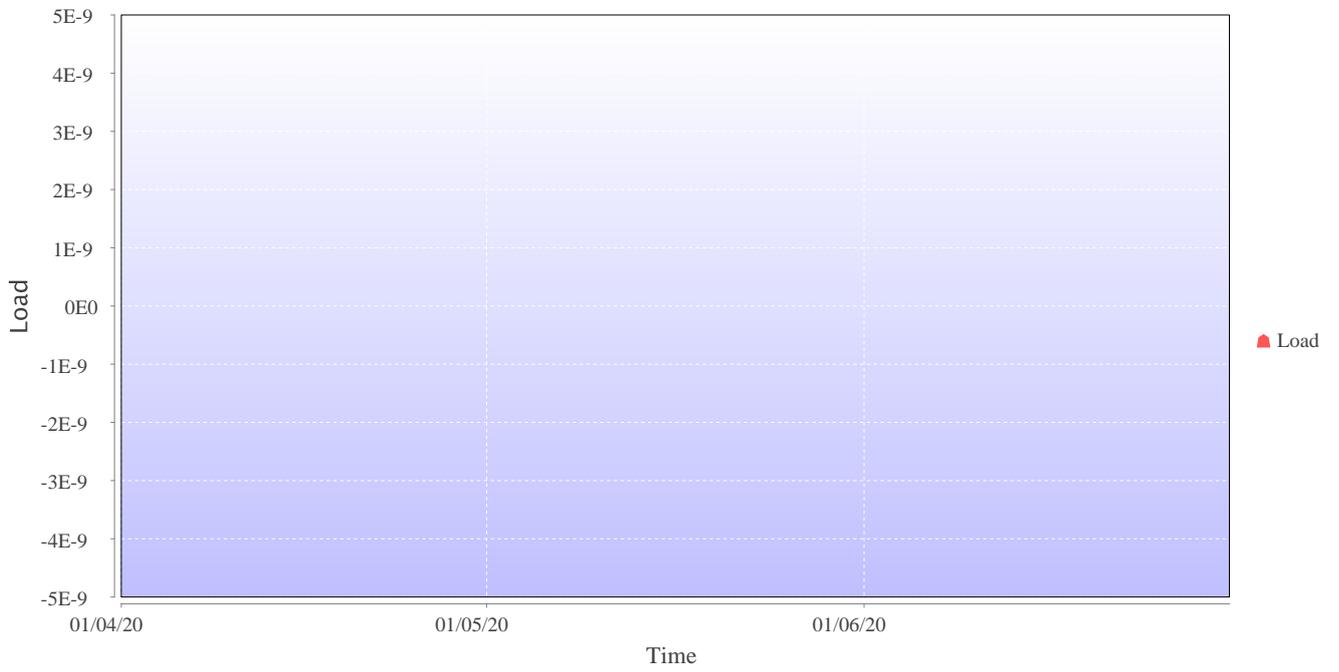


- e538
- e05
- e305
- e509

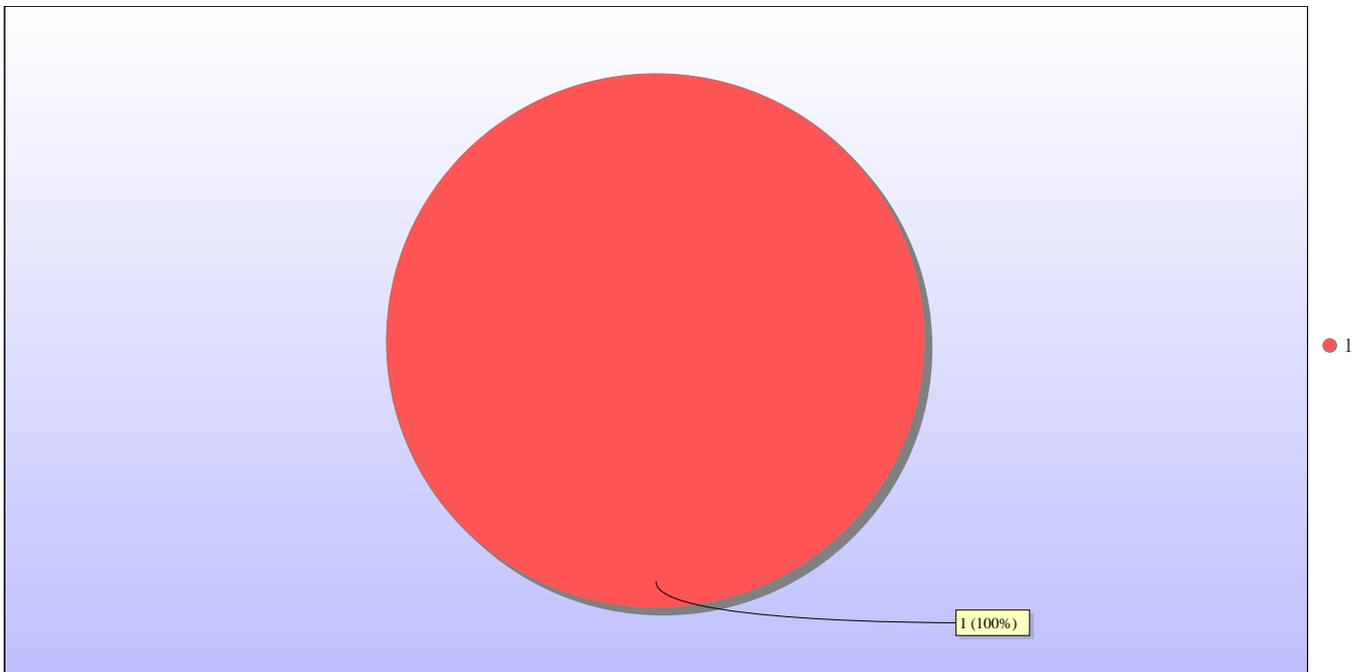
kAUs (by Size)

Size	kAUs	Number of Jobs
1	0	41

Load plots



Percentage load on machine

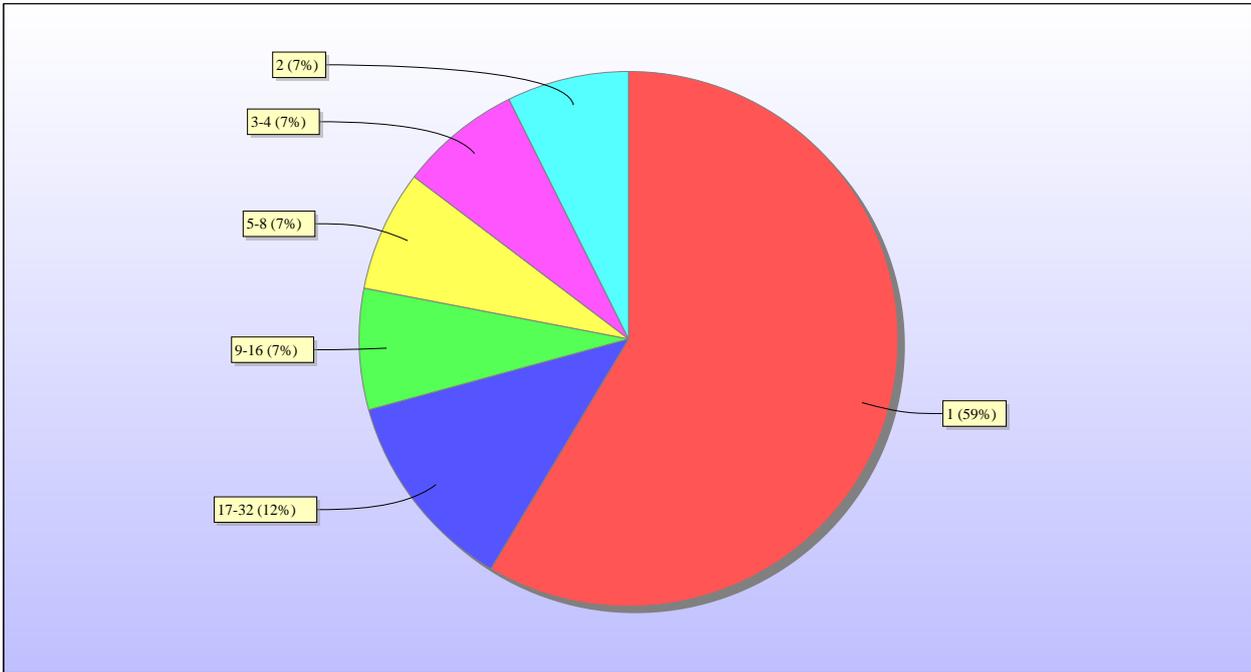


Jobs by Size



1

kAUs used by Size

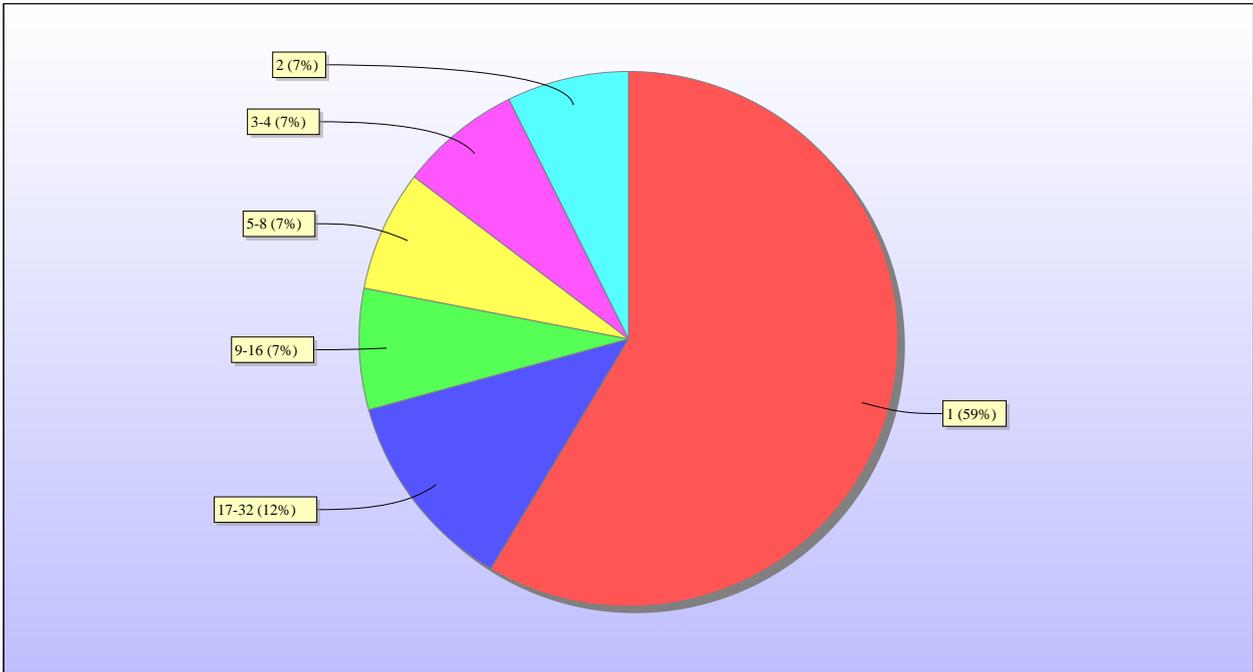


Jobs grouped by wall-clock-hours



- 1
- 2
- 3-4
- 5-8
- 9-16
- 17-32

kAUs used grouped by wall-clock-hours



- 1
- 17-32
- 9-16
- 5-8
- 3-4
- 2

Jobs grouped by core-hours



kAUs used grouped by core-hours

Report for Resource Pool Bede on All machines

A total of 0 kAU were available during this period.

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Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation	Project	Project Class
0	0.0	0	0.0	0	0.0	0	Total	

kAUs (by Size)

Load plots

Report for Resource Pool KNL on All machines

A total of 0 kAU were available during this period.

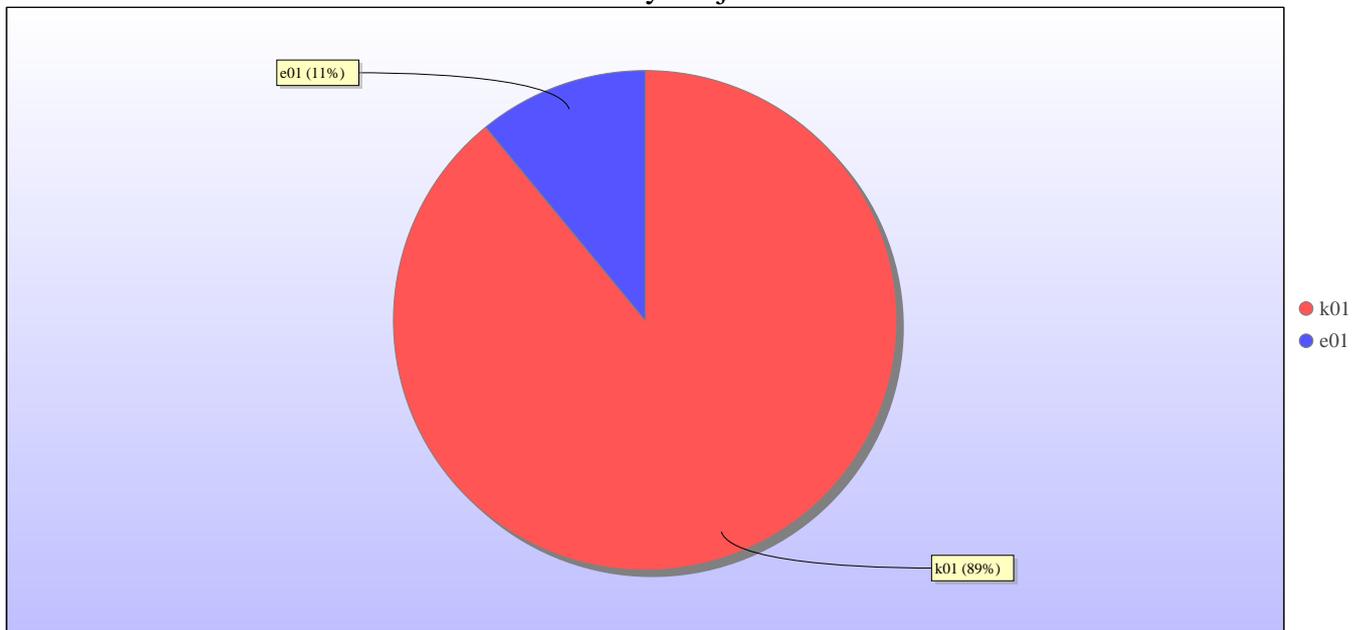
Use and Allocations (by Project)

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.

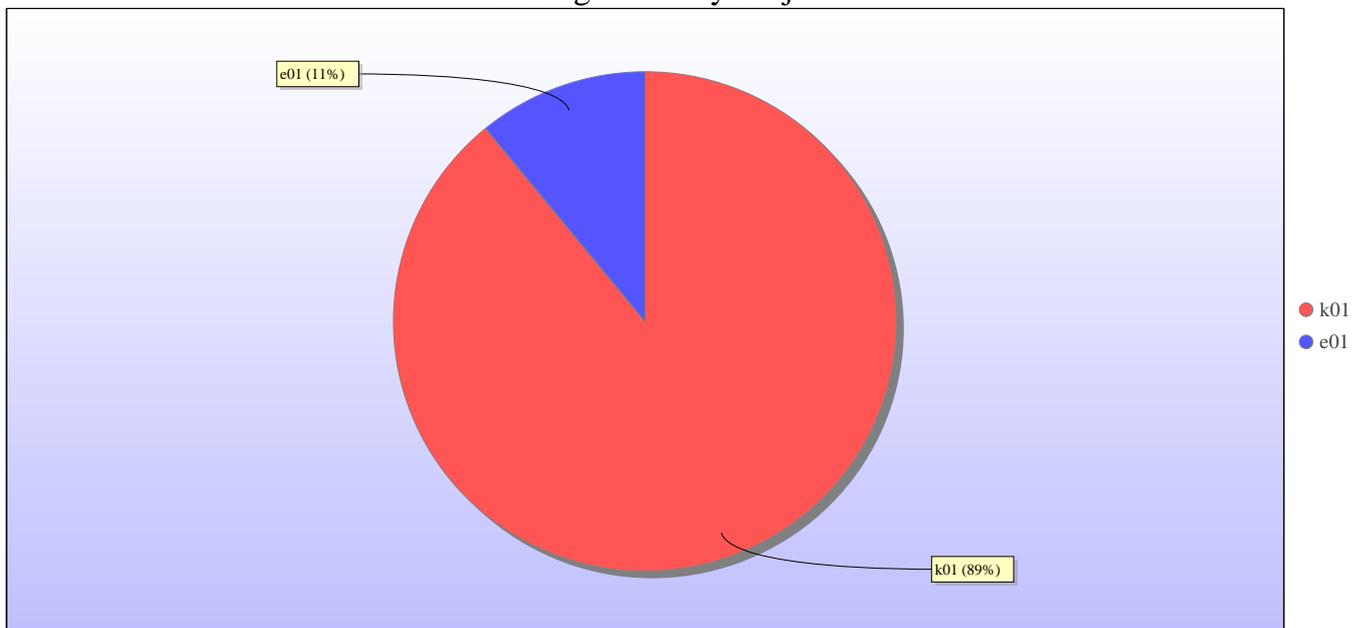
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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 kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e01	Consortia	91	0.0		211.2		0.0	
k01	Service	117	0.0		1,722.1		0.0	
EPSRC Total		208	0.0		1,933.3		0.0	
Total		208	0.0	0	1,933.3	0	0.0	0

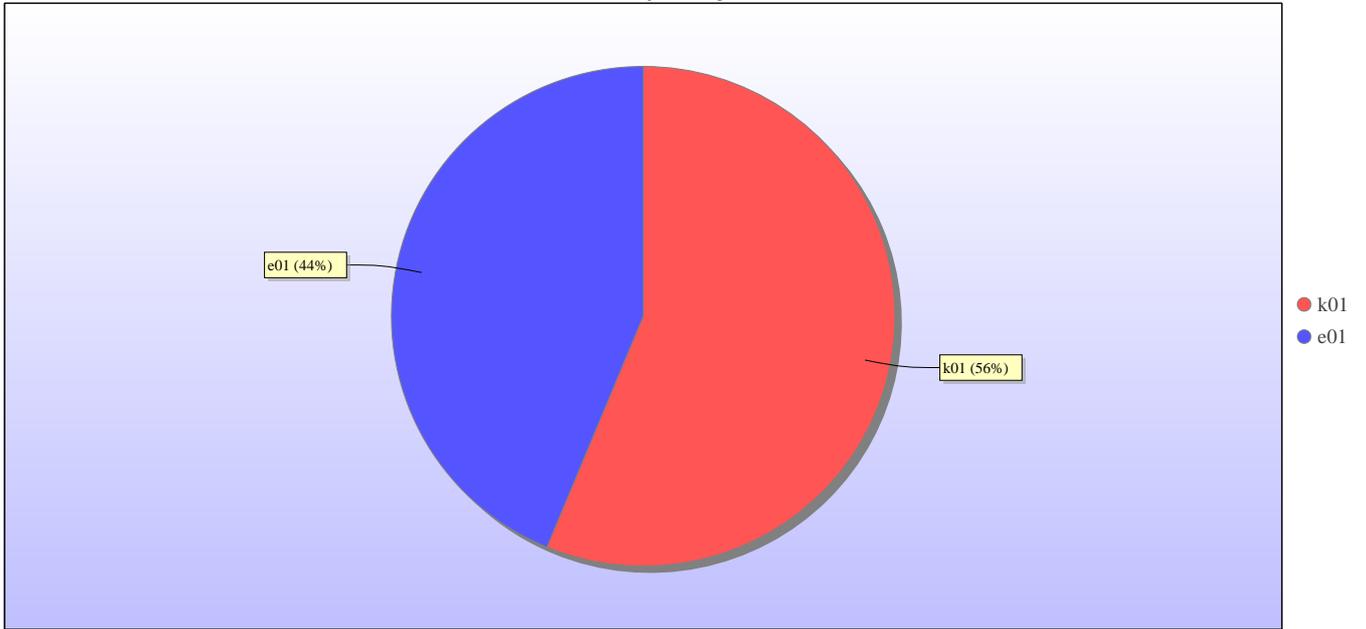
Use by Project



Uncharged Use by Project



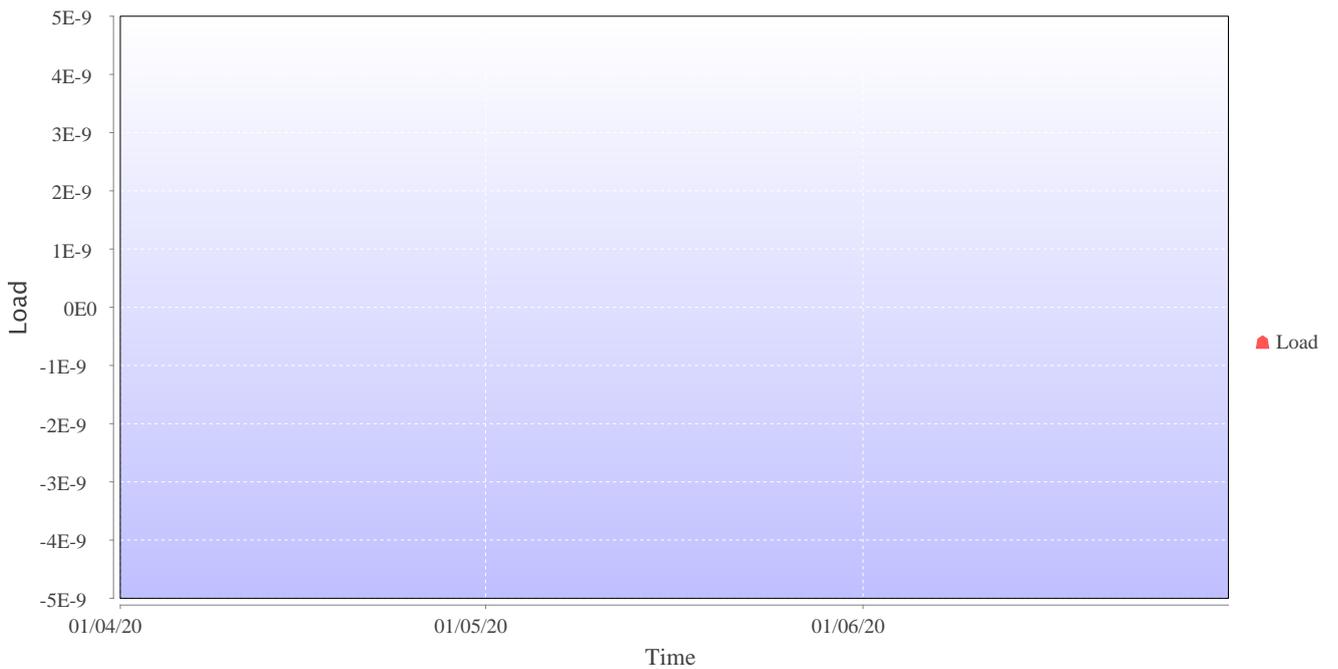
Jobs by Project



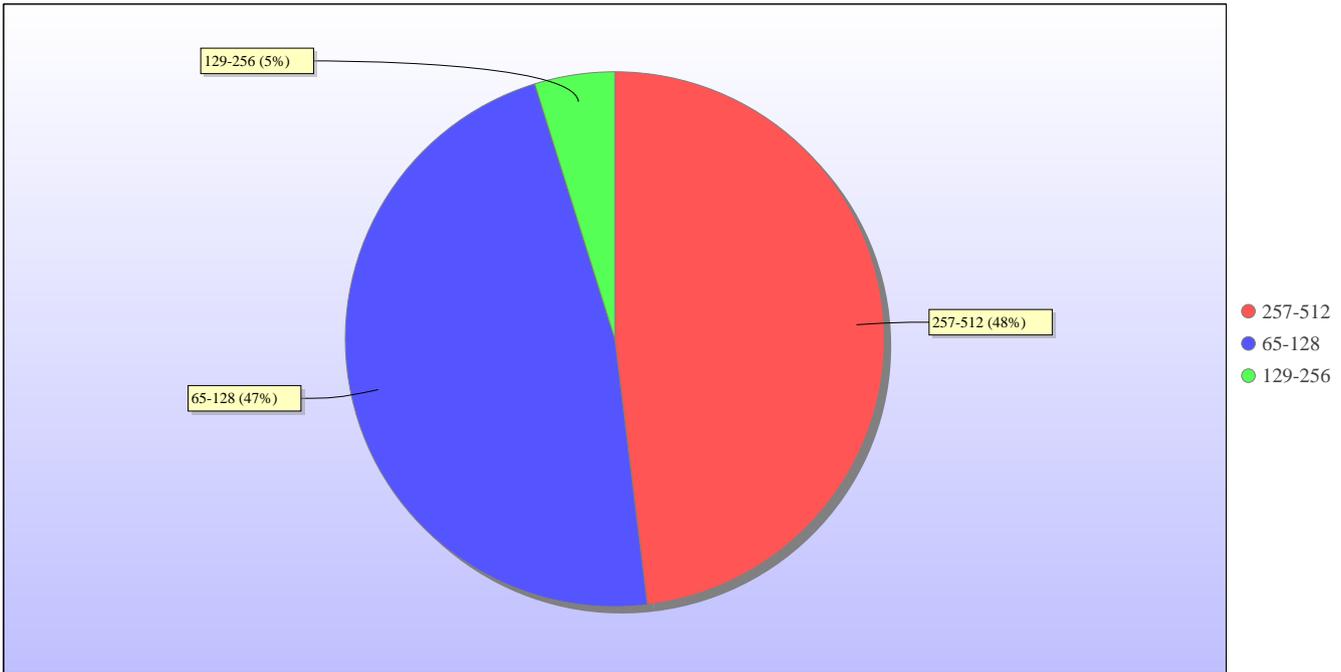
kAUs (by Size)

Size	kAUs	Number of Jobs
65-128	0	98
129-256	0	10
257-512	0	100

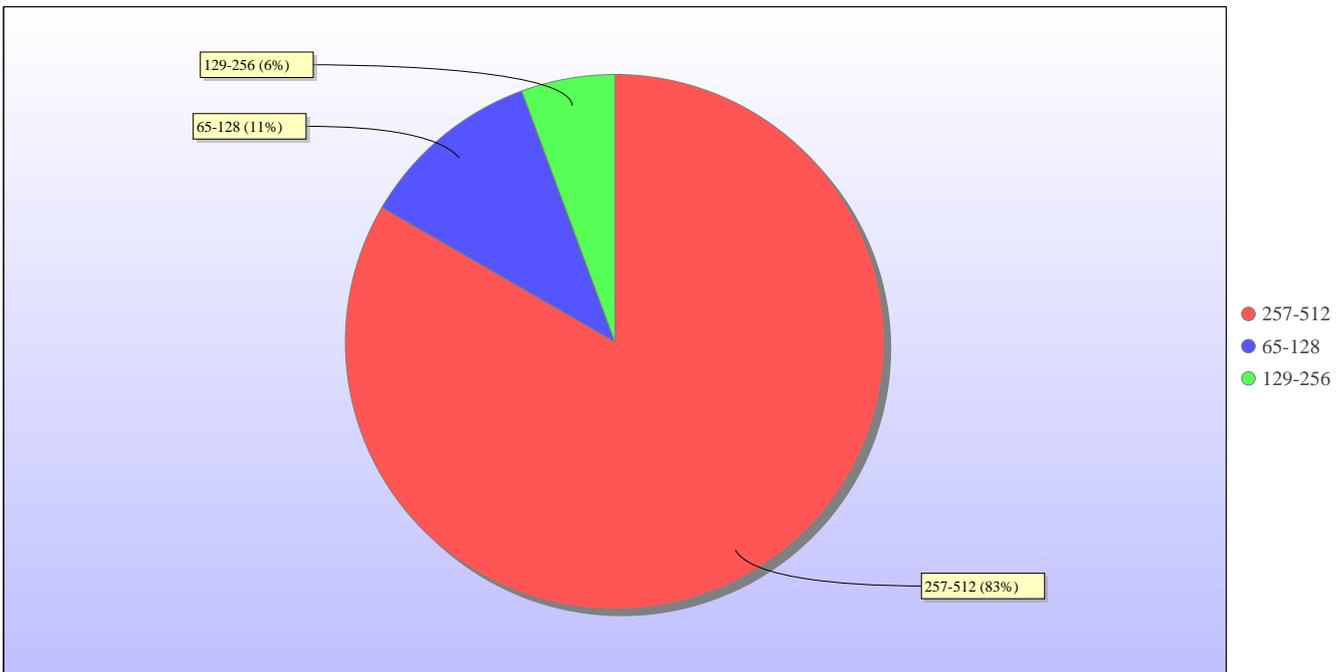
Load plots



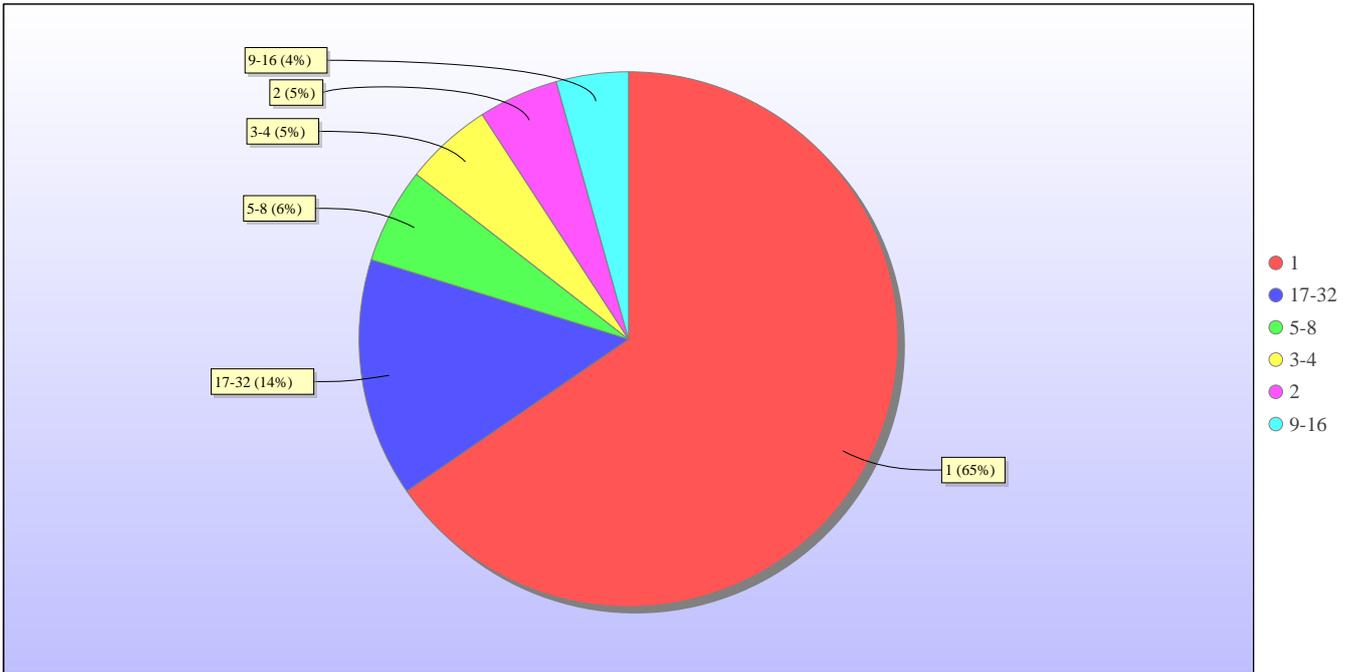
Percentage load on machine



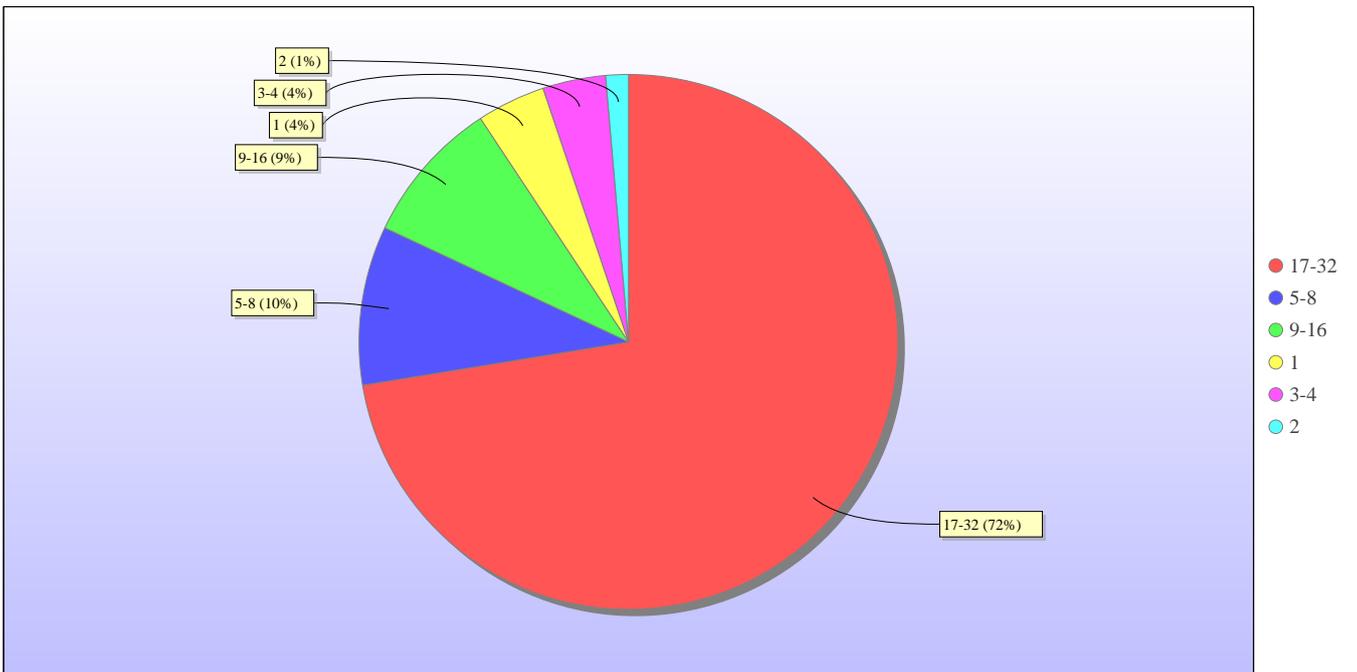
Jobs by Size



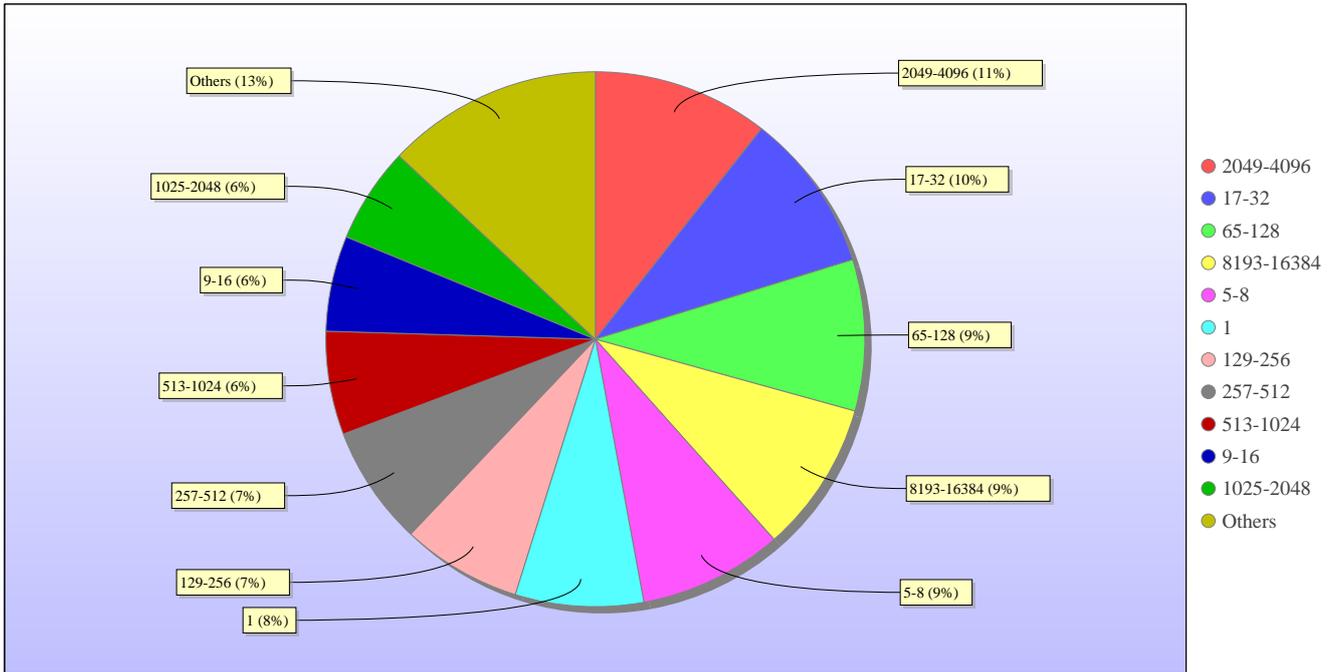
kAUs used by Size



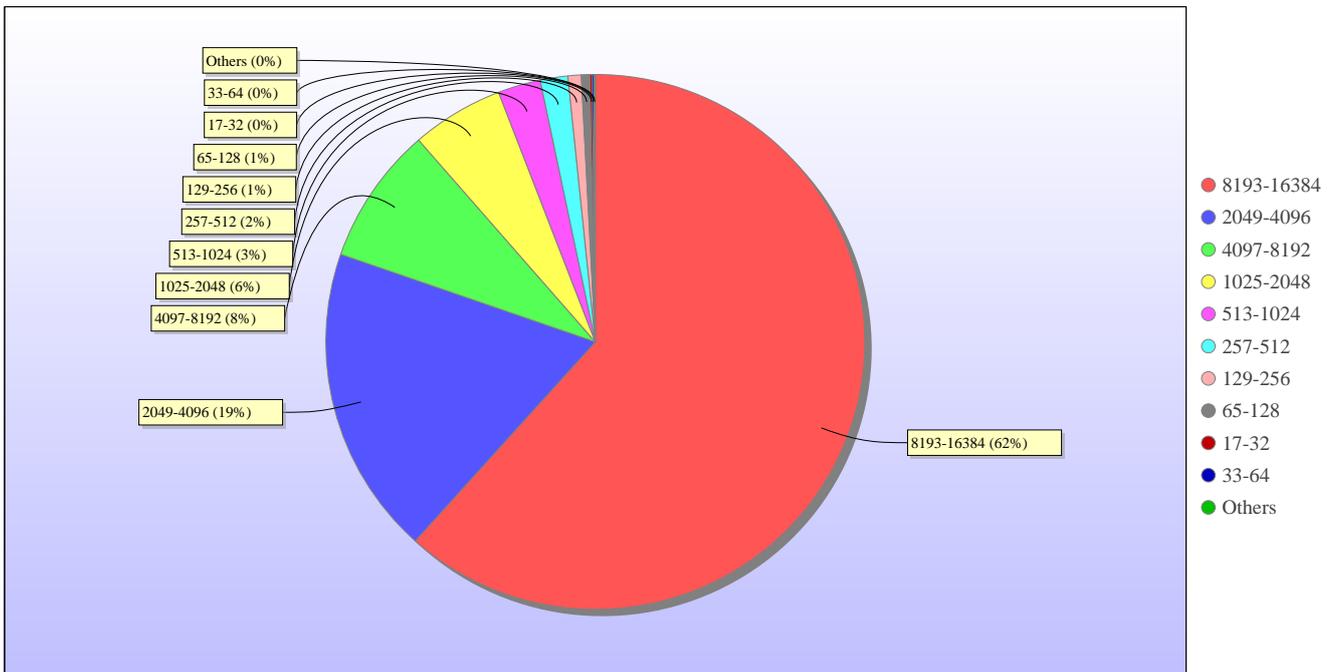
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours

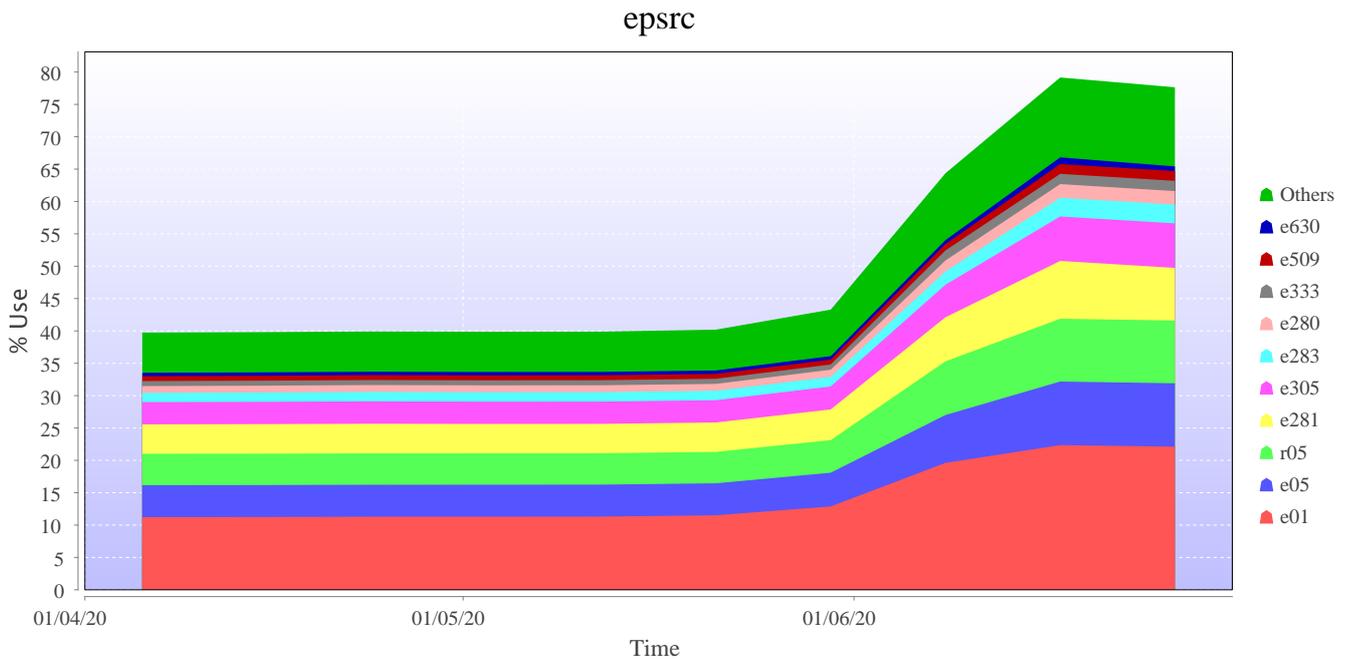


kAUs used grouped by core-hours

Disk usage

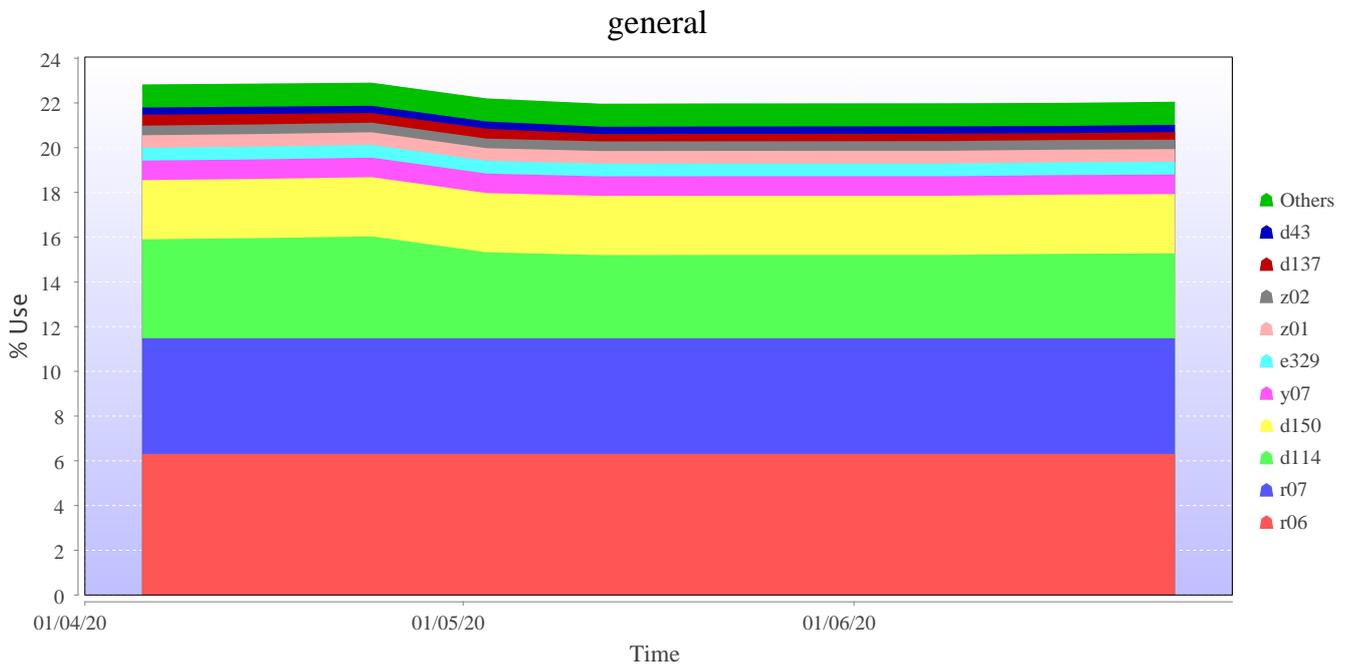
Disk usage for rdf (epsrc)

This is a plot of Disk Use on 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.



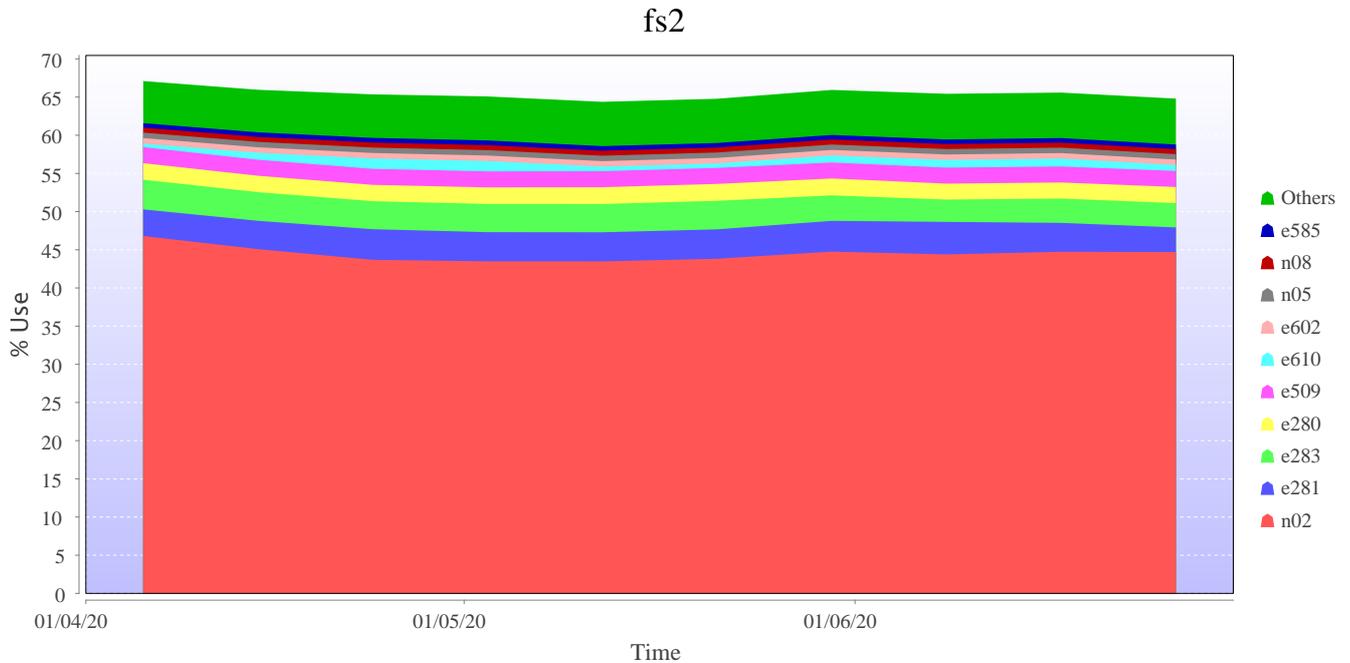
Disk usage for rdf (general)

This is a plot of Disk Use on 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.



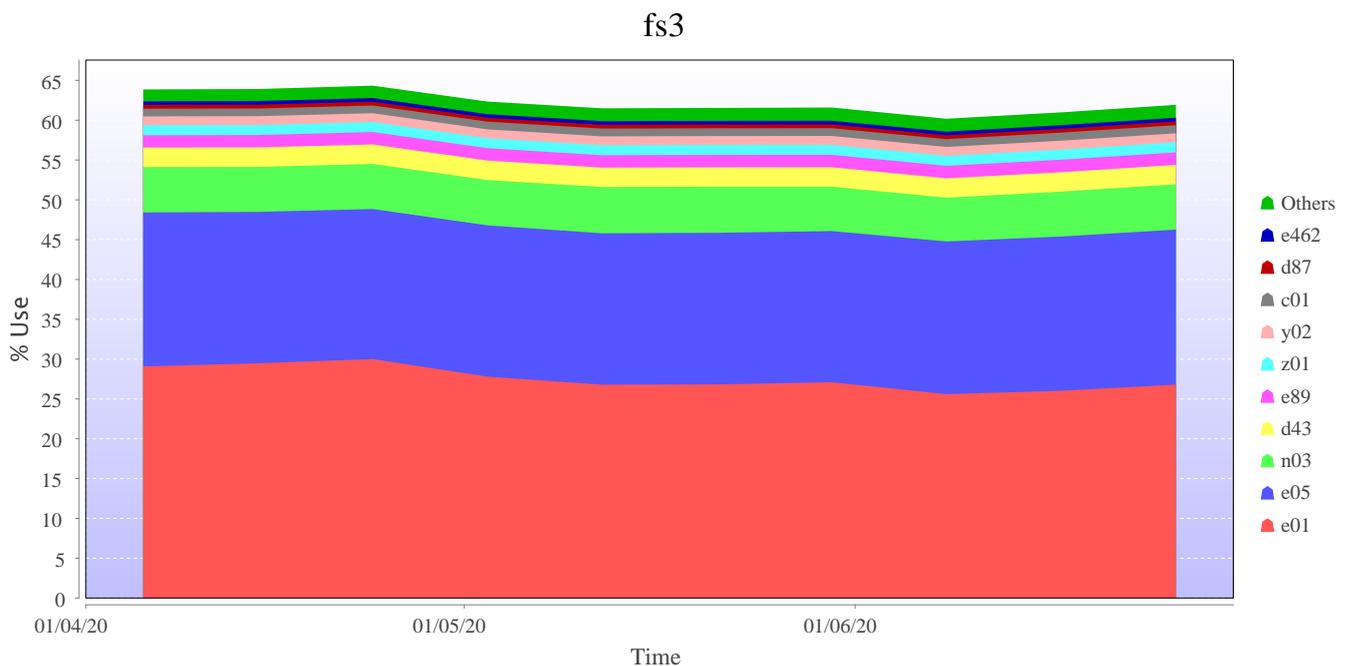
Disk usage for work (fs2)

This is a plot of Disk Use on fs2 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.



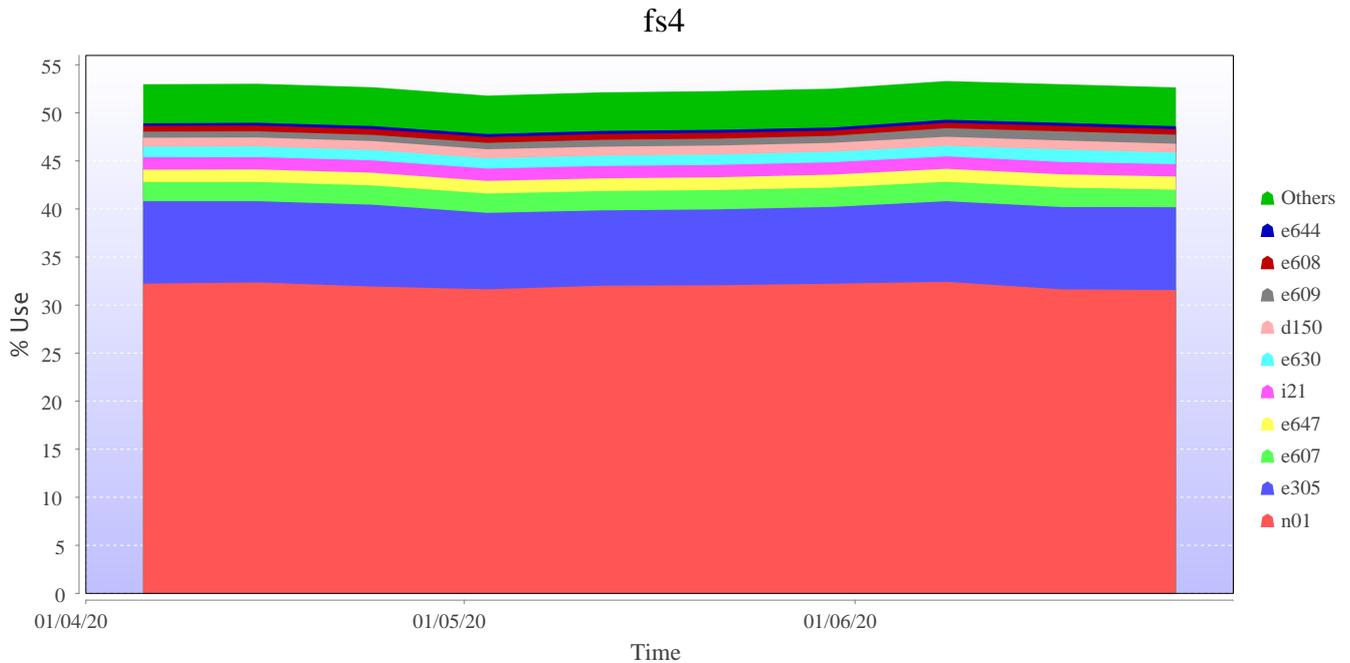
Disk usage for work (fs3)

This is a plot of Disk Use on fs3 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.



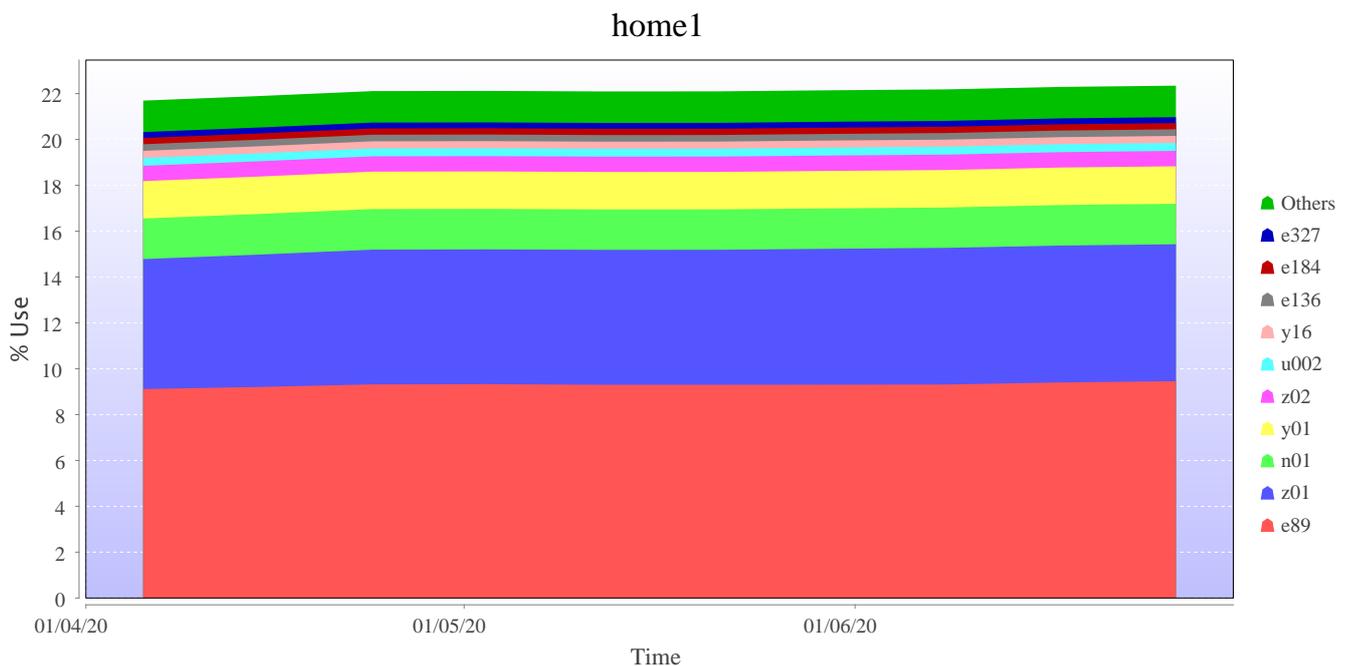
Disk usage for work (fs4)

This is a plot of Disk Use on fs4 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.



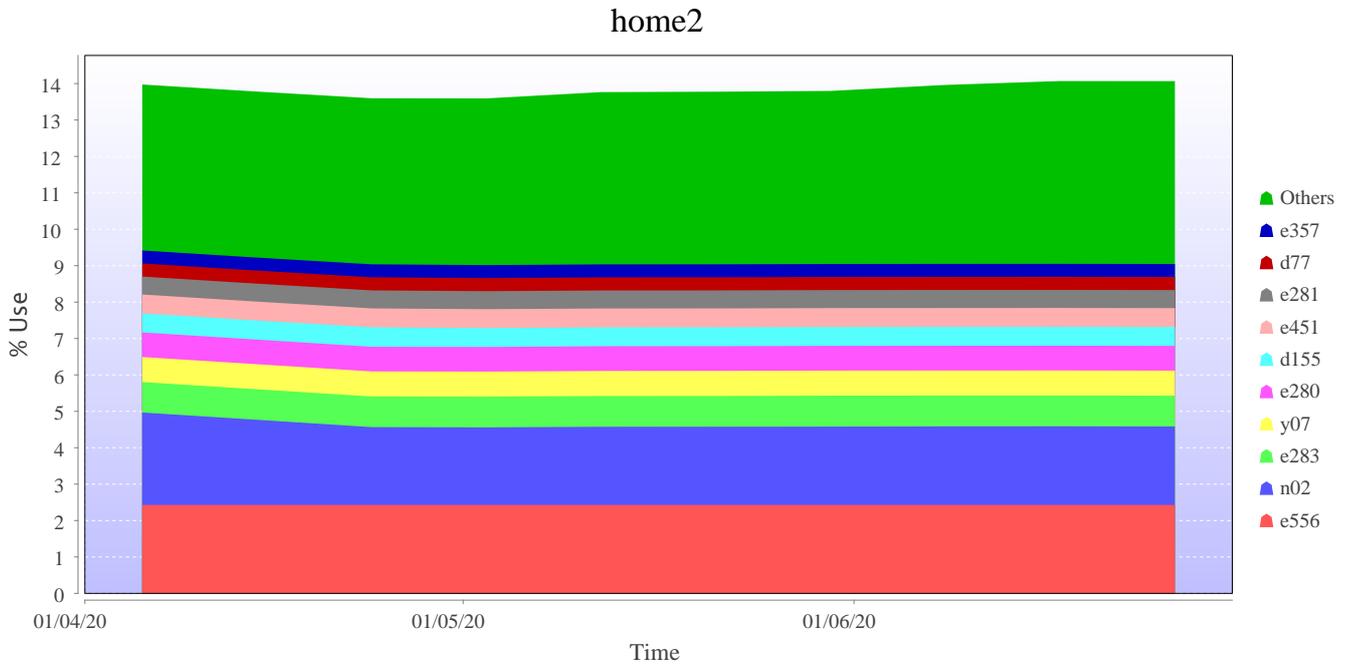
Disk usage for home (home1)

This is a plot of Disk Use on 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.



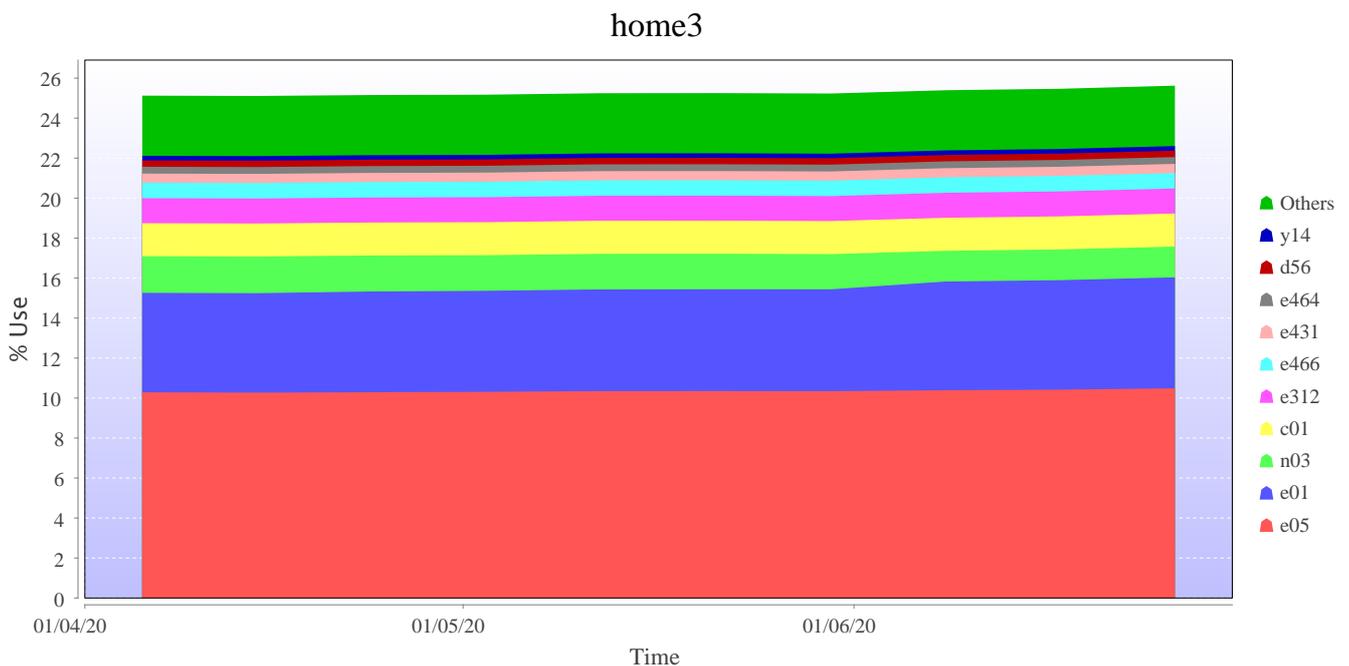
Disk usage for home (home2)

This is a plot of Disk Use on 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.



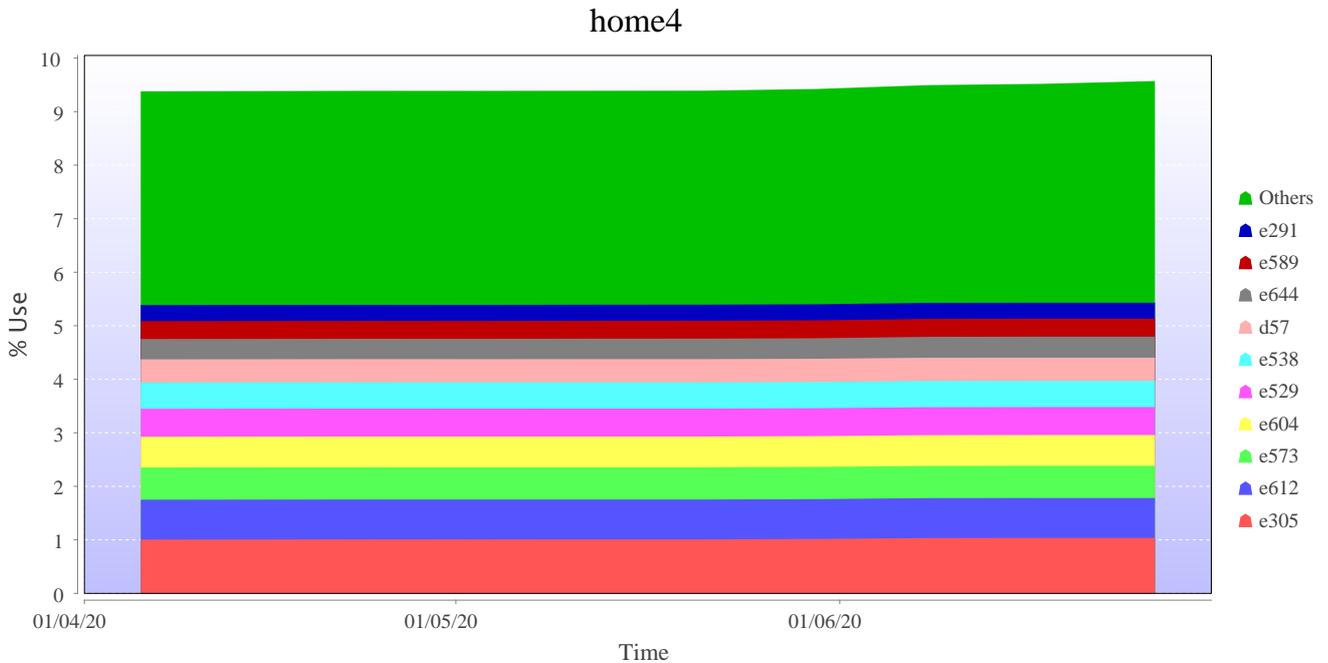
Disk usage for home (home3)

This is a plot of Disk Use on 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.



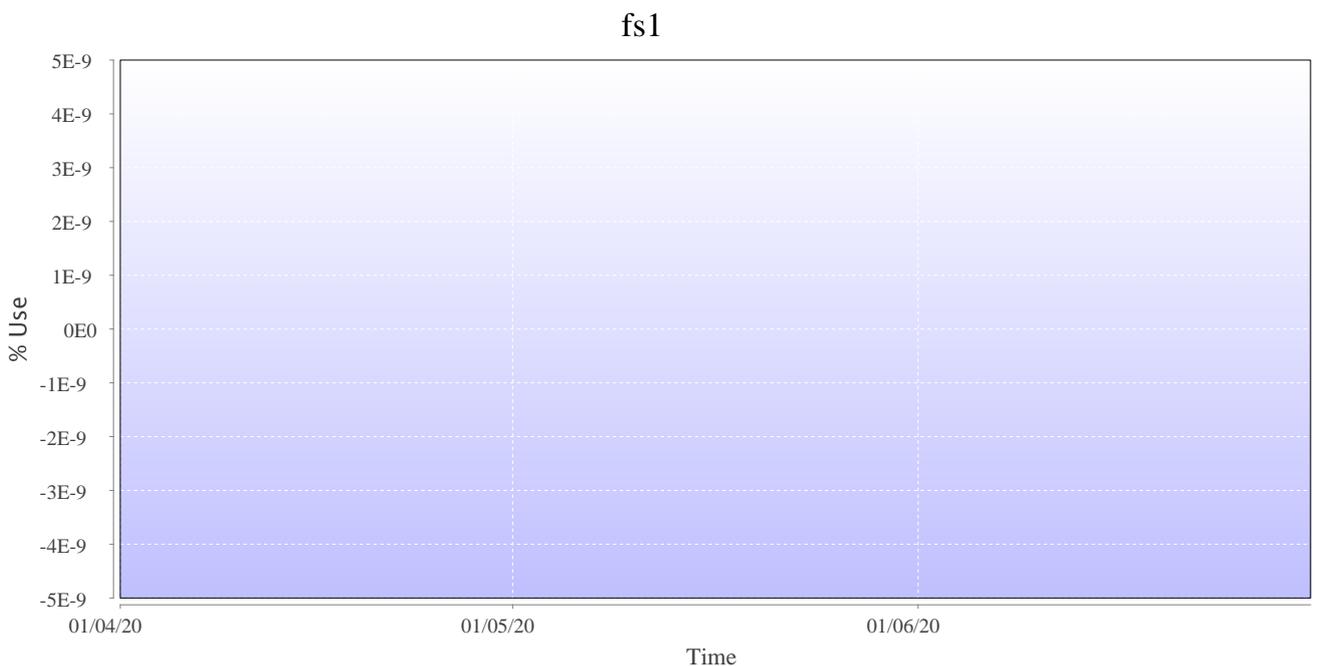
Disk usage for home (home4)

This is a plot of Disk Use on home4 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.



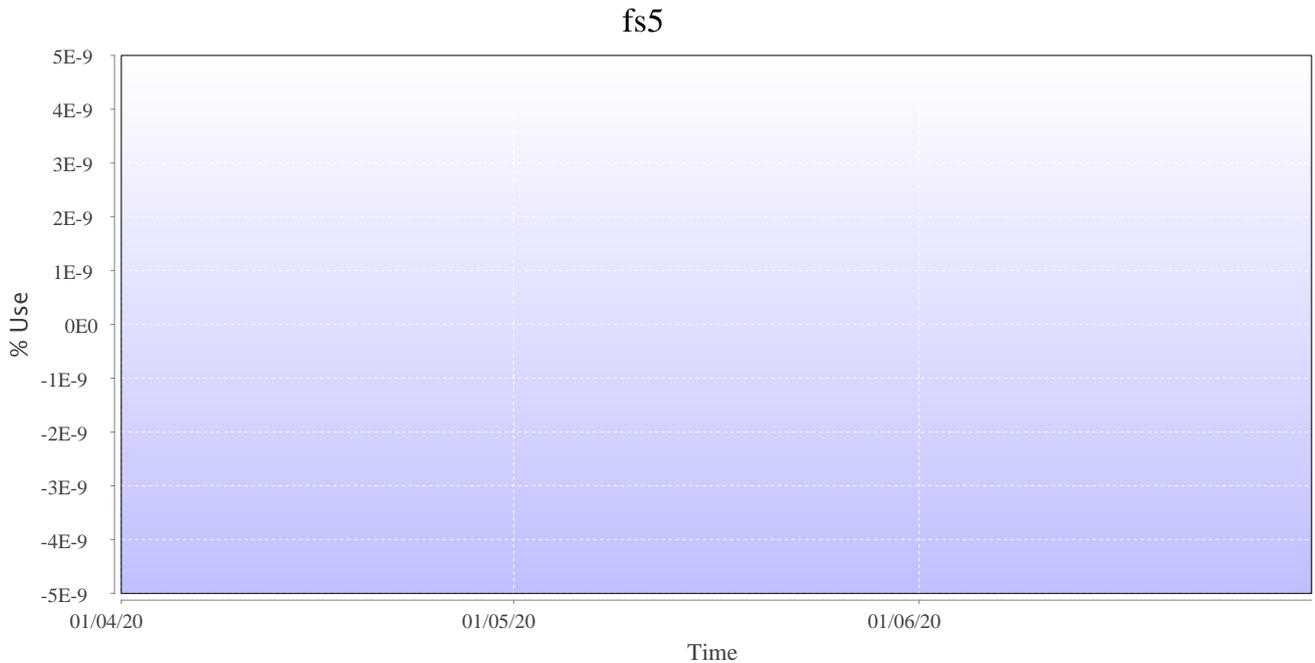
Disk usage for tdswork (fs1)

This is a plot of Disk Use on fs1 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.



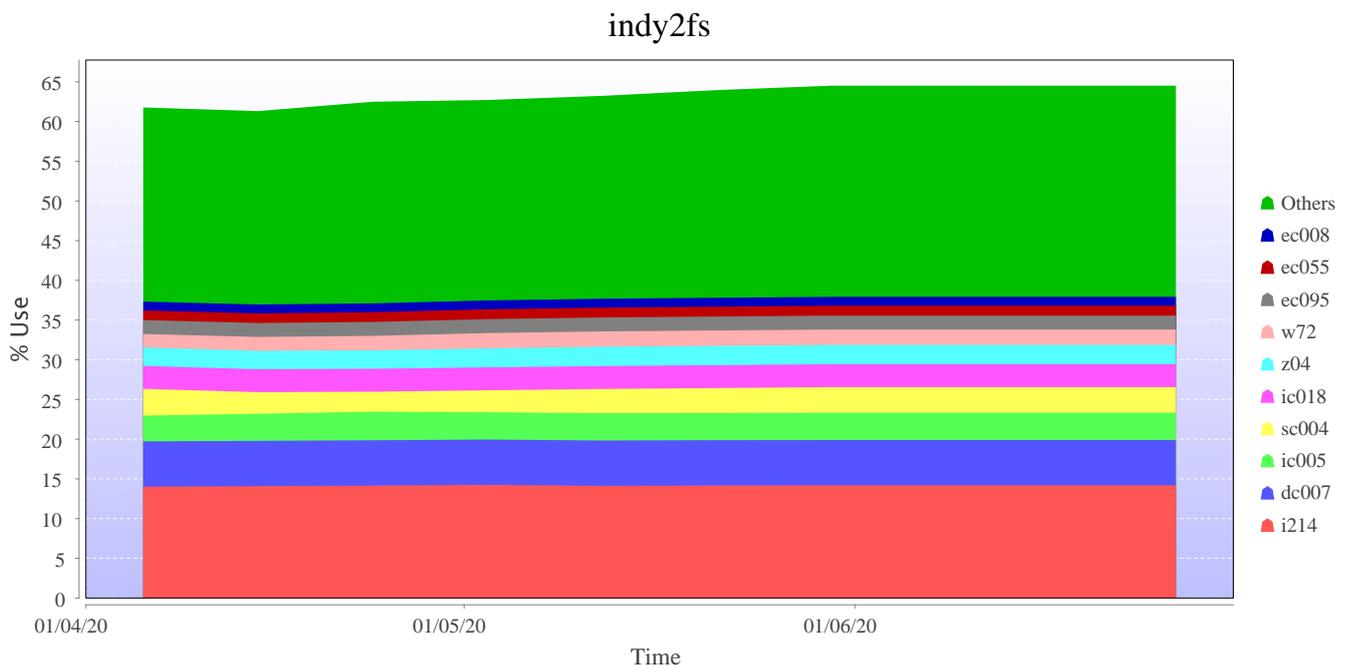
Disk usage for knlwork (fs5)

This is a plot of Disk Use on fs5 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 (indy2fs)

This is a plot of Disk Use on indy2fs 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 (archer2-tds-work)

This is a plot of Disk Use on archer2-tds-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.

