

# Monthly Reporting

## Report from 01 June 2020 to 30 June 2020

### Report for Resource Pool XC on All machines

A total of 1,275,263.991 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.

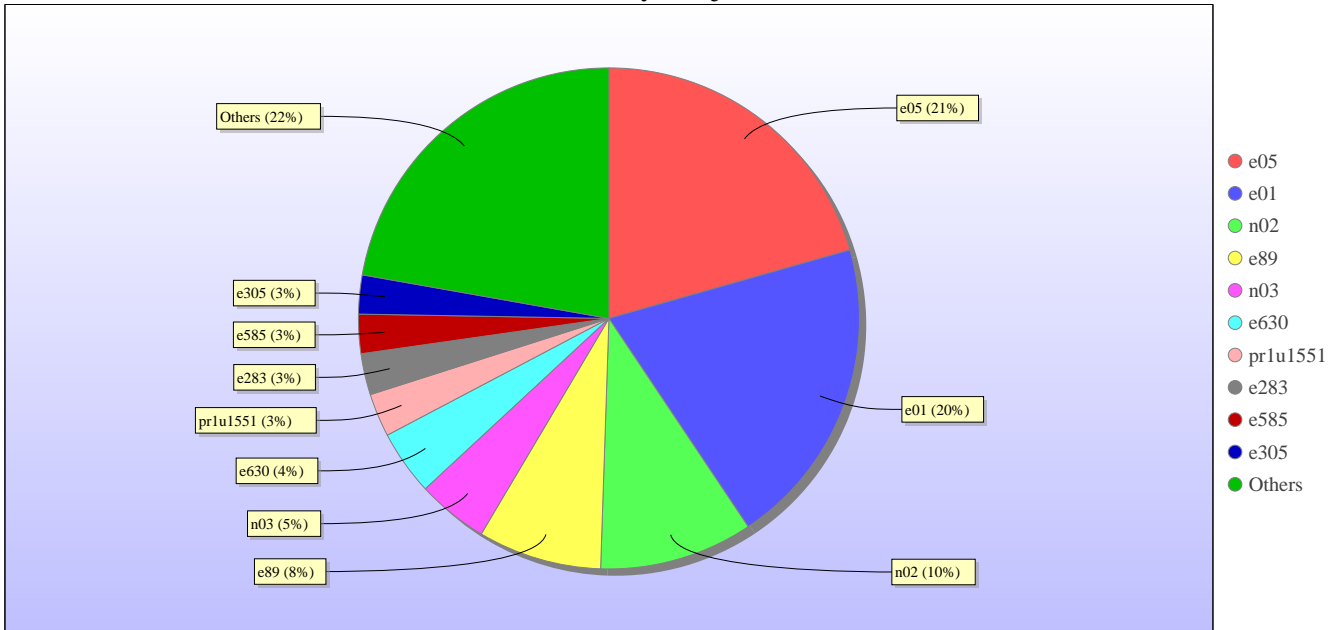
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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	52	42.6	0.00%	42.6	0.00%	3,277.9	0.26%
c01	Class1a	1,112	11,197.7	0.88%	11,197.7	0.88%	12,904.1	1.01%
e432	Class1a	121	4,449.2	0.35%	4,449.2	0.35%	7,701.2	0.60%
e448	Class1a	339	21,287.3	1.67%	21,287.3	1.67%	24,490.1	1.92%
e517	Class1a	0	0.0	0.00%	0.0	0.00%	78.0	0.01%
e519	Class1a	27	7,247.6	0.57%	8,659.1	0.68%	4,553.6	0.36%
e530	Class1a	19	1,951.4	0.15%	1,951.4	0.15%	1,093.4	0.09%
e537	Class1a	0	0.0	0.00%	0.0	0.00%	1,817.6	0.14%
e572	Class1a	646	5,253.8	0.41%	7,448.5	0.58%	3,135.0	0.25%
e575	Class1a	82	1,423.6	0.11%	1,423.6	0.11%	2,772.4	0.22%
e584	Class1a	6	0.0	0.00%	0.0	0.00%	1,326.2	0.10%
e588	Class1a	40	1,378.0	0.11%	1,378.0	0.11%	2,950.1	0.23%
e606	Class1a	98	5,023.4	0.39%	5,023.4	0.39%	8,142.3	0.64%
e607	Class1a	214	11,385.8	0.89%	11,385.8	0.89%	15,573.8	1.22%
e608	Class1a	4	778.8	0.06%	1,557.6	0.12%	3,277.9	0.26%
e609	Class1a	253	8,614.2	0.68%	8,614.2	0.68%	11,639.3	0.91%
e610	Class1a	65	10,834.2	0.85%	10,834.6	0.85%	6,339.3	0.50%
e613	Class1a	35	873.5	0.07%	873.5	0.07%	655.7	0.05%
e627	Class1a	214	5,289.2	0.41%	5,289.2	0.41%	7,251.9	0.57%
e630	Class1a	109	34,966.4	2.74%	43,634.9	3.42%	16,300.7	1.28%
e637	Class1a	0	0.0	0.00%	0.0	0.00%	2,458.5	0.19%
e642	Class1a	0	0.0	0.00%	0.0	0.00%	7,174.9	0.56%
e643	Class1a	51	0.0	0.00%	0.0	0.00%	7,089.5	0.56%
e645	Class1a	49	891.2	0.07%	891.2	0.07%	3,947.0	0.31%
e647	Class1a	383	590.2	0.05%	590.2	0.05%	5,194.3	0.41%
e648	Class1a	0	0.0	0.00%	0.0	0.00%	4,748.3	0.37%
e649	Class1a	12	2,483.9	0.19%	2,483.9	0.19%	4,098.4	0.32%
e651	Class1a	108	815.1	0.06%	815.1	0.06%	1,994.3	0.16%
e655	Class1a	0	0.0	0.00%	0.0	0.00%	523.8	0.04%
e663	Class1a	0	0.0	0.00%	0.0	0.00%	1,584.3	0.12%
e01	Consortia	2,052	182,997.5	14.35%	208,786.0	16.37%	70,537.6	5.53%
e05	Consortia	8,826	161,799.4	12.69%	214,660.7	16.83%	226,438.3	17.76%
e89	Consortia	3,071	81,511.2	6.39%	83,234.6	6.53%	115,466.1	9.05%
e280	Consortia	390	14,213.3	1.11%	16,488.0	1.29%	48,897.2	3.83%
e281	Consortia	530	6,929.7	0.54%	6,930.6	0.54%	17,476.8	1.37%
e283	Consortia	1,595	27,699.9	2.17%	27,777.5	2.18%	18,307.1	1.44%
e305	Consortia	516	25,979.1	2.04%	26,159.0	2.05%	39,742.8	3.12%
e585	Consortia	270	18,483.9	1.45%	26,378.8	2.07%	28,688.5	2.25%
e658	Consortia	9,141	17,601.5	1.38%	17,601.5	1.38%	27,783.9	2.18%
e348	Direct Access: ARCHER RAP	28	1,019.0	0.08%	1,019.0	0.08%	6,626.1	0.52%

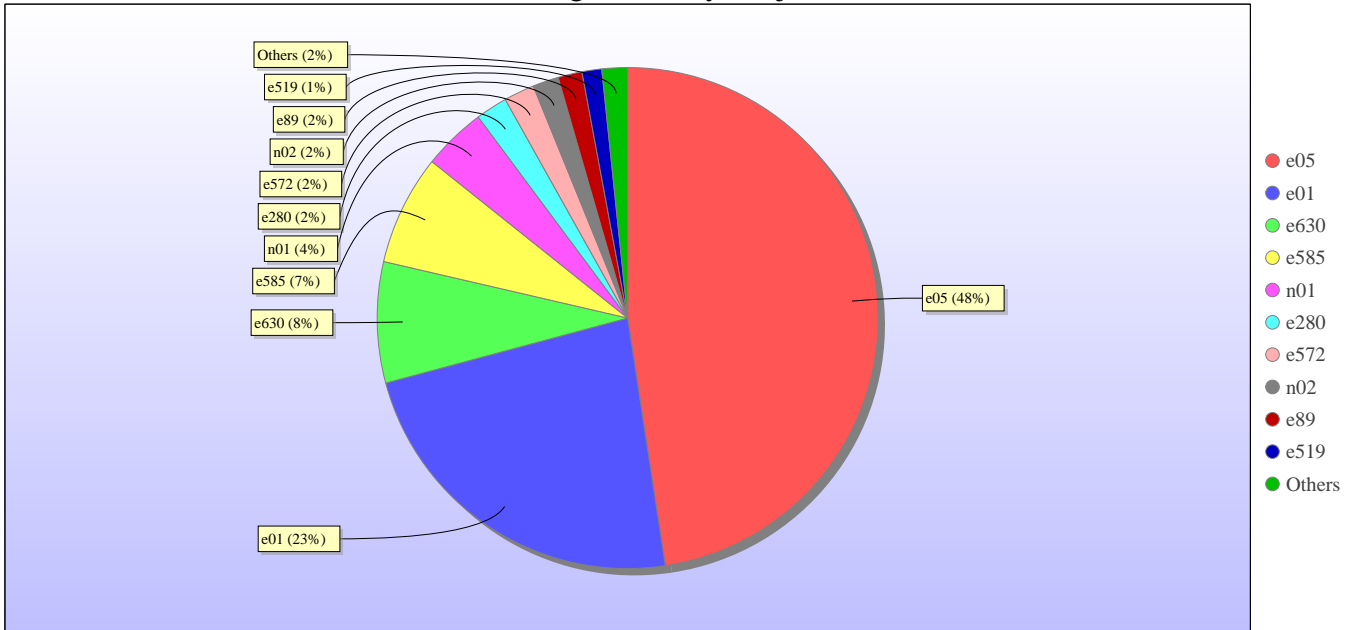
Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
e664	Direct Access: ARCHER RAP	0	0.0	0.00%	0.0	0.00%	903.8	0.07%
e632	Instant Access	1,869	2,221.4	0.17%	2,239.1	0.18%	904.8	0.07%
e650	Instant Access	0	0.0	0.00%	0.0	0.00%	131.4	0.01%
e653	Instant Access	0	0.0	0.00%	0.0	0.00%	131.9	0.01%
e656	Instant Access	0	0.0	0.00%	0.0	0.00%	197.8	0.02%
e657	Instant Access	70	271.0	0.02%	271.0	0.02%	194.4	0.02%
e659	Instant Access	0	0.0	0.00%	0.0	0.00%	195.9	0.02%
e660	Instant Access	37	952.1	0.07%	954.9	0.07%	195.6	0.02%
e661	Instant Access	358	75.3	0.01%	75.3	0.01%	195.6	0.02%
e662	Instant Access	39	1,224.4	0.10%	1,224.4	0.10%	196.7	0.02%
e665	Instant Access	19	0.0	0.00%	0.0	0.00%	59.0	0.00%
e631	Training	4	1,245.9	0.10%	1,245.9	0.10%	1,965.1	0.15%
e644	Training	0	0.0	0.00%	0.0	0.00%	2,212.9	0.17%
e654	Training	438	587.0	0.05%	661.2	0.05%	2,686.6	0.21%
tc011	Training	126	97.2	0.01%	64.8	0.01%	20.8	0.00%
<b>EPSRC Total</b>		<b>33,418</b>	<b>681,685.9</b>	<b>53.45%</b>	<b>785,603.4</b>	<b>61.60%</b>	<b>784,251.0</b>	<b>61.50%</b>
n01	Consortia	2,596	16,643.7	1.31%	19,893.5	1.56%	126,589.6	9.93%
n02	Consortia	7,787	102,473.3	8.04%	103,346.6	8.10%	182,686.6	14.33%
n03	Consortia	1,787	47,754.4	3.74%	47,819.5	3.75%	82,388.1	6.46%
<b>NERC Total</b>		<b>12,170</b>	<b>166,871.5</b>	<b>13.09%</b>	<b>171,059.7</b>	<b>13.41%</b>	<b>391,664.2</b>	<b>30.71%</b>
e621	Leadership Awards	56	2,747.0	0.22%	2,747.0	0.22%	6,348.5	0.50%
e568	Research	205	4,952.7	0.39%	4,974.3	0.39%	3,746.1	0.29%
<b>BBSRC Total</b>		<b>261</b>	<b>7,699.7</b>	<b>0.60%</b>	<b>7,721.3</b>	<b>0.61%</b>	<b>10,094.6</b>	<b>0.79%</b>
pr1u0001	DECI: EXEC	0	0.0	0.00%	0.0	0.00%	2.7	0.00%
pr1u1551	DECI: EXEC	44	29,153.6	2.29%	29,153.6	2.29%	7,327.3	0.57%
pr1u1552	DECI: EXEC	44	730.5	0.06%	730.5	0.06%	2,883.6	0.23%
pr1u1553	DECI: EXEC	84	20,914.1	1.64%	20,914.1	1.64%	9,689.4	0.76%
pr1u1554	DECI: EXEC	280	350.5	0.03%	456.7	0.04%	571.9	0.04%
pr1u1501	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1502	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1503	DECI: HOME	0	0.0	0.00%	0.0	0.00%	530.5	0.04%
pr1u1504	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1505	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	0.00%
pr1u1506	DECI: HOME	0	0.0	0.00%	0.0	0.00%	1,572.3	0.12%
pr1u1507	DECI: HOME	0	0.0	0.00%	0.0	0.00%	0.1	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	0.01%
<b>PRACE Total</b>		<b>452</b>	<b>51,148.6</b>	<b>4.01%</b>	<b>51,254.8</b>	<b>4.02%</b>	<b>22,664.7</b>	<b>1.78%</b>
d43	ECDF	0	0.0	0.00%	0.0	0.00%	197.8	0.02%
d35	Research	0	0.0	0.00%	0.0	0.00%	163.0	0.01%
d56	Research	799	11,013.4	0.86%	11,043.6	0.87%	6,570.3	0.52%
d88	Research	0	0.0	0.00%	0.0	0.00%	0.5	0.00%
d114	Research	933	6,922.6	0.54%	6,984.0	0.55%	13,874.0	1.09%
d118	Research	396	284.4	0.02%	284.4	0.02%	438.0	0.03%
d137	Research	661	741.5	0.06%	741.5	0.06%	2,840.9	0.22%
d142	Research	124	61.5	0.00%	61.5	0.00%	711.8	0.06%
d143	Research	72	2,404.2	0.19%	2,404.2	0.19%	1,229.5	0.10%
d150	Research	0	0.0	0.00%	0.0	0.00%	1,401.4	0.11%
d155	Research	39	396.5	0.03%	396.5	0.03%	2,737.6	0.21%
d170	Research	68	0.0	0.00%	0.0	0.00%	0.8	0.00%
d428	Research	35	646.2	0.05%	678.6	0.05%	529.4	0.04%
W22	Industrial	0	0.0	0.00%	0.0	0.00%	262.2	0.02%

Project	Project Class	Number of Jobs	Charged kAUs	Charged Utilisation	Used kAUs	Utilisation	Allocated kAUs	Allocation
d153	Industrial	39	44.5	0.00%	44.6	0.00%	219.0	0.02%
i01	Industrial	7	1,859.7	0.15%	1,859.7	0.15%	602.3	0.05%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	1,483.9	0.12%
i21	Industrial	3	362.9	0.03%	241.9	0.02%	16,393.4	1.29%
i236	Industrial	2	0.0	0.00%	0.0	0.00%	127.6	0.01%
w21	Industrial	3	378.5	0.03%	757.1	0.06%	458.9	0.04%
w24	Industrial	0	0.0	0.00%	0.0	0.00%	245.8	0.02%
x08	Industrial	61	404.1	0.03%	404.1	0.03%	1,648.7	0.13%
d171	Training	772	228.2	0.02%	228.2	0.02%	1,095.1	0.09%
d425	Service	0	0.0	0.00%	0.0	0.00%	1.6	0.00%
z99	Service	23	0.1	0.00%	0.1	0.00%	1.6	0.00%
<b>DirectorsTime Total</b>		<b>4,037</b>	<b>25,748.3</b>	<b>2.02%</b>	<b>26,129.9</b>	<b>2.05%</b>	<b>53,235.5</b>	<b>4.17%</b>
y14	Training	28	0.0	0.00%	0.0	0.00%	163.9	0.01%
y01	Service	0	0.0	0.00%	0.0	0.00%	16.5	0.00%
y02	Service	2	0.0	0.00%	0.0	0.00%	82.4	0.01%
y07	Service	0	0.0	0.00%	0.0	0.00%	61.5	0.00%
z01	Service	36	0.0	0.00%	0.0	0.00%	12.2	0.00%
z02	Service	1	0.0	0.00%	0.0	0.00%	4.1	0.00%
z19	Service	854	764.0	0.06%	770.3	0.06%	2,347.6	0.18%
<b>CSE Total</b>		<b>921</b>	<b>764.0</b>	<b>0.06%</b>	<b>770.3</b>	<b>0.06%</b>	<b>2,688.3</b>	<b>0.21%</b>
<b>Total</b>		<b>51,259</b>	<b>933,917.9</b>	<b>73.23%</b>	<b>1,042,539.4</b>	<b>81.75%</b>	<b>1,264,598.3</b>	<b>99.16%</b>

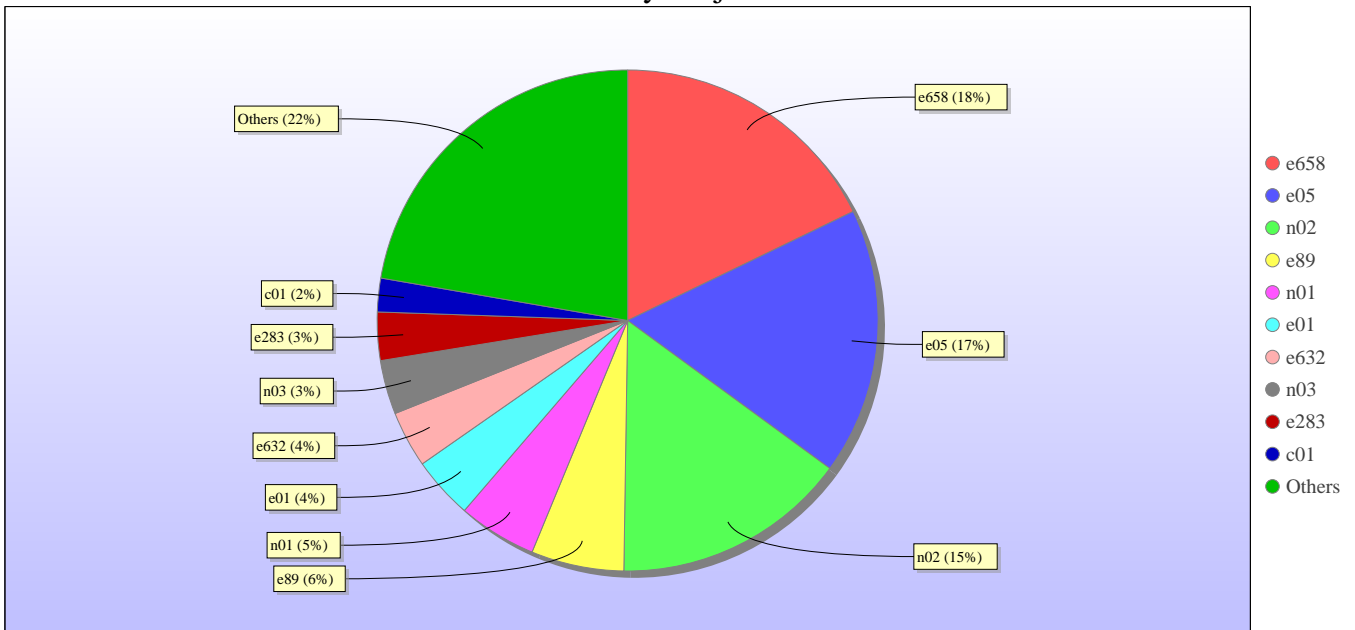
Use by Project



### Uncharged Use by Project



### Jobs by Project

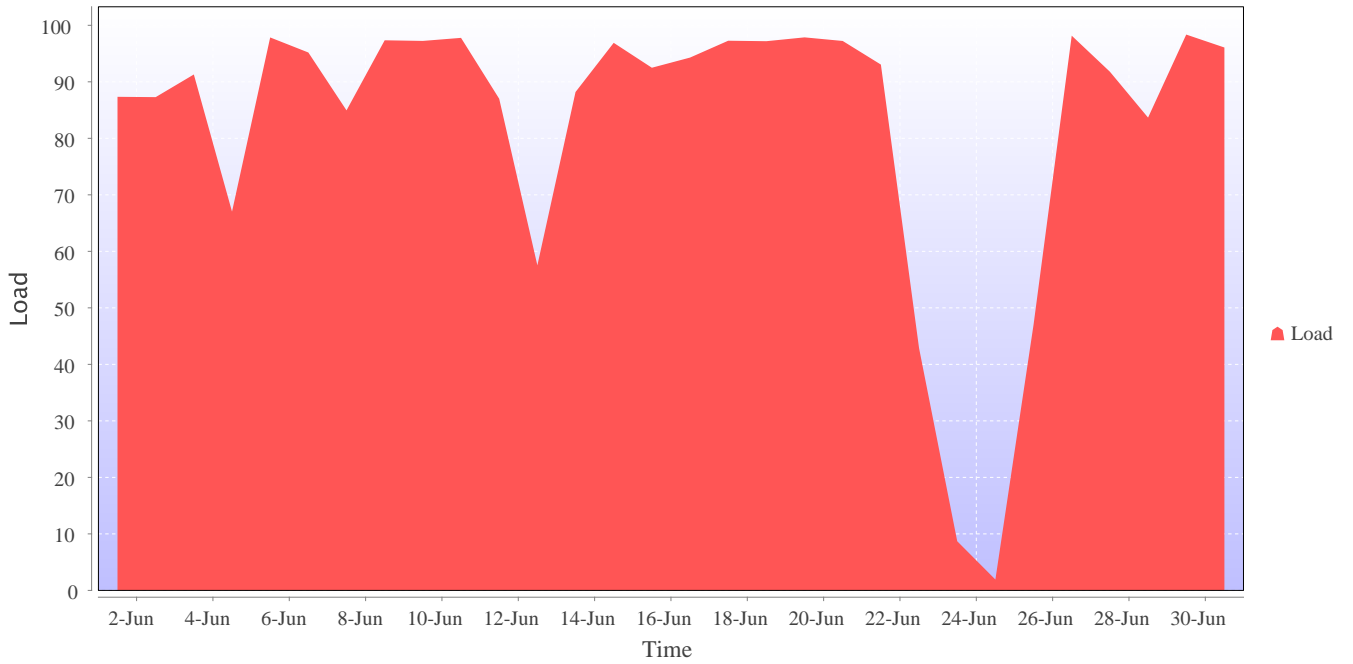


### kAUs (by Size)

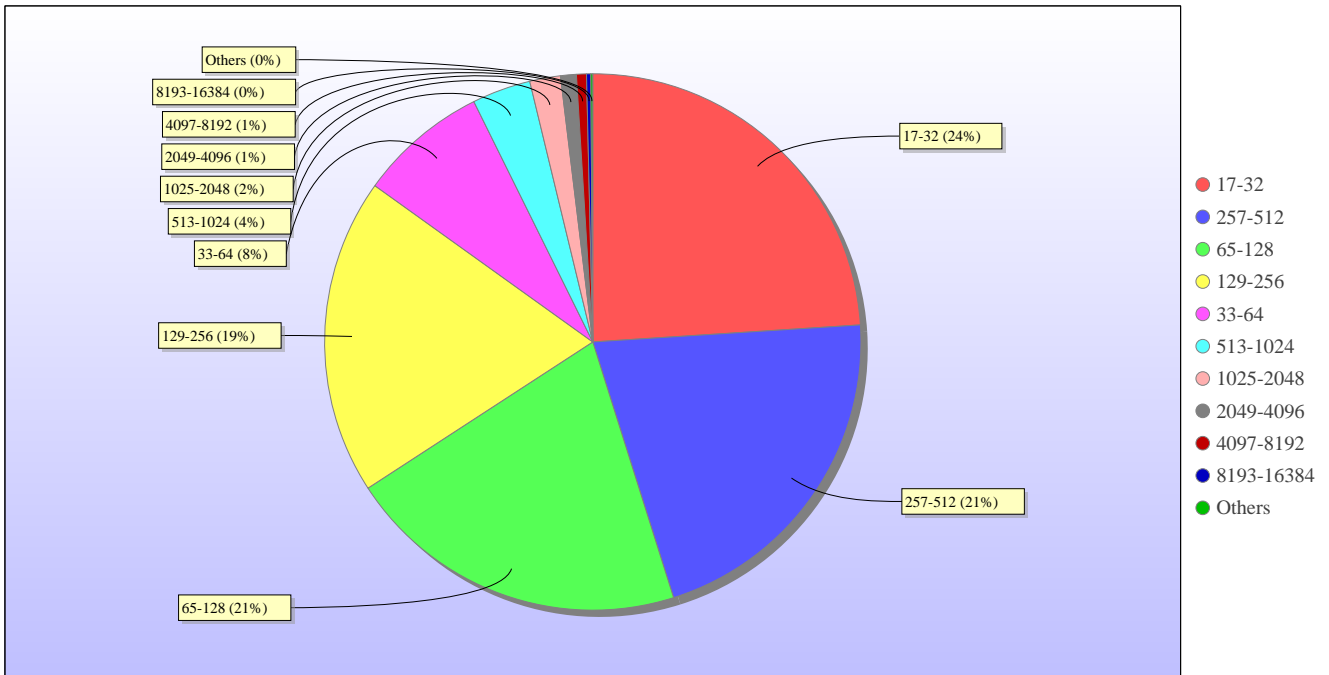
Size	kAUs	Number of Jobs
17-32	7,500.504	12,293
33-64	16,834.088	3,989
65-128	47,617.838	10,606
129-256	136,125.752	9,778
257-512	157,428.154	10,834
513-1024	118,455.997	1,812
1025-2048	110,136.187	950
2049-4096	81,264.565	487
4097-8192	65,723.854	308
8193-16384	43,611.058	130
16385-32768	104,495.684	53

Size	kAUs	Number of Jobs
32769-65536	13,239.744	5
65537-131072	24,181.555	3

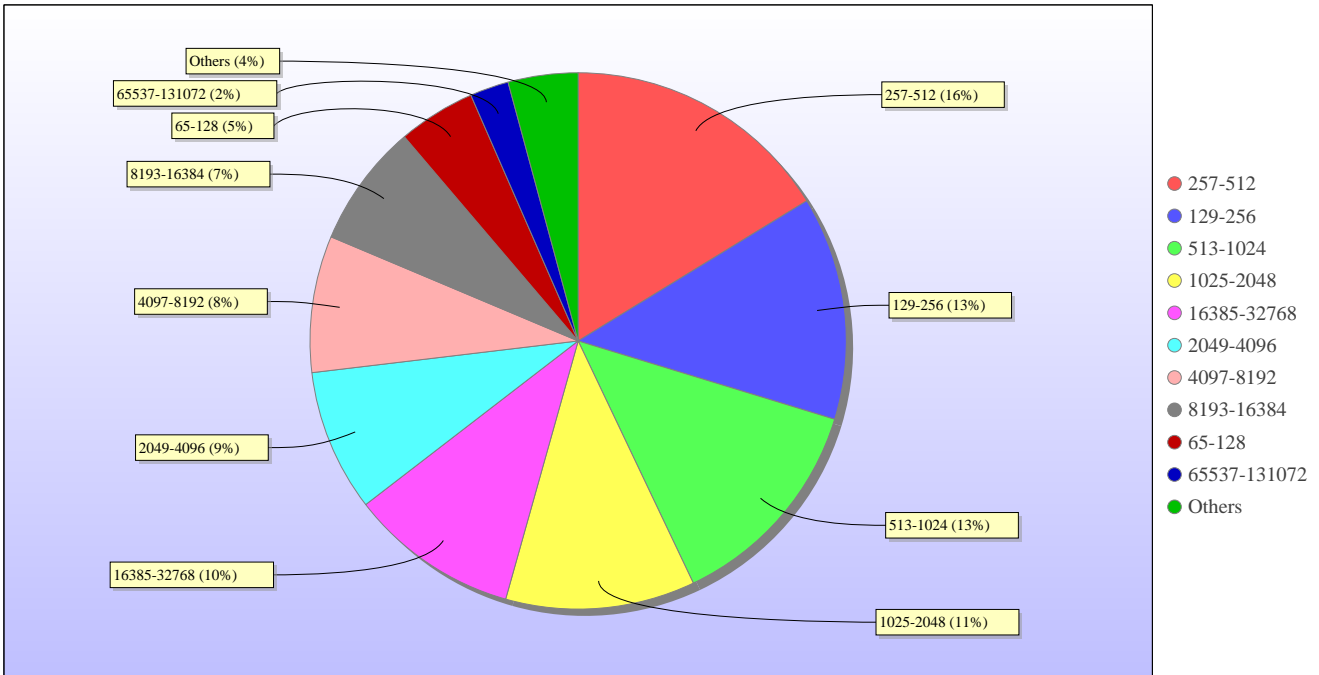
### Load plots



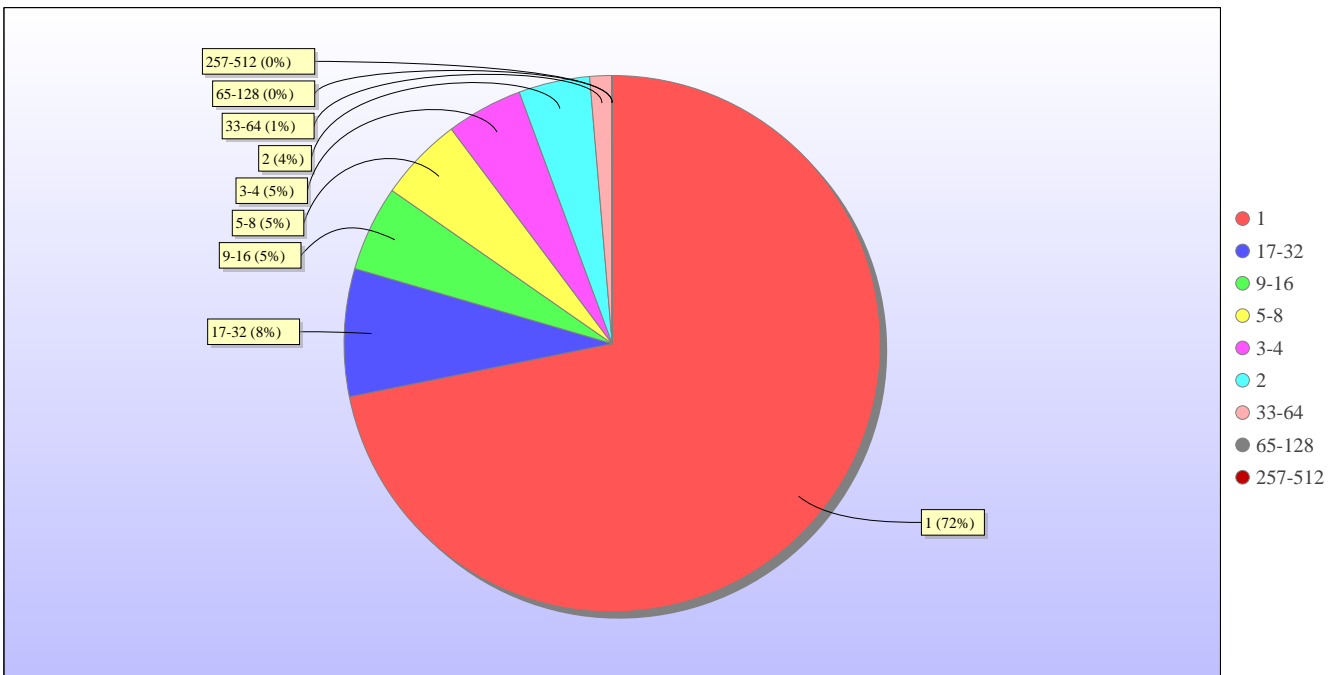
Percentage load on machine



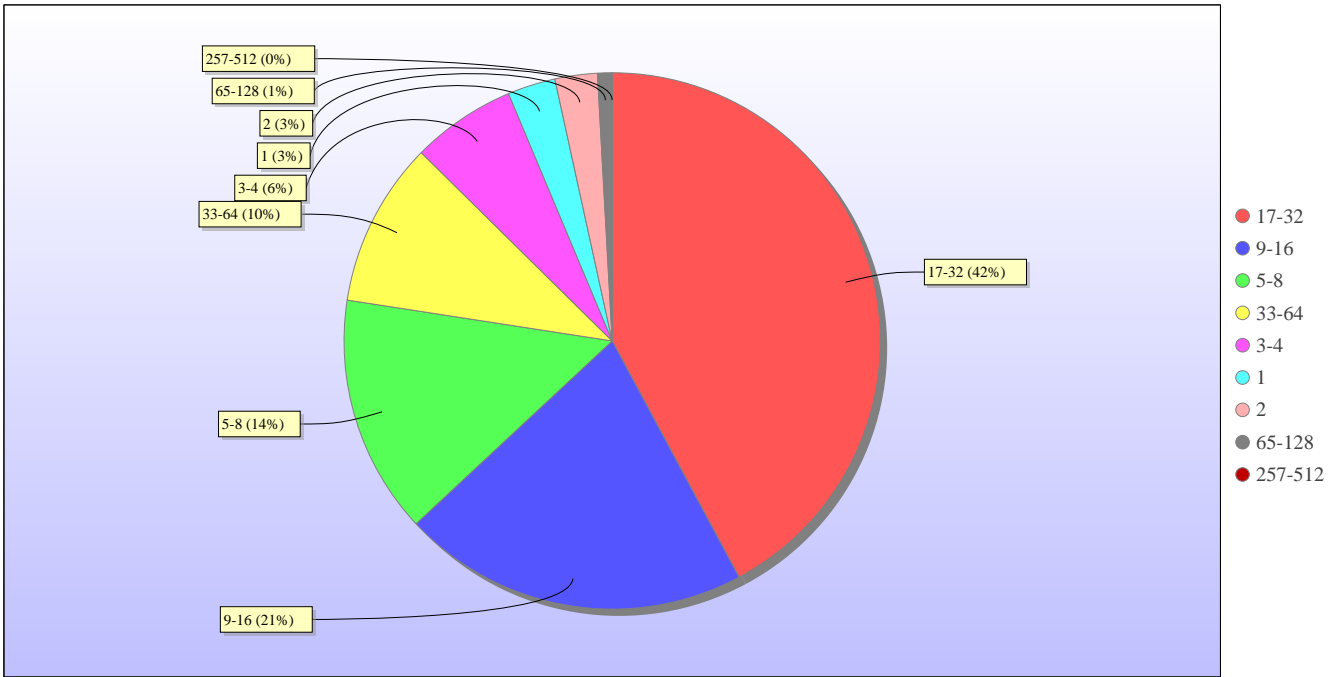
Jobs by Size



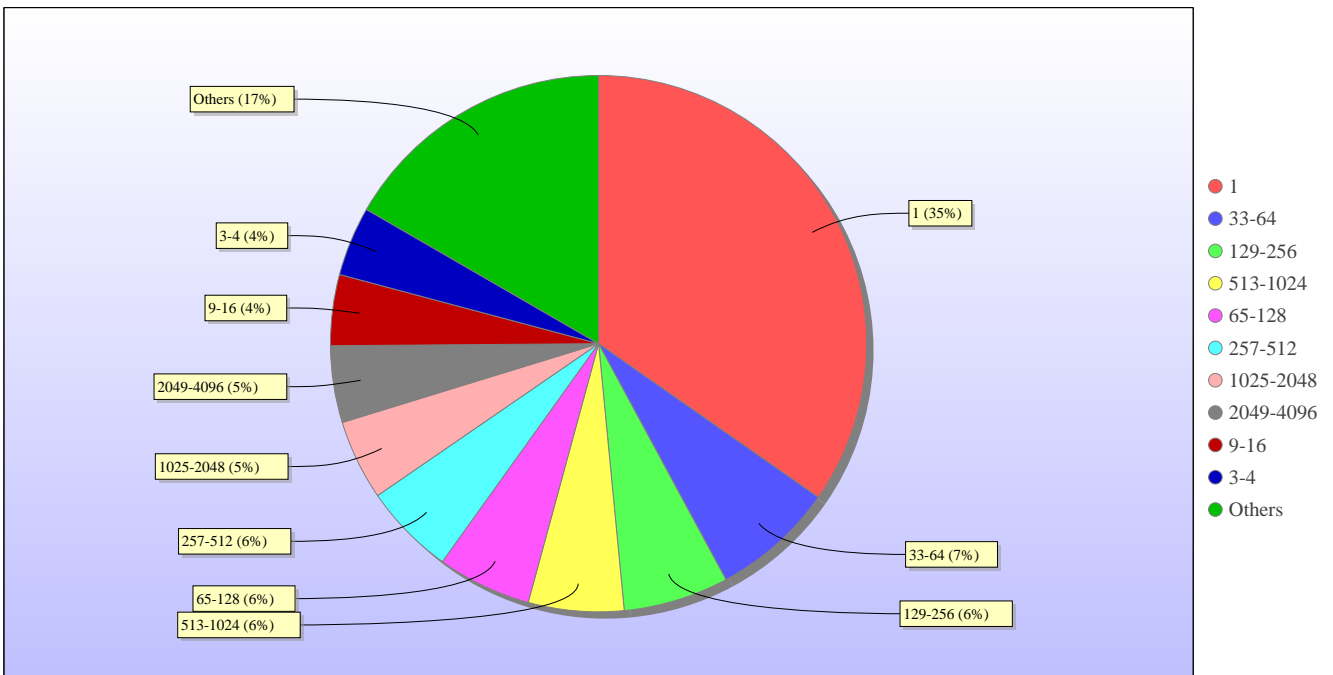
kAUs used by Size



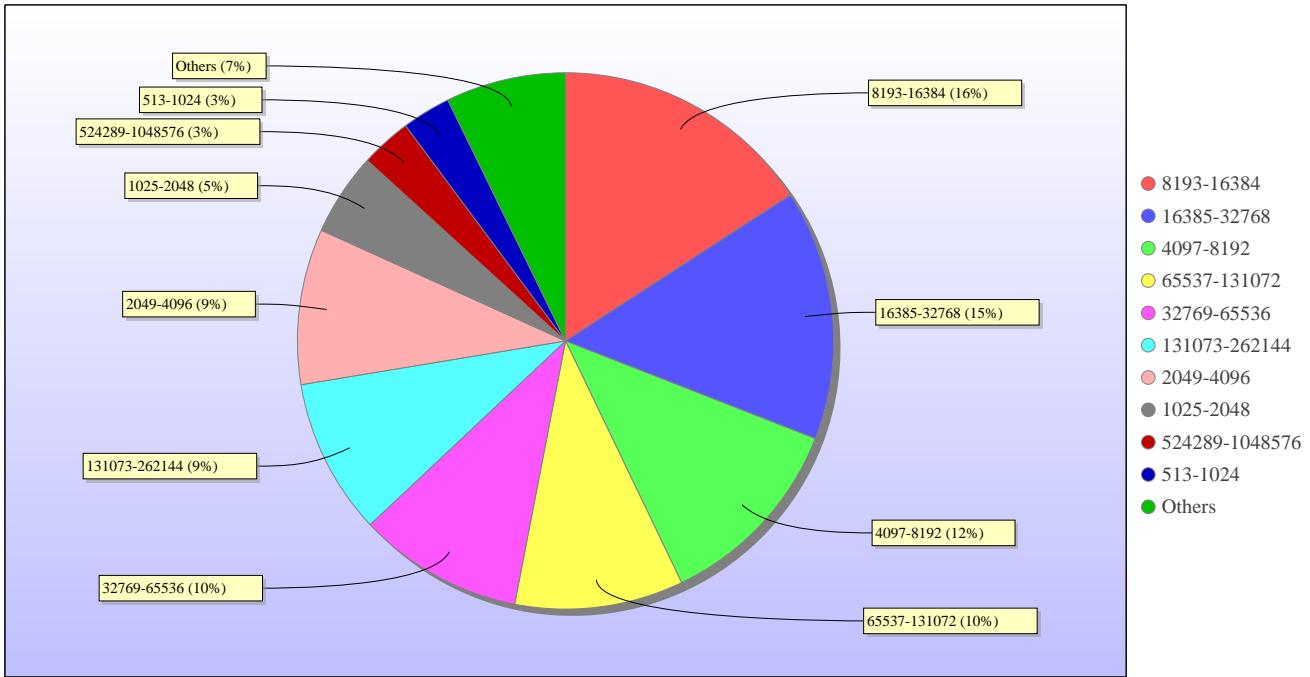
Jobs grouped by wall-clock-hours



kAUs used grouped by wall-clock-hours



Jobs grouped by core-hours



kAUs used grouped by core-hours

## 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.

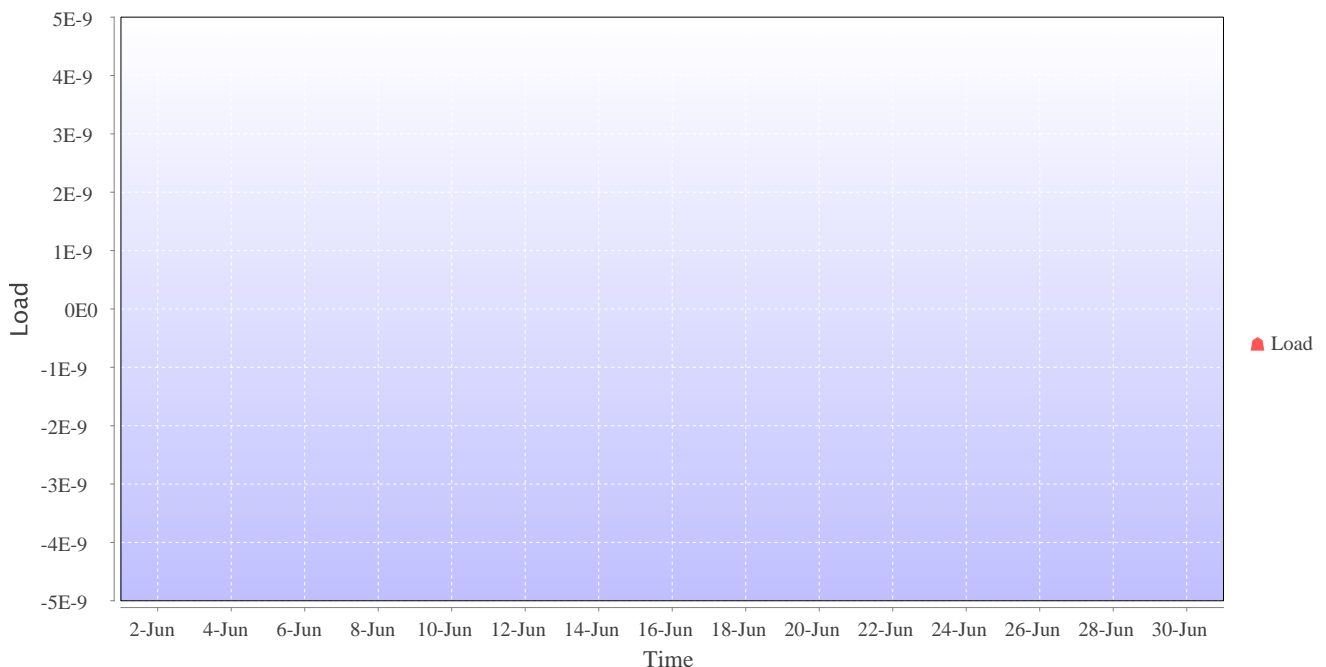
The (Allocation) column is the time allocated to the project, scaled according to the reporting period and shown as a fraction of the available resources. If this report period is a sub-period of the Allocation period then the SAFE calculates the Allocation for this sub-period based on a linear spend 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.

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



Percentage load on machine

## Report for Resource Pool Bede 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.

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)

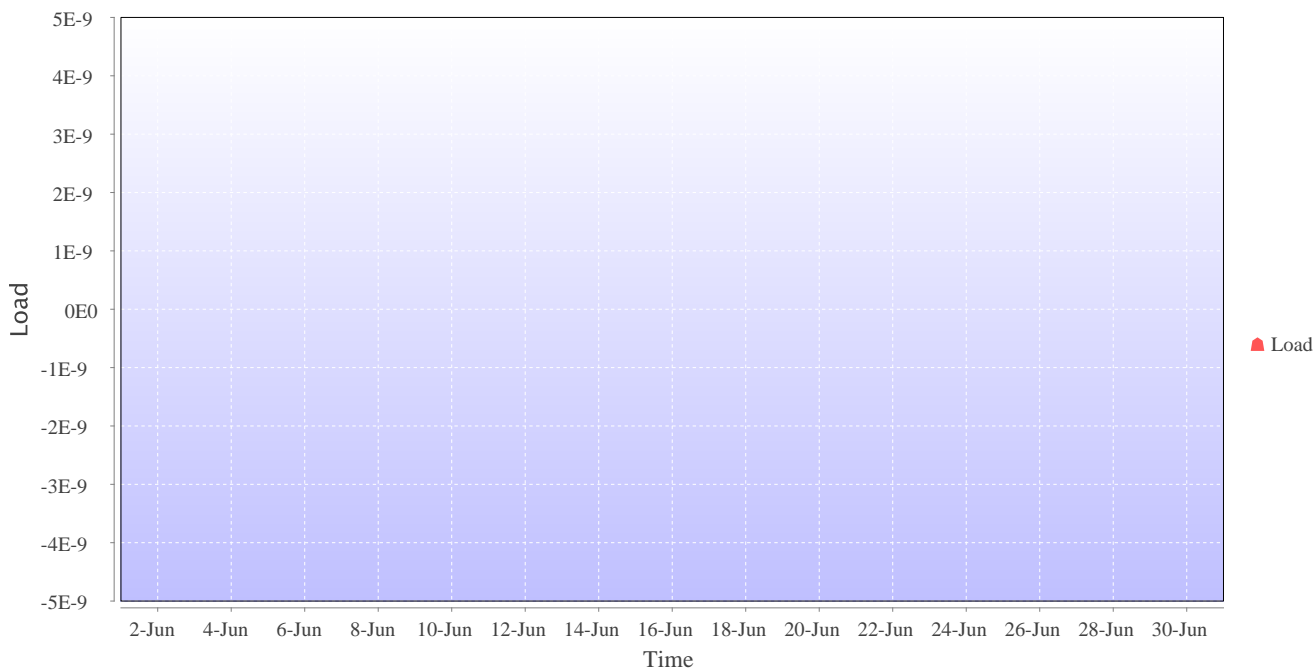
In the following table, Charged refers to usage which was charged against the project Allocation; whereas Used refers to usage including uncharged time. Uncharged time can arise from use of the Low Priority queue and/or during times when charging is disabled on the service.

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.

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

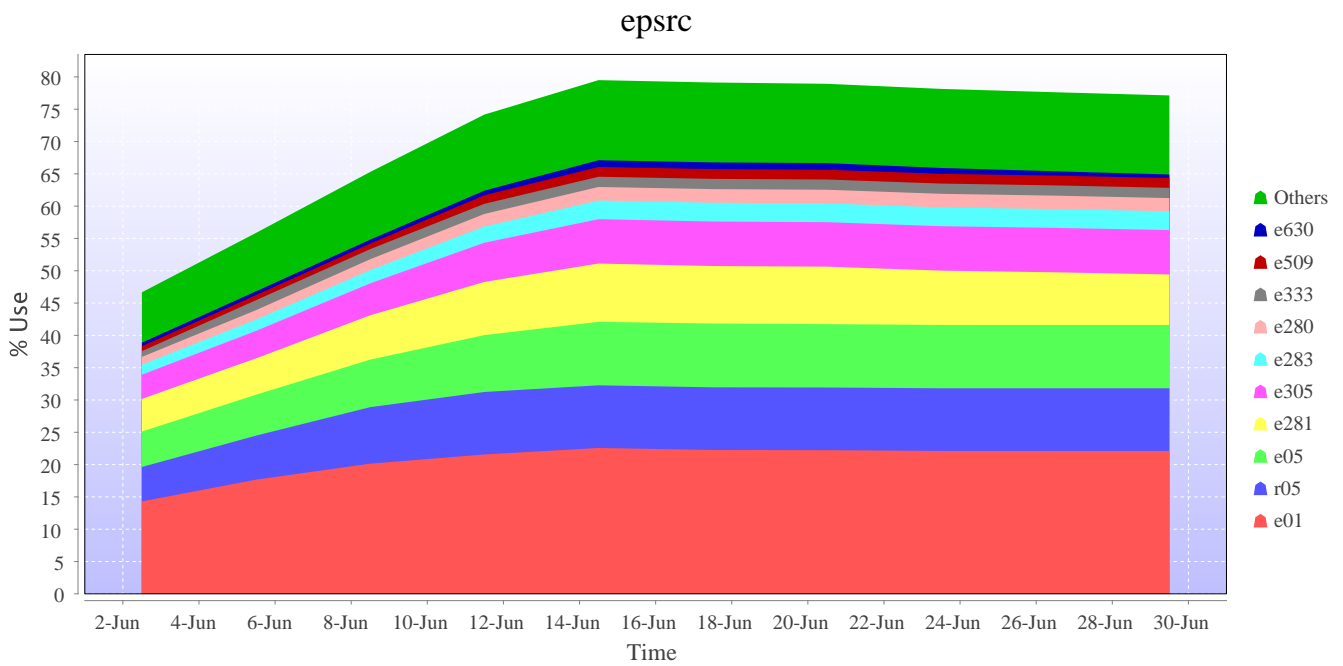


Percentage load on machine

## Disk usage

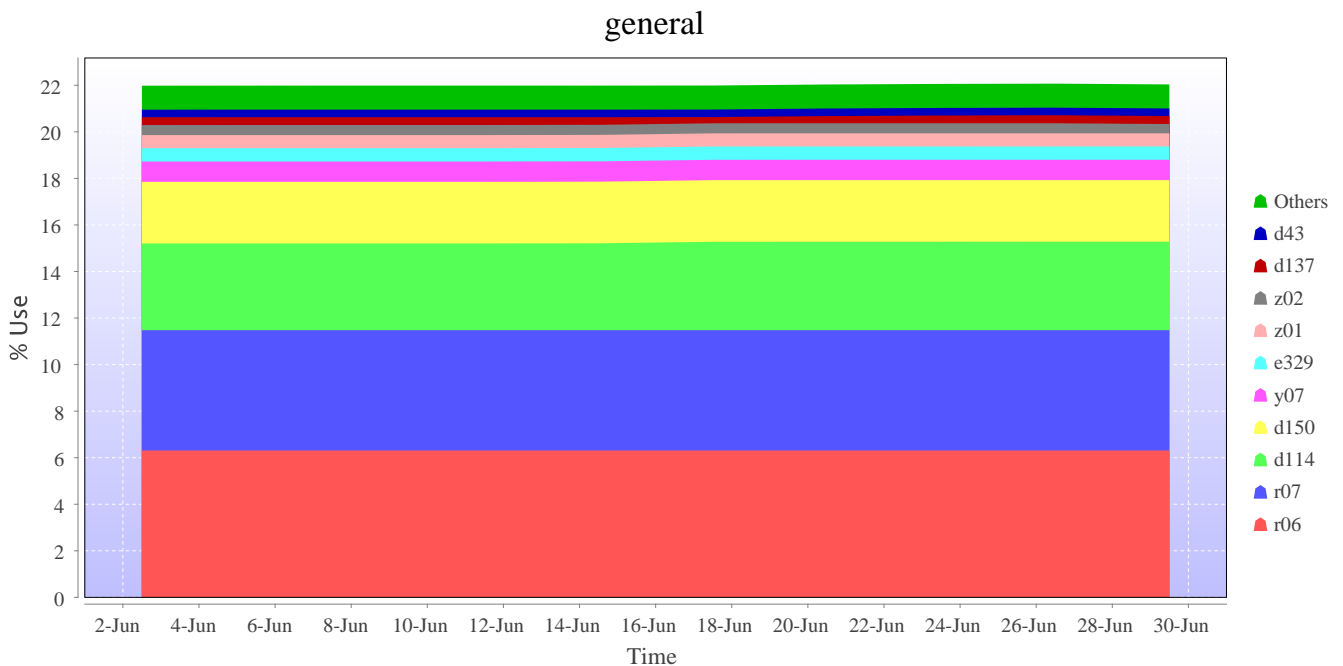
### Disk usage for rdf ( epsrc )

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.



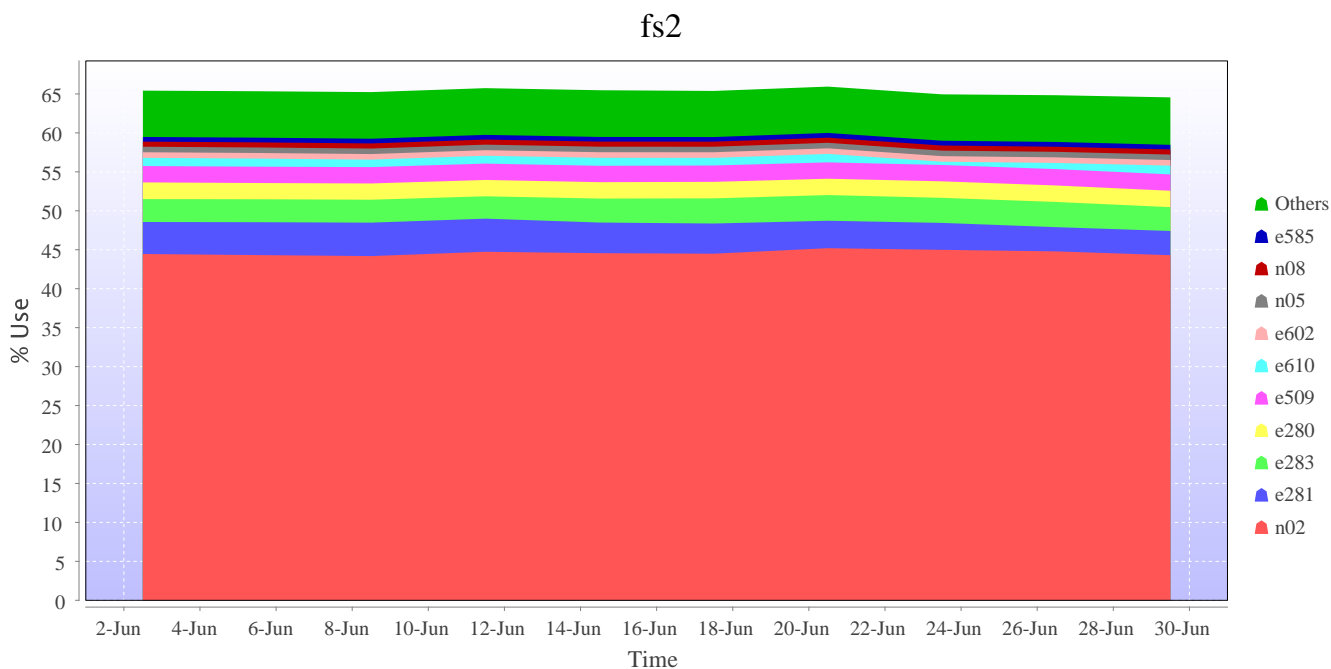
### Disk usage for rdf ( general )

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.



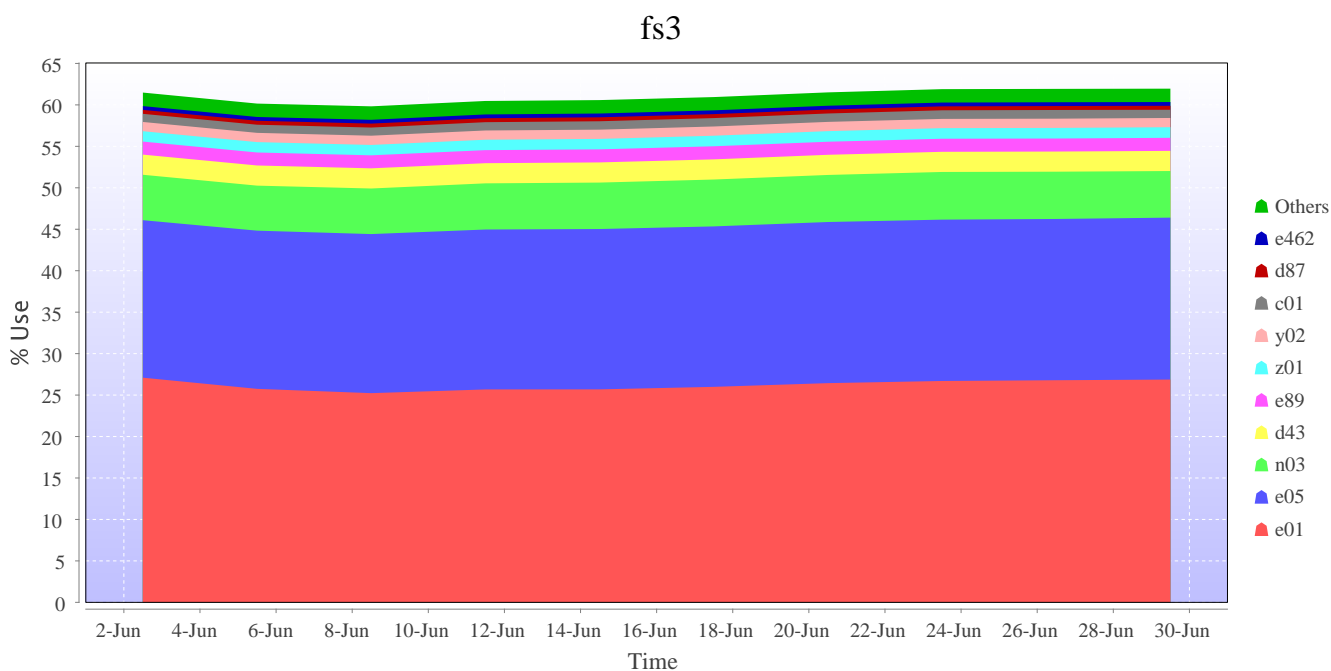
## Disk usage for work ( fs2 )

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.



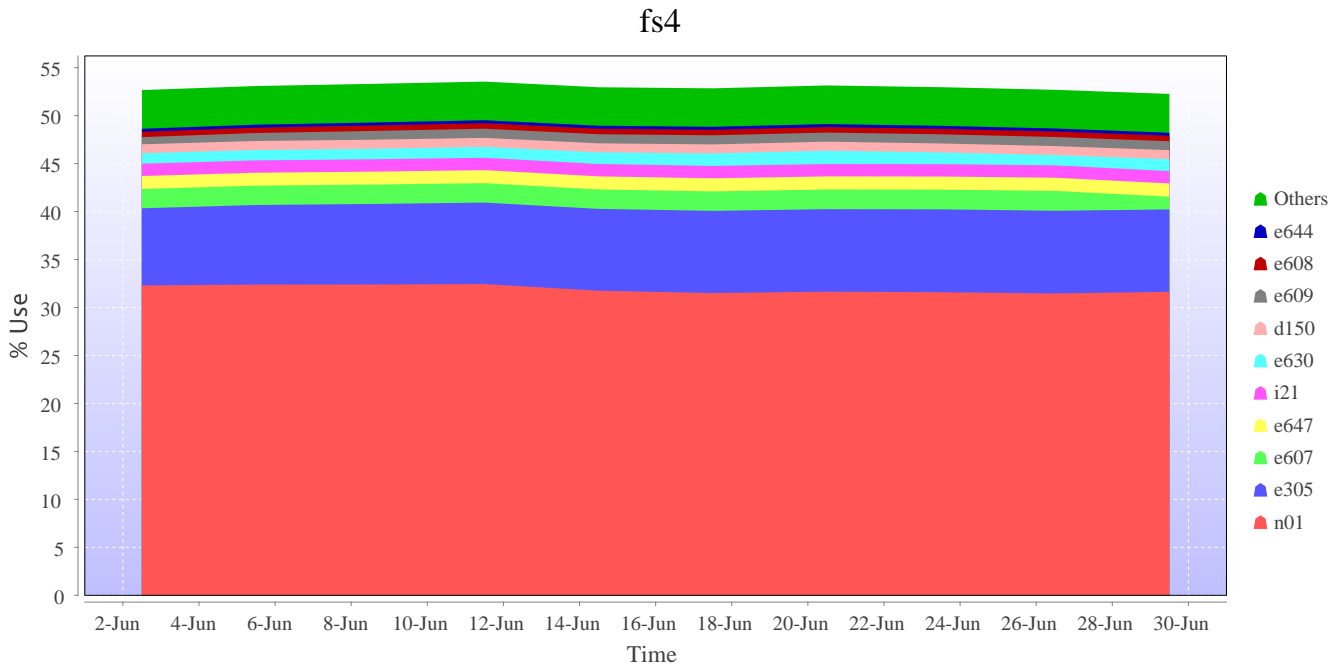
## Disk usage for work ( fs3 )

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.



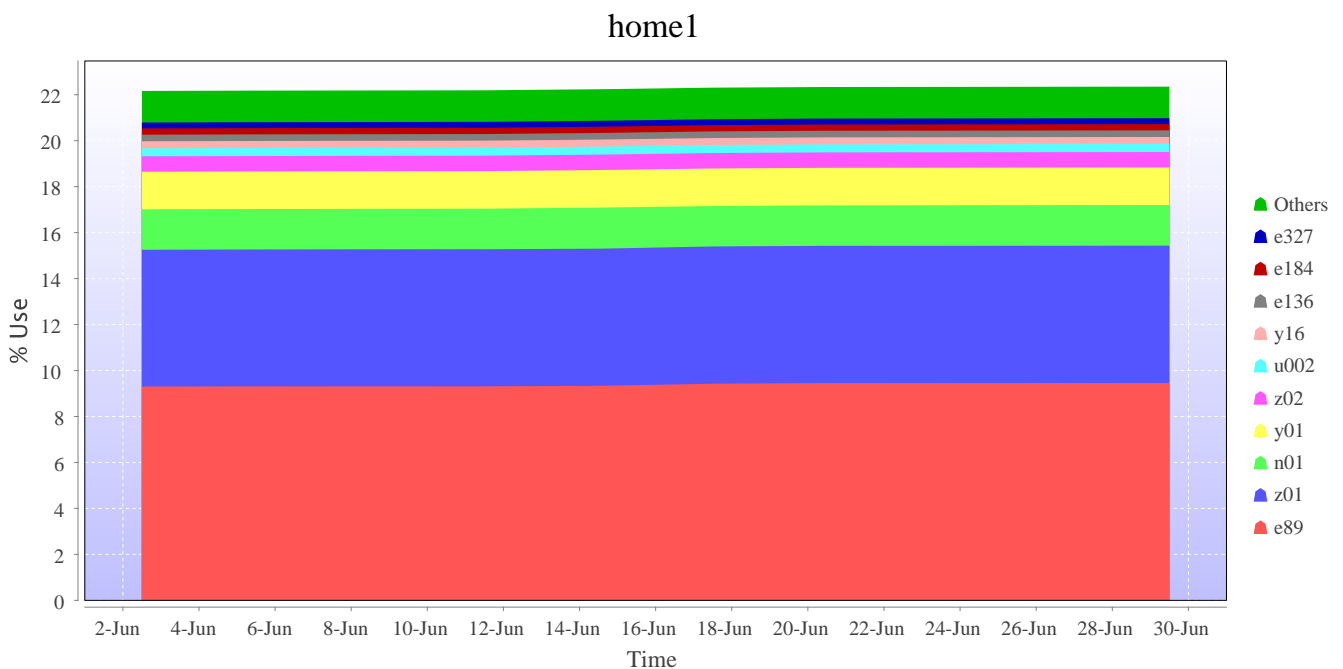
## Disk usage for work ( fs4 )

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.



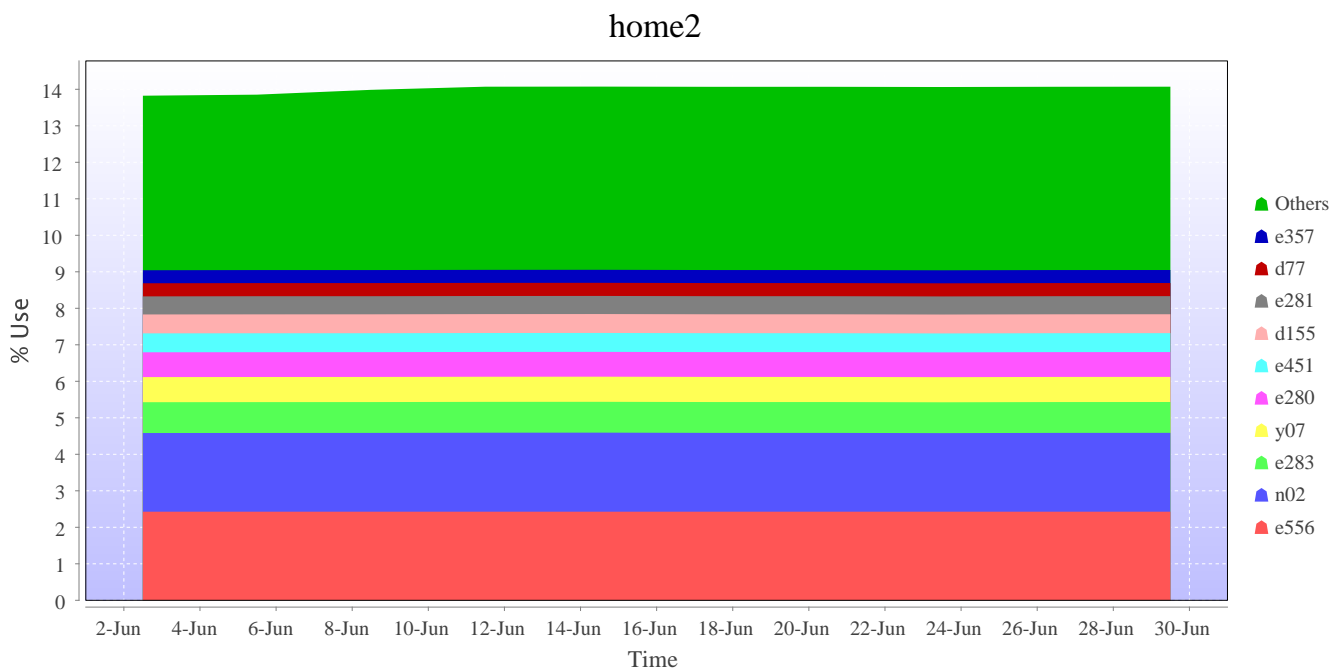
## Disk usage for home ( home1 )

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.



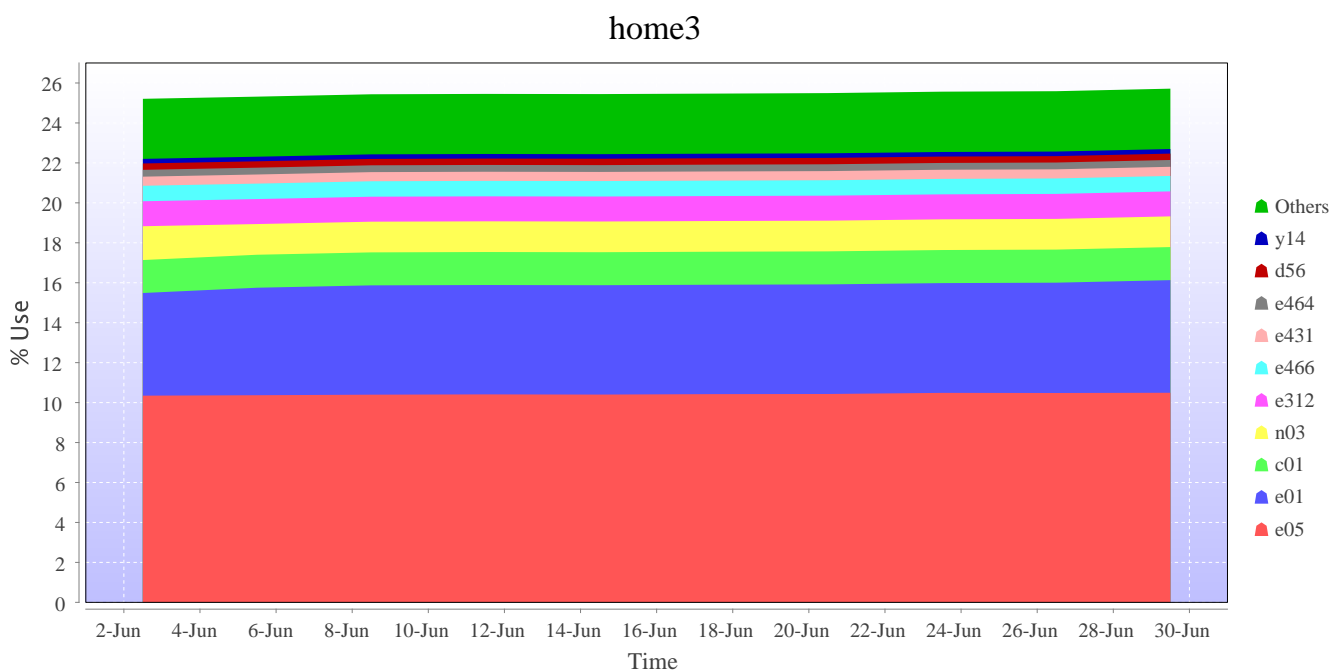
## Disk usage for home ( home2 )

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.



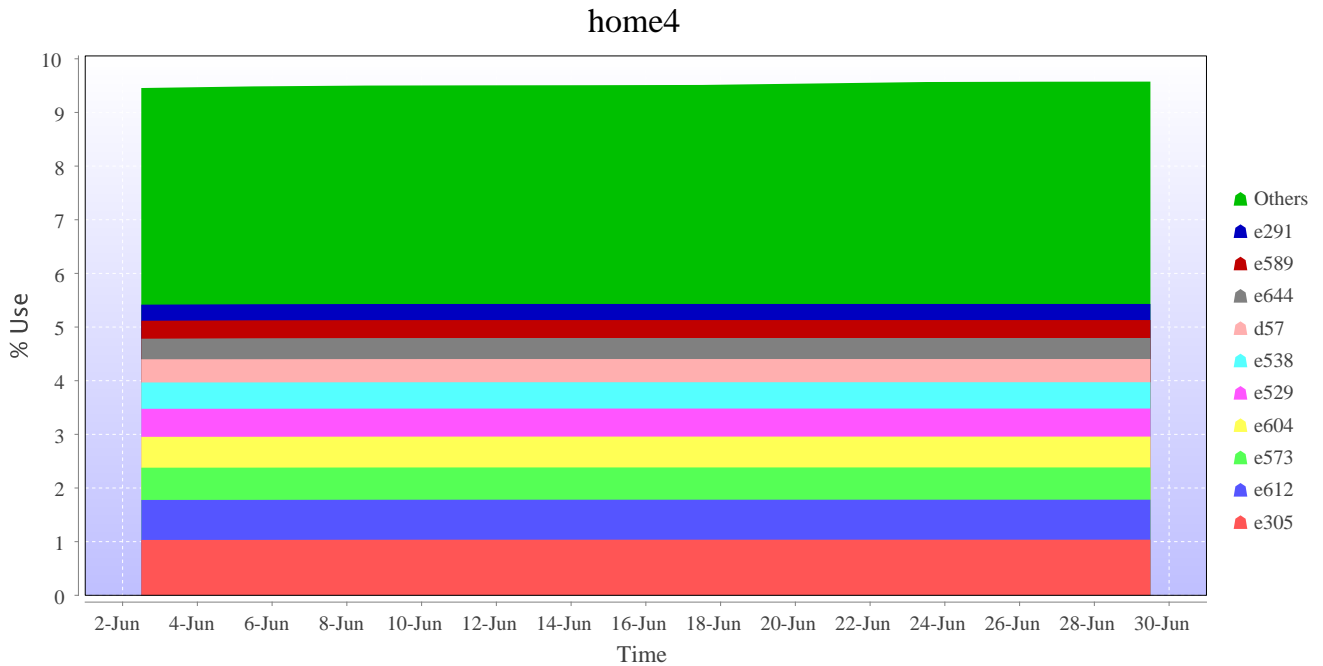
## Disk usage for home ( home3 )

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.



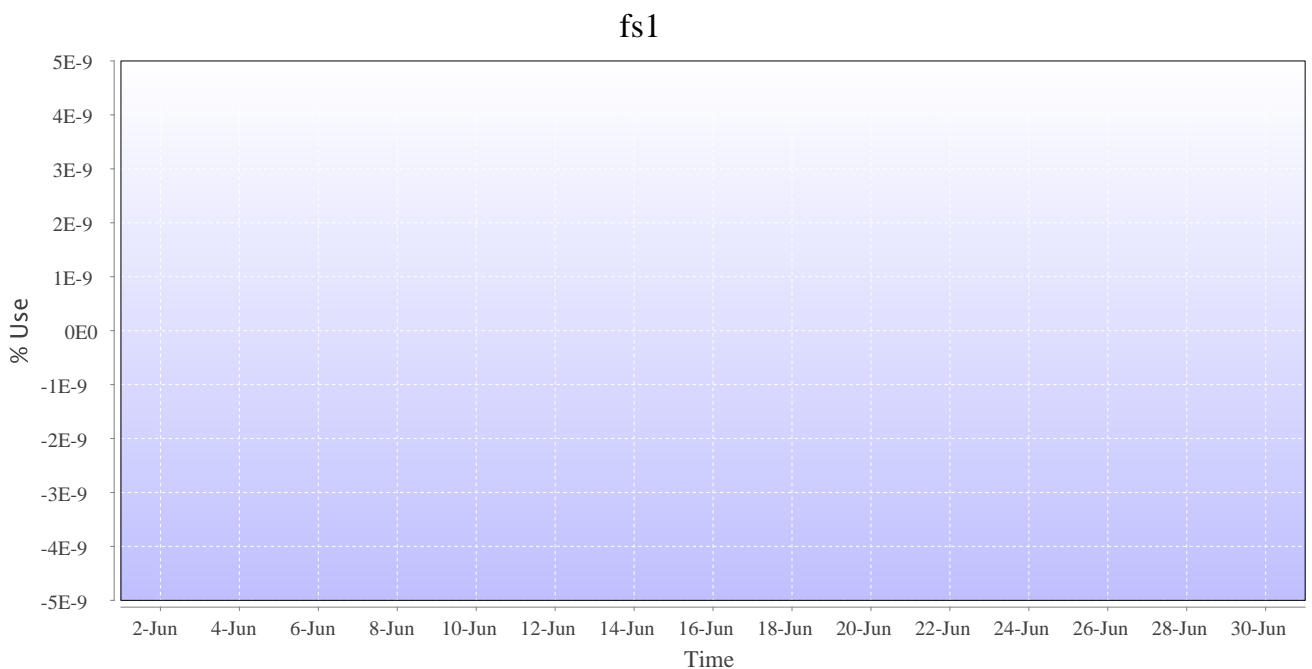
## Disk usage for home ( home4 )

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.



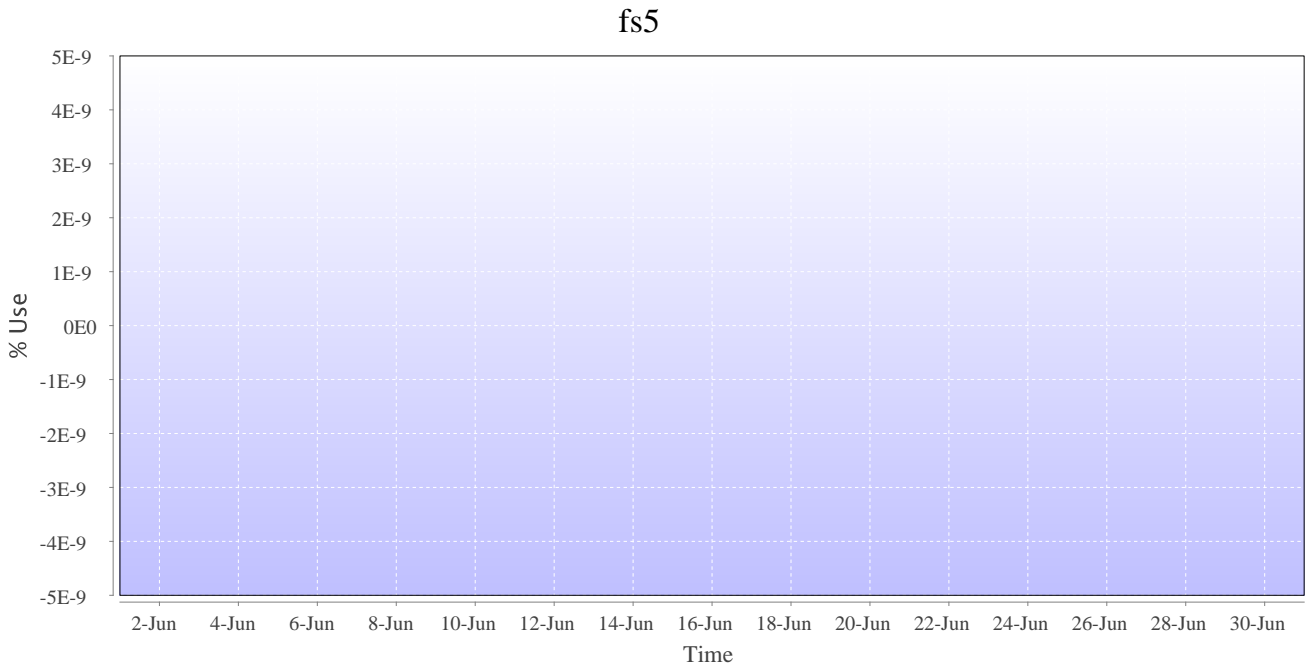
## Disk usage for tdswork ( fs1 )

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.



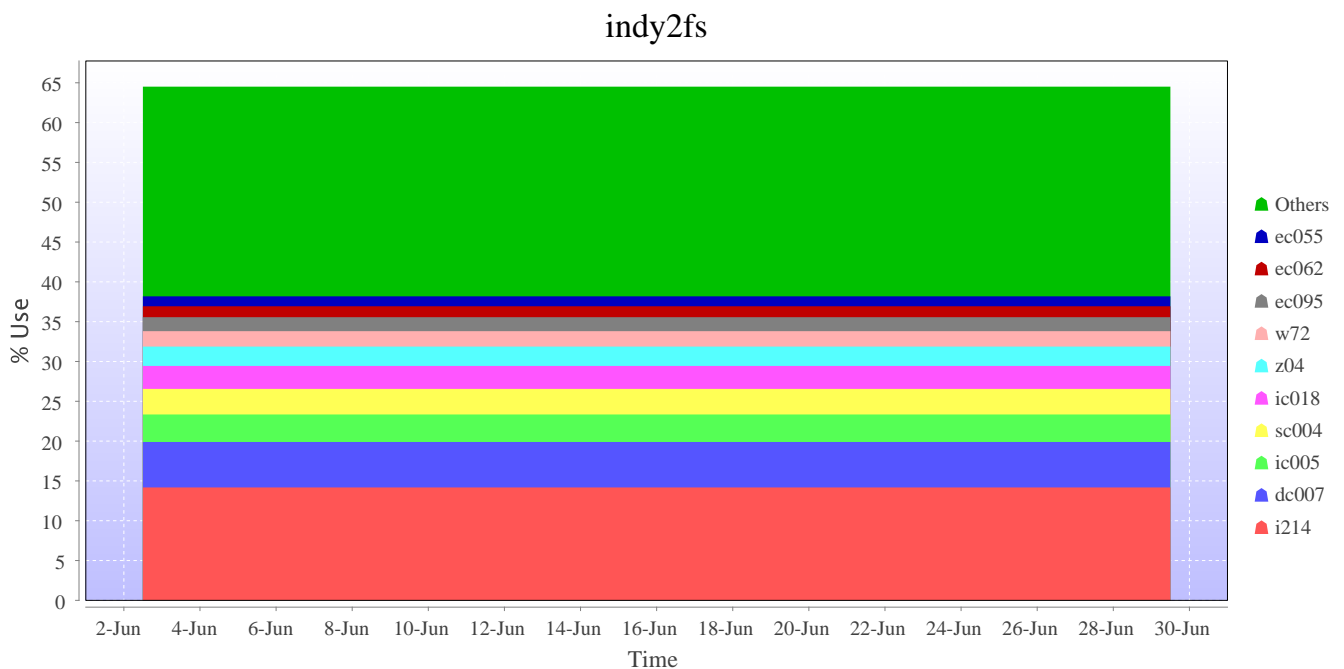
## Disk usage for knlwork ( fs5 )

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.

