

Monthly Reporting

Report from 01 July 2024 to 31 July 2024

Report for Resource Pool Archer2 on archer2

A total of 4,350,912 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.

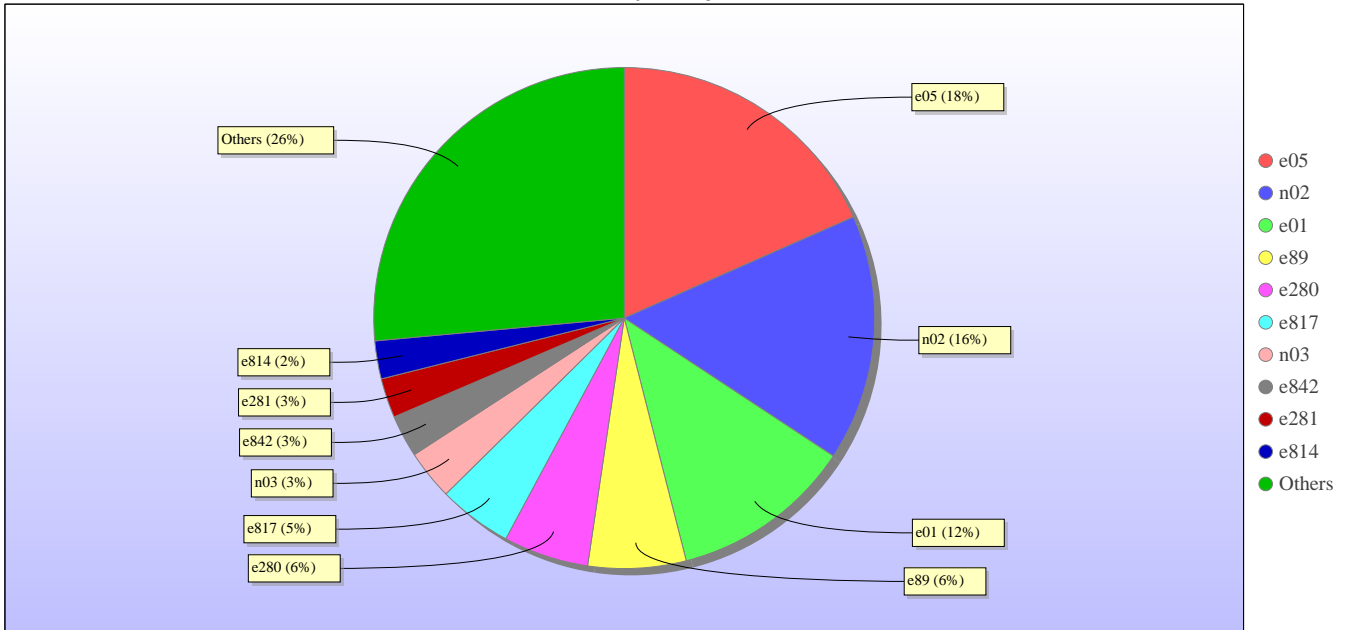
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e645	Leadership Awards	53	273.4	0.01%	273.4	0.01%	21,608.9	0.50%
e760	Leadership Awards	92	155.8	0.00%	156.5	0.00%	663.9	0.02%
e786	Leadership Awards	40	589.2	0.01%	589.2	0.01%	9,605.4	0.22%
e787	Leadership Awards	286	40,237.6	0.92%	40,558.4	0.93%	42,123.0	0.97%
e861	Leadership Awards	0	0.0	0.00%	0.0	0.00%	0.0	0.00%
e862	Leadership Awards	0	0.0	0.00%	0.0	0.00%	730.3	0.02%
e686	Pioneer Projects	709	29,002.7	0.67%	38,461.1	0.88%	11,706.6	0.27%
e731	Pioneer Projects	352	73,845.6	1.70%	74,126.1	1.70%	25,555.3	0.59%
e744	Pioneer Projects	245	65,744.3	1.51%	94,531.3	2.17%	17,254.9	0.40%
e808	Pioneer Projects	334	10,867.7	0.25%	25,750.6	0.59%	7,123.2	0.16%
e809	Pioneer Projects	288	23,293.2	0.54%	23,415.5	0.54%	27,259.0	0.63%
e810	Pioneer Projects	63	18,389.5	0.42%	64,618.5	1.49%	33,630.8	0.77%
e812	Pioneer Projects	157	15,156.7	0.35%	15,156.7	0.35%	14,924.3	0.34%
e813	Pioneer Projects	429	24,599.1	0.57%	24,757.1	0.57%	25,555.3	0.59%
e814	Pioneer Projects	110	102,617.2	2.36%	102,617.2	2.36%	25,555.3	0.59%
e815	Pioneer Projects	147	15,457.9	0.36%	15,457.9	0.36%	22,488.7	0.52%
e817	Pioneer Projects	411	196,868.1	4.52%	199,794.4	4.59%	77,994.8	1.79%
c01	Class1a	857	6,825.6	0.16%	6,825.6	0.16%	24,757.5	0.57%
e348	Class1a	16,943	29,714.4	0.68%	29,821.2	0.69%	31,358.1	0.72%
e609	Class1a	666	380.7	0.01%	381.4	0.01%	14,092.1	0.32%
e643	Class1a	139	20,729.8	0.48%	20,729.8	0.48%	20,444.2	0.47%
e647	Class1a	104	212.0	0.00%	212.0	0.00%	14,786.1	0.34%
e694	Class1a	0	0.0	0.00%	0.0	0.00%	2,865.1	0.07%
e697	Class1a	94	24,770.8	0.57%	31,327.6	0.72%	3,615.4	0.08%
e701	Class1a	0	0.0	0.00%	0.0	0.00%	868.9	0.02%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e705	Class1a	11	1,718.8	0.04%	1,718.8	0.04%	3,717.8	0.09%
e707	Class1a	3	4.1	0.00%	4.1	0.00%	11,113.7	0.26%
e710	Class1a	948	5,702.9	0.13%	5,722.5	0.13%	3,620.8	0.08%
e712	Class1a	10	2,481.2	0.06%	2,481.2	0.06%	16,844.0	0.39%
e720	Class1a	3,102	64,959.2	1.49%	65,015.0	1.49%	36,383.1	0.84%
e721	Class1a	71	235.4	0.01%	237.5	0.01%	2,245.3	0.05%
e728	Class1a	111	614.5	0.01%	614.5	0.01%	1,957.1	0.04%
e751	Class1a	200	10,653.8	0.24%	10,653.8	0.24%	5,107.7	0.12%
e752	Class1a	474	1,795.0	0.04%	2,840.9	0.07%	3,537.2	0.08%
e758	Class1a	6	12.4	0.00%	12.4	0.00%	4,656.3	0.11%
e763	Class1a	132	2,659.0	0.06%	2,659.0	0.06%	5,111.1	0.12%
e764	Class1a	0	0.0	0.00%	0.0	0.00%	7,486.4	0.17%
e767	Class1a	6	0.0	0.00%	0.0	0.00%	11,857.9	0.27%
e769	Class1a	203	20,248.9	0.47%	20,296.5	0.47%	22,627.7	0.52%
e770	Class1a	0	0.0	0.00%	0.0	0.00%	11,796.1	0.27%
e793	Class1a	210	8,104.5	0.19%	8,104.5	0.19%	28,284.7	0.65%
e820	Class1a	102	2,241.4	0.05%	2,241.4	0.05%	17,091.9	0.39%
e821	Class1a	0	0.0	0.00%	0.0	0.00%	3,556.6	0.08%
e835	Class1a	49	745.4	0.02%	745.4	0.02%	9,563.4	0.22%
e838	Class1a	0	0.0	0.00%	0.0	0.00%	8,422.0	0.19%
e855	Class1a	135	462.7	0.01%	462.7	0.01%	8,380.3	0.19%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,185.8	0.03%
e01	Consortia	103,808	363,306.0	8.35%	491,561.5	11.30%	345,335.9	7.94%
e05	Consortia	34,101	567,000.5	13.03%	770,211.4	17.70%	779,035.5	17.91%
e89	Consortia	22,851	246,806.5	5.67%	264,868.7	6.09%	374,273.9	8.60%
e280	Consortia	4,777	163,883.0	3.77%	230,395.9	5.30%	210,550.1	4.84%
e281	Consortia	2,001	90,068.1	2.07%	106,855.8	2.46%	117,908.1	2.71%
e283	Consortia	5,718	76,809.6	1.77%	78,918.6	1.81%	66,197.0	1.52%
e772	Consortia	1,755	76,443.2	1.76%	76,686.5	1.76%	63,165.0	1.45%
e773	Consortia	495	15,647.5	0.36%	15,647.5	0.36%	31,176.2	0.72%
e718	Pump Priming	0	0.0	0.00%	0.0	0.00%	677.6	0.02%
e818	Pump Priming	0	0.0	0.00%	0.0	0.00%	4,164.8	0.10%
e853	Pump Priming	57	72.8	0.00%	72.8	0.00%	225.0	0.01%
e856	Pump Priming	210	1,603.5	0.04%	1,625.9	0.04%	646.4	0.01%
e857	Pump Priming	137	1,118.6	0.03%	1,118.6	0.03%	677.6	0.02%
e858	Pump Priming	16	0.0	0.00%	63,107.5	1.45%	1.9	0.00%
e859	Pump Priming	0	0.0	0.00%	0.0	0.00%	619.9	0.01%
e703	Access to HPC	25	1.8	0.00%	1.8	0.00%	4,853.3	0.11%
e734	Access to HPC	82	584.4	0.01%	584.4	0.01%	8,688.6	0.20%
e742	Access to HPC	67	11,220.0	0.26%	11,220.0	0.26%	4,956.6	0.11%
e743	Access to HPC	429	24.2	0.00%	8,908.8	0.20%	1.2	0.00%
e755	Access to HPC	0	0.0	0.00%	0.0	0.00%	0.7	0.00%
e779	Access to HPC	37	644.4	0.01%	644.4	0.01%	2,375.0	0.05%
e781	Access to HPC	479	2,540.4	0.06%	2,540.4	0.06%	8,021.0	0.18%
e789	Access to HPC	18	2,775.9	0.06%	2,775.9	0.06%	9,852.1	0.23%
e795	Access to HPC	0	0.0	0.00%	0.0	0.00%	577.6	0.01%
e806	Access to HPC	1	0.0	0.00%	0.0	0.00%	760.6	0.02%
e807	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,388.0	0.08%
e822	Access to HPC	0	0.0	0.00%	0.0	0.00%	6,164.0	0.14%
e827	Access to HPC	6	5,333.5	0.12%	5,333.5	0.12%	7,005.9	0.16%
e829	Access to HPC	248	5,139.8	0.12%	5,139.8	0.12%	6,671.7	0.15%
e830	Access to HPC	26	7,284.1	0.17%	7,284.1	0.17%	16,578.3	0.38%
e840	Access to HPC	105	991.7	0.02%	991.7	0.02%	5,264.9	0.12%
e842	Access to HPC	1,125	25,280.8	0.58%	113,952.2	2.62%	12,851.8	0.30%
e843	Access to HPC	791	1,940.3	0.04%	3,203.0	0.07%	9,348.6	0.21%
e844	Access to HPC	95	5,734.3	0.13%	5,734.3	0.13%	5,263.8	0.12%
e845	Access to HPC	876	28,045.9	0.64%	28,182.3	0.65%	13,906.4	0.32%
e846	Access to HPC	1,740	38,895.1	0.89%	38,924.8	0.89%	23,581.6	0.54%
e847	Access to HPC	76	938.3	0.02%	938.3	0.02%	2,021.3	0.05%
e848	Access to HPC	33	602.2	0.01%	602.2	0.01%	5,474.3	0.13%
e850	Access to HPC	1,562	14,862.7	0.34%	14,862.7	0.34%	17,180.9	0.39%
e851	Access to HPC	123	13,751.0	0.32%	13,831.4	0.32%	75,798.1	1.74%
e852	Access to HPC	82	4,004.4	0.09%	4,004.4	0.09%	1,631.7	0.04%

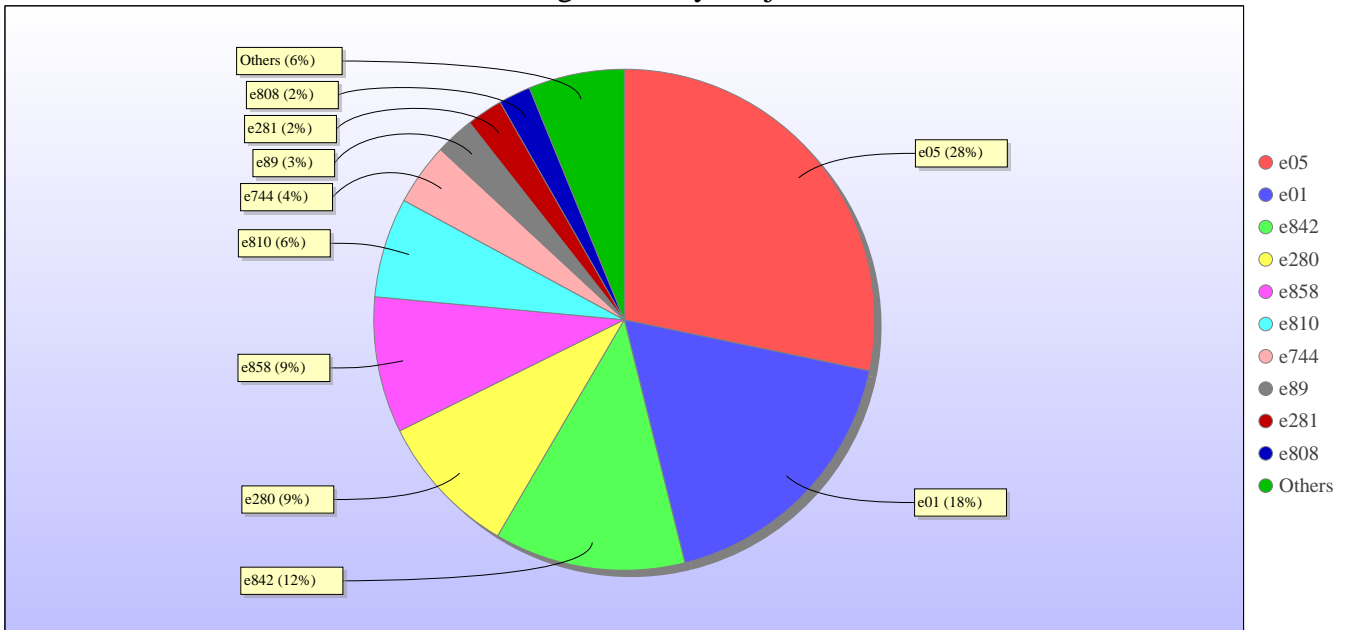
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e854	Access to HPC	2	0.0	0.00%	193.2	0.00%	7.4	0.00%
EPSRC Total		212,246	2,595,725.3	59.66%	3,304,296.3	75.94%	2,947,994.2	67.76%
n01	Consortia	3,752	39,254.2	0.90%	39,589.8	0.91%	83,063.0	1.91%
n02	Consortia	84,734	656,733.3	15.09%	665,595.5	15.30%	601,060.3	13.81%
n03	Consortia	3,023	134,453.7	3.09%	134,502.2	3.09%	77,457.5	1.78%
NERC Total		91,509	830,441.1	19.09%	839,687.5	19.30%	761,580.8	17.50%
b19	Class1a	0	0.0	0.00%	0.0	0.00%	3,152.3	0.07%
BBSRC Total		0	0.0	0.00%	0.0	0.00%	3,152.3	0.07%
e756	Leadership Awards	59	92.8	0.00%	92.8	0.00%	5,080.8	0.12%
e723	Class1a	1,822	9,435.7	0.22%	9,435.7	0.22%	39,598.5	0.91%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	17,036.9	0.39%
e860	Class1a	0	0.0	0.00%	0.0	0.00%	673.9	0.02%
UKRI Total		1,881	9,528.5	0.22%	9,528.5	0.22%	62,390.1	1.43%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	58.9	0.00%
ecseag06	eCSE	280	88.4	0.00%	88.6	0.00%	42.8	0.00%
ecseag09	eCSE	4	0.8	0.00%	0.8	0.00%	62.7	0.00%
ecseah01	eCSE	71	1.7	0.00%	1.7	0.00%	101.8	0.00%
ecseah05	eCSE	828	44.2	0.00%	51.2	0.00%	54.4	0.00%
ecseah10	eCSE	0	0.0	0.00%	0.0	0.00%	523.6	0.01%
ecseah12	eCSE	0	0.0	0.00%	0.0	0.00%	95.9	0.00%
ecseai04	eCSE	0	0.0	0.00%	0.0	0.00%	104.0	0.00%
ecseai05	eCSE	0	0.0	0.00%	0.0	0.00%	124.6	0.00%
ecseai10	eCSE	0	0.0	0.00%	0.0	0.00%	95.9	0.00%
ecseai12	eCSE	0	0.0	0.00%	0.0	0.00%	58.9	0.00%
ecseaj02	eCSE	289	48.8	0.00%	51.3	0.00%	59.3	0.00%
ecseak01	eCSE	0	0.0	0.00%	0.0	0.00%	62.9	0.00%
ecseak02	eCSE	0	0.0	0.00%	0.0	0.00%	141.0	0.00%
ecseak03	eCSE	22	1.5	0.00%	7.1	0.00%	67.9	0.00%
ecseak05	eCSE	3	0.1	0.00%	0.1	0.00%	125.7	0.00%
ecseak07	eCSE	8	144.7	0.00%	144.7	0.00%	84.7	0.00%
ecseak09	eCSE	0	0.0	0.00%	0.0	0.00%	71.7	0.00%
ecseak10	eCSE	0	0.0	0.00%	0.0	0.00%	96.5	0.00%
ecseak11	eCSE	124	9.4	0.00%	9.4	0.00%	195.2	0.00%
ecseak12	eCSE	1	0.0	0.00%	0.0	0.00%	60.1	0.00%
ecseak14	eCSE	0	0.0	0.00%	0.0	0.00%	166.8	0.00%
ecseak15	eCSE	0	0.0	0.00%	0.0	0.00%	169.9	0.00%
ecseak16	eCSE	0	0.0	0.00%	0.0	0.00%	70.3	0.00%
eCSE Total		1,630	339.6	0.01%	354.9	0.01%	2,695.4	0.06%
d35	Research	212	19.2	0.00%	19.9	0.00%	413.3	0.01%
d011	Research	0	0.0	0.00%	0.0	0.00%	175.6	0.00%
d142	Research	0	0.0	0.00%	0.0	0.00%	4,189.2	0.10%
d183	Research	6	0.4	0.00%	1.6	0.00%	83.3	0.00%
d184	Research	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
d196	Research	0	0.0	0.00%	0.0	0.00%	42.5	0.00%
d197	Research	0	0.0	0.00%	0.0	0.00%	677.4	0.02%
d198	Research	0	0.0	0.00%	0.0	0.00%	28.3	0.00%
d199	Research	0	0.0	0.00%	0.0	0.00%	452.6	0.01%
d435	Research	822	4,649.9	0.11%	4,650.5	0.11%	3,811.5	0.09%
d437	Research	0	0.0	0.00%	0.0	0.00%	423.5	0.01%
i246	Research	51	0.0	0.00%	739.7	0.02%	0.1	0.00%
d195	Industrial	0	0.0	0.00%	0.0	0.00%	83.1	0.00%
d433	Industrial	10	3.3	0.00%	3.3	0.00%	84.7	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	29.0	0.00%
d440	Industrial	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
i01	Industrial	0	0.0	0.00%	0.0	0.00%	714.1	0.02%
i18	Industrial	4	5.5	0.00%	5.5	0.00%	1,122.6	0.03%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
i26	Industrial	30	60.4	0.00%	60.4	0.00%	92.5	0.00%
i29	Industrial	810	643.4	0.01%	643.8	0.01%	1,735.7	0.04%
i239	Industrial	930	2,589.9	0.06%	2,589.9	0.06%	1,299.4	0.03%
i241	Industrial	17	6.7	0.00%	6.7	0.00%	1,588.4	0.04%
i242	Industrial	25	786.5	0.02%	786.5	0.02%	252.0	0.01%

Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
i243	Industrial	0	0.0	0.00%	0.0	0.00%	659.8	0.02%
i244	Industrial	2,245	1,779.0	0.04%	1,779.0	0.04%	878.2	0.02%
i247	Industrial	0	0.0	0.00%	0.0	0.00%	998.8	0.02%
i248	Industrial	67	2,657.9	0.06%	2,657.9	0.06%	6,510.4	0.15%
i250	Industrial	15	24.3	0.00%	24.6	0.00%	95.8	0.00%
i251	Industrial	0	0.0	0.00%	0.0	0.00%	28.9	0.00%
m220l	Training	0	0.0	0.00%	0.0	0.00%	339.2	0.01%
m230c	Training	2,342	1,234.8	0.03%	1,239.8	0.03%	563.0	0.01%
m230l	Training	0	0.0	0.00%	0.0	0.00%	375.3	0.01%
mdisspt	Training	68	4.9	0.00%	4.9	0.00%	184.5	0.00%
ta109	Training	75	85.2	0.00%	85.2	0.00%	557.9	0.01%
ta110	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta111	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta112	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta124	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta125	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta126	Training	0	0.0	0.00%	0.0	0.00%	31.8	0.00%
ta127	Training	5	0.0	0.00%	0.0	0.00%	660.6	0.02%
ta135	Training	15	336.6	0.01%	336.6	0.01%	1,020.7	0.02%
ta136	Training	35	0.0	0.00%	0.0	0.00%	14.7	0.00%
ta156	Training	79	10.6	0.00%	10.6	0.00%	31.8	0.00%
ta157	Training	1	0.0	0.00%	0.0	0.00%	508.2	0.01%
ta158	Training	0	0.0	0.00%	0.0	0.00%	95.0	0.00%
ta159	Training	31	15.2	0.00%	15.6	0.00%	134.0	0.00%
ta160	Training	0	0.0	0.00%	0.0	0.00%	111.8	0.00%
ta161	Training	0	0.0	0.00%	0.0	0.00%	137.3	0.00%
ta162	Training	0	0.0	0.00%	0.0	0.00%	306.9	0.01%
ta163	Training	0	0.0	0.00%	0.0	0.00%	111.3	0.00%
ta164	Training	0	0.0	0.00%	0.0	0.00%	83.1	0.00%
ta165	Training	0	0.0	0.00%	0.0	0.00%	18.3	0.00%
ta166	Training	3	0.0	0.00%	0.0	0.00%	9.7	0.00%
ta167	Training	0	0.0	0.00%	0.0	0.00%	32.5	0.00%
d438	Service	0	0.0	0.00%	0.0	0.00%	5,635.5	0.13%
d439	Service	0	0.0	0.00%	0.0	0.00%	25,409.8	0.58%
y01	Service	0	0.0	0.00%	0.0	0.00%	74.8	0.00%
y02	Service	155	99.9	0.00%	101.0	0.00%	4,235.0	0.10%
y07	Service	12	0.0	0.00%	15.7	0.00%	28.3	0.00%
z02	Service	0	0.0	0.00%	0.0	0.00%	8.5	0.00%
z19	Service	3,892	15,396.3	0.35%	15,743.1	0.36%	42,349.7	0.97%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
DirectorsTime Total		11,957	30,410.1	0.70%	31,521.8	0.72%	109,649.4	2.52%
e825	Pump Priming	5	51.8	0.00%	51.8	0.00%	0.0	0.00%
e828	Access to HPC	4	96.0	0.00%	96.0	0.00%	0.0	0.00%
i18	Industrial	6	12.6	0.00%	12.6	0.00%	0.0	0.00%
e801	Access to HPC	4	606.9	0.01%	606.9	0.01%	0.0	0.00%
e802	Access to HPC	2	2,231.6	0.05%	2,231.6	0.05%	0.0	0.00%
Total		21	2,998.9	0.07%	2,998.9	0.07%	0.0	0.00%
Total		319,244	3,469,443.6	79.74%	4,188,387.9	96.26%	3,887,462.3	89.35%

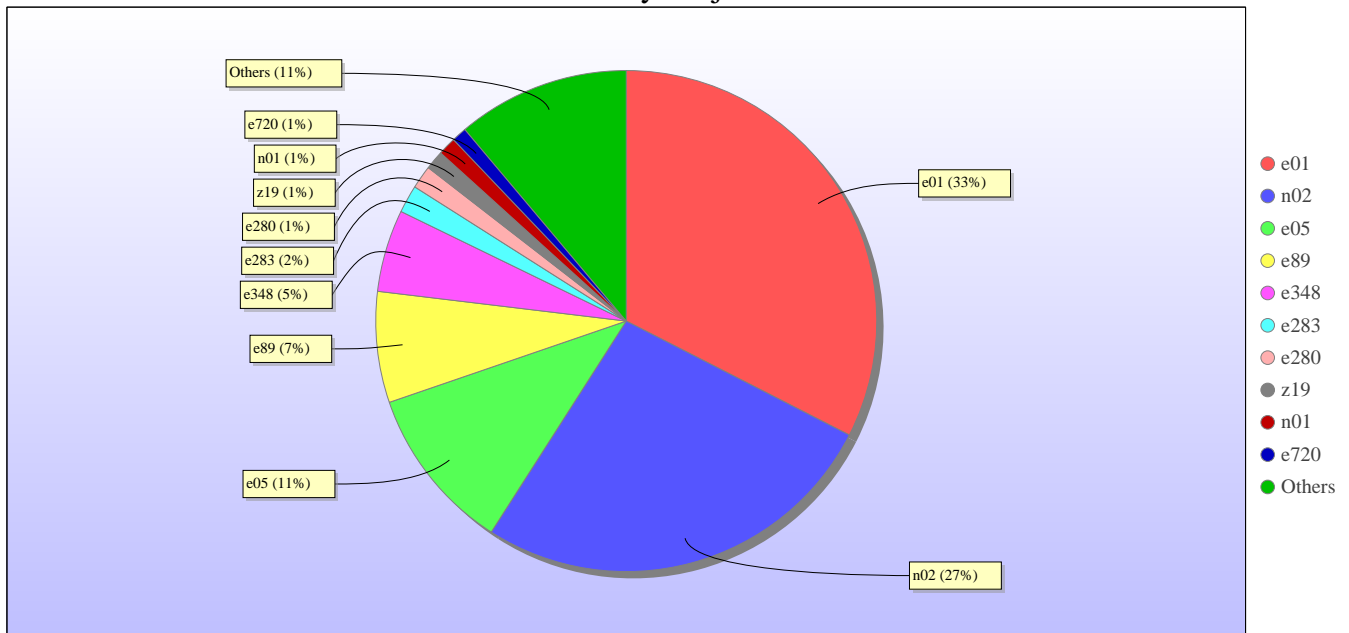
Use by Project



Uncharged Use by Project



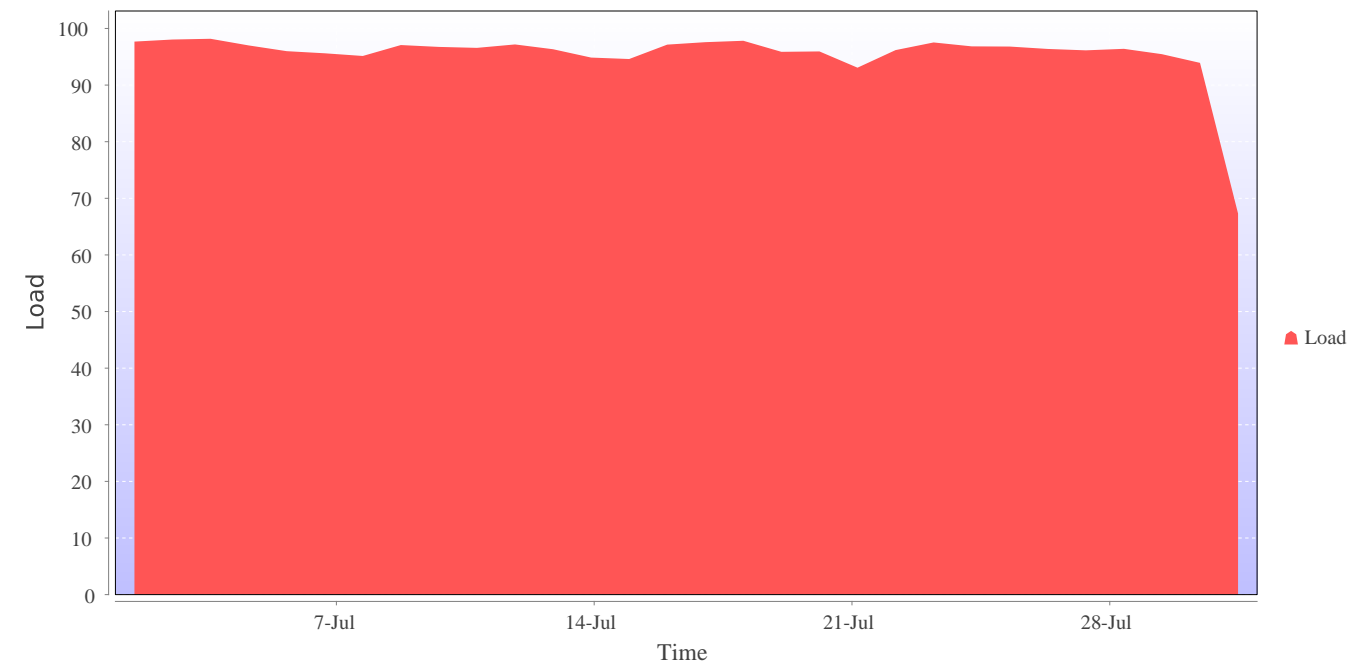
Jobs by Project



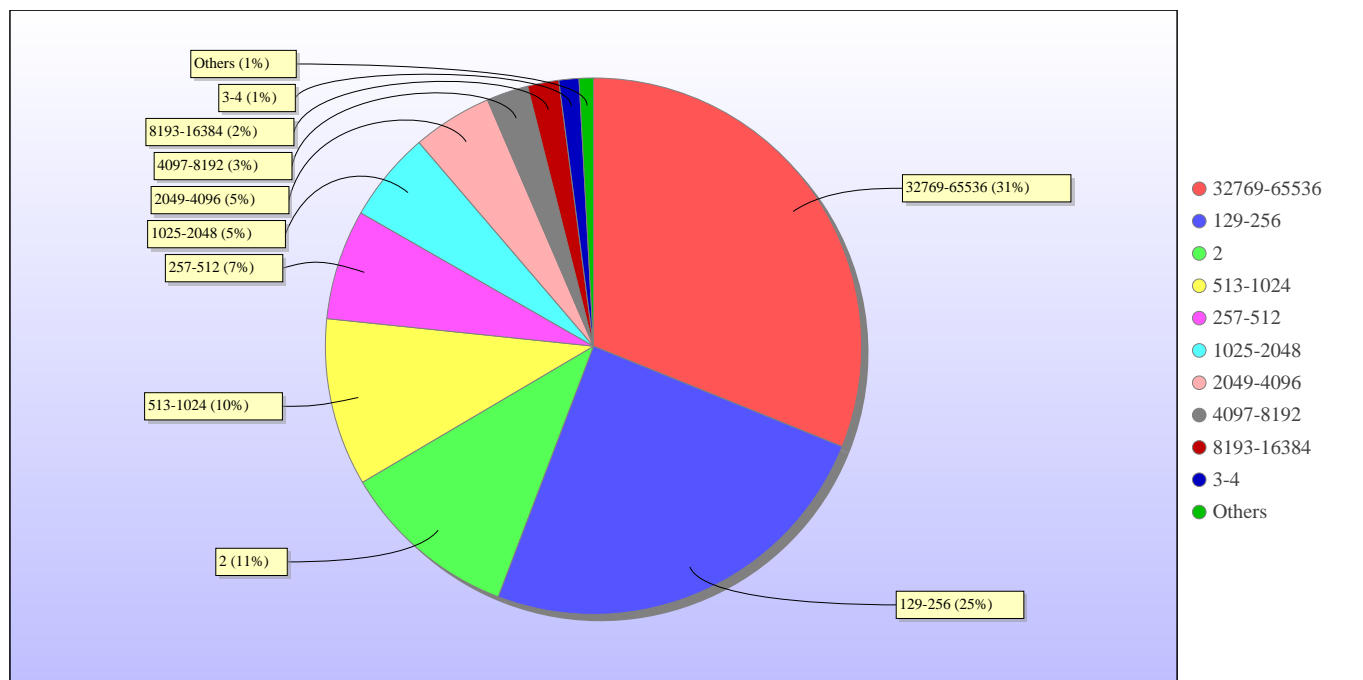
CUs (by Size)

Size	CUs	Number of Jobs
2	0	34,279
3-4	0	3,860
5-8	0	848
9-16	0	212
17-32	0	535
33-64	0	154
129-256	205,348.71	78,784
257-512	127,914.546	21,192
513-1024	332,929.197	32,292
1025-2048	384,889.83	17,390
2049-4096	510,637.672	15,340
4097-8192	376,431.848	8,026
8193-16384	841,599.688	6,014
16385-32768	295,885.965	765
32769-65536	256,048.686	99,315
65537-131072	120,085.012	170
131073-262144	12,562.64	65
262145-524288	5,109.76	2
524289-1048576	0	1

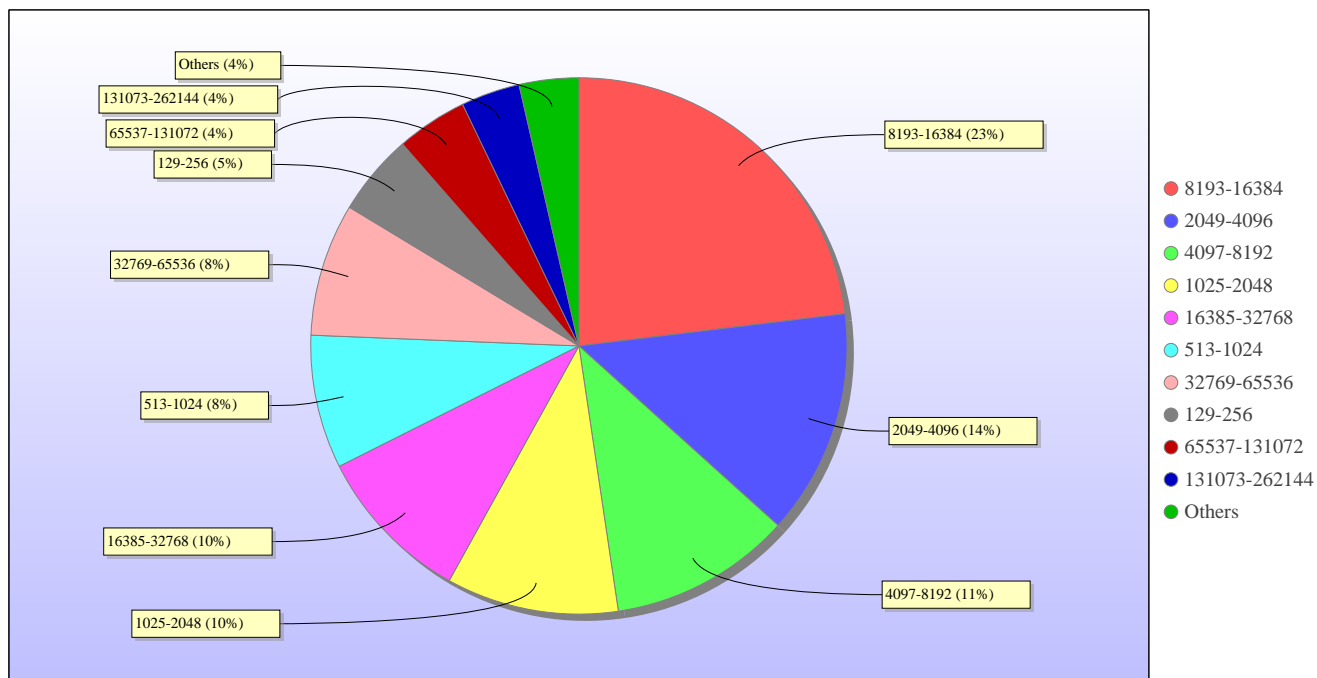
Load plots



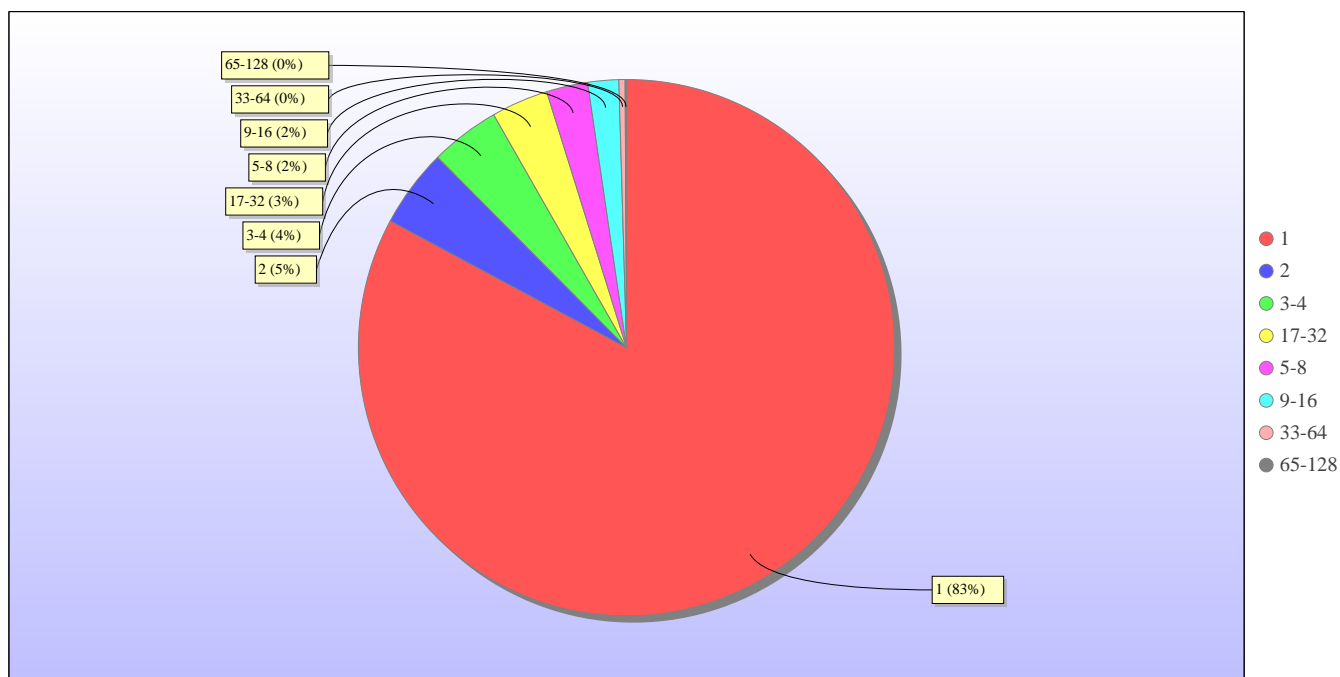
Percentage load on machine



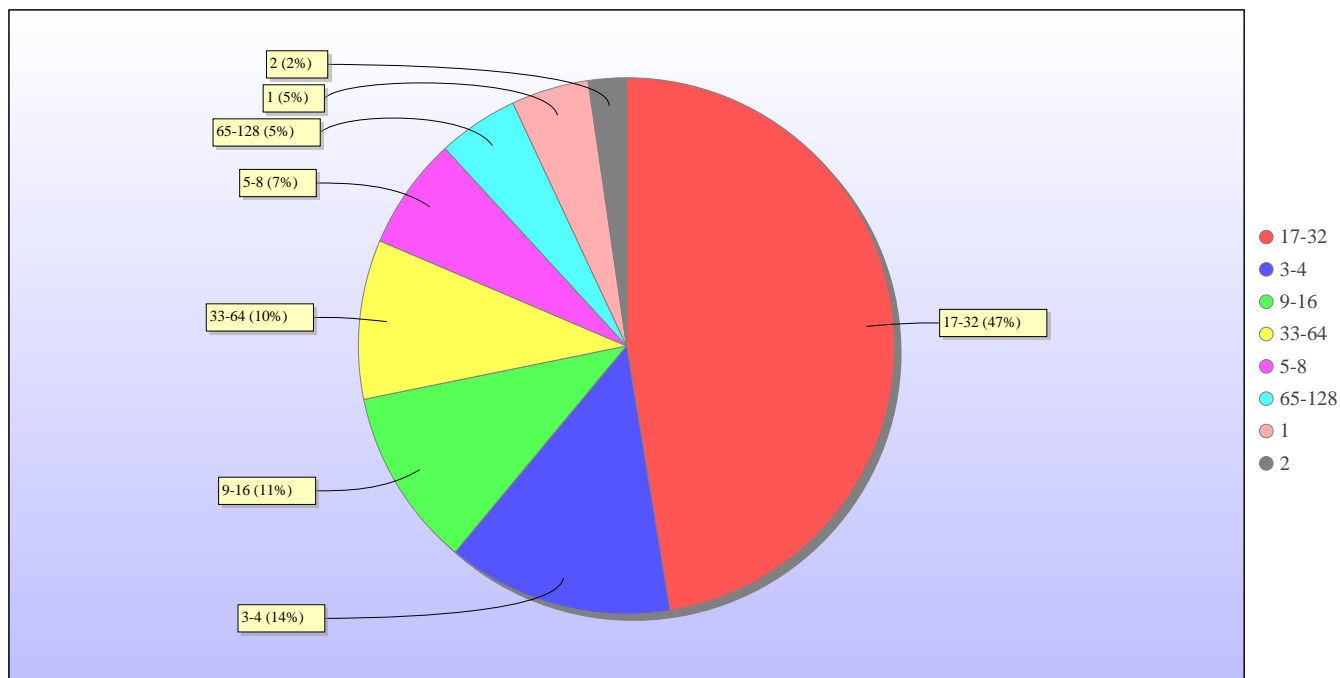
Jobs by Size



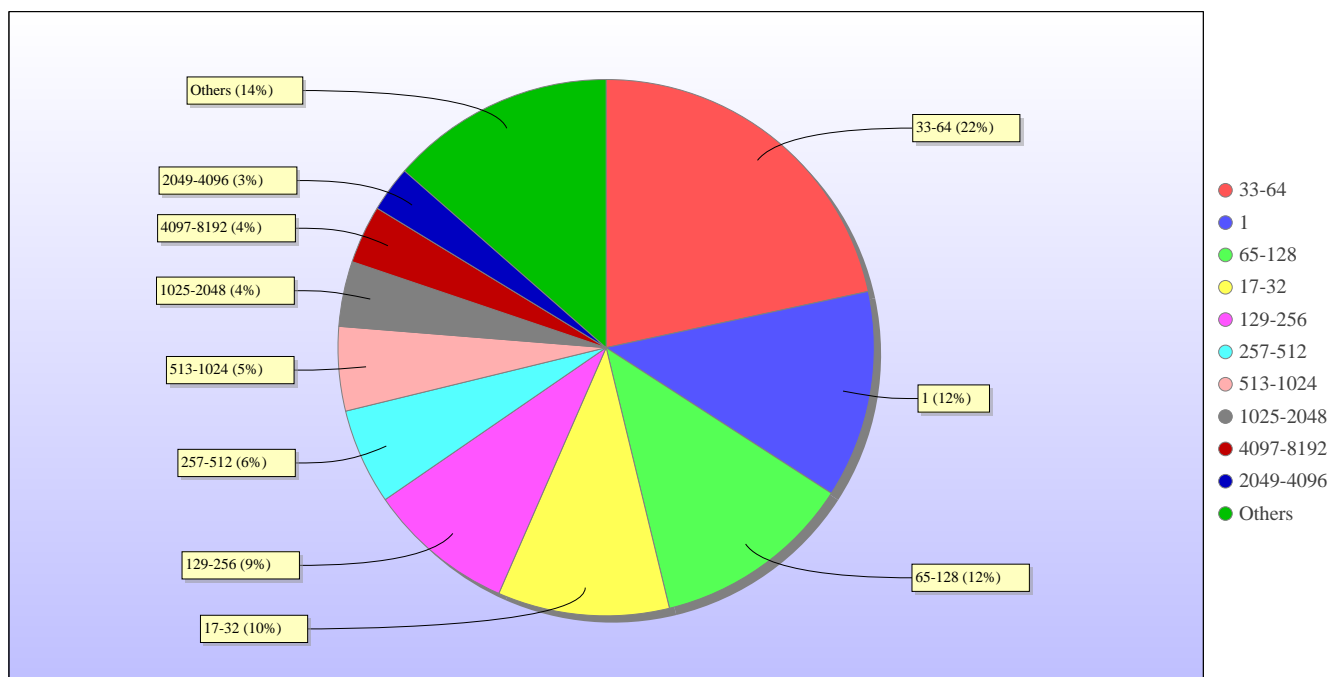
CUs used by Size



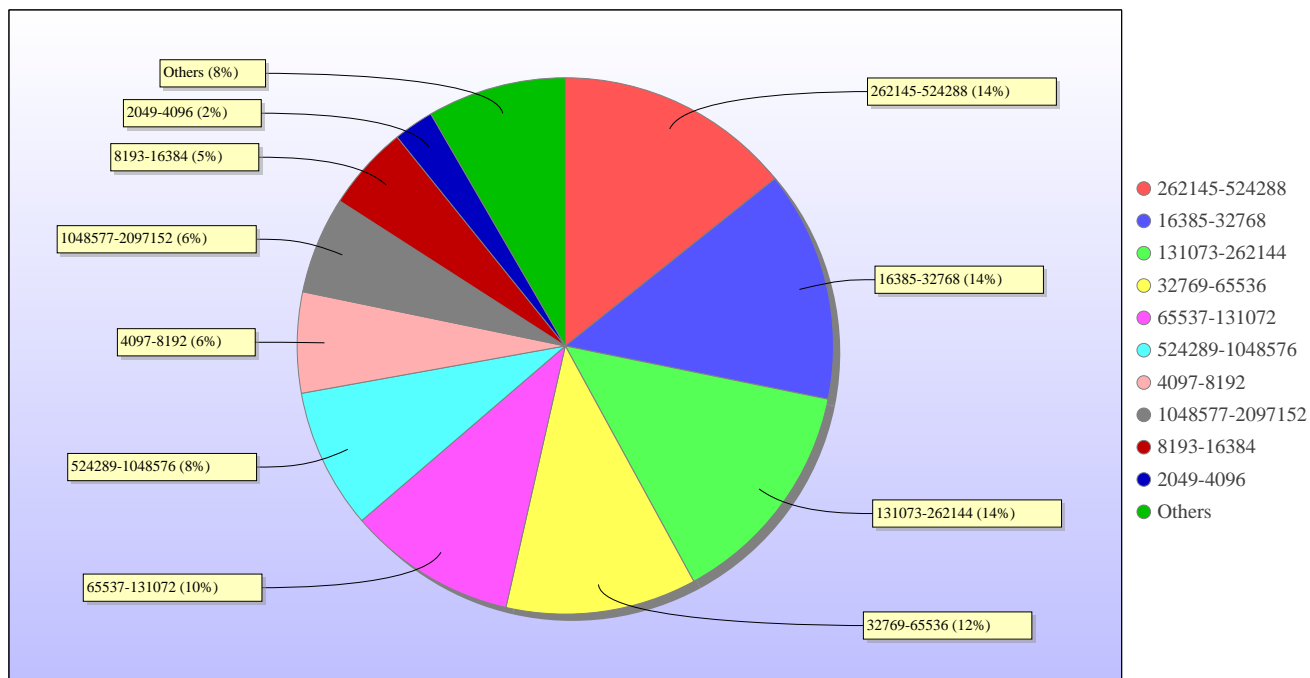
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

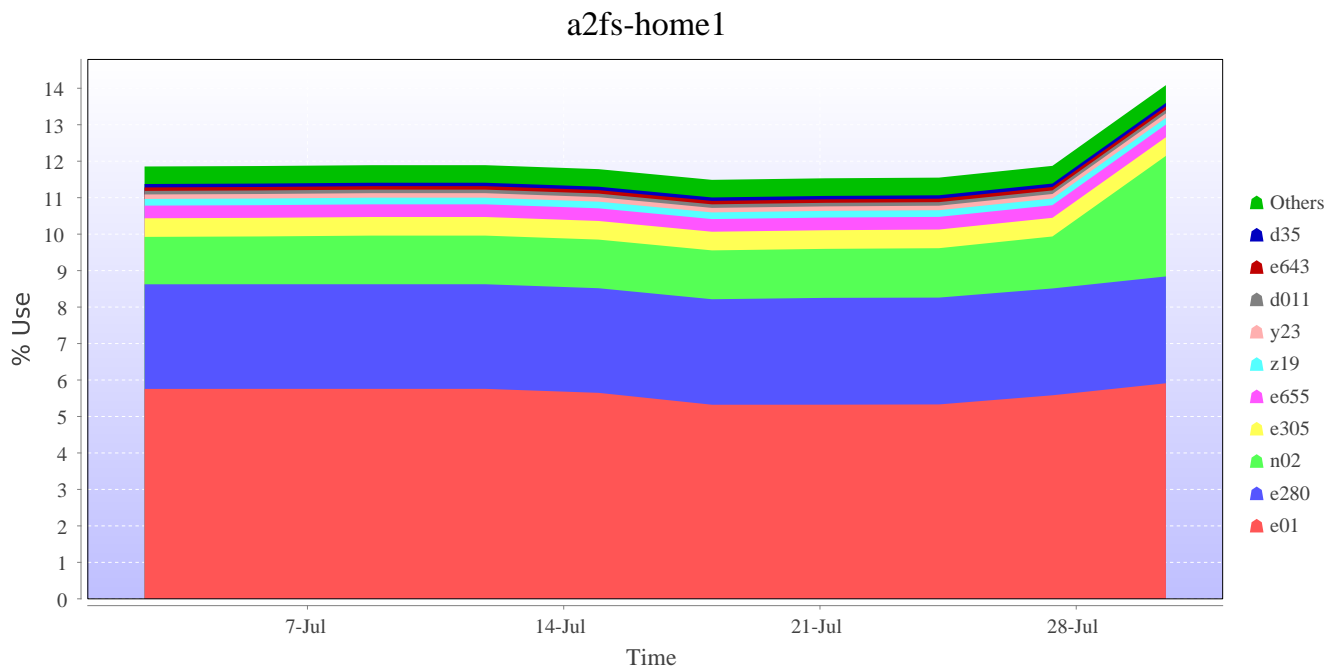


CUs used grouped by core-hours

Disk usage

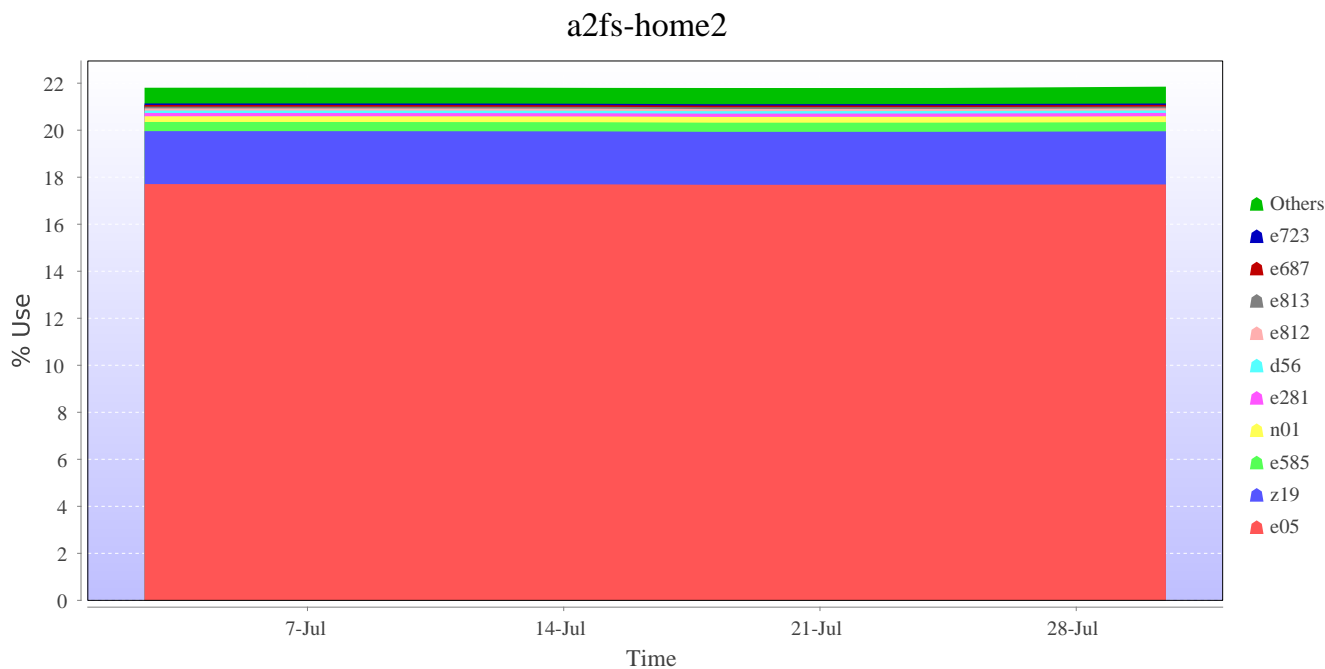
Disk usage for home (a2fs-home1)

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.



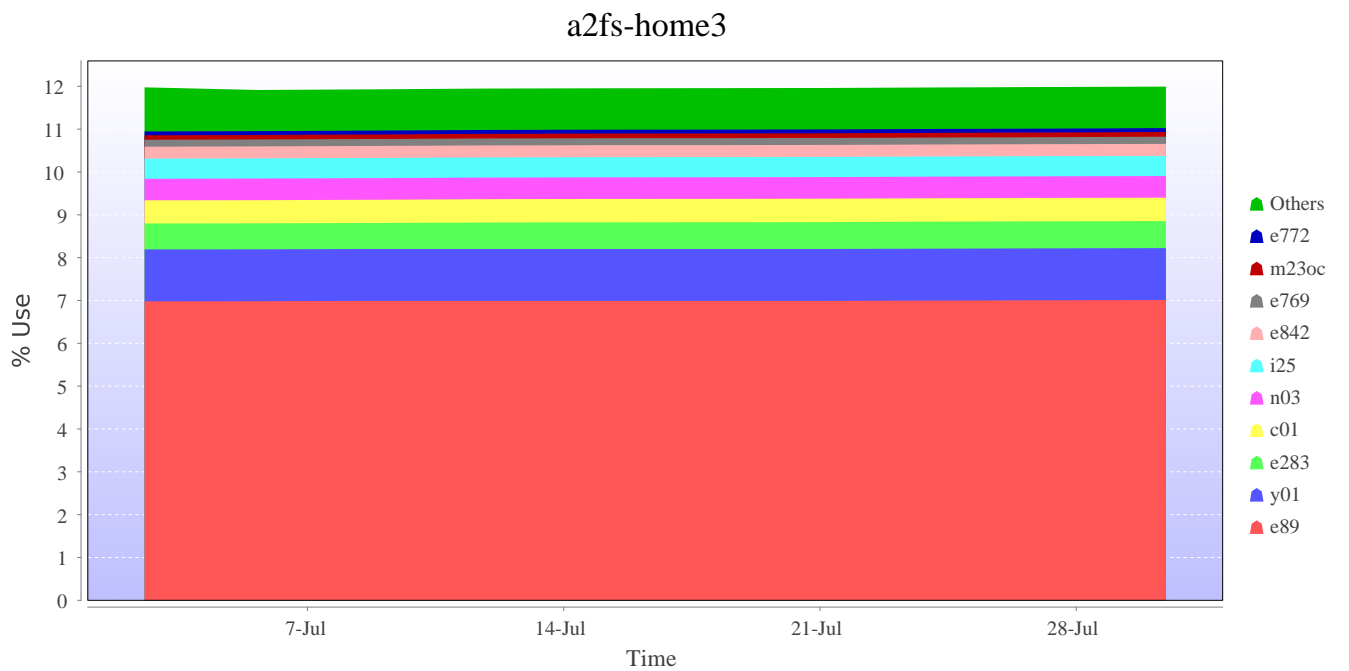
Disk usage for home (a2fs-home2)

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.



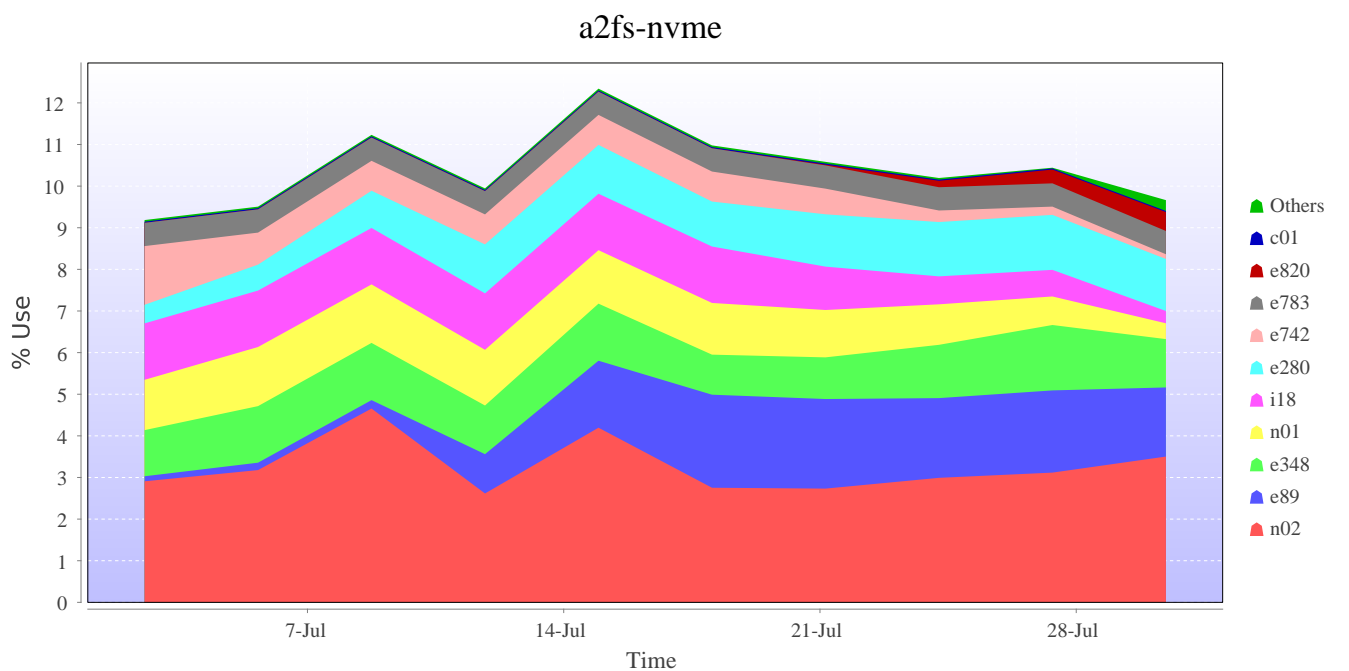
Disk usage for home (a2fs-home3)

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.



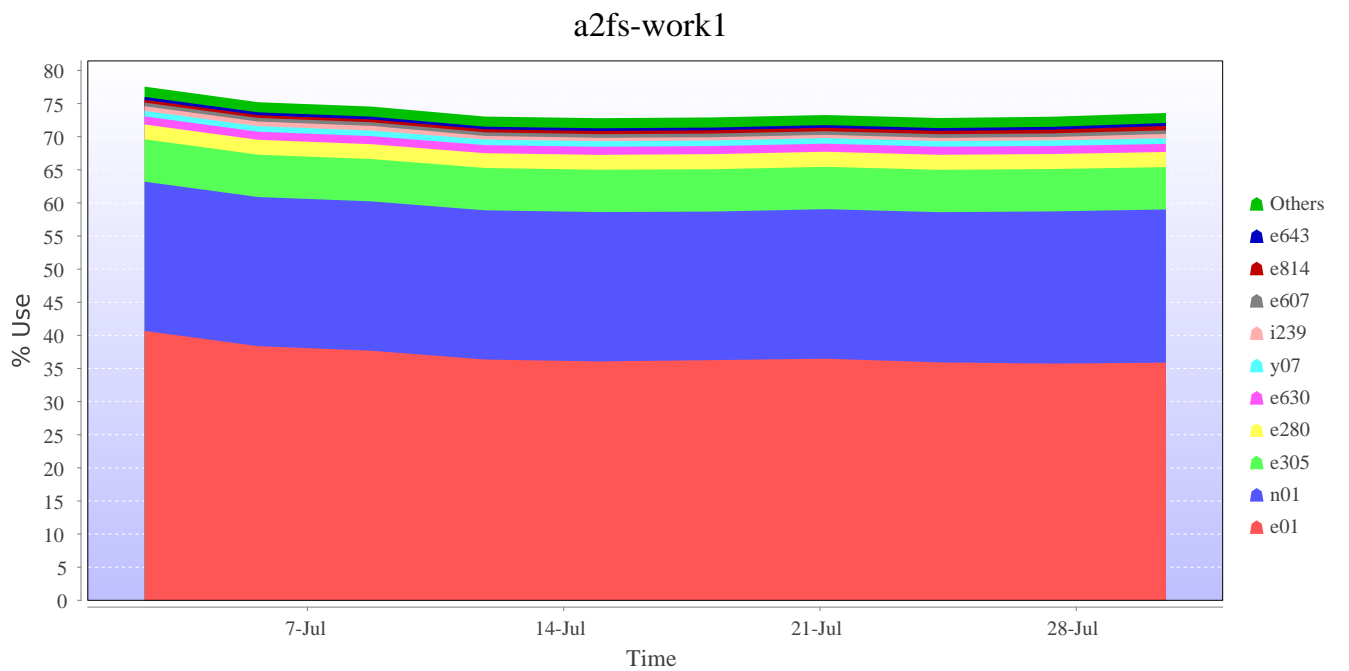
Disk usage for scratch (a2fs-nvme)

This is a plot of Disk Use on a2fs-nvme 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.



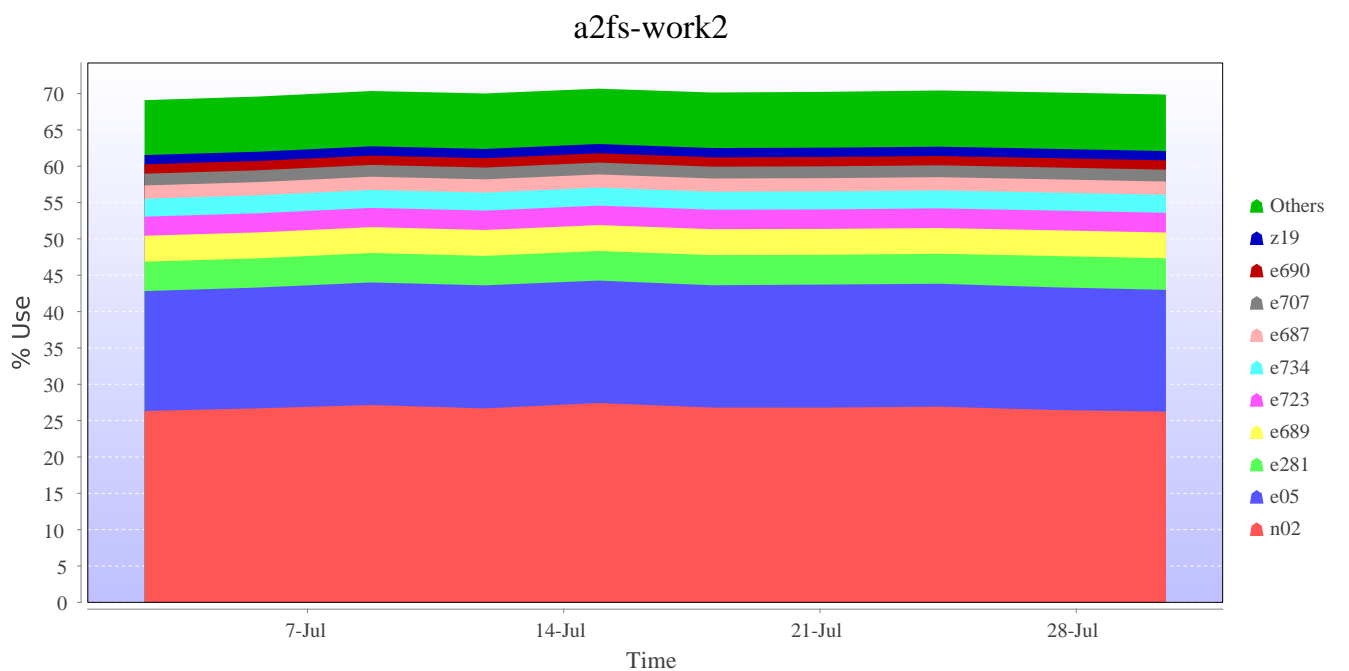
Disk usage for work (a2fs-work1)

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.



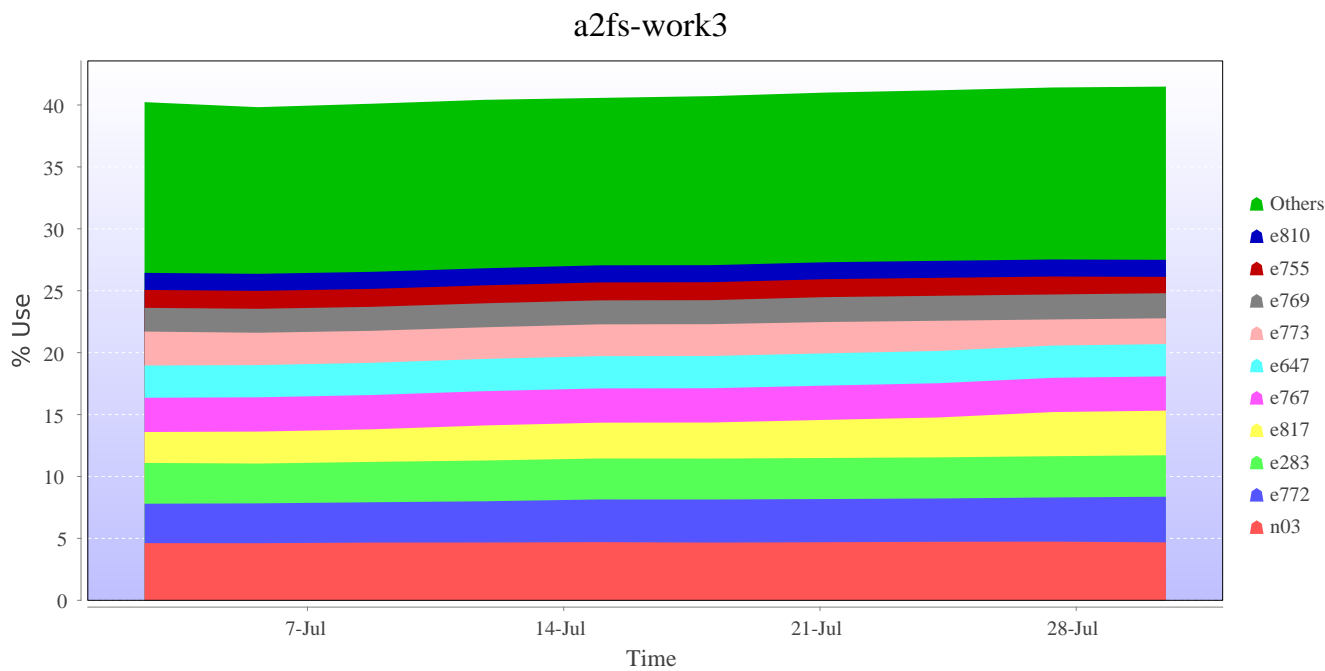
Disk usage for work (a2fs-work2)

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.



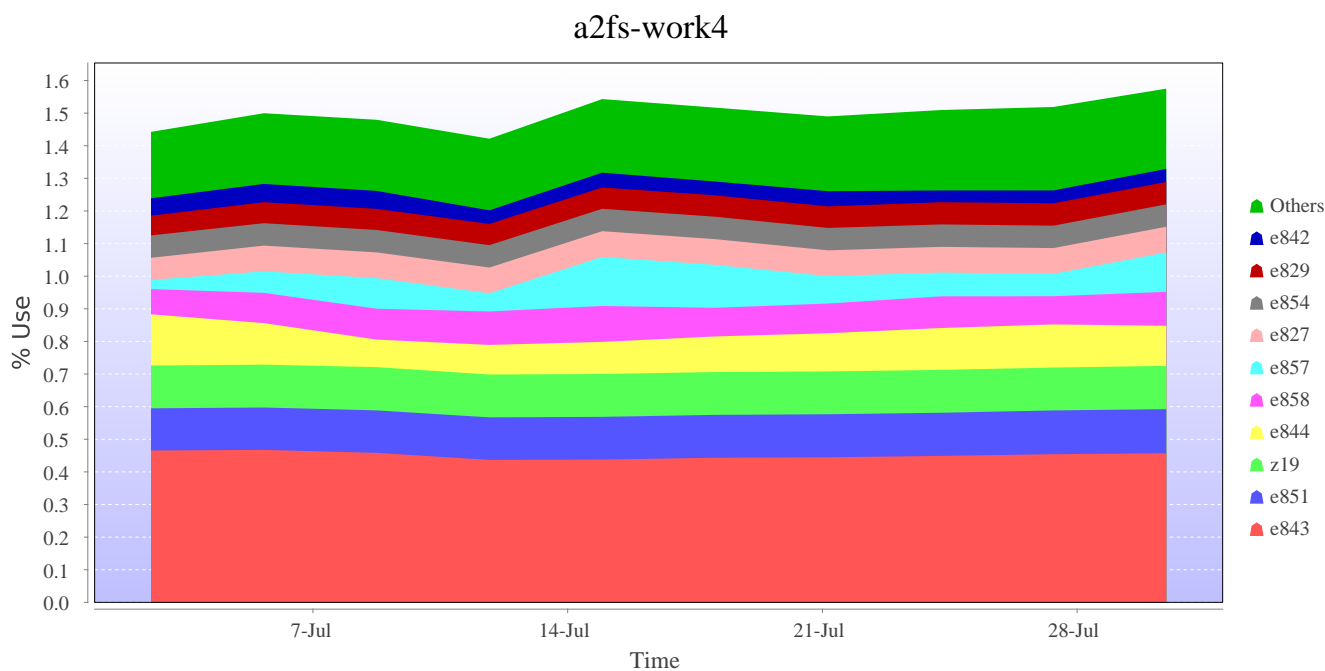
Disk usage for work (a2fs-work3)

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.



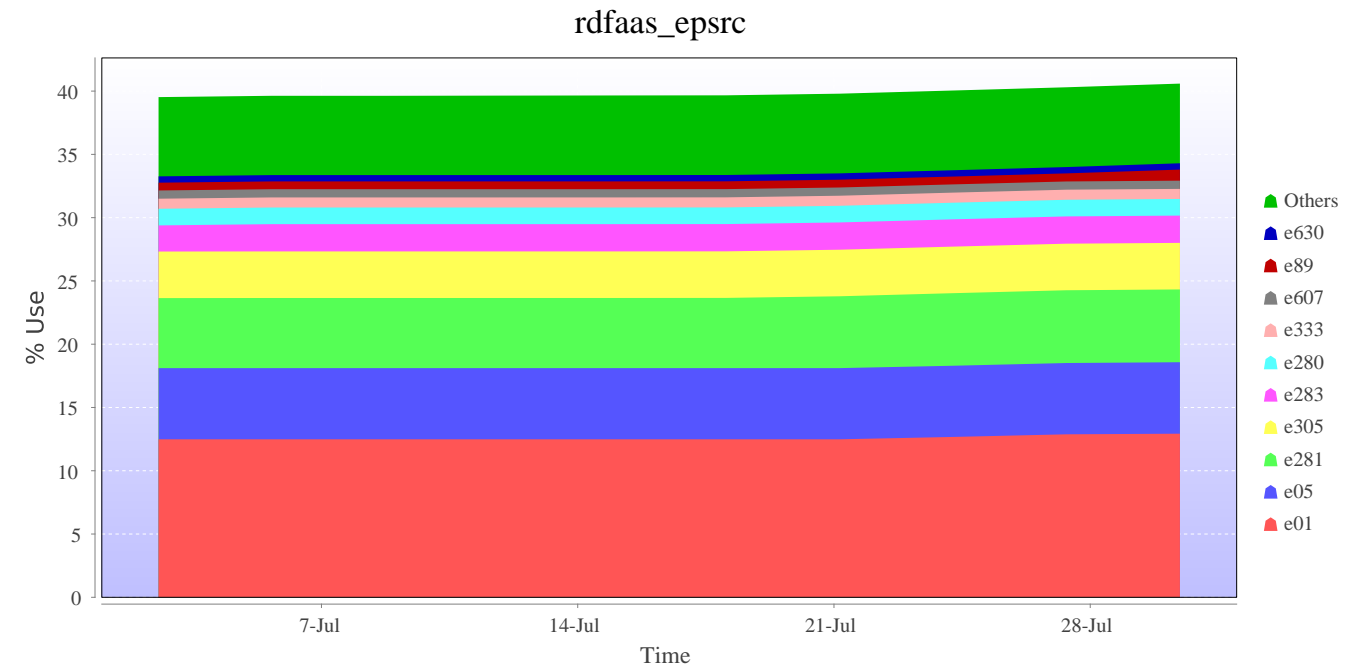
Disk usage for work (a2fs-work4)

This is a plot of Disk Use on a2fs-work4 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.

