

Monthly Reporting

Report from 01 March 2023 to 31 March 2023

Report for Resource Pool Archer2 on archer2

A total of 4,345,064 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.

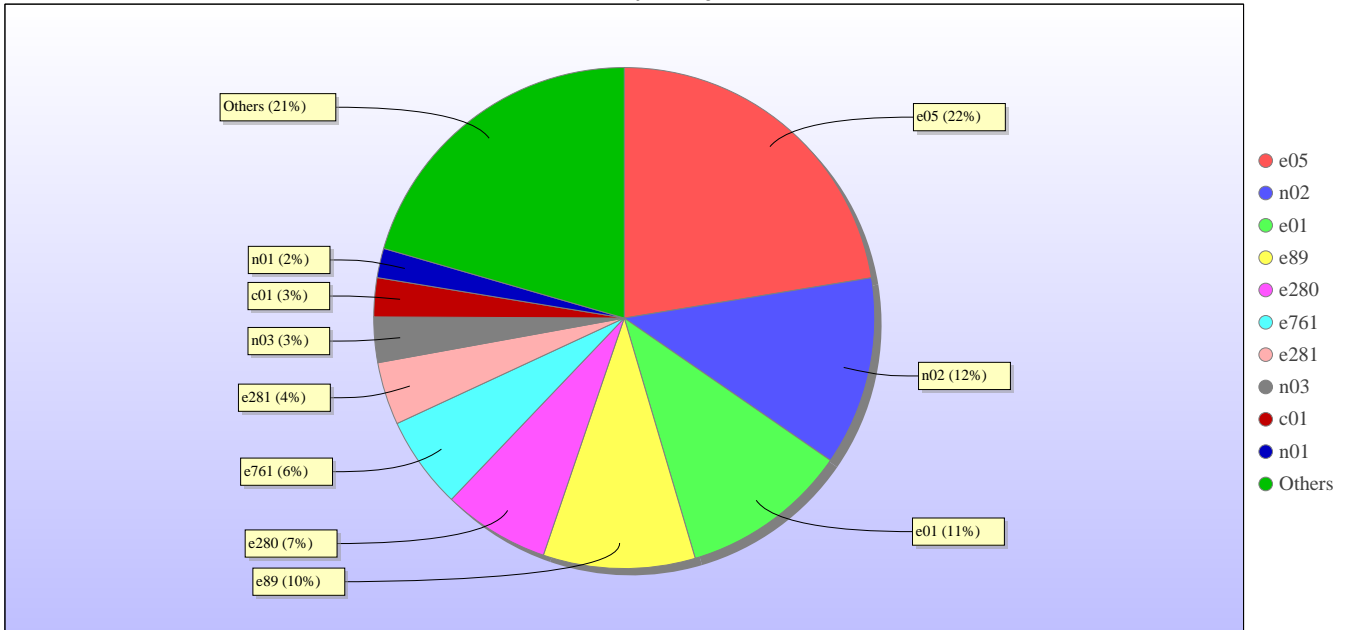
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e572	Leadership Awards	623	1,185.5	0.03%	1,192.5	0.03%	2,103.6	0.05%
e645	Leadership Awards	2,489	5,783.7	0.13%	5,783.7	0.13%	20,643.4	0.48%
e684	Leadership Awards	116	356.8	0.01%	356.8	0.01%	1,509.6	0.03%
e787	Leadership Awards	0	0.0	0.00%	0.0	0.00%	1,016.0	0.02%
e683	Pioneer Projects	485	6,473.7	0.15%	6,492.6	0.15%	14,233.8	0.33%
e685	Pioneer Projects	621	6,478.4	0.15%	7,191.6	0.17%	11,462.4	0.26%
e686	Pioneer Projects	1,672	16,948.4	0.39%	37,991.3	0.87%	18,818.8	0.43%
e687	Pioneer Projects	578	10,307.2	0.24%	10,307.2	0.24%	22,308.8	0.51%
e688	Pioneer Projects	206	4,454.7	0.10%	4,457.2	0.10%	34,002.1	0.78%
e689	Pioneer Projects	6	26,793.7	0.62%	26,793.7	0.62%	23,609.0	0.54%
e690	Pioneer Projects	126	389.9	0.01%	391.9	0.01%	25,662.0	0.59%
e691	Pioneer Projects	178	38,912.9	0.90%	38,912.9	0.90%	26,162.9	0.60%
e692	Pioneer Projects	30	1,329.0	0.03%	1,349.7	0.03%	19,749.5	0.45%
c01	Class1a	1,170	72,174.4	1.66%	99,521.0	2.29%	25,351.1	0.58%
e348	Class1a	1,239	3,813.3	0.09%	3,891.8	0.09%	14,336.5	0.33%
e575	Class1a	280	3,503.8	0.08%	3,529.8	0.08%	2,692.6	0.06%
e607	Class1a	644	12,893.7	0.30%	50,962.7	1.17%	10,003.6	0.23%
e609	Class1a	992	2,667.3	0.06%	9,599.7	0.22%	19,359.4	0.45%
e643	Class1a	151	3,280.5	0.08%	3,810.1	0.09%	2,313.2	0.05%
e647	Class1a	474	14,499.1	0.33%	14,736.9	0.34%	39,069.7	0.90%
e649	Class1a	22	0.6	0.00%	0.6	0.00%	1,034.9	0.02%
e663	Class1a	186	2,749.0	0.06%	2,771.3	0.06%	3,049.9	0.07%
e664	Class1a	0	0.0	0.00%	0.0	0.00%	898.1	0.02%
e667	Class1a	65	1,513.7	0.03%	1,513.7	0.03%	2,089.3	0.05%
e694	Class1a	198	10,275.1	0.24%	10,291.1	0.24%	2,877.1	0.07%
e696	Class1a	72	202.8	0.00%	202.8	0.00%	419.2	0.01%
e697	Class1a	56	19,463.4	0.45%	36,973.3	0.85%	8,910.4	0.21%
e700	Class1a	77	2,453.4	0.06%	2,473.0	0.06%	2,822.8	0.06%
e701	Class1a	0	0.0	0.00%	0.0	0.00%	1,898.9	0.04%

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e705	Class1a	33	4,563.3	0.11%	4,563.3	0.11%	3,774.4	0.09%
e707	Class1a	65	37,410.3	0.86%	37,809.9	0.87%	17,546.3	0.40%
e708	Class1a	0	0.0	0.00%	0.0	0.00%	2,019.5	0.05%
e710	Class1a	10	2.3	0.00%	2.3	0.00%	4,089.4	0.09%
e720	Class1a	262	19,995.1	0.46%	22,719.9	0.52%	22,793.1	0.52%
e721	Class1a	19	8.5	0.00%	8.6	0.00%	2,806.7	0.06%
e728	Class1a	191	4,476.3	0.10%	7,000.5	0.16%	2,390.1	0.06%
e751	Class1a	278	3,587.4	0.08%	3,587.4	0.08%	5,129.0	0.12%
e752	Class1a	0	0.0	0.00%	0.0	0.00%	3,572.1	0.08%
e758	Class1a	64	0.5	0.00%	0.5	0.00%	4,651.3	0.11%
e761	Class1a	36	0.0	0.00%	236,379.3	5.44%	1,563.9	0.04%
e763	Class1a	0	0.0	0.00%	0.0	0.00%	171.1	0.00%
e764	Class1a	57	1,808.6	0.04%	1,808.6	0.04%	20,046.4	0.46%
e769	Class1a	354	49,693.5	1.14%	70,928.0	1.63%	25,521.0	0.59%
e770	Class1a	0	0.0	0.00%	0.0	0.00%	6,843.2	0.16%
e786	Class1a	40	173.5	0.00%	173.5	0.00%	9,751.6	0.22%
e6337	Class1a	0	0.0	0.00%	0.0	0.00%	1,955.3	0.05%
ec110	Class1a	0	0.0	0.00%	0.0	0.00%	1,009.7	0.02%
e01	Consortia	4,843	319,611.3	7.36%	428,290.5	9.86%	350,748.0	8.07%
e05	Consortia	40,606	590,217.3	13.58%	888,548.0	20.45%	791,244.5	18.21%
e89	Consortia	28,237	364,188.6	8.38%	388,527.9	8.94%	380,139.5	8.75%
e280	Consortia	6,335	136,882.8	3.15%	272,762.8	6.28%	213,849.9	4.92%
e281	Consortia	3,062	158,320.4	3.64%	160,849.3	3.70%	95,804.7	2.20%
e283	Consortia	2,398	44,619.5	1.03%	45,113.7	1.04%	51,324.0	1.18%
e585	Consortia	188	0.0	0.00%	12,844.9	0.30%	0.2	0.00%
e772	Consortia	4,209	53,138.9	1.22%	53,363.8	1.23%	58,645.5	1.35%
e773	Consortia	0	0.0	0.00%	0.0	0.00%	11,578.2	0.27%
e739	Pump Priming	53	904.3	0.02%	904.3	0.02%	372.0	0.01%
e757	Pump Priming	51	2,750.6	0.06%	2,750.6	0.06%	533.8	0.01%
e759	Pump Priming	0	0.0	0.00%	0.0	0.00%	666.8	0.02%
e762	Pump Priming	1	0.1	0.00%	0.1	0.00%	396.8	0.01%
e766	Pump Priming	46	193.4	0.00%	291.1	0.01%	662.2	0.02%
e768	Pump Priming	0	0.0	0.00%	0.0	0.00%	684.3	0.02%
e771	Pump Priming	0	0.0	0.00%	0.0	0.00%	136.1	0.00%
e784	Pump Priming	19	380.6	0.01%	380.6	0.01%	673.4	0.02%
e785	Pump Priming	198	30.7	0.00%	30.7	0.00%	679.2	0.02%
e788	Pump Priming	161	102.5	0.00%	102.5	0.00%	539.8	0.01%
e789	Pump Priming	20	116.9	0.00%	116.9	0.00%	404.5	0.01%
e790	Pump Priming	0	0.0	0.00%	0.0	0.00%	43.2	0.00%
e507	Access to HPC	34	956.5	0.02%	956.5	0.02%	4,621.6	0.11%
e673	Access to HPC	52	1,739.5	0.04%	5,893.7	0.14%	3,421.6	0.08%
e677	Access to HPC	0	0.0	0.00%	0.0	0.00%	5,513.2	0.13%
e703	Access to HPC	681	13,550.4	0.31%	13,550.8	0.31%	4,927.1	0.11%
e727	Access to HPC	0	0.0	0.00%	0.0	0.00%	747.9	0.02%
e734	Access to HPC	613	9,805.5	0.23%	9,805.5	0.23%	8,554.0	0.20%
e735	Access to HPC	77	1,157.3	0.03%	1,157.3	0.03%	7,028.7	0.16%
e742	Access to HPC	274	4,739.0	0.11%	4,851.3	0.11%	2,138.5	0.05%
e743	Access to HPC	18	2,997.6	0.07%	2,997.6	0.07%	7,460.2	0.17%
e744	Access to HPC	21	16,230.5	0.37%	16,230.5	0.37%	1,150.7	0.03%
e745	Access to HPC	5	4,891.5	0.11%	4,891.5	0.11%	436.1	0.01%
e746	Access to HPC	0	0.0	0.00%	0.0	0.00%	3,521.6	0.08%
e747	Access to HPC	74	303.6	0.01%	303.6	0.01%	67,008.6	1.54%
e748	Access to HPC	410	32,739.8	0.75%	32,739.8	0.75%	25,243.5	0.58%
e755	Access to HPC	5	2,759.4	0.06%	2,759.4	0.06%	7,554.9	0.17%
e774	Access to HPC	384	2,535.5	0.06%	2,535.5	0.06%	9,758.6	0.22%
e775	Access to HPC	25	20,464.7	0.47%	21,402.7	0.49%	15,718.2	0.36%
e776	Access to HPC	272	7,452.6	0.17%	7,452.6	0.17%	5,815.7	0.13%
e777	Access to HPC	31	6,288.7	0.14%	7,979.6	0.18%	7,073.2	0.16%
e778	Access to HPC	289	2,746.4	0.06%	2,791.9	0.06%	8,362.1	0.19%
e779	Access to HPC	171	436.5	0.01%	436.5	0.01%	785.9	0.02%
e780	Access to HPC	89	4,418.5	0.10%	4,418.5	0.10%	6,287.3	0.14%
e781	Access to HPC	54	13.6	0.00%	13.6	0.00%	1,571.8	0.04%
e782	Access to HPC	132	8,557.0	0.20%	8,557.0	0.20%	2,733.3	0.06%

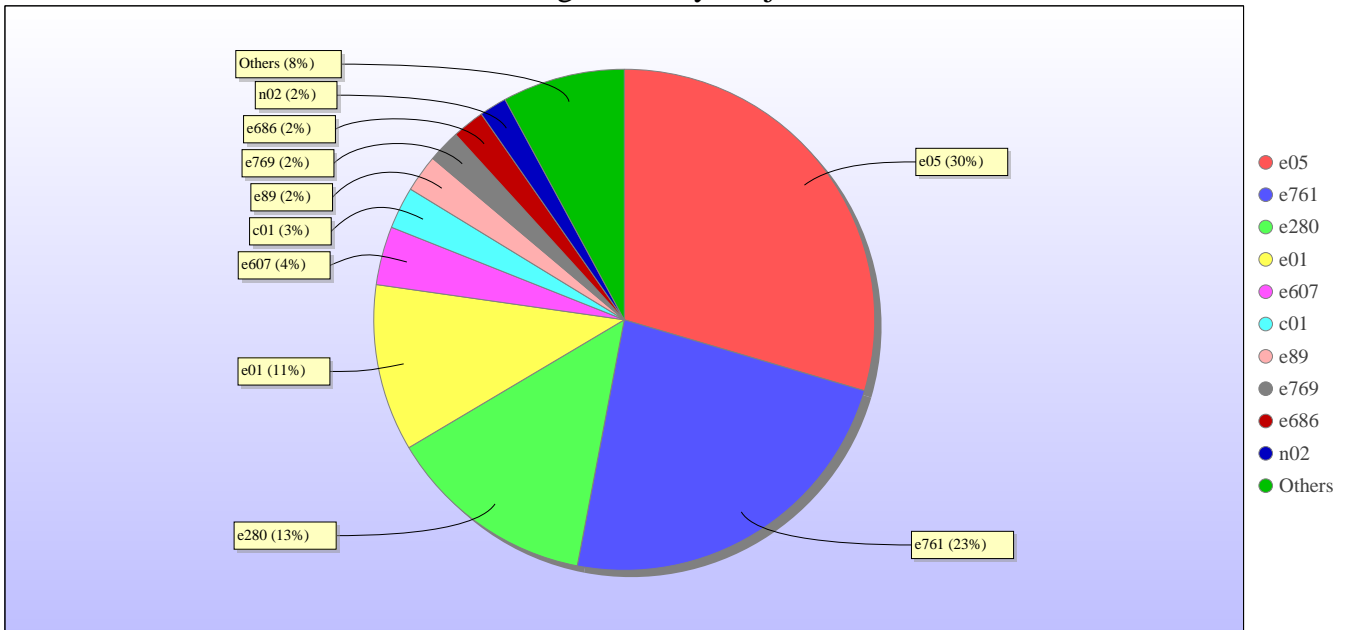
Project	Project Class	Number of Jobs	Charged CUs	Charged Utilisation	Used CUs	Utilisation	Allocated CUs	Allocation
e783	Access to HPC	83	8,524.0	0.20%	8,524.0	0.20%	5,734.1	0.13%
EPSRC Total		108,386	2,215,389.4	50.99%	3,181,607.8	73.22%	2,666,337.7	61.36%
n01	Consortia	44,979	73,689.3	1.70%	75,270.5	1.73%	149,787.4	3.45%
n02	Consortia	55,262	465,055.4	10.70%	482,886.2	11.11%	534,094.9	12.29%
n03	Consortia	2,467	115,350.3	2.65%	116,023.0	2.67%	165,902.7	3.82%
n09	Pump Priming	7	1.8	0.00%	1.8	0.00%	680.6	0.02%
NERC Total		102,715	654,096.8	15.05%	674,181.5	15.52%	850,465.6	19.57%
b19	Class1a	34	981.3	0.02%	981.3	0.02%	2,720.7	0.06%
BBSRC Total		34	981.3	0.02%	981.3	0.02%	2,720.7	0.06%
e756	Leadership Awards	239	11.5	0.00%	11.5	0.00%	5,115.3	0.12%
e760	Leadership Awards	48	35.7	0.00%	35.7	0.00%	168.3	0.00%
e723	Class1a	548	8,076.3	0.19%	9,615.4	0.22%	42,534.9	0.98%
e738	Class1a	0	0.0	0.00%	0.0	0.00%	17,108.0	0.39%
UKRI Total		835	8,123.5	0.19%	9,662.7	0.22%	64,926.5	1.49%
pr1u1555	DECI: EXEC	97	95.8	0.00%	99.6	0.00%	324.2	0.01%
pr1ush02	DECI: HOME	9	183.2	0.00%	249.3	0.01%	2,003.4	0.05%
PRACE Total		106	278.9	0.01%	348.8	0.01%	2,327.6	0.05%
ecseaa26	eCSE	28	2,054.8	0.05%	2,736.4	0.06%	310.4	0.01%
ecseac14	eCSE	0	0.0	0.00%	0.0	0.00%	65.3	0.00%
ecseac15	eCSE	7	1.5	0.00%	1.5	0.00%	133.9	0.00%
ecsead03	eCSE	0	0.0	0.00%	0.0	0.00%	128.3	0.00%
ecsead08	eCSE	65	1.7	0.00%	5,078.6	0.12%	79.5	0.00%
ecseae03	eCSE	0	0.0	0.00%	0.0	0.00%	90.5	0.00%
ecseae04	eCSE	108	219.4	0.01%	219.4	0.01%	119.4	0.00%
ecseae08	eCSE	0	0.0	0.00%	0.0	0.00%	119.1	0.00%
ecseae09	eCSE	0	0.0	0.00%	0.0	0.00%	116.6	0.00%
ecseaf01	eCSE	106	57.8	0.00%	57.8	0.00%	104.3	0.00%
ecseaf02	eCSE	0	0.0	0.00%	0.0	0.00%	52.6	0.00%
ecseaf03	eCSE	4	1.7	0.00%	1.7	0.00%	50.6	0.00%
ecseaf04	eCSE	0	0.0	0.00%	0.0	0.00%	65.0	0.00%
ecseaf06	eCSE	0	0.0	0.00%	0.0	0.00%	100.7	0.00%
ecseag01	eCSE	0	0.0	0.00%	0.0	0.00%	68.8	0.00%
ecseag02	eCSE	20	15.0	0.00%	15.0	0.00%	87.0	0.00%
ecseag03	eCSE	0	0.0	0.00%	0.0	0.00%	62.9	0.00%
ecseag06	eCSE	39	0.3	0.00%	0.6	0.00%	43.0	0.00%
ecseag08	eCSE	0	0.0	0.00%	0.0	0.00%	58.3	0.00%
ecseag09	eCSE	0	0.0	0.00%	0.0	0.00%	62.6	0.00%
ecseah03	eCSE	0	0.0	0.00%	0.0	0.00%	120.3	0.00%
ecseah06	eCSE	0	0.0	0.00%	0.0	0.00%	109.5	0.00%
eCSE Total		377	2,352.2	0.05%	8,111.1	0.19%	2,148.4	0.05%
d35	Research	40	28.3	0.00%	28.5	0.00%	169.6	0.00%
d011	Research	22	0.2	0.00%	0.2	0.00%	175.4	0.00%
d114	Research	0	0.0	0.00%	0.0	0.00%	5,219.3	0.12%
d137	Research	545	1,441.8	0.03%	6,048.4	0.14%	1,683.8	0.04%
d142	Research	0	0.0	0.00%	0.0	0.00%	5,091.8	0.12%
d170	Research	0	0.0	0.00%	0.0	0.00%	51.3	0.00%
d175	Research	0	0.0	0.00%	0.0	0.00%	1,412.2	0.03%
d193	Research	2	0.0	0.00%	0.0	0.00%	339.3	0.01%
d435	Research	767	868.8	0.02%	1,870.9	0.04%	84.8	0.00%
d436	Research	0	0.0	0.00%	0.0	0.00%	339.3	0.01%
dc129	Research	621	159.8	0.00%	159.8	0.00%	3,421.6	0.08%
d105	Industrial	0	0.0	0.00%	0.0	0.00%	3,421.6	0.08%
d181	Industrial	171	0.0	0.00%	4,344.2	0.10%	1,041.3	0.02%
d190	Industrial	0	0.0	0.00%	0.0	0.00%	1,696.3	0.04%
d433	Industrial	0	0.0	0.00%	0.0	0.00%	85.5	0.00%
d434	Industrial	0	0.0	0.00%	0.0	0.00%	15.7	0.00%
i01	Industrial	43	1,004.4	0.02%	1,044.8	0.02%	273.7	0.01%
i18	Industrial	0	0.0	0.00%	0.0	0.00%	2,348.0	0.05%
i21	Industrial	0	0.0	0.00%	0.0	0.00%	17,108.0	0.39%
i24	Industrial	0	0.0	0.00%	0.0	0.00%	34.2	0.00%
i25	Industrial	0	0.0	0.00%	0.0	0.00%	85.5	0.00%

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i26	Industrial	207	261.5	0.01%	261.5	0.01%	342.2	0.01%
i238	Industrial	0	0.0	0.00%	0.0	0.00%	513.2	0.01%
i239	Industrial	775	2,956.8	0.07%	2,956.8	0.07%	1,041.7	0.02%
i241	Industrial	76	13,629.6	0.31%	13,629.6	0.31%	1,738.9	0.04%
i242	Industrial	112	0.7	0.00%	0.7	0.00%	681.9	0.02%
i243	Industrial	0	0.0	0.00%	0.0	0.00%	241.3	0.01%
i244	Industrial	0	0.0	0.00%	0.0	0.00%	1,949.5	0.04%
m22oc	Training	96	2.5	0.00%	53.9	0.00%	391.9	0.01%
m22ol	Training	0	0.0	0.00%	0.0	0.00%	391.9	0.01%
m22ext	Training	0	0.0	0.00%	0.0	0.00%	156.8	0.00%
mdisspt	Training	0	0.0	0.00%	0.0	0.00%	148.5	0.00%
m22exts1	Training	0	0.0	0.00%	0.0	0.00%	78.4	0.00%
ta046	Training	0	0.0	0.00%	0.0	0.00%	31.9	0.00%
ta047	Training	0	0.0	0.00%	0.0	0.00%	31.9	0.00%
ta052	Training	9	0.3	0.00%	0.3	0.00%	510.7	0.01%
ta053	Training	0	0.0	0.00%	0.0	0.00%	33.6	0.00%
ta067	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta068	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta069	Training	0	0.0	0.00%	0.0	0.00%	19.0	0.00%
ta070	Training	2	14.4	0.00%	14.4	0.00%	609.0	0.01%
ta084	Training	221	21.0	0.00%	21.0	0.00%	762.8	0.02%
ta085	Training	0	0.0	0.00%	0.0	0.00%	38.2	0.00%
ta086	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta087	Training	0	0.0	0.00%	0.0	0.00%	19.1	0.00%
ta093	Training	152	0.2	0.00%	1,352.8	0.03%	747.8	0.02%
ta094	Training	4,534	1,680.3	0.04%	5,127.7	0.12%	2,548.2	0.06%
ta095	Training	0	0.0	0.00%	0.0	0.00%	63.7	0.00%
ta096	Training	12	0.1	0.00%	0.1	0.00%	63.7	0.00%
ta097	Training	12	3.3	0.00%	3.3	0.00%	63.7	0.00%
ta098	Training	0	0.0	0.00%	0.0	0.00%	100.0	0.00%
ta099	Training	0	0.0	0.00%	0.0	0.00%	265.4	0.01%
ta100	Training	84	1.6	0.00%	1.6	0.00%	98.9	0.00%
ta101	Training	0	0.0	0.00%	0.0	0.00%	189.7	0.00%
ta102	Training	205	1,041.8	0.02%	694.8	0.02%	599.6	0.01%
ta103	Training	0	0.0	0.00%	0.0	0.00%	76.2	0.00%
ta104	Training	35	0.0	0.00%	0.1	0.00%	147.5	0.00%
ta105	Training	0	0.0	0.00%	0.0	0.00%	62.8	0.00%
ta106	Training	0	0.0	0.00%	0.0	0.00%	125.6	0.00%
d191	Service	0	0.0	0.00%	0.0	0.00%	4.2	0.00%
y01	Service	0	0.0	0.00%	0.0	0.00%	74.7	0.00%
y02	Service	241	12.1	0.00%	14.7	0.00%	848.2	0.02%
y07	Service	0	0.0	0.00%	0.0	0.00%	82.8	0.00%
y23	Service	9	0.6	0.00%	0.6	0.00%	84.8	0.00%
z01	Service	0	0.0	0.00%	0.0	0.00%	8.3	0.00%
z02	Service	6	0.5	0.00%	0.5	0.00%	8.5	0.00%
z19	Service	1,519	49,928.5	1.15%	49,258.3	1.13%	42,525.2	0.98%
z99	Service	0	0.0	0.00%	0.0	0.00%	0.8	0.00%
DirectorsTime Total		10,518	73,059.0	1.68%	86,889.7	2.00%	102,678.1	2.36%
z39	Service	0	0.0	0.00%	0.0	0.00%	10.0	0.00%
Internal Total		0	0.0	0.00%	0.0	0.00%	10.0	0.00%
Total		222,971	2,954,281.2	67.99%	3,961,782.8	91.18%	3,691,614.5	84.96%

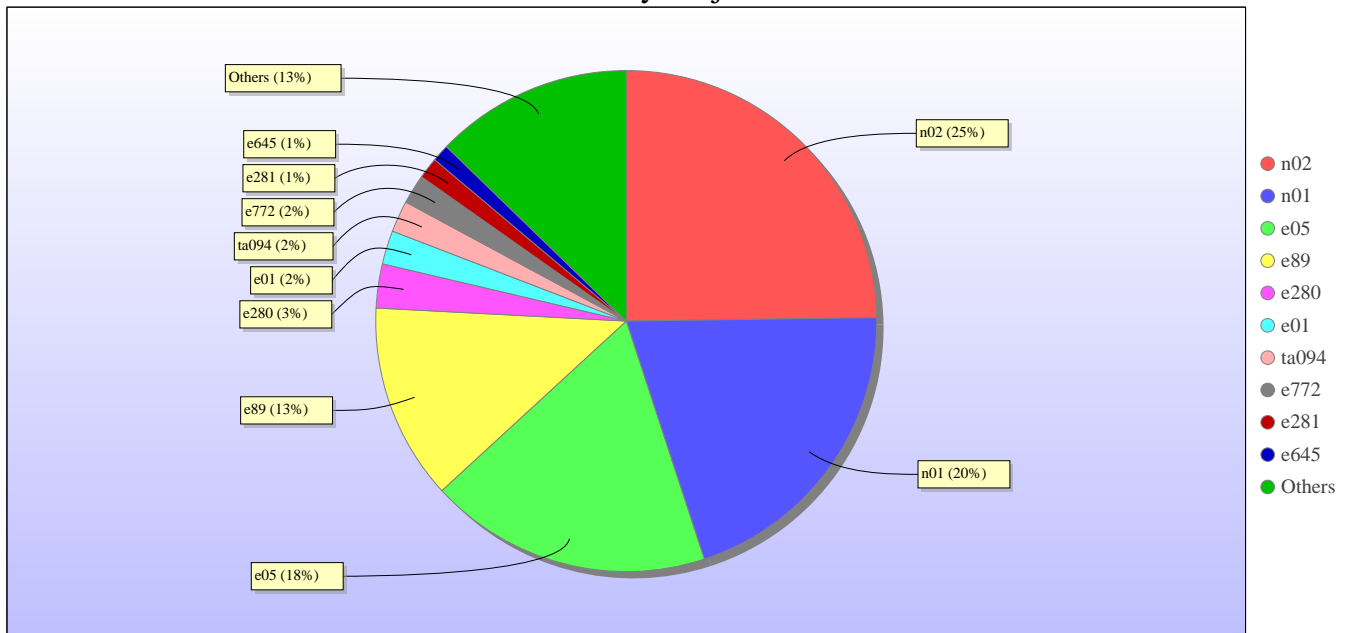
Use by Project



Uncharged Use by Project



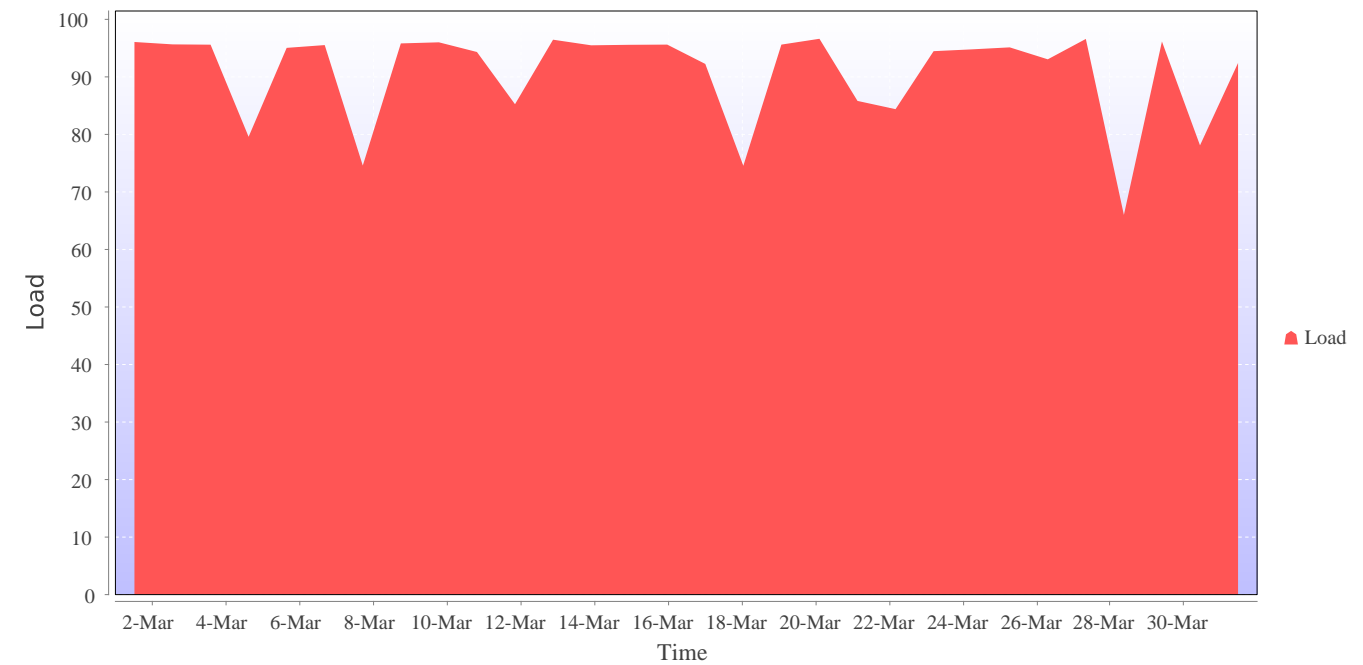
Jobs by Project



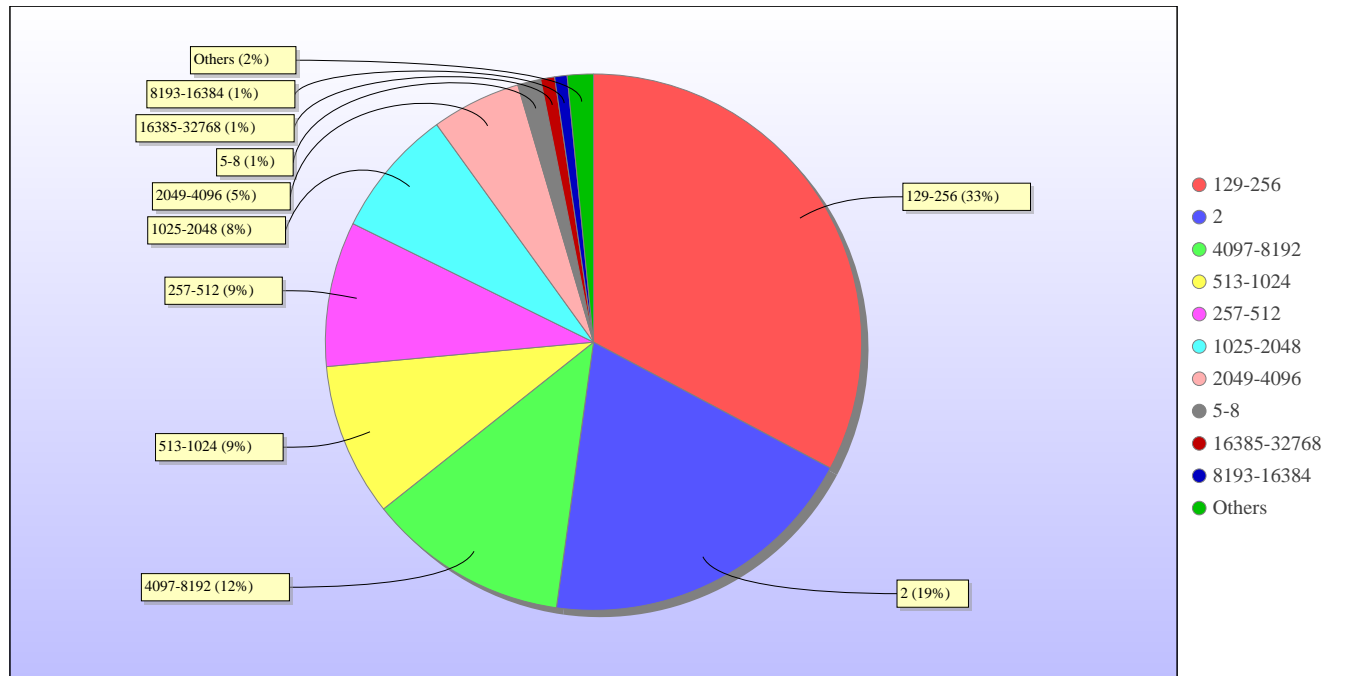
CUs (by Size)

Size	CUs	Number of Jobs
1	0	154
2	0	43,324
3-4	0	32
5-8	0	3,110
9-16	0	79
17-32	0	308
33-64	0	33
65-128	0	1,102
129-256	177,480.705	73,088
257-512	157,480.486	19,481
513-1024	257,816.577	20,578
1025-2048	387,510.26	17,333
2049-4096	441,217.637	12,007
4097-8192	393,423.568	26,991
8193-16384	357,734.584	1,671
16385-32768	192,598.262	1,876
32769-65536	336,351.045	1,471
65537-131072	112,302.529	203
131073-262144	109,316.054	106
262145-524288	28,949.893	6
524289-1048576	1,059.271	8

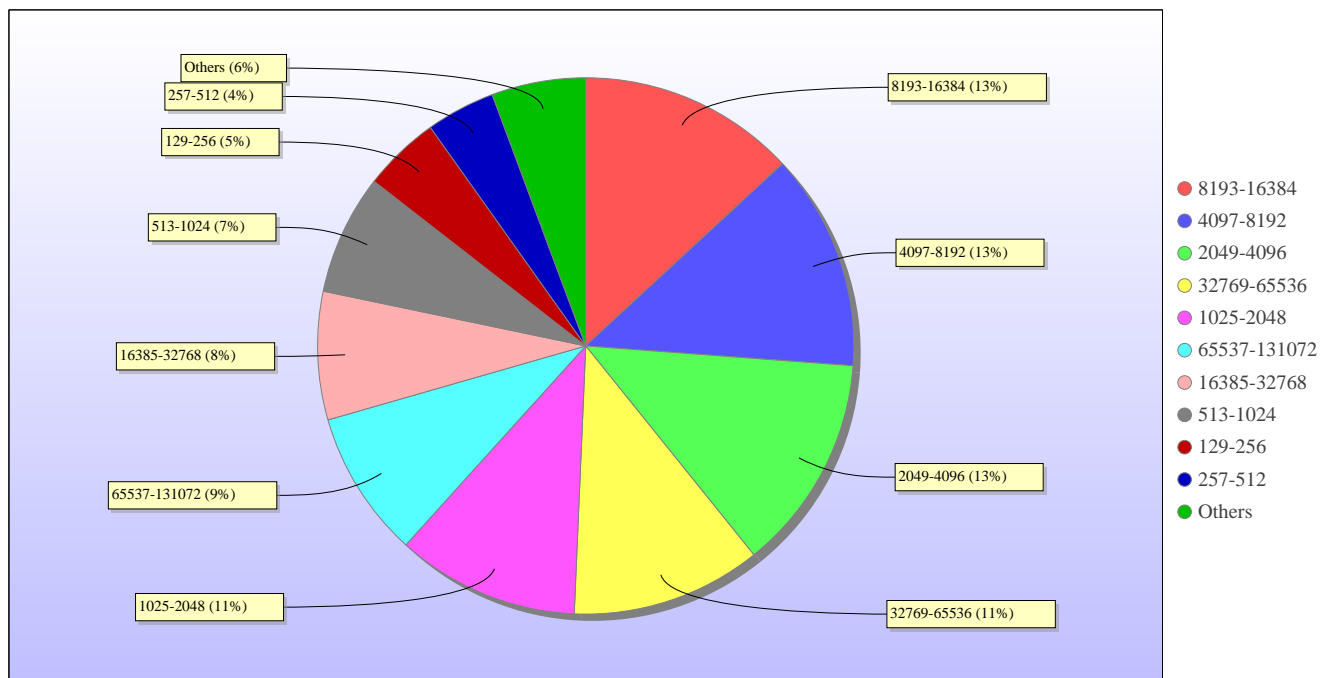
Load plots



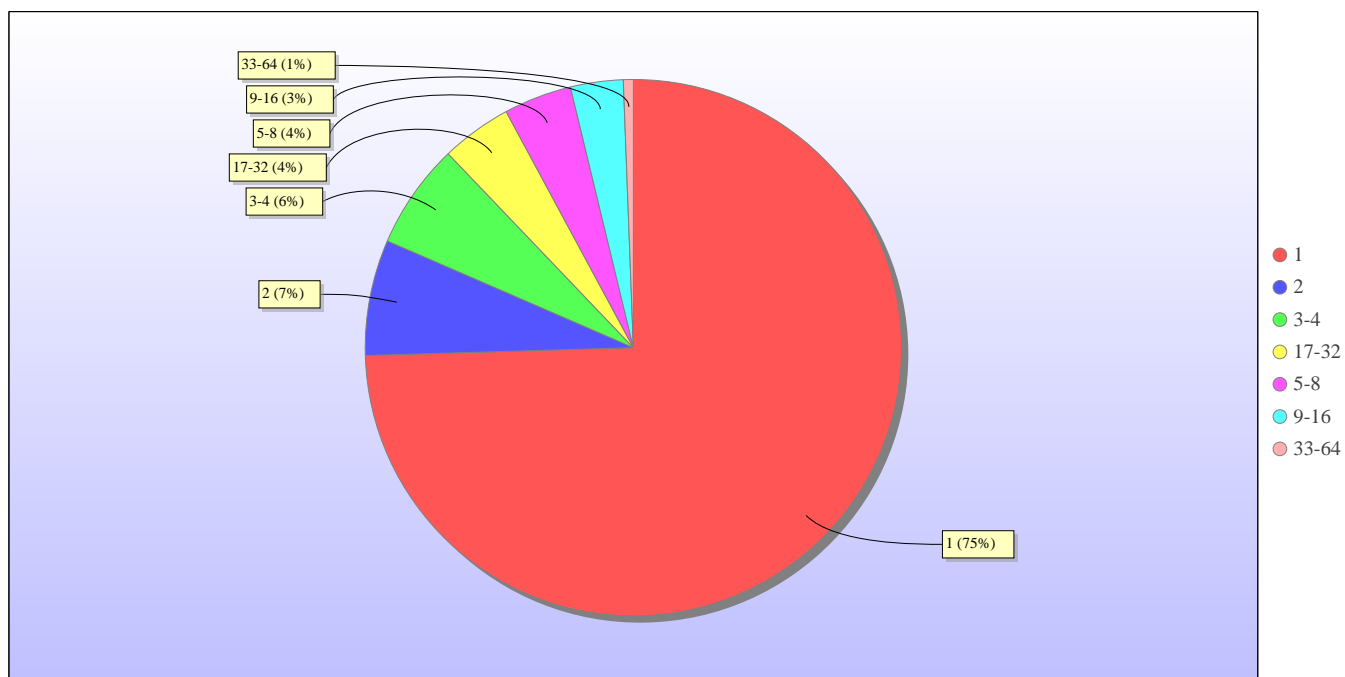
Percentage load on machine



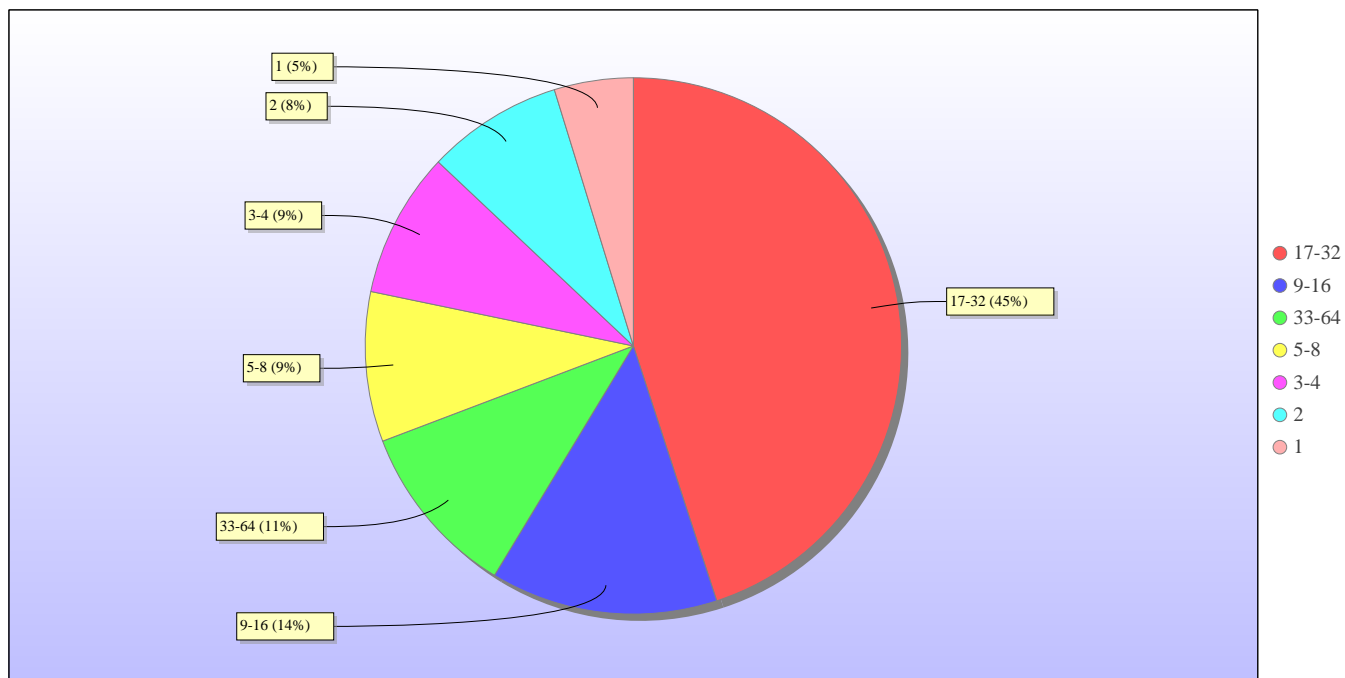
Jobs by Size



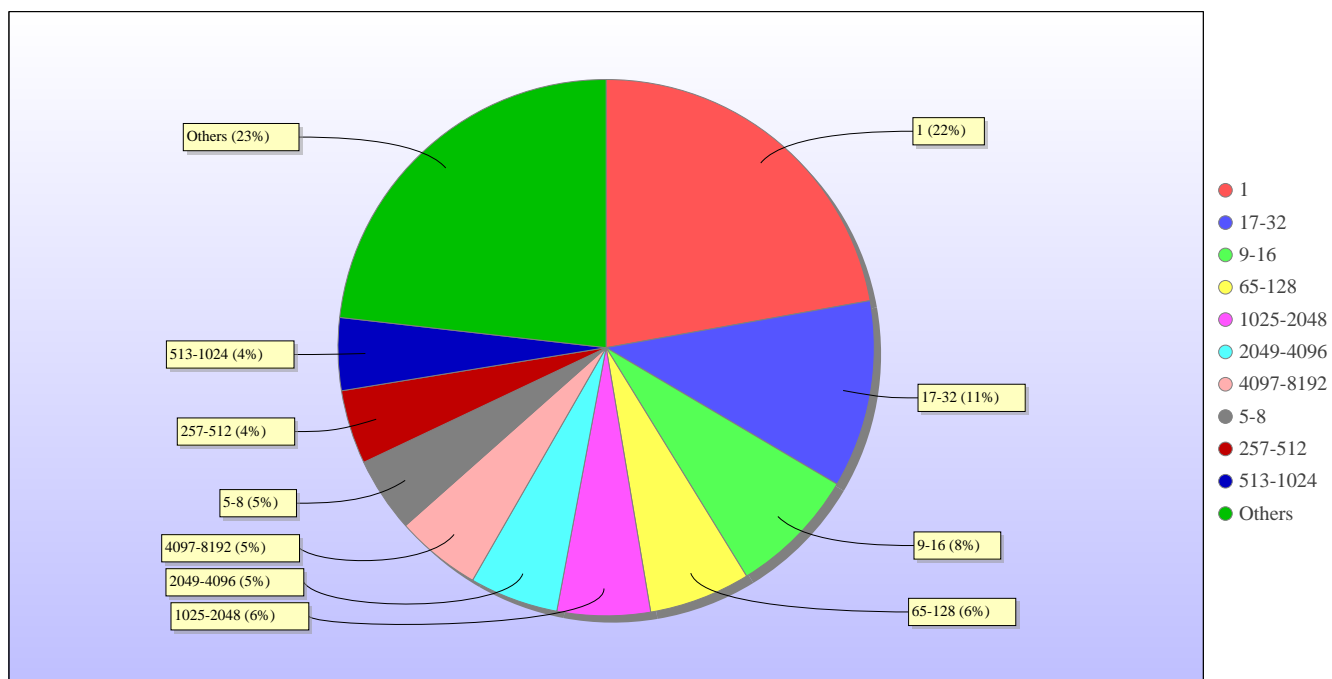
CUs used by Size



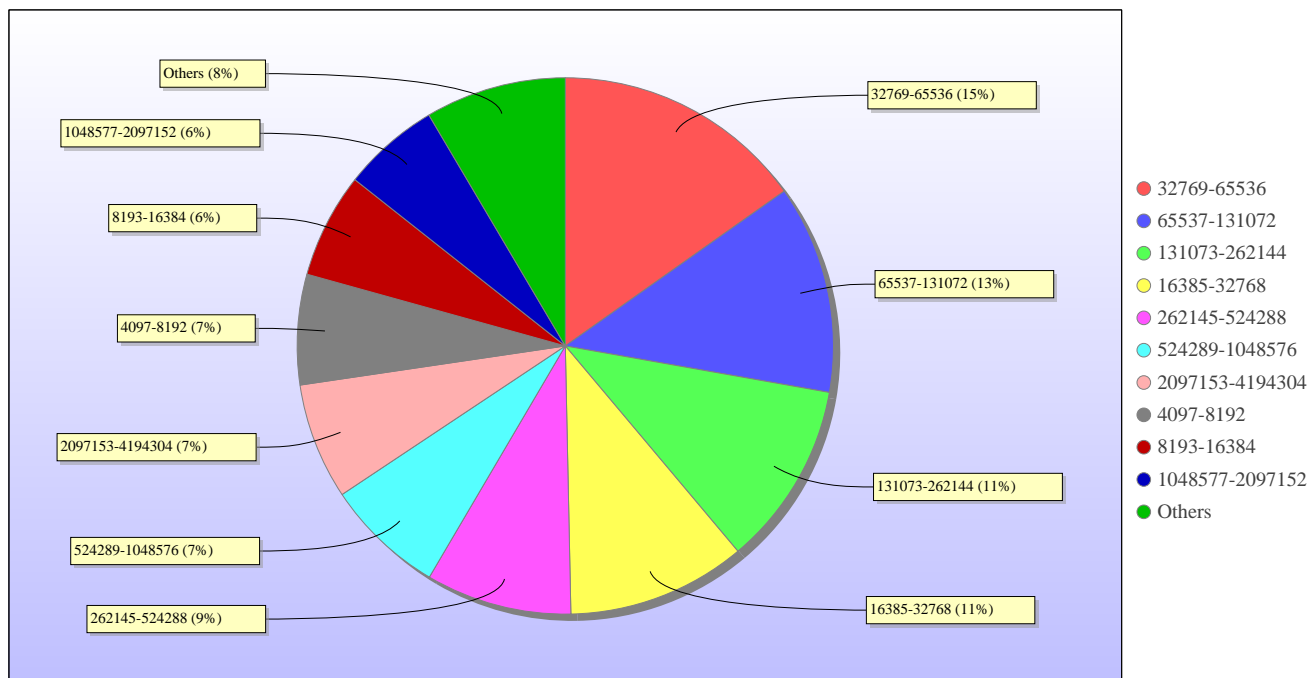
Jobs grouped by wall-clock-hours



CUs used grouped by wall-clock-hours



Jobs grouped by core-hours

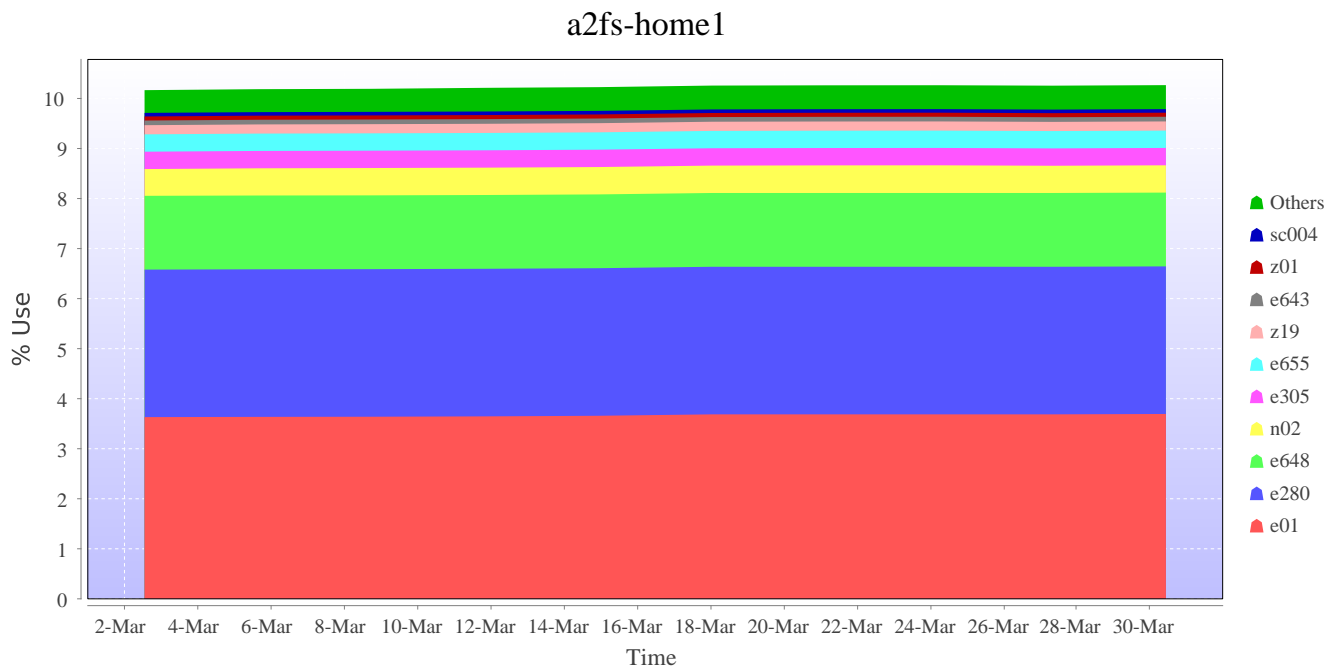


CUs used grouped by core-hours

Disk usage

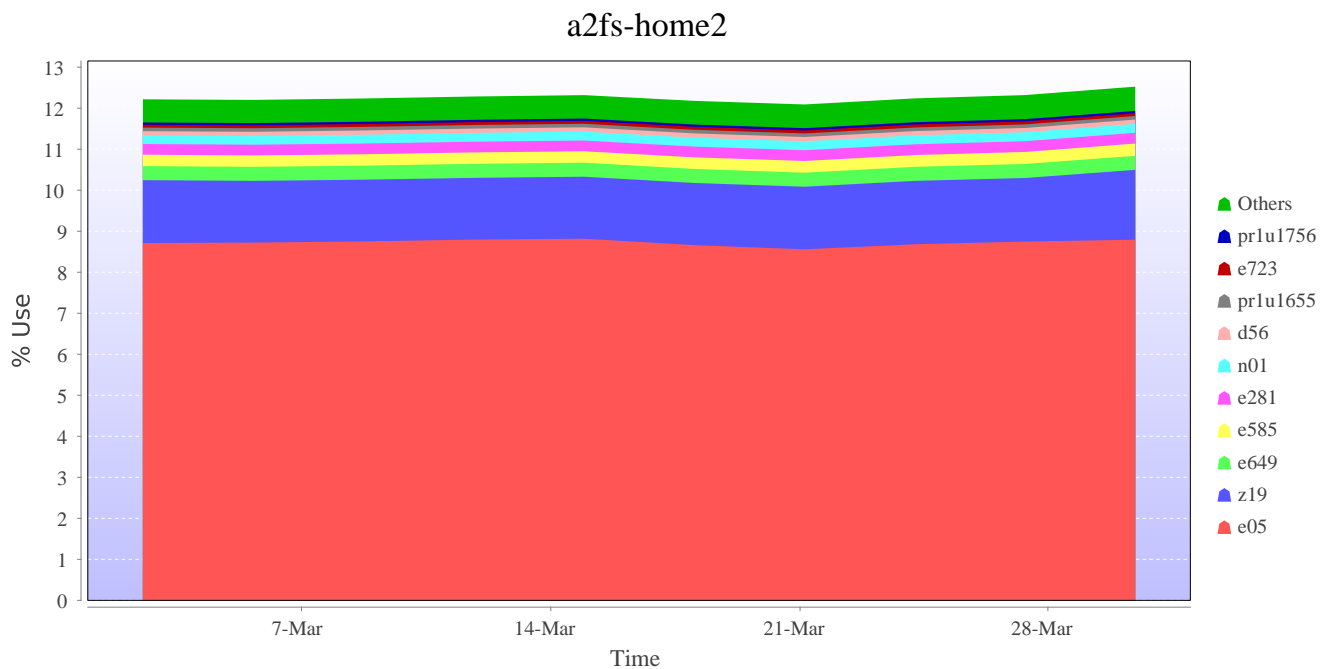
Disk usage for home (a2fs-home1)

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.



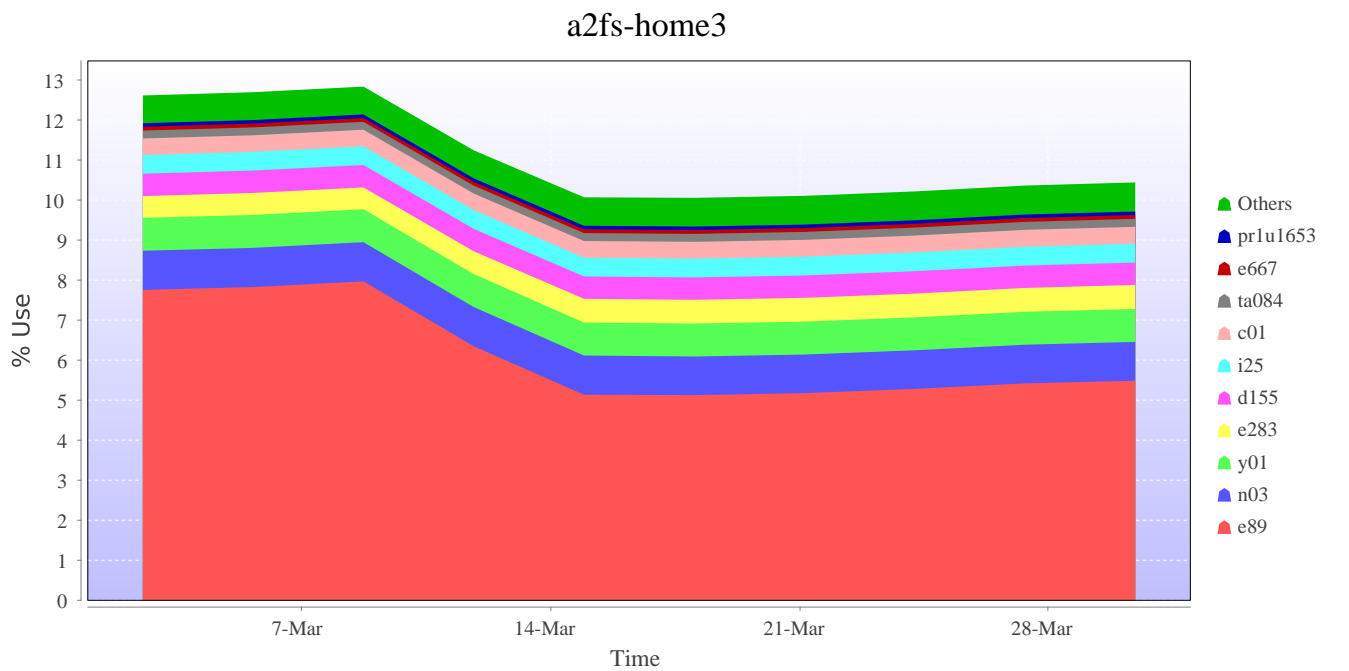
Disk usage for home (a2fs-home2)

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.



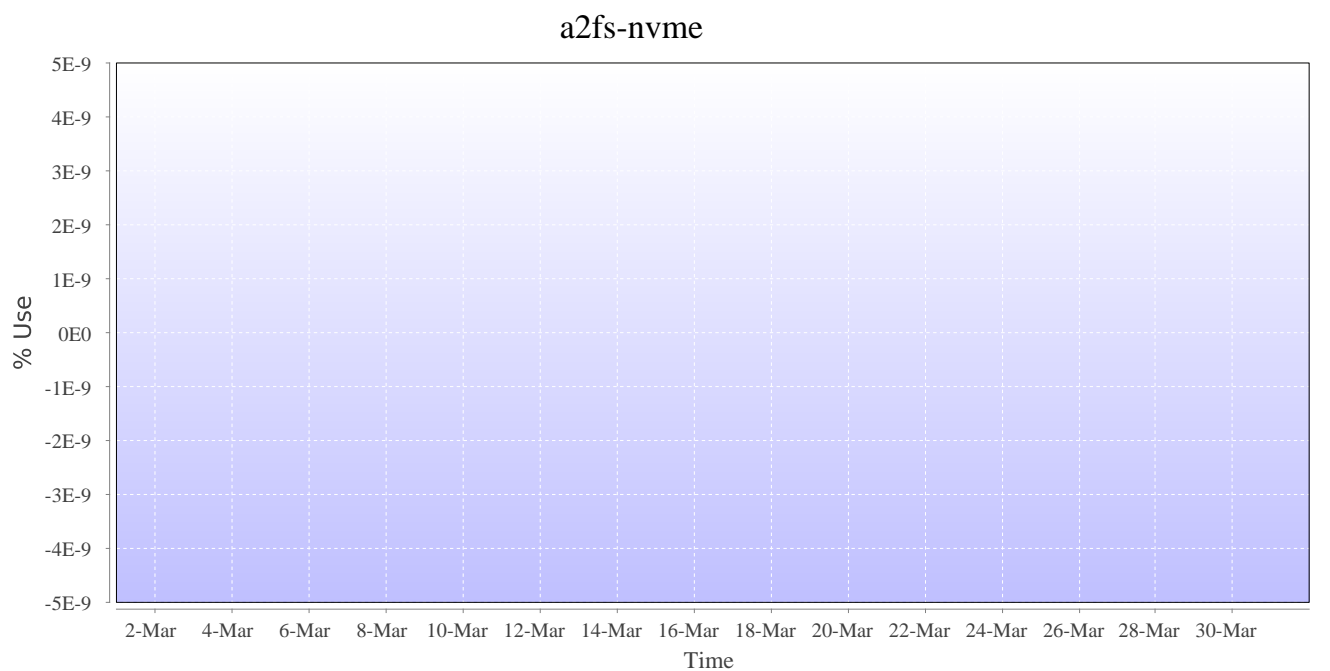
Disk usage for home (a2fs-home3)

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.



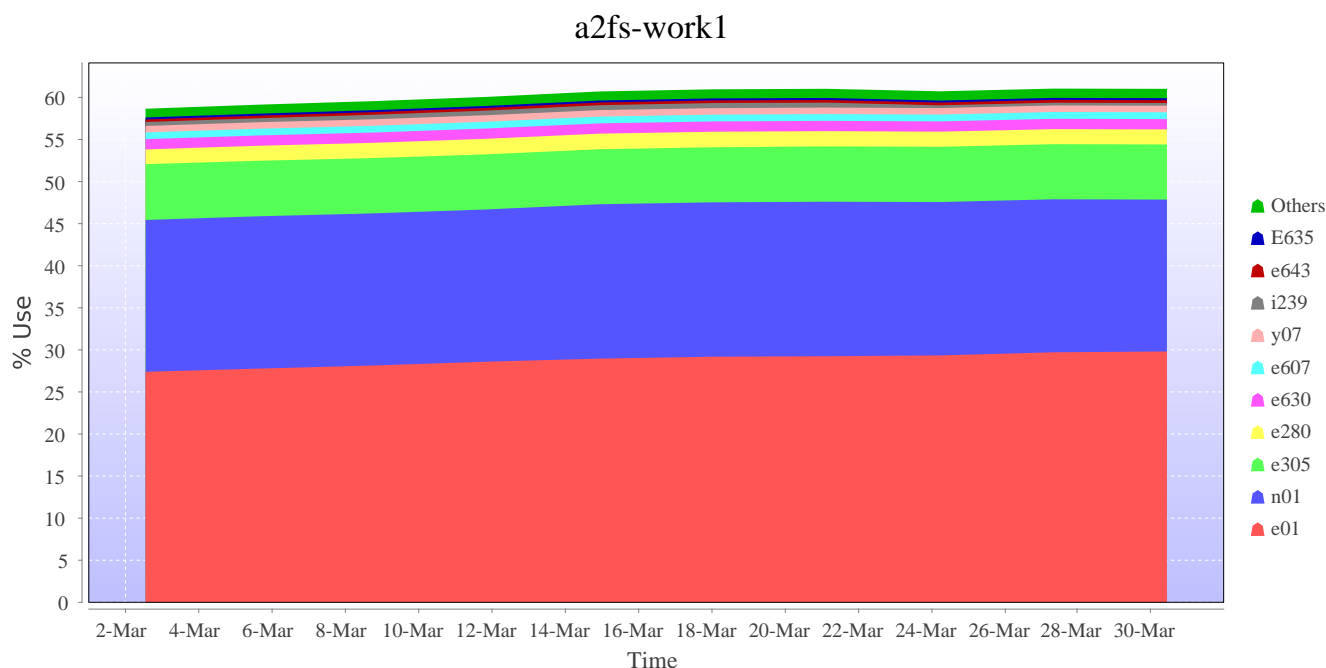
Disk usage for work-nVME (a2fs-nvme)

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.



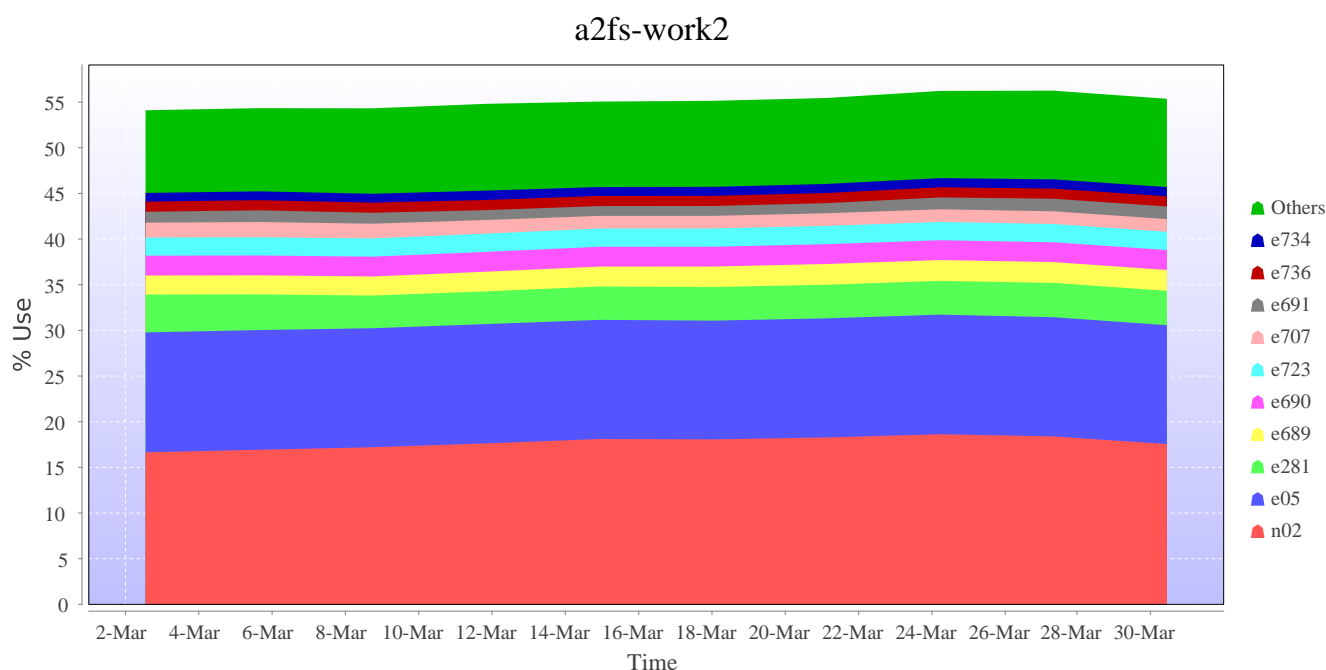
Disk usage for work (a2fs-work1)

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.



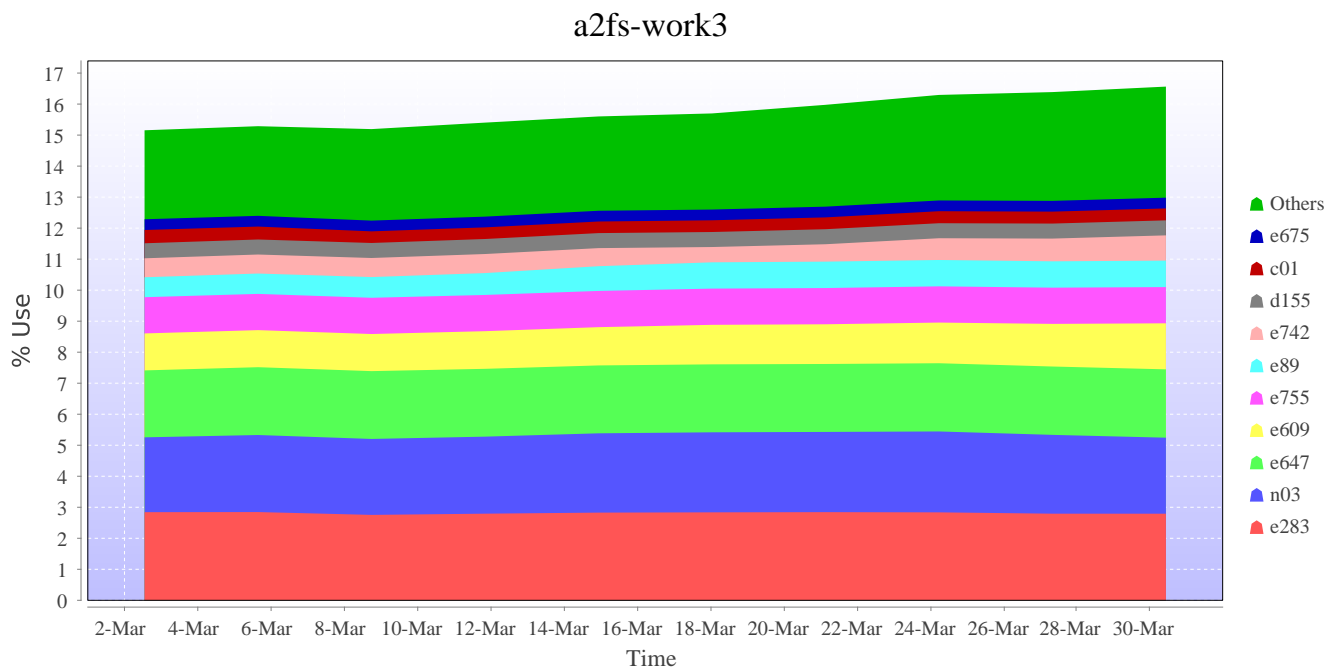
Disk usage for work (a2fs-work2)

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.



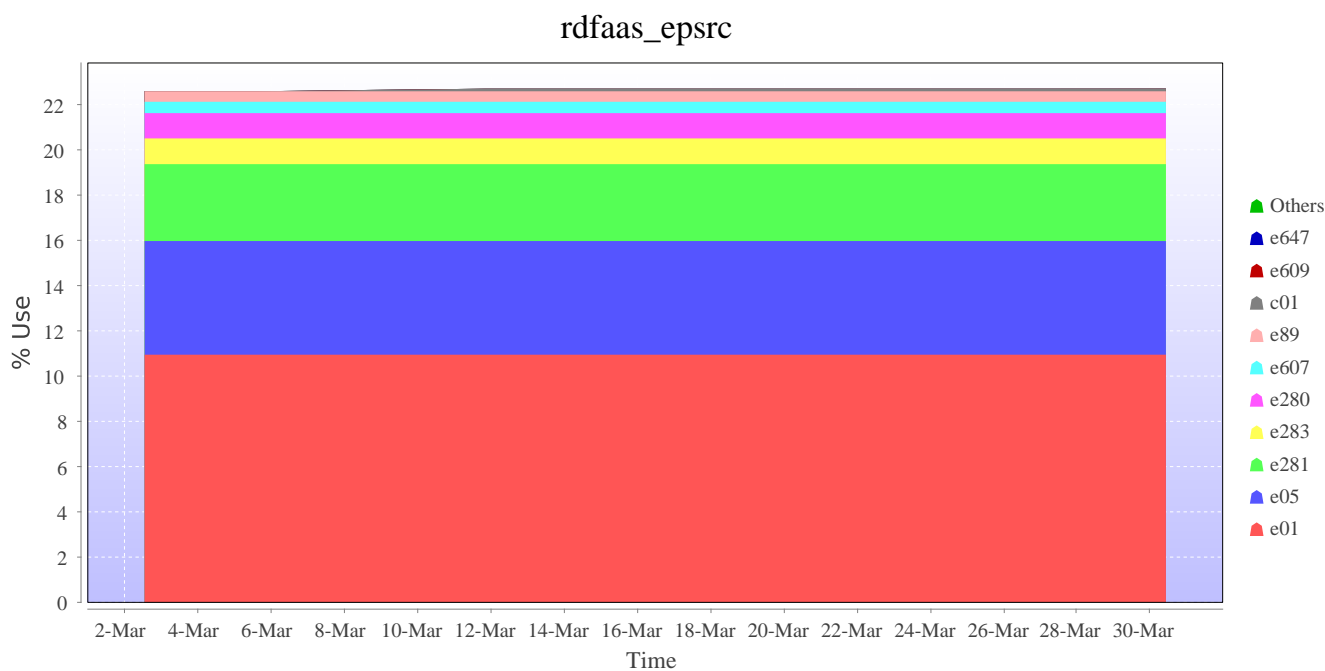
Disk usage for work (a2fs-work3)

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 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.

