

T2 activities report



Emmanuel Le Guirriec (CPPM)

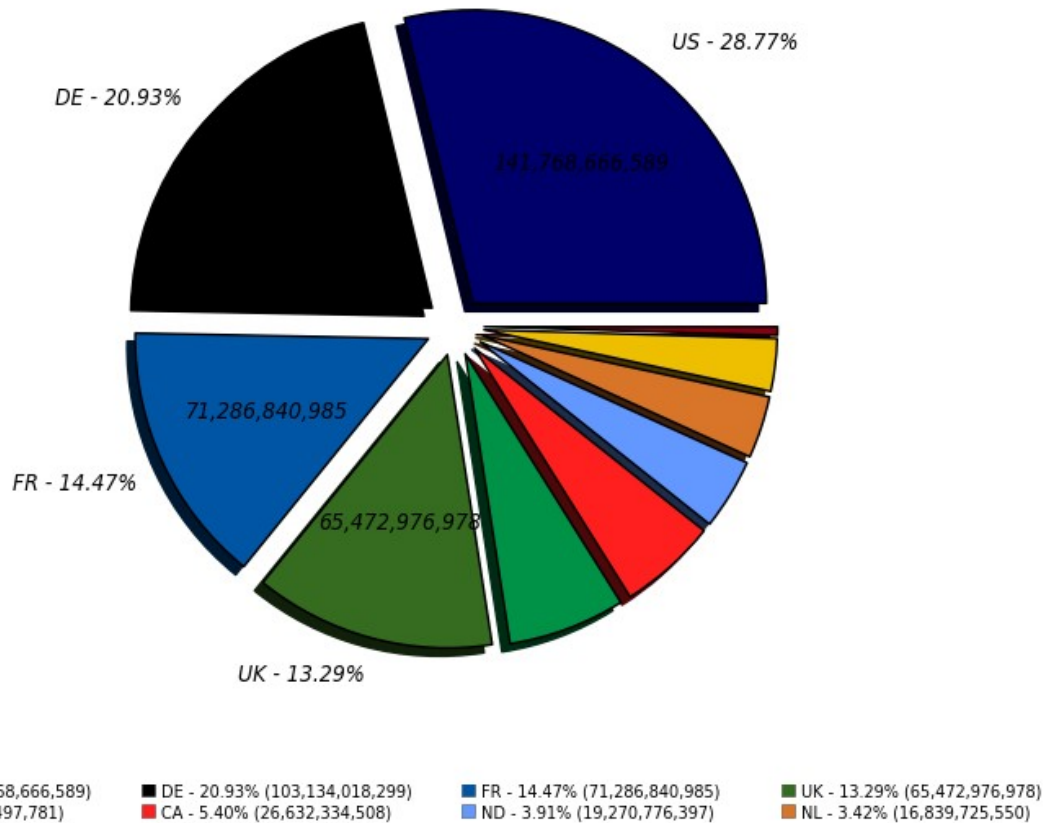
CAF meeting

February 8th – April 1st

CPU by processing clouds



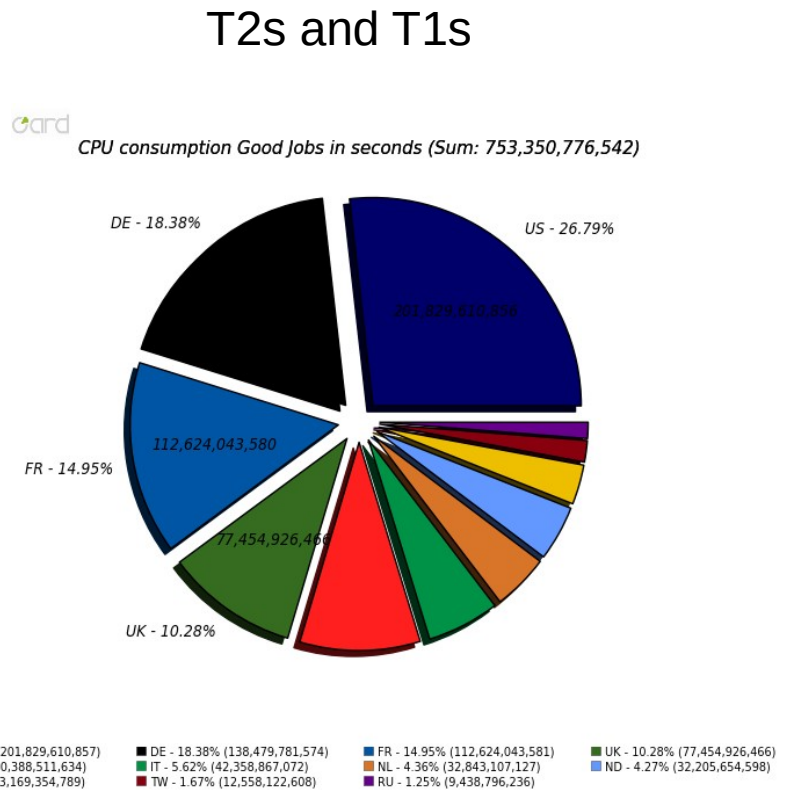
CPU consumption Good Jobs in seconds (Sum: 492,804,277,214)



T2s only
Last period 11.8%



CPU consumption Good Jobs in seconds (Sum: 753,350,776,542)



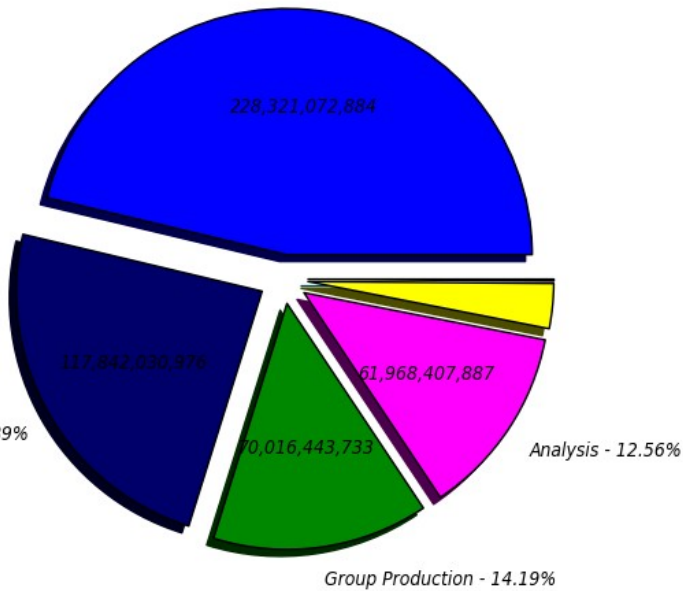
Last period 12.9%

CPU by activities

All T2s



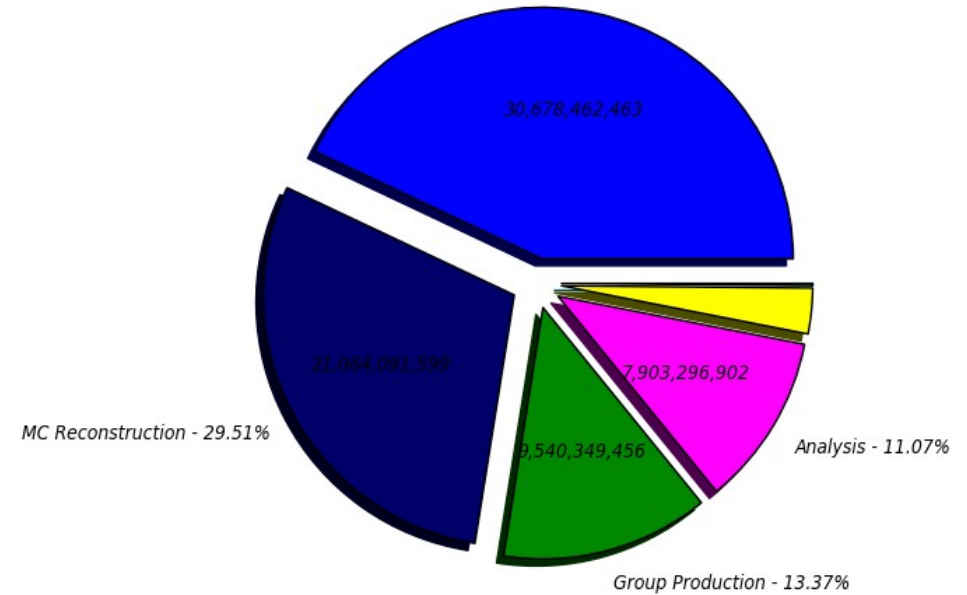
CPU consumption Good Jobs in seconds (Sum: 493,301,452,954)
MC Simulation - 46.28%



FR T2s



CPU consumption Good Jobs in seconds (Sum: 71,375,707,842)
MC Simulation - 42.98%



- MC Simulation - 46.28% (228,321,072,885)
- Group Production - 14.19% (70,016,443,733)
- Data Processing - 2.95% (14,538,826,978)
- MC Reconstruction - 23.89% (117,842,030,977)
- Analysis - 12.56% (61,968,407,887)
- Others - 0.12% (614,670,494)

- MC Simulation - 42.98% (30,678,462,463)
- Group Production - 13.37% (9,540,349,456)
- Data Processing - 2.93% (2,087,878,354)
- MC Reconstruction - 29.51% (21,064,091,599)
- Analysis - 11.07% (7,903,296,902)
- Others - 0.14% (101,629,068)

Last period Same MC simulation (46%)
More Group Production (22.4%)
Less reconstruction (17.3%)

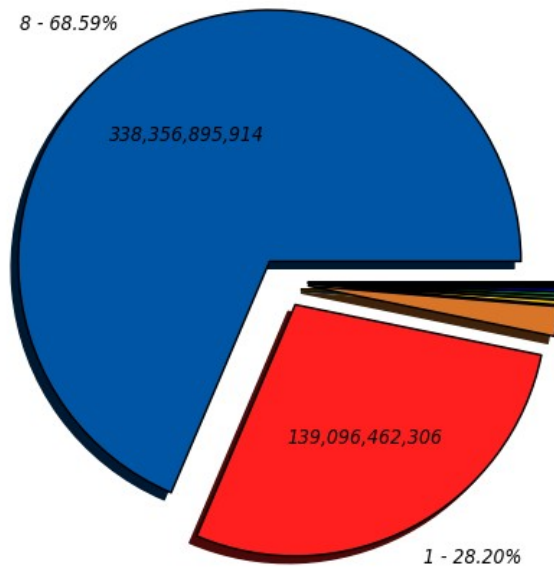
Last period More MC simulation (51%)
More Group Production (29.7%)
Less reconstruction (17.2%)

CPU by number of core



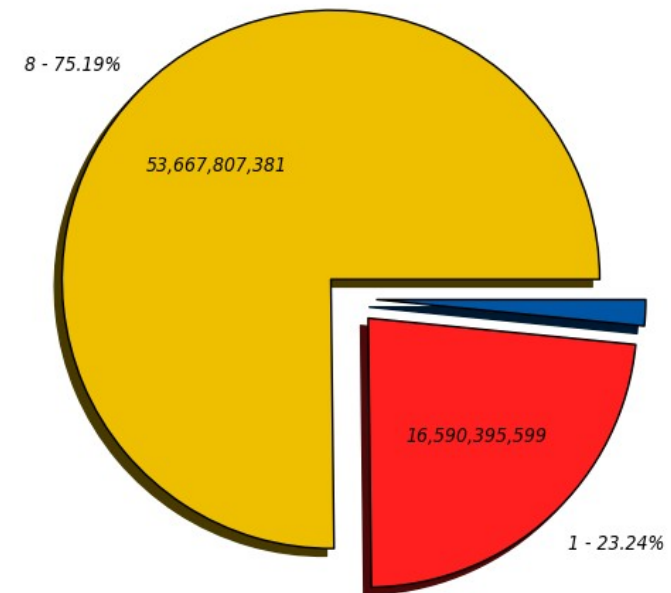
All T2s

CPU consumption Good Jobs in seconds (Sum: 493,301,452,954)



FR T2s

CPU consumption Good Jobs in seconds (Sum: 71,375,707,842)



8 - 68.59% (338,356,895,914)
 24 - 0.24% (1,182,864,112)
 14 - 0.10% (492,438,978)
 136 - 0.00% (0.00)

1 - 28.20% (139,096,462,306)
 12 - 0.23% (1,117,504,861)
 32 - 0.08% (412,831,627)
 20 - 0.00% (0.00)

16 - 1.90% (9,386,859,554)
 48 - 0.22% (1,062,153,229)
 40 - 0.03% (167,554,489)

4 - 0.29% (1,400,000,000)
 72 - 0.12% (580,000,000)
 64 - 0.00% (100,000,000)
 8 - 75.19% (53,667,807,381)

1 - 23.24% (16,590,395,600)

12 - 1.57% (1,117,504,861)

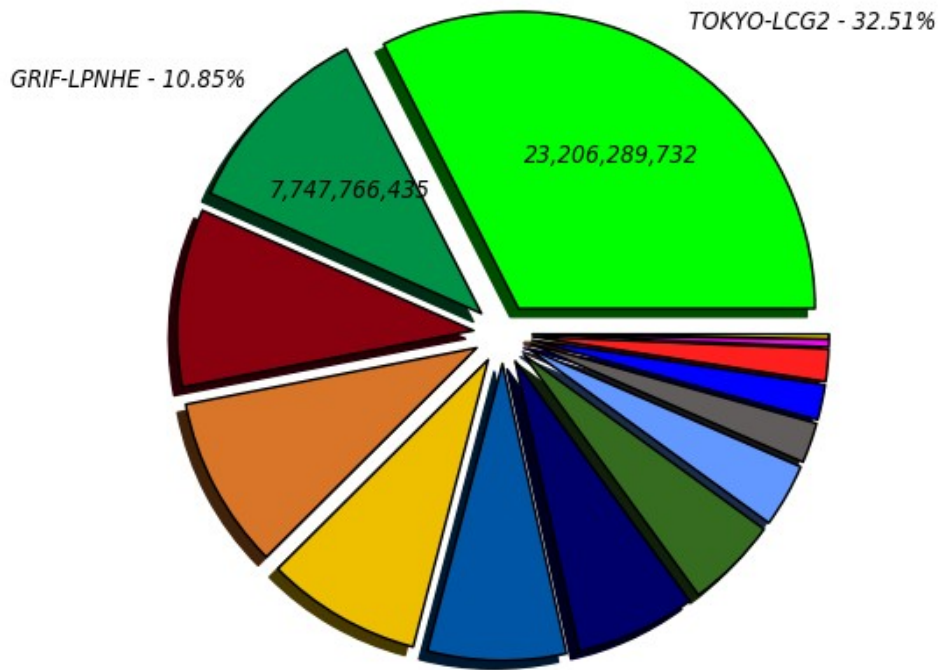
Last period: 73.5%

Last period: 82.7%

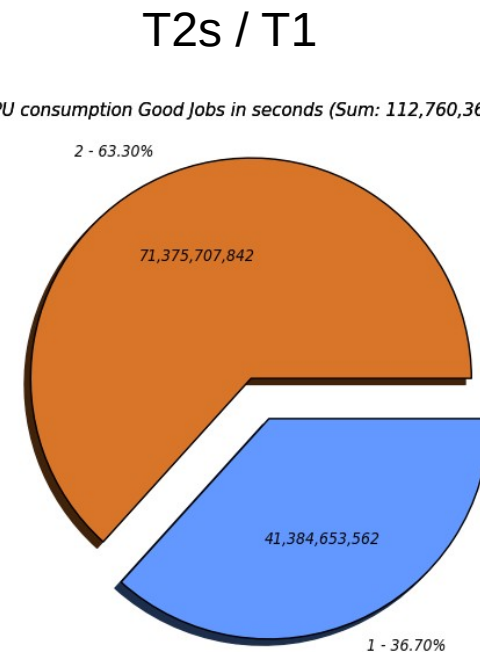
CPU in French cloud



CPU consumption Good Jobs in seconds (Sum: 71,375,707,842)



CPU consumption Good Jobs in seconds (Sum: 112,760,361,404)



2 - 63.30% (71,375,707,842) 1 - 36.70% (41,384,653,562)

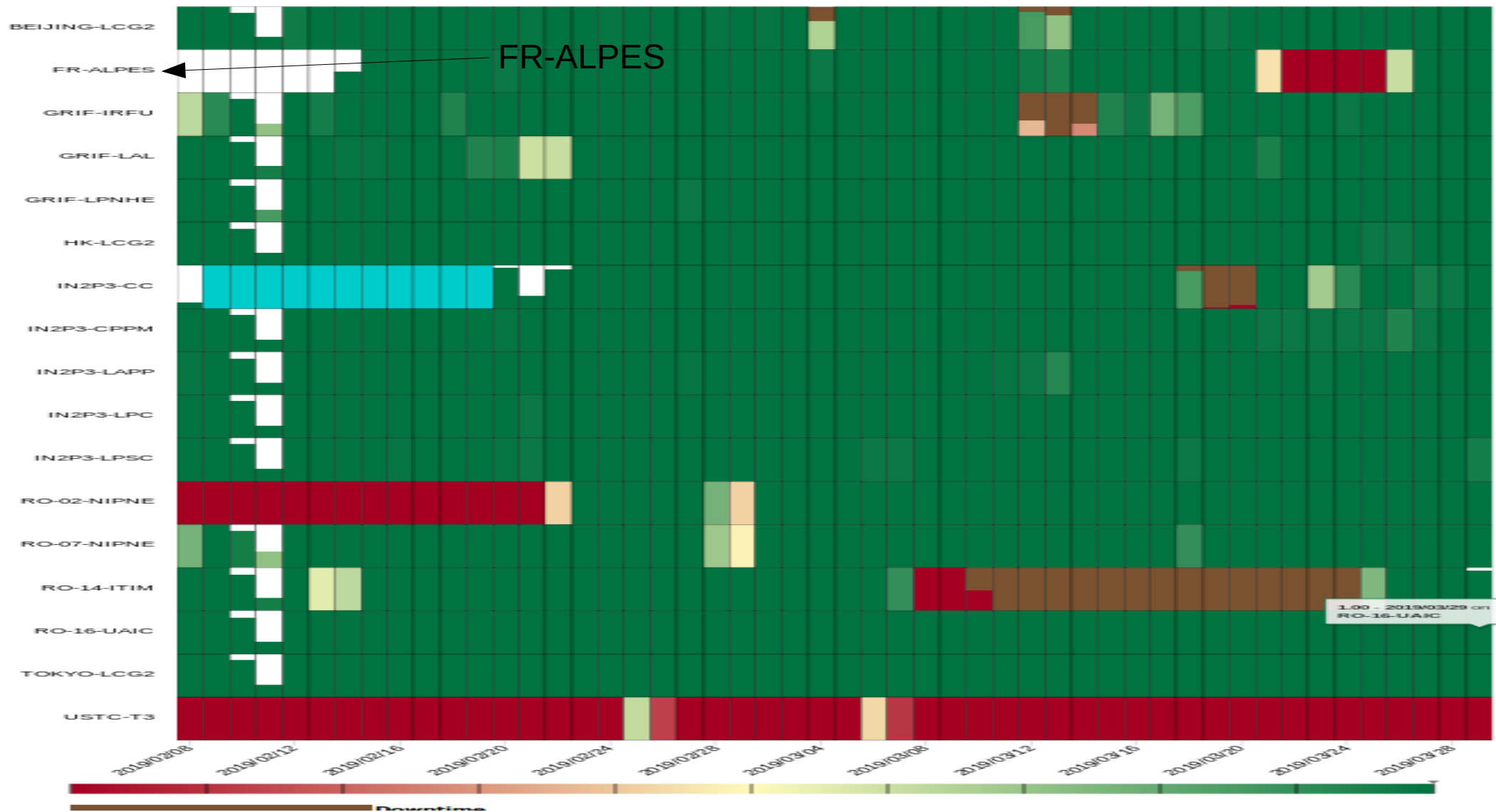
Last period: TOKYO 22.7%

T2s last period 59.9%

SAM tests

Site Availability using ATLAS_CRITICAL

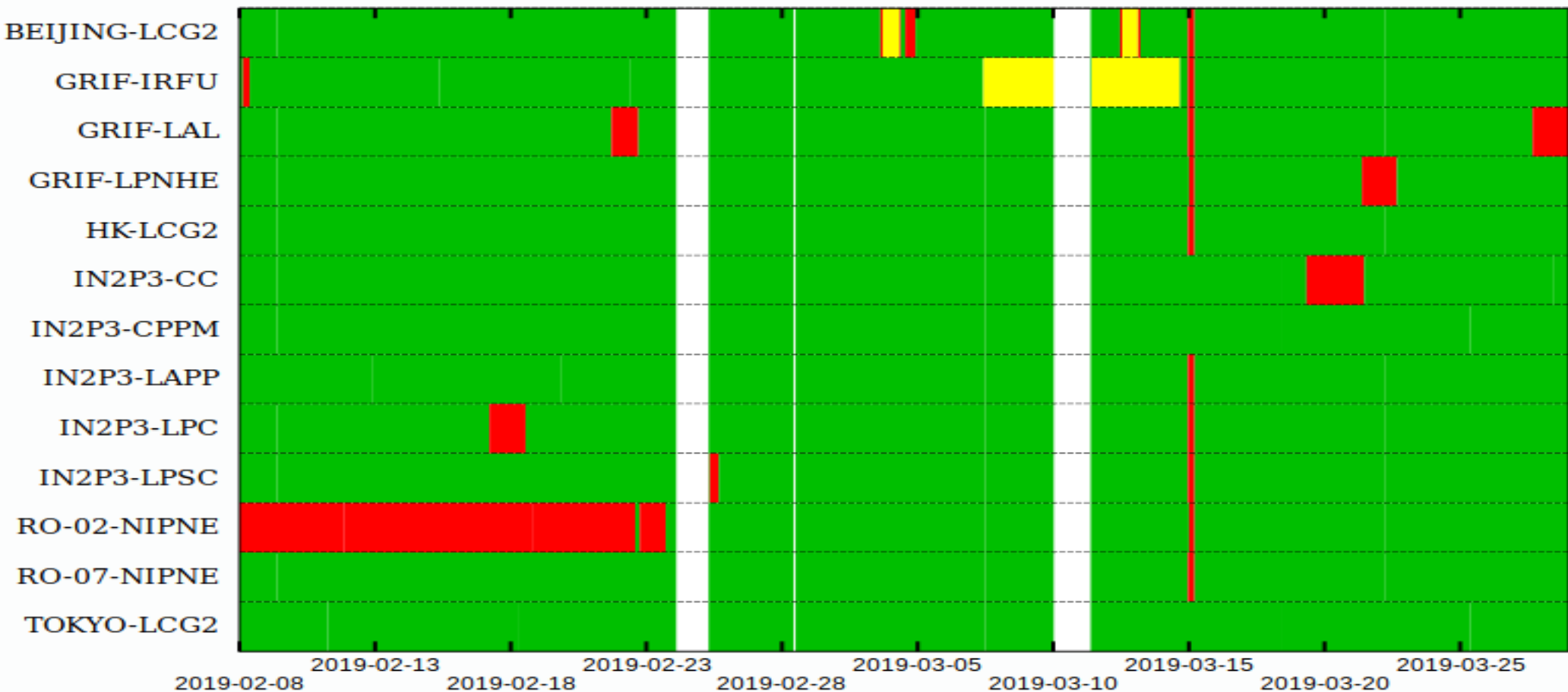
From 2019/02/08 to 2019/03/29



ASAP metric

Status of ASAP analy

1176 Hours from 2019-02-08 00:00 to 2019-03-29 00:00



- Site not available
- whole time in scheduled downtime
- Site available

Transfer: FR = destinations

	TRANSFER-	STAGING-	DELETION-	CA+	CERN+	DE+	ES+	FR+	IT+	ND+	NL+	ROAMING+	RU+	TW+	UK+	US+
TOTAL-	90 % 2 GB/s	66 % 91 MB/s	67 % 2 GB/s	84 % 152 MB/s	92 % 208 MB/s	85 % 288 MB/s	89 % 78 MB/s	97 % 219 MB/s	87 % 130 MB/s	89 % 82 MB/s	88 % 67 MB/s	100 % 166 kB/s	65 % 49 MB/s	81 % 26 MB/s	83 % 261 MB/s	86 % 486 MB/s
BEIJING-LCG2 FR+	91 % 39 MB/s	37 % 1 MB/s	65 % 42 MB/s	99 % 4 MB/s	99 % 3 MB/s	96 % 4 MB/s	94 % 1 MB/s	99 % 7 MB/s	92 % 2 MB/s	72 % 886 kB/s	97 % 974 kB/s		50 % 561 kB/s	99 % 264 kB/s	85 % 4 MB/s	91 % 11 MB/s
FR-ALPES_DATADISK FR+	29 % 205 kB/s	61 % 18 kB/s	100 % 0 kB/s	3 % 3 kB/s	70 % 2 kB/s	4 % 0 kB/s	5 % 0 kB/s	39 % 176 kB/s	6 % 0 kB/s	12 % 0 kB/s	11 % 18 kB/s		11 % 0 kB/s	5 % 0 kB/s	17 % 0 kB/s	3 % 5 kB/s
FR-ALPES_DATADISK_DATA LAKES FR+	57 % 78 kB/s	100 % 0 kB/s	100 % 0 kB/s	39 % 3 kB/s	86 % 13 kB/s	54 % 12 kB/s	46 % 4 kB/s	51 % 15 kB/s	49 % 8 kB/s	59 % 1 kB/s	54 % 4 kB/s		51 % 0 kB/s	42 % 0 kB/s	57 % 14 kB/s	58 % 3 kB/s
FR-ALPES_SCRATCHDISK FR+	28 % 2 kB/s	100 % 0 kB/s	100 % 0 kB/s	3 % 0 kB/s	71 % 2 kB/s	4 % 0 kB/s	5 % 0 kB/s	39 % 0 kB/s	5 % 0 kB/s	11 % 0 kB/s	10 % 0 kB/s		9 % 0 kB/s	3 % 0 kB/s	16 % 0 kB/s	3 % 0 kB/s
FR-ALPES_SCRATCHDISK_DATA LAKES FR+	78 % 75 kB/s	100 % 0 kB/s	100 % 0 kB/s	65 % 4 kB/s	84 % 8 kB/s	70 % 12 kB/s	61 % 2 kB/s	89 % 13 kB/s	64 % 8 kB/s	61 % 2 kB/s	70 % 5 kB/s		63 % 1 kB/s	42 % 0 kB/s	88 % 17 kB/s	74 % 3 kB/s
GRIF-IRFU FR+	76 % 152 MB/s	49 % 2 MB/s	100 % 176 MB/s	69 % 16 MB/s	71 % 12 MB/s	66 % 24 MB/s	58 % 7 MB/s	94 % 12 MB/s	57 % 10 MB/s	79 % 13 MB/s	68 % 4 MB/s		47 % 3 MB/s	76 % 1 MB/s	75 % 18 MB/s	75 % 32 MB/s
GRIF-LAL FR+	93 % 105 MB/s	82 % 5 MB/s	97 % 108 MB/s	85 % 7 MB/s	97 % 10 MB/s	93 % 13 MB/s	90 % 3 MB/s	98 % 12 MB/s	92 % 5 MB/s	84 % 2 MB/s	86 % 4 MB/s		96 % 3 MB/s	57 % 920 kB/s	95 % 12 MB/s	87 % 33 MB/s
GRIF-LPNHE FR+	94 % 113 MB/s	91 % 3 MB/s	100 % 122 MB/s	78 % 5 MB/s	98 % 9 MB/s	90 % 18 MB/s	92 % 3 MB/s	99 % 15 MB/s	83 % 6 MB/s	91 % 3 MB/s	96 % 2 MB/s		96 % 3 MB/s	45 % 3 MB/s	98 % 19 MB/s	88 % 28 MB/s
HK-LCG2 FR+	90 % 8 MB/s	51 % 382 kB/s	34 % 14 MB/s	85 % 646 kB/s	75 % 681 kB/s	87 % 748 kB/s	83 % 388 kB/s	99 % 995 kB/s	84 % 485 kB/s	89 % 124 kB/s	77 % 313 kB/s		19 % 517 kB/s	92 % 112 kB/s	89 % 718 kB/s	77 % 2 MB/s
IN2P3-CC FR+	92 % 524 MB/s	84 % 27 MB/s	38 % 547 MB/s	92 % 30 MB/s	98 % 58 MB/s	84 % 71 MB/s	97 % 24 MB/s	98 % 74 MB/s	94 % 34 MB/s	94 % 22 MB/s	93 % 23 MB/s	100 % 166 kB/s	94 % 13 MB/s	89 % 4 MB/s	73 % 69 MB/s	89 % 101 MB/s
IN2P3-CPPM FR+	90 % 153 MB/s	51 % 6 MB/s	100 % 160 MB/s	81 % 15 MB/s	68 % 13 MB/s	91 % 18 MB/s	63 % 5 MB/s	99 % 19 MB/s	83 % 9 MB/s	84 % 4 MB/s	89 % 5 MB/s		66 % 5 MB/s	72 % 2 MB/s	91 % 19 MB/s	82 % 38 MB/s
IN2P3-LAPP FR+	94 % 103 MB/s	58 % 8 MB/s	74 % 56 MB/s	93 % 9 MB/s	97 % 11 MB/s	95 % 13 MB/s	99 % 3 MB/s	99 % 12 MB/s	95 % 5 MB/s	98 % 2 MB/s	93 % 4 MB/s		50 % 2 MB/s	76 % 2 MB/s	96 % 24 MB/s	88 % 15 MB/s
IN2P3-LPC FR+	91 % 107 MB/s	27 % 4 MB/s	70 % 119 MB/s	87 % 9 MB/s	93 % 6 MB/s	95 % 28 MB/s	94 % 3 MB/s	99 % 11 MB/s	95 % 7 MB/s	90 % 3 MB/s	94 % 3 MB/s		41 % 2 MB/s	82 % 458 kB/s	95 % 14 MB/s	87 % 21 MB/s
IN2P3-LPSC FR+	95 % 80 MB/s	80 % 3 MB/s	95 % 88 MB/s	85 % 5 MB/s	98 % 9 MB/s	96 % 11 MB/s	93 % 2 MB/s	99 % 9 MB/s	87 % 6 MB/s	89 % 2 MB/s	97 % 2 MB/s		92 % 2 MB/s	91 % 561 kB/s	97 % 10 MB/s	91 % 21 MB/s
RO-02-NIPNE FR+	79 % 23 MB/s	83 % 2 MB/s	100 % 16 MB/s	57 % 1 MB/s	95 % 3 MB/s	45 % 3 MB/s	54 % 452 kB/s	98 % 1 MB/s	72 % 949 kB/s	83 % 312 kB/s	73 % 138 kB/s		82 % 717 kB/s	78 % 182 kB/s	45 % 3 MB/s	74 % 8 MB/s
RO-07-NIPNE FR+	83 % 154 MB/s	21 % 2 MB/s	75 % 128 MB/s	80 % 10 MB/s	90 % 9 MB/s	81 % 14 MB/s	78 % 2 MB/s	93 % 10 MB/s	76 % 7 MB/s	95 % 4 MB/s	81 % 2 MB/s		35 % 3 MB/s	85 % 1 MB/s	81 % 14 MB/s	78 % 77 MB/s
TOKYO-LCG2 FR+	97 % 466 MB/s	83 % 27 MB/s	100 % 622 MB/s	94 % 40 MB/s	98 % 65 MB/s	95 % 67 MB/s	94 % 23 MB/s	99 % 33 MB/s	95 % 35 MB/s	98 % 23 MB/s	97 % 16 MB/s		98 % 11 MB/s	95 % 10 MB/s	97 % 50 MB/s	97 % 92 MB/s
USTC-T3 FR+	32 % 21 MB/s	100 % 0 kB/s	54 % 3 MB/s	23 % 2 MB/s	6 % 495 kB/s	14 % 2 MB/s	17 % 268 kB/s	30 % 2 MB/s	79 % 2 MB/s	36 % 1 MB/s	22 % 975 kB/s		14 % 691 kB/s	15 % 357 kB/s	18 % 3 MB/s	26 % 6 MB/s

Transfer: FR = sources

	TRANSFER-	STAGING-	DELETION-	BEIJING-LCG2 FR+	FR-ALPES_DATADISK FR+	FR-ALPES_DATADISK_DATAKES	FR-ALPES_SCRATCHDISK FR+	FR-ALPES_SCRATCHDISK_DATAKES	GRIF-IRFU FR+	GRIF-LAL FR+	GRIF-LPNHE FR+	HK-LCG2 FR+	IN2P3-CC FR+	IN2P3-CPPM FR+	IN2P3-LAPP FR+	IN2P3-LPC FR+	IN2P3-LPSC FR+	RO-02-NIPNE FR+	RO-07-NIPNE FR+	RO-14-ITIM FR+	RO-16-UAIC FR+	TOKYO-LCG2 FR+	USTC-T3 FR+
TOTAL-	91 % 2 GB/s	66 % 923 MB/s	89 % 18 GB/s	92 % 13 MB/s	99 % 0 kB/s	99 % 0 kB/s	99 % 0 kB/s	100 % 1 kB/s	90 % 101 MB/s	94 % 46 MB/s	94 % 55 MB/s	92 % 18 MB/s	93 % 718 MB/s	92 % 51 MB/s	90 % 130 MB/s	91 % 43 MB/s	90 % 44 MB/s	68 % 8 MB/s	88 % 54 MB/s	99 % 45 kB/s	100 % 54 kB/s	93 % 397 MB/s	19 % 4 MB/s
CA+	88 % 141 MB/s	57 % 69 MB/s	94 % 2 GB/s	93 % 994 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	95 % 5 MB/s	95 % 4 MB/s	88 % 5 MB/s	92 % 2 MB/s	88 % 59 MB/s	86 % 4 MB/s	90 % 9 MB/s	94 % 5 MB/s	93 % 5 MB/s	15 % 308 kB/s	65 % 4 MB/s			92 % 38 MB/s	63 % 580 kB/s
CERN+	89 % 102 MB/s	81 % 193 MB/s	99 % 2 GB/s	92 % 498 kB/s	100 % 0 kB/s	100 % 0 kB/s	96 % 0 kB/s	100 % 0 kB/s	88 % 4 MB/s	84 % 2 MB/s	85 % 3 MB/s	93 % 1 MB/s	88 % 42 MB/s	73 % 3 MB/s	96 % 6 MB/s	76 % 3 MB/s	79 % 2 MB/s	100 % 2 MB/s	86 % 4 MB/s			91 % 28 MB/s	88 % 151 kB/s
DE+	88 % 242 MB/s	65 % 110 MB/s	95 % 3 GB/s	91 % 2 MB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	81 % 17 MB/s	94 % 10 MB/s	91 % 10 MB/s	92 % 3 MB/s	92 % 90 MB/s	80 % 8 MB/s	96 % 18 MB/s	82 % 6 MB/s	92 % 5 MB/s	17 % 1 MB/s	81 % 9 MB/s			92 % 61 MB/s	33 % 633 kB/s
ES+	91 % 57 MB/s	51 % 18 MB/s	99 % 701 MB/s	85 % 636 kB/s	99 % 0 kB/s	100 % 0 kB/s	98 % 0 kB/s	100 % 0 kB/s	94 % 3 MB/s	96 % 2 MB/s	97 % 3 MB/s	88 % 850 kB/s	97 % 23 MB/s	75 % 2 MB/s	97 % 4 MB/s	96 % 840 kB/s	94 % 3 MB/s	5 % 21 kB/s	94 % 2 MB/s			95 % 13 MB/s	17 % 427 kB/s
FR+	97 % 219 MB/s	66 % 91 MB/s	67 % 2 GB/s	96 % 2 MB/s	99 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 1 kB/s	98 % 11 MB/s	97 % 5 MB/s	98 % 7 MB/s	98 % 2 MB/s	97 % 118 MB/s	98 % 5 MB/s	97 % 18 MB/s	98 % 5 MB/s	97 % 6 MB/s	82 % 682 kB/s	96 % 6 MB/s	99 % 45 kB/s	100 % 54 kB/s	97 % 34 MB/s	20 % 632 kB/s
IT+	85 % 140 MB/s	51 % 96 MB/s	89 % 2 GB/s	86 % 1 MB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	93 % 17 MB/s	94 % 4 MB/s	96 % 5 MB/s	88 % 1 MB/s	86 % 50 MB/s	85 % 4 MB/s	94 % 11 MB/s	85 % 3 MB/s	57 % 5 MB/s	58 % 982 kB/s	87 % 7 MB/s			81 % 31 MB/s	53 % 378 kB/s
ND+	90 % 71 MB/s	81 % 27 MB/s	98 % 800 MB/s	81 % 360 kB/s	99 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	99 % 3 MB/s	99 % 2 MB/s	99 % 3 MB/s	98 % 1 MB/s	93 % 29 MB/s	97 % 2 MB/s	93 % 7 MB/s	96 % 2 MB/s	98 % 2 MB/s	100 % 245 kB/s	97 % 3 MB/s			93 % 17 MB/s	0 % 33 kB/s
NL+	93 % 56 MB/s	67 % 17 MB/s	71 % 728 MB/s	81 % 341 kB/s	99 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	95 % 3 MB/s	91 % 959 kB/s	97 % 932 kB/s	87 % 696 kB/s	95 % 21 MB/s	96 % 2 MB/s	98 % 3 MB/s	98 % 2 MB/s	96 % 2 MB/s	20 % 748 kB/s	96 % 2 MB/s			97 % 17 MB/s	100 % 16 kB/s
RU+	97 % 39 MB/s	48 % 21 MB/s	100 % 367 MB/s	99 % 241 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	99 % 1 MB/s	96 % 500 kB/s	96 % 938 kB/s	94 % 118 kB/s	98 % 18 MB/s	97 % 1 MB/s	97 % 3 MB/s	95 % 568 kB/s	93 % 550 kB/s	100 % 42 kB/s	97 % 1 MB/s			99 % 11 MB/s	96 % 23 kB/s
TW+	92 % 28 MB/s	73 % 10 MB/s	97 % 311 MB/s	99 % 92 kB/s	96 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	98 % 1 MB/s	97 % 658 kB/s	89 % 2 MB/s	88 % 235 kB/s	89 % 16 MB/s	95 % 1 MB/s	97 % 721 kB/s	95 % 966 kB/s	99 % 872 kB/s	80 % 39 kB/s	87 % 917 kB/s			97 % 4 MB/s	93 % 18 kB/s
UK+	85 % 231 MB/s	60 % 120 MB/s	84 % 2 GB/s	90 % 2 MB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	91 % 19 MB/s	94 % 5 MB/s	89 % 7 MB/s	82 % 3 MB/s	90 % 91 MB/s	89 % 6 MB/s	81 % 25 MB/s	94 % 5 MB/s	80 % 5 MB/s	0 % 0 kB/s	80 % 6 MB/s			90 % 56 MB/s	33 % 510 kB/s
US+	84 % 356 MB/s	78 % 152 MB/s	98 % 3 GB/s	83 % 3 MB/s	100 % 0 kB/s	90 % 0 kB/s	100 % 0 kB/s	100 % 0 kB/s	73 % 17 MB/s	84 % 10 MB/s	87 % 9 MB/s	87 % 2 MB/s	89 % 163 MB/s	88 % 12 MB/s	71 % 25 MB/s	78 % 9 MB/s	80 % 8 MB/s	72 % 2 MB/s	81 % 9 MB/s			88 % 86 MB/s	26 % 661 kB/s