



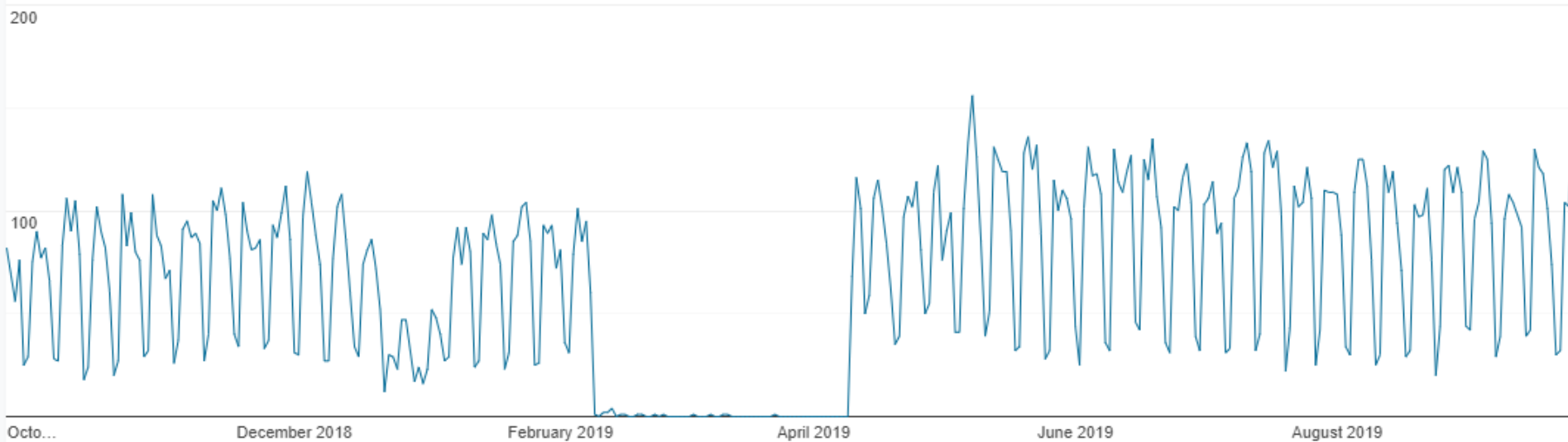
CASA Telemetry - 2019

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CASAdocs Activity

<https://casa.nrao.edu/casadocs>
9/25/2018 – 9/25/2019



1 Day Active Users

141

% of Total: 100.00% (141)

7 Day Active Users

470

% of Total: 100.00% (470)

14 Day Active Users

882

% of Total: 100.00% (882)

28 Day Active Users

1,625

% of Total: 100.00% (1,625)

Unique users in last 24-hours from 9/25

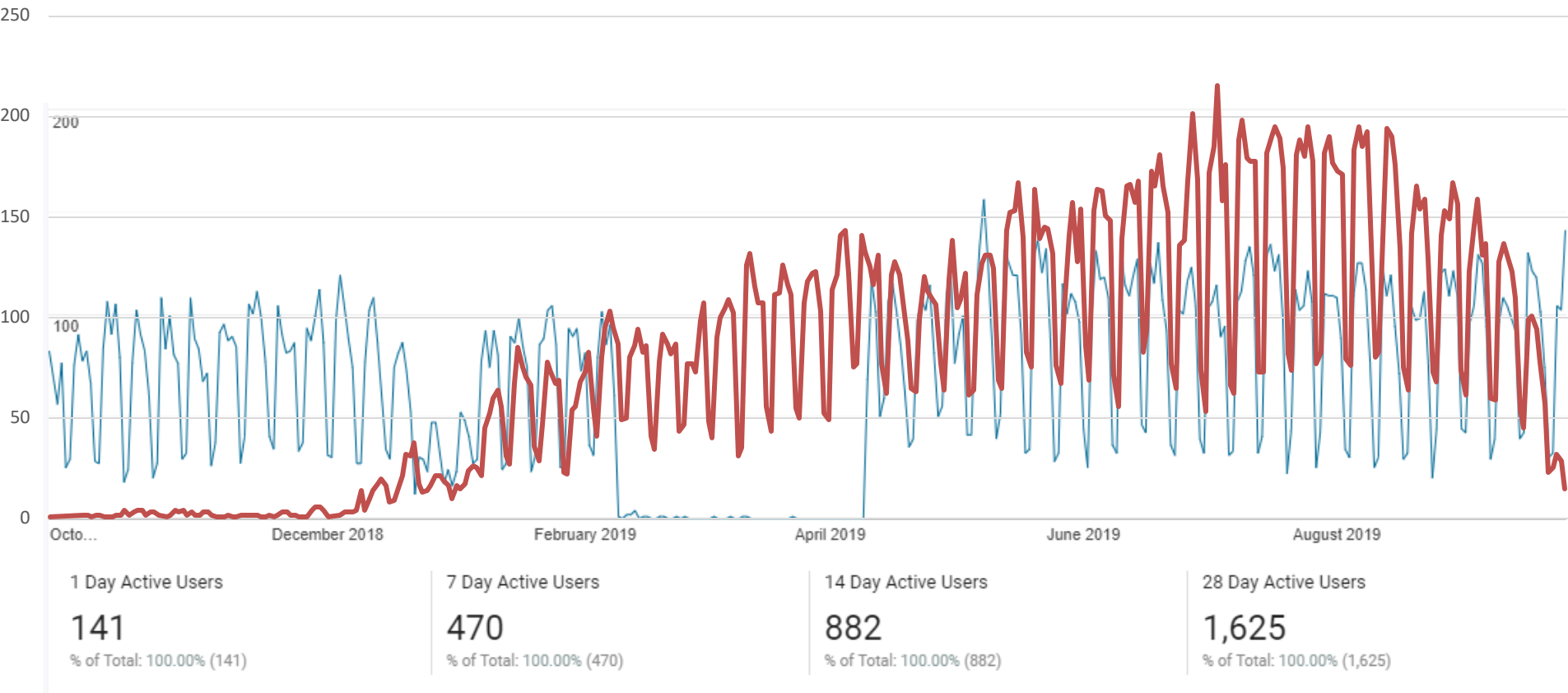
Unique users in last week ending 9/25

Session Duration [?]	Sessions [?]	Pageviews [?]
0-10 seconds	17,819	19,869
11-30 seconds	2,126	6,858
31-60 seconds	1,585	6,346
61-180 seconds	2,617	13,312
181-600 seconds	2,613	16,947
601-1800 seconds	2,574	19,625
1801+ seconds	731	11,401

Telemetry Overlay

<https://casa.nrao.edu/casadocs>

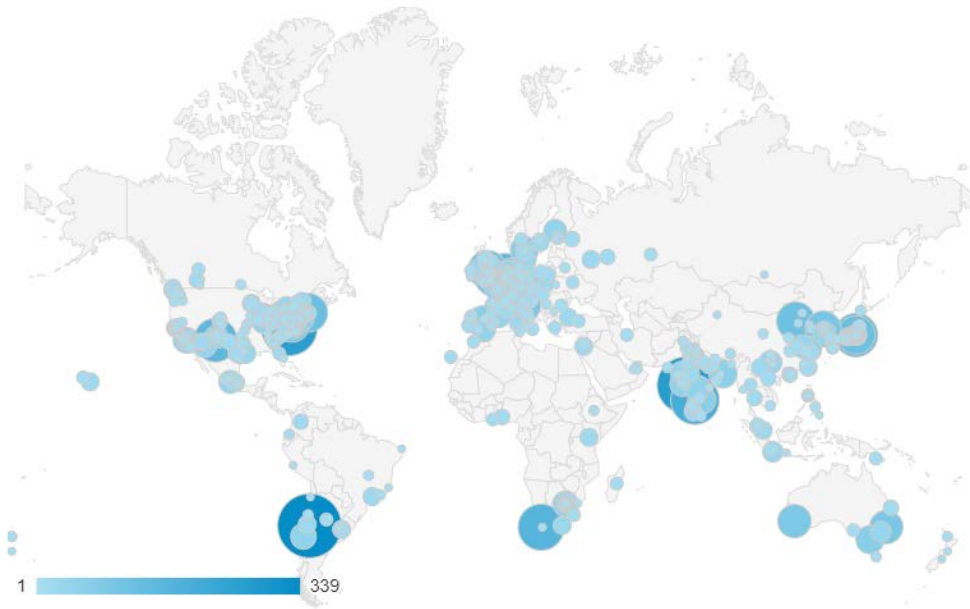
9/25/2018 – 9/25/2019



CASAdocs User Location

<https://casa.nrao.edu/casadocs>

9/25/2018 – 9/25/2019



1.	Santiago	339
2.	Pune	270
3.	Charlottesville	259
4.	Mitaka	254
5.	Bengaluru	202
6.	Cape Town	171
7.	Leiden	165
8.	Socorro	158
9.	Garching	157
10.	Cambridge	127

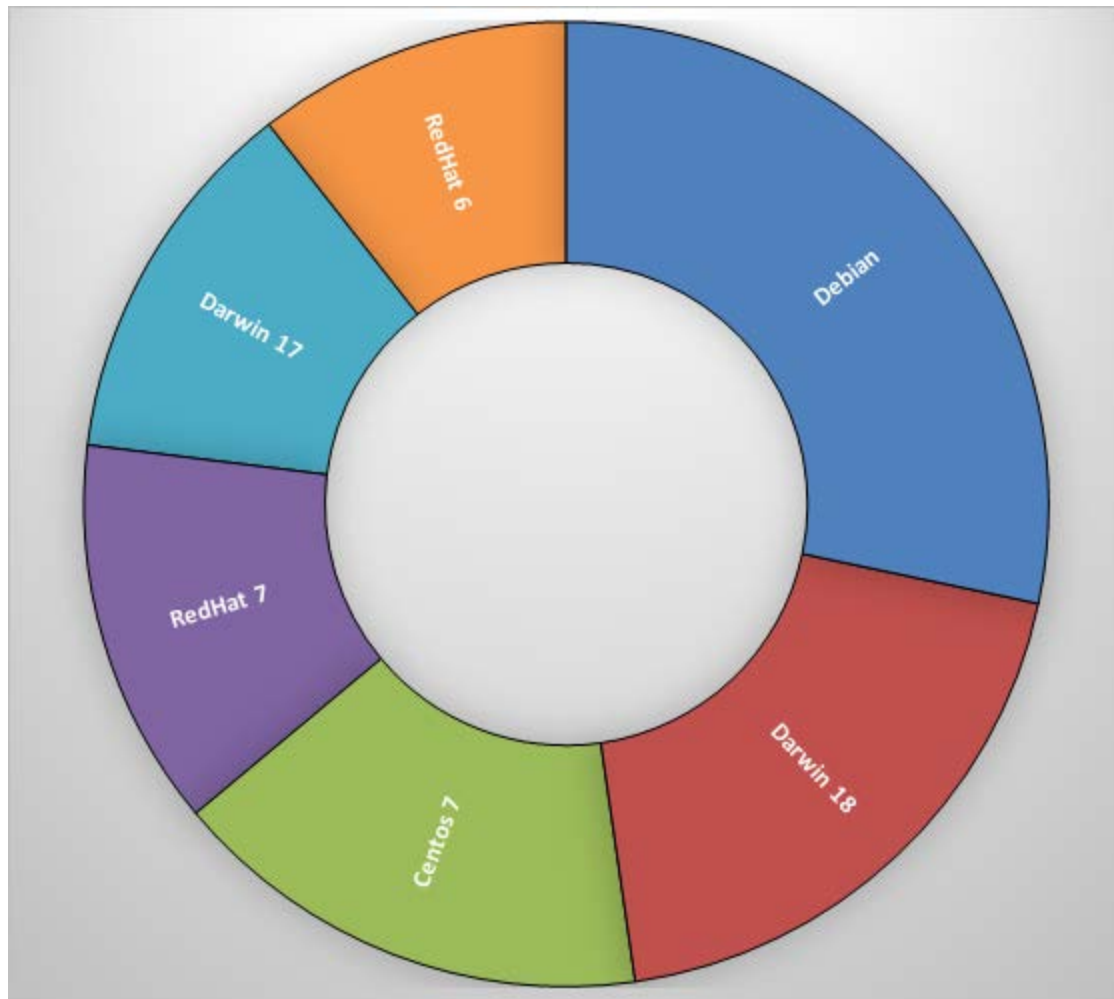
CASA 5.4 - Top Tasks

Task	Instances	Users	Runtime Avg (s)	Runtime Med (s)	Runtime Max (s)
listobs	65,555	635	223.5	5.0	1,707,661.0
viewer	20,289	627	11,704.3	3.0	1,494,087.0
plotms	114,822	595	901.6	12.0	587,544.0
tclean	350,238	563	37,421.3	53.9	3,564,353.0
split	48,287	517	867.6	20.0	611,911.0
flagdata	63,880	433	1,302.3	30.0	532,550.0
exportfits	92,526	429	14,336.6	7.0	2,927,080.0
applycal	19,036	397	14,318.5	128.8	652,470.0
gaincal	29,347	386	6,804.4	61.6	1,699,148.0
flagmanager	9,964	299	3,171.5	16.0	589,380.0
setjy	21,794	288	6,781.5	53.2	902,827.0
gencal	17,481	279	1,112.0	11.1	433,708.0
bandpass	3,843	255	5,004.1	84.1	603,325.0
imstat	174,042	229	8,042.5	2.0	1,219,605.0
importasdm	5,674	228	1,815.1	389.6	458,588.0
plotcal	48,664	223	147.9	4.0	366,315.0
mstransform	32,852	223	405.5	154.9	434,786.0
clean	36,196	220	9,559.8	357.7	1,062,533.0
fluxscale	1,824	219	11,033.0	4.0	603,343.0
imhead	43,854	215	250.1	5.0	718,906.0
statwt	4,772	205	2,775.9	588.5	530,270.0
plotweather	4,072	200	2,247.5	6.0	433,725.0

CASA 5.5 - Top Tasks

Task	Instances	Users	Runtime Avg (s)	Runtime Med (s)	Runtime Max (s)
viewer	16,896	406	3.5	1.3	1,371.0
tclean	65,216	348	1,191.9	195.1	832,425.1
listobs	9,035	347	2.1	0.2	573.0
plotms	62,180	327	8.1	1.1	5,630.9
split	10,599	262	56.8	5.2	22,364.8
exportfits	69,728	256	0.2	0.0	896.9
gaincal	17,174	245	65.0	10.6	7,364.0
flagdata	30,532	244	70.0	1.7	147,397.9
applycal	11,997	239	74.5	7.5	10,450.6
imhead	56,943	185	0.7	0.0	708.8
imstat	341,938	180	0.2	0.0	1,757.4
immoments	9,261	153	8.9	1.0	1,693.5
plotcal	6,047	135	4.9	1.5	669.2
flagmanager	8,080	133	2.6	0.4	281.8
ParallelDataHelper	6,837	132	59.7	2.0	10,036.9
bandpass	1,808	126	87.5	6.7	79,445.7
immath	17,152	119	3.4	0.2	5,899.0
uvcontsub	4,083	119	275.4	6.9	114,562.2
concat	2,043	118	397.1	9.9	78,462.2
clean	15,922	109	211.6	4.6	501,730.9
setjy	3,282	107	17.6	3.8	3,643.2
gencal	6,683	103	1.2	0.2	604.5
plotants	507	103	4.7	0.5	1,518.4
importfits	8,974	102	1.8	0.8	709.5

Usage by OS



OS	Users
Debian	452
Darwin 18	310
Centos 7	259
RedHat 7	208
Darwin 17	199
RedHat 6	169
Darwin 16	70
Centos 6	44
Fedora	26

Crash Reports

5.4.1

Task	Instances	Crashes	Error %
listfits	2	2	100
importgmt	2	1	50
clearcal	38	1	2.6316
setjy	325	1	0.3077
tclean	15761	36	0.2284
applycal	997	2	0.2006
gaincal	1040	2	0.1923
statwt	1119	2	0.1787
split	2653	4	0.1508
plotcal	894	1	0.1119
flagdata	2196	2	0.0911

5.5

Task	Instances	Crashes	Error %
importvla	14	1	7.1429
tclean	10203	36	0.3528
plotcal	1472	4	0.2717
clean	370	1	0.2703
listobs	1307	1	0.0765
flagdata	2364	1	0.0423
split	3228	1	0.031
plotms	3490	1	0.0287