name	nodes	platform	version	sockets	cores	threads	mem	days	days.shown	AWR.Miner.Capture	AWR.Miner.Graph
CENSUS	2	Linux_x86_64–bit	11.2.0.2.0	16	128	256	2018.8	9.5	9.5	3.0.3	3.0.12

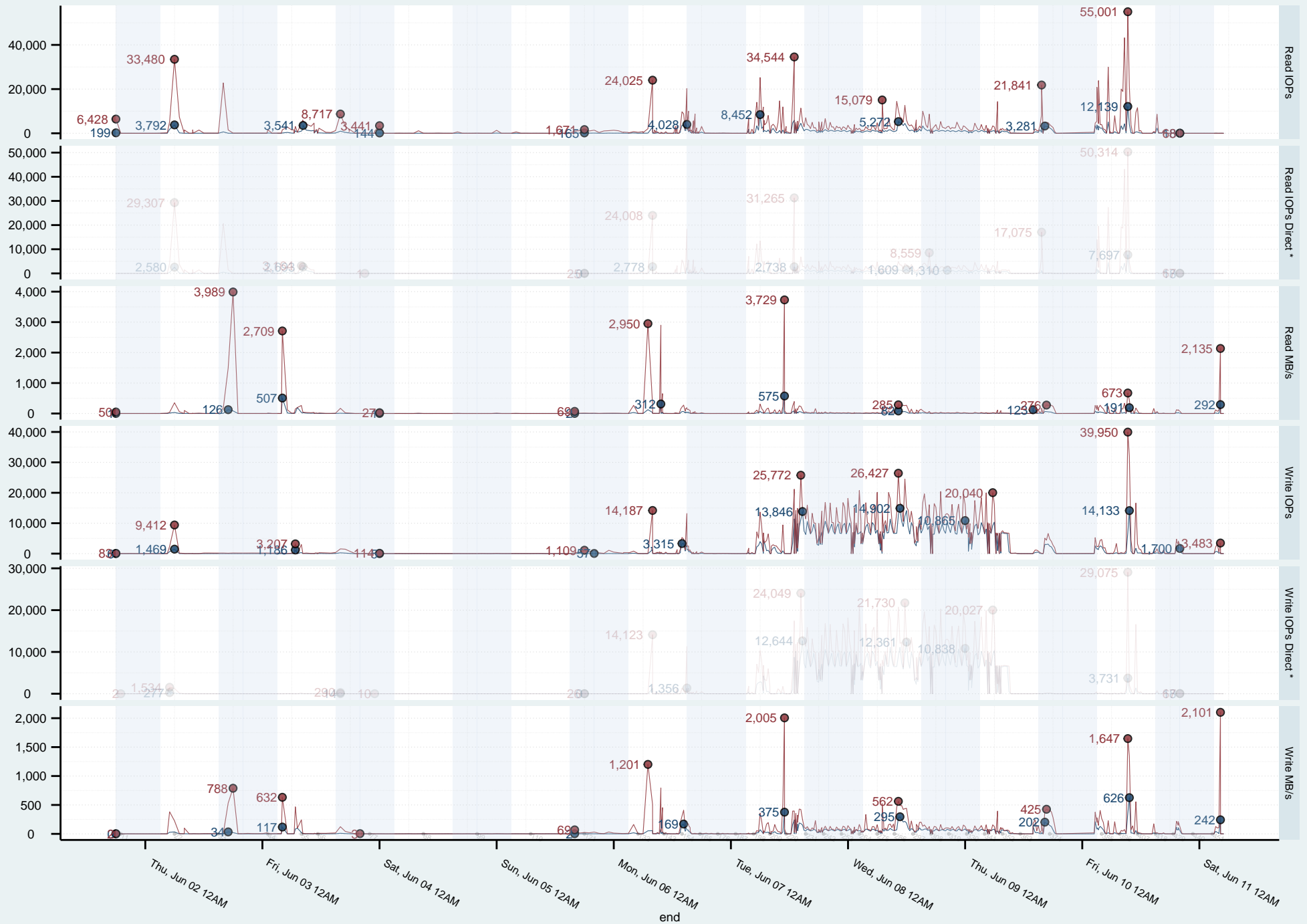| cpu	r_iops	w_iops	r_mb_s	w_mb_s	logons_total	exec_s	commits_s	aas	sga	pga	memused	sizegb
46.4	55001.6	39950	3989.4	2102.4	698	99799.2	17787.4	1035.5	120	10	130	717

HOSTS exg4db01,exg4db02

Average Active Sessions by Wait Class – CENSUS
Only Values >= 95th Percentile
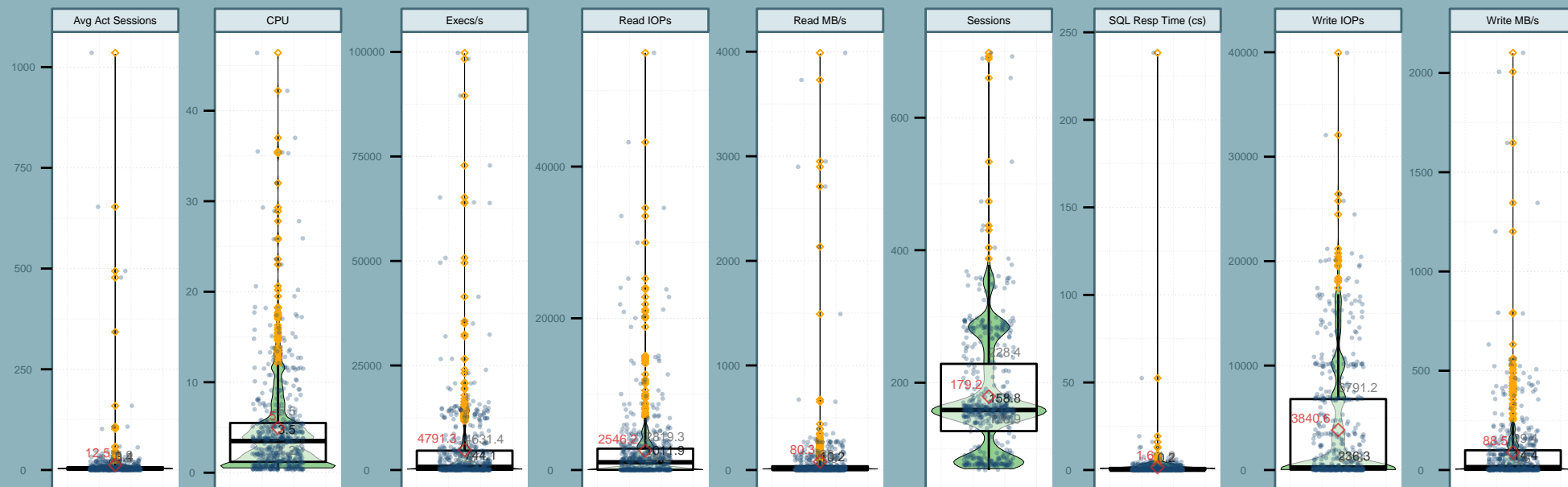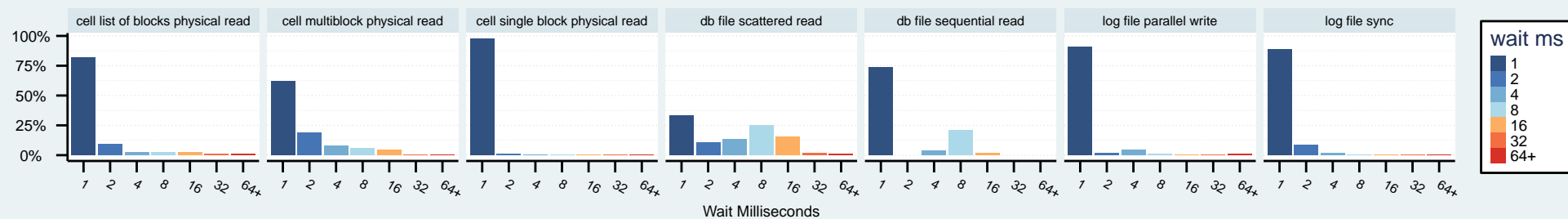
CPU Avg and Max by Instance for CENSUS
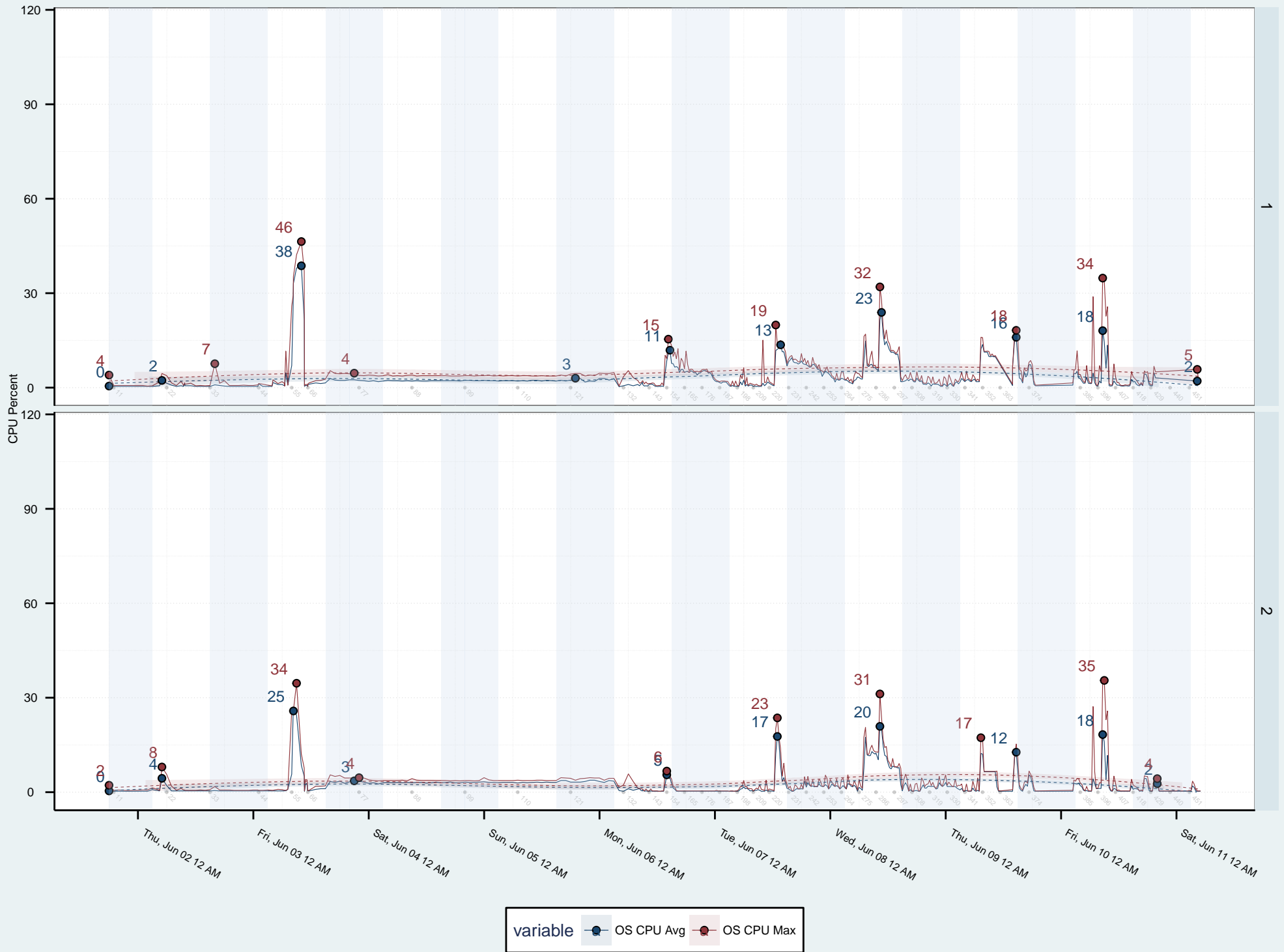
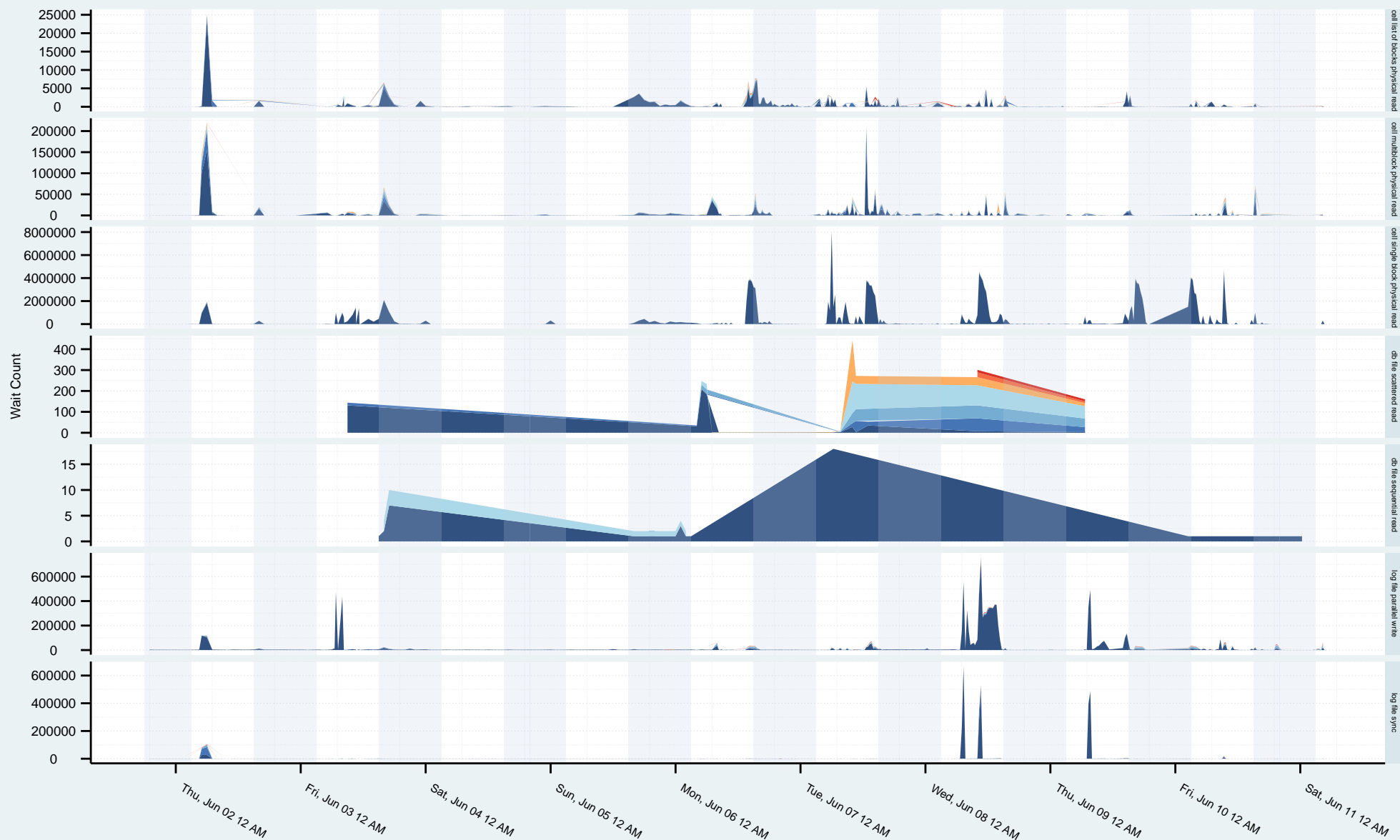IO Avg and Max by IO Type for CENSUS

I/O Wait Event Histogram

I/O Wait Event Area Chart

Average Active Sessions (AAS) for CENSUS
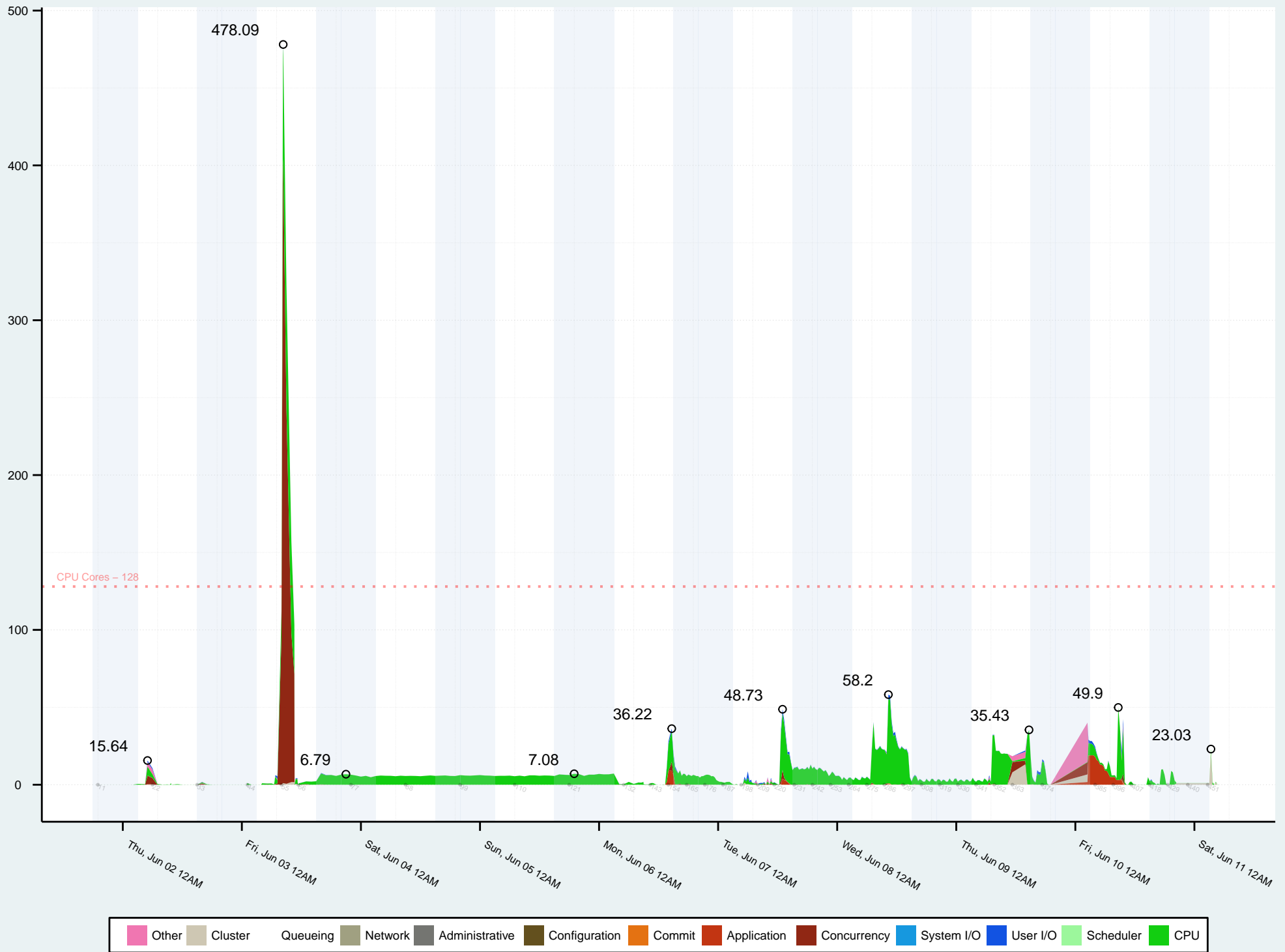
Average Active Sessions by Wait Class – CENSUS
Only Values >= 95th Percentile

Other

Cluster

4.12 25.33

Configuration

13.18 4.91 20.84

5.19

Application

3.82 19.01

Concurrency

402.93

5.35 5.82 5.66 6.5 7.84

User I/O

4.14 4.42

CPU

5.61 79.1 6.78 7.04 19.49 36.29 54.23 34.91 46.53

Thu, Jun 02 12AM   Fri, Jun 03 12AM   Sat, Jun 04 12AM   Sun, Jun 05 12AM   Mon, Jun 06 12AM   Tue, Jun 07 12AM   Wed, Jun 08 12AM   Thu, Jun 09 12AM   Fri, Jun 10 12AM   Sat, Jun 11 12AM
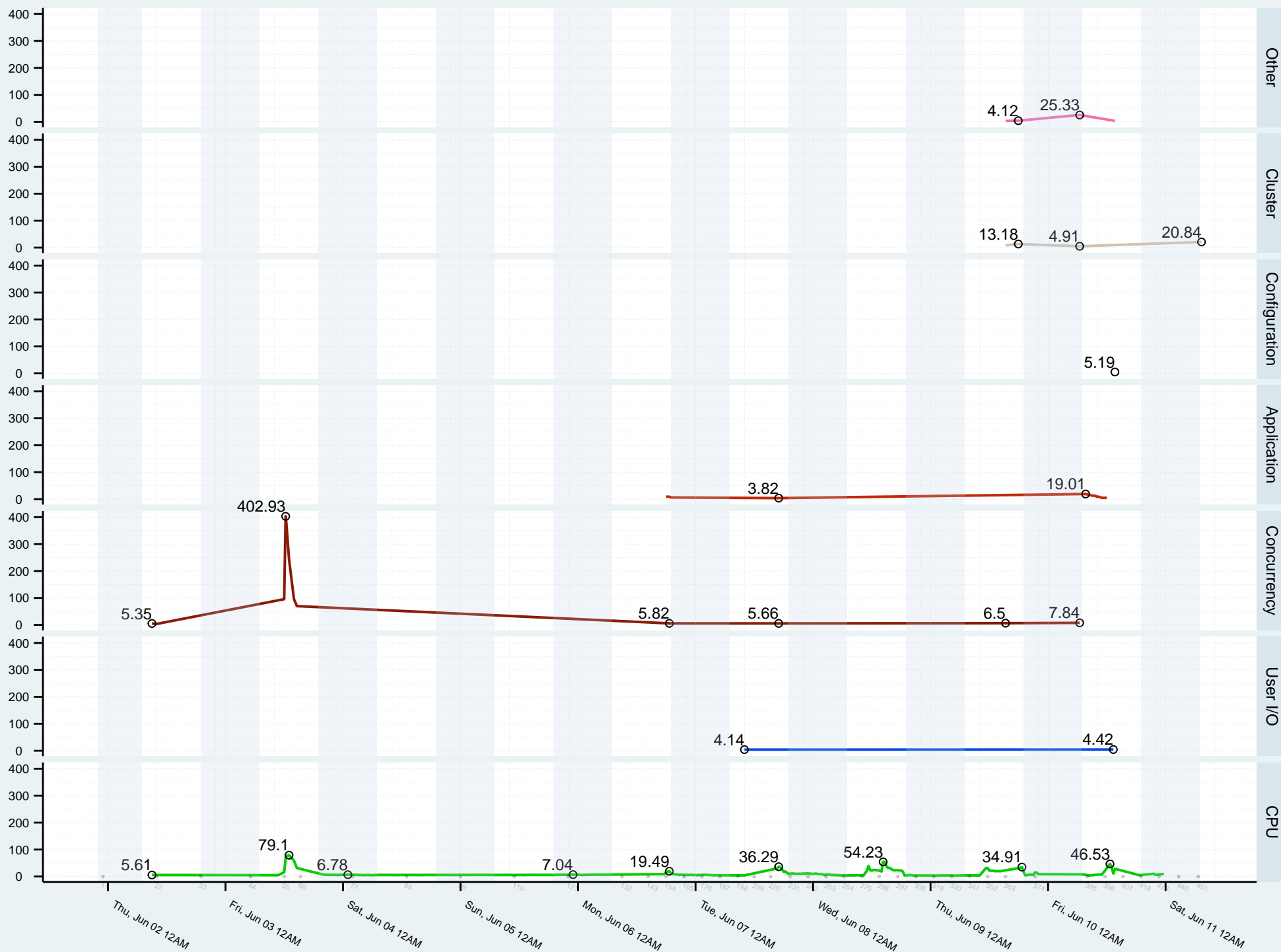
Average Active Sessions Summarized by Day and Hour for CENSUS

Legend: Other, Cluster, Queueing, Network, Administrative, Configuration, Commit, Application, Concurrency, System I/O, User I/O, Scheduler, CPU
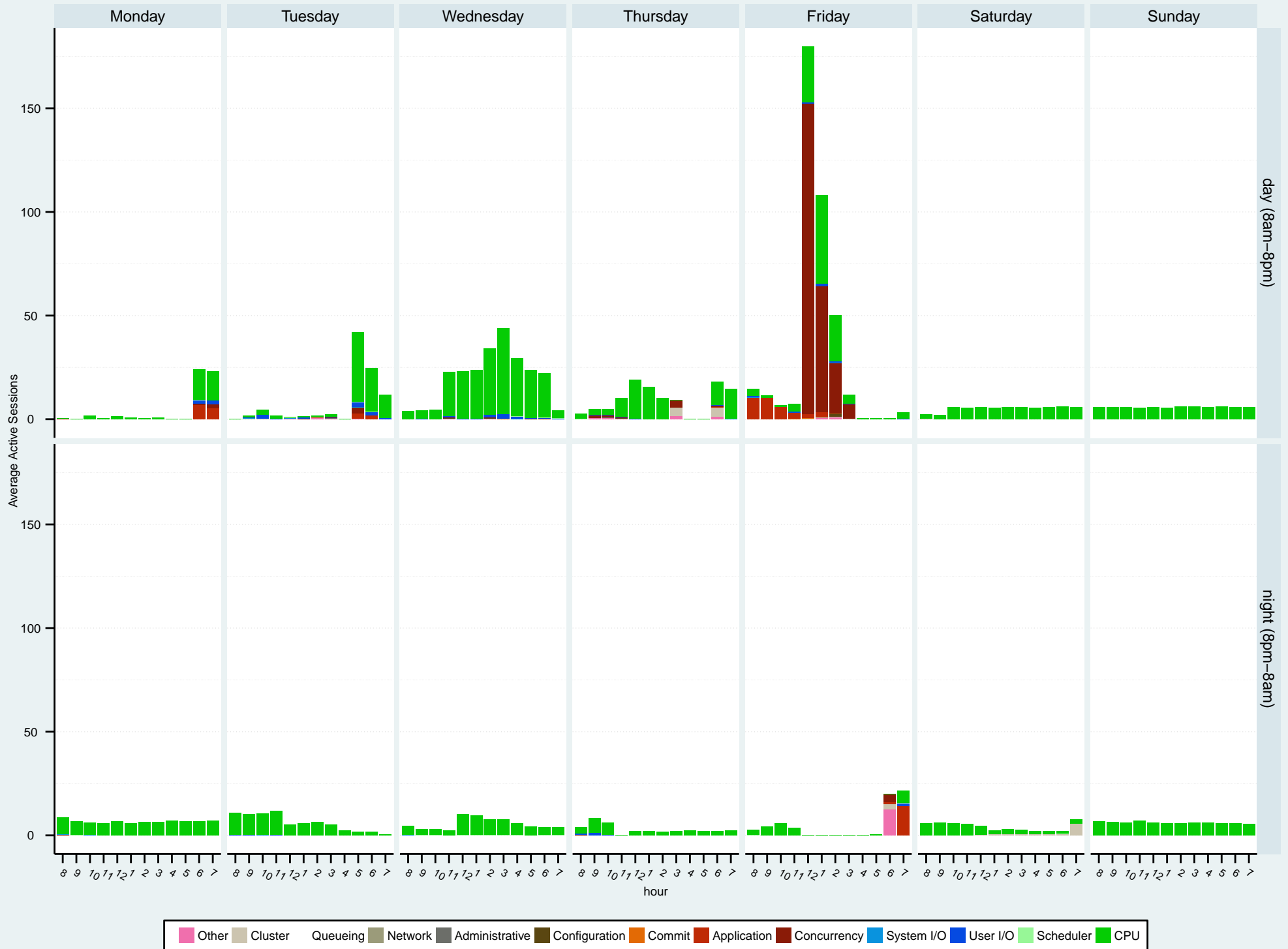
Main Activity Variables for CENSUS
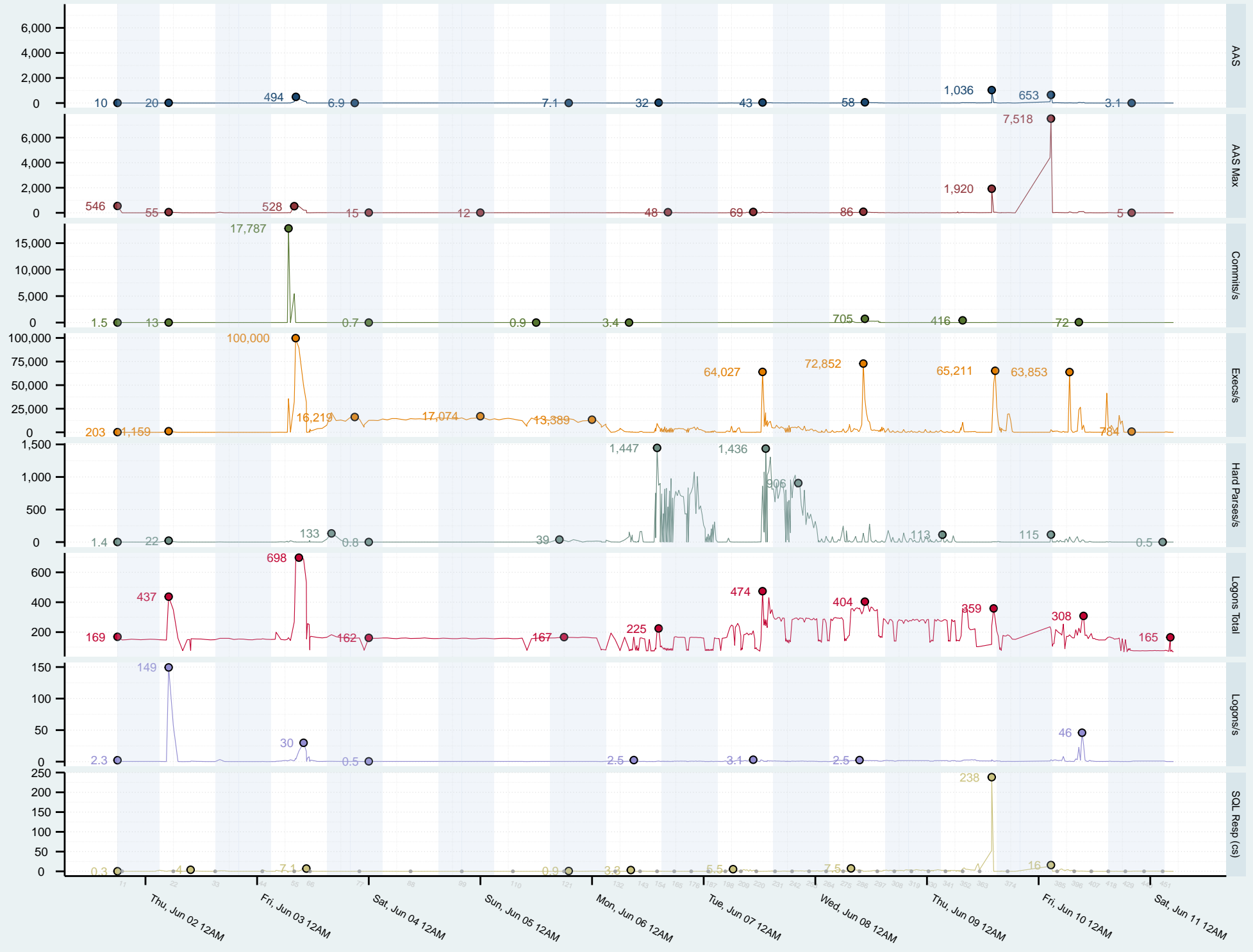
Global Cache Attributes for CENSUS

Total Memory Usage in GB for CENSUS

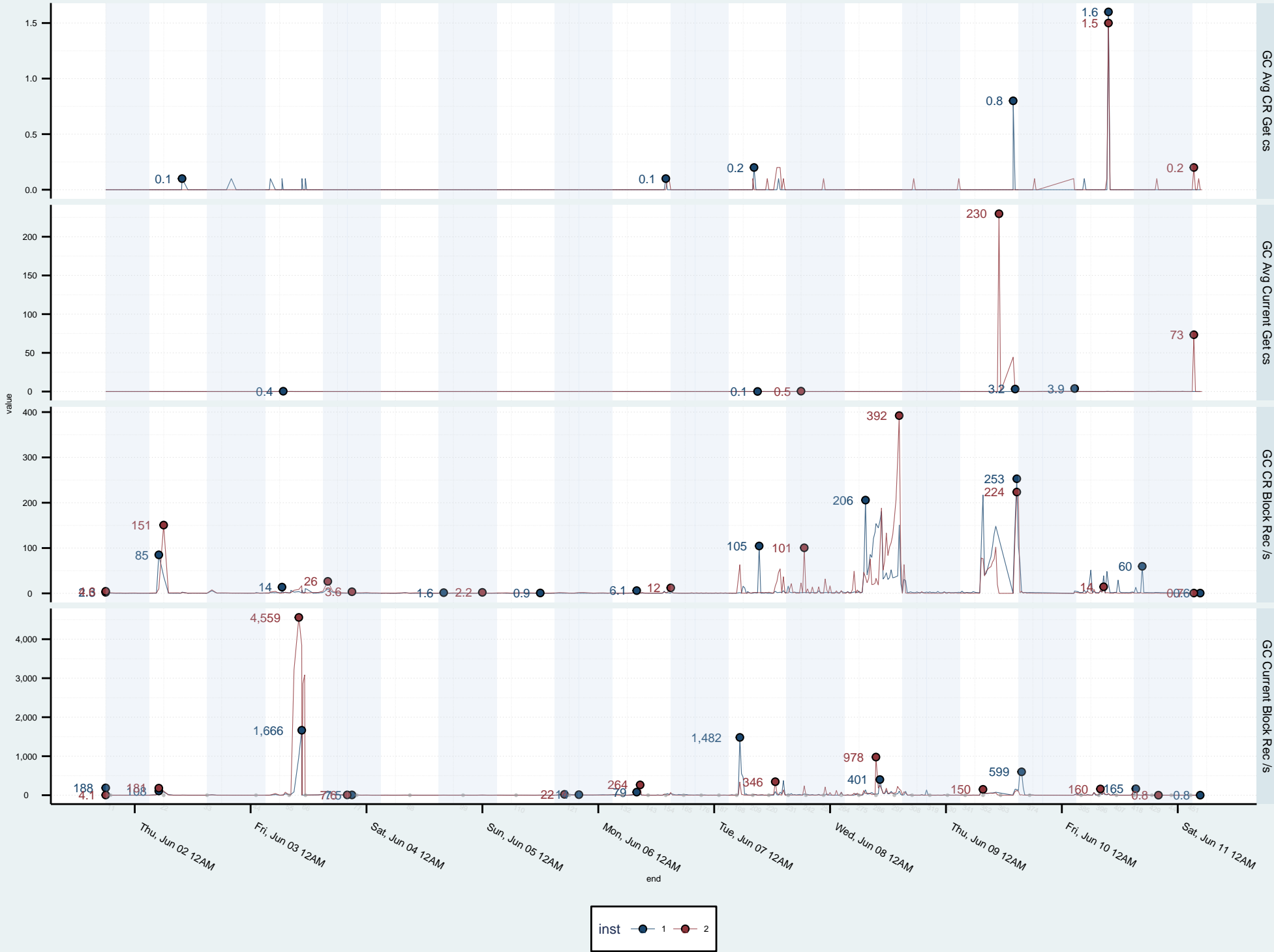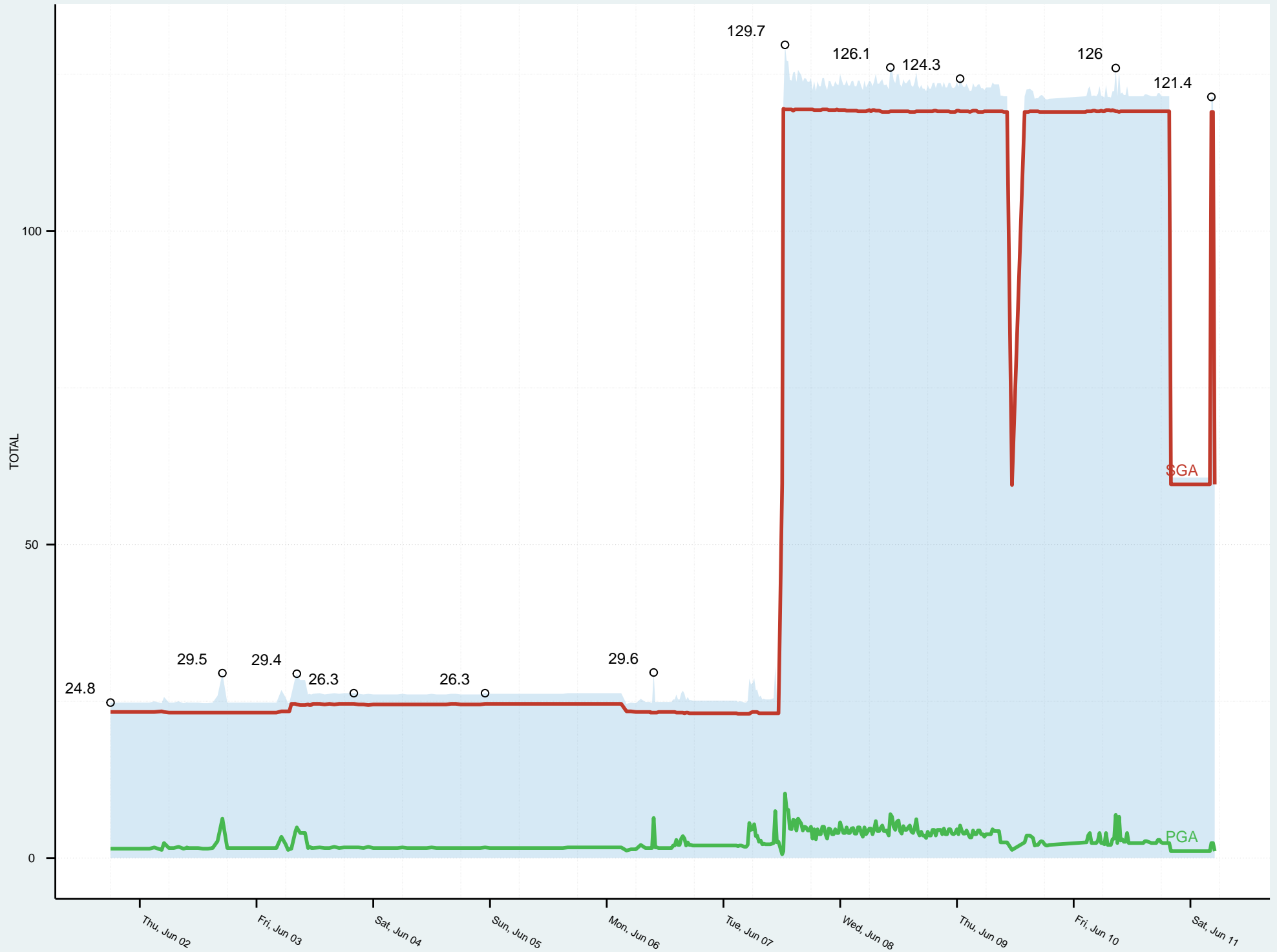| PARAMETER_NAME	VALUE	PARAMETER_NAME	VALUE	PARAMETER_NAME	VAL
O7_DICTIONARY_ACCESSIBILITY	FALSE	filesystemio_options	none	read_only_open_delayed	FAL
__db_cache_size	33554432000	gcs_server_processes	6	recovery_parallelism	
__java_pool_size	10737418240	global_names	FALSE	recyclebin	(
__large_pool_size	536870912	global_txn_processes	1	remote_dependencies_mode	TIMESTA
__pga_aggregate_target	80530636800	hash_area_size	131072	remote_listener	exg4-scan.ssc.sun.com:
__sga_target	64424509440	hi_shared_memory_address	0	remote_login_passwordfile	EXCLUSI
__shared_io_pool_size	0	hs_autoregister	TRUE	remote_os_authent	FAL
__shared_pool_size	13958643712	instance_name	CENSUS1	remote_os_roles	FAL
__streams_pool_size	536870912	instance_number	1	replication_dependency_tracking	T
_optimizer_ignore_hints	FALSE	instance_type	RDBMS	resource_limit	FAL
aq_tm_processes	0	java_jit_enabled	TRUE	resource_manager_cpu_allocation	
archive_lag_target	0	java_max_sessionspace_size	0	resource_manager_plan	FORCE:INTERNAL_PL
asm_power_limit	1	java_pool_size	10737418240	result_cache_max_result	
audit_file_dest	/u01/app/oracle/admin/CEN	java_soft_sessionspace_limit	0	result_cache_max_size	322142
audit_sys_operations	FALSE	job_queue_processes	1000	result_cache_mode	MANU
audit_trail	NONE	large_pool_size	0	result_cache_remote_expiration	
background_core_dump	partial	ldap_directory_access	NONE	resumable_timeout	
background_dump_dest	/u01/app/oracle/diag/rdbm	ldap_directory_sysauth	no	sec_case_sensitive_logon	T
backup_tape_io_slaves	FALSE	license_max_sessions	0	sec_max_failed_login_attempts	
bitmap_merge_area_size	1048576	license_max_users	0	sec_protocol_error_further_action	CONTIN
blank_trimming	FALSE	license_sessions_warning	0	sec_protocol_error_trace_action	TRA
cell_offload_compaction	ADAPTIVE	local_listener	(DESCRIPTION=(ADDRESS_LIS	sec_return_server_release_banner	FAL
cell_offload_decryption	TRUE	lock_sga	FALSE	serial_reuse	disab
cell_offload_plan_display	AUTO	log_buffer	134217728	service_names	SYS$SYS.SCHEDULER$_EVEN
cell_offload_processing	TRUE	log_checkpoint_interval	0	session_cached_cursors	
client_result_cache_lag	3000	log_checkpoint_timeout	1800	session_max_open_files	
client_result_cache_size	0	log_checkpoints_to_alert	FALSE	sessions	1
cluster_database	TRUE	max_dump_file_size	unlimited	sga_max_size	107374182
cluster_database_instances	2	memory_max_target	0	sga_target	644245094
commit_point_strength	1	memory_target	0	shadow_core_dump	PARTI
compatible	11.2.0.2.0	nls_comp	BINARY	shared_memory_address	
control_file_record_keep_time	7	nls_language	AMERICAN	shared_pool_reserved_size	120795
control_files	+CSDATA/census/controlfil	nls_length_semantics	BYTE	shared_pool_size	241591
control_management_pack_access	DIAGNOSTIC+TUNING	nls_nchar_conv_excp	FALSE	shared_servers	
core_dump_dest	/u01/app/oracle/diag/rdbm	nls_territory	AMERICA	skip_unusable_indexes	T
cpu_count	128	object_cache_max_size_percent	10	sort_area_retained_size	
create_bitmap_area_size	8388608	object_cache_optimal_size	102400	sort_area_size	65
cursor_bind_capture_destination	memory+disk	olap_page_pool_size	0	spfile	/u01/app/oracle/product
cursor_sharing	EXACT	open_cursors	300	sql92_security	FAL
cursor_space_for_time	FALSE	open_links	4	sql_trace	FAL
db_16k_cache_size	0	open_links_per_instance	4	sqltune_category	DEFAU
db_2k_cache_size	0	optimizer_capture_sql_plan_baselines	FALSE	standby_archive_dest	?/dbs/a
db_32k_cache_size	0	optimizer_dynamic_sampling	2	standby_file_management	MANU
db_4k_cache_size	0	optimizer_features_enable	11.2.0.2	star_transformation_enabled	FAL
db_8k_cache_size	0	optimizer_index_caching	0	statistics_level	TYPIC
db_block_buffers	0	optimizer_index_cost_adj	100	streams_pool_size	
db_block_checking	FALSE	optimizer_mode	ALL_ROWS	tape_asynch_io	T
db_block_checksum	TYPICAL	optimizer_secure_view_merging	TRUE	thread	
db_block_size	8192	optimizer_use_invisible_indexes	FALSE	timed_os_statistics	
db_cache_advice	ON	optimizer_use_pending_statistics	FALSE	timed_statistics	T
db_cache_size	0	optimizer_use_sql_plan_baselines	TRUE	trace_enabled	T
db_file_multiblock_read_count	128	os_authent_prefix	ops$	transactions	1
db_files	200	os_roles	FALSE	transactions_per_rollback_segment	
db_flash_cache_size	0	parallel_adaptive_multi_user	FALSE	undo_management	AU
db_flashback_retention_target	2880	parallel_automatic_tuning	FALSE	undo_retention	
db_keep_cache_size	4294967296	parallel_degree_limit	CPU	undo_tablespace	UNDOT
db_lost_write_protect	NONE	parallel_degree_policy	AUTO	use_indirect_data_buffers	FAL
db_name	CENSUS	parallel_execution_message_size	16384	use_large_pages	T
db_recovery_file_dest	+CSRECO	parallel_force_local	TRUE	workarea_size_policy	AU
db_recovery_file_dest_size	2147483648000	parallel_io_cap_enabled	FALSE	xml_db_events	enabl
db_recycle_cache_size	0	parallel_max_servers	256		
db_securefile	PERMITTED	parallel_min_percent	0		
db_ultra_safe	OFF	parallel_min_servers	32		
db_unique_name	CENSUS	parallel_min_time_threshold	AUTO		
db_unrecoverable_scn_tracking	TRUE	parallel_server	TRUE		
db_writer_processes	16	parallel_server_instances	2		
dbwr_io_slaves	0	parallel_servers_target	2048		
ddl_lock_timeout	0	parallel_threads_per_cpu	2		
deferred_segment_creation	FALSE	permit_92_wrap_format	TRUE		
diagnostic_dest	/u01/app/oracle	pga_aggregate_target	80530636800		
disk_asynch_io	TRUE	plscope_settings	IDENTIFIERS:NONE		
dispatchers	(PROTOCOL=TCP) (SERVICE=C	plsql_code_type	INTERPRETED		
distributed_lock_timeout	60	plsql_debug	FALSE		
dml_locks	7320	plsql_optimize_level	2		
dst_upgrade_insert_conv	TRUE	plsql_v2_compatibility	FALSE		
enable_ddl_logging	FALSE	plsql_warnings	DISABLE:ALL		
fast_start_io_target	0	pre_page_sga	FALSE		
fast_start_mttr_target	0	processes	1024		
fast_start_parallel_rollback	LOW	query_rewrite_enabled	TRUE		
file_mapping	FALSE	query_rewrite_integrity	enforced		

	MODULE	ACTION	SQL_ID	COST	COMMAND_NAME	SCHEMA	EXEC_RANK	ELAP_RANK	logRsRank	physRsRank	EXECS	ELAP_S	PHY_READ_GB	PLANS	AVG_DOP	ELAP_PER_EXEC_M	logRsGBperExec
1	perl@x4270		5uvzszxj26643	14.000000	SELECT	MAFTIGER	2	1	2	1341	885,815,990	1,450,000	0	1	0	0.000027	0.00016
2	perl@x4270		a006wwqfg9scy	4125.428570	SELECT	BATPRO	281	2	19	55	100,342	986,750	9	2	0.02	0.16	0.45
3	perl@x4270		fj71z0fpf02d9	7987.588240	SELECT	BATPRO	262	3	20	18	109,473	938,330	61	2	0.02	0.14	0.41
4	perl@x4270		4sy1vhtsq1ypz	26.000000	SELECT	MAFTIGER	4	4	17	1315	319,770,541	773,510	0	1	0	0.00004	0.00015
5	DTD_DAILY	FACE_0	akwja651vbp18	0.000000	PL/SQL	CTS	512	5	16	49	11,363	595,880	12	1	0	0.87	4.5
6	DTD_DAILY	EDGE_0	fjqdg8y5cs6fj	1.662651	INSERT	CTS	516	6	105	63	11,250	475,550	6	3	0	0.7	0.16
7	perl@x4270		8qfagt0v9mj8b	0.000000	SELECT	BATPRO	709	7	32	35	1,087	423,480	18	1	0	6.5	24
8	perl@x4270		cmp0wy866fk5j	0.000000	PL/SQL	BATPRO	711	8	34	39	1,062	419,000	18	1	0	6.6	24
9	perl@x4270		3f98gxnwyguja	29.000000	SELECT	BATPRO	708	9	33	36	1,089	364,110	18	1	0	5.6	24
10	DTD_DAILY	FACE_0	fk7kum6zyrzpy	2.190476	INSERT	CTS	513	10	106	233	11,351	278,300	1	3	0	0.41	0.16
11	DTD_DAILY	FACE_0	c829jkxd20s5m		DELETE	CTS	512	11	18	162	11,363	260,610	1	1	0	0.38	4.2
12	vertices24	update	26hbyafun8wyz	19740.554100	SELECT	MAFTIGER	481	12	3	317	14,611	260,030	0	2	0.04	0.3	7.3
13	Check-tole	${uow}	aut3ry6bqyqux	29.000000	INSERT	MAFTIGER	687	13	35	15	1,493	257,360	74	1	0	2.9	16
14	vertices24	update	gjzpc6tvhc5ds	17871.000000	SELECT	MAFTIGER	870	14	4	428	79	256,630	0	1	8	54	1,311
15	vertices24	update	8cwgvzh6c7bax	30787.000000	SELECT	MAFTIGER	873	15	5	437	76	245,340	0	1	8	54	1,309
16	vertices24	update	36gy4303cuqs0	28322.000000	SELECT	MAFTIGER	873	16	6	581	76	244,390	0	1	8	54	1,305
17	vertices24	update	4sy1vhtsq1ypz	26.000000	SELECT	MAFTIGER	1	17	1	1363	1,162,208,839	211,770	0	2	0	0.000003	0.00018
18	MTBR.GEOGT	running... BRICSTYPE2.24	0t6nhh3q96p01q	2.000000	SELECT	MTBR	647	18	9	2	2,437	211,720	610	1	0	1.4	32
19	MTBR.GEOGT	running... BRICSTYPE2.24	0t6nhh3q96p01q	0.000000	SELECT	MTBR	648	19	8	1	2,436	203,690	620	1	0	1.4	34
20	MTBR.GEOGT	running... BRICSTYPE2.24	0r3s2f00gnhzs7	0.000000	PL/SQL	BRICS	791	20	11	3	280	202,740	591	1	0	12	273
21	perl@x4270		24tunszbsnjh1	1780.936510	SELECT	BATPRO	263	21	48	53	108,845	191,050	9	2	0.02	0.029	0.093
22	PDBSpatial	populate_bndr_pdedg	faypu42nwtppud	0.000000	PL/SQL	PDSPATIAL	924	22	1962	1121	12	177,700	0	1	0	247	0.0073
23	MTBR.GEOGT	running... BRICSTYPE2.24	951a2f00gnhzs7	0.000000	PL/SQL	BRICS	821	23	13	4	172	171,470	517	1	0	17	384
24	perl@x4270		cgff2k9uy0279	19.068966	SELECT	POMBPROD	34	24	10	24	11,161,763	170,510	39	2	0.01	0.00025	0.007
25	perl@x4270		6w3r1g76mmgud	0.000000	PL/SQL	BATPRO	717	25	23	26	1,000	155,450	38	1	0	2.6	36
26	Check-tole	${uow}	7s8x1w6ws47t2	2.000000	DELETE	MAFTIGER	497	26	12	8	12,942	148,830	271	1	0	0.19	5.3
27	vertices24	update	8vkrp4w3xg6p6	20947.949200	SELECT	MAFTIGER	610	27	21	818	3,837	135,610	0	2	0.07	0.59	11
28	Check-tole	${uow}	6cfbahvpmy1qq	2.000000	DELETE	MAFTIGER	558	28	285	299	7,717	130,920	0	1	0	0.28	0.011
29	MTBR.GEOGT	running... BRICSTYPE2.24	0d0cg05z3uhsg	29.000000	INSERT	MTBR	678	29	15	5	1,681	128,930	418	1	0	1.3	32
30	PDBSpatial	populate_bndr_pdedg	faypu42nwtppud	0.000000	PL/SQL	PDSPATIAL	925	30	1963	1128	11	125,970	0	1	0	191	0.008
31	Check-tole	${uow}	856vmq7r6vchm	3.000000	INSERT	MAFTIGER	499	31	47	13	12,845	125,260	94	1	0	0.16	0.87
32	Check-tole	${uow}	17mx4fnw3a9m6	5.000000	INSERT	MAFTIGER	500	32	25	9	12,844	124,760	219	1	0	0.16	2.6
33	vertices24	update	5uvzszxj26643	14.000000	SELECT	MAFTIGER	3	33	7	1358	596,766,380	111,810	0	2	0	0.0000031	0.00016
34	MTBR.GEOGT	running... BRICSTYPE2.24	035z8g3kjyh	29.000000	INSERT	MTBR	693	34	22	7	1,318	104,730	278	1	0	1.3	30
35	MTBR.GEOGT	running... BRICSTYPE2.24	0d0cg05z3uhsg	29.000000	INSERT	MTBR	695	35	24	6	1,294	90,730	294	1	0	1.2	27
36	MTBR.GEOGT	running... BRICSTYPE2.24	035z8g3kjyh	29.000000	INSERT	MTBR	724	37	31	10	901	68,502	184	1	0	1.3	31
37	DTDTOPO_DA	None	2shwbas0npznu	0.000000	PL/SQL	CTS	934	38	14	23	2	67,522	42	1	0	563	29,344
38	DTDTOPO_DA	Query TopoQueue	3kw1cckax9q3s	2.830189	INSERT	CTS	68	43	26	140	3,175,727	50,051	2	2	0	0.00026	0.011
39	Check-tole	${uow}	b9uj8rn7zstr0		DELETE	MAFTIGER	498	51	27	11	12,938	36,173	141	1	0	0.047	2.6
40	Check-tole	${uow}	3vyt77ah0bgn2	2.000000	SELECT	MAFTIGER	16	53	29	1078	43,215,346	30,864	0	1	0	0.000012	0.00073
41	MTBR.GEOGT	running... BRICSTYPE2.24	930s2f00gnhzs7	0.000000	PL/SQL	BRICS	915	56	39	14	21	26,685	86	1	0	21	654
42	vertices24	update	f45b0zrkfxh20	26.000000	SELECT	MAFTIGER	6	60	37	1364	126,671,408	23,835	0	2	0	0.0000031	0.00018
43	SQL*Plus		8v1f75t2xvqf7	1402.250000	INSERT	CTS	932	71	219	30	4	18,096	26	1	256	75	63
44			a0tku34acb8fw	0.000000	PL/SQL	MAFTIGER	766	73	75	12	404	15,352	107	1	0	0.63	9.4
45	MTBR.GEOGT	running... BRICSTYPE2.24	930s2f00gnhzs7	0.000000	PL/SQL	BRICS	930	79	92	19	6	11,707	55	1	0	33	398
46	MTBR.GEOGT	running... BRICSTYPE2.24	0t6nhh3q96p01q	0.000000	SELECT	MTBR	876	80	93	20	72	11,681	55	1	0	2.7	33
47	perl@x4270		dfwa0h0svd933	2.000000	SELECT	MAFTIGER	8	87	80	1302	70,848,297	10,349	0	1	0	0.0000024	0.000046
48	PDBSpatial	populate_bndr_pdlinf	8t0wm2pbj0p4	0.000000	PL/SQL	PDSPATIAL	931	88	30	387	5	9,527	0	1	0	32	6,011
49	perl@x4270		fvh704uzz24fz	3.000000	SELECT	BATPRO	5	94	53	275	248,642,501	8,184	0	1	0	0.00000055	0.000031
50	SQL*Plus		18c002xnqp0p8	1.000000	INSERT	TYLER	20	95	122	46	31,836,960	8,013	15	1	0	0.0000042	0.000041
51	PDBSpatial	populate_pdareafead	dfwa0h0svd933	2.000000	SELECT	MAFTIGER	13	96	88	1314	53,729,359	7,924	0	1	0	0.0000025	0.000046
52	perl@x4270		c623t0h7qyu4z	9.000000	SELECT	BATPRO	11	108	64	105	64,806,585	6,887	2	1	0	0.0000018	0.000088
53	SQL*Plus		52df6nch2n2wb	23.000000	SELECT	MAFTIGER	44	111	79	17	6,850,101	6,748	61	1	0	0.000016	0.00047
54	MTBR.GEOGT	running... BRICSTYPE2.28	0d0cg05z3uhsg	29.000000	INSERT	MTBR	892	113	116	18	49	6,568	31	1	0	2.2	32
55	PDBSpatial	populate_bndr_pdpntf	8dtvyf7scxqhs	0.000000	PL/SQL	PDSPATIAL	932	116	28	633	4	6,105	0	1	0	25	7,959
56	vertices51	update	dfwa0h0svd933	2.000000	SELECT	MAFTIGER	17	119	109	1199	37,542,568	5,346	0	1	0	0.0000024	0.000046
57	SQL Develo		dfwa0h0svd933	2.000000	SELECT	MAFTIGER	18	121	113	1232	35,455,923	5,245	0	1	0	0.0000025	0.000046
58			g320y812n5qu9	0.000000	PL/SQL	MAFTIGER_NEW	880	127	153	25	65	4,911	38	1	0	1.3	11
59	SQL*Plus		fstw8acdvmazv	22854.500000	SELECT	MAFTIGER	933	129	112	21	3	4,289	46	2	21	24	545
60	SQL*Plus		dfwa0h0svd933	2.000000	SELECT	MAFTIGER	27	137	133	1270	26,442,718	3,564	0	1	0	0.0000022	0.000046
61	DTD_DAILY	PERL PROCESS	dygcrvqx6vmt6	0.000000	PL/SQL	CTS	934	141	155	22	2	3,472	42	1	0	29	368
62			90vc5nrcqv4tn	0.000000	PL/SQL	SYSTEM	905	142	208	29	32	3,377	29	1	0	1.8	9.8
63	vertices51	update	dfwa0h0svd933	2.000000	SELECT	CTS	29	146	136	1367	23,039,343	3,107	0	1	0	0.0000022	0.000046
64	DTDTOPO_DA	Archive Data	54dvkzv46xd71	3.000000	INSERT	CTS	934	147	142	27	2	3,094	32	1	0	26	438
65	perl@x4270		58gm5073s096m	6.000000	SELECT	BATPRO	12	152	91	331	63,033,158	3,010	0	1	0	0.0000008	0.000038
66	perl@x4270		8219npg1fjv1f	0.000000	SELECT	MAFTIGER	9	184	114	1367	70,795,803	1,676	0	1	0	0.0000039	0.000023
67	BRICS_DYN_	select_insert	dru9rrqbmmwq8	5.000000	SELECT	BRICS	7	185	90	422	71,167,009	1,646	0	1	0	0.0000039	0.000034
68	PDBSpatial	populate_pdareafead	d26kddnrwfzpk	1.000000	SELECT	MAFTIGER	10	197	139	1367	65,118,106	1,300	0	1	0	0.0000033	0.000015
69	PDBSpatial	populate_pdareafead	8219npg1fjv1f	3.000000	SELECT	MAFTIGER	14	200	128	1367	53,711,060	1,270	0	1	0	0.0000039	0.000023
70	vertices51	update	4kntkmgf5agq2	3.000000	SELECT	MAFTIGER	22	207	186	1360	30,002,803	1,097	0	1	0	0.0000061	0.000015
71	PDBSpatial	populate_pdareafead	d26kddnrwfzpk	1.000000	SELECT	MAFTIGER	15	210	146	1366	53,285,900	1,042	0	1	0	0.0000033	0.000015
72	vertices24	update	4kntkmgf5agq2	3.000000	SELECT	MAFTIGER	24	213	192	1356	27,765,228	976	0	1	0	0.0000059	0.000015
73	SQL Develo		8219npg1fjv1f	3.000000	SELECT	MAFTIGER	19	227	147	1337	35,452,359	859	0	1	0	0.0000004	0.000023
74	vertices51	update	87sf8uknpbapn	6.000000	SELECT	MAFTIGER	23	232	121	1343	28,938,378	811	0	1	0	0.0000047	0.000046
75	perl@x4270		67pshq2z9sy89	3.000000	SELECT	POMBPROD	30	240	170	459	18,321,287	789	0	1	0	0.00000072	0.000031