

Valid	aarnet-07-2018	aarnet-08-2018	aarnet-09-2018	Total
Packets/Month	1556751000	3086380000	2105773000	6748904000
Address/Month	166	178	185	208
Unroutable	aarnet-07-2018	aarnet-08-2018	aarnet-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	aarnet-07-2018	aarnet-08-2018	aarnet-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	aglt2-07-2018	aglt2-08-2018	aglt2-09-2018	Total
Packets/Month	8322275000	11505527000	7432840000	27260642000
Address/Month	575	604	482	656
Unroutable	aglt2-07-2018	aglt2-08-2018	aglt2-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	aglt2-07-2018	aglt2-08-2018	aglt2-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	anl-07-2018	anl-08-2018	anl-09-2018	Total
Packets/Month	155098000	97032000	111427000	363557000
Address/Month	36	36	28	37
Unroutable	anl-07-2018	anl-08-2018	anl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	anl-07-2018	anl-08-2018	anl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	ansp-07-2018	ansp-08-2018	ansp-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ansp-07-2018	ansp-08-2018	ansp-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ansp-07-2018	ansp-08-2018	ansp-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	asgc-07-2018	asgc-08-2018	asgc-09-2018	Total		
Packets/Month	1280350000	2280714000	1879648000	5440712000		
Address/Month	513	134	75	562		
Unroutable	asgc-07-2018	asgc-08-2018	asgc-09-2018	Total		
Packets/Month	0	0	0	0		
Address/Month	0	0	0	0		
Bogus ASN	asgc-07-2018	asgc-08-2018	asgc-09-2018	Total		
Packets/Month	34531000	103000	6000	34,640,000.00	0.01238452656	98.76154734
Address/Month	21	6	2	25		
Unroutable	ASN	Unroutable Address	Packet Count			
Bogus ASN	ASN	Bogus ASN	Packet Count			
Bogus ASN	0	140.109.98.1	2000			
Bogus ASN	0	140.109.98.162	4000			
Bogus ASN	0	140.109.98.21	1000			
Bogus ASN	0	140.115.117.164	7000			
Bogus ASN	0	140.115.137.84	1000			
Bogus ASN	0	140.115.158.91	1000			
Bogus ASN	0	140.115.42.132	1000			
Bogus ASN	0	140.115.60.170	60000			
Bogus ASN	0	140.115.64.79	1000			
Bogus ASN	0	140.115.70.160	32000			
Bogus ASN	0	140.115.70.241	2000			
Bogus ASN	0	140.116.213.140	1000			
Bogus ASN	0	140.117.21.44	1000			
Bogus ASN	0	140.126.128.143	1000			
Bogus ASN	0	140.129.33.161	2000			
Bogus ASN	0	163.22.83.32	1000			
Bogus ASN	0	198.151.133.177	19000			
Bogus ASN	0	2001:288:3001:32:21b:21ff:febc:86b8	20000			
Bogus ASN	0	2001:288:3001:32:268a:7ff:fe73:cf0	12000			
Bogus ASN	0	2001:288:3001:32:6651:6ff:feee:6438	34211000			
Bogus ASN	0	2001:288:3001:32:ae16:2dff:feac:9b90	27000			
Bogus ASN	0	2001:288:3001:32:da9d:67ff:fe6f:2e68	68000			
Bogus ASN	0	2001:288:3001:32:da9d:67ff:fe6f:5fd0	36000			
Bogus ASN	0	2001:288:3001:32:da9d:67ff:fe6f:7fc0	82000			
Bogus ASN	0	2001:288:3001:32:da9d:67ff:fe6f:f70	47000			

Valid	bnl-07-2018	bnl-08-2018	bnl-09-2018	Total
Packets/Month	13535068000	18673696000	16318757000	48527521000
Address/Month	123	123	134	147
Unroutable	bnl-07-2018	bnl-08-2018	bnl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	bnl-07-2018	bnl-08-2018	bnl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	caltech-07-2018	caltech-08-2018	caltech-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	caltech-07-2018	caltech-08-2018	caltech-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	caltech-07-2018	caltech-08-2018	caltech-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	canet-07-2018	canet-08-2018	canet-09-2018	Total
Packets/Month	6700440000	11360503000	15214998000	33275941000
Address/Month	113	107	134	148
Unroutable	canet-07-2018	canet-08-2018	canet-09-2018	Total
Packets/Month	24869000	31443000	3787000	60099000
Address/Month	3	2	2	3
Bogus ASN	canet-07-2018	canet-08-2018	canet-09-2018	Total
Packets/Month	12651000	17966000	13502000	44119000
Address/Month	773	749	643	907
Unroutable	ASN	Unroutable Address	Packet Count	
Unroutable	293	2001:410:101:f20::1	1000	
Unroutable	36391	2607:f8f0:660:2::2	11821000	
Unroutable	36391	2607:f8f0:660:2::3	48277000	
Bogus ASN	ASN	Bogus ASN	Packet Count	
Bogus ASN	0	128.100.200.198	16000	
Bogus ASN	0	142.90.1.17	32000	
Bogus ASN	0	142.90.1.26	69000	
Bogus ASN	0	172.16.136.1	70000	
Bogus ASN	0	172.16.136.100	66000	
Bogus ASN	0	172.16.136.101	40000	
Bogus ASN	0	172.16.136.102	70000	
Bogus ASN	0	172.16.136.118	66000	
Bogus ASN	0	172.16.136.119	83000	
Bogus ASN	0	172.16.136.120	23000	
Bogus ASN	0	172.16.136.121	71000	
Bogus ASN	0	172.16.136.122	63000	
Bogus ASN	0	172.16.136.123	77000	
Bogus ASN	0	172.16.136.124	63000	
Bogus ASN	0	172.16.136.125	54000	
Bogus ASN	0	172.16.136.126	40000	
Bogus ASN	0	172.16.136.127	51000	
Bogus ASN	0	172.16.136.128	60000	
Bogus ASN	0	172.16.136.129	59000	
Bogus ASN	0	172.16.136.130	74000	
Bogus ASN	0	172.16.136.131	100000	
Bogus ASN	0	172.16.136.132	54000	
Bogus ASN	0	172.16.136.133	56000	
Bogus ASN	0	172.16.136.134	58000	
Bogus ASN	0	172.16.136.135	42000	

Bogus ASN	0	172.16.136.136	82000	
Bogus ASN	0	172.16.136.138	56000	
Bogus ASN	0	172.16.136.139	62000	
Bogus ASN	0	172.16.136.140	87000	
Bogus ASN	0	172.16.136.141	73000	
Bogus ASN	0	172.16.136.142	61000	
Bogus ASN	0	172.16.136.143	54000	
Bogus ASN	0	172.16.136.144	22000	
Bogus ASN	0	172.16.136.145	52000	
Bogus ASN	0	172.16.136.146	39000	
Bogus ASN	0	172.16.136.147	85000	
Bogus ASN	0	172.16.136.164	41000	
Bogus ASN	0	172.16.136.165	89000	
Bogus ASN	0	172.16.136.166	84000	
Bogus ASN	0	172.16.136.167	55000	
Bogus ASN	0	172.16.136.168	57000	
Bogus ASN	0	172.16.136.169	53000	
Bogus ASN	0	172.16.136.170	88000	
Bogus ASN	0	172.16.136.171	83000	
Bogus ASN	0	172.16.136.172	83000	
Bogus ASN	0	172.16.136.173	34000	
Bogus ASN	0	172.16.136.174	55000	
Bogus ASN	0	172.16.136.175	113000	
Bogus ASN	0	172.16.136.176	58000	
Bogus ASN	0	172.16.136.177	58000	
Bogus ASN	0	172.16.136.179	81000	
Bogus ASN	0	172.16.136.180	63000	
Bogus ASN	0	172.16.136.181	93000	
Bogus ASN	0	172.16.136.182	55000	
Bogus ASN	0	172.16.136.183	50000	
Bogus ASN	0	172.16.136.184	38000	
Bogus ASN	0	172.16.136.185	62000	
Bogus ASN	0	172.16.136.186	82000	
Bogus ASN	0	172.16.136.187	78000	
Bogus ASN	0	172.16.136.188	17000	
Bogus ASN	0	172.16.136.189	78000	
Bogus ASN	0	172.16.136.190	81000	
Bogus ASN	0	172.16.136.191	79000	
Bogus ASN	0	172.16.136.192	66000	
Bogus ASN	0	172.16.136.193	77000	
Bogus ASN	0	172.16.136.194	90000	
Bogus ASN	0	172.16.136.195	80000	
Bogus ASN	0	172.16.136.2	45000	

Bogus ASN	0	172.16.136.212	63000	
Bogus ASN	0	172.16.136.213	84000	
Bogus ASN	0	172.16.136.214	83000	
Bogus ASN	0	172.16.136.215	34000	
Bogus ASN	0	172.16.136.216	32000	
Bogus ASN	0	172.16.136.217	69000	
Bogus ASN	0	172.16.136.218	45000	
Bogus ASN	0	172.16.136.219	86000	
Bogus ASN	0	172.16.136.220	5000	
Bogus ASN	0	172.16.136.221	12000	
Bogus ASN	0	172.16.136.222	71000	
Bogus ASN	0	172.16.136.223	30000	
Bogus ASN	0	172.16.136.224	33000	
Bogus ASN	0	172.16.136.225	56000	
Bogus ASN	0	172.16.136.226	56000	
Bogus ASN	0	172.16.136.227	9000	
Bogus ASN	0	172.16.136.228	67000	
Bogus ASN	0	172.16.136.229	85000	
Bogus ASN	0	172.16.136.230	55000	
Bogus ASN	0	172.16.136.231	12000	
Bogus ASN	0	172.16.136.232	64000	
Bogus ASN	0	172.16.136.233	53000	
Bogus ASN	0	172.16.136.234	64000	
Bogus ASN	0	172.16.136.235	51000	
Bogus ASN	0	172.16.136.236	53000	
Bogus ASN	0	172.16.136.237	75000	
Bogus ASN	0	172.16.136.238	92000	
Bogus ASN	0	172.16.136.239	38000	
Bogus ASN	0	172.16.136.24	3000	
Bogus ASN	0	172.16.136.240	57000	
Bogus ASN	0	172.16.136.241	27000	
Bogus ASN	0	172.16.136.242	7000	
Bogus ASN	0	172.16.136.243	62000	
Bogus ASN	0	172.16.136.3	24000	
Bogus ASN	0	172.16.136.4	40000	
Bogus ASN	0	172.16.136.40	20000	
Bogus ASN	0	172.16.136.41	62000	
Bogus ASN	0	172.16.136.42	59000	
Bogus ASN	0	172.16.136.43	77000	
Bogus ASN	0	172.16.136.44	79000	
Bogus ASN	0	172.16.136.45	59000	
Bogus ASN	0	172.16.136.46	89000	
Bogus ASN	0	172.16.136.47	23000	

Bogus ASN	0	172.16.136.48	59000	
Bogus ASN	0	172.16.136.49	50000	
Bogus ASN	0	172.16.136.5	42000	
Bogus ASN	0	172.16.136.51	25000	
Bogus ASN	0	172.16.136.52	20000	
Bogus ASN	0	172.16.136.53	75000	
Bogus ASN	0	172.16.136.54	51000	
Bogus ASN	0	172.16.136.55	63000	
Bogus ASN	0	172.16.136.56	69000	
Bogus ASN	0	172.16.136.57	75000	
Bogus ASN	0	172.16.136.58	45000	
Bogus ASN	0	172.16.136.59	71000	
Bogus ASN	0	172.16.136.60	64000	
Bogus ASN	0	172.16.136.61	92000	
Bogus ASN	0	172.16.136.62	59000	
Bogus ASN	0	172.16.136.63	55000	
Bogus ASN	0	172.16.136.64	83000	
Bogus ASN	0	172.16.136.65	53000	
Bogus ASN	0	172.16.136.66	59000	
Bogus ASN	0	172.16.136.67	84000	
Bogus ASN	0	172.16.136.68	13000	
Bogus ASN	0	172.16.136.69	66000	
Bogus ASN	0	172.16.136.70	52000	
Bogus ASN	0	172.16.136.71	87000	
Bogus ASN	0	172.16.136.72	63000	
Bogus ASN	0	172.16.136.73	49000	
Bogus ASN	0	172.16.136.74	42000	
Bogus ASN	0	172.16.136.75	63000	
Bogus ASN	0	172.16.136.76	52000	
Bogus ASN	0	172.16.136.77	55000	
Bogus ASN	0	172.16.136.78	47000	
Bogus ASN	0	172.16.136.79	48000	
Bogus ASN	0	172.16.136.80	55000	
Bogus ASN	0	172.16.136.81	72000	
Bogus ASN	0	172.16.136.82	72000	
Bogus ASN	0	172.16.136.83	45000	
Bogus ASN	0	172.16.136.84	89000	
Bogus ASN	0	172.16.136.85	69000	
Bogus ASN	0	172.16.136.86	39000	
Bogus ASN	0	172.16.136.87	51000	
Bogus ASN	0	172.16.136.88	55000	
Bogus ASN	0	172.16.136.89	65000	
Bogus ASN	0	172.16.136.90	63000	

Bogus ASN	0	172.16.136.91	59000	
Bogus ASN	0	172.16.136.92	52000	
Bogus ASN	0	172.16.136.93	81000	
Bogus ASN	0	172.16.136.94	67000	
Bogus ASN	0	172.16.136.95	66000	
Bogus ASN	0	172.16.136.96	53000	
Bogus ASN	0	172.16.136.97	50000	
Bogus ASN	0	172.16.136.98	39000	
Bogus ASN	0	172.16.136.99	56000	
Bogus ASN	0	172.16.137.10	60000	
Bogus ASN	0	172.16.137.100	88000	
Bogus ASN	0	172.16.137.101	77000	
Bogus ASN	0	172.16.137.102	65000	
Bogus ASN	0	172.16.137.103	76000	
Bogus ASN	0	172.16.137.104	94000	
Bogus ASN	0	172.16.137.105	27000	
Bogus ASN	0	172.16.137.106	45000	
Bogus ASN	0	172.16.137.107	38000	
Bogus ASN	0	172.16.137.108	27000	
Bogus ASN	0	172.16.137.109	47000	
Bogus ASN	0	172.16.137.11	60000	
Bogus ASN	0	172.16.137.110	50000	
Bogus ASN	0	172.16.137.111	74000	
Bogus ASN	0	172.16.137.112	54000	
Bogus ASN	0	172.16.137.113	41000	
Bogus ASN	0	172.16.137.114	62000	
Bogus ASN	0	172.16.137.115	10000	
Bogus ASN	0	172.16.137.116	58000	
Bogus ASN	0	172.16.137.117	43000	
Bogus ASN	0	172.16.137.118	27000	
Bogus ASN	0	172.16.137.119	39000	
Bogus ASN	0	172.16.137.120	81000	
Bogus ASN	0	172.16.137.121	39000	
Bogus ASN	0	172.16.137.122	23000	
Bogus ASN	0	172.16.137.123	11000	
Bogus ASN	0	172.16.137.124	45000	
Bogus ASN	0	172.16.137.125	95000	
Bogus ASN	0	172.16.137.126	63000	
Bogus ASN	0	172.16.137.127	46000	
Bogus ASN	0	172.16.137.13	49000	
Bogus ASN	0	172.16.137.130	73000	
Bogus ASN	0	172.16.137.131	80000	
Bogus ASN	0	172.16.137.132	43000	

Bogus ASN	0	172.16.137.133	67000	
Bogus ASN	0	172.16.137.134	56000	
Bogus ASN	0	172.16.137.135	24000	
Bogus ASN	0	172.16.137.136	53000	
Bogus ASN	0	172.16.137.137	50000	
Bogus ASN	0	172.16.137.138	44000	
Bogus ASN	0	172.16.137.139	92000	
Bogus ASN	0	172.16.137.14	21000	
Bogus ASN	0	172.16.137.140	41000	
Bogus ASN	0	172.16.137.141	72000	
Bogus ASN	0	172.16.137.142	79000	
Bogus ASN	0	172.16.137.143	42000	
Bogus ASN	0	172.16.137.144	56000	
Bogus ASN	0	172.16.137.145	35000	
Bogus ASN	0	172.16.137.146	93000	
Bogus ASN	0	172.16.137.147	94000	
Bogus ASN	0	172.16.137.148	76000	
Bogus ASN	0	172.16.137.149	62000	
Bogus ASN	0	172.16.137.15	30000	
Bogus ASN	0	172.16.137.150	39000	
Bogus ASN	0	172.16.137.151	56000	
Bogus ASN	0	172.16.137.152	51000	
Bogus ASN	0	172.16.137.153	65000	
Bogus ASN	0	172.16.137.155	65000	
Bogus ASN	0	172.16.137.156	29000	
Bogus ASN	0	172.16.137.157	59000	
Bogus ASN	0	172.16.137.158	78000	
Bogus ASN	0	172.16.137.159	100000	
Bogus ASN	0	172.16.137.16	66000	
Bogus ASN	0	172.16.137.160	52000	
Bogus ASN	0	172.16.137.161	64000	
Bogus ASN	0	172.16.137.162	108000	
Bogus ASN	0	172.16.137.163	76000	
Bogus ASN	0	172.16.137.164	102000	
Bogus ASN	0	172.16.137.165	66000	
Bogus ASN	0	172.16.137.166	84000	
Bogus ASN	0	172.16.137.167	70000	
Bogus ASN	0	172.16.137.168	93000	
Bogus ASN	0	172.16.137.169	81000	
Bogus ASN	0	172.16.137.17	59000	
Bogus ASN	0	172.16.137.171	60000	
Bogus ASN	0	172.16.137.172	64000	
Bogus ASN	0	172.16.137.173	76000	

Bogus ASN	0	172.16.137.174	58000	
Bogus ASN	0	172.16.137.175	100000	
Bogus ASN	0	172.16.137.176	51000	
Bogus ASN	0	172.16.137.179	41000	
Bogus ASN	0	172.16.137.18	77000	
Bogus ASN	0	172.16.137.180	102000	
Bogus ASN	0	172.16.137.181	90000	
Bogus ASN	0	172.16.137.182	62000	
Bogus ASN	0	172.16.137.183	51000	
Bogus ASN	0	172.16.137.184	64000	
Bogus ASN	0	172.16.137.185	74000	
Bogus ASN	0	172.16.137.186	40000	
Bogus ASN	0	172.16.137.187	64000	
Bogus ASN	0	172.16.137.188	80000	
Bogus ASN	0	172.16.137.189	43000	
Bogus ASN	0	172.16.137.19	54000	
Bogus ASN	0	172.16.137.190	40000	
Bogus ASN	0	172.16.137.191	66000	
Bogus ASN	0	172.16.137.192	50000	
Bogus ASN	0	172.16.137.193	66000	
Bogus ASN	0	172.16.137.194	111000	
Bogus ASN	0	172.16.137.195	60000	
Bogus ASN	0	172.16.137.196	60000	
Bogus ASN	0	172.16.137.197	68000	
Bogus ASN	0	172.16.137.199	91000	
Bogus ASN	0	172.16.137.20	67000	
Bogus ASN	0	172.16.137.200	46000	
Bogus ASN	0	172.16.137.201	75000	
Bogus ASN	0	172.16.137.202	47000	
Bogus ASN	0	172.16.137.203	28000	
Bogus ASN	0	172.16.137.204	68000	
Bogus ASN	0	172.16.137.205	6000	
Bogus ASN	0	172.16.137.206	3000	
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Bogus ASN	0	172.16.140.166	112000	
Bogus ASN	0	172.16.140.167	129000	
Bogus ASN	0	172.16.140.168	109000	
Bogus ASN	0	172.16.140.169	128000	
Bogus ASN	0	172.16.140.17	76000	
Bogus ASN	0	172.16.140.172	4000	
Bogus ASN	0	172.16.140.173	3000	

Bogus ASN	0	172.16.140.174	5000	
Bogus ASN	0	172.16.140.175	5000	
Bogus ASN	0	172.16.140.176	1000	
Bogus ASN	0	172.16.140.178	5000	
Bogus ASN	0	172.16.140.179	2000	
Bogus ASN	0	172.16.140.18	47000	
Bogus ASN	0	172.16.140.180	7000	
Bogus ASN	0	172.16.140.181	3000	
Bogus ASN	0	172.16.140.183	110000	
Bogus ASN	0	172.16.140.184	2000	
Bogus ASN	0	172.16.140.185	1000	
Bogus ASN	0	172.16.140.186	3000	
Bogus ASN	0	172.16.140.187	3000	
Bogus ASN	0	172.16.140.188	3000	
Bogus ASN	0	172.16.140.189	3000	
Bogus ASN	0	172.16.140.19	16000	
Bogus ASN	0	172.16.140.190	2000	
Bogus ASN	0	172.16.140.192	1000	
Bogus ASN	0	172.16.140.194	155000	
Bogus ASN	0	172.16.140.196	3000	
Bogus ASN	0	172.16.140.197	1000	
Bogus ASN	0	172.16.140.198	2000	
Bogus ASN	0	172.16.140.199	2000	
Bogus ASN	0	172.16.140.2	58000	
Bogus ASN	0	172.16.140.20	79000	
Bogus ASN	0	172.16.140.200	2000	
Bogus ASN	0	172.16.140.201	2000	
Bogus ASN	0	172.16.140.203	3000	
Bogus ASN	0	172.16.140.205	4000	
Bogus ASN	0	172.16.140.206	2000	
Bogus ASN	0	172.16.140.207	1000	
Bogus ASN	0	172.16.140.21	29000	
Bogus ASN	0	172.16.140.211	1000	
Bogus ASN	0	172.16.140.214	6000	
Bogus ASN	0	172.16.140.217	1000	
Bogus ASN	0	172.16.140.218	1000	
Bogus ASN	0	172.16.140.219	3000	
Bogus ASN	0	172.16.140.22	54000	
Bogus ASN	0	172.16.140.222	1000	
Bogus ASN	0	172.16.140.223	5000	
Bogus ASN	0	172.16.140.225	3000	
Bogus ASN	0	172.16.140.226	1000	
Bogus ASN	0	172.16.140.227	1000	

Bogus ASN	0	172.16.140.229	3000	
Bogus ASN	0	172.16.140.23	66000	
Bogus ASN	0	172.16.140.232	2000	
Bogus ASN	0	172.16.140.24	55000	
Bogus ASN	0	172.16.140.25	62000	
Bogus ASN	0	172.16.140.26	34000	
Bogus ASN	0	172.16.140.27	33000	
Bogus ASN	0	172.16.140.28	41000	
Bogus ASN	0	172.16.140.3	13000	
Bogus ASN	0	172.16.140.30	70000	
Bogus ASN	0	172.16.140.31	88000	
Bogus ASN	0	172.16.140.32	45000	
Bogus ASN	0	172.16.140.33	50000	
Bogus ASN	0	172.16.140.34	75000	
Bogus ASN	0	172.16.140.35	64000	
Bogus ASN	0	172.16.140.36	52000	
Bogus ASN	0	172.16.140.37	54000	
Bogus ASN	0	172.16.140.38	45000	
Bogus ASN	0	172.16.140.39	70000	
Bogus ASN	0	172.16.140.4	43000	
Bogus ASN	0	172.16.140.40	24000	
Bogus ASN	0	172.16.140.41	43000	
Bogus ASN	0	172.16.140.42	35000	
Bogus ASN	0	172.16.140.43	41000	
Bogus ASN	0	172.16.140.44	48000	
Bogus ASN	0	172.16.140.45	49000	
Bogus ASN	0	172.16.140.46	40000	
Bogus ASN	0	172.16.140.47	12000	
Bogus ASN	0	172.16.140.48	40000	
Bogus ASN	0	172.16.140.49	18000	
Bogus ASN	0	172.16.140.5	35000	
Bogus ASN	0	172.16.140.50	29000	
Bogus ASN	0	172.16.140.51	22000	
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Bogus ASN	0	172.16.140.53	20000	
Bogus ASN	0	172.16.140.54	33000	
Bogus ASN	0	172.16.140.55	43000	
Bogus ASN	0	172.16.140.56	62000	
Bogus ASN	0	172.16.140.57	44000	
Bogus ASN	0	172.16.140.58	59000	
Bogus ASN	0	172.16.140.59	44000	
Bogus ASN	0	172.16.140.6	33000	
Bogus ASN	0	172.16.140.60	65000	

Bogus ASN	0	172.16.140.61	67000	
Bogus ASN	0	172.16.140.62	31000	
Bogus ASN	0	172.16.140.63	56000	
Bogus ASN	0	172.16.140.64	38000	
Bogus ASN	0	172.16.140.65	25000	
Bogus ASN	0	172.16.140.66	49000	
Bogus ASN	0	172.16.140.67	56000	
Bogus ASN	0	172.16.140.68	57000	
Bogus ASN	0	172.16.140.69	68000	
Bogus ASN	0	172.16.140.7	52000	
Bogus ASN	0	172.16.140.70	70000	
Bogus ASN	0	172.16.140.71	40000	
Bogus ASN	0	172.16.140.72	51000	
Bogus ASN	0	172.16.140.73	76000	
Bogus ASN	0	172.16.140.74	66000	
Bogus ASN	0	172.16.140.75	27000	
Bogus ASN	0	172.16.140.76	45000	
Bogus ASN	0	172.16.140.77	74000	
Bogus ASN	0	172.16.140.78	28000	
Bogus ASN	0	172.16.140.79	43000	
Bogus ASN	0	172.16.140.8	61000	
Bogus ASN	0	172.16.140.80	40000	
Bogus ASN	0	172.16.140.81	38000	
Bogus ASN	0	172.16.140.82	71000	
Bogus ASN	0	172.16.140.83	48000	
Bogus ASN	0	172.16.140.84	46000	
Bogus ASN	0	172.16.140.85	65000	
Bogus ASN	0	172.16.140.86	41000	
Bogus ASN	0	172.16.140.87	46000	
Bogus ASN	0	172.16.140.88	83000	
Bogus ASN	0	172.16.140.89	27000	
Bogus ASN	0	172.16.140.9	32000	
Bogus ASN	0	172.16.140.90	42000	
Bogus ASN	0	172.16.140.91	57000	
Bogus ASN	0	172.16.140.92	45000	
Bogus ASN	0	172.16.140.93	85000	
Bogus ASN	0	172.16.140.94	44000	
Bogus ASN	0	172.16.140.95	53000	
Bogus ASN	0	172.16.140.96	83000	
Bogus ASN	0	172.16.140.97	55000	
Bogus ASN	0	172.16.140.98	74000	
Bogus ASN	0	172.16.140.99	30000	
Bogus ASN	0	172.16.141.5	1000	

Bogus ASN	0	172.16.142.10	29000	
Bogus ASN	0	172.16.142.100	94000	
Bogus ASN	0	172.16.142.101	44000	
Bogus ASN	0	172.16.142.102	118000	
Bogus ASN	0	172.16.142.103	126000	
Bogus ASN	0	172.16.142.104	16000	
Bogus ASN	0	172.16.142.105	118000	
Bogus ASN	0	172.16.142.11	37000	
Bogus ASN	0	172.16.142.12	30000	
Bogus ASN	0	172.16.142.13	15000	
Bogus ASN	0	172.16.142.14	31000	
Bogus ASN	0	172.16.142.15	13000	
Bogus ASN	0	172.16.142.16	26000	
Bogus ASN	0	172.16.142.17	15000	
Bogus ASN	0	172.16.142.18	34000	
Bogus ASN	0	172.16.142.20	33000	
Bogus ASN	0	172.16.142.21	34000	
Bogus ASN	0	172.16.142.22	28000	
Bogus ASN	0	172.16.142.23	27000	
Bogus ASN	0	172.16.142.24	29000	
Bogus ASN	0	172.16.142.25	30000	
Bogus ASN	0	172.16.142.26	29000	
Bogus ASN	0	172.16.142.27	37000	
Bogus ASN	0	172.16.142.28	22000	
Bogus ASN	0	172.16.142.29	26000	
Bogus ASN	0	172.16.142.30	24000	
Bogus ASN	0	172.16.142.31	25000	
Bogus ASN	0	172.16.142.32	38000	
Bogus ASN	0	172.16.142.33	27000	
Bogus ASN	0	172.16.142.34	39000	
Bogus ASN	0	172.16.142.35	40000	
Bogus ASN	0	172.16.142.36	19000	
Bogus ASN	0	172.16.142.37	21000	
Bogus ASN	0	172.16.142.38	17000	
Bogus ASN	0	172.16.142.39	11000	
Bogus ASN	0	172.16.142.40	27000	
Bogus ASN	0	172.16.142.41	20000	
Bogus ASN	0	172.16.142.42	28000	
Bogus ASN	0	172.16.142.43	20000	
Bogus ASN	0	172.16.142.44	20000	
Bogus ASN	0	172.16.142.45	27000	
Bogus ASN	0	172.16.142.46	26000	
Bogus ASN	0	172.16.142.47	25000	

Bogus ASN	0	172.16.142.5	8000	
Bogus ASN	0	172.16.142.51	20000	
Bogus ASN	0	172.16.142.52	29000	
Bogus ASN	0	172.16.142.53	29000	
Bogus ASN	0	172.16.142.54	18000	
Bogus ASN	0	172.16.142.55	15000	
Bogus ASN	0	172.16.142.56	29000	
Bogus ASN	0	172.16.142.57	26000	
Bogus ASN	0	172.16.142.58	10000	
Bogus ASN	0	172.16.142.6	11000	
Bogus ASN	0	172.16.142.60	27000	
Bogus ASN	0	172.16.142.64	42000	
Bogus ASN	0	172.16.142.67	39000	
Bogus ASN	0	172.16.142.68	15000	
Bogus ASN	0	172.16.142.69	14000	
Bogus ASN	0	172.16.142.7	30000	
Bogus ASN	0	172.16.142.74	112000	
Bogus ASN	0	172.16.142.75	112000	
Bogus ASN	0	172.16.142.76	96000	
Bogus ASN	0	172.16.142.77	106000	
Bogus ASN	0	172.16.142.78	105000	
Bogus ASN	0	172.16.142.79	110000	
Bogus ASN	0	172.16.142.8	18000	
Bogus ASN	0	172.16.142.80	132000	
Bogus ASN	0	172.16.142.81	100000	
Bogus ASN	0	172.16.142.82	106000	
Bogus ASN	0	172.16.142.83	106000	
Bogus ASN	0	172.16.142.84	45000	
Bogus ASN	0	172.16.142.85	109000	
Bogus ASN	0	172.16.142.86	144000	
Bogus ASN	0	172.16.142.87	73000	
Bogus ASN	0	172.16.142.88	100000	
Bogus ASN	0	172.16.142.89	111000	
Bogus ASN	0	172.16.142.9	25000	
Bogus ASN	0	172.16.142.90	113000	
Bogus ASN	0	172.16.142.91	115000	
Bogus ASN	0	172.16.142.92	117000	
Bogus ASN	0	172.16.142.94	170000	
Bogus ASN	0	172.16.142.95	144000	
Bogus ASN	0	172.16.142.96	130000	
Bogus ASN	0	172.16.142.97	115000	
Bogus ASN	0	172.16.142.98	147000	
Bogus ASN	0	192.168.3.16	1000	

Bogus ASN	0	192.168.3.23	1000	
Bogus ASN	0	2001:1458:302:18::2	1000	
Bogus ASN	0	2001:1458:302:2f::2	3000	
Bogus ASN	0	2001:410:101:12::1	5000	
Bogus ASN	0	2001:410:101:12::2	1000	
Bogus ASN	0	2001:410:101:18::2	1000	
Bogus ASN	0	2001:410:101:f00::2	1000	
Bogus ASN	0	205.189.32.174	2000	
Bogus ASN	0	205.189.32.176	9000	
Bogus ASN	0	205.189.32.180	6000	
Bogus ASN	0	205.189.32.181	11000	
Bogus ASN	0	205.189.32.183	44000	
Bogus ASN	0	205.189.32.198	58000	
Bogus ASN	0	205.189.32.199	59000	
Bogus ASN	0	205.189.32.60	2000	
Bogus ASN	0	206.12.8.25	1000	
Bogus ASN	0	206.12.9.113	16000	
Bogus ASN	0	206.12.9.117	154000	
Bogus ASN	0	206.12.9.85	21000	
Bogus ASN	0	206.12.9.89	10000	
Bogus ASN	0	206.12.9.94	24000	
Bogus ASN	0	2607:f8f0:660:206::2	8000	

Valid	cern-07-2018	cern-08-2018	cern-09-2018	Total
Packets/Month	38985702000	48072601000	58023531000	145081834000
Address/Month	23777	21930	22230	67937
Unroutable	cern-07-2018	cern-08-2018	cern-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	cern-07-2018	cern-08-2018	cern-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	cernlight-07-2018	cernlight-08-2018	cernlight-09-2018	Total
Packets/Month	842582000	1995908000	3434132000	6272622000
Address/Month	691	727	834	1049
Unroutable	cernlight-07-2018	cernlight-08-2018	cernlight-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	cernlight-07-2018	cernlight-08-2018	cernlight-09-2018	Total
Packets/Month	8000	0	9000	17000
Address/Month	2	0	4	6
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	
Bogus ASN	0	144.206.255.201	7000	
Bogus ASN	0	144.206.255.209	5000	
Bogus ASN	0	159.93.160.243	1000	
Bogus ASN	0	159.93.160.244	2000	
Bogus ASN	0	172.20.89.223	1000	
Bogus ASN	0	172.20.89.240	1000	

Valid	duke-07-2018	duke-08-2018	duke-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	duke-07-2018	duke-08-2018	duke-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	duke-07-2018	duke-08-2018	duke-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	fnal-07-2018	fnal-08-2018	fnal-09-2018	Total
Packets/Month	82105130000	61389830000	29190783000	172685743000
Address/Month	1136	1136	1099	1151
Unroutable	fnal-07-2018	fnal-08-2018	fnal-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	fnal-07-2018	fnal-08-2018	fnal-09-2018	Total
Packets/Month	33000	23000	15000	71000
Address/Month	3	3	2	3
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	
Bogus ASN	0	192.16.166.26	57000	
Bogus ASN	0	2001:1458:302::2	5000	
Bogus ASN	0	2001:400:f002:28::3	9000	

Valid	geant-07-2018	geant-08-2018	geant-09-2018	Total
Packets/Month	211633436000	211619973000	335618669000	758872078000
Address/Month	10085	8822	9052	10606
Unroutable	geant-07-2018	geant-08-2018	geant-09-2018	Total
Packets/Month	3110224000	2458901000	7903123000	1,890,000.00
Address/Month	86	26	19	108
Bogus ASN	geant-07-2018	geant-08-2018	geant-09-2018	Total
Packets/Month	42039000	3939000	7632000	53610000
Address/Month	84	21	33	101
Unroutable	ASN	Unroutable Address	Packet Count	
Unroutable	293	2001:1458:301:20::100:c7	5000	
Unroutable	293	2001:1458:301:33::100:c9	1000	
Unroutable	293	2001:1458:301:34::100:16	3000	
Unroutable	293	2001:1458:301:54::100:1c	1000	
Unroutable	293	2001:1458:301:59::100:6a	1000	
Unroutable	293	2001:1458:301:6e::100:9	4000	
Unroutable	293	2001:1458:301:7f::100:1e	1000	
Unroutable	293	2001:1458:301:7f::100:c	16000	
Unroutable	293	2001:1458:301:80::100:5	62000	
Unroutable	293	2001:1458:301:92::100:9	2000	
Unroutable	293	2001:1458:301:9b::100:11	4000	
Unroutable	293	2001:1458:301:9b::100:15	7000	
Unroutable	293	2001:1458:301:9b::100:16	3000	
Unroutable	293	2001:1458:301:9b::100:5	3000	
Unroutable	293	2001:1458:301:9b::100:9	14000	
Unroutable	293	2001:1458:301:9c::100:f	5000	
Unroutable	293	2001:630:12:580:1a66:daff:fe87:967b	1000	
Unroutable	293	2001:630:12:580:1a66:daff:fe89:95d	1000	
Unroutable	293	2001:630:12:580:862b:2bff:fe76:82c7	1000	
Unroutable	293	2001:630:12:580:862b:2bff:fe76:832a	1000	
Unroutable	293	2001:638:700:1062::1:1e	1000	
Unroutable	293	2001:660:3024:100:134:158:73:243	1000	
Unroutable	293	2001:660:302c:23:134:158:132:100	1000	
Unroutable	293	2001:660:302c:23:134:158:132:104	1000	
Unroutable	293	2001:660:302c:23:134:158:132:200	5000	
Unroutable	293	2001:660:302c:23:134:158:132:250	1000	
Unroutable	293	2001:660:302c:23:134:158:132:31	1000	
Unroutable	293	2001:660:3036:197:134:158:159:12	209000	
Unroutable	293	2001:660:3036:197:134:158:159:34	144000	
Unroutable	293	2001:660:3036:197:134:158:159:35	85000	
Unroutable	293	2001:660:3036:197:134:158:159:36	270000	
Unroutable	293	2001:660:3036:197:134:158:159:37	99000	
Unroutable	293	2001:660:3036:197:134:158:159:40	1000	
Unroutable	293	2001:660:3036:197:134:158:159:41	4000	
Unroutable	293	2001:660:3036:197:134:158:159:42	118000	
Unroutable	293	2001:660:3036:197:134:158:159:43	1000	
Unroutable	293	2001:660:3036:197:134:158:159:8	32000	
Unroutable	293	2001:660:3036:197:134:158:159:85	189000	
Unroutable	293	2001:660:3036:197:134:158:159:86	10000	
Unroutable	293	2001:660:4705:d002:134:158:150:46	3000	
Unroutable	293	2001:660:5009:9:193:48:99:106	29000	
Unroutable	293	2001:660:5009:9:193:48:99:107	3000	
Unroutable	293	2001:660:5009:9:193:48:99:108	1000	
Unroutable	293	2001:660:5009:9:193:48:99:109	14000	
Unroutable	293	2001:660:5009:9:193:48:99:110	11000	
Unroutable	293	2001:660:5009:9:193:48:99:111	7000	
Unroutable	293	2001:660:5009:9:193:48:99:112	24000	
Unroutable	293	2001:660:5009:9:193:48:99:113	10000	

Unroutable	293	2001:660:5009:9:193:48:99:115	3000		
Unroutable	293	2001:660:5009:9:193:48:99:76	1000		
Unroutable	293	2001:660:5009:9:193:48:99:77	1000		
Unroutable	293	2001:660:530f:5:193:48:83:165	5000		
Unroutable	293	2001:660:530f:5:193:48:83:97	17000		
Unroutable	293	2001:660:5310:420::2	1000		
Unroutable	293	2001:660:5408:1:134:158:20:191	21000		
Unroutable	293	2001:660:5408:1:134:158:20:192	22000		
Unroutable	293	2001:660:7224:100:193:48:101:41	2000		
Unroutable	293	2001:67c:1148:200::37	1000		
Unroutable	293	2001:67c:1148:200::40	1000		
Unroutable	293	2001:67c:1148:200::44	14000		
Unroutable	293	2001:67c:1148:200::58	33000		
Unroutable	293	2001:67c:1148:200::59	20000		
Unroutable	293	2001:67c:1148:200::62	1000		
Unroutable	293	2001:67c:1148:200::63	1000		
Unroutable	293	2001:67c:1148:200::64	1000		
Unroutable	293	2001:67c:1148:200::65	1000		
Unroutable	293	2001:67c:1148:200::69	1000		
Unroutable	293	2001:67c:1148:200::71	1000		
Unroutable	293	2001:67c:1148:200::72	1000		
Unroutable	293	2001:67c:1148:200::73	1000		
Unroutable	293	2001:67c:1148:200::74	2000		
Unroutable	293	2001:67c:1148:200::78	1000		
Unroutable	293	2001:67c:1148:200::82	1000		
Unroutable	293	2001:67c:1148:200::83	1000		
Unroutable	293	2001:67c:1148:201::18	1000		
Unroutable	293	2001:718:401:6017:20:0:14:45	1000		
Unroutable	293	2001:720:420:c003::273	1000		
Unroutable	293	2001:798:111:1::25	3000		
Unroutable	293	2001:798:111:1::29	1000		
Unroutable	293	2001:798:111:1::2d	87000		
Unroutable	293	202.122.32.45	1000		
Unroutable	293	2a00:139c:5:4102::6	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1827	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1a2e	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1a3b	4000		
Unroutable	293	2a00:8a60:1030:a00::863d:1a53	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1a55	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1a5d	2000		
Unroutable	293	2a00:8a60:1030:a00::863d:1ace	5000		
Unroutable	293	2a00:8a60:1030:a00::863d:1ae5	1000		
Unroutable	293	2a00:8a60:1030:a00::863d:1b12	2000		
Unroutable	766	192.101.166.234	13470358000		
Unroutable	789	2001:660:3036:197:134:158:159:10	4000		
Unroutable	789	2001:660:3036:197:134:158:159:12	3000		
Unroutable	789	2001:660:3036:197:134:158:159:14	1000		
Unroutable	789	2001:660:3036:197:134:158:159:3	1000		
Unroutable	789	2001:660:3036:197:134:158:159:32	3000		
Unroutable	789	2001:660:3036:197:134:158:159:33	1000		
Unroutable	789	2001:660:3036:197:134:158:159:35	11000		
Unroutable	789	2001:660:3036:197:134:158:159:36	5000		
Unroutable	789	2001:660:3036:197:134:158:159:37	9000		
Unroutable	789	2001:660:3036:197:134:158:159:38	7000		
Unroutable	789	2001:660:3036:197:134:158:159:39	5000		
Unroutable	789	2001:660:3036:197:134:158:159:41	5000		
Unroutable	789	2001:660:3036:197:134:158:159:42	13000		
Unroutable	789	2001:660:3036:197:134:158:159:43	1000		
Unroutable	789	2001:660:3036:197:134:158:159:85	146000		
Unroutable	789	2001:660:3036:197:134:158:159:86	16000		

Bogus ASN	ASN	Bogus ASN	Packet Count		
Bogus ASN	0	10.119.232.133	2000		
Bogus ASN	0	10.137.1.127	1000		
Bogus ASN	0	10.137.1.130	1000		
Bogus ASN	0	10.137.1.136	1000		
Bogus ASN	0	130.206.206.154	29000		
Bogus ASN	0	130.206.206.158	5000		
Bogus ASN	0	130.206.206.166	342000		
Bogus ASN	0	131.169.55.43	12000		
Bogus ASN	0	172.25.25.2	13000		
Bogus ASN	0	188.1.144.221	5000		
Bogus ASN	0	188.1.146.210	4000		
Bogus ASN	0	192.168.1.69	1000		
Bogus ASN	0	192.70.69.154	51000		
Bogus ASN	0	192.70.69.86	67000		
Bogus ASN	0	193.204.217.197	9000		
Bogus ASN	0	193.204.219.177	10000		
Bogus ASN	0	193.206.128.173	45000		
Bogus ASN	0	193.206.128.174	7000		
Bogus ASN	0	193.206.130.114	3000		
Bogus ASN	0	193.206.130.13	25000		
Bogus ASN	0	193.206.130.14	25000		
Bogus ASN	0	193.206.131.18	3000		
Bogus ASN	0	193.206.137.245	1000		
Bogus ASN	0	193.51.164.2	36625000		
Bogus ASN	0	193.51.182.97	3000		
Bogus ASN	0	193.51.185.165	13000		
Bogus ASN	0	193.51.187.193	124000		
Bogus ASN	0	193.51.188.197	17000		
Bogus ASN	0	193.51.191.109	7000		
Bogus ASN	0	193.51.191.225	26000		
Bogus ASN	0	193.51.191.233	2508000		
Bogus ASN	0	193.51.191.49	40000		
Bogus ASN	0	193.51.191.53	3000		
Bogus ASN	0	193.51.191.77	9000		
Bogus ASN	0	2001:12d0:8120::133	2000		
Bogus ASN	0	2001:12d0:8120::135	2567000		
Bogus ASN	0	2001:12d0:8120::136	4579000		
Bogus ASN	0	2001:12d0:8120::153	1000		
Bogus ASN	0	2001:12d0:8120::158	1000		
Bogus ASN	0	2001:12d0:8120::161	1000		
Bogus ASN	0	2001:12d0:8120::164	1000		
Bogus ASN	0	2001:12d0:8120::165	1000		
Bogus ASN	0	2001:12d0:8120::171	1000		
Bogus ASN	0	2001:12d0:8120::175	1000		
Bogus ASN	0	2001:12d0:8120::180	1000		
Bogus ASN	0	2001:12d0:8120::181	1000		
Bogus ASN	0	2001:12d0:8120::183	1000		
Bogus ASN	0	2001:12d0:8120::193	1000		
Bogus ASN	0	2001:12d0:8120::197	1000		
Bogus ASN	0	2001:12d0:8120::201	1000		
Bogus ASN	0	2001:12d0:8120::204	1000		
Bogus ASN	0	2001:12d0:8120::206	1000		
Bogus ASN	0	2001:12d0:8120::207	1000		
Bogus ASN	0	2001:12d0:8120::209	1000		
Bogus ASN	0	2001:12d0:8120::210	1000		
Bogus ASN	0	2001:12d0:8120::212	1000		
Bogus ASN	0	2001:12d0:8120::213	1000		
Bogus ASN	0	2001:638:c:da40::2	1000		
Bogus ASN	0	2001:660:7904:117:1::1	2000		
Bogus ASN	0	2001:660:7904:121:1::1	2260000		

Bogus ASN	0	2001:660:7904:142:1::2	9000		
Bogus ASN	0	2001:660:7904:160:1::1	48000		
Bogus ASN	0	2001:660:7904:171:1::1	3000		
Bogus ASN	0	2001:660:7904:173:1::1	2000		
Bogus ASN	0	2001:660:7904:249:1::1	2000		
Bogus ASN	0	2001:660:7904:252:1::1	2000		
Bogus ASN	0	2001:67c:1148:200::71	1000		
Bogus ASN	0	2001:67c:1148:200::74	1000		
Bogus ASN	0	2001:67c:1148:200::82	1000		
Bogus ASN	0	2001:67c:1148:200::83	1000		
Bogus ASN	0	2001:760:422c:35::17	2138000		
Bogus ASN	0	2001:760:422c:35::18	1025000		
Bogus ASN	0	2001:760:fff:114::10	1000		
Bogus ASN	0	2001:760:fff:114::11	3000		
Bogus ASN	0	2001:760:fff:11c::13	1000		
Bogus ASN	0	2001:760:fff:128::1c	1000		
Bogus ASN	0	2001:760:fff:128::1d	247000		
Bogus ASN	0	2001:760:fff:ffd::80:5	9000		
Bogus ASN	0	2001:798:111:1::6	6000		
Bogus ASN	0	2001:798:111:1::75	4000		
Bogus ASN	0	2001:798:111:1::91	1000		
Bogus ASN	0	37.128.233.154	7000		
Bogus ASN	0	37.128.239.102	64000		
Bogus ASN	0	37.128.239.141	9000		
Bogus ASN	0	37.128.239.142	24000		
Bogus ASN	0	37.128.239.146	21000		
Bogus ASN	0	37.128.239.149	16000		
Bogus ASN	0	37.128.239.150	42000		
Bogus ASN	0	37.128.239.186	57000		
Bogus ASN	0	62.40.112.194	82000		
Bogus ASN	0	62.40.98.109	17000		
Bogus ASN	0	62.40.98.117	26000		
Bogus ASN	0	62.40.98.128	127000		
Bogus ASN	0	62.40.98.152	2000		
Bogus ASN	0	62.40.98.153	19000		
Bogus ASN	0	62.40.98.46	40000		
Bogus ASN	0	62.40.98.76	3000		
Bogus ASN	0	62.40.98.97	18000		
Bogus ASN	0	90.147.80.10	18000		
Bogus ASN	0	90.147.80.2	16000		
Bogus ASN	0	90.147.80.6	54000		

Valid	in-gpop-07-2018	internet2-07-2018	in-gpop-08-2018	internet2-08-2018	in-gpop-09-2018	Total
Packets/Month	80674000	117356167000	225663000	103808272000	335000	221471111000
Address/Month	753	852	723	696	80	1637
Unroutable	in-gpop-07-2018	internet2-07-2018	in-gpop-08-2018	internet2-08-2018	in-gpop-09-2018	Total
Packets/Month	0	0	0	0	0	0
Address/Month	0	0	0	0	0	0
Bogus ASN	in-gpop-07-2018	internet2-07-2018	in-gpop-08-2018	internet2-08-2018	in-gpop-09-2018	Total
Packets/Month	0	49000	2000	3000	0	54000
Address/Month	0	11	2	1	0	13
Unroutable	ASN	Unroutable Address	Packet Count			
Bogus ASN	ASN	Bogus ASN	Packet Count			
Bogus ASN	0	128.100.200.193	6000			
Bogus ASN	0	128.100.200.198	10000			
Bogus ASN	0	142.90.1.26	4000			
Bogus ASN	0	149.165.254.198	1000			
Bogus ASN	0	149.165.255.3	1000			
Bogus ASN	0	205.189.32.175	4000			
Bogus ASN	0	205.189.32.177	4000			
Bogus ASN	0	205.189.32.181	9000			
Bogus ASN	0	205.189.32.183	2000			
Bogus ASN	0	205.189.32.199	2000			
Bogus ASN	0	205.189.32.61	4000			
Bogus ASN	0	206.12.9.85	3000			
Bogus ASN	0	206.12.9.89	4000			

Valid	internet2-07-2018	internet2-08-2018	Total
Packets/Month	117356167000	103808272000	221164439000
Address/Month	852	696	917
Unroutable	internet2-07-2018	internet2-08-2018	Total
Packets/Month	0	0	0
Address/Month	0	0	0
Bogus ASN	internet2-07-2018	internet2-08-2018	Total
Packets/Month	49000	3000	52000
Address/Month	11	1	11
Unroutable	ASN	Unroutable Address	Packet Count
Bogus ASN	ASN	Bogus ASN	Packet Count
Bogus ASN	0	128.100.200.193	6000
Bogus ASN	0	128.100.200.198	10000
Bogus ASN	0	142.90.1.26	4000
Bogus ASN	0	205.189.32.175	4000
Bogus ASN	0	205.189.32.177	4000
Bogus ASN	0	205.189.32.181	9000
Bogus ASN	0	205.189.32.183	2000
Bogus ASN	0	205.189.32.199	2000
Bogus ASN	0	205.189.32.61	4000
Bogus ASN	0	206.12.9.85	3000
Bogus ASN	0	206.12.9.89	4000

Valid	jgn-07-2018	jgn-08-2018	jgn-09-2018	Total
Packets/Month	231346000	4071465000	3036472000	7339283000
Address/Month	155	315	355	444
Unroutable	jgn-07-2018	jgn-08-2018	jgn-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	jgn-07-2018	jgn-08-2018	jgn-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	kiae-07-2018	kiae-08-2018	kiae-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	kiae-07-2018	kiae-08-2018	kiae-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	kiae-07-2018	kiae-08-2018	kiae-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	kreonet-07-2018	kreonet-08-2018	kreonet-09-2018	Total
Packets/Month	647294000	707520000	592543000	1947357000
Address/Month	142	154	149	155
Unroutable	kreonet-07-2018	kreonet-08-2018	kreonet-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	kreonet-07-2018	kreonet-08-2018	kreonet-09-2018	Total
Packets/Month	15000	5000	0	20000
Address/Month	1	1	0	1
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	
Bogus ASN	0	134.75.205.33	20000	

Valid	mit-07-2018	mit-08-2018	mit-09-2018	Total
Packets/Month	499675000	1539364000	1467572000	3506611000
Address/Month	464	472	532	581
Unroutable	mit-07-2018	mit-08-2018	mit-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	mit-07-2018	mit-08-2018	mit-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	net2-07-2018	net2-08-2018	net2-09-2018	Total
Packets/Month	17382857000	45620804000	35494209000	98497870000
Address/Month	31	31	31	33
Unroutable	net2-07-2018	net2-08-2018	net2-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	net2-07-2018	net2-08-2018	net2-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	nordunet-07-201	nordunet-08-2018	nordunet-09-201	Total
Packets/Month	14137156000	31091518000	44393390000	89622064000
Address/Month	1142	1165	1158	1208
Unroutable	nordunet-07-201	nordunet-08-2018	nordunet-09-201	Total
Packets/Month	72000	97000	84000	253000
Address/Month	1	1	1	1
Bogus ASN	nordunet-07-201	nordunet-08-2018	nordunet-09-201	Total
Packets/Month	342000	8723000	9637000	18702000
Address/Month	4	5	18	22
Unroutable	ASN	Unroutable Address	Packet Count	
Unroutable	2603	109.105.99.156	253000	
Bogus ASN	ASN	Bogus ASN	Packet Count	
Bogus ASN	0	109.105.102.117	8000	
Bogus ASN	0	109.105.97.132	12000	
Bogus ASN	0	109.105.97.50	109000	
Bogus ASN	0	109.105.97.56	10000	
Bogus ASN	0	109.105.97.57	44000	
Bogus ASN	0	109.105.97.76	179000	
Bogus ASN	0	109.105.97.77	126000	
Bogus ASN	0	144.206.254.42	5000	
Bogus ASN	0	144.206.255.201	133000	
Bogus ASN	0	144.206.255.209	86000	
Bogus ASN	0	159.93.160.243	13000	
Bogus ASN	0	159.93.160.244	12000	
Bogus ASN	0	185.141.124.195	7490000	
Bogus ASN	0	185.141.124.197	1000	
Bogus ASN	0	185.141.124.199	8965000	
Bogus ASN	0	185.141.124.200	185000	
Bogus ASN	0	185.141.124.201	506000	
Bogus ASN	0	185.141.124.202	812000	
Bogus ASN	0	192.168.128.121	2000	
Bogus ASN	0	192.168.128.140	1000	
Bogus ASN	0	193.124.224.35	2000	
Bogus ASN	0	193.124.225.69	2000	

Valid	ornl-07-2018	ornl-08-2018	ornl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ornl-07-2018	ornl-08-2018	ornl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ornl-07-2018	ornl-08-2018	ornl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	ou-07-2018	ou-08-2018	ou-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ou-07-2018	ou-08-2018	ou-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ou-07-2018	ou-08-2018	ou-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	pnnl-07-2018	pnnl-08-2018	pnnl-09-2018	Total
Packets/Month	424810000	10045000	7366000	442221000
Address/Month	31	29	26	34
Unroutable	pnnl-07-2018	pnnl-08-2018	pnnl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	pnnl-07-2018	pnnl-08-2018	pnnl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	mp-07-2018	mp-08-2018	mp-09-2018	Total
Packets/Month	1959794000	1456800000	1175805000	4592399000
Address/Month	142	141	128	144
Unroutable	mp-07-2018	mp-08-2018	mp-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	mp-07-2018	mp-08-2018	mp-09-2018	Total
Packets/Month	52000	0	45000	97000
Address/Month	1	0	1	1
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	sinet-07-2018	sinet-08-2018	sinet-09-2018	Total
Packets/Month	4574327000	5414530000	5353621000	15342478000
Address/Month	363	189	202	377
Unroutable	sinet-07-2018	sinet-08-2018	sinet-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	sinet-07-2018	sinet-08-2018	sinet-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	slac-07-2018	slac-08-2018	slac-09-2018	Total
Packets/Month	3102976000	12203879000	13829163000	29136018000
Address/Month	733	864	799	984
Unroutable	slac-07-2018	slac-08-2018	slac-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	slac-07-2018	slac-08-2018	slac-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	tacc-07-2018	tacc-08-2018	tacc-09-2018	Total
Packets/Month	133000	130000	134000	397000
Address/Month	2	2	2	2
Unroutable	tacc-07-2018	tacc-08-2018	tacc-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	tacc-07-2018	tacc-08-2018	tacc-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	uchicago-07-201	uchicago-08-201	uchicago-09-201	Total
Packets/Month	13855407000	27382021000	21913888000	63151316000
Address/Month	455	445	447	469
Unroutable	uchicago-07-201	uchicago-08-201	uchicago-09-201	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	uchicago-07-201	uchicago-08-201	uchicago-09-201	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	ucsb-07-2018	ucsb-08-2018	ucsb-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ucsb-07-2018	ucsb-08-2018	ucsb-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ucsb-07-2018	ucsb-08-2018	ucsb-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	ucsd-07-2018	ucsd-08-2018	ucsd-09-2018	Total
Packets/Month	104398574000	60383464000	60953225000	225735263000
Address/Month	310	304	300	323
Unroutable	ucsd-07-2018	ucsd-08-2018	ucsd-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ucsd-07-2018	ucsd-08-2018	ucsd-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	ufl-07-2018	ufl-08-2018	ufl-09-2018	Total
Packets/Month	87330498000	102268636000	68782737000	258381871000
Address/Month	364	582	637	644
Unroutable	ufl-07-2018	ufl-08-2018	ufl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	ufl-07-2018	ufl-08-2018	ufl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	uiuc-07-2018	uiuc-08-2018	uiuc-09-2018	Total
Packets/Month	5275780000	6258570000	5472501000	17006851000
Address/Month	153	153	152	153
Unroutable	uiuc-07-2018	uiuc-08-2018	uiuc-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	uiuc-07-2018	uiuc-08-2018	uiuc-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	unl-07-2018	unl-08-2018	unl-09-2018	Total
Packets/Month	0	43652610000	90723188000	134375798000
Address/Month	0	387	394	403
Unroutable	unl-07-2018	unl-08-2018	unl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	unl-07-2018	unl-08-2018	unl-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	uta-07-2018	uta-08-2018	uta-09-2018	Total
Packets/Month	13819158000	21984595000	19174549000	54978302000
Address/Month	25	25	26	26
Unroutable	uta-07-2018	uta-08-2018	uta-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	uta-07-2018	uta-08-2018	uta-09-2018	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	uwmadison-07-2	uwmadison-08-2018	uwmadison-09-2	Total
Packets/Month	97259978000	100707906000	101738742000	299706626000
Address/Month	868	863	841	881
Unroutable	uwmadison-07-2	uwmadison-08-2018	uwmadison-09-2	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	uwmadison-07-2	uwmadison-08-2018	uwmadison-09-2	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	

Valid	vanderbilt-07-20	vanderbilt-08-2018	vanderbilt-09-20	Total
Packets/Month	225818132000	180786986000	268181904000	674787022000
Address/Month	80	76	81	93
Unroutable	vanderbilt-07-20	vanderbilt-08-2018	vanderbilt-09-20	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Bogus ASN	vanderbilt-07-20	vanderbilt-08-2018	vanderbilt-09-20	Total
Packets/Month	0	0	0	0
Address/Month	0	0	0	0
Unroutable	ASN	Unroutable Address	Packet Count	
Bogus ASN	ASN	Bogus ASN	Packet Count	