

Pantheon Report

Generated at 2018-06-06 06:14:58 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

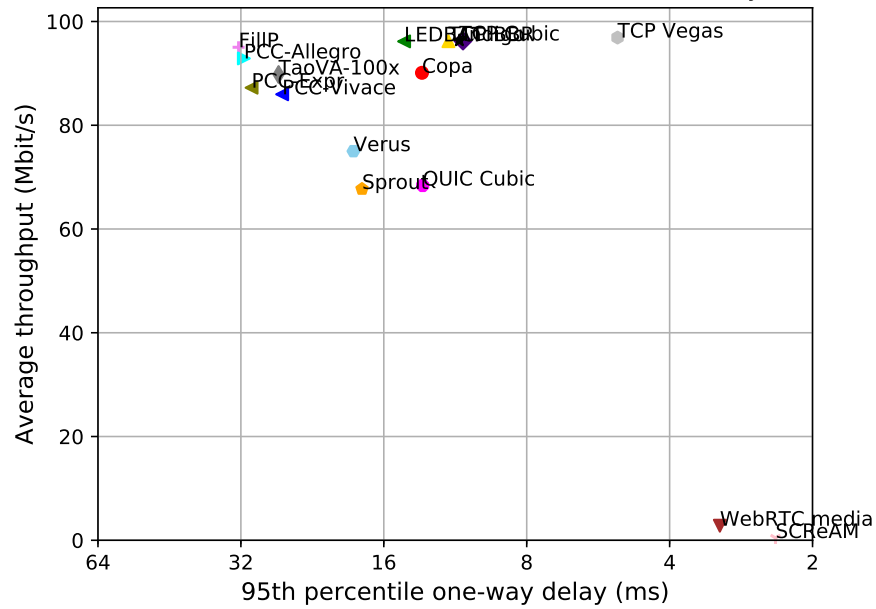
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

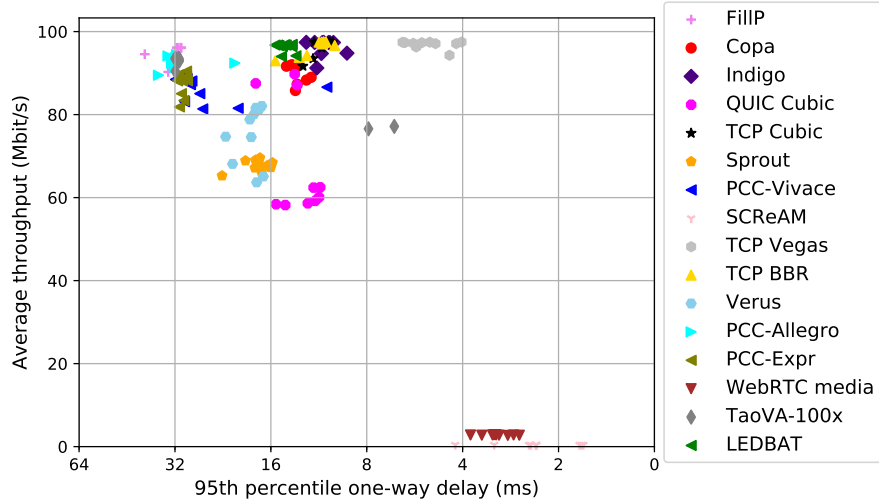
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Brazil to AWS Brazil 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil to AWS Brazil 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



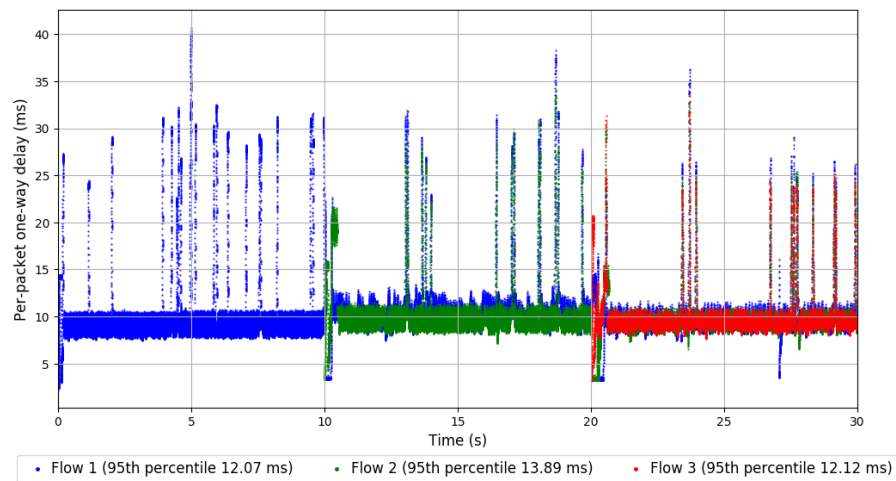
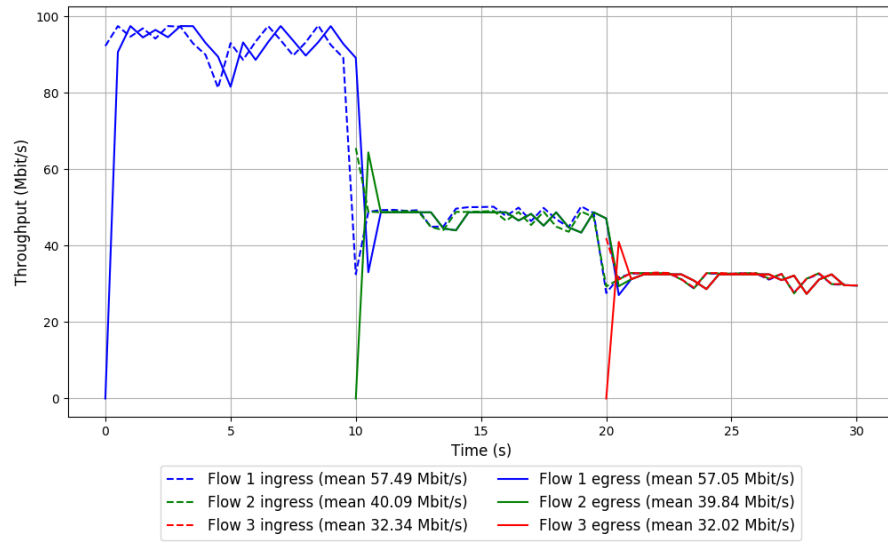
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.45	40.45	32.56	10.72	12.86	12.86	0.29	0.59	0.84
Copa	10	53.69	39.33	30.79	12.41	13.21	15.50	0.03	0.06	0.14
TCP Cubic	10	58.96	40.16	32.05	12.32	10.86	11.55	0.08	0.14	0.23
FillP	10	59.15	39.08	29.79	29.77	32.92	34.74	1.57	3.57	4.00
Indigo	10	58.90	40.19	32.25	10.26	11.23	9.88	0.05	0.62	0.32
LEDBAT	10	58.64	40.24	32.28	14.11	14.60	14.58	0.13	0.23	0.37
PCC-Allegro	10	63.13	31.91	25.95	29.69	30.62	22.99	3.52	3.25	0.69
PCC-Expr	10	52.81	37.23	29.30	27.38	30.53	31.01	0.32	0.51	0.53
QUIC Cubic	10	16.63	58.41	42.01	6.39	13.26	13.72	0.05	0.19	0.36
SCReAM	10	0.22	0.22	0.22	2.39	2.39	2.40	0.00	0.00	0.03
Sprout	10	35.33	33.68	30.29	15.83	18.01	20.57	0.04	0.07	0.14
TaoVA-100x	10	55.31	36.14	31.30	26.27	26.98	27.17	0.27	0.59	1.43
TCP Vegas	10	51.87	49.14	37.03	5.83	4.76	5.42	0.01	0.02	0.05
Verus	10	43.37	32.98	29.12	15.72	19.82	24.25	0.01	0.06	0.08
PCC-Vivace	10	55.55	32.68	26.29	21.23	23.23	18.68	0.31	0.40	0.81
WebRTC media	10	1.53	0.87	0.42	3.08	3.11	3.39	0.00	0.05	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-06 02:56:08
End at: 2018-06-06 02:56:38
Local clock offset: -5.357 ms
Remote clock offset: -1.753 ms

Below is generated by plot.py at 2018-06-06 05:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 12.331 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 12.069 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 13.886 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 12.120 ms
Loss rate: 1.03%

Run 1: Report of TCP BBR — Data Link

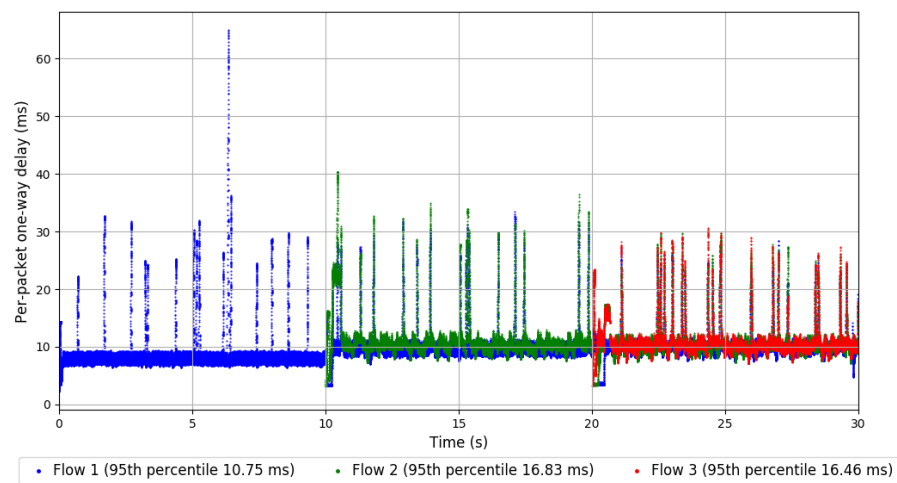
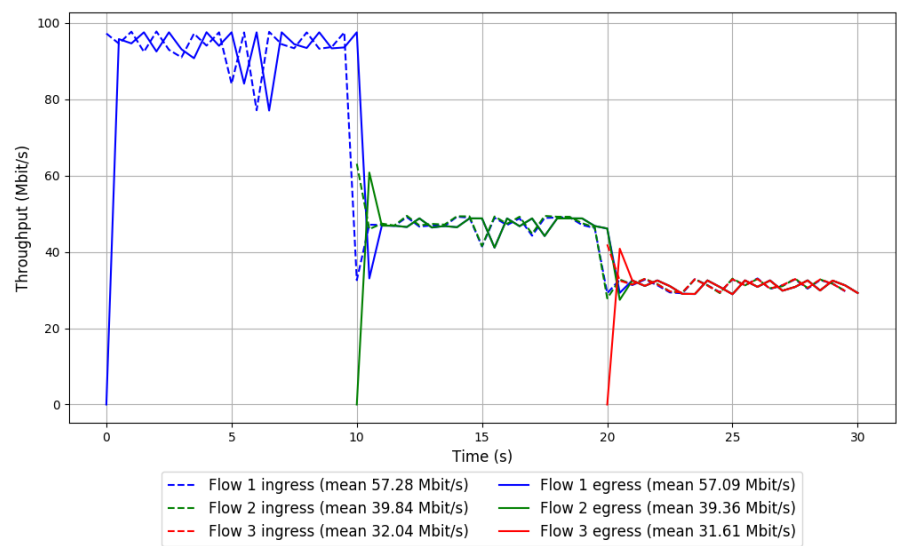


Run 2: Statistics of TCP BBR

Start at: 2018-06-06 03:14:07
End at: 2018-06-06 03:14:37
Local clock offset: -5.231 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2018-06-06 05:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 13.042 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 10.754 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 16.830 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 16.457 ms
Loss rate: 1.38%

Run 2: Report of TCP BBR — Data Link

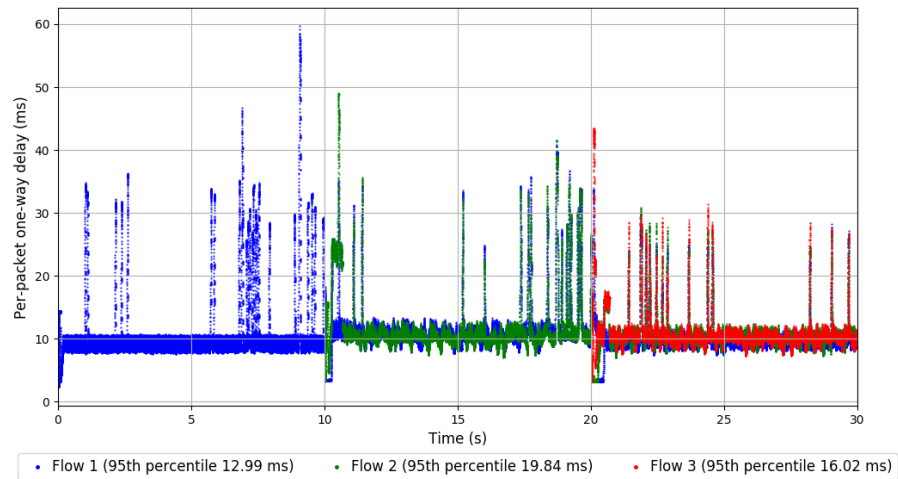
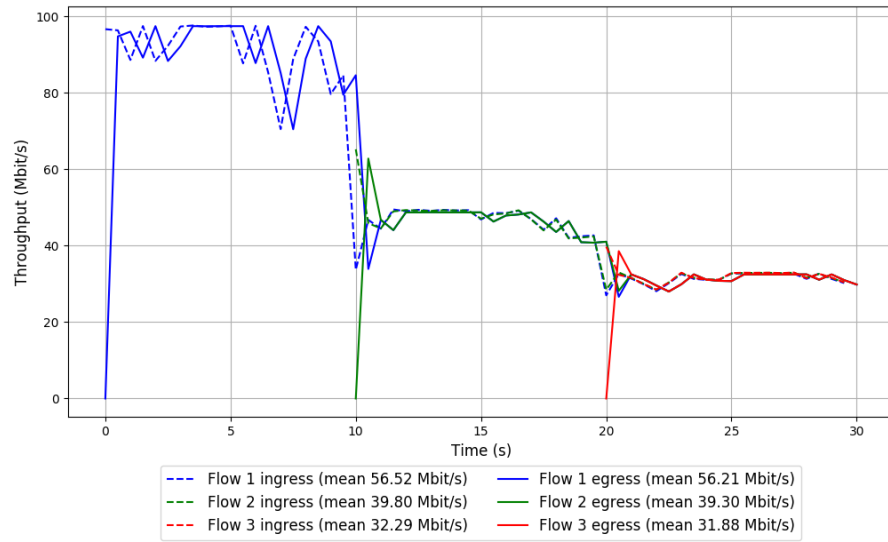


Run 3: Statistics of TCP BBR

Start at: 2018-06-06 03:32:08
End at: 2018-06-06 03:32:38
Local clock offset: -5.043 ms
Remote clock offset: -2.199 ms

Below is generated by plot.py at 2018-06-06 05:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 15.496 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 12.994 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 19.837 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 16.015 ms
Loss rate: 1.32%

Run 3: Report of TCP BBR — Data Link

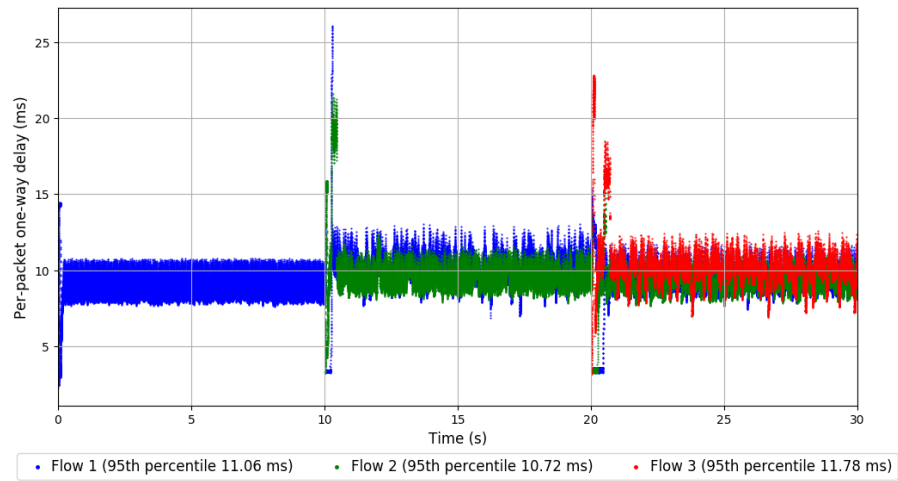
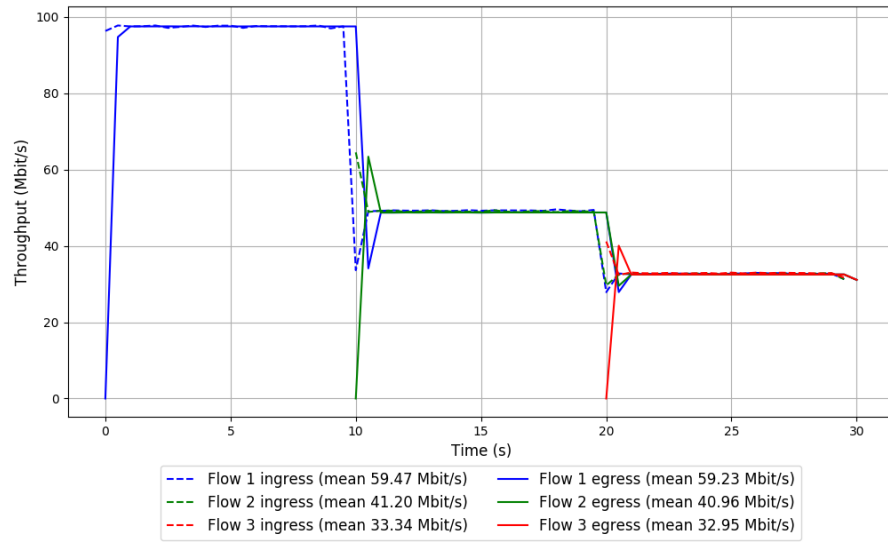


Run 4: Statistics of TCP BBR

Start at: 2018-06-06 03:50:11
End at: 2018-06-06 03:50:41
Local clock offset: -4.846 ms
Remote clock offset: -2.351 ms

Below is generated by plot.py at 2018-06-06 05:53:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 11.085 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 11.057 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 10.716 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 11.775 ms
Loss rate: 1.20%

Run 4: Report of TCP BBR — Data Link

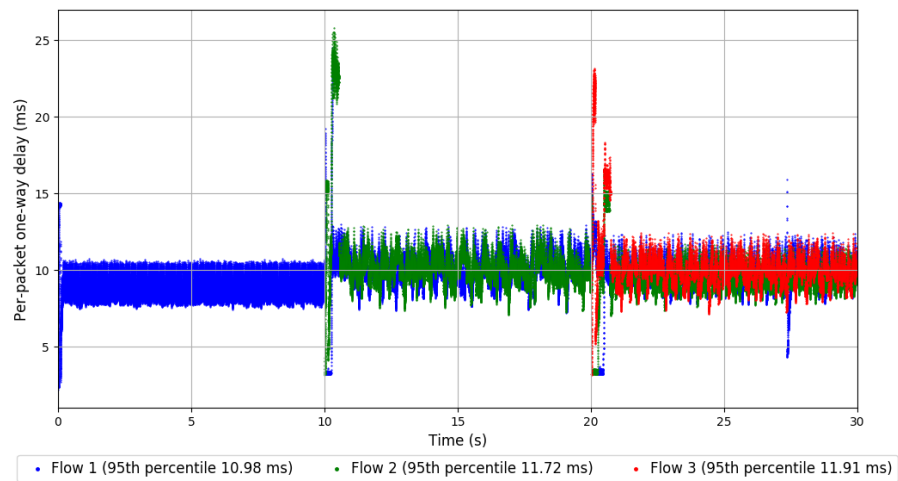
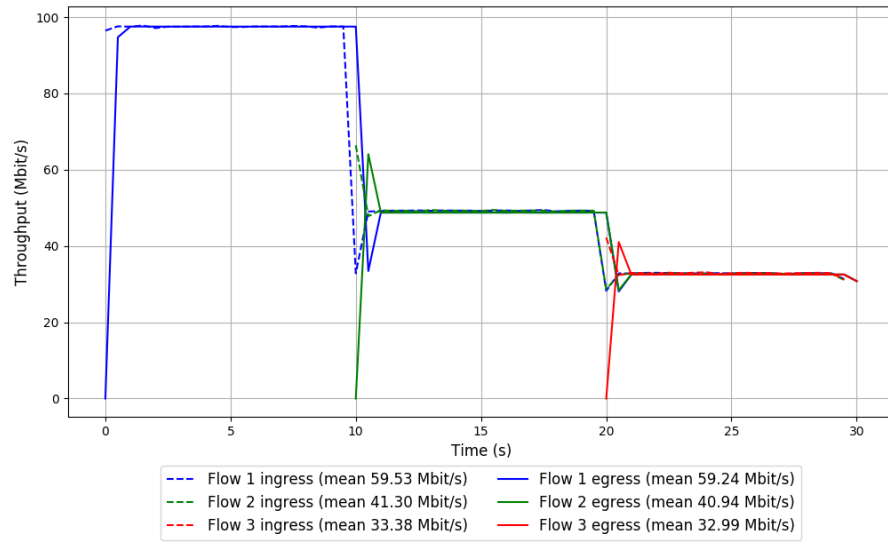


Run 5: Statistics of TCP BBR

Start at: 2018-06-06 04:08:14
End at: 2018-06-06 04:08:44
Local clock offset: -4.849 ms
Remote clock offset: -2.262 ms

Below is generated by plot.py at 2018-06-06 05:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 11.281 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 10.980 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 11.717 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 11.908 ms
Loss rate: 1.23%

Run 5: Report of TCP BBR — Data Link

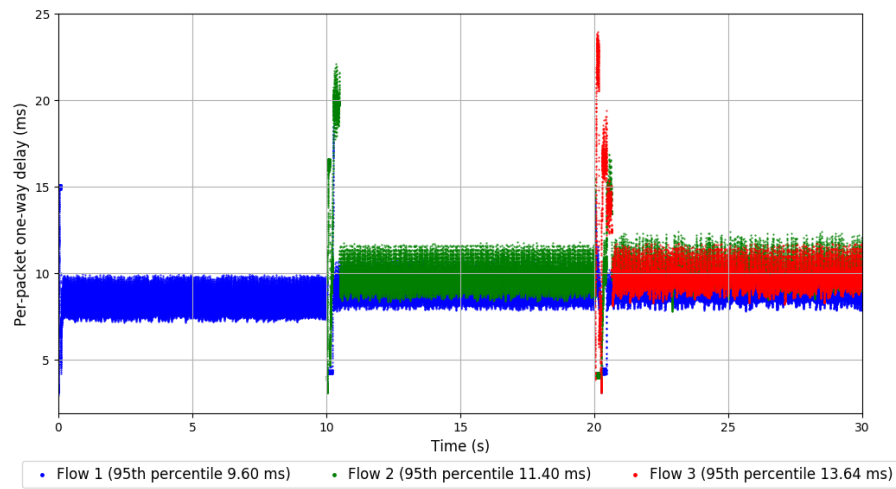
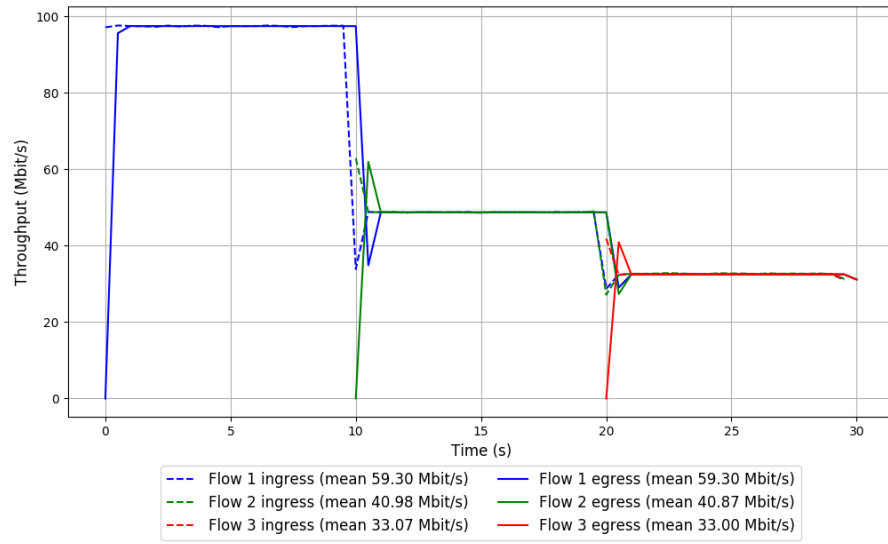


Run 6: Statistics of TCP BBR

Start at: 2018-06-06 04:26:17
End at: 2018-06-06 04:26:47
Local clock offset: -4.188 ms
Remote clock offset: -2.261 ms

Below is generated by plot.py at 2018-06-06 05:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.741 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 9.599 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 11.402 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 13.645 ms
Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link

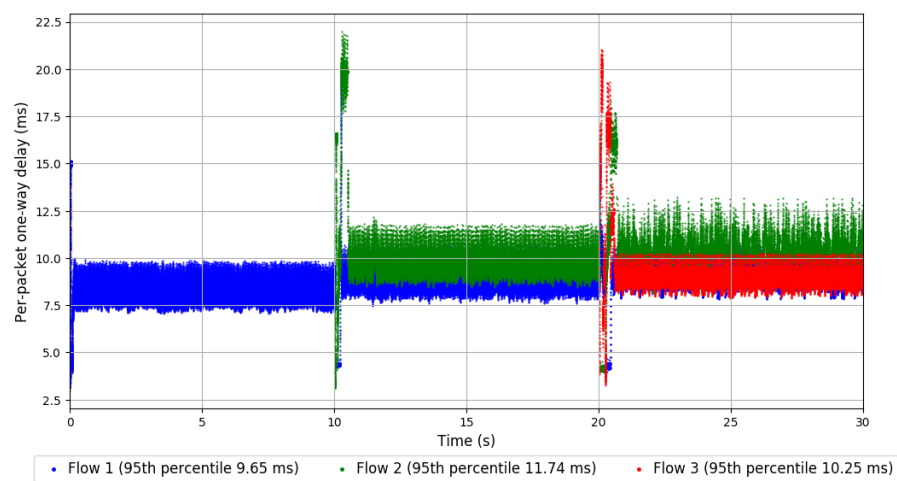
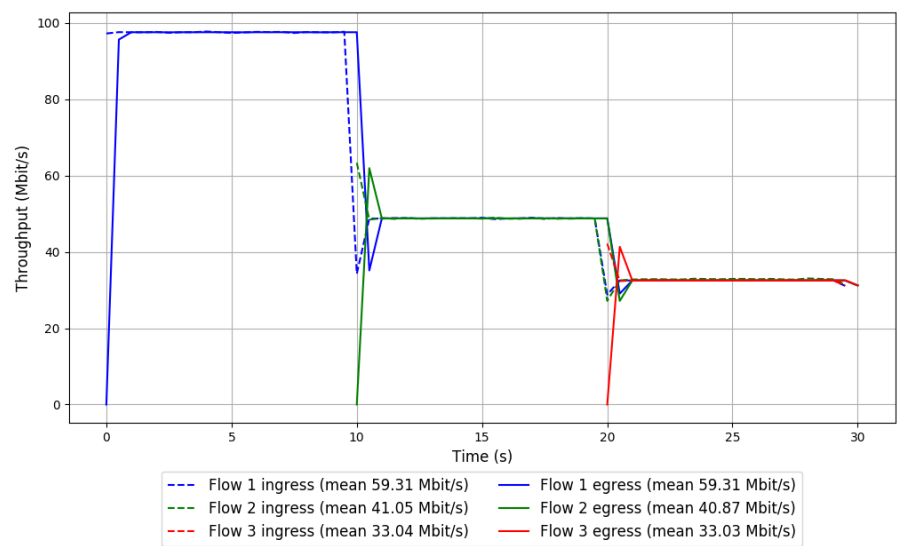


Run 7: Statistics of TCP BBR

Start at: 2018-06-06 04:44:18
End at: 2018-06-06 04:44:48
Local clock offset: -4.353 ms
Remote clock offset: -2.472 ms

Below is generated by plot.py at 2018-06-06 05:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 10.933 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 9.650 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 11.742 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 10.252 ms
Loss rate: 0.10%

Run 7: Report of TCP BBR — Data Link

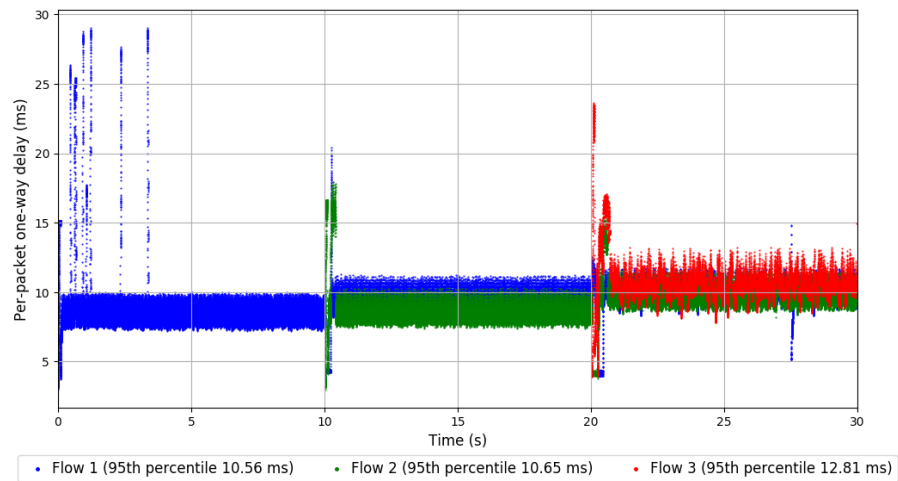
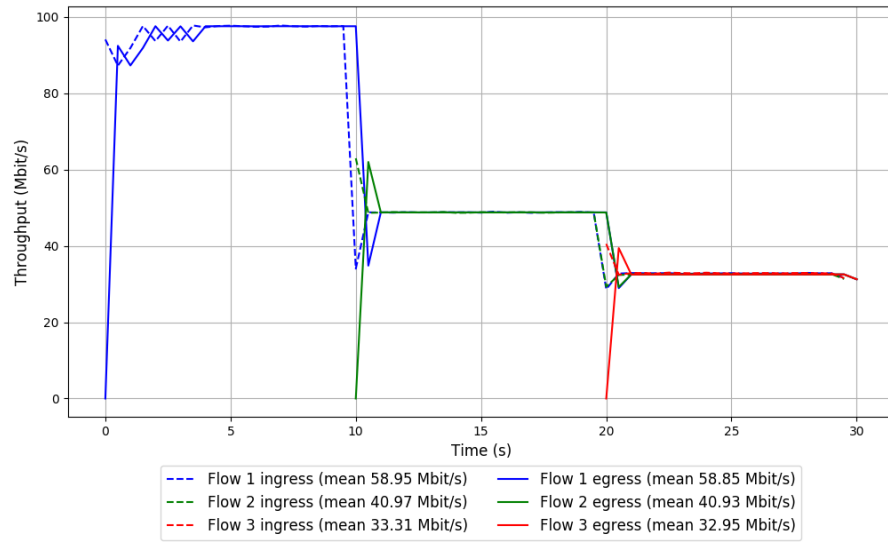


Run 8: Statistics of TCP BBR

Start at: 2018-06-06 05:02:18
End at: 2018-06-06 05:02:48
Local clock offset: -4.46 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2018-06-06 05:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 11.023 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 10.558 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 12.810 ms
Loss rate: 1.09%

Run 8: Report of TCP BBR — Data Link

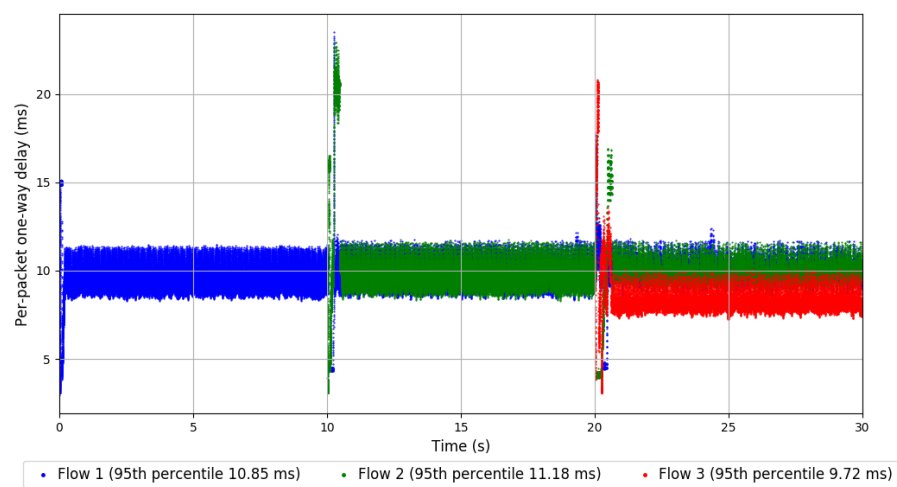
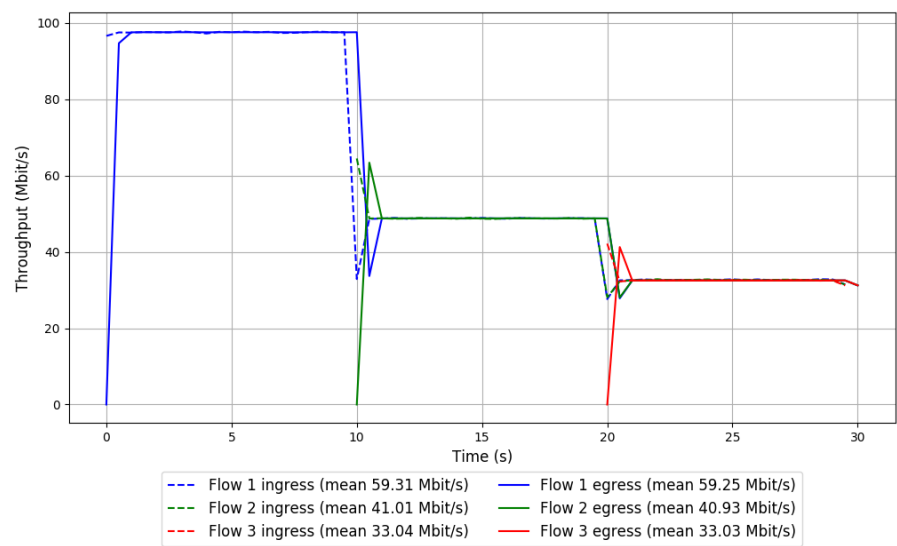


Run 9: Statistics of TCP BBR

Start at: 2018-06-06 05:20:20
End at: 2018-06-06 05:20:50
Local clock offset: -4.369 ms
Remote clock offset: -2.573 ms

Below is generated by plot.py at 2018-06-06 05:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 10.852 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 11.181 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.08%

Run 9: Report of TCP BBR — Data Link

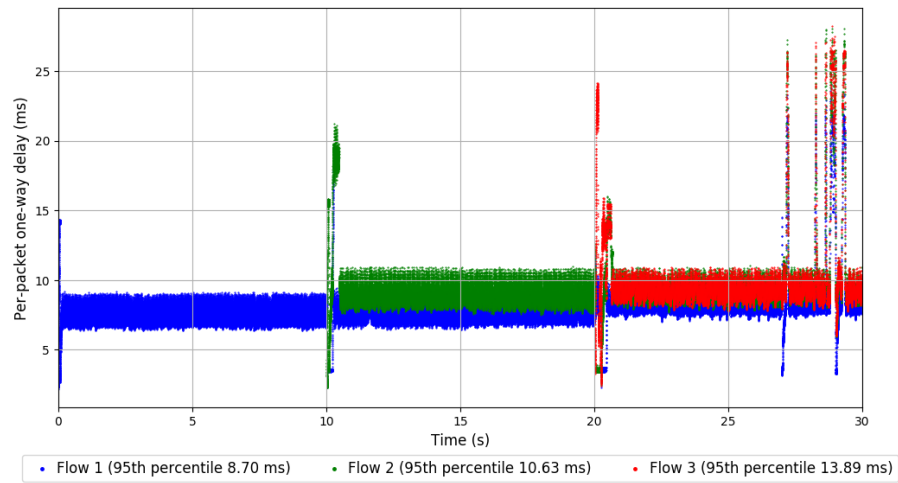
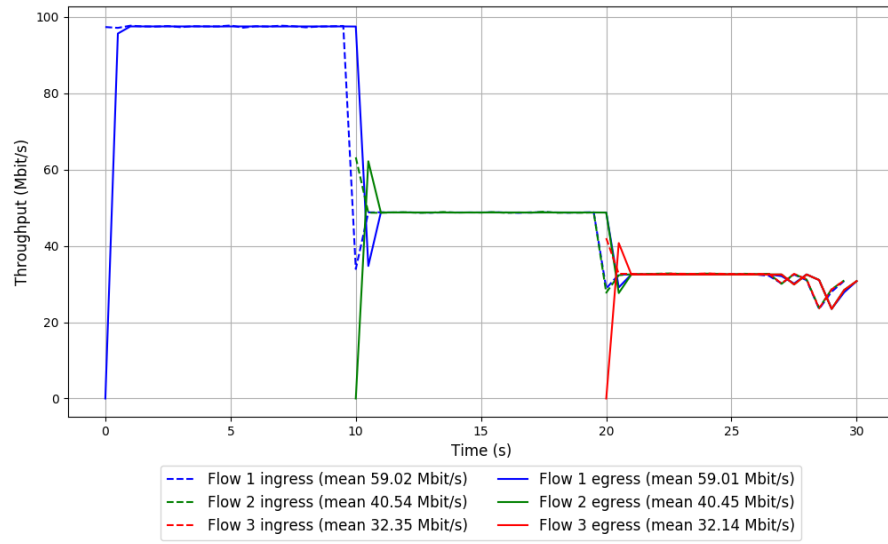


Run 10: Statistics of TCP BBR

Start at: 2018-06-06 05:38:22
End at: 2018-06-06 05:38:52
Local clock offset: -5.154 ms
Remote clock offset: -2.684 ms

Below is generated by plot.py at 2018-06-06 05:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 10.086 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 10.628 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 13.886 ms
Loss rate: 0.71%

Run 10: Report of TCP BBR — Data Link

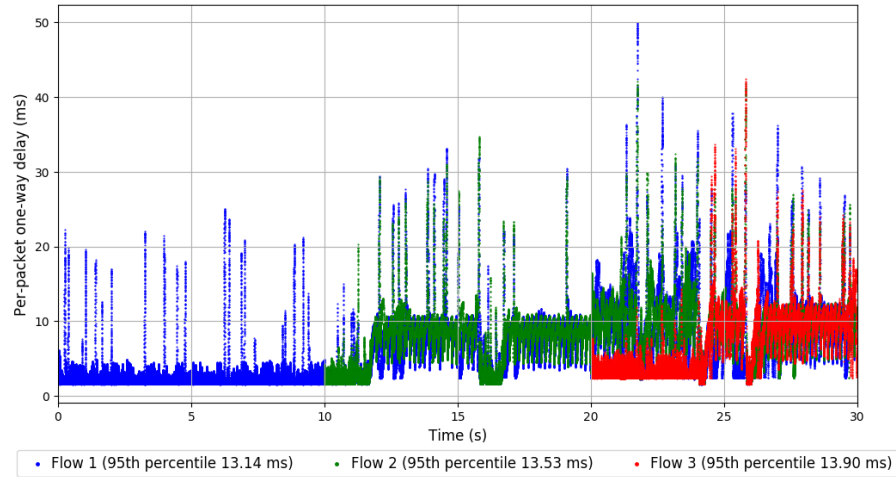
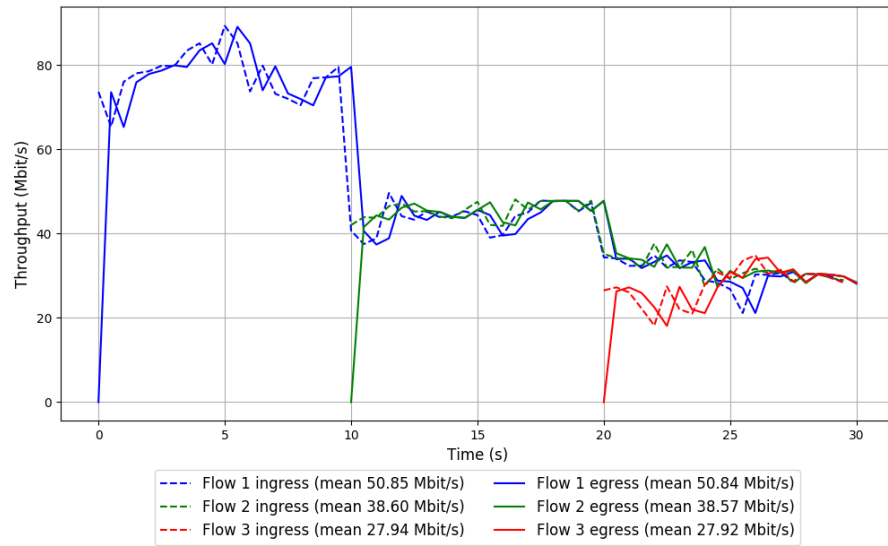


Run 1: Statistics of Copa

Start at: 2018-06-06 03:03:55
End at: 2018-06-06 03:04:25
Local clock offset: -6.129 ms
Remote clock offset: -1.479 ms

Below is generated by plot.py at 2018-06-06 05:55:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 13.398 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 13.140 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 13.530 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 13.897 ms
Loss rate: 0.10%

Run 1: Report of Copa — Data Link

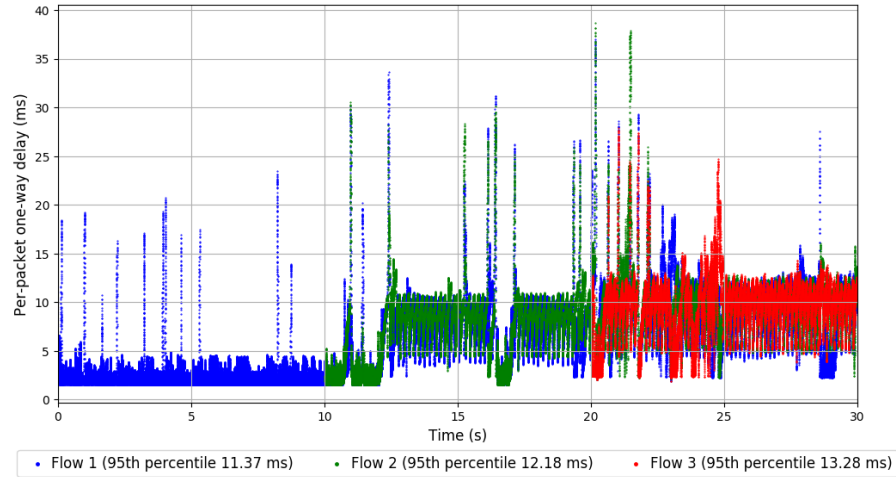
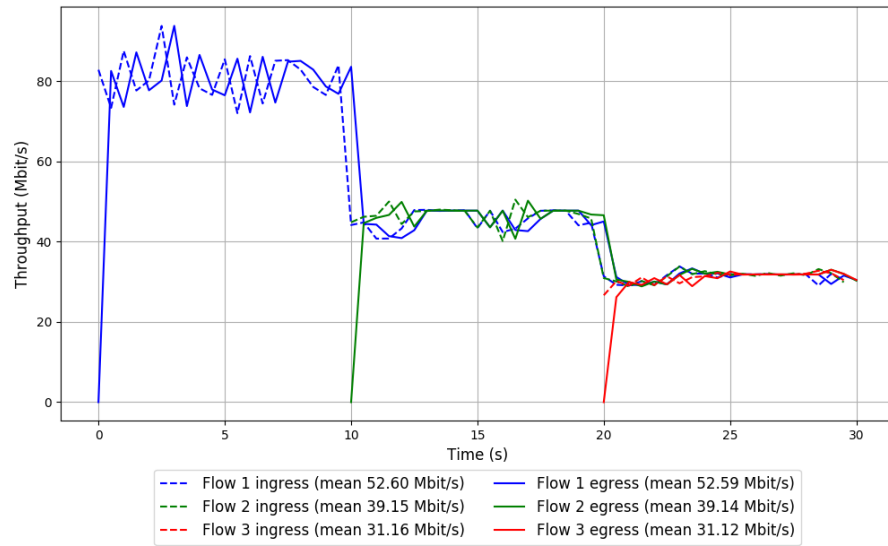


Run 2: Statistics of Copa

Start at: 2018-06-06 03:21:54
End at: 2018-06-06 03:22:24
Local clock offset: -5.851 ms
Remote clock offset: -1.738 ms

Below is generated by plot.py at 2018-06-06 05:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: 11.958 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 12.183 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 13.284 ms
Loss rate: 0.14%

Run 2: Report of Copa — Data Link

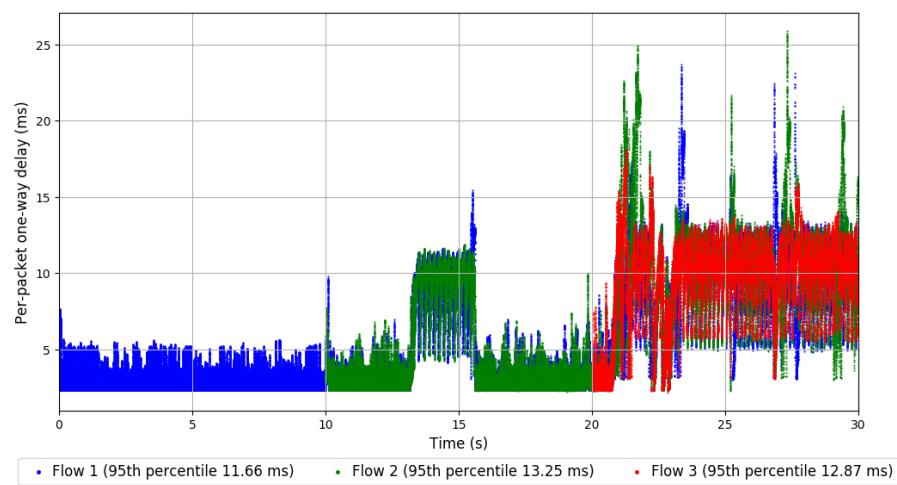
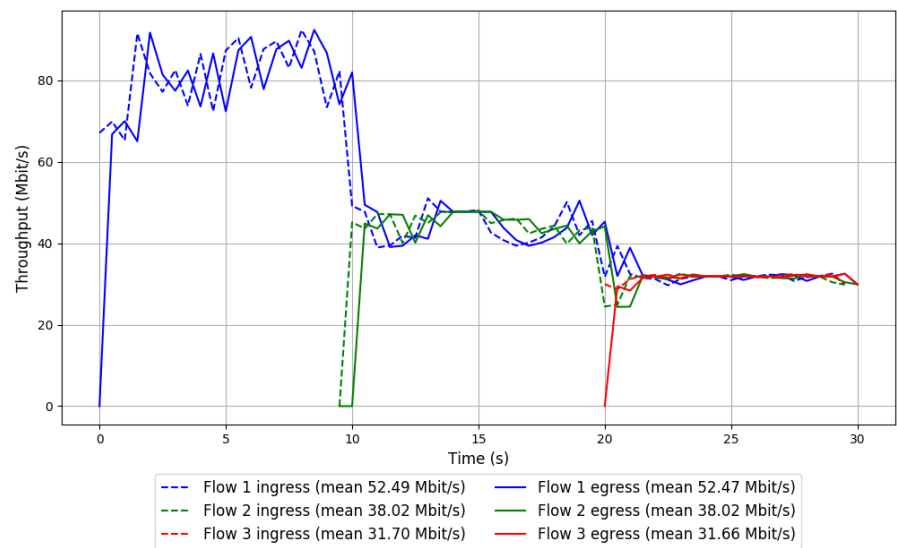


Run 3: Statistics of Copa

Start at: 2018-06-06 03:39:57
End at: 2018-06-06 03:40:27
Local clock offset: -4.942 ms
Remote clock offset: -2.278 ms

Below is generated by plot.py at 2018-06-06 05:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 12.375 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 11.660 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 13.246 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 12.873 ms
Loss rate: 0.14%

Run 3: Report of Copa — Data Link

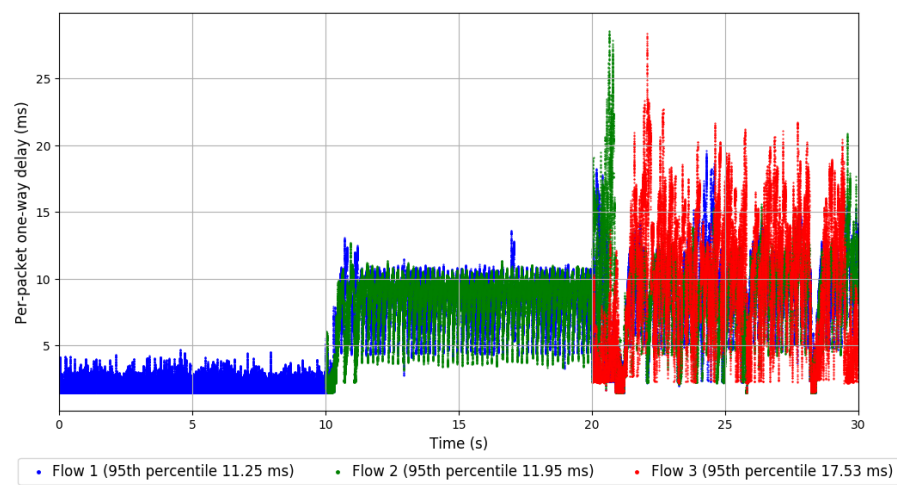
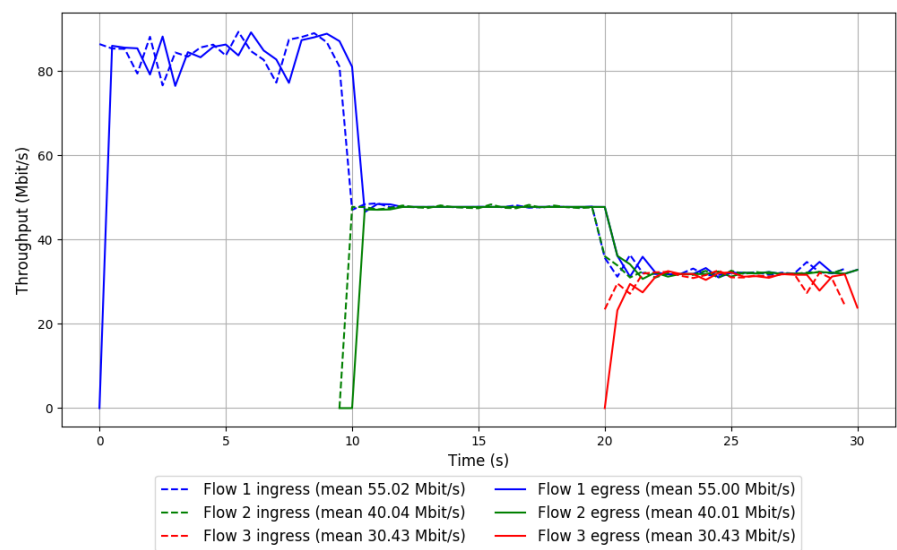


Run 4: Statistics of Copa

Start at: 2018-06-06 03:58:00
End at: 2018-06-06 03:58:30
Local clock offset: -5.633 ms
Remote clock offset: -2.284 ms

Below is generated by plot.py at 2018-06-06 05:55:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 13.102 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 11.247 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 17.532 ms
Loss rate: 0.12%

Run 4: Report of Copa — Data Link

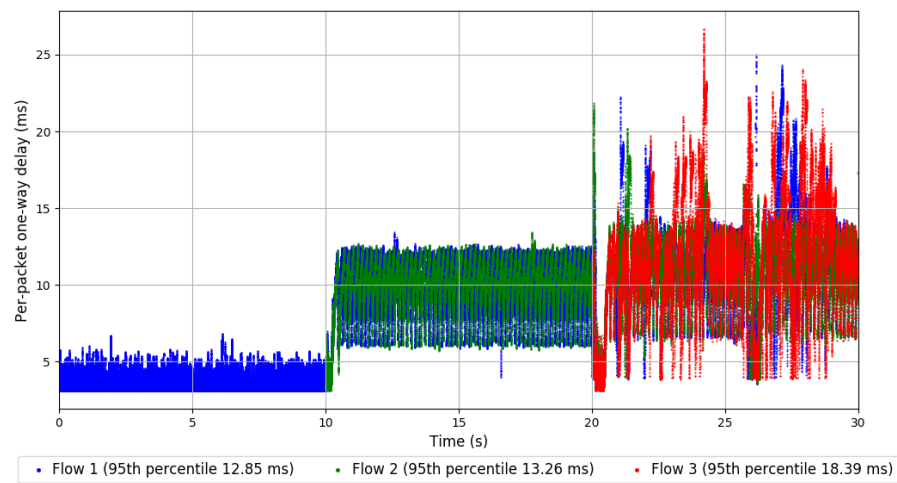
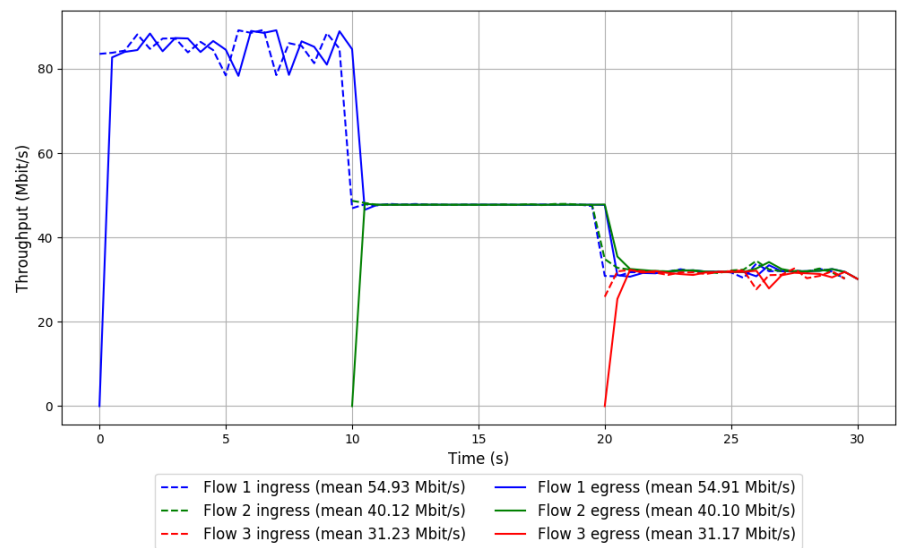


Run 5: Statistics of Copa

Start at: 2018-06-06 04:16:02
End at: 2018-06-06 04:16:32
Local clock offset: -4.158 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-06-06 05:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 13.800 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 12.849 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 13.258 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 18.391 ms
Loss rate: 0.15%

Run 5: Report of Copa — Data Link

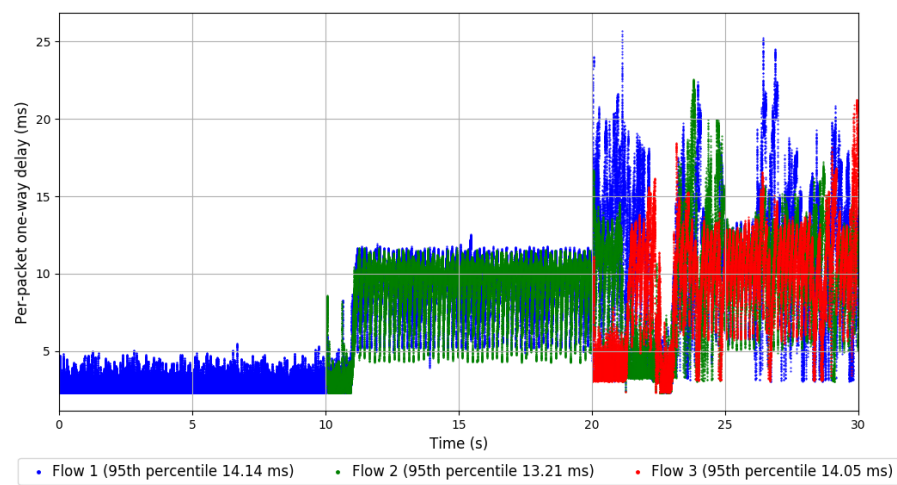
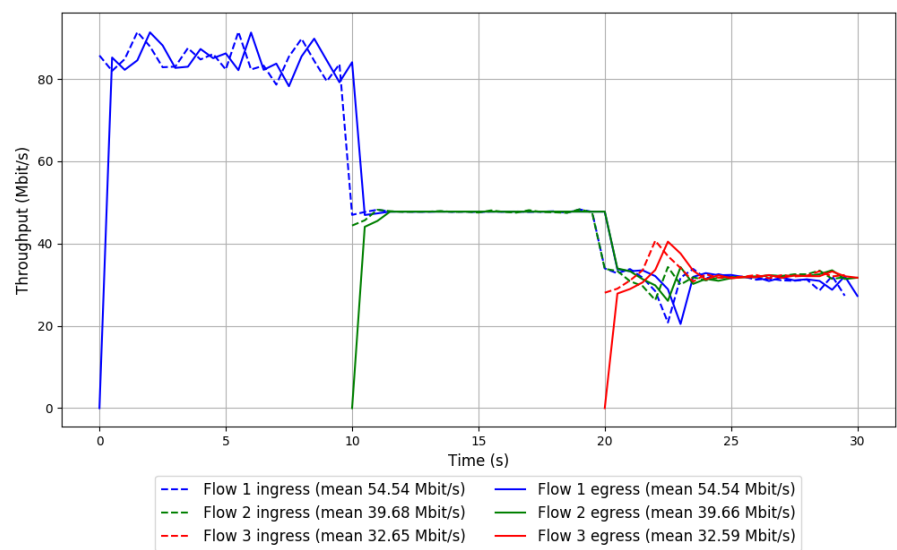


Run 6: Statistics of Copa

Start at: 2018-06-06 04:34:04
End at: 2018-06-06 04:34:34
Local clock offset: -4.97 ms
Remote clock offset: -2.389 ms

Below is generated by plot.py at 2018-06-06 05:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 13.780 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 14.144 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 13.210 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 14.049 ms
Loss rate: 0.24%

Run 6: Report of Copa — Data Link

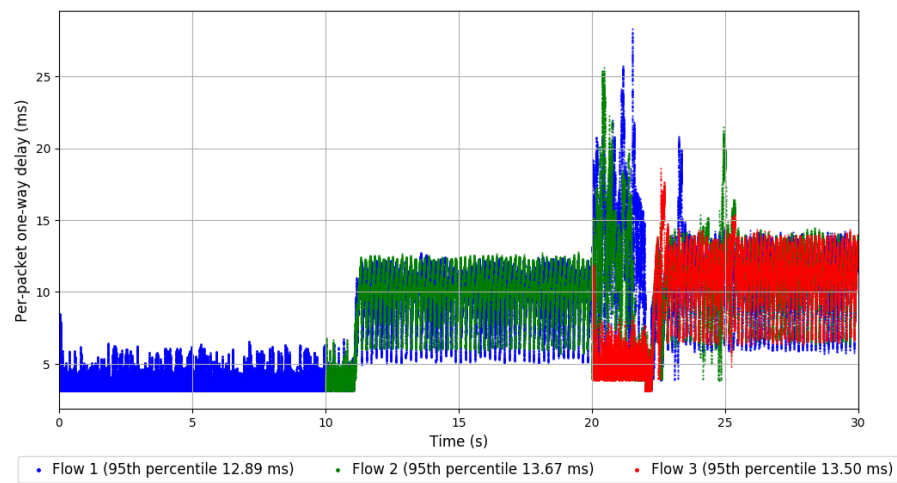
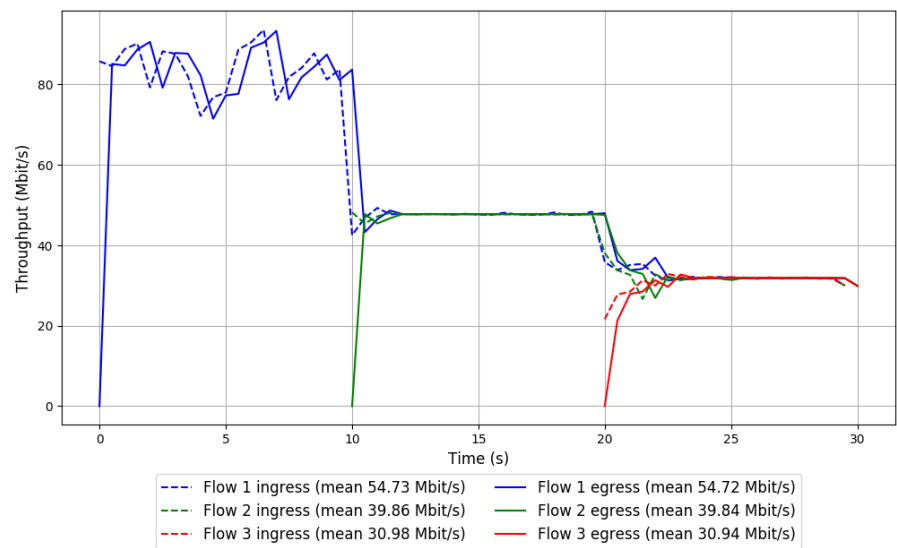


Run 7: Statistics of Copa

Start at: 2018-06-06 04:52:05
End at: 2018-06-06 04:52:35
Local clock offset: -4.422 ms
Remote clock offset: -2.548 ms

Below is generated by plot.py at 2018-06-06 05:56:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 13.290 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 12.889 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 13.667 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 13.500 ms
Loss rate: 0.17%

Run 7: Report of Copa — Data Link

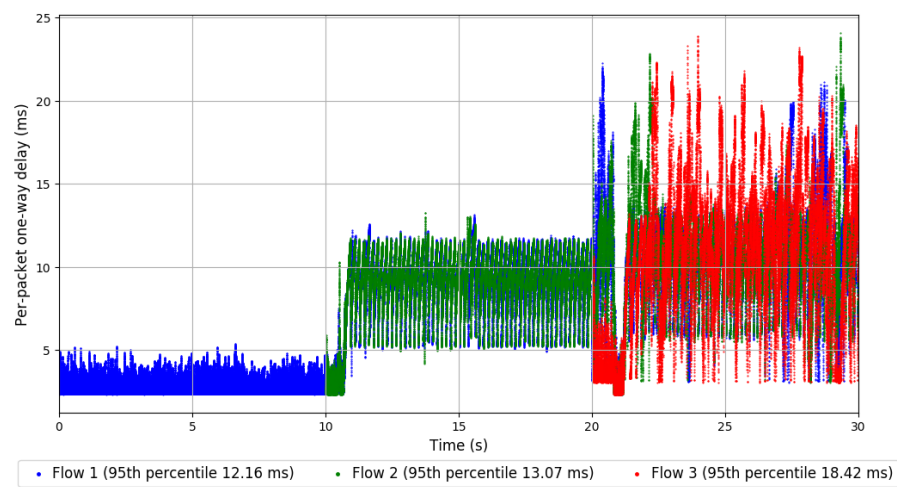
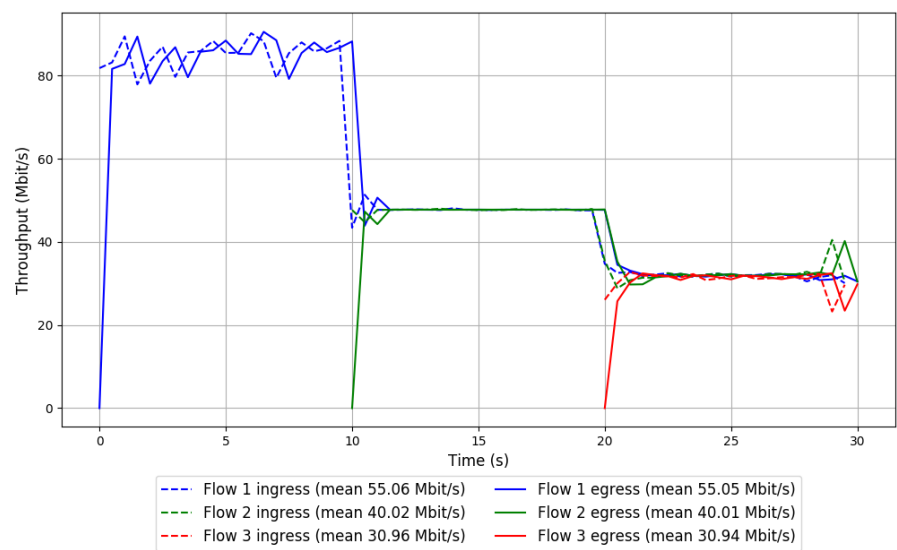


Run 8: Statistics of Copa

Start at: 2018-06-06 05:10:05
End at: 2018-06-06 05:10:35
Local clock offset: -5.144 ms
Remote clock offset: -2.552 ms

Below is generated by plot.py at 2018-06-06 05:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 13.713 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 12.158 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 13.068 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 18.421 ms
Loss rate: 0.12%

Run 8: Report of Copa — Data Link

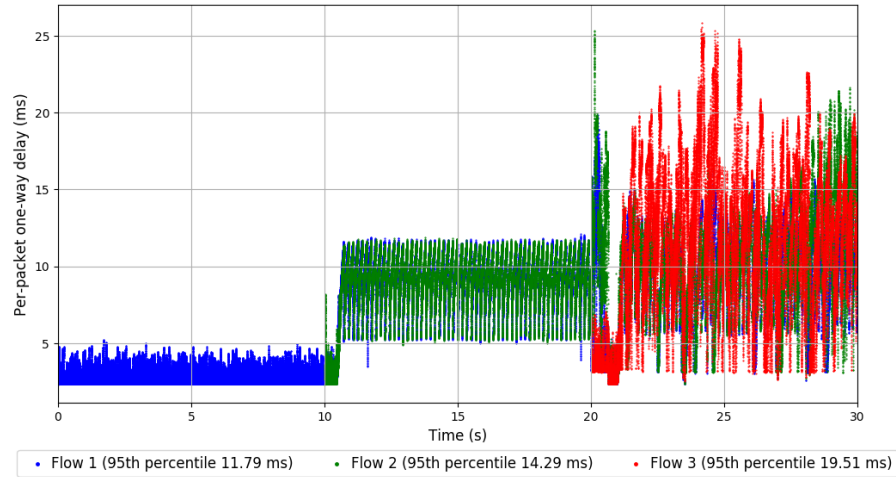
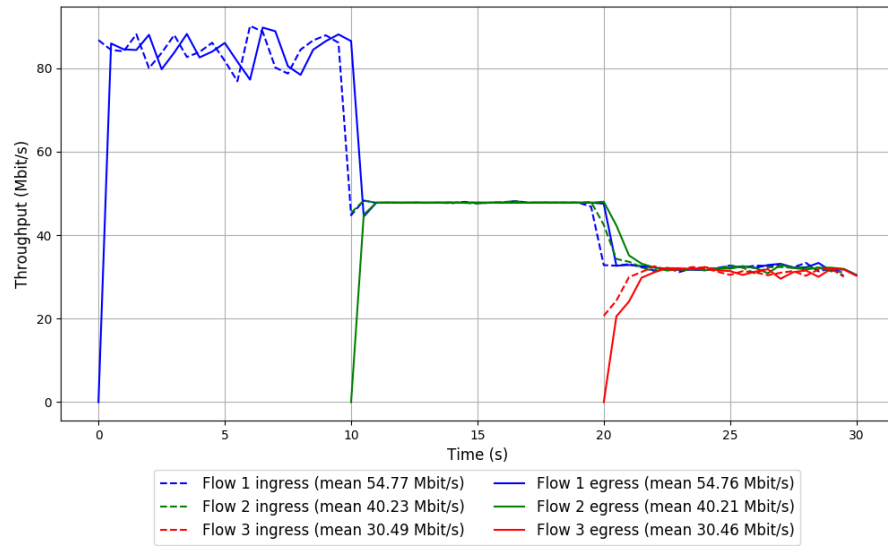


Run 9: Statistics of Copa

Start at: 2018-06-06 05:28:07
End at: 2018-06-06 05:28:37
Local clock offset: -5.063 ms
Remote clock offset: -2.581 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 14.298 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 11.790 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 14.294 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.13%

Run 9: Report of Copa — Data Link

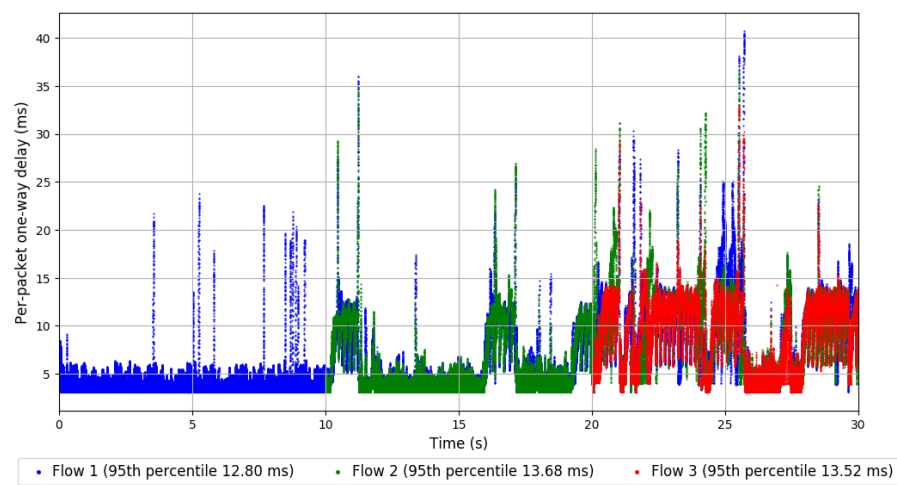
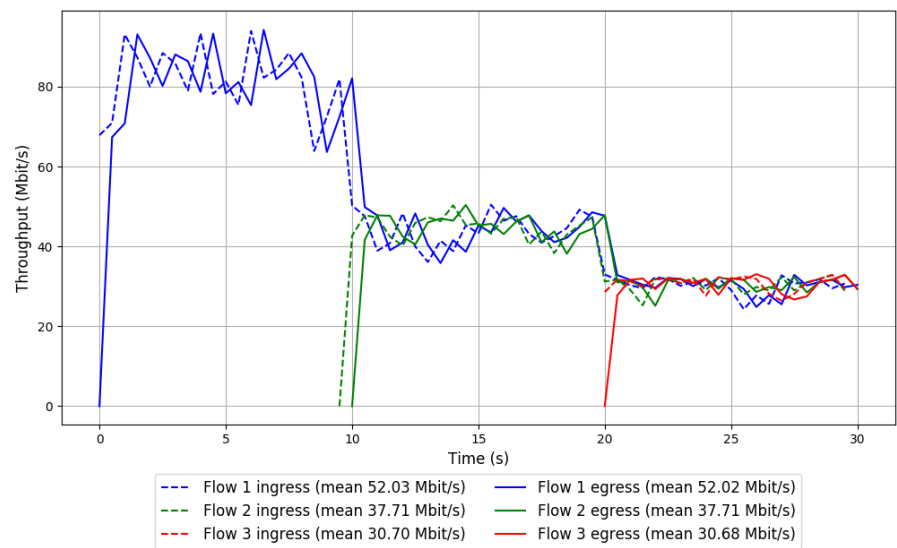


Run 10: Statistics of Copa

Start at: 2018-06-06 05:46:10
End at: 2018-06-06 05:46:40
Local clock offset: -4.381 ms
Remote clock offset: -2.769 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 13.236 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 12.805 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 13.677 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 13.521 ms
Loss rate: 0.12%

Run 10: Report of Copa — Data Link

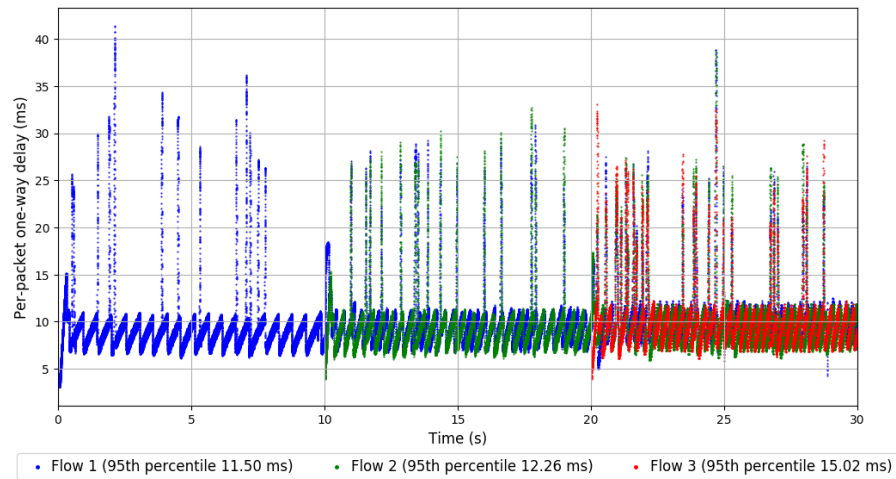
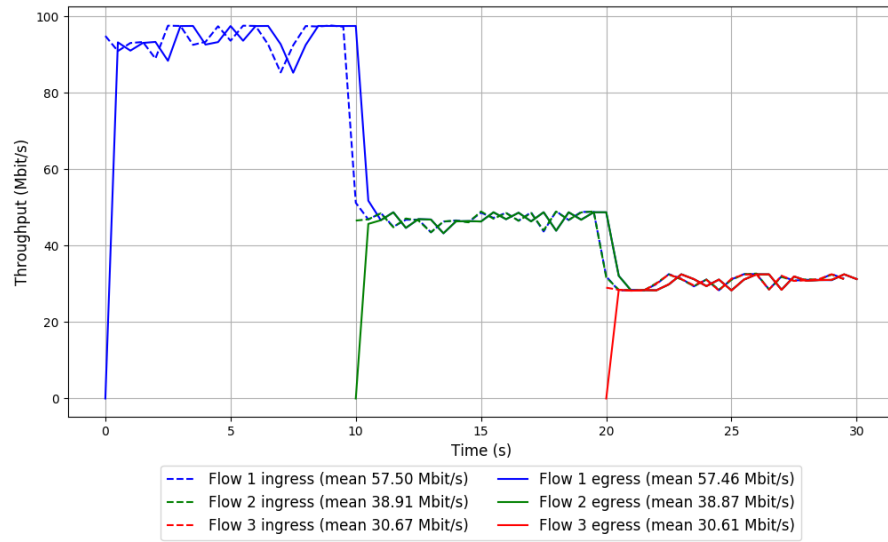


Run 1: Statistics of TCP Cubic

Start at: 2018-06-06 02:51:40
End at: 2018-06-06 02:52:10
Local clock offset: -4.606 ms
Remote clock offset: -1.939 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 11.796 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 11.497 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 12.260 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 15.021 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

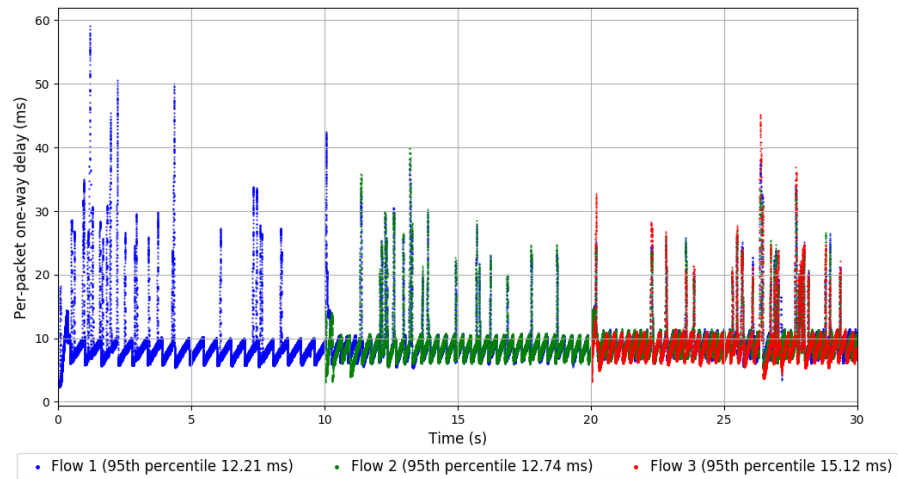
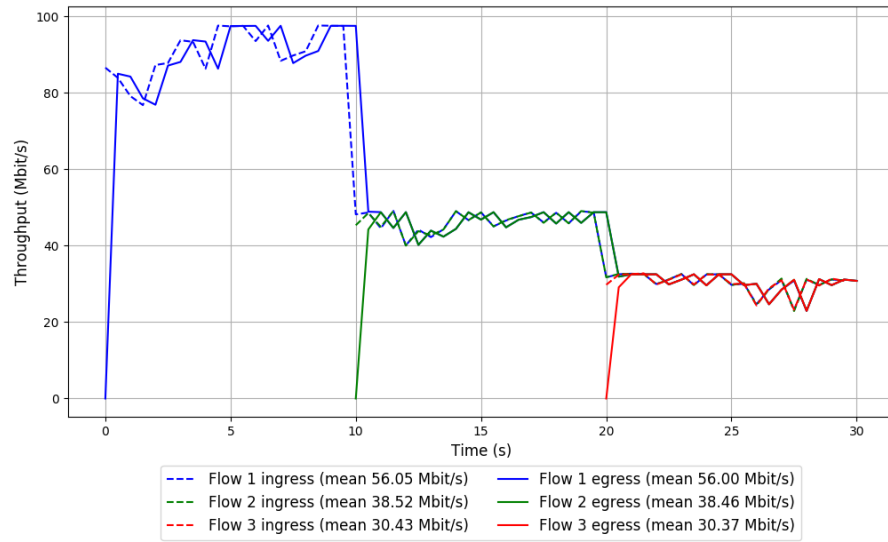


Run 2: Statistics of TCP Cubic

Start at: 2018-06-06 03:09:38
End at: 2018-06-06 03:10:08
Local clock offset: -5.226 ms
Remote clock offset: -1.293 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 12.697 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 12.212 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 12.742 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 15.121 ms
Loss rate: 0.24%

Run 2: Report of TCP Cubic — Data Link

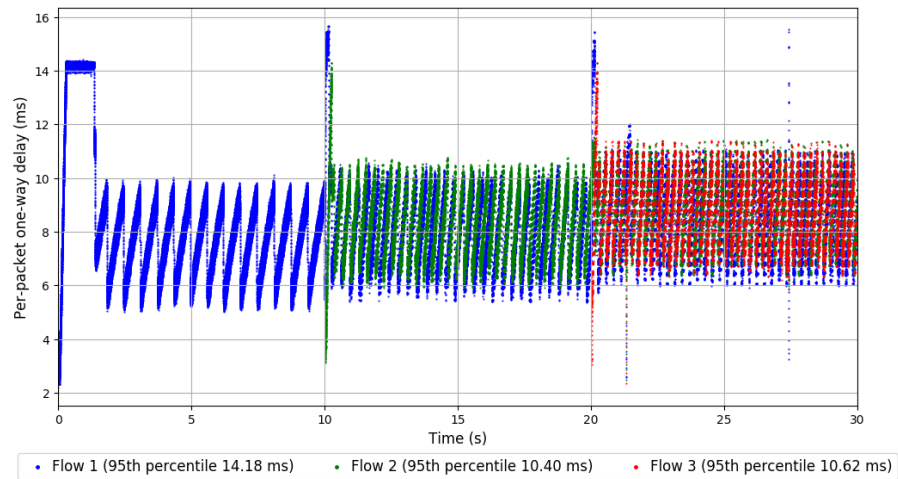
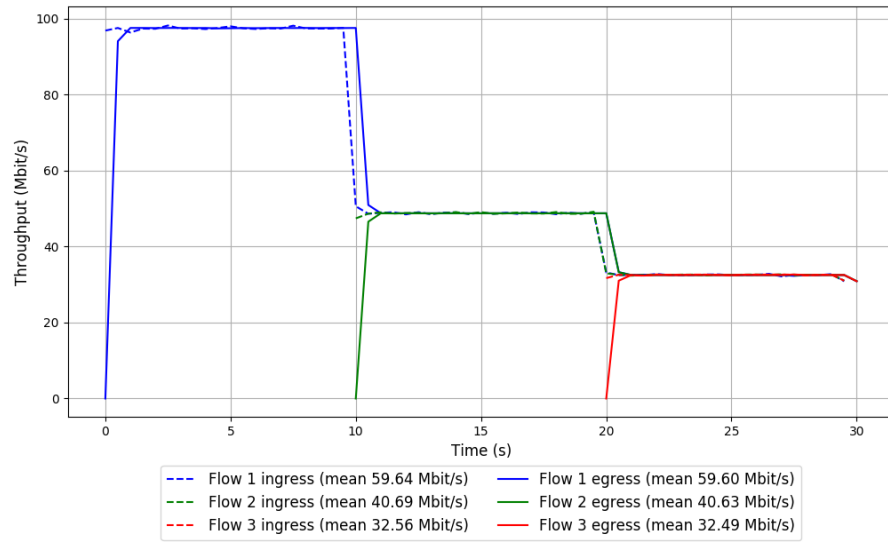


Run 3: Statistics of TCP Cubic

Start at: 2018-06-06 03:27:39
End at: 2018-06-06 03:28:09
Local clock offset: -5.07 ms
Remote clock offset: -2.073 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 10.893 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 14.181 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 10.399 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.617 ms
Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link

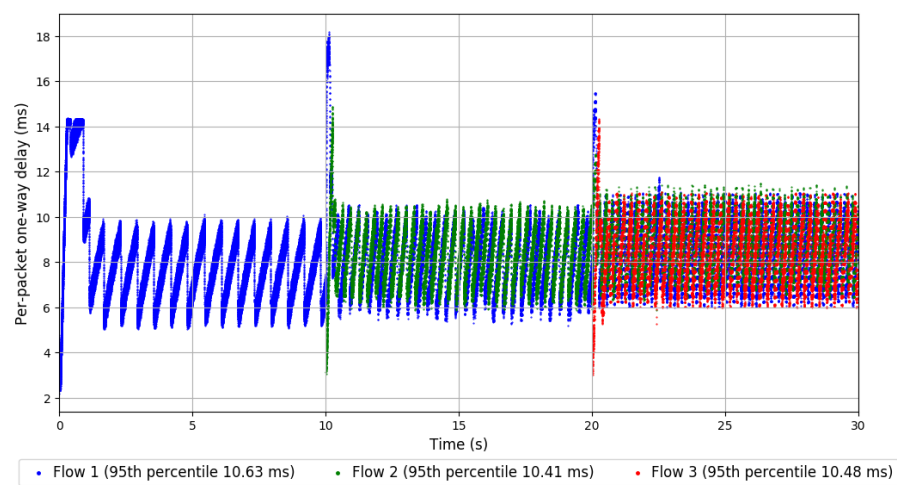
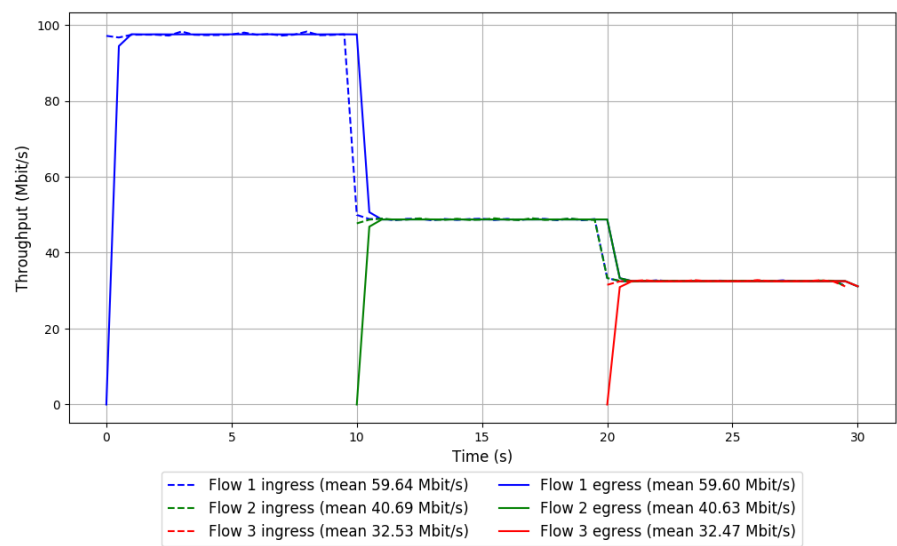


Run 4: Statistics of TCP Cubic

Start at: 2018-06-06 03:45:42
End at: 2018-06-06 03:46:12
Local clock offset: -4.885 ms
Remote clock offset: -2.258 ms

Below is generated by plot.py at 2018-06-06 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 10.493 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 10.629 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 10.409 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 10.481 ms
Loss rate: 0.21%

Run 4: Report of TCP Cubic — Data Link

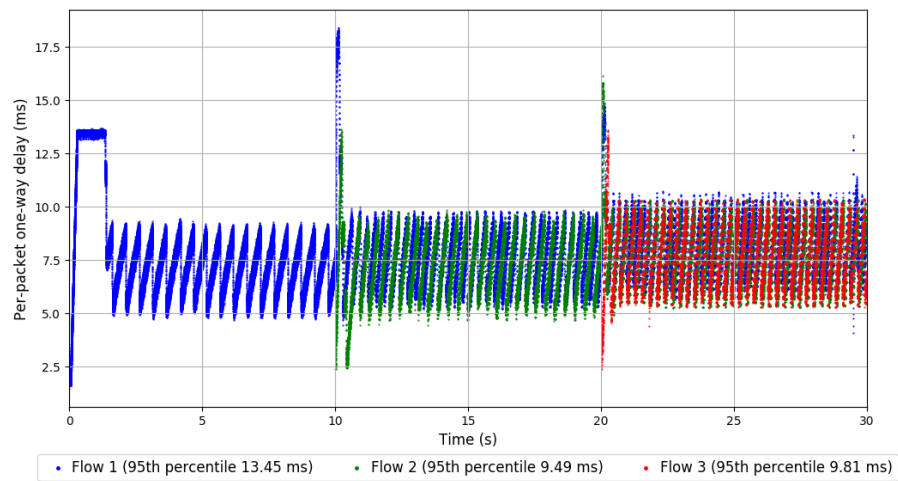
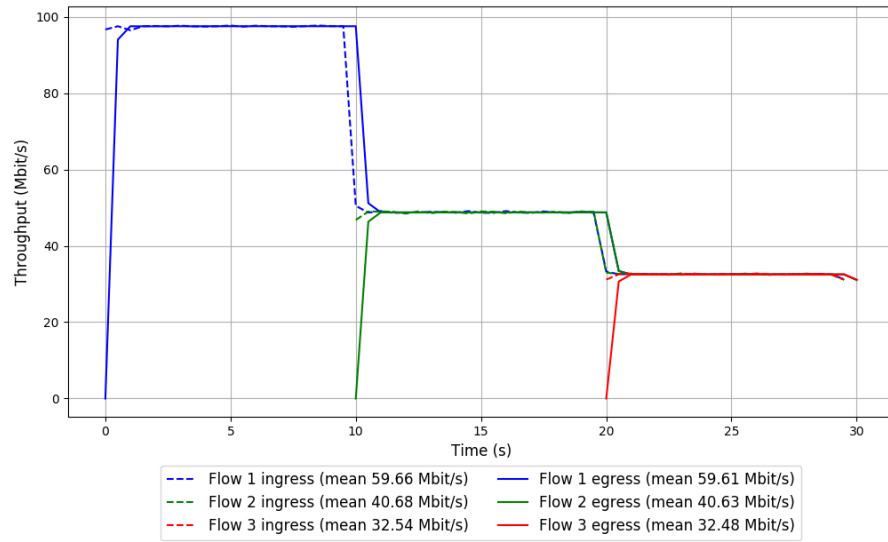


Run 5: Statistics of TCP Cubic

Start at: 2018-06-06 04:03:45
End at: 2018-06-06 04:04:15
Local clock offset: -5.538 ms
Remote clock offset: -2.271 ms

Below is generated by plot.py at 2018-06-06 05:57:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 10.225 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 13.445 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 9.487 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 9.813 ms
Loss rate: 0.21%

Run 5: Report of TCP Cubic — Data Link

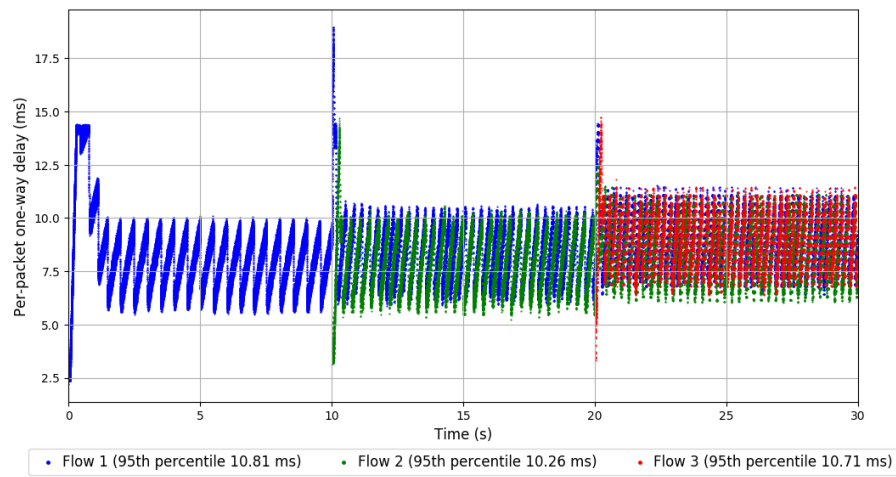
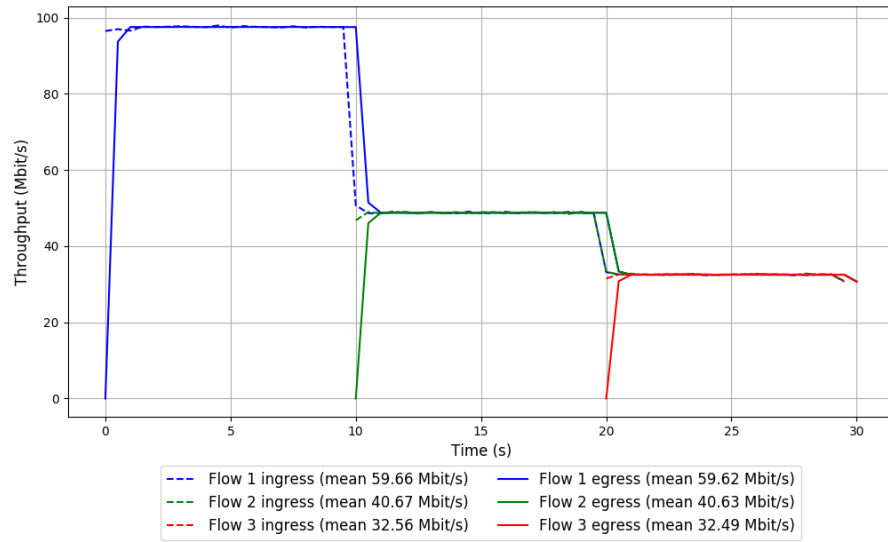


Run 6: Statistics of TCP Cubic

Start at: 2018-06-06 04:21:48
End at: 2018-06-06 04:22:18
Local clock offset: -4.944 ms
Remote clock offset: -2.228 ms

Below is generated by plot.py at 2018-06-06 05:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 10.637 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 10.811 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 10.260 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.712 ms
Loss rate: 0.25%

Run 6: Report of TCP Cubic — Data Link

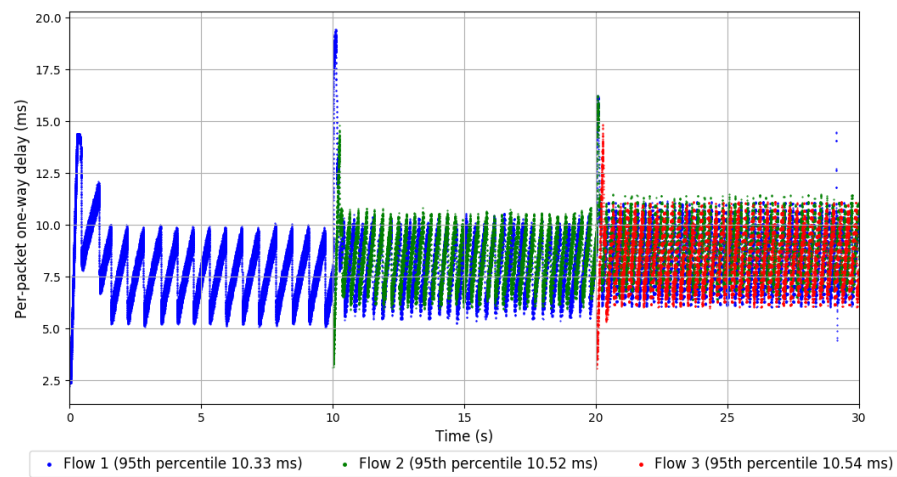
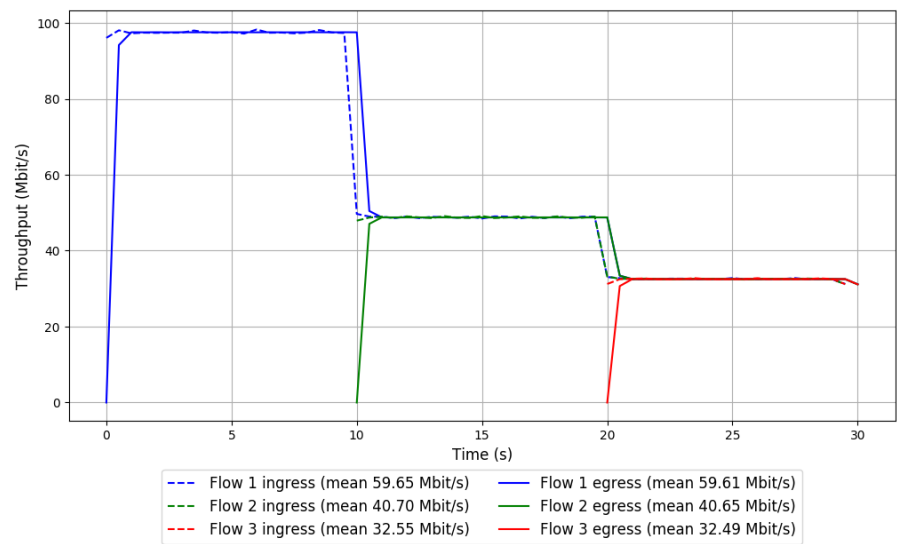


Run 7: Statistics of TCP Cubic

Start at: 2018-06-06 04:39:49
End at: 2018-06-06 04:40:19
Local clock offset: -5.068 ms
Remote clock offset: -2.449 ms

Below is generated by plot.py at 2018-06-06 05:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.437 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 10.521 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.538 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

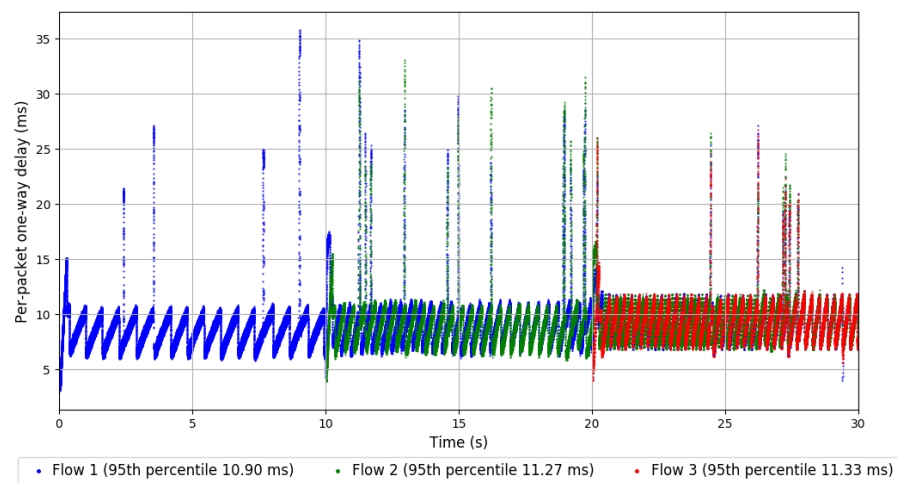
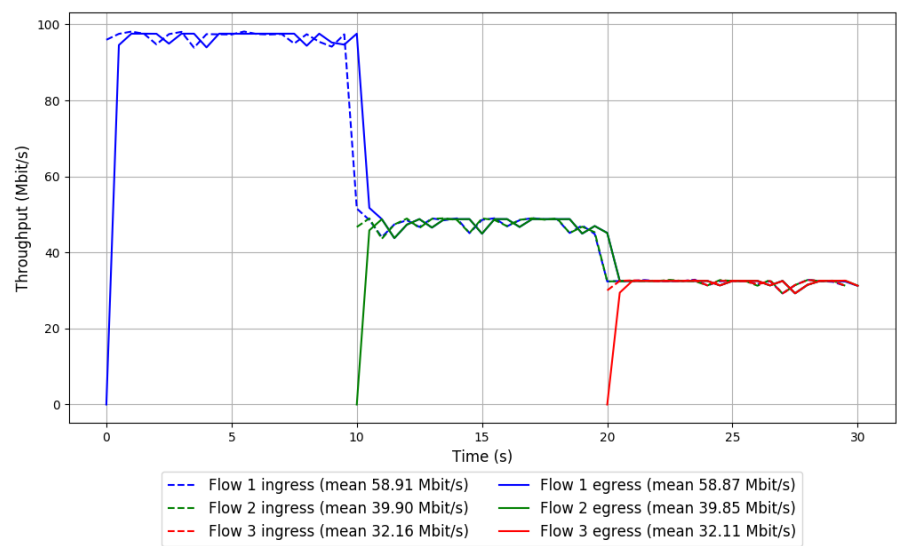


Run 8: Statistics of TCP Cubic

Start at: 2018-06-06 04:57:50
End at: 2018-06-06 04:58:20
Local clock offset: -4.448 ms
Remote clock offset: -2.494 ms

Below is generated by plot.py at 2018-06-06 05:58:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 11.067 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 10.904 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 11.272 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 11.330 ms
Loss rate: 0.21%

Run 8: Report of TCP Cubic — Data Link

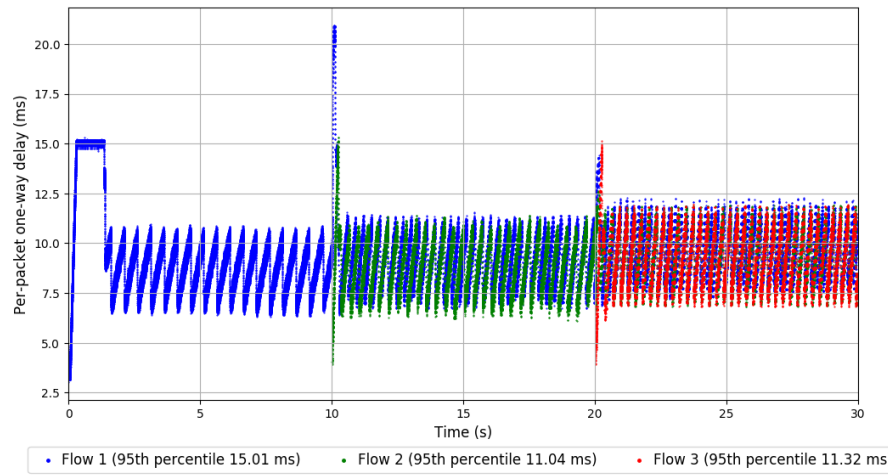
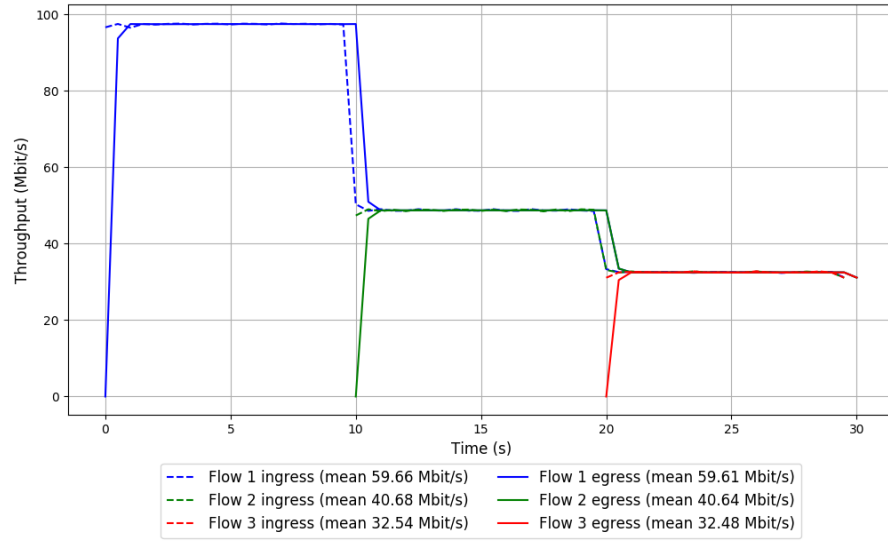


Run 9: Statistics of TCP Cubic

Start at: 2018-06-06 05:15:51
End at: 2018-06-06 05:16:21
Local clock offset: -4.335 ms
Remote clock offset: -2.604 ms

Below is generated by plot.py at 2018-06-06 05:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 11.702 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 15.009 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 11.044 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 11.319 ms
Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link

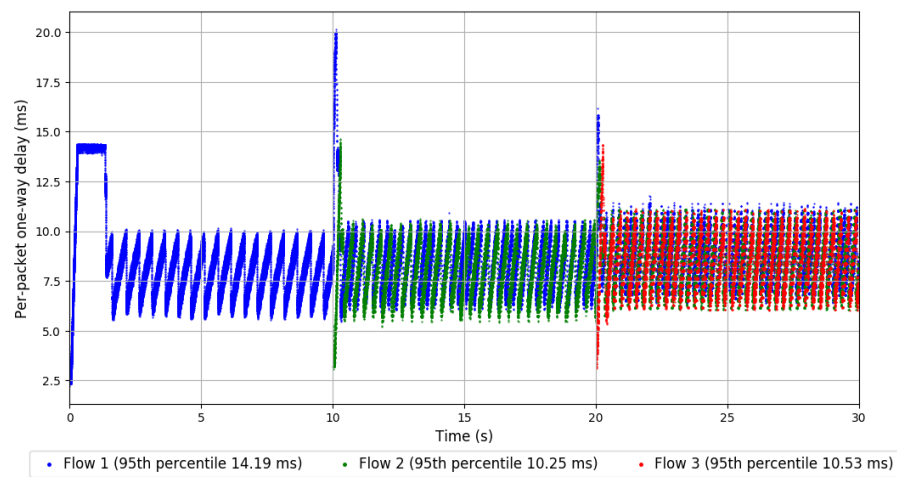
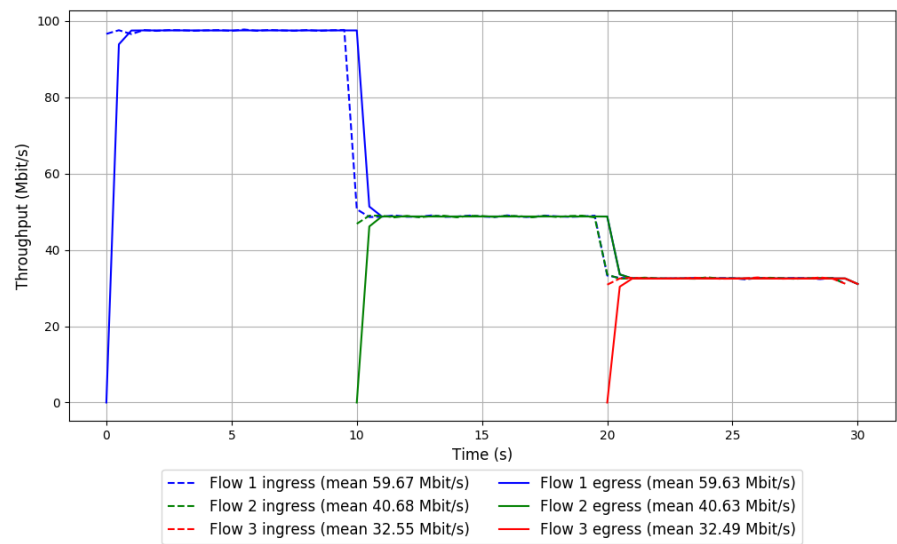


Run 10: Statistics of TCP Cubic

Start at: 2018-06-06 05:33:53
End at: 2018-06-06 05:34:23
Local clock offset: -5.059 ms
Remote clock offset: -2.616 ms

Below is generated by plot.py at 2018-06-06 05:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.935 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 14.193 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 10.247 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.525 ms
Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link

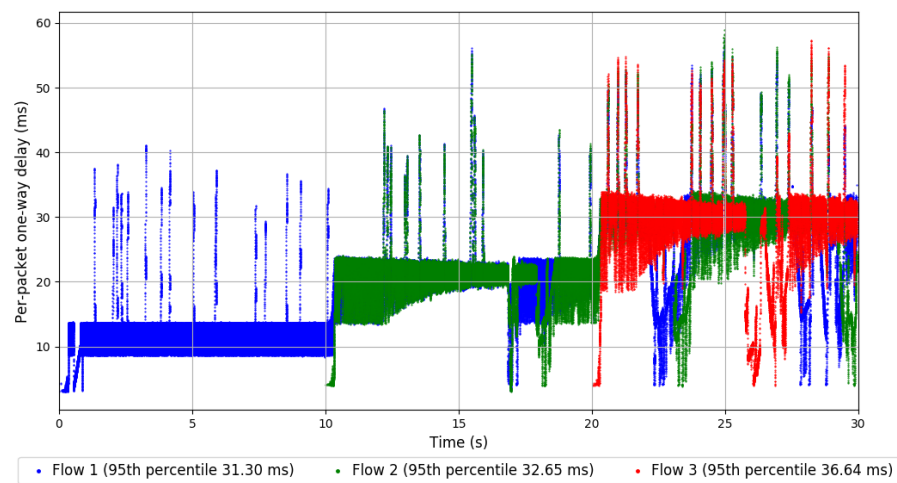
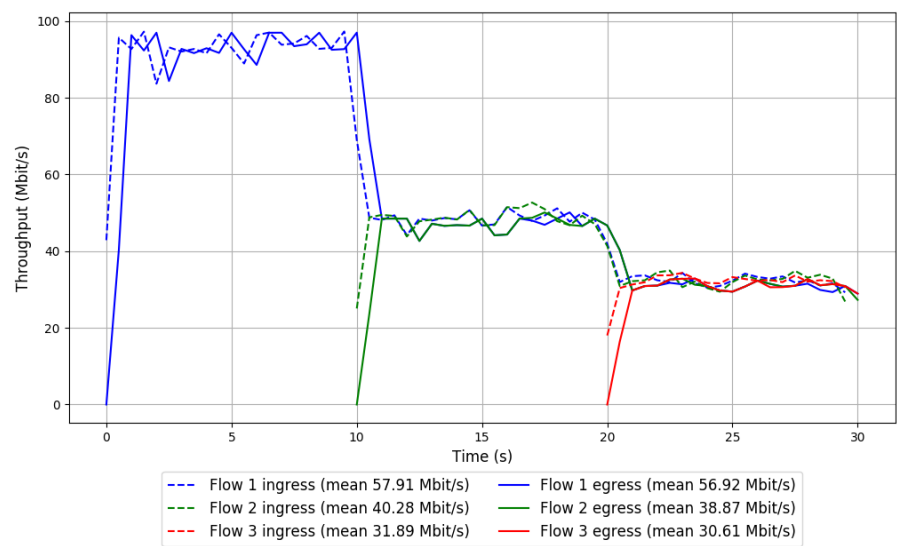


Run 1: Statistics of FillP

Start at: 2018-06-06 02:55:01
End at: 2018-06-06 02:55:31
Local clock offset: -4.586 ms
Remote clock offset: -1.857 ms

Below is generated by plot.py at 2018-06-06 05:58:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 36.641 ms
Loss rate: 4.16%

Run 1: Report of FillP — Data Link

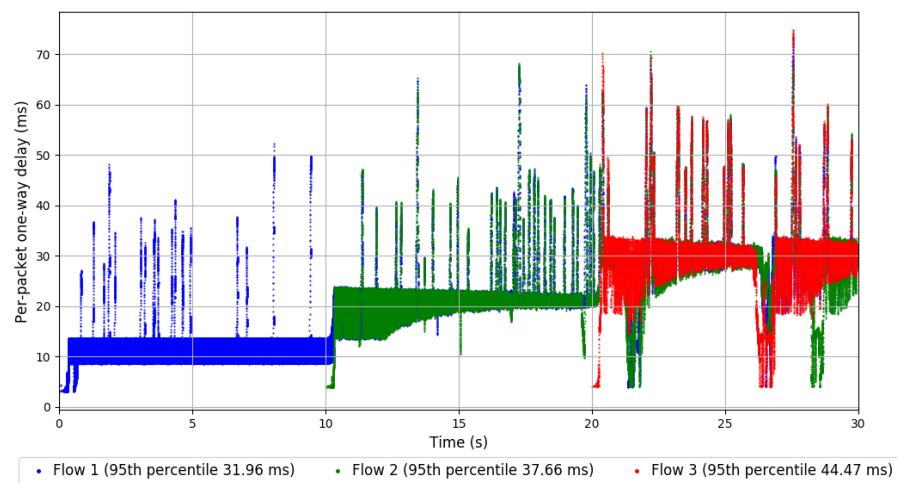
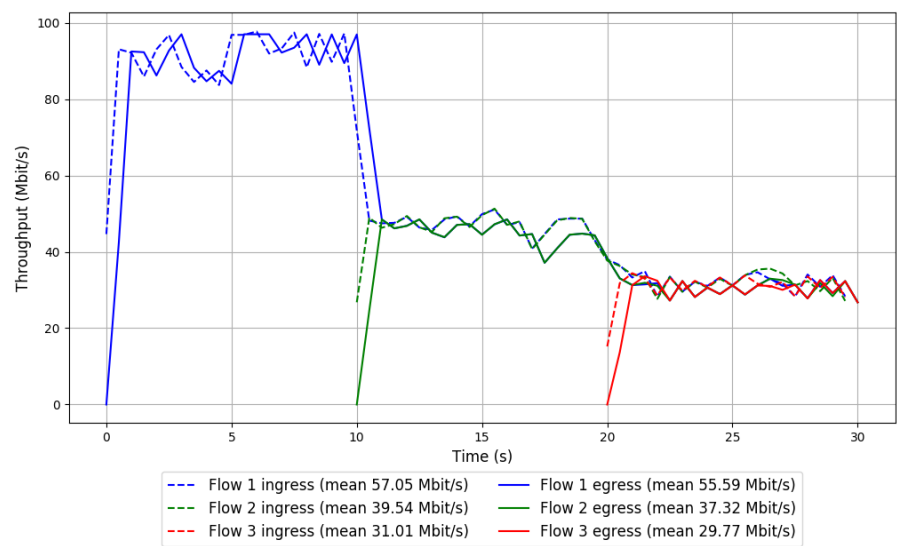


Run 2: Statistics of FillP

Start at: 2018-06-06 03:13:00
End at: 2018-06-06 03:13:30
Local clock offset: -4.409 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-06-06 05:58:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 33.606 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 31.962 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 37.659 ms
Loss rate: 5.67%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 44.467 ms
Loss rate: 4.13%

Run 2: Report of FillP — Data Link

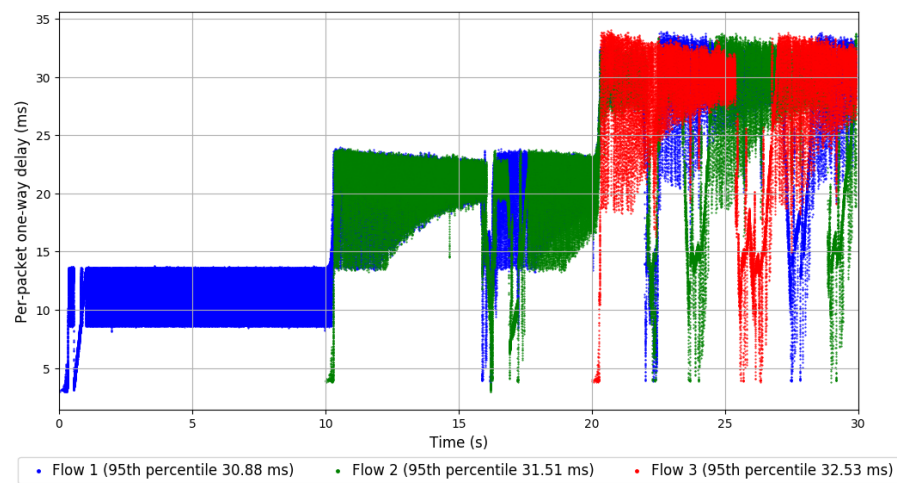
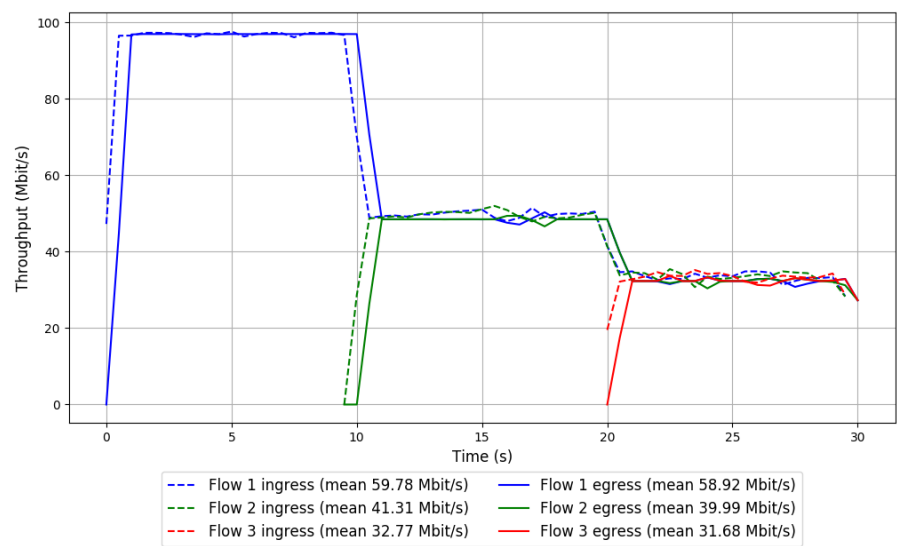


Run 3: Statistics of FillP

Start at: 2018-06-06 03:31:01
End at: 2018-06-06 03:31:31
Local clock offset: -4.275 ms
Remote clock offset: -2.187 ms

Below is generated by plot.py at 2018-06-06 05:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 31.558 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 30.876 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 31.509 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 32.532 ms
Loss rate: 3.49%

Run 3: Report of FillP — Data Link

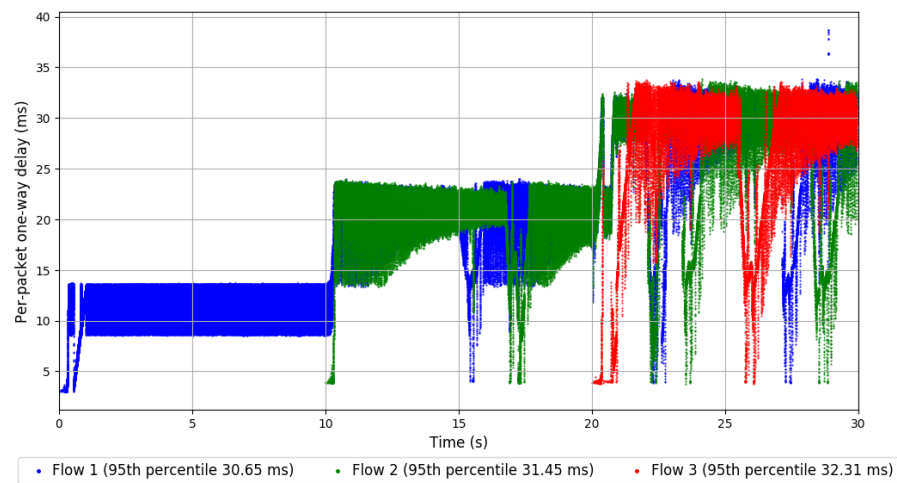
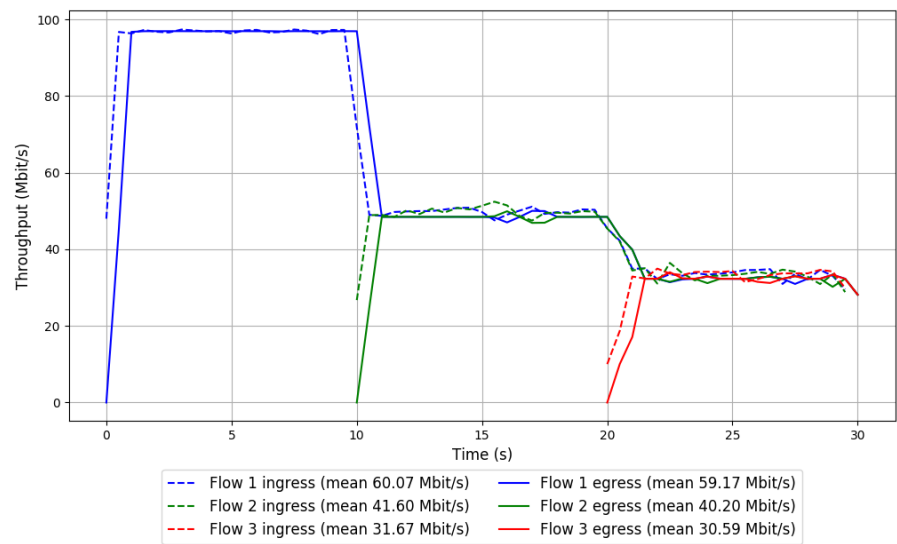


Run 4: Statistics of FillP

Start at: 2018-06-06 03:49:04
End at: 2018-06-06 03:49:34
Local clock offset: -4.079 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2018-06-06 05:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 31.420 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 31.454 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 32.312 ms
Loss rate: 3.58%

Run 4: Report of FillP — Data Link

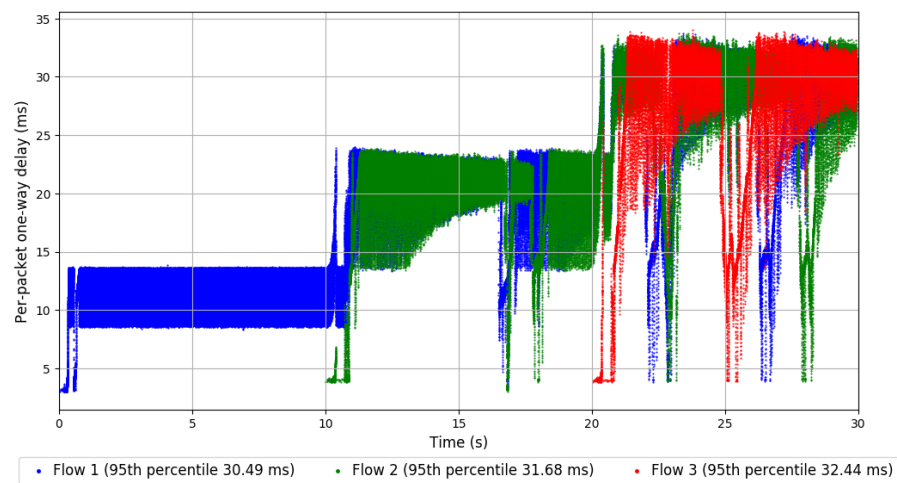
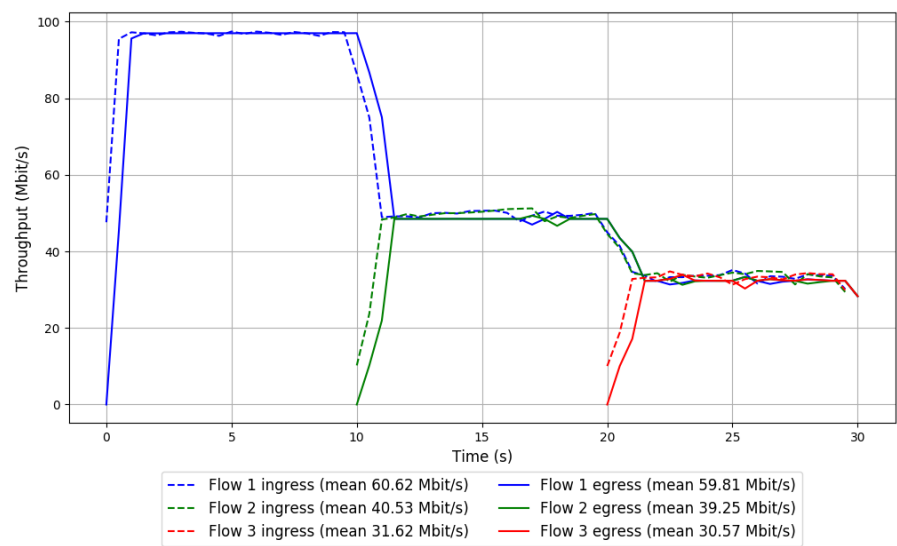


Run 5: Statistics of FillP

Start at: 2018-06-06 04:07:07
End at: 2018-06-06 04:07:37
Local clock offset: -4.068 ms
Remote clock offset: -2.259 ms

Below is generated by plot.py at 2018-06-06 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 30.492 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 31.677 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 32.442 ms
Loss rate: 3.34%

Run 5: Report of FillP — Data Link

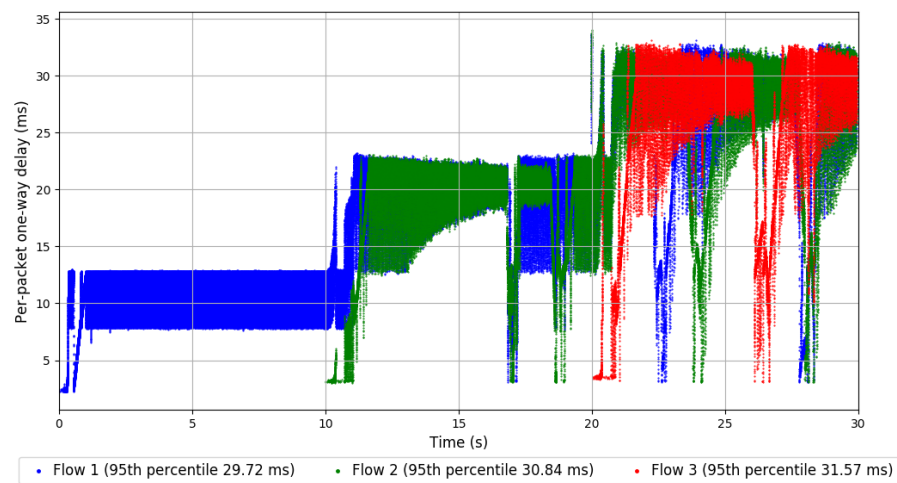
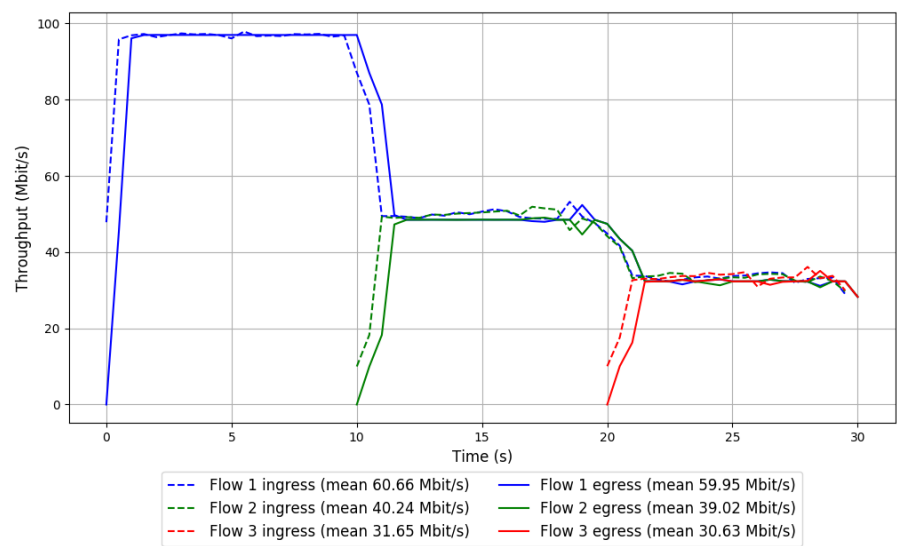


Run 6: Statistics of FillP

Start at: 2018-06-06 04:25:10
End at: 2018-06-06 04:25:40
Local clock offset: -4.96 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2018-06-06 05:59:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 30.669 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 29.720 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 30.843 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 31.568 ms
Loss rate: 3.40%

Run 6: Report of FillP — Data Link

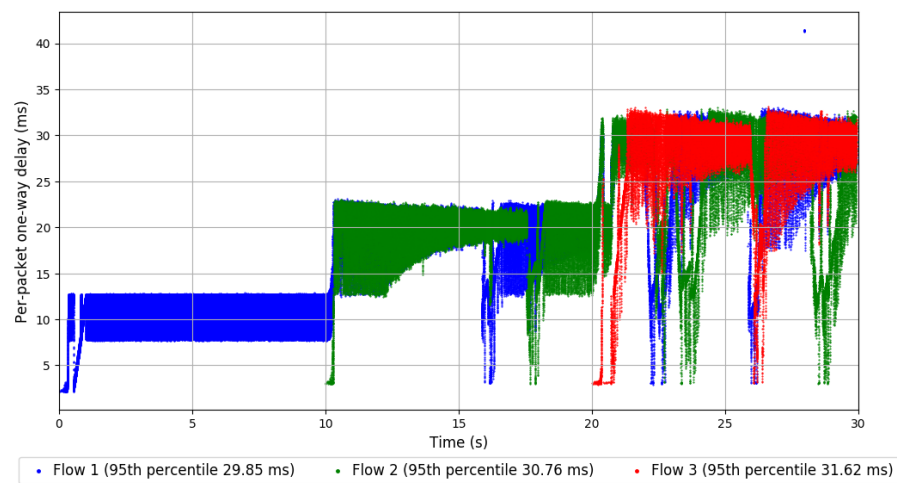
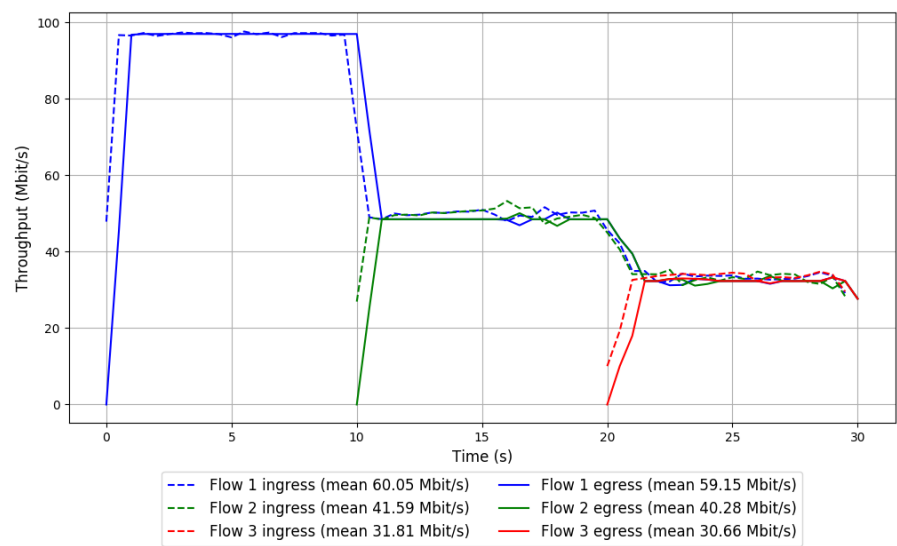


Run 7: Statistics of FillP

Start at: 2018-06-06 04:43:10
End at: 2018-06-06 04:43:41
Local clock offset: -5.196 ms
Remote clock offset: -2.464 ms

Below is generated by plot.py at 2018-06-06 05:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 30.761 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 31.618 ms
Loss rate: 3.80%

Run 7: Report of FillP — Data Link

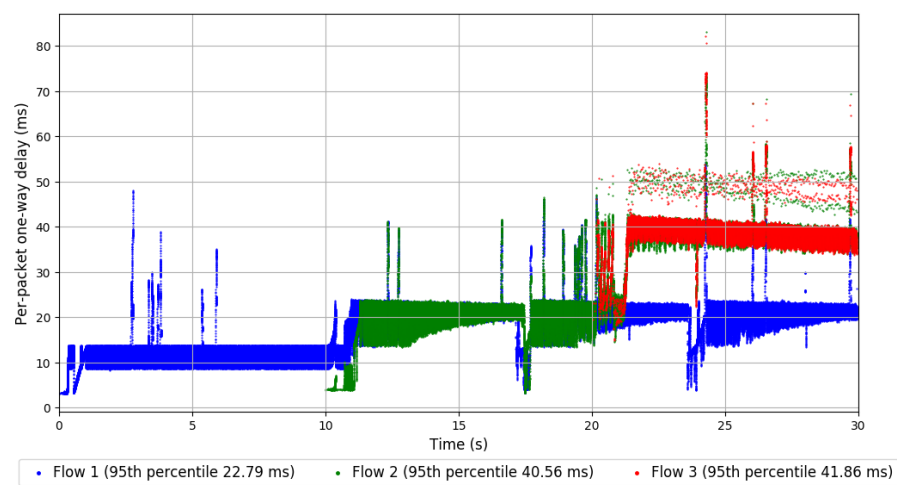
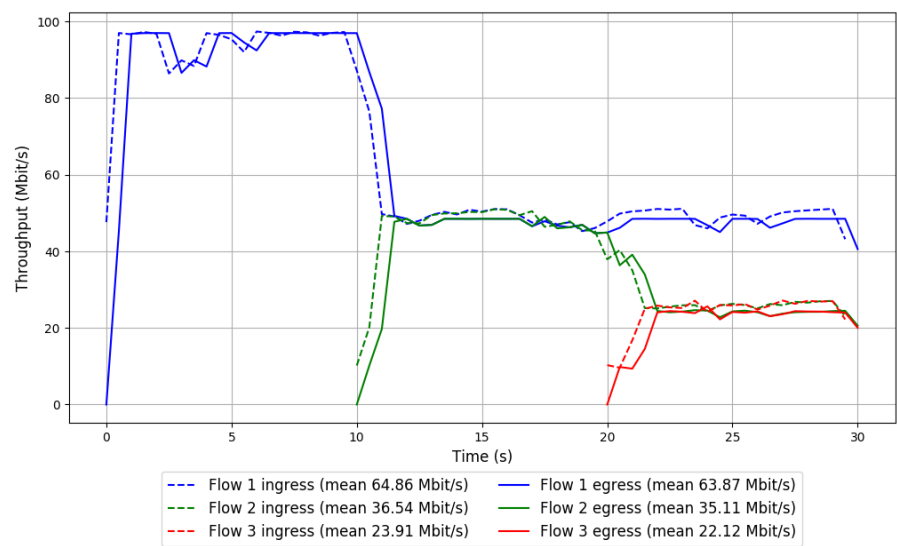


Run 8: Statistics of FillP

Start at: 2018-06-06 05:01:11
End at: 2018-06-06 05:01:41
Local clock offset: -4.461 ms
Remote clock offset: -2.594 ms

Below is generated by plot.py at 2018-06-06 05:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 39.810 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 22.791 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 40.562 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 41.864 ms
Loss rate: 7.65%

Run 8: Report of FillP — Data Link

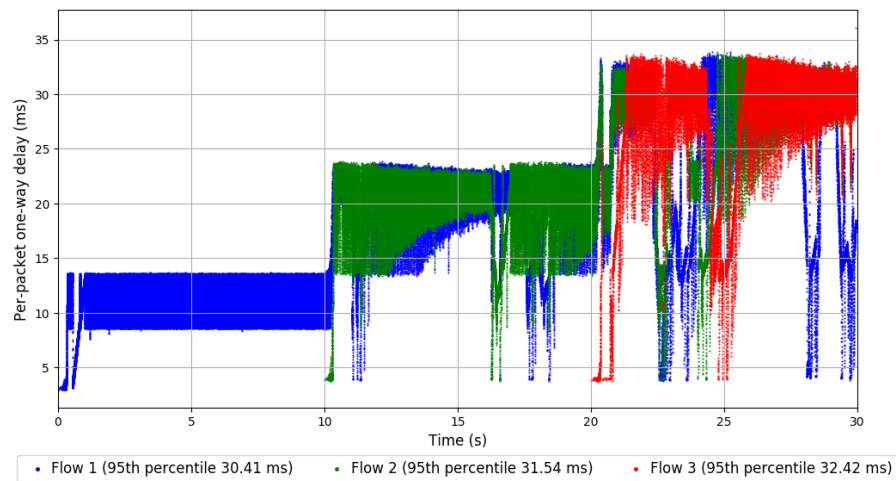
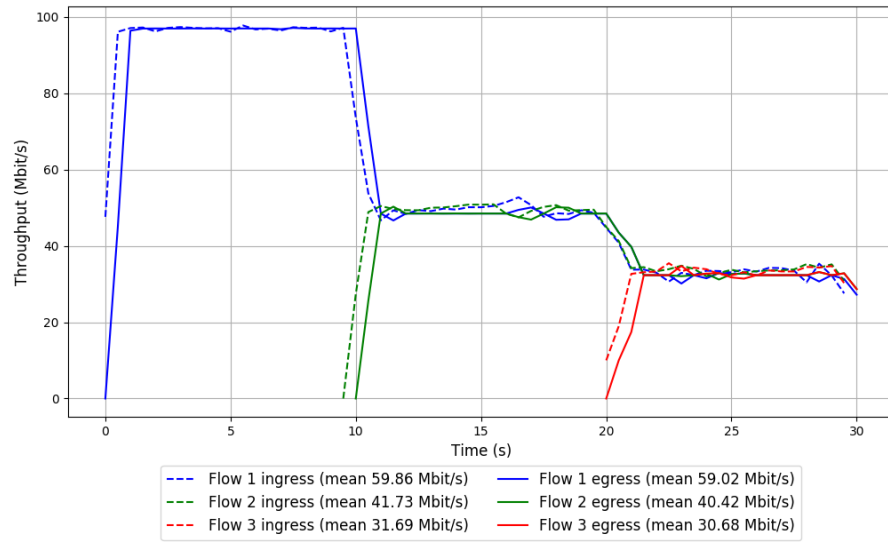


Run 9: Statistics of FillP

Start at: 2018-06-06 05:19:12
End at: 2018-06-06 05:19:42
Local clock offset: -4.317 ms
Remote clock offset: -2.559 ms

Below is generated by plot.py at 2018-06-06 06:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 31.469 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 30.406 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 32.425 ms
Loss rate: 3.24%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-06 05:37:14

End at: 2018-06-06 05:37:45

Local clock offset: -5.101 ms

Remote clock offset: -2.68 ms

Below is generated by plot.py at 2018-06-06 06:00:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 30.574 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 29.703 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 30.580 ms

Loss rate: 3.16%

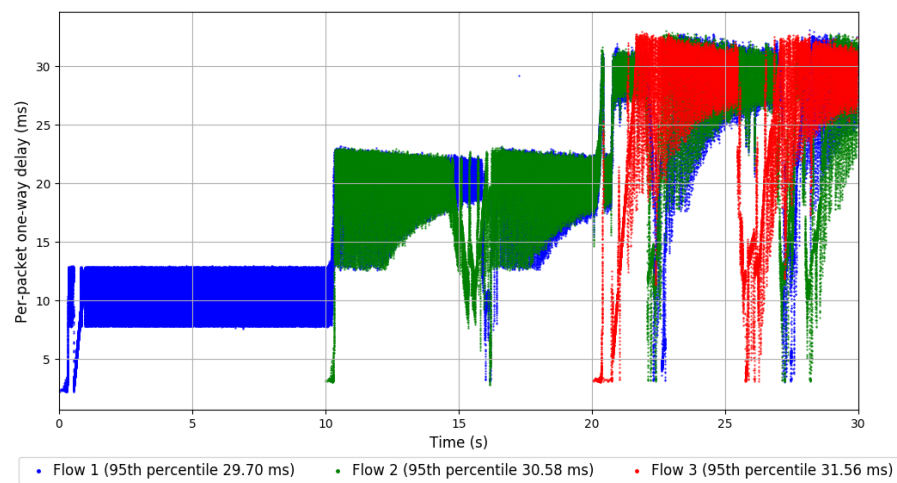
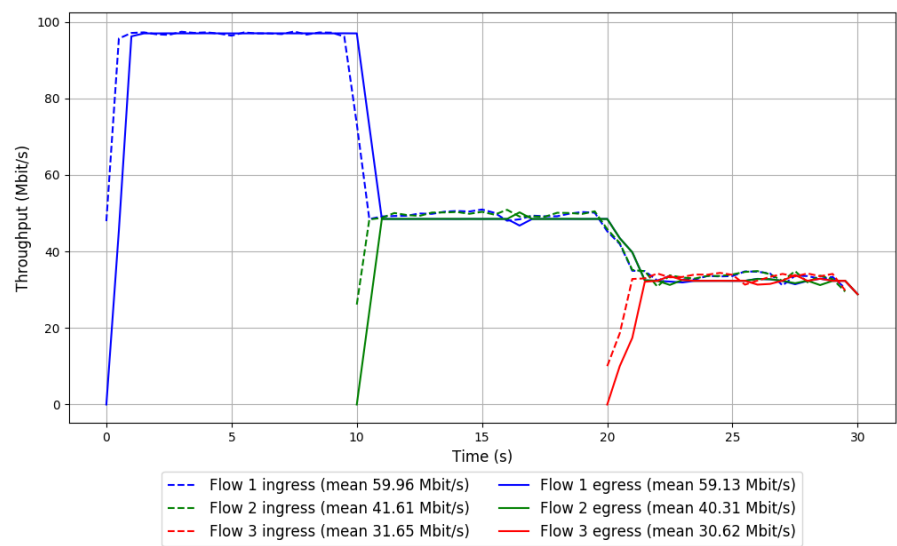
-- Flow 3:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 31.563 ms

Loss rate: 3.26%

Run 10: Report of FillP — Data Link

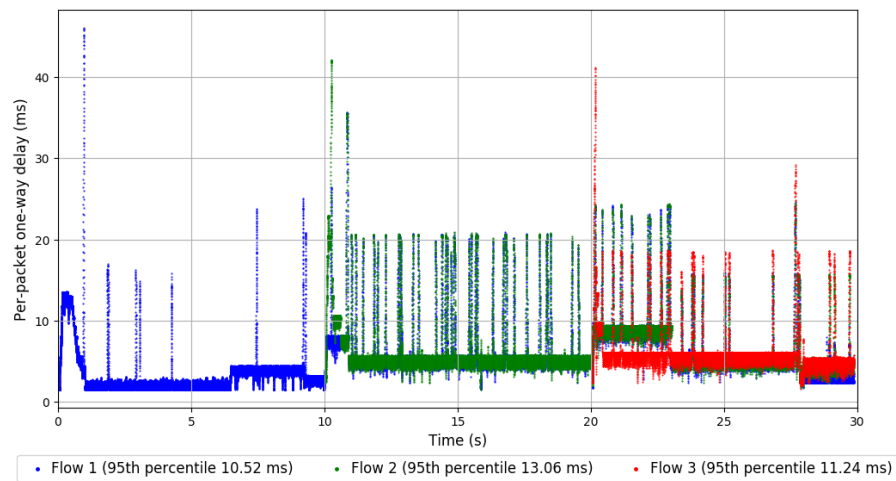
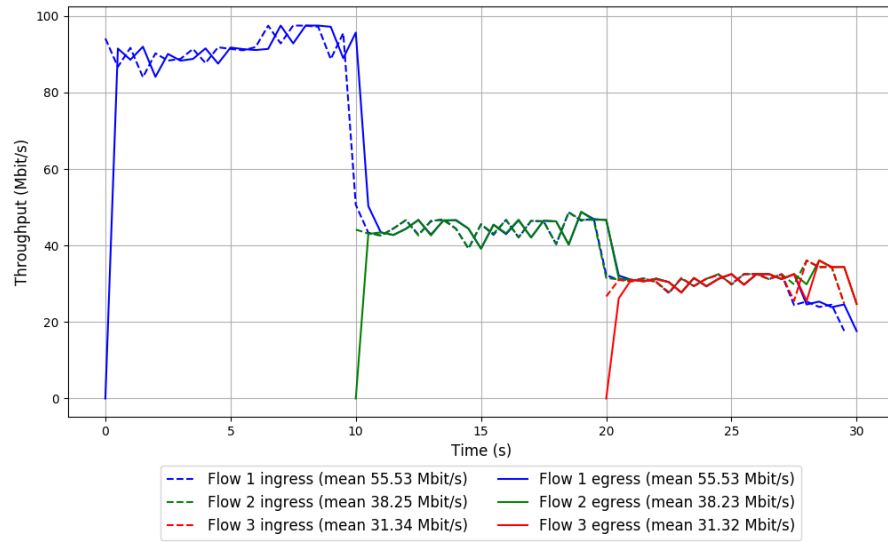


```
Run 1: Statistics of Indigo

Start at: 2018-06-06 03:01:39
End at: 2018-06-06 03:02:09
Local clock offset: -6.187 ms
Remote clock offset: -1.549 ms

# Below is generated by plot.py at 2018-06-06 06:00:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 11.481 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 10.522 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 13.063 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 11.239 ms
Loss rate: 0.09%
```


Run 1: Report of Indigo — Data Link

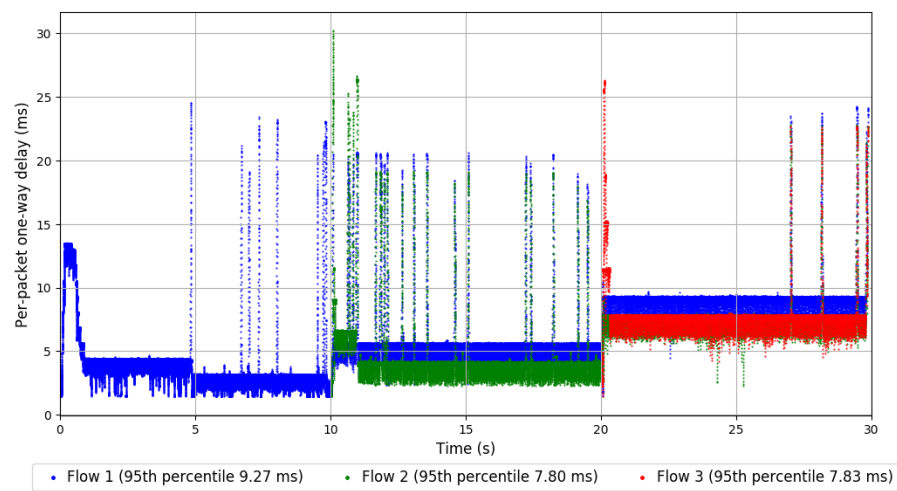
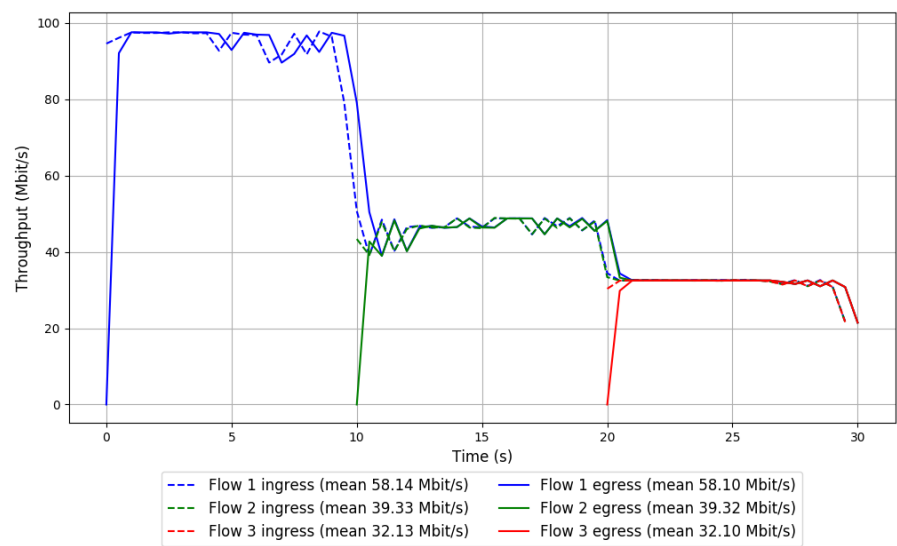


Run 2: Statistics of Indigo

Start at: 2018-06-06 03:19:38
End at: 2018-06-06 03:20:08
Local clock offset: -5.95 ms
Remote clock offset: -1.516 ms

Below is generated by plot.py at 2018-06-06 06:00:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 9.232 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 9.270 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 7.804 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 7.834 ms
Loss rate: 0.11%

Run 2: Report of Indigo — Data Link

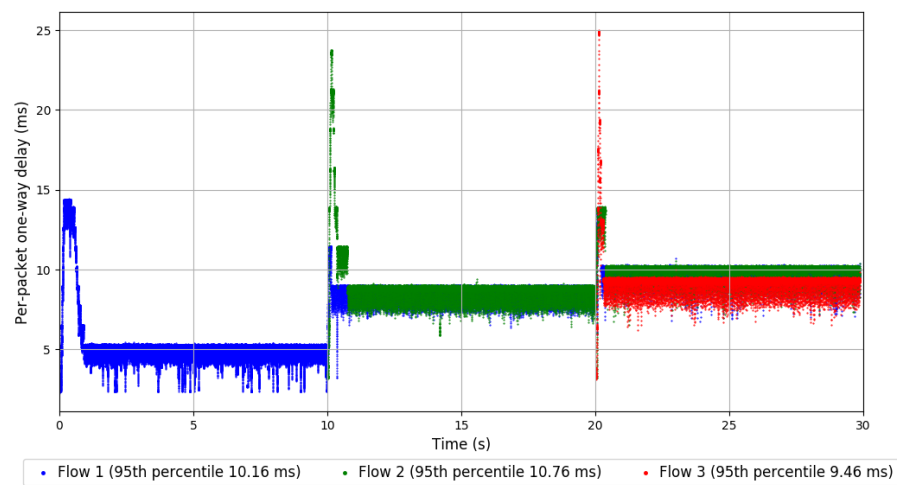
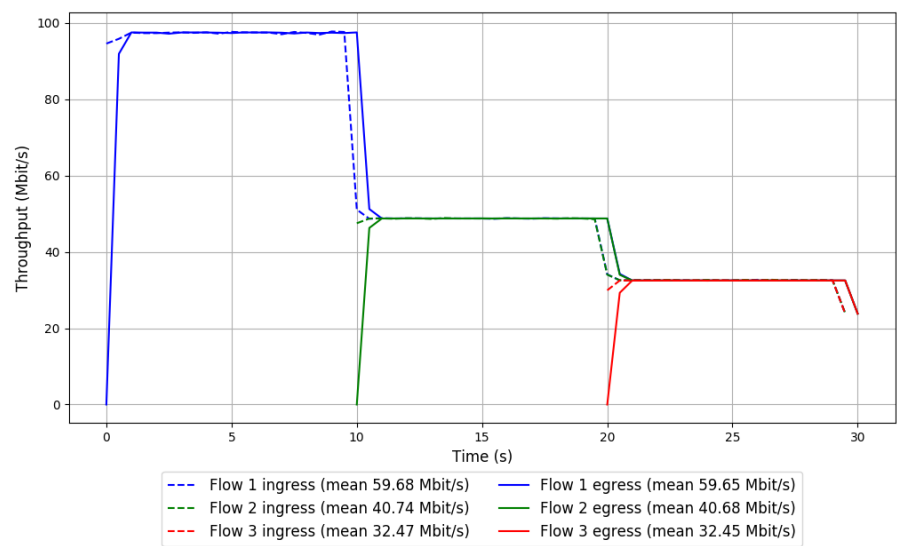


Run 3: Statistics of Indigo

Start at: 2018-06-06 03:37:41
End at: 2018-06-06 03:38:11
Local clock offset: -4.972 ms
Remote clock offset: -2.279 ms

Below is generated by plot.py at 2018-06-06 06:00:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.179 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 10.162 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 10.764 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 9.460 ms
Loss rate: 0.11%

Run 3: Report of Indigo — Data Link

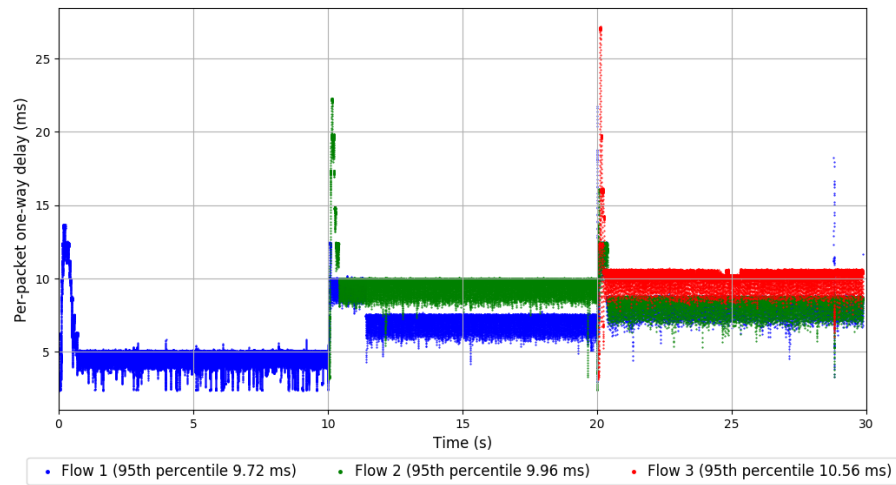
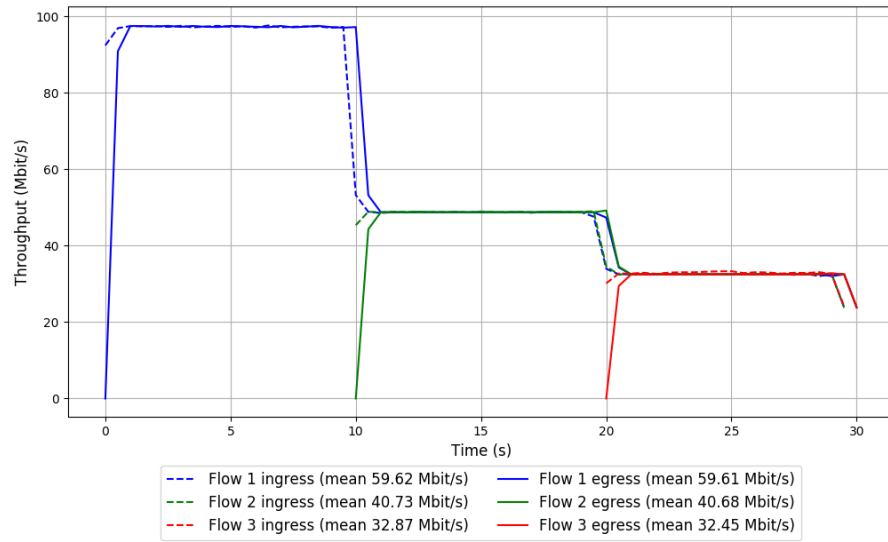


Run 4: Statistics of Indigo

Start at: 2018-06-06 03:55:44
End at: 2018-06-06 03:56:14
Local clock offset: -4.815 ms
Remote clock offset: -2.284 ms

Below is generated by plot.py at 2018-06-06 06:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 10.433 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 9.719 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 9.963 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 10.559 ms
Loss rate: 1.30%

Run 4: Report of Indigo — Data Link

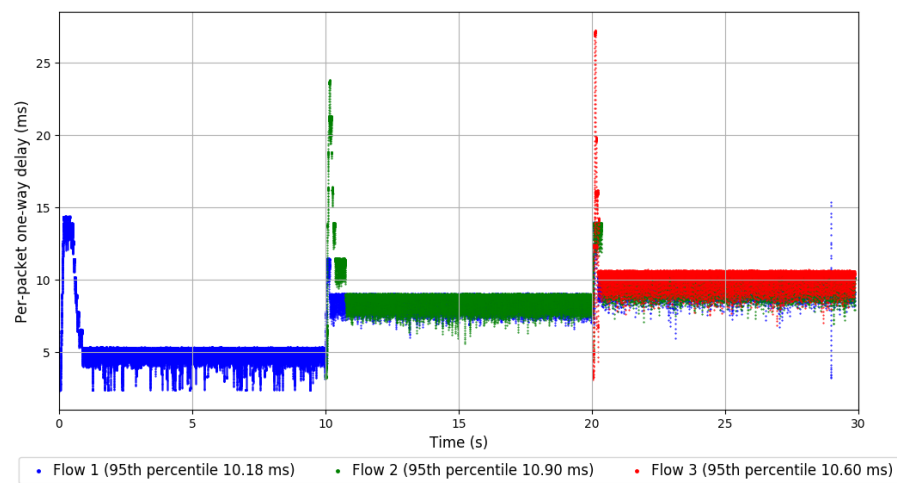
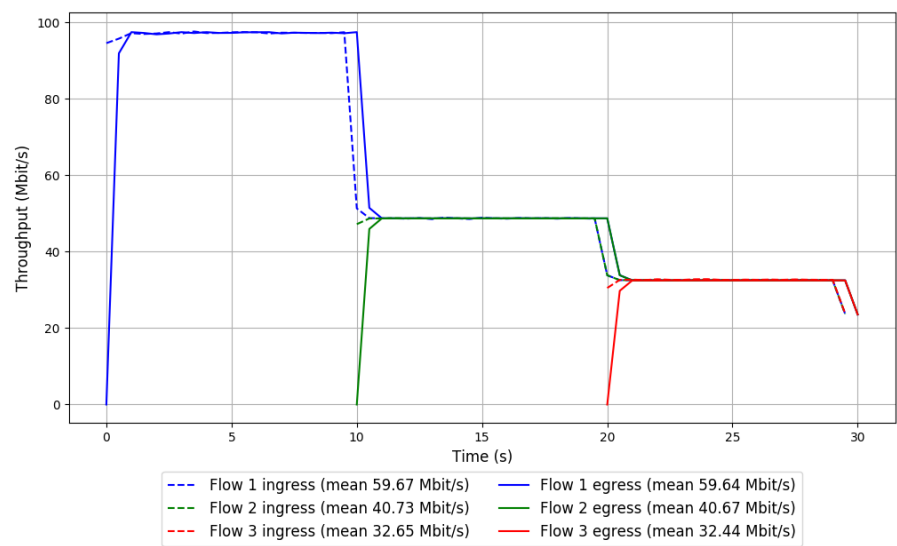


Run 5: Statistics of Indigo

Start at: 2018-06-06 04:13:46
End at: 2018-06-06 04:14:16
Local clock offset: -4.907 ms
Remote clock offset: -2.248 ms

Below is generated by plot.py at 2018-06-06 06:00:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 10.540 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 10.181 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 10.897 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 10.595 ms
Loss rate: 0.69%

Run 5: Report of Indigo — Data Link

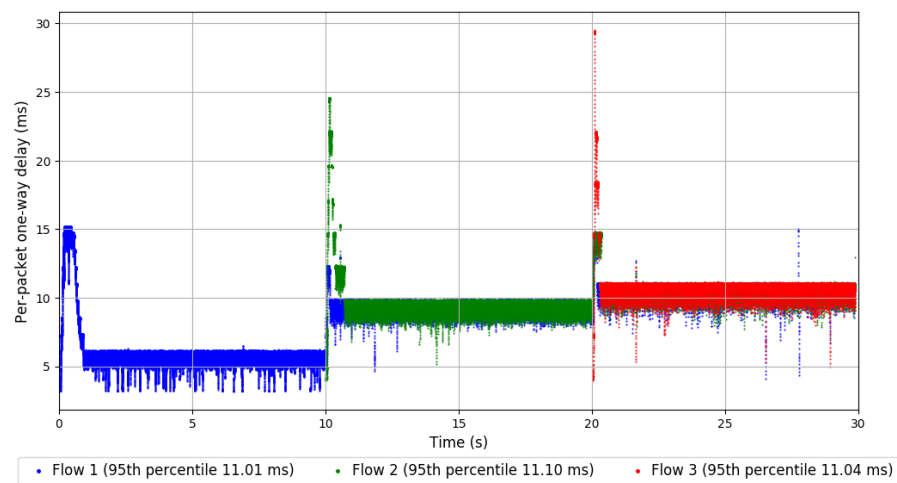
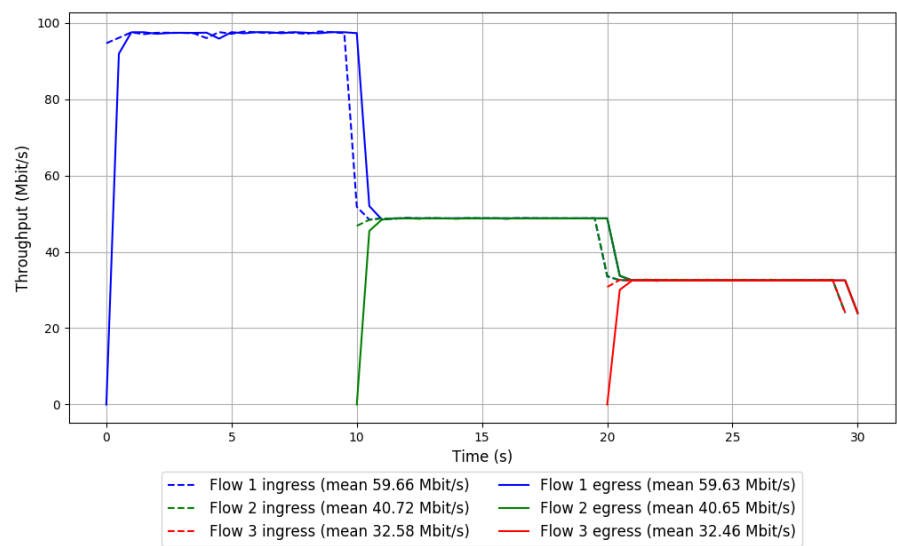


Run 6: Statistics of Indigo

Start at: 2018-06-06 04:31:48
End at: 2018-06-06 04:32:18
Local clock offset: -4.181 ms
Remote clock offset: -2.448 ms

Below is generated by plot.py at 2018-06-06 06:00:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 11.035 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 11.013 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 11.097 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 11.040 ms
Loss rate: 0.42%

Run 6: Report of Indigo — Data Link

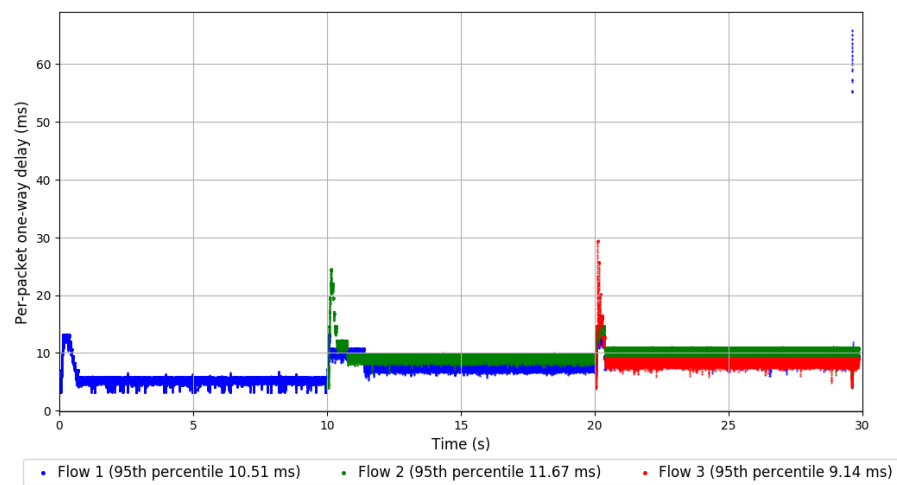
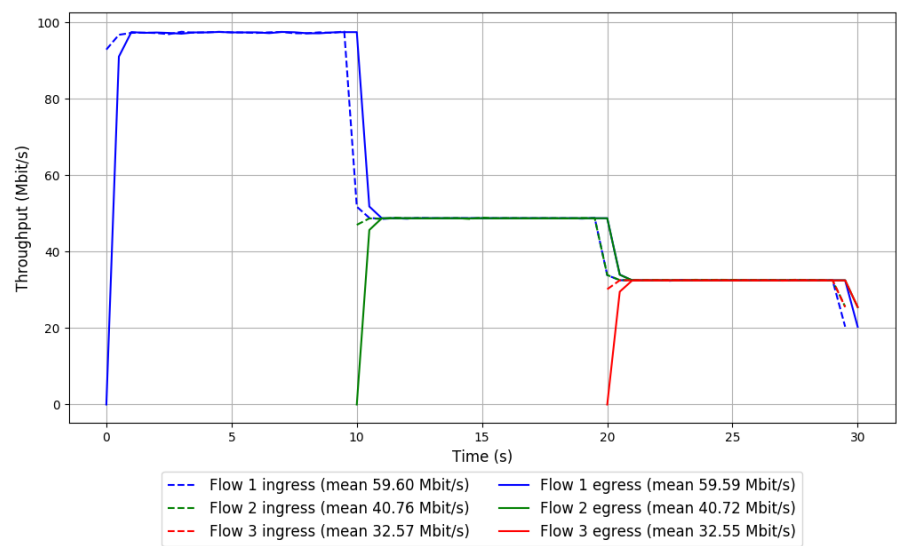


Run 7: Statistics of Indigo

Start at: 2018-06-06 04:49:49
End at: 2018-06-06 04:50:19
Local clock offset: -4.406 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-06-06 06:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.916 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 10.514 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 11.669 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 9.141 ms
Loss rate: 0.10%

Run 7: Report of Indigo — Data Link

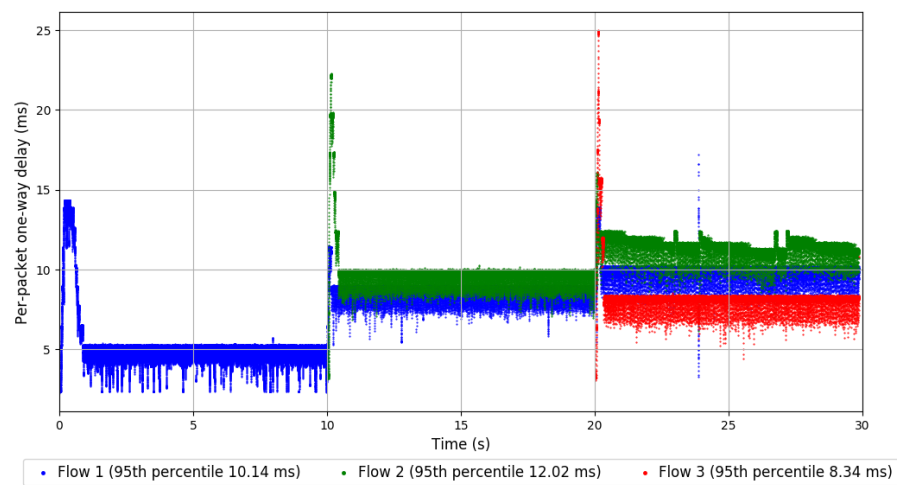
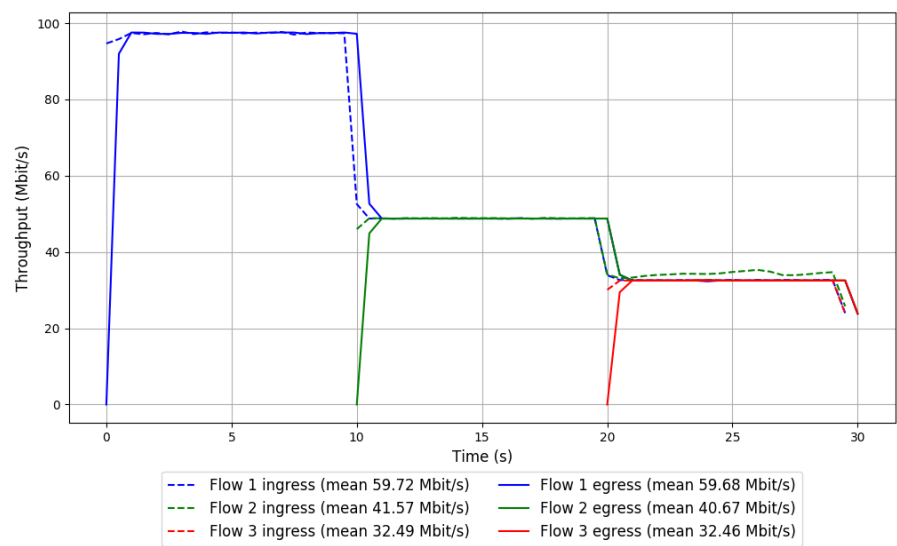


Run 8: Statistics of Indigo

Start at: 2018-06-06 05:07:49
End at: 2018-06-06 05:08:19
Local clock offset: -5.178 ms
Remote clock offset: -2.535 ms

Below is generated by plot.py at 2018-06-06 06:01:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 11.660 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 10.138 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 12.020 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 8.342 ms
Loss rate: 0.10%

Run 8: Report of Indigo — Data Link

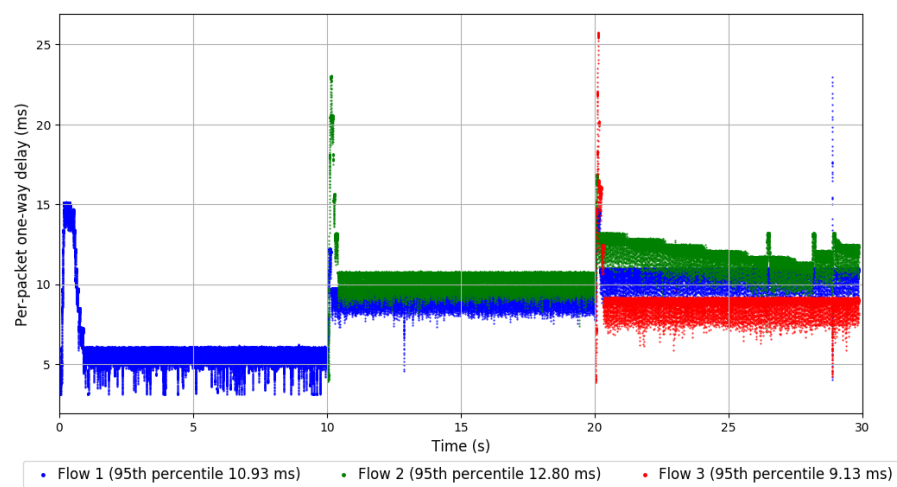
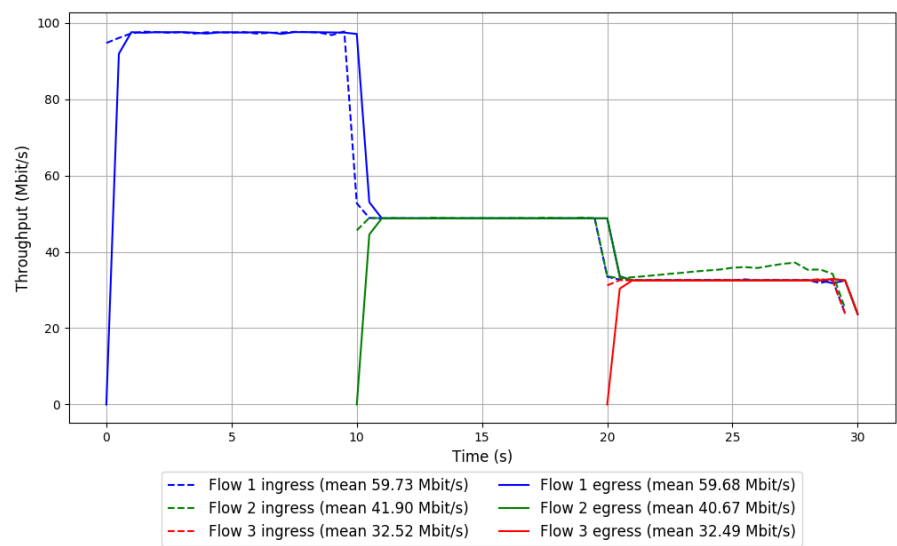


Run 9: Statistics of Indigo

Start at: 2018-06-06 05:25:51
End at: 2018-06-06 05:26:21
Local clock offset: -4.304 ms
Remote clock offset: -2.582 ms

Below is generated by plot.py at 2018-06-06 06:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 12.390 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 10.930 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 12.799 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 9.134 ms
Loss rate: 0.14%

Run 9: Report of Indigo — Data Link

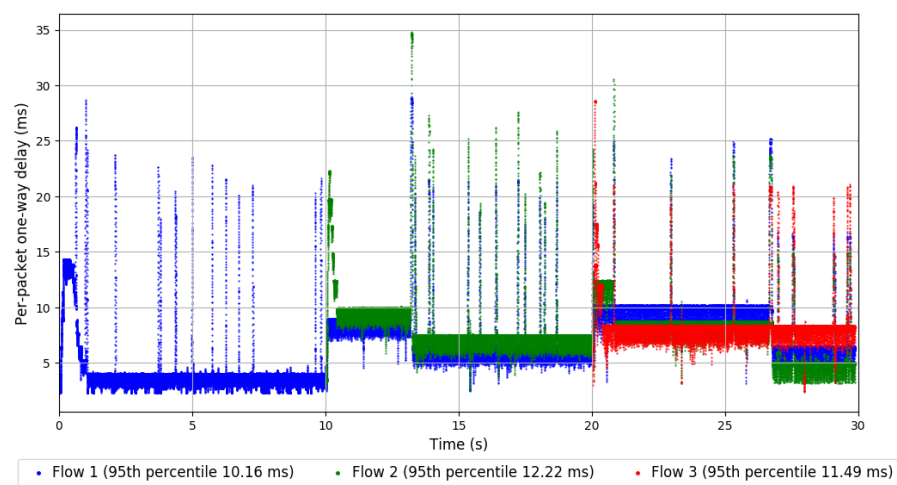
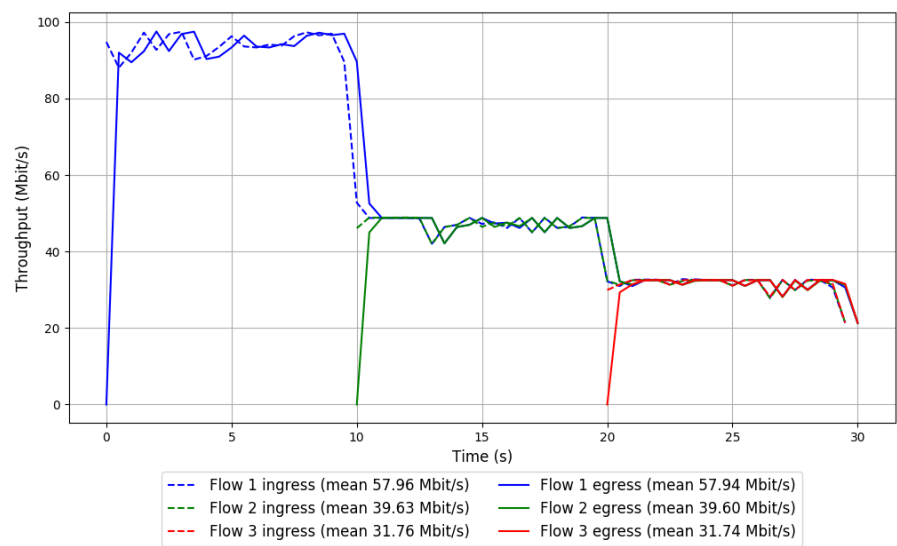


Run 10: Statistics of Indigo

Start at: 2018-06-06 05:43:54
End at: 2018-06-06 05:44:24
Local clock offset: -5.157 ms
Remote clock offset: -2.747 ms

Below is generated by plot.py at 2018-06-06 06:01:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 11.106 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 10.163 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 12.220 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 11.491 ms
Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

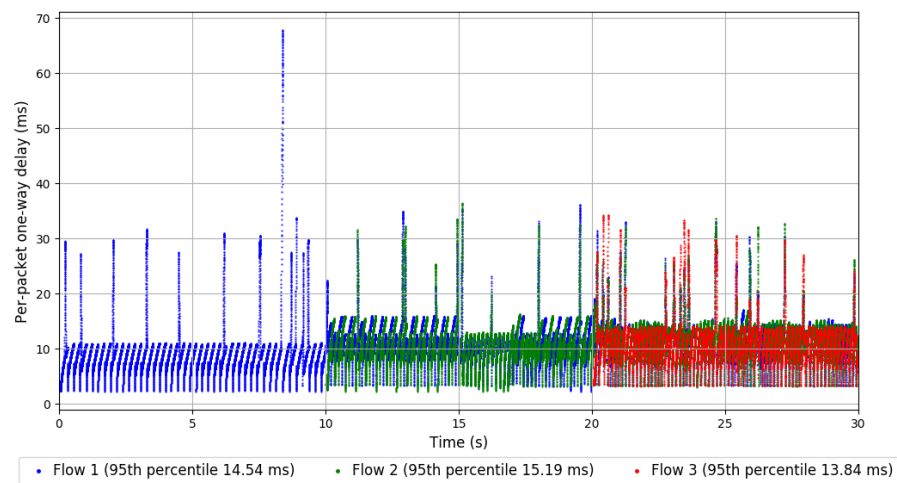
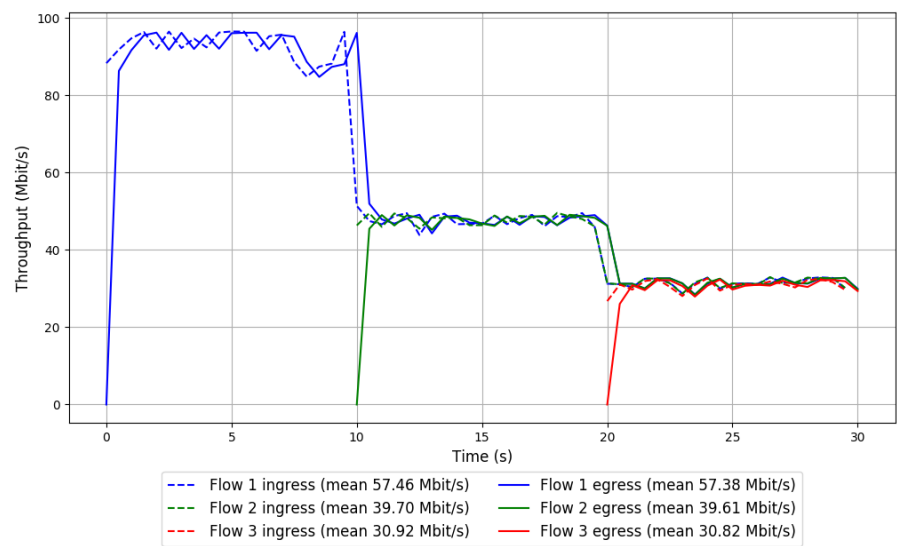


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-06 03:05:05
End at: 2018-06-06 03:05:35
Local clock offset: -5.327 ms
Remote clock offset: -1.433 ms

# Below is generated by plot.py at 2018-06-06 06:01:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 14.823 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 14.537 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 15.191 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 13.843 ms
Loss rate: 0.36%
```

Run 1: Report of LEDBAT — Data Link

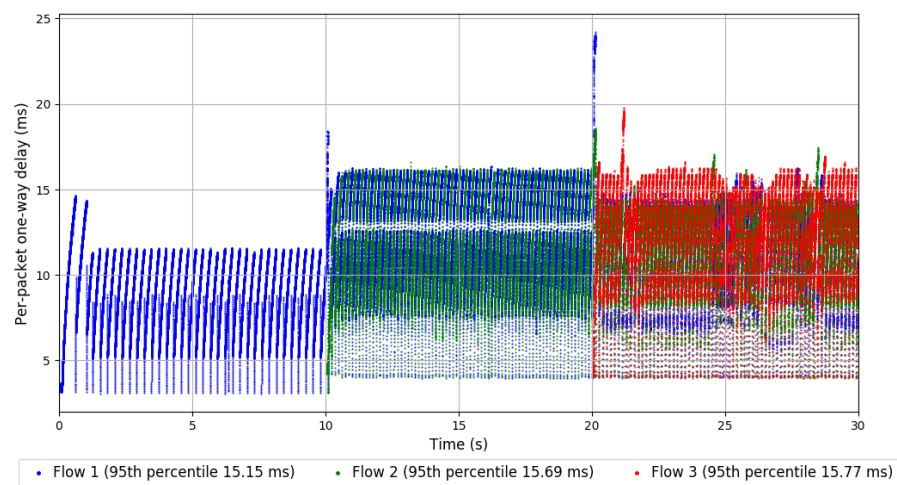
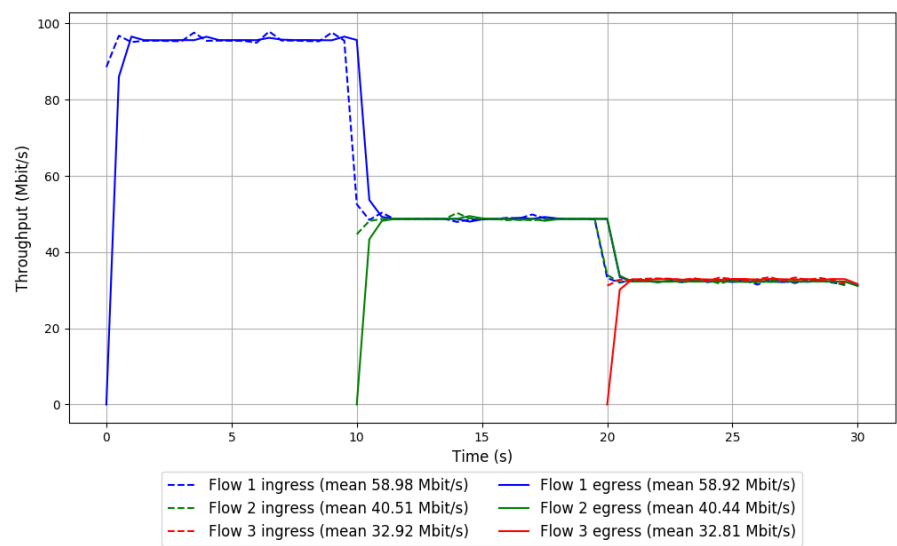


Run 2: Statistics of LEDBAT

Start at: 2018-06-06 03:23:04
End at: 2018-06-06 03:23:34
Local clock offset: -4.312 ms
Remote clock offset: -1.883 ms

Below is generated by plot.py at 2018-06-06 06:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 15.526 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 15.153 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 15.686 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 15.774 ms
Loss rate: 0.38%

Run 2: Report of LEDBAT — Data Link

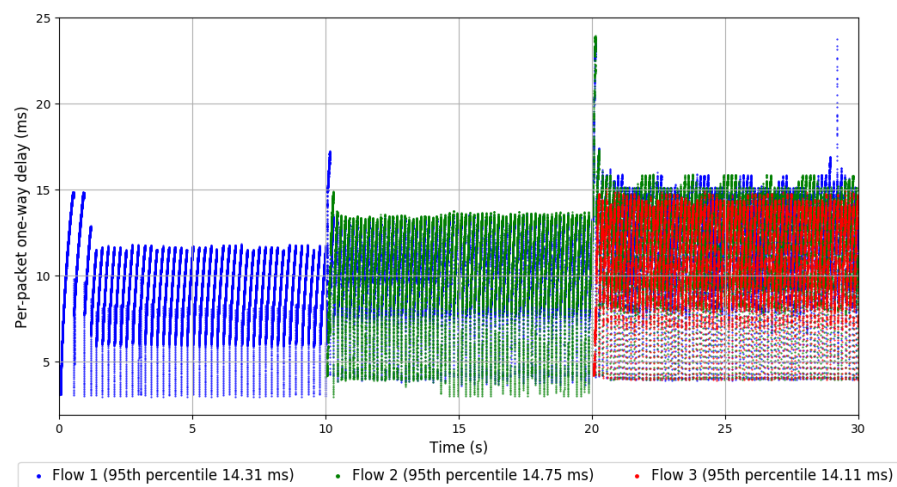
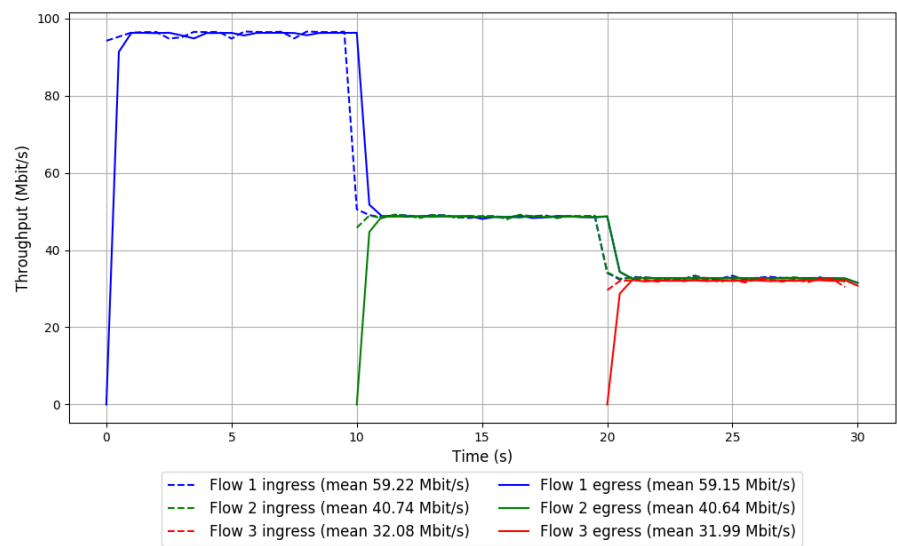


Run 3: Statistics of LEDBAT

Start at: 2018-06-06 03:41:07
End at: 2018-06-06 03:41:37
Local clock offset: -4.156 ms
Remote clock offset: -2.277 ms

Below is generated by plot.py at 2018-06-06 06:01:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 14.476 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 14.315 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 14.754 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 14.112 ms
Loss rate: 0.33%

Run 3: Report of LEDBAT — Data Link

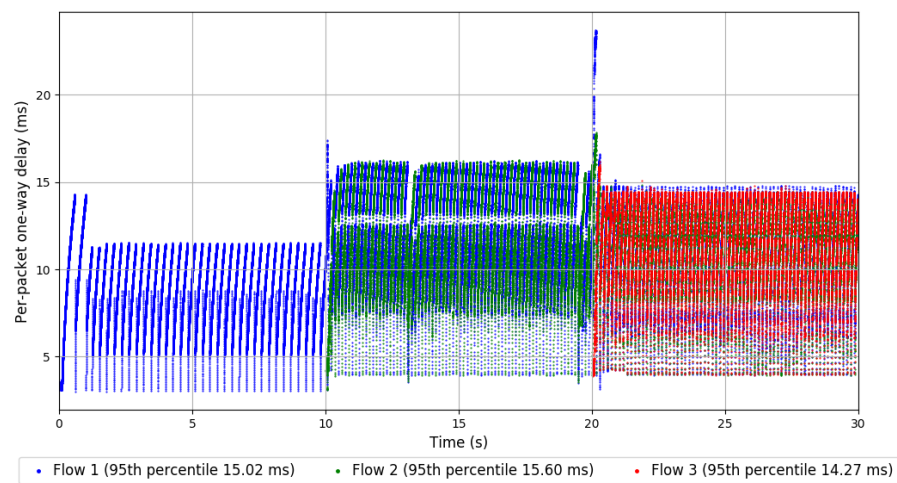
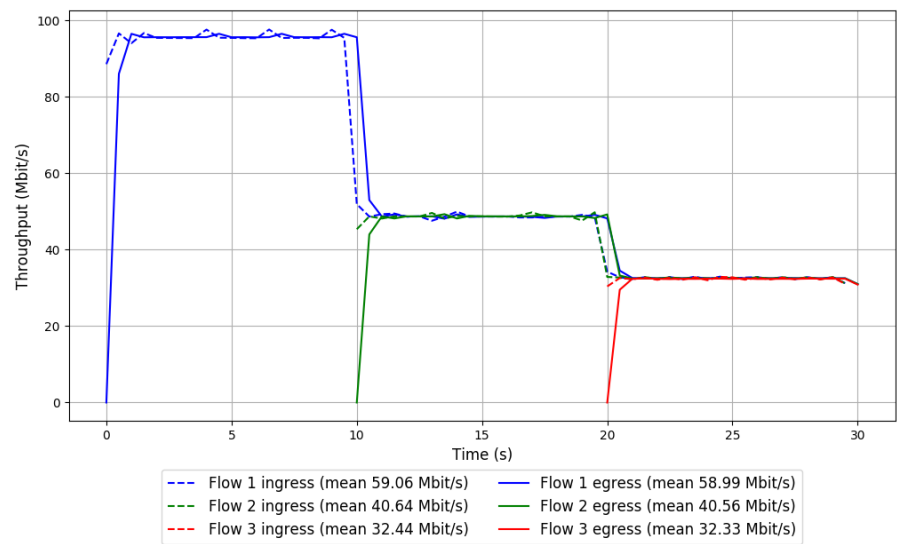


Run 4: Statistics of LEDBAT

Start at: 2018-06-06 03:59:10
End at: 2018-06-06 03:59:40
Local clock offset: -4.019 ms
Remote clock offset: -2.28 ms

Below is generated by plot.py at 2018-06-06 06:01:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 15.238 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 15.017 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 15.604 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 14.273 ms
Loss rate: 0.39%

Run 4: Report of LEDBAT — Data Link

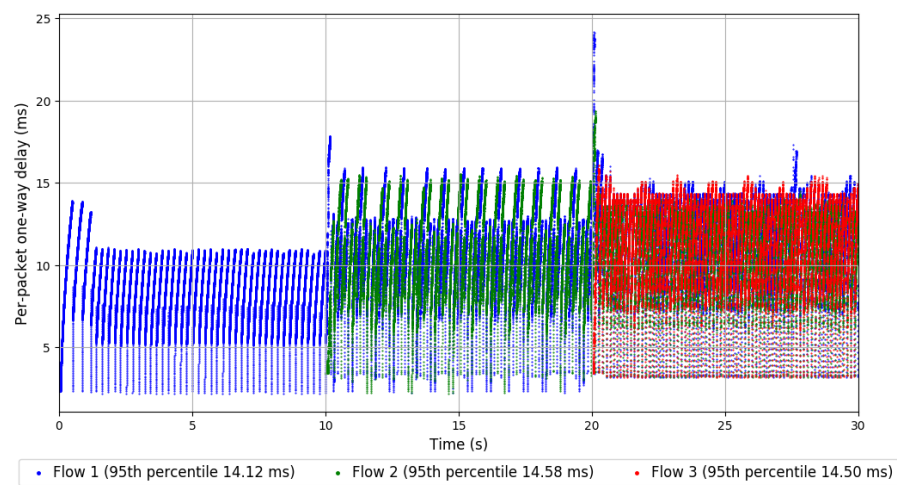
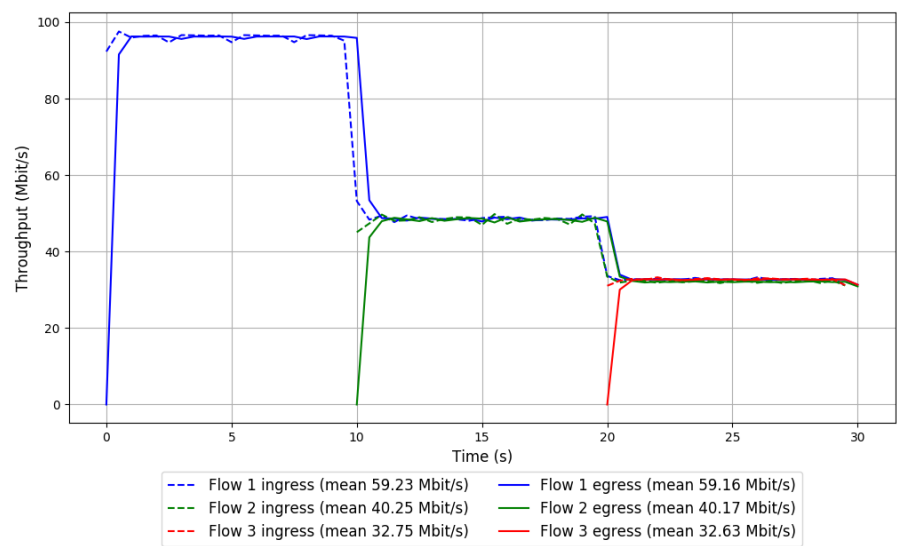


Run 5: Statistics of LEDBAT

Start at: 2018-06-06 04:17:12
End at: 2018-06-06 04:17:42
Local clock offset: -4.939 ms
Remote clock offset: -2.231 ms

Below is generated by plot.py at 2018-06-06 06:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 14.327 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 14.115 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 14.498 ms
Loss rate: 0.35%

Run 5: Report of LEDBAT — Data Link

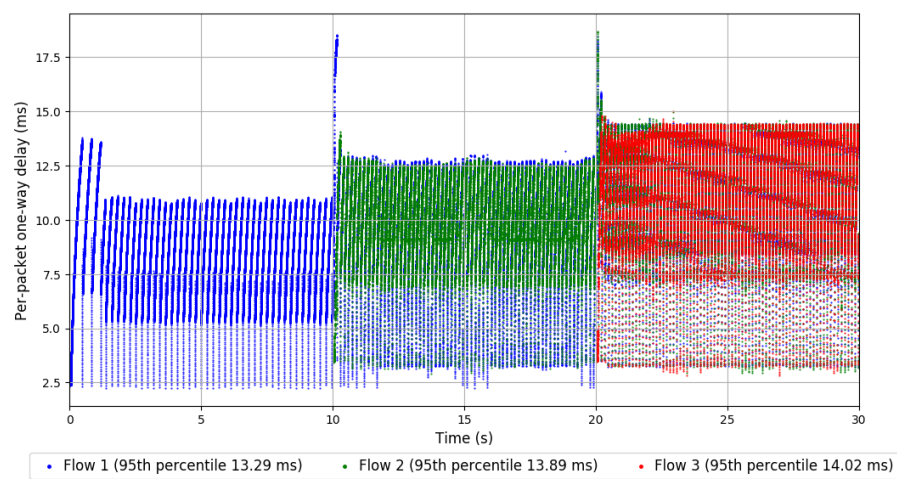
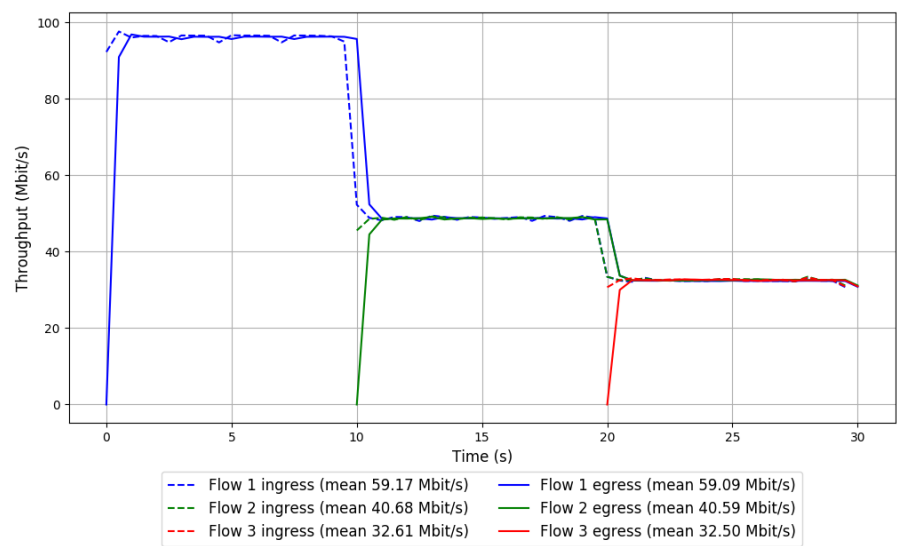


Run 6: Statistics of LEDBAT

Start at: 2018-06-06 04:35:14
End at: 2018-06-06 04:35:44
Local clock offset: -4.969 ms
Remote clock offset: -2.426 ms

Below is generated by plot.py at 2018-06-06 06:02:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 13.718 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 13.289 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 13.886 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 14.022 ms
Loss rate: 0.38%

Run 6: Report of LEDBAT — Data Link

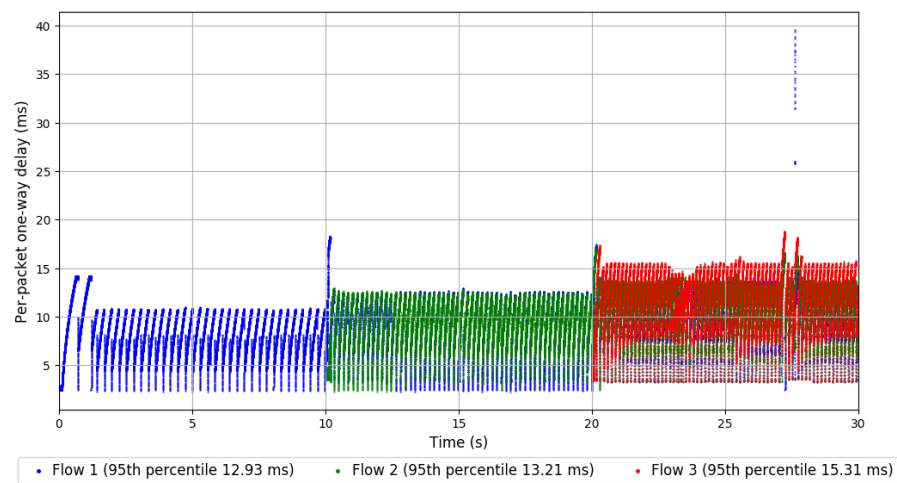
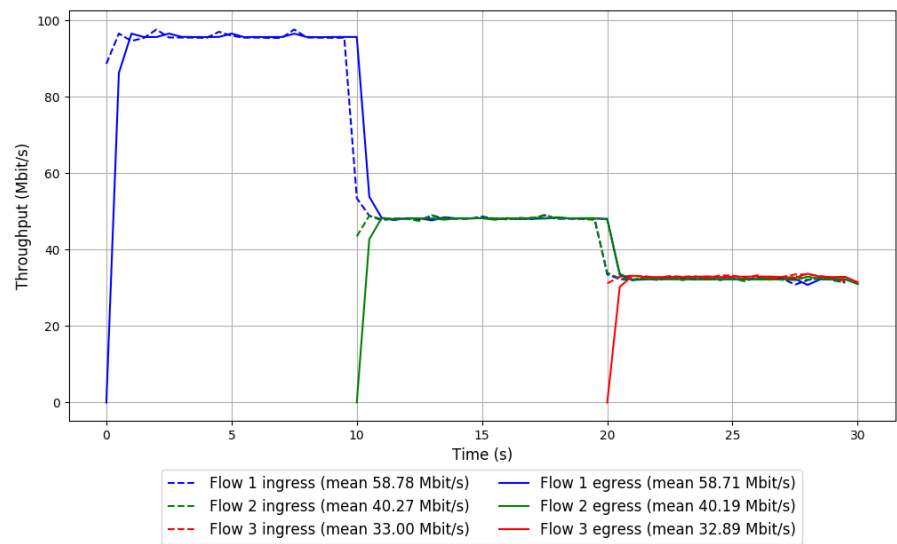


Run 7: Statistics of LEDBAT

Start at: 2018-06-06 04:53:15
End at: 2018-06-06 04:53:45
Local clock offset: -5.193 ms
Remote clock offset: -2.602 ms

Below is generated by plot.py at 2018-06-06 06:02:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 13.750 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 12.934 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 13.210 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 15.307 ms
Loss rate: 0.38%

Run 7: Report of LEDBAT — Data Link

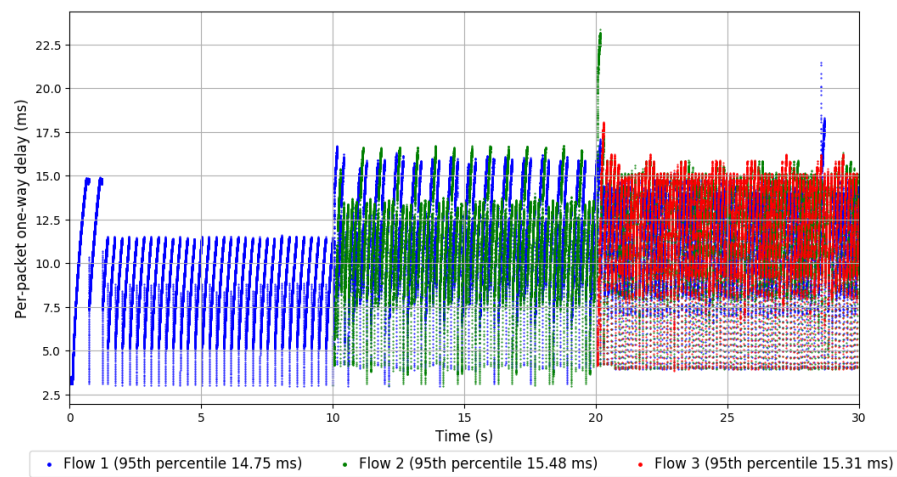
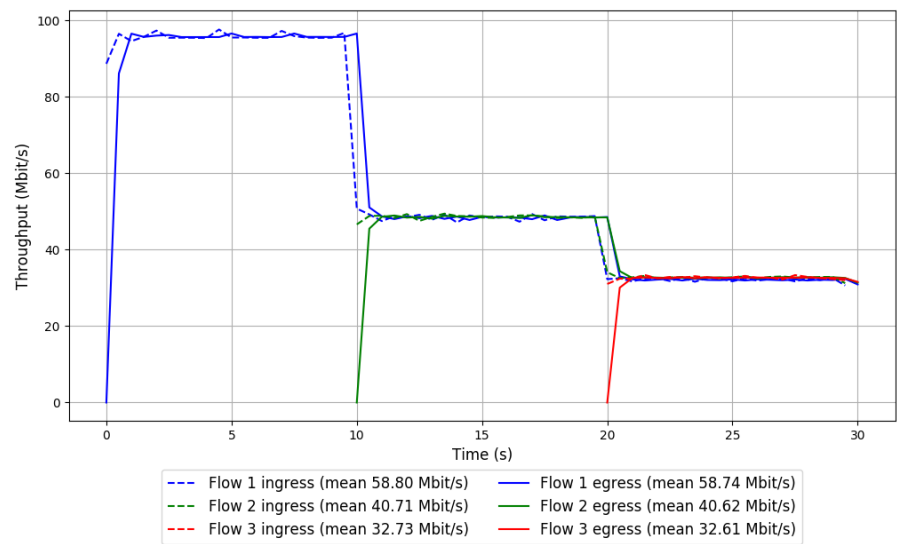


Run 8: Statistics of LEDBAT

Start at: 2018-06-06 05:11:15
End at: 2018-06-06 05:11:45
Local clock offset: -4.362 ms
Remote clock offset: -2.543 ms

Below is generated by plot.py at 2018-06-06 06:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 15.092 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 14.754 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 15.482 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 15.309 ms
Loss rate: 0.40%

Run 8: Report of LEDBAT — Data Link

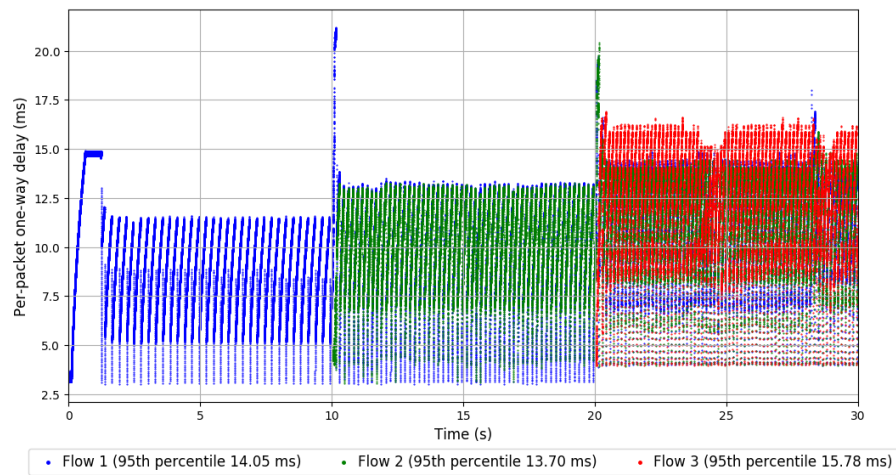
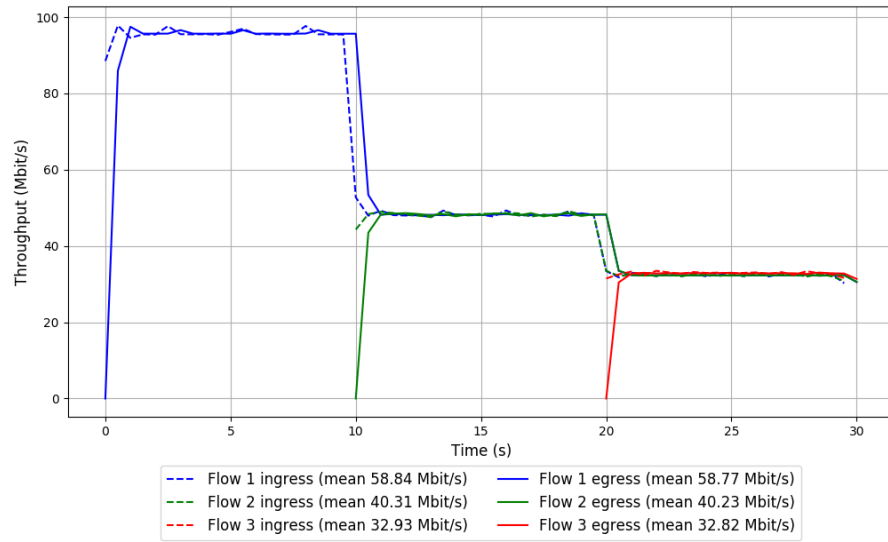


Run 9: Statistics of LEDBAT

Start at: 2018-06-06 05:29:17
End at: 2018-06-06 05:29:47
Local clock offset: -4.285 ms
Remote clock offset: -2.605 ms

Below is generated by plot.py at 2018-06-06 06:02:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 14.714 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 14.051 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 13.698 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 15.782 ms
Loss rate: 0.37%

Run 9: Report of LEDBAT — Data Link

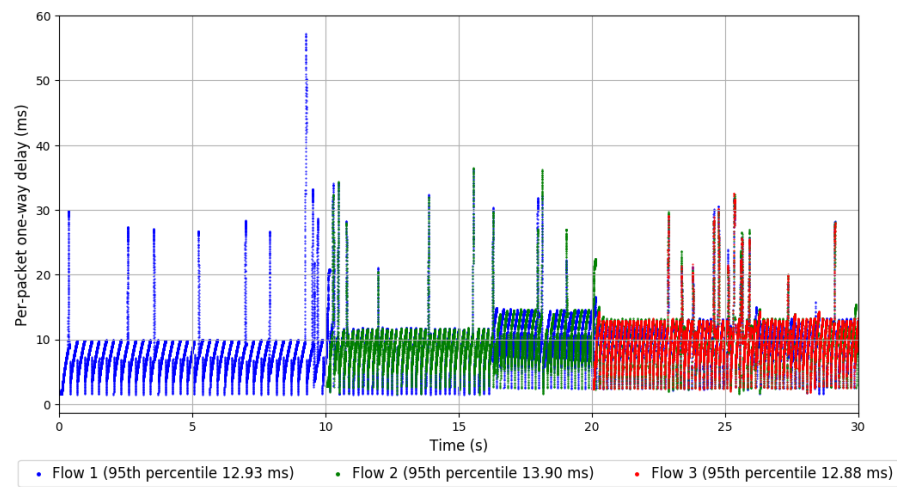
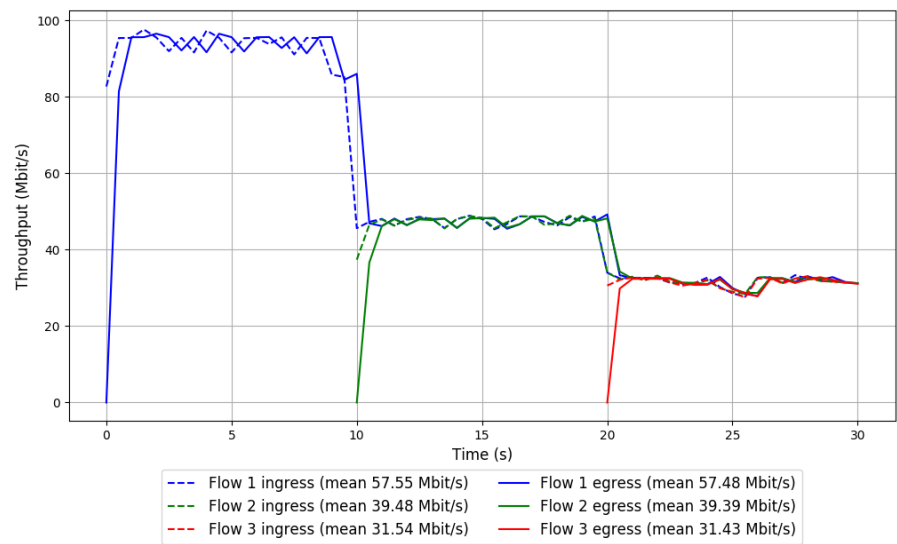


Run 10: Statistics of LEDBAT

Start at: 2018-06-06 05:47:20
End at: 2018-06-06 05:47:50
Local clock offset: -5.923 ms
Remote clock offset: -2.776 ms

Below is generated by plot.py at 2018-06-06 06:02:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 13.350 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 12.932 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 13.897 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 12.883 ms
Loss rate: 0.40%

Run 10: Report of LEDBAT — Data Link

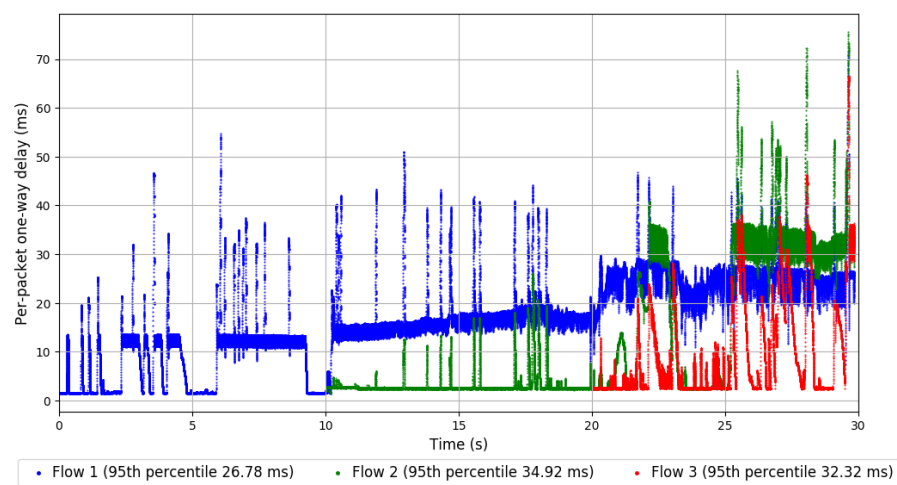
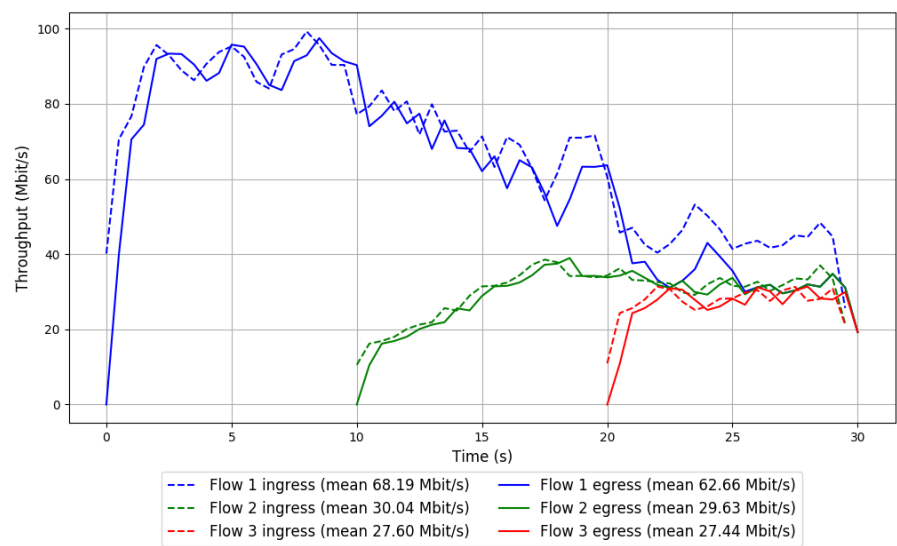


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-06 02:52:47
End at: 2018-06-06 02:53:17
Local clock offset: -6.199 ms
Remote clock offset: -1.954 ms

# Below is generated by plot.py at 2018-06-06 06:02:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 26.783 ms
Loss rate: 8.12%
-- Flow 2:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 32.319 ms
Loss rate: 0.76%
```


Run 1: Report of PCC-Allegro — Data Link

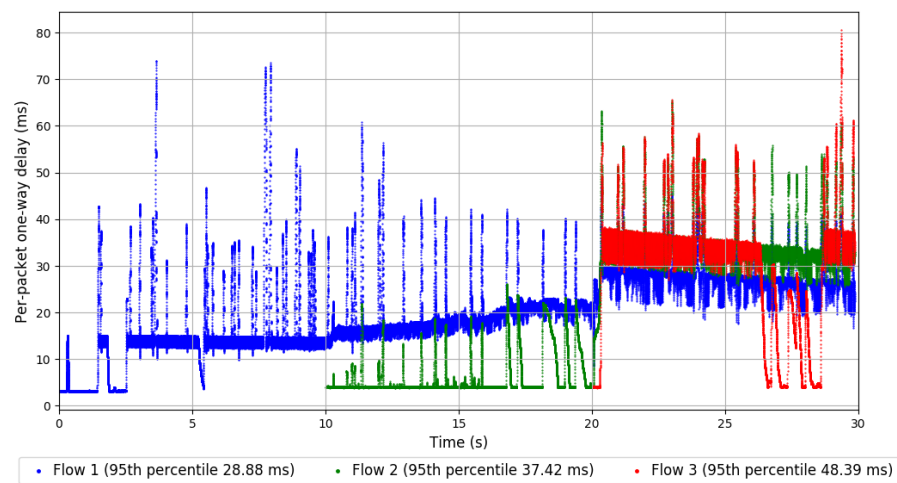
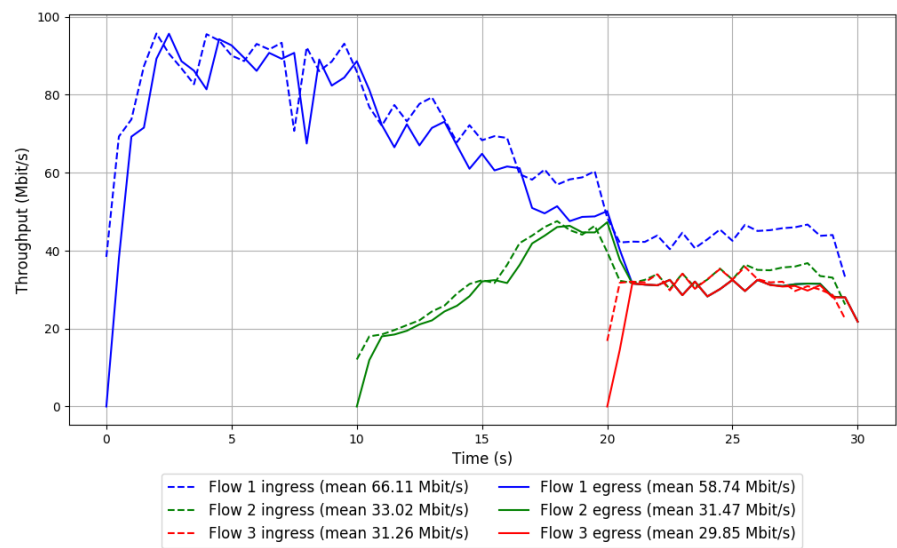


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-06 03:10:45
End at: 2018-06-06 03:11:15
Local clock offset: -4.44 ms
Remote clock offset: -1.233 ms

```
# Below is generated by plot.py at 2018-06-06 06:02:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 36.056 ms
Loss rate: 9.05%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 28.881 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 37.420 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 48.386 ms
Loss rate: 4.69%
```

Run 2: Report of PCC-Allegro — Data Link

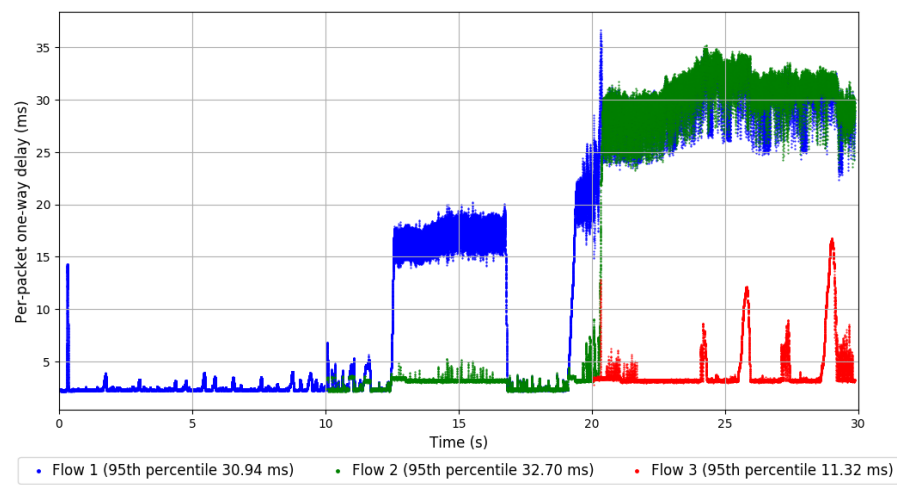
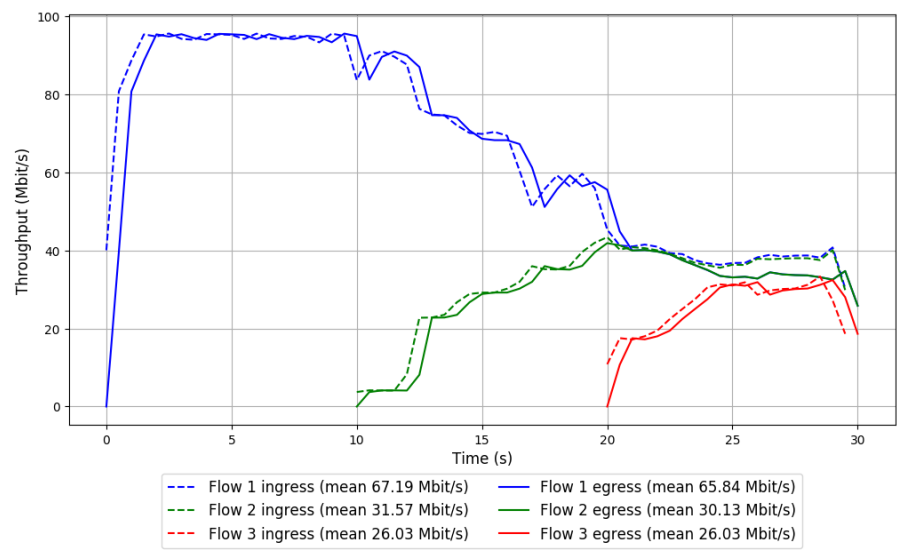


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-06 03:28:47
End at: 2018-06-06 03:29:17
Local clock offset: -5.063 ms
Remote clock offset: -2.104 ms

Below is generated by plot.py at 2018-06-06 06:03:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 31.635 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 30.943 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 32.703 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link

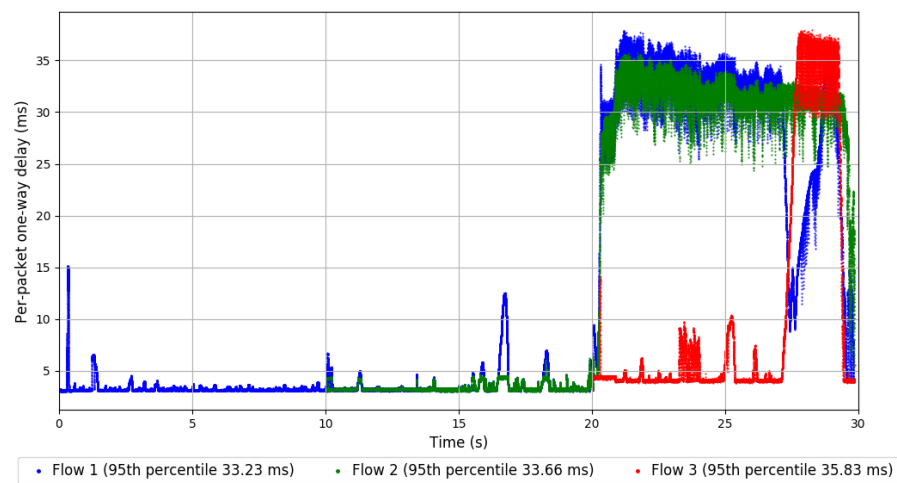
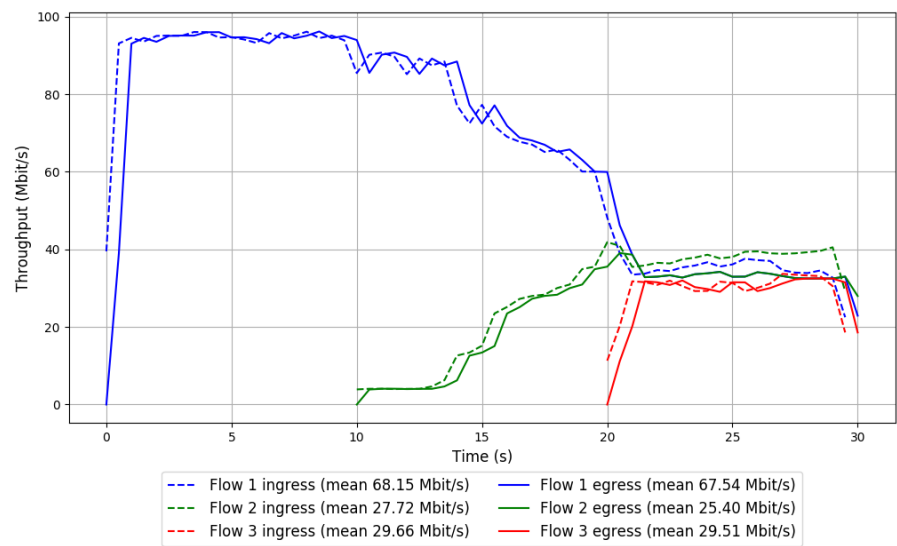


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-06 03:46:50
End at: 2018-06-06 03:47:20
Local clock offset: -4.095 ms
Remote clock offset: -2.318 ms

Below is generated by plot.py at 2018-06-06 06:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 33.658 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 33.233 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 33.655 ms
Loss rate: 8.36%
-- Flow 3:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 35.825 ms
Loss rate: 0.54%

Run 4: Report of PCC-Allegro — Data Link

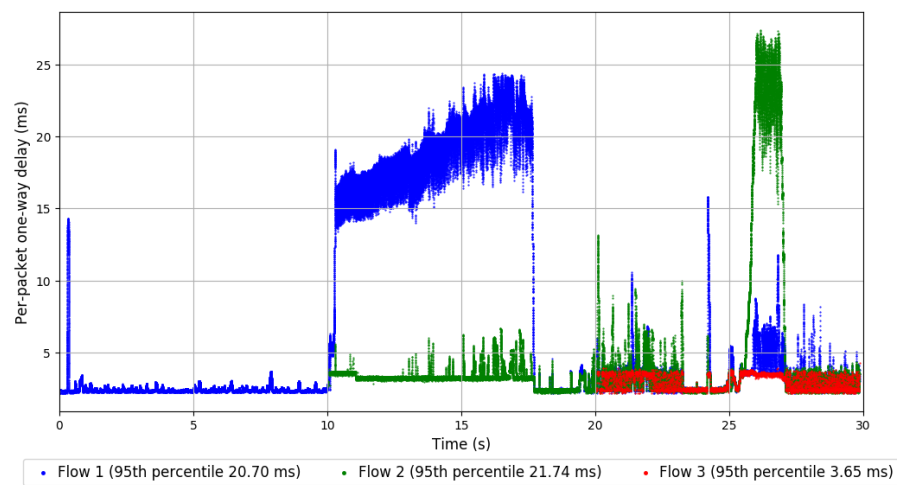
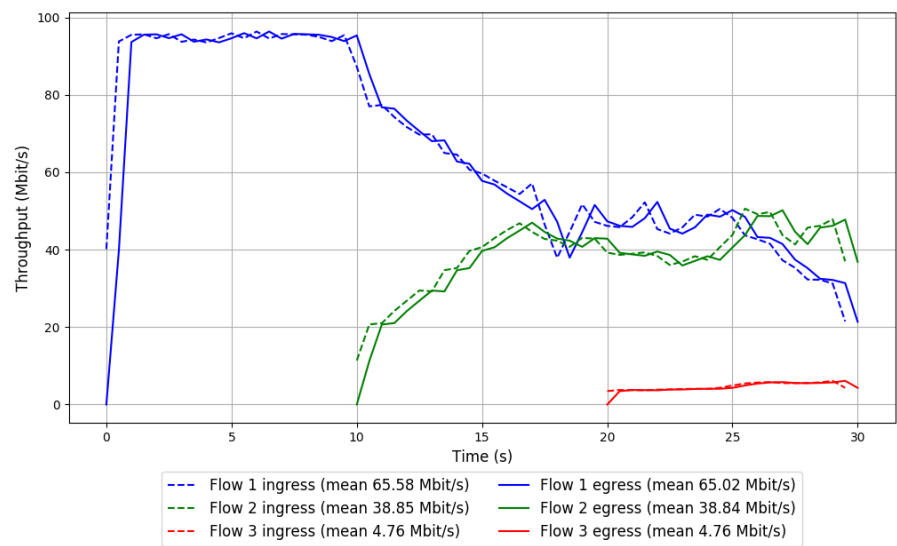


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-06 04:04:53
End at: 2018-06-06 04:05:23
Local clock offset: -4.801 ms
Remote clock offset: -2.264 ms

Below is generated by plot.py at 2018-06-06 06:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 20.698 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 21.743 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 3.655 ms
Loss rate: 0.03%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-06 04:22:55

End at: 2018-06-06 04:23:25

Local clock offset: -5.021 ms

Remote clock offset: -2.27 ms

Below is generated by plot.py at 2018-06-06 06:03:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 32.479 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 61.70 Mbit/s

95th percentile per-packet one-way delay: 31.698 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 33.74 Mbit/s

95th percentile per-packet one-way delay: 33.481 ms

Loss rate: 2.83%

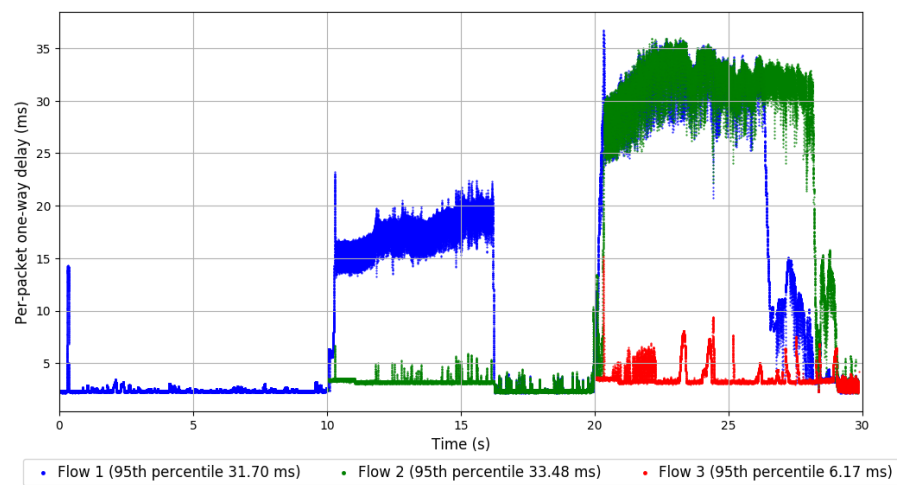
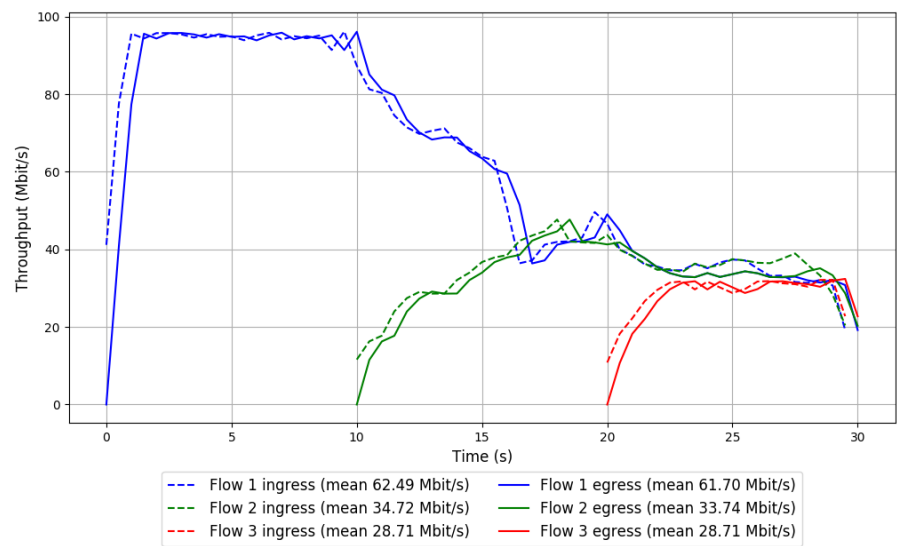
-- Flow 3:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 6.165 ms

Loss rate: 0.03%

Run 6: Report of PCC-Allegro — Data Link

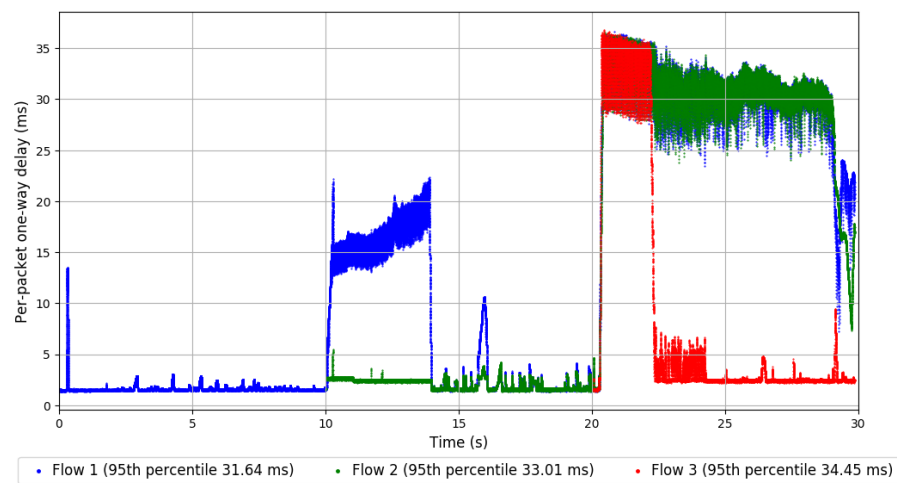
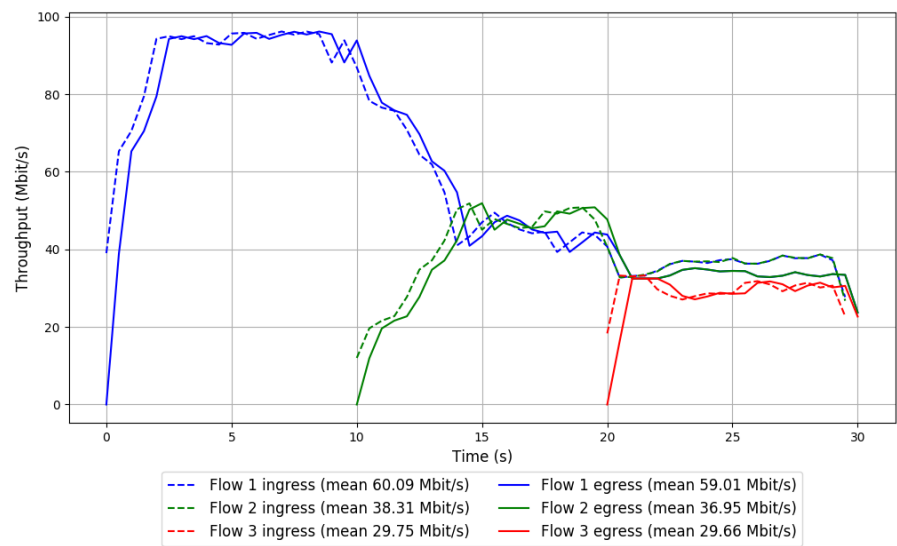


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-06 04:40:57
End at: 2018-06-06 04:41:27
Local clock offset: -5.924 ms
Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-06-06 06:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 32.426 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 3.63%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 34.454 ms
Loss rate: 0.48%

Run 7: Report of PCC-Allegro — Data Link

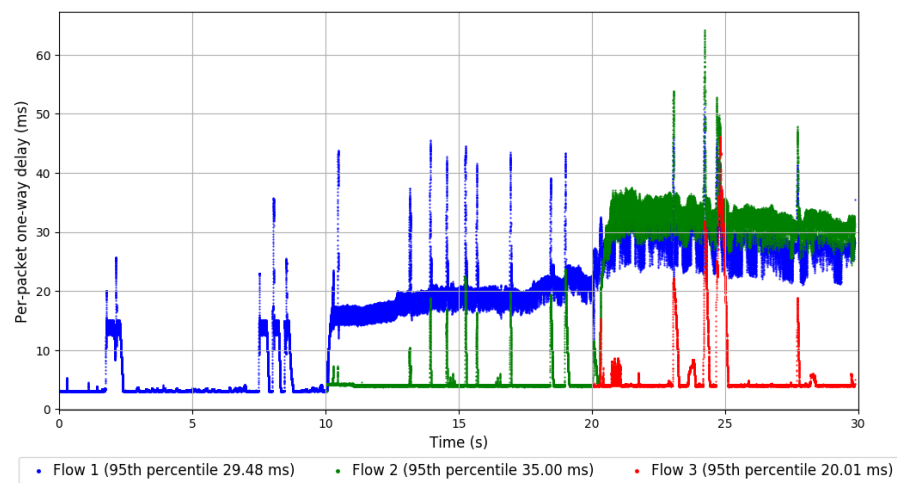
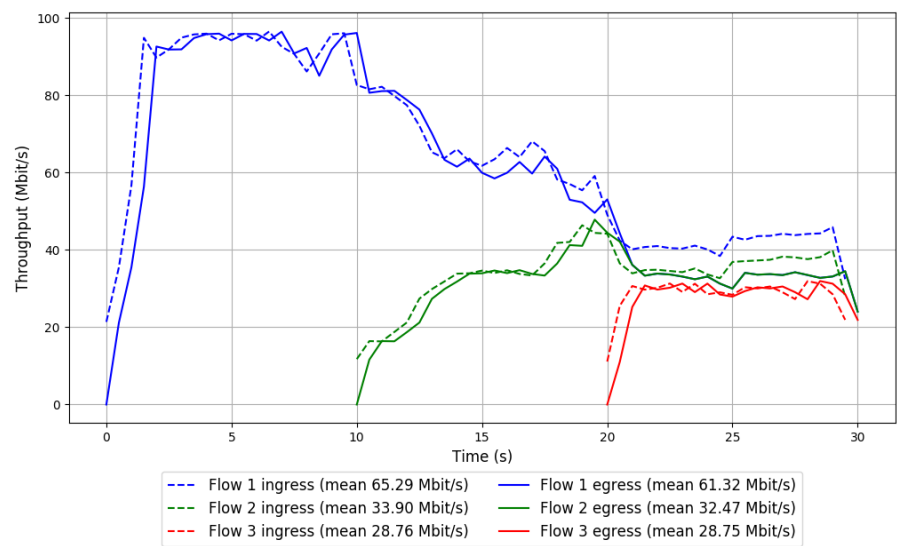


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-06 04:58:57
End at: 2018-06-06 04:59:27
Local clock offset: -4.456 ms
Remote clock offset: -2.515 ms

Below is generated by plot.py at 2018-06-06 06:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 32.782 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 29.478 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 34.998 ms
Loss rate: 4.28%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 20.008 ms
Loss rate: 0.08%

Run 8: Report of PCC-Allegro — Data Link

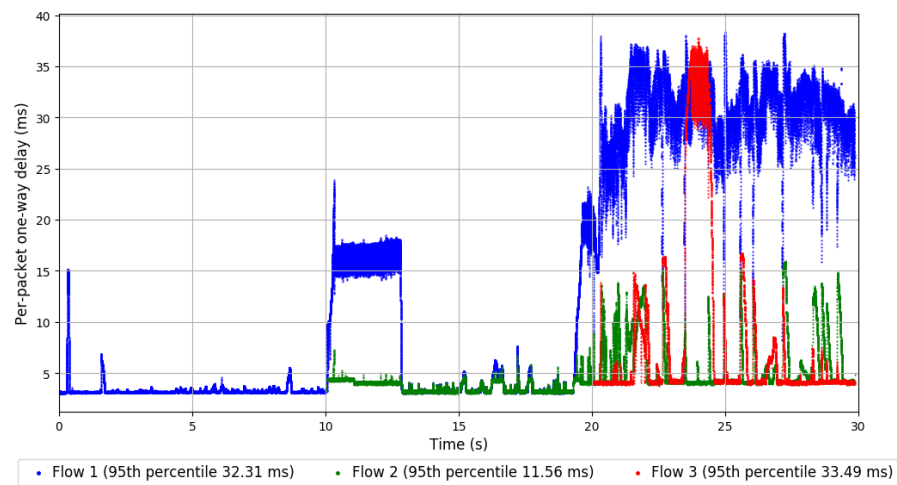
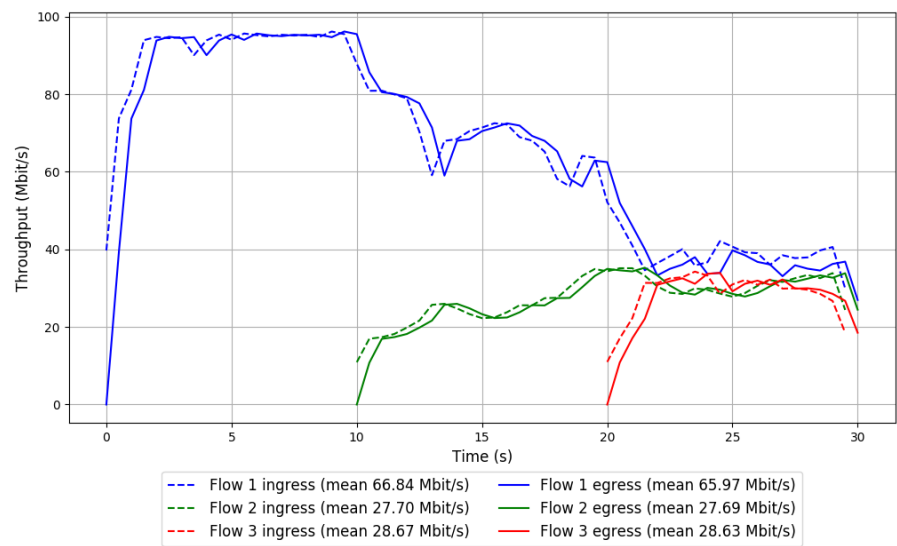


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-06 05:16:58
End at: 2018-06-06 05:17:28
Local clock offset: -4.323 ms
Remote clock offset: -2.617 ms

Below is generated by plot.py at 2018-06-06 06:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 31.798 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 32.311 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 11.556 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 33.490 ms
Loss rate: 0.20%

Run 9: Report of PCC-Allegro — Data Link

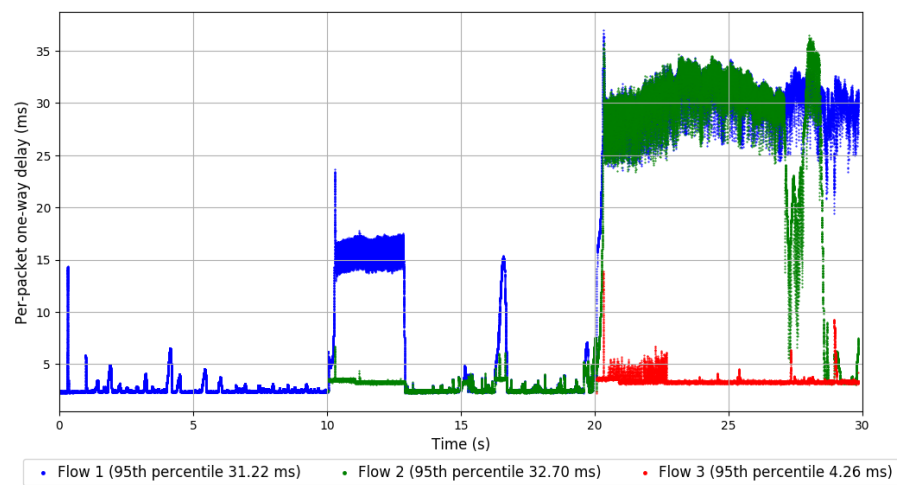
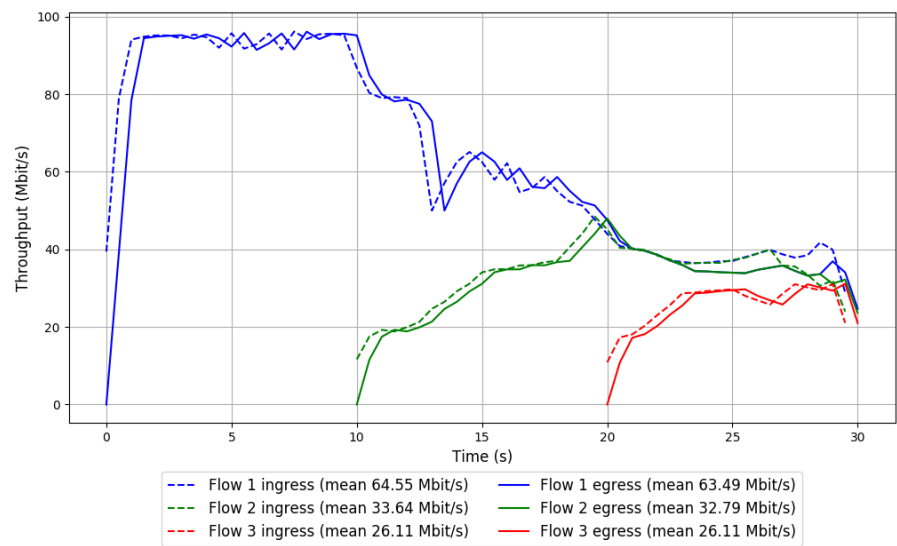


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-06 05:35:00
End at: 2018-06-06 05:35:30
Local clock offset: -5.071 ms
Remote clock offset: -2.679 ms

Below is generated by plot.py at 2018-06-06 06:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 31.634 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 32.697 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.05%

Run 10: Report of PCC-Allegro — Data Link

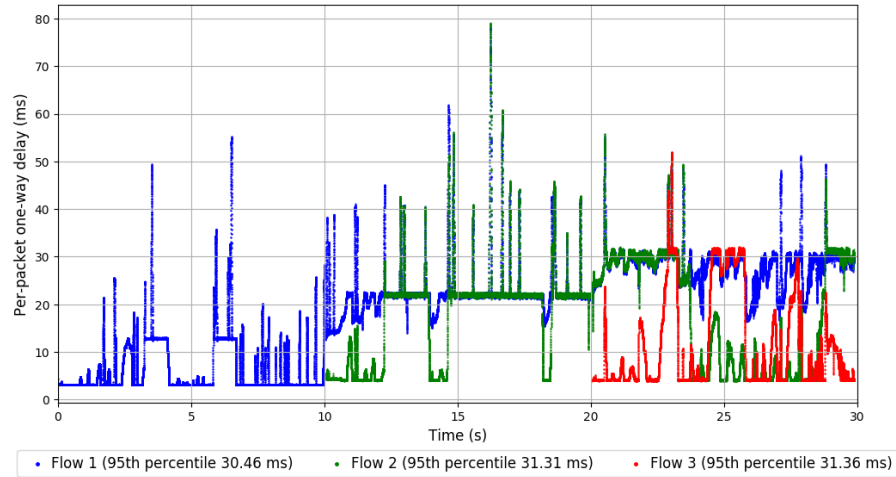
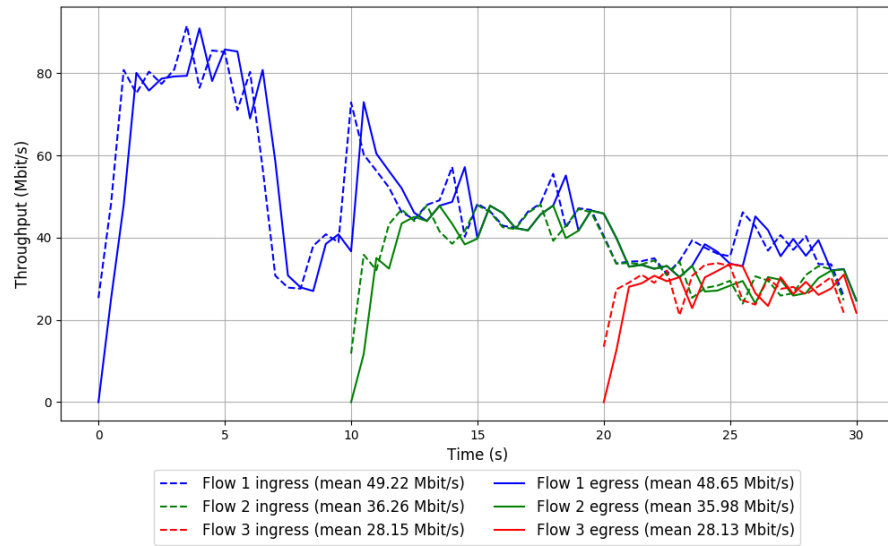


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-06 03:00:30
End at: 2018-06-06 03:01:00
Local clock offset: -4.588 ms
Remote clock offset: -1.615 ms

# Below is generated by plot.py at 2018-06-06 06:05:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 30.461 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 31.307 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 31.357 ms
Loss rate: 0.13%
```

Run 1: Report of PCC-Expr — Data Link

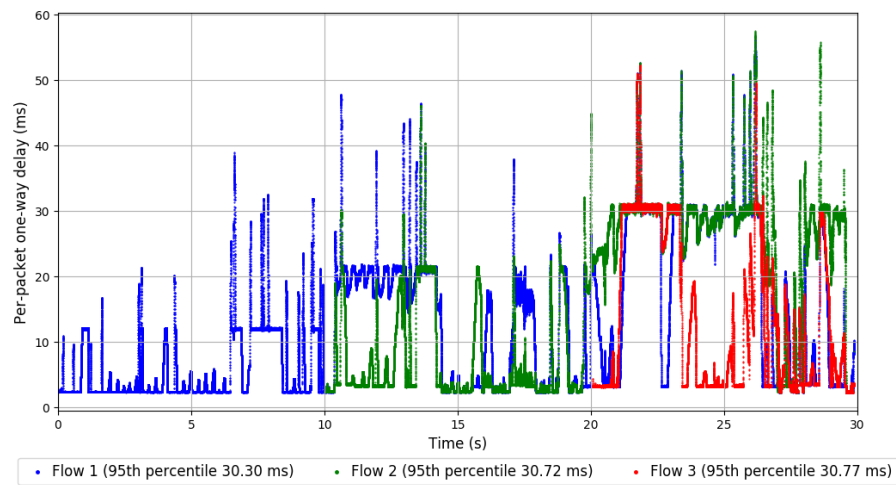
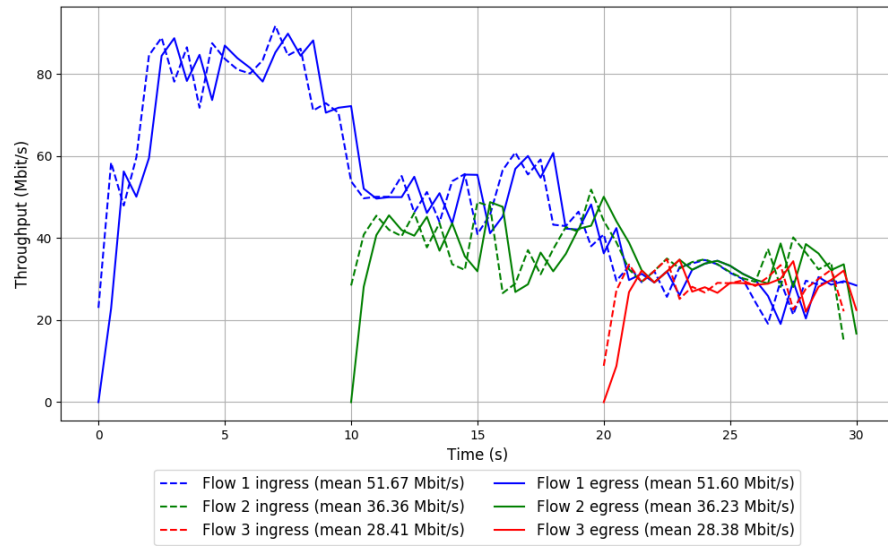


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-06 03:18:28
End at: 2018-06-06 03:18:58
Local clock offset: -5.123 ms
Remote clock offset: -1.445 ms

# Below is generated by plot.py at 2018-06-06 06:05:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 30.560 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.60 Mbit/s
95th percentile per-packet one-way delay: 30.295 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 30.716 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 30.766 ms
Loss rate: 0.16%
```

Run 2: Report of PCC-Expr — Data Link

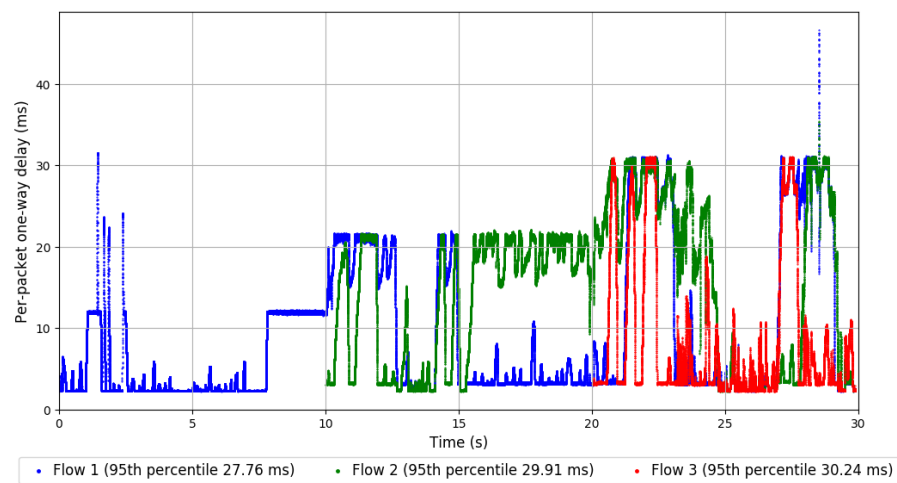
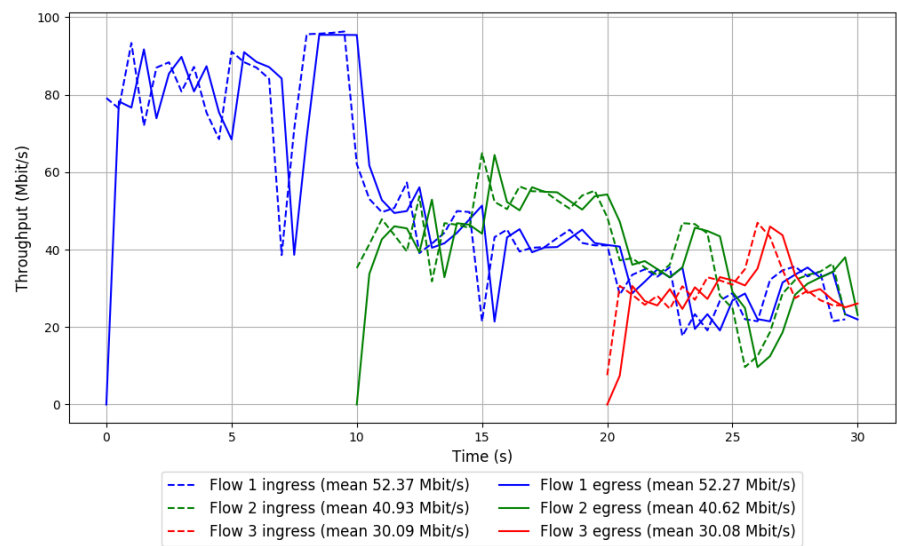


Run 3: Statistics of PCC-Expr

Start at: 2018-06-06 03:36:30
End at: 2018-06-06 03:37:00
Local clock offset: -5.006 ms
Remote clock offset: -2.263 ms

Below is generated by plot.py at 2018-06-06 06:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 29.430 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 52.27 Mbit/s
95th percentile per-packet one-way delay: 27.758 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 29.915 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 30.239 ms
Loss rate: 0.06%

Run 3: Report of PCC-Expr — Data Link

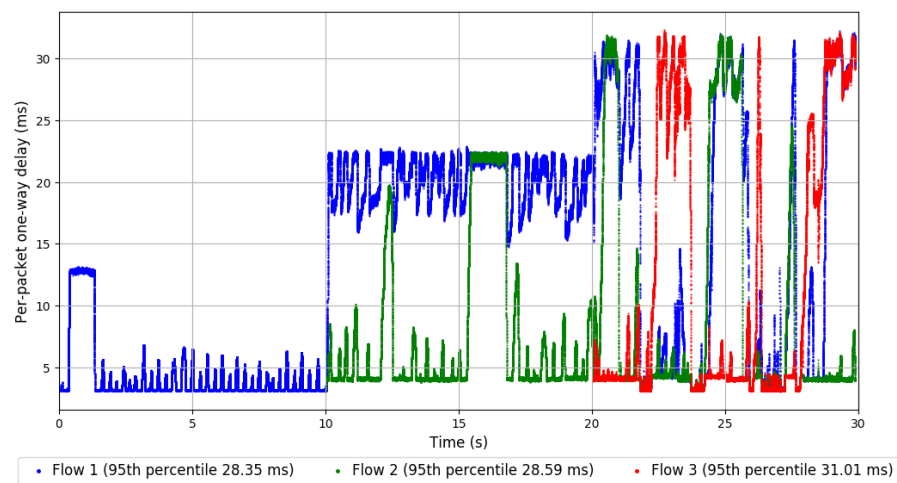
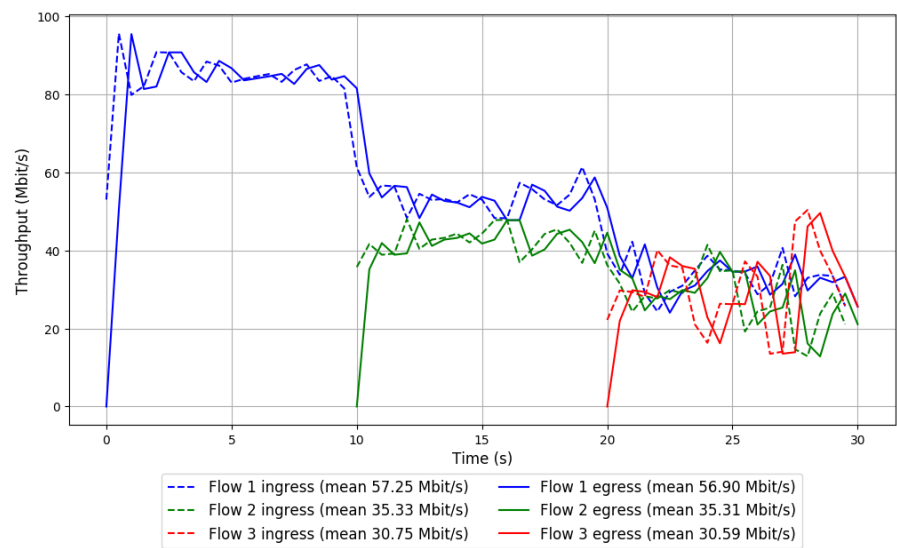


Run 4: Statistics of PCC-Expr

Start at: 2018-06-06 03:54:34
End at: 2018-06-06 03:55:04
Local clock offset: -4.05 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2018-06-06 06:05:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 29.438 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 28.351 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 28.590 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 31.008 ms
Loss rate: 0.58%

Run 4: Report of PCC-Expr — Data Link

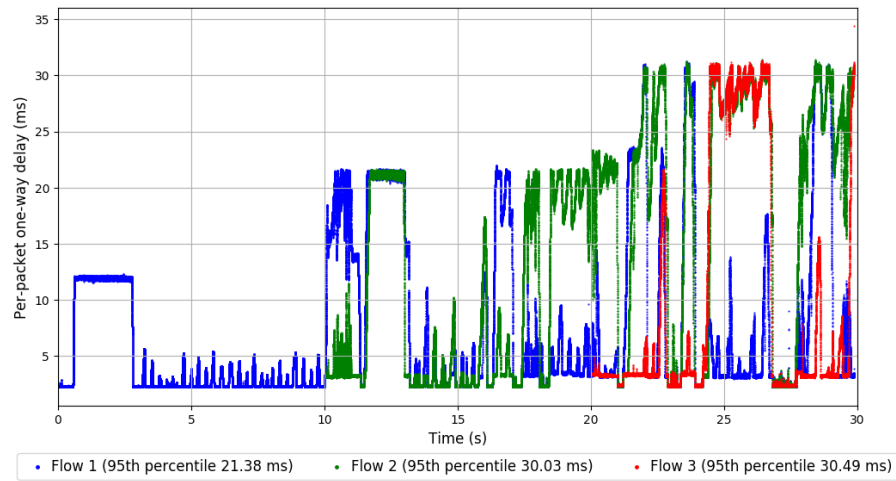
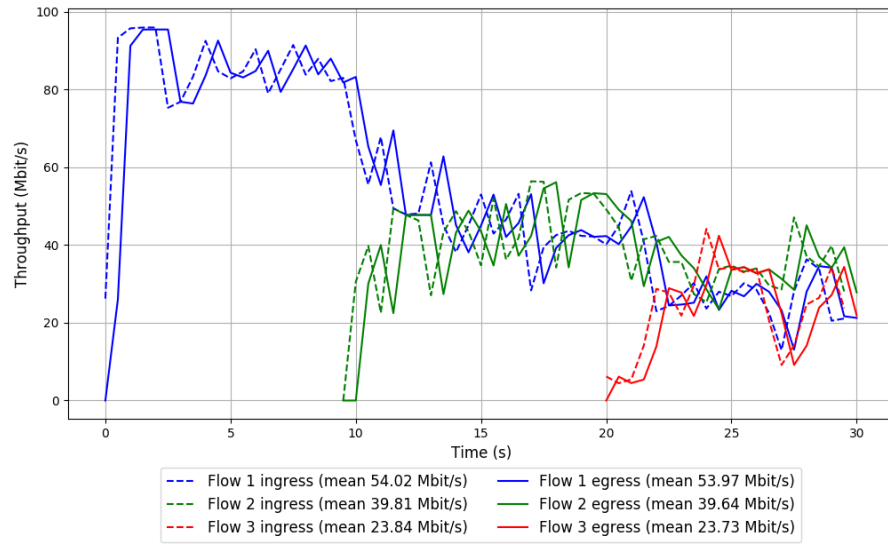


Run 5: Statistics of PCC-Expr

Start at: 2018-06-06 04:12:36
End at: 2018-06-06 04:13:06
Local clock offset: -4.969 ms
Remote clock offset: -2.254 ms

Below is generated by plot.py at 2018-06-06 06:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 21.381 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 30.034 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 30.494 ms
Loss rate: 0.58%

Run 5: Report of PCC-Expr — Data Link

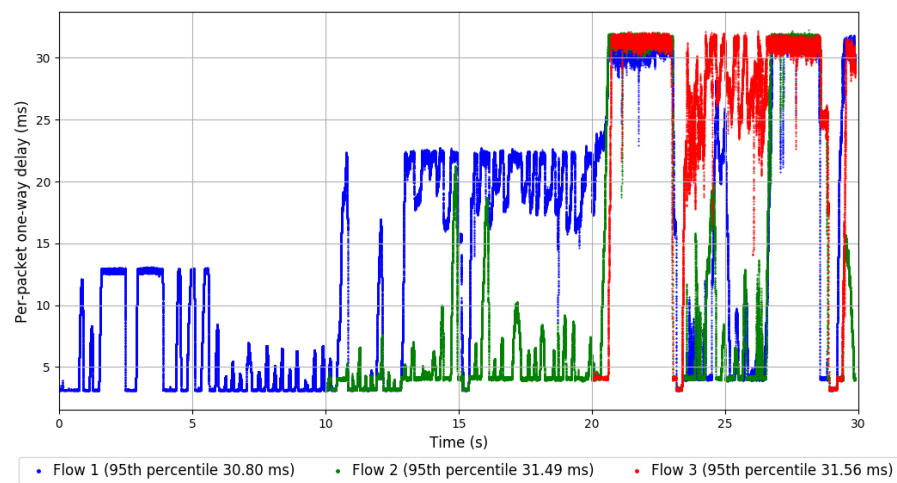
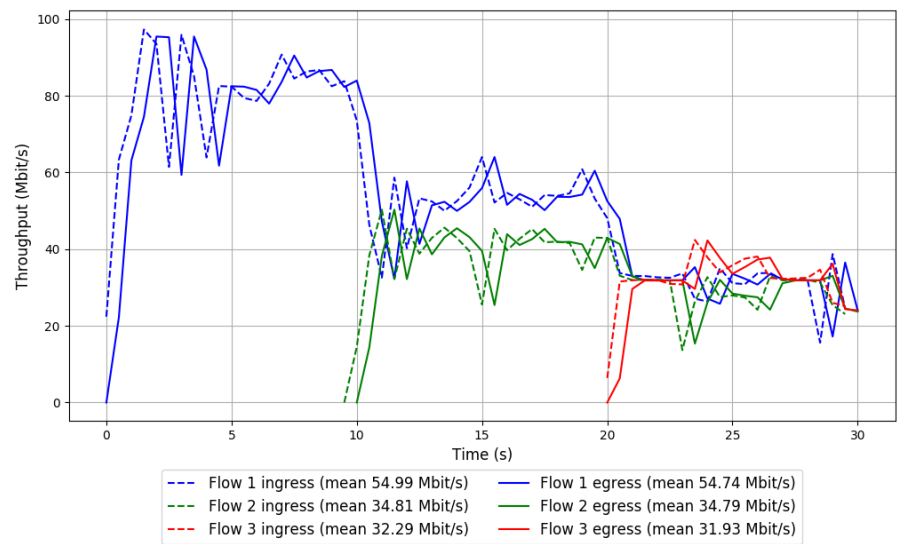


Run 6: Statistics of PCC-Expr

Start at: 2018-06-06 04:30:38
End at: 2018-06-06 04:31:08
Local clock offset: -4.176 ms
Remote clock offset: -2.404 ms

Below is generated by plot.py at 2018-06-06 06:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 31.334 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 30.798 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 31.488 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 31.556 ms
Loss rate: 1.15%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-06 04:48:39

End at: 2018-06-06 04:49:09

Local clock offset: -5.167 ms

Remote clock offset: -2.6 ms

Below is generated by plot.py at 2018-06-06 06:05:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.41 Mbit/s

95th percentile per-packet one-way delay: 29.989 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 21.310 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 30.362 ms

Loss rate: 0.48%

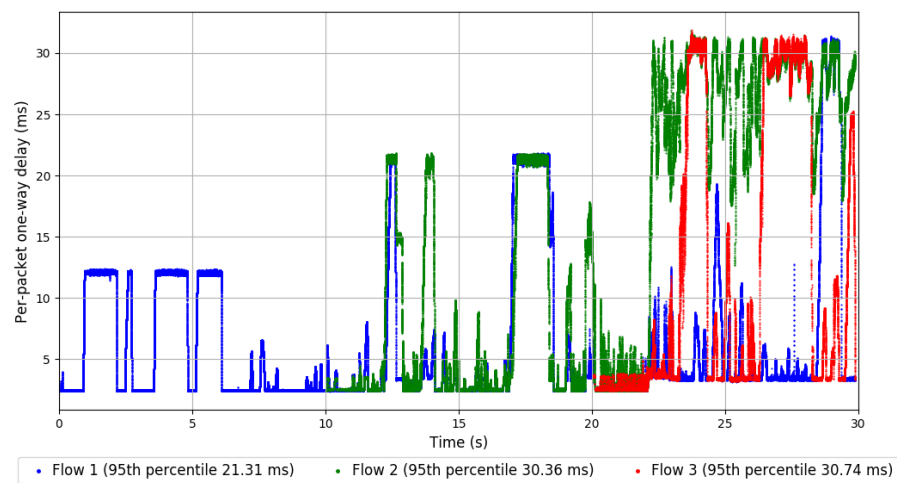
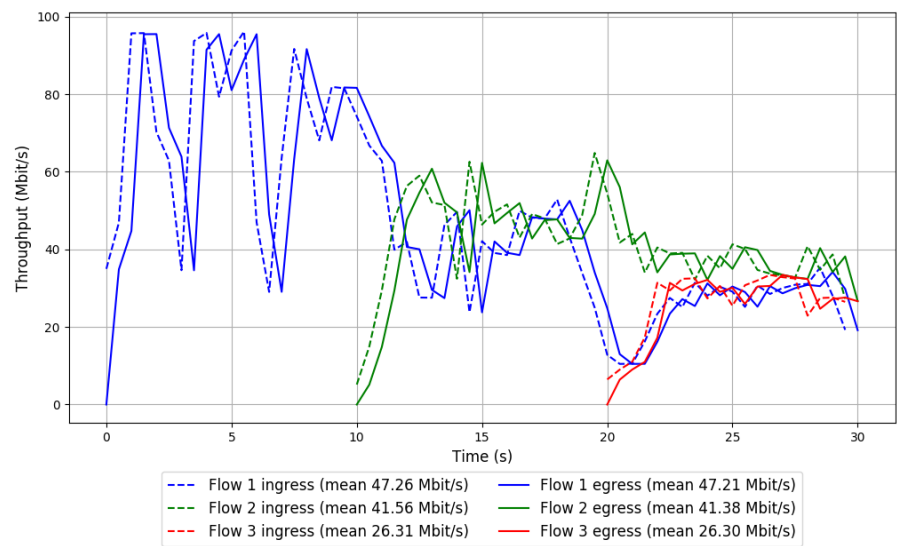
-- Flow 3:

Average throughput: 26.30 Mbit/s

95th percentile per-packet one-way delay: 30.740 ms

Loss rate: 0.10%

Run 7: Report of PCC-Expr — Data Link

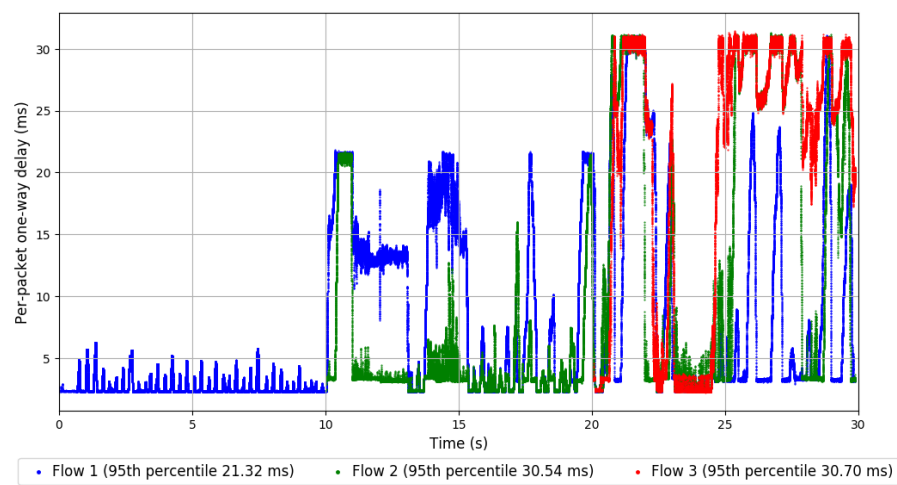
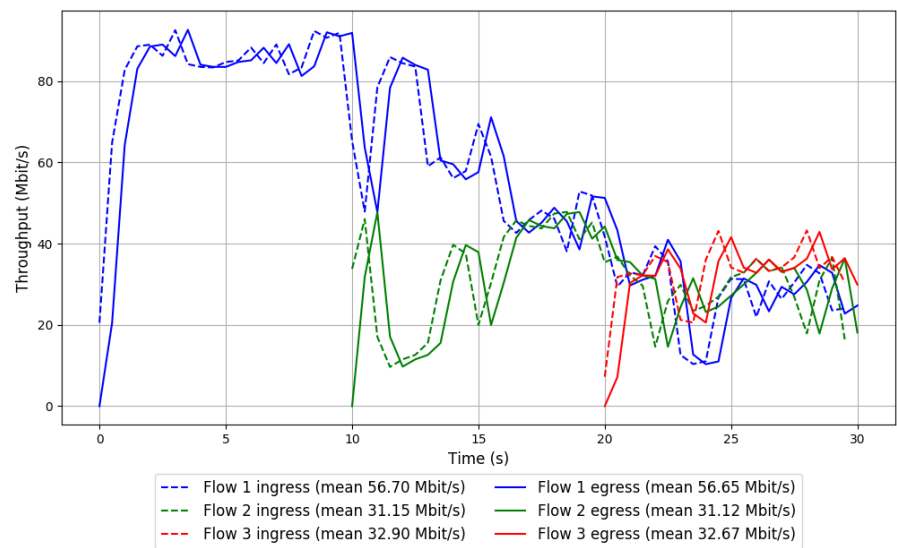


Run 8: Statistics of PCC-Expr

Start at: 2018-06-06 05:06:39
End at: 2018-06-06 05:07:09
Local clock offset: -5.184 ms
Remote clock offset: -2.534 ms

Below is generated by plot.py at 2018-06-06 06:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 30.334 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 21.321 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 30.538 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 30.699 ms
Loss rate: 0.74%

Run 8: Report of PCC-Expr — Data Link

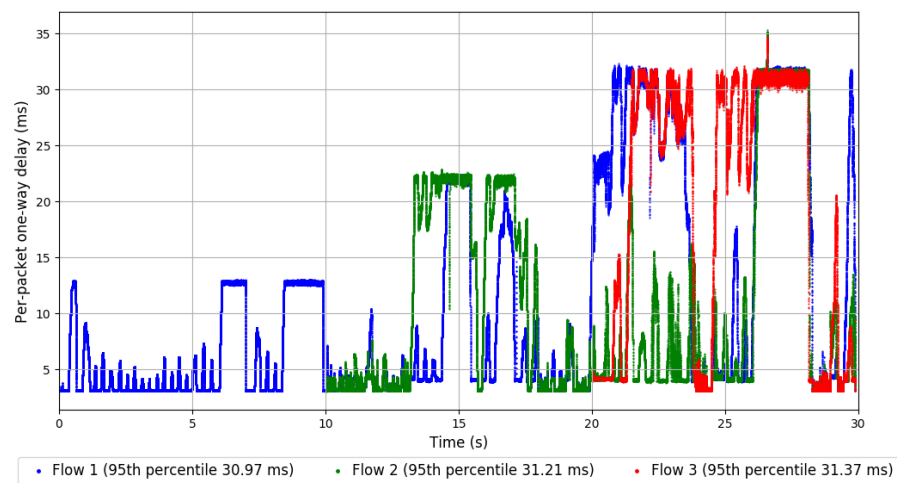
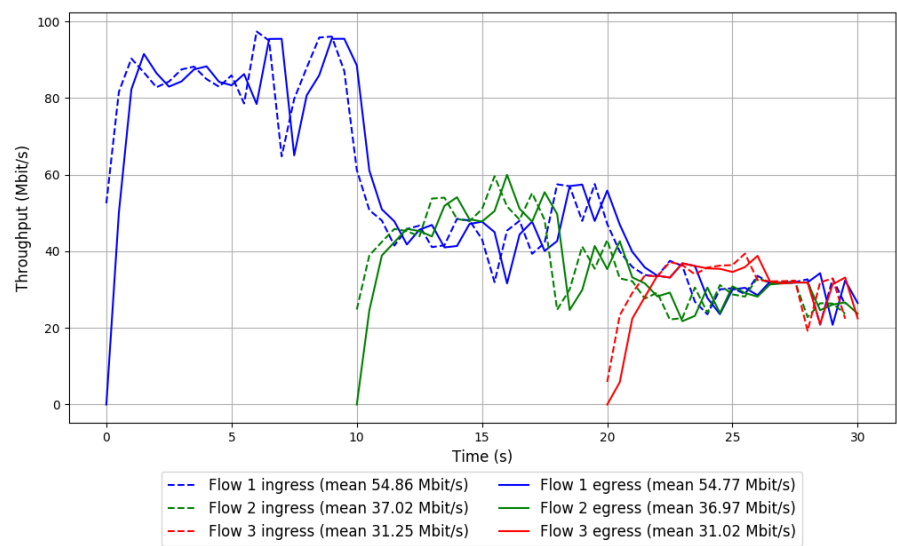


Run 9: Statistics of PCC-Expr

Start at: 2018-06-06 05:24:41
End at: 2018-06-06 05:25:11
Local clock offset: -4.294 ms
Remote clock offset: -2.576 ms

Below is generated by plot.py at 2018-06-06 06:07:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 31.190 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 30.968 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 31.371 ms
Loss rate: 0.77%

Run 9: Report of PCC-Expr — Data Link

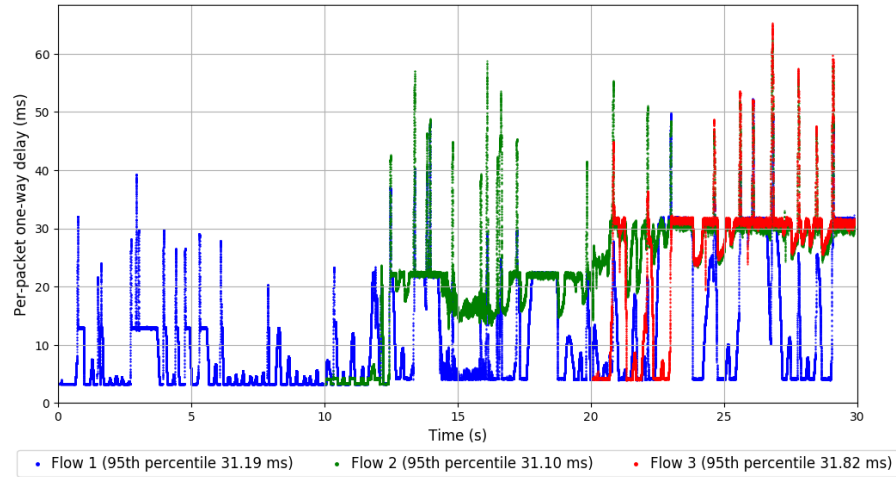
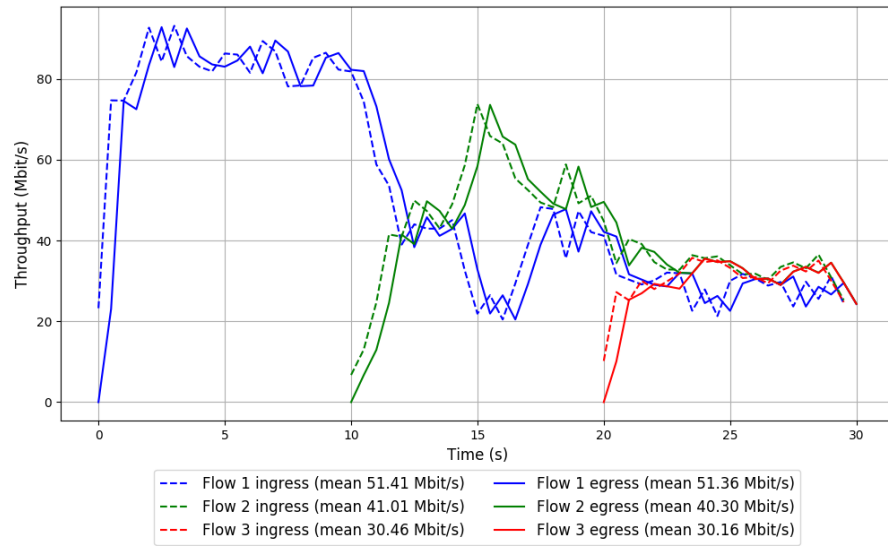


Run 10: Statistics of PCC-Expr

Start at: 2018-06-06 05:42:44
End at: 2018-06-06 05:43:14
Local clock offset: -4.359 ms
Remote clock offset: -2.857 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 31.400 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 31.193 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 31.102 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 31.820 ms
Loss rate: 1.02%

Run 10: Report of PCC-Expr — Data Link

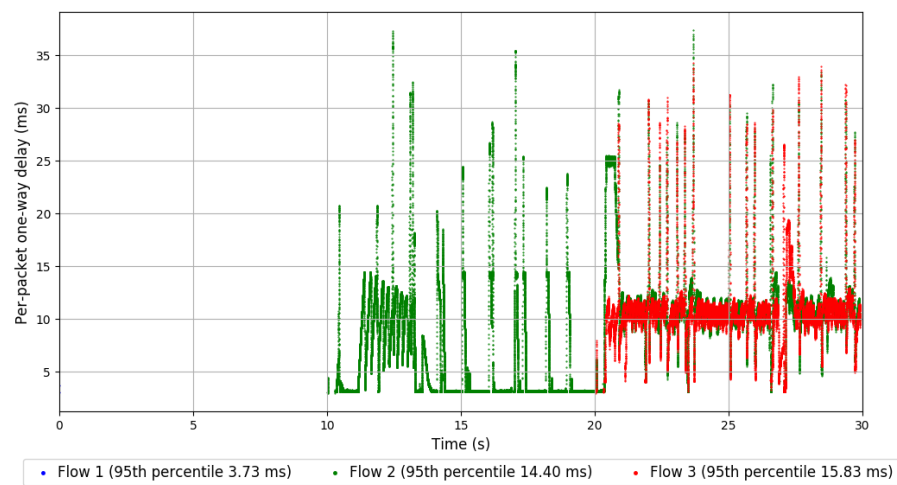
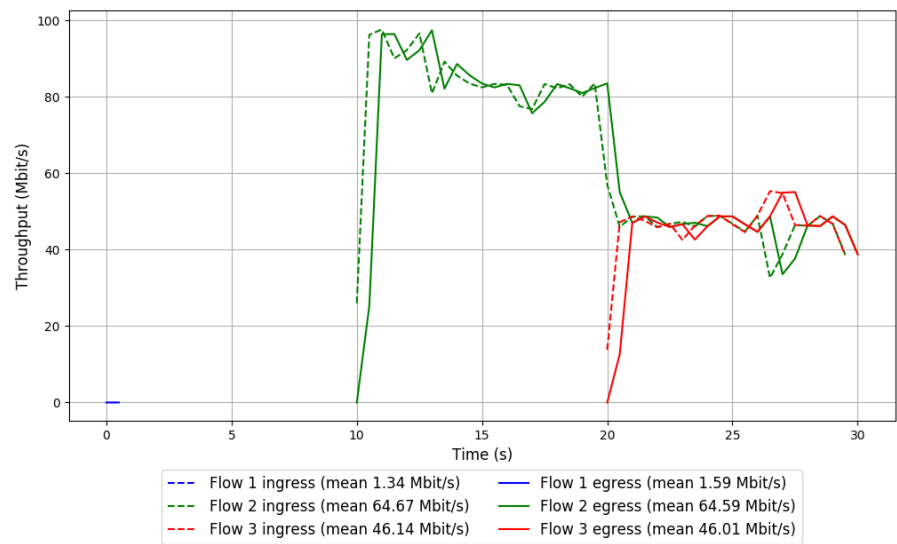


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-06 02:58:20
End at: 2018-06-06 02:58:50
Local clock offset: -4.581 ms
Remote clock offset: -1.645 ms

# Below is generated by plot.py at 2018-06-06 06:07:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 14.419 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 3.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 14.398 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 46.01 Mbit/s
95th percentile per-packet one-way delay: 15.829 ms
Loss rate: 0.31%
```


Run 1: Report of QUIC Cubic — Data Link

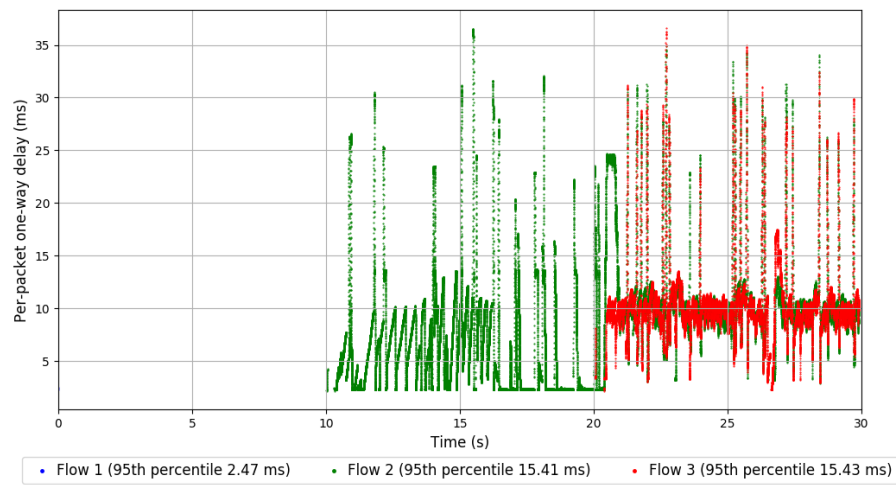
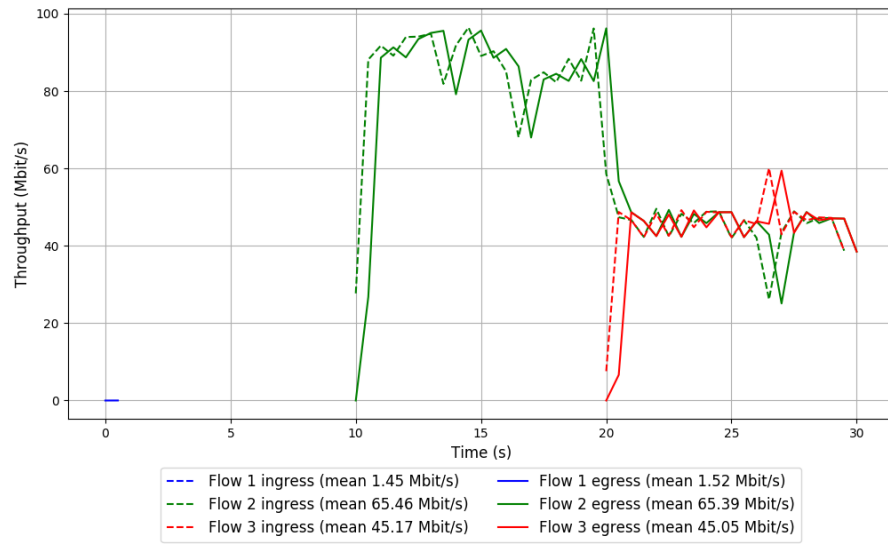


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-06 03:16:18
End at: 2018-06-06 03:16:48
Local clock offset: -5.147 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 15.418 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.39 Mbit/s
95th percentile per-packet one-way delay: 15.414 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 15.426 ms
Loss rate: 0.30%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-06 03:34:19

End at: 2018-06-06 03:34:49

Local clock offset: -4.262 ms

Remote clock offset: -2.28 ms

Below is generated by plot.py at 2018-06-06 06:07:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.52 Mbit/s

95th percentile per-packet one-way delay: 17.852 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 52.43 Mbit/s

95th percentile per-packet one-way delay: 17.588 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 17.808 ms

Loss rate: 0.35%

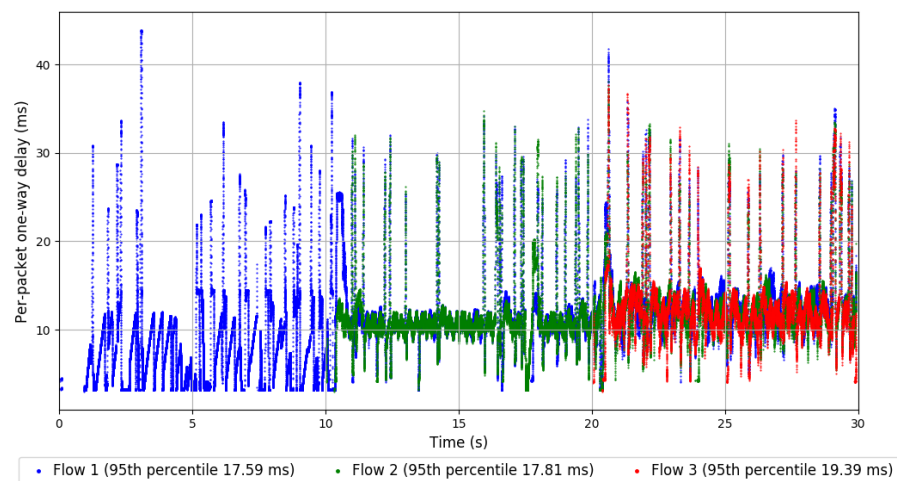
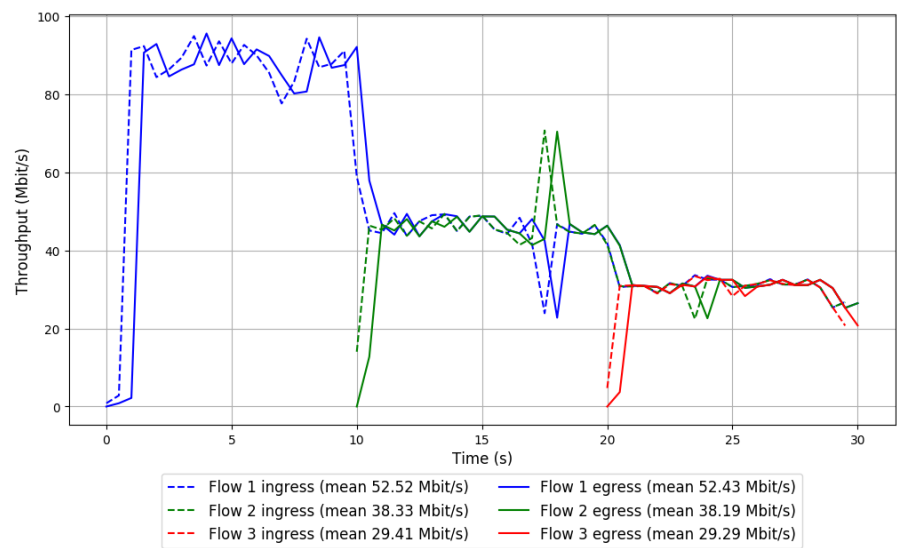
-- Flow 3:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 19.392 ms

Loss rate: 0.45%

Run 3: Report of QUIC Cubic — Data Link

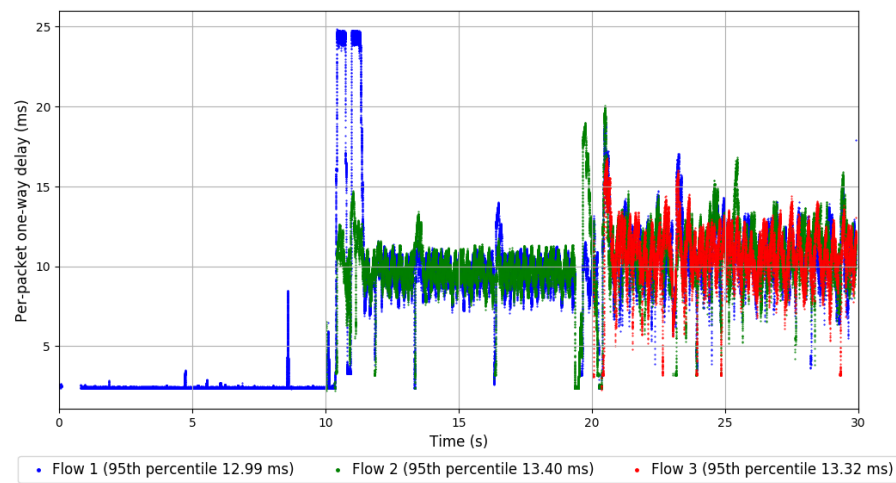
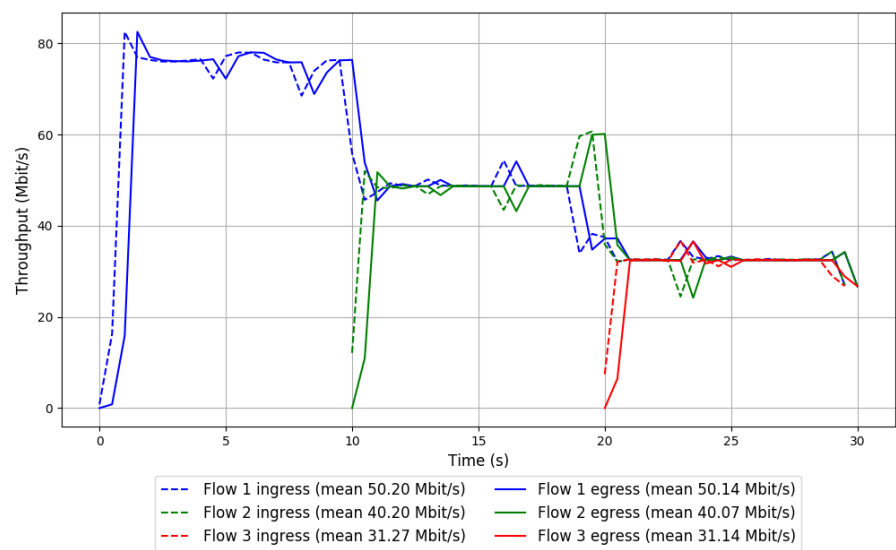


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-06 03:52:23
End at: 2018-06-06 03:52:53
Local clock offset: -4.835 ms
Remote clock offset: -2.328 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 13.229 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 12.991 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 13.402 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 13.323 ms
Loss rate: 0.46%

Run 4: Report of QUIC Cubic — Data Link

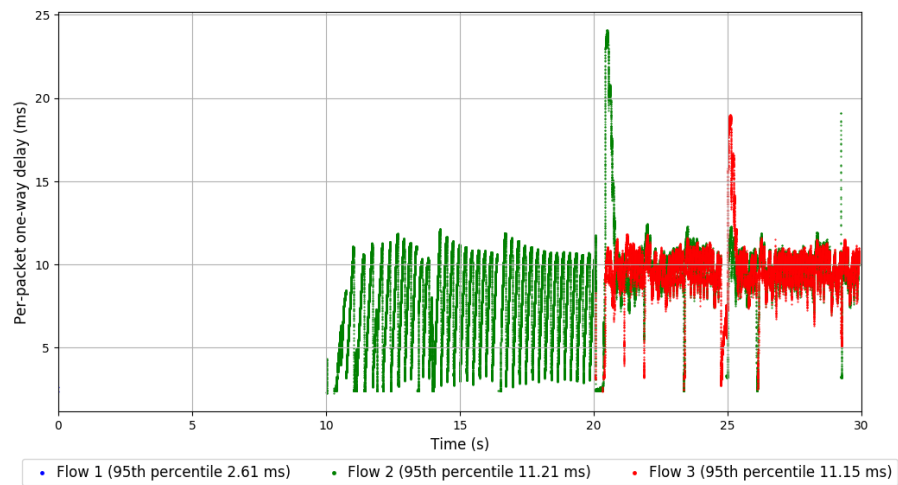
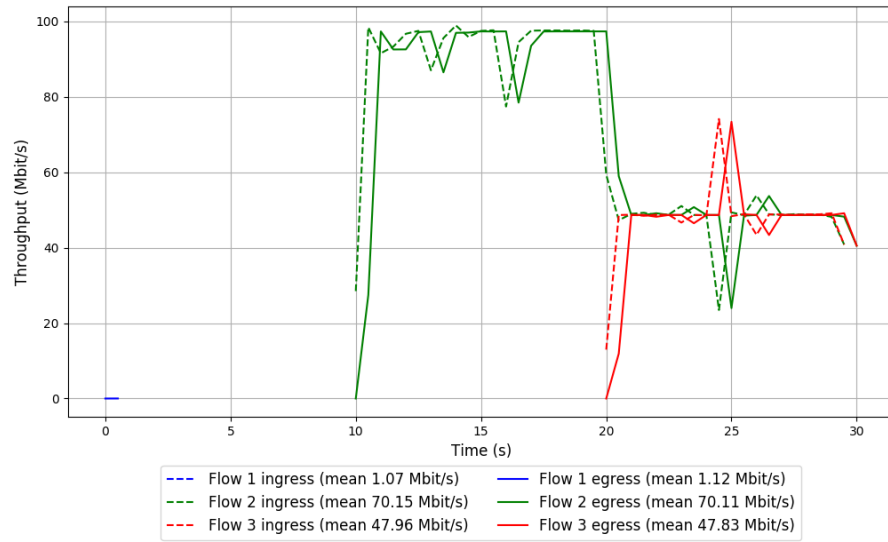


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-06 04:10:26
End at: 2018-06-06 04:10:56
Local clock offset: -4.884 ms
Remote clock offset: -2.293 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 11.201 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.11 Mbit/s
95th percentile per-packet one-way delay: 11.215 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 11.146 ms
Loss rate: 0.31%

Run 5: Report of QUIC Cubic — Data Link

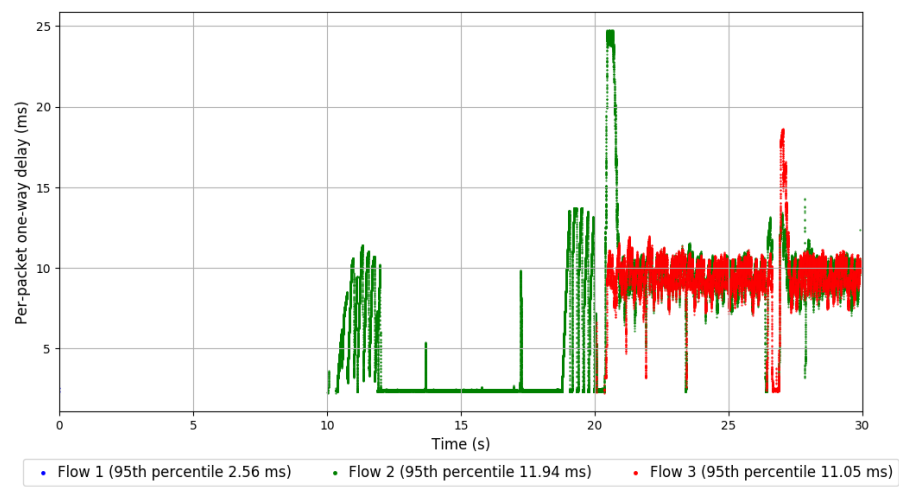
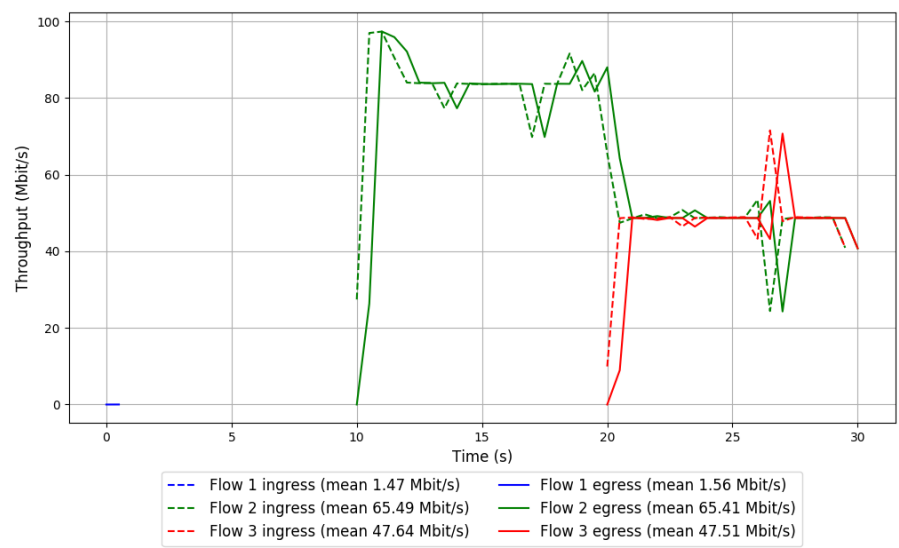


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-06 04:28:28
End at: 2018-06-06 04:28:58
Local clock offset: -4.947 ms
Remote clock offset: -2.345 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 11.615 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 11.938 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 11.050 ms
Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link

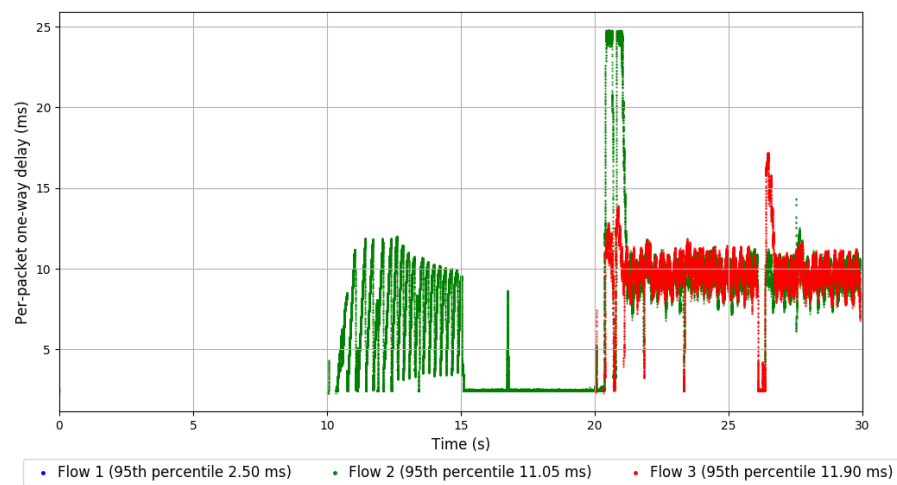
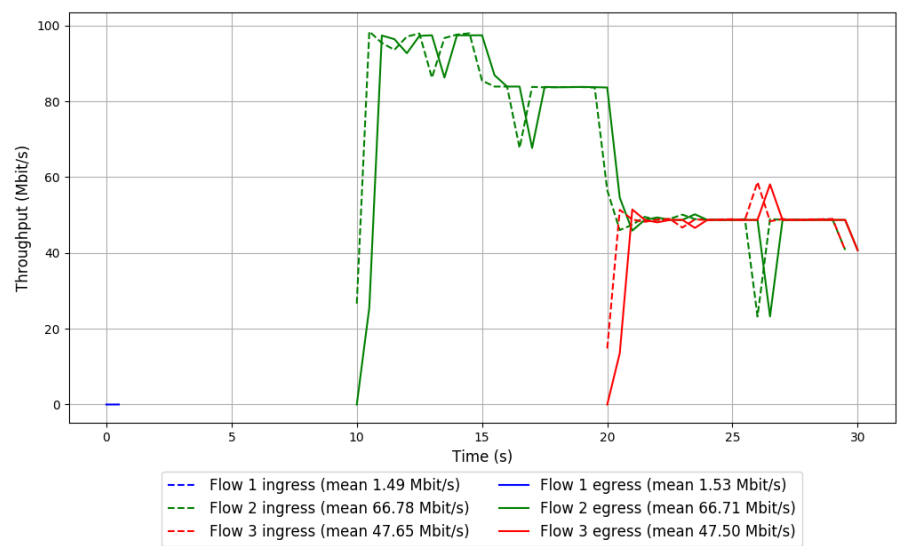


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-06 04:46:29
End at: 2018-06-06 04:46:59
Local clock offset: -5.155 ms
Remote clock offset: -2.553 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 11.297 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.71 Mbit/s
95th percentile per-packet one-way delay: 11.055 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 11.904 ms
Loss rate: 0.35%

Run 7: Report of QUIC Cubic — Data Link

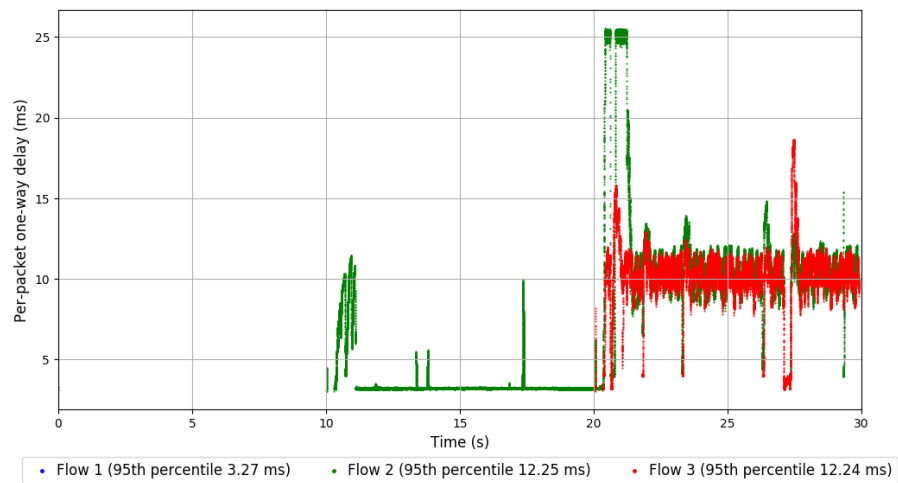
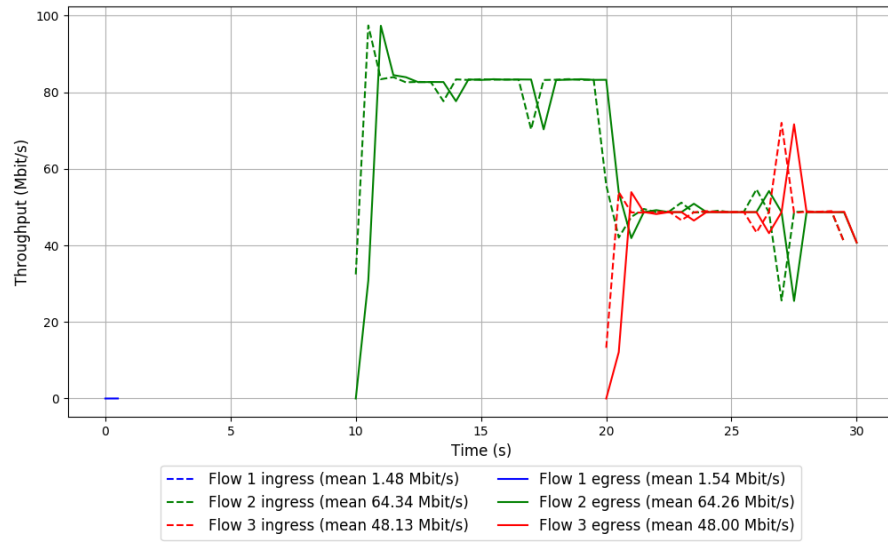


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-06 05:04:29
End at: 2018-06-06 05:04:59
Local clock offset: -4.454 ms
Remote clock offset: -2.579 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 12.251 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 12.254 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 12.241 ms
Loss rate: 0.30%

Run 8: Report of QUIC Cubic — Data Link

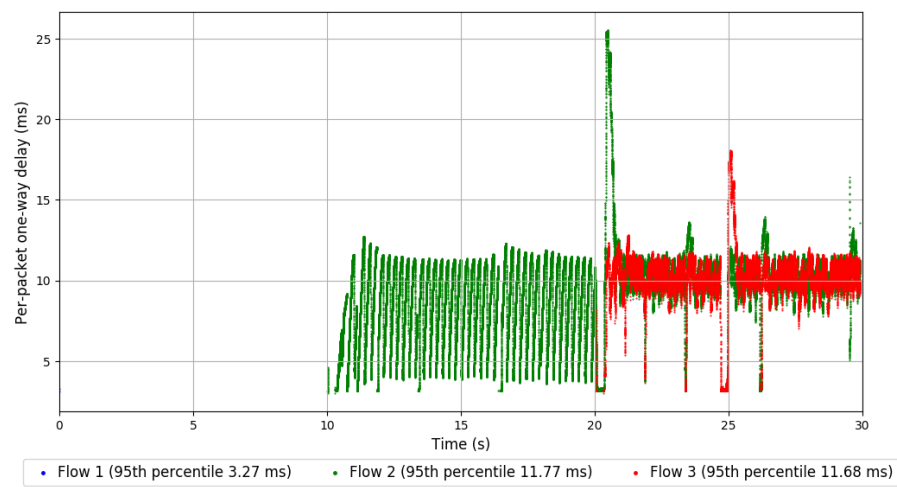
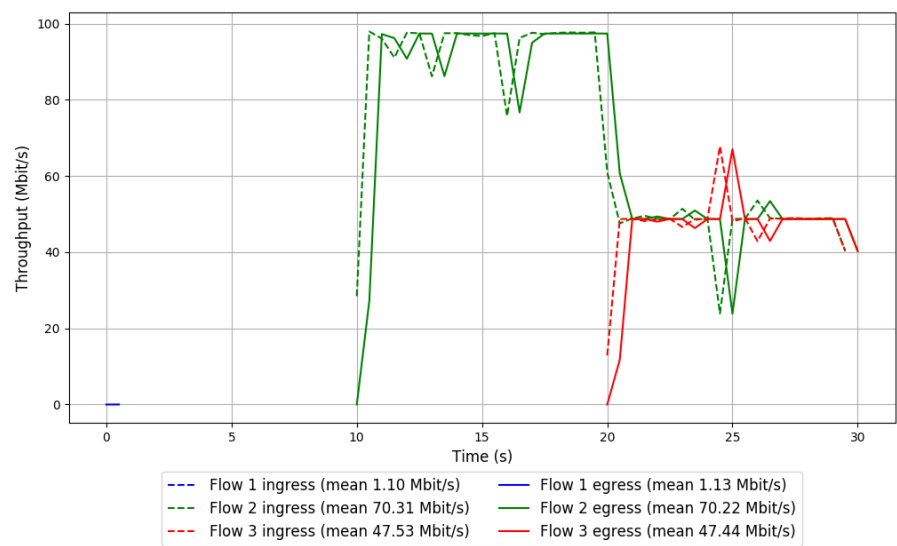


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-06 05:22:31
End at: 2018-06-06 05:23:01
Local clock offset: -4.313 ms
Remote clock offset: -2.626 ms

Below is generated by plot.py at 2018-06-06 06:07:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.41 Mbit/s
95th percentile per-packet one-way delay: 11.748 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 11.770 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 11.675 ms
Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link

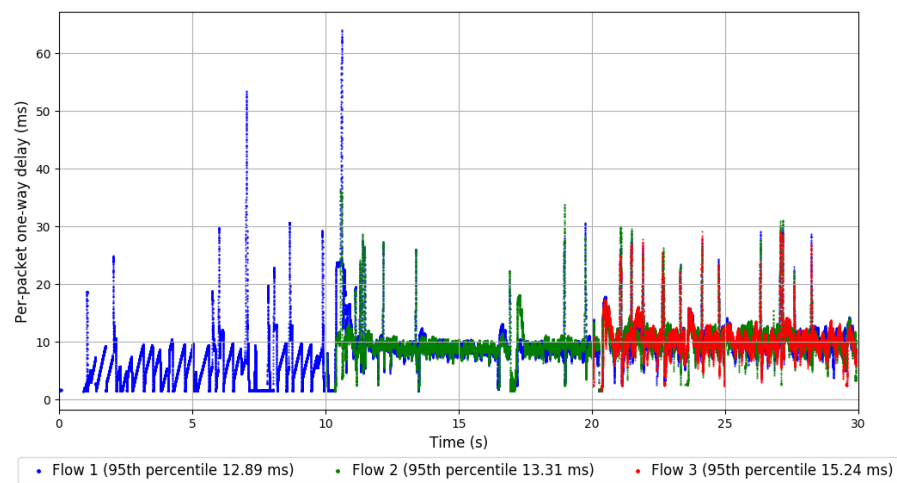
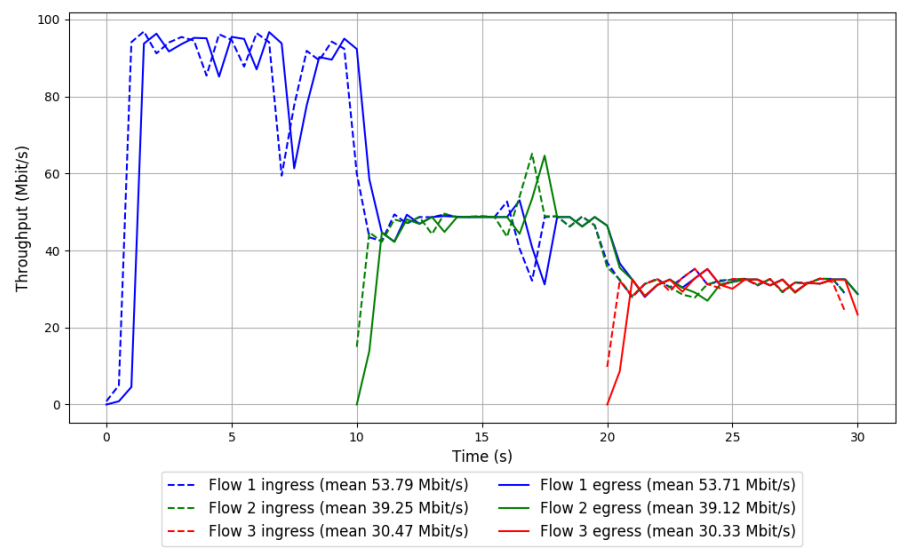


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-06 05:40:33
End at: 2018-06-06 05:41:03
Local clock offset: -5.888 ms
Remote clock offset: -2.704 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 13.469 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 12.893 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 13.306 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 15.243 ms
Loss rate: 0.50%

Run 10: Report of QUIC Cubic — Data Link

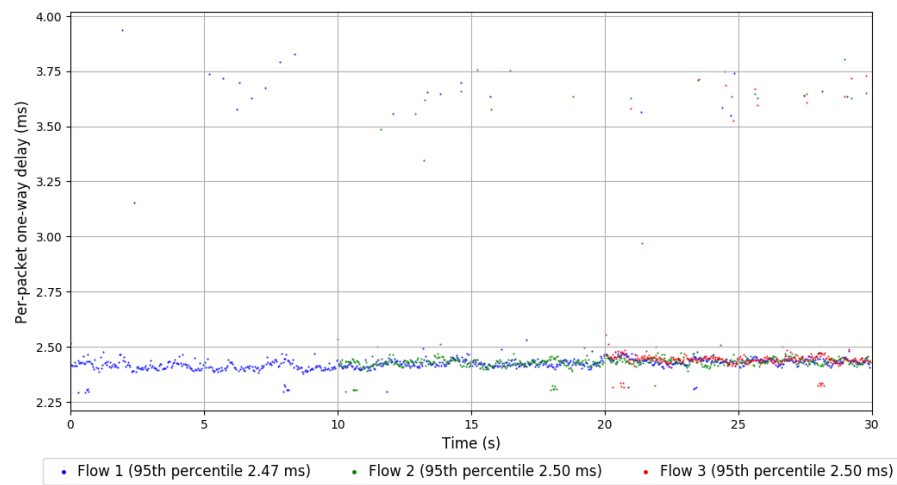
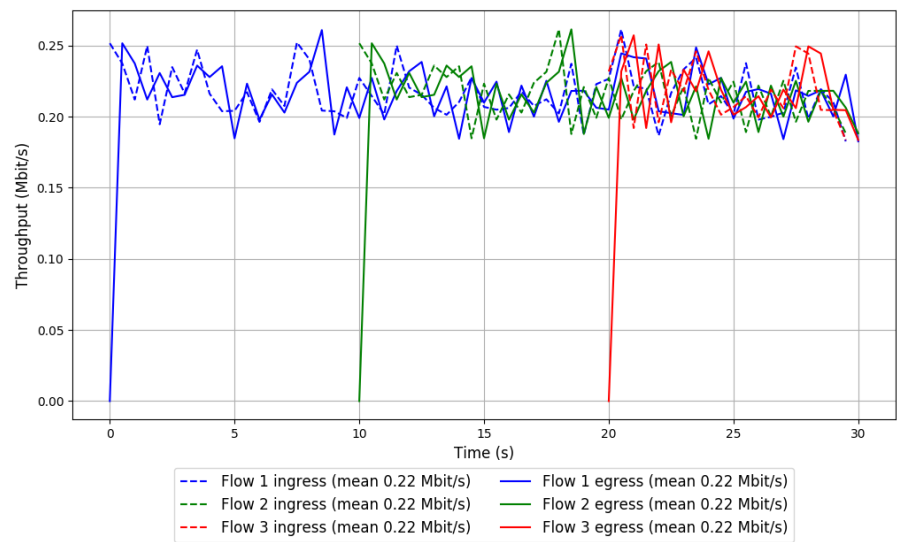


```
Run 1: Statistics of SReAM

Start at: 2018-06-06 02:57:16
End at: 2018-06-06 02:57:46
Local clock offset: -5.345 ms
Remote clock offset: -1.789 ms

# Below is generated by plot.py at 2018-06-06 06:08:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

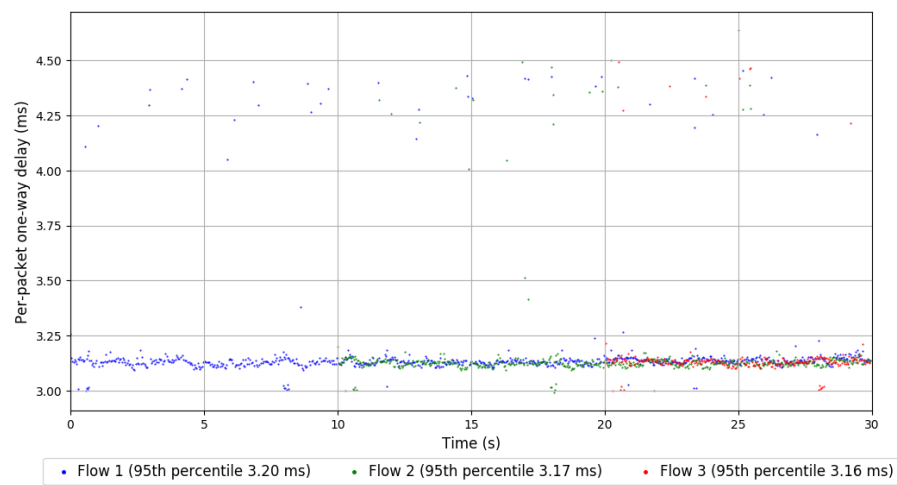
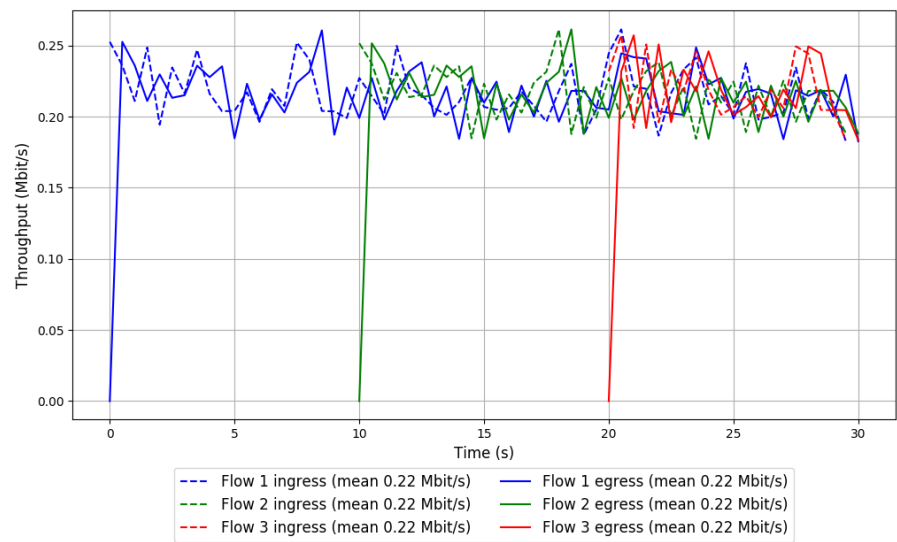


```
Run 2: Statistics of SReAM

Start at: 2018-06-06 03:15:15
End at: 2018-06-06 03:15:45
Local clock offset: -4.441 ms
Remote clock offset: -1.2 ms

# Below is generated by plot.py at 2018-06-06 06:08:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.164 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

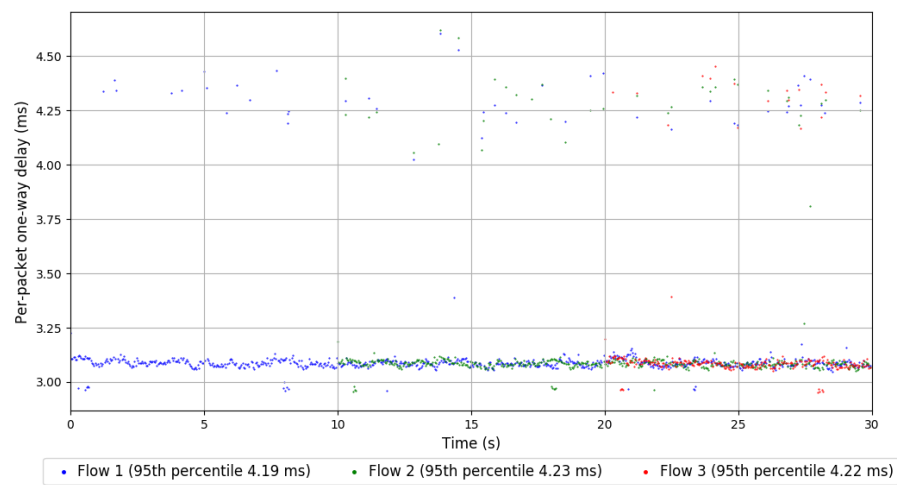
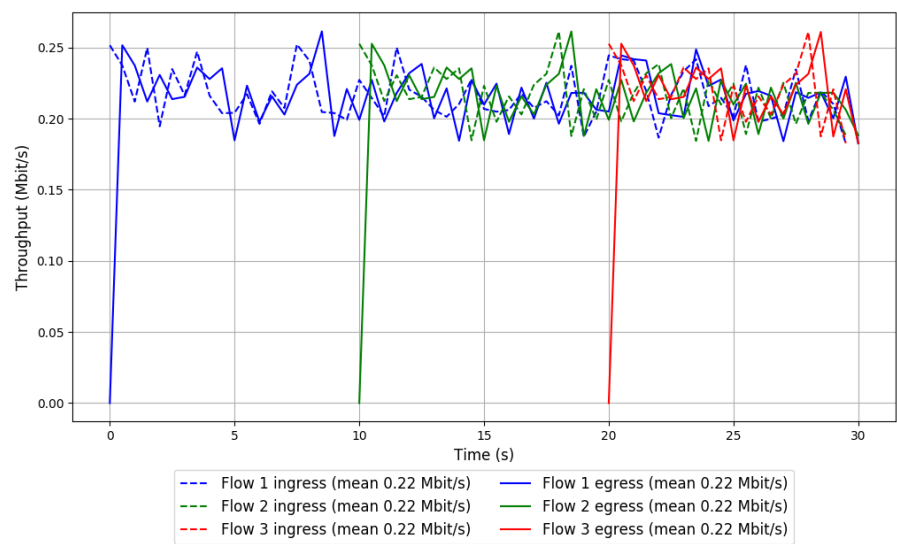


Run 3: Statistics of SReAM

Start at: 2018-06-06 03:33:16
End at: 2018-06-06 03:33:46
Local clock offset: -4.265 ms
Remote clock offset: -2.215 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.221 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

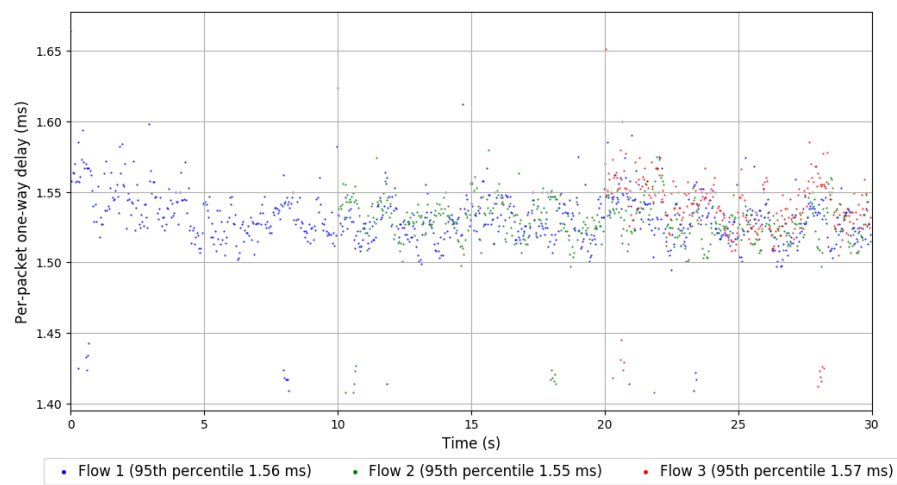
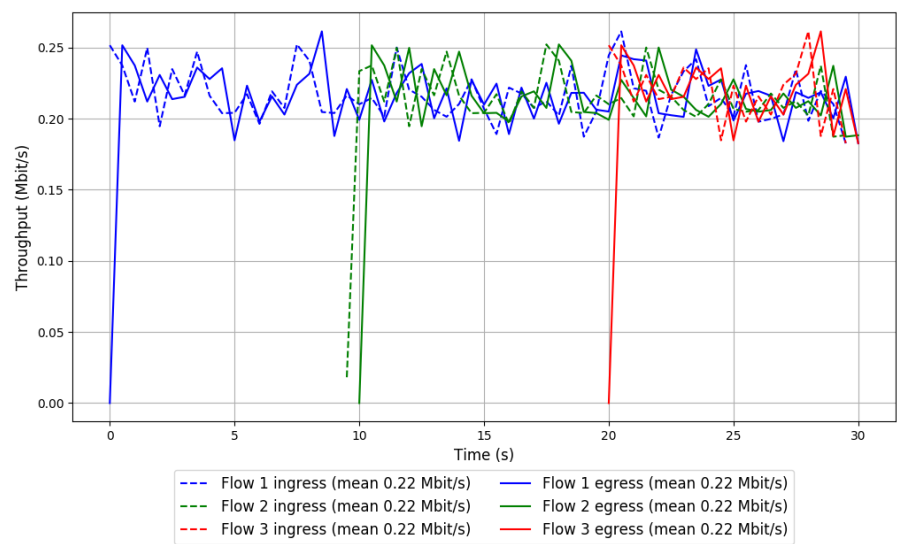


Run 4: Statistics of SReAM

Start at: 2018-06-06 03:51:19
End at: 2018-06-06 03:51:49
Local clock offset: -5.602 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

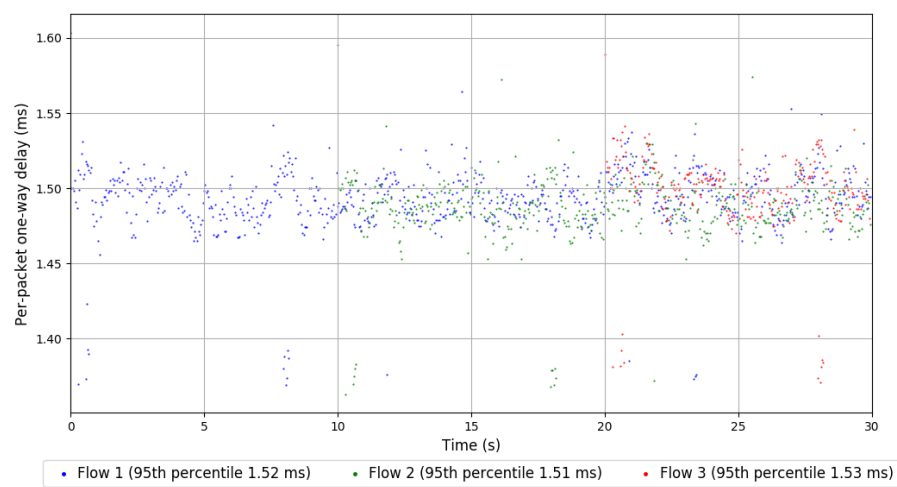
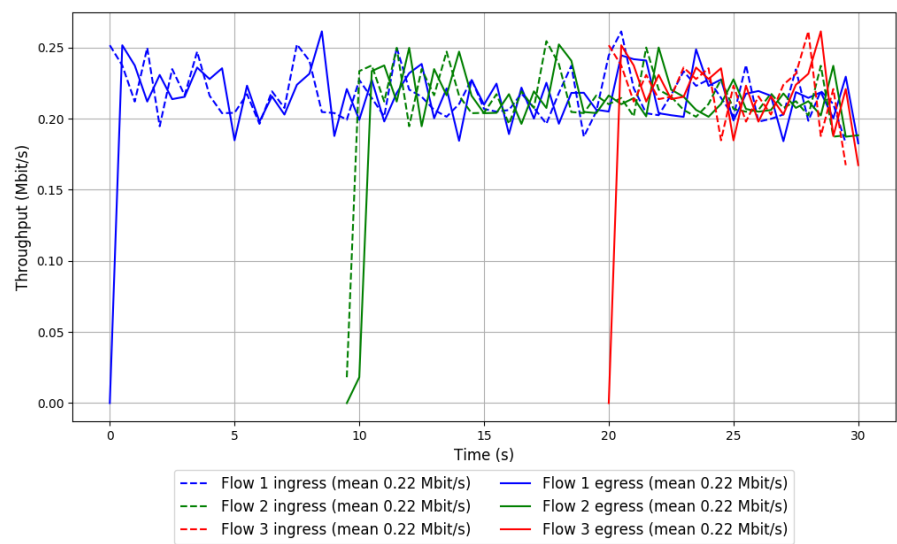


Run 5: Statistics of SReAM

Start at: 2018-06-06 04:09:22
End at: 2018-06-06 04:09:52
Local clock offset: -5.698 ms
Remote clock offset: -2.236 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.530 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

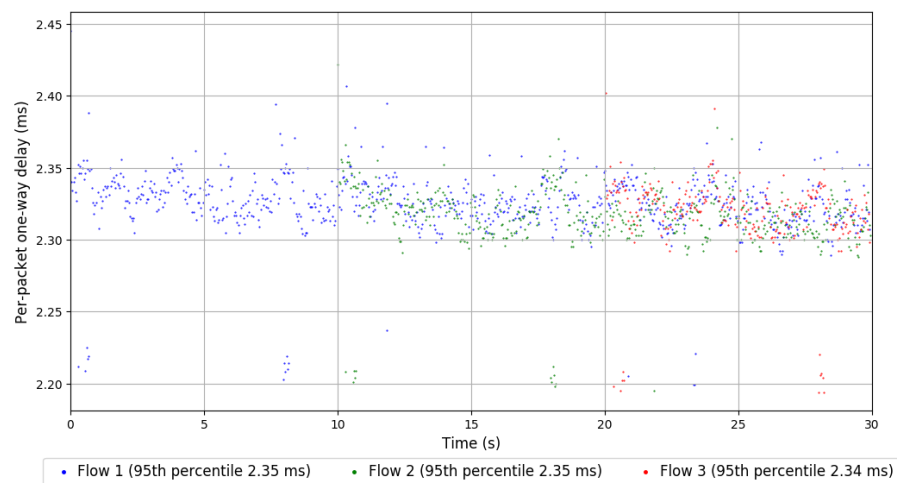
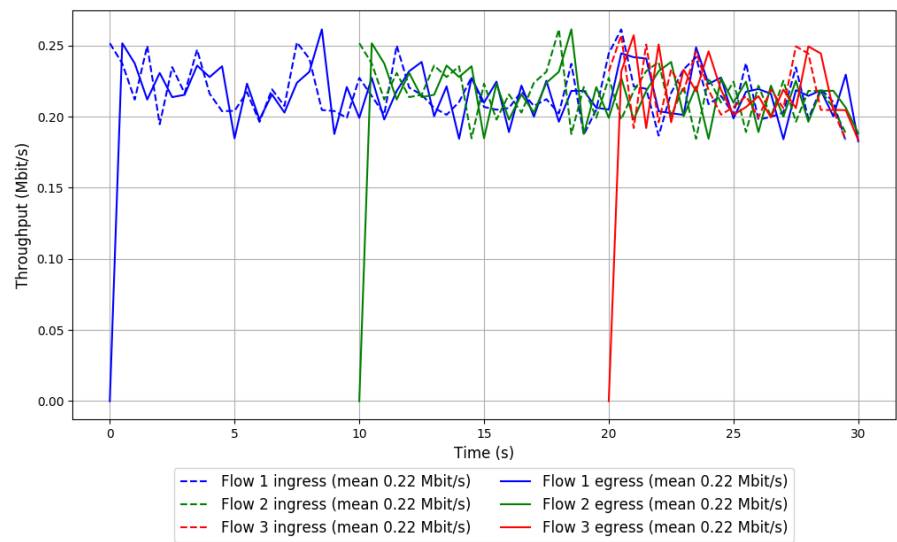


Run 6: Statistics of SReAM

Start at: 2018-06-06 04:27:24
End at: 2018-06-06 04:27:54
Local clock offset: -4.955 ms
Remote clock offset: -2.303 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

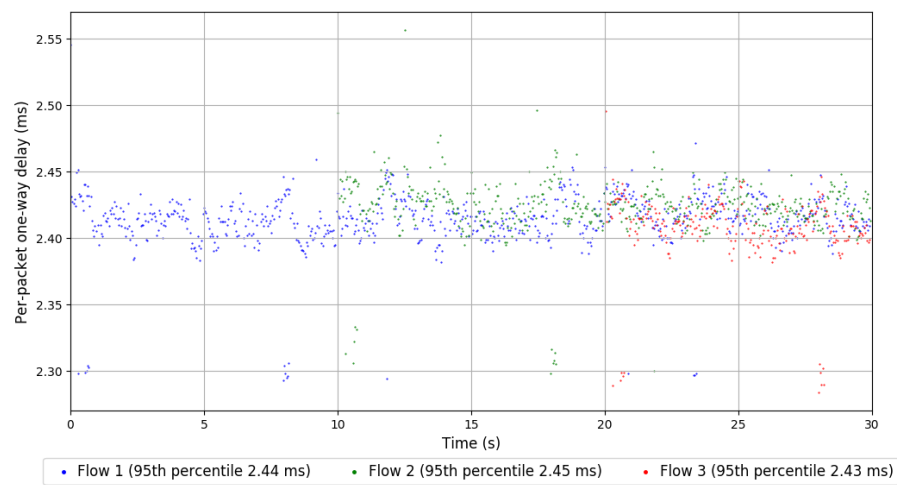
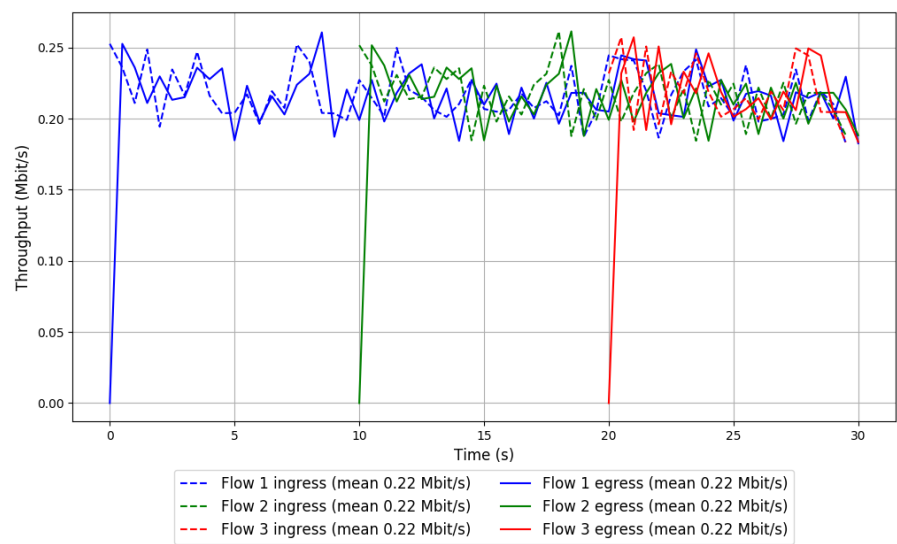


Run 7: Statistics of SReAM

Start at: 2018-06-06 04:45:25
End at: 2018-06-06 04:45:55
Local clock offset: -5.136 ms
Remote clock offset: -2.569 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

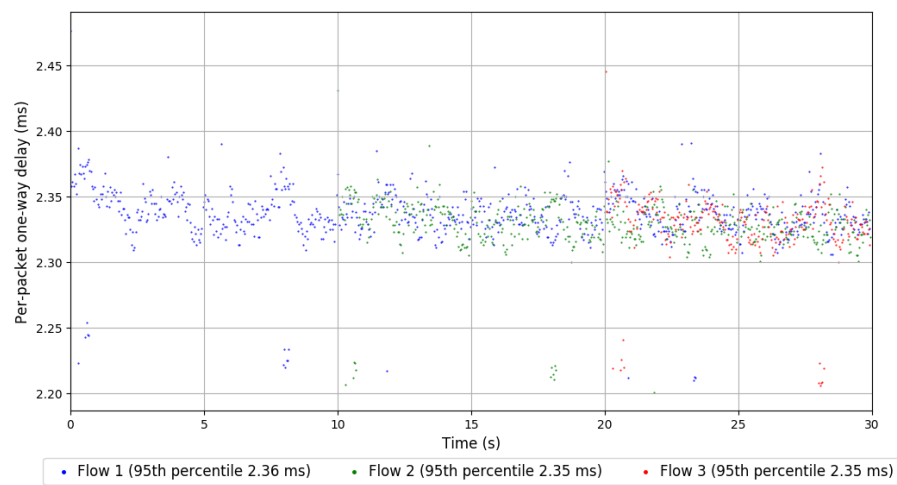
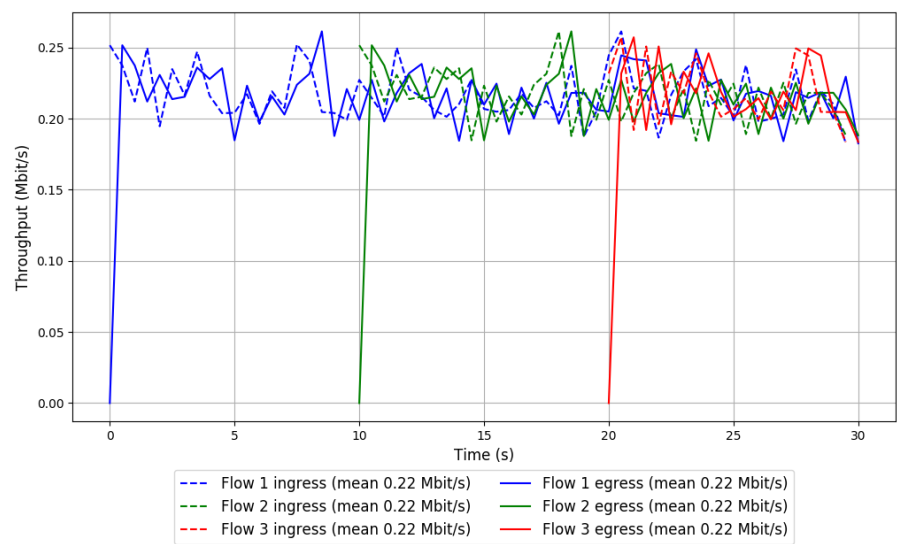


Run 8: Statistics of SReAM

Start at: 2018-06-06 05:03:25
End at: 2018-06-06 05:03:55
Local clock offset: -5.297 ms
Remote clock offset: -2.605 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.355 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

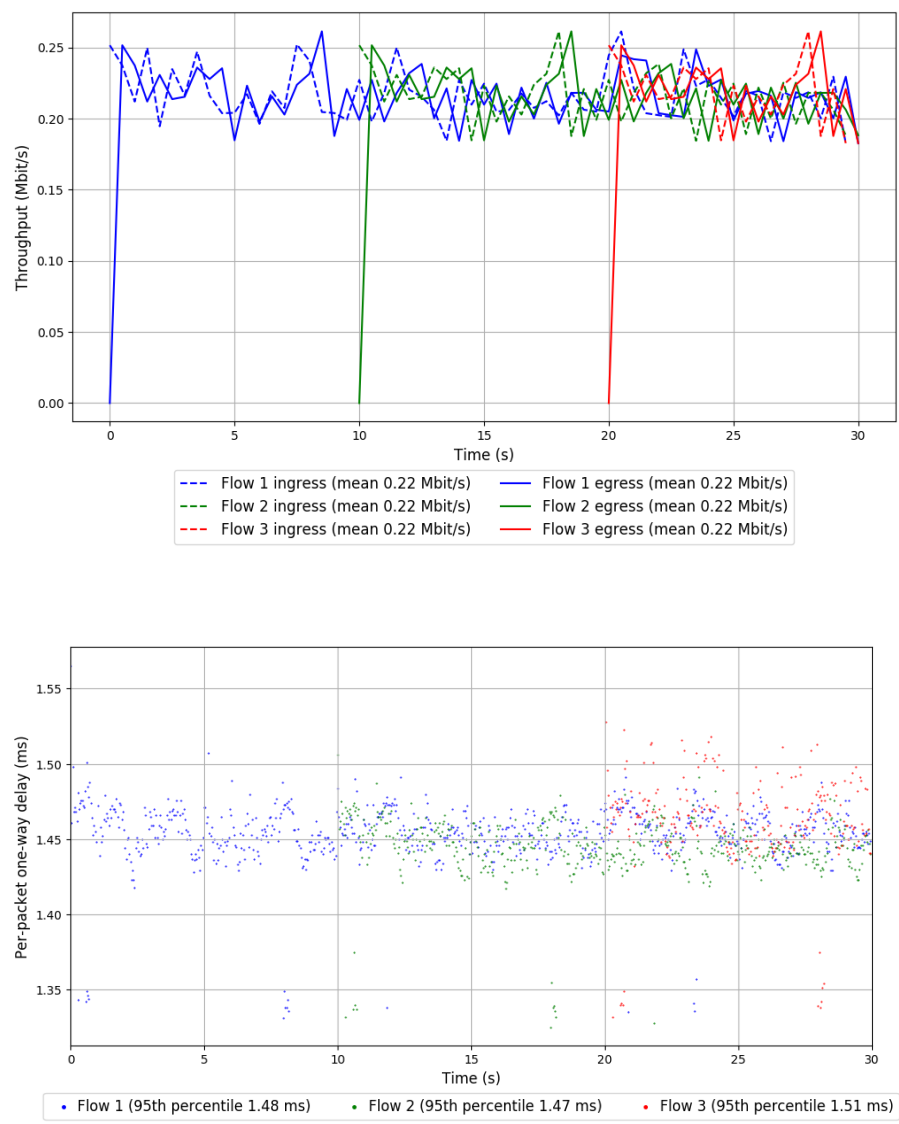


Run 9: Statistics of SReAM

Start at: 2018-06-06 05:21:27
End at: 2018-06-06 05:21:57
Local clock offset: -5.912 ms
Remote clock offset: -2.545 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.506 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

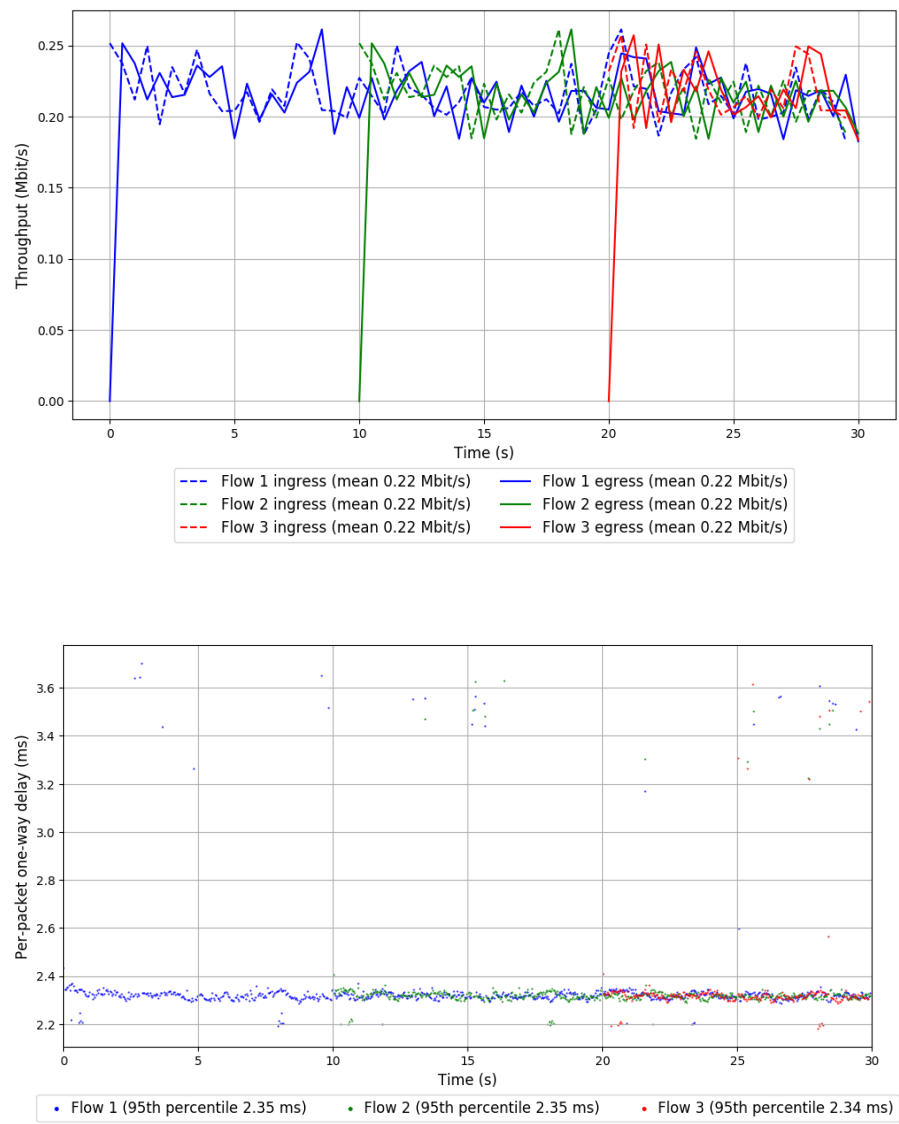


Run 10: Statistics of SReAM

Start at: 2018-06-06 05:39:29
End at: 2018-06-06 05:39:59
Local clock offset: -5.108 ms
Remote clock offset: -2.688 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.344 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link

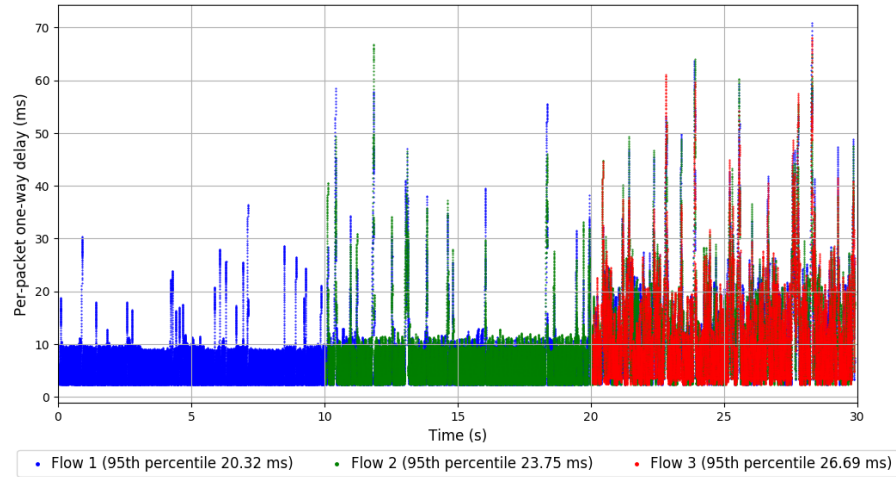
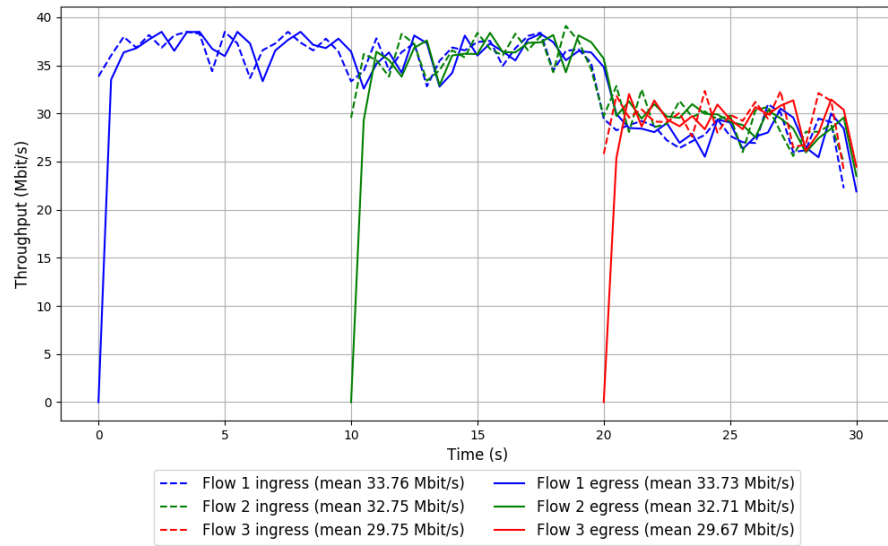


Run 1: Statistics of Sprout

Start at: 2018-06-06 03:02:47
End at: 2018-06-06 03:03:17
Local clock offset: -5.359 ms
Remote clock offset: -1.521 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 22.768 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 20.323 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 23.748 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 26.688 ms
Loss rate: 0.24%

Run 1: Report of Sprout — Data Link

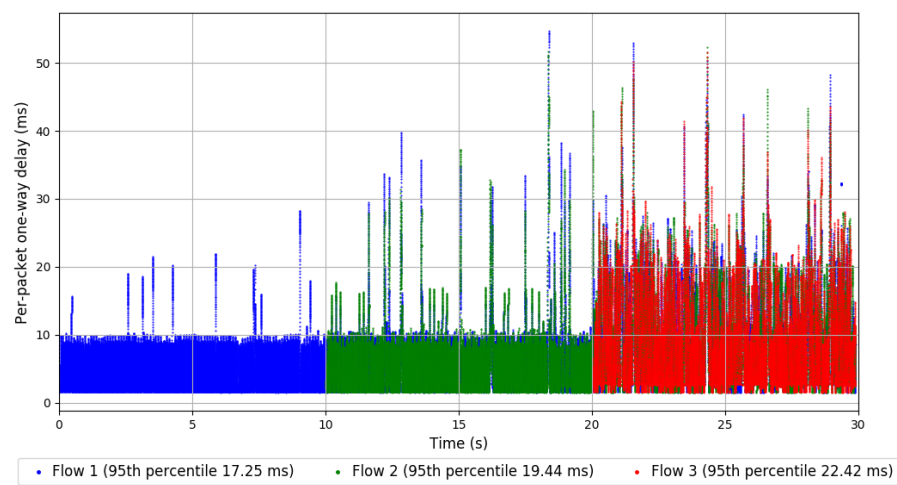
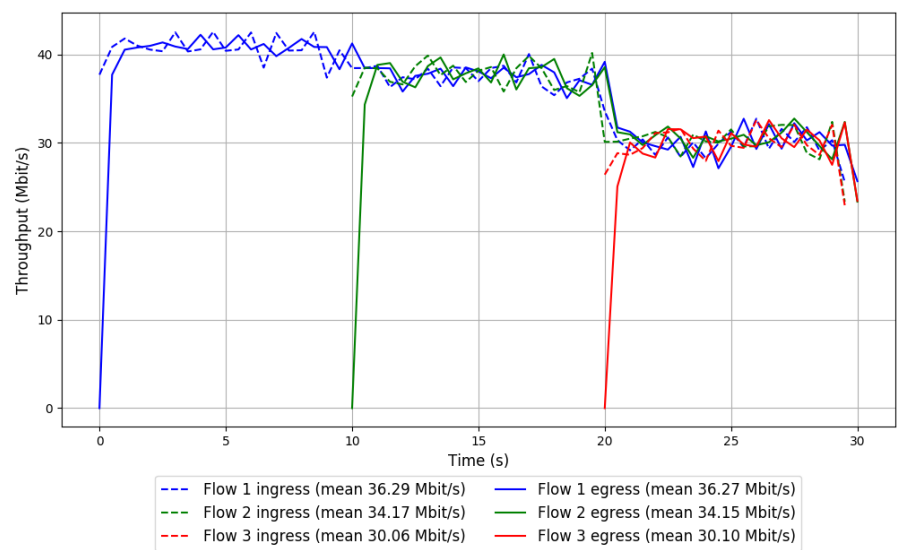


Run 2: Statistics of Sprout

Start at: 2018-06-06 03:20:47
End at: 2018-06-06 03:21:17
Local clock offset: -5.877 ms
Remote clock offset: -1.656 ms

```
# Below is generated by plot.py at 2018-06-06 06:08:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 17.249 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 19.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 22.423 ms
Loss rate: 0.06%
```

Run 2: Report of Sprout — Data Link

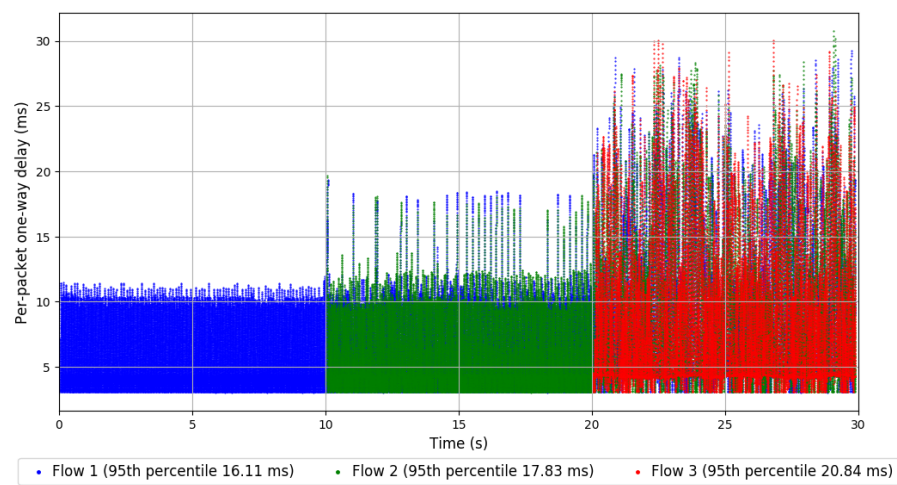
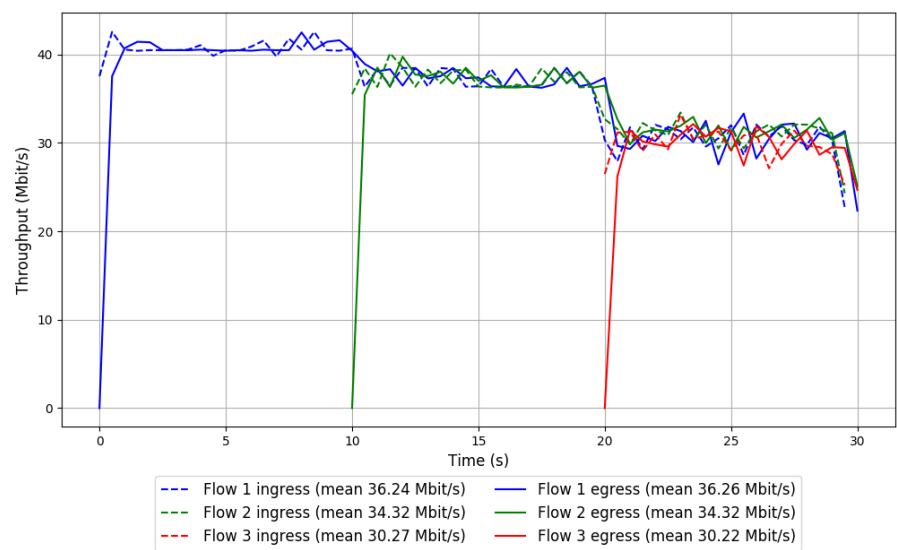


Run 3: Statistics of Sprout

Start at: 2018-06-06 03:38:49
End at: 2018-06-06 03:39:19
Local clock offset: -4.191 ms
Remote clock offset: -2.28 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 17.887 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 16.110 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 17.828 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.14%

Run 3: Report of Sprout — Data Link

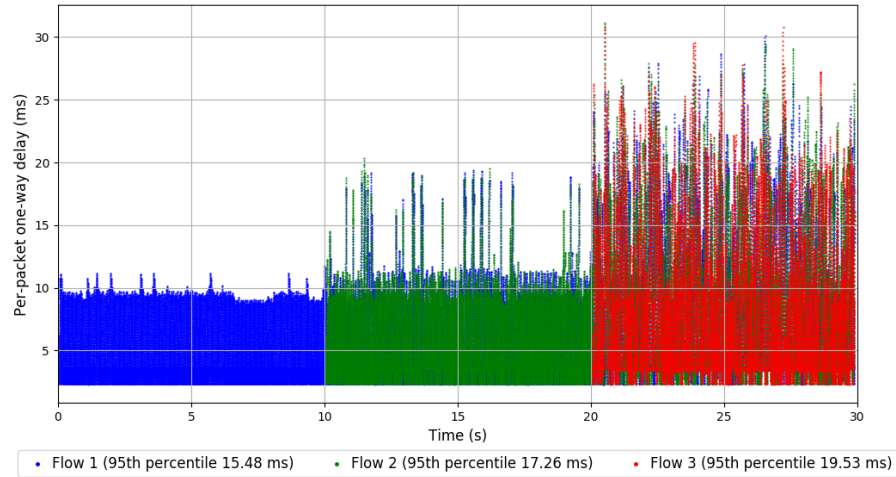
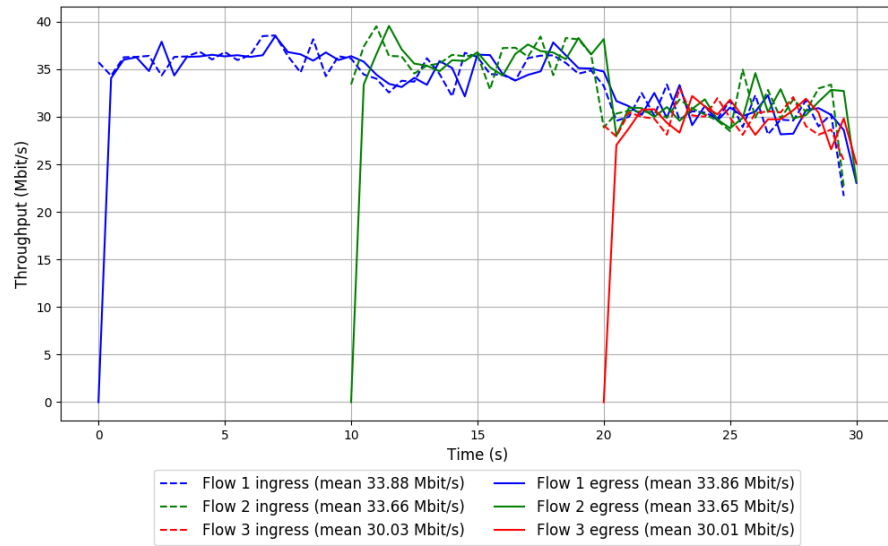


Run 4: Statistics of Sprout

Start at: 2018-06-06 03:56:53
End at: 2018-06-06 03:57:23
Local clock offset: -4.809 ms
Remote clock offset: -2.293 ms

Below is generated by plot.py at 2018-06-06 06:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 17.117 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 15.480 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 17.259 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 19.529 ms
Loss rate: 0.12%

Run 4: Report of Sprout — Data Link

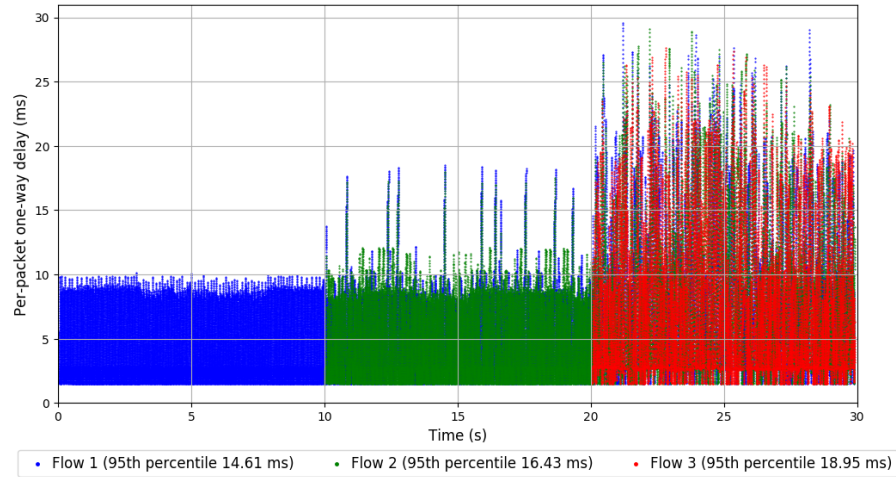
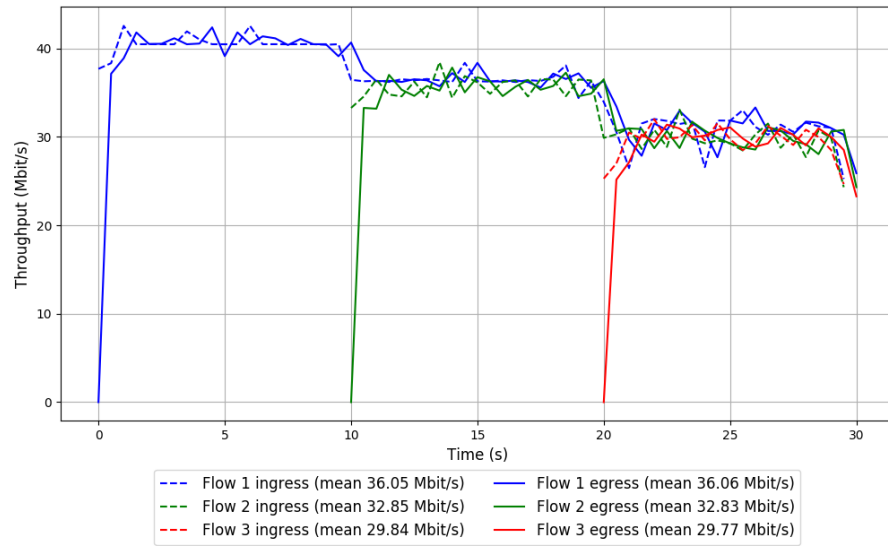


Run 5: Statistics of Sprout

Start at: 2018-06-06 04:14:55
End at: 2018-06-06 04:15:25
Local clock offset: -5.756 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2018-06-06 06:08:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 16.425 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 14.607 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 16.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.24%

Run 5: Report of Sprout — Data Link

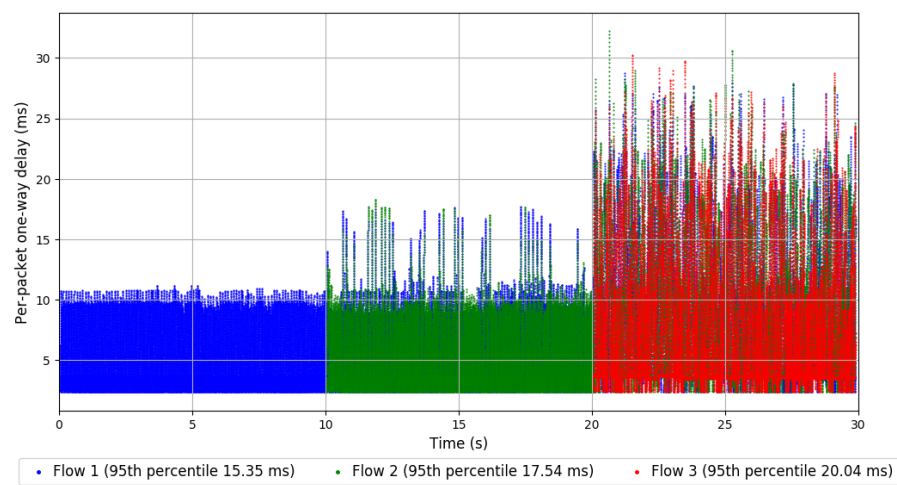
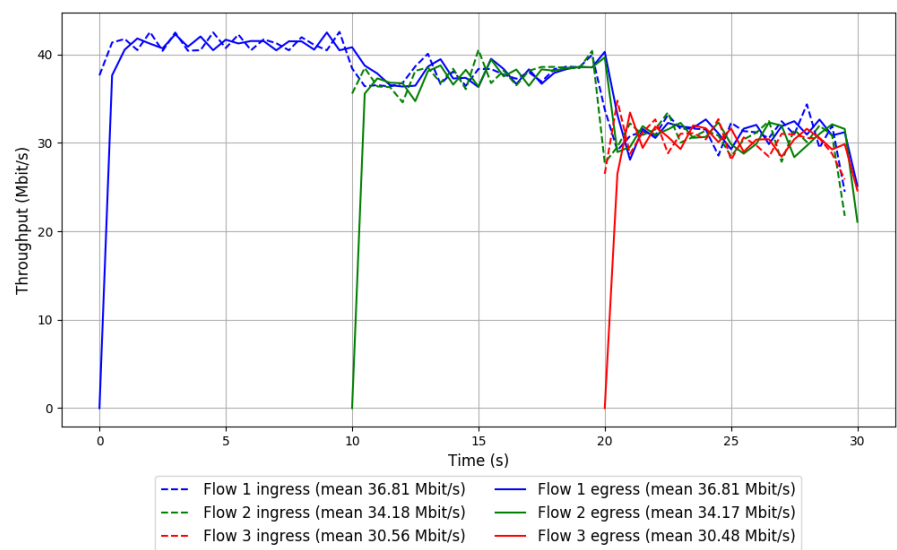


Run 6: Statistics of Sprout

Start at: 2018-06-06 04:32:57
End at: 2018-06-06 04:33:27
Local clock offset: -4.949 ms
Remote clock offset: -2.451 ms

Below is generated by plot.py at 2018-06-06 06:08:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 17.317 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 15.351 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 17.543 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 20.043 ms
Loss rate: 0.23%

Run 6: Report of Sprout — Data Link

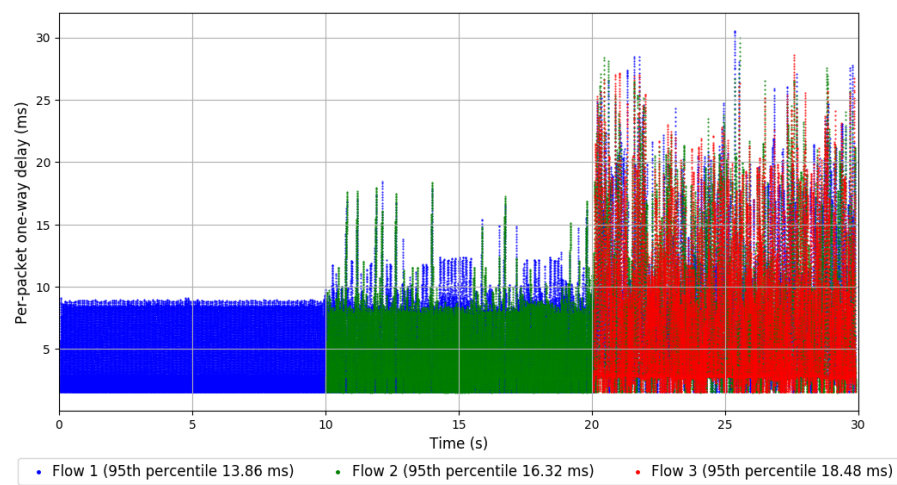
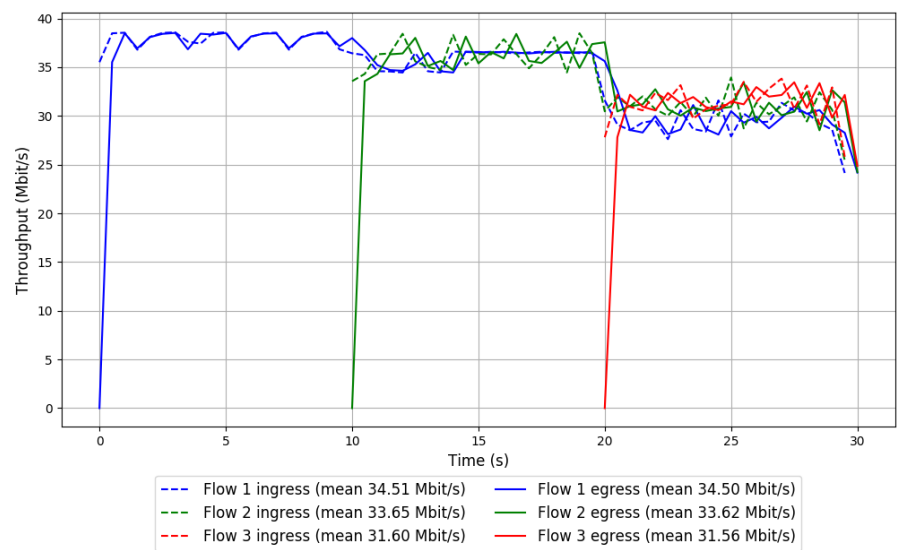


Run 7: Statistics of Sprout

Start at: 2018-06-06 04:50:57
End at: 2018-06-06 04:51:27
Local clock offset: -5.955 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2018-06-06 06:08:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 16.007 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 13.861 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 16.319 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

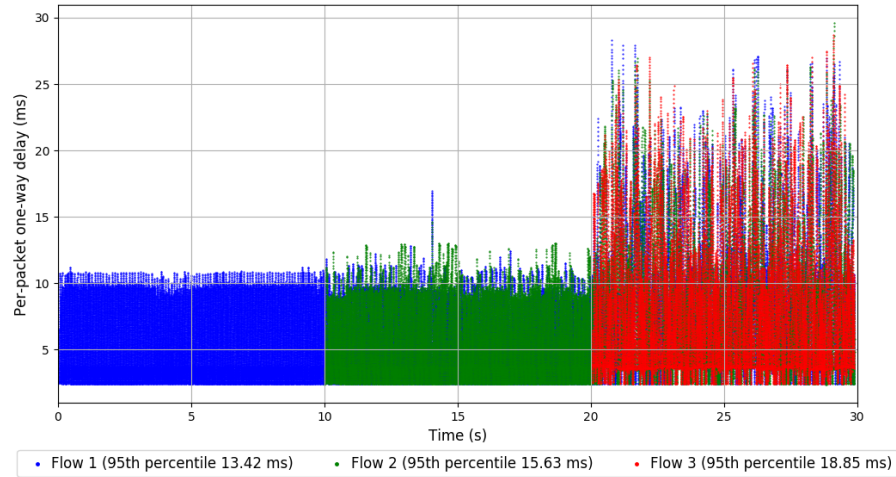
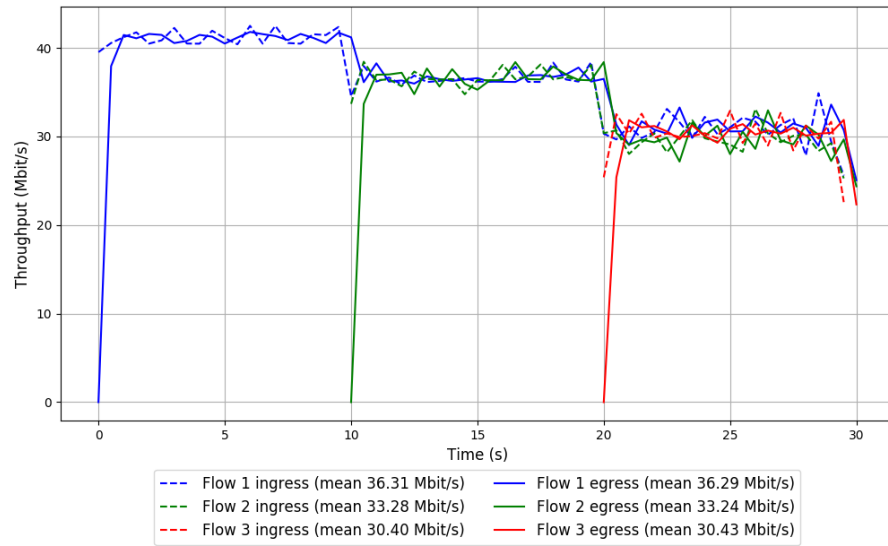


Run 8: Statistics of Sprout

Start at: 2018-06-06 05:08:58
End at: 2018-06-06 05:09:28
Local clock offset: -5.159 ms
Remote clock offset: -2.627 ms

Below is generated by plot.py at 2018-06-06 06:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 15.824 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 13.418 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 15.628 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.05%

Run 8: Report of Sprout — Data Link

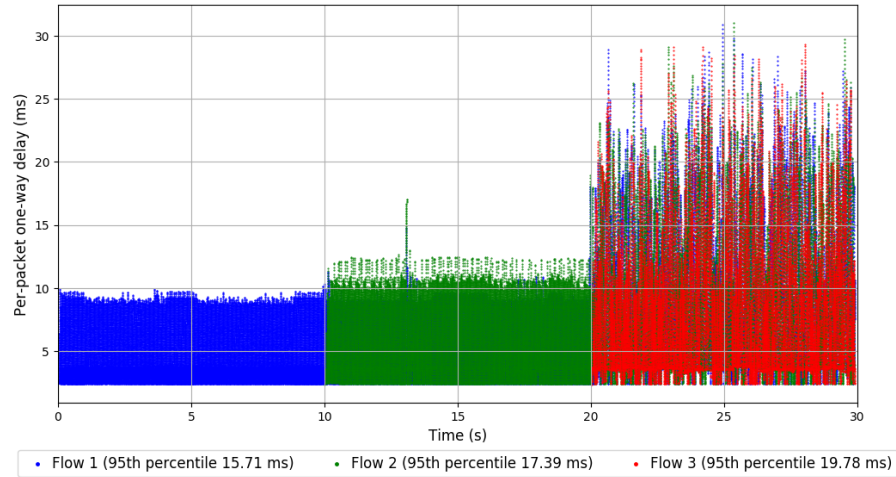
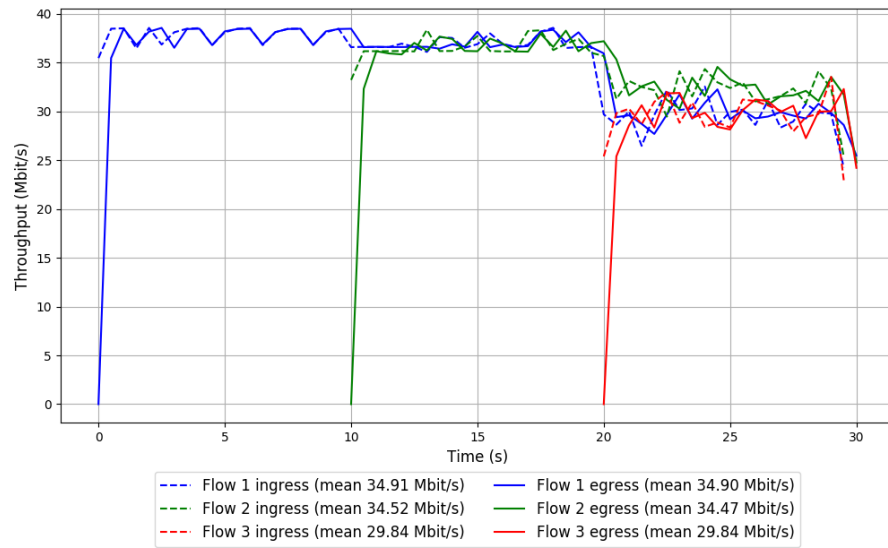


Run 9: Statistics of Sprout

Start at: 2018-06-06 05:27:00
End at: 2018-06-06 05:27:30
Local clock offset: -5.064 ms
Remote clock offset: -2.645 ms

Below is generated by plot.py at 2018-06-06 06:08:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 17.296 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 15.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 17.385 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 19.778 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

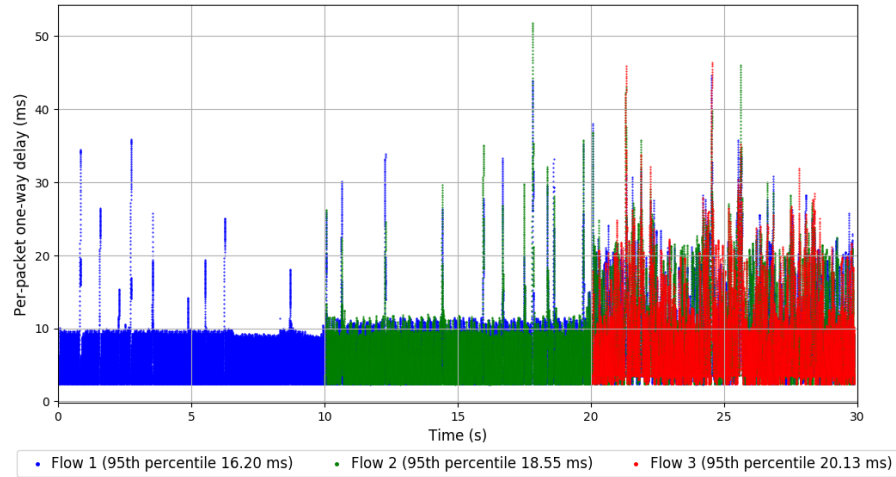
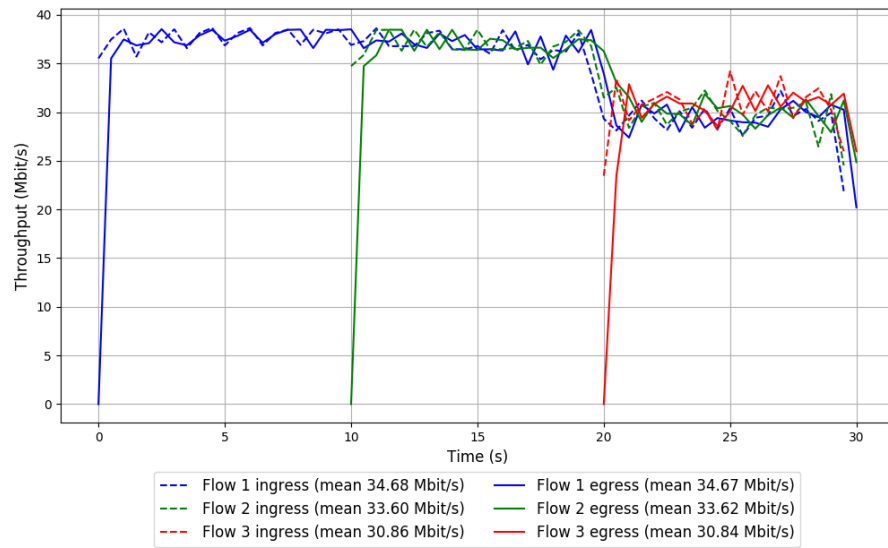


Run 10: Statistics of Sprout

Start at: 2018-06-06 05:45:03
End at: 2018-06-06 05:45:33
Local clock offset: -5.19 ms
Remote clock offset: -2.848 ms

Below is generated by plot.py at 2018-06-06 06:08:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 17.959 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 16.204 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 18.545 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

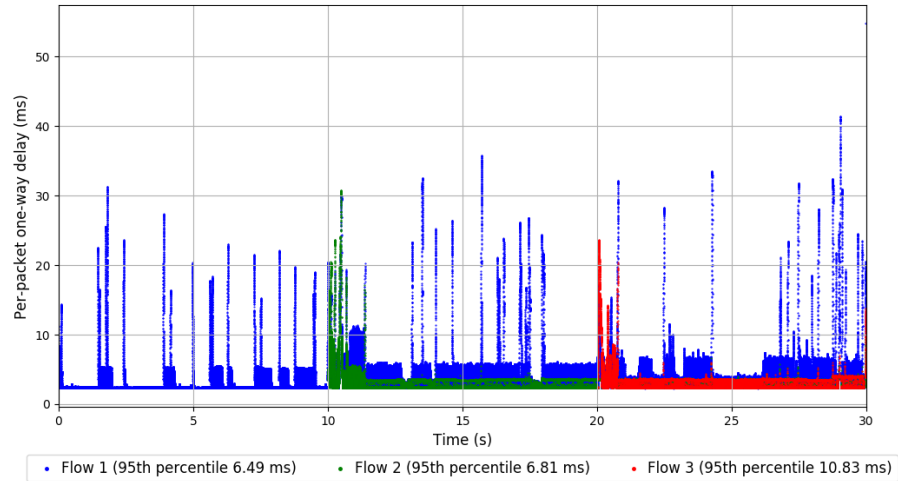
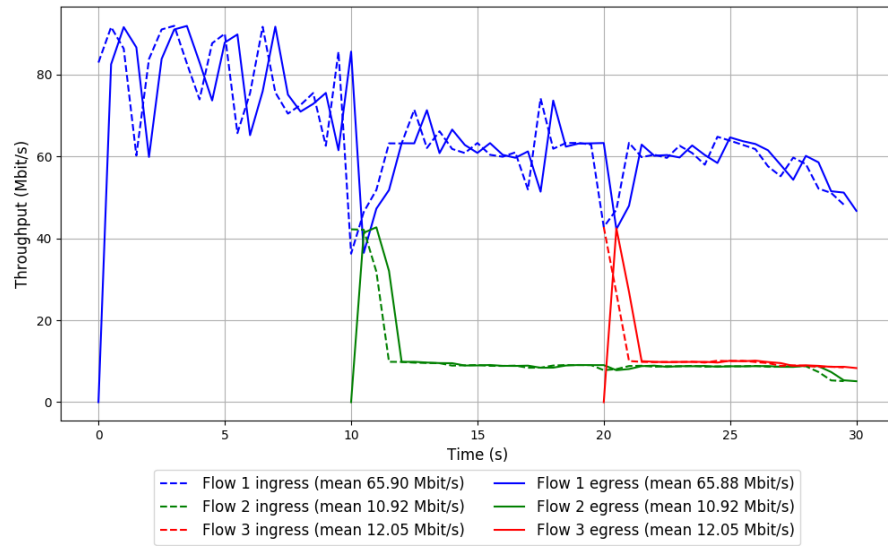


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-06 02:49:22
End at: 2018-06-06 02:49:52
Local clock offset: -5.388 ms
Remote clock offset: -2.012 ms

# Below is generated by plot.py at 2018-06-06 06:09:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 6.556 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 6.487 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 6.809 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 10.827 ms
Loss rate: 0.10%
```

Run 1: Report of TaoVA-100x — Data Link

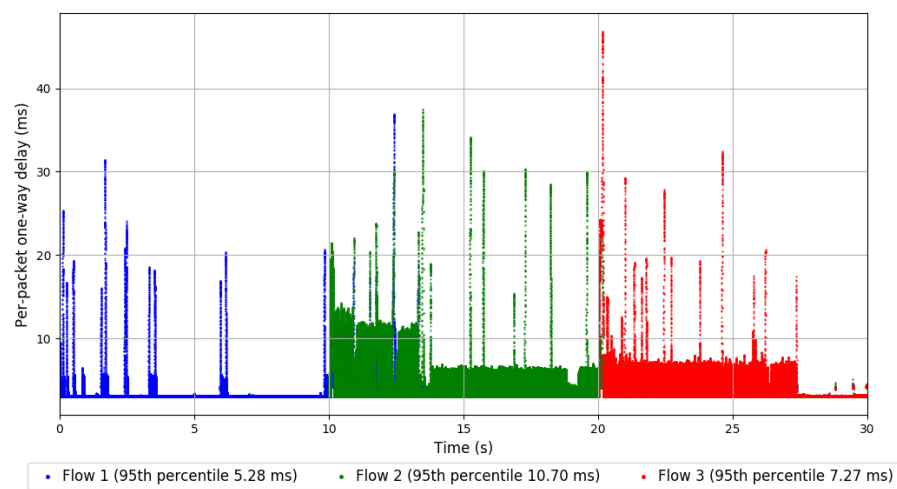
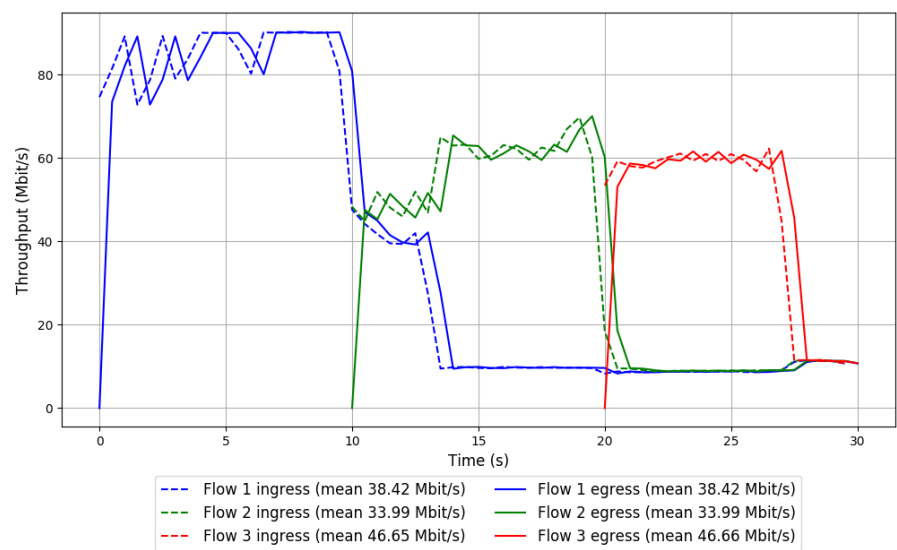


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-06 03:07:21
End at: 2018-06-06 03:07:51
Local clock offset: -4.571 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-06-06 06:09:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 7.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 5.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 10.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 7.274 ms
Loss rate: 0.01%

Run 2: Report of TaoVA-100x — Data Link

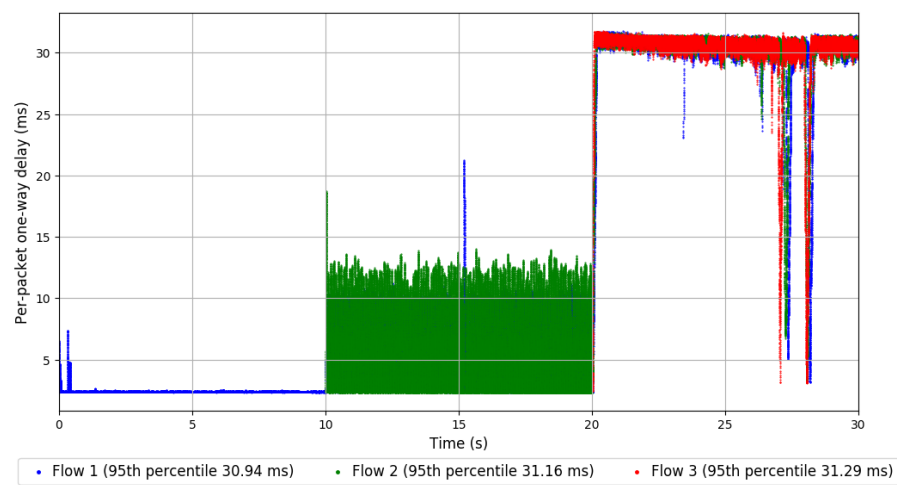
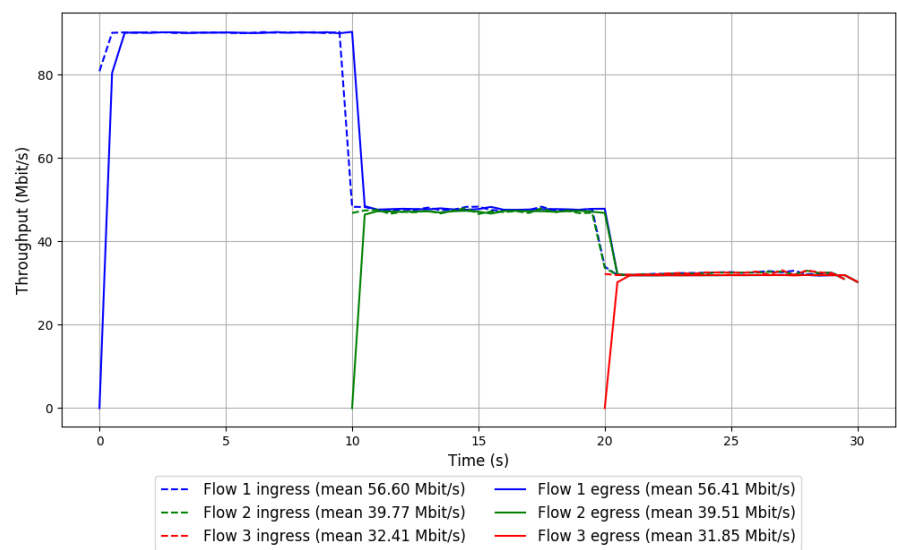


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-06 03:25:20
End at: 2018-06-06 03:25:50
Local clock offset: -5.075 ms
Remote clock offset: -1.996 ms

Below is generated by plot.py at 2018-06-06 06:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 31.104 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 30.938 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 31.286 ms
Loss rate: 1.77%

Run 3: Report of TaoVA-100x — Data Link

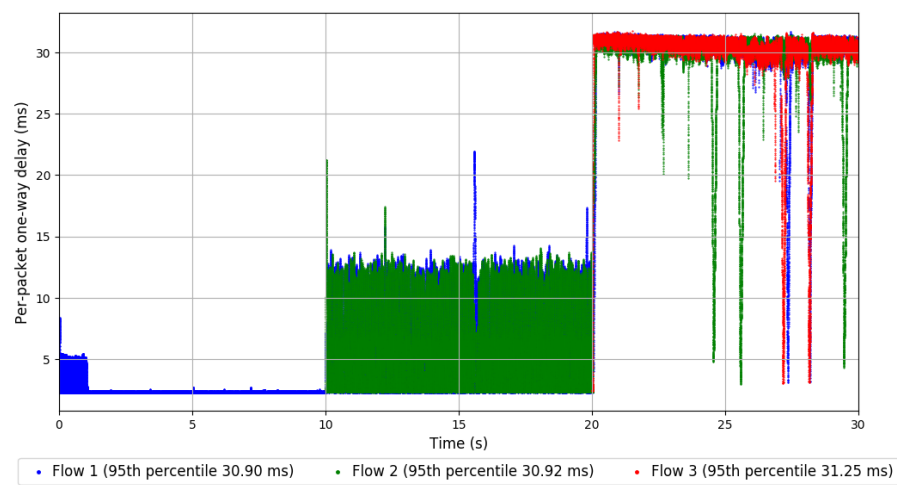
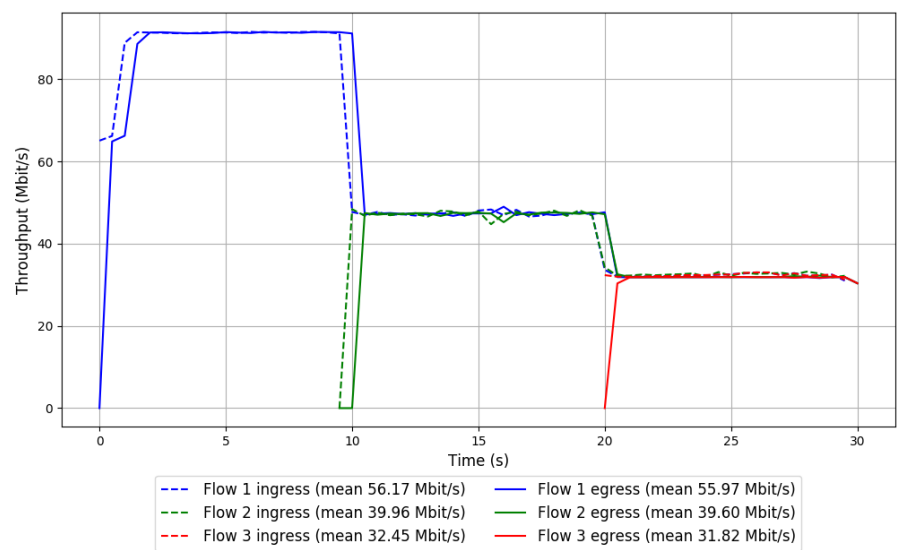


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-06 03:43:23
End at: 2018-06-06 03:43:53
Local clock offset: -4.913 ms
Remote clock offset: -2.257 ms

Below is generated by plot.py at 2018-06-06 06:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 30.900 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 30.919 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 31.251 ms
Loss rate: 1.97%

Run 4: Report of TaoVA-100x — Data Link

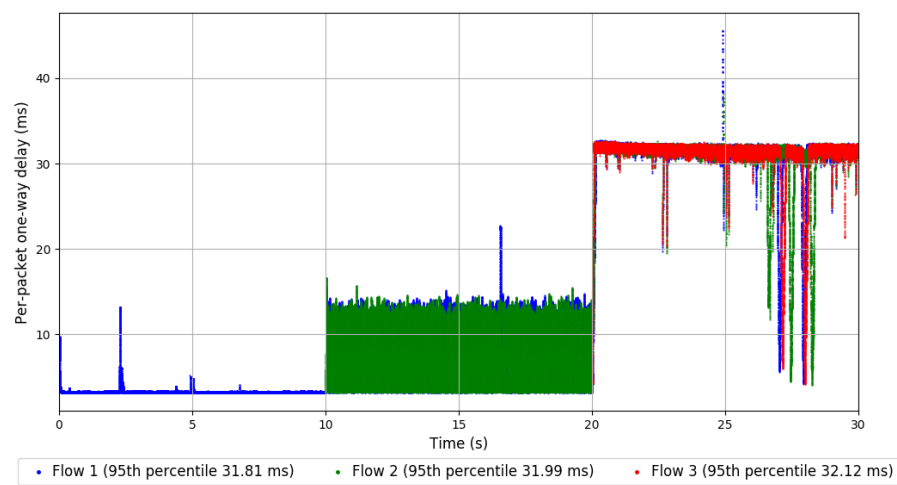
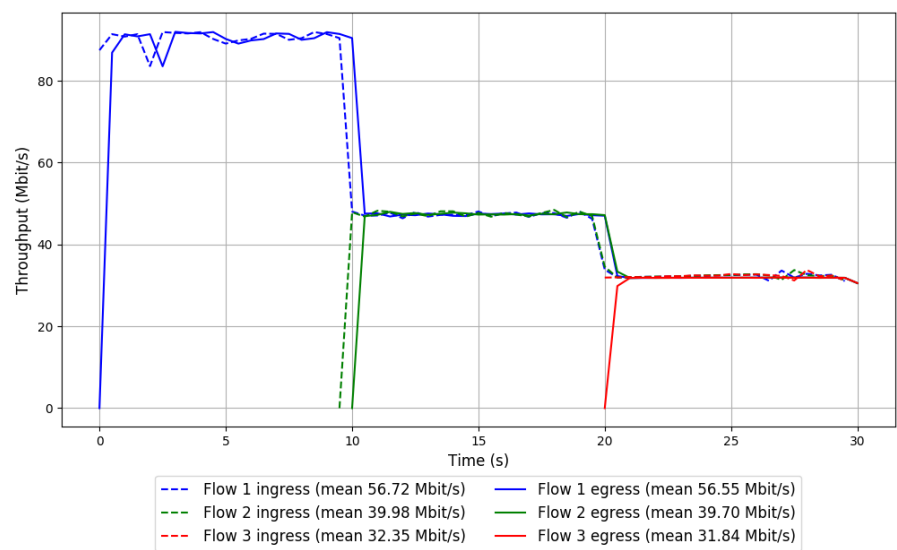


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-06 04:01:26
End at: 2018-06-06 04:01:56
Local clock offset: -4.008 ms
Remote clock offset: -2.362 ms

Below is generated by plot.py at 2018-06-06 06:10:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 31.956 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 31.812 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 31.992 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 32.119 ms
Loss rate: 1.75%

Run 5: Report of TaoVA-100x — Data Link

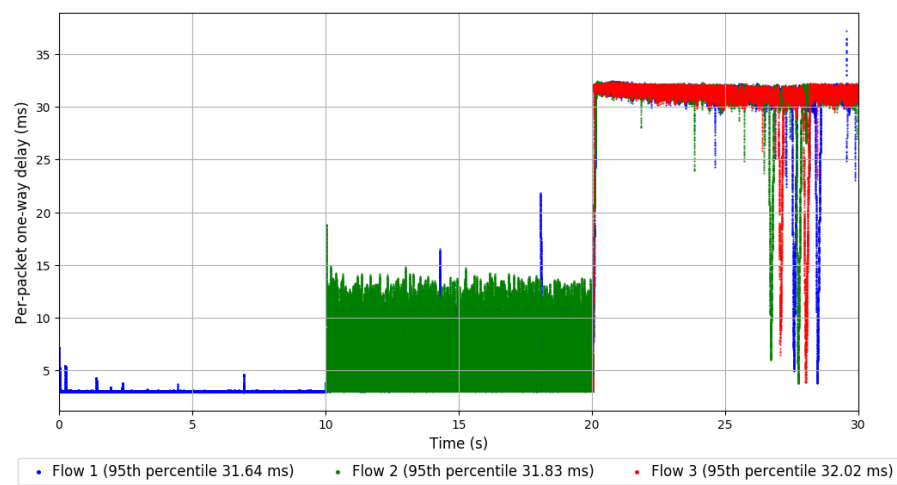
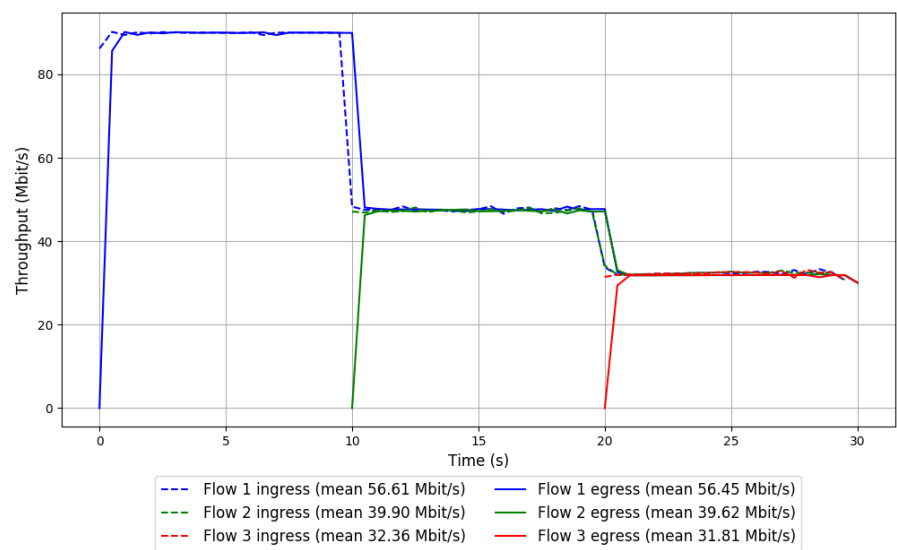


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-06 04:19:29
End at: 2018-06-06 04:19:59
Local clock offset: -4.23 ms
Remote clock offset: -2.223 ms

Below is generated by plot.py at 2018-06-06 06:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 31.807 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 31.643 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 31.828 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 32.017 ms
Loss rate: 1.79%

Run 6: Report of TaoVA-100x — Data Link

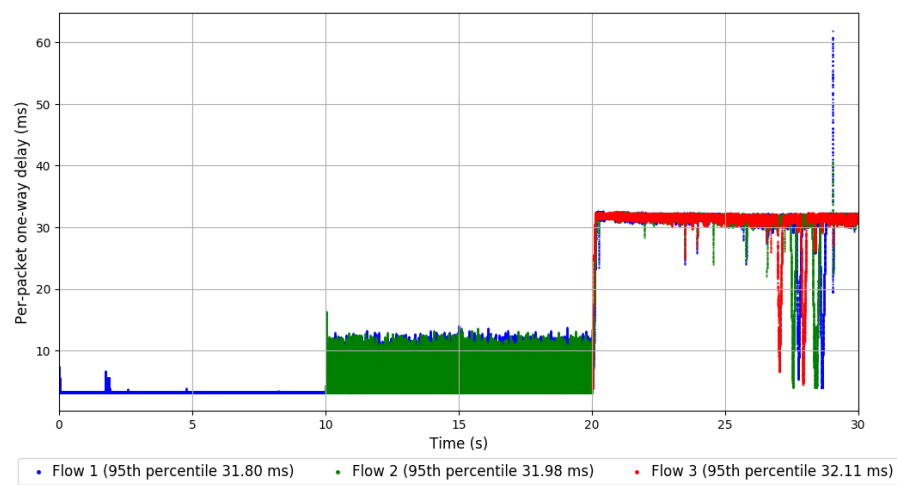
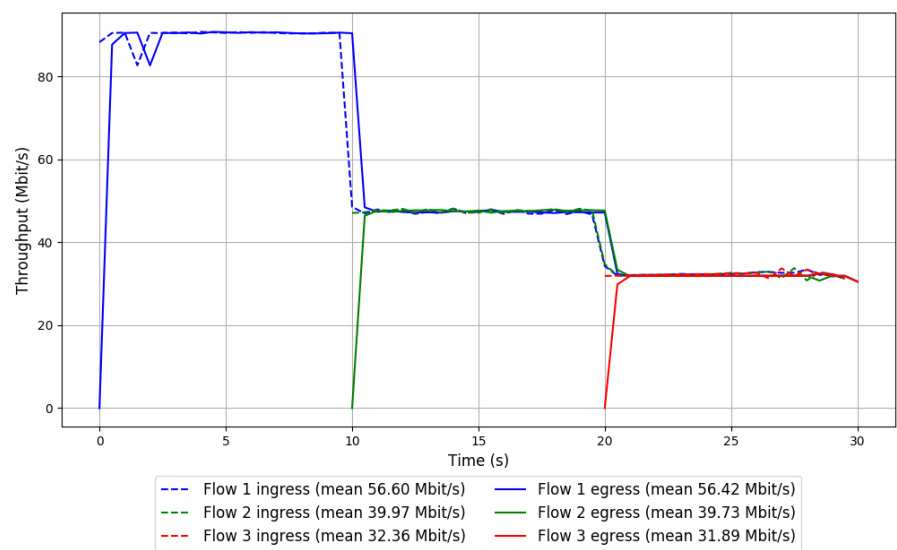


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-06 04:37:31
End at: 2018-06-06 04:38:01
Local clock offset: -4.262 ms
Remote clock offset: -2.508 ms

Below is generated by plot.py at 2018-06-06 06:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 31.985 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 32.113 ms
Loss rate: 1.61%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-06 04:55:31

End at: 2018-06-06 04:56:01

Local clock offset: -4.443 ms

Remote clock offset: -2.49 ms

Below is generated by plot.py at 2018-06-06 06:10:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 31.910 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 31.750 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 31.953 ms

Loss rate: 0.60%

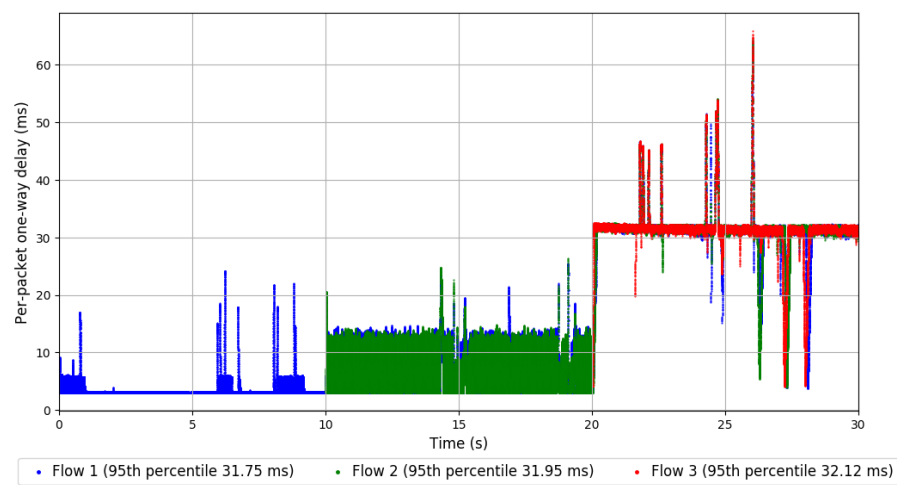
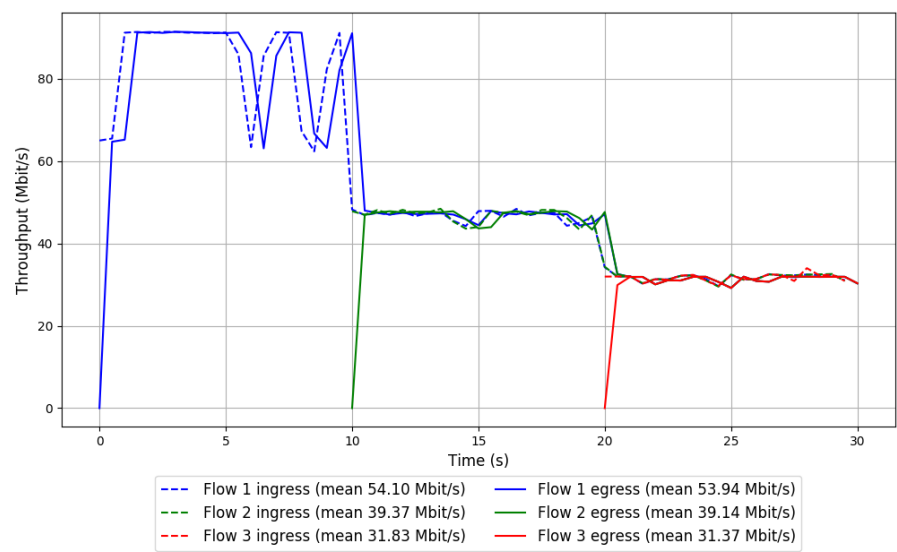
-- Flow 3:

Average throughput: 31.37 Mbit/s

95th percentile per-packet one-way delay: 32.118 ms

Loss rate: 1.49%

Run 8: Report of TaoVA-100x — Data Link

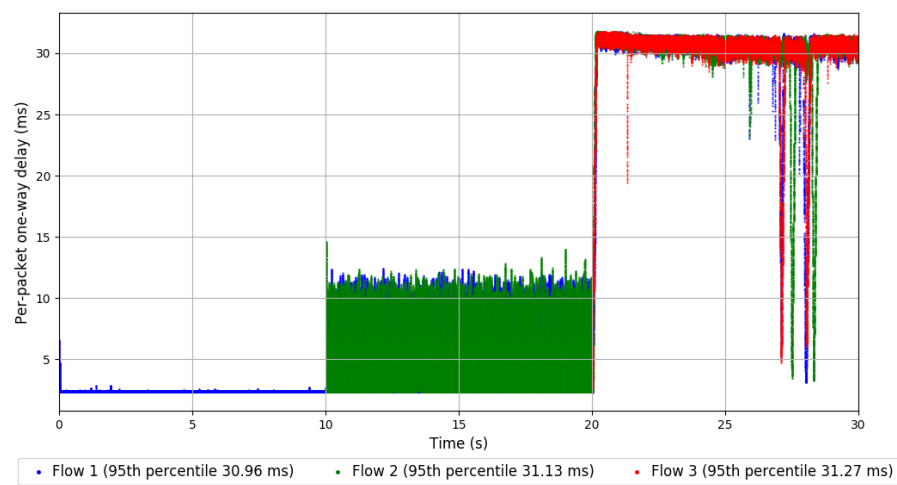
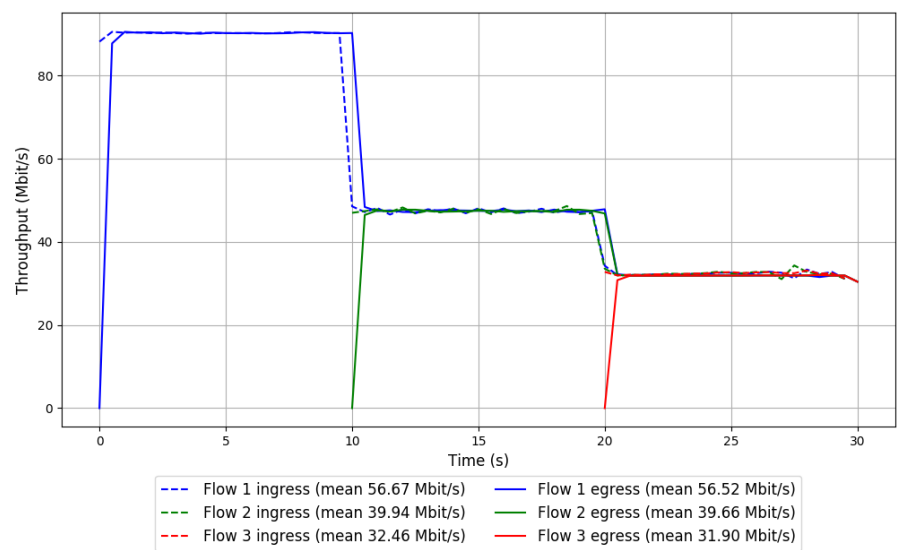


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-06 05:13:32
End at: 2018-06-06 05:14:02
Local clock offset: -5.173 ms
Remote clock offset: -2.637 ms

Below is generated by plot.py at 2018-06-06 06:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.268 ms
Loss rate: 1.87%

Run 9: Report of TaoVA-100x — Data Link

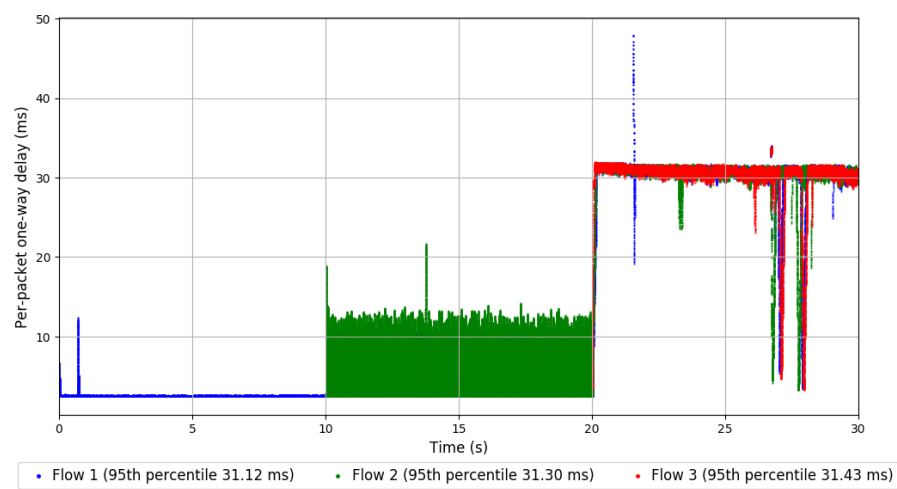
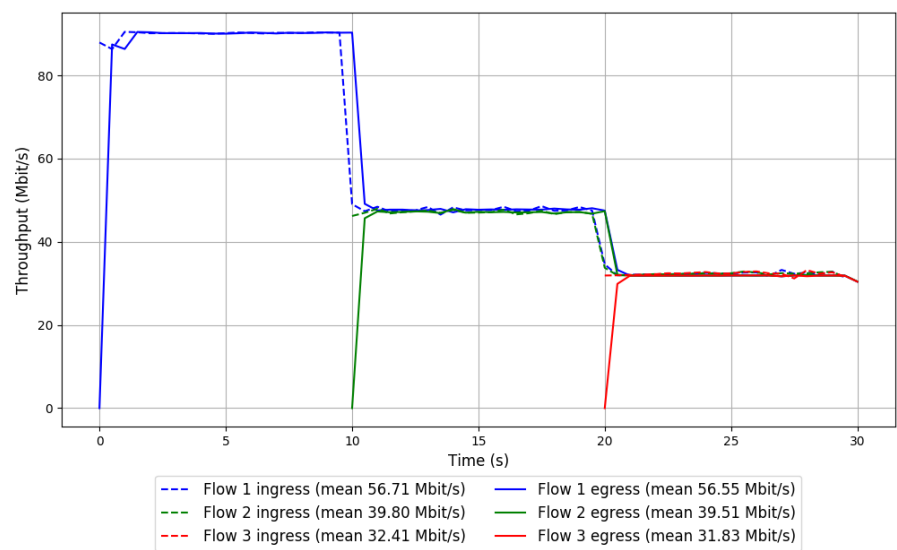


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-06 05:31:34
End at: 2018-06-06 05:32:04
Local clock offset: -5.051 ms
Remote clock offset: -2.762 ms

Below is generated by plot.py at 2018-06-06 06:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.256 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 31.119 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 31.429 ms
Loss rate: 1.95%

Run 10: Report of TaoVA-100x — Data Link

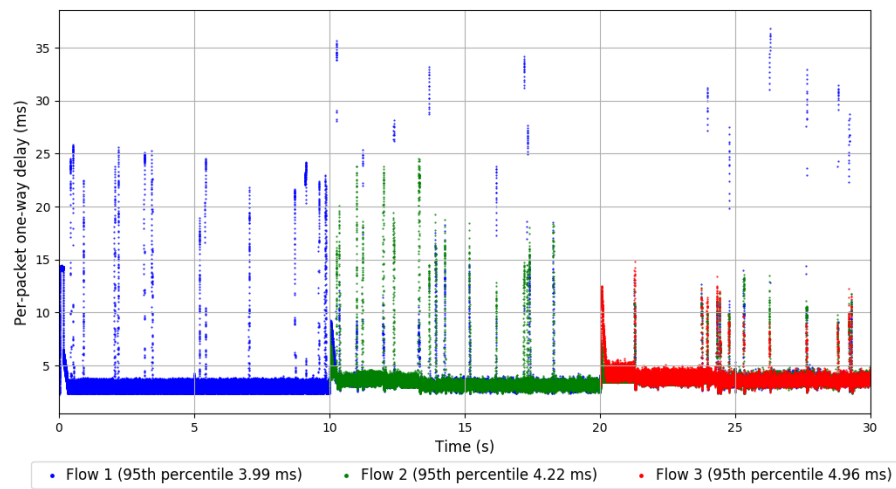
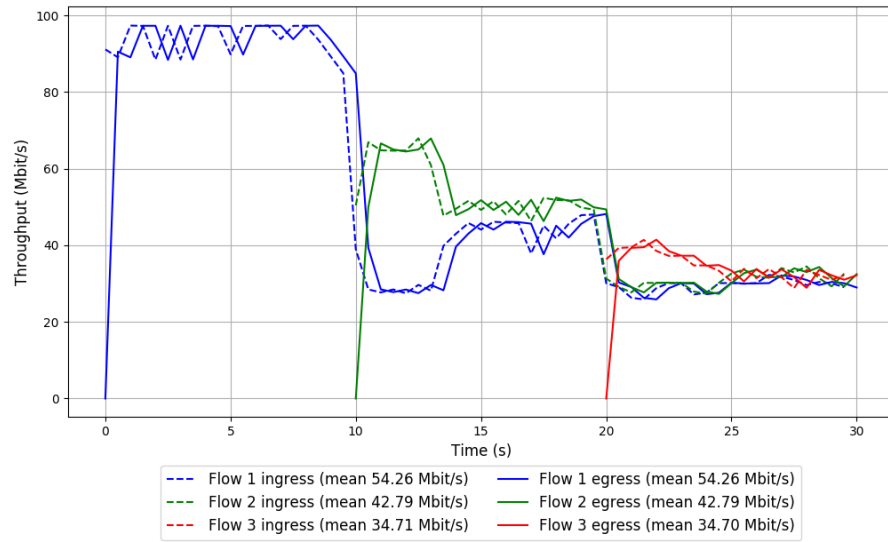


Run 1: Statistics of TCP Vegas

Start at: 2018-06-06 03:06:13
End at: 2018-06-06 03:06:43
Local clock offset: -5.303 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-06-06 06:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 4.955 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

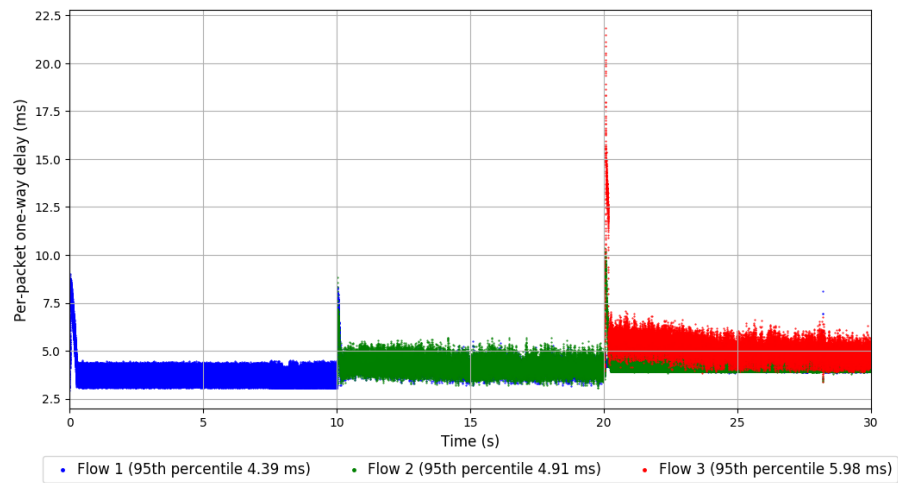
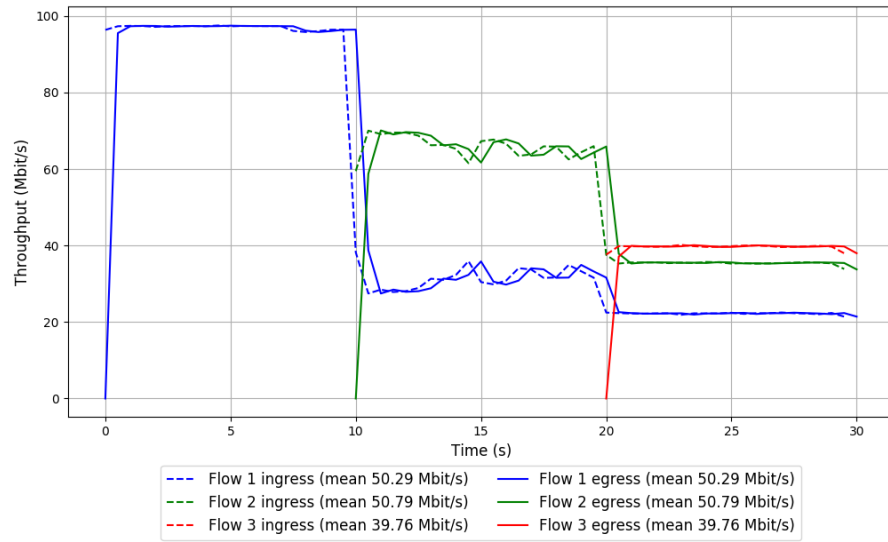


Run 2: Statistics of TCP Vegas

Start at: 2018-06-06 03:24:13
End at: 2018-06-06 03:24:43
Local clock offset: -4.391 ms
Remote clock offset: -1.963 ms

Below is generated by plot.py at 2018-06-06 06:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.371 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 4.395 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 4.906 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 5.983 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link

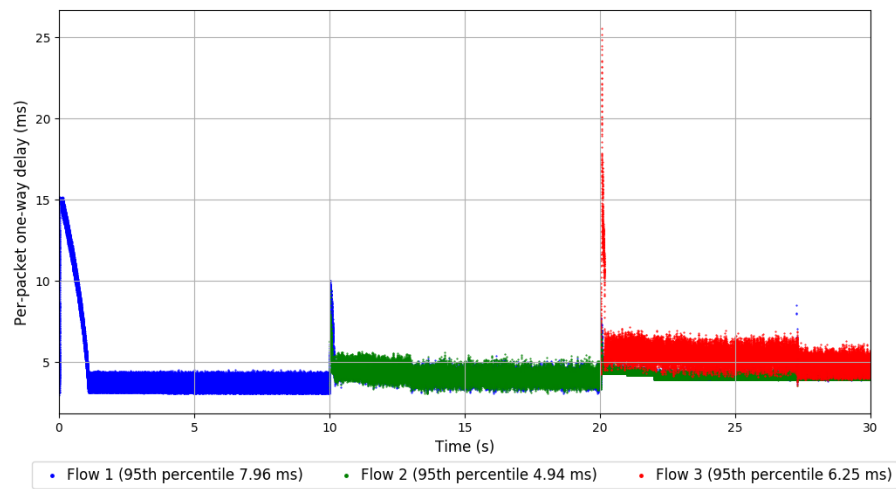
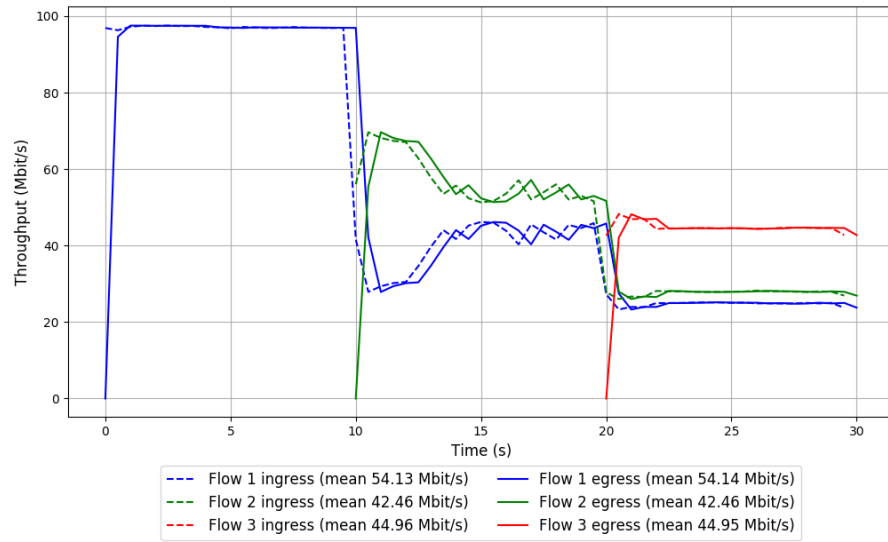


Run 3: Statistics of TCP Vegas

Start at: 2018-06-06 03:42:16
End at: 2018-06-06 03:42:46
Local clock offset: -4.148 ms
Remote clock offset: -2.287 ms

Below is generated by plot.py at 2018-06-06 06:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 6.074 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 7.958 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 4.944 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 6.255 ms
Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link

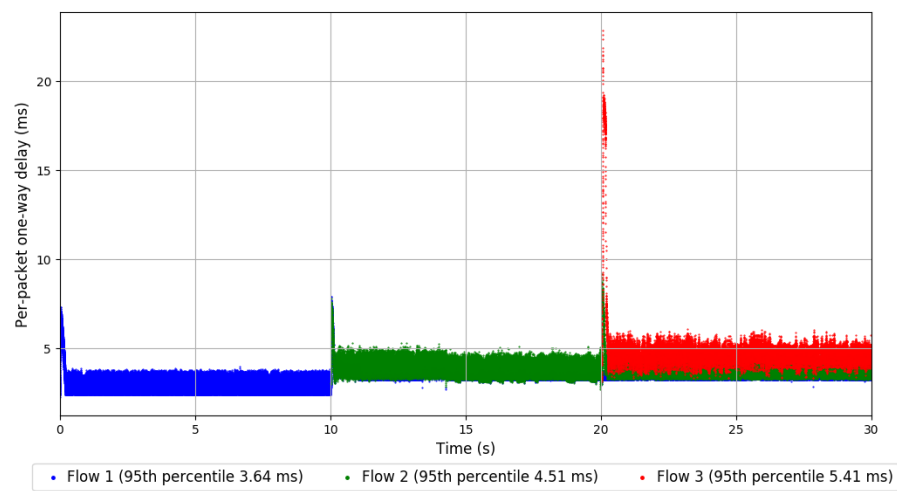
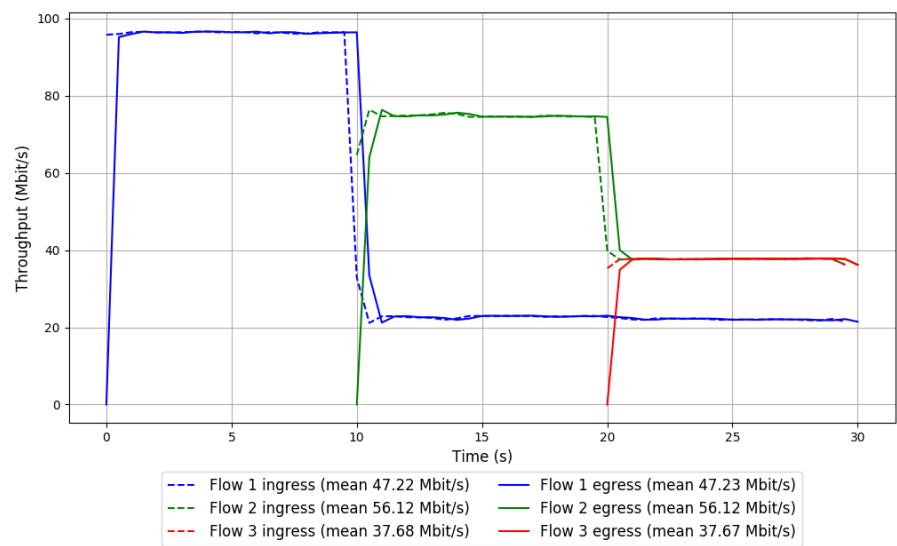


Run 4: Statistics of TCP Vegas

Start at: 2018-06-06 04:00:19
End at: 2018-06-06 04:00:49
Local clock offset: -4.788 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2018-06-06 06:11:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 4.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 3.636 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 4.514 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 5.414 ms
Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link

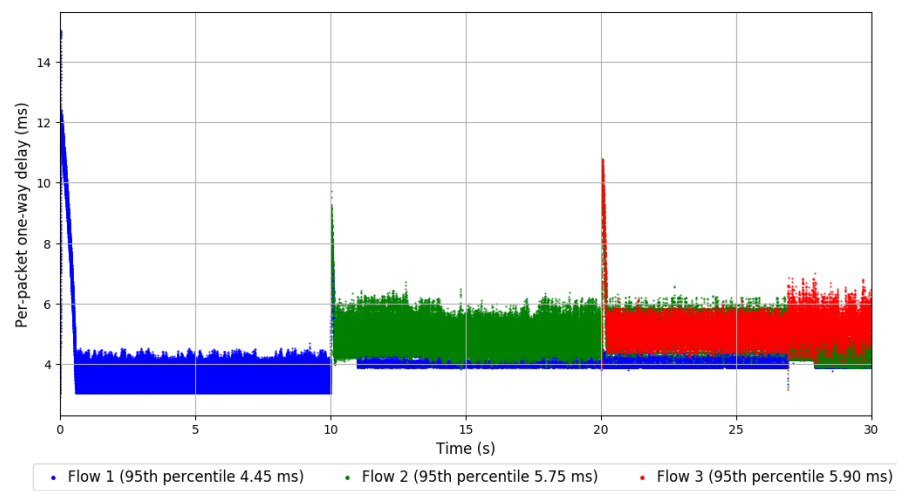
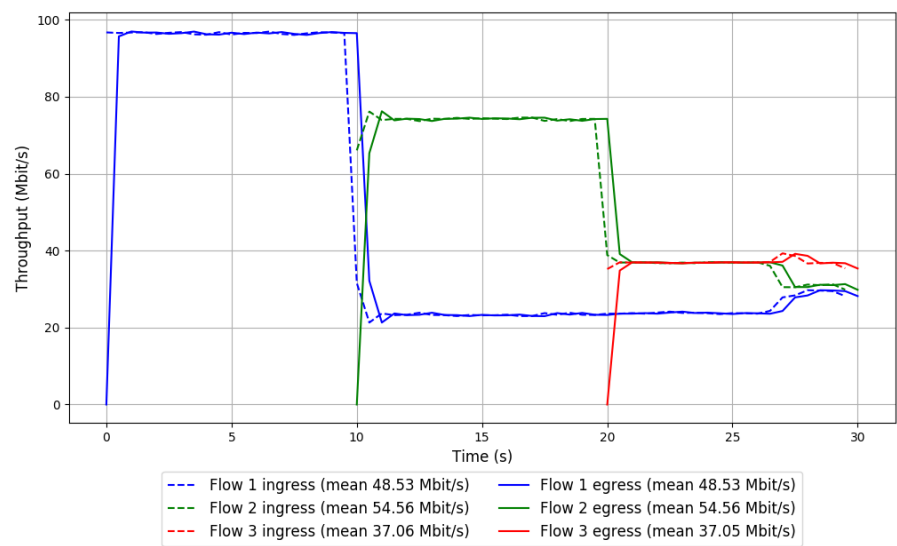


Run 5: Statistics of TCP Vegas

Start at: 2018-06-06 04:18:21
End at: 2018-06-06 04:18:51
Local clock offset: -4.231 ms
Remote clock offset: -2.227 ms

Below is generated by plot.py at 2018-06-06 06:11:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 5.715 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 5.753 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 5.902 ms
Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link

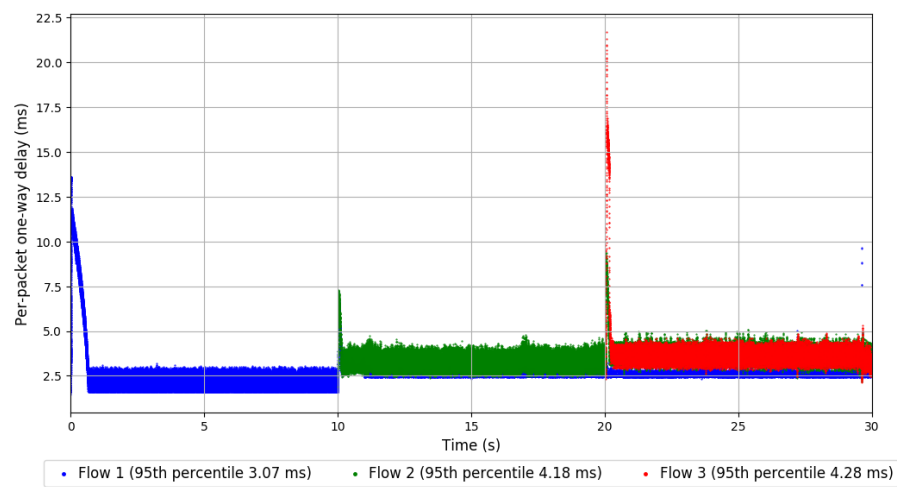
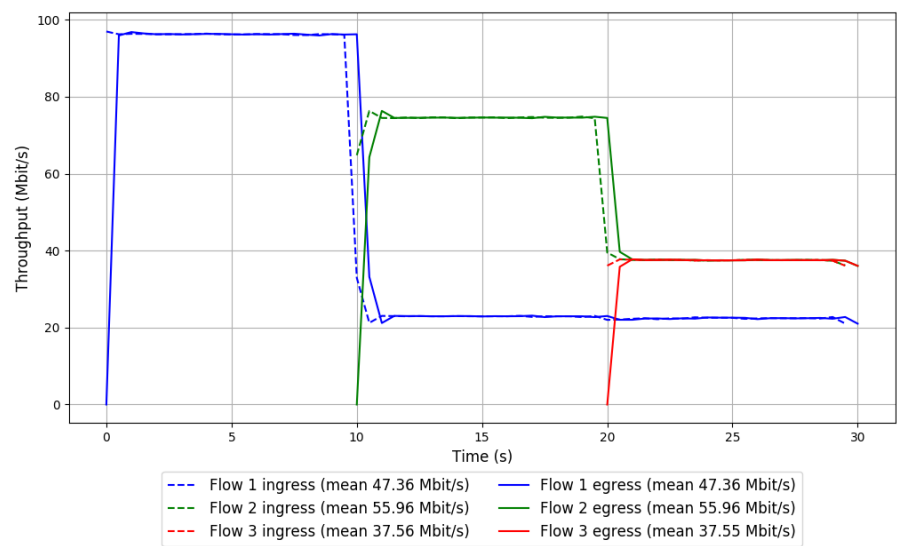


Run 6: Statistics of TCP Vegas

Start at: 2018-06-06 04:36:23
End at: 2018-06-06 04:36:53
Local clock offset: -5.845 ms
Remote clock offset: -2.491 ms

Below is generated by plot.py at 2018-06-06 06:11:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 4.191 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 3.071 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 4.176 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 4.283 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

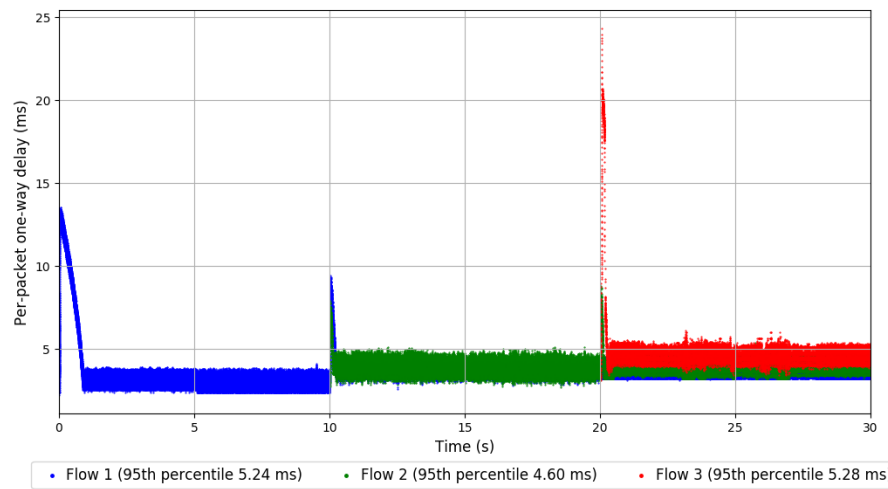
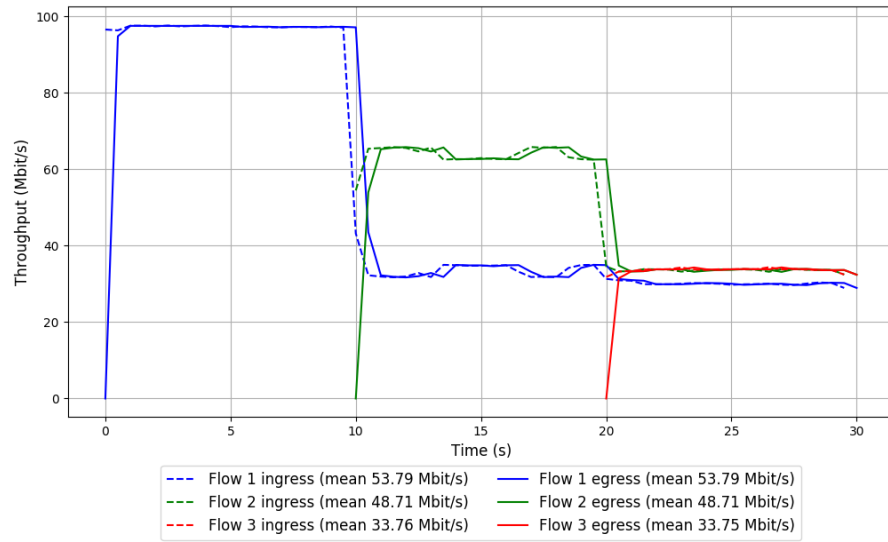


Run 7: Statistics of TCP Vegas

Start at: 2018-06-06 04:54:24
End at: 2018-06-06 04:54:54
Local clock offset: -5.268 ms
Remote clock offset: -2.593 ms

Below is generated by plot.py at 2018-06-06 06:12:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 5.073 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 5.241 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 4.597 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 5.279 ms
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link

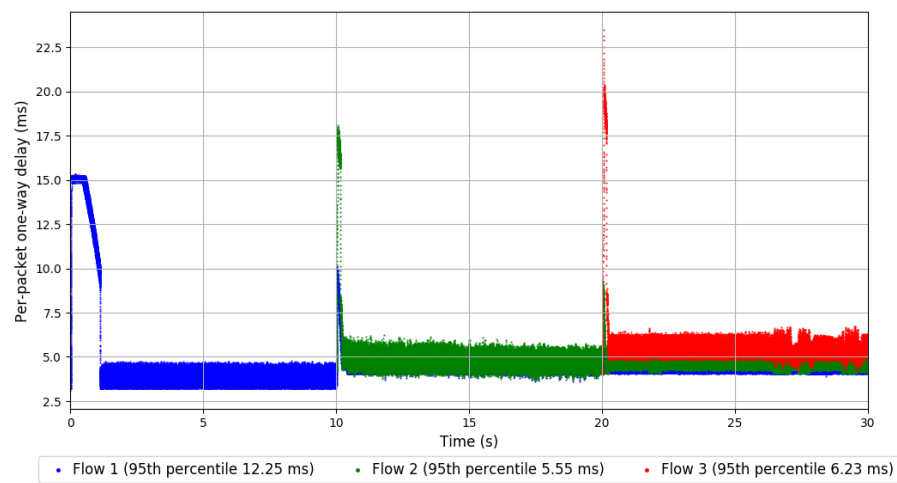
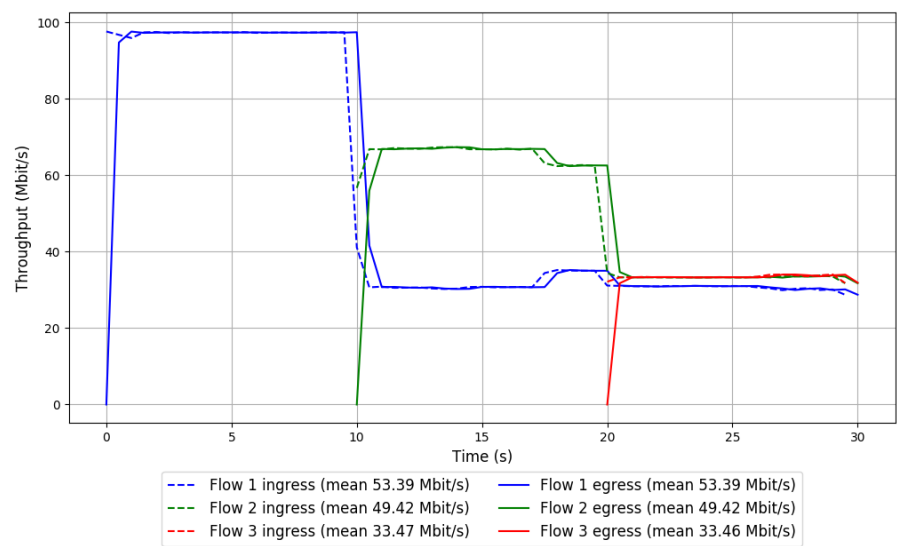


Run 8: Statistics of TCP Vegas

Start at: 2018-06-06 05:12:24
End at: 2018-06-06 05:12:54
Local clock offset: -4.354 ms
Remote clock offset: -2.666 ms

Below is generated by plot.py at 2018-06-06 06:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 6.176 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 12.246 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 5.546 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 6.226 ms
Loss rate: 0.05%

Run 8: Report of TCP Vegas — Data Link

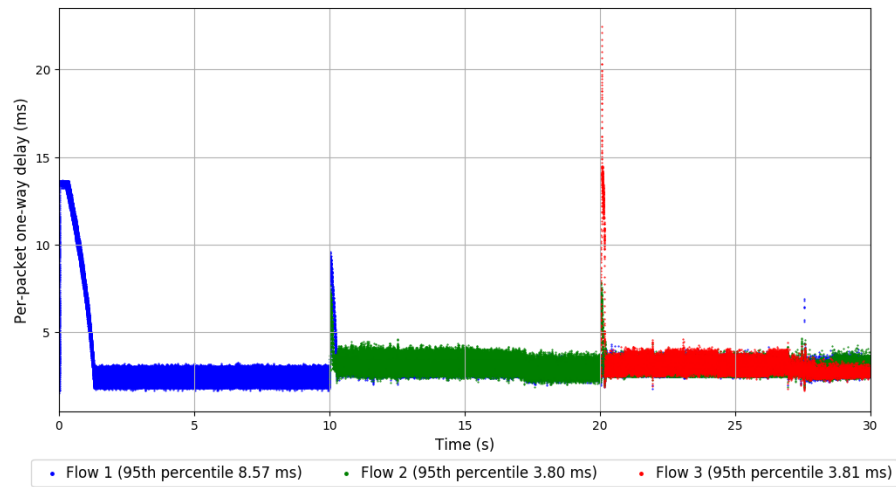
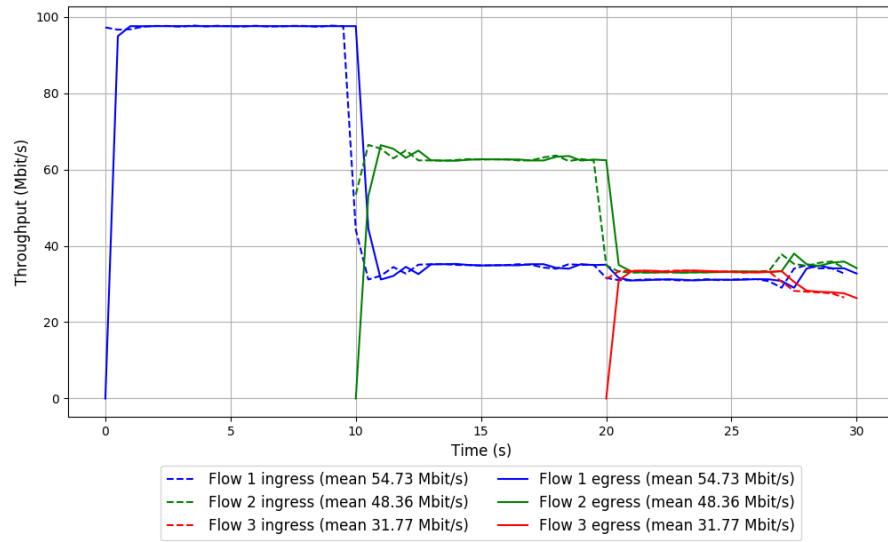


Run 9: Statistics of TCP Vegas

Start at: 2018-06-06 05:30:26
End at: 2018-06-06 05:30:56
Local clock offset: -5.828 ms
Remote clock offset: -2.643 ms

Below is generated by plot.py at 2018-06-06 06:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.032 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 8.570 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 3.803 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 3.805 ms
Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link

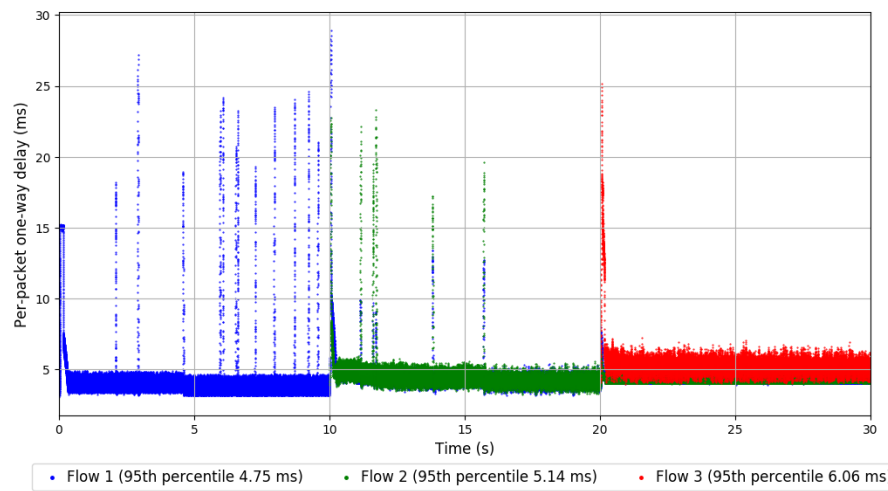
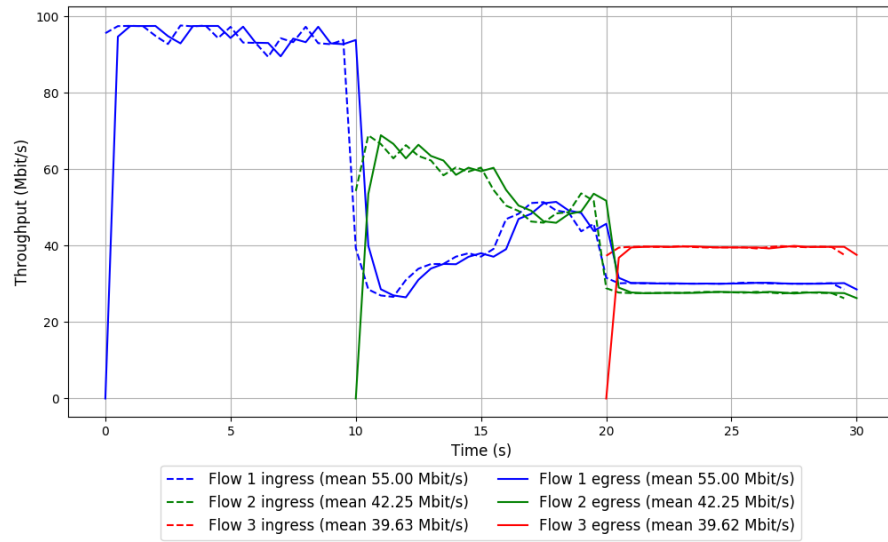


Run 10: Statistics of TCP Vegas

Start at: 2018-06-06 05:48:29
End at: 2018-06-06 05:48:59
Local clock offset: -4.391 ms
Remote clock offset: -2.854 ms

Below is generated by plot.py at 2018-06-06 06:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 5.597 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 4.752 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 5.145 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 6.063 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

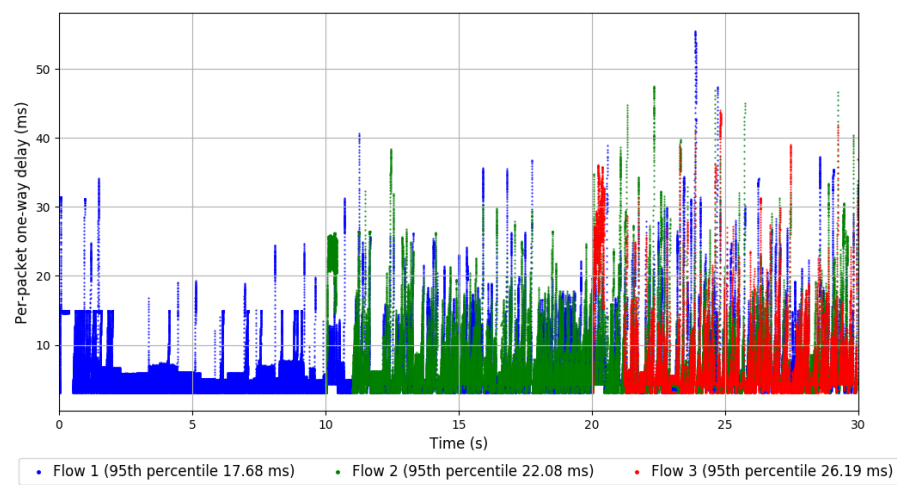
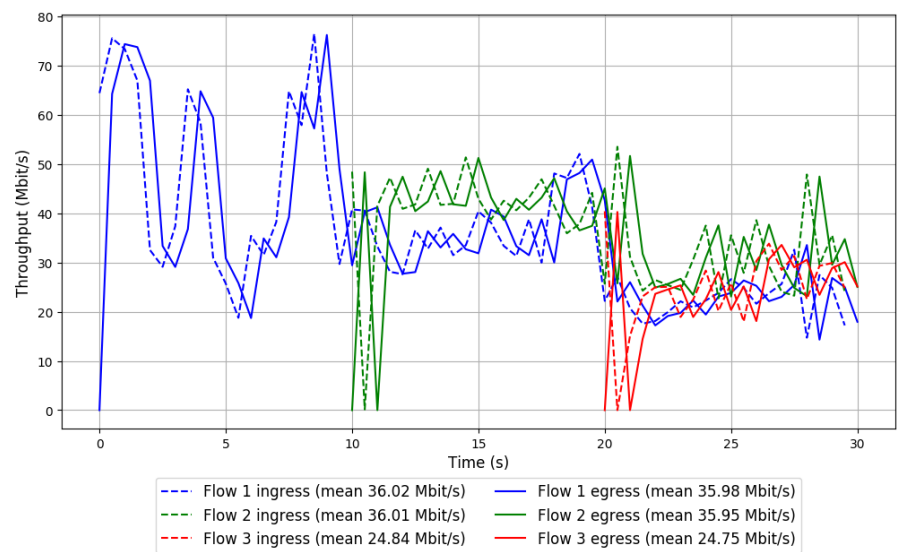


Run 1: Statistics of Verus

Start at: 2018-06-06 02:53:54
End at: 2018-06-06 02:54:24
Local clock offset: -4.595 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-06-06 06:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 21.103 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 17.684 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 22.082 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 26.192 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

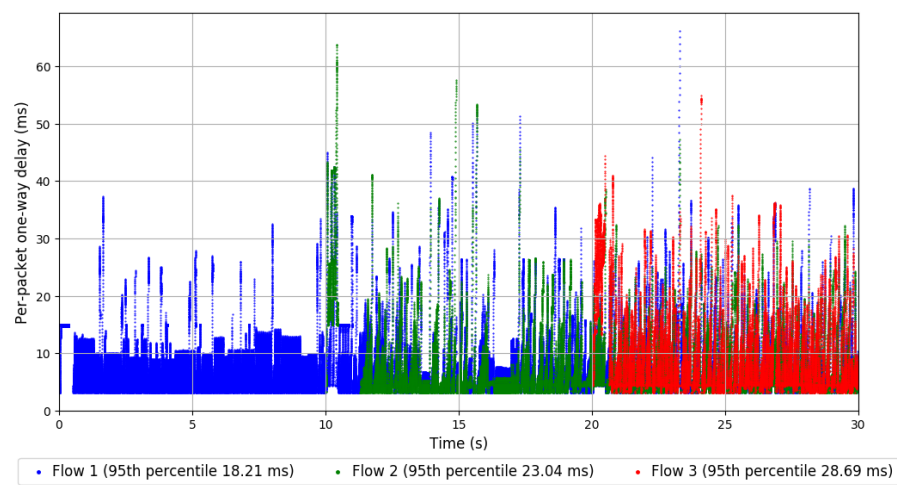
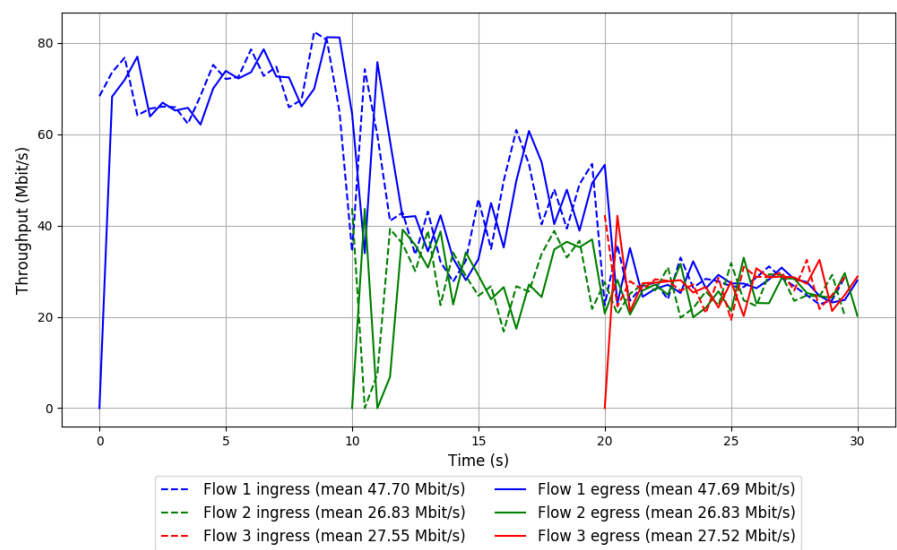


Run 2: Statistics of Verus

Start at: 2018-06-06 03:11:52
End at: 2018-06-06 03:12:22
Local clock offset: -4.424 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2018-06-06 06:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 22.186 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.69 Mbit/s
95th percentile per-packet one-way delay: 18.208 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 23.035 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 28.693 ms
Loss rate: 0.10%

Run 2: Report of Verus — Data Link

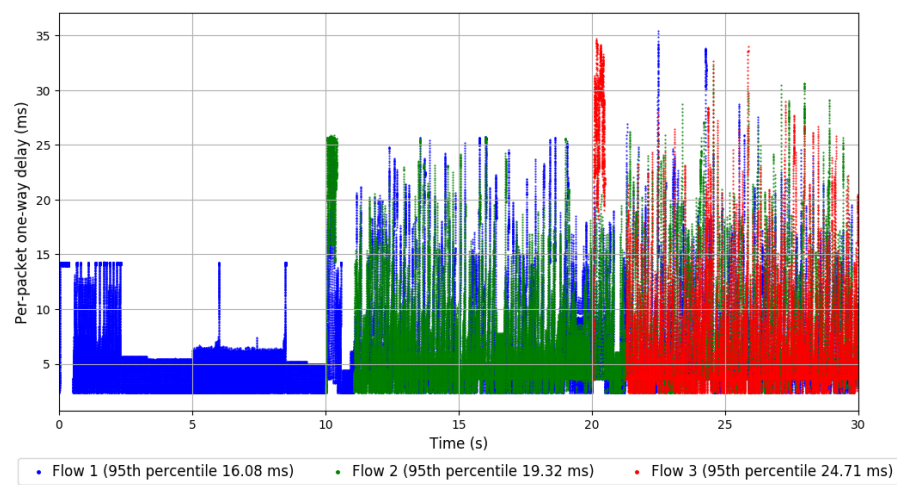
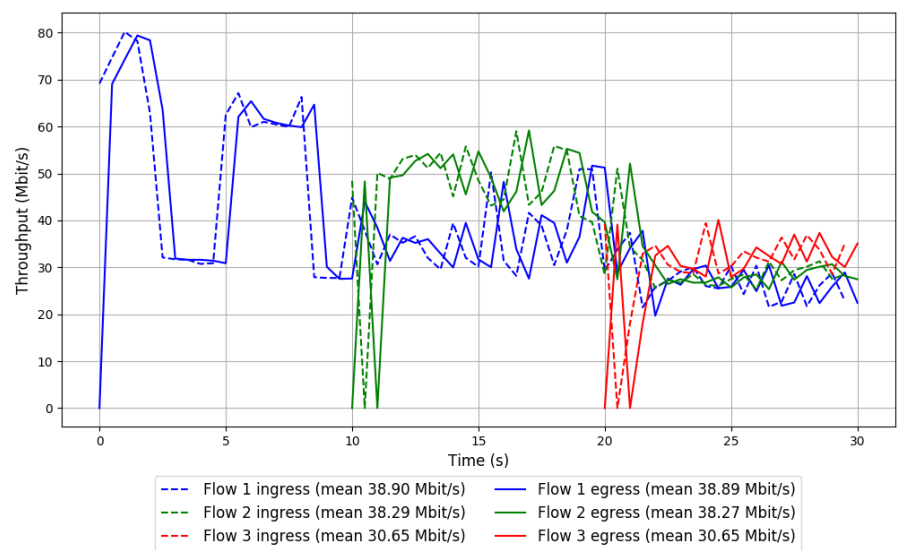


Run 3: Statistics of Verus

Start at: 2018-06-06 03:29:53
End at: 2018-06-06 03:30:23
Local clock offset: -5.05 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-06-06 06:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 18.436 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 16.078 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 24.714 ms
Loss rate: 0.03%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-06 03:47:56

End at: 2018-06-06 03:48:26

Local clock offset: -5.632 ms

Remote clock offset: -2.29 ms

Below is generated by plot.py at 2018-06-06 06:12:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.64 Mbit/s

95th percentile per-packet one-way delay: 17.826 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 14.786 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 20.596 ms

Loss rate: 0.04%

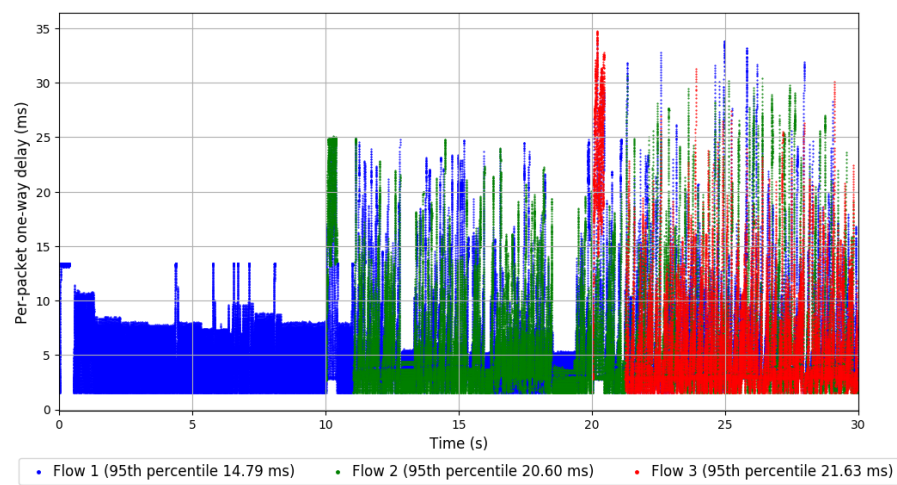
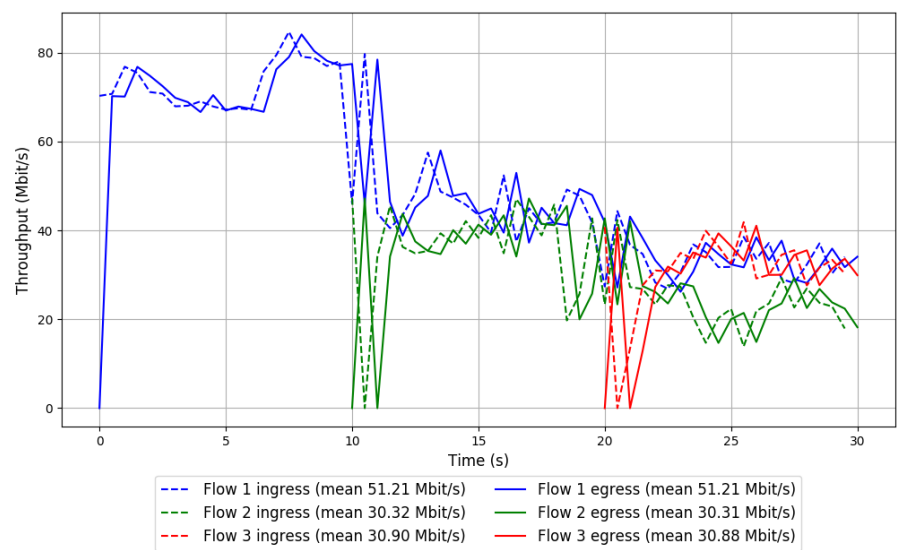
-- Flow 3:

Average throughput: 30.88 Mbit/s

95th percentile per-packet one-way delay: 21.632 ms

Loss rate: 0.09%

Run 4: Report of Verus — Data Link

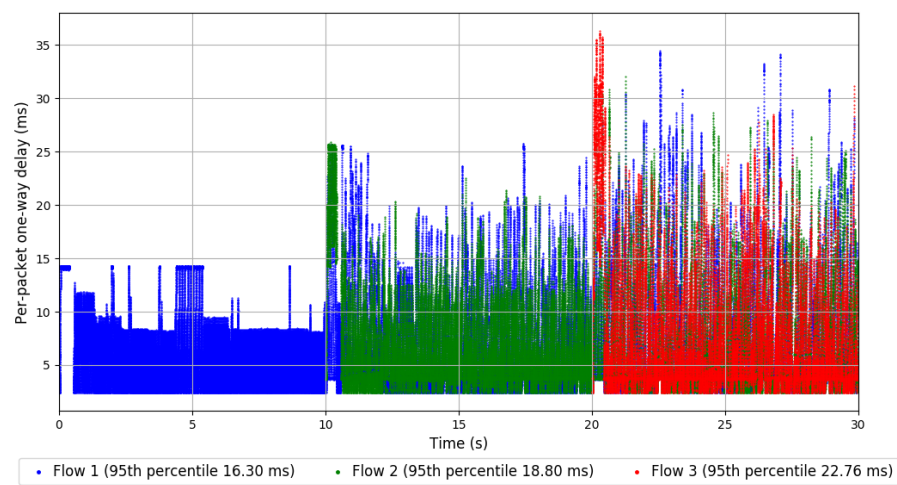
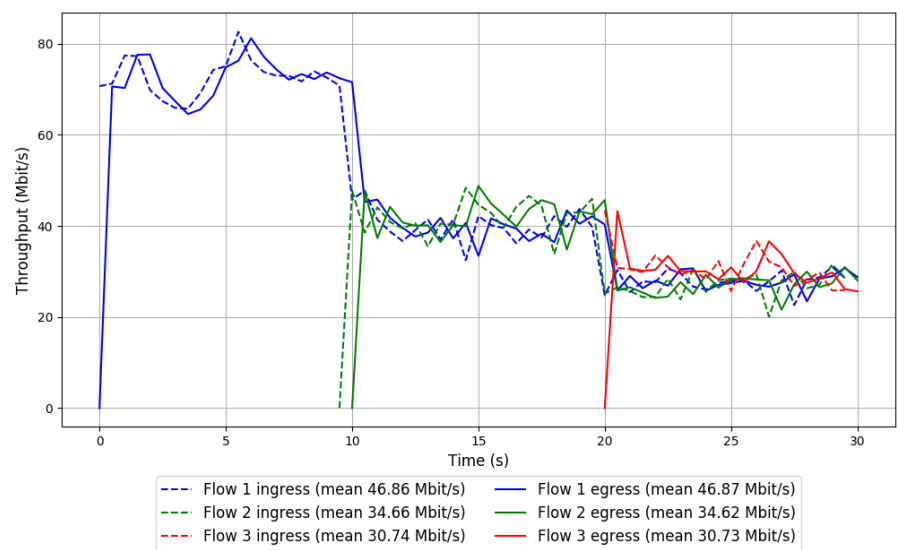


Run 5: Statistics of Verus

Start at: 2018-06-06 04:05:59
End at: 2018-06-06 04:06:29
Local clock offset: -4.829 ms
Remote clock offset: -2.317 ms

Below is generated by plot.py at 2018-06-06 06:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 18.061 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 16.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 22.756 ms
Loss rate: 0.07%

Run 5: Report of Verus — Data Link

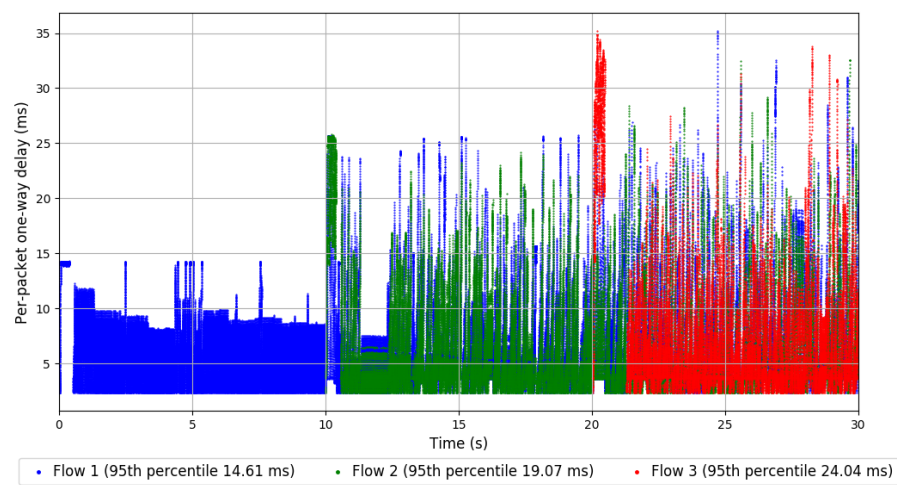
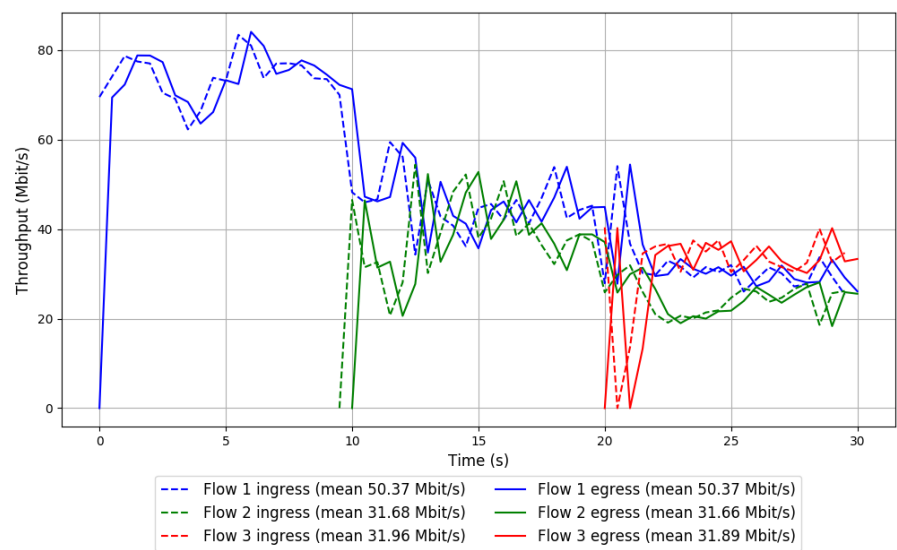


Run 6: Statistics of Verus

Start at: 2018-06-06 04:24:02
End at: 2018-06-06 04:24:32
Local clock offset: -4.956 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-06-06 06:13:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.06 Mbit/s
95th percentile per-packet one-way delay: 17.088 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 14.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 24.042 ms
Loss rate: 0.25%

Run 6: Report of Verus — Data Link

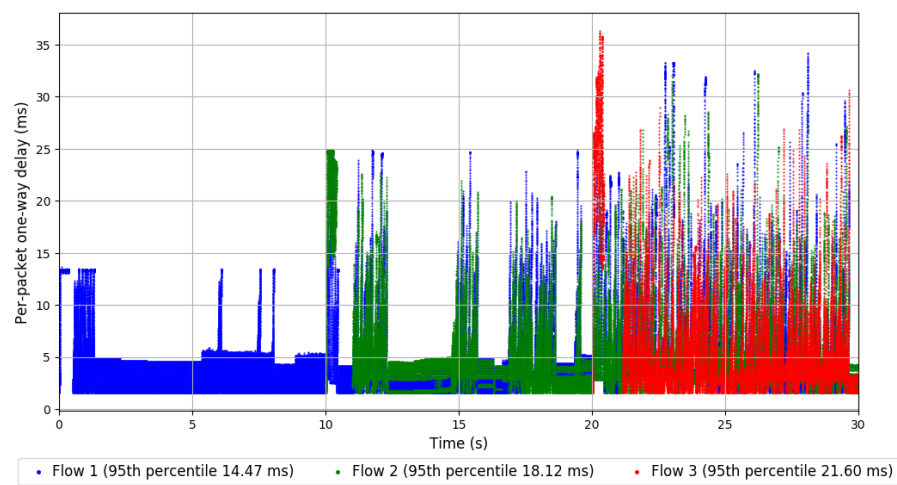
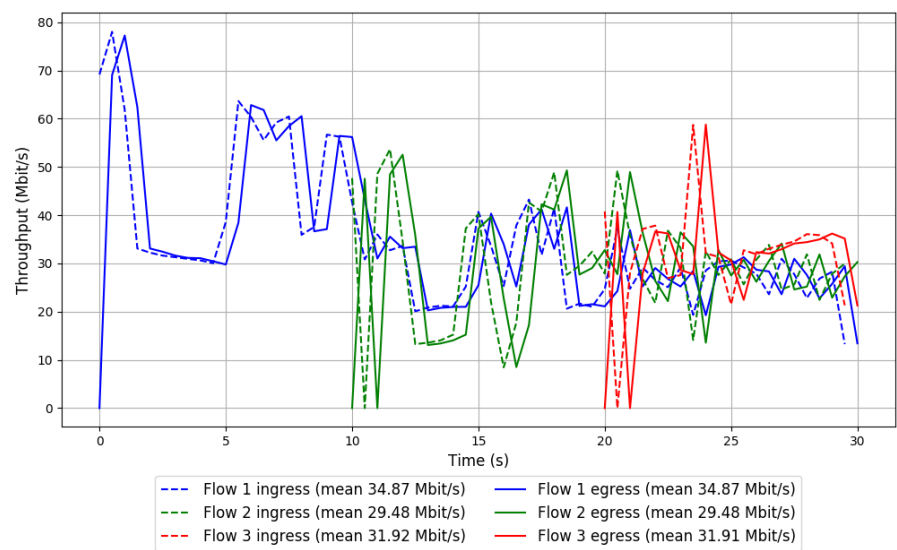


Run 7: Statistics of Verus

Start at: 2018-06-06 04:42:03
End at: 2018-06-06 04:42:33
Local clock offset: -5.874 ms
Remote clock offset: -2.472 ms

Below is generated by plot.py at 2018-06-06 06:13:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 16.893 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 14.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 18.121 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 21.601 ms
Loss rate: 0.03%

Run 7: Report of Verus — Data Link

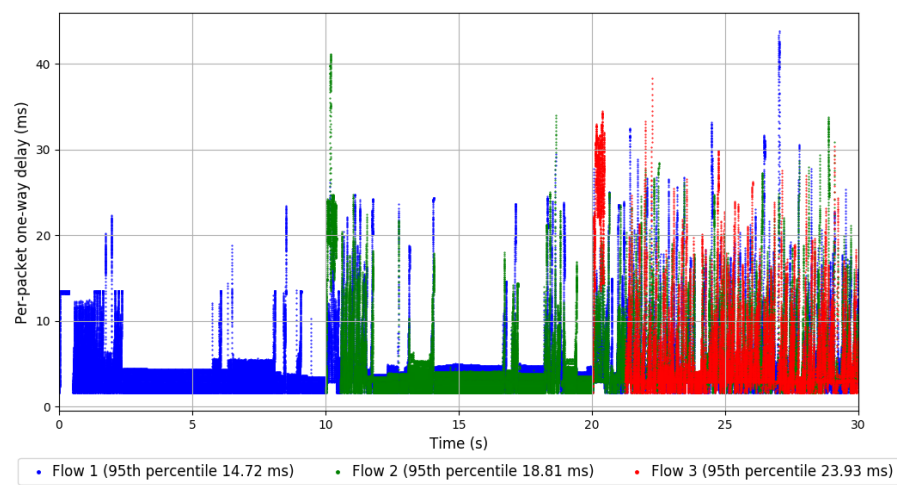
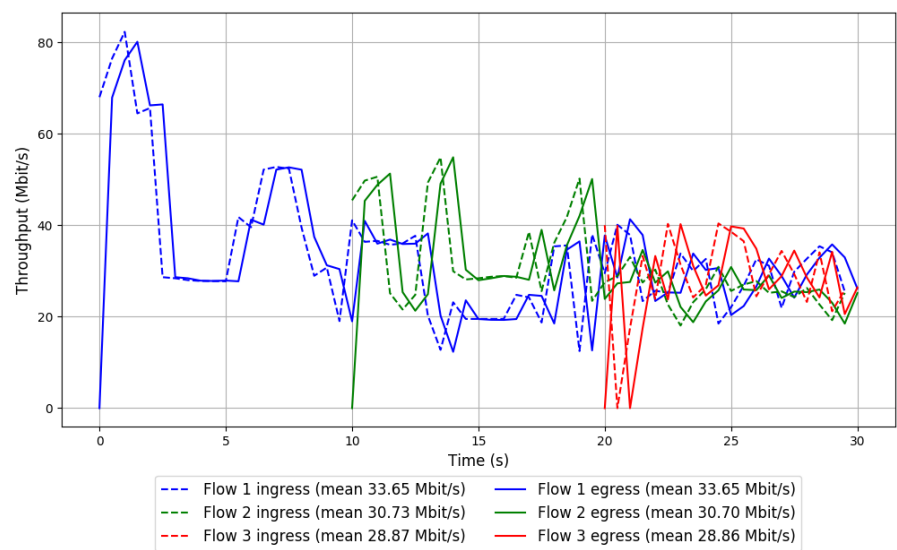


Run 8: Statistics of Verus

Start at: 2018-06-06 05:00:04
End at: 2018-06-06 05:00:34
Local clock offset: -5.977 ms
Remote clock offset: -2.581 ms

Below is generated by plot.py at 2018-06-06 06:13:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 17.733 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 14.718 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 23.935 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link

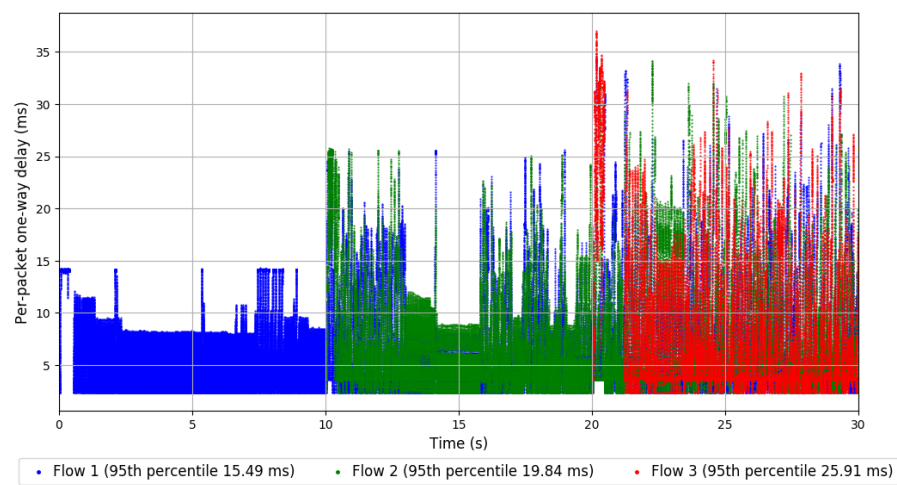
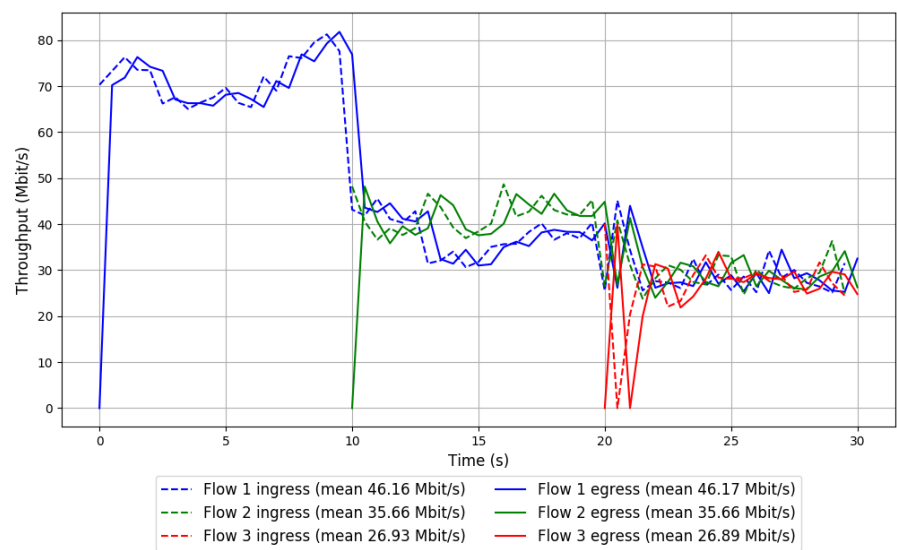


Run 9: Statistics of Verus

Start at: 2018-06-06 05:18:05
End at: 2018-06-06 05:18:35
Local clock offset: -5.146 ms
Remote clock offset: -2.624 ms

Below is generated by plot.py at 2018-06-06 06:13:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 18.631 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 15.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 19.836 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 25.910 ms
Loss rate: 0.02%

Run 9: Report of Verus — Data Link

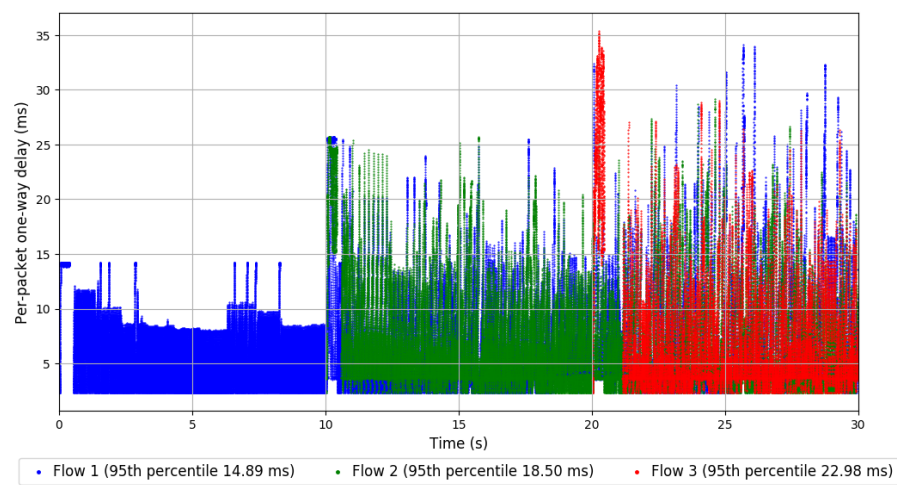
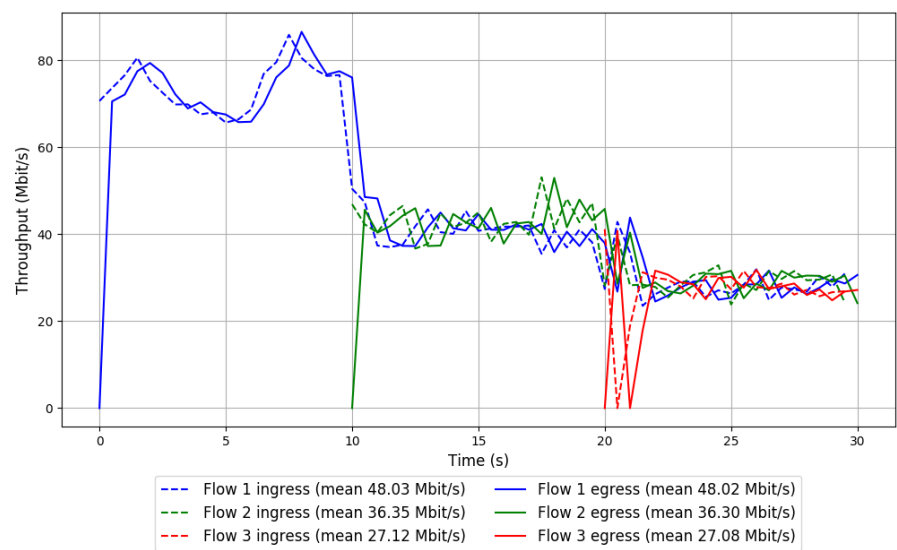


Run 10: Statistics of Verus

Start at: 2018-06-06 05:36:07
End at: 2018-06-06 05:36:37
Local clock offset: -5.08 ms
Remote clock offset: -2.649 ms

Below is generated by plot.py at 2018-06-06 06:13:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 17.435 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 14.889 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 18.498 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 22.981 ms
Loss rate: 0.15%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-06 02:50:32

End at: 2018-06-06 02:51:02

Local clock offset: -6.155 ms

Remote clock offset: -1.98 ms

Below is generated by plot.py at 2018-06-06 06:13:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 20.274 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 22.807 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 27.59 Mbit/s

95th percentile per-packet one-way delay: 15.266 ms

Loss rate: 0.04%

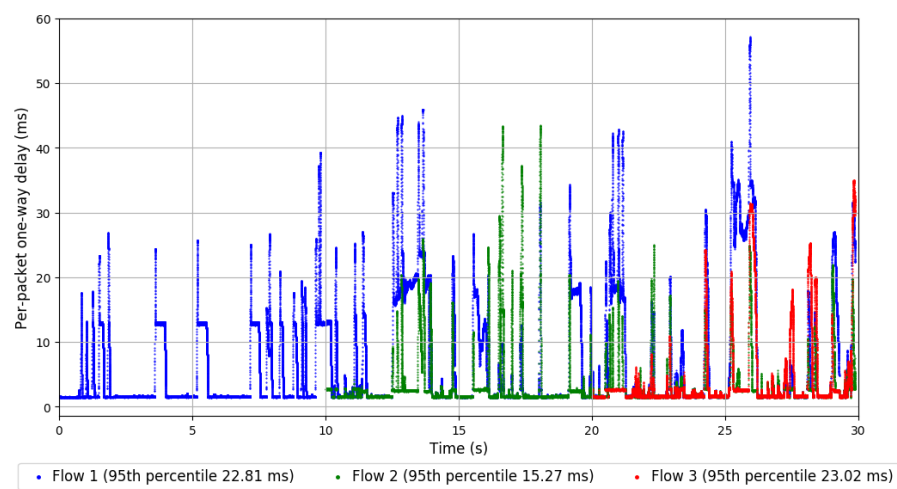
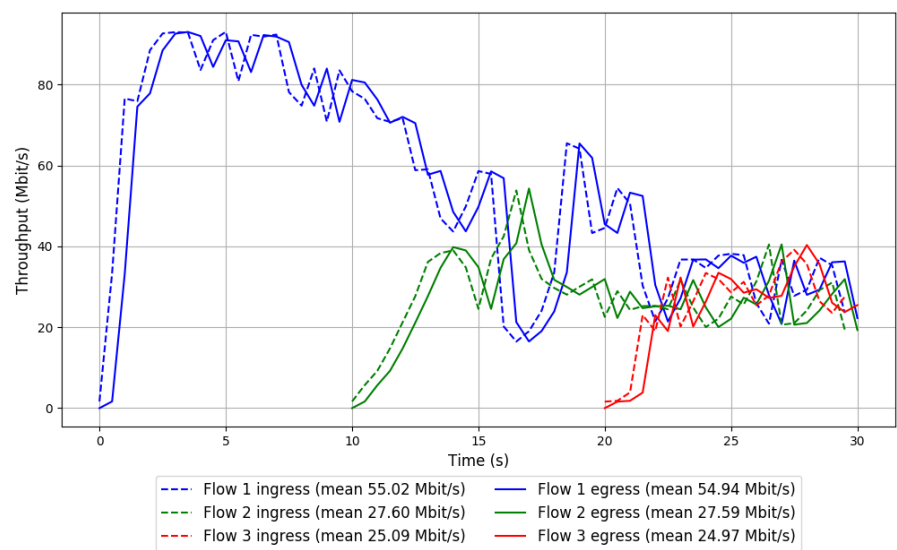
-- Flow 3:

Average throughput: 24.97 Mbit/s

95th percentile per-packet one-way delay: 23.023 ms

Loss rate: 0.51%

Run 1: Report of PCC-Vivace — Data Link

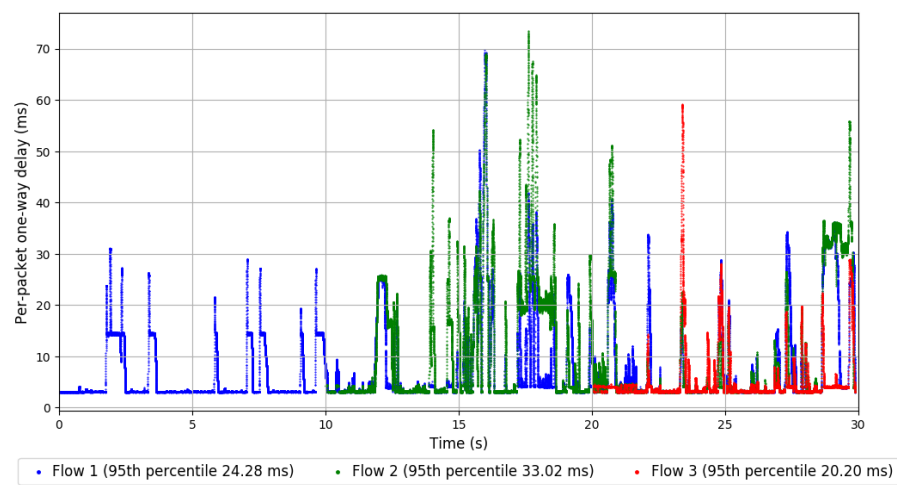
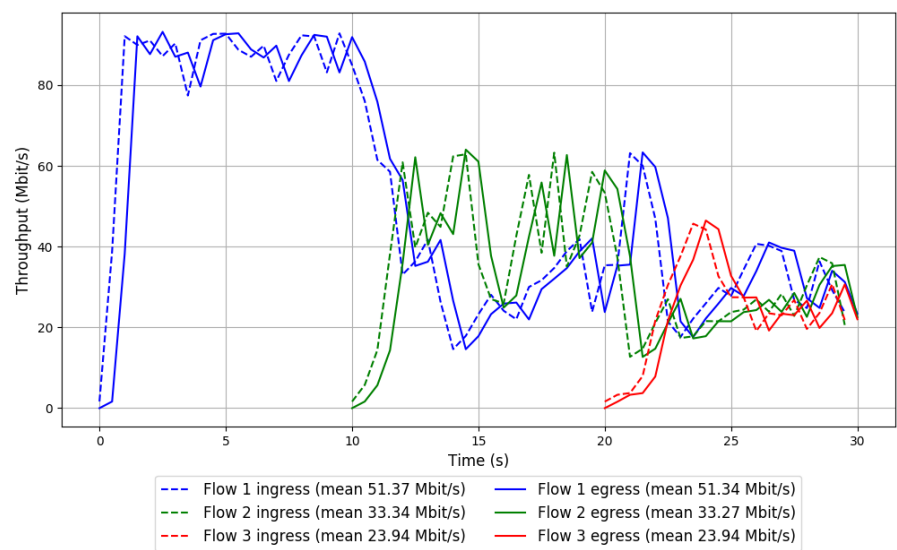


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-06 03:08:30
End at: 2018-06-06 03:09:00
Local clock offset: -4.483 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-06-06 06:14:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 26.184 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 24.282 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 33.022 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 20.197 ms
Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link

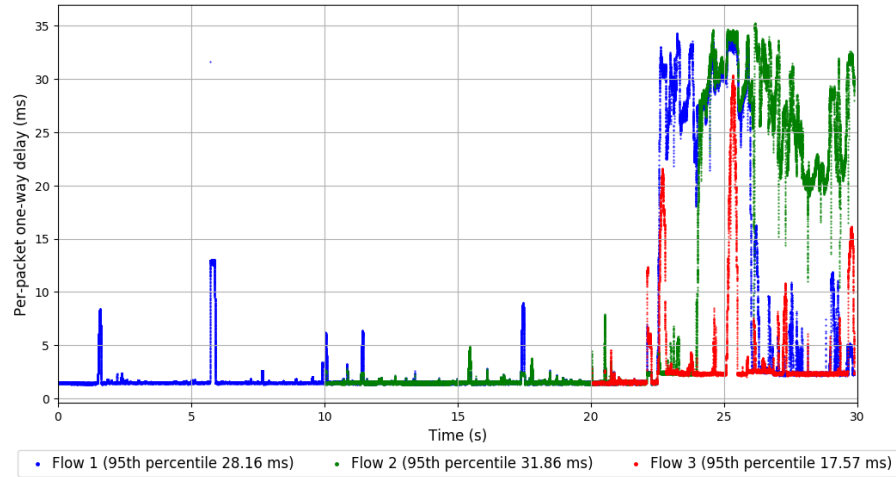
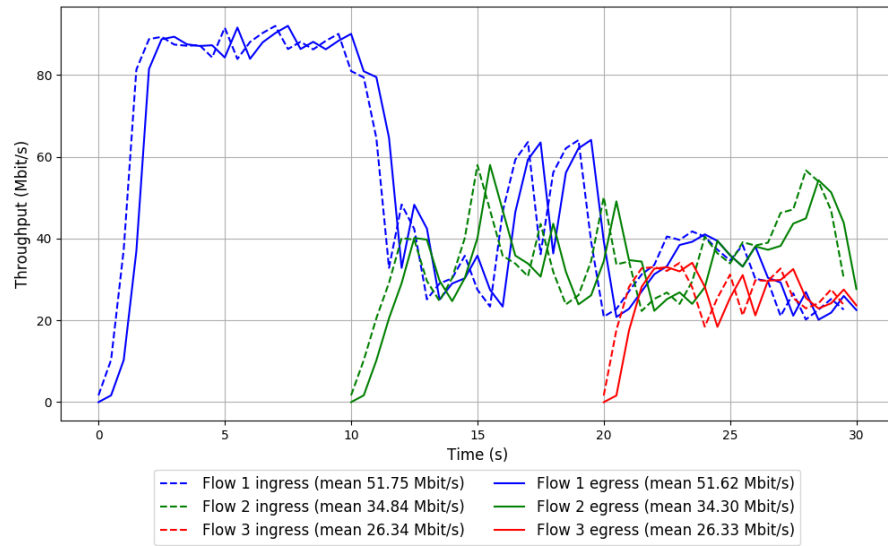


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-06 03:26:31
End at: 2018-06-06 03:27:01
Local clock offset: -5.905 ms
Remote clock offset: -2.035 ms

Below is generated by plot.py at 2018-06-06 06:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 29.861 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 28.163 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 31.861 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 17.573 ms
Loss rate: 0.08%

Run 3: Report of PCC-Vivace — Data Link

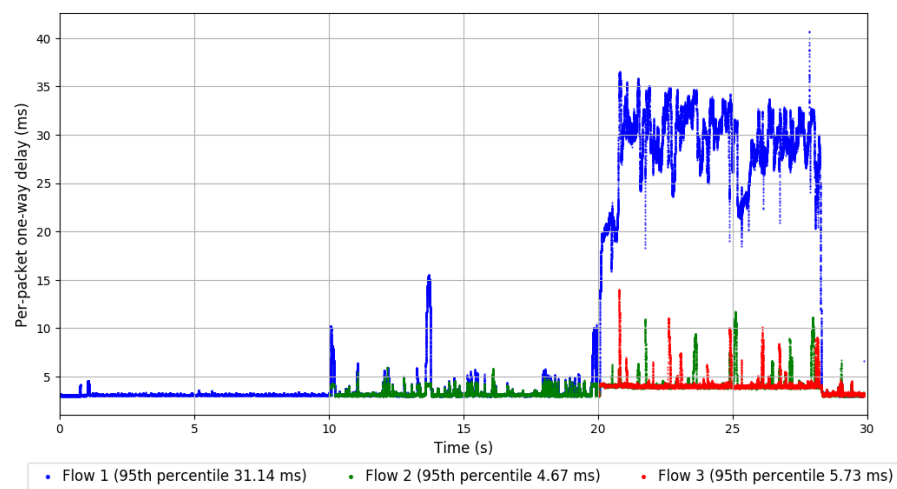
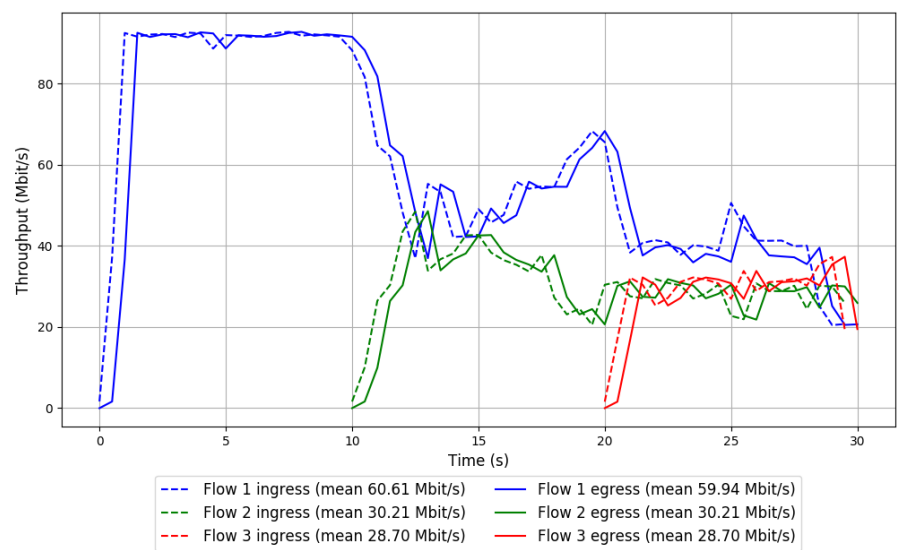


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-06 03:44:33
End at: 2018-06-06 03:45:03
Local clock offset: -4.12 ms
Remote clock offset: -2.297 ms

Below is generated by plot.py at 2018-06-06 06:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 30.077 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 4.671 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 5.733 ms
Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link

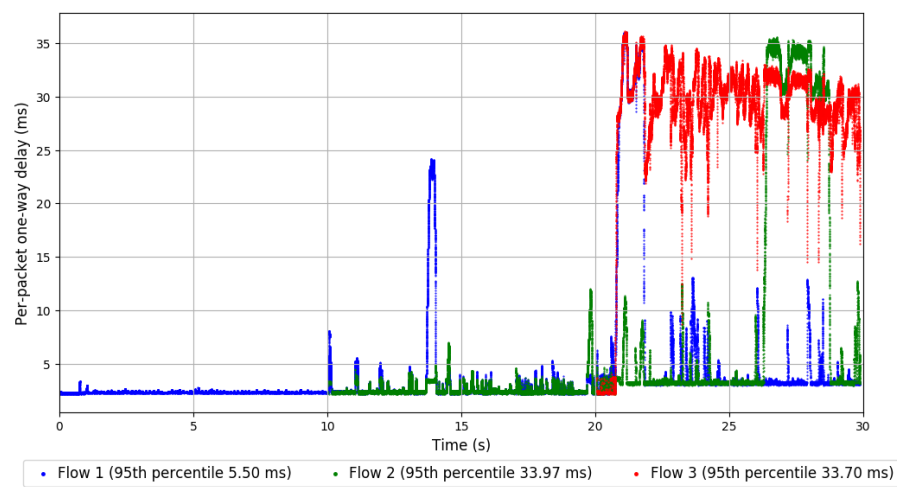
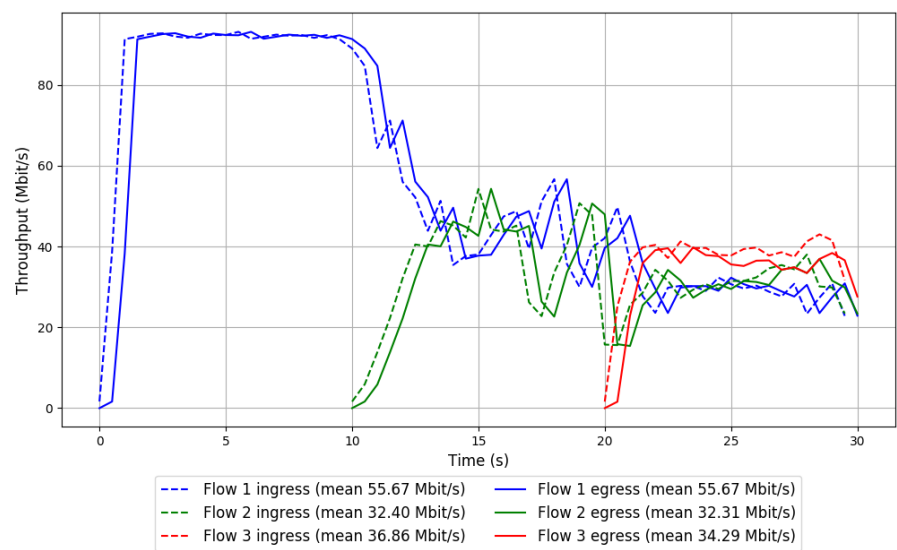


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-06 04:02:37
End at: 2018-06-06 04:03:07
Local clock offset: -4.783 ms
Remote clock offset: -2.266 ms

Below is generated by plot.py at 2018-06-06 06:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 5.504 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 33.968 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 33.703 ms
Loss rate: 7.00%

Run 5: Report of PCC-Vivace — Data Link

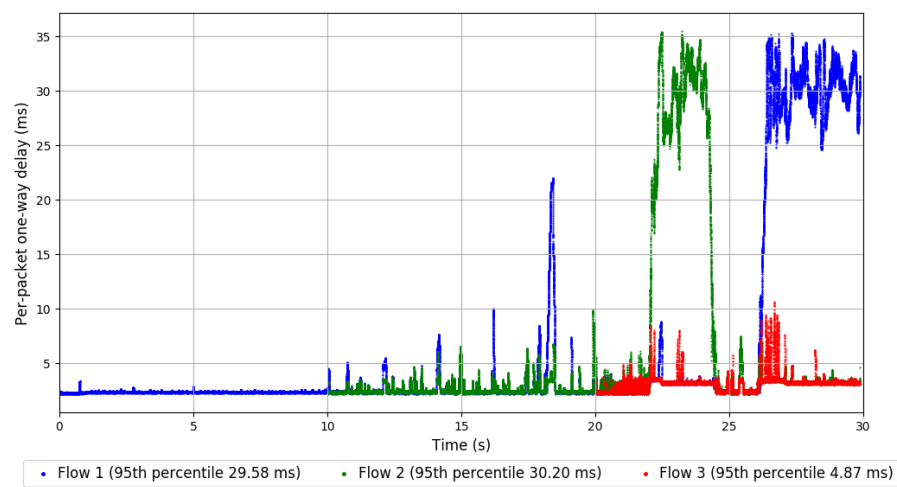
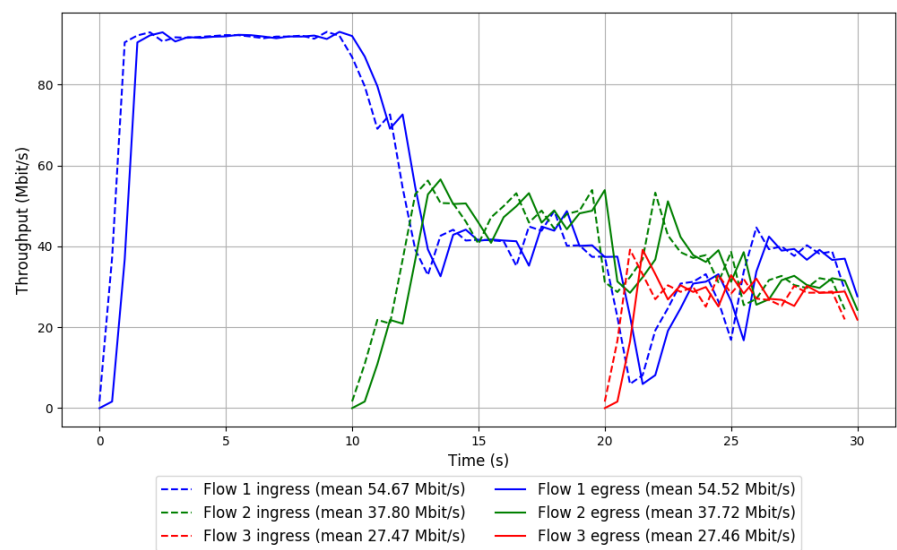


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-06 04:20:39
End at: 2018-06-06 04:21:09
Local clock offset: -4.944 ms
Remote clock offset: -2.224 ms

Below is generated by plot.py at 2018-06-06 06:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 29.317 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 29.584 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 30.200 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 4.868 ms
Loss rate: 0.04%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-06 04:38:41

End at: 2018-06-06 04:39:11

Local clock offset: -5.056 ms

Remote clock offset: -2.51 ms

Below is generated by plot.py at 2018-06-06 06:14:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 28.610 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 29.829 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 36.78 Mbit/s

95th percentile per-packet one-way delay: 6.929 ms

Loss rate: 0.02%

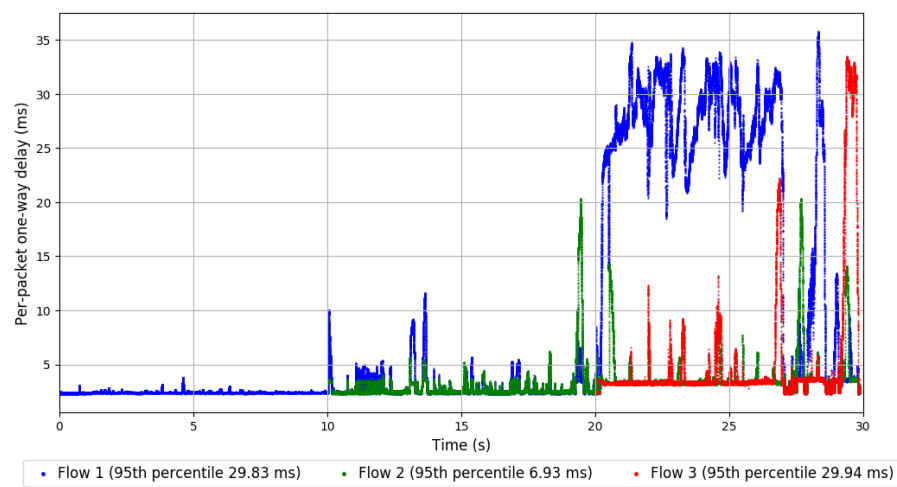
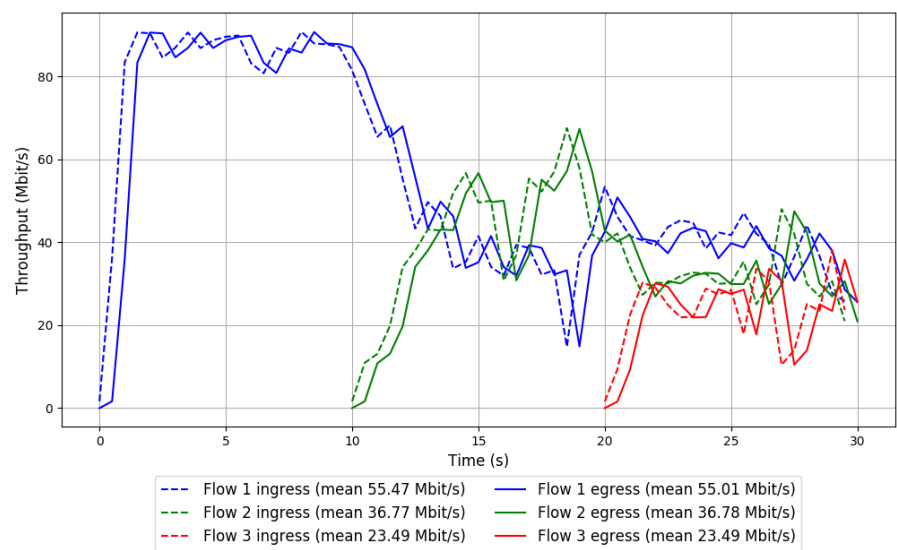
-- Flow 3:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 29.937 ms

Loss rate: 0.09%

Run 7: Report of PCC-Vivace — Data Link

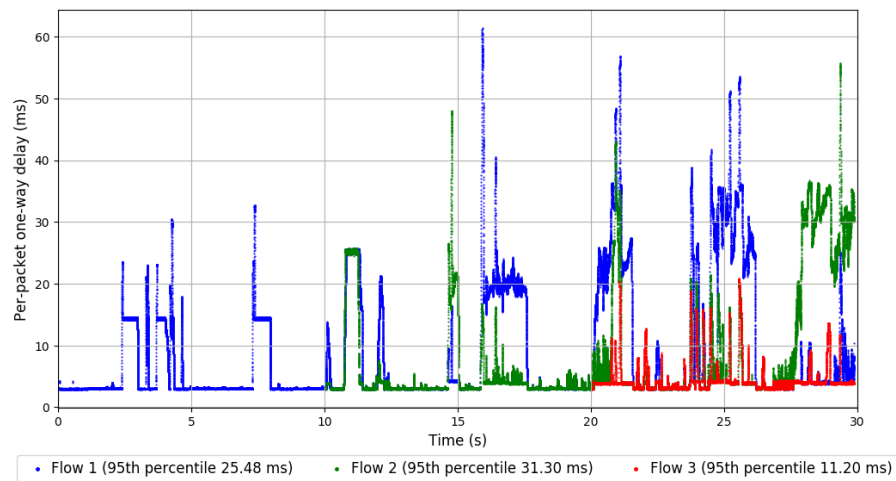
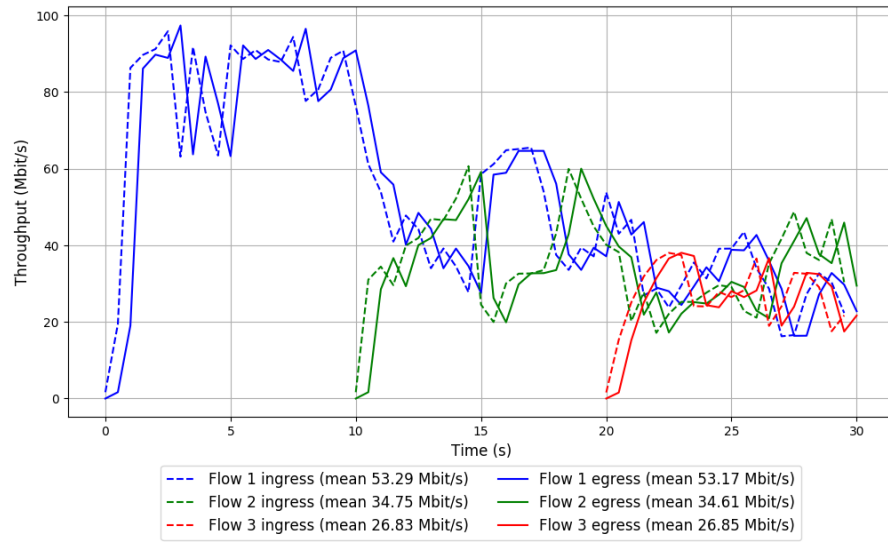


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-06 04:56:41
End at: 2018-06-06 04:57:11
Local clock offset: -4.519 ms
Remote clock offset: -2.518 ms

Below is generated by plot.py at 2018-06-06 06:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 26.748 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 25.478 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 31.301 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 11.202 ms
Loss rate: 0.06%

Run 8: Report of PCC-Vivace — Data Link

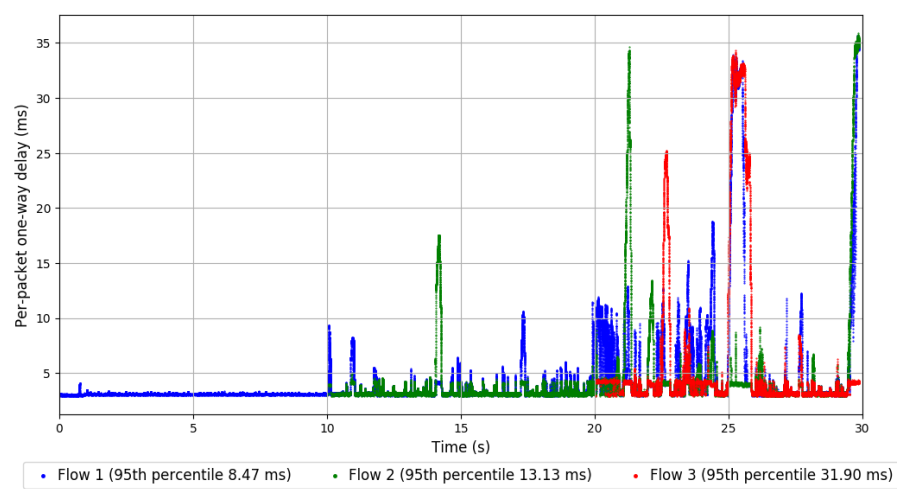
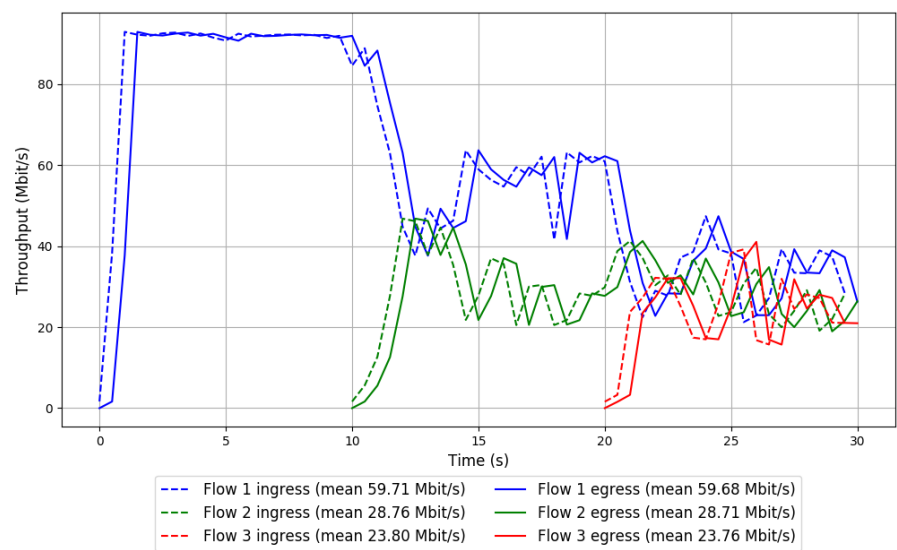


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-06 05:14:42
End at: 2018-06-06 05:15:12
Local clock offset: -4.39 ms
Remote clock offset: -2.575 ms

Below is generated by plot.py at 2018-06-06 06:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 10.675 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 8.471 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 13.131 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 31.904 ms
Loss rate: 0.17%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-06 05:32:44

End at: 2018-06-06 05:33:14

Local clock offset: -5.841 ms

Remote clock offset: -2.75 ms

Below is generated by plot.py at 2018-06-06 06:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 28.324 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 59.64 Mbit/s

95th percentile per-packet one-way delay: 7.087 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 31.909 ms

Loss rate: 0.91%

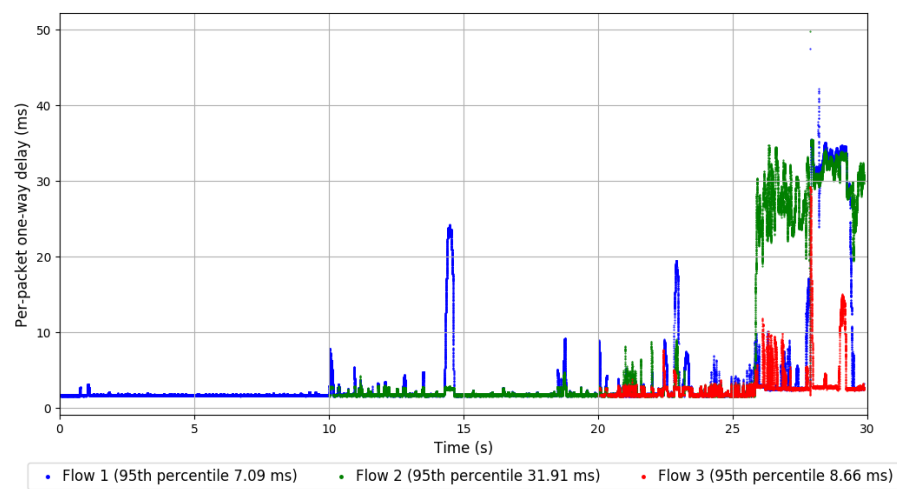
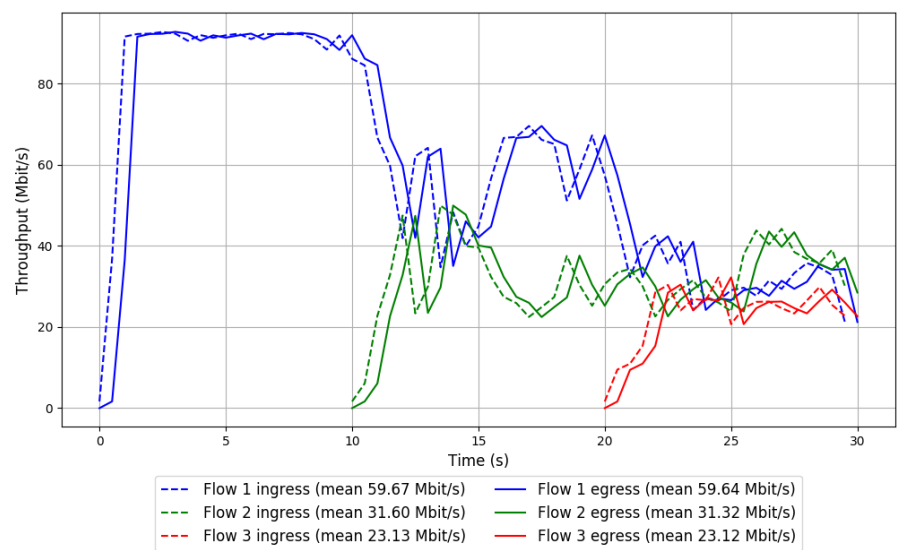
-- Flow 3:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 8.662 ms

Loss rate: 0.07%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-06 02:59:26

End at: 2018-06-06 02:59:56

Local clock offset: -6.185 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2018-06-06 06:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 2.655 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 2.615 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 2.536 ms

Loss rate: 0.00%

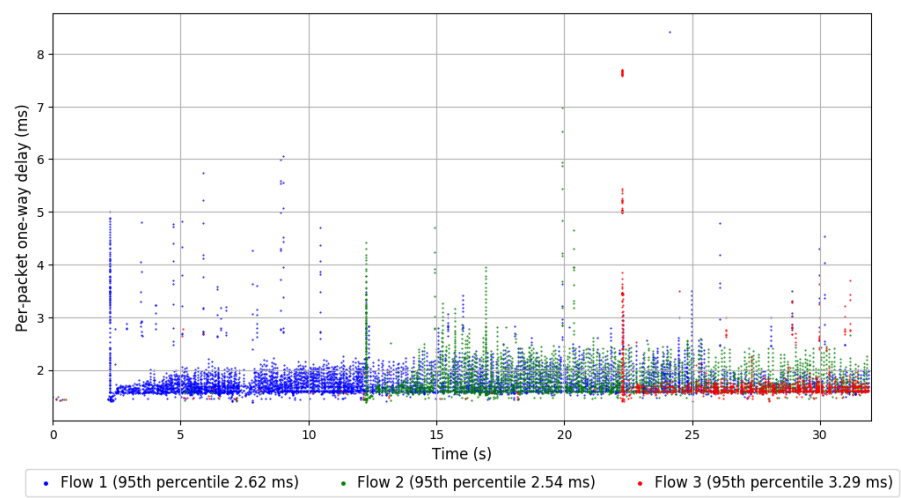
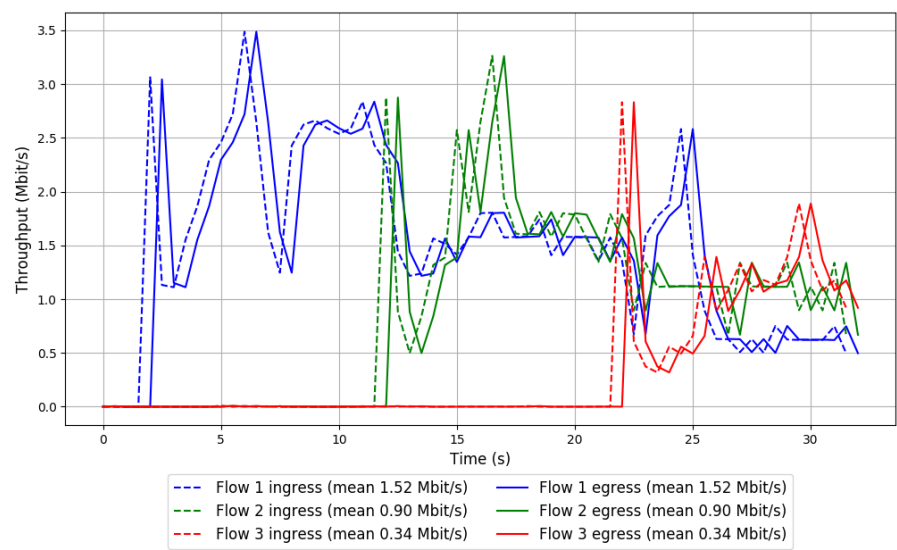
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 3.288 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

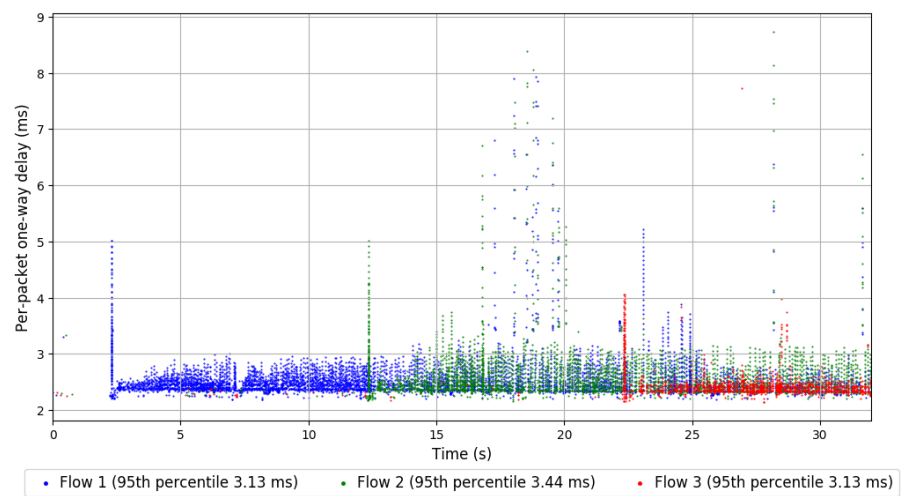
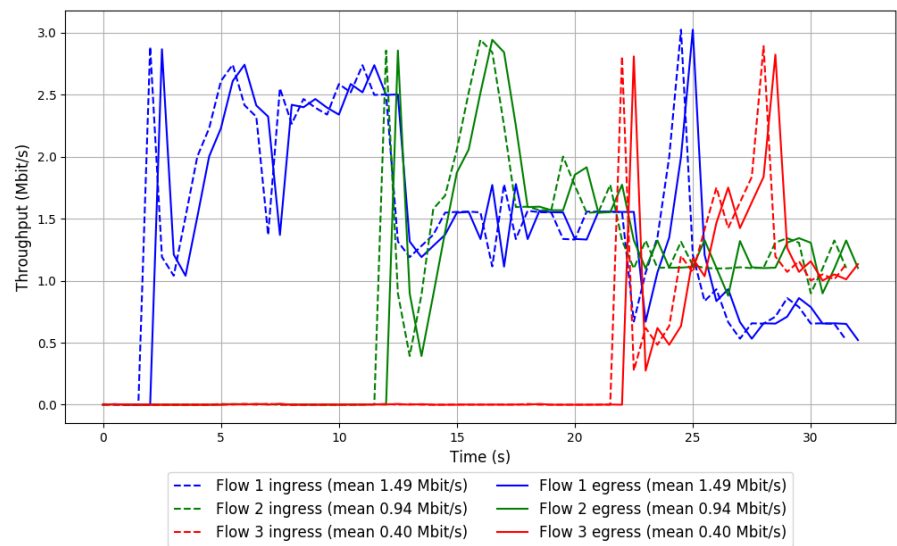


Run 2: Statistics of WebRTC media

Start at: 2018-06-06 03:17:24
End at: 2018-06-06 03:17:54
Local clock offset: -5.131 ms
Remote clock offset: -1.293 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 3.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 3.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 3.126 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-06 03:35:27

End at: 2018-06-06 03:35:57

Local clock offset: -5.844 ms

Remote clock offset: -2.32 ms

Below is generated by plot.py at 2018-06-06 06:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 2.768 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 2.773 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 2.688 ms

Loss rate: 0.00%

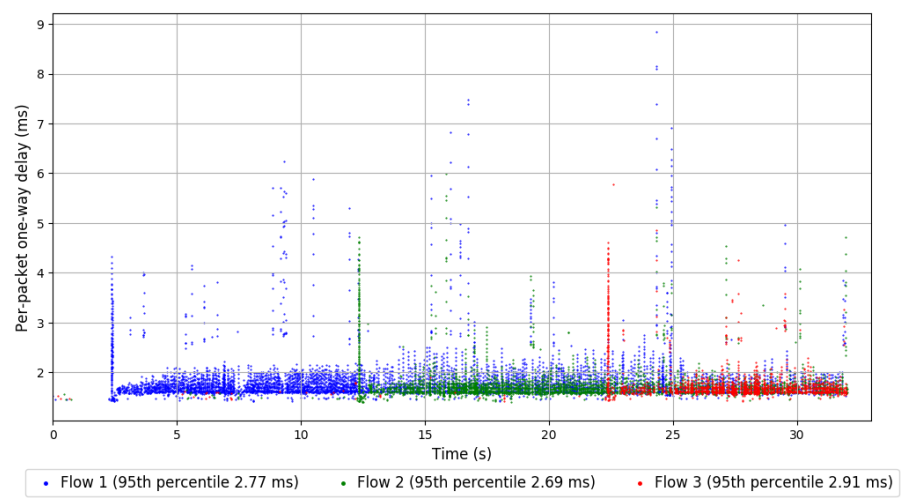
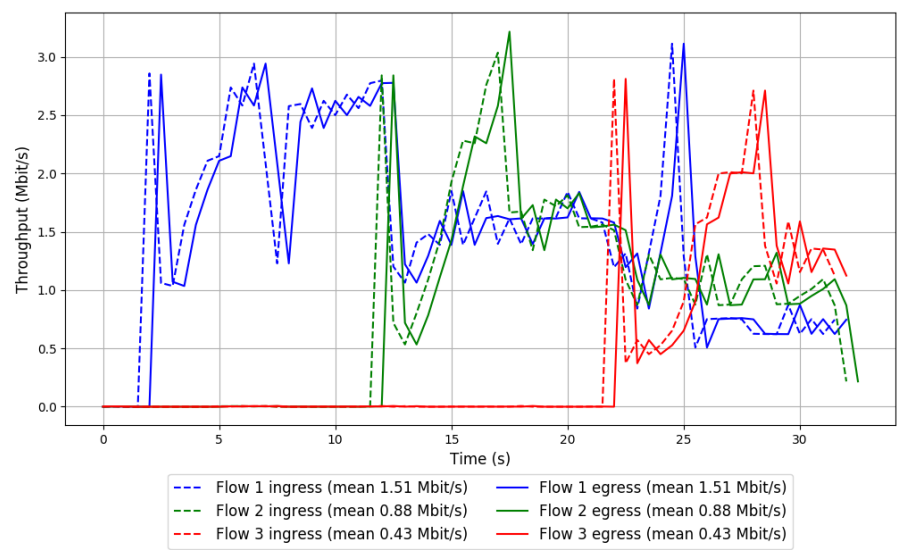
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.910 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

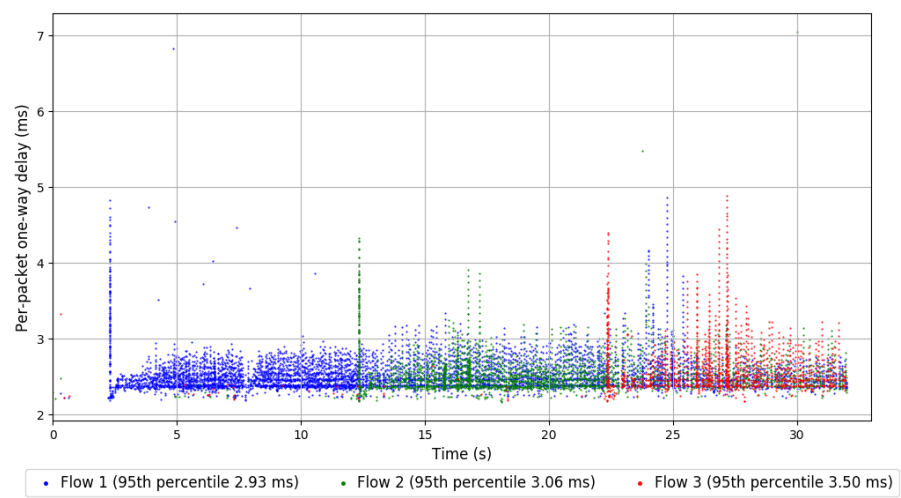
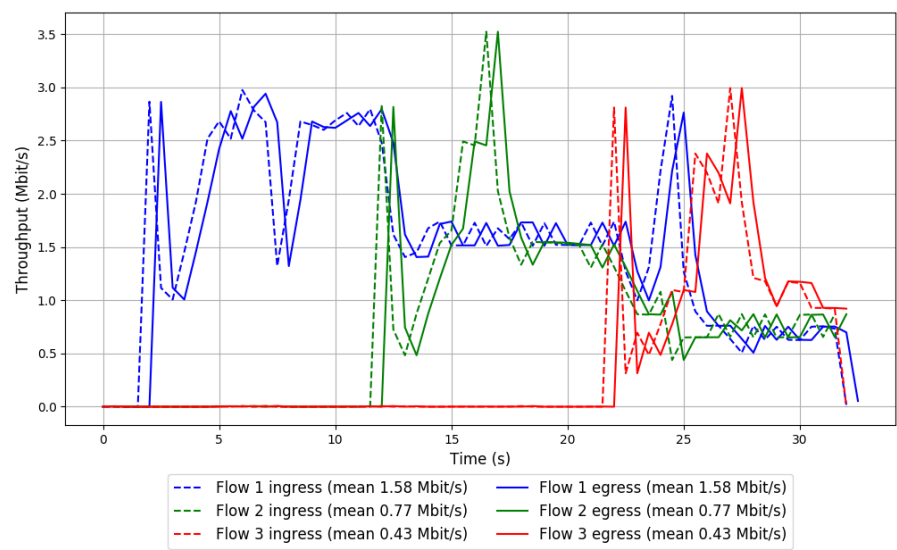


Run 4: Statistics of WebRTC media

Start at: 2018-06-06 03:53:30
End at: 2018-06-06 03:54:00
Local clock offset: -4.842 ms
Remote clock offset: -2.292 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 3.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 2.929 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 3.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.497 ms
Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link

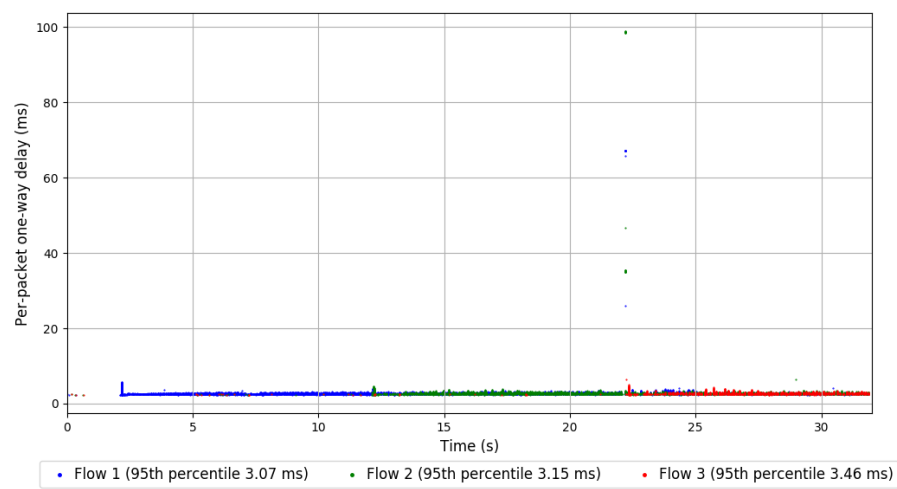
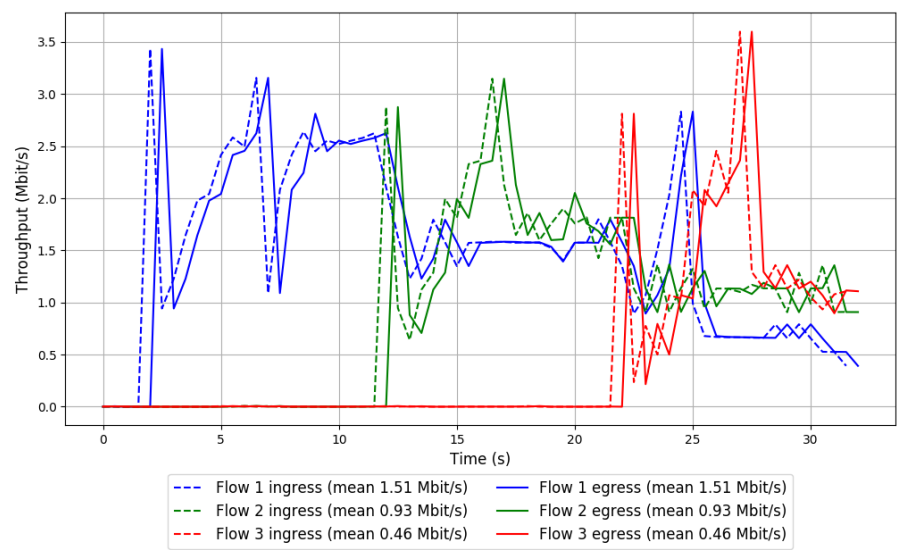


Run 5: Statistics of WebRTC media

Start at: 2018-06-06 04:11:32
End at: 2018-06-06 04:12:02
Local clock offset: -4.907 ms
Remote clock offset: -2.305 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 3.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 3.456 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

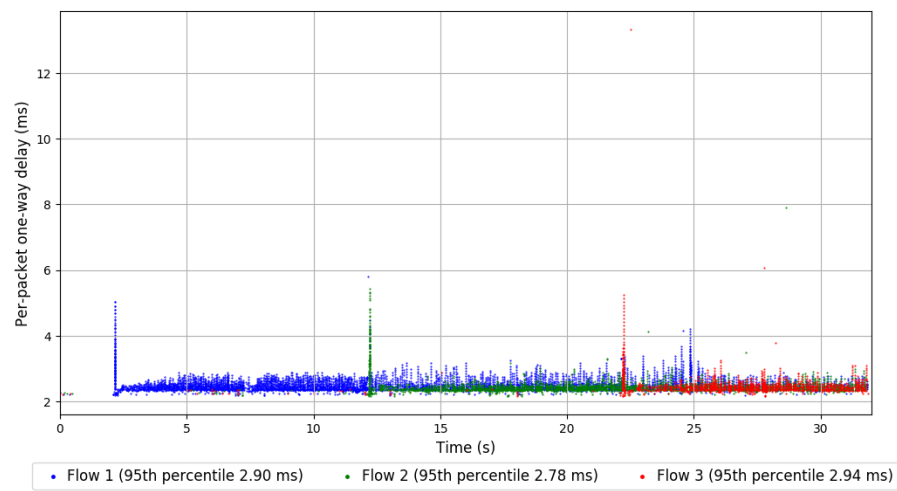
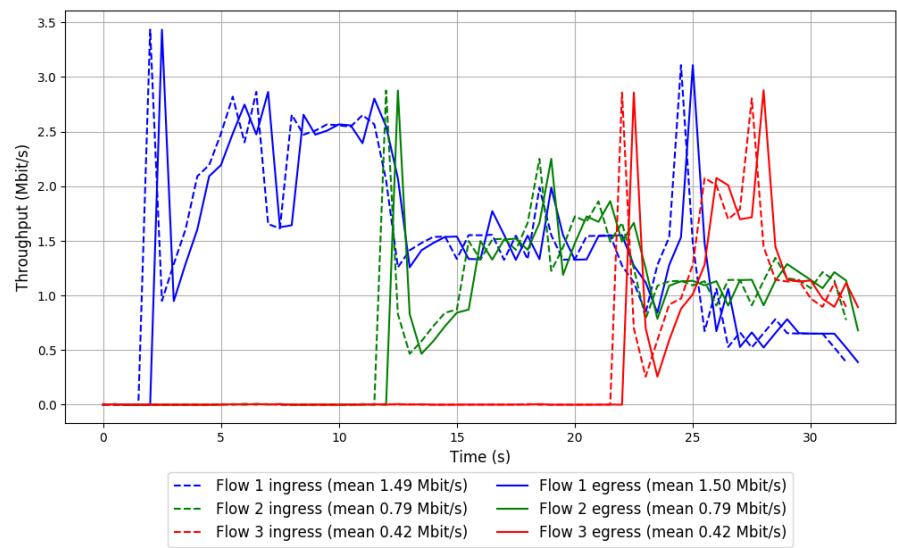


Run 6: Statistics of WebRTC media

Start at: 2018-06-06 04:29:34
End at: 2018-06-06 04:30:04
Local clock offset: -4.959 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 2.935 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

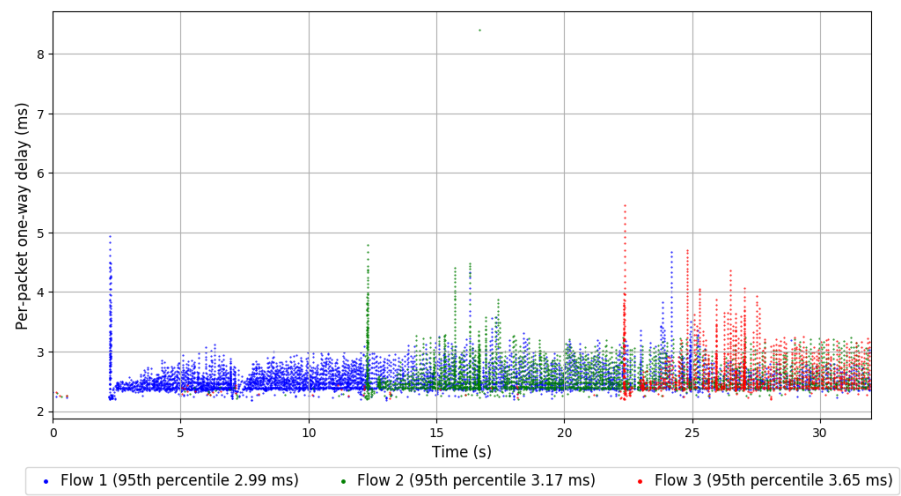
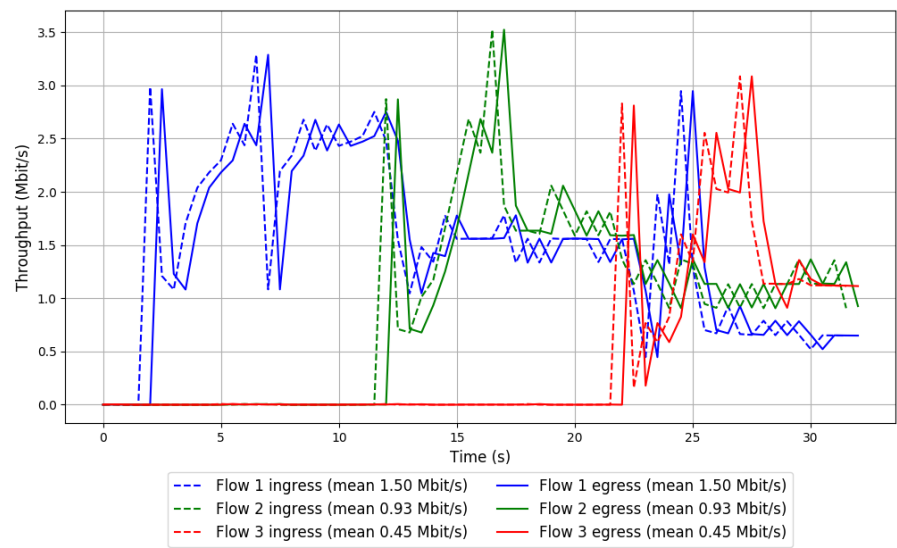


Run 7: Statistics of WebRTC media

Start at: 2018-06-06 04:47:35
End at: 2018-06-06 04:48:05
Local clock offset: -5.16 ms
Remote clock offset: -2.495 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 3.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.647 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

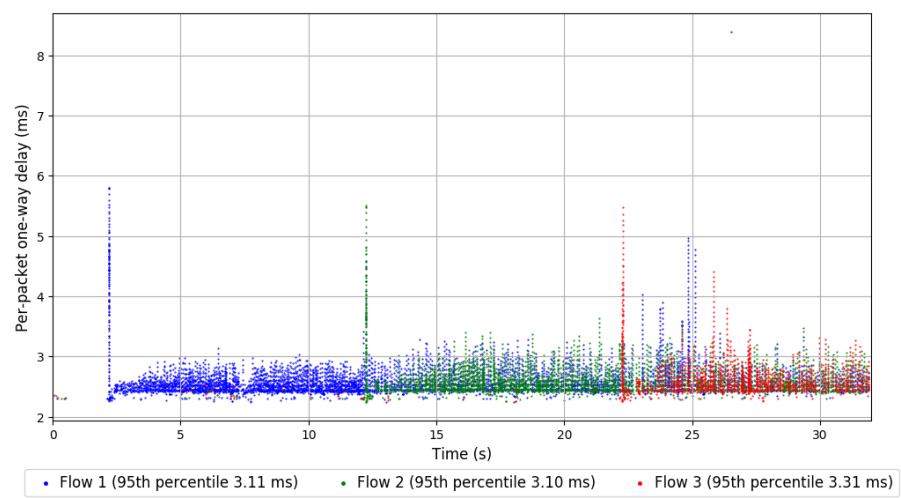
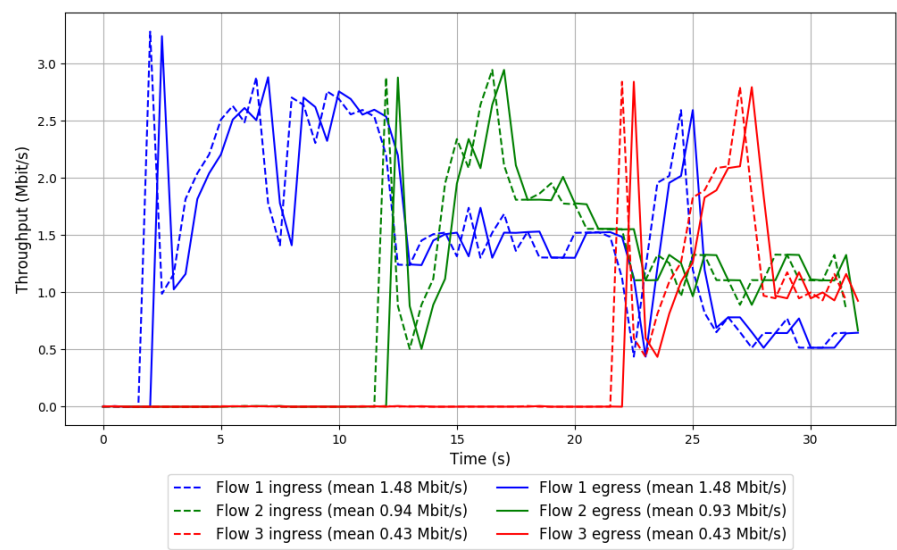


Run 8: Statistics of WebRTC media

Start at: 2018-06-06 05:05:35
End at: 2018-06-06 05:06:05
Local clock offset: -5.213 ms
Remote clock offset: -2.616 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 3.102 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.305 ms
Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-06 05:23:37

End at: 2018-06-06 05:24:07

Local clock offset: -4.297 ms

Remote clock offset: -2.56 ms

Below is generated by plot.py at 2018-06-06 06:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 3.779 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 3.702 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 3.696 ms

Loss rate: 0.00%

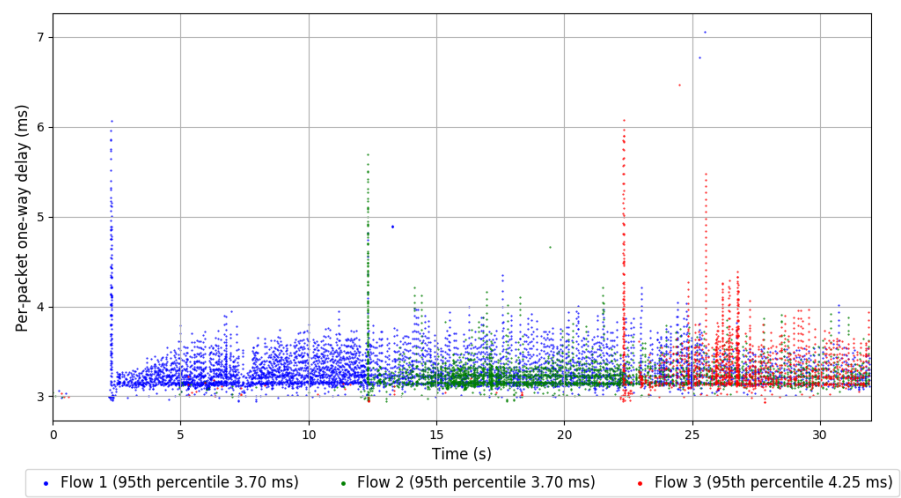
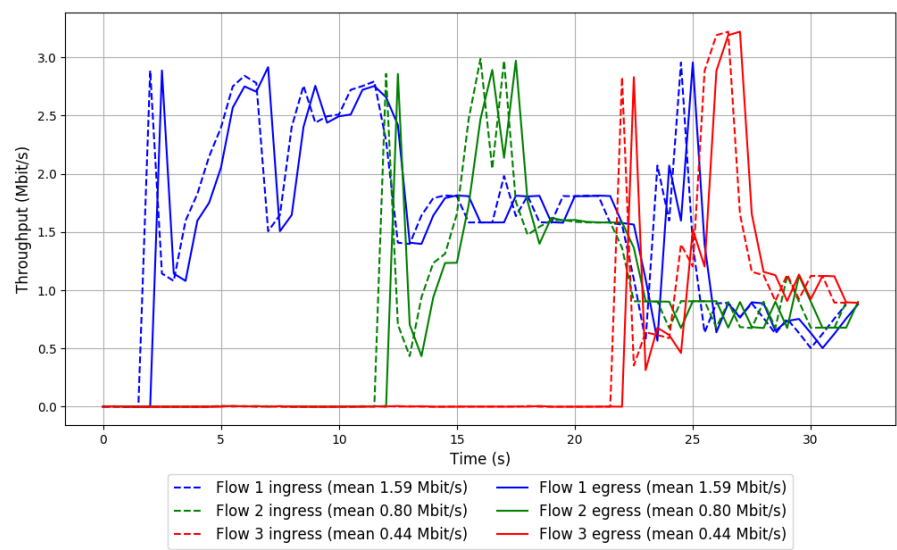
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 4.251 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-06 05:41:40
End at: 2018-06-06 05:42:10
Local clock offset: -5.132 ms
Remote clock offset: -2.791 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 3.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 3.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 3.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 3.467 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

