

Pantheon Report

Generated at 2018-06-19 12:23:33 (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.

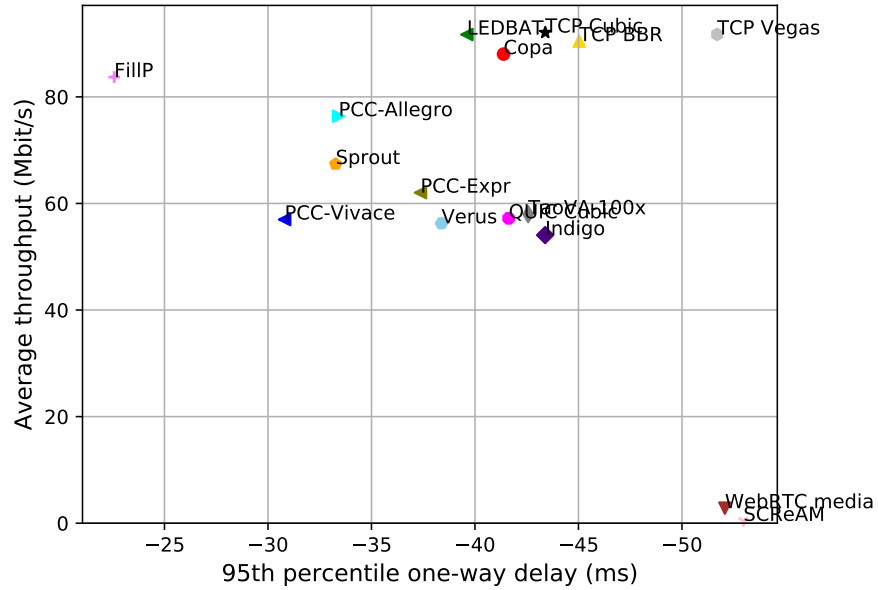
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

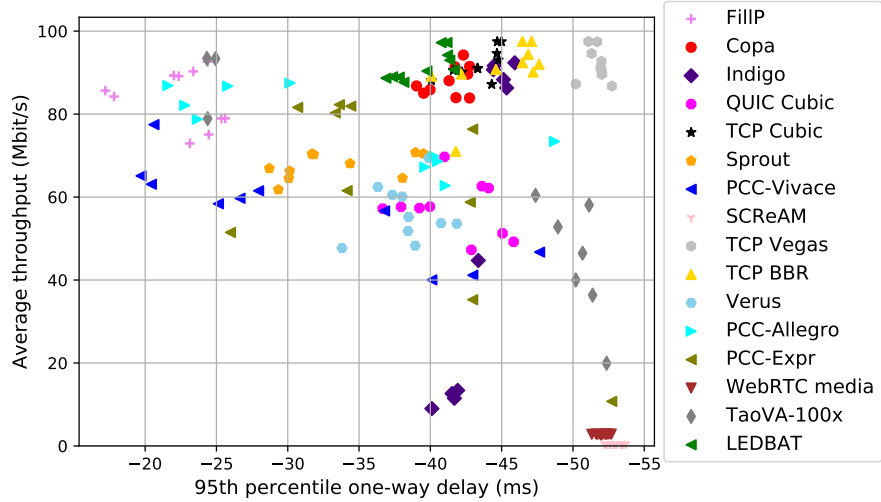
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
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 @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
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	54.98	38.16	30.30	-46.15	-44.20	-43.11	0.68	0.68	1.16
Copa	10	52.81	38.08	29.69	-42.49	-40.43	-39.80	0.05	0.07	0.15
TCP Cubic	10	56.15	38.56	30.79	-43.97	-42.65	-42.14	0.12	0.18	0.30
FillP	10	51.76	34.79	26.61	-25.26	-20.13	-14.44	9.42	11.00	11.45
Indigo	10	31.57	23.51	21.09	-44.45	-43.58	-41.04	3.91	3.75	4.37
LEDBAT	10	56.08	37.97	31.10	-40.62	-38.81	-38.05	0.19	0.30	0.41
PCC-Allegro	10	62.58	13.93	13.79	-34.35	-40.80	-39.41	9.23	7.33	7.75
PCC-Expr	10	39.15	22.76	23.45	-40.11	-41.35	-43.72	0.95	0.71	1.69
QUIC Cubic	10	5.79	59.40	40.74	-52.01	-41.56	-41.85	0.73	3.44	3.99
SCReAM	10	0.22	0.21	0.22	-52.96	-53.03	-53.05	0.00	0.08	0.07
Sprout	10	35.74	33.33	28.78	-35.77	-32.64	-28.24	1.16	1.69	3.40
TaoVA-100x	10	32.11	26.91	23.89	-42.52	-42.93	-42.49	0.54	0.44	0.77
TCP Vegas	10	53.90	37.98	37.70	-52.00	-51.89	-50.73	0.05	0.05	0.03
Verus	10	31.27	25.57	24.00	-39.73	-38.54	-33.48	1.45	2.16	3.32
PCC-Vivace	10	29.26	30.49	22.55	-33.61	-35.13	-29.13	0.82	1.46	1.61
WebRTC media	10	1.52	0.88	0.42	-52.10	-52.07	-52.09	0.06	0.07	0.10

Run 1: Statistics of TCP BBR

Start at: 2018-06-19 09:08:23

End at: 2018-06-19 09:08:53

Local clock offset: -4.845 ms

Remote clock offset: 52.48 ms

Below is generated by plot.py at 2018-06-19 12:05:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.14 Mbit/s

95th percentile per-packet one-way delay: -47.211 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: -48.246 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: -46.769 ms

Loss rate: 0.03%

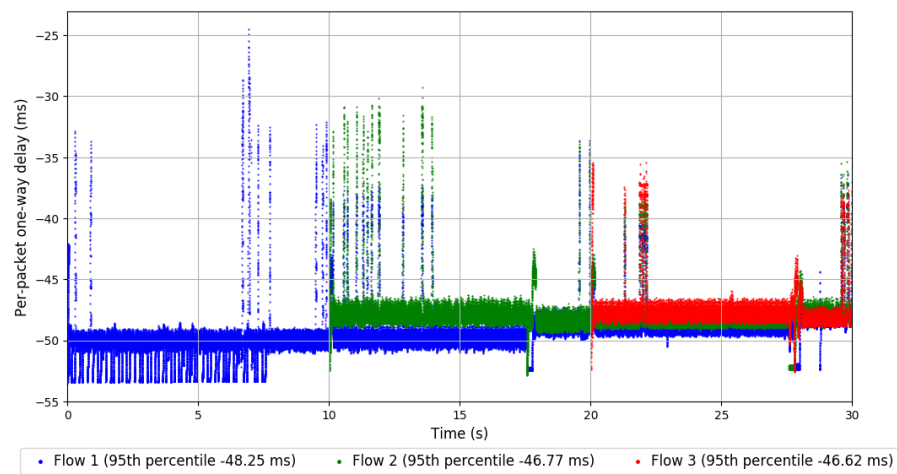
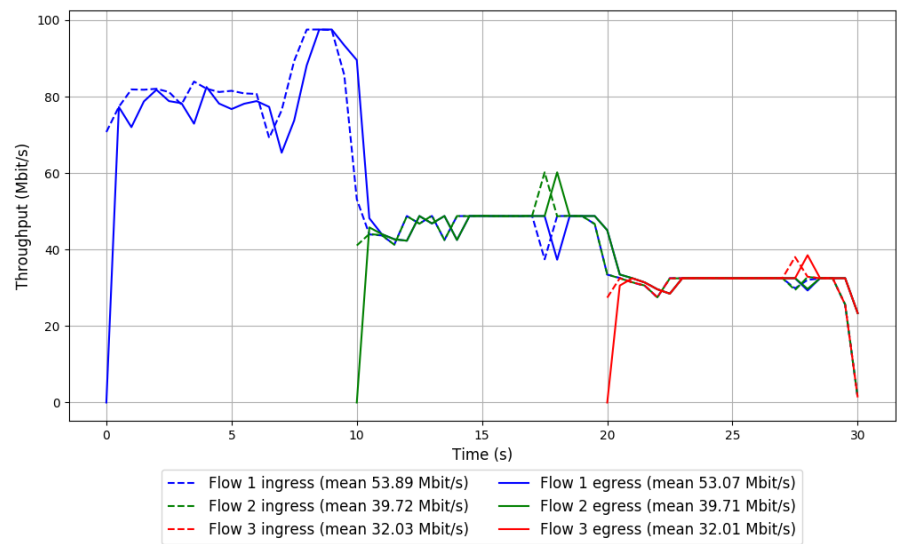
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: -46.620 ms

Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link

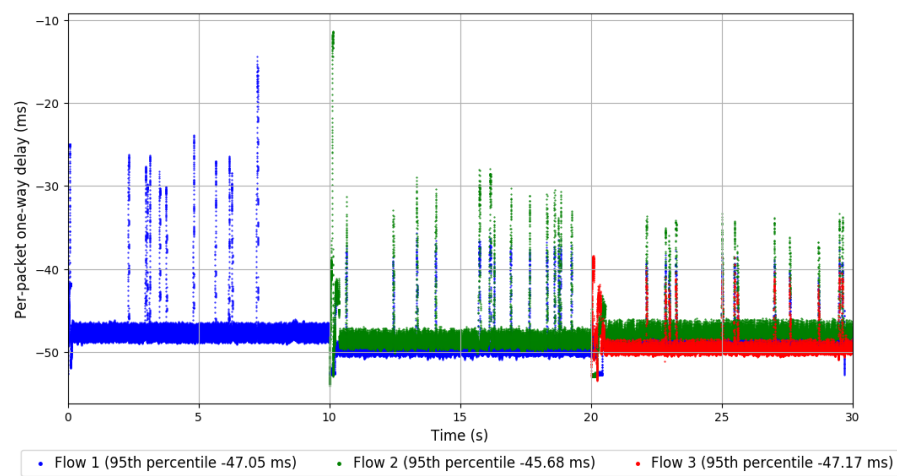
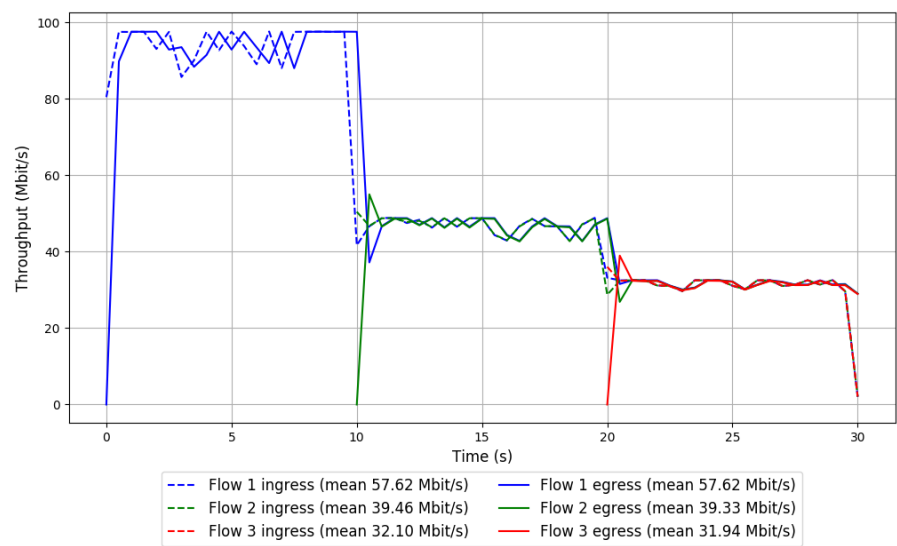


Run 2: Statistics of TCP BBR

Start at: 2018-06-19 09:26:18
End at: 2018-06-19 09:26:48
Local clock offset: -8.274 ms
Remote clock offset: 51.114 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: -46.862 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: -47.047 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: -45.677 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: -47.166 ms
Loss rate: 0.53%

Run 2: Report of TCP BBR — Data Link

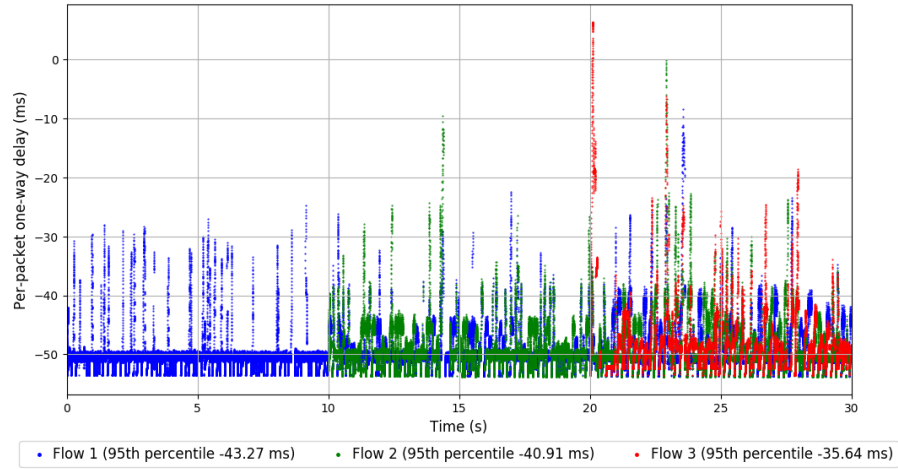
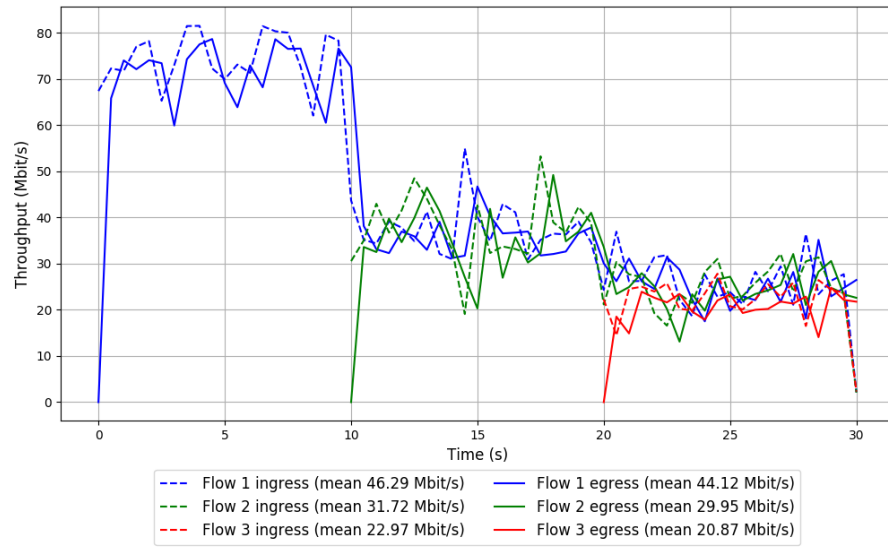


Run 3: Statistics of TCP BBR

Start at: 2018-06-19 09:44:12
End at: 2018-06-19 09:44:42
Local clock offset: -4.633 ms
Remote clock offset: 49.328 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: -41.782 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: -43.267 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: -40.905 ms
Loss rate: 5.59%
-- Flow 3:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: -35.642 ms
Loss rate: 9.17%

Run 3: Report of TCP BBR — Data Link

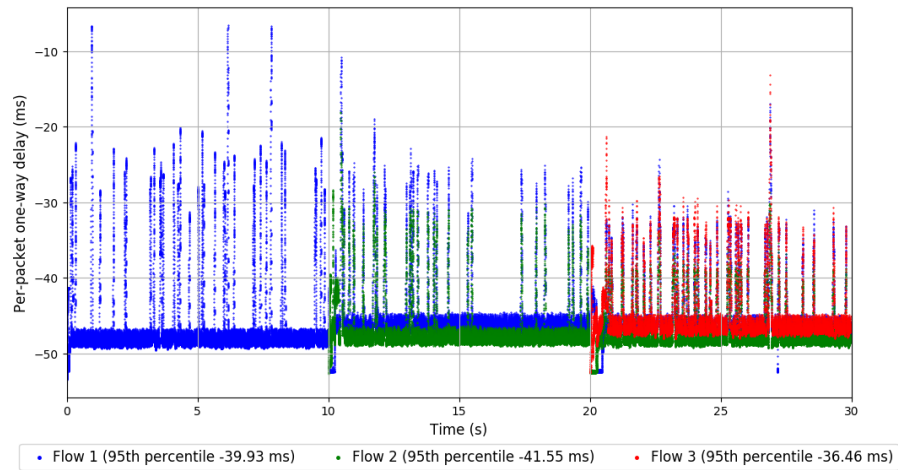
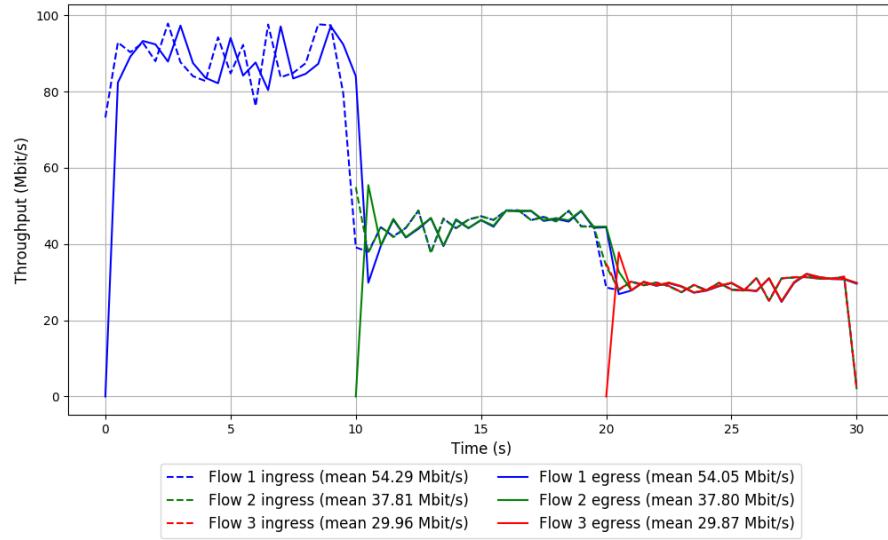


Run 4: Statistics of TCP BBR

Start at: 2018-06-19 10:02:07
End at: 2018-06-19 10:02:37
Local clock offset: -2.612 ms
Remote clock offset: 51.176 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: -40.076 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: -39.933 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: -41.547 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: -36.463 ms
Loss rate: 0.36%

Run 4: Report of TCP BBR — Data Link

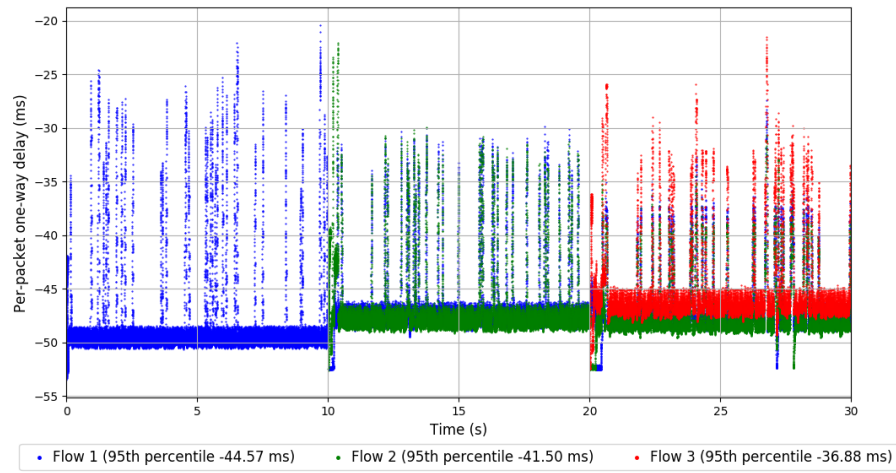
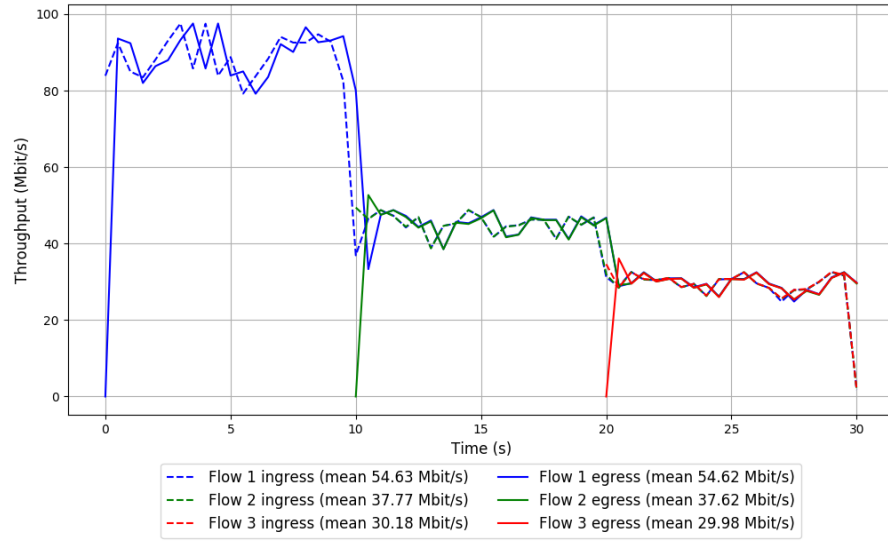


Run 5: Statistics of TCP BBR

Start at: 2018-06-19 10:19:57
End at: 2018-06-19 10:20:27
Local clock offset: -1.015 ms
Remote clock offset: 52.603 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: -42.176 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: -44.566 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: -41.498 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: -36.877 ms
Loss rate: 0.71%

Run 5: Report of TCP BBR — Data Link

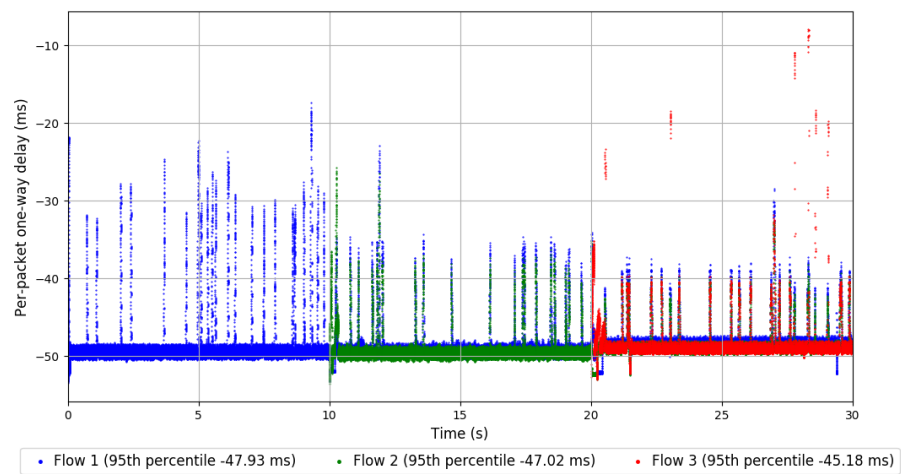
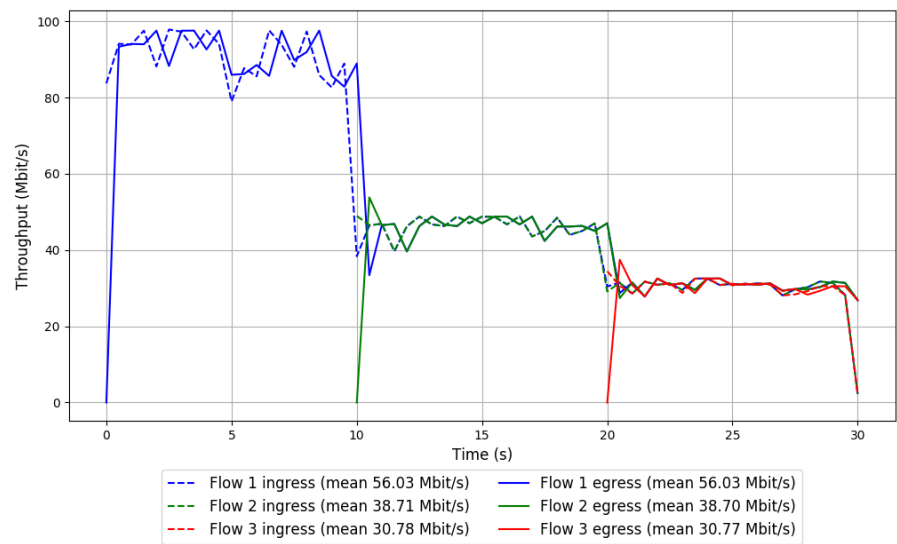


Run 6: Statistics of TCP BBR

Start at: 2018-06-19 10:37:51
End at: 2018-06-19 10:38:21
Local clock offset: -3.149 ms
Remote clock offset: 48.015 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: -47.627 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: -47.931 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: -47.024 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: -45.178 ms
Loss rate: 0.06%

Run 6: Report of TCP BBR — Data Link

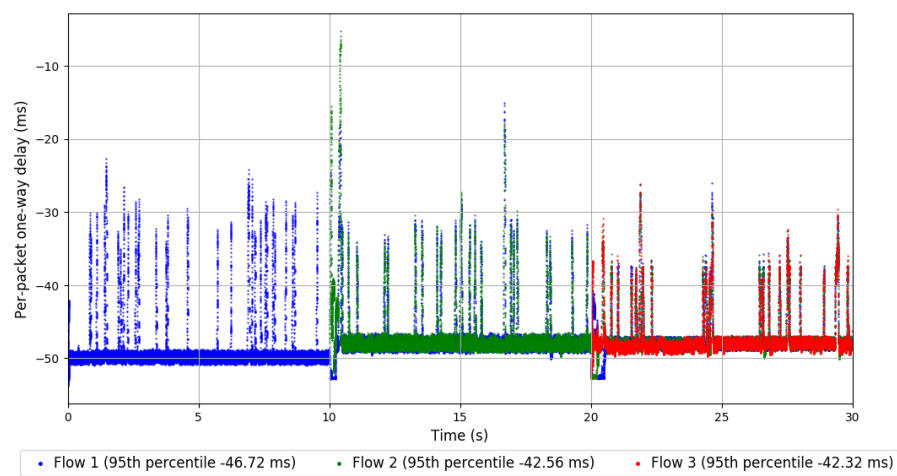
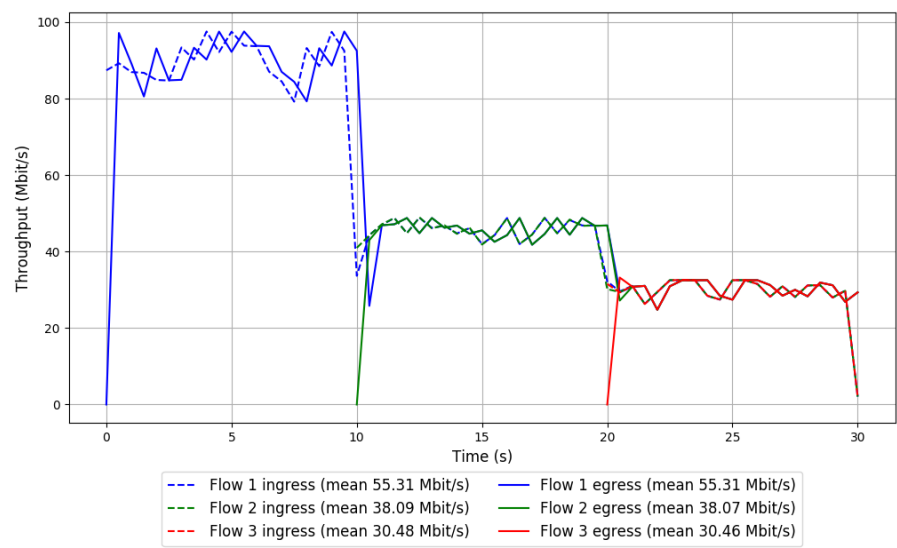


Run 7: Statistics of TCP BBR

Start at: 2018-06-19 10:55:36
End at: 2018-06-19 10:56:06
Local clock offset: -7.777 ms
Remote clock offset: 45.066 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: -44.598 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: -46.718 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: -42.561 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: -42.323 ms
Loss rate: 0.08%

Run 7: Report of TCP BBR — Data Link

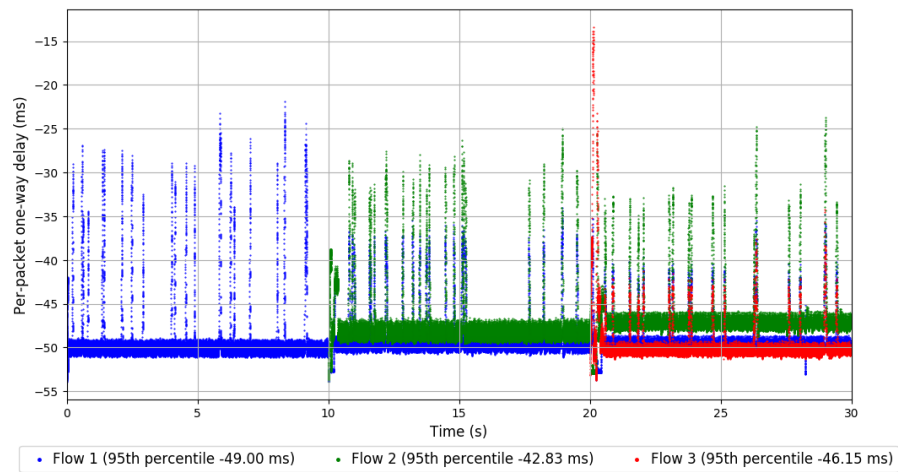
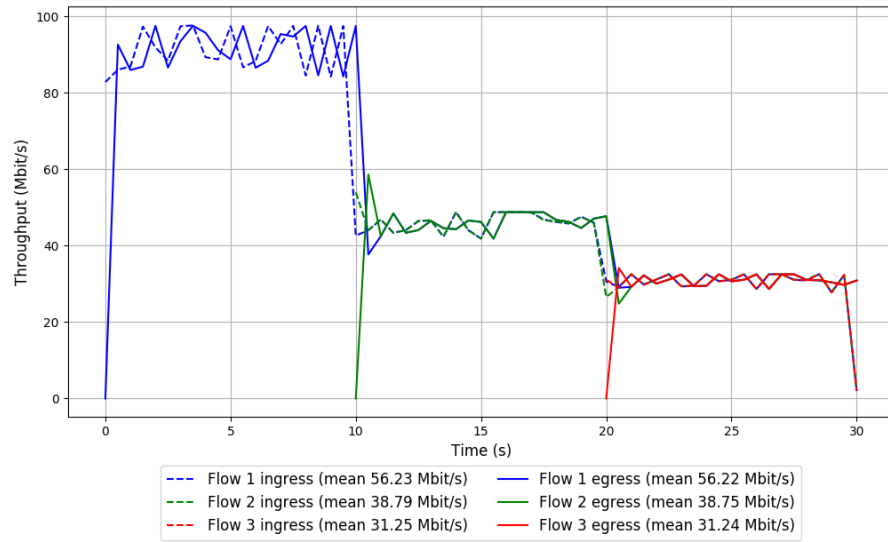


Run 8: Statistics of TCP BBR

Start at: 2018-06-19 11:13:29
End at: 2018-06-19 11:13:59
Local clock offset: -3.809 ms
Remote clock offset: 45.859 ms

Below is generated by plot.py at 2018-06-19 12:05:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: -46.459 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: -48.998 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: -42.827 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: -46.154 ms
Loss rate: 0.07%

Run 8: Report of TCP BBR — Data Link

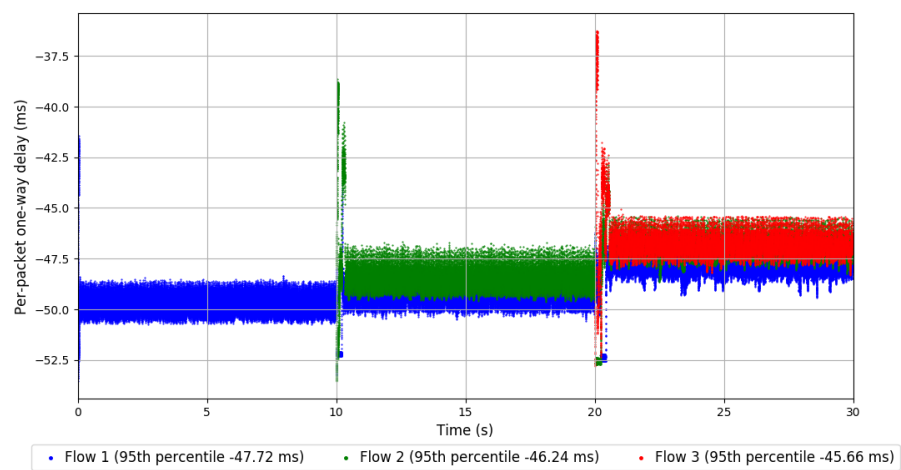
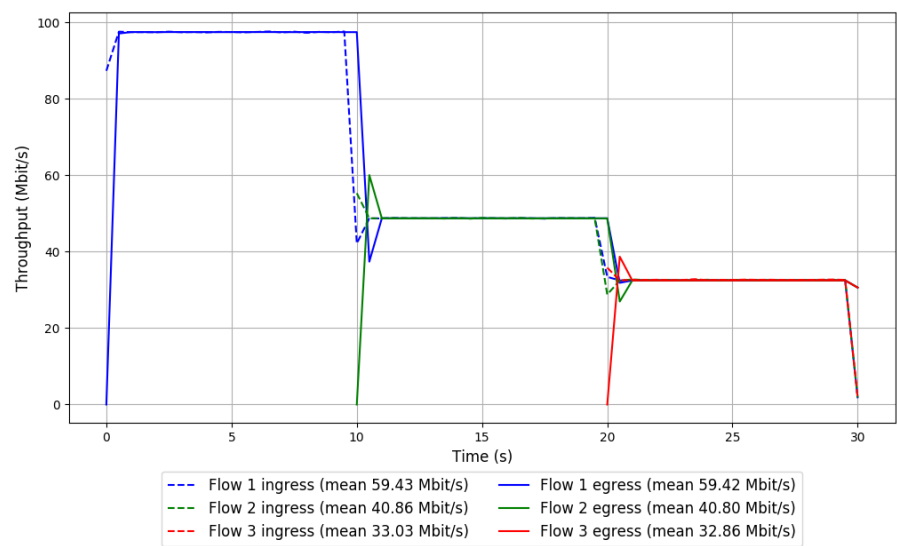


Run 9: Statistics of TCP BBR

Start at: 2018-06-19 11:31:24
End at: 2018-06-19 11:31:54
Local clock offset: -1.338 ms
Remote clock offset: 45.309 ms

Below is generated by plot.py at 2018-06-19 12:06:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: -46.457 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: -47.723 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: -46.239 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: -45.663 ms
Loss rate: 0.54%

Run 9: Report of TCP BBR — Data Link

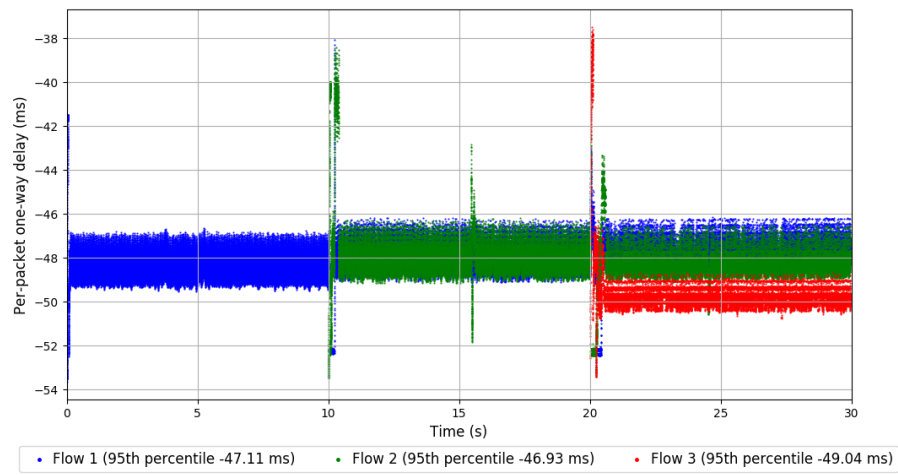
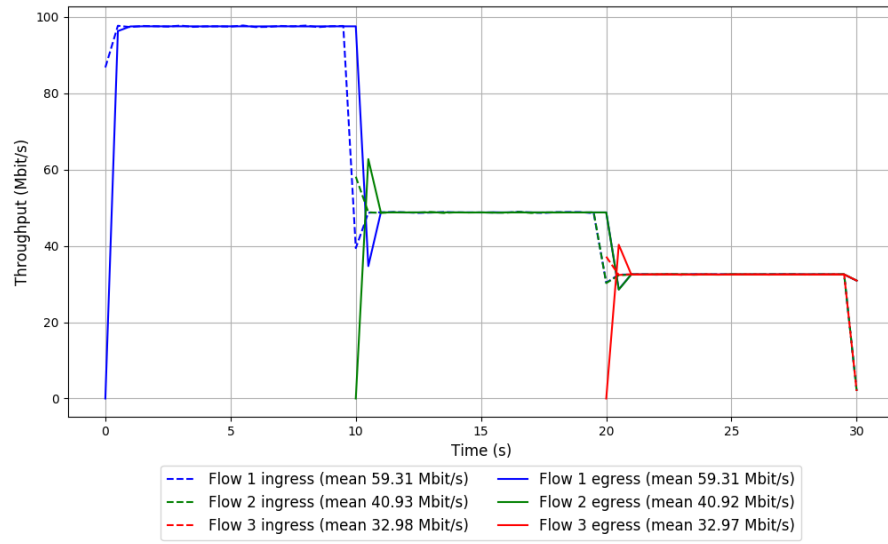


Run 10: Statistics of TCP BBR

Start at: 2018-06-19 11:49:21
End at: 2018-06-19 11:49:51
Local clock offset: -1.832 ms
Remote clock offset: 51.629 ms

Below is generated by plot.py at 2018-06-19 12:06:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: -47.101 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: -47.108 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: -46.929 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: -49.044 ms
Loss rate: 0.05%

Run 10: Report of TCP BBR — Data Link

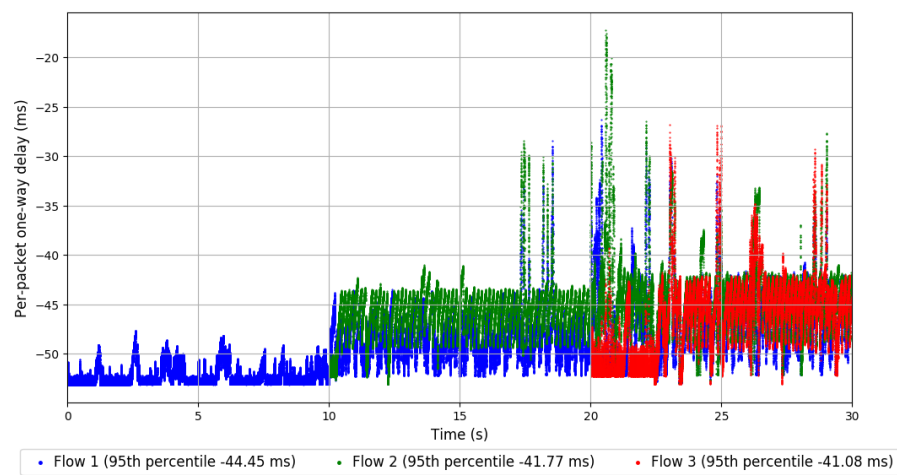
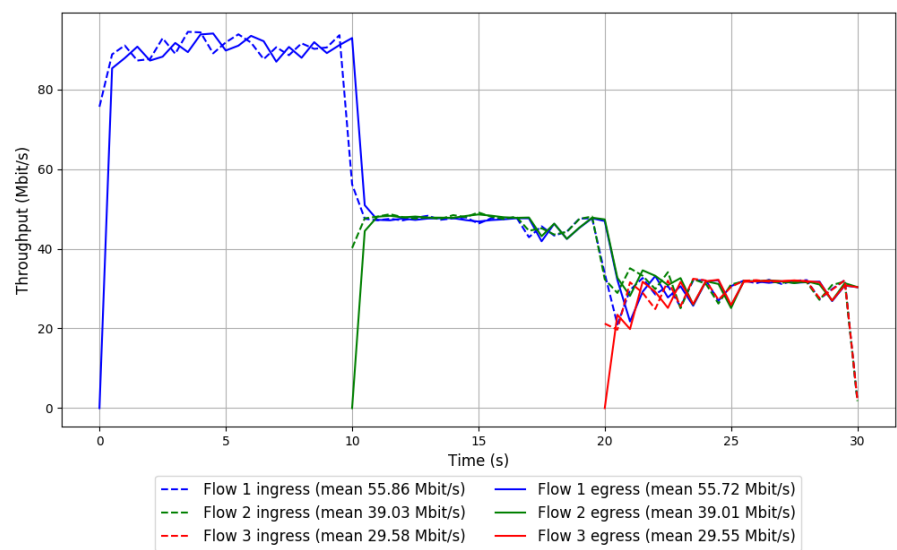


Run 1: Statistics of Copa

Start at: 2018-06-19 09:09:30
End at: 2018-06-19 09:10:00
Local clock offset: -5.209 ms
Remote clock offset: 52.297 ms

Below is generated by plot.py at 2018-06-19 12:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: -42.753 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: -44.451 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: -41.768 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: -41.081 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link

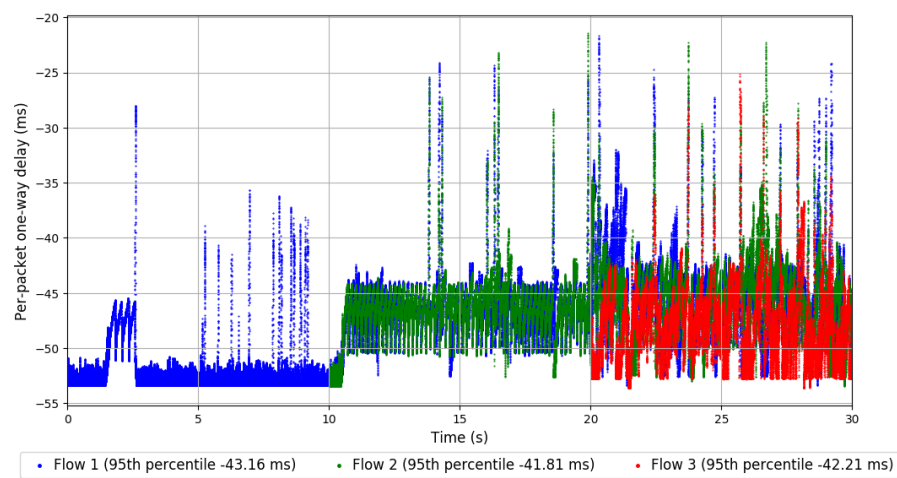
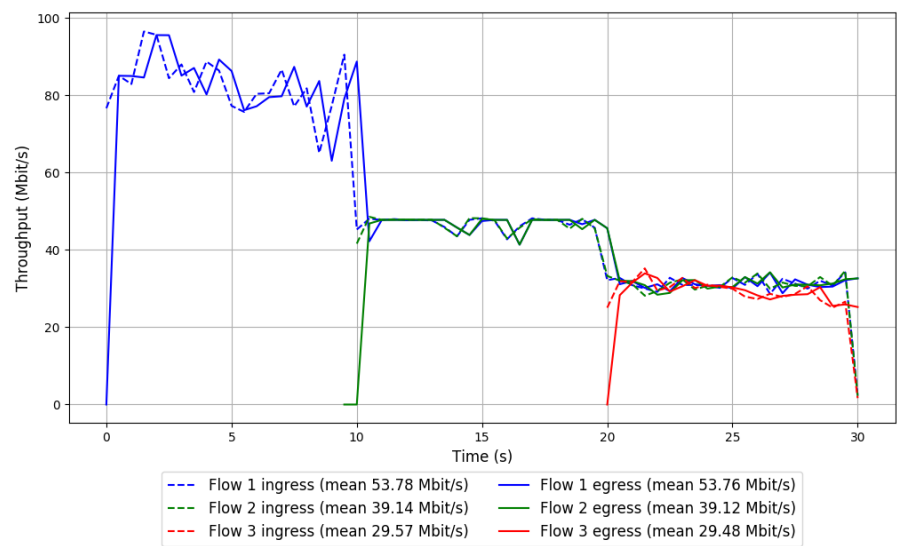


Run 2: Statistics of Copa

Start at: 2018-06-19 09:27:26
End at: 2018-06-19 09:27:56
Local clock offset: -8.424 ms
Remote clock offset: 50.553 ms

Below is generated by plot.py at 2018-06-19 12:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: -42.615 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: -43.164 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: -41.814 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: -42.213 ms
Loss rate: 0.33%

Run 2: Report of Copa — Data Link

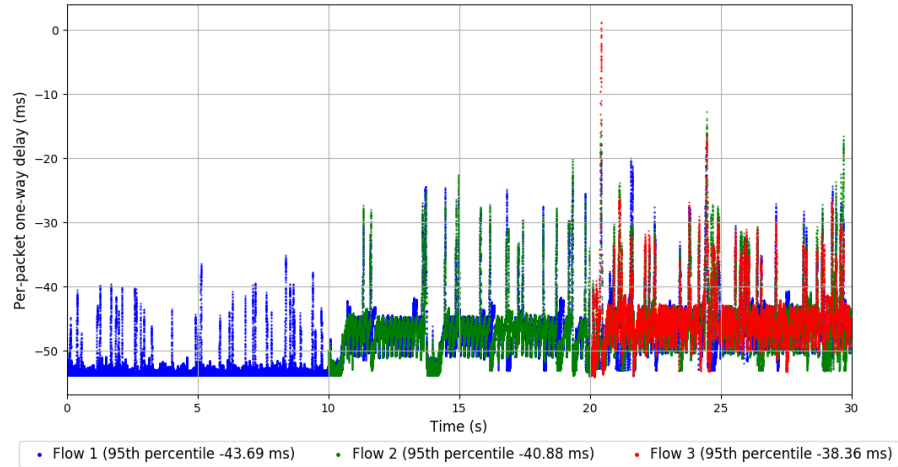
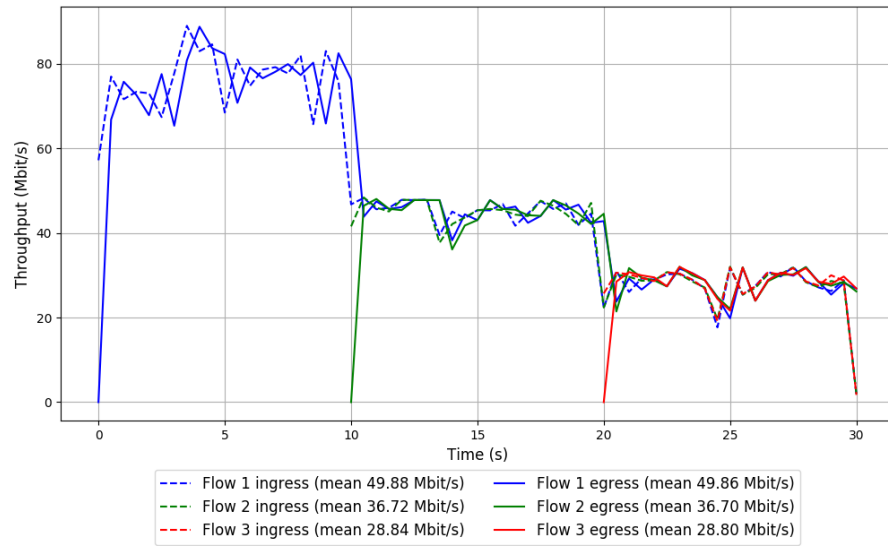


Run 3: Statistics of Copa

Start at: 2018-06-19 09:45:19
End at: 2018-06-19 09:45:49
Local clock offset: -4.356 ms
Remote clock offset: 49.641 ms

Below is generated by plot.py at 2018-06-19 12:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: -42.747 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: -43.692 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: -40.882 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: -38.357 ms
Loss rate: 0.17%

Run 3: Report of Copa — Data Link

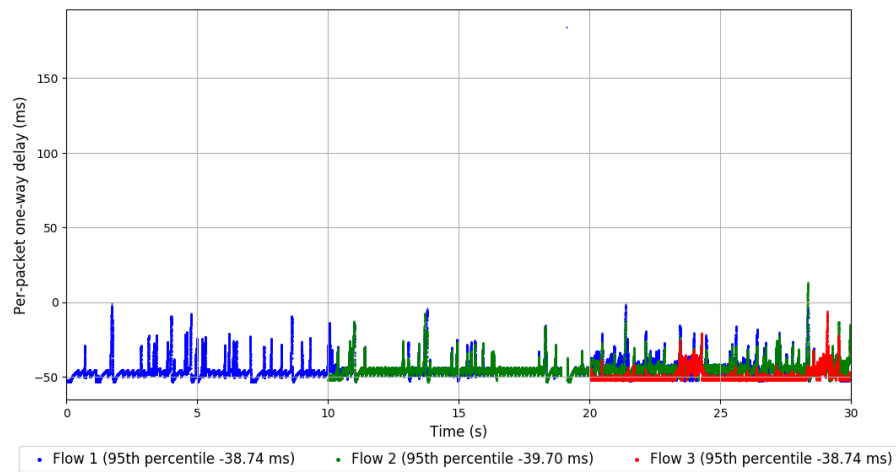
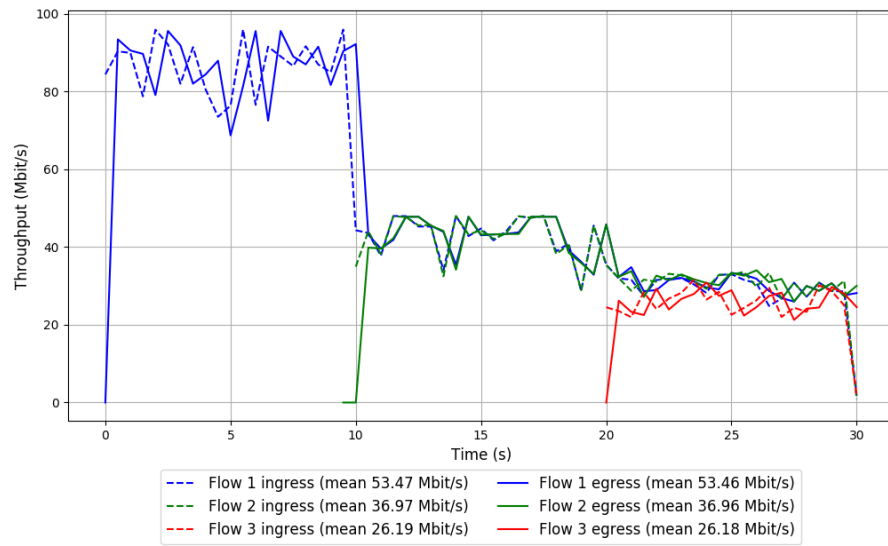


Run 4: Statistics of Copa

Start at: 2018-06-19 10:03:14
End at: 2018-06-19 10:03:44
Local clock offset: -2.562 ms
Remote clock offset: 51.328 ms

Below is generated by plot.py at 2018-06-19 12:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: -39.030 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: -38.739 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: -39.705 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.18 Mbit/s
95th percentile per-packet one-way delay: -38.741 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-19 10:21:04

End at: 2018-06-19 10:21:34

Local clock offset: -0.937 ms

Remote clock offset: 52.97 ms

Below is generated by plot.py at 2018-06-19 12:07:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: -41.794 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 49.73 Mbit/s

95th percentile per-packet one-way delay: -43.747 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: -39.794 ms

Loss rate: 0.05%

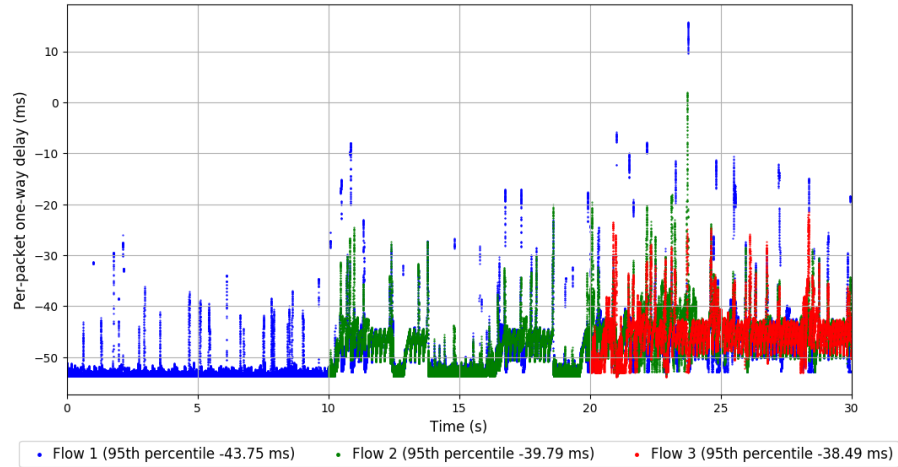
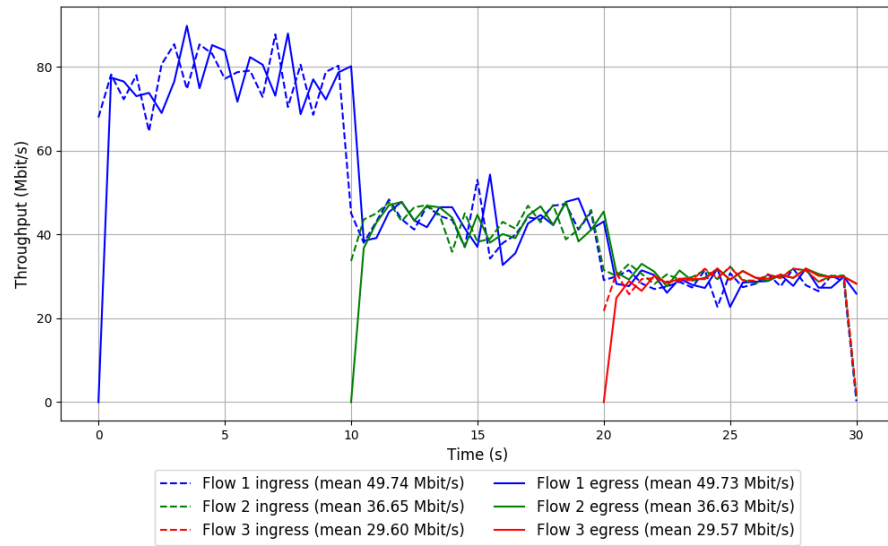
-- Flow 3:

Average throughput: 29.57 Mbit/s

95th percentile per-packet one-way delay: -38.491 ms

Loss rate: 0.11%

Run 5: Report of Copa — Data Link

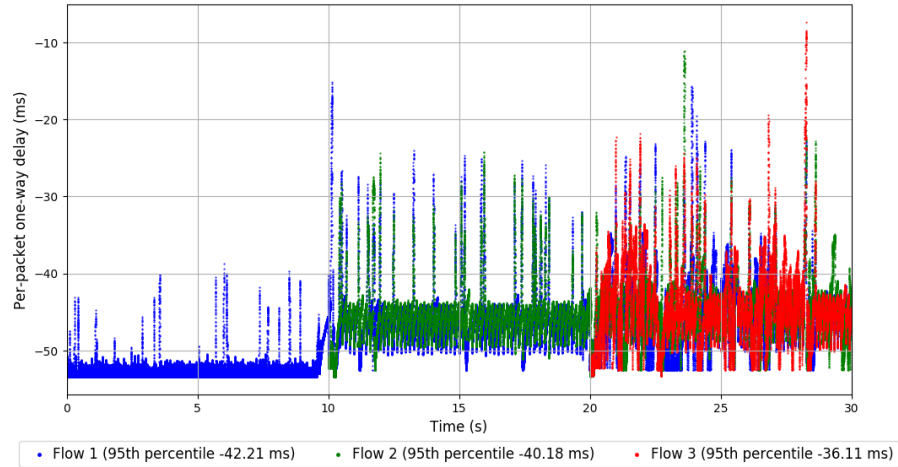
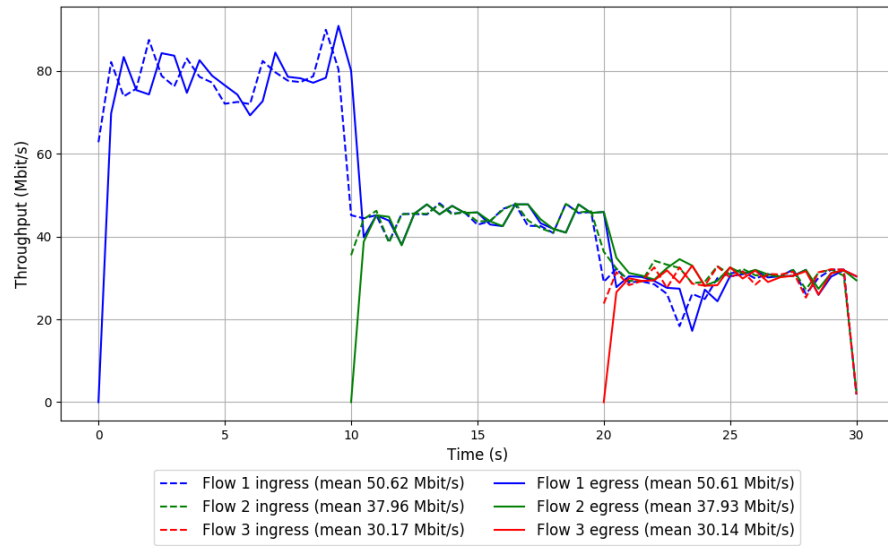


Run 6: Statistics of Copa

Start at: 2018-06-19 10:38:58
End at: 2018-06-19 10:39:28
Local clock offset: -3.616 ms
Remote clock offset: 47.736 ms

Below is generated by plot.py at 2018-06-19 12:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: -39.976 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: -42.207 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: -40.176 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: -36.108 ms
Loss rate: 0.14%

Run 6: Report of Copa — Data Link

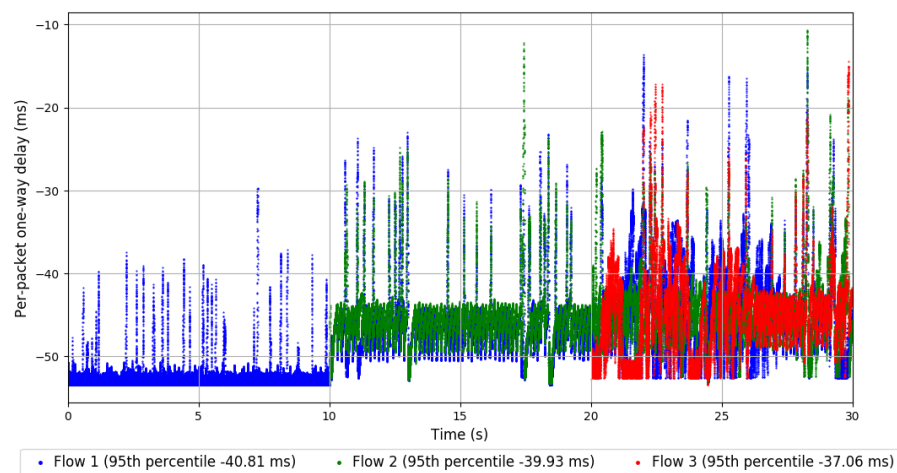
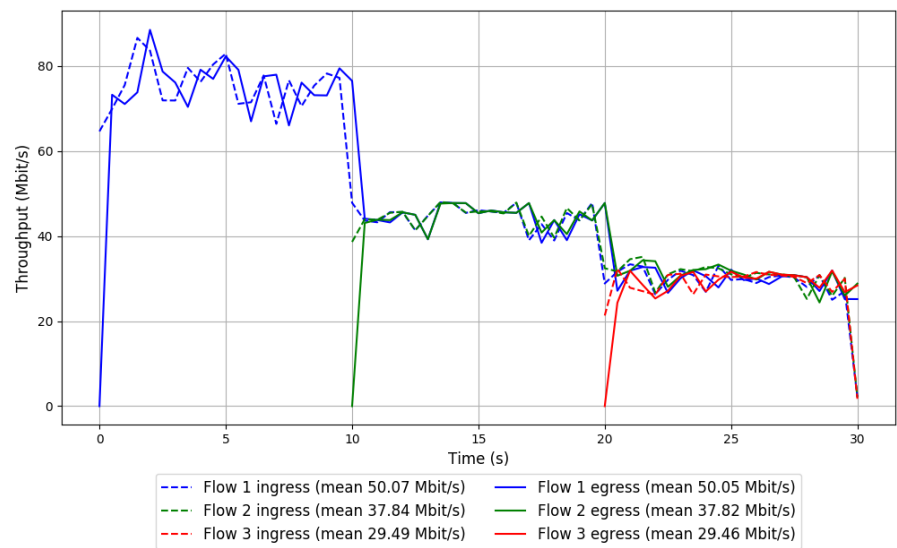


Run 7: Statistics of Copa

Start at: 2018-06-19 10:56:43
End at: 2018-06-19 10:57:13
Local clock offset: -7.843 ms
Remote clock offset: 44.661 ms

Below is generated by plot.py at 2018-06-19 12:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: -39.530 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: -40.807 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: -39.929 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: -37.060 ms
Loss rate: 0.12%

Run 7: Report of Copa — Data Link

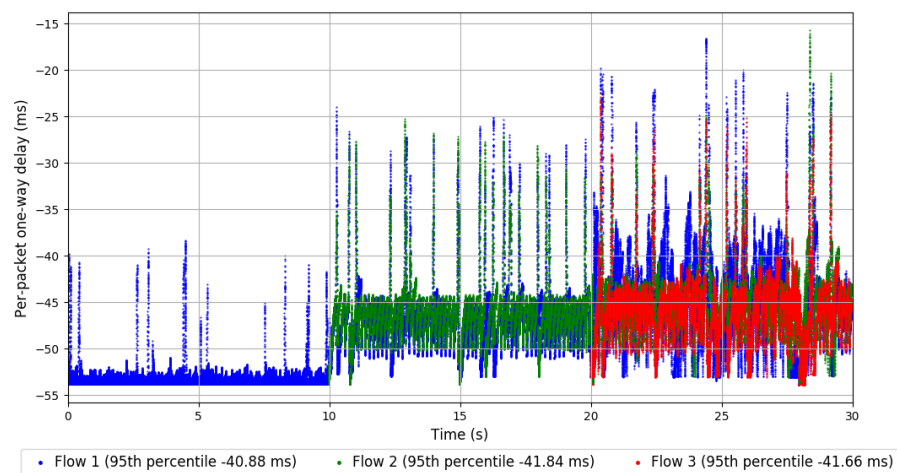
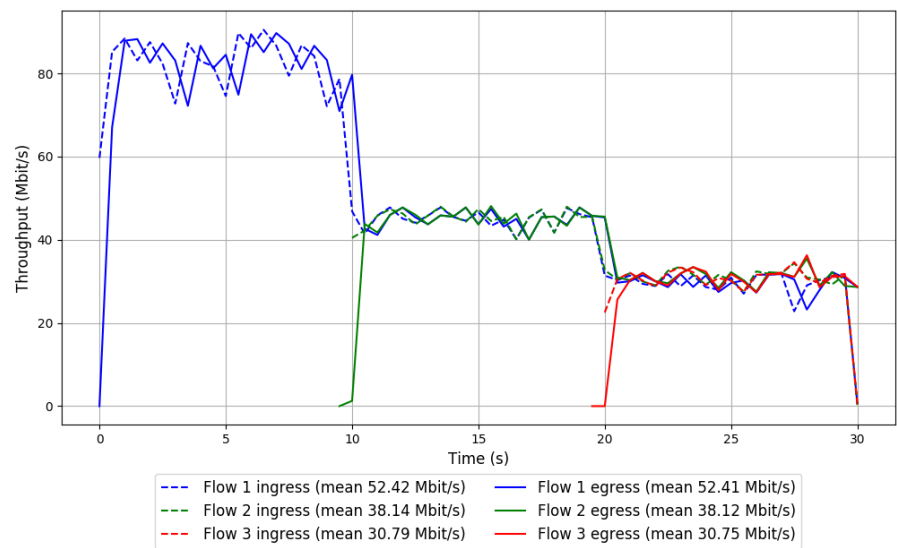


Run 8: Statistics of Copa

Start at: 2018-06-19 11:14:36
End at: 2018-06-19 11:15:06
Local clock offset: -3.528 ms
Remote clock offset: 45.889 ms

Below is generated by plot.py at 2018-06-19 12:08:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: -41.312 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: -40.880 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: -41.842 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: -41.659 ms
Loss rate: 0.16%

Run 8: Report of Copa — Data Link

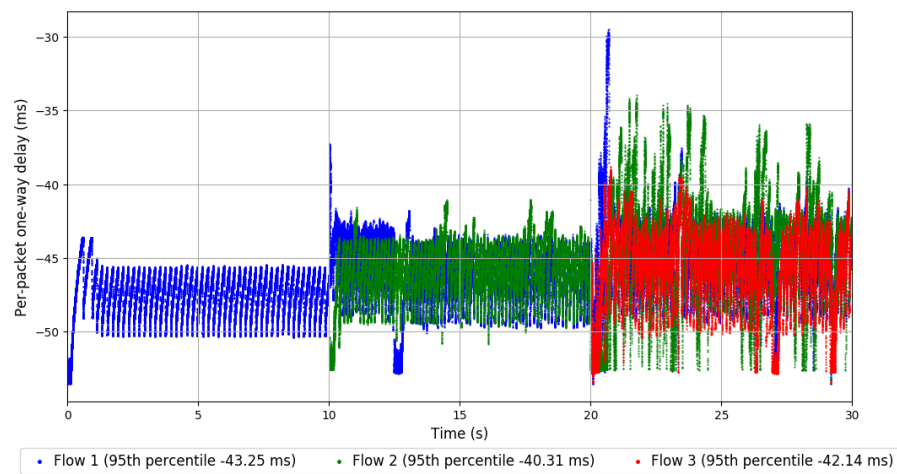
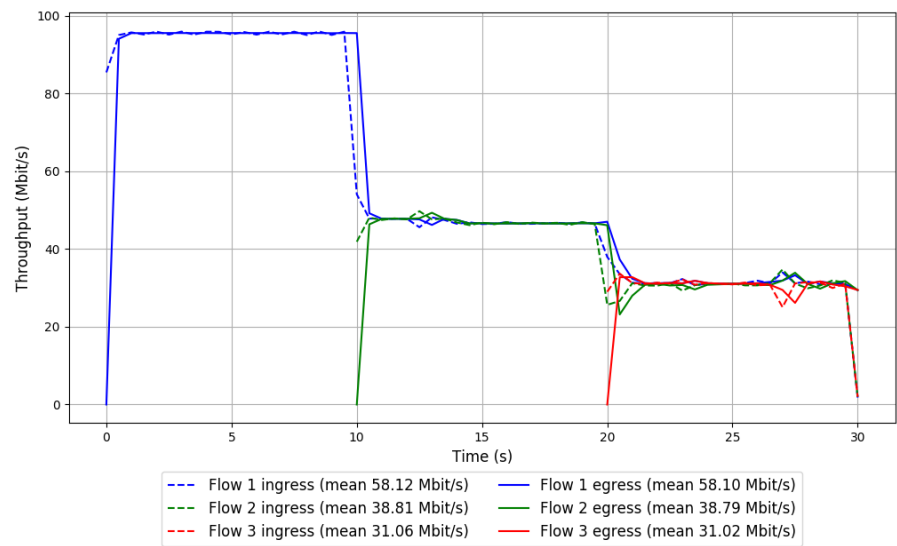


Run 9: Statistics of Copa

Start at: 2018-06-19 11:32:32
End at: 2018-06-19 11:33:02
Local clock offset: -1.337 ms
Remote clock offset: 45.192 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: -42.316 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: -43.251 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: -40.311 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: -42.139 ms
Loss rate: 0.16%

Run 9: Report of Copa — Data Link

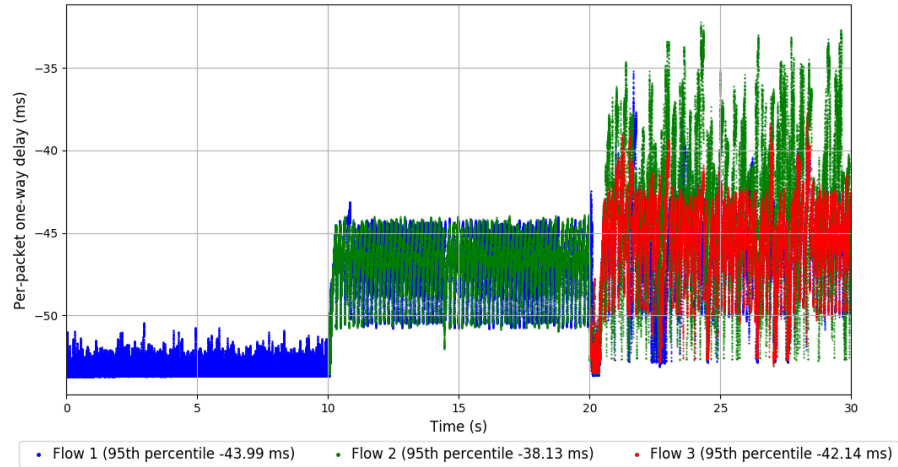
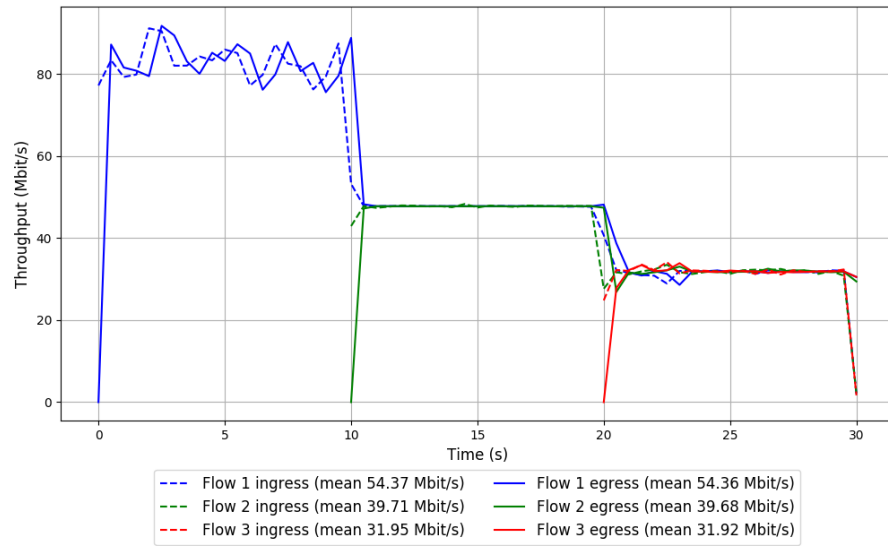


Run 10: Statistics of Copa

Start at: 2018-06-19 11:50:29
End at: 2018-06-19 11:50:59
Local clock offset: -1.841 ms
Remote clock offset: 51.863 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: -41.730 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: -43.994 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: -38.126 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: -42.138 ms
Loss rate: 0.12%

Run 10: Report of Copa — Data Link

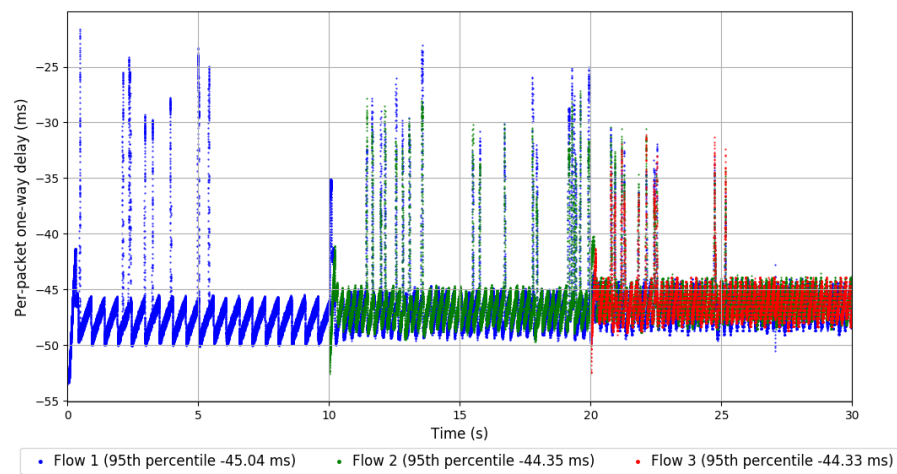
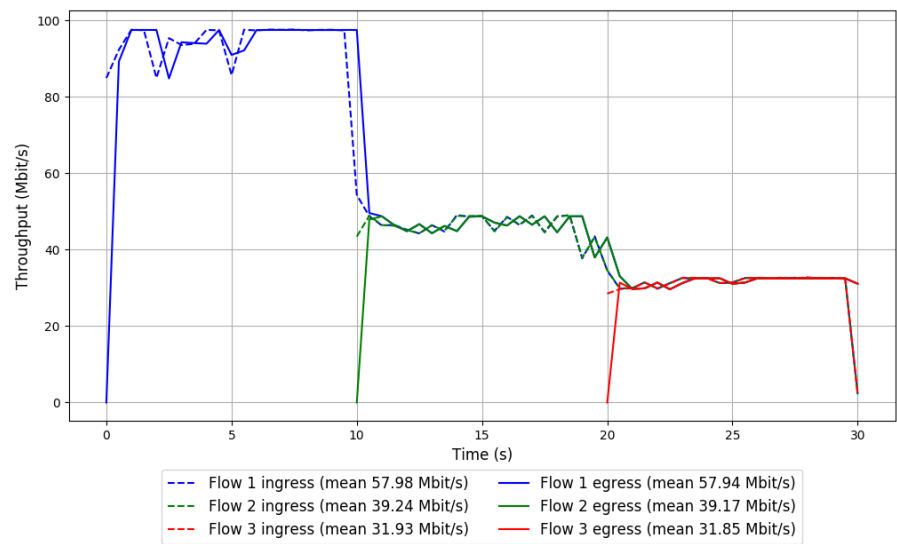


Run 1: Statistics of TCP Cubic

Start at: 2018-06-19 09:17:23
End at: 2018-06-19 09:17:53
Local clock offset: -7.082 ms
Remote clock offset: 52.755 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: -44.670 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: -45.036 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: -44.352 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: -44.334 ms
Loss rate: 0.28%

Run 1: Report of TCP Cubic — Data Link

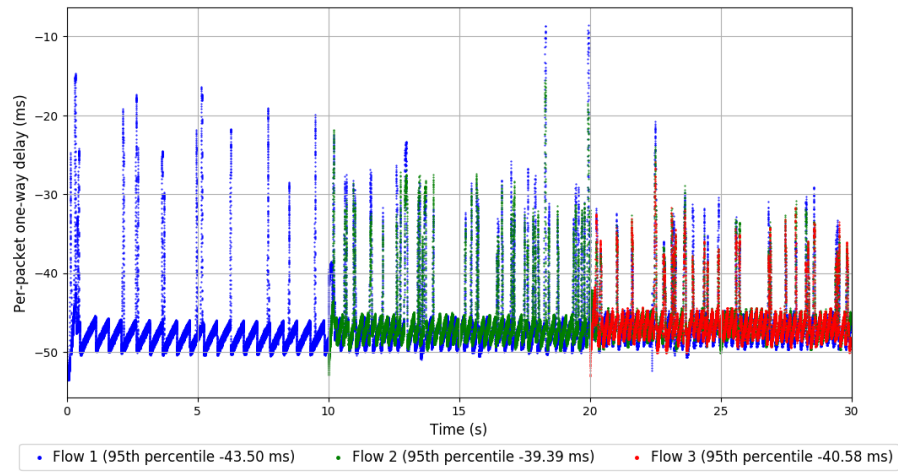
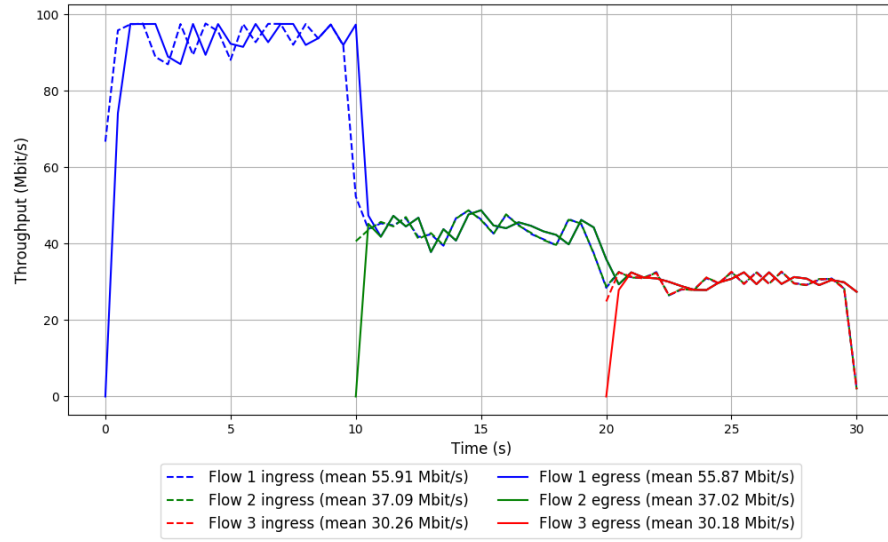


Run 2: Statistics of TCP Cubic

Start at: 2018-06-19 09:35:18
End at: 2018-06-19 09:35:48
Local clock offset: -8.022 ms
Remote clock offset: 49.723 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: -41.608 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: -43.498 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: -39.391 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: -40.575 ms
Loss rate: 0.28%

Run 2: Report of TCP Cubic — Data Link

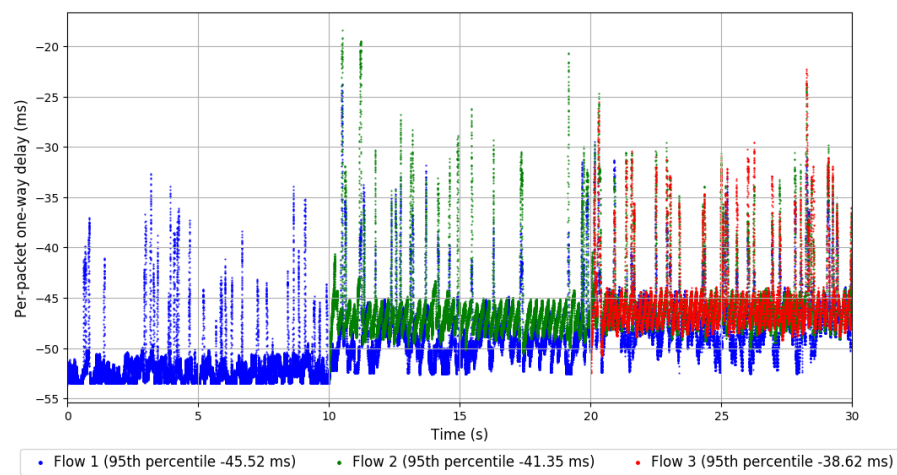
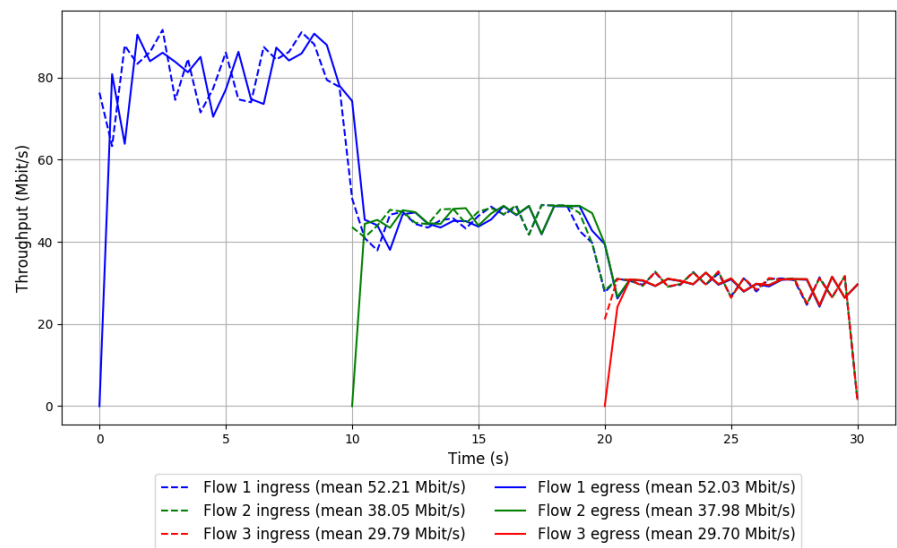


Run 3: Statistics of TCP Cubic

Start at: 2018-06-19 09:53:13
End at: 2018-06-19 09:53:43
Local clock offset: -3.274 ms
Remote clock offset: 49.233 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: -44.303 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: -45.517 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: -41.349 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: -38.621 ms
Loss rate: 0.30%

Run 3: Report of TCP Cubic — Data Link

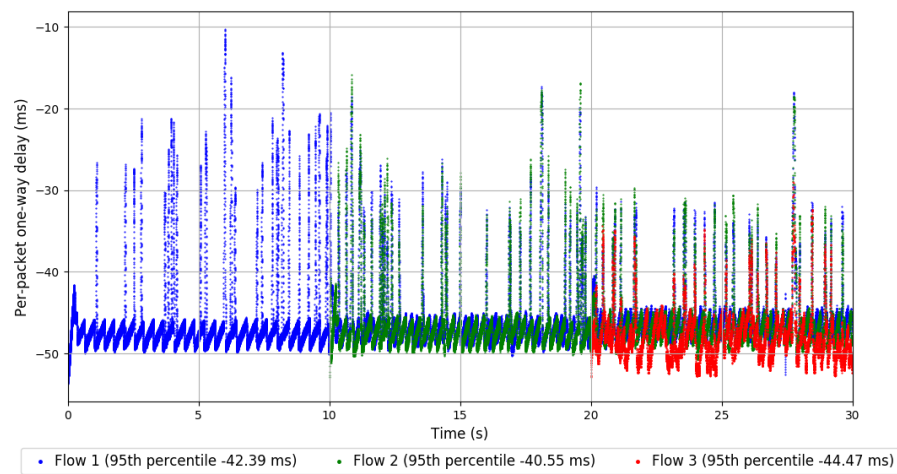
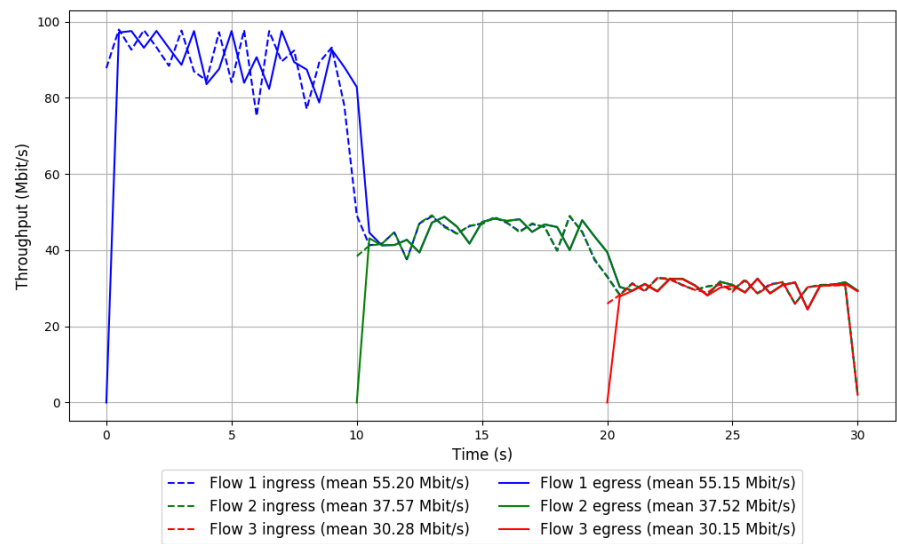


Run 4: Statistics of TCP Cubic

Start at: 2018-06-19 10:11:05
End at: 2018-06-19 10:11:35
Local clock offset: -1.637 ms
Remote clock offset: 52.346 ms

Below is generated by plot.py at 2018-06-19 12:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: -42.224 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: -42.390 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: -40.545 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: -44.466 ms
Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link

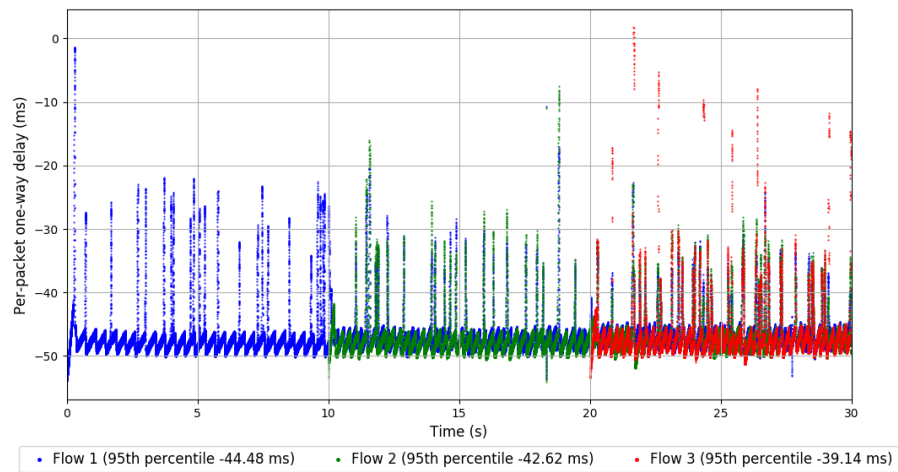
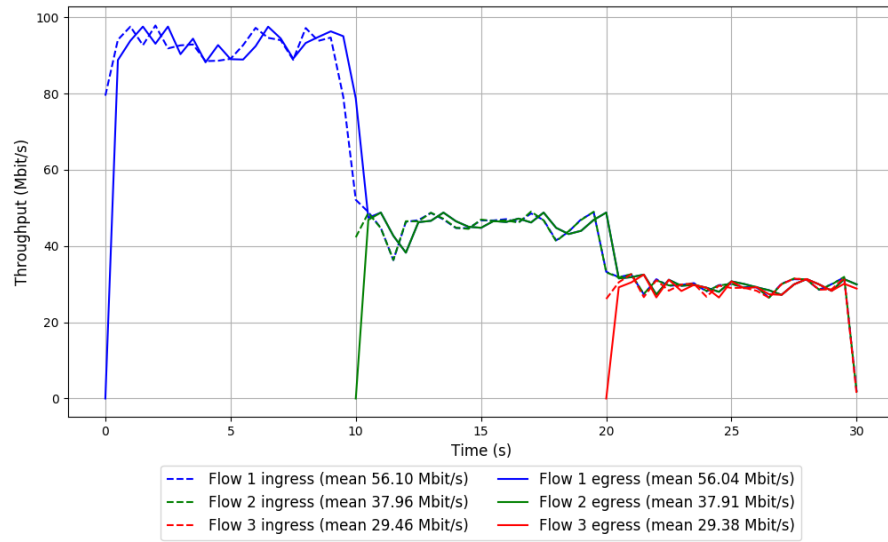


Run 5: Statistics of TCP Cubic

Start at: 2018-06-19 10:28:55
End at: 2018-06-19 10:29:25
Local clock offset: -0.552 ms
Remote clock offset: 52.318 ms

Below is generated by plot.py at 2018-06-19 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: -43.298 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: -44.483 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: -42.616 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: -39.136 ms
Loss rate: 0.29%

Run 5: Report of TCP Cubic — Data Link

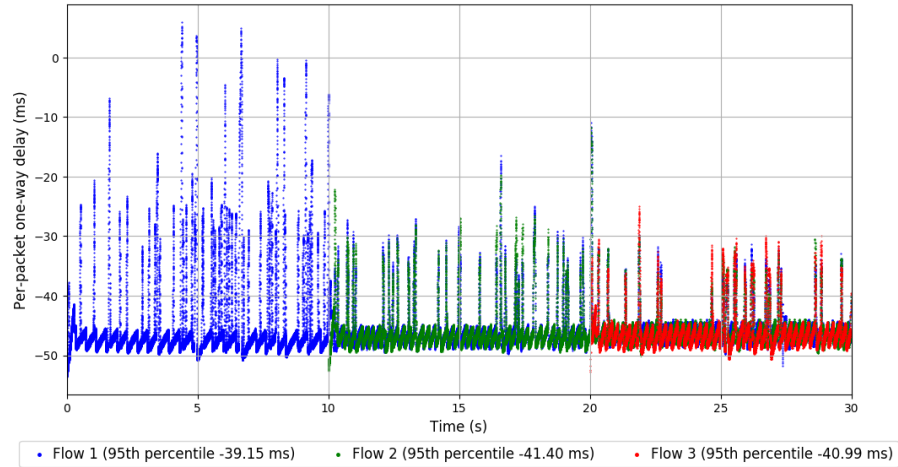
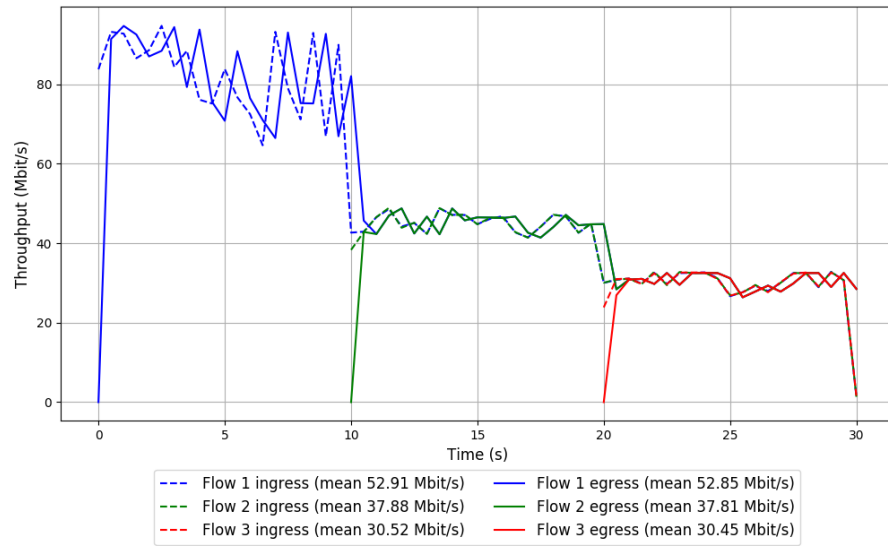


Run 6: Statistics of TCP Cubic

Start at: 2018-06-19 10:46:41
End at: 2018-06-19 10:47:11
Local clock offset: -6.225 ms
Remote clock offset: 46.138 ms

Below is generated by plot.py at 2018-06-19 12:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: -40.076 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: -39.154 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: -41.397 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: -40.993 ms
Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link

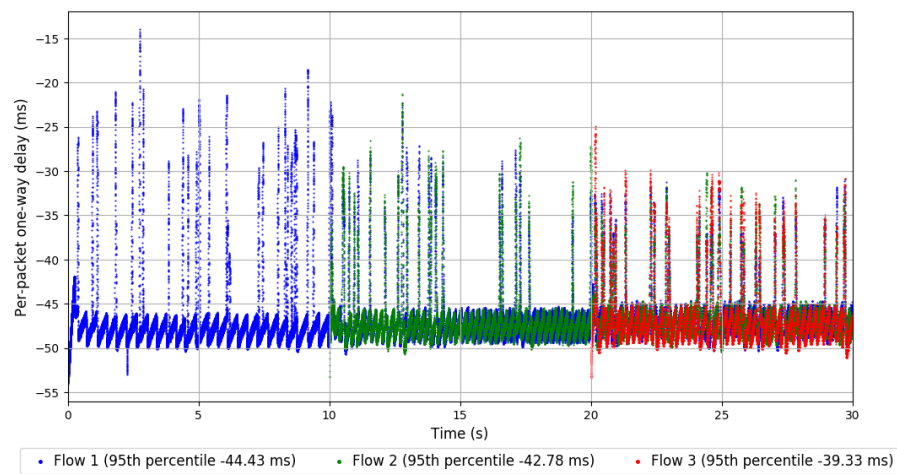
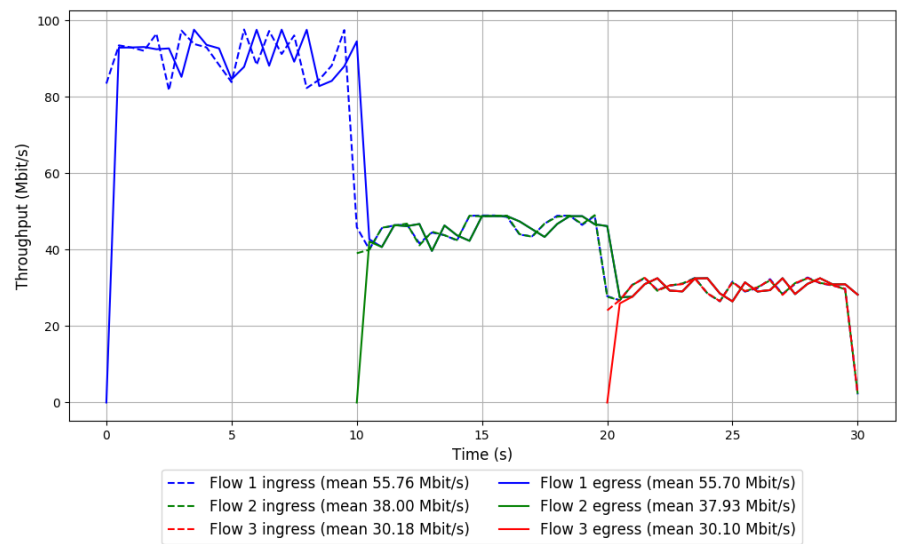


Run 7: Statistics of TCP Cubic

Start at: 2018-06-19 11:04:34
End at: 2018-06-19 11:05:04
Local clock offset: -7.974 ms
Remote clock offset: 45.064 ms

Below is generated by plot.py at 2018-06-19 12:09:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: -43.334 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: -44.427 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: -42.779 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: -39.329 ms
Loss rate: 0.28%

Run 7: Report of TCP Cubic — Data Link

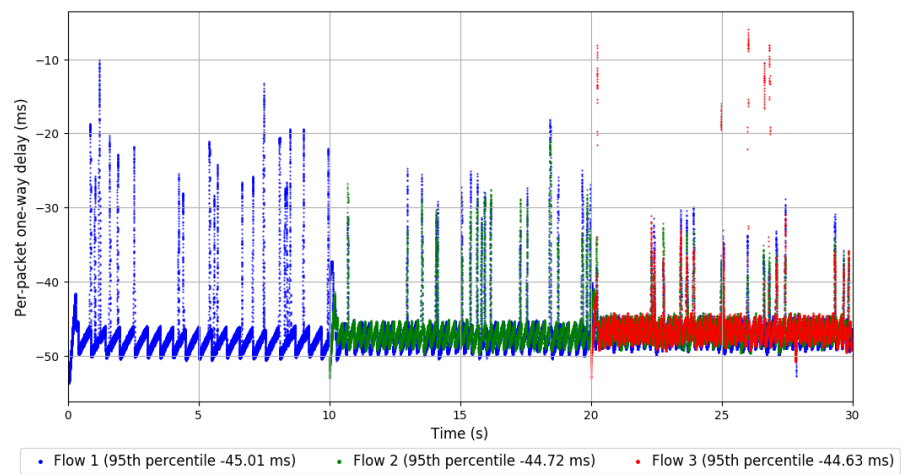
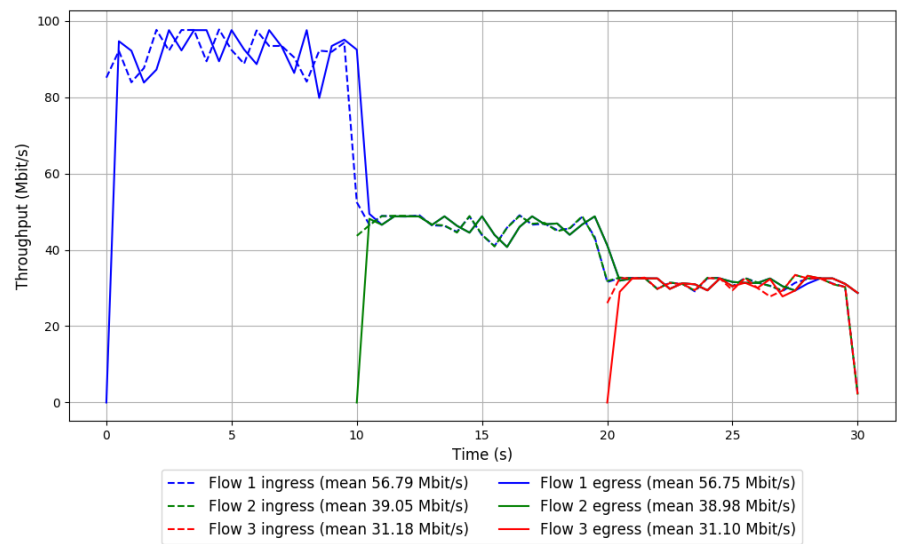


Run 8: Statistics of TCP Cubic

Start at: 2018-06-19 11:22:26
End at: 2018-06-19 11:22:56
Local clock offset: -2.139 ms
Remote clock offset: 45.808 ms

Below is generated by plot.py at 2018-06-19 12:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: -44.766 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: -45.012 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: -44.721 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: -44.629 ms
Loss rate: 0.28%

Run 8: Report of TCP Cubic — Data Link

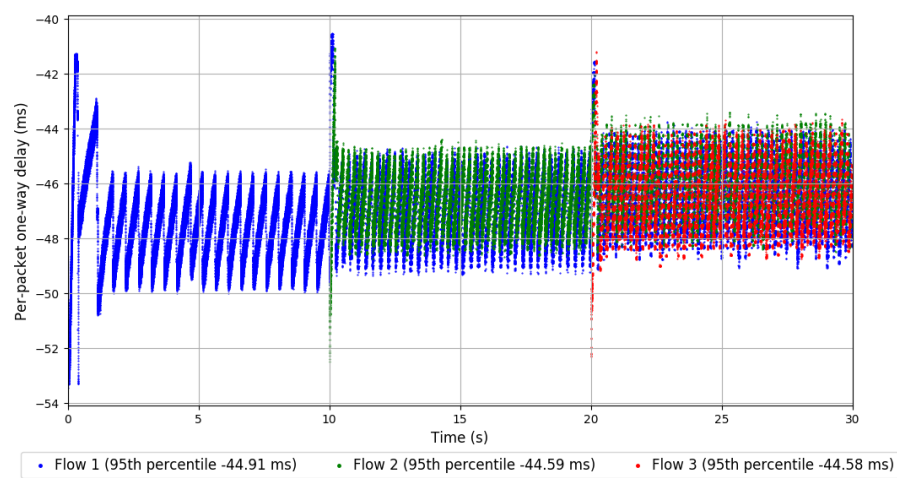
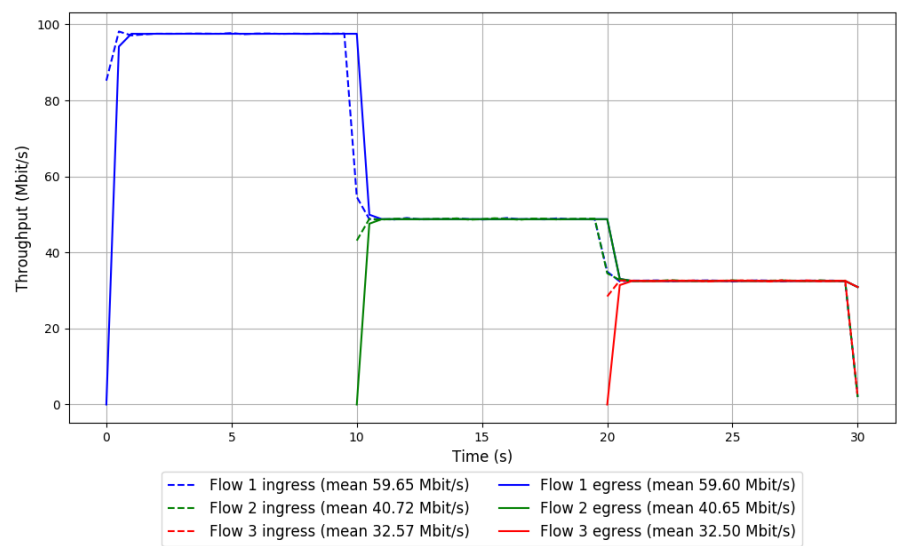


Run 9: Statistics of TCP Cubic

Start at: 2018-06-19 11:40:23
End at: 2018-06-19 11:40:53
Local clock offset: -1.659 ms
Remote clock offset: 48.2 ms

Below is generated by plot.py at 2018-06-19 12:09:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: -44.693 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: -44.907 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: -44.587 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: -44.577 ms
Loss rate: 0.26%

Run 9: Report of TCP Cubic — Data Link

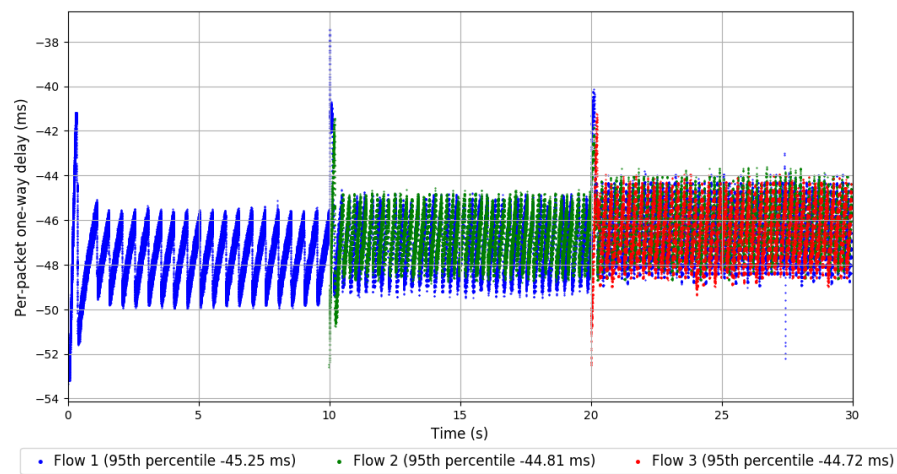
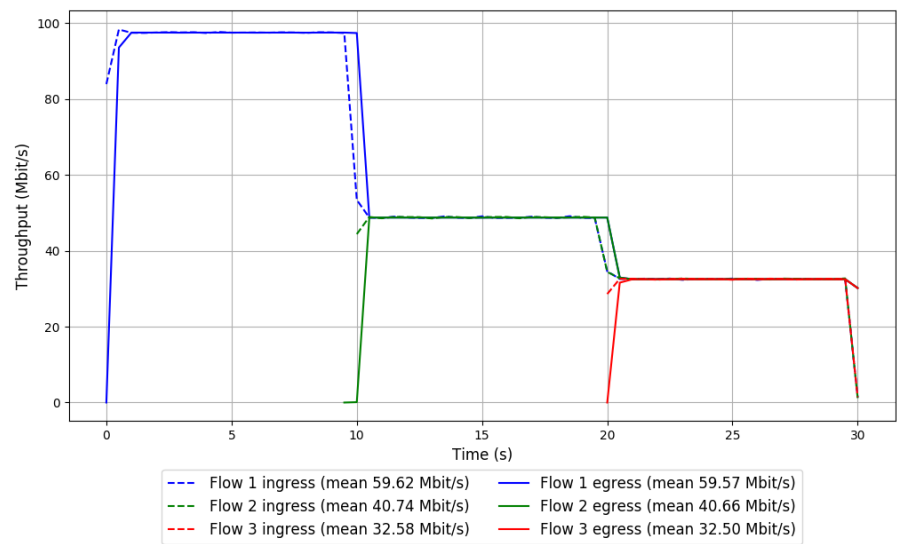


Run 10: Statistics of TCP Cubic

Start at: 2018-06-19 11:58:18
End at: 2018-06-19 11:58:48
Local clock offset: -1.776 ms
Remote clock offset: 52.746 ms

Below is generated by plot.py at 2018-06-19 12:09:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: -44.987 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: -45.253 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: -44.813 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: -44.722 ms
Loss rate: 0.28%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-19 09:14:04

End at: 2018-06-19 09:14:34

Local clock offset: -6.437 ms

Remote clock offset: 52.84 ms

Below is generated by plot.py at 2018-06-19 12:10:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: -24.382 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: -25.479 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 37.92 Mbit/s

95th percentile per-packet one-way delay: -23.990 ms

Loss rate: 3.62%

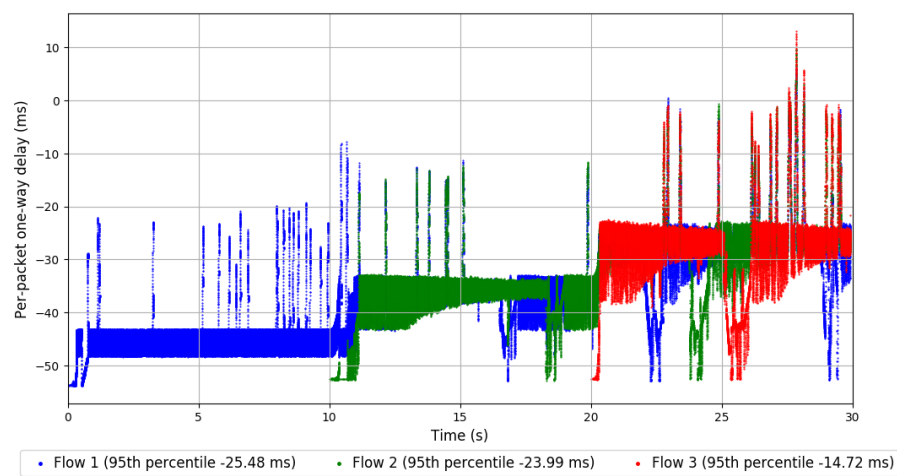
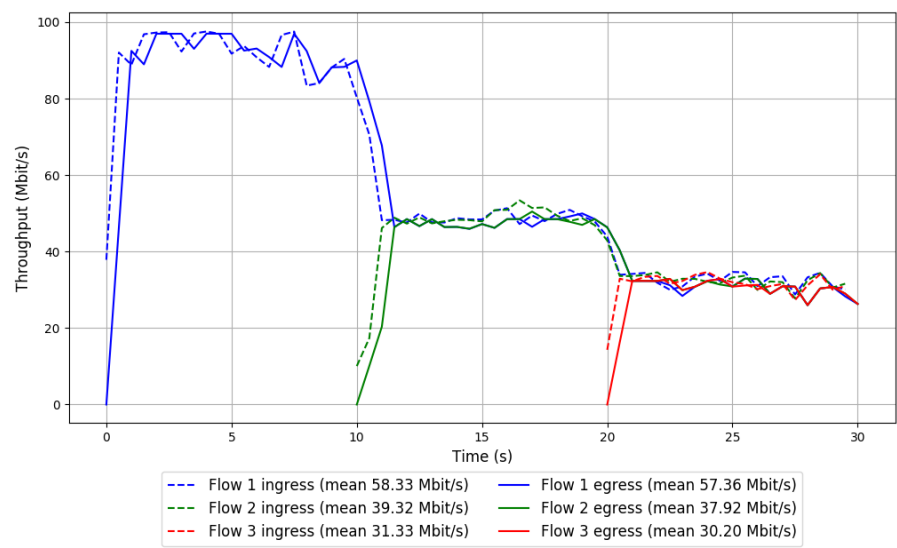
-- Flow 3:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: -14.724 ms

Loss rate: 3.72%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-19 09:31:58

End at: 2018-06-19 09:32:28

Local clock offset: -8.779 ms

Remote clock offset: 49.91 ms

Below is generated by plot.py at 2018-06-19 12:10:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: -23.376 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: -24.747 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: -19.360 ms

Loss rate: 4.28%

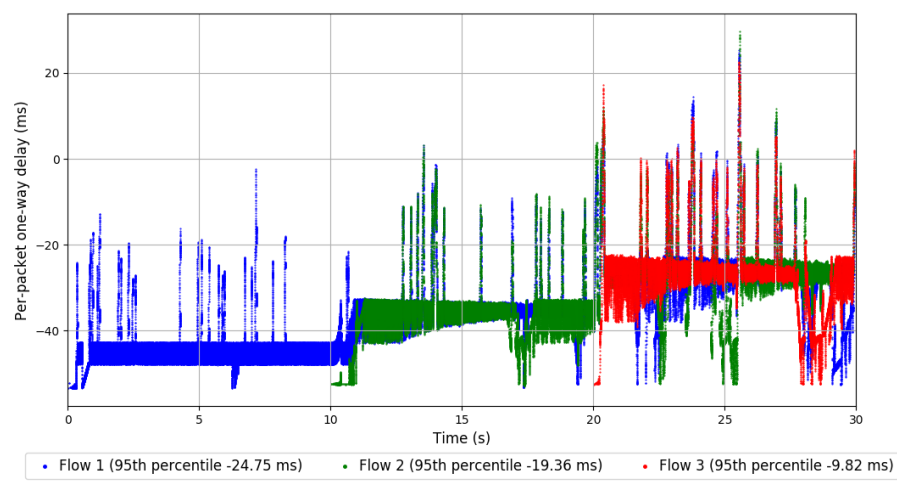
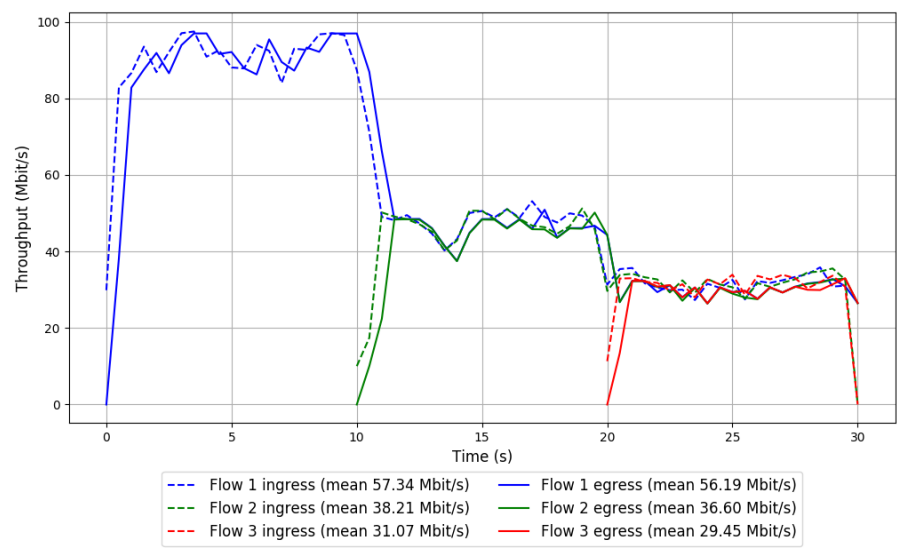
-- Flow 3:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: -9.824 ms

Loss rate: 5.35%

Run 2: Report of FillP — Data Link

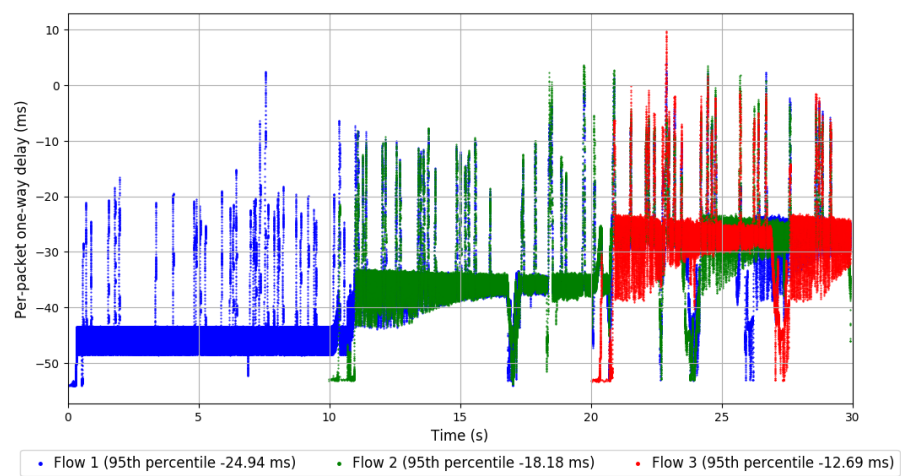
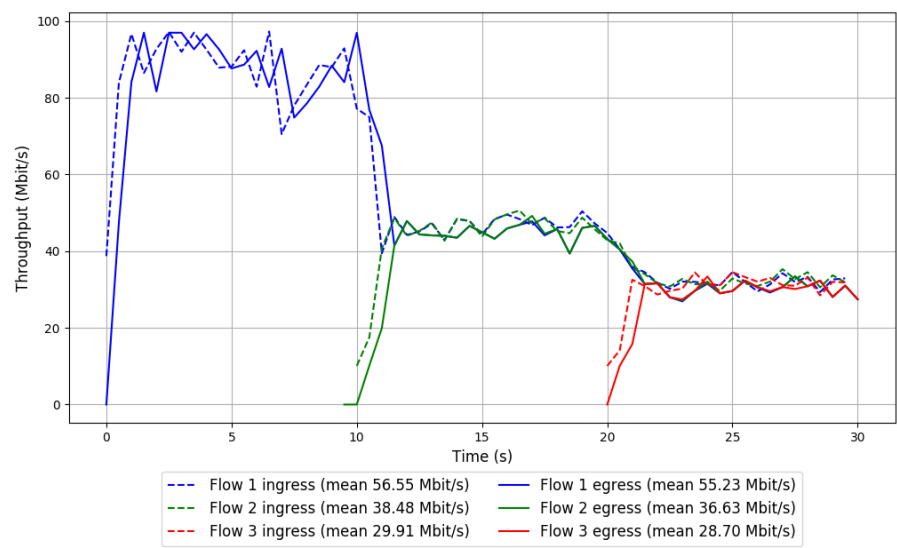


Run 3: Statistics of FillP

Start at: 2018-06-19 09:49:53
End at: 2018-06-19 09:50:23
Local clock offset: -3.576 ms
Remote clock offset: 49.595 ms

Below is generated by plot.py at 2018-06-19 12:10:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: -22.349 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: -24.939 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: -18.178 ms
Loss rate: 4.78%
-- Flow 3:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: -12.685 ms
Loss rate: 4.11%

Run 3: Report of FillP — Data Link

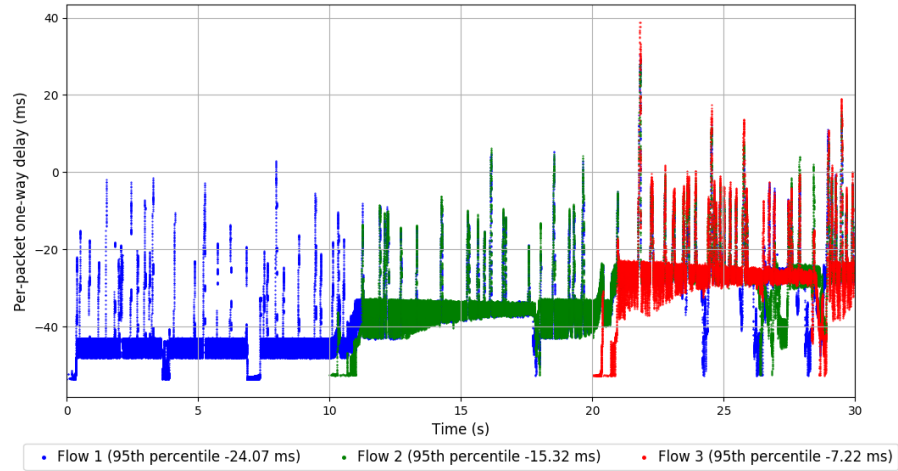
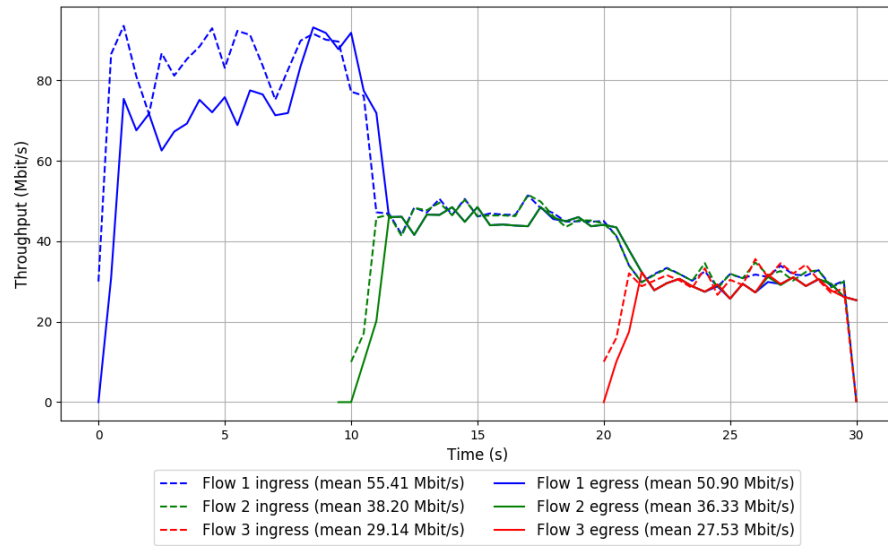


Run 4: Statistics of FillP

Start at: 2018-06-19 10:07:45
End at: 2018-06-19 10:08:15
Local clock offset: -1.996 ms
Remote clock offset: 51.831 ms

Below is generated by plot.py at 2018-06-19 12:10:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: -17.823 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: -24.067 ms
Loss rate: 8.18%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: -15.323 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: -7.224 ms
Loss rate: 5.69%

Run 4: Report of FillP — Data Link

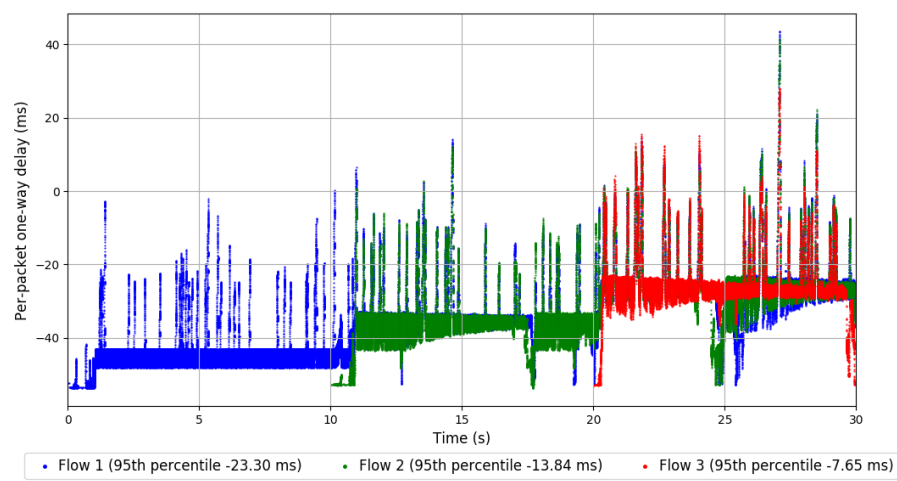
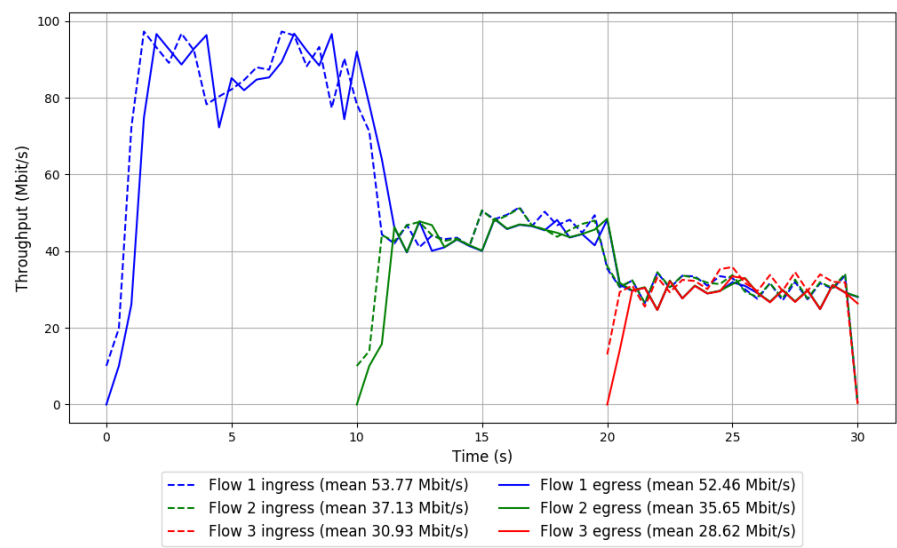


Run 5: Statistics of FillP

Start at: 2018-06-19 10:25:35
End at: 2018-06-19 10:26:05
Local clock offset: -0.727 ms
Remote clock offset: 53.098 ms

Below is generated by plot.py at 2018-06-19 12:10:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: -17.208 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: -23.296 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: -13.836 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: -7.647 ms
Loss rate: 7.49%

Run 5: Report of FillP — Data Link

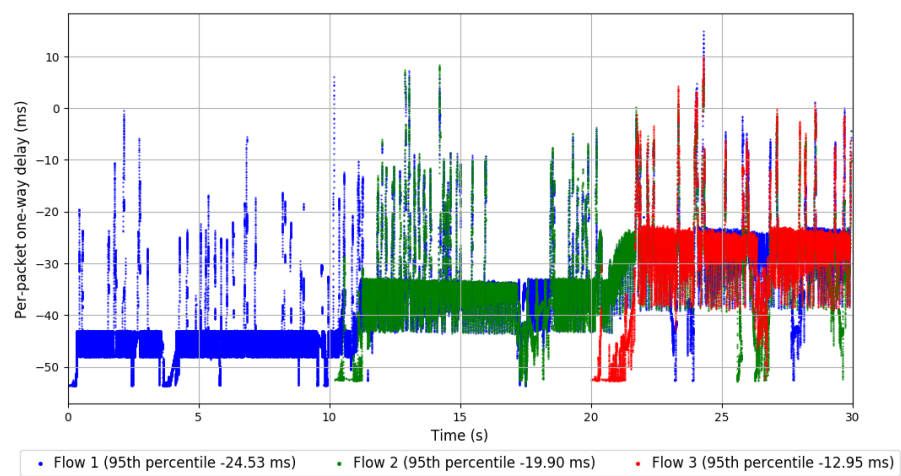
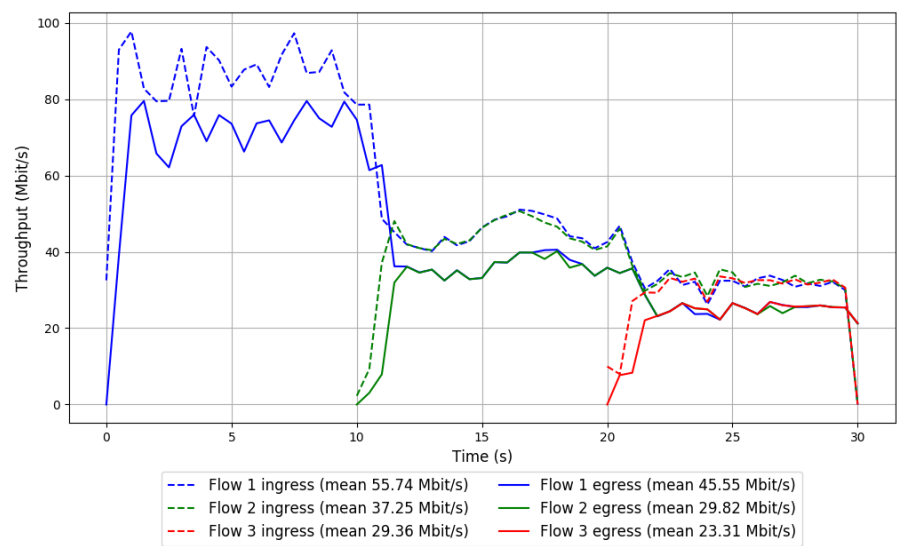


Run 6: Statistics of FillP

Start at: 2018-06-19 10:43:26
End at: 2018-06-19 10:43:56
Local clock offset: -5.331 ms
Remote clock offset: 46.973 ms

Below is generated by plot.py at 2018-06-19 12:10:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.93 Mbit/s
95th percentile per-packet one-way delay: -23.134 ms
Loss rate: 19.26%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: -24.530 ms
Loss rate: 18.32%
-- Flow 2:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: -19.898 ms
Loss rate: 20.80%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: -12.954 ms
Loss rate: 20.75%

Run 6: Report of FillP — Data Link

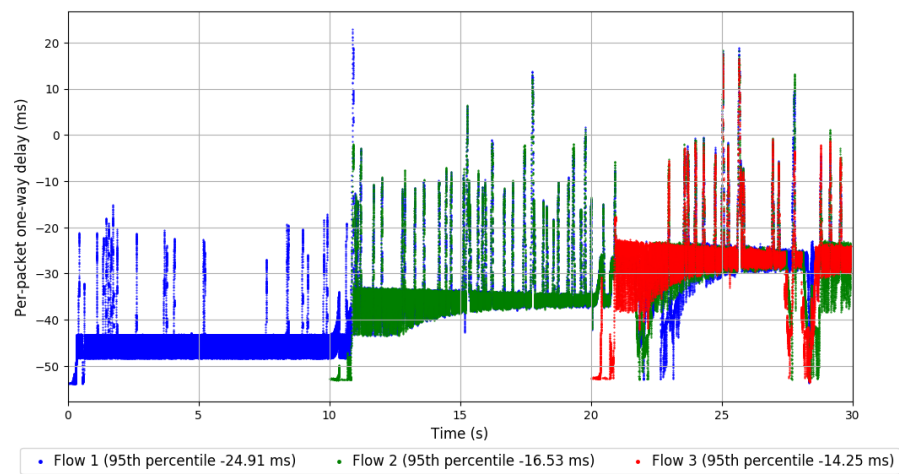
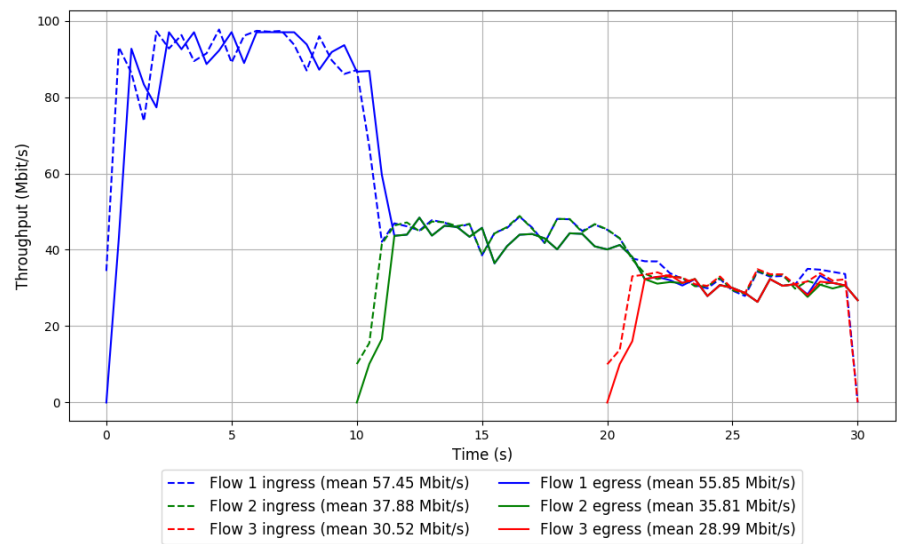


Run 7: Statistics of FillP

Start at: 2018-06-19 11:01:19
End at: 2018-06-19 11:01:49
Local clock offset: -8.303 ms
Remote clock offset: 44.453 ms

Below is generated by plot.py at 2018-06-19 12:10:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: -22.007 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: -24.908 ms
Loss rate: 2.83%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: -16.528 ms
Loss rate: 5.50%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: -14.254 ms
Loss rate: 5.18%

Run 7: Report of FillP — Data Link

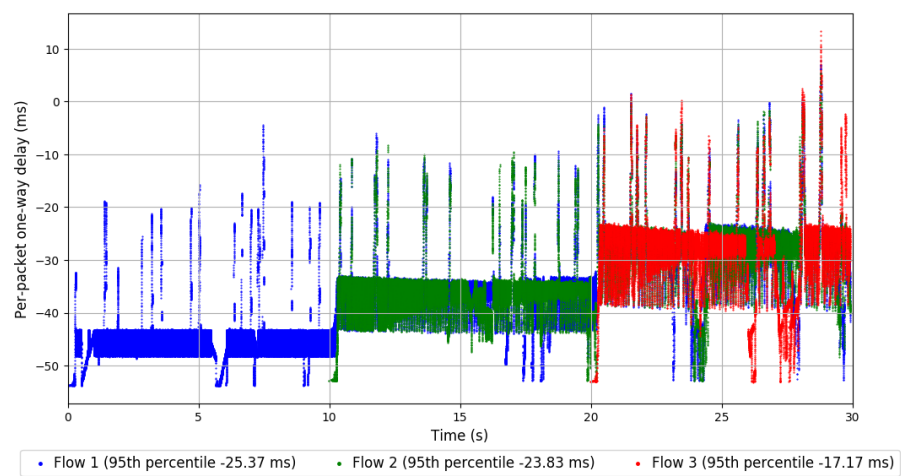
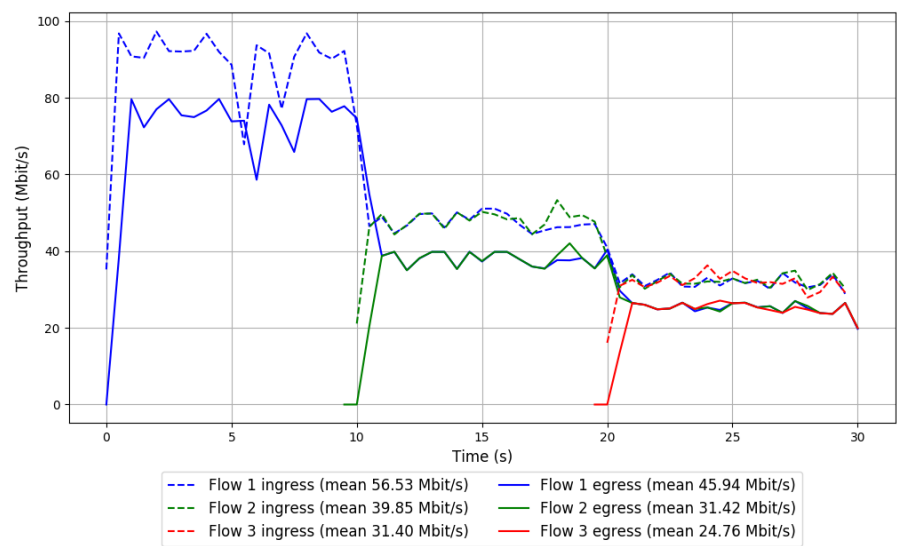


Run 8: Statistics of FillP

Start at: 2018-06-19 11:19:10
End at: 2018-06-19 11:19:40
Local clock offset: -2.604 ms
Remote clock offset: 45.868 ms

Below is generated by plot.py at 2018-06-19 12:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: -24.461 ms
Loss rate: 19.70%
-- Flow 1:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: -25.370 ms
Loss rate: 18.74%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: -23.828 ms
Loss rate: 21.13%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: -17.174 ms
Loss rate: 21.25%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-19 11:37:06

End at: 2018-06-19 11:37:36

Local clock offset: -1.475 ms

Remote clock offset: 46.3 ms

Below is generated by plot.py at 2018-06-19 12:11:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: -25.616 ms

Loss rate: 19.45%

-- Flow 1:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: -28.833 ms

Loss rate: 18.92%

-- Flow 2:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: -25.203 ms

Loss rate: 20.32%

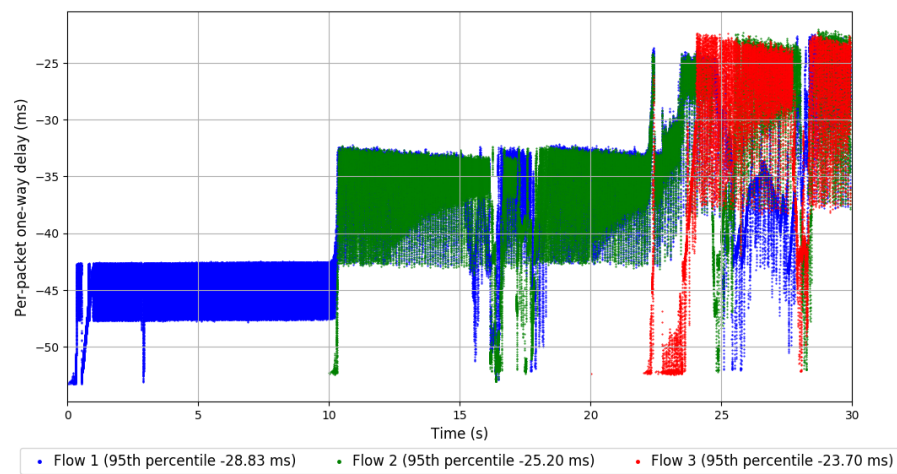
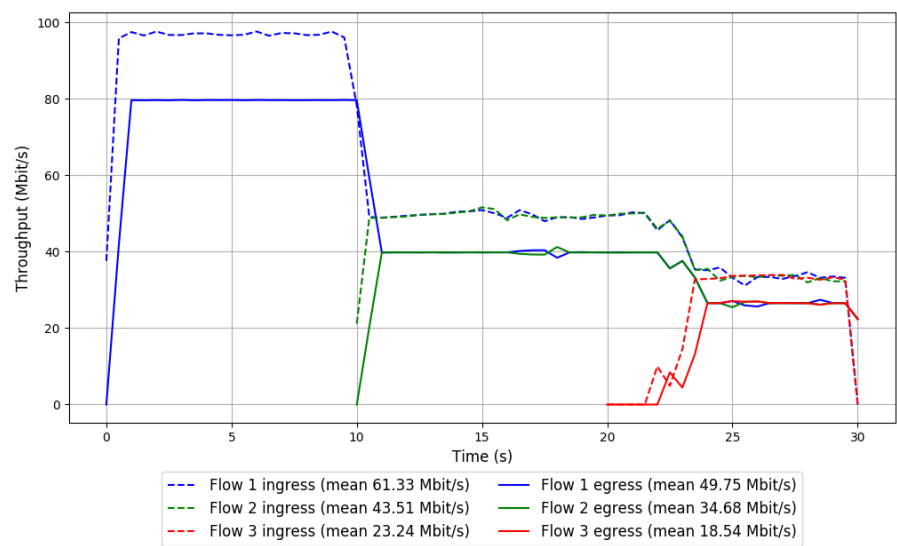
-- Flow 3:

Average throughput: 18.54 Mbit/s

95th percentile per-packet one-way delay: -23.698 ms

Loss rate: 20.35%

Run 9: Report of FillP — Data Link

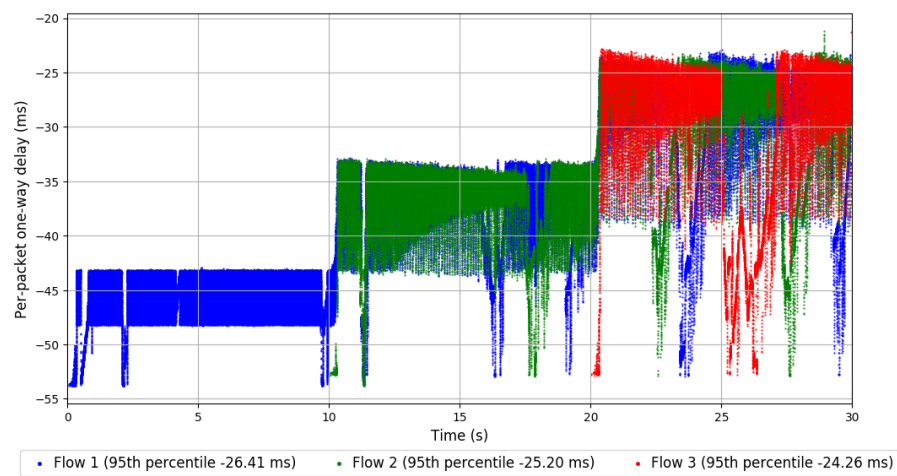
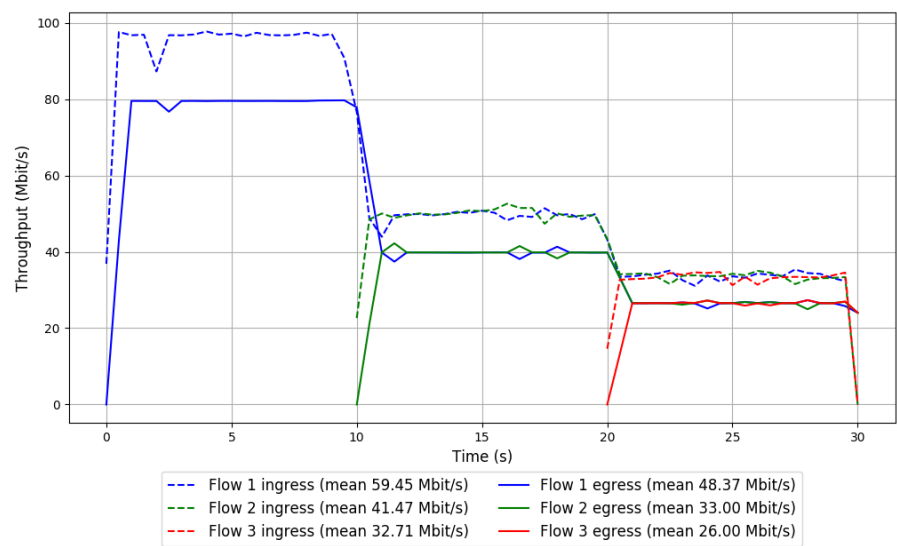


Run 10: Statistics of FillP

Start at: 2018-06-19 11:55:03
End at: 2018-06-19 11:55:33
Local clock offset: -1.82 ms
Remote clock offset: 52.656 ms

Below is generated by plot.py at 2018-06-19 12:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: -25.353 ms
Loss rate: 19.38%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: -26.408 ms
Loss rate: 18.65%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: -25.203 ms
Loss rate: 20.49%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: -24.262 ms
Loss rate: 20.59%

Run 10: Report of FillP — Data Link

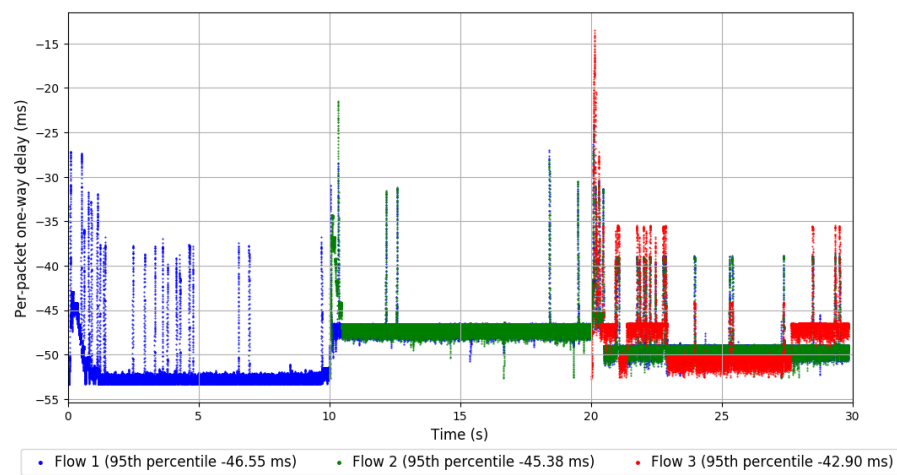
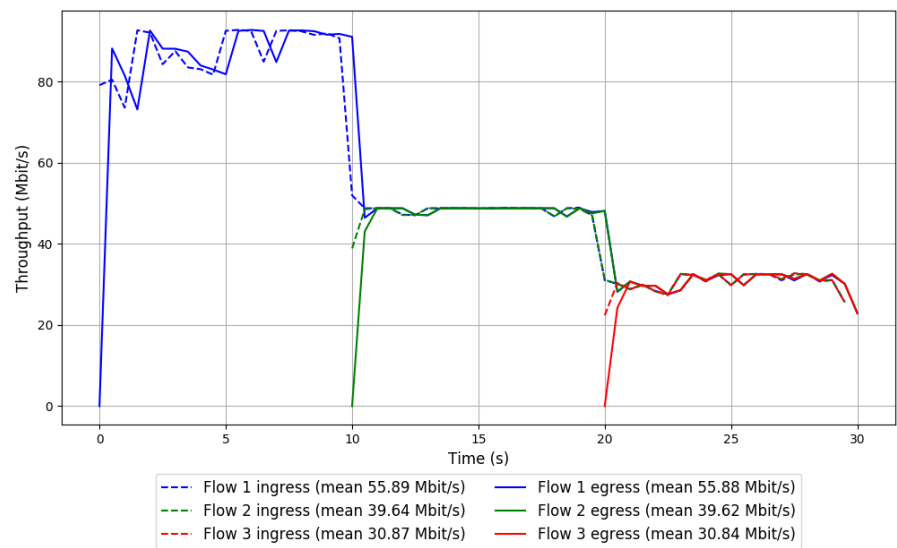


Run 1: Statistics of Indigo

Start at: 2018-06-19 09:16:15
End at: 2018-06-19 09:16:45
Local clock offset: -6.838 ms
Remote clock offset: 52.784 ms

Below is generated by plot.py at 2018-06-19 12:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: -45.918 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: -46.552 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: -45.381 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: -42.898 ms
Loss rate: 0.09%

Run 1: Report of Indigo — Data Link

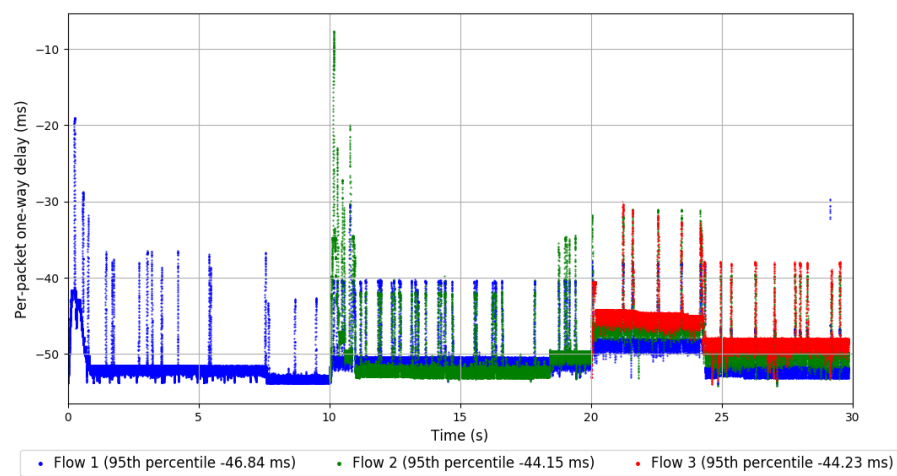
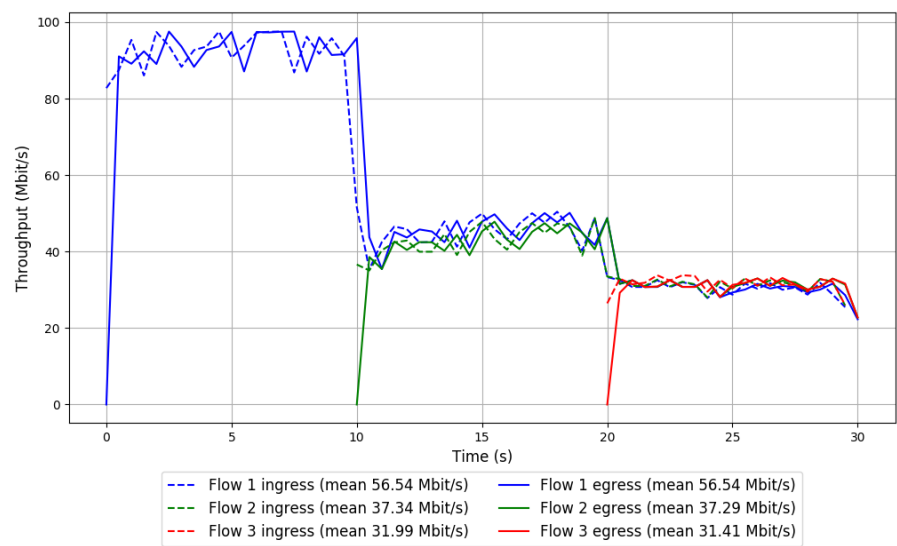


Run 2: Statistics of Indigo

Start at: 2018-06-19 09:34:09
End at: 2018-06-19 09:34:39
Local clock offset: -8.82 ms
Remote clock offset: 49.786 ms

Below is generated by plot.py at 2018-06-19 12:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: -44.478 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: -46.839 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: -44.152 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: -44.232 ms
Loss rate: 1.82%

Run 2: Report of Indigo — Data Link

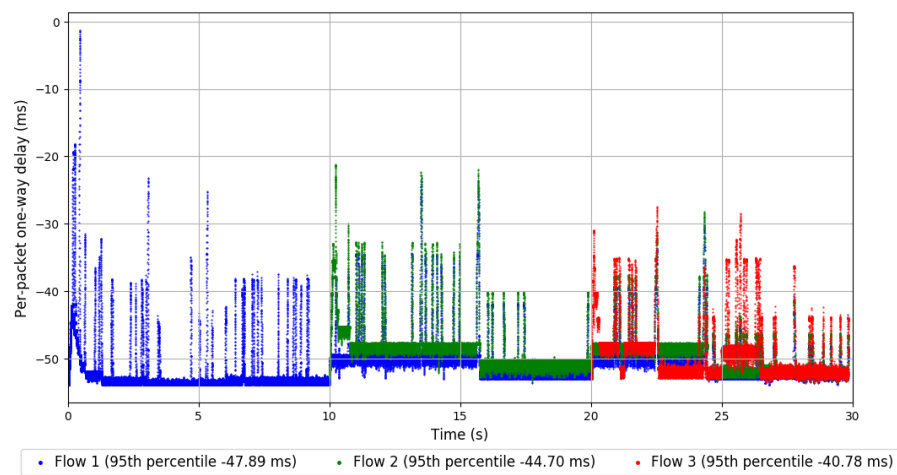
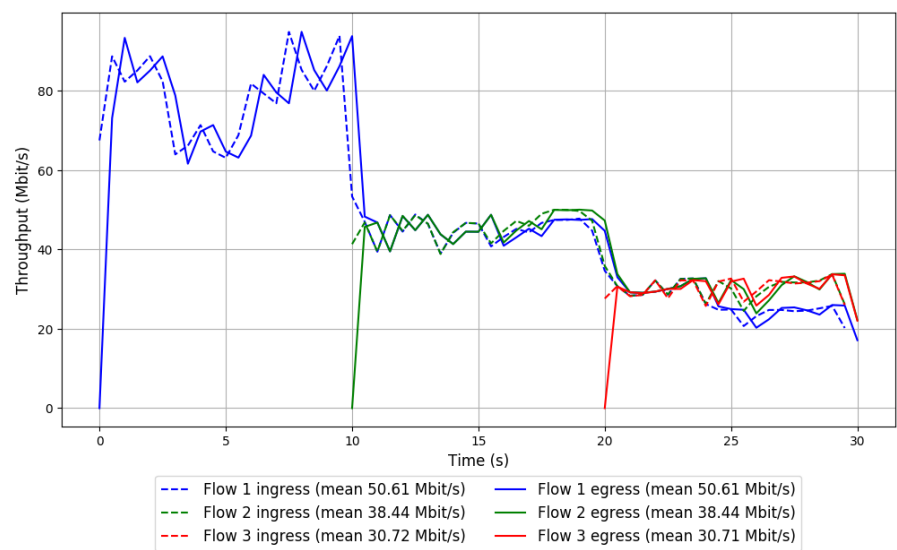


Run 3: Statistics of Indigo

Start at: 2018-06-19 09:52:04
End at: 2018-06-19 09:52:34
Local clock offset: -3.321 ms
Remote clock offset: 49.518 ms

Below is generated by plot.py at 2018-06-19 12:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: -45.349 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: -47.892 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: -44.705 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: -40.778 ms
Loss rate: 0.07%

Run 3: Report of Indigo — Data Link

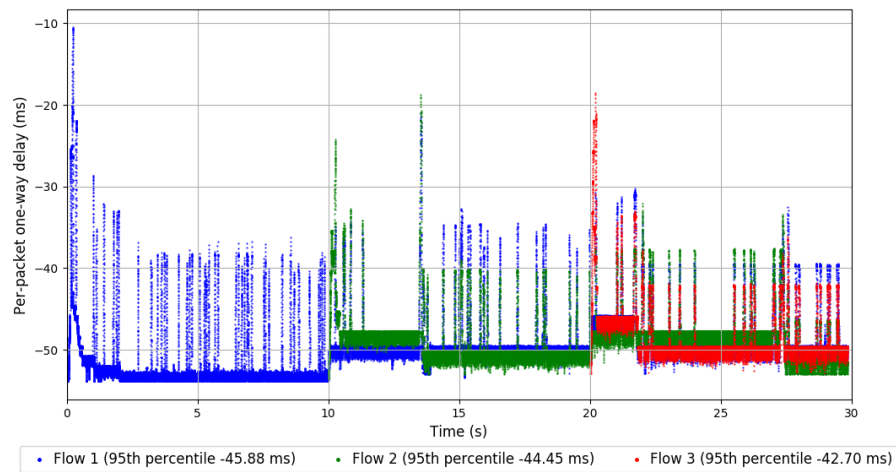
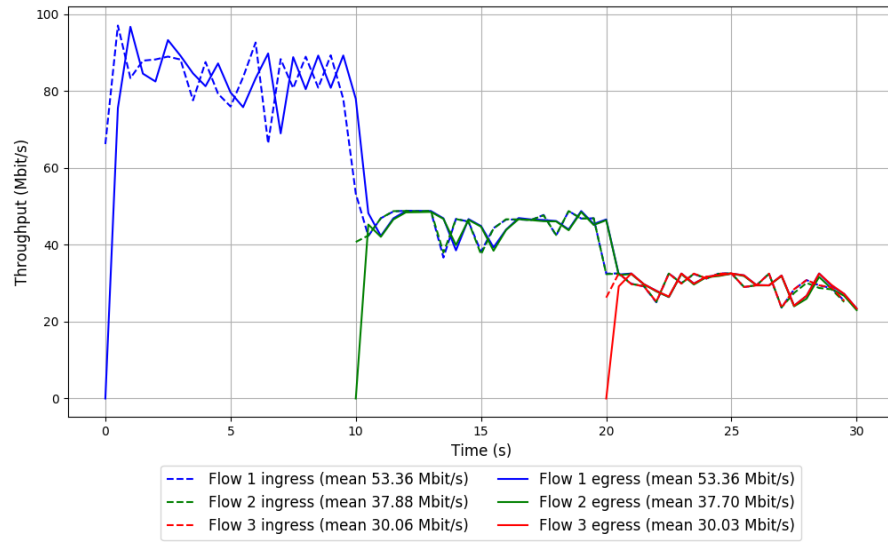


Run 4: Statistics of Indigo

Start at: 2018-06-19 10:09:56
End at: 2018-06-19 10:10:26
Local clock offset: -1.812 ms
Remote clock offset: 52.396 ms

Below is generated by plot.py at 2018-06-19 12:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: -45.133 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: -45.875 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: -44.452 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: -42.701 ms
Loss rate: 0.10%

Run 4: Report of Indigo — Data Link

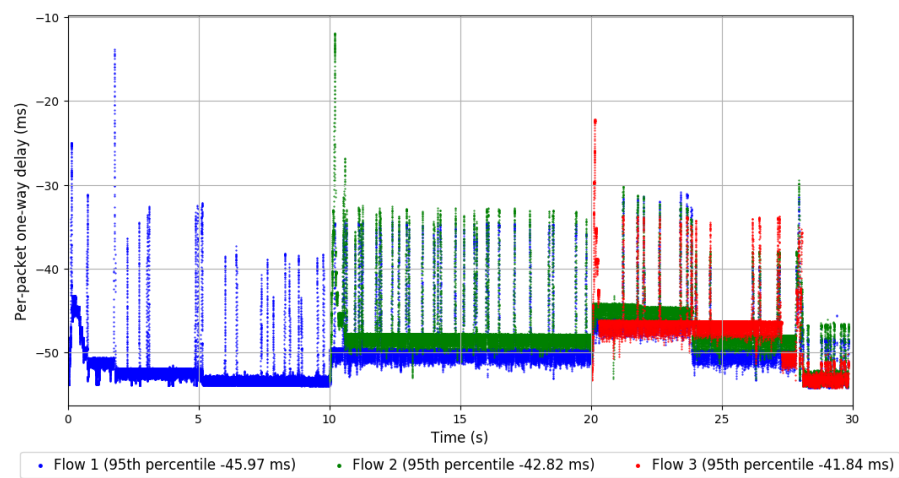
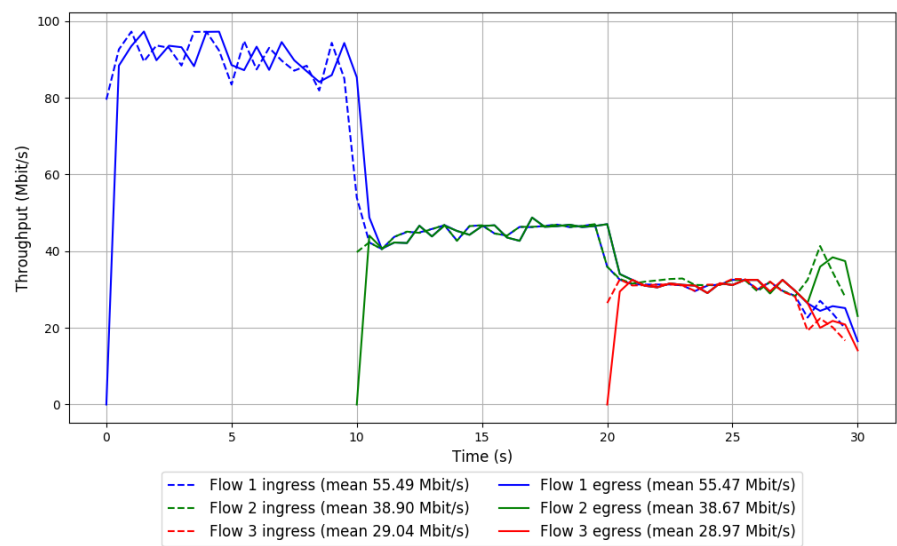


Run 5: Statistics of Indigo

Start at: 2018-06-19 10:27:46
End at: 2018-06-19 10:28:16
Local clock offset: -0.608 ms
Remote clock offset: 52.902 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: -44.419 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: -45.966 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: -42.823 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: -41.838 ms
Loss rate: 0.28%

Run 5: Report of Indigo — Data Link

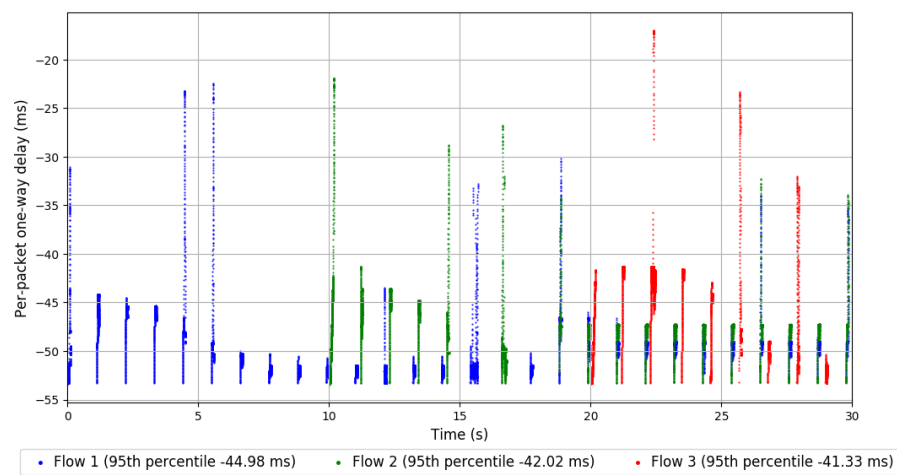
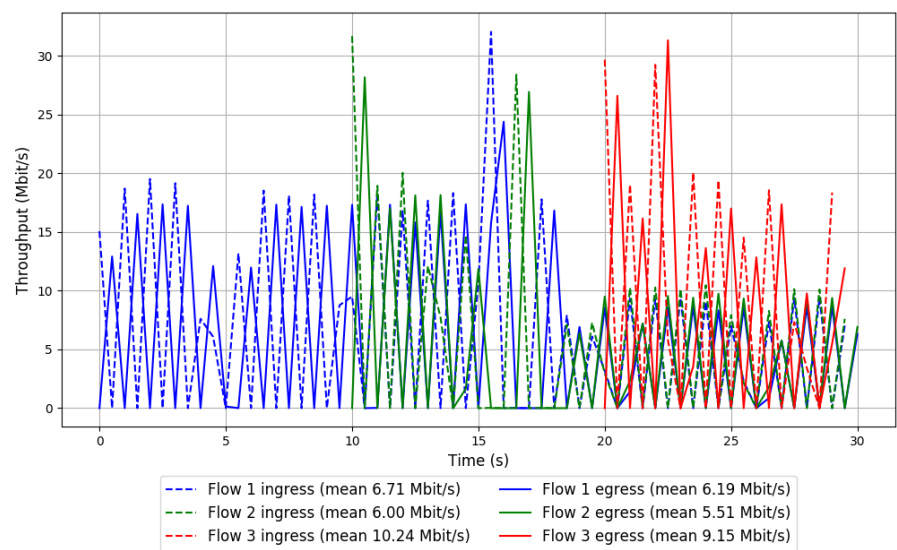


Run 6: Statistics of Indigo

Start at: 2018-06-19 10:45:37
End at: 2018-06-19 10:46:07
Local clock offset: -5.97 ms
Remote clock offset: 46.322 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: -41.522 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: -44.977 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: -42.024 ms
Loss rate: 8.24%
-- Flow 3:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: -41.334 ms
Loss rate: 10.65%

Run 6: Report of Indigo — Data Link

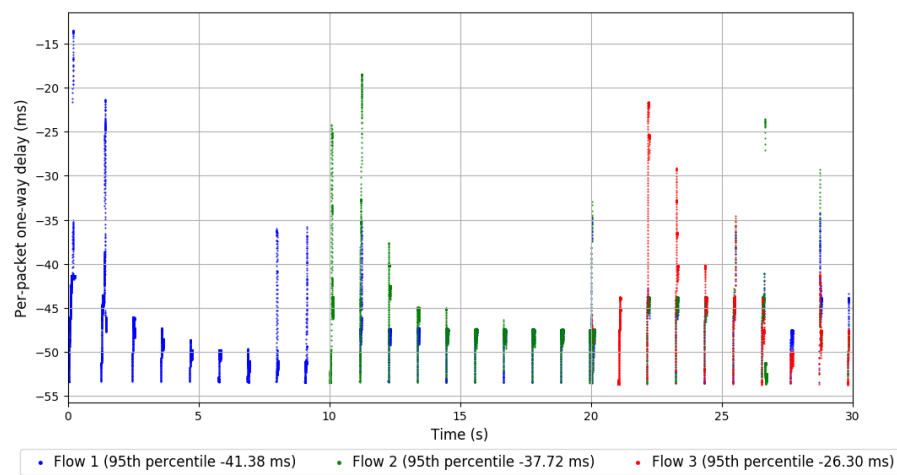
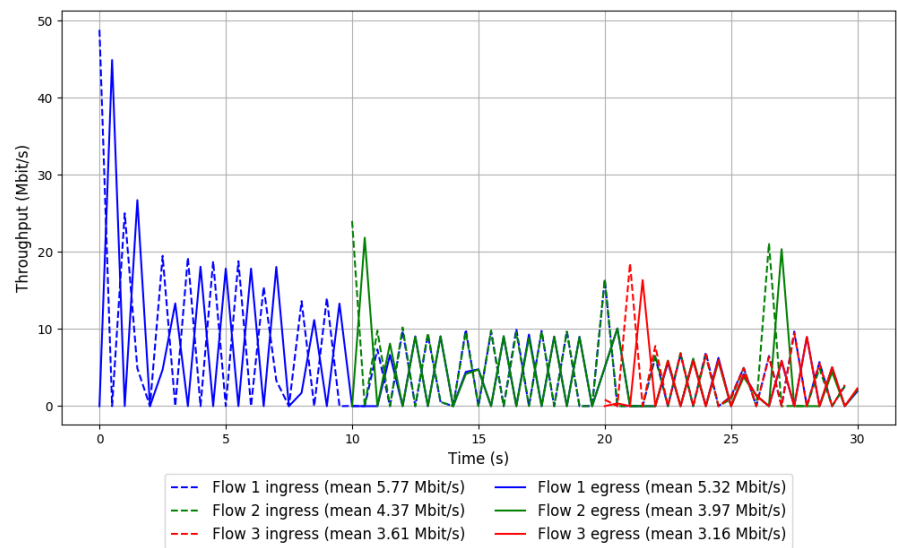


Run 7: Statistics of Indigo

Start at: 2018-06-19 11:03:30
End at: 2018-06-19 11:04:00
Local clock offset: -8.482 ms
Remote clock offset: 44.592 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: -40.107 ms
Loss rate: 8.69%
-- Flow 1:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: -41.376 ms
Loss rate: 7.76%
-- Flow 2:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: -37.719 ms
Loss rate: 9.00%
-- Flow 3:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: -26.303 ms
Loss rate: 12.47%

Run 7: Report of Indigo — Data Link

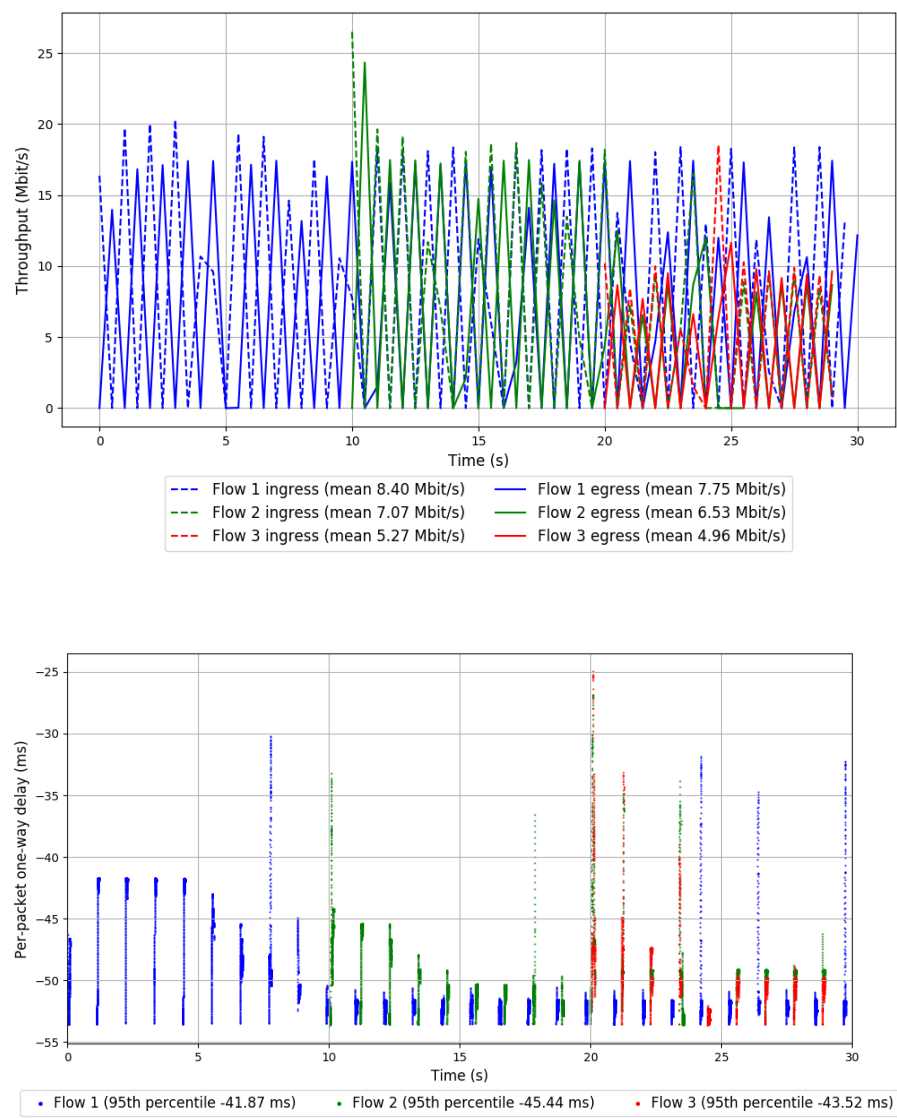


Run 8: Statistics of Indigo

Start at: 2018-06-19 11:21:21
End at: 2018-06-19 11:21:51
Local clock offset: -2.269 ms
Remote clock offset: 45.571 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: -41.916 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: -41.874 ms
Loss rate: 7.73%
-- Flow 2:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: -45.440 ms
Loss rate: 7.56%
-- Flow 3:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: -43.517 ms
Loss rate: 5.97%

Run 8: Report of Indigo — Data Link

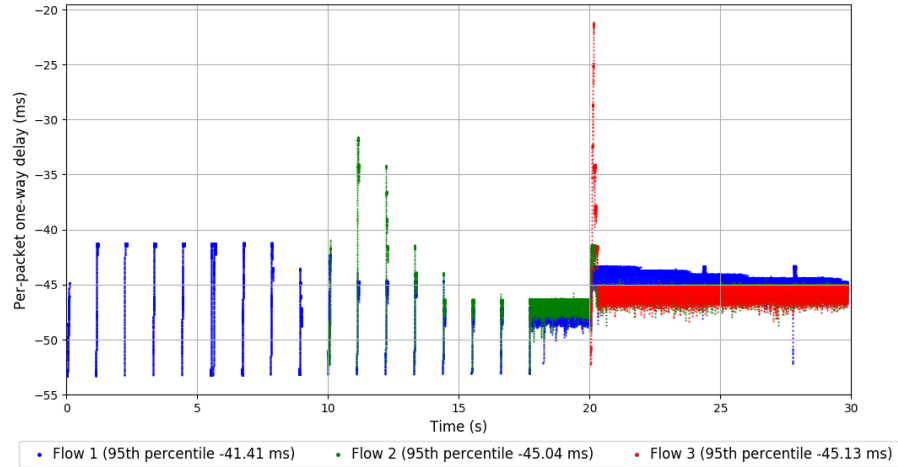
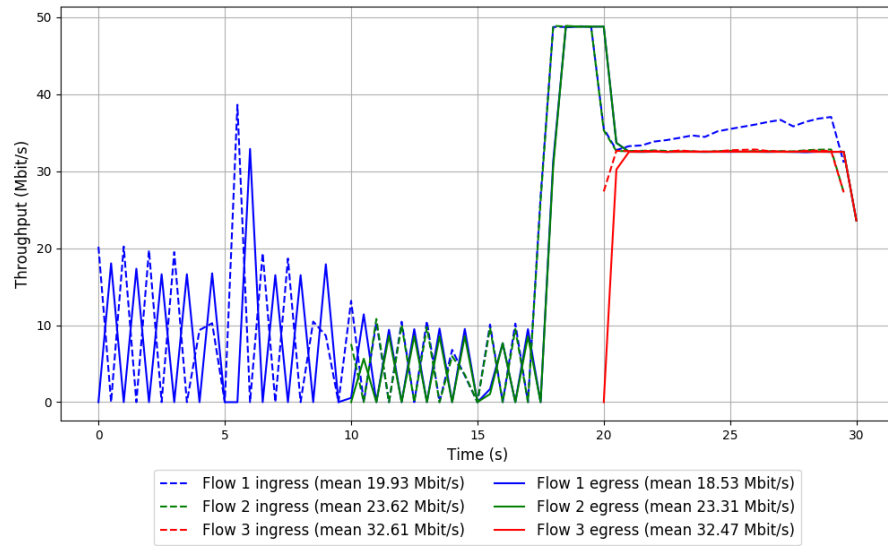


Run 9: Statistics of Indigo

Start at: 2018-06-19 11:39:17
End at: 2018-06-19 11:39:47
Local clock offset: -1.674 ms
Remote clock offset: 47.704 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: -43.363 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: -41.411 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: -45.044 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: -45.128 ms
Loss rate: 0.44%

Run 9: Report of Indigo — Data Link

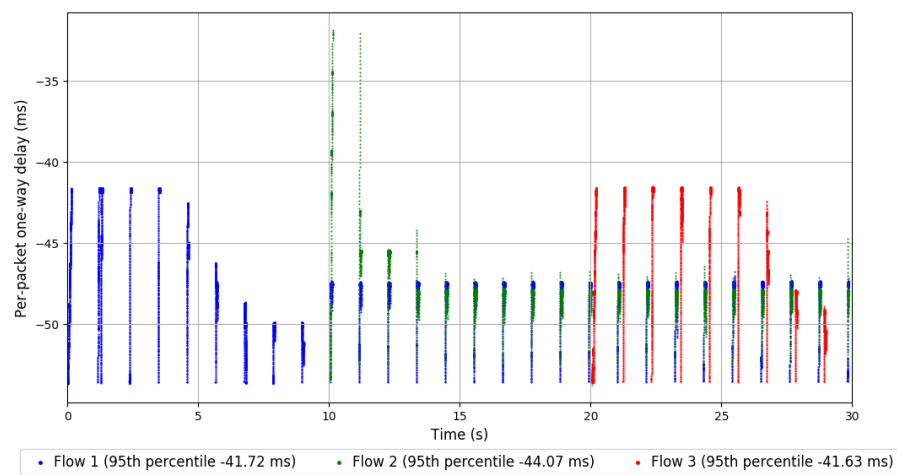
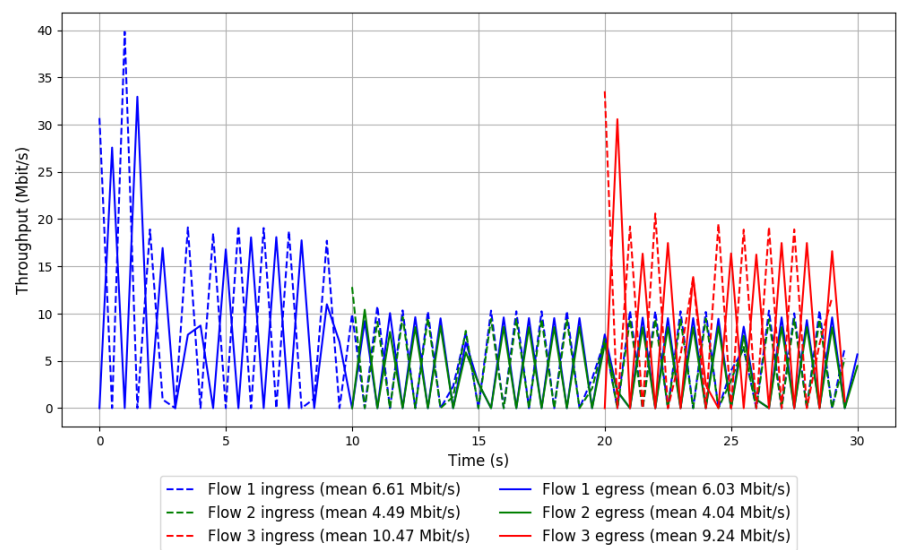


Run 10: Statistics of Indigo

Start at: 2018-06-19 11:57:14
End at: 2018-06-19 11:57:44
Local clock offset: -1.797 ms
Remote clock offset: 52.917 ms

Below is generated by plot.py at 2018-06-19 12:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: -41.686 ms
Loss rate: 9.83%
-- Flow 1:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: -41.721 ms
Loss rate: 8.78%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: -44.072 ms
Loss rate: 10.08%
-- Flow 3:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: -41.635 ms
Loss rate: 11.80%

Run 10: Report of Indigo — Data Link

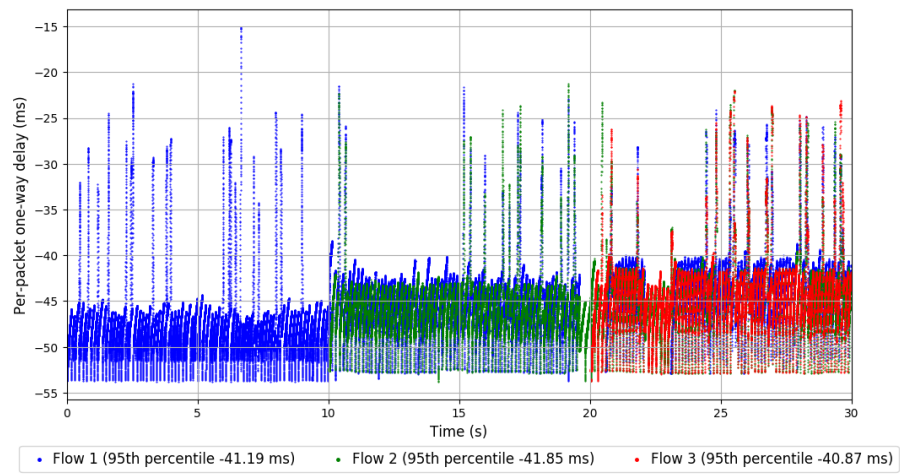
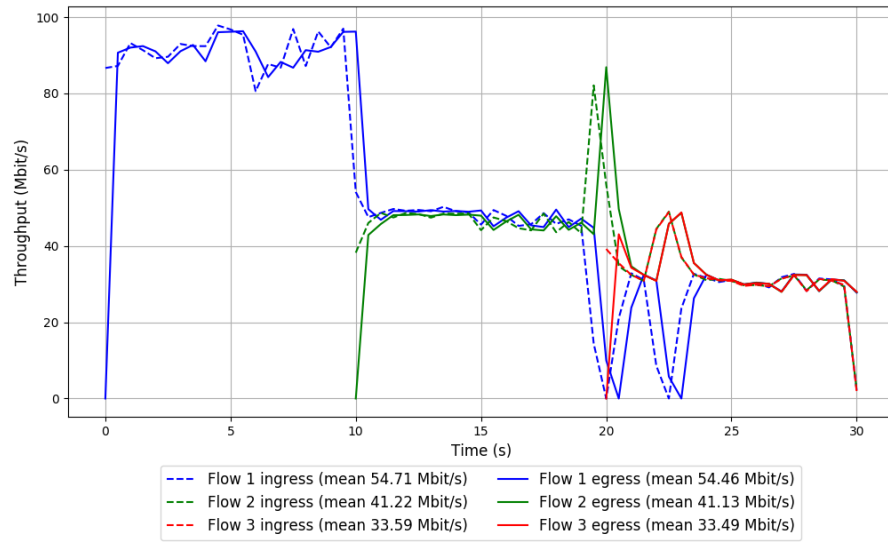


Run 1: Statistics of LEDBAT

Start at: 2018-06-19 09:19:38
End at: 2018-06-19 09:20:08
Local clock offset: -7.491 ms
Remote clock offset: 52.647 ms

Below is generated by plot.py at 2018-06-19 12:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: -41.360 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: -41.188 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: -41.847 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: -40.870 ms
Loss rate: 0.33%

Run 1: Report of LEDBAT — Data Link

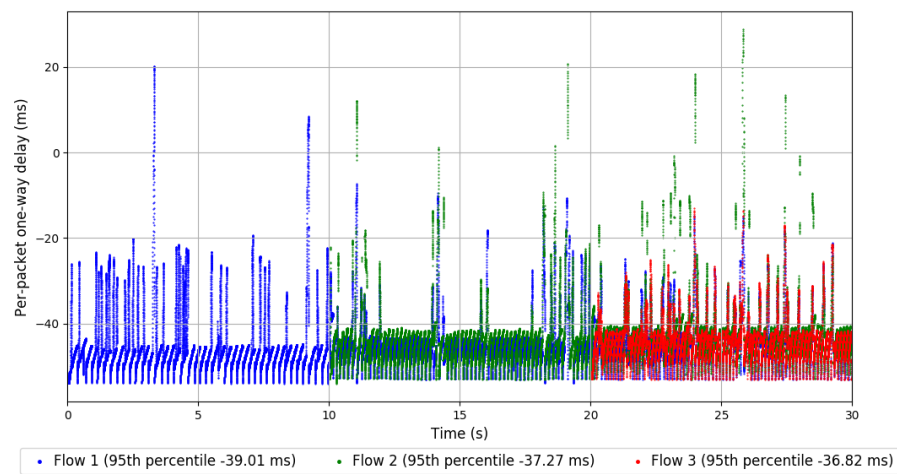
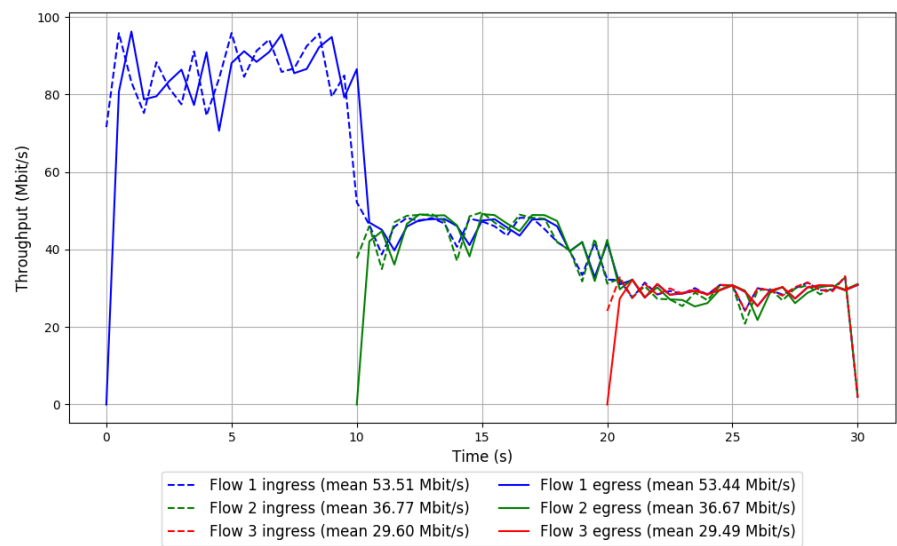


Run 2: Statistics of LEDBAT

Start at: 2018-06-19 09:37:33
End at: 2018-06-19 09:38:03
Local clock offset: -6.841 ms
Remote clock offset: 49.829 ms

Below is generated by plot.py at 2018-06-19 12:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: -38.142 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.44 Mbit/s
95th percentile per-packet one-way delay: -39.011 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: -37.273 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: -36.819 ms
Loss rate: 0.40%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-19 09:55:28

End at: 2018-06-19 09:55:58

Local clock offset: -3.015 ms

Remote clock offset: 50.2 ms

Below is generated by plot.py at 2018-06-19 12:12:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: -37.814 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: -40.101 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: -35.903 ms

Loss rate: 0.31%

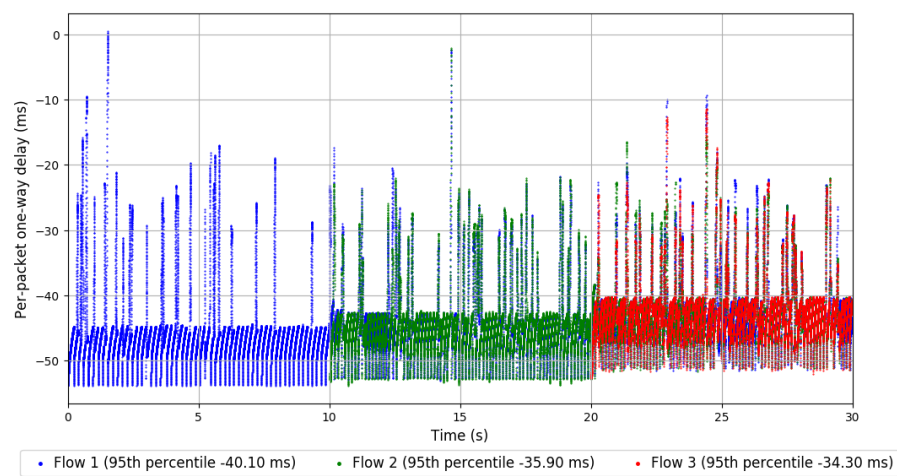
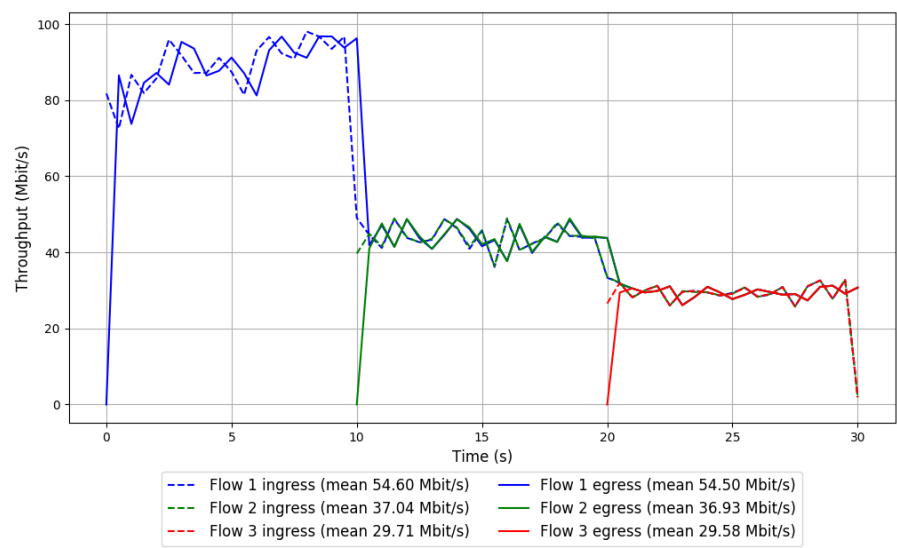
-- Flow 3:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: -34.295 ms

Loss rate: 0.48%

Run 3: Report of LEDBAT — Data Link

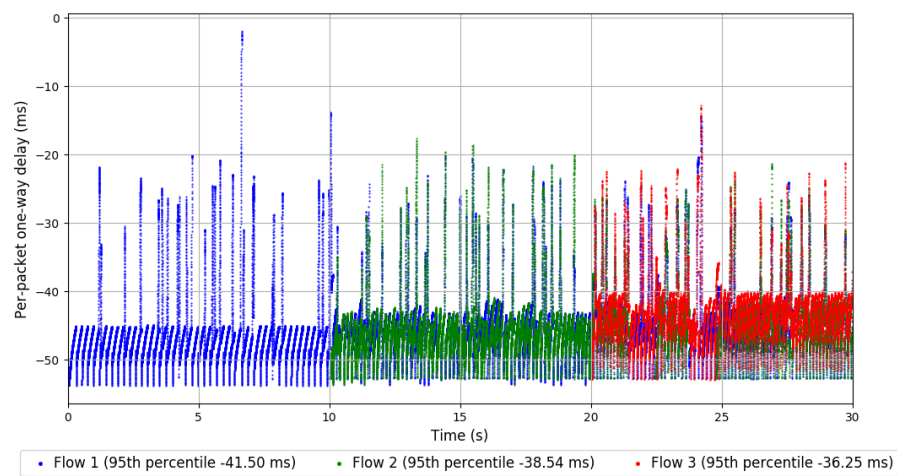
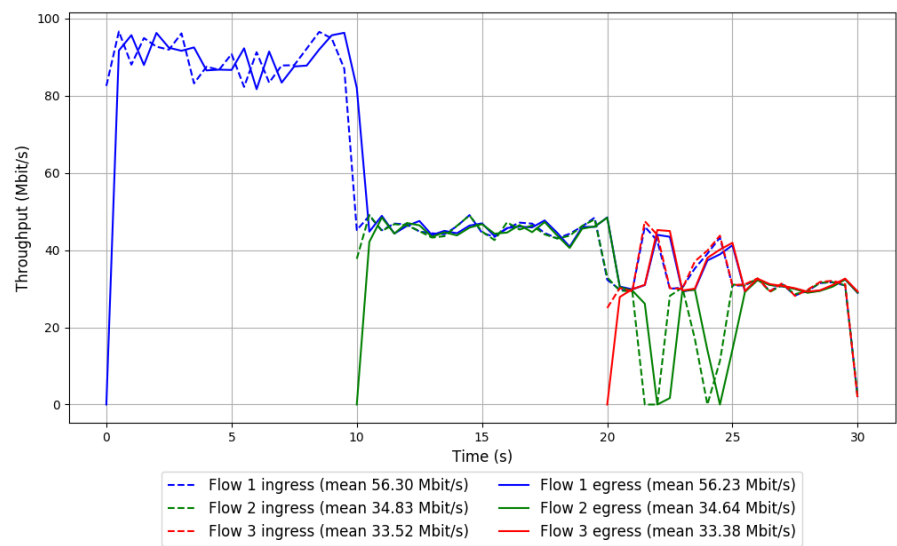


Run 4: Statistics of LEDBAT

Start at: 2018-06-19 10:13:19
End at: 2018-06-19 10:13:49
Local clock offset: -1.509 ms
Remote clock offset: 52.557 ms

Below is generated by plot.py at 2018-06-19 12:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: -39.756 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: -41.499 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: -38.539 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: -36.253 ms
Loss rate: 0.36%

Run 4: Report of LEDBAT — Data Link

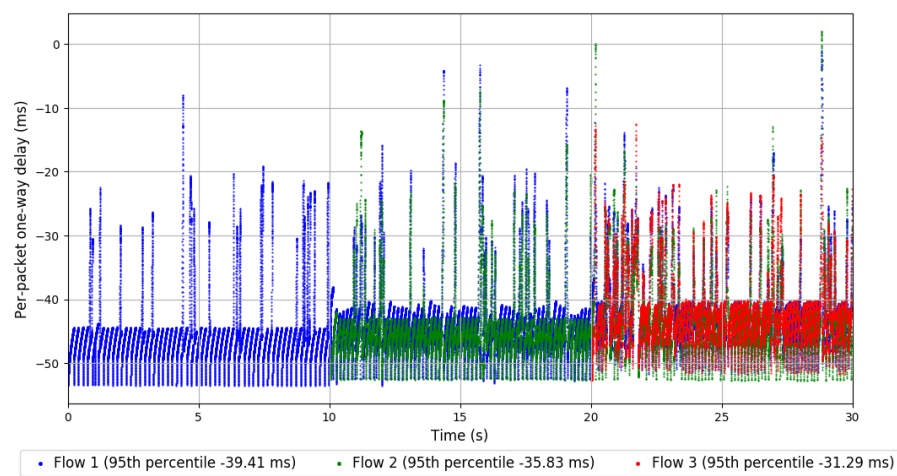
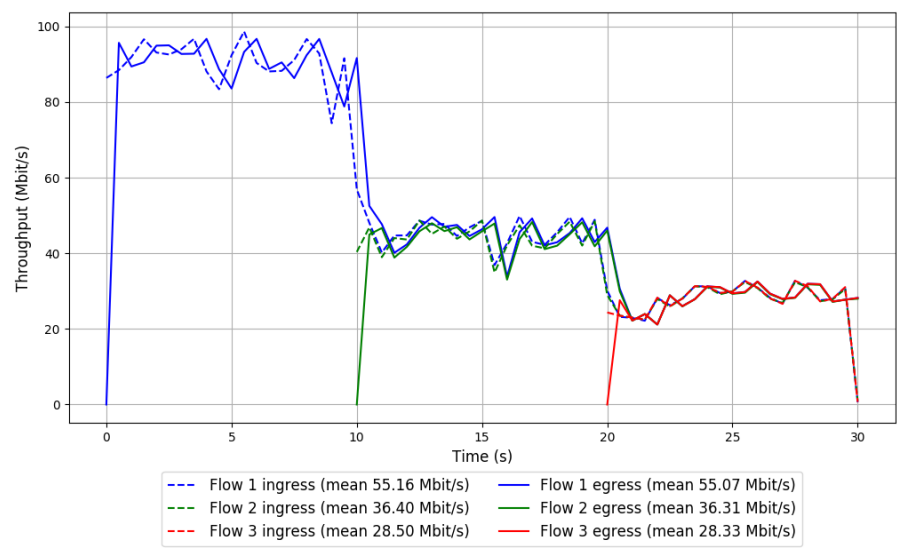


Run 5: Statistics of LEDBAT

Start at: 2018-06-19 10:31:10
End at: 2018-06-19 10:31:40
Local clock offset: -0.461 ms
Remote clock offset: 50.599 ms

Below is generated by plot.py at 2018-06-19 12:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: -36.883 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: -39.414 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: -35.829 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: -31.292 ms
Loss rate: 0.47%

Run 5: Report of LEDBAT — Data Link

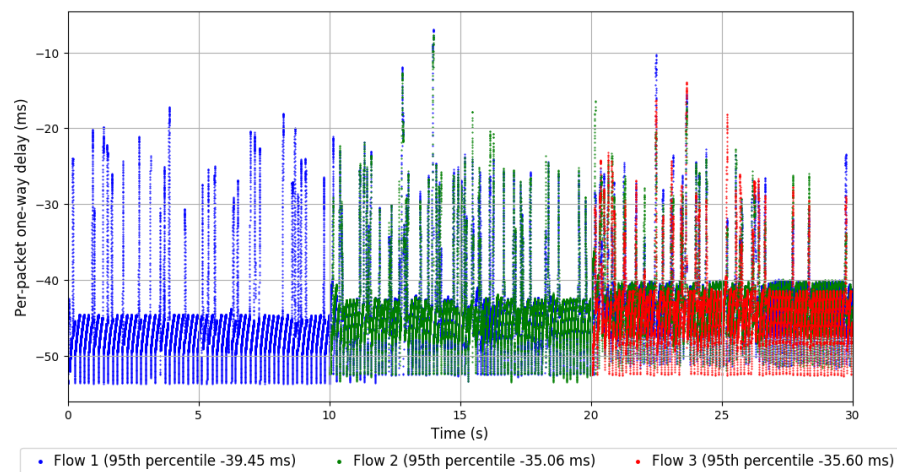
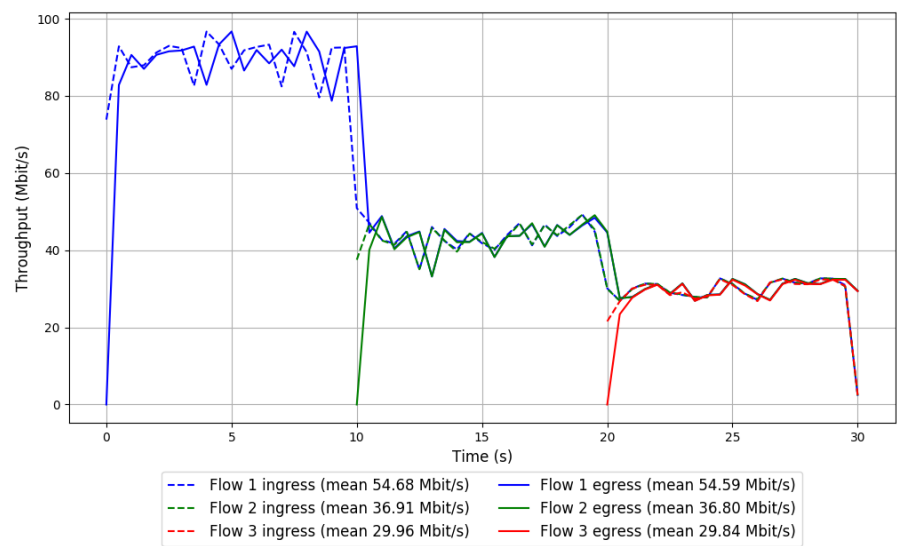


Run 6: Statistics of LEDBAT

Start at: 2018-06-19 10:48:56
End at: 2018-06-19 10:49:26
Local clock offset: -6.701 ms
Remote clock offset: 46.027 ms

Below is generated by plot.py at 2018-06-19 12:12:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: -37.348 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: -39.448 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: -35.057 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: -35.597 ms
Loss rate: 0.41%

Run 6: Report of LEDBAT — Data Link

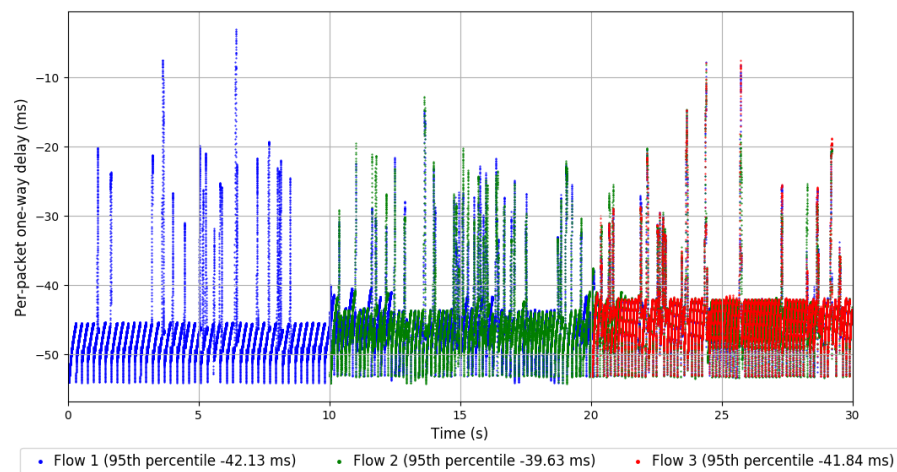
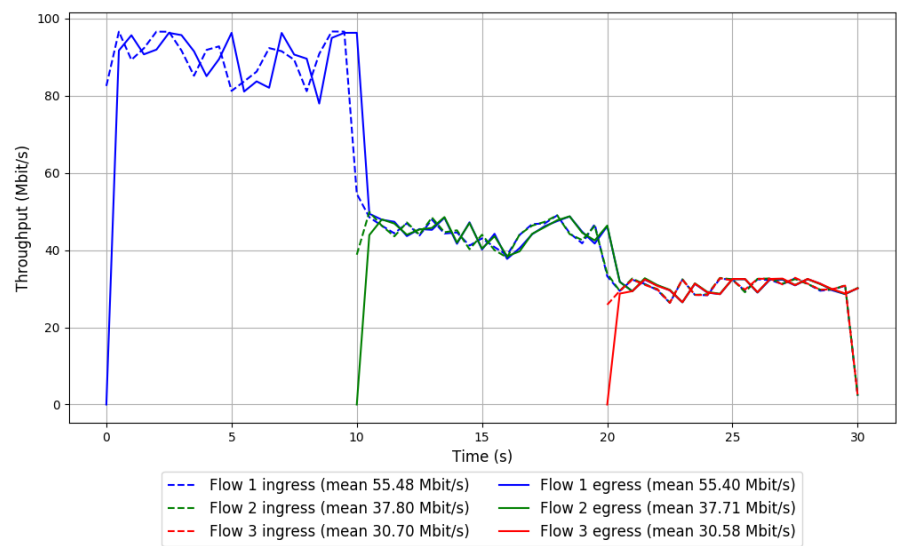


Run 7: Statistics of LEDBAT

Start at: 2018-06-19 11:06:49
End at: 2018-06-19 11:07:19
Local clock offset: -6.631 ms
Remote clock offset: 45.462 ms

Below is generated by plot.py at 2018-06-19 12:13:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: -41.663 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: -42.126 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: -39.628 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: -41.837 ms
Loss rate: 0.43%

Run 7: Report of LEDBAT — Data Link

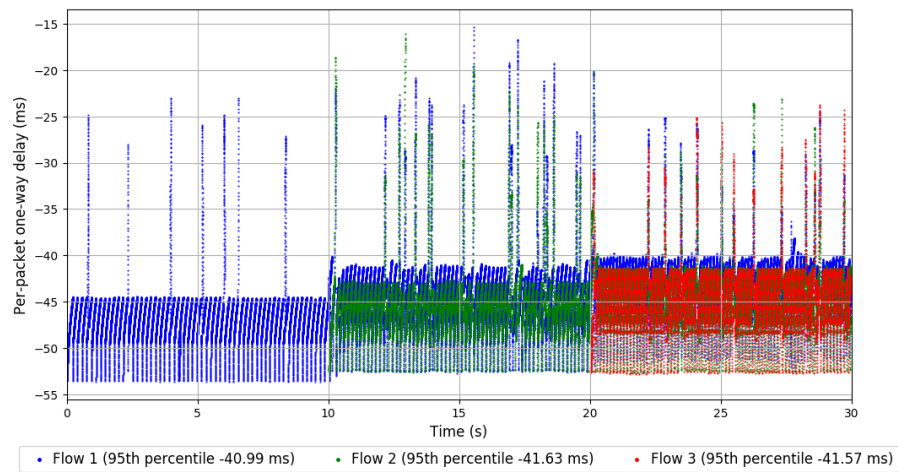
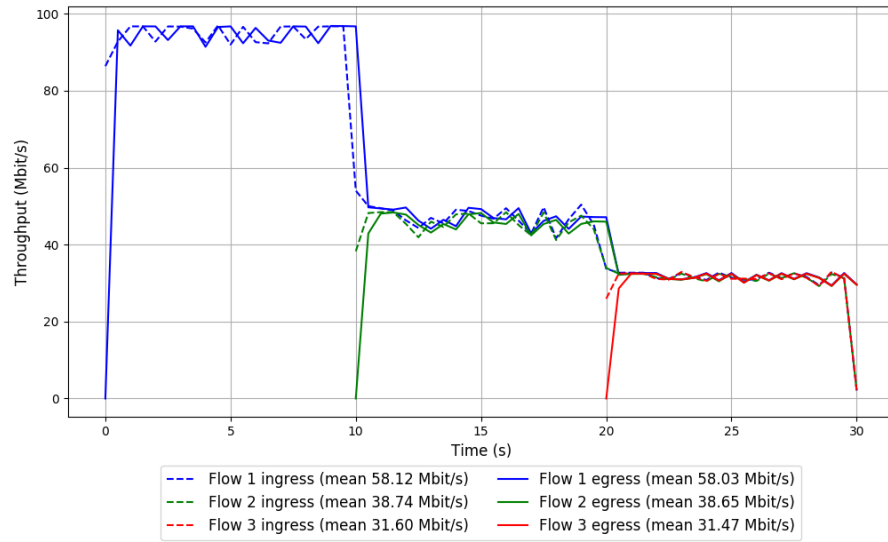


Run 8: Statistics of LEDBAT

Start at: 2018-06-19 11:24:41
End at: 2018-06-19 11:25:11
Local clock offset: -1.883 ms
Remote clock offset: 45.601 ms

Below is generated by plot.py at 2018-06-19 12:13:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: -41.201 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: -40.991 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: -41.627 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: -41.574 ms
Loss rate: 0.43%

Run 8: Report of LEDBAT — Data Link

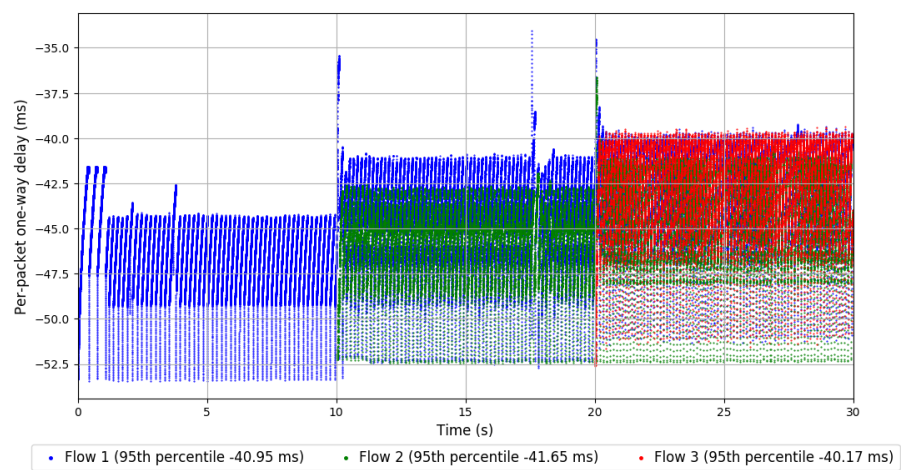
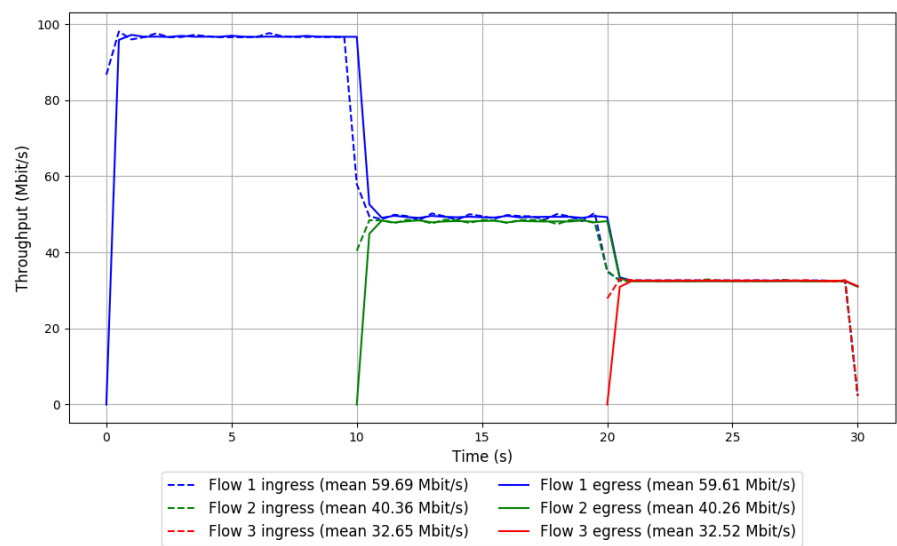


Run 9: Statistics of LEDBAT

Start at: 2018-06-19 11:42:39
End at: 2018-06-19 11:43:09
Local clock offset: -1.744 ms
Remote clock offset: 49.494 ms

Below is generated by plot.py at 2018-06-19 12:13:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: -40.758 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: -40.948 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: -41.654 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: -40.169 ms
Loss rate: 0.42%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-19 12:00:34

End at: 2018-06-19 12:01:04

Local clock offset: -1.748 ms

Remote clock offset: 53.37 ms

Below is generated by plot.py at 2018-06-19 12:13:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: -41.166 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: -41.437 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: -40.785 ms

Loss rate: 0.27%

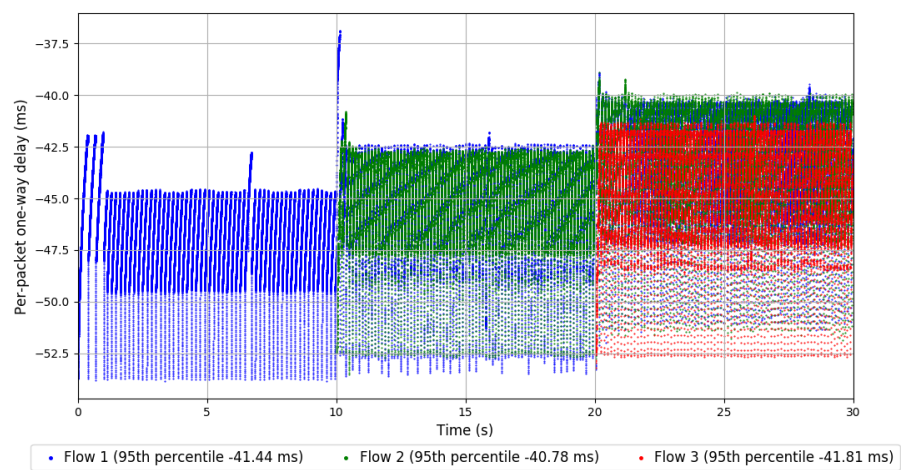
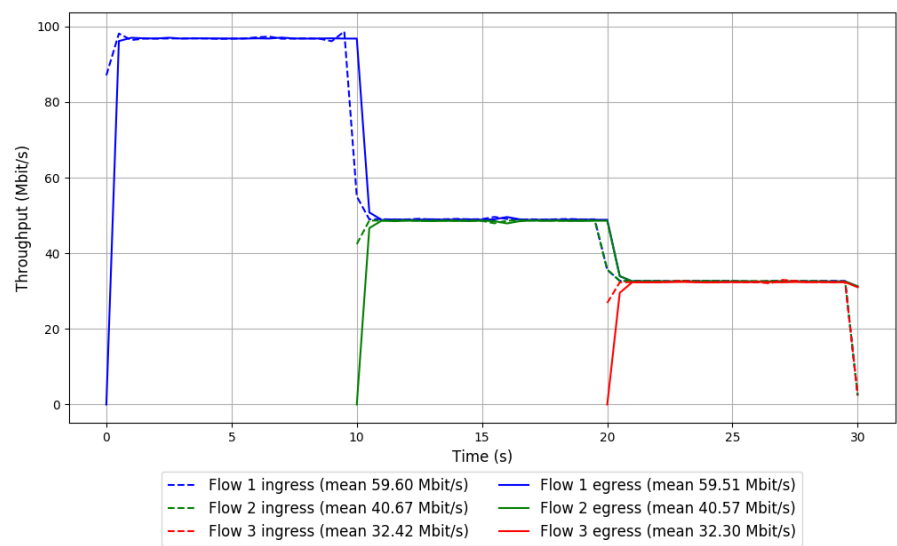
-- Flow 3:

Average throughput: 32.30 Mbit/s

95th percentile per-packet one-way delay: -41.813 ms

Loss rate: 0.42%

Run 10: Report of LEDBAT — Data Link

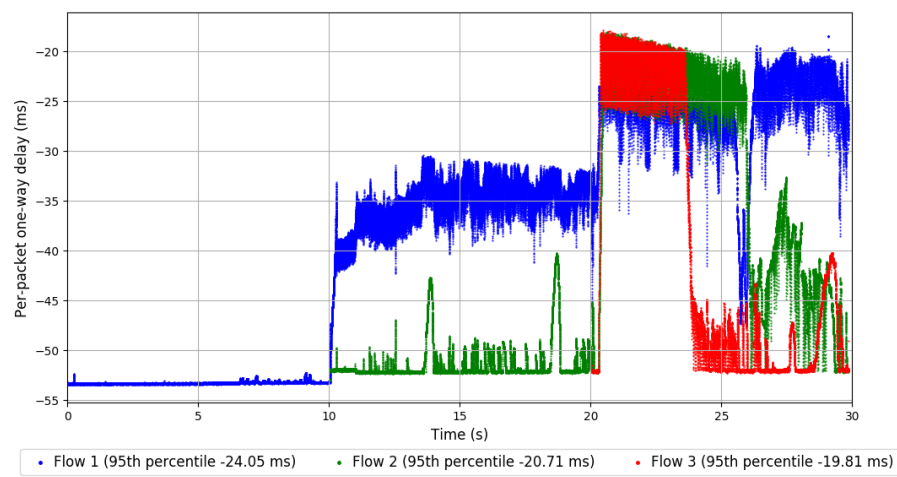
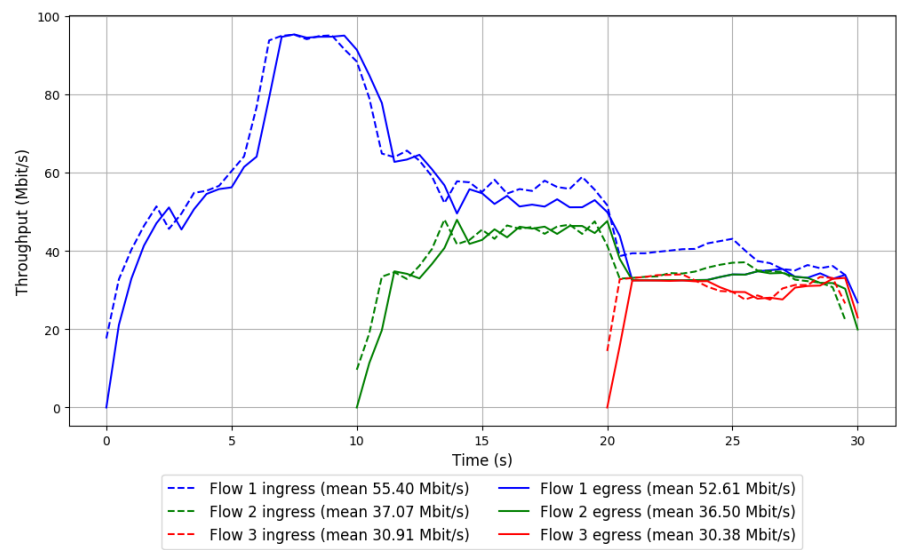


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-19 09:05:03
End at: 2018-06-19 09:05:33
Local clock offset: -3.361 ms
Remote clock offset: 52.206 ms

Below is generated by plot.py at 2018-06-19 12:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: -21.596 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: -24.045 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: -20.709 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: -19.806 ms
Loss rate: 1.73%

Run 1: Report of PCC-Allegro — Data Link

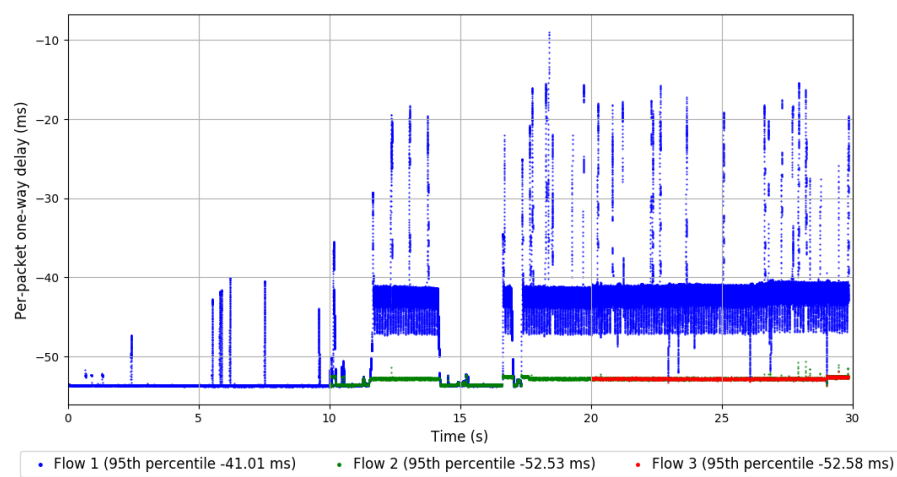
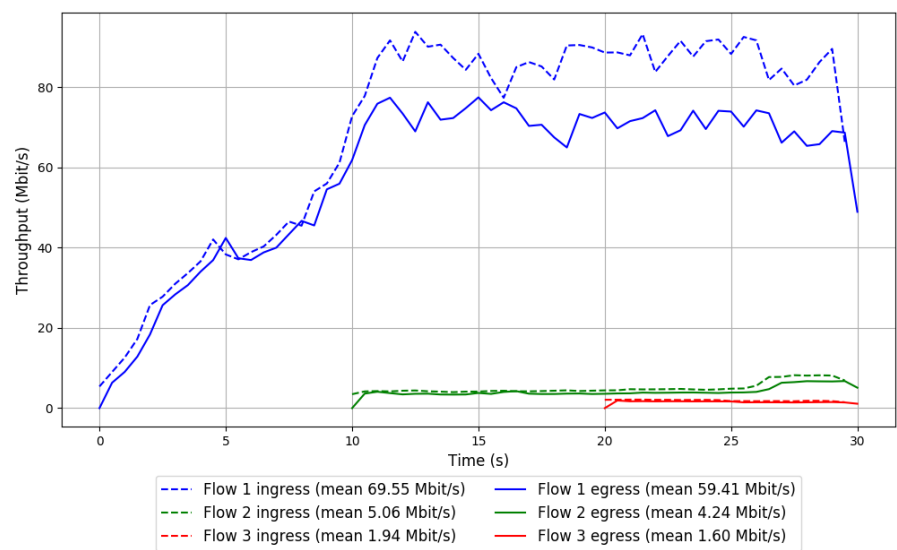


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-19 09:22:59
End at: 2018-06-19 09:23:29
Local clock offset: -7.872 ms
Remote clock offset: 51.749 ms

Below is generated by plot.py at 2018-06-19 12:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: -41.043 ms
Loss rate: 14.70%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: -41.011 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: -52.532 ms
Loss rate: 16.08%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: -52.577 ms
Loss rate: 17.68%

Run 2: Report of PCC-Allegro — Data Link

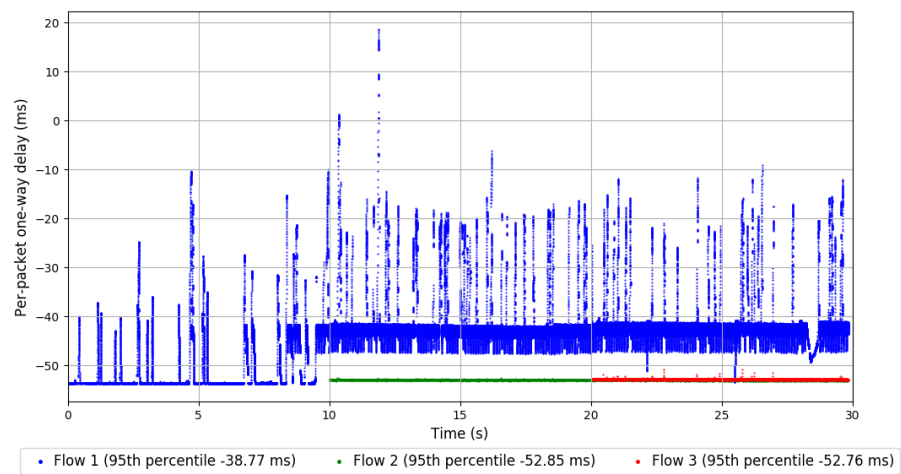
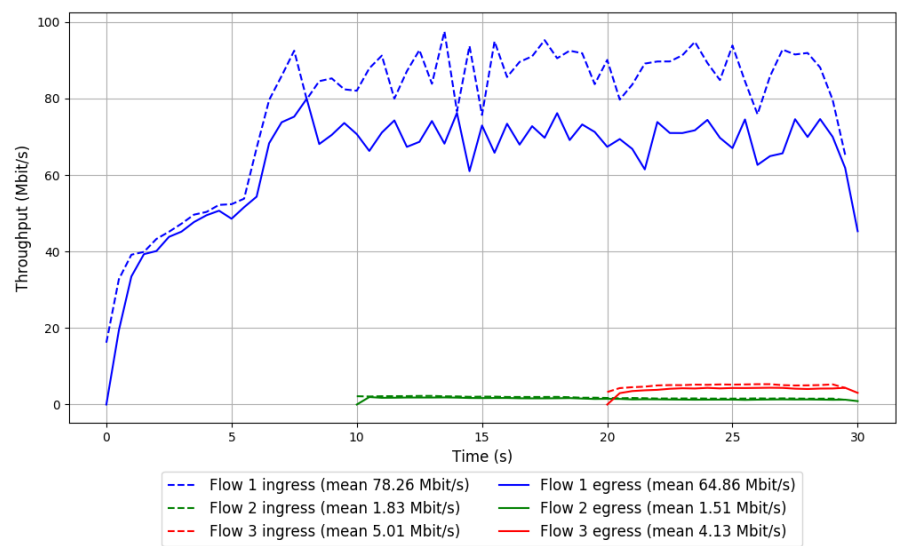


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-19 09:40:51
End at: 2018-06-19 09:41:21
Local clock offset: -5.501 ms
Remote clock offset: 49.504 ms

Below is generated by plot.py at 2018-06-19 12:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: -39.610 ms
Loss rate: 17.19%
-- Flow 1:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: -38.769 ms
Loss rate: 17.17%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -52.855 ms
Loss rate: 17.58%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: -52.756 ms
Loss rate: 17.73%

Run 3: Report of PCC-Allegro — Data Link

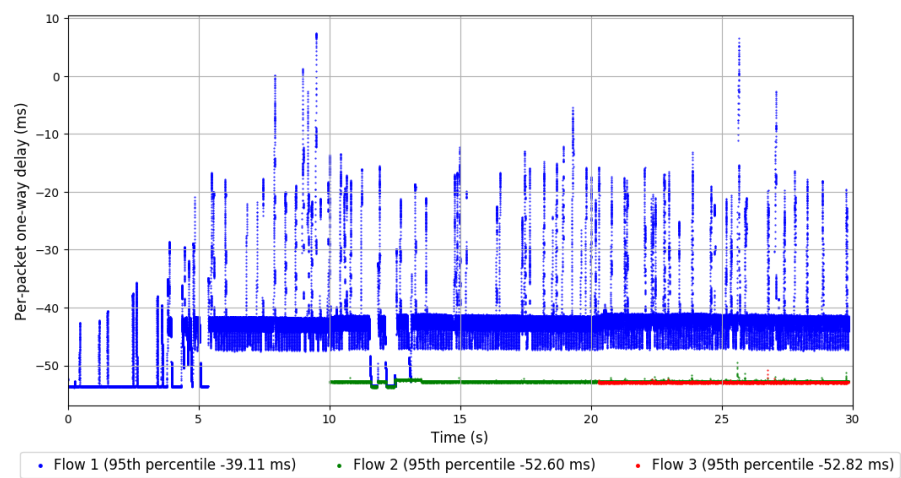
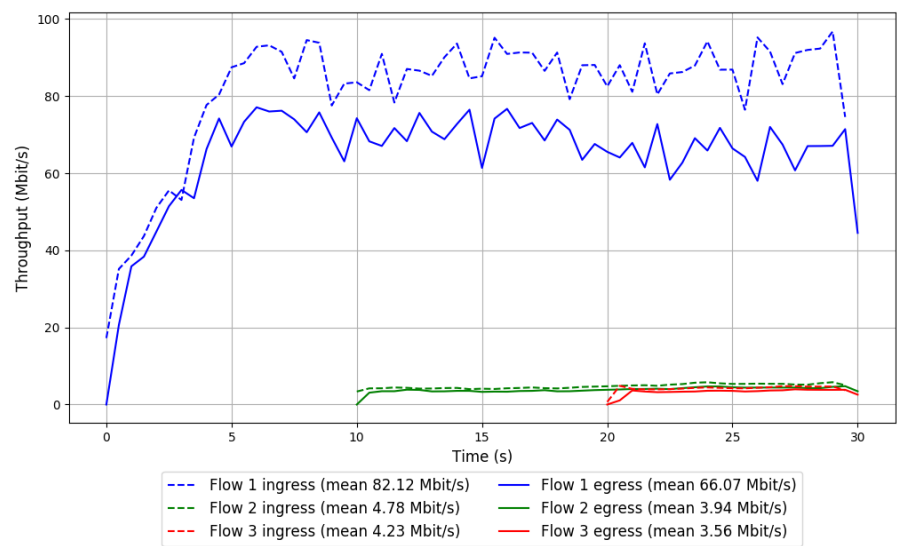


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-19 09:58:47
End at: 2018-06-19 09:59:17
Local clock offset: -2.84 ms
Remote clock offset: 50.925 ms

Below is generated by plot.py at 2018-06-19 12:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: -40.264 ms
Loss rate: 19.48%
-- Flow 1:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: -39.112 ms
Loss rate: 19.57%
-- Flow 2:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: -52.597 ms
Loss rate: 17.64%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: -52.818 ms
Loss rate: 18.23%

Run 4: Report of PCC-Allegro — Data Link

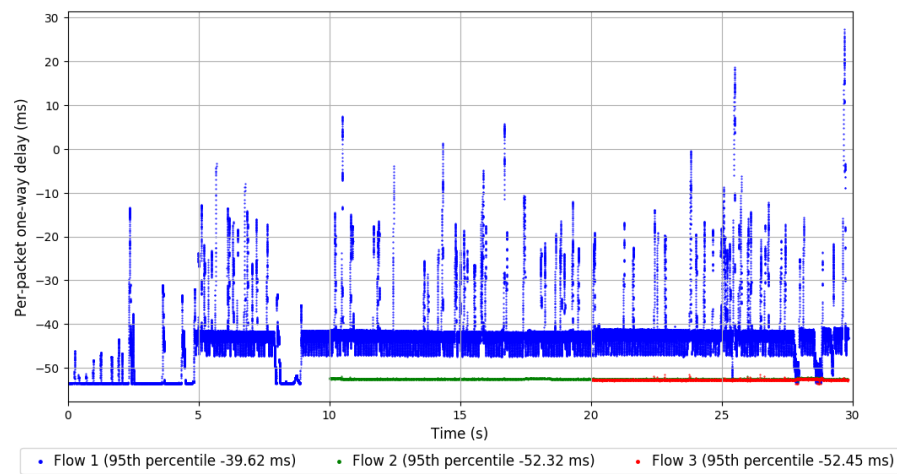
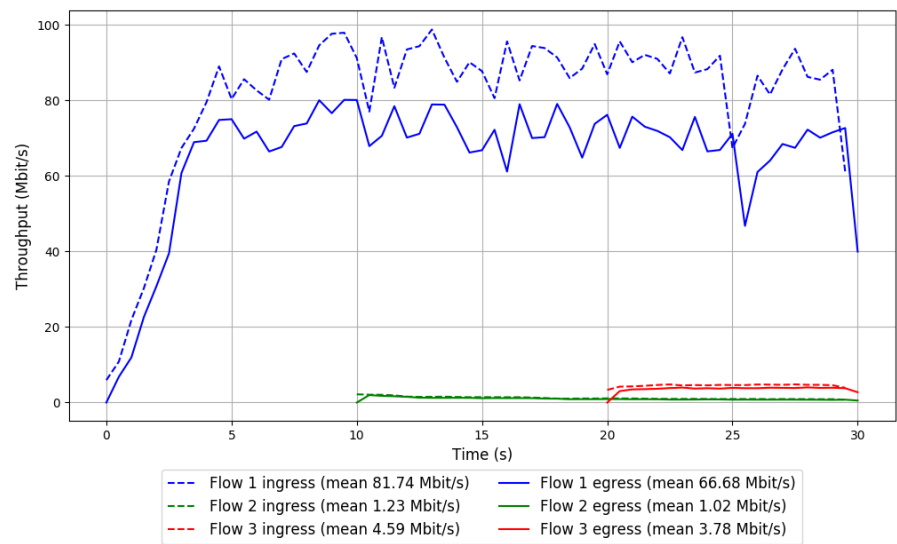


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-19 10:16:37
End at: 2018-06-19 10:17:07
Local clock offset: -1.216 ms
Remote clock offset: 52.513 ms

Below is generated by plot.py at 2018-06-19 12:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: -40.510 ms
Loss rate: 18.47%
-- Flow 1:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: -39.617 ms
Loss rate: 18.50%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: -52.324 ms
Loss rate: 17.52%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: -52.447 ms
Loss rate: 17.84%

Run 5: Report of PCC-Allegro — Data Link

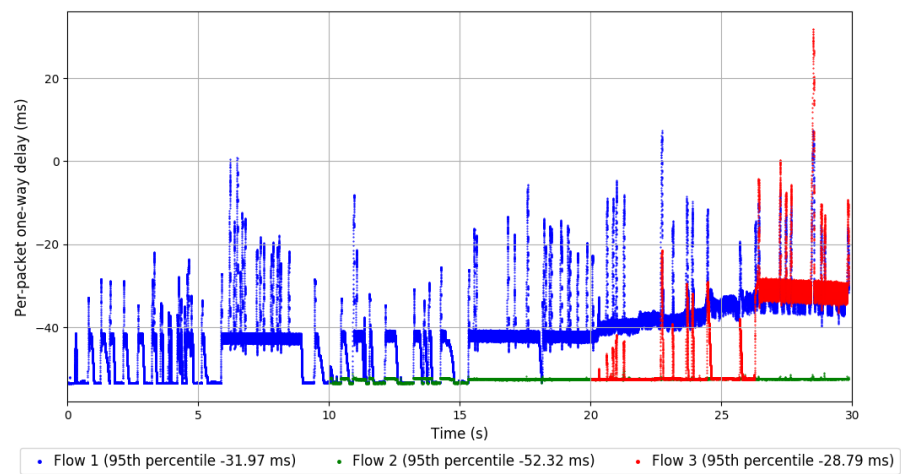
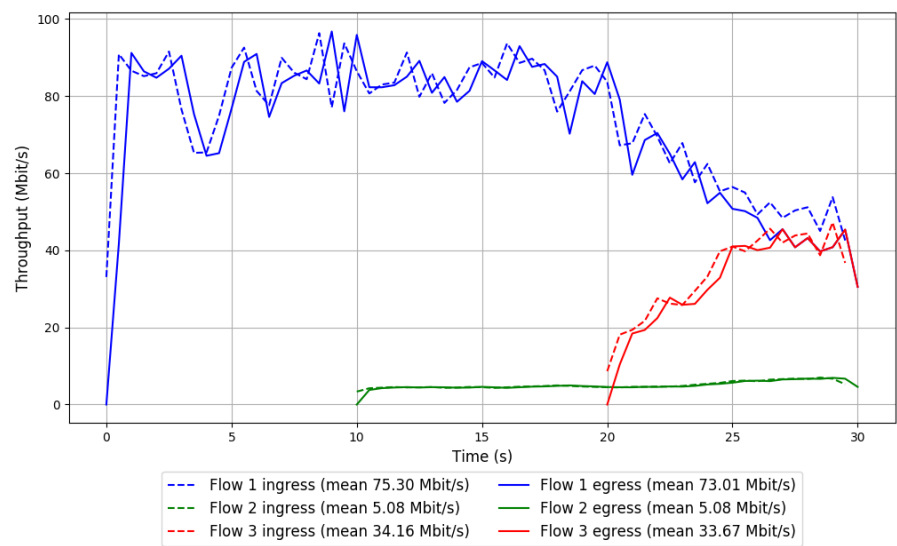


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-19 10:34:30
End at: 2018-06-19 10:35:00
Local clock offset: -0.795 ms
Remote clock offset: 49.473 ms

Below is generated by plot.py at 2018-06-19 12:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: -30.149 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 73.01 Mbit/s
95th percentile per-packet one-way delay: -31.970 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: -52.321 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: -28.786 ms
Loss rate: 1.47%

Run 6: Report of PCC-Allegro — Data Link

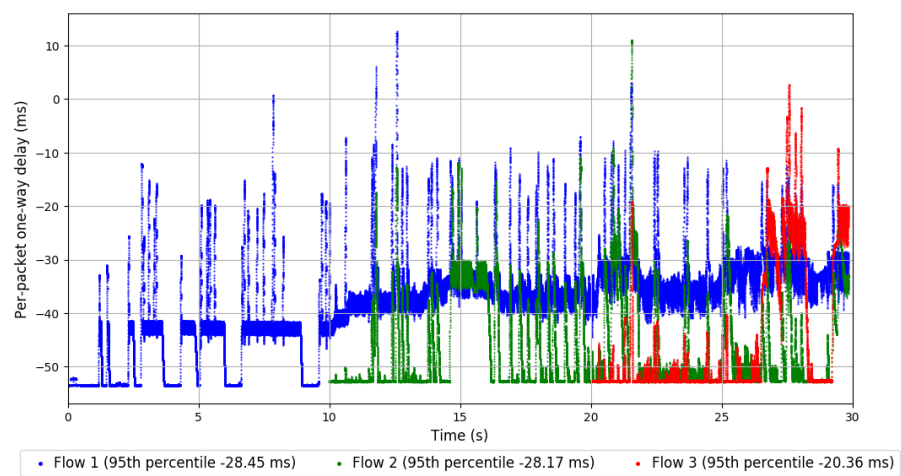
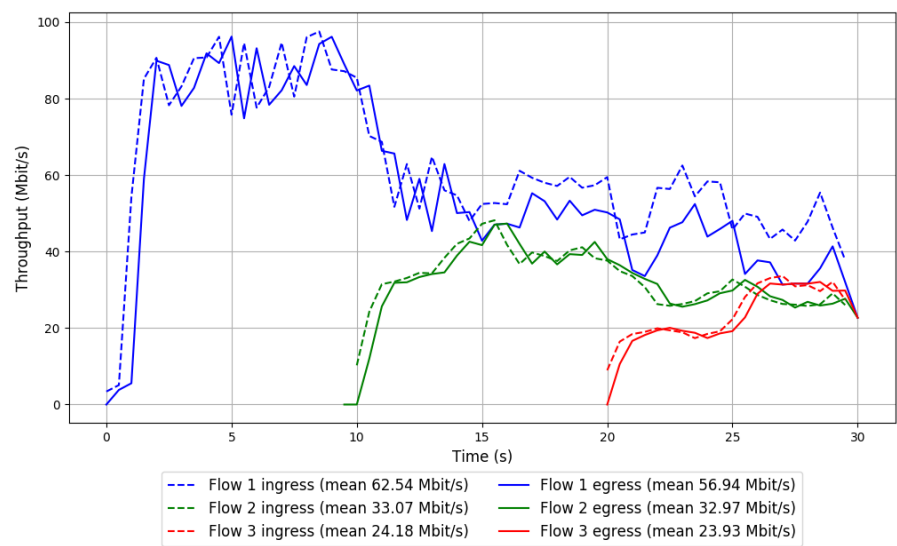


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-19 10:52:16
End at: 2018-06-19 10:52:46
Local clock offset: -7.348 ms
Remote clock offset: 45.284 ms

Below is generated by plot.py at 2018-06-19 12:14:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: -25.787 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: -28.454 ms
Loss rate: 9.00%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: -28.172 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: -20.361 ms
Loss rate: 1.19%

Run 7: Report of PCC-Allegro — Data Link

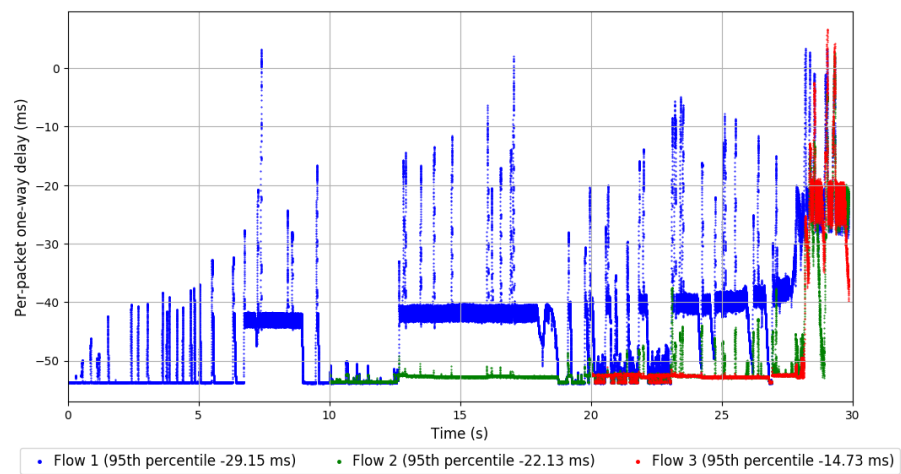
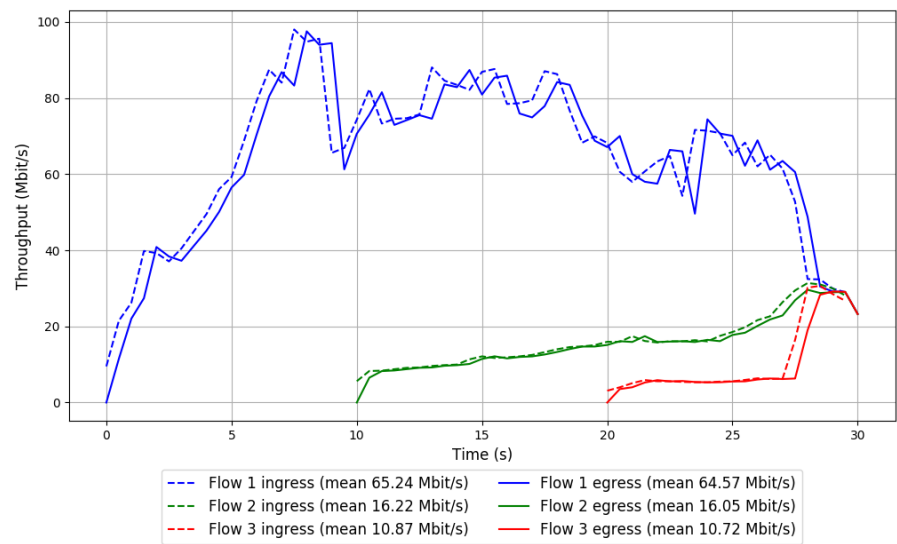


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-19 11:10:09
End at: 2018-06-19 11:10:39
Local clock offset: -4.963 ms
Remote clock offset: 45.414 ms

Below is generated by plot.py at 2018-06-19 12:14:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: -23.659 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: -29.147 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: -22.126 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: -14.730 ms
Loss rate: 1.41%

Run 8: Report of PCC-Allegro — Data Link

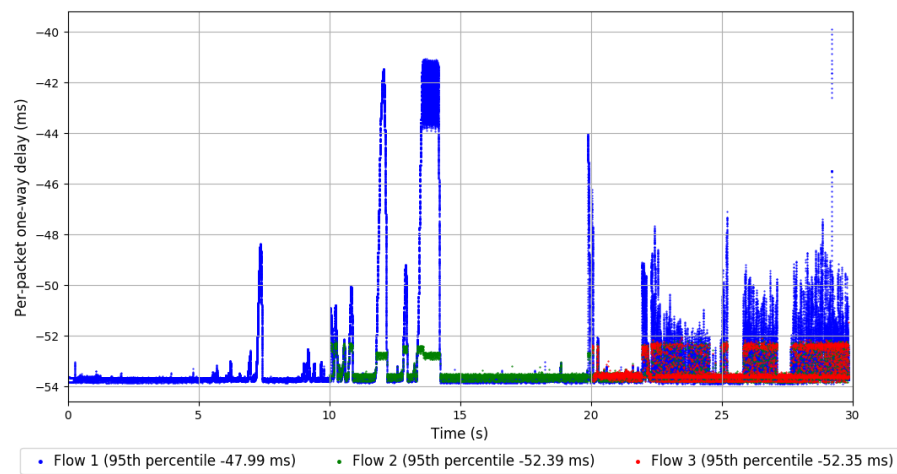
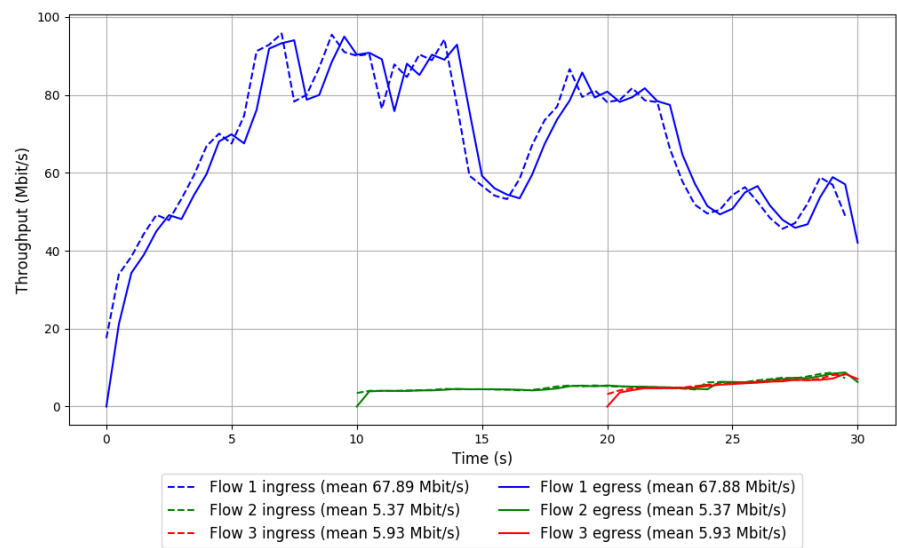


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-19 11:28:04
End at: 2018-06-19 11:28:34
Local clock offset: -1.579 ms
Remote clock offset: 45.701 ms

Below is generated by plot.py at 2018-06-19 12:14:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: -48.710 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: -47.988 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: -52.393 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: -52.351 ms
Loss rate: 0.04%

Run 9: Report of PCC-Allegro — Data Link

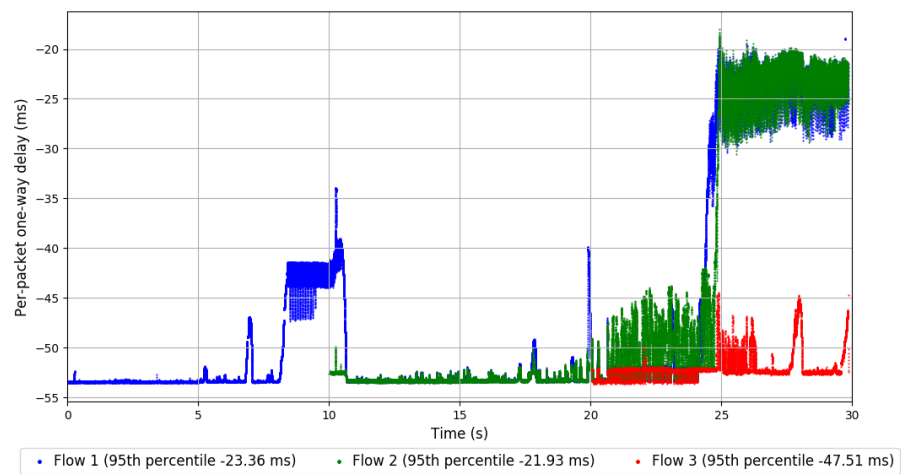
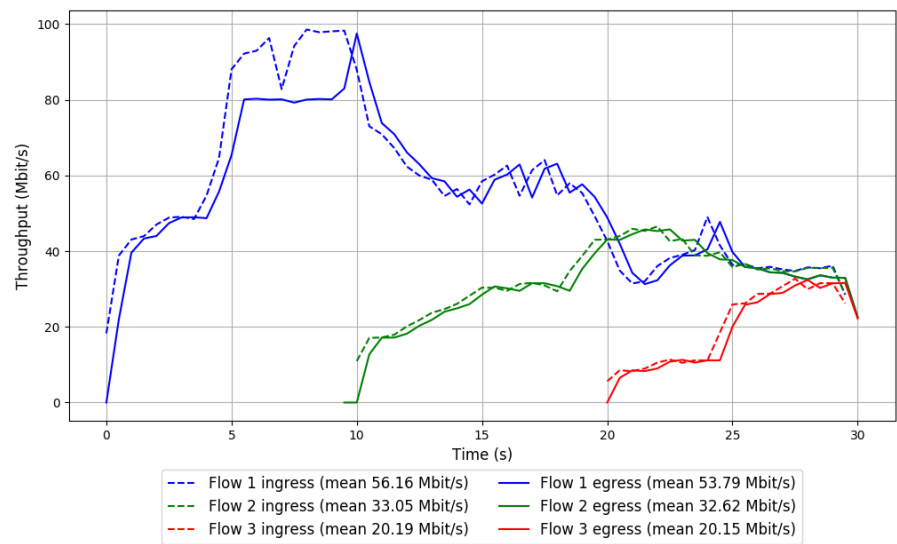


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-19 11:46:01
End at: 2018-06-19 11:46:31
Local clock offset: -1.799 ms
Remote clock offset: 50.694 ms

Below is generated by plot.py at 2018-06-19 12:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: -22.777 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: -23.356 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: -21.930 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: -47.505 ms
Loss rate: 0.18%

Run 10: Report of PCC-Allegro — Data Link

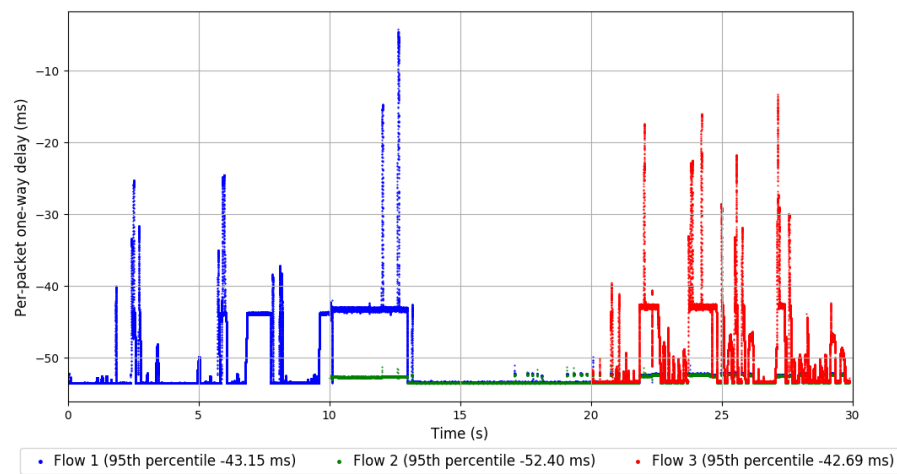
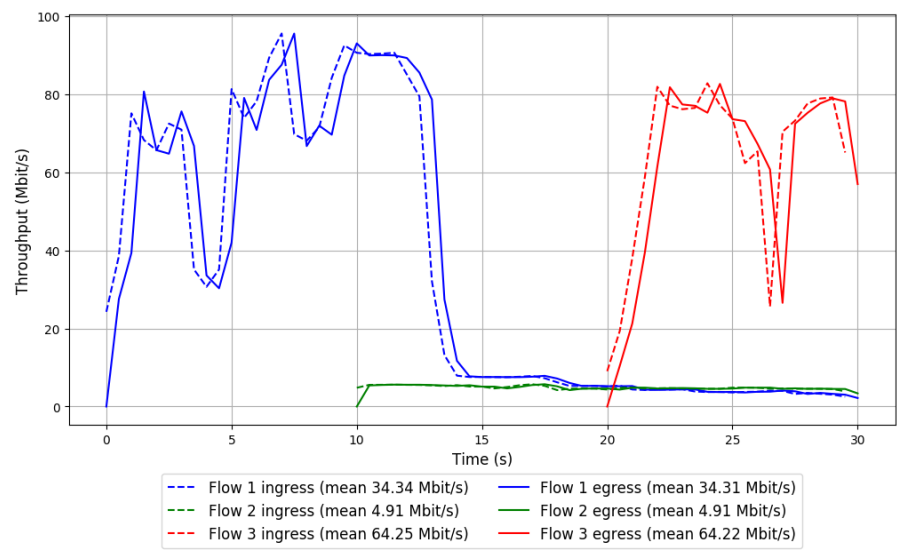


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-19 09:10:41
End at: 2018-06-19 09:11:11
Local clock offset: -5.527 ms
Remote clock offset: 52.753 ms

# Below is generated by plot.py at 2018-06-19 12:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: -42.796 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: -43.151 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: -52.395 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: -42.694 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Expr — Data Link

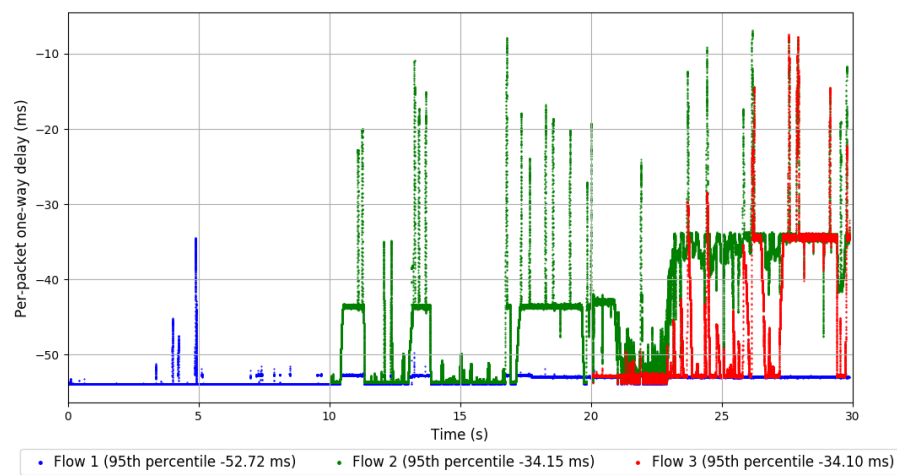
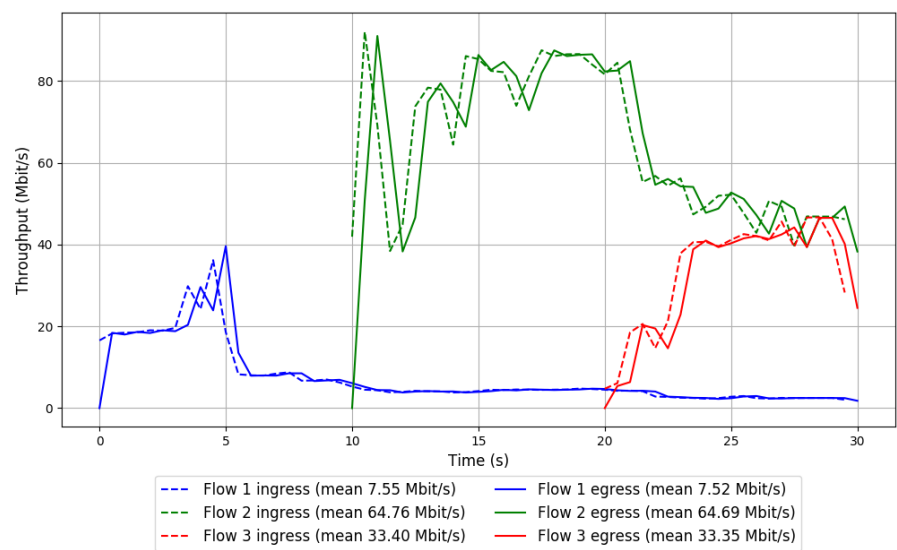


Run 2: Statistics of PCC-Expr

Start at: 2018-06-19 09:28:36
End at: 2018-06-19 09:29:06
Local clock offset: -8.555 ms
Remote clock offset: 50.696 ms

Below is generated by plot.py at 2018-06-19 12:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: -34.164 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: -52.718 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: -34.148 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: -34.099 ms
Loss rate: 0.30%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-19 09:46:29

End at: 2018-06-19 09:46:59

Local clock offset: -4.098 ms

Remote clock offset: 49.58 ms

Below is generated by plot.py at 2018-06-19 12:15:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.29 Mbit/s

95th percentile per-packet one-way delay: -33.330 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: -33.704 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 14.48 Mbit/s

95th percentile per-packet one-way delay: -33.028 ms

Loss rate: 0.05%

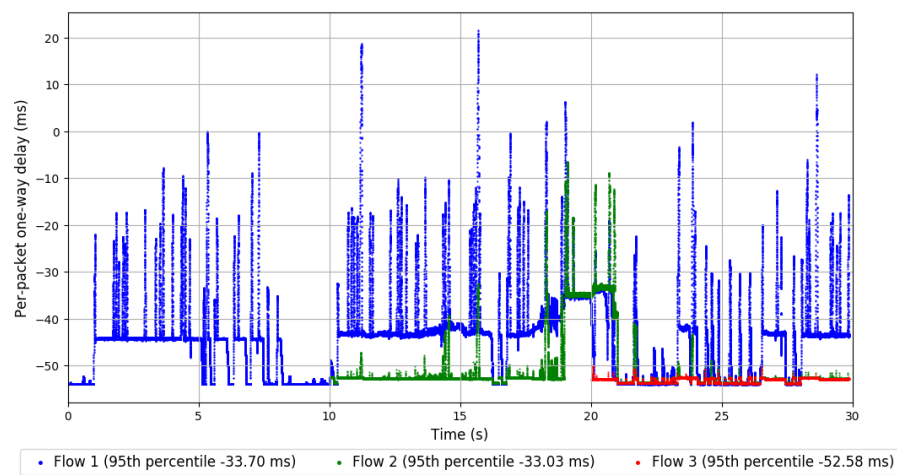
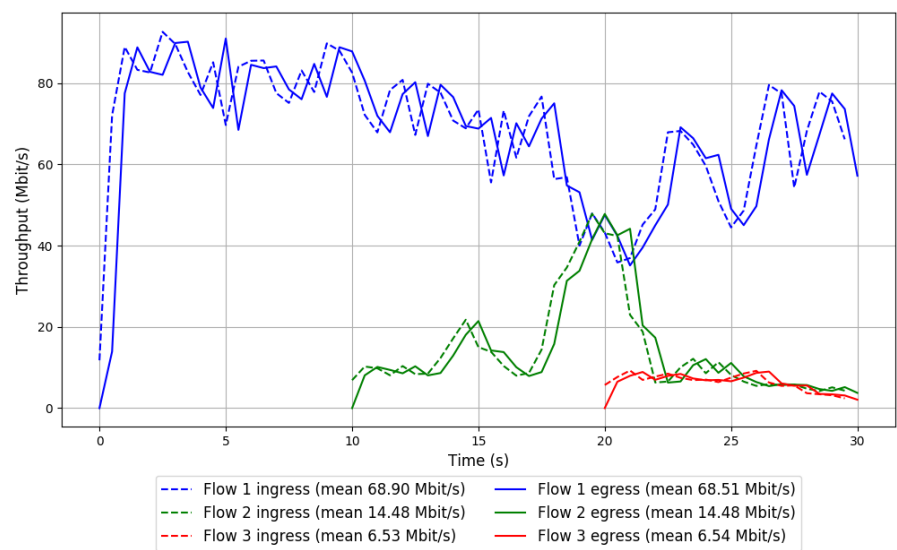
-- Flow 3:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: -52.582 ms

Loss rate: 0.02%

Run 3: Report of PCC-Expr — Data Link

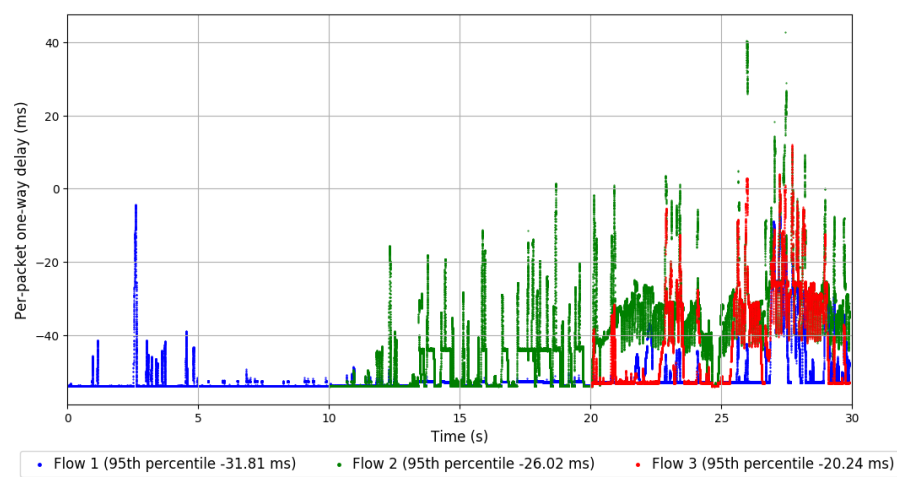
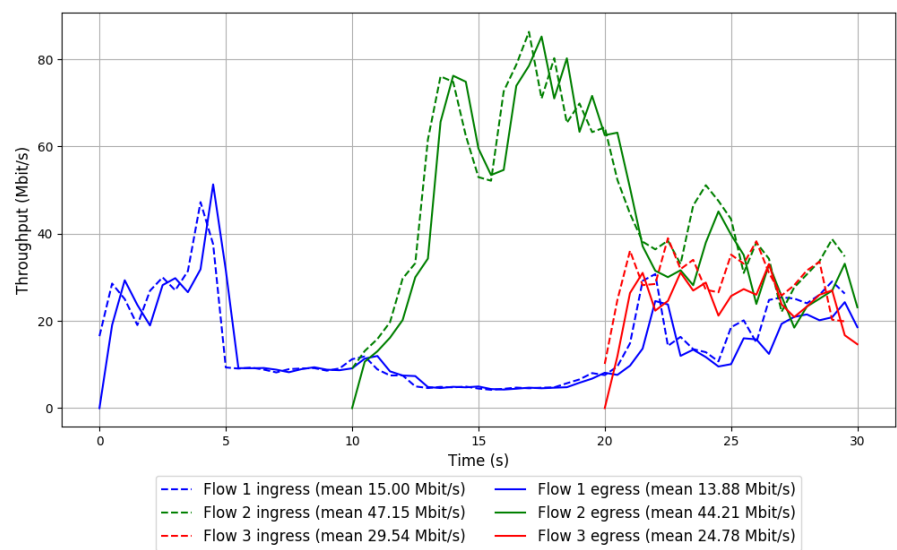


Run 4: Statistics of PCC-Expr

Start at: 2018-06-19 10:04:24
End at: 2018-06-19 10:04:54
Local clock offset: -2.515 ms
Remote clock offset: 51.813 ms

Below is generated by plot.py at 2018-06-19 12:15:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: -25.982 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: -31.809 ms
Loss rate: 7.50%
-- Flow 2:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: -26.018 ms
Loss rate: 6.25%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: -20.241 ms
Loss rate: 16.20%

Run 4: Report of PCC-Expr — Data Link

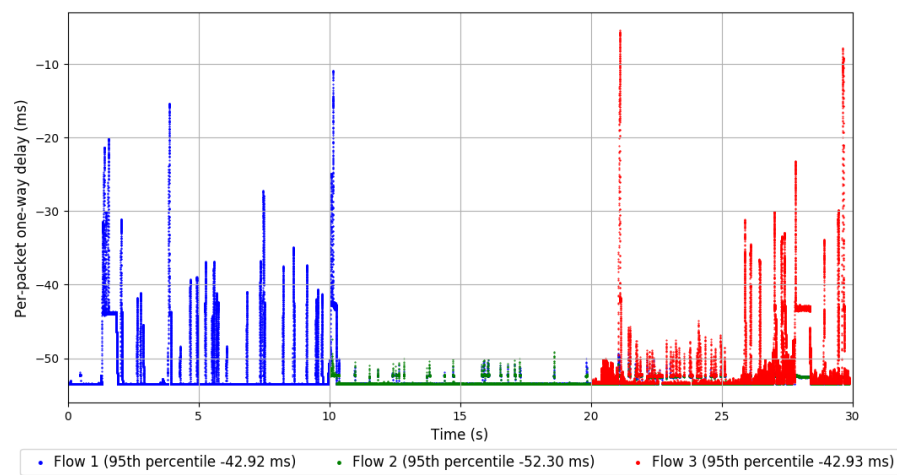
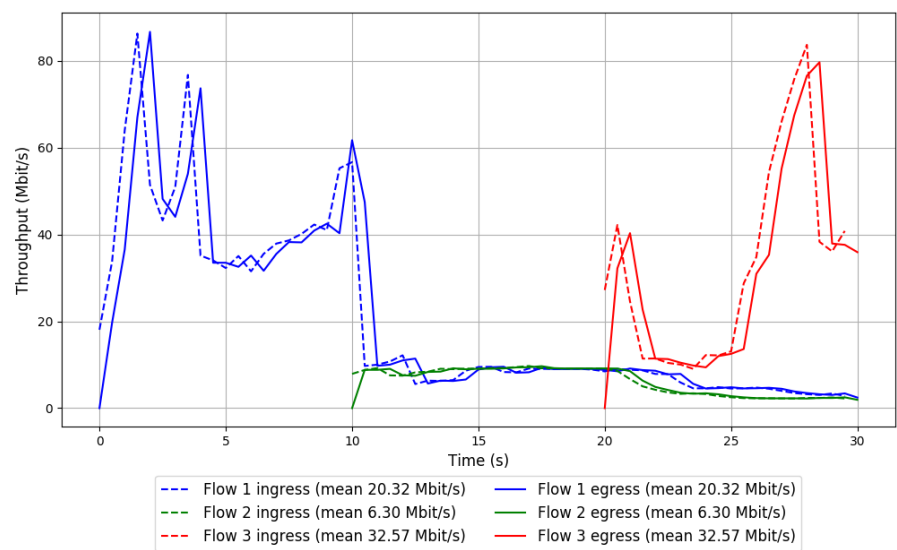


Run 5: Statistics of PCC-Expr

Start at: 2018-06-19 10:22:14
End at: 2018-06-19 10:22:44
Local clock offset: -0.88 ms
Remote clock offset: 52.686 ms

Below is generated by plot.py at 2018-06-19 12:15:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: -42.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: -42.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: -52.300 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: -42.930 ms
Loss rate: 0.02%

Run 5: Report of PCC-Expr — Data Link

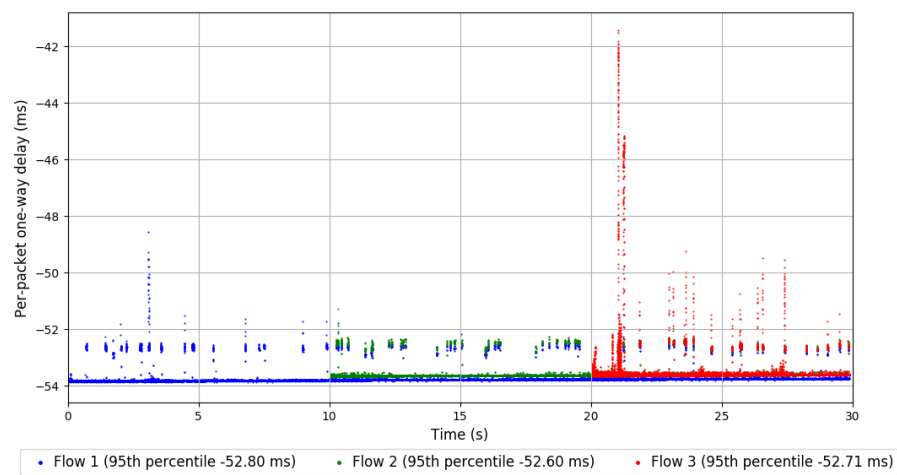
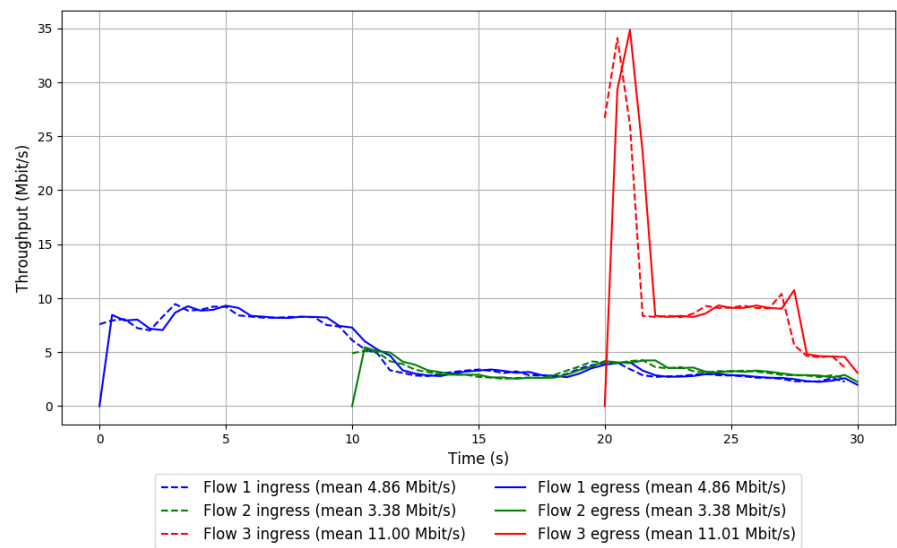


Run 6: Statistics of PCC-Expr

Start at: 2018-06-19 10:40:08
End at: 2018-06-19 10:40:38
Local clock offset: -4.254 ms
Remote clock offset: 47.736 ms

Below is generated by plot.py at 2018-06-19 12:15:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: -52.719 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: -52.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: -52.597 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: -52.710 ms
Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link

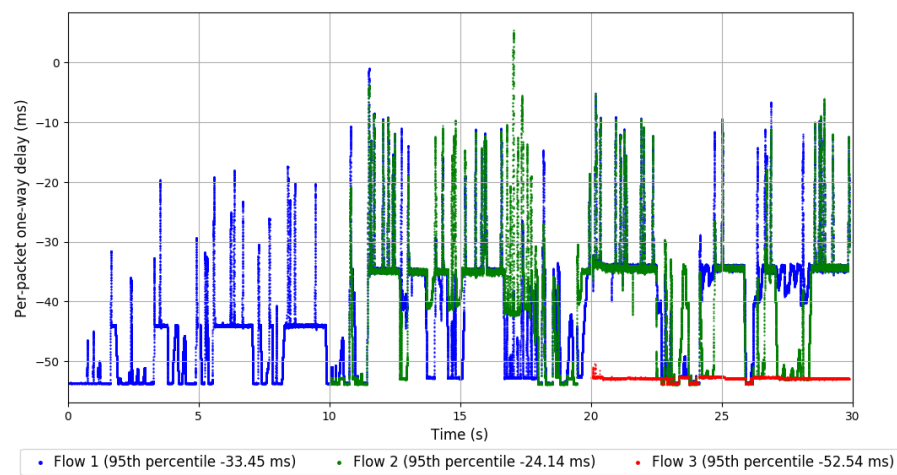
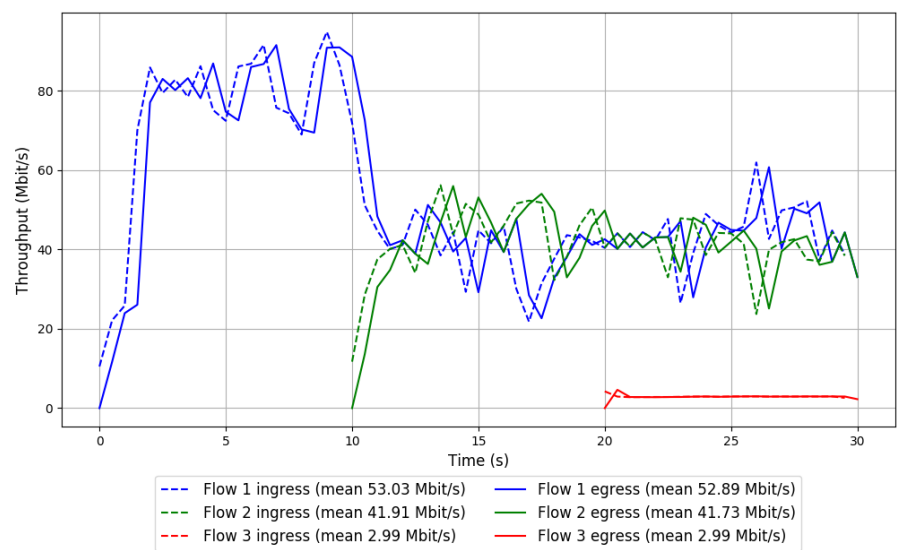


Run 7: Statistics of PCC-Expr

Start at: 2018-06-19 10:57:53
End at: 2018-06-19 10:58:24
Local clock offset: -7.956 ms
Remote clock offset: 44.884 ms

Below is generated by plot.py at 2018-06-19 12:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: -30.694 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: -33.453 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 41.73 Mbit/s
95th percentile per-packet one-way delay: -24.137 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: -52.541 ms
Loss rate: 0.04%

Run 7: Report of PCC-Expr — Data Link

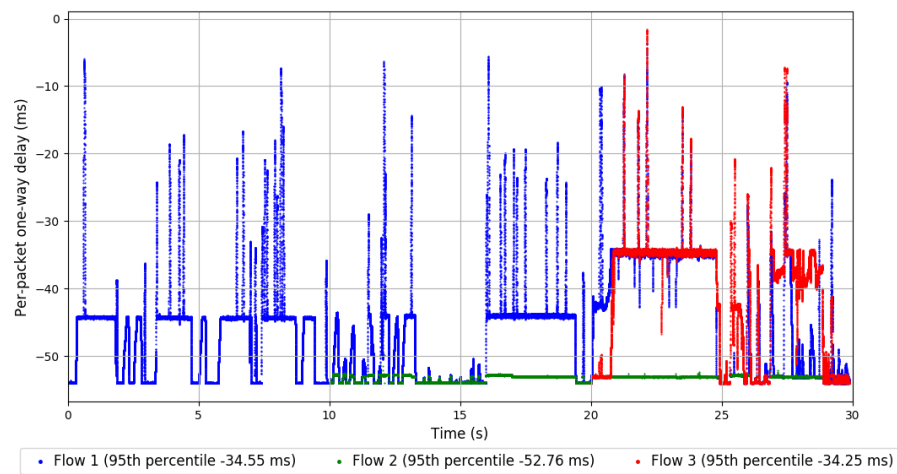
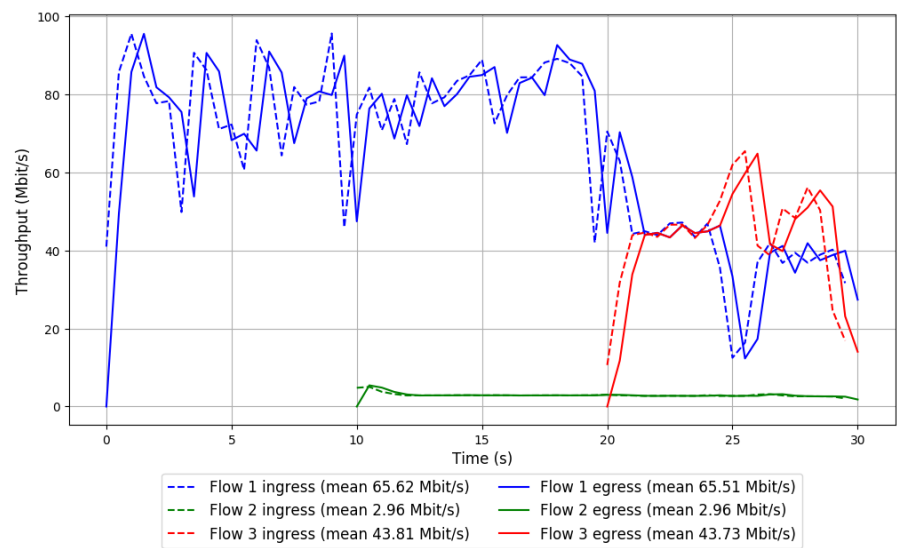


Run 8: Statistics of PCC-Expr

Start at: 2018-06-19 11:15:47
End at: 2018-06-19 11:16:17
Local clock offset: -3.31 ms
Remote clock offset: 46.011 ms

Below is generated by plot.py at 2018-06-19 12:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: -34.419 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: -34.548 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: -52.760 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: -34.253 ms
Loss rate: 0.20%

Run 8: Report of PCC-Expr — Data Link

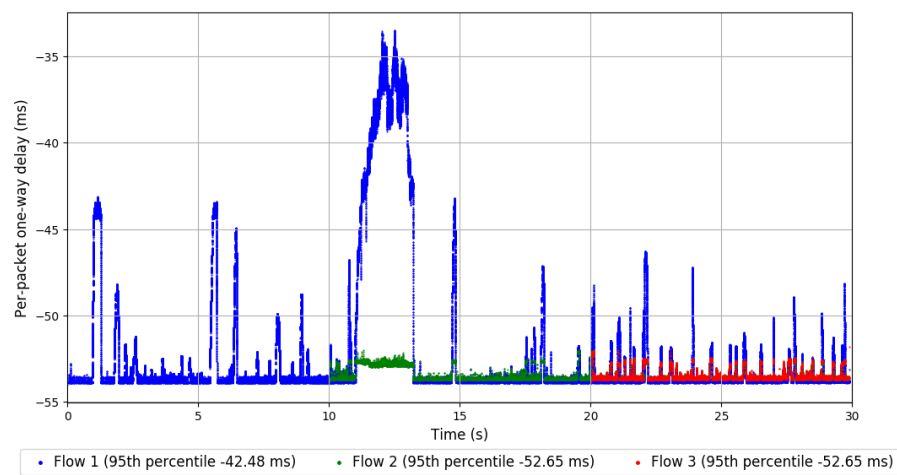
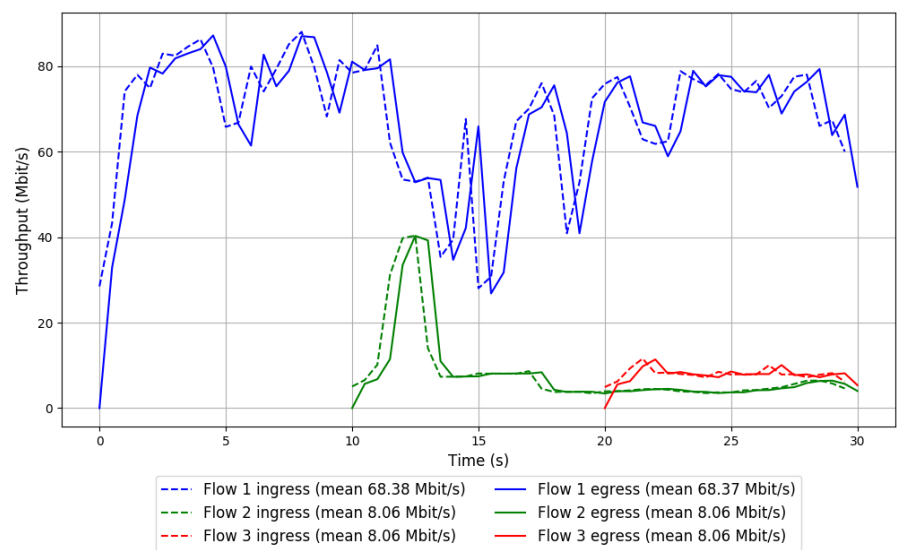


Run 9: Statistics of PCC-Expr

Start at: 2018-06-19 11:33:42
End at: 2018-06-19 11:34:12
Local clock offset: -1.255 ms
Remote clock offset: 45.562 ms

Below is generated by plot.py at 2018-06-19 12:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: -42.964 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: -42.481 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: -52.648 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: -52.649 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

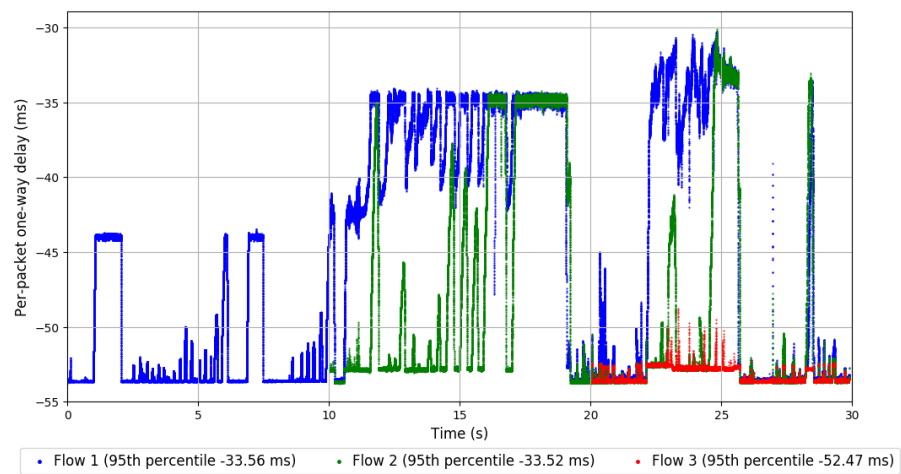
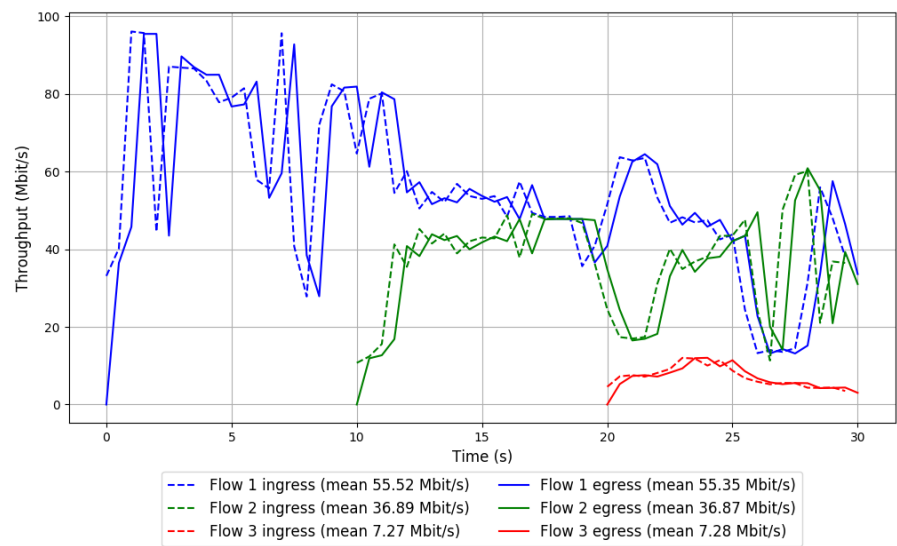


Run 10: Statistics of PCC-Expr

Start at: 2018-06-19 11:51:39
End at: 2018-06-19 11:52:09
Local clock offset: -1.824 ms
Remote clock offset: 52.193 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: -33.621 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: -33.559 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: -33.515 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: -52.469 ms
Loss rate: 0.02%

Run 10: Report of PCC-Expr — Data Link

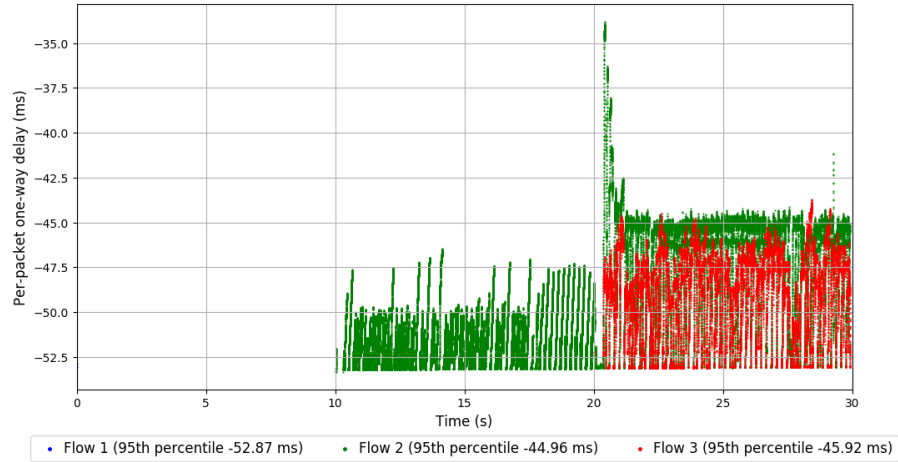
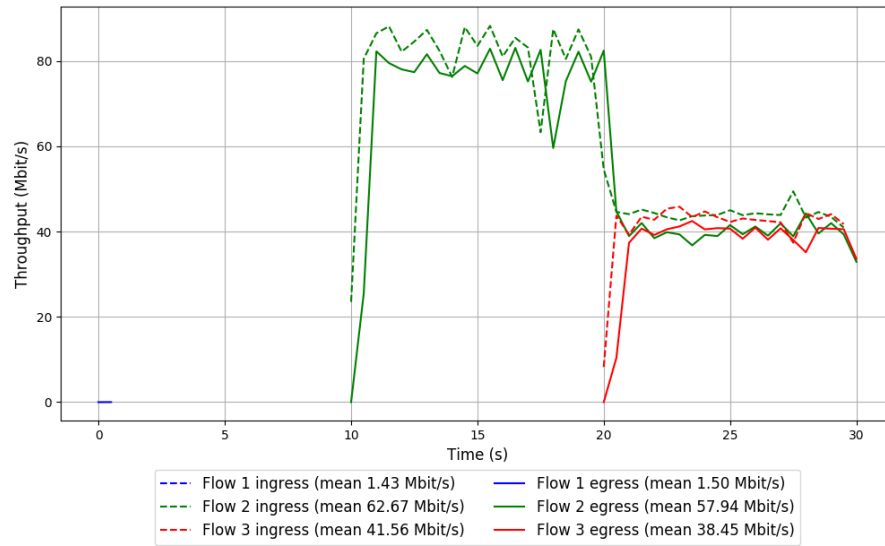


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-19 09:06:09
End at: 2018-06-19 09:06:39
Local clock offset: -3.799 ms
Remote clock offset: 52.288 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: -45.060 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -52.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: -44.962 ms
Loss rate: 7.51%
-- Flow 3:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: -45.919 ms
Loss rate: 7.60%

Run 1: Report of QUIC Cubic — Data Link

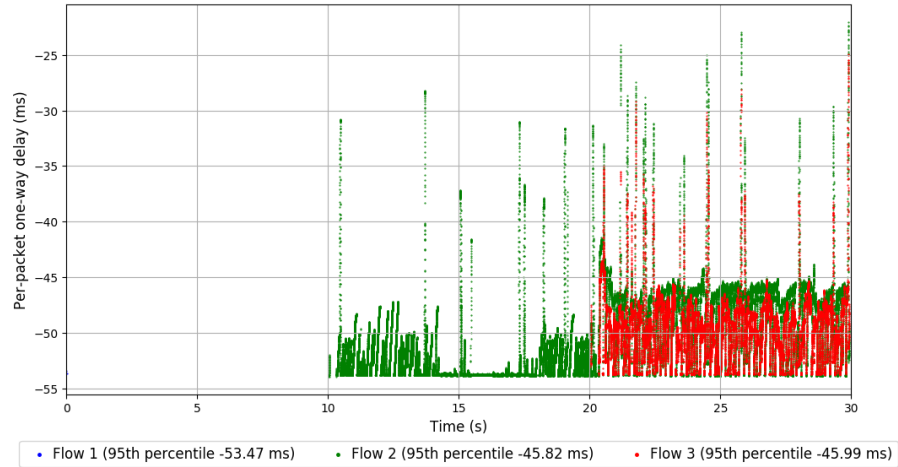
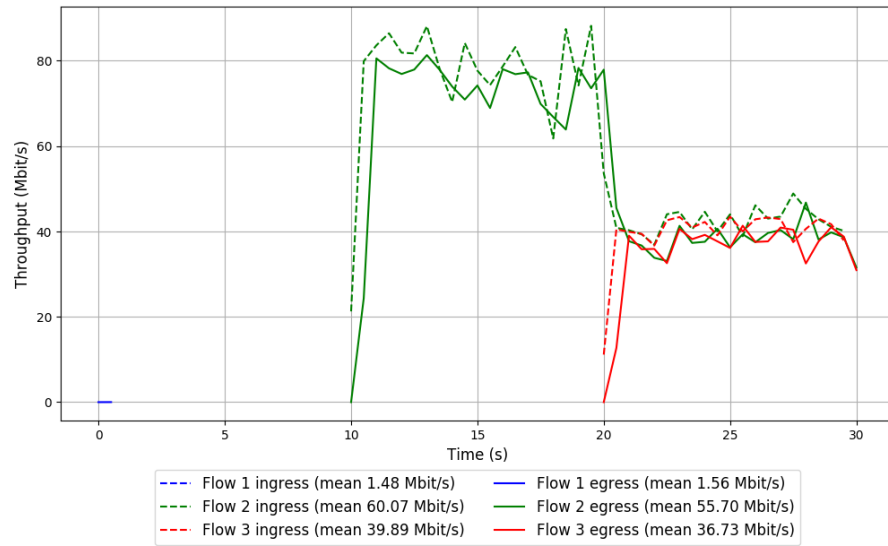


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-19 09:24:05
End at: 2018-06-19 09:24:35
Local clock offset: -8.005 ms
Remote clock offset: 51.537 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: -45.839 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: -53.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: -45.820 ms
Loss rate: 7.28%
-- Flow 3:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: -45.988 ms
Loss rate: 7.94%

Run 2: Report of QUIC Cubic — Data Link

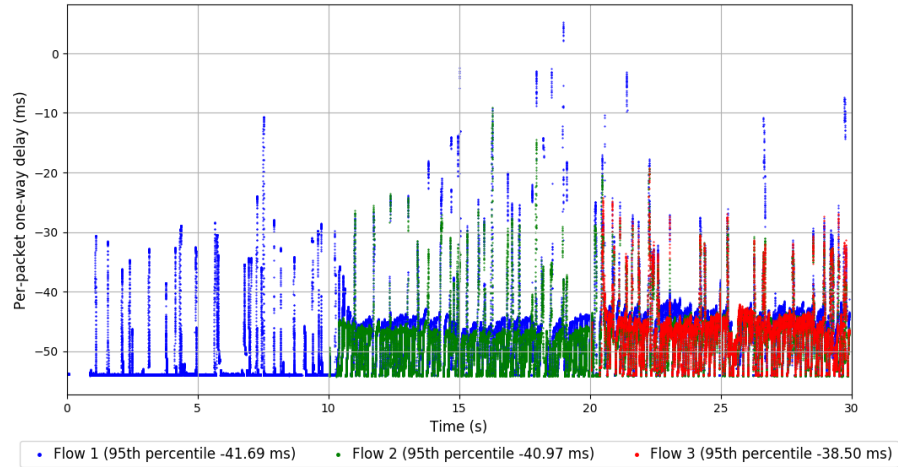
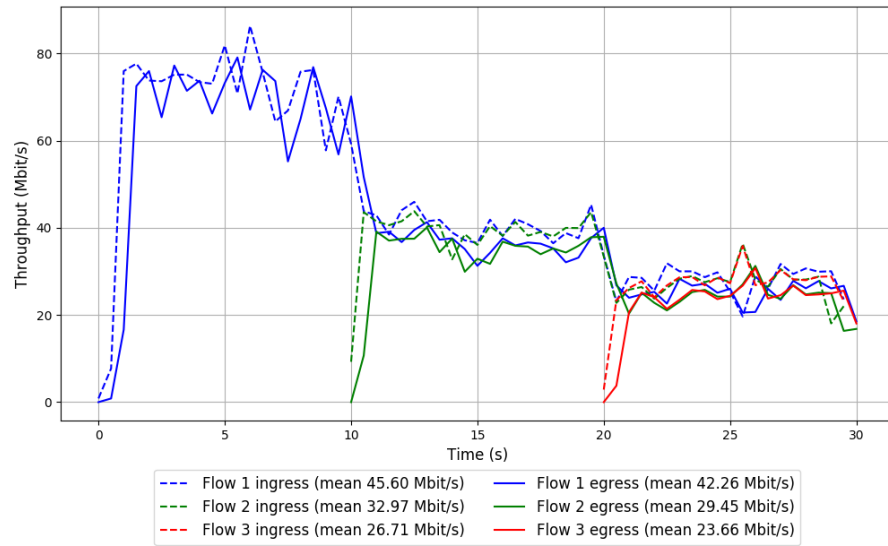


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-19 09:41:58
End at: 2018-06-19 09:42:28
Local clock offset: -5.222 ms
Remote clock offset: 49.773 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: -40.989 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: -41.685 ms
Loss rate: 7.31%
-- Flow 2:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: -40.969 ms
Loss rate: 10.71%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: -38.503 ms
Loss rate: 11.43%

Run 3: Report of QUIC Cubic — Data Link

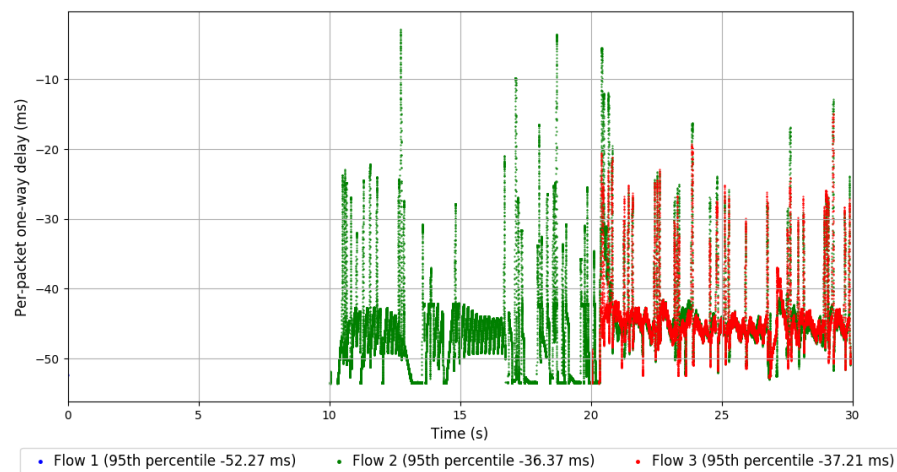
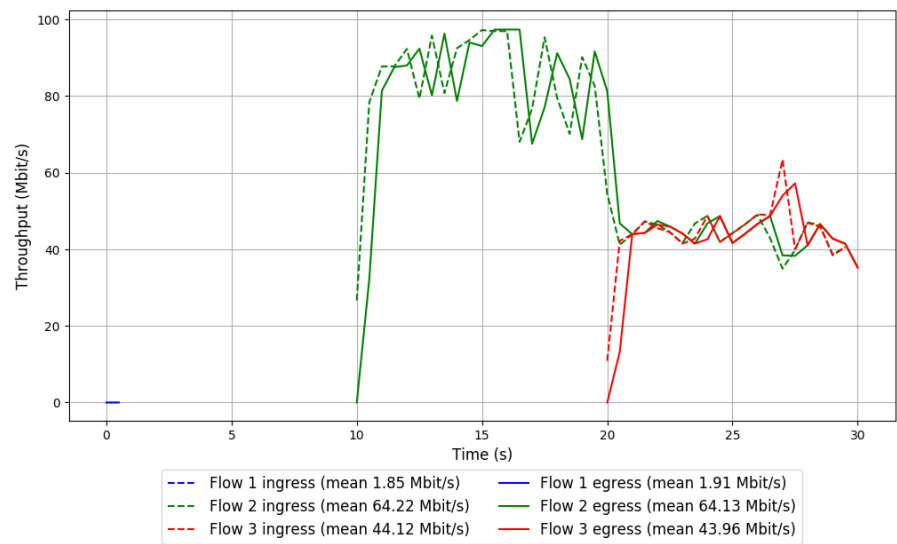


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-19 09:59:53
End at: 2018-06-19 10:00:23
Local clock offset: -2.802 ms
Remote clock offset: 50.869 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: -36.655 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: -52.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: -36.367 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: -37.214 ms
Loss rate: 0.37%

Run 4: Report of QUIC Cubic — Data Link

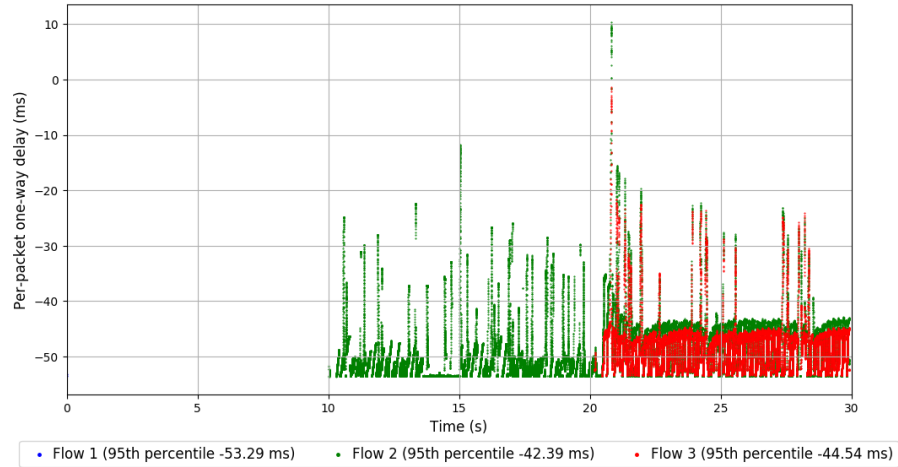
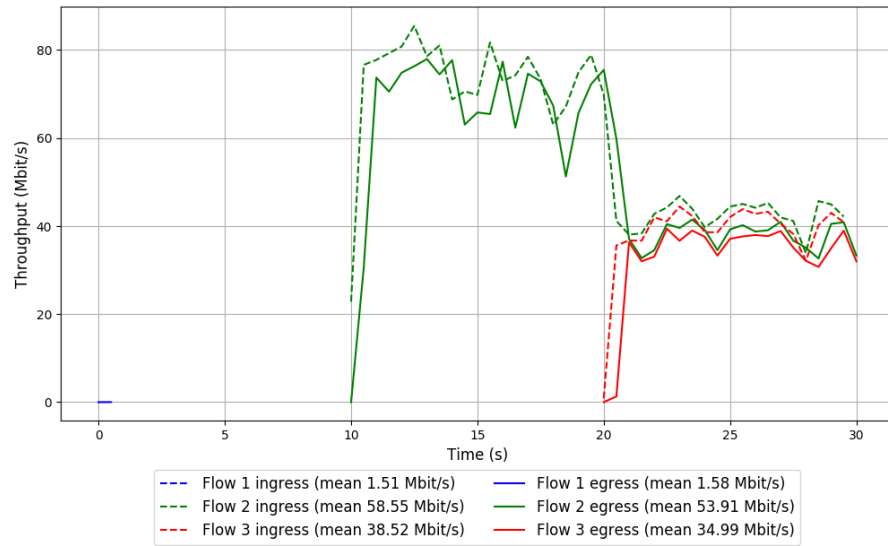


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-19 10:17:43
End at: 2018-06-19 10:18:13
Local clock offset: -1.129 ms
Remote clock offset: 52.563 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.28 Mbit/s
95th percentile per-packet one-way delay: -42.877 ms
Loss rate: 8.64%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: -53.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: -42.389 ms
Loss rate: 7.95%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: -44.543 ms
Loss rate: 10.74%

Run 5: Report of QUIC Cubic — Data Link

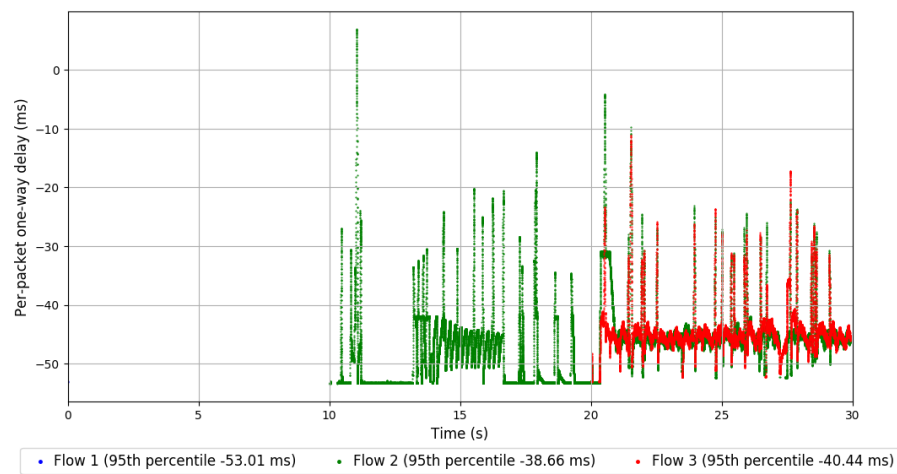
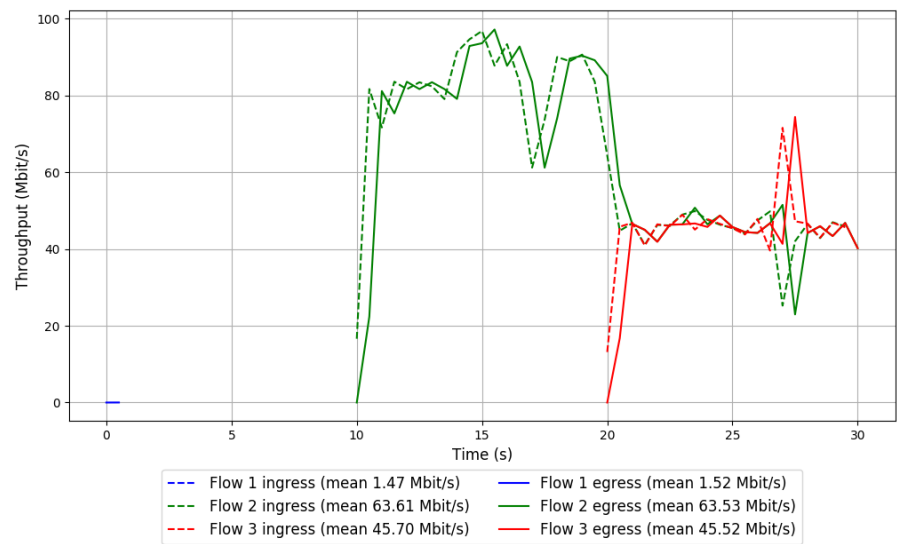


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-19 10:35:37
End at: 2018-06-19 10:36:07
Local clock offset: -1.72 ms
Remote clock offset: 48.709 ms

Below is generated by plot.py at 2018-06-19 12:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: -39.232 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: -53.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: -38.662 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: -40.444 ms
Loss rate: 0.40%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-19 10:53:22

End at: 2018-06-19 10:53:52

Local clock offset: -7.421 ms

Remote clock offset: 45.43 ms

Below is generated by plot.py at 2018-06-19 12:17:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.65 Mbit/s

95th percentile per-packet one-way delay: -37.948 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: -53.403 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: -37.852 ms

Loss rate: 0.16%

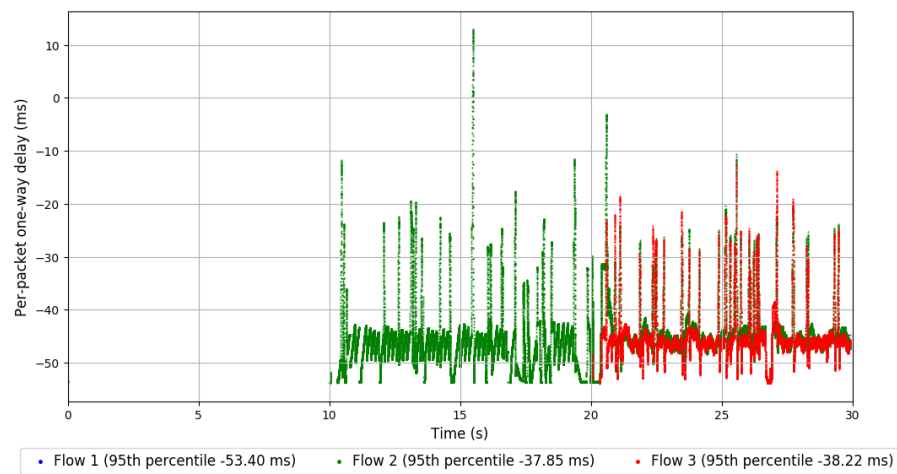
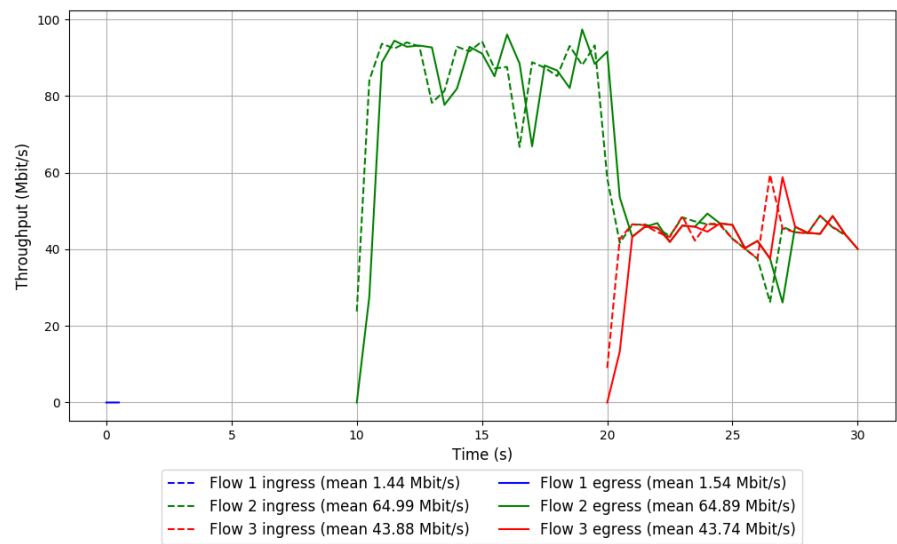
-- Flow 3:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: -38.216 ms

Loss rate: 0.35%

Run 7: Report of QUIC Cubic — Data Link

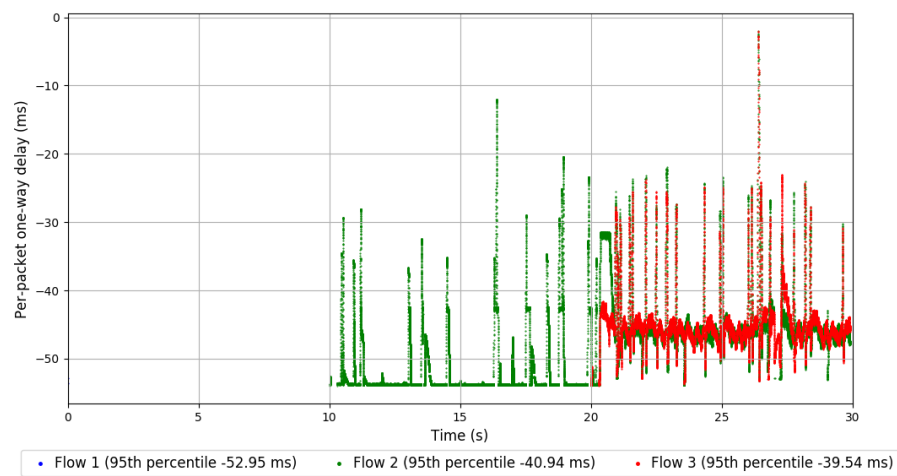
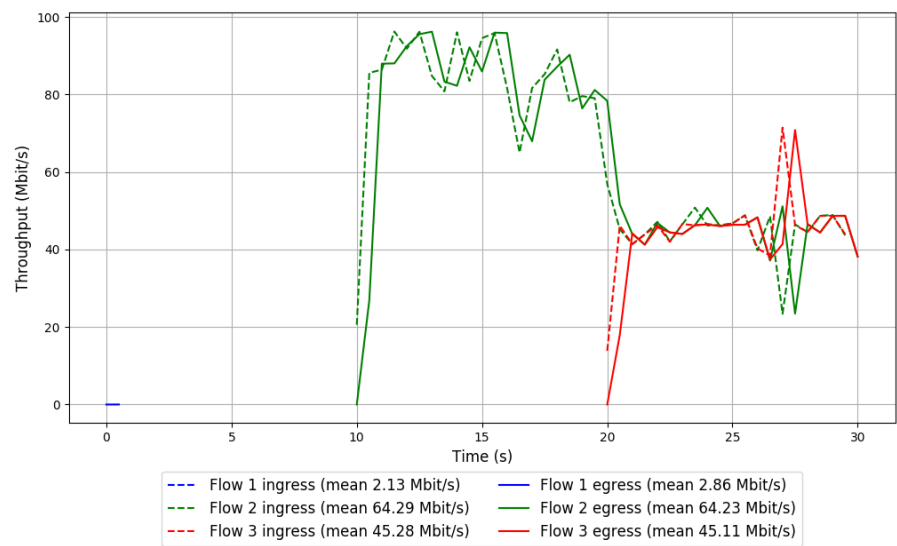


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-19 11:11:15
End at: 2018-06-19 11:11:45
Local clock offset: -4.61 ms
Remote clock offset: 45.498 ms

Below is generated by plot.py at 2018-06-19 12:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: -39.968 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: -52.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: -40.943 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: -39.544 ms
Loss rate: 0.39%

Run 8: Report of QUIC Cubic — Data Link

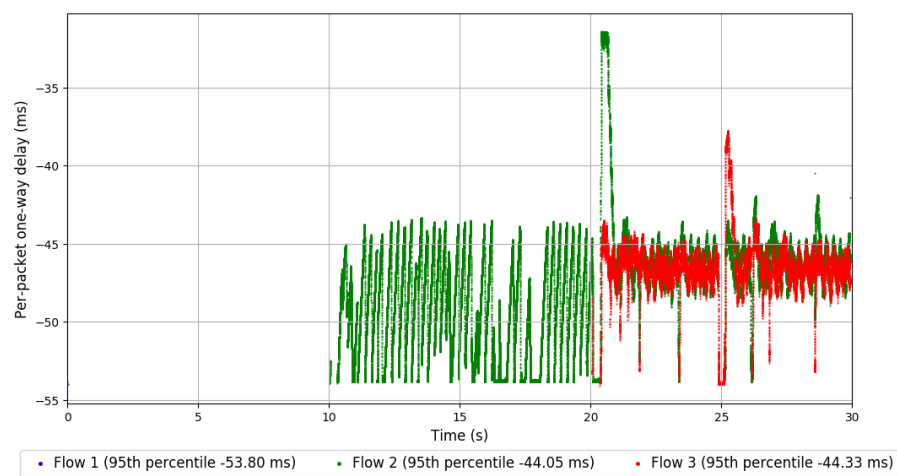
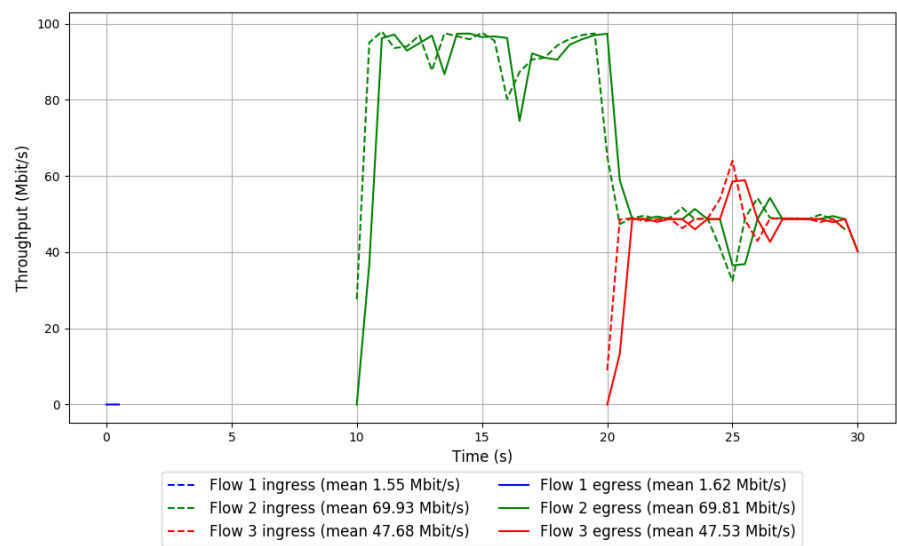


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-19 11:29:10
End at: 2018-06-19 11:29:40
Local clock offset: -1.497 ms
Remote clock offset: 45.761 ms

Below is generated by plot.py at 2018-06-19 12:17:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: -44.087 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: -53.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: -44.051 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: -44.325 ms
Loss rate: 0.34%

Run 9: Report of QUIC Cubic — Data Link

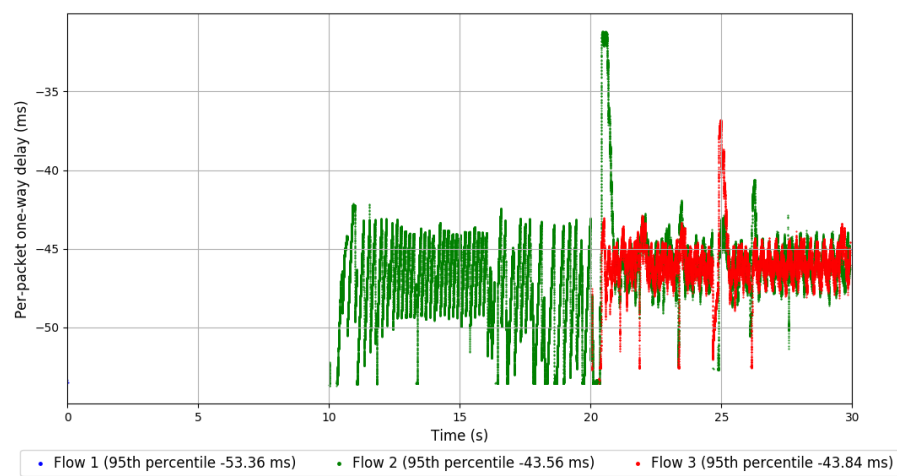
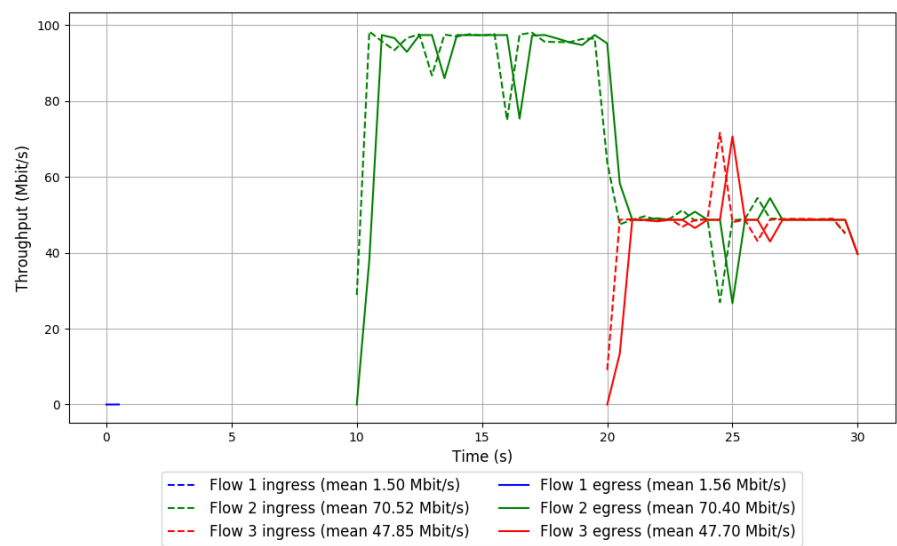


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-19 11:47:07
End at: 2018-06-19 11:47:37
Local clock offset: -1.821 ms
Remote clock offset: 51.061 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: -43.611 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: -53.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: -43.559 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: -43.845 ms
Loss rate: 0.36%

Run 10: Report of QUIC Cubic — Data Link

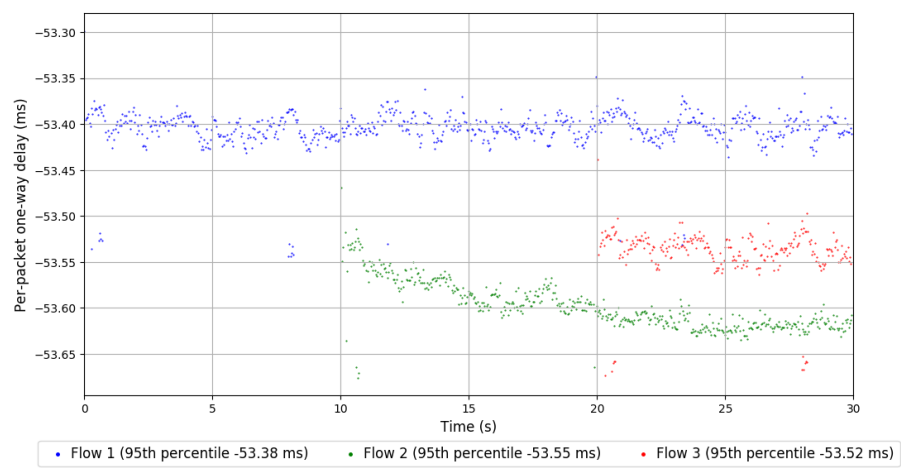
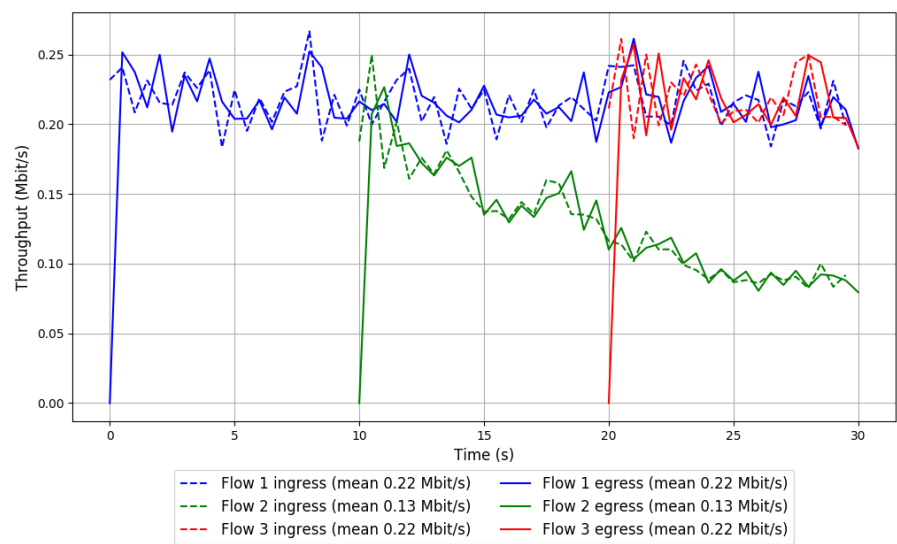


Run 1: Statistics of SReAM

Start at: 2018-06-19 09:02:49
End at: 2018-06-19 09:03:19
Local clock offset: -2.659 ms
Remote clock offset: 52.292 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: -53.387 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: -53.552 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.517 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

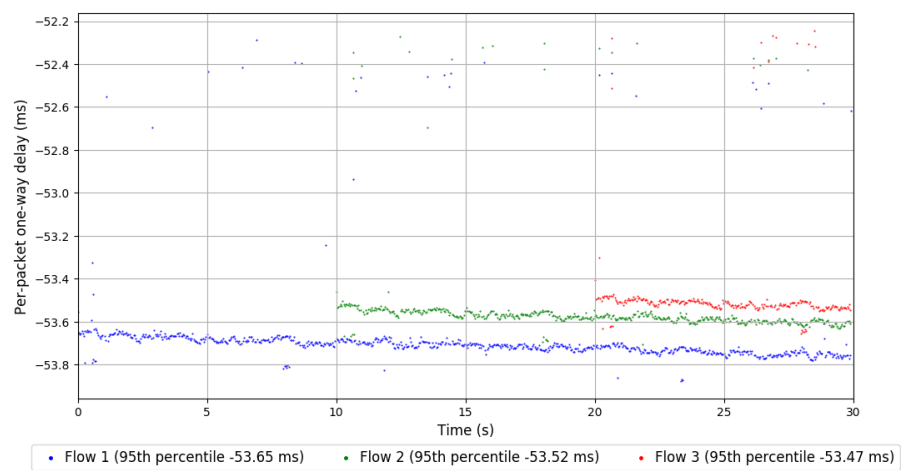
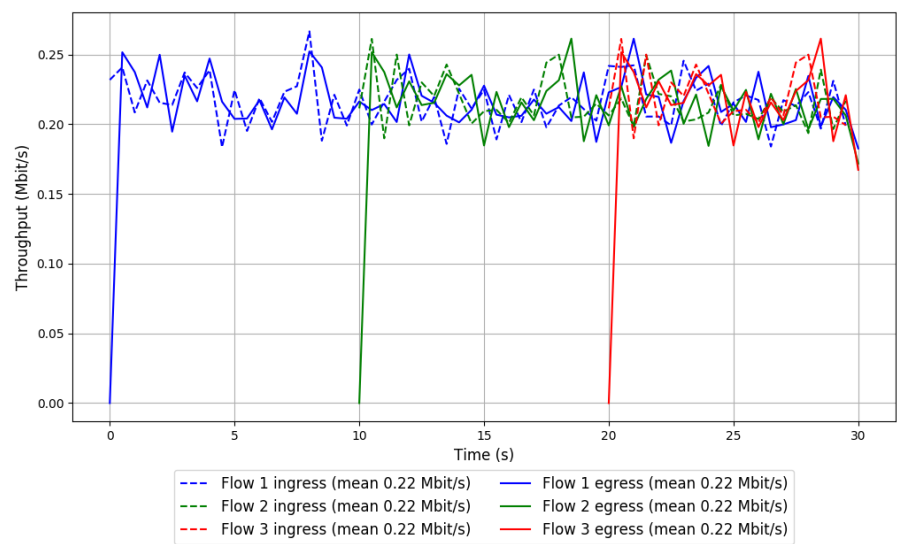


Run 2: Statistics of SReAM

Start at: 2018-06-19 09:20:47
End at: 2018-06-19 09:21:17
Local clock offset: -7.651 ms
Remote clock offset: 52.263 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -53.492 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.521 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.472 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

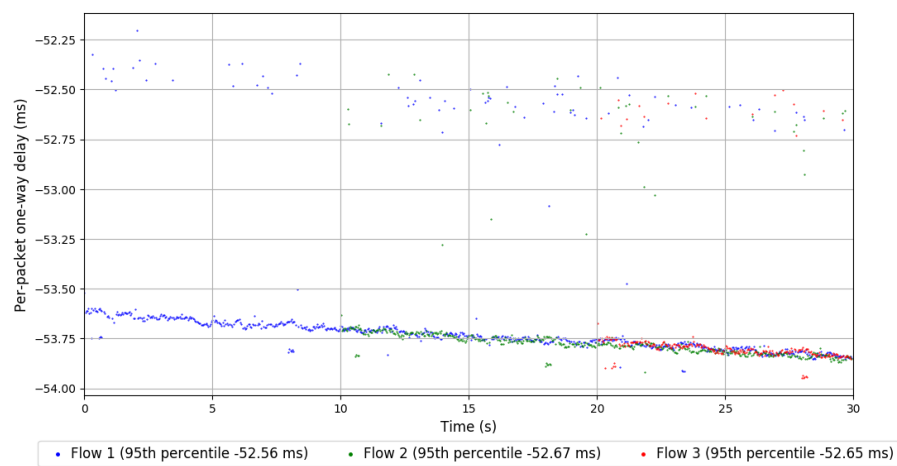
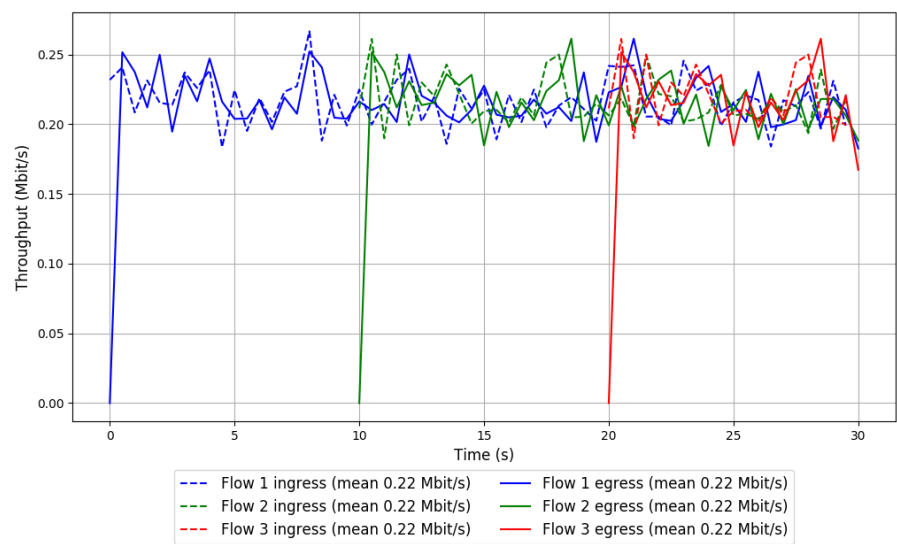


Run 3: Statistics of SReAM

Start at: 2018-06-19 09:38:41
End at: 2018-06-19 09:39:11
Local clock offset: -6.247 ms
Remote clock offset: 49.658 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.651 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

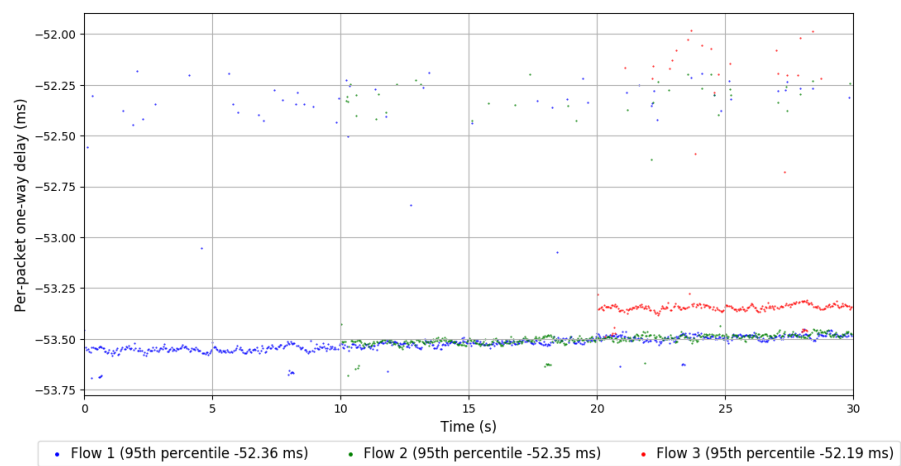
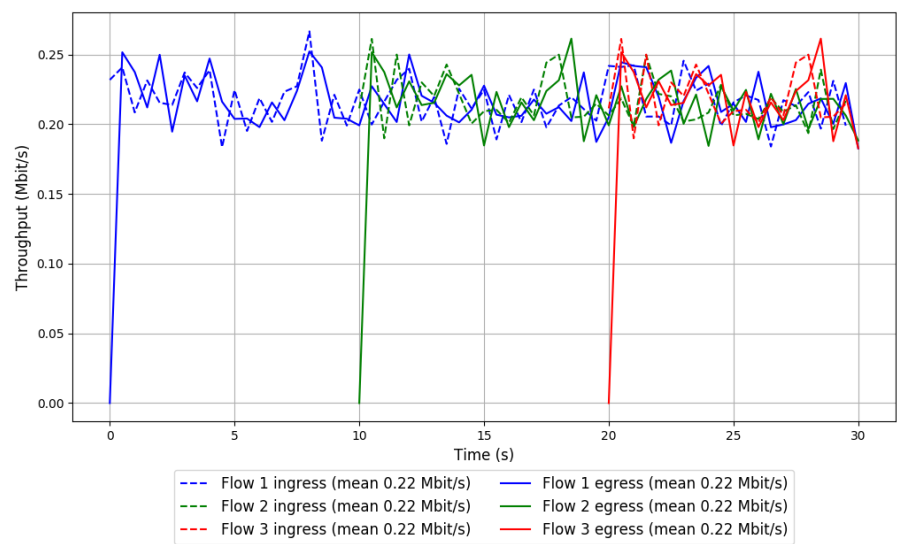


Run 4: Statistics of SReAM

Start at: 2018-06-19 09:56:36
End at: 2018-06-19 09:57:06
Local clock offset: -2.985 ms
Remote clock offset: 50.157 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -52.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.193 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

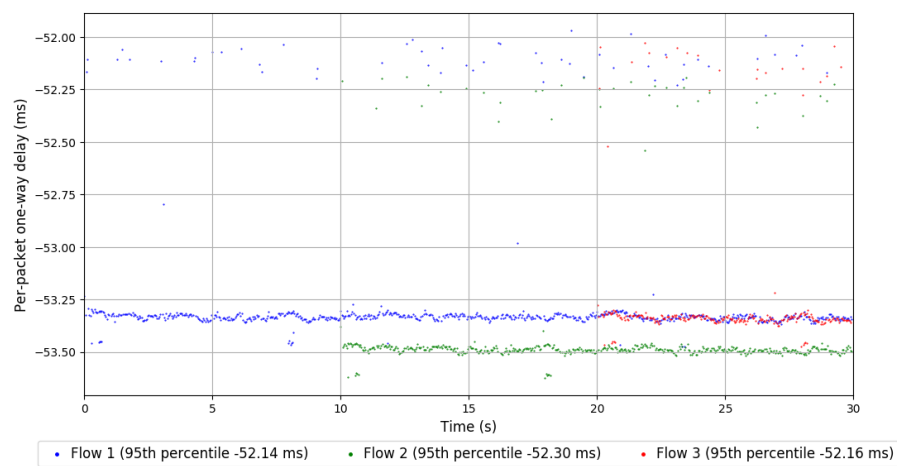
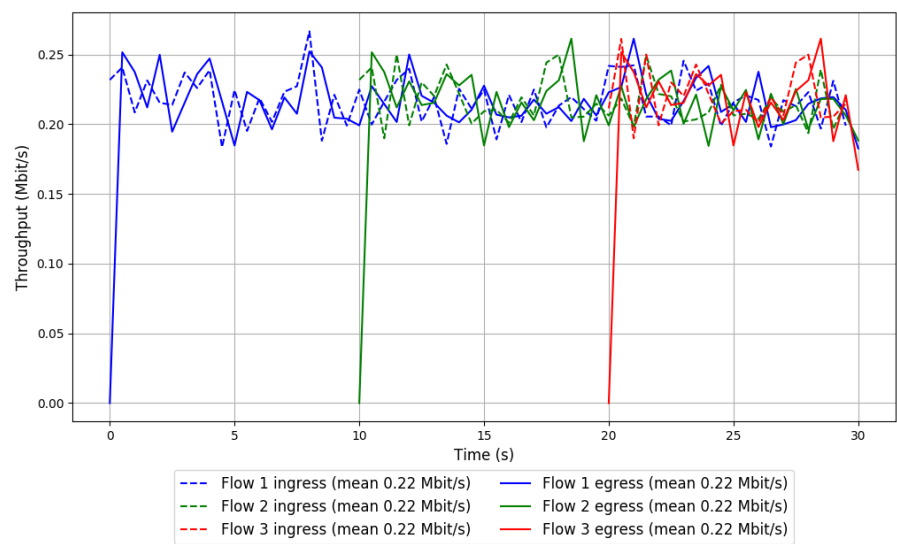


Run 5: Statistics of SReAM

Start at: 2018-06-19 10:14:28
End at: 2018-06-19 10:14:58
Local clock offset: -1.355 ms
Remote clock offset: 52.304 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -52.228 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.159 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

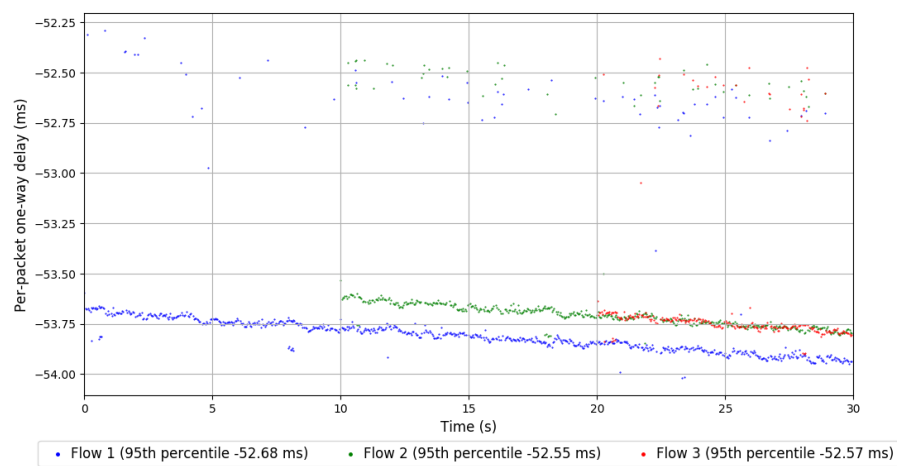
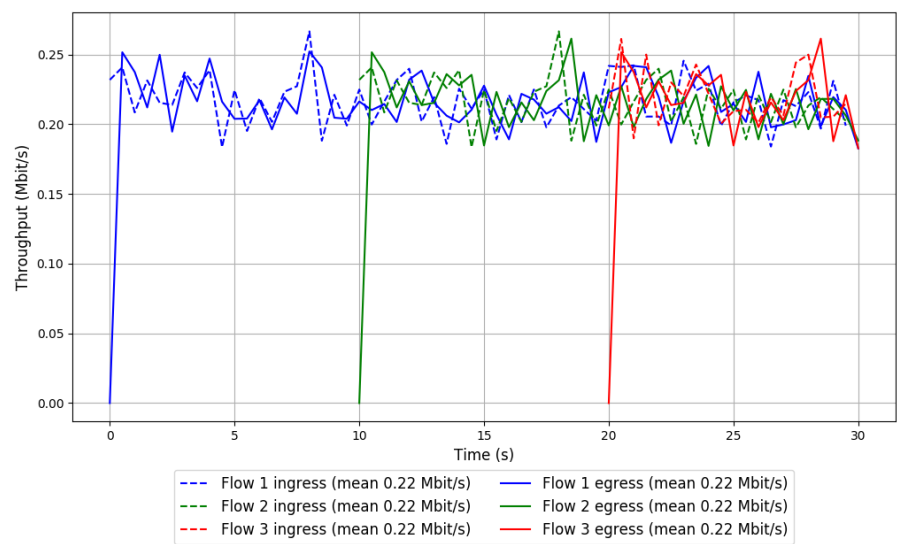


Run 6: Statistics of SReAM

Start at: 2018-06-19 10:32:18
End at: 2018-06-19 10:32:48
Local clock offset: -0.401 ms
Remote clock offset: 50.141 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -52.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.574 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

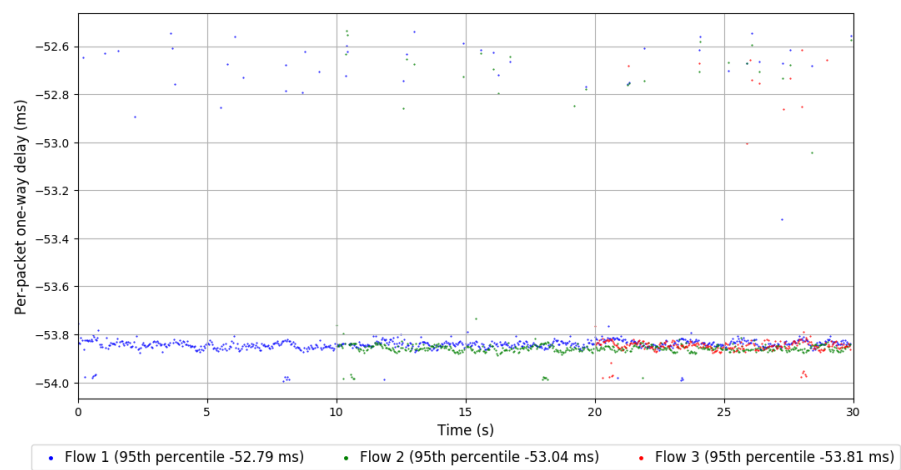
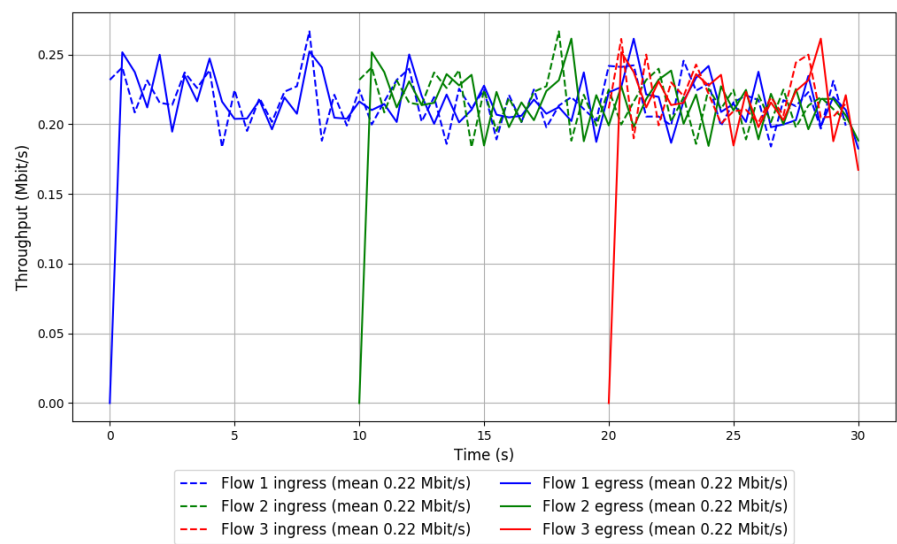


Run 7: Statistics of SReAM

Start at: 2018-06-19 10:50:04
End at: 2018-06-19 10:50:34
Local clock offset: -6.96 ms
Remote clock offset: 45.929 ms

```
# Below is generated by plot.py at 2018-06-19 12:17:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -53.042 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.808 ms
Loss rate: 0.35%
```


Run 7: Report of SReAM — Data Link

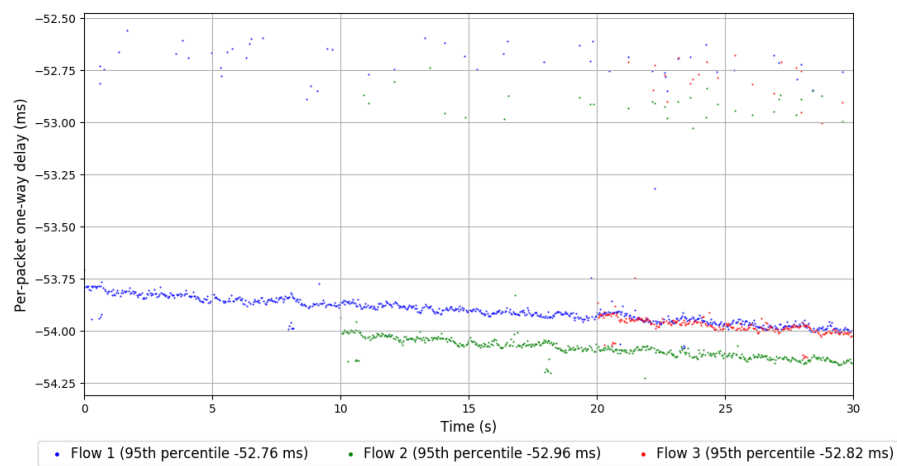
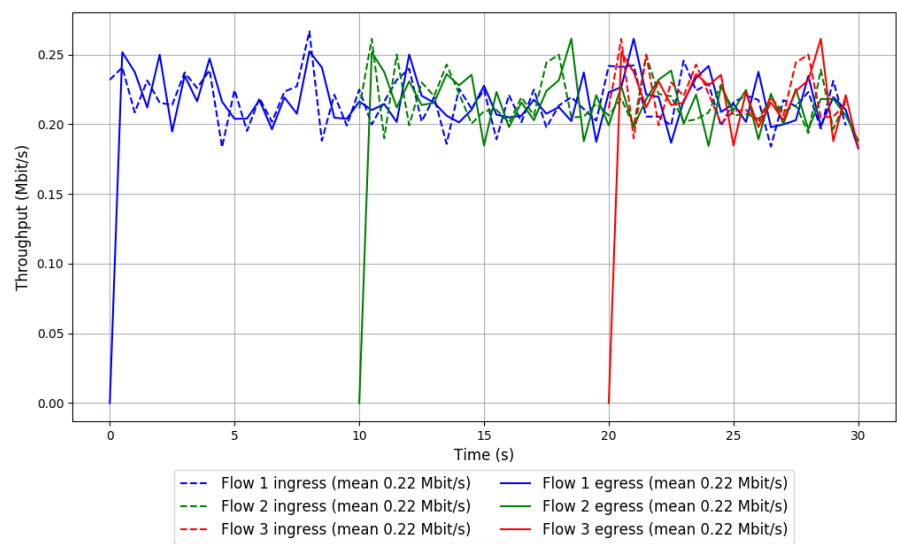


Run 8: Statistics of SReAM

Start at: 2018-06-19 11:07:58
End at: 2018-06-19 11:08:28
Local clock offset: -5.899 ms
Remote clock offset: 45.501 ms

```
# Below is generated by plot.py at 2018-06-19 12:17:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -52.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.816 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link

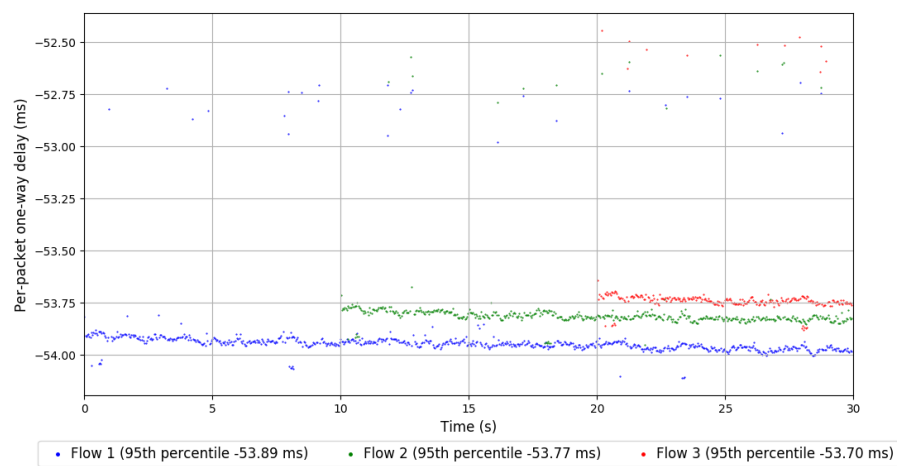
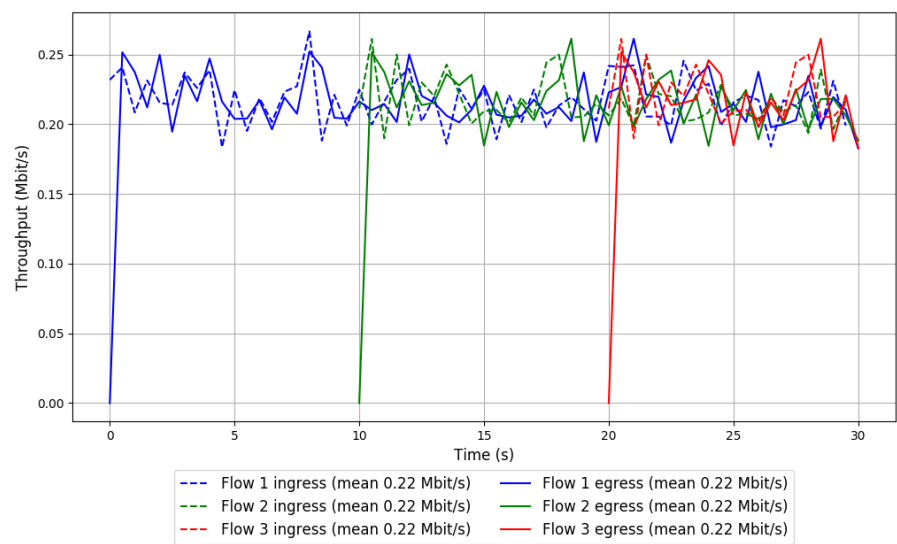


Run 9: Statistics of SReAM

Start at: 2018-06-19 11:25:50
End at: 2018-06-19 11:26:20
Local clock offset: -1.828 ms
Remote clock offset: 45.811 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -53.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.695 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

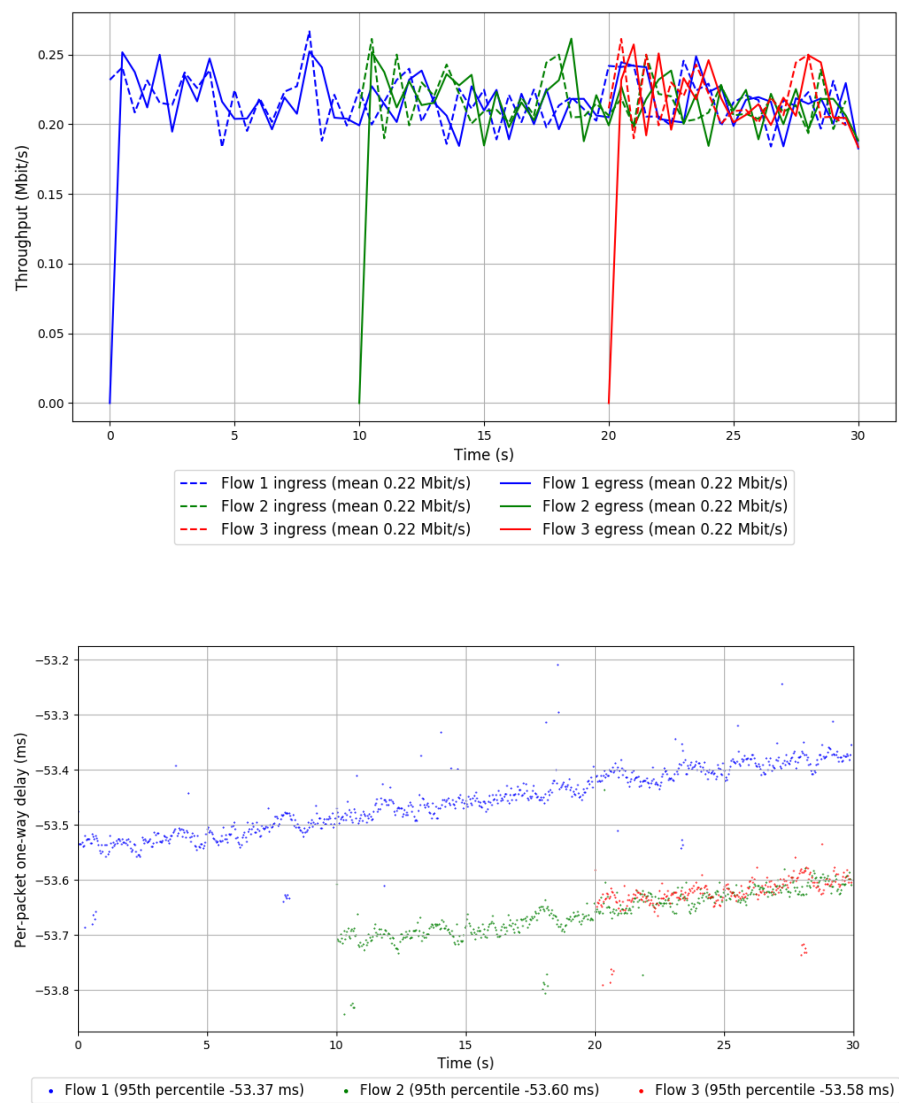


Run 10: Statistics of SReAM

Start at: 2018-06-19 11:43:48
End at: 2018-06-19 11:44:18
Local clock offset: -1.764 ms
Remote clock offset: 50.171 ms

Below is generated by plot.py at 2018-06-19 12:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -53.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -53.584 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

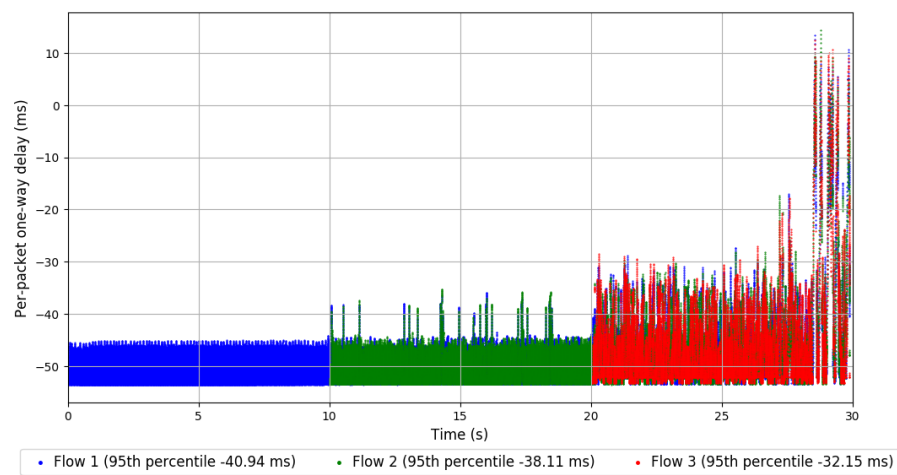
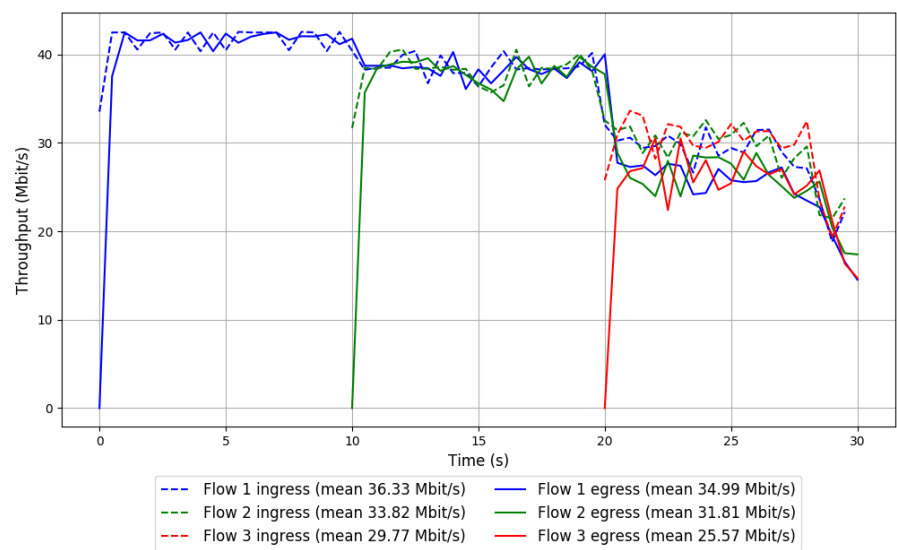


Run 1: Statistics of Sprout

Start at: 2018-06-19 09:07:15
End at: 2018-06-19 09:07:45
Local clock offset: -4.292 ms
Remote clock offset: 52.546 ms

Below is generated by plot.py at 2018-06-19 12:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: -38.048 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: -40.936 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: -38.111 ms
Loss rate: 5.93%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: -32.147 ms
Loss rate: 14.11%

Run 1: Report of Sprout — Data Link

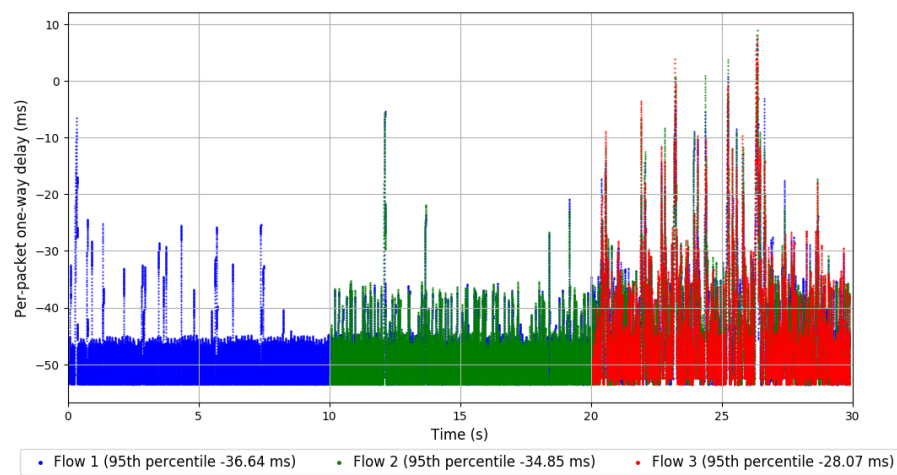
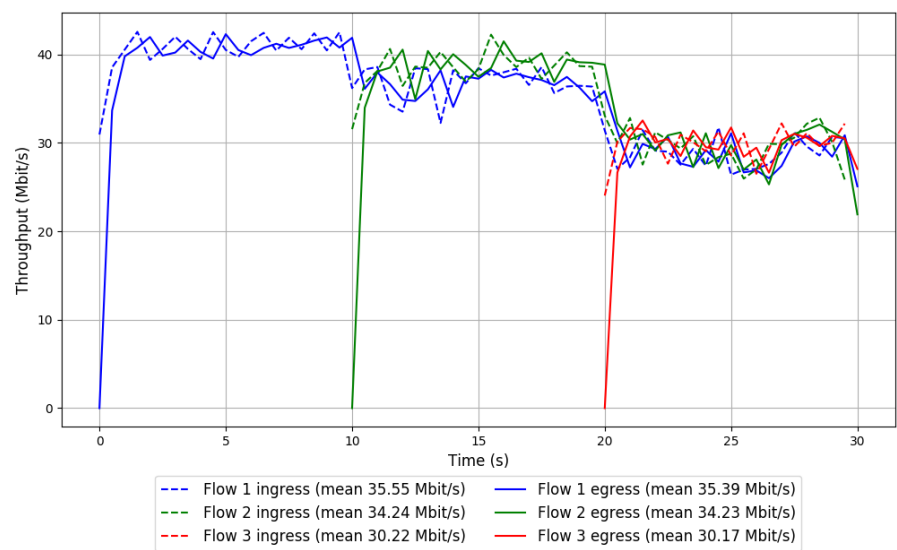


Run 2: Statistics of Sprout

Start at: 2018-06-19 09:25:11
End at: 2018-06-19 09:25:41
Local clock offset: -8.15 ms
Remote clock offset: 50.952 ms

Below is generated by plot.py at 2018-06-19 12:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: -34.370 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: -36.637 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: -34.846 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: -28.070 ms
Loss rate: 0.34%

Run 2: Report of Sprout — Data Link

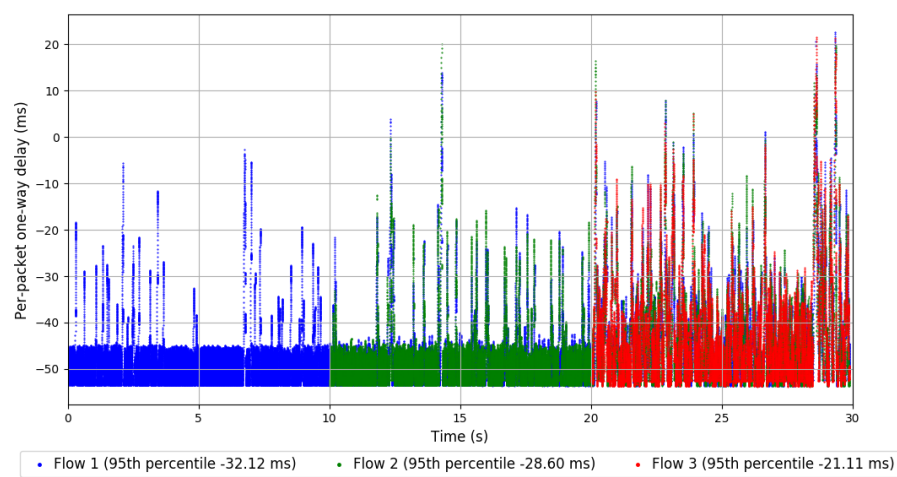
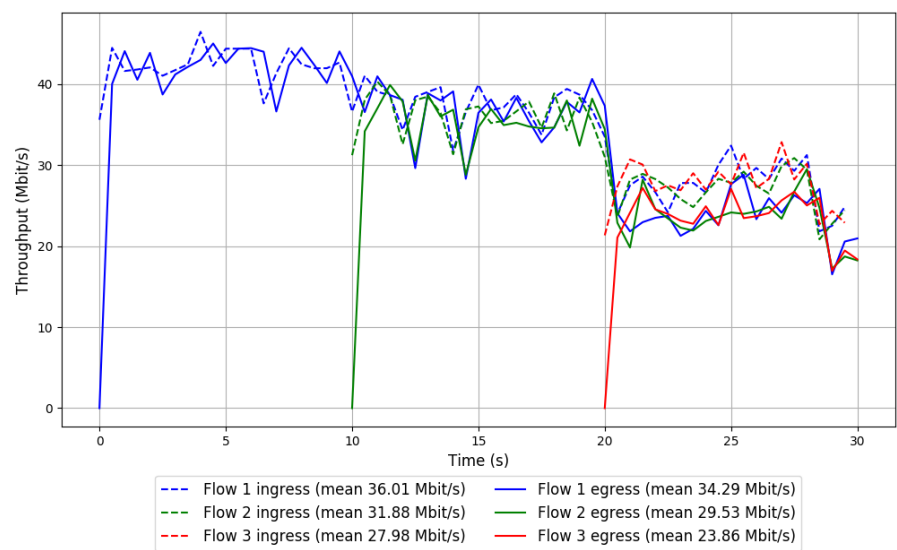


Run 3: Statistics of Sprout

Start at: 2018-06-19 09:43:05
End at: 2018-06-19 09:43:35
Local clock offset: -4.84 ms
Remote clock offset: 49.418 ms

Below is generated by plot.py at 2018-06-19 12:17:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: -29.341 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: -32.124 ms
Loss rate: 4.77%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: -28.597 ms
Loss rate: 7.39%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: -21.112 ms
Loss rate: 14.68%

Run 3: Report of Sprout — Data Link

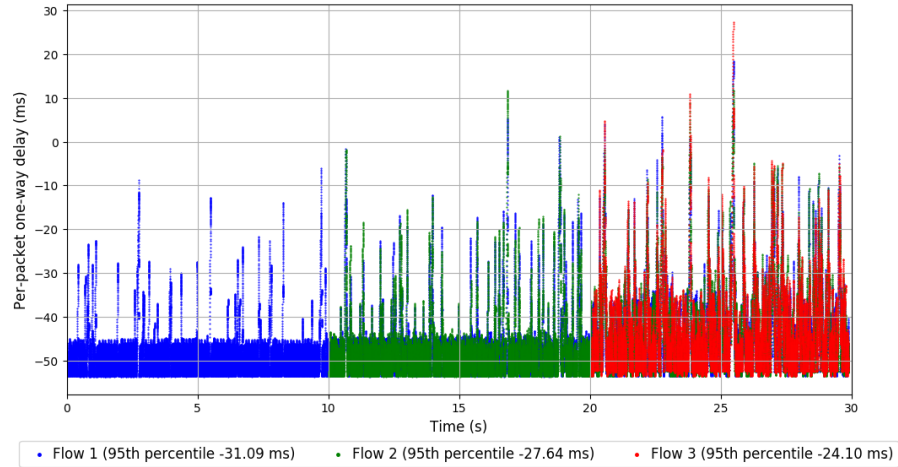
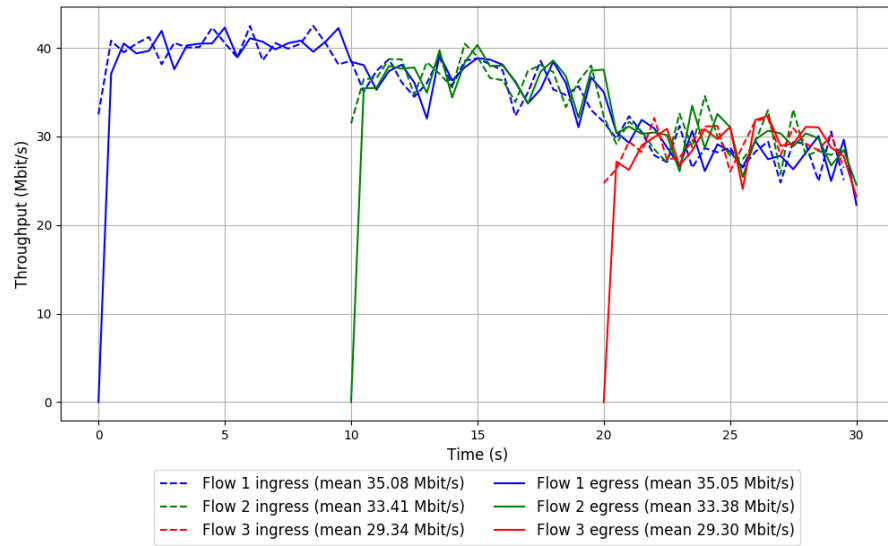


Run 4: Statistics of Sprout

Start at: 2018-06-19 10:00:59
End at: 2018-06-19 10:01:29
Local clock offset: -2.654 ms
Remote clock offset: 51.308 ms

```
# Below is generated by plot.py at 2018-06-19 12:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: -28.709 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: -31.088 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: -27.644 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: -24.103 ms
Loss rate: 0.26%
```

Run 4: Report of Sprout — Data Link

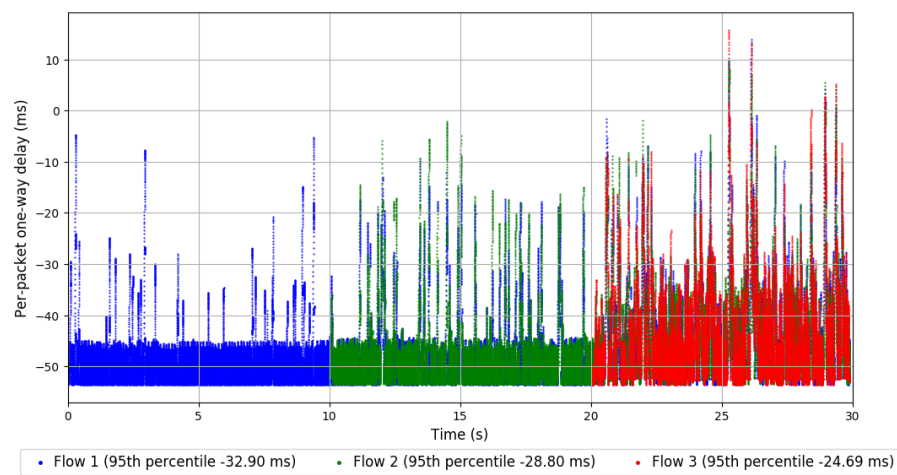
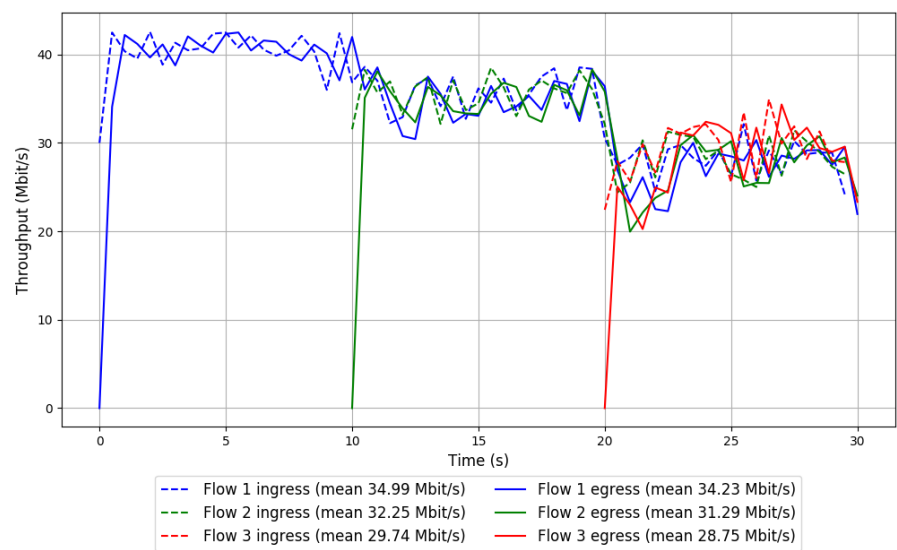


Run 5: Statistics of Sprout

Start at: 2018-06-19 10:18:49
End at: 2018-06-19 10:19:19
Local clock offset: -1.083 ms
Remote clock offset: 52.543 ms

```
# Below is generated by plot.py at 2018-06-19 12:18:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: -30.068 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: -32.896 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: -28.803 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: -24.692 ms
Loss rate: 3.33%
```


Run 5: Report of Sprout — Data Link

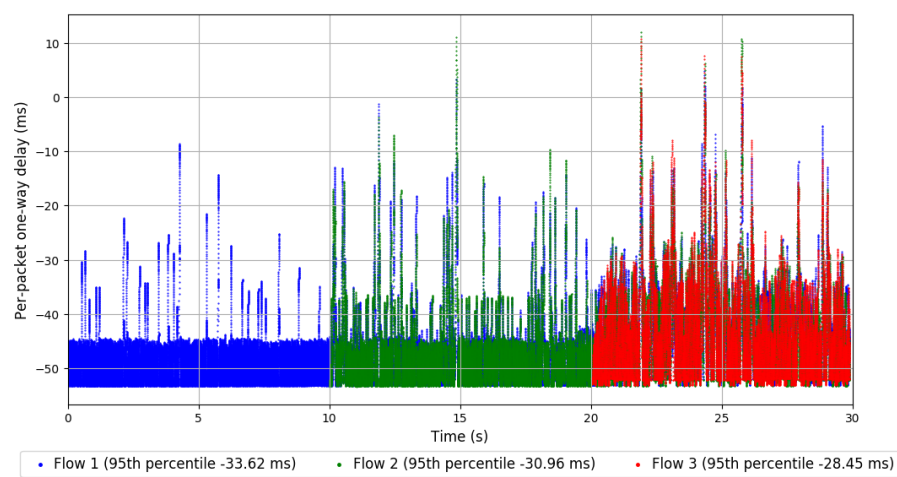
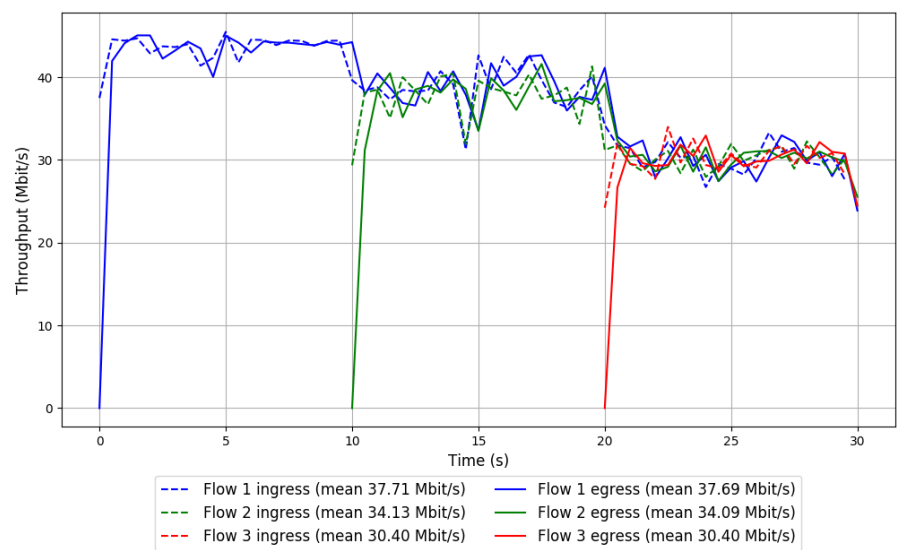


Run 6: Statistics of Sprout

Start at: 2018-06-19 10:36:43
End at: 2018-06-19 10:37:13
Local clock offset: -2.388 ms
Remote clock offset: 48.396 ms

Below is generated by plot.py at 2018-06-19 12:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: -31.699 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: -33.623 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: -30.960 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: -28.454 ms
Loss rate: 0.06%

Run 6: Report of Sprout — Data Link

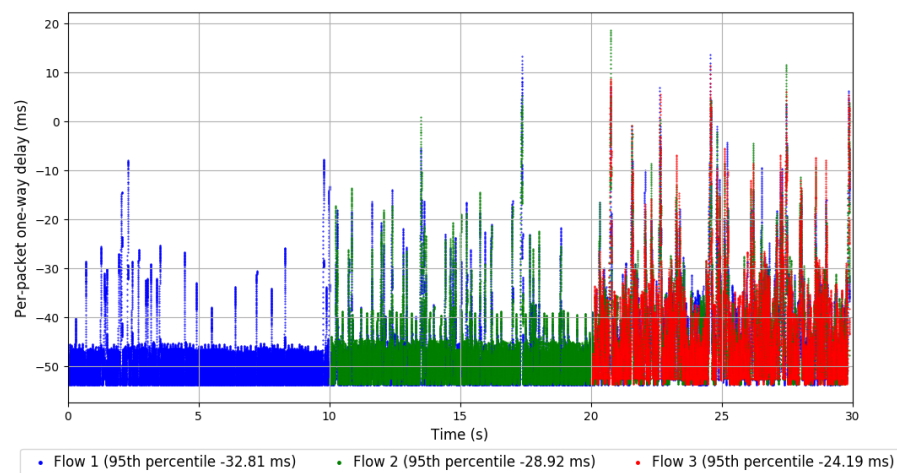
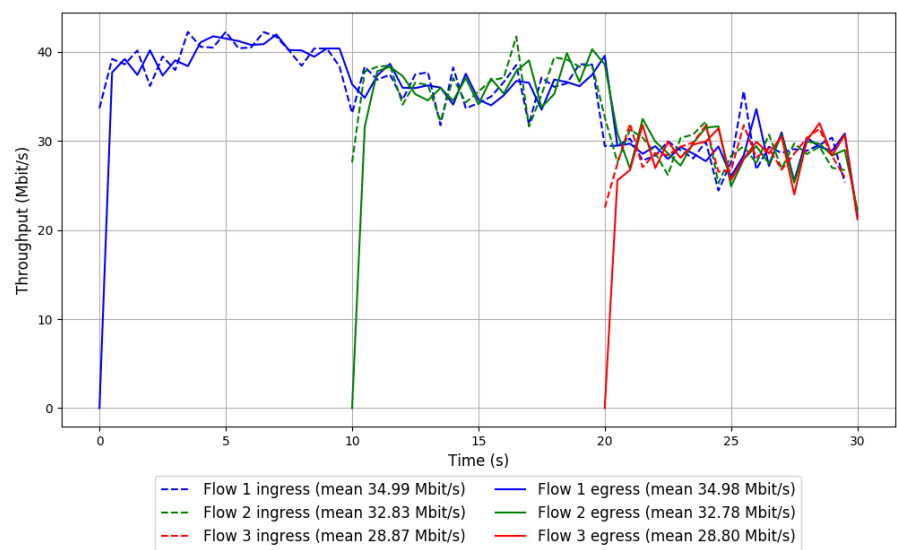


Run 7: Statistics of Sprout

Start at: 2018-06-19 10:54:29
End at: 2018-06-19 10:54:59
Local clock offset: -7.548 ms
Remote clock offset: 45.339 ms

```
# Below is generated by plot.py at 2018-06-19 12:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: -30.132 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: -32.806 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: -28.924 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: -24.194 ms
Loss rate: 0.26%
```

Run 7: Report of Sprout — Data Link

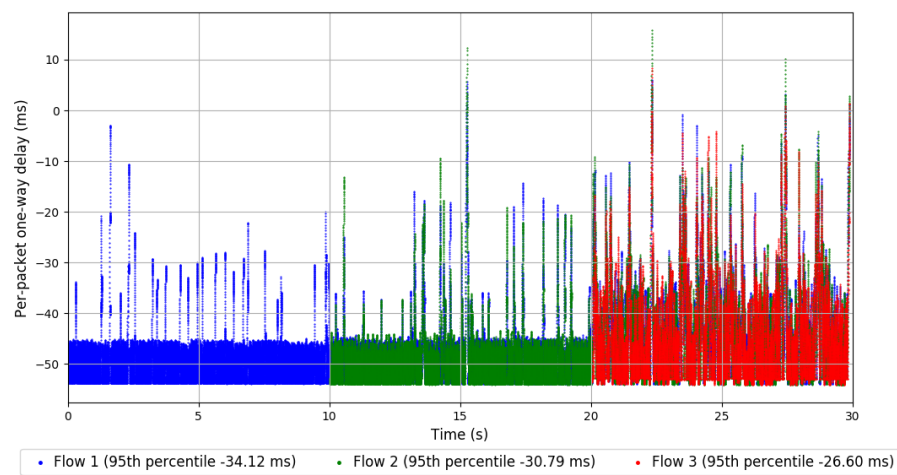
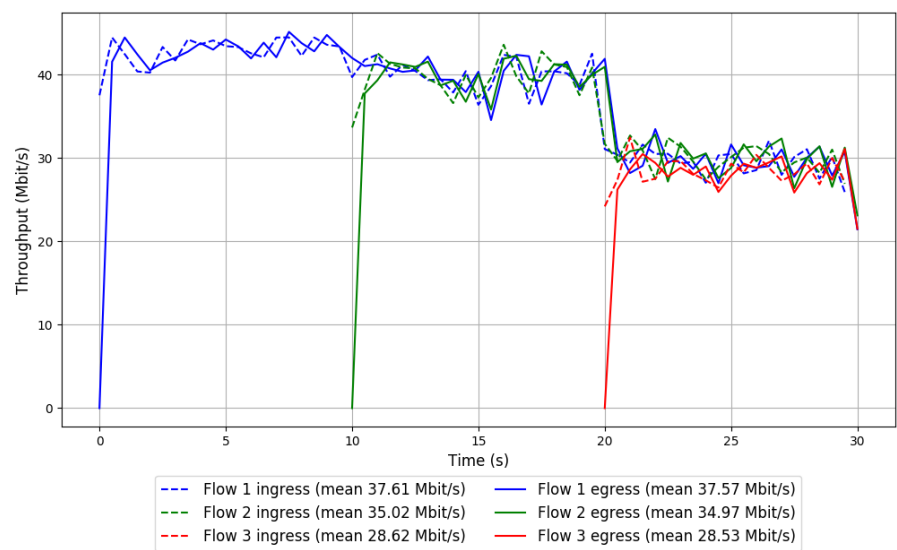


Run 8: Statistics of Sprout

Start at: 2018-06-19 11:12:21
End at: 2018-06-19 11:12:51
Local clock offset: -4.171 ms
Remote clock offset: 45.824 ms

Below is generated by plot.py at 2018-06-19 12:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: -31.828 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: -34.119 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: -30.791 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: -26.596 ms
Loss rate: 0.34%

Run 8: Report of Sprout — Data Link

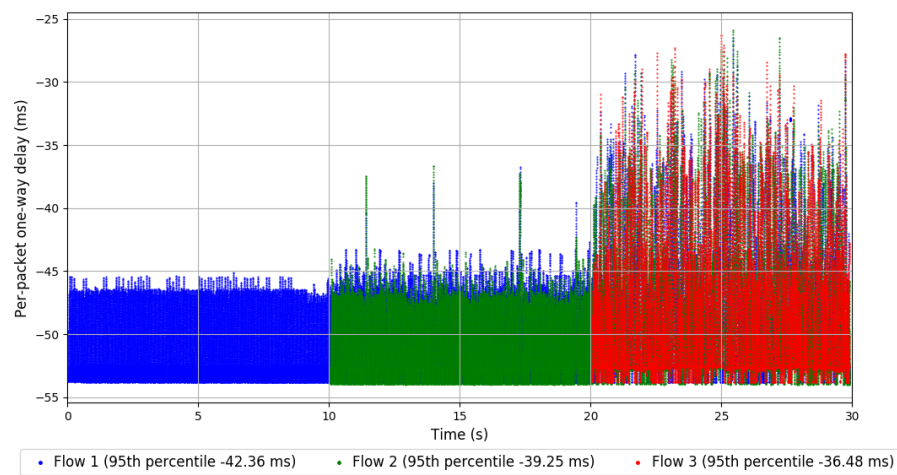
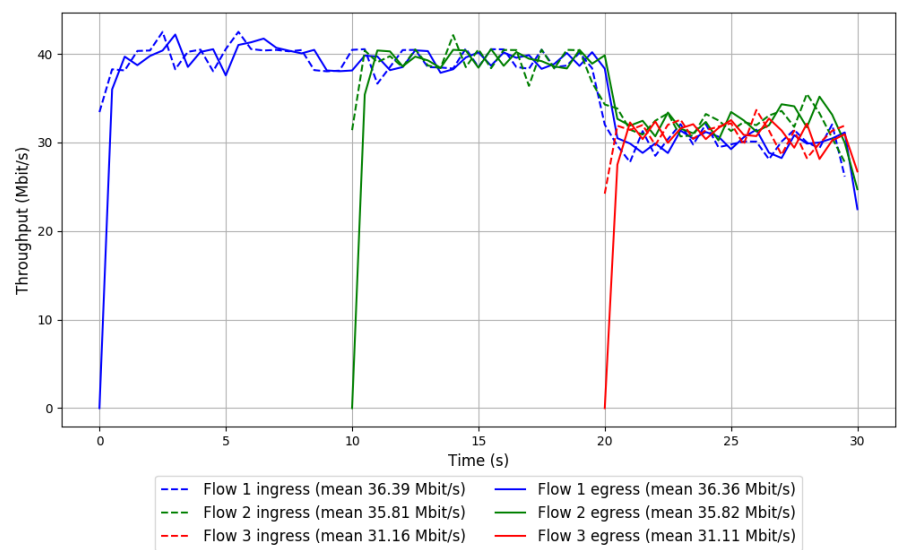


Run 9: Statistics of Sprout

Start at: 2018-06-19 11:30:16
End at: 2018-06-19 11:30:46
Local clock offset: -1.483 ms
Remote clock offset: 45.68 ms

```
# Below is generated by plot.py at 2018-06-19 12:18:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: -39.519 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: -42.363 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: -39.246 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: -36.484 ms
Loss rate: 0.28%
```


Run 9: Report of Sprout — Data Link

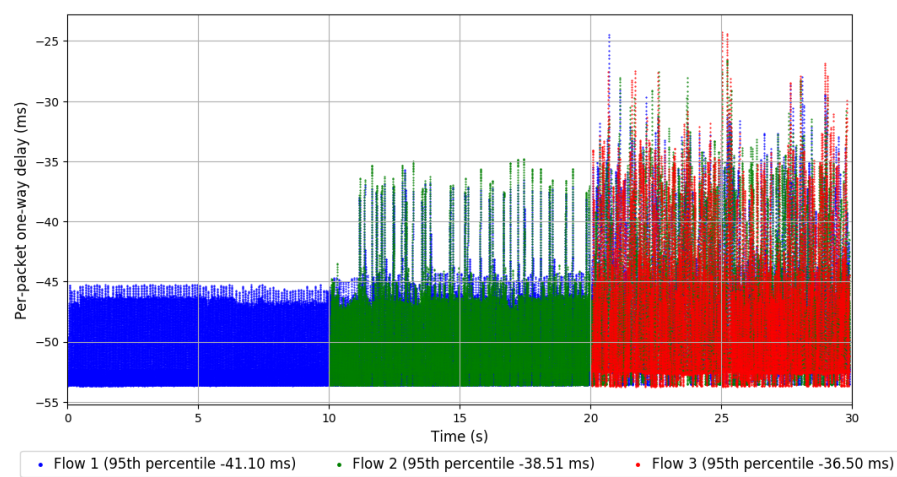
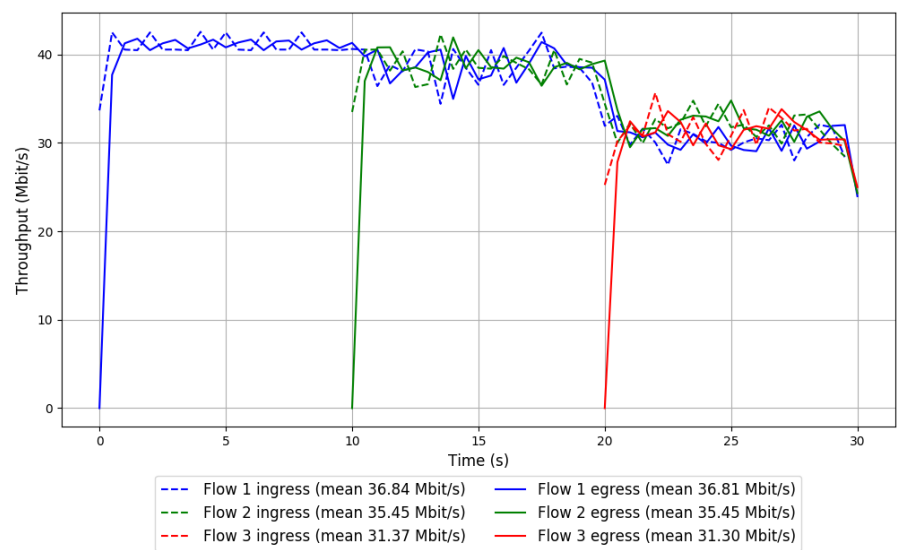


Run 10: Statistics of Sprout

Start at: 2018-06-19 11:48:13
End at: 2018-06-19 11:48:43
Local clock offset: -1.875 ms
Remote clock offset: 51.472 ms

Below is generated by plot.py at 2018-06-19 12:18:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: -38.960 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: -41.102 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: -38.505 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: -36.501 ms
Loss rate: 0.29%

Run 10: Report of Sprout — Data Link

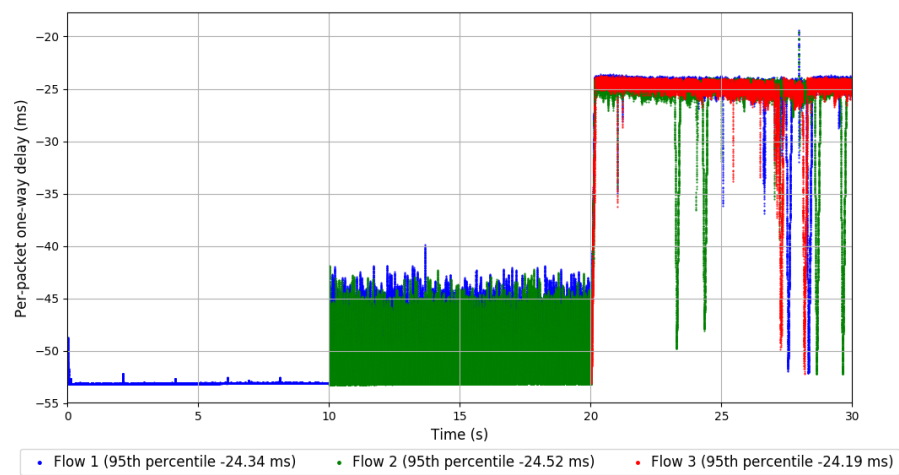
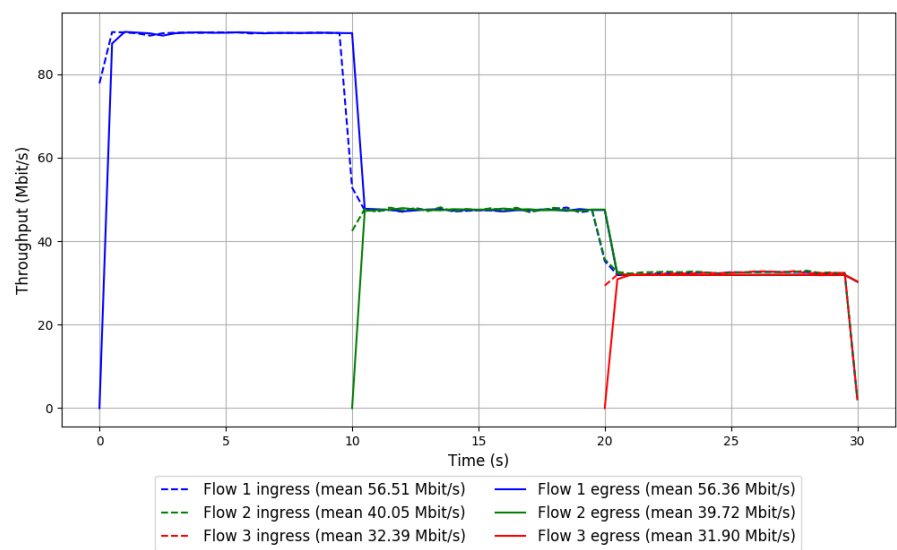


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-19 09:03:53
End at: 2018-06-19 09:04:23
Local clock offset: -2.732 ms
Remote clock offset: 52.206 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: -24.335 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: -24.341 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: -24.517 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: -24.190 ms
Loss rate: 1.68%

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

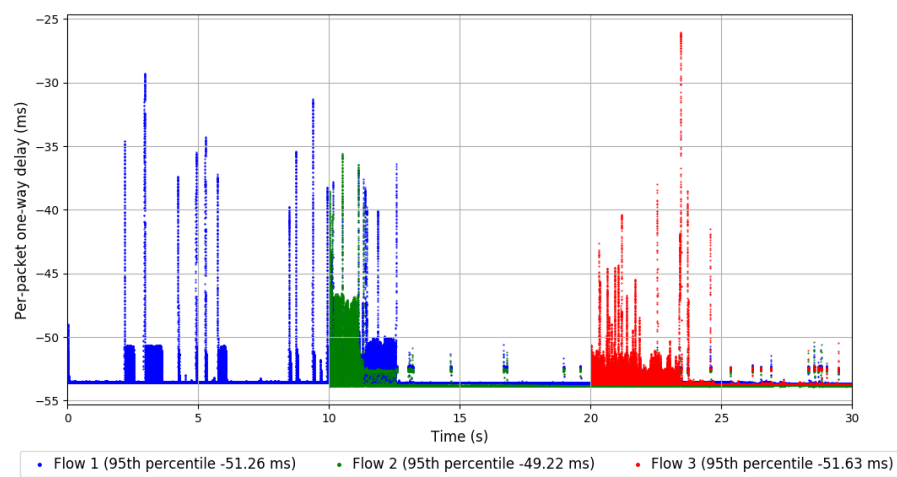
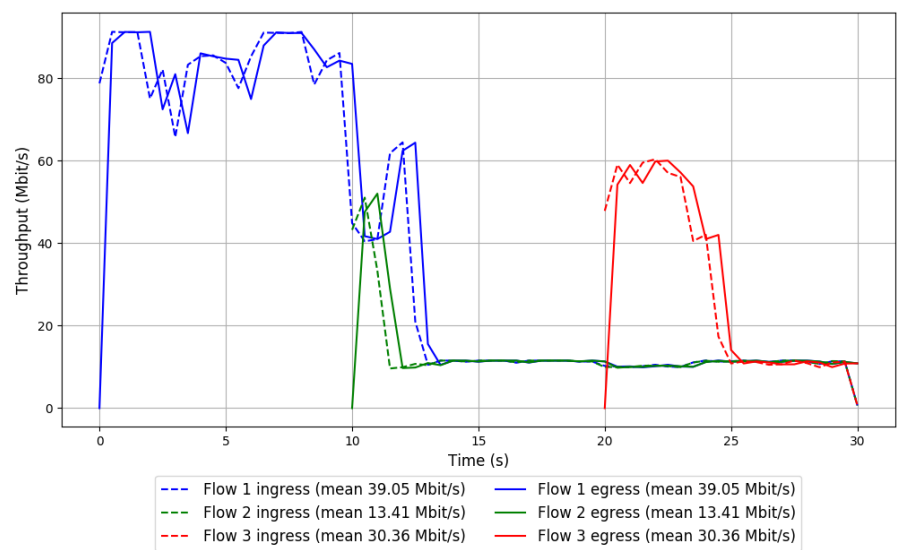


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-19 09:21:51
End at: 2018-06-19 09:22:21
Local clock offset: -7.744 ms
Remote clock offset: 52.106 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: -51.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: -51.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: -49.220 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: -51.634 ms
Loss rate: 0.01%

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

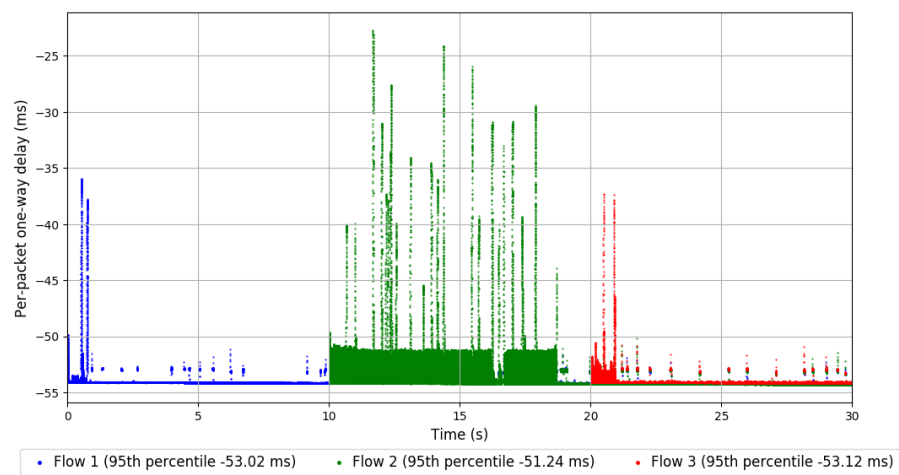
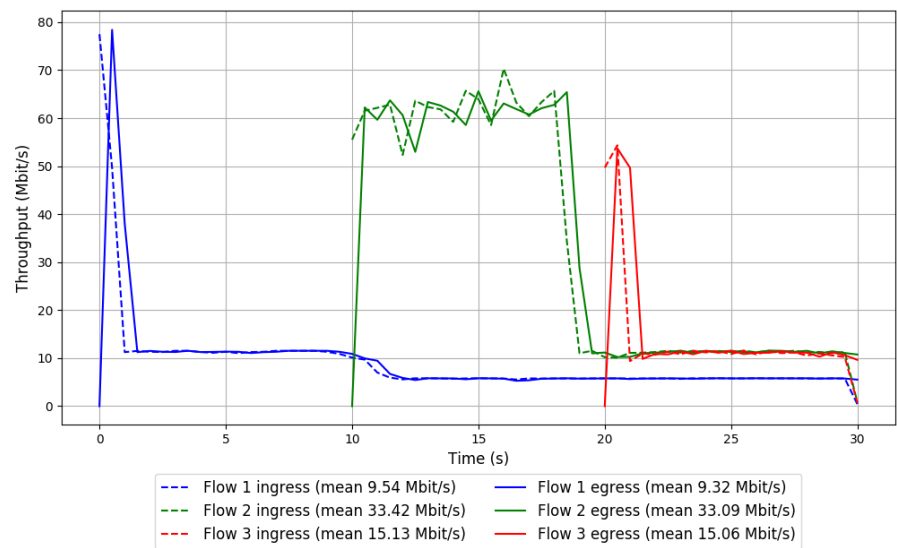


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-19 09:39:45
End at: 2018-06-19 09:40:15
Local clock offset: -5.936 ms
Remote clock offset: 49.855 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: -51.376 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: -53.019 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: -51.237 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: -53.117 ms
Loss rate: 0.51%

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

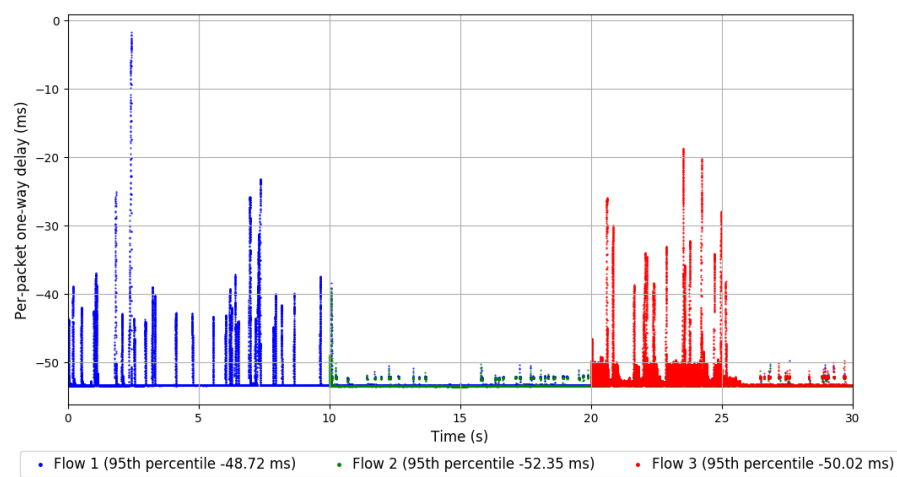
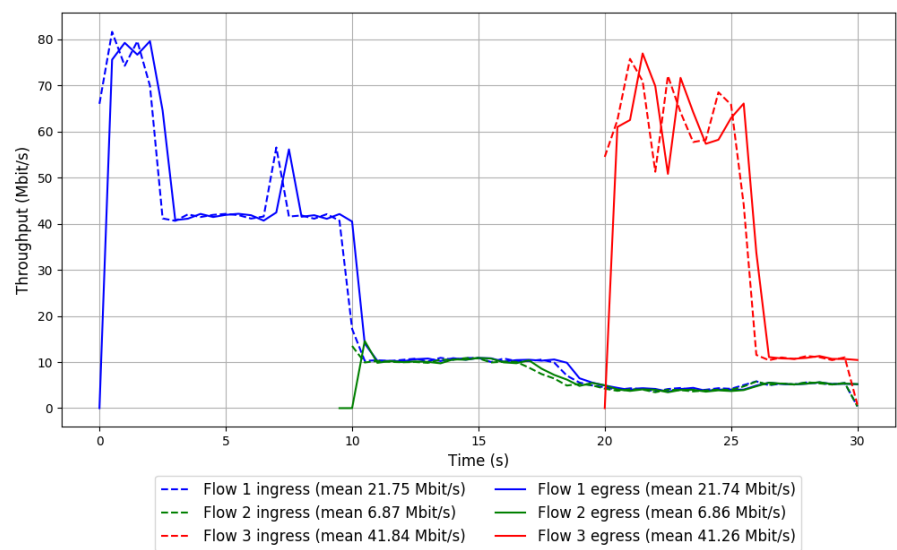


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-19 09:57:40
End at: 2018-06-19 09:58:10
Local clock offset: -2.873 ms
Remote clock offset: 50.436 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: -50.194 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: -48.718 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: -52.354 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: -50.023 ms
Loss rate: 1.43%

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

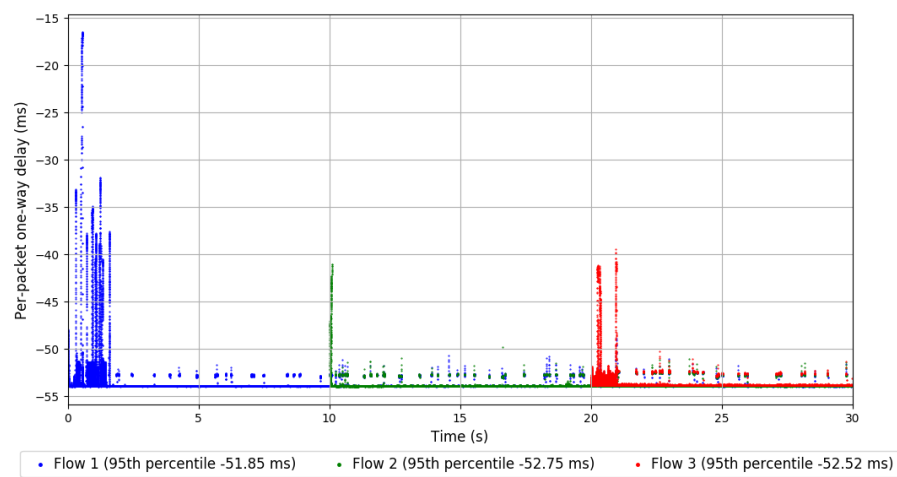
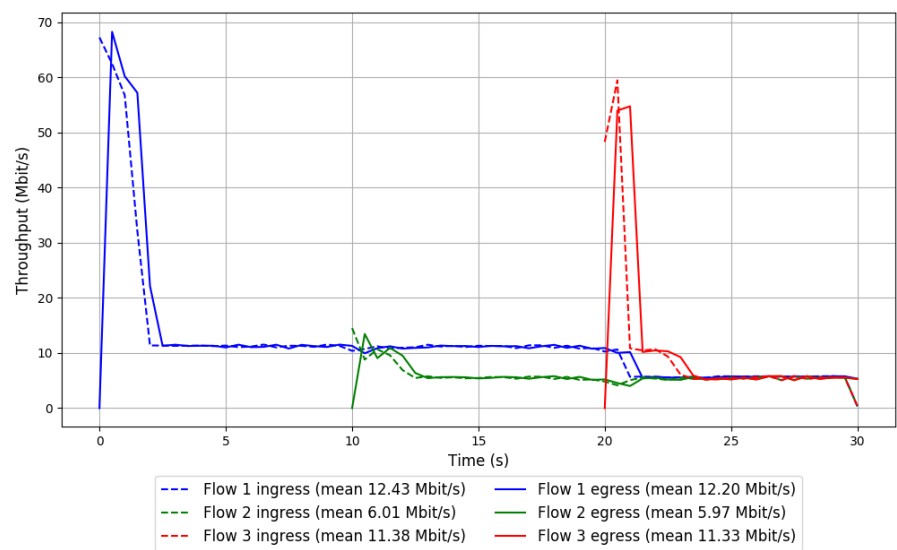


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-19 10:15:32
End at: 2018-06-19 10:16:02
Local clock offset: -1.341 ms
Remote clock offset: 52.745 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: -52.357 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: -51.855 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: -52.754 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: -52.516 ms
Loss rate: 0.44%

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

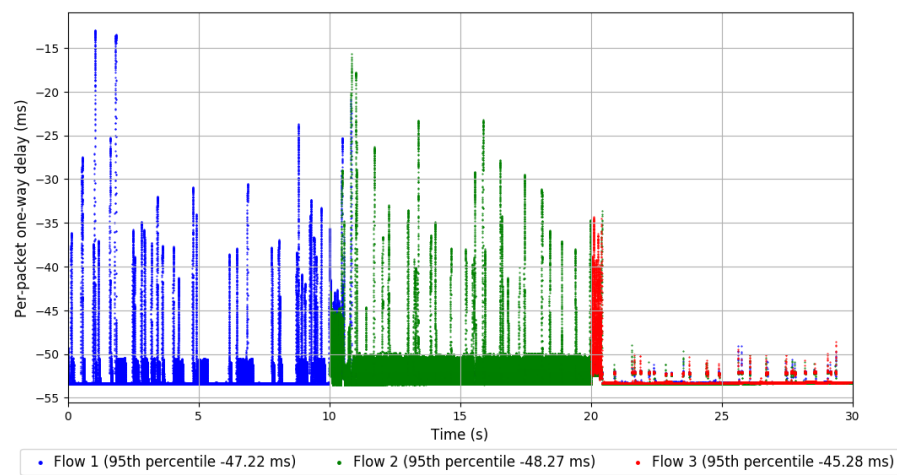
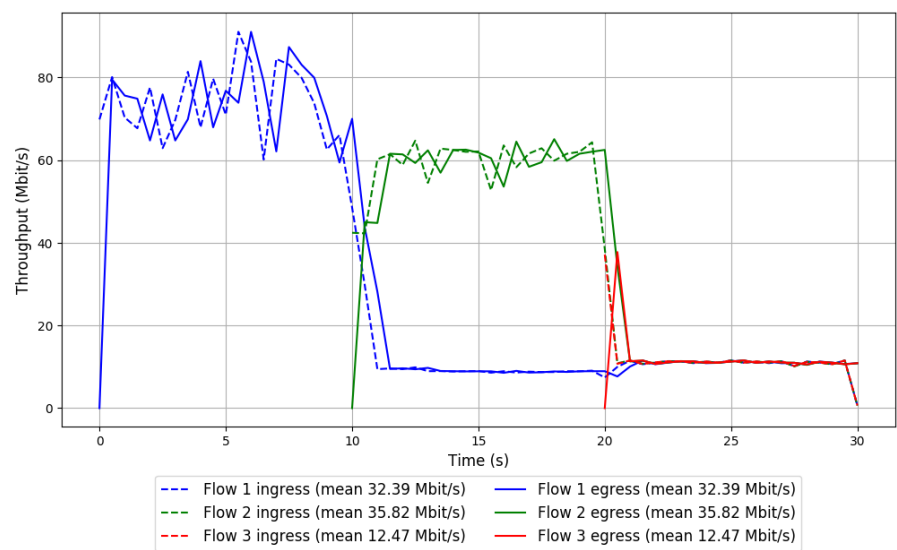


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-19 10:33:22
End at: 2018-06-19 10:33:52
Local clock offset: -0.378 ms
Remote clock offset: 49.577 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: -47.374 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: -47.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: -48.265 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: -45.282 ms
Loss rate: 0.03%

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

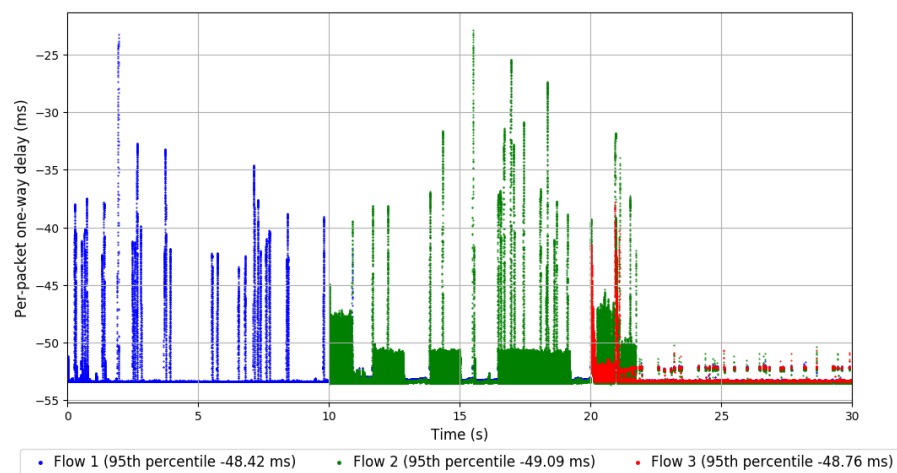
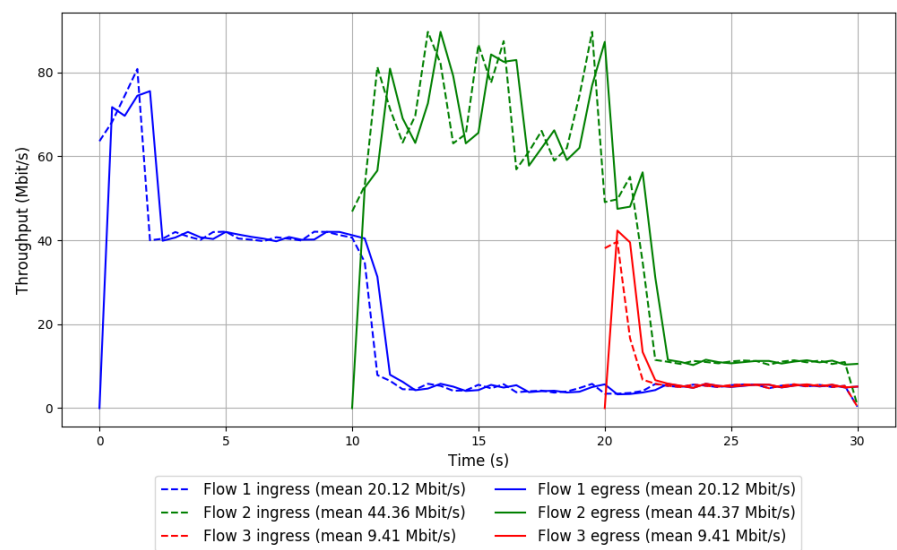


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-19 10:51:08
End at: 2018-06-19 10:51:38
Local clock offset: -7.148 ms
Remote clock offset: 45.404 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: -48.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: -48.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: -49.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: -48.762 ms
Loss rate: 0.01%

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

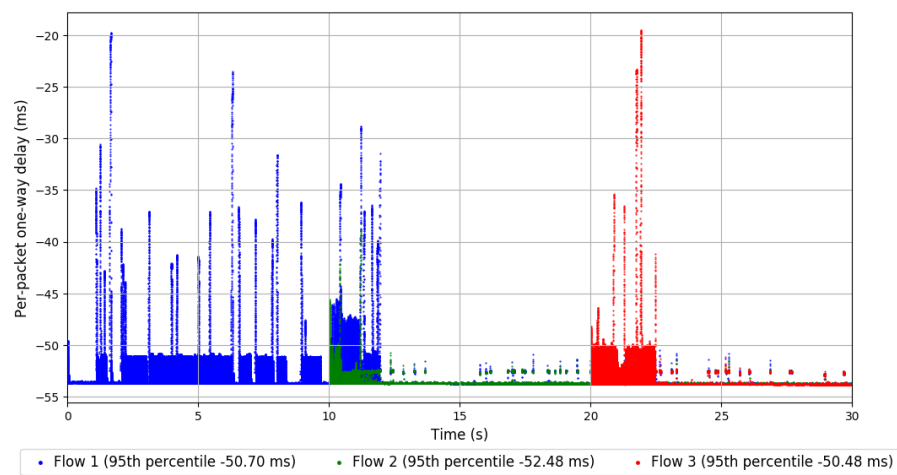
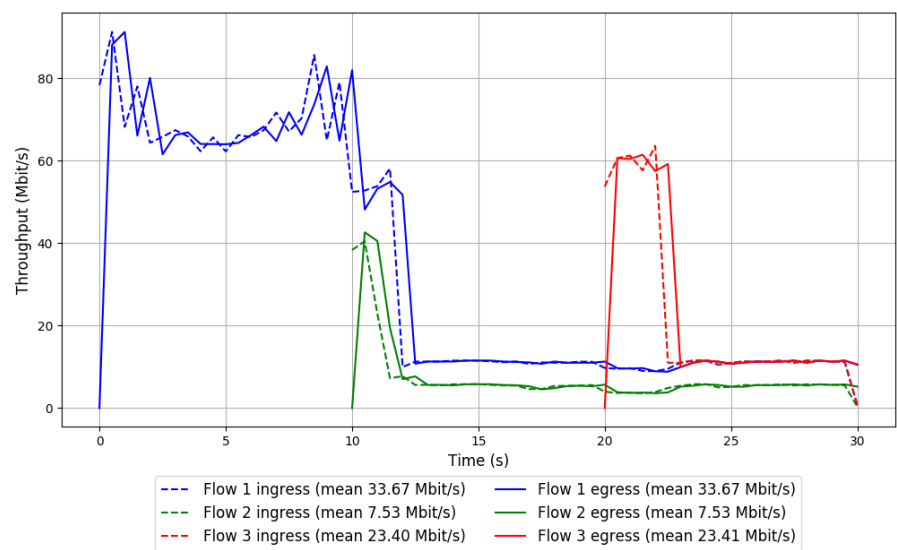


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-19 11:09:01
End at: 2018-06-19 11:09:31
Local clock offset: -5.433 ms
Remote clock offset: 45.402 ms

Below is generated by plot.py at 2018-06-19 12:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: -50.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: -50.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: -52.477 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: -50.477 ms
Loss rate: 0.02%

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

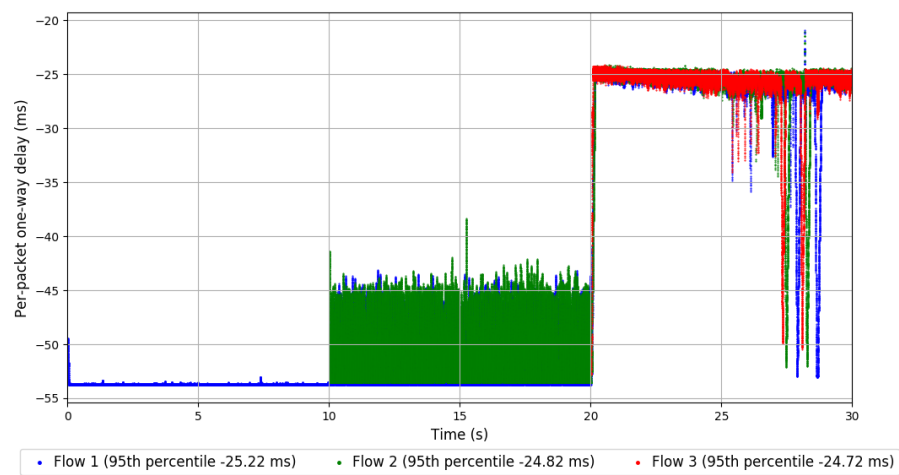
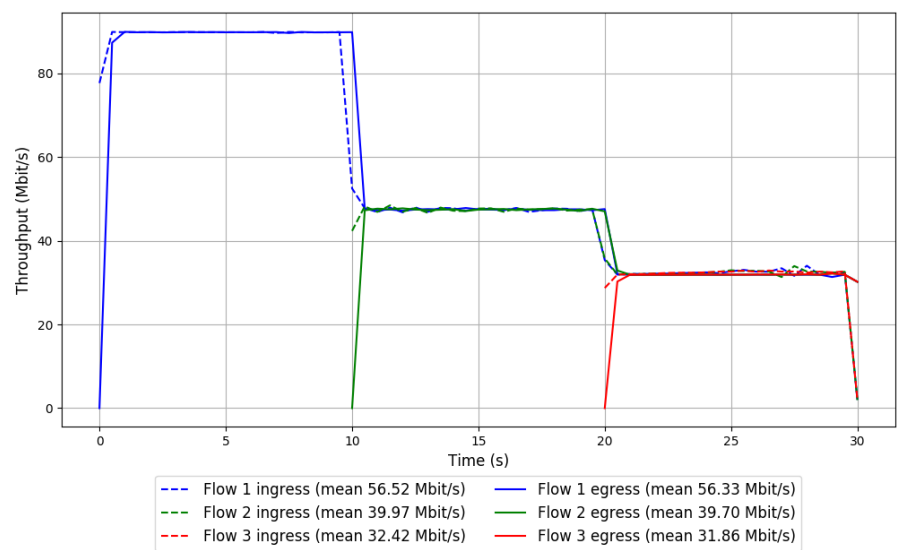


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-19 11:26:54
End at: 2018-06-19 11:27:24
Local clock offset: -1.683 ms
Remote clock offset: 45.653 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: -24.937 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: -25.217 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: -24.815 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: -24.722 ms
Loss rate: 1.91%

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

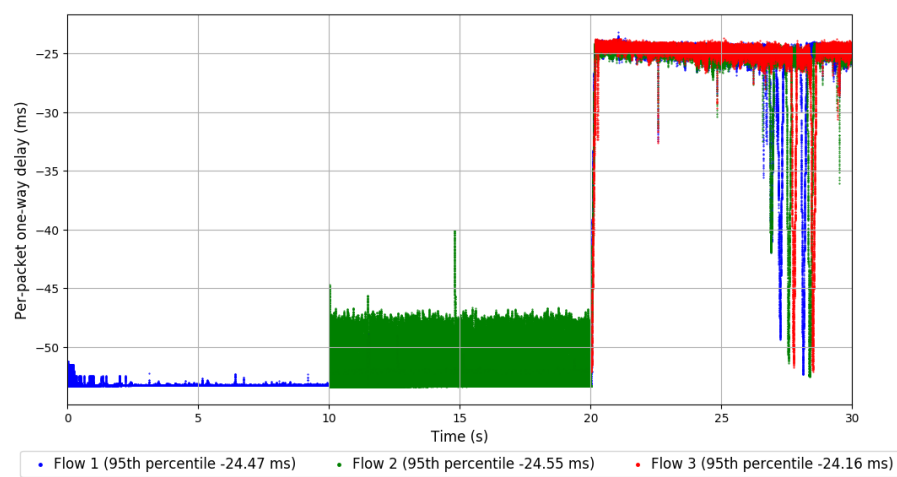
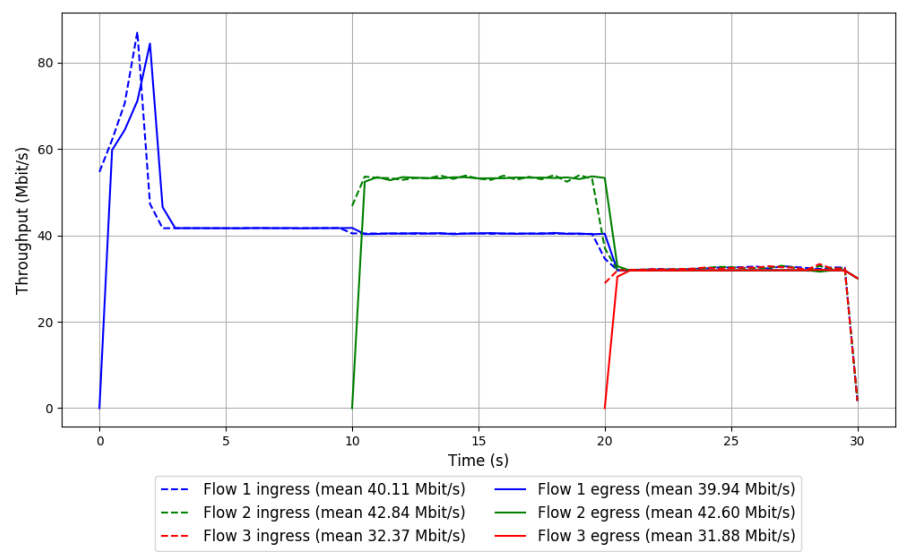


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-19 11:44:51
End at: 2018-06-19 11:45:21
Local clock offset: -1.86 ms
Remote clock offset: 50.111 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: -24.385 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: -24.470 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: -24.549 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: -24.156 ms
Loss rate: 1.69%

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

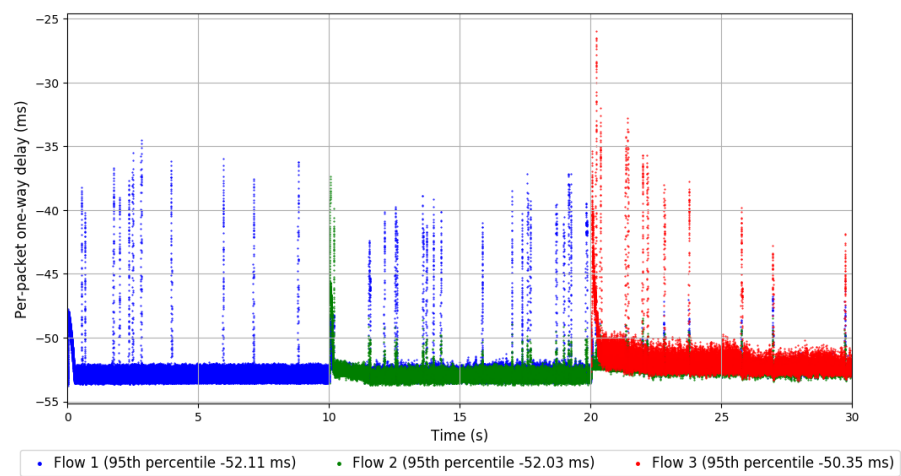
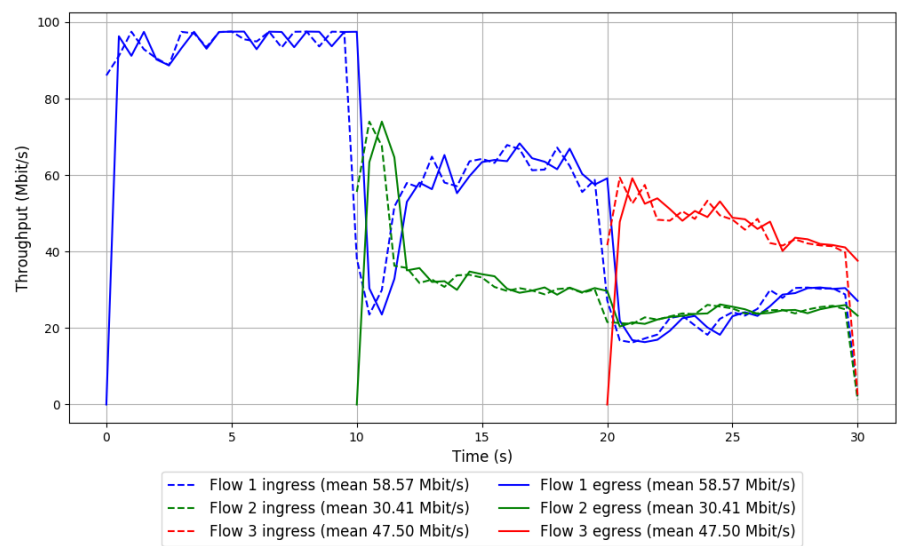


Run 1: Statistics of TCP Vegas

Start at: 2018-06-19 09:18:31
End at: 2018-06-19 09:19:01
Local clock offset: -7.316 ms
Remote clock offset: 53.011 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: -51.312 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: -52.110 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: -52.035 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: -50.354 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

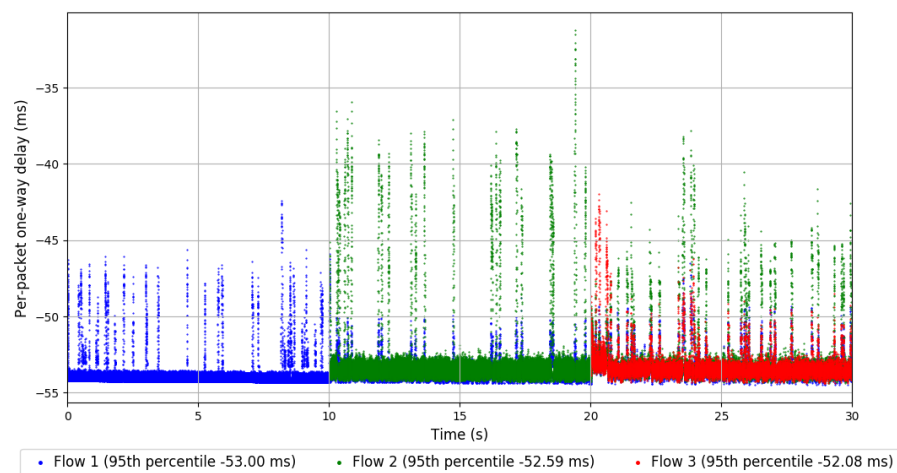
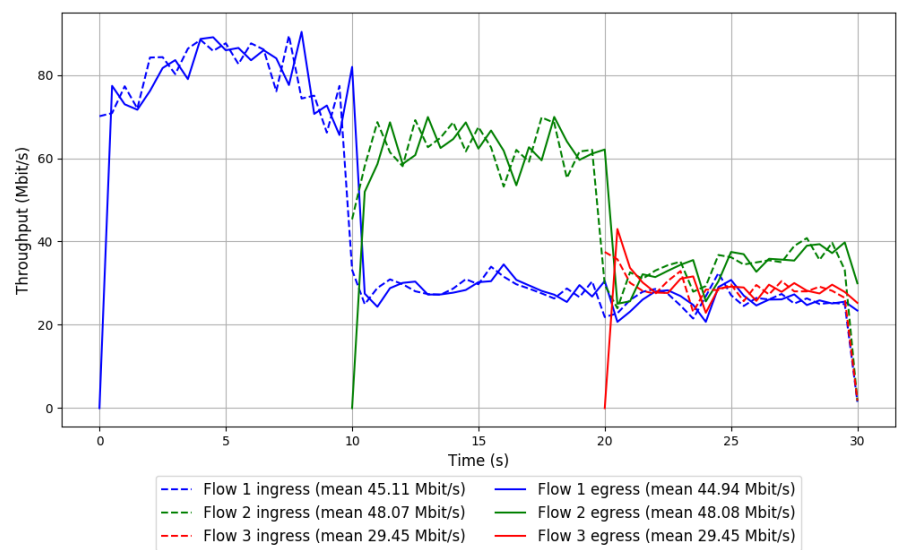


Run 2: Statistics of TCP Vegas

Start at: 2018-06-19 09:36:25
End at: 2018-06-19 09:36:55
Local clock offset: -7.523 ms
Remote clock offset: 49.998 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: -52.727 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: -52.998 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: -52.588 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: -52.080 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

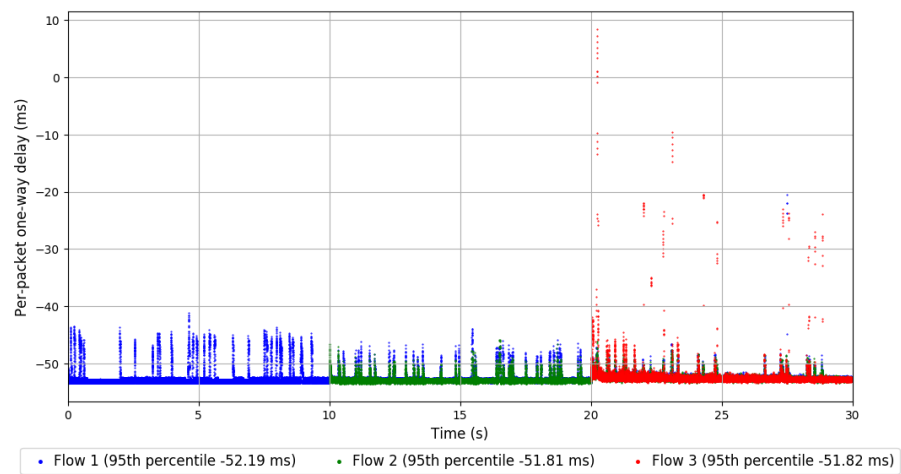
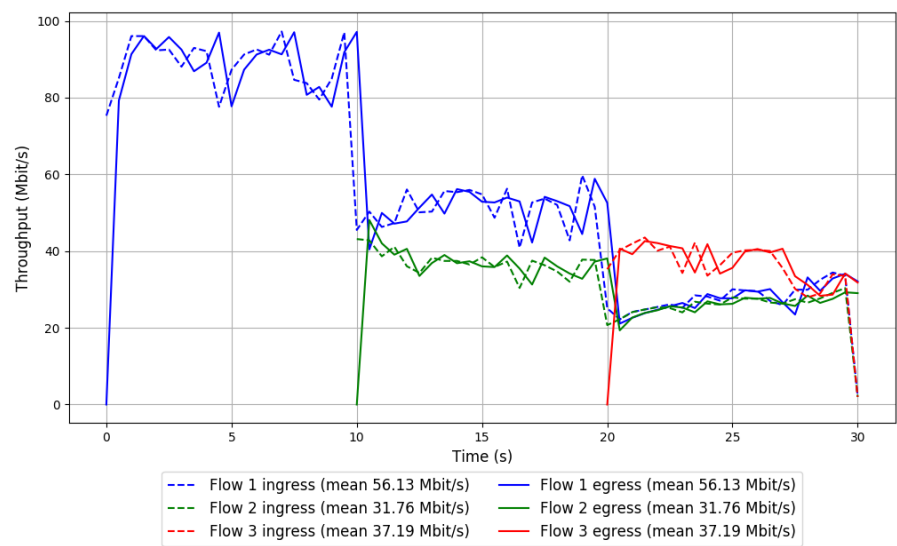


Run 3: Statistics of TCP Vegas

Start at: 2018-06-19 09:54:20
End at: 2018-06-19 09:54:50
Local clock offset: -3.169 ms
Remote clock offset: 49.571 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: -52.053 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: -52.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: -51.813 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: -51.821 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

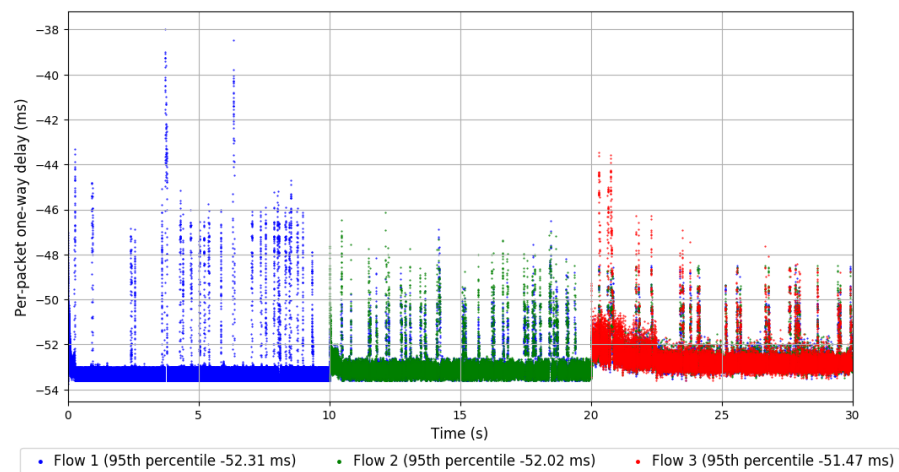
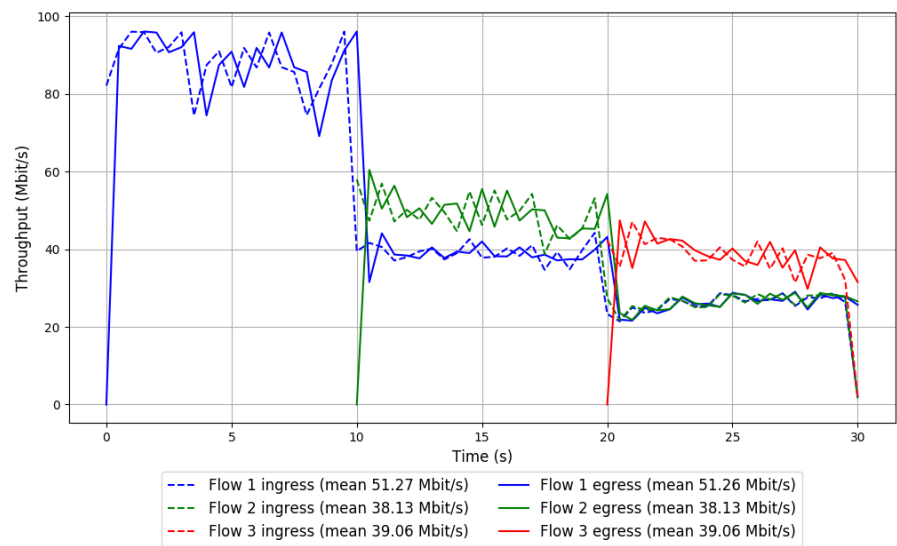


Run 4: Statistics of TCP Vegas

Start at: 2018-06-19 10:12:12
End at: 2018-06-19 10:12:42
Local clock offset: -1.546 ms
Remote clock offset: 52.261 ms

Below is generated by plot.py at 2018-06-19 12:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: -52.003 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: -52.311 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: -52.022 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: -51.468 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

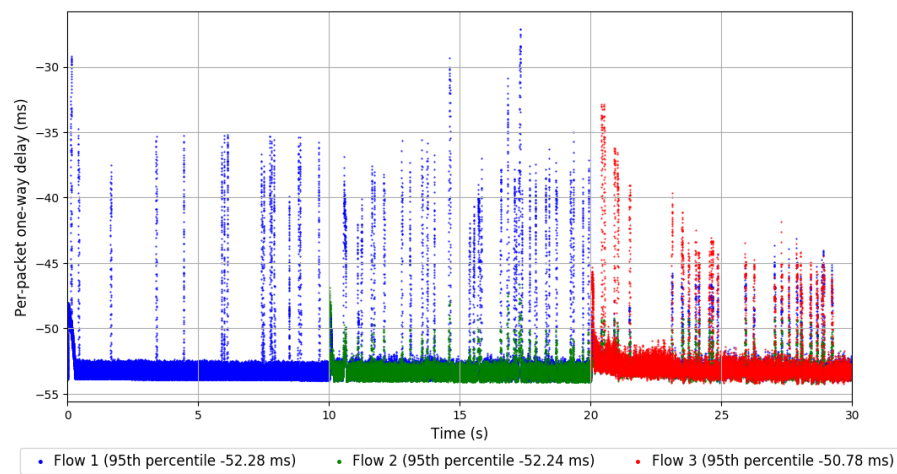
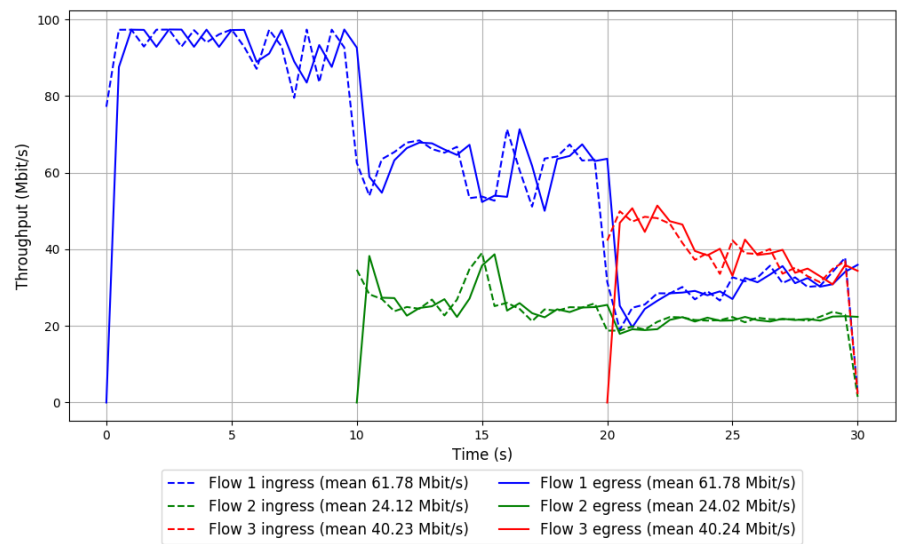


Run 5: Statistics of TCP Vegas

Start at: 2018-06-19 10:30:02
End at: 2018-06-19 10:30:32
Local clock offset: -0.576 ms
Remote clock offset: 51.641 ms

Below is generated by plot.py at 2018-06-19 12:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: -51.929 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: -52.285 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: -52.238 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: -50.784 ms
Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-19 10:47:49

End at: 2018-06-19 10:48:19

Local clock offset: -6.482 ms

Remote clock offset: 45.89 ms

Below is generated by plot.py at 2018-06-19 12:21:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: -50.203 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: -49.017 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: -50.931 ms

Loss rate: 0.01%

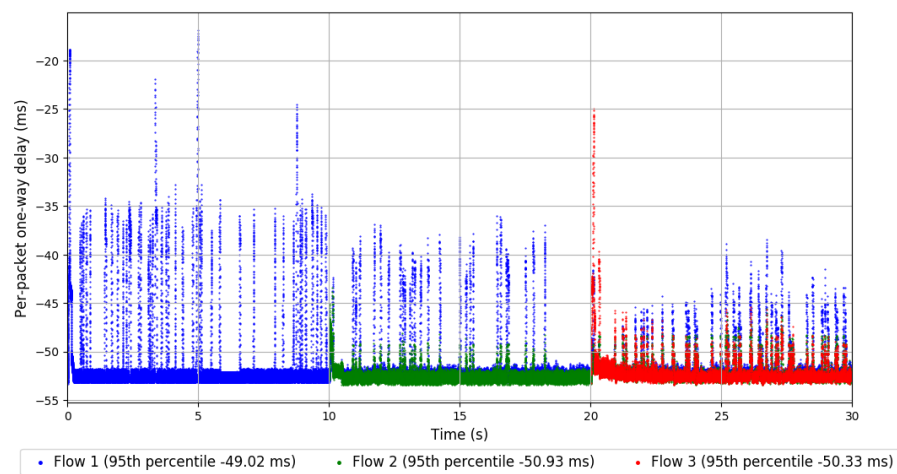
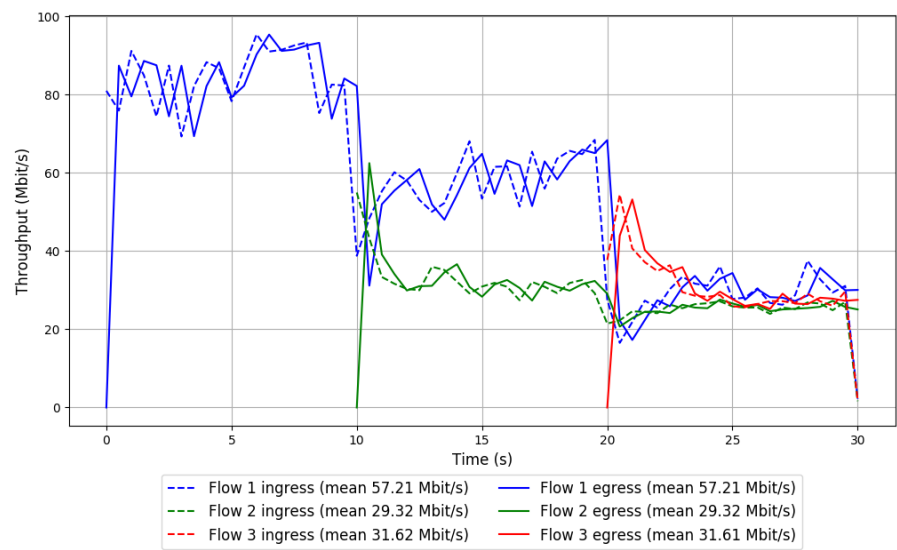
-- Flow 3:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: -50.327 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-19 11:05:42

End at: 2018-06-19 11:06:12

Local clock offset: -7.275 ms

Remote clock offset: 44.97 ms

Below is generated by plot.py at 2018-06-19 12:21:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: -52.008 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: -52.603 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: -52.287 ms

Loss rate: 0.01%

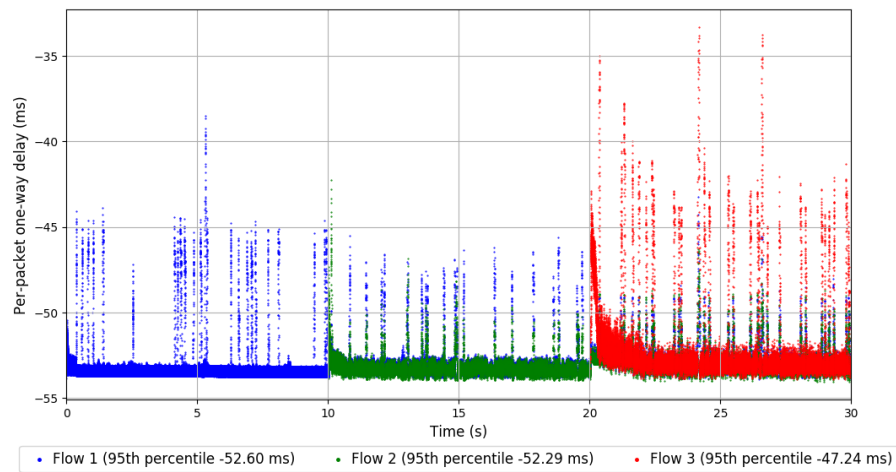
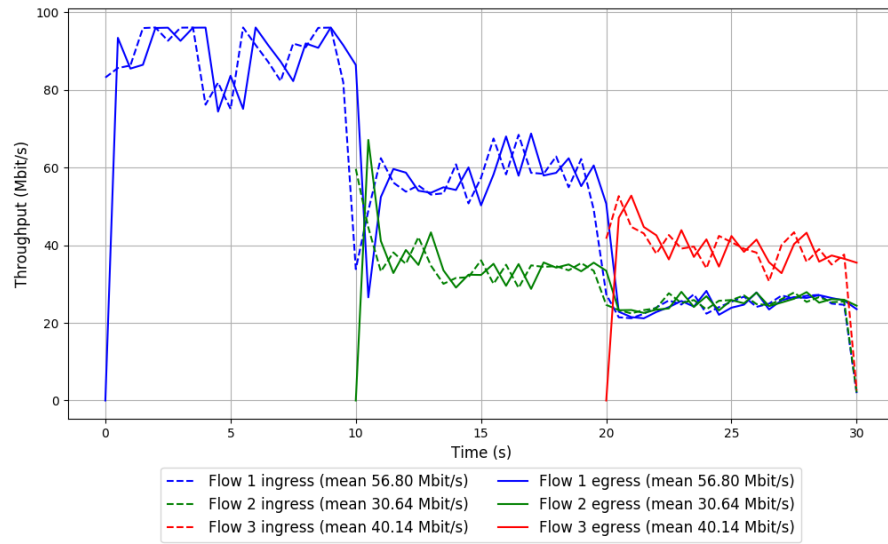
-- Flow 3:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: -47.242 ms

Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link

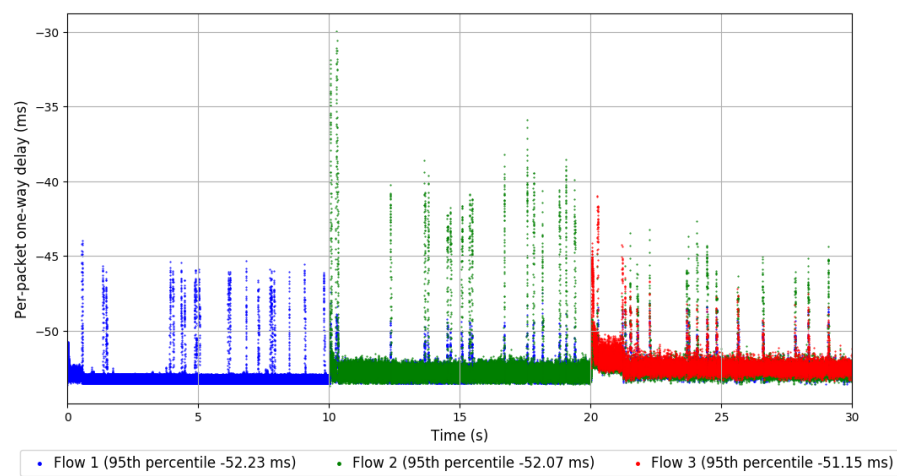
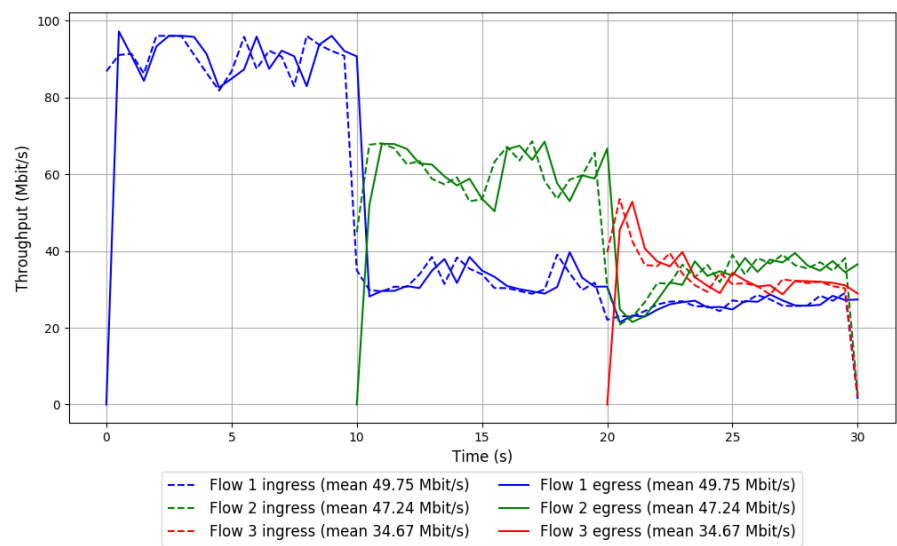


Run 8: Statistics of TCP Vegas

Start at: 2018-06-19 11:23:33
End at: 2018-06-19 11:24:03
Local clock offset: -1.998 ms
Remote clock offset: 45.524 ms

Below is generated by plot.py at 2018-06-19 12:21:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: -51.994 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: -52.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: -52.072 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: -51.149 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

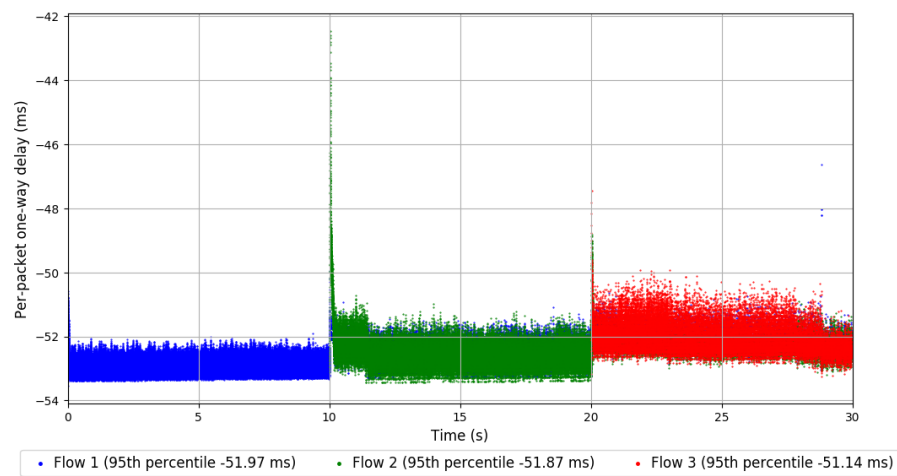
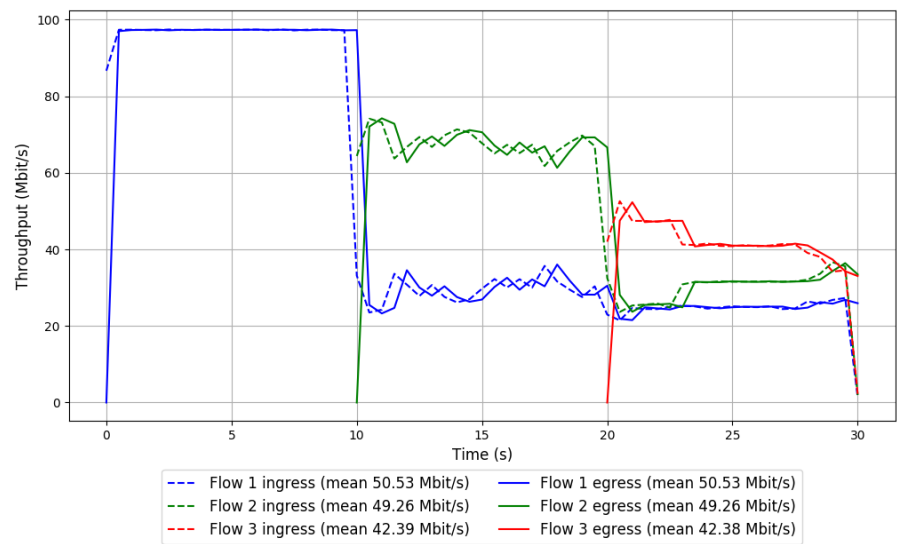


Run 9: Statistics of TCP Vegas

Start at: 2018-06-19 11:41:31
End at: 2018-06-19 11:42:01
Local clock offset: -1.705 ms
Remote clock offset: 48.997 ms

Below is generated by plot.py at 2018-06-19 12:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: -51.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: -51.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: -51.867 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: -51.142 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

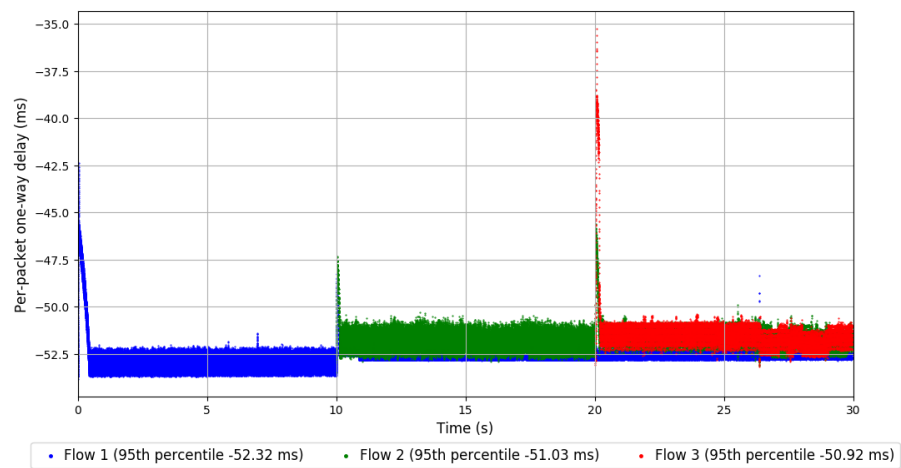
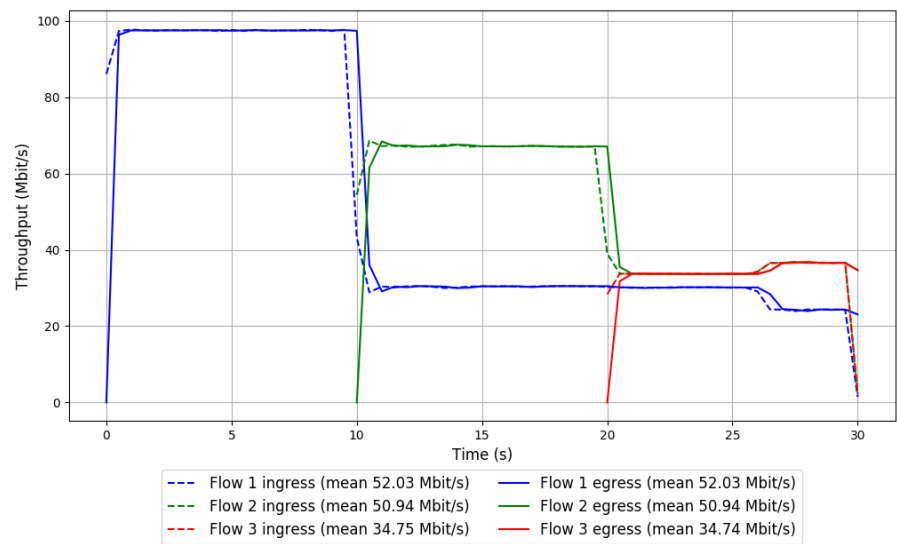


Run 10: Statistics of TCP Vegas

Start at: 2018-06-19 11:59:26
End at: 2018-06-19 11:59:56
Local clock offset: -1.766 ms
Remote clock offset: 53.376 ms

Below is generated by plot.py at 2018-06-19 12:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: -51.080 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: -52.319 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: -51.029 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: -50.919 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

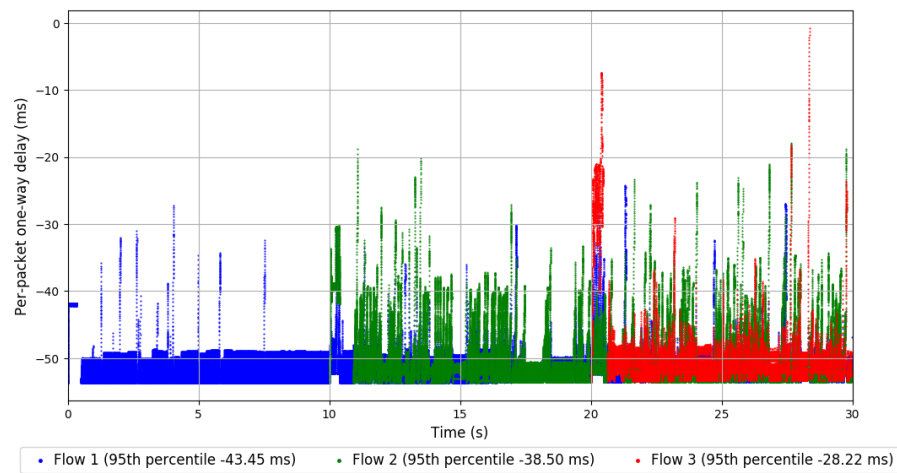
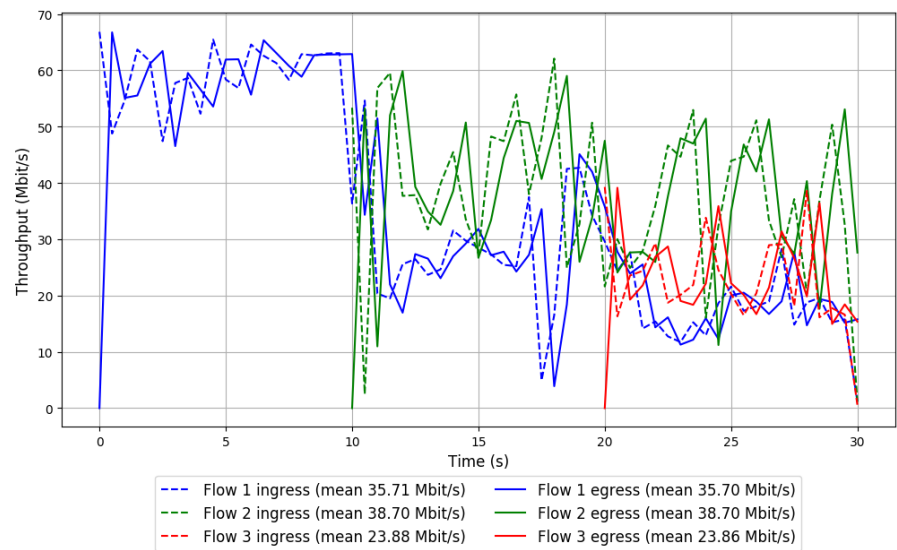


Run 1: Statistics of Verus

Start at: 2018-06-19 09:12:56
End at: 2018-06-19 09:13:26
Local clock offset: -6.146 ms
Remote clock offset: 52.785 ms

Below is generated by plot.py at 2018-06-19 12:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: -39.879 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: -43.450 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: -38.499 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: -28.220 ms
Loss rate: 0.07%

Run 1: Report of Verus — Data Link

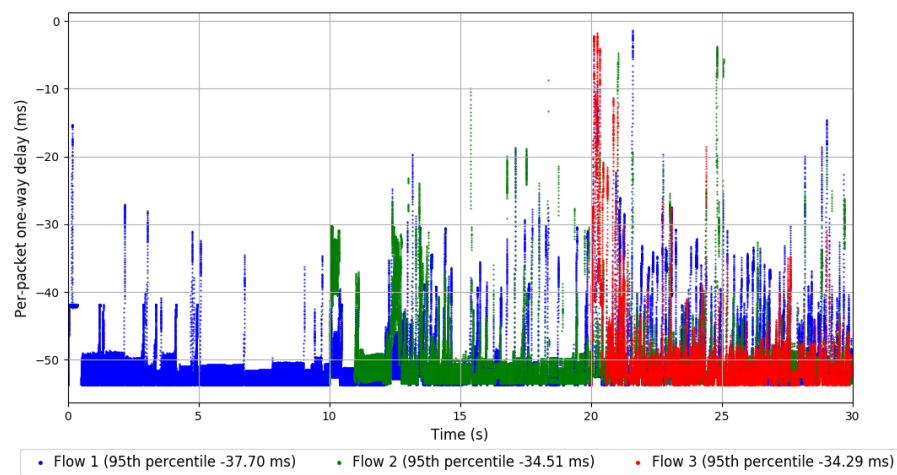
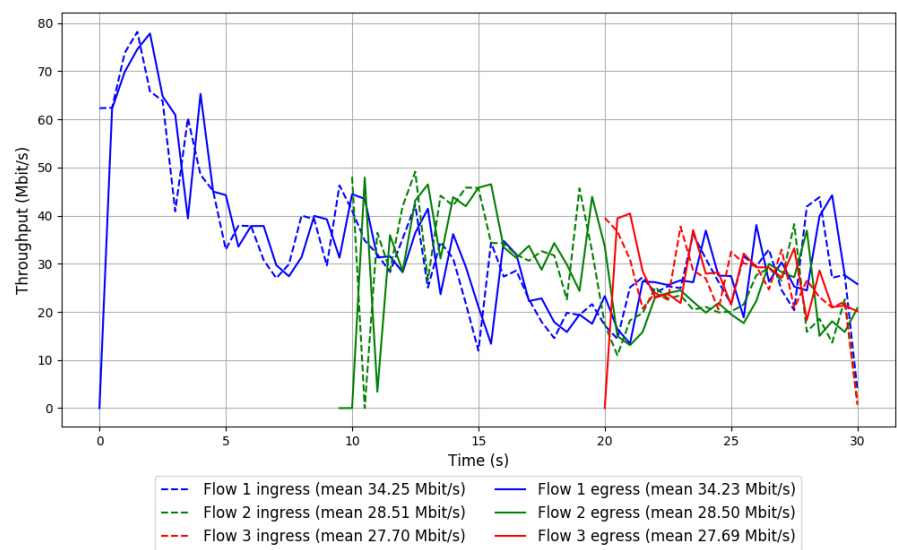


Run 2: Statistics of Verus

Start at: 2018-06-19 09:30:51
End at: 2018-06-19 09:31:21
Local clock offset: -8.708 ms
Remote clock offset: 50.303 ms

Below is generated by plot.py at 2018-06-19 12:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.42 Mbit/s
95th percentile per-packet one-way delay: -36.322 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: -37.705 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: -34.507 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: -34.289 ms
Loss rate: 0.03%

Run 2: Report of Verus — Data Link

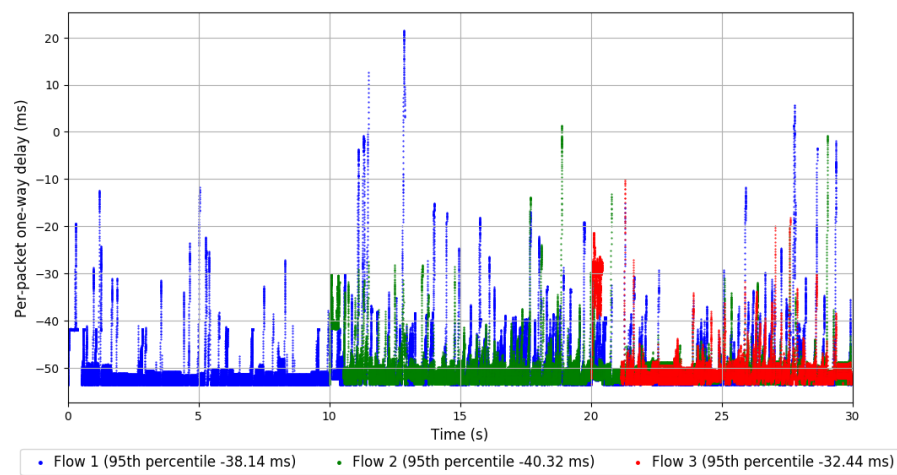
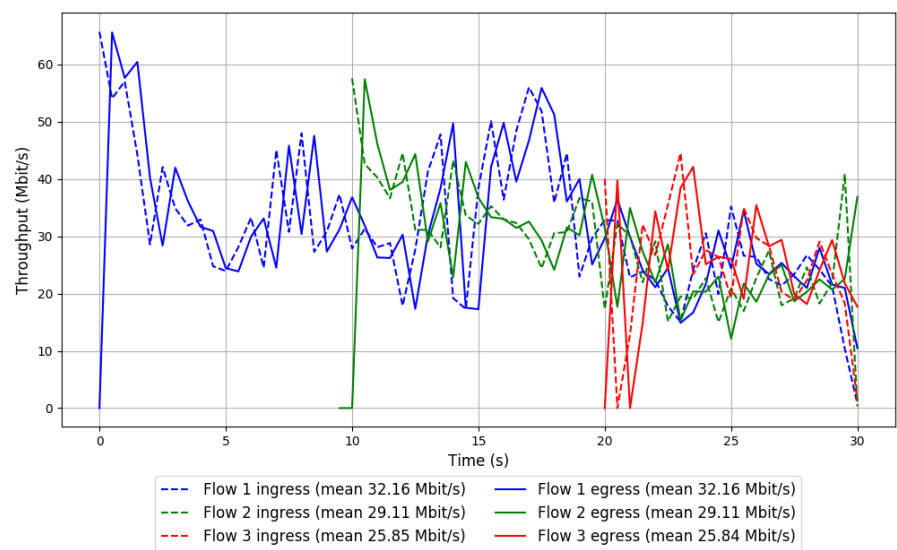


Run 3: Statistics of Verus

Start at: 2018-06-19 09:48:46
End at: 2018-06-19 09:49:16
Local clock offset: -3.712 ms
Remote clock offset: 49.233 ms

Below is generated by plot.py at 2018-06-19 12:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: -38.028 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: -38.136 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: -40.323 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: -32.441 ms
Loss rate: 0.06%

Run 3: Report of Verus — Data Link

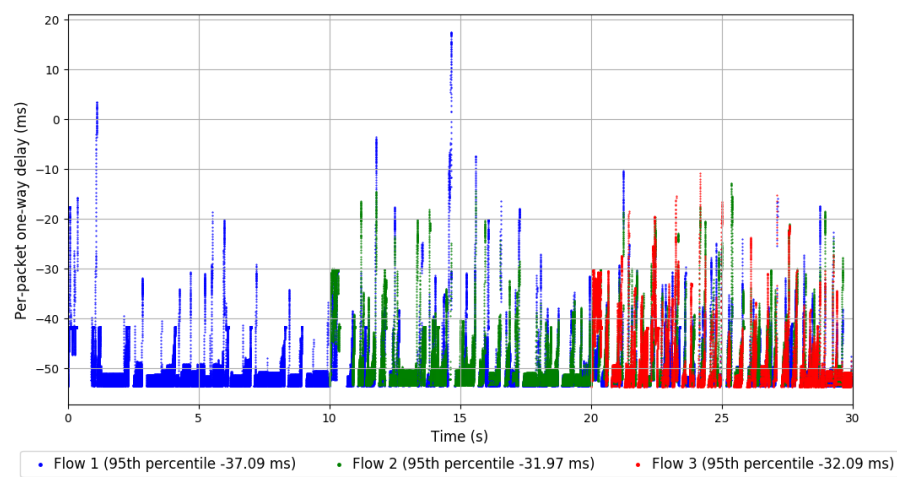
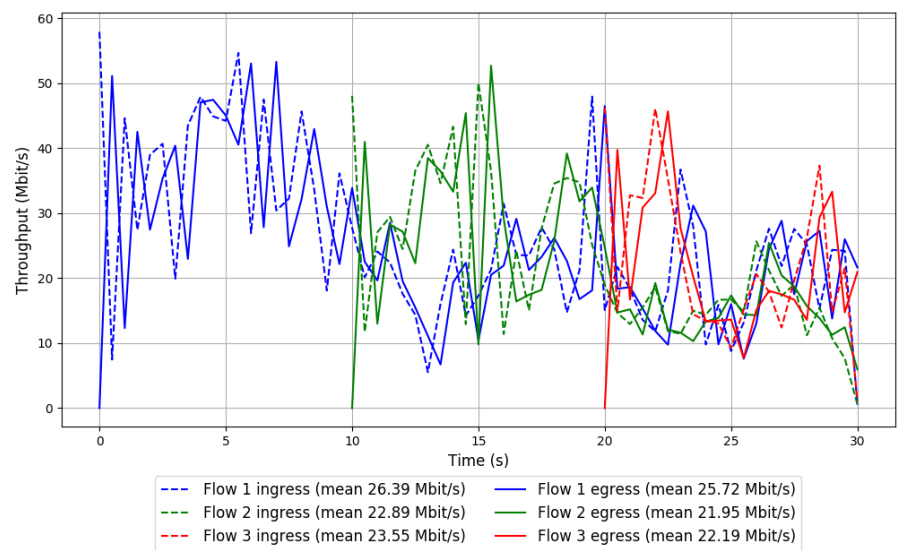


Run 4: Statistics of Verus

Start at: 2018-06-19 10:06:39
End at: 2018-06-19 10:07:09
Local clock offset: -2.126 ms
Remote clock offset: 51.792 ms

Below is generated by plot.py at 2018-06-19 12:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: -33.807 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: -37.086 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: -31.970 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: -32.088 ms
Loss rate: 5.83%

Run 4: Report of Verus — Data Link

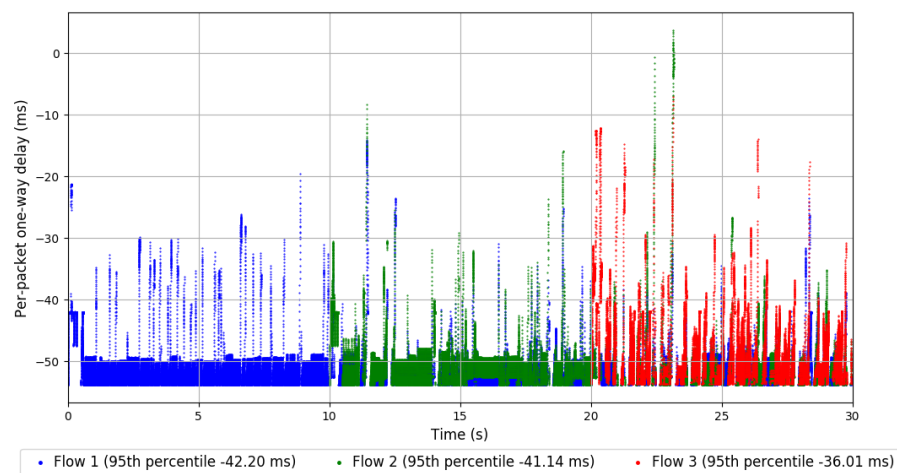
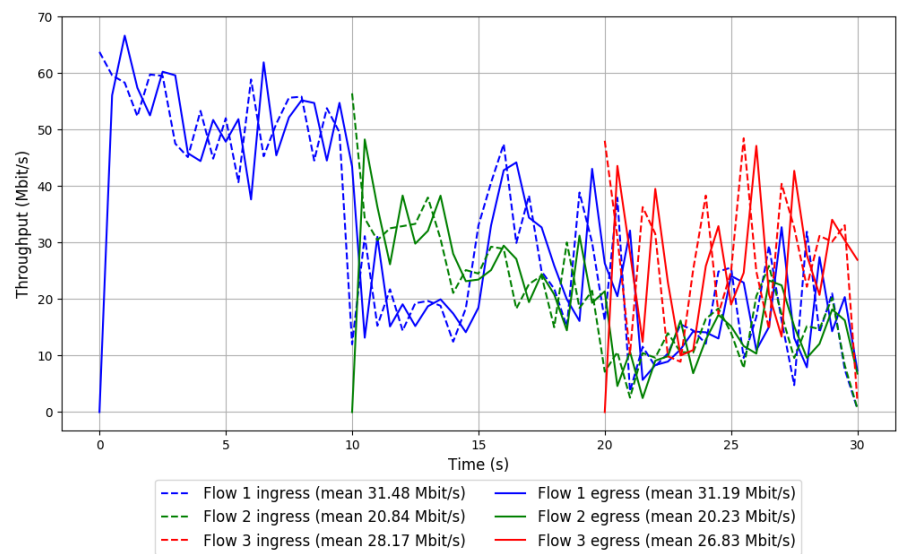


Run 5: Statistics of Verus

Start at: 2018-06-19 10:24:28
End at: 2018-06-19 10:24:58
Local clock offset: -0.757 ms
Remote clock offset: 53.152 ms

Below is generated by plot.py at 2018-06-19 12:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: -41.851 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: -42.201 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: -41.138 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: -36.012 ms
Loss rate: 4.83%

Run 5: Report of Verus — Data Link

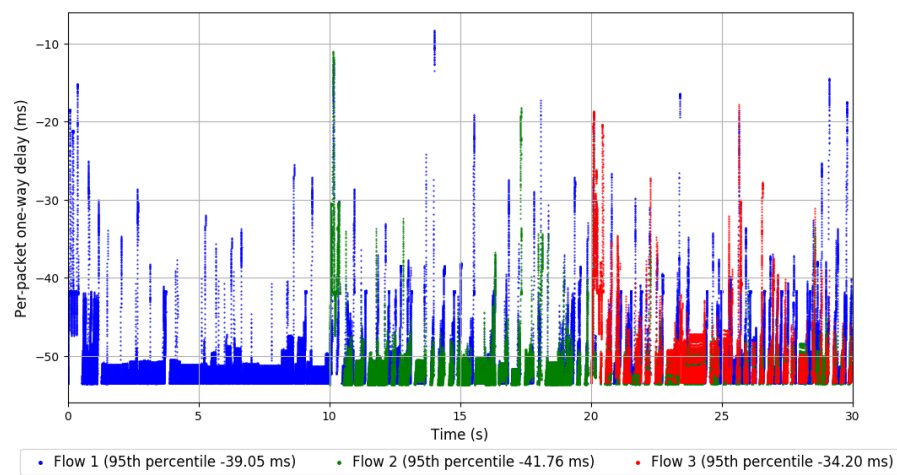
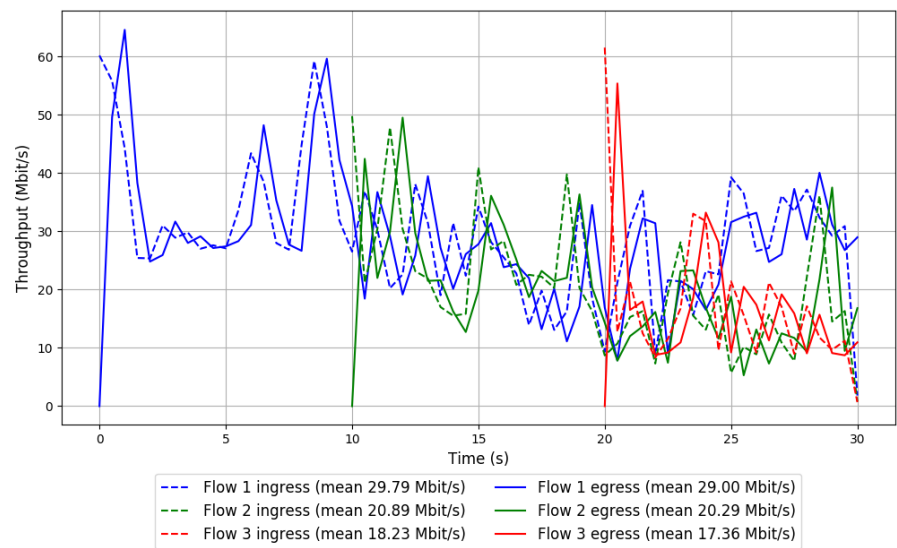


Run 6: Statistics of Verus

Start at: 2018-06-19 10:42:19
End at: 2018-06-19 10:42:49
Local clock offset: -5.022 ms
Remote clock offset: 47.143 ms

Below is generated by plot.py at 2018-06-19 12:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: -38.941 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: -39.052 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: -41.763 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: -34.201 ms
Loss rate: 4.81%

Run 6: Report of Verus — Data Link

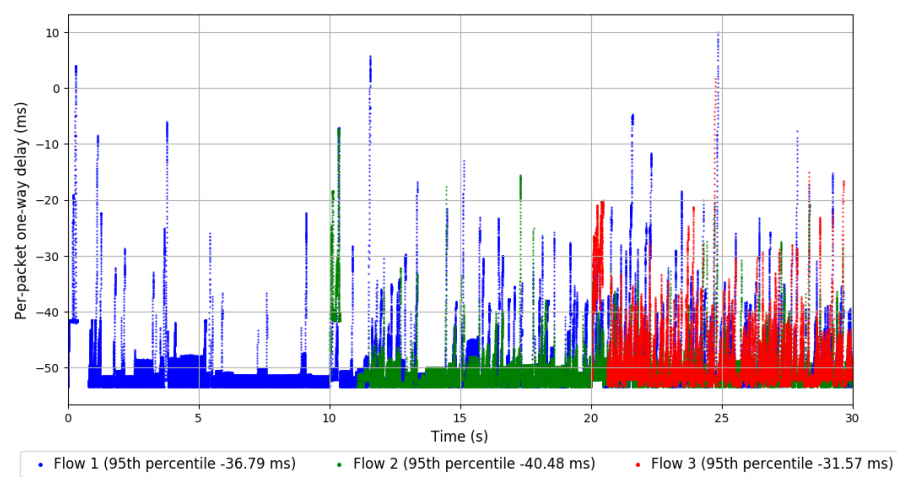
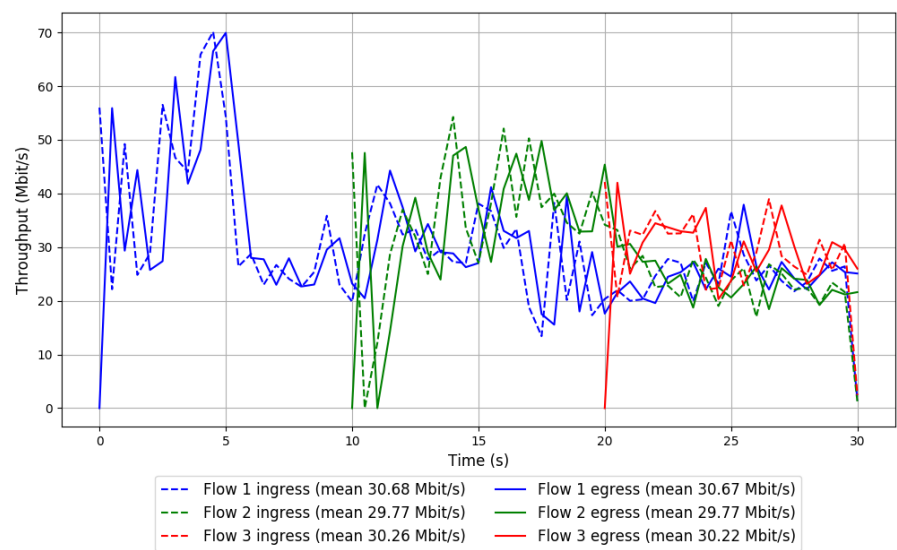


Run 7: Statistics of Verus

Start at: 2018-06-19 11:00:12
End at: 2018-06-19 11:00:42
Local clock offset: -8.185 ms
Remote clock offset: 44.332 ms

Below is generated by plot.py at 2018-06-19 12:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: -37.340 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: -36.793 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: -40.481 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: -31.571 ms
Loss rate: 0.15%

Run 7: Report of Verus — Data Link

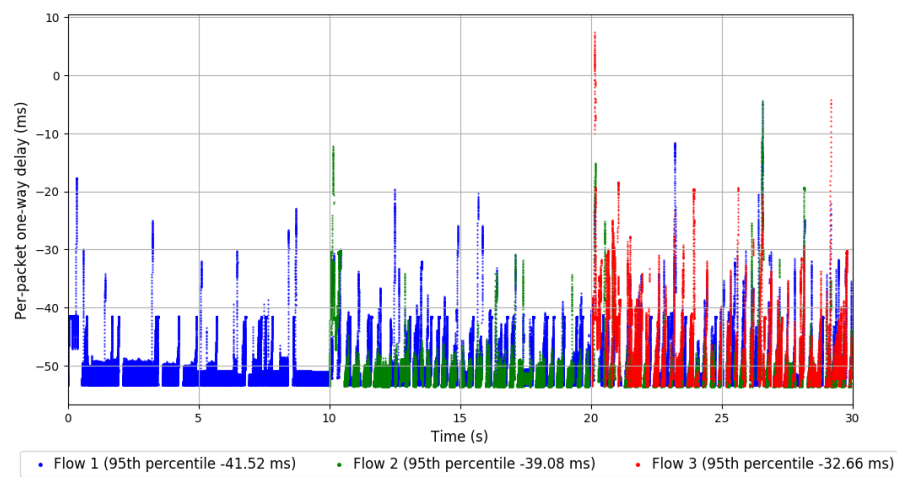
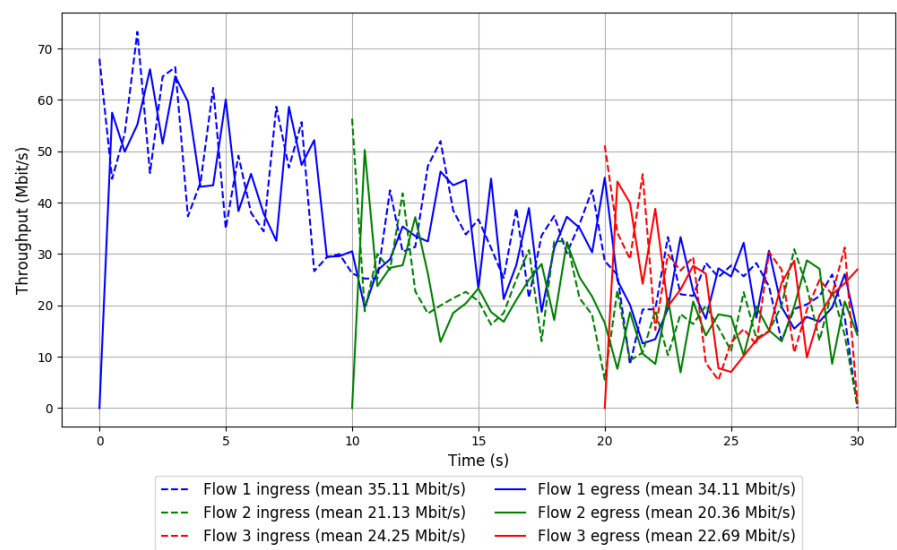


Run 8: Statistics of Verus

Start at: 2018-06-19 11:18:03
End at: 2018-06-19 11:18:33
Local clock offset: -2.766 ms
Remote clock offset: 45.603 ms

Below is generated by plot.py at 2018-06-19 12:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: -38.470 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: -41.516 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: -39.079 ms
Loss rate: 3.67%
-- Flow 3:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: -32.663 ms
Loss rate: 6.47%

Run 8: Report of Verus — Data Link

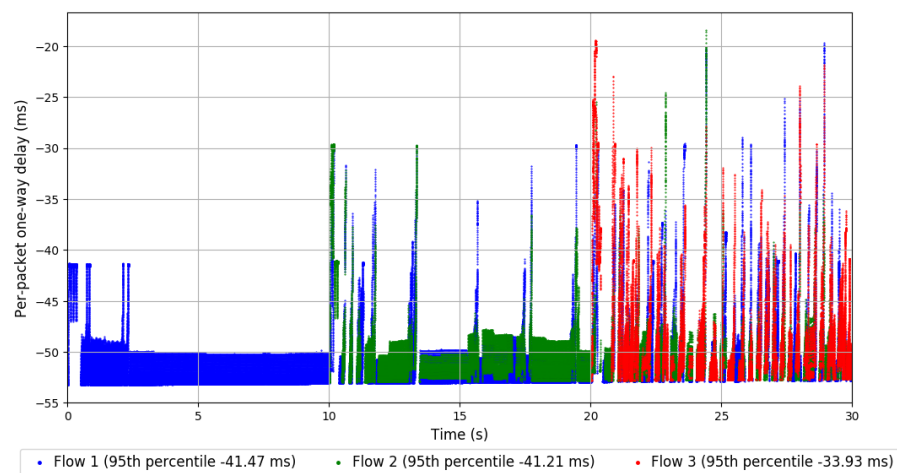
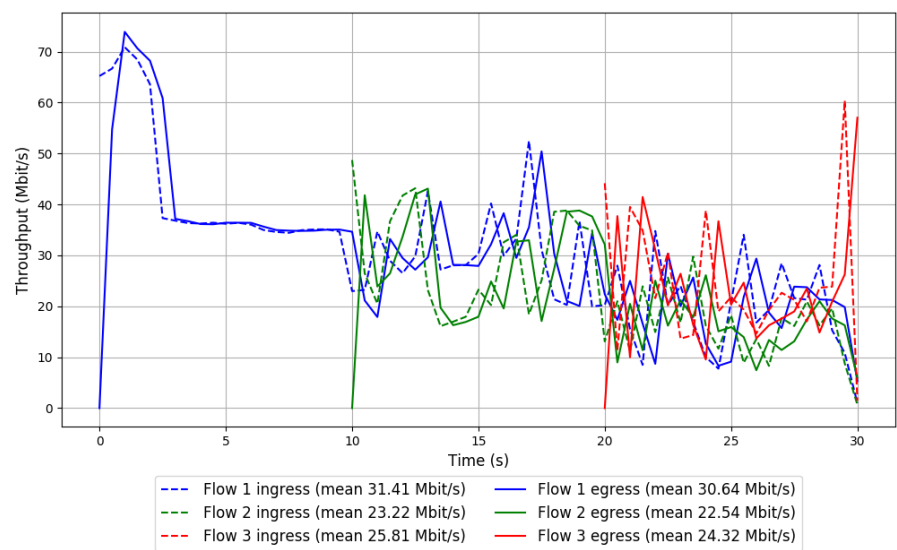


Run 9: Statistics of Verus

Start at: 2018-06-19 11:35:59
End at: 2018-06-19 11:36:29
Local clock offset: -1.384 ms
Remote clock offset: 45.305 ms

Below is generated by plot.py at 2018-06-19 12:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: -40.748 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: -41.472 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: -41.213 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: -33.926 ms
Loss rate: 5.79%

Run 9: Report of Verus — Data Link

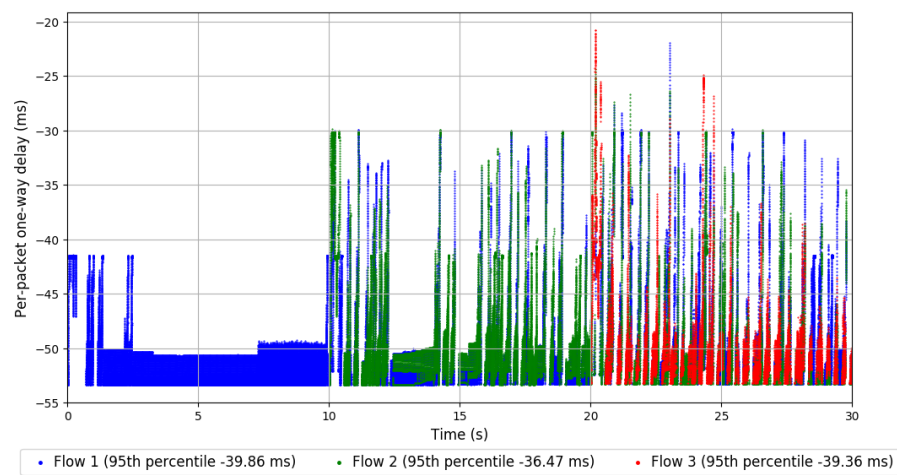
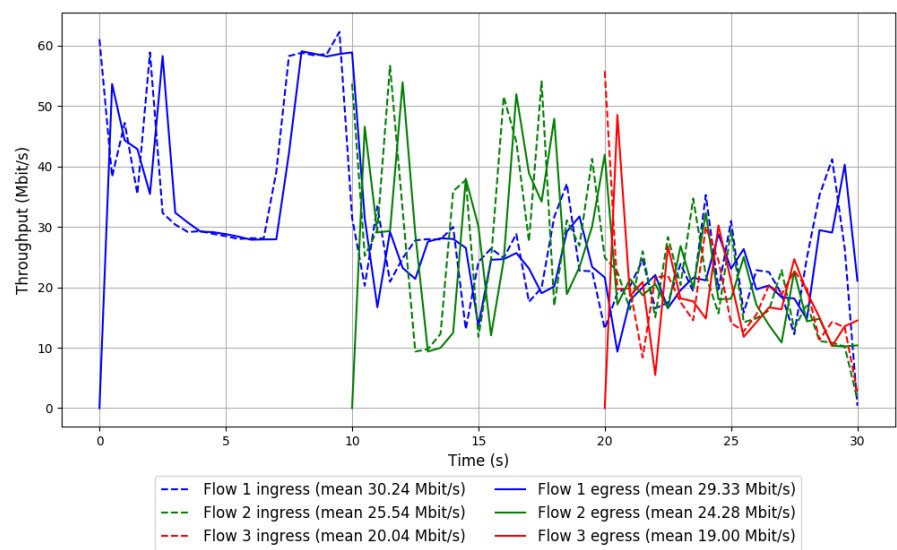


Run 10: Statistics of Verus

Start at: 2018-06-19 11:53:56
End at: 2018-06-19 11:54:26
Local clock offset: -1.83 ms
Remote clock offset: 52.296 ms

Below is generated by plot.py at 2018-06-19 12:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: -38.434 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: -39.863 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: -36.470 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: -39.358 ms
Loss rate: 5.20%

Run 10: Report of Verus — Data Link

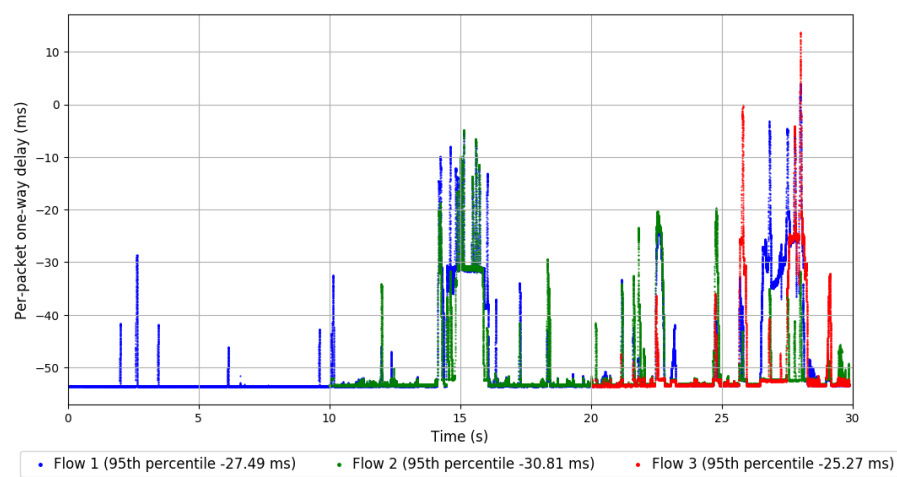
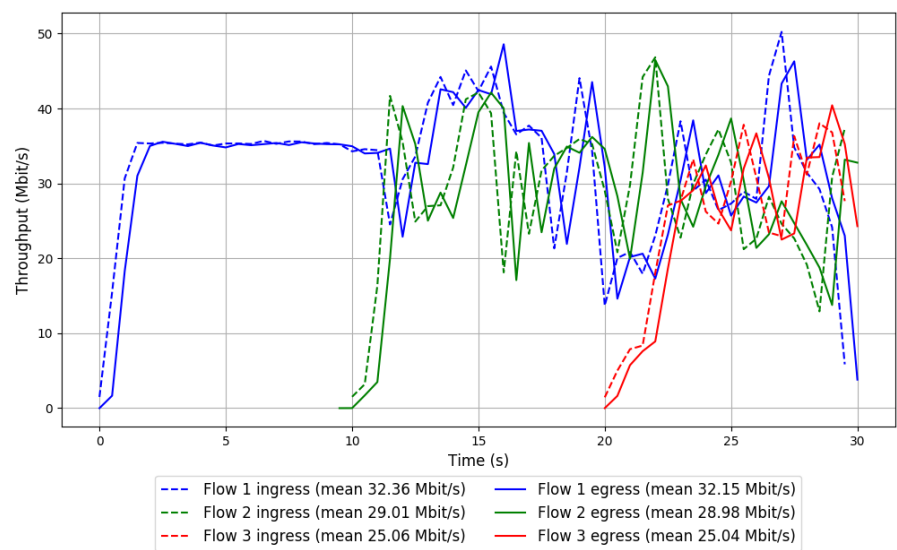


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-19 09:11:49
End at: 2018-06-19 09:12:19
Local clock offset: -5.841 ms
Remote clock offset: 52.647 ms

Below is generated by plot.py at 2018-06-19 12:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: -26.650 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: -27.490 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: -30.813 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: -25.275 ms
Loss rate: 0.15%

Run 1: Report of PCC-Vivace — Data Link

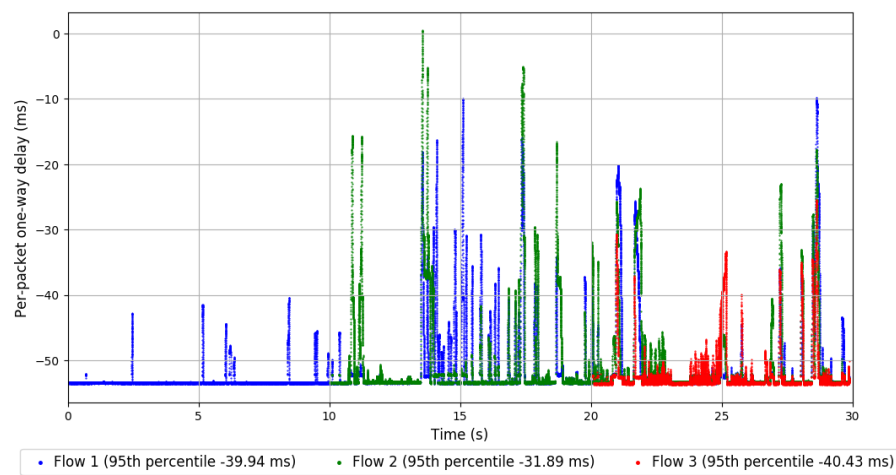
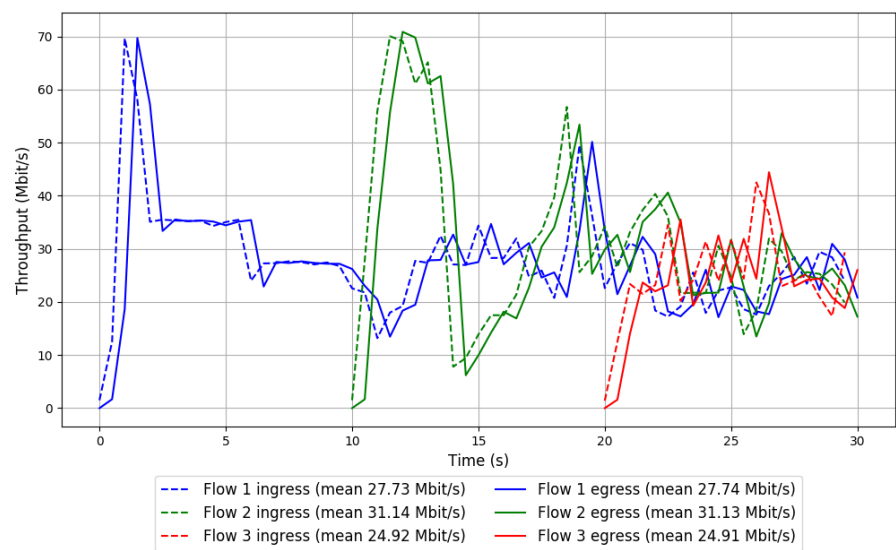


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-19 09:29:44
End at: 2018-06-19 09:30:14
Local clock offset: -8.59 ms
Remote clock offset: 50.269 ms

Below is generated by plot.py at 2018-06-19 12:22:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: -36.789 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: -39.941 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: -31.889 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: -40.427 ms
Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link

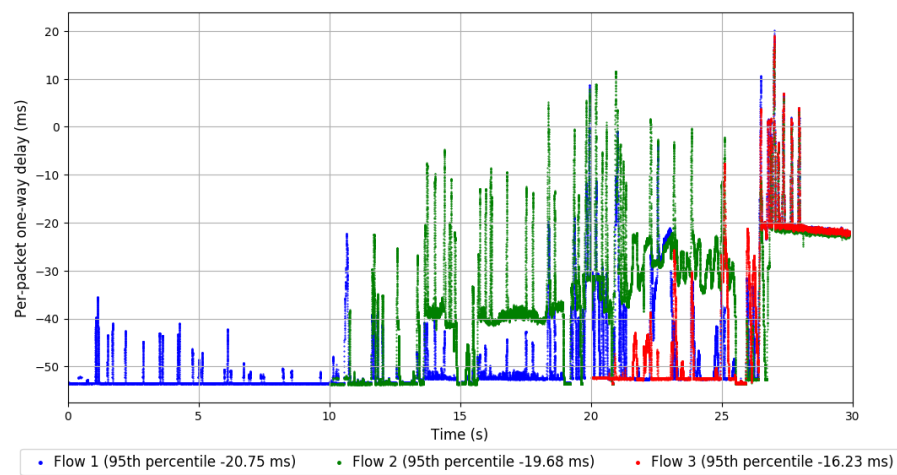
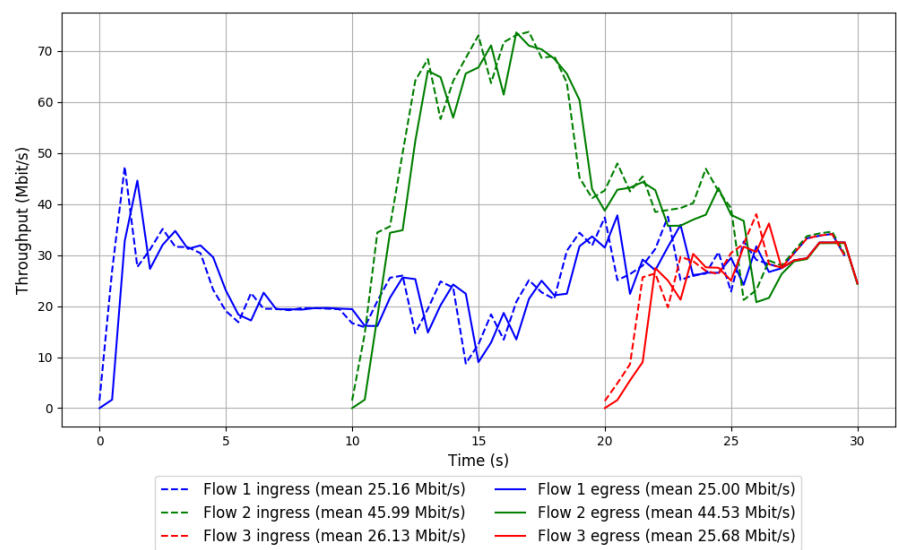


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-19 09:47:39
End at: 2018-06-19 09:48:09
Local clock offset: -3.915 ms
Remote clock offset: 49.232 ms

Below is generated by plot.py at 2018-06-19 12:23:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: -20.437 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: -20.754 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: -19.682 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: -16.234 ms
Loss rate: 1.89%

Run 3: Report of PCC-Vivace — Data Link

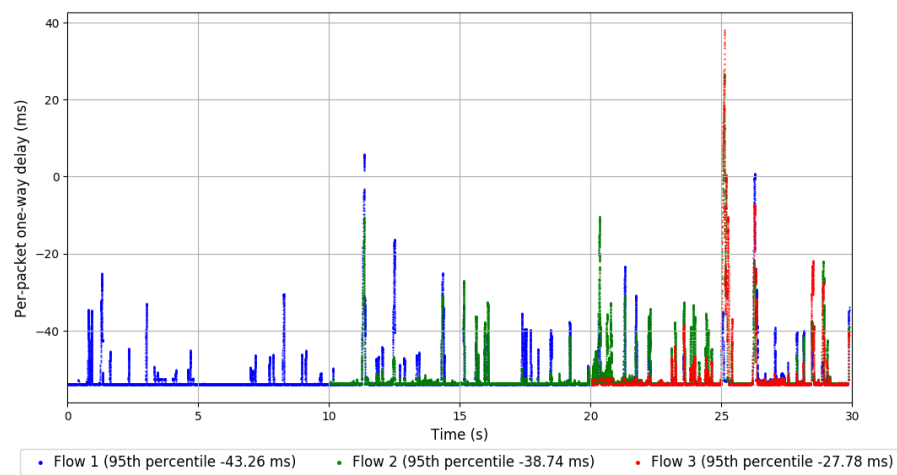
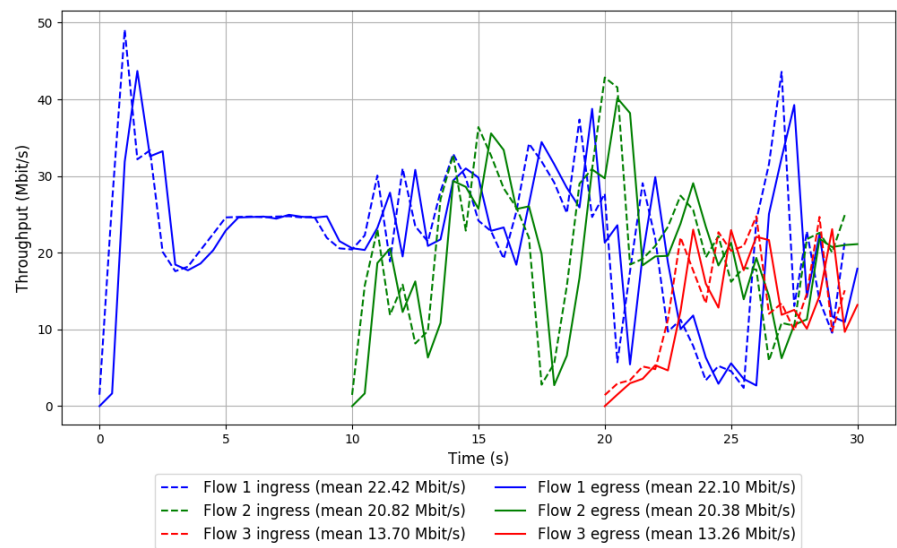


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-19 10:05:32
End at: 2018-06-19 10:06:02
Local clock offset: -2.269 ms
Remote clock offset: 51.952 ms

Below is generated by plot.py at 2018-06-19 12:23:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: -40.104 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: -43.261 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: -38.743 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: -27.783 ms
Loss rate: 3.22%

Run 4: Report of PCC-Vivace — Data Link

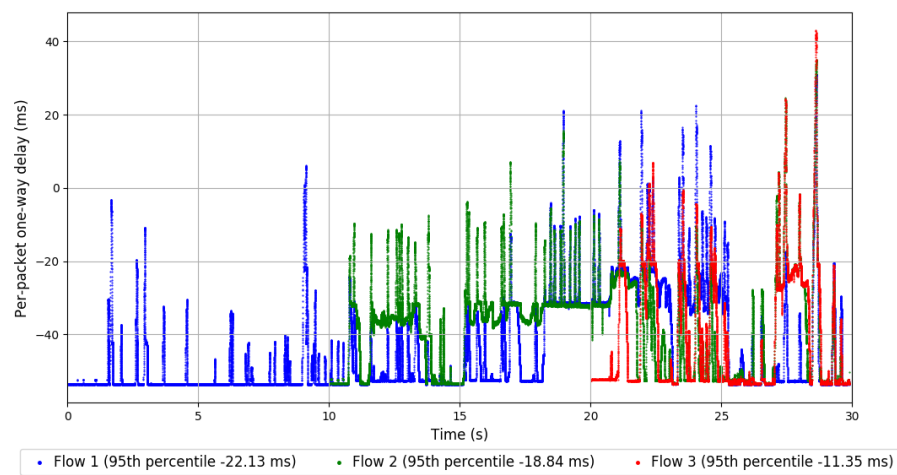
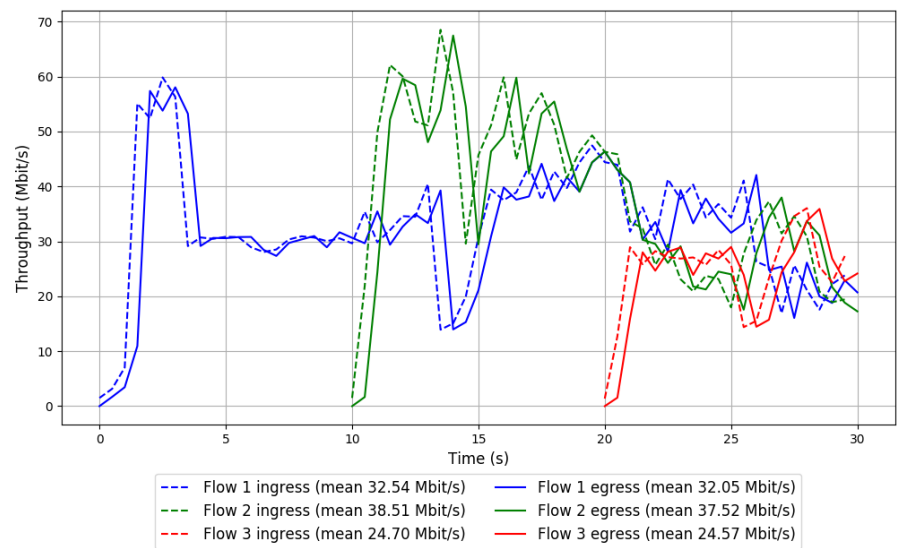


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-19 10:23:21
End at: 2018-06-19 10:23:51
Local clock offset: -0.809 ms
Remote clock offset: 52.829 ms

Below is generated by plot.py at 2018-06-19 12:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: -19.710 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: -22.129 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: -18.840 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: -11.346 ms
Loss rate: 0.58%

Run 5: Report of PCC-Vivace — Data Link

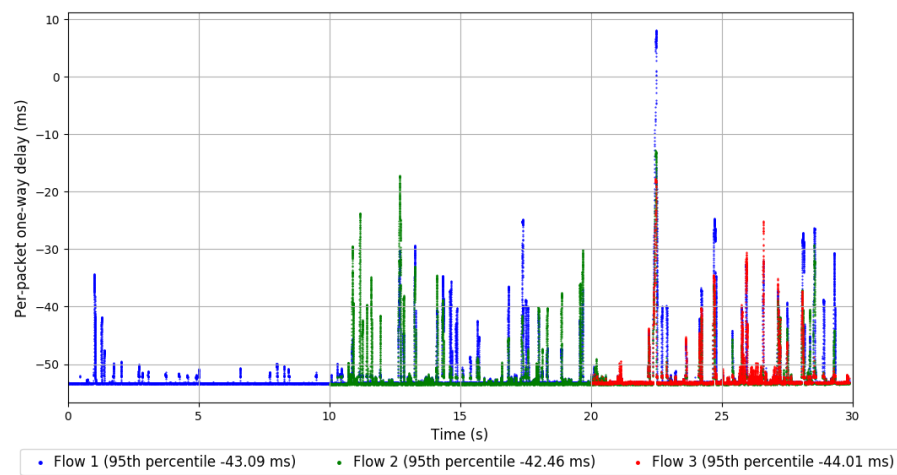
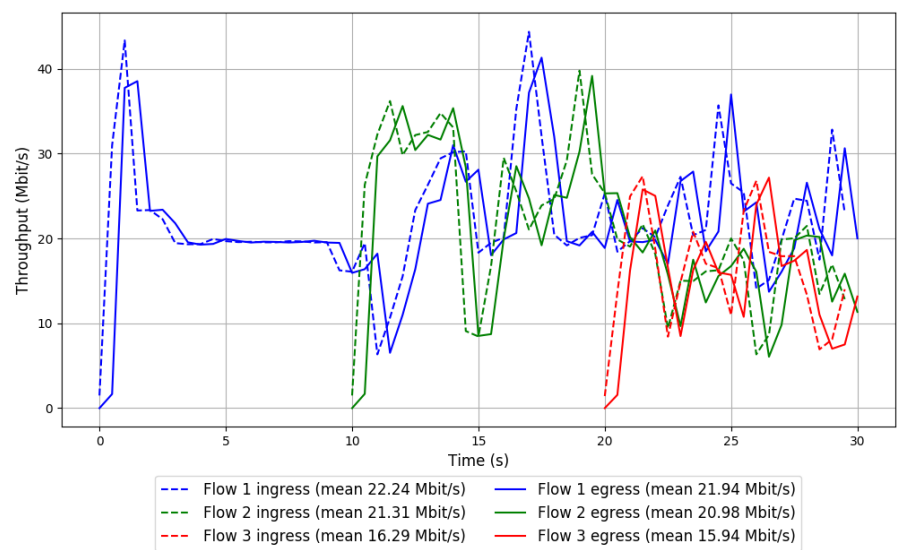


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-19 10:41:13
End at: 2018-06-19 10:41:43
Local clock offset: -4.559 ms
Remote clock offset: 47.189 ms

Below is generated by plot.py at 2018-06-19 12:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.16 Mbit/s
95th percentile per-packet one-way delay: -42.976 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: -43.090 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: -42.459 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: -44.006 ms
Loss rate: 2.13%

Run 6: Report of PCC-Vivace — Data Link

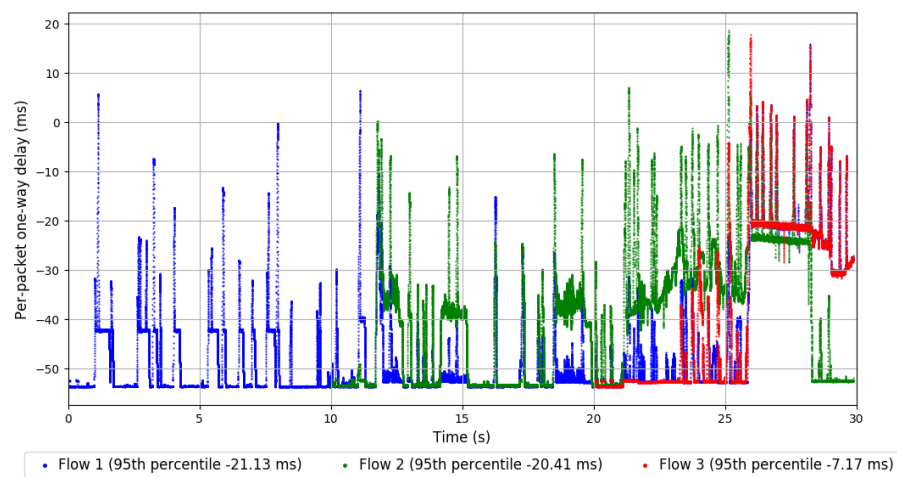
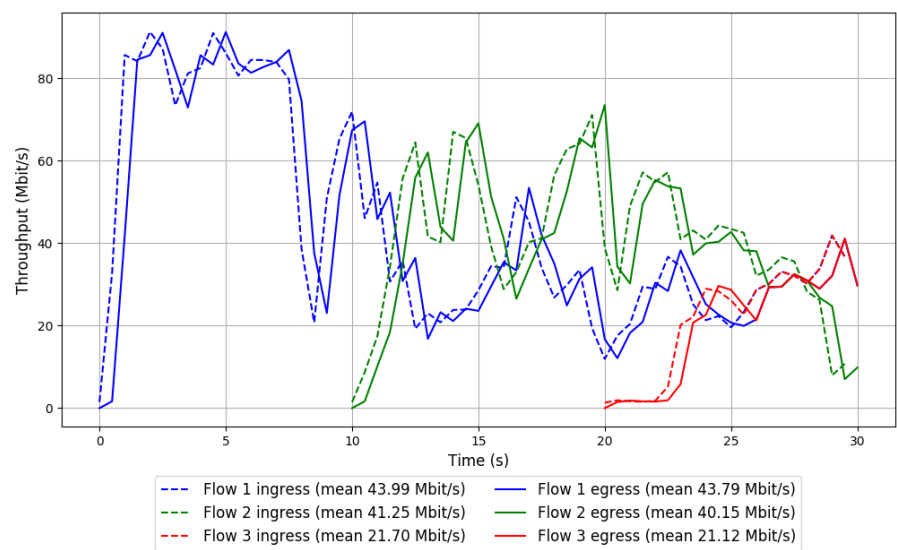


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-19 10:59:03
End at: 2018-06-19 10:59:33
Local clock offset: -8.106 ms
Remote clock offset: 44.467 ms

Below is generated by plot.py at 2018-06-19 12:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: -20.617 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: -21.128 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: -20.415 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: -7.169 ms
Loss rate: 2.80%

Run 7: Report of PCC-Vivace — Data Link

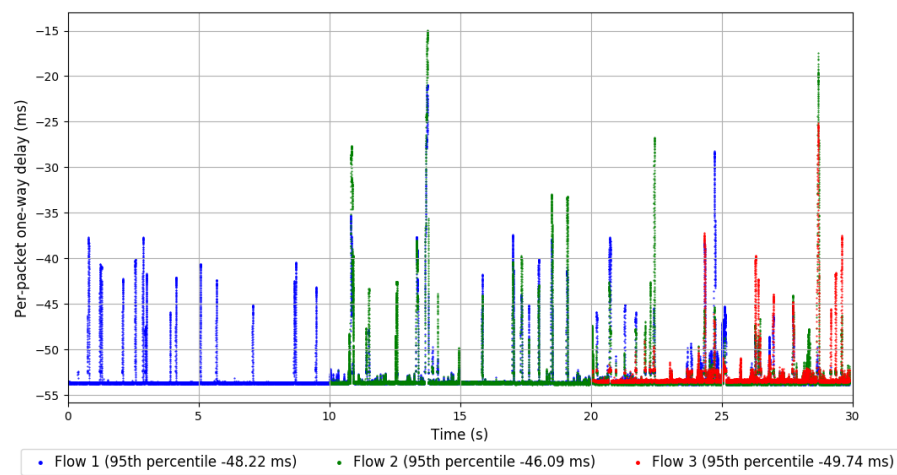
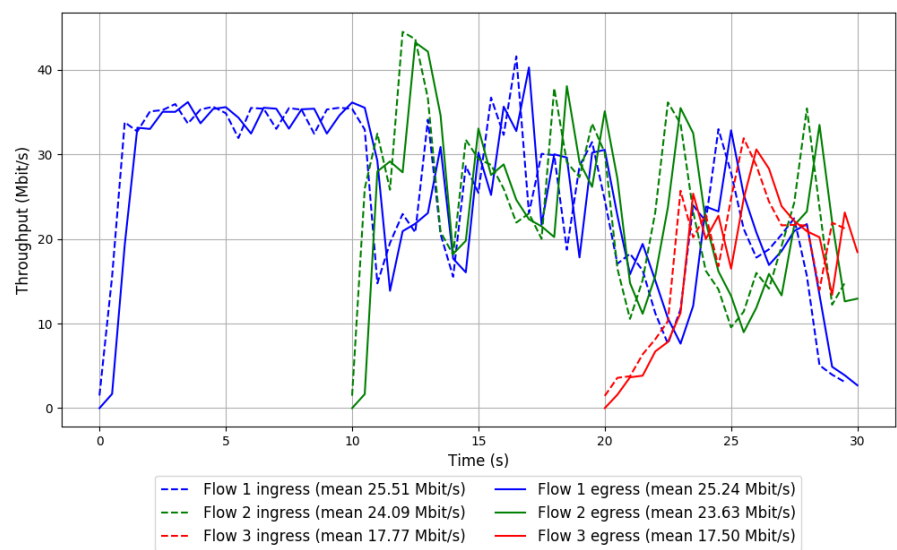


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-19 11:16:57
End at: 2018-06-19 11:17:27
Local clock offset: -2.975 ms
Remote clock offset: 45.605 ms

Below is generated by plot.py at 2018-06-19 12:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: -47.660 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: -48.218 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: -46.085 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: -49.736 ms
Loss rate: 1.61%

Run 8: Report of PCC-Vivace — Data Link

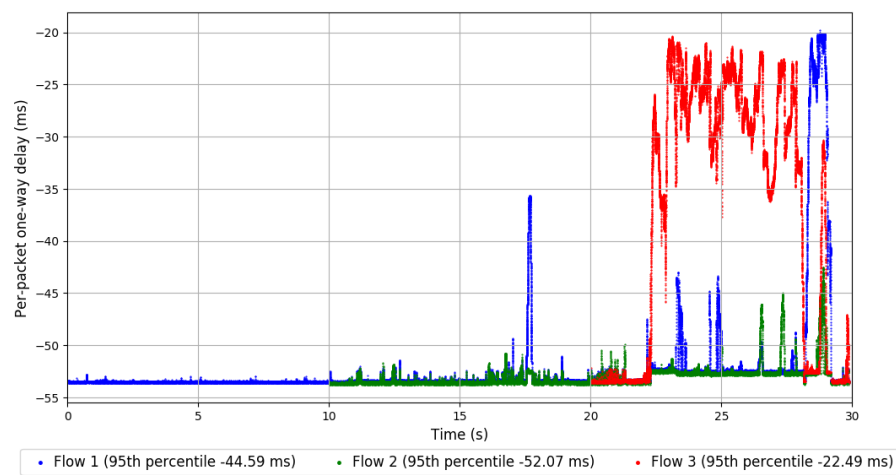
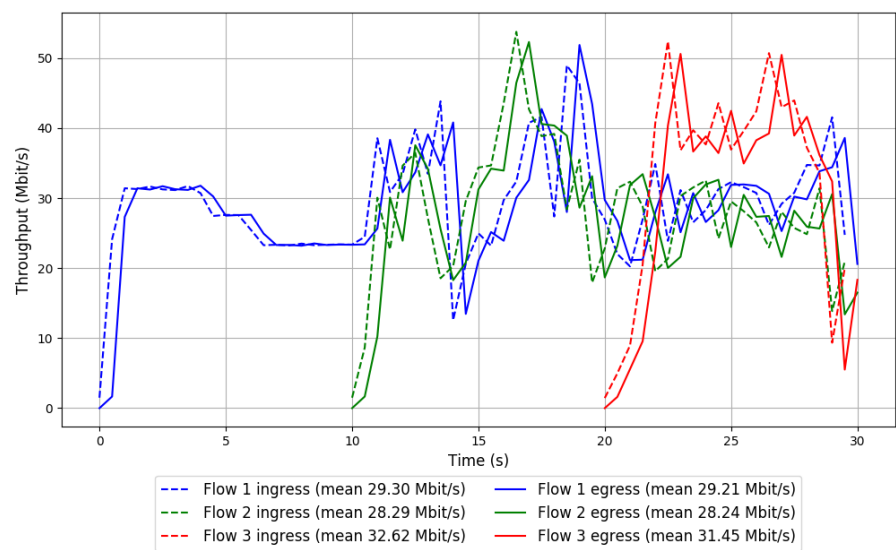


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-19 11:34:52
End at: 2018-06-19 11:35:22
Local clock offset: -1.291 ms
Remote clock offset: 45.356 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: -25.136 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: -44.589 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: -52.070 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: -22.488 ms
Loss rate: 3.62%

Run 9: Report of PCC-Vivace — Data Link

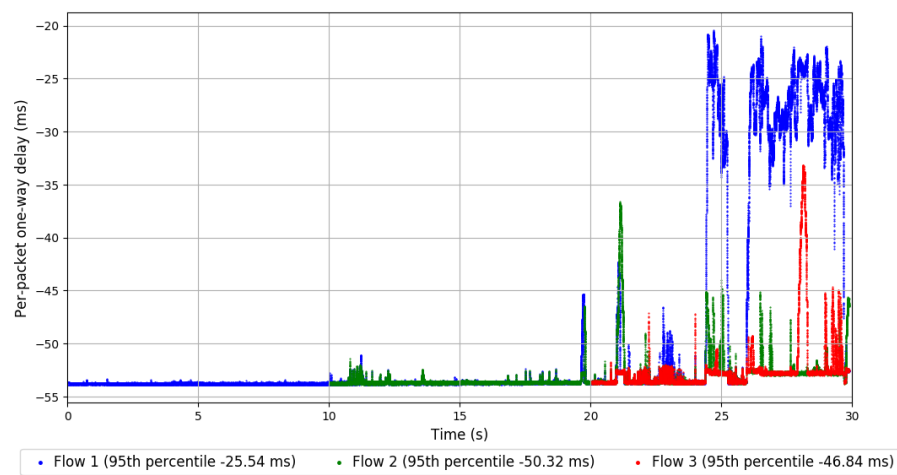
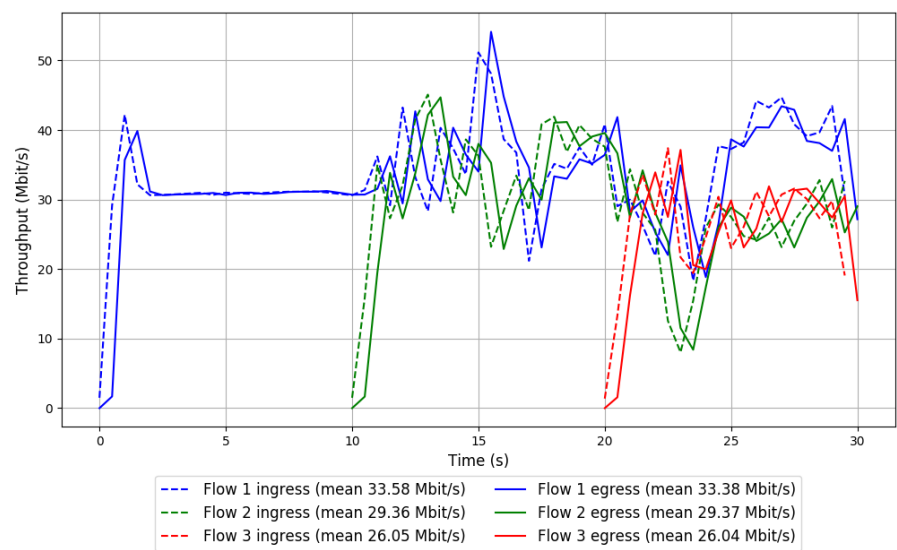


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-19 11:52:49
End at: 2018-06-19 11:53:19
Local clock offset: -1.817 ms
Remote clock offset: 52.371 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: -27.953 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: -25.536 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: -50.321 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: -46.839 ms
Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link

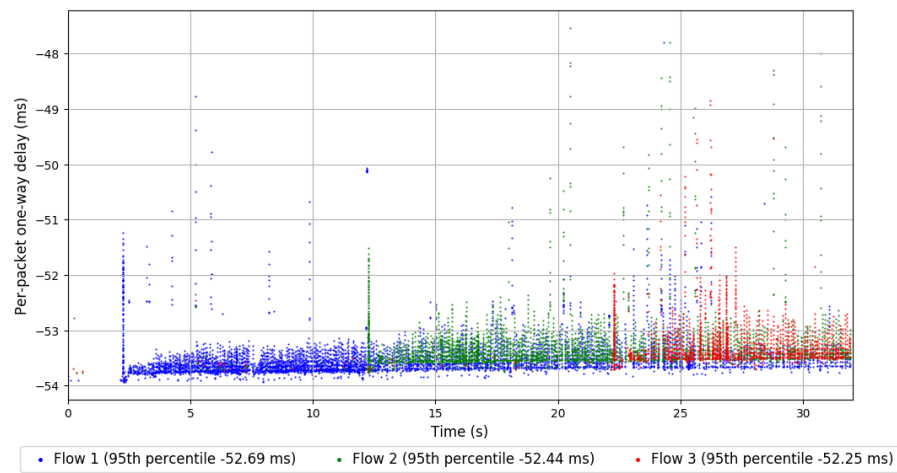
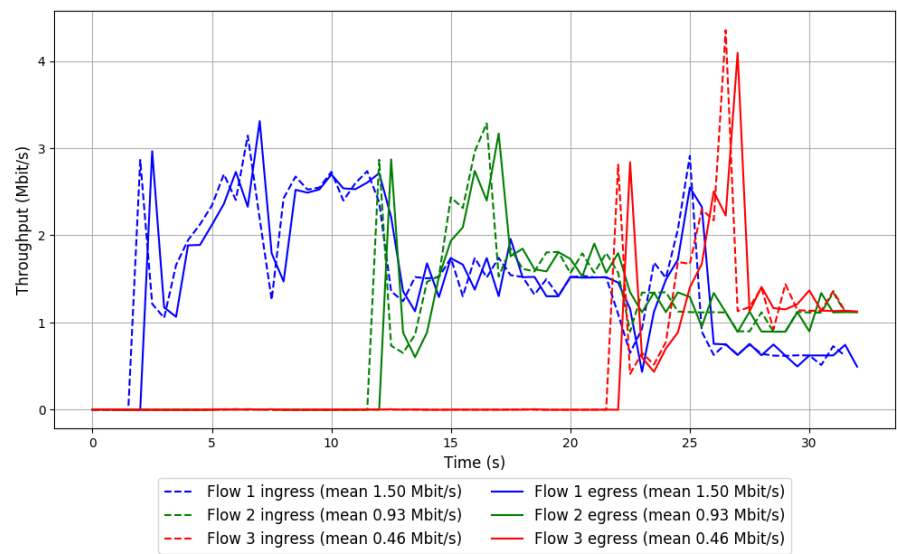


Run 1: Statistics of WebRTC media

Start at: 2018-06-19 09:15:11
End at: 2018-06-19 09:15:41
Local clock offset: -6.728 ms
Remote clock offset: 52.896 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: -52.506 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -52.688 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: -52.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: -52.254 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-19 09:33:06

End at: 2018-06-19 09:33:36

Local clock offset: -8.873 ms

Remote clock offset: 50.22 ms

Below is generated by plot.py at 2018-06-19 12:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: -52.208 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: -52.369 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: -52.075 ms

Loss rate: 0.00%

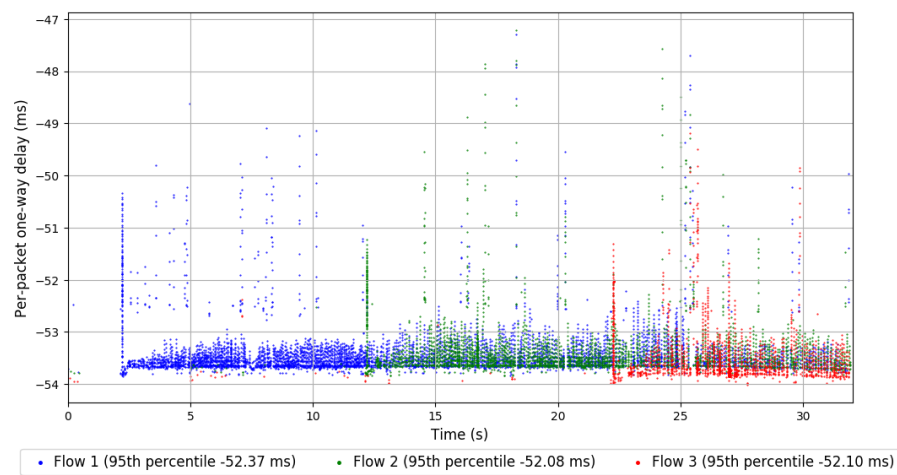
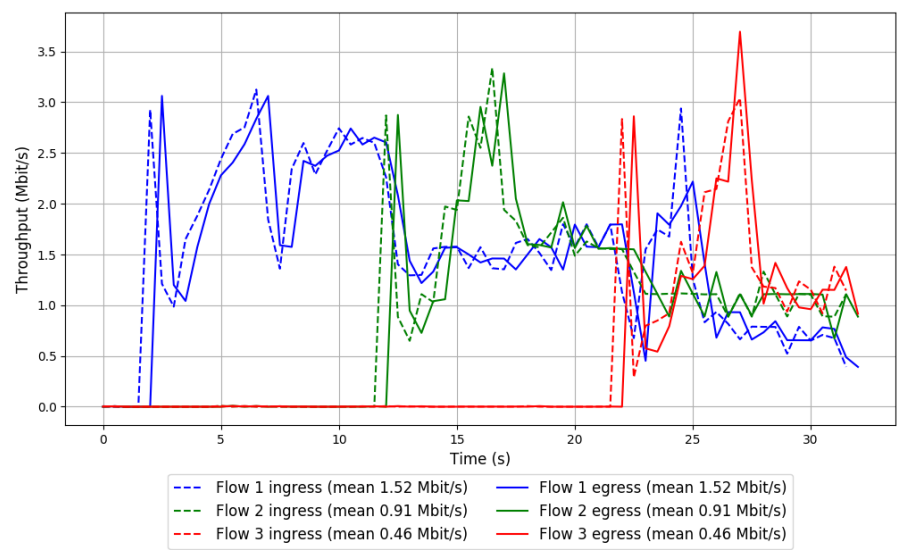
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: -52.104 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

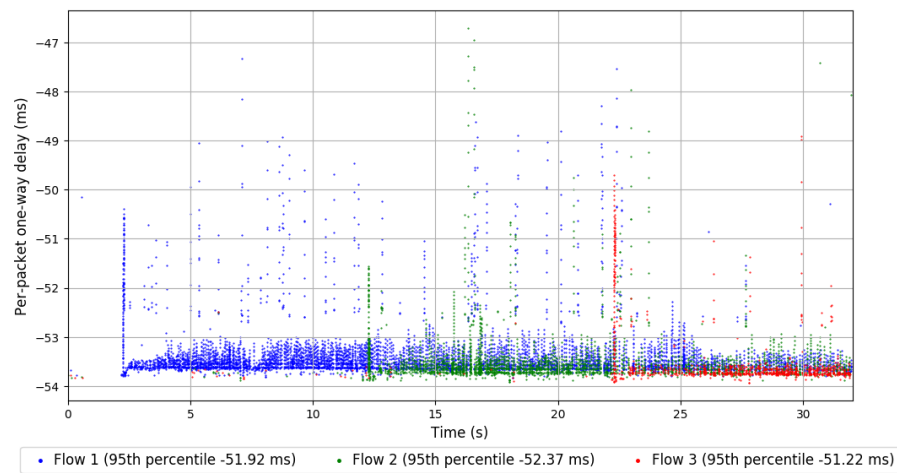
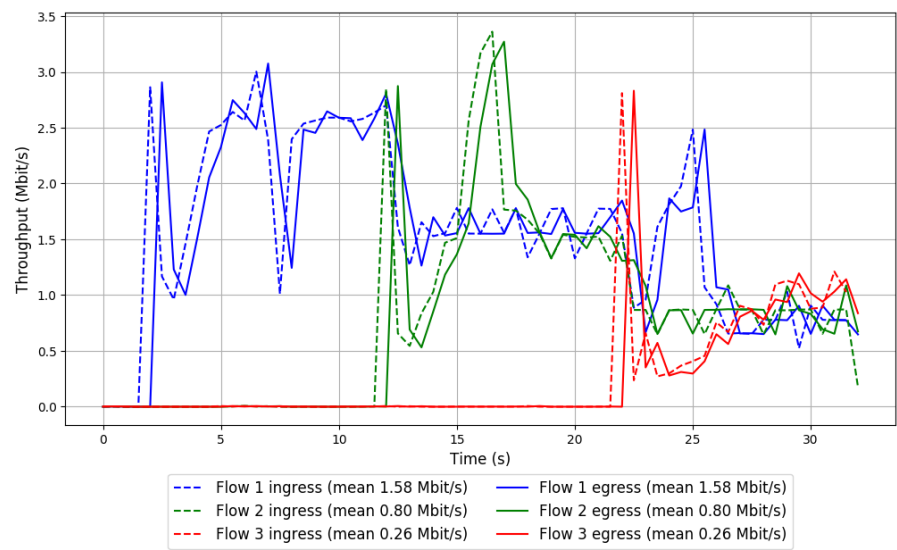


Run 3: Statistics of WebRTC media

Start at: 2018-06-19 09:51:01
End at: 2018-06-19 09:51:31
Local clock offset: -3.433 ms
Remote clock offset: 49.526 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: -51.945 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: -51.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: -52.365 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: -51.217 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

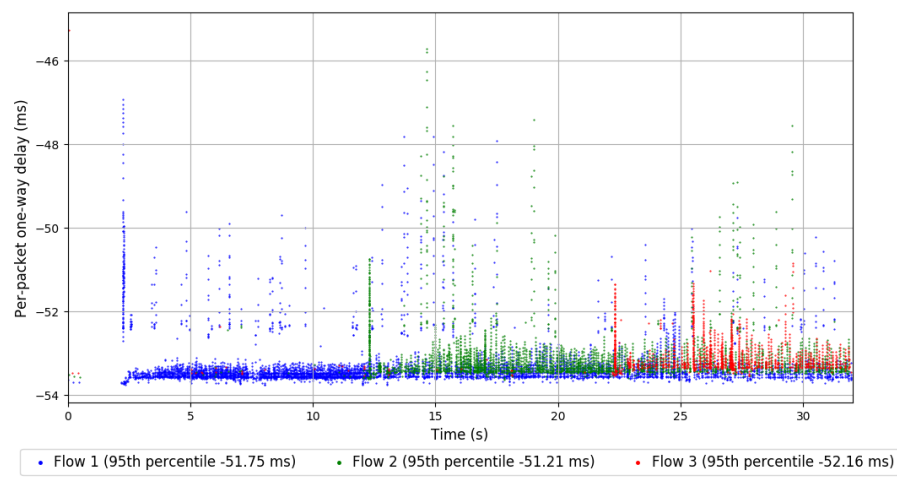
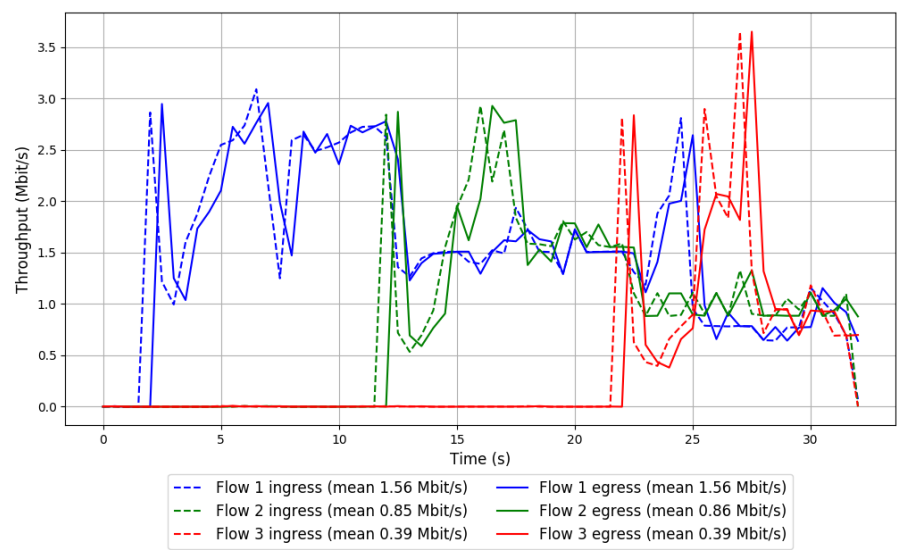


Run 4: Statistics of WebRTC media

Start at: 2018-06-19 10:08:52
End at: 2018-06-19 10:09:22
Local clock offset: -1.877 ms
Remote clock offset: 51.982 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: -51.726 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: -51.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: -51.211 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: -52.162 ms
Loss rate: 0.39%

Run 4: Report of WebRTC media — Data Link

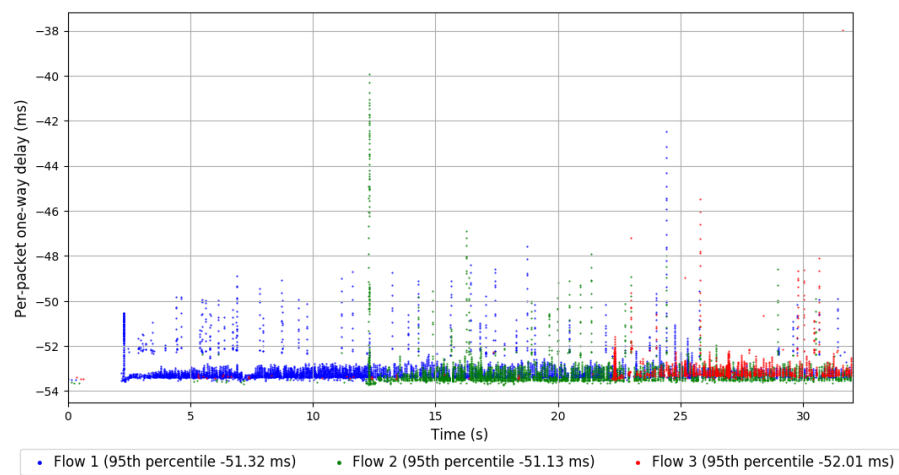
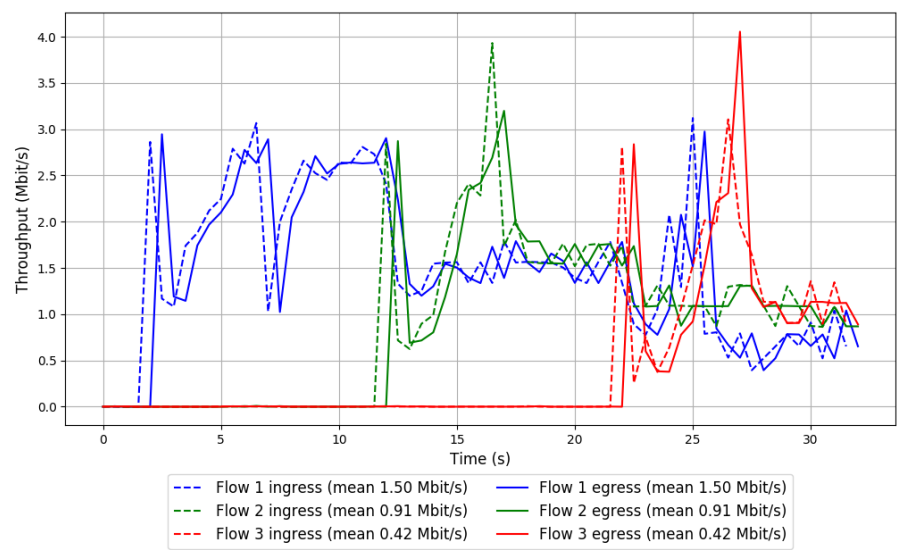


Run 5: Statistics of WebRTC media

Start at: 2018-06-19 10:26:42
End at: 2018-06-19 10:27:12
Local clock offset: -0.726 ms
Remote clock offset: 52.865 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: -51.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -51.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: -51.134 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -52.012 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-19 10:44:33

End at: 2018-06-19 10:45:03

Local clock offset: -5.701 ms

Remote clock offset: 46.48 ms

Below is generated by plot.py at 2018-06-19 12:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: -51.625 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: -51.640 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: -51.451 ms

Loss rate: 0.00%

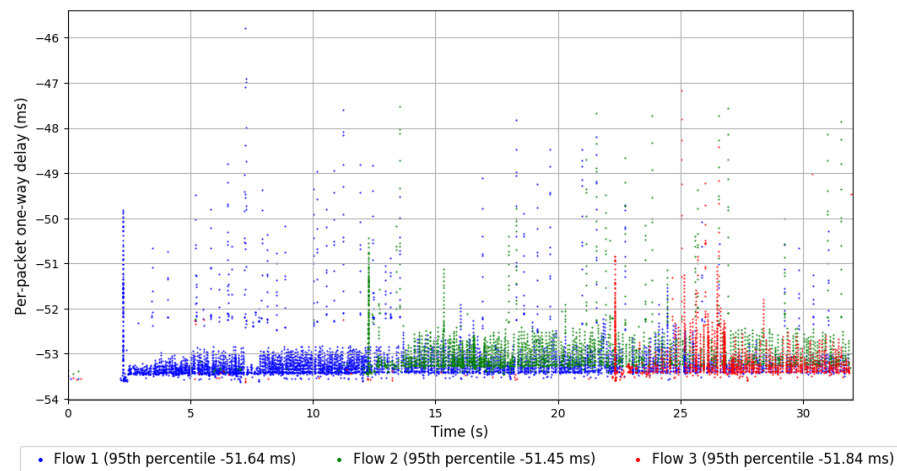
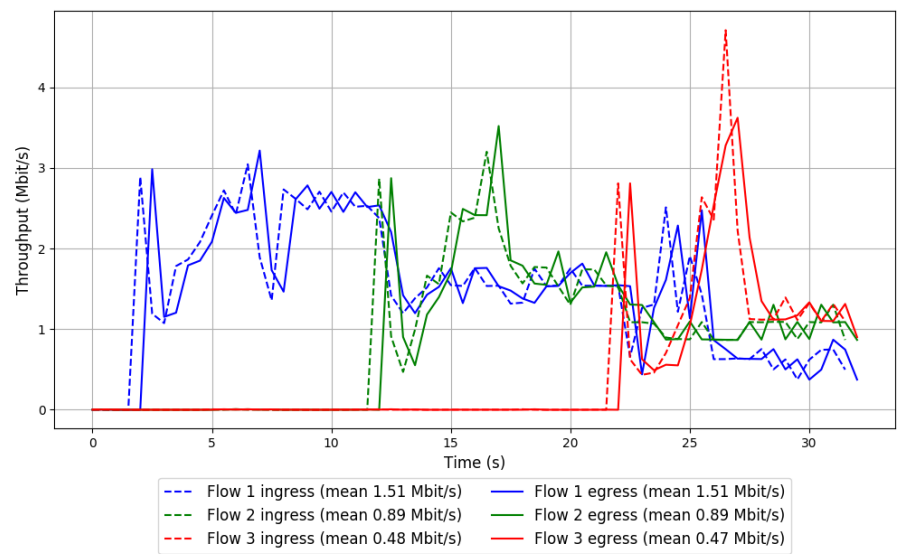
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: -51.840 ms

Loss rate: 0.65%

Run 6: Report of WebRTC media — Data Link

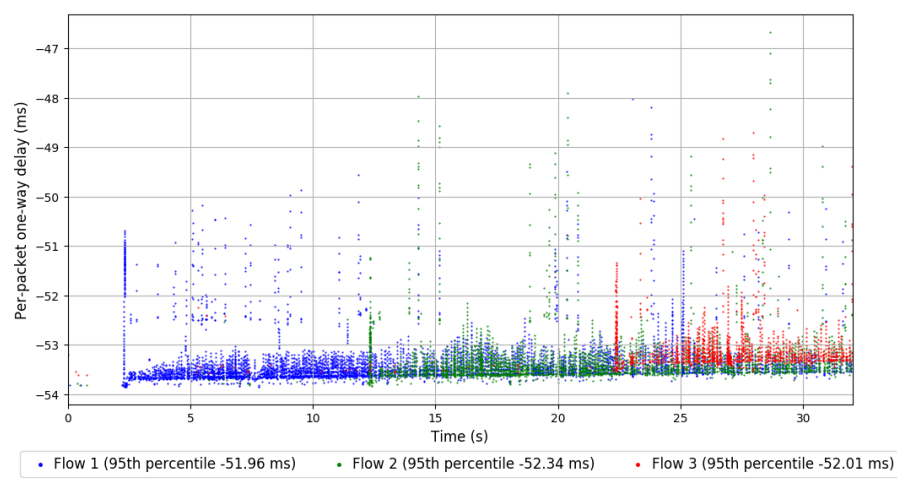
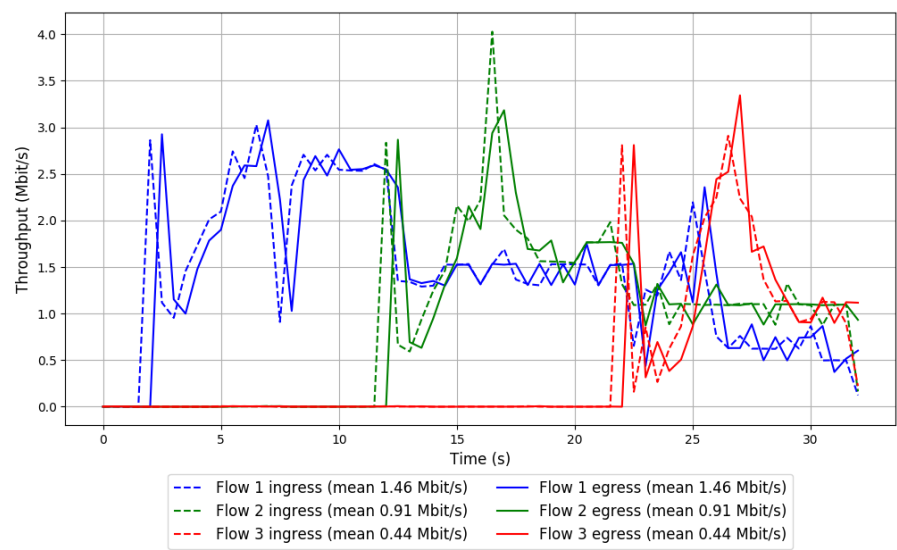


Run 7: Statistics of WebRTC media

Start at: 2018-06-19 11:02:26
End at: 2018-06-19 11:02:56
Local clock offset: -8.412 ms
Remote clock offset: 44.625 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: -52.045 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: -51.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: -52.340 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: -52.011 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

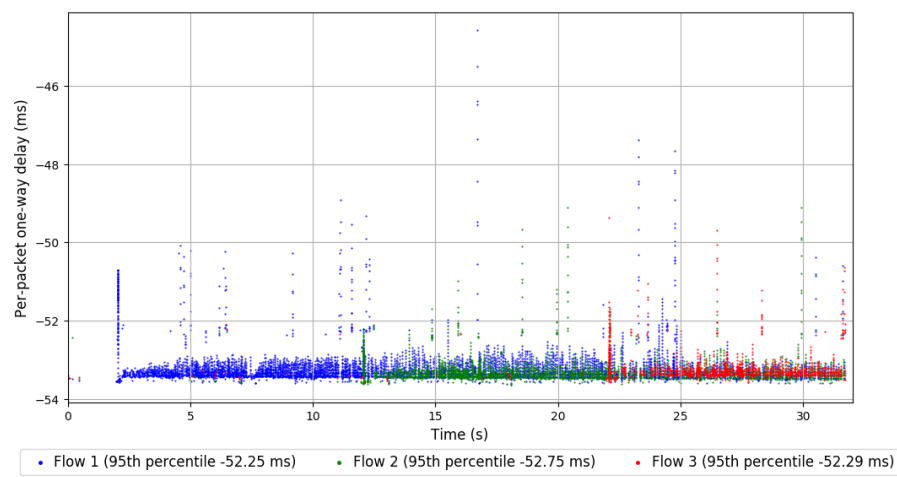
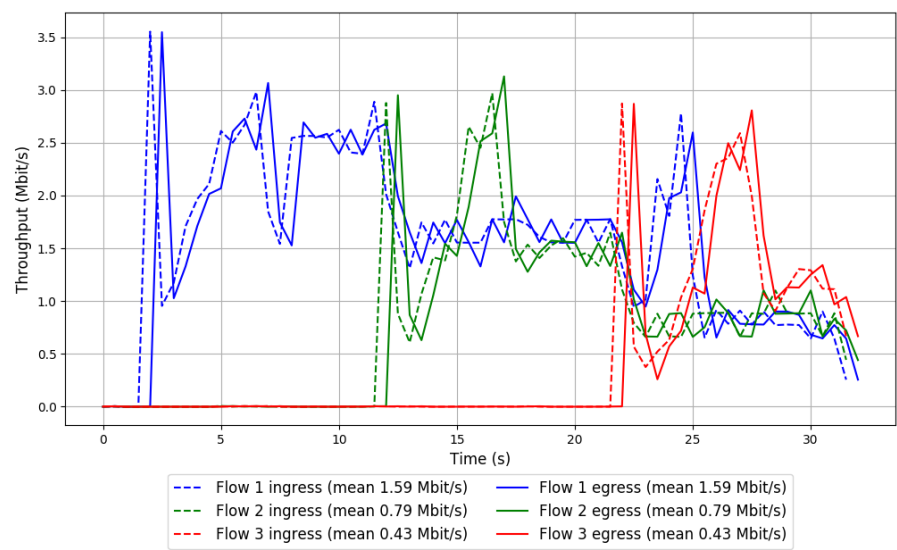


Run 8: Statistics of WebRTC media

Start at: 2018-06-19 11:20:17
End at: 2018-06-19 11:20:47
Local clock offset: -2.415 ms
Remote clock offset: 45.606 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: -52.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: -52.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: -52.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.289 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

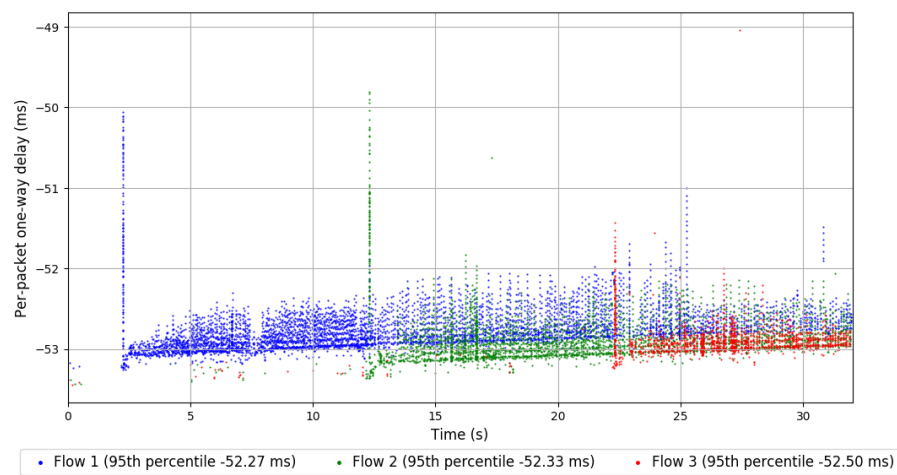
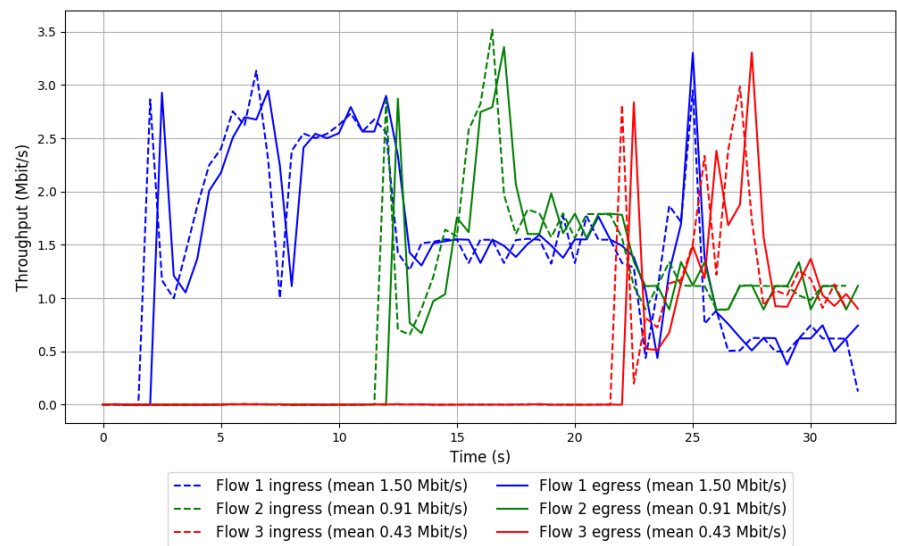


Run 9: Statistics of WebRTC media

Start at: 2018-06-19 11:38:13
End at: 2018-06-19 11:38:43
Local clock offset: -1.55 ms
Remote clock offset: 46.992 ms

Below is generated by plot.py at 2018-06-19 12:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: -52.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -52.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: -52.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.502 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-19 11:56:10

End at: 2018-06-19 11:56:40

Local clock offset: -1.877 ms

Remote clock offset: 52.61 ms

Below is generated by plot.py at 2018-06-19 12:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: -52.685 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: -52.875 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: -52.629 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: -52.537 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

