

Pantheon Report

Generated at 2018-06-18 19:39:25 (UTC).

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

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.

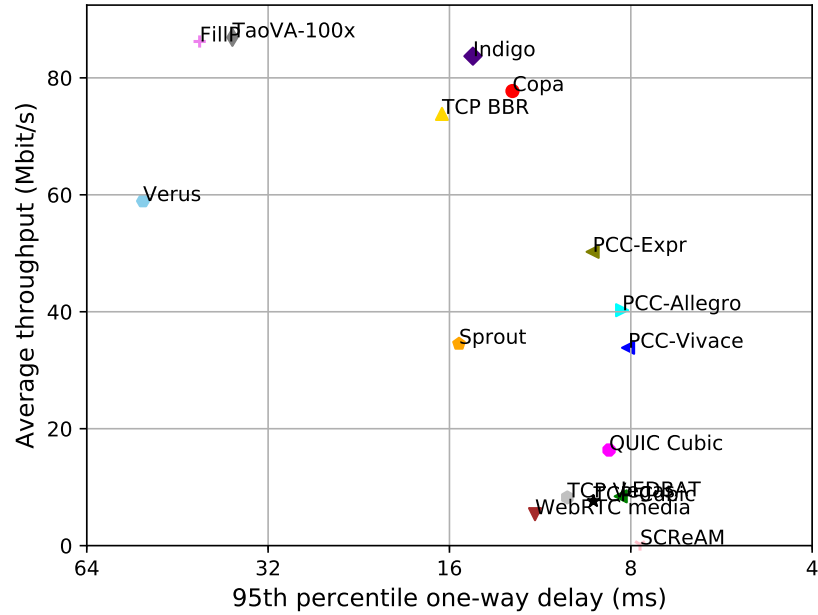
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

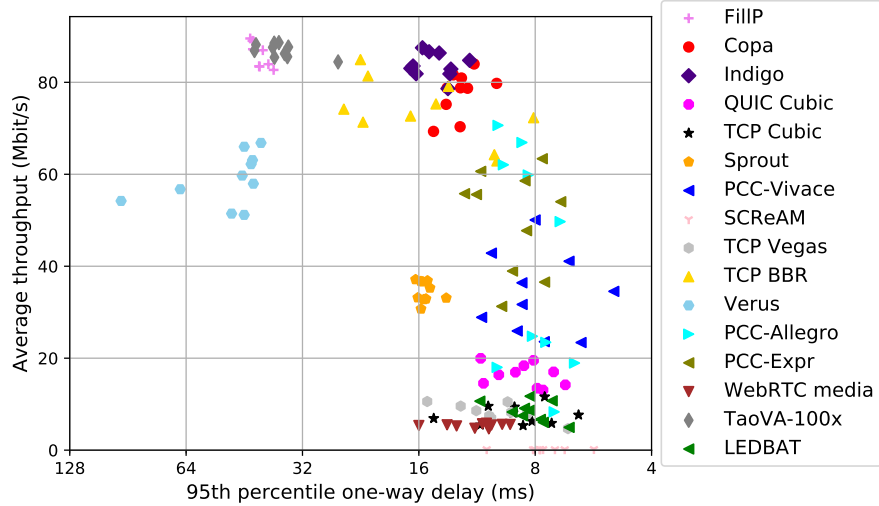
Git summary:

```
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-quick @ 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 AWS India 1 to India, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



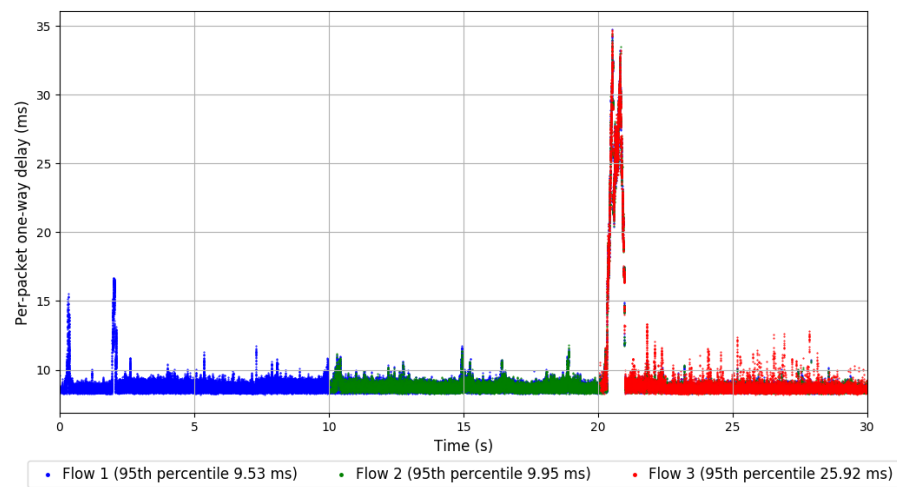
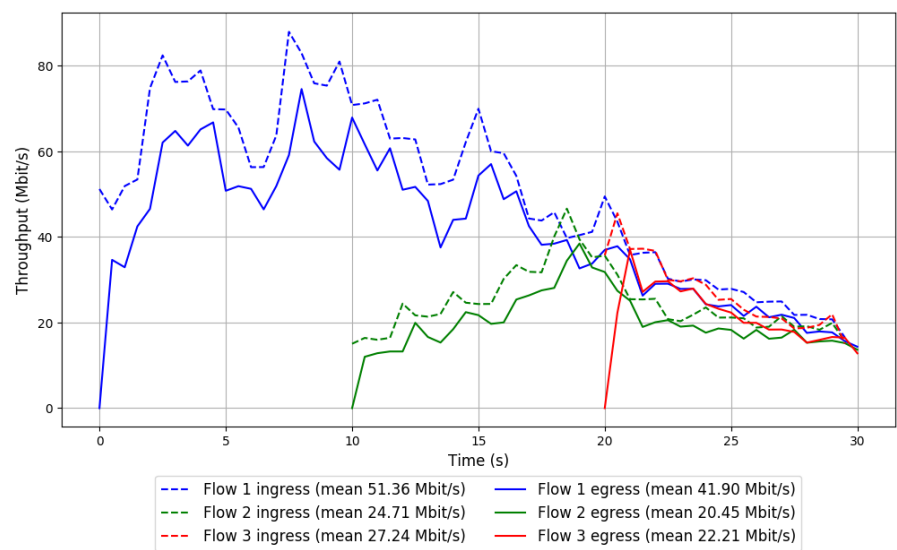
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	45.80	31.29	21.11	14.42	18.37	19.32	14.99	15.51	15.78
Copa	10	46.54	33.85	26.13	12.51	12.60	12.94	17.40	18.21	17.88
TCP Cubic	10	3.85	3.74	4.04	9.06	9.82	9.26	5.05	4.59	4.86
FillP	10	53.67	38.34	21.40	39.95	42.78	43.36	23.76	28.53	31.47
Indigo	10	48.68	37.72	31.67	13.62	14.91	17.08	14.74	16.30	16.43
LEDBAT	10	4.46	4.25	3.66	8.28	8.44	8.33	4.30	4.61	5.79
PCC-Allegro	10	33.64	4.82	10.40	8.24	8.30	8.16	9.54	9.54	9.78
PCC-Expr	10	36.85	15.15	10.14	9.39	8.98	9.33	9.88	10.30	10.21
QUIC Cubic	10	8.45	8.16	7.53	8.60	8.85	8.78	4.76	5.33	5.42
SCReAM	10	0.09	0.10	0.13	7.74	7.71	7.80	4.17	4.56	3.98
Sprout	10	17.54	17.33	16.55	14.99	15.67	16.58	9.89	10.43	11.91
TaoVA-100x	10	51.74	37.82	30.31	32.33	37.53	42.10	18.36	21.36	22.25
TCP Vegas	10	4.18	3.84	4.56	9.64	9.54	13.98	4.29	4.46	5.18
Verus	10	40.47	21.47	16.05	51.02	46.46	42.74	53.40	48.37	50.76
PCC-Vivace	10	21.75	12.16	12.06	8.04	8.15	8.34	8.88	9.14	9.38
WebRTC media	10	3.10	1.75	0.55	11.51	11.35	11.95	4.88	4.54	5.13

Run 1: Statistics of TCP BBR

Start at: 2018-06-18 16:23:56
End at: 2018-06-18 16:24:26
Local clock offset: -0.124 ms
Remote clock offset: -6.487 ms

Below is generated by plot.py at 2018-06-18 19:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 10.051 ms
Loss rate: 18.17%
-- Flow 1:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 9.527 ms
Loss rate: 18.41%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 9.949 ms
Loss rate: 17.26%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 25.924 ms
Loss rate: 18.47%

Run 1: Report of TCP BBR — Data Link

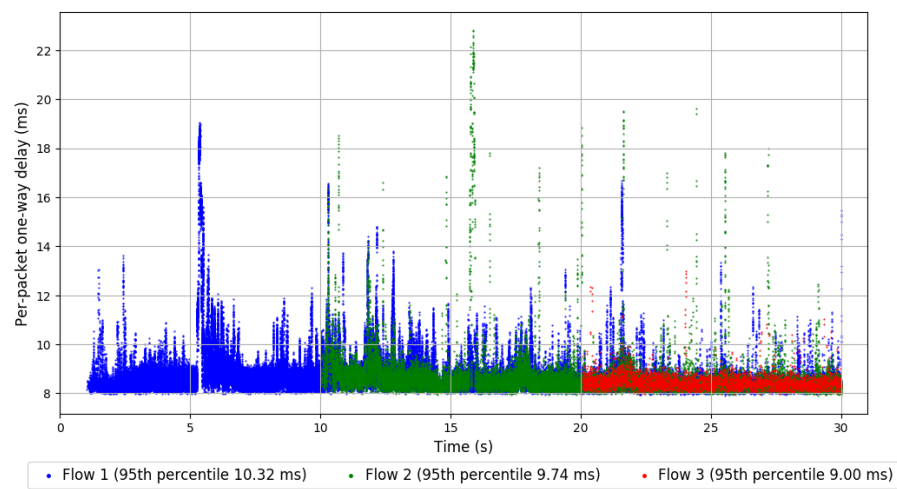
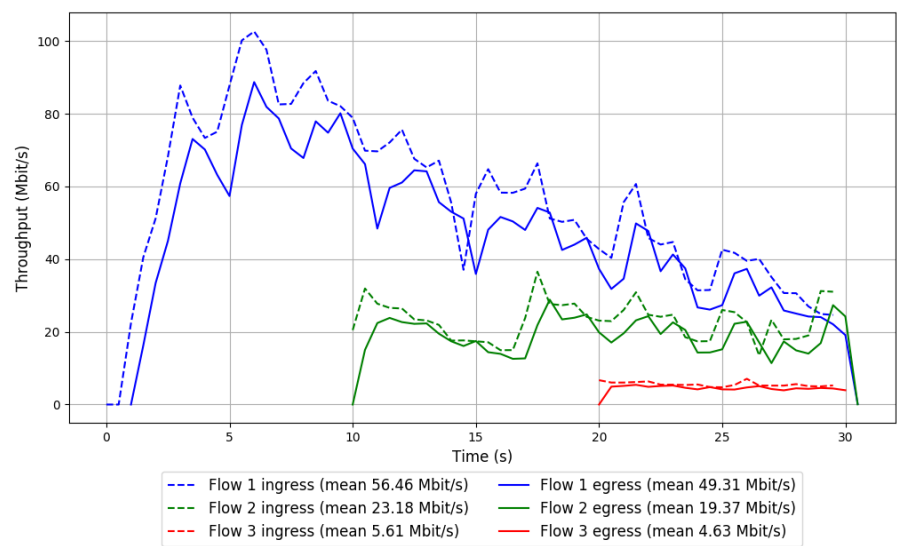


Run 2: Statistics of TCP BBR

Start at: 2018-06-18 16:42:31
End at: 2018-06-18 16:43:01
Local clock offset: 0.175 ms
Remote clock offset: -7.287 ms

Below is generated by plot.py at 2018-06-18 19:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 10.204 ms
Loss rate: 15.85%
-- Flow 1:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 10.323 ms
Loss rate: 15.63%
-- Flow 2:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 9.739 ms
Loss rate: 16.46%
-- Flow 3:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 8.996 ms
Loss rate: 17.48%

Run 2: Report of TCP BBR — Data Link

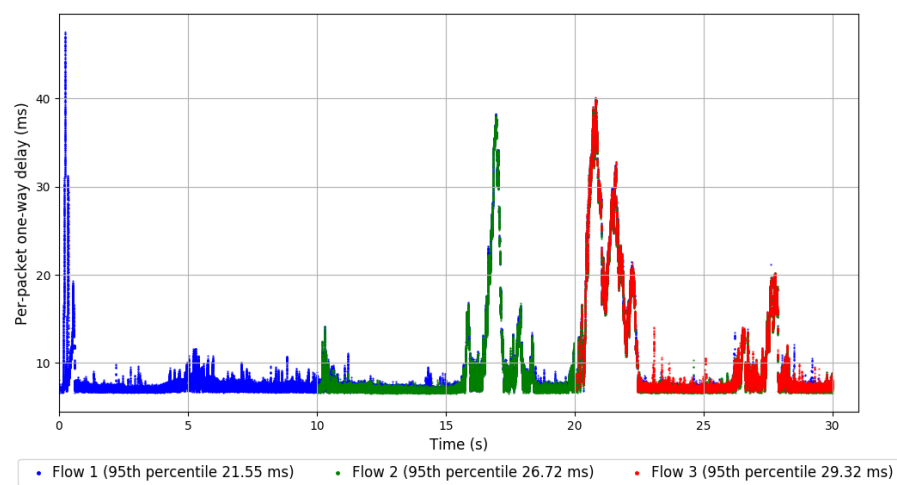
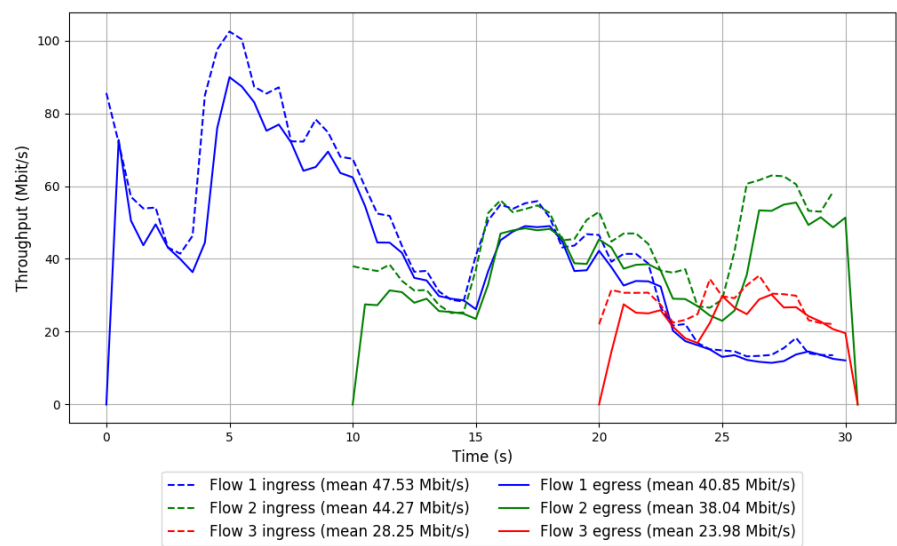


Run 3: Statistics of TCP BBR

Start at: 2018-06-18 17:00:52
End at: 2018-06-18 17:01:22
Local clock offset: 1.816 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-06-18 19:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 25.014 ms
Loss rate: 14.18%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 21.551 ms
Loss rate: 14.06%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 26.721 ms
Loss rate: 14.06%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 15.14%

Run 3: Report of TCP BBR — Data Link

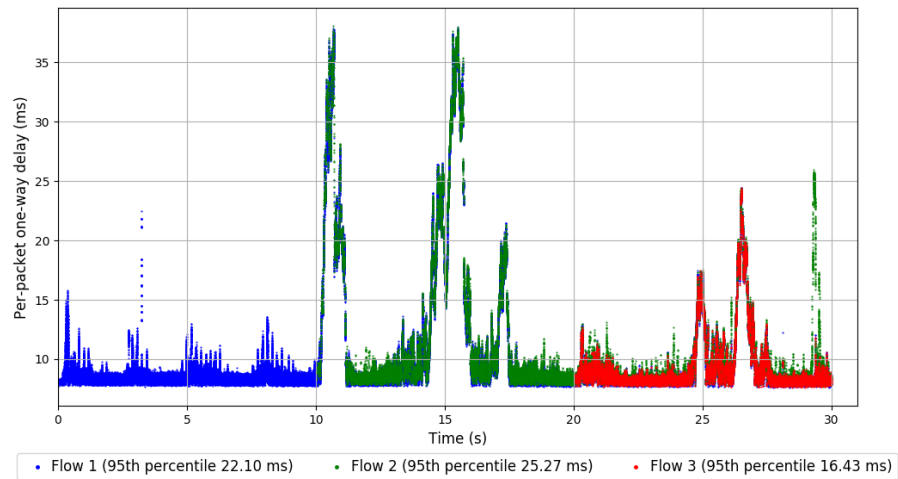
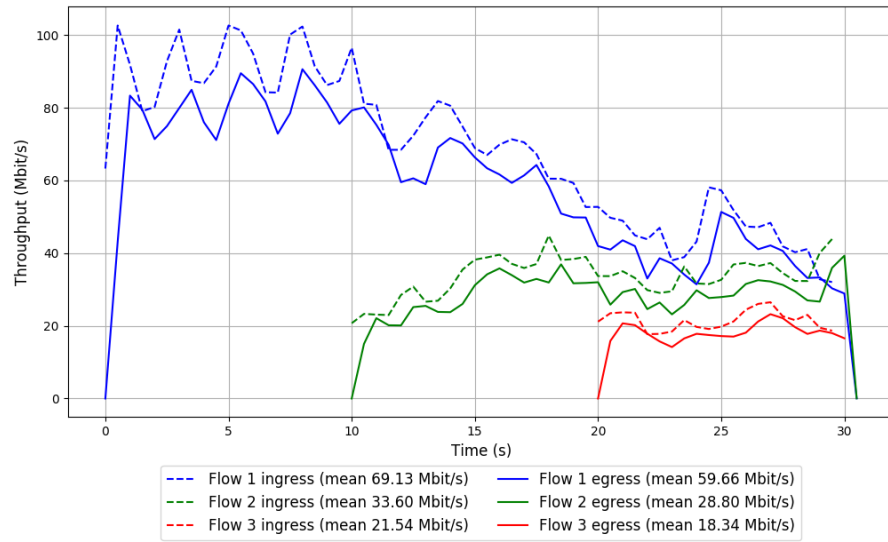


Run 4: Statistics of TCP BBR

Start at: 2018-06-18 17:19:13
End at: 2018-06-18 17:19:43
Local clock offset: 0.026 ms
Remote clock offset: -4.741 ms

Below is generated by plot.py at 2018-06-18 19:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 22.654 ms
Loss rate: 13.92%
-- Flow 1:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 13.70%
-- Flow 2:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 25.267 ms
Loss rate: 14.29%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 16.434 ms
Loss rate: 14.85%

Run 4: Report of TCP BBR — Data Link

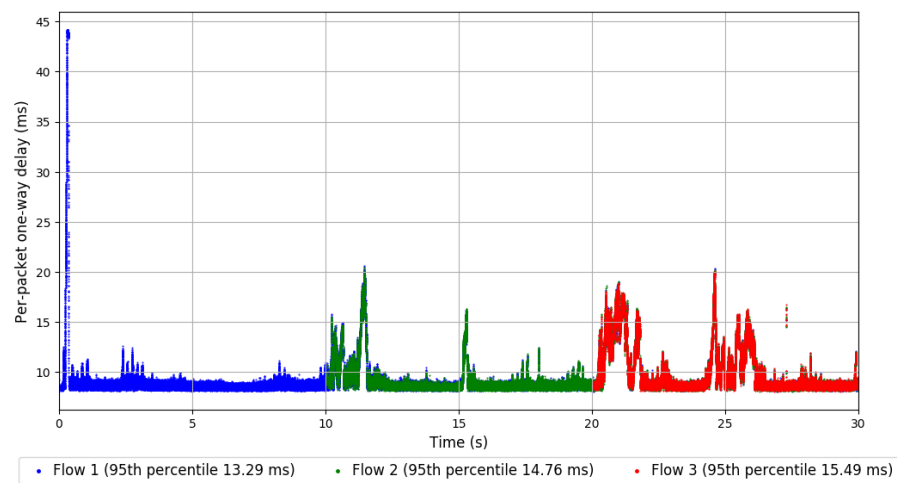
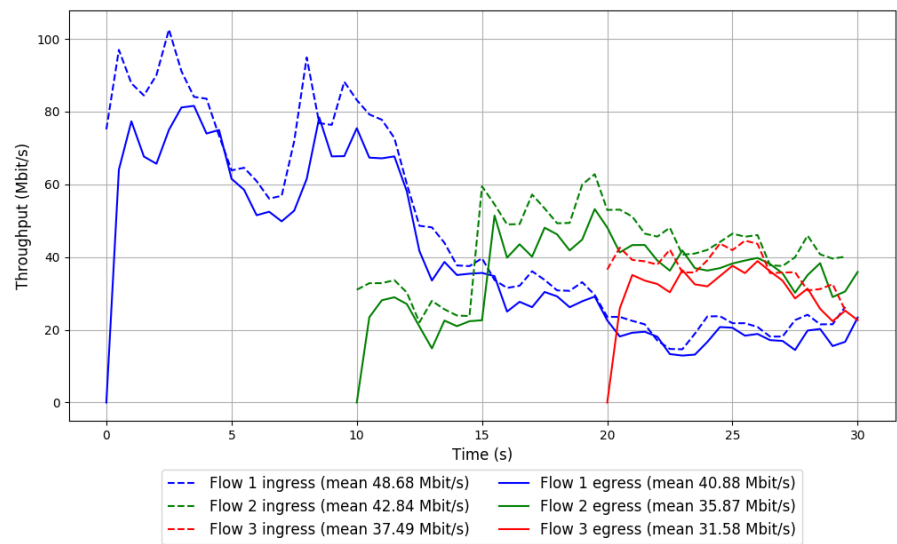


Run 5: Statistics of TCP BBR

Start at: 2018-06-18 17:37:44
End at: 2018-06-18 17:38:14
Local clock offset: 0.146 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-06-18 19:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 14.448 ms
Loss rate: 16.07%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 13.288 ms
Loss rate: 16.04%
-- Flow 2:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 14.761 ms
Loss rate: 16.27%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 15.494 ms
Loss rate: 15.76%

Run 5: Report of TCP BBR — Data Link

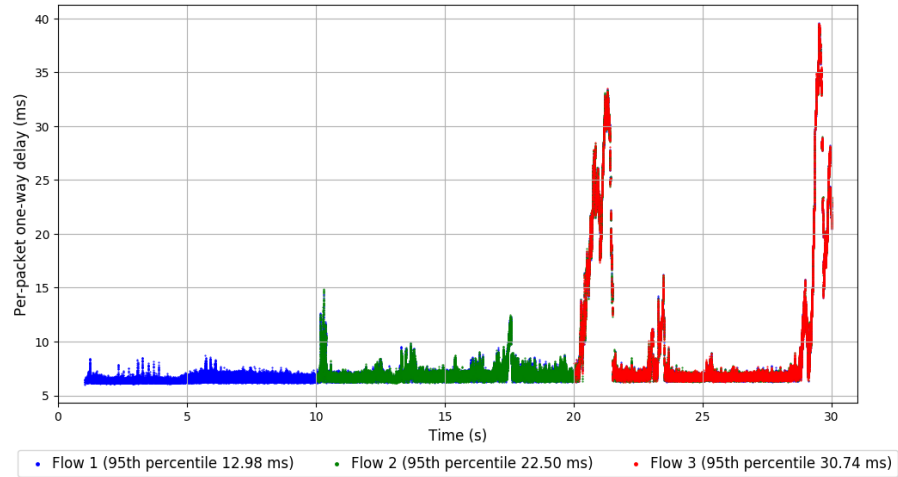
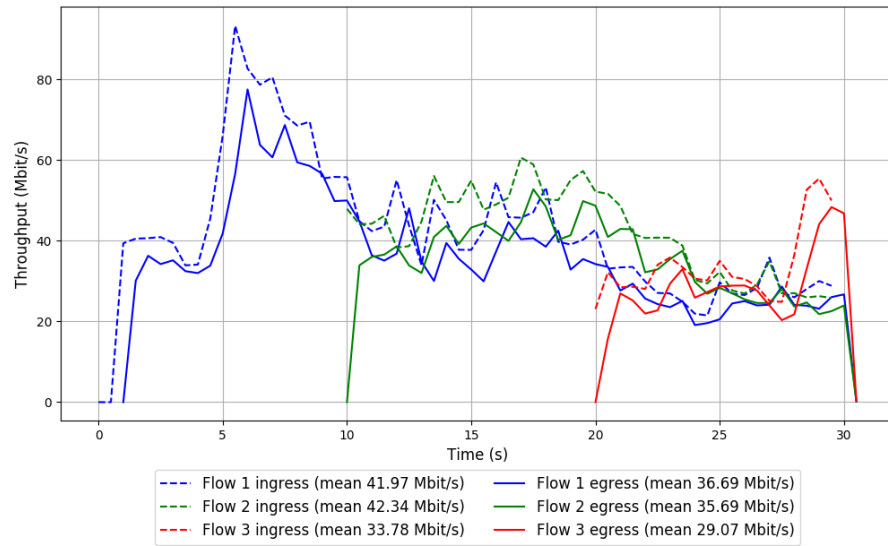


Run 6: Statistics of TCP BBR

Start at: 2018-06-18 17:56:10
End at: 2018-06-18 17:56:40
Local clock offset: 2.482 ms
Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-06-18 19:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 22.311 ms
Loss rate: 15.32%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 12.977 ms
Loss rate: 15.49%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 22.495 ms
Loss rate: 15.66%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 30.742 ms
Loss rate: 13.84%

Run 6: Report of TCP BBR — Data Link

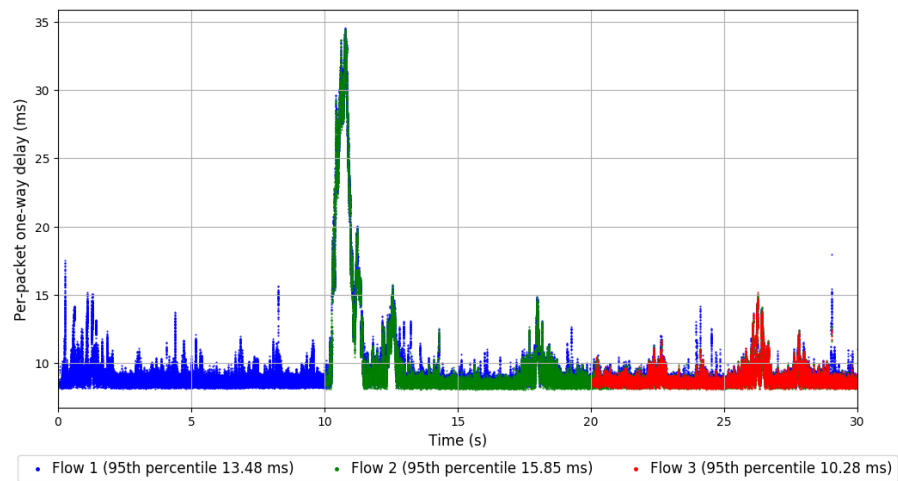
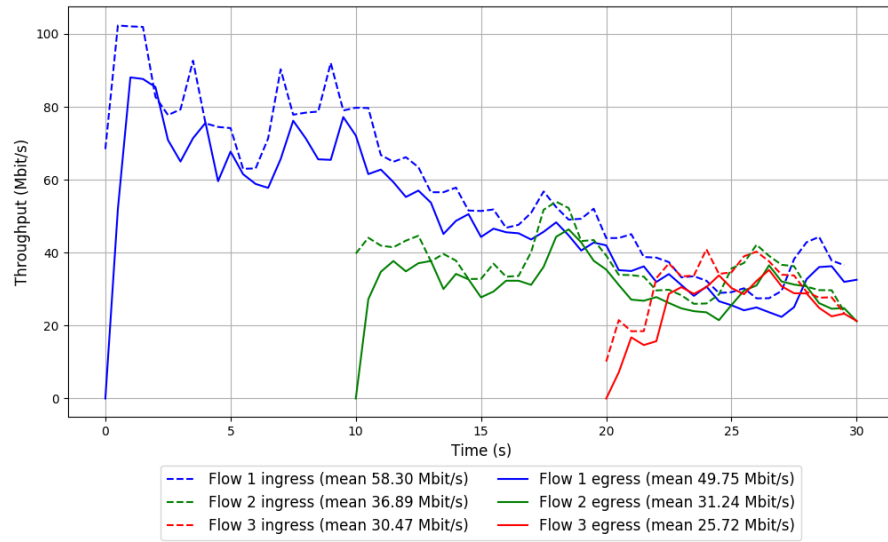


Run 7: Statistics of TCP BBR

Start at: 2018-06-18 18:14:42
End at: 2018-06-18 18:15:12
Local clock offset: 1.358 ms
Remote clock offset: -5.644 ms

Below is generated by plot.py at 2018-06-18 19:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 13.406 ms
Loss rate: 14.94%
-- Flow 1:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 13.484 ms
Loss rate: 14.67%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 15.847 ms
Loss rate: 15.32%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 10.275 ms
Loss rate: 15.57%

Run 7: Report of TCP BBR — Data Link

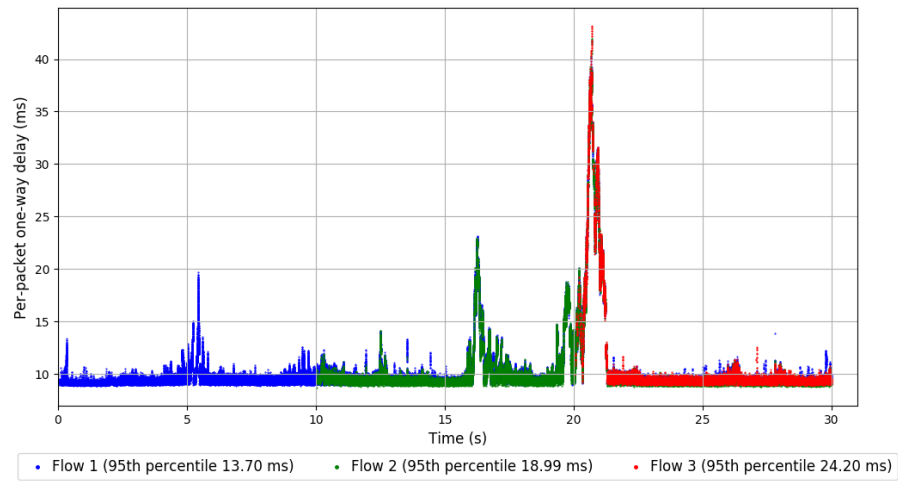
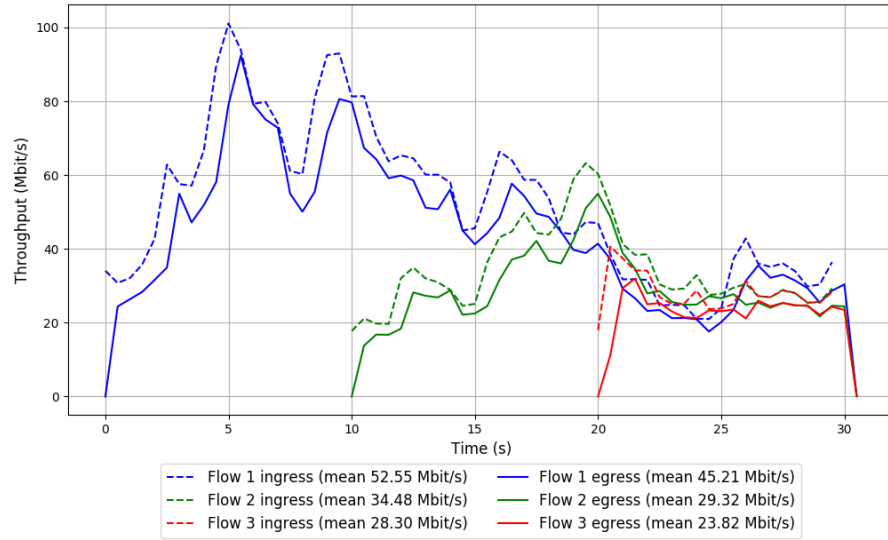


Run 8: Statistics of TCP BBR

Start at: 2018-06-18 18:32:54
End at: 2018-06-18 18:33:24
Local clock offset: 1.015 ms
Remote clock offset: -4.152 ms

Below is generated by plot.py at 2018-06-18 19:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 16.810 ms
Loss rate: 14.44%
-- Flow 1:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 13.696 ms
Loss rate: 13.97%
-- Flow 2:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 14.95%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 24.197 ms
Loss rate: 15.83%

Run 8: Report of TCP BBR — Data Link

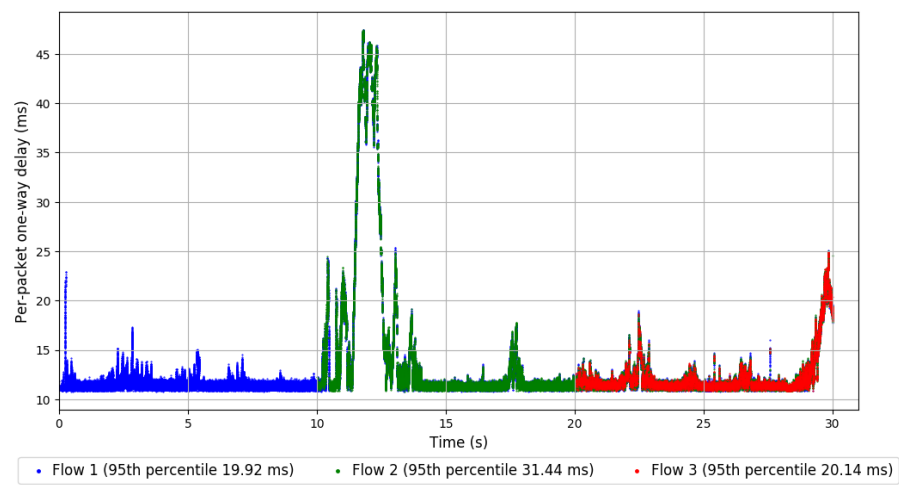
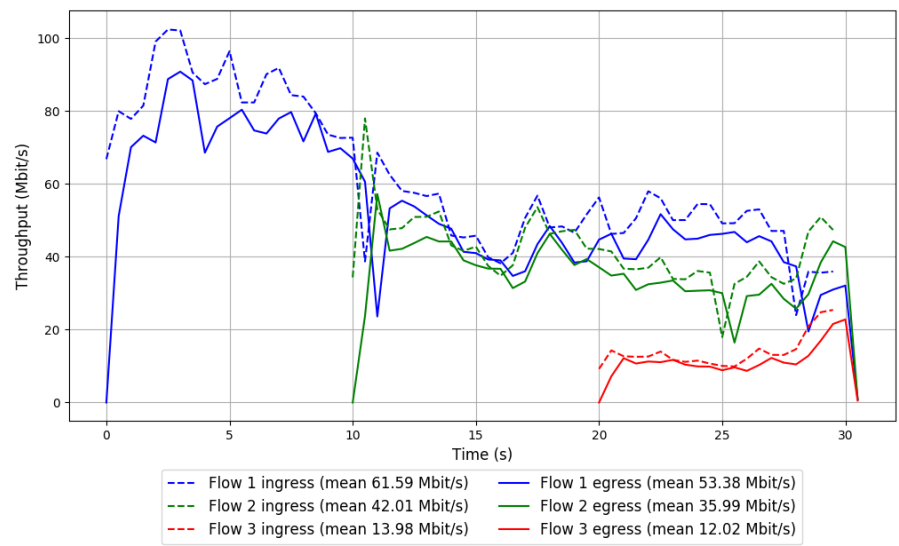


Run 9: Statistics of TCP BBR

Start at: 2018-06-18 18:51:51
End at: 2018-06-18 18:52:21
Local clock offset: -0.629 ms
Remote clock offset: -2.848 ms

Below is generated by plot.py at 2018-06-18 19:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 21.666 ms
Loss rate: 13.63%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 19.916 ms
Loss rate: 13.32%
-- Flow 2:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 31.437 ms
Loss rate: 14.27%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 13.96%

Run 9: Report of TCP BBR — Data Link

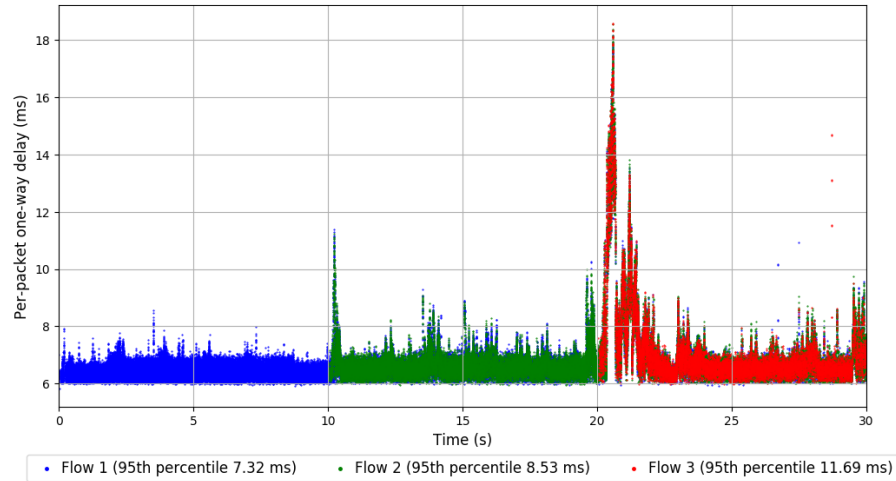
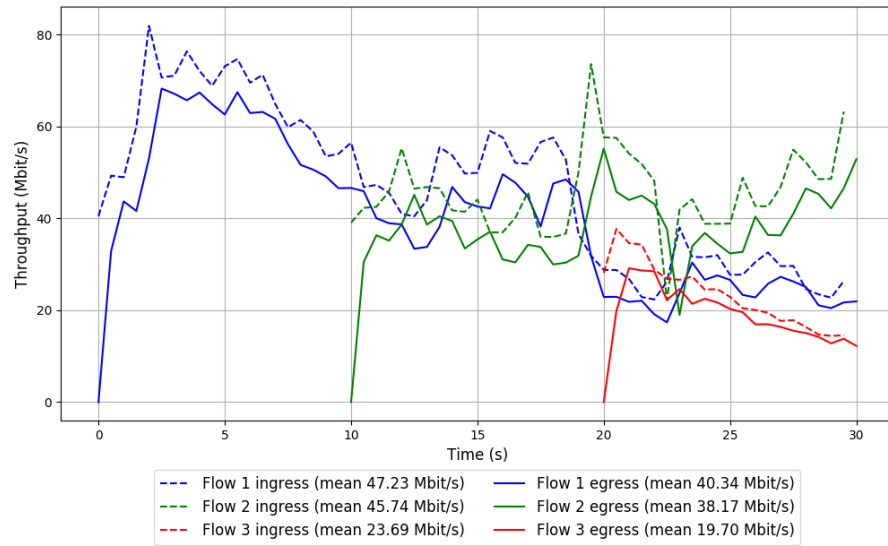


Run 10: Statistics of TCP BBR

Start at: 2018-06-18 19:10:26
End at: 2018-06-18 19:10:56
Local clock offset: 3.635 ms
Remote clock offset: -1.955 ms

Below is generated by plot.py at 2018-06-18 19:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 8.077 ms
Loss rate: 15.50%
-- Flow 1:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 7.320 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 8.530 ms
Loss rate: 16.55%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 11.687 ms
Loss rate: 16.87%

Run 10: Report of TCP BBR — Data Link

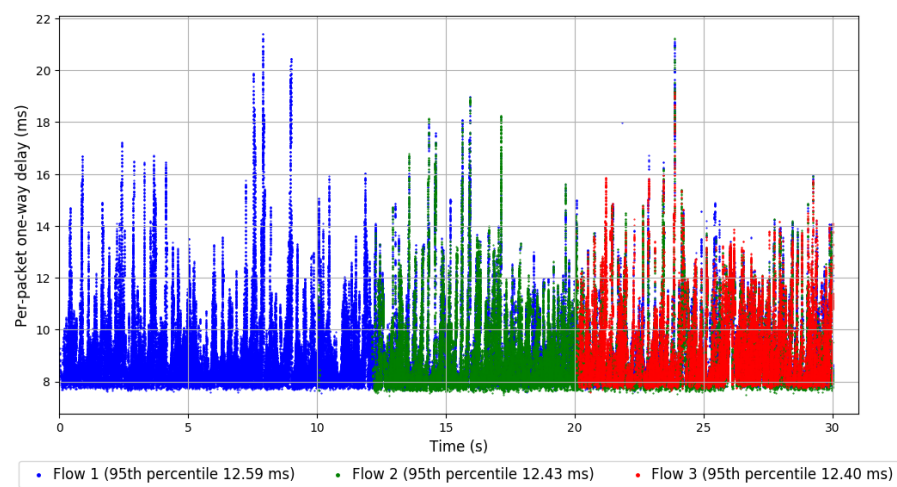
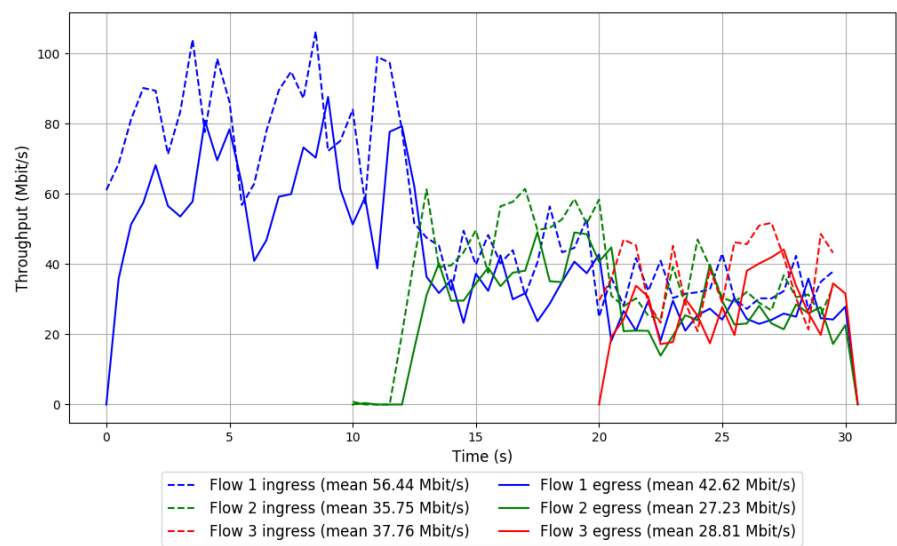


Run 1: Statistics of Copa

Start at: 2018-06-18 16:31:58
End at: 2018-06-18 16:32:28
Local clock offset: -0.474 ms
Remote clock offset: -7.812 ms

Below is generated by plot.py at 2018-06-18 19:26:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.34 Mbit/s
95th percentile per-packet one-way delay: 12.513 ms
Loss rate: 24.20%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 12.587 ms
Loss rate: 24.47%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 12.430 ms
Loss rate: 23.82%
-- Flow 3:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 12.400 ms
Loss rate: 23.72%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-18 16:50:32

End at: 2018-06-18 16:51:02

Local clock offset: 1.407 ms

Remote clock offset: -6.06 ms

Below is generated by plot.py at 2018-06-18 19:26:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 11.971 ms

Loss rate: 18.18%

-- Flow 1:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 11.697 ms

Loss rate: 18.03%

-- Flow 2:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 12.248 ms

Loss rate: 17.92%

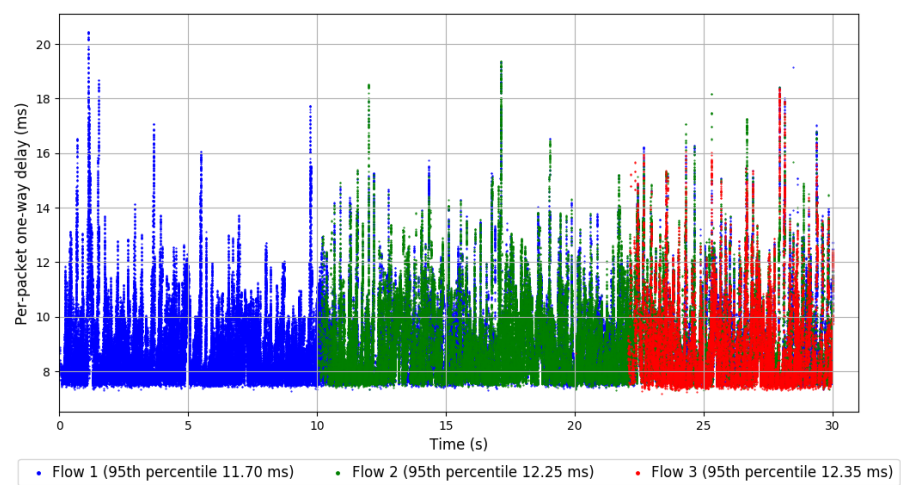
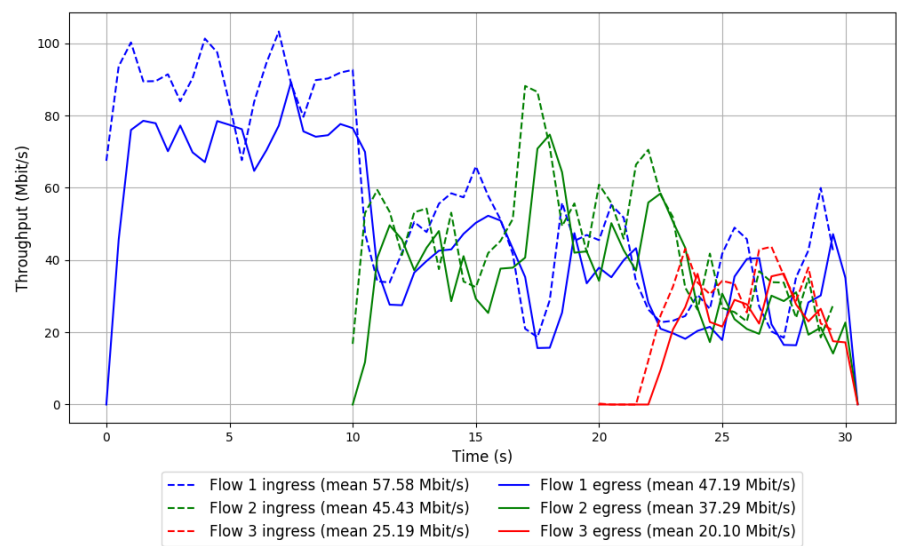
-- Flow 3:

Average throughput: 20.10 Mbit/s

95th percentile per-packet one-way delay: 12.353 ms

Loss rate: 20.19%

Run 2: Report of Copa — Data Link

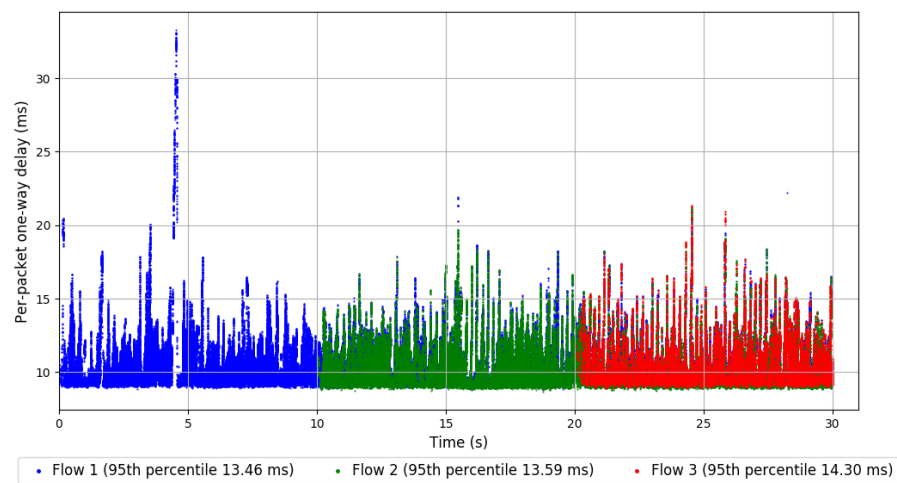
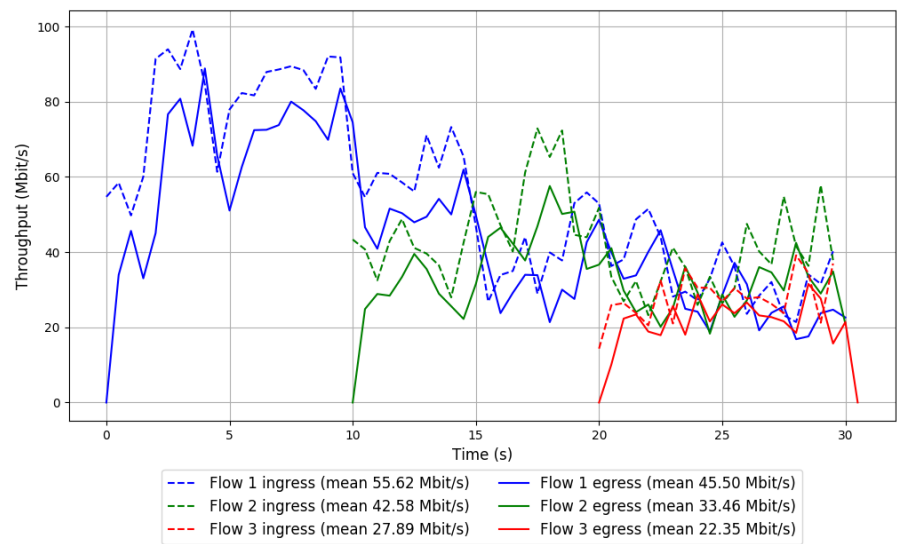


Run 3: Statistics of Copa

Start at: 2018-06-18 17:09:03
End at: 2018-06-18 17:09:33
Local clock offset: 0.143 ms
Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-06-18 19:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 13.599 ms
Loss rate: 19.34%
-- Flow 1:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 13.462 ms
Loss rate: 18.20%
-- Flow 2:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 13.592 ms
Loss rate: 21.41%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 14.299 ms
Loss rate: 19.88%

Run 3: Report of Copa — Data Link

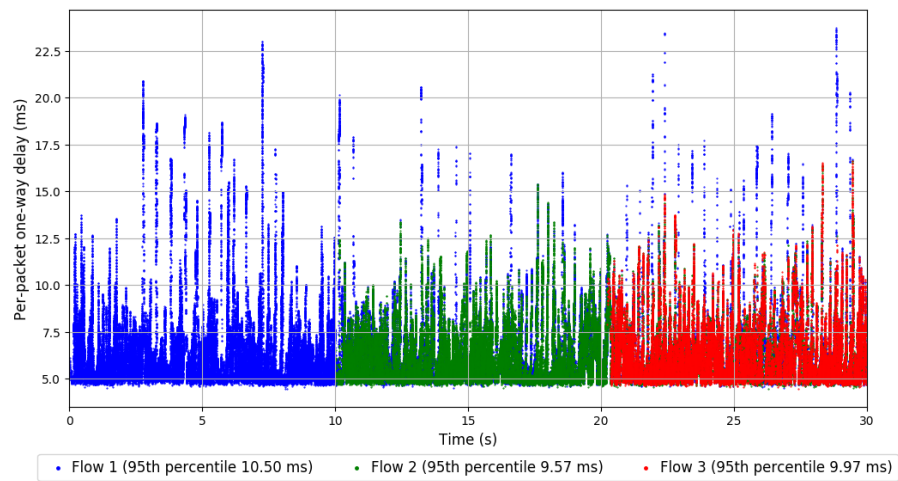
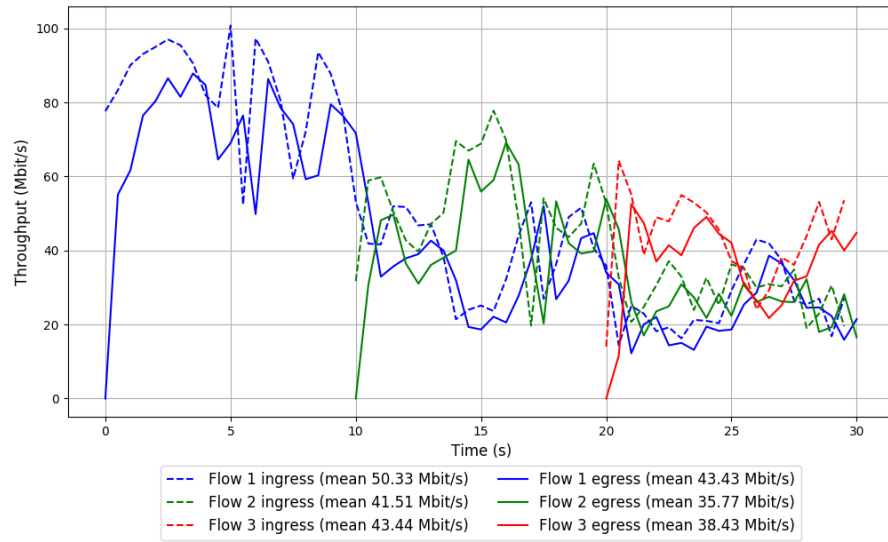


Run 4: Statistics of Copa

Start at: 2018-06-18 17:27:26
End at: 2018-06-18 17:27:56
Local clock offset: 3.348 ms
Remote clock offset: -2.453 ms

Below is generated by plot.py at 2018-06-18 19:26:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 10.066 ms
Loss rate: 13.69%
-- Flow 1:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 10.496 ms
Loss rate: 13.71%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 9.573 ms
Loss rate: 13.84%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 9.968 ms
Loss rate: 13.33%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-18 17:45:43

End at: 2018-06-18 17:46:13

Local clock offset: 1.235 ms

Remote clock offset: 1.652 ms

Below is generated by plot.py at 2018-06-18 19:26:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 13.023 ms

Loss rate: 15.55%

-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 13.165 ms

Loss rate: 14.94%

-- Flow 2:

Average throughput: 34.38 Mbit/s

95th percentile per-packet one-way delay: 12.769 ms

Loss rate: 16.83%

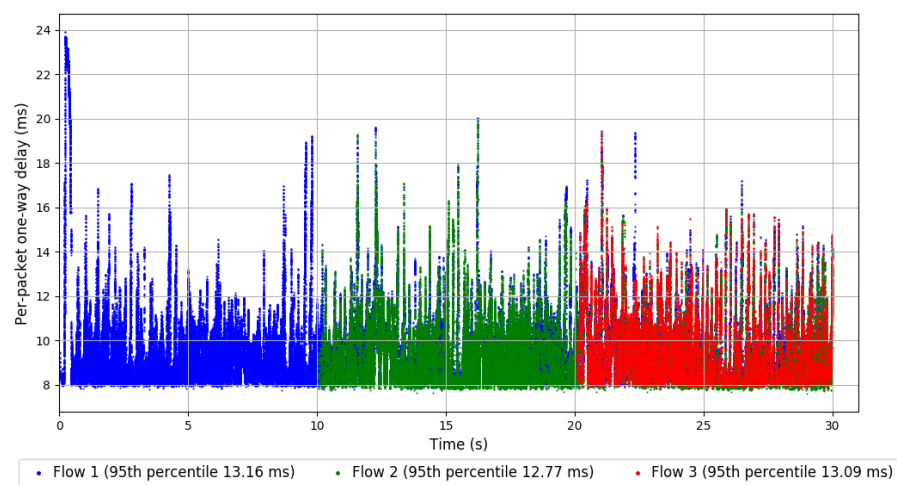
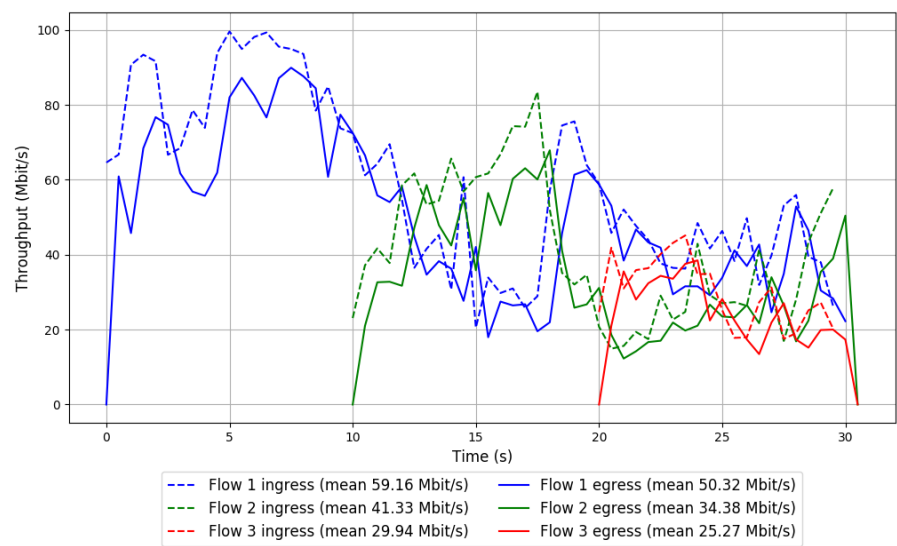
-- Flow 3:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 13.088 ms

Loss rate: 15.61%

Run 5: Report of Copa — Data Link

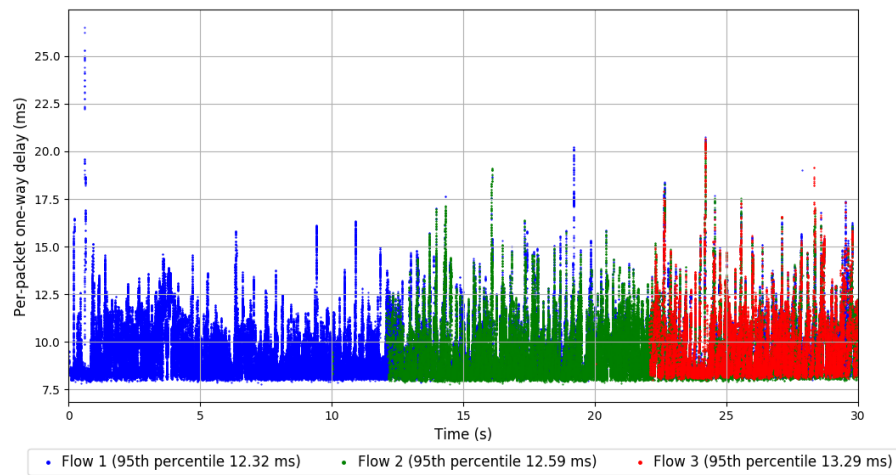
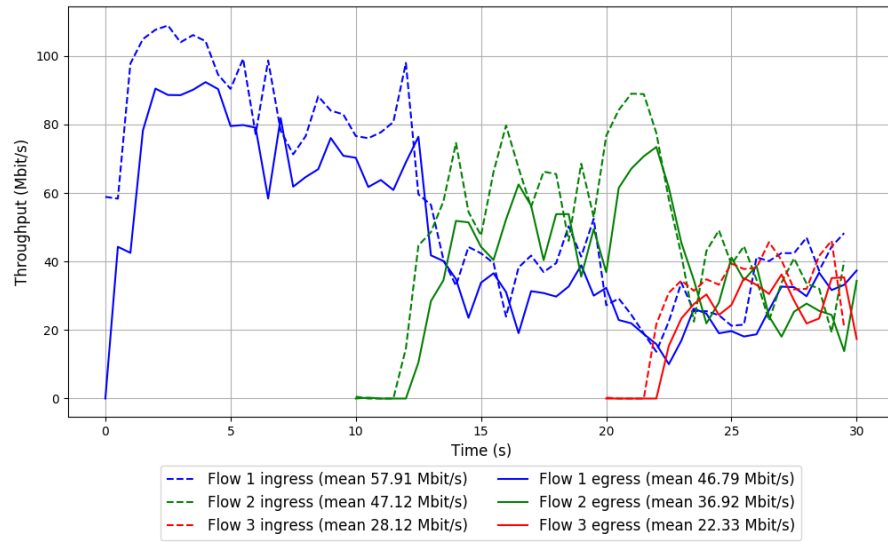


Run 6: Statistics of Copa

Start at: 2018-06-18 18:04:20
End at: 2018-06-18 18:04:50
Local clock offset: 1.367 ms
Remote clock offset: -4.176 ms

Below is generated by plot.py at 2018-06-18 19:26:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 12.483 ms
Loss rate: 20.11%
-- Flow 1:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 12.320 ms
Loss rate: 19.19%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 12.590 ms
Loss rate: 21.66%
-- Flow 3:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 13.288 ms
Loss rate: 20.55%

Run 6: Report of Copa — Data Link

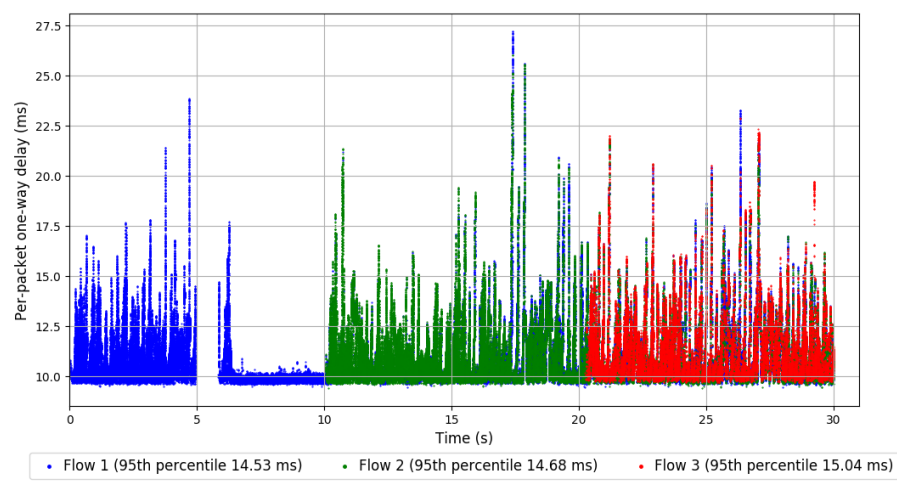
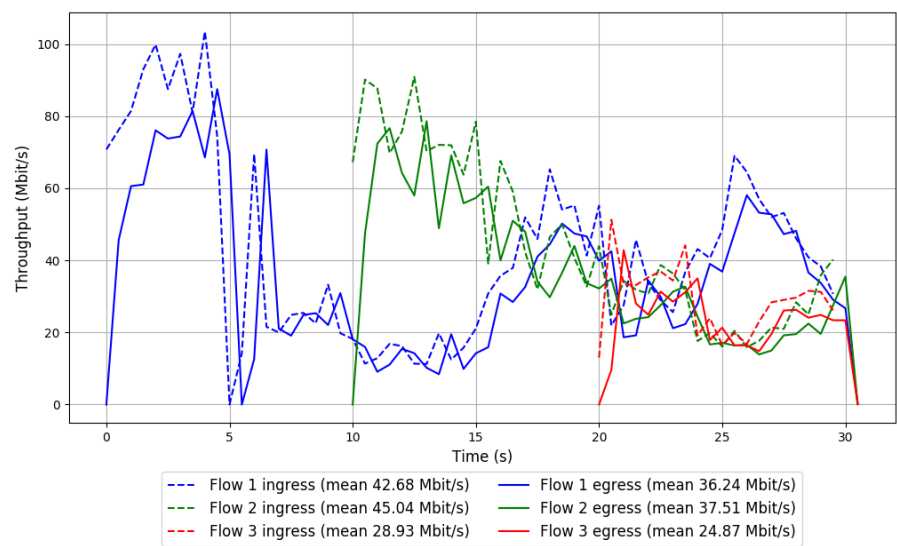


Run 7: Statistics of Copa

Start at: 2018-06-18 18:22:37
End at: 2018-06-18 18:23:07
Local clock offset: -0.902 ms
Remote clock offset: -6.924 ms

Below is generated by plot.py at 2018-06-18 19:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 14.661 ms
Loss rate: 15.77%
-- Flow 1:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 14.531 ms
Loss rate: 15.10%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 14.682 ms
Loss rate: 16.72%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 15.042 ms
Loss rate: 15.76%

Run 7: Report of Copa — Data Link

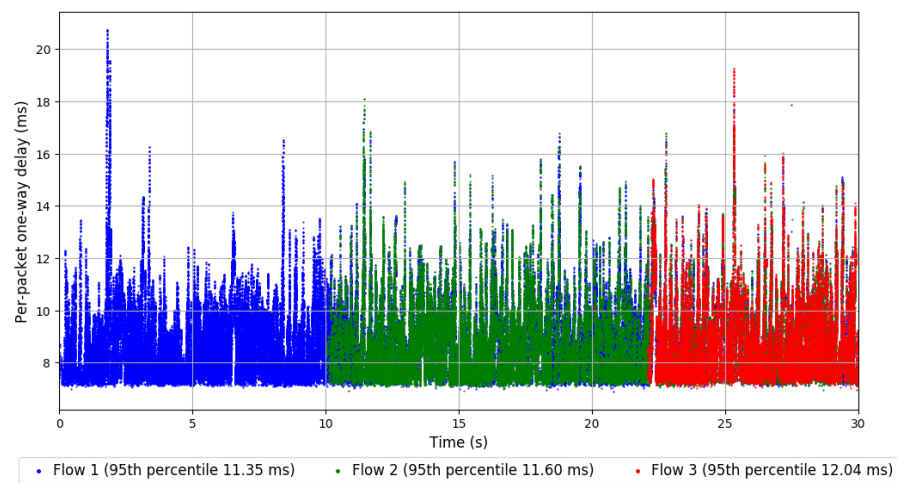
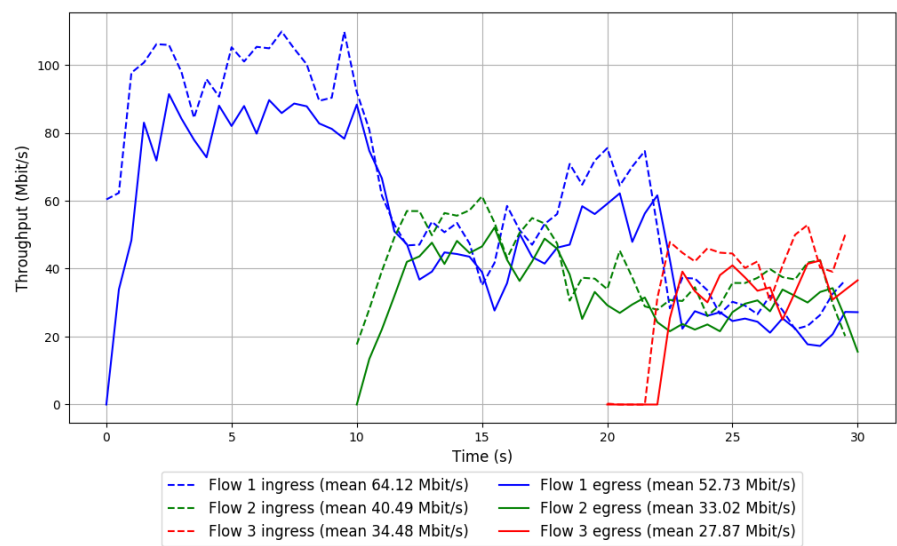


Run 8: Statistics of Copa

Start at: 2018-06-18 18:41:06
End at: 2018-06-18 18:41:36
Local clock offset: 2.63 ms
Remote clock offset: -3.678 ms

Below is generated by plot.py at 2018-06-18 19:27:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 11.512 ms
Loss rate: 18.10%
-- Flow 1:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 11.350 ms
Loss rate: 17.76%
-- Flow 2:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 11.604 ms
Loss rate: 18.46%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 12.036 ms
Loss rate: 19.18%

Run 8: Report of Copa — Data Link

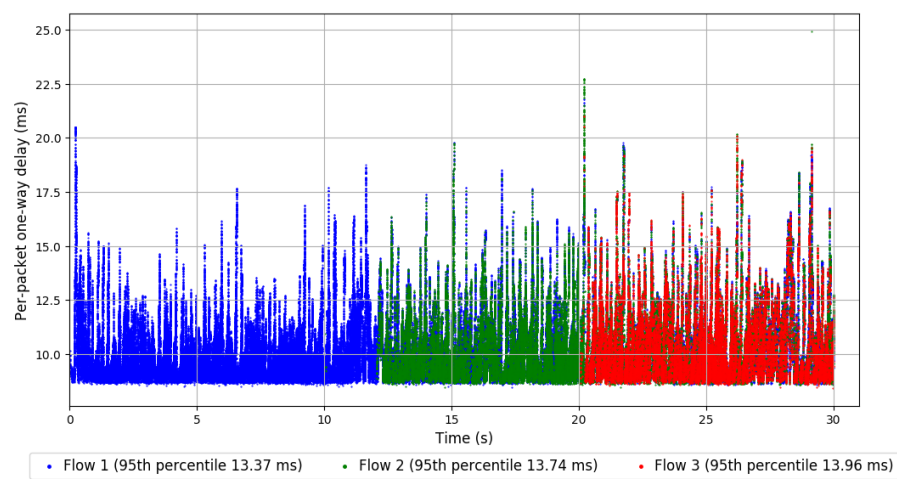
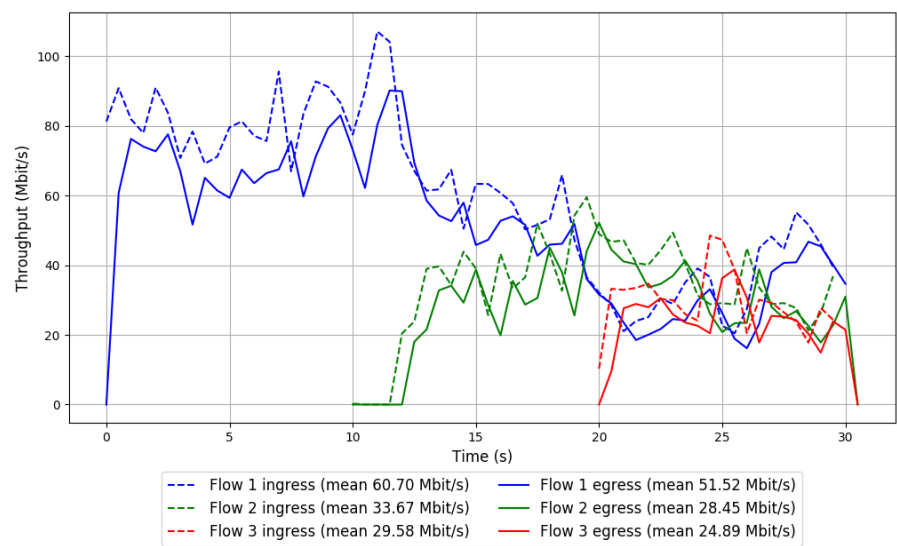


Run 9: Statistics of Copa

Start at: 2018-06-18 18:59:56
End at: 2018-06-18 19:00:26
Local clock offset: 1.299 ms
Remote clock offset: -2.634 ms

Below is generated by plot.py at 2018-06-18 19:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: 13.522 ms
Loss rate: 15.28%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 13.367 ms
Loss rate: 15.11%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 13.742 ms
Loss rate: 15.50%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 13.960 ms
Loss rate: 15.84%

Run 9: Report of Copa — Data Link

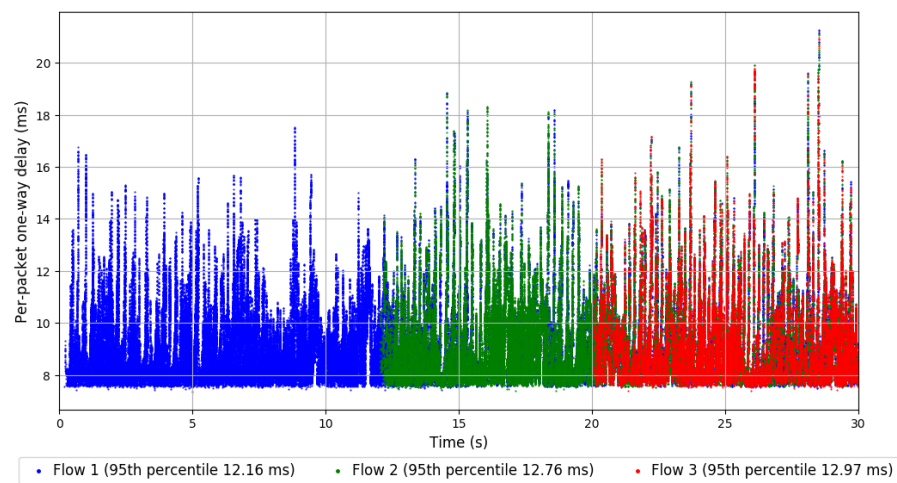
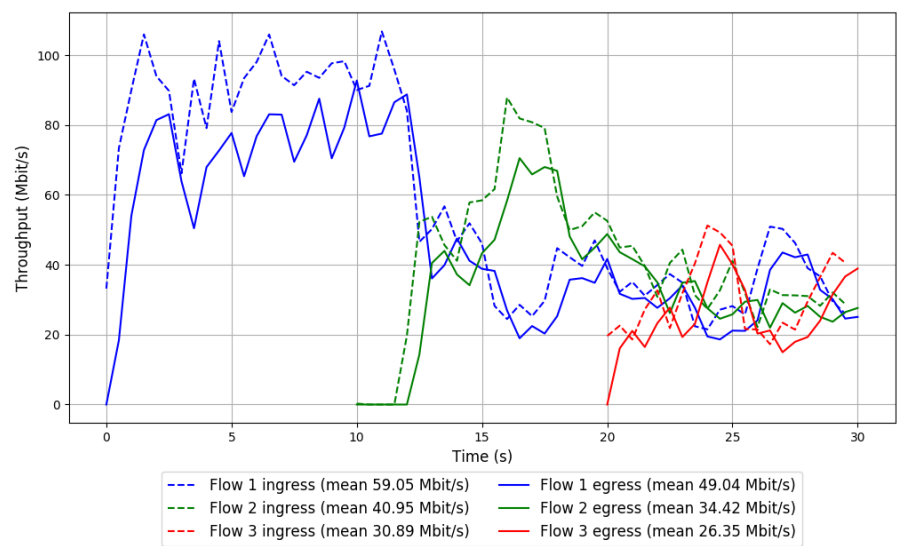


Run 10: Statistics of Copa

Start at: 2018-06-18 19:18:23
End at: 2018-06-18 19:18:53
Local clock offset: 1.619 ms
Remote clock offset: -2.016 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 12.413 ms
Loss rate: 16.76%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 12.157 ms
Loss rate: 17.50%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 12.759 ms
Loss rate: 15.94%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 14.70%

Run 10: Report of Copa — Data Link

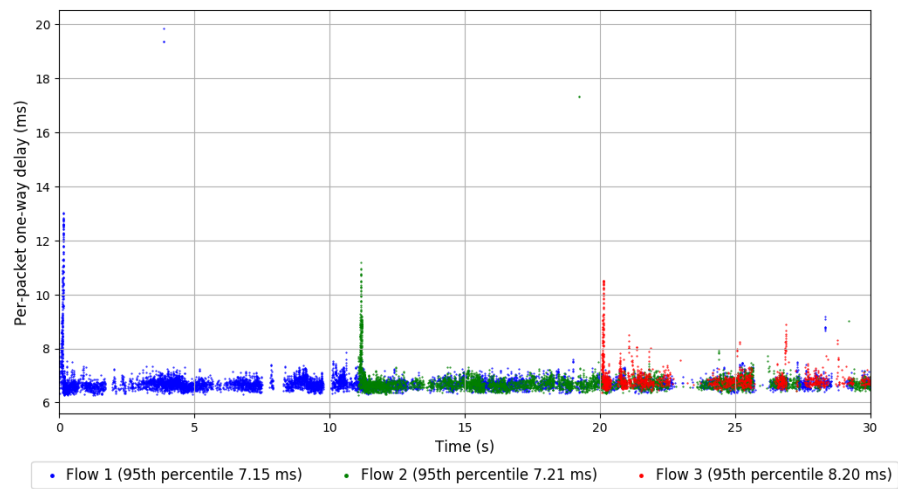
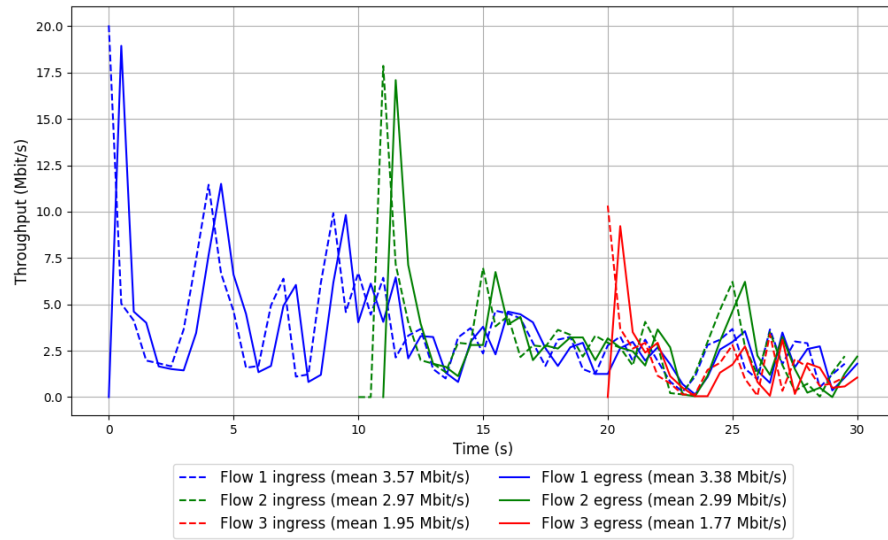


Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 16:34:20
End at: 2018-06-18 16:34:50
Local clock offset: 1.052 ms
Remote clock offset: -7.813 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 7.256 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 7.150 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 7.213 ms
Loss rate: 4.73%
-- Flow 3:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 8.196 ms
Loss rate: 8.92%

Run 1: Report of TCP Cubic — Data Link

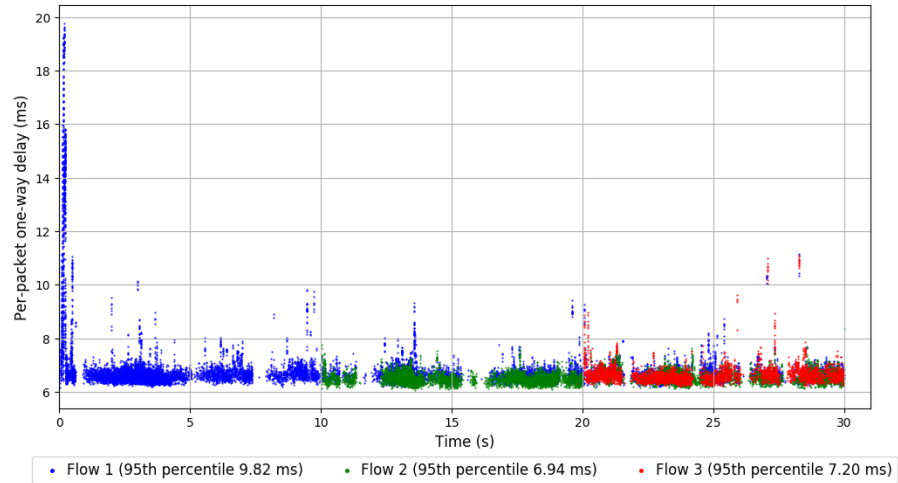
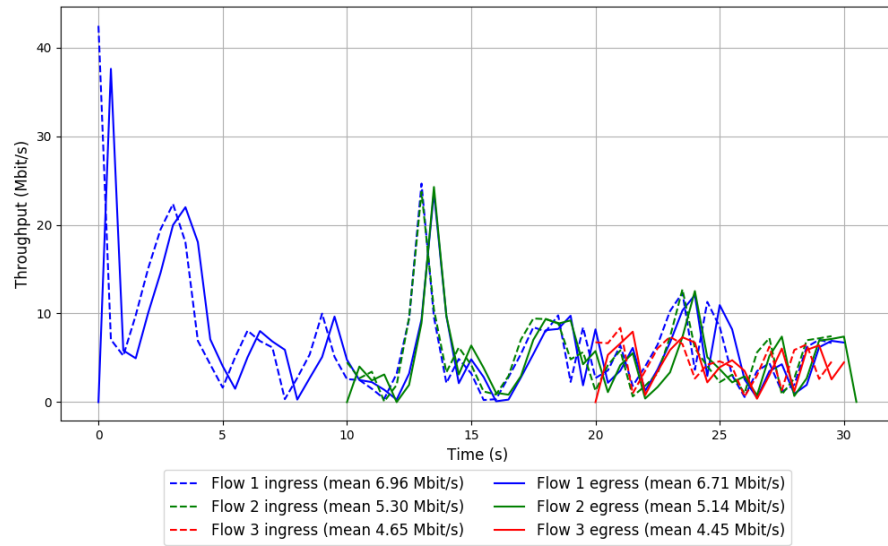


Run 2: Statistics of TCP Cubic

Start at: 2018-06-18 16:52:57
End at: 2018-06-18 16:53:27
Local clock offset: 2.542 ms
Remote clock offset: -6.112 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 7.563 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 9.822 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 6.943 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 7.204 ms
Loss rate: 4.30%

Run 2: Report of TCP Cubic — Data Link

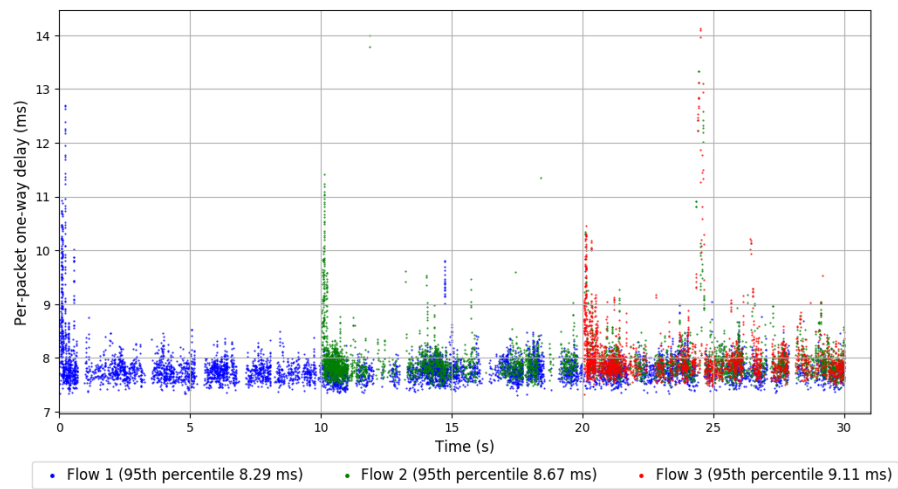
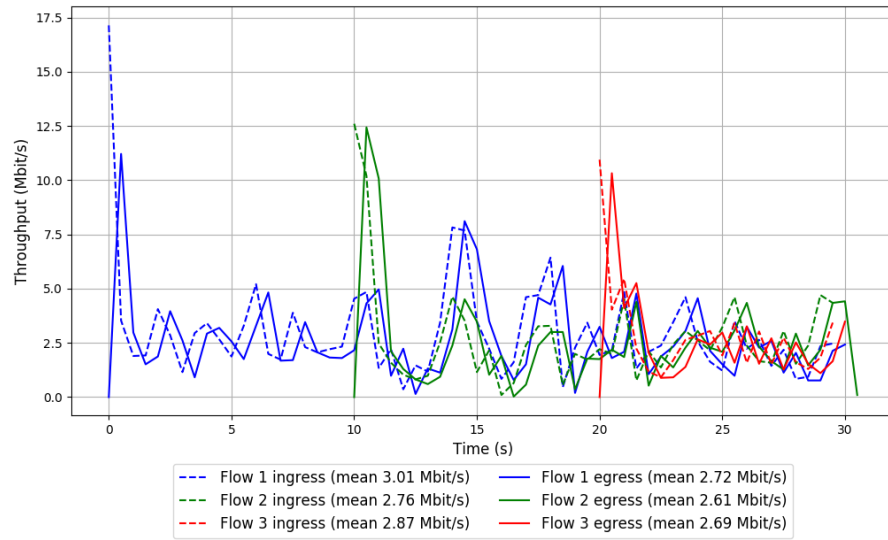


Run 3: Statistics of TCP Cubic

Start at: 2018-06-18 17:11:24
End at: 2018-06-18 17:11:54
Local clock offset: 1.711 ms
Remote clock offset: -5.579 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 8.601 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 8.287 ms
Loss rate: 9.50%
-- Flow 2:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 8.671 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 9.108 ms
Loss rate: 6.41%

Run 3: Report of TCP Cubic — Data Link

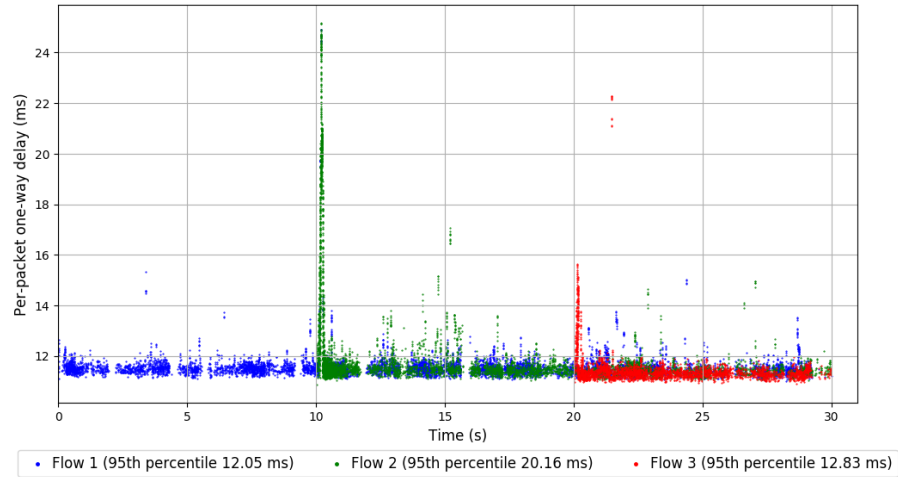
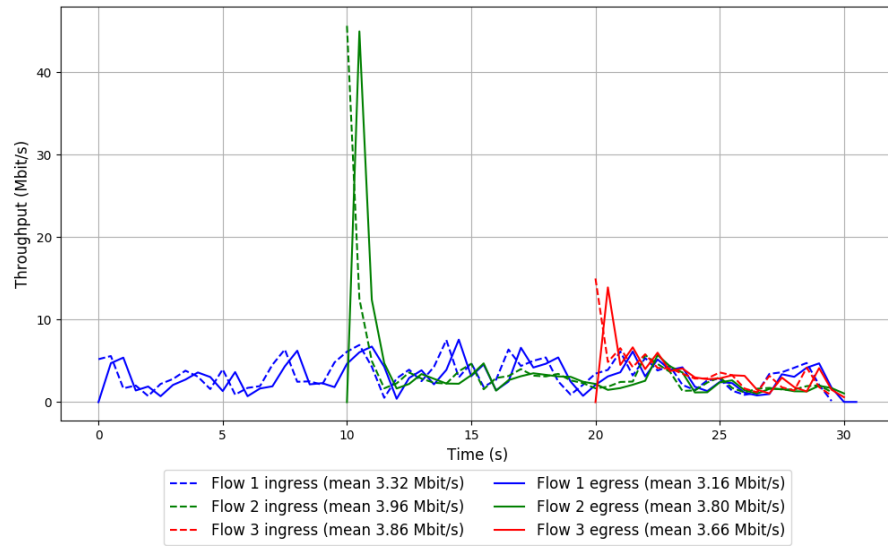


Run 4: Statistics of TCP Cubic

Start at: 2018-06-18 17:29:50
End at: 2018-06-18 17:30:20
Local clock offset: -2.226 ms
Remote clock offset: -1.243 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 14.645 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 12.047 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 20.156 ms
Loss rate: 4.20%
-- Flow 3:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 12.834 ms
Loss rate: 5.03%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-18 17:48:10

End at: 2018-06-18 17:48:40

Local clock offset: 0.712 ms

Remote clock offset: 1.626 ms

Below is generated by plot.py at 2018-06-18 19:28:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 9.050 ms

Loss rate: 3.39%

-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 9.049 ms

Loss rate: 2.91%

-- Flow 2:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 9.121 ms

Loss rate: 4.04%

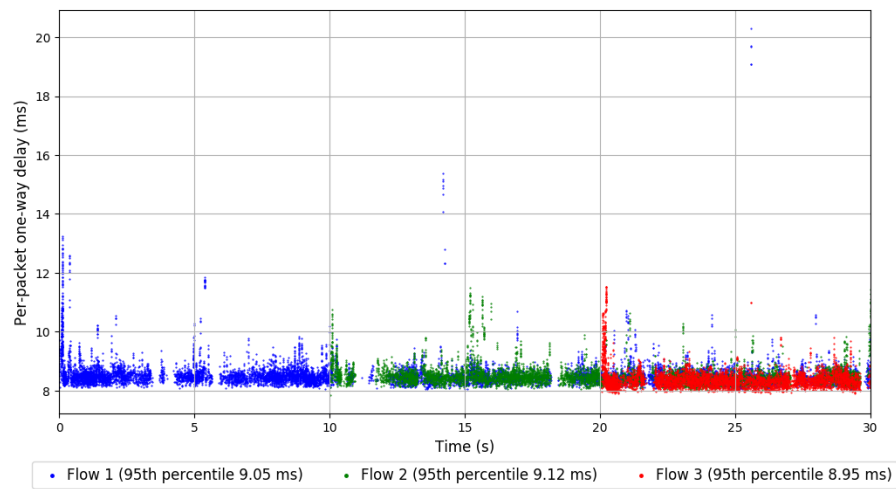
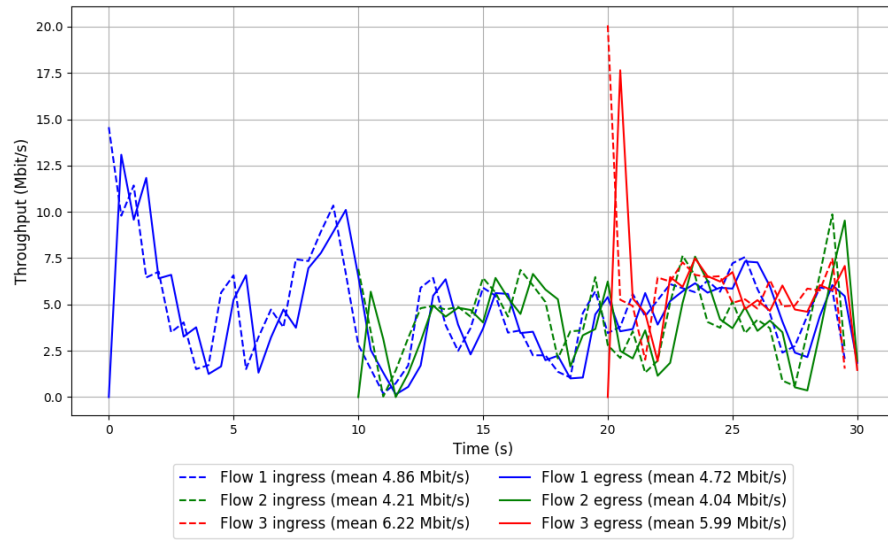
-- Flow 3:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 8.948 ms

Loss rate: 3.65%

Run 5: Report of TCP Cubic — Data Link

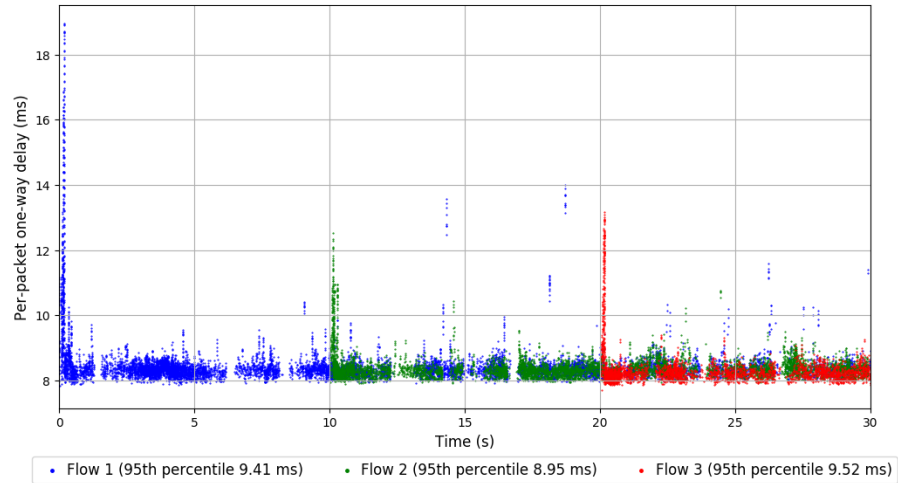
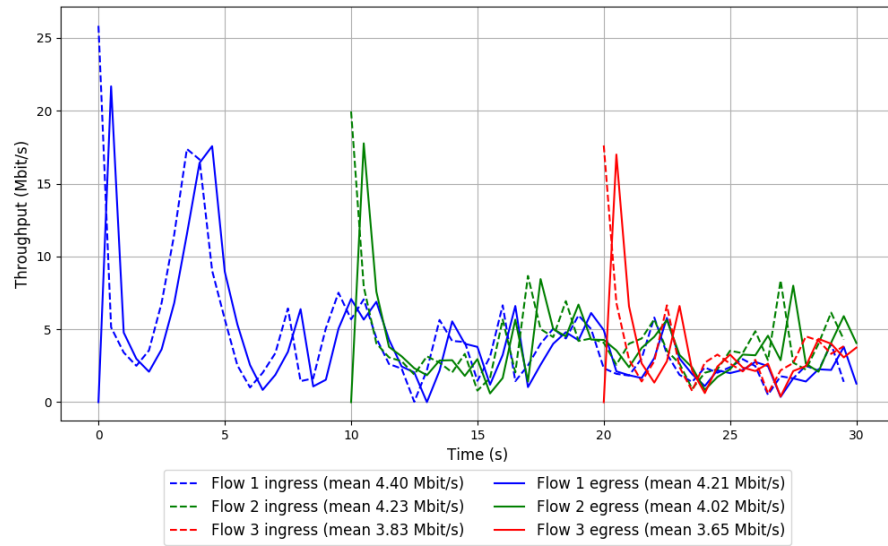


Run 6: Statistics of TCP Cubic

Start at: 2018-06-18 18:06:45
End at: 2018-06-18 18:07:15
Local clock offset: 0.876 ms
Remote clock offset: -5.302 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 9.134 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 9.411 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 8.954 ms
Loss rate: 5.14%
-- Flow 3:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 9.521 ms
Loss rate: 4.71%

Run 6: Report of TCP Cubic — Data Link

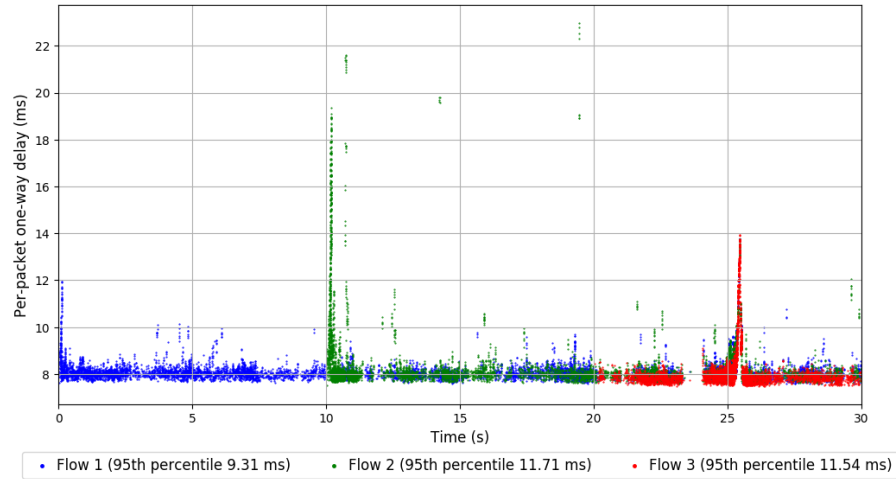
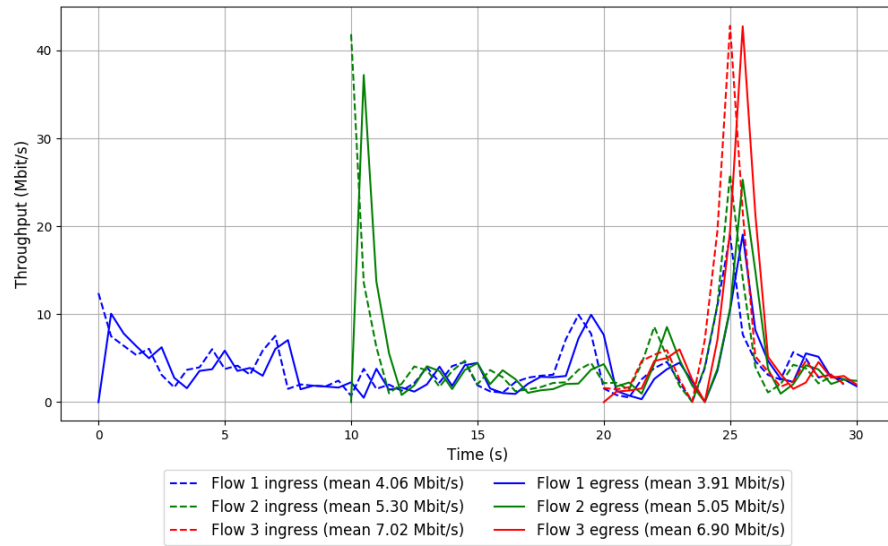


Run 7: Statistics of TCP Cubic

Start at: 2018-06-18 18:25:02
End at: 2018-06-18 18:25:32
Local clock offset: 1.686 ms
Remote clock offset: -5.912 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 10.582 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 9.314 ms
Loss rate: 3.79%
-- Flow 2:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 11.708 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 11.542 ms
Loss rate: 1.68%

Run 7: Report of TCP Cubic — Data Link

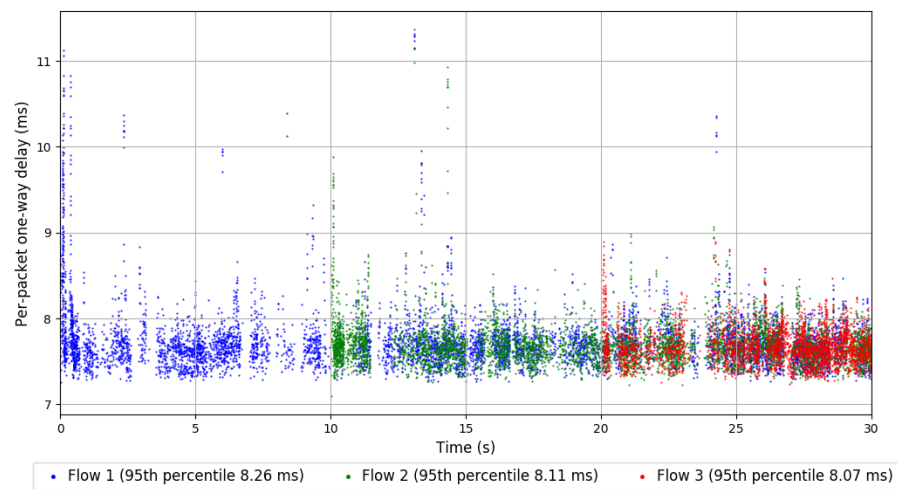
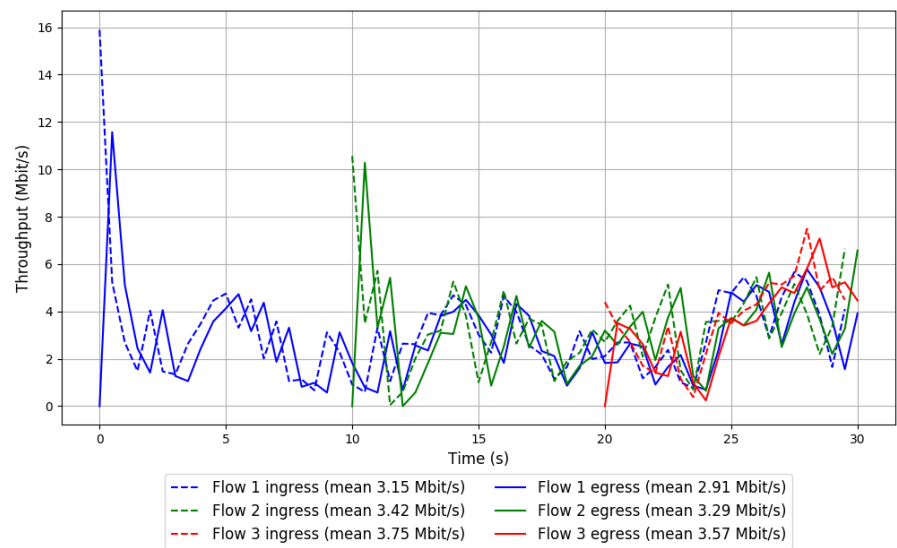


Run 8: Statistics of TCP Cubic

Start at: 2018-06-18 18:43:44
End at: 2018-06-18 18:44:14
Local clock offset: 2.652 ms
Remote clock offset: -3.401 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 8.153 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 8.255 ms
Loss rate: 7.43%
-- Flow 2:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 8.108 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 8.066 ms
Loss rate: 4.80%

Run 8: Report of TCP Cubic — Data Link

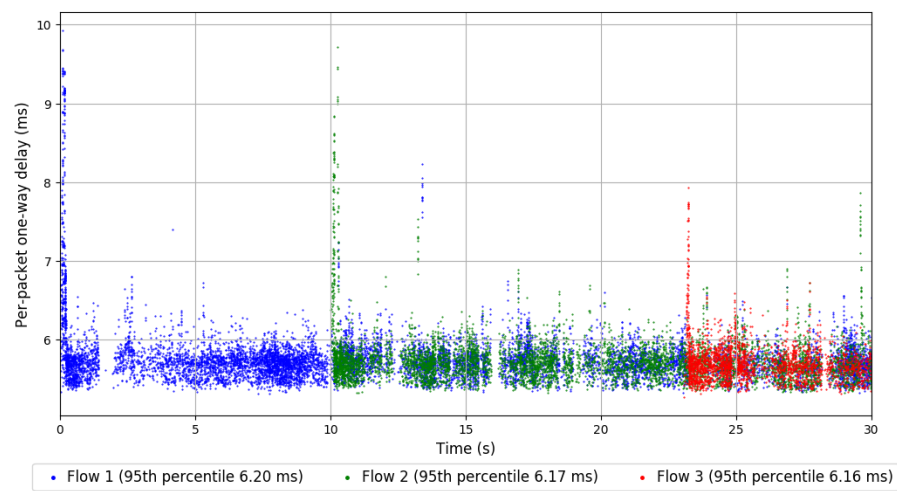
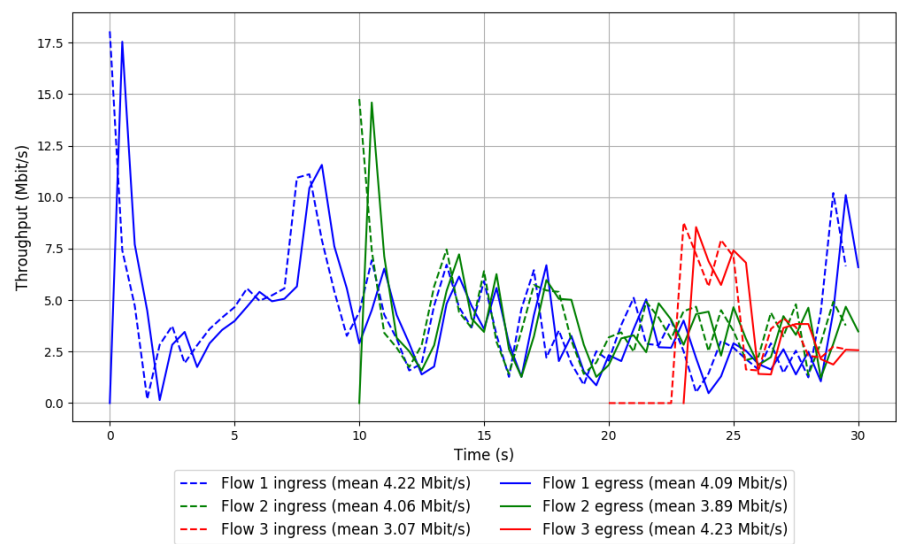


Run 9: Statistics of TCP Cubic

Start at: 2018-06-18 19:02:27
End at: 2018-06-18 19:02:57
Local clock offset: 4.024 ms
Remote clock offset: -2.941 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 6.180 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 6.197 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 6.168 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 6.163 ms
Loss rate: 4.01%

Run 9: Report of TCP Cubic — Data Link

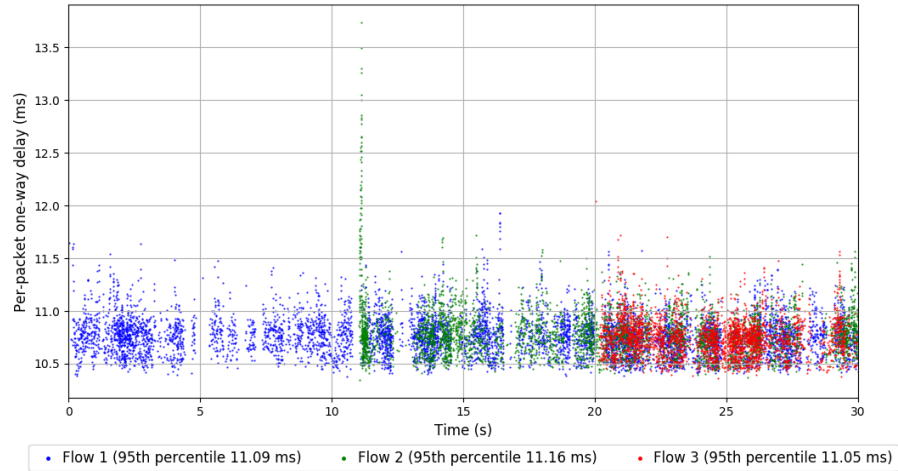
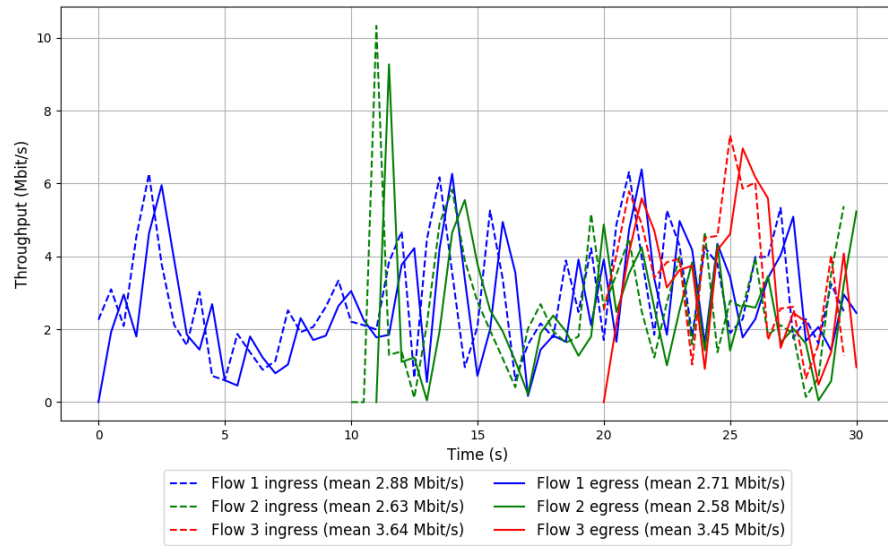


Run 10: Statistics of TCP Cubic

Start at: 2018-06-18 19:20:47
End at: 2018-06-18 19:21:17
Local clock offset: -0.576 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 11.101 ms
Loss rate: 5.91%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 11.087 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 11.159 ms
Loss rate: 6.66%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 11.050 ms
Loss rate: 5.06%

Run 10: Report of TCP Cubic — Data Link

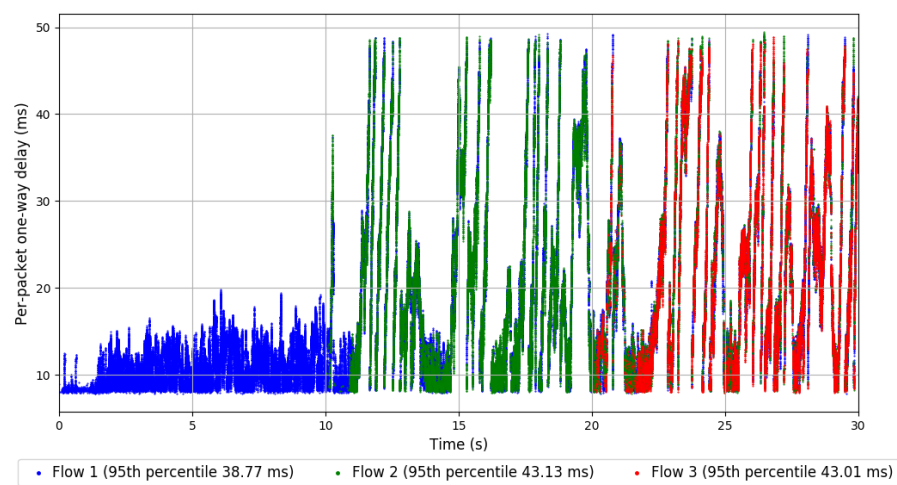
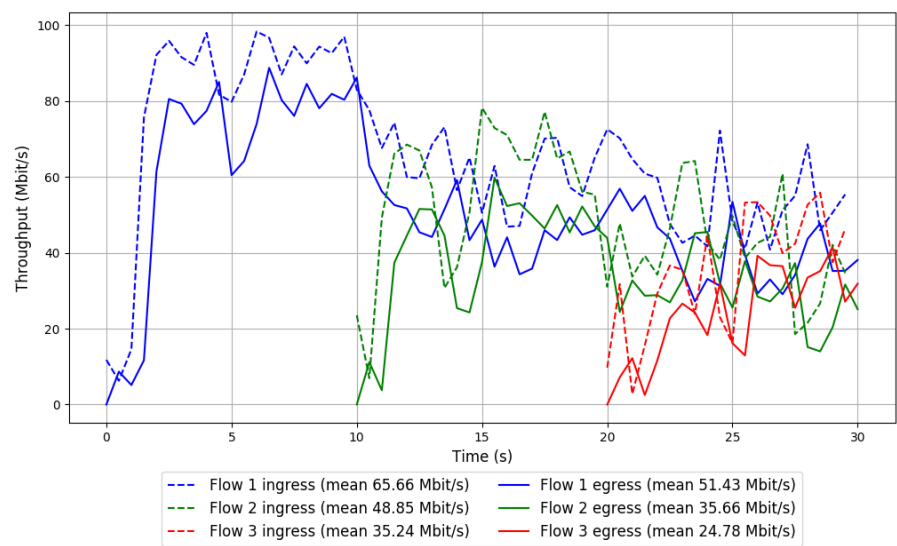


Run 1: Statistics of FillP

Start at: 2018-06-18 16:17:06
End at: 2018-06-18 16:17:36
Local clock offset: -0.38 ms
Remote clock offset: -6.747 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 41.320 ms
Loss rate: 24.00%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 38.770 ms
Loss rate: 21.59%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 43.129 ms
Loss rate: 26.89%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 43.008 ms
Loss rate: 29.51%

Run 1: Report of FillP — Data Link

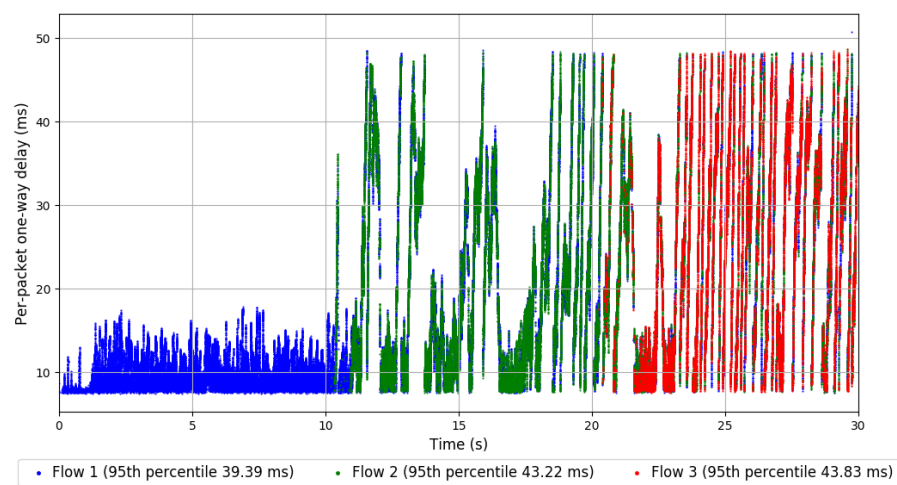
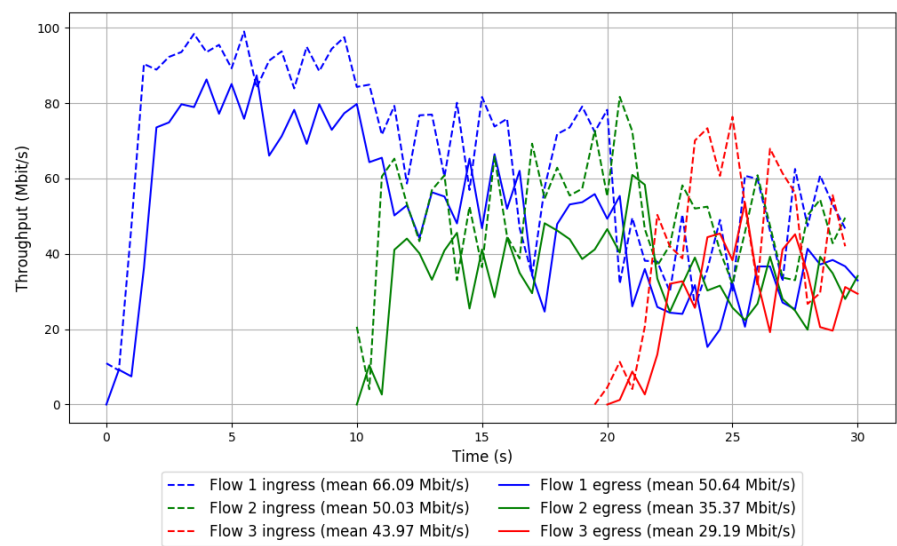


Run 2: Statistics of FillP

Start at: 2018-06-18 16:35:25
End at: 2018-06-18 16:35:56
Local clock offset: -0.015 ms
Remote clock offset: -7.636 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 41.434 ms
Loss rate: 26.68%
-- Flow 1:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 39.392 ms
Loss rate: 23.29%
-- Flow 2:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 43.221 ms
Loss rate: 29.89%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 43.826 ms
Loss rate: 34.73%

Run 2: Report of FillP — Data Link

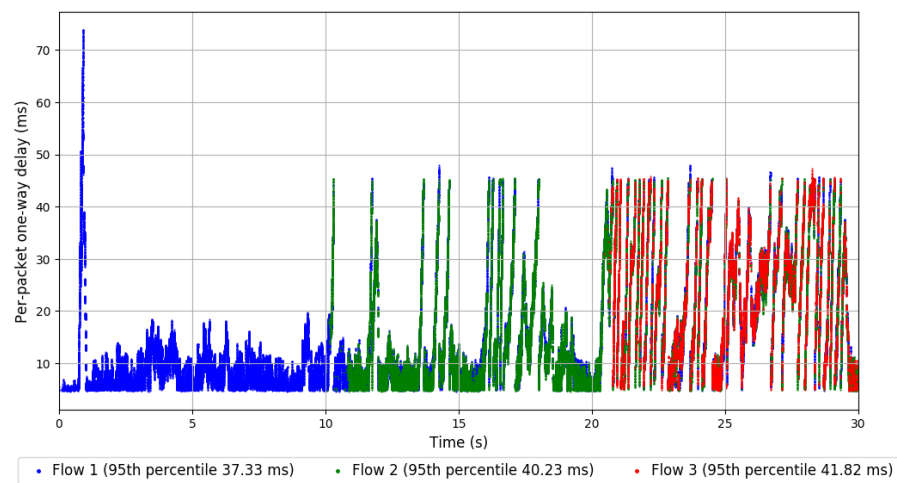
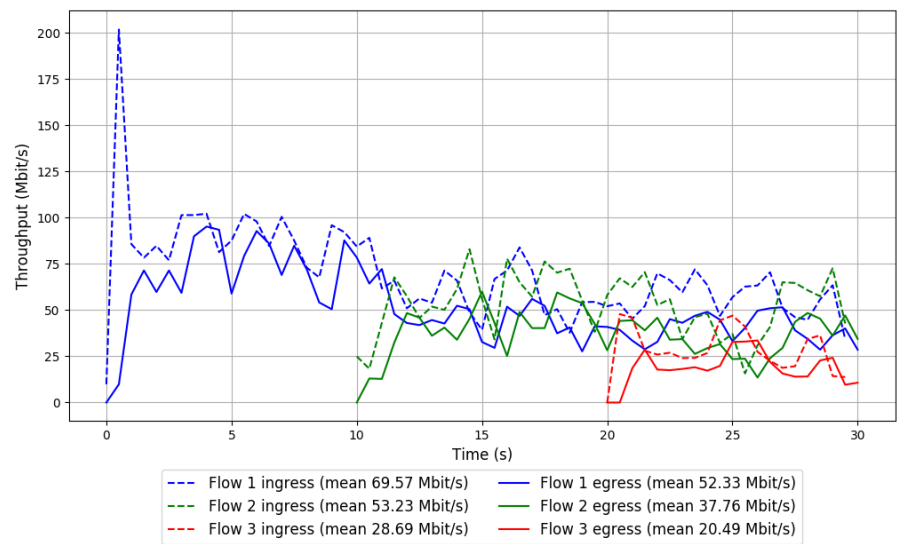


Run 3: Statistics of FillP

Start at: 2018-06-18 16:54:03
End at: 2018-06-18 16:54:33
Local clock offset: 3.644 ms
Remote clock offset: -6.302 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 39.208 ms
Loss rate: 26.68%
-- Flow 1:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 37.326 ms
Loss rate: 24.79%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 40.231 ms
Loss rate: 29.07%
-- Flow 3:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 41.817 ms
Loss rate: 31.65%

Run 3: Report of FillP — Data Link

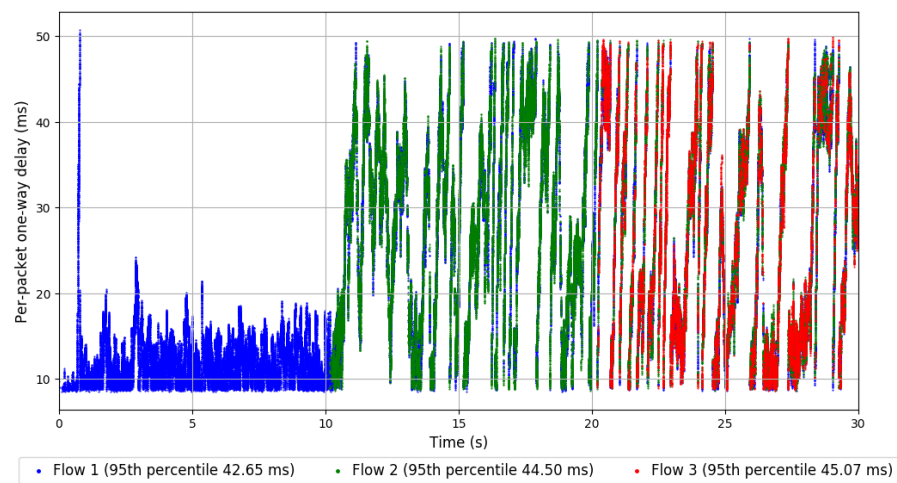
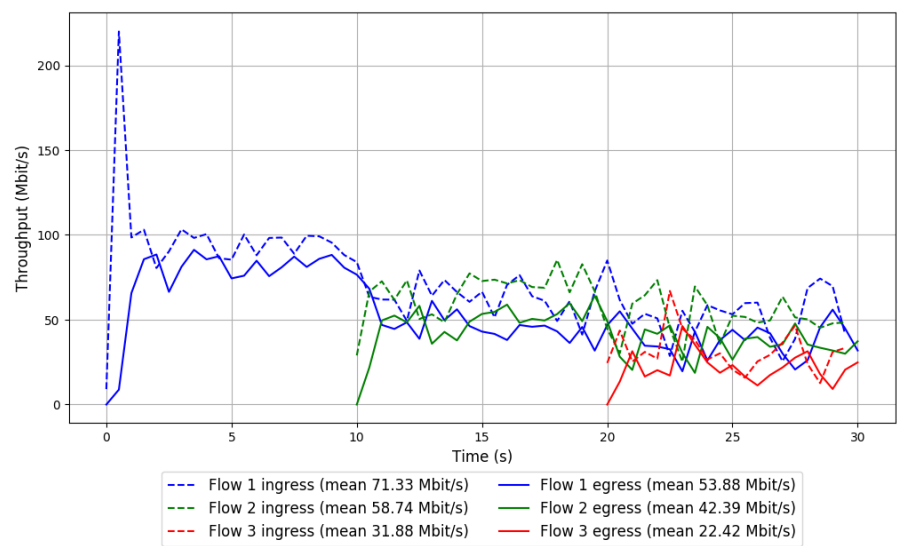


Run 4: Statistics of FillP

Start at: 2018-06-18 17:12:29
End at: 2018-06-18 17:12:59
Local clock offset: -0.193 ms
Remote clock offset: -6.075 ms

Below is generated by plot.py at 2018-06-18 19:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 43.702 ms
Loss rate: 25.95%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 42.649 ms
Loss rate: 24.41%
-- Flow 2:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 44.502 ms
Loss rate: 27.77%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 45.067 ms
Loss rate: 29.61%

Run 4: Report of FillP — Data Link

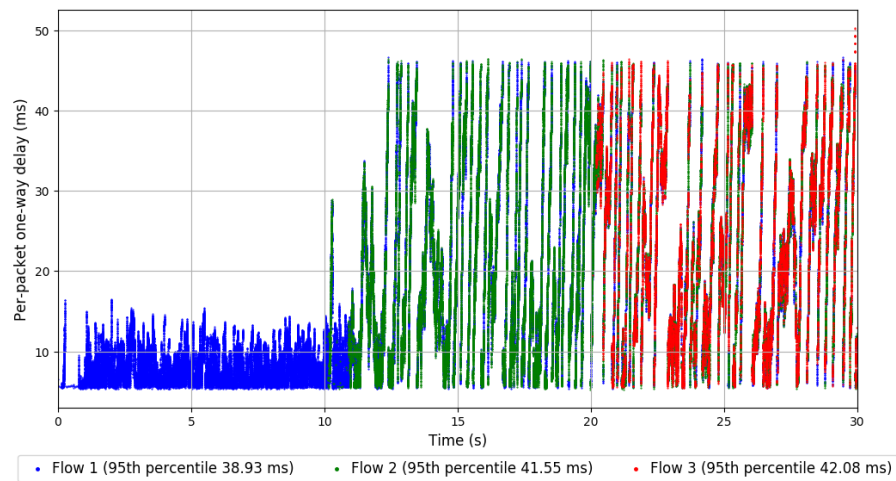
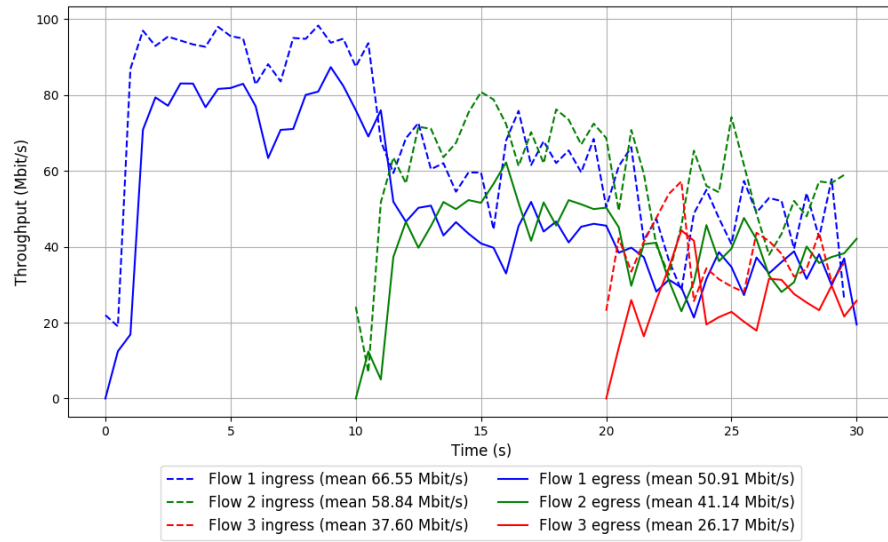


Run 5: Statistics of FillP

Start at: 2018-06-18 17:30:56
End at: 2018-06-18 17:31:26
Local clock offset: 3.149 ms
Remote clock offset: -1.134 ms

Below is generated by plot.py at 2018-06-18 19:28:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 40.526 ms
Loss rate: 26.40%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 38.929 ms
Loss rate: 23.50%
-- Flow 2:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 41.554 ms
Loss rate: 30.06%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 42.078 ms
Loss rate: 30.41%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-18 17:49:15

End at: 2018-06-18 17:49:45

Local clock offset: 0.293 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-06-18 19:29:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 43.004 ms

Loss rate: 24.06%

-- Flow 1:

Average throughput: 55.24 Mbit/s

95th percentile per-packet one-way delay: 41.744 ms

Loss rate: 22.27%

-- Flow 2:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 44.052 ms

Loss rate: 27.04%

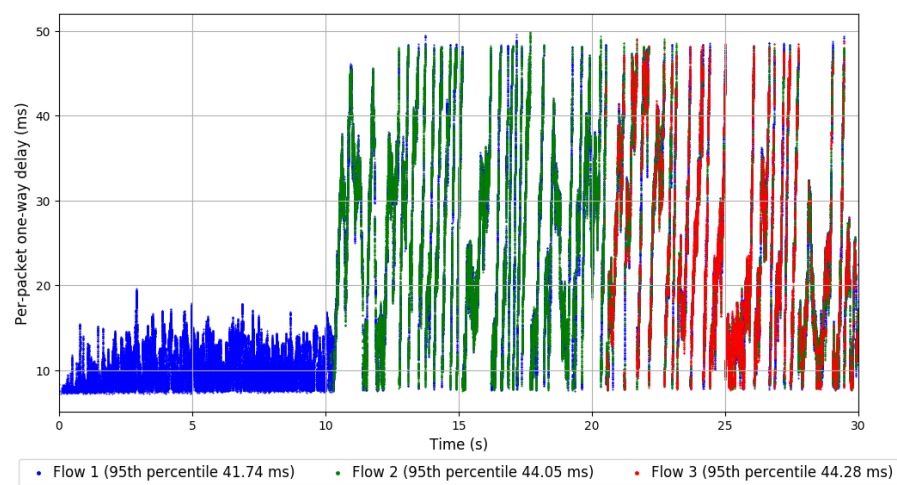
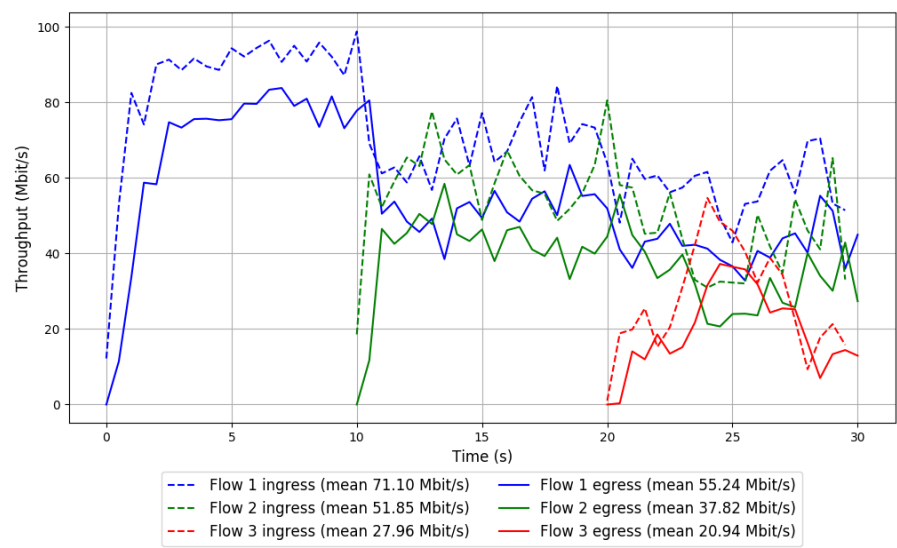
-- Flow 3:

Average throughput: 20.94 Mbit/s

95th percentile per-packet one-way delay: 44.285 ms

Loss rate: 26.72%

Run 6: Report of FillP — Data Link

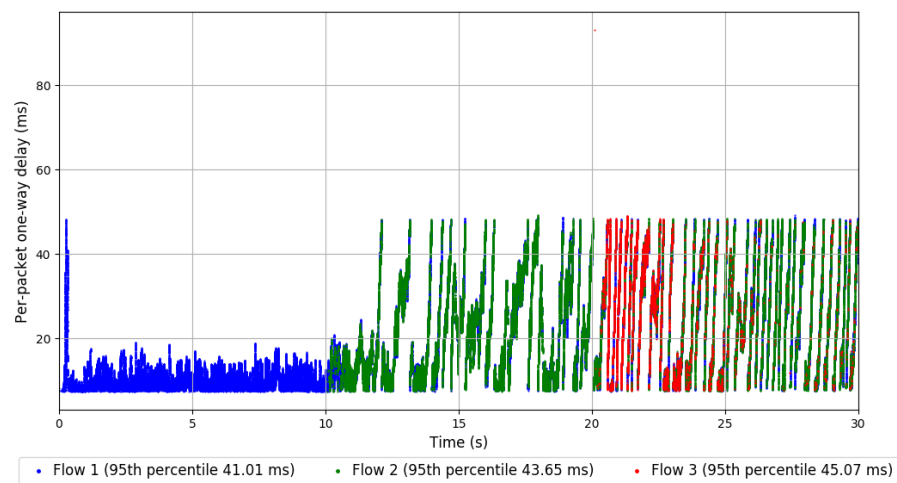
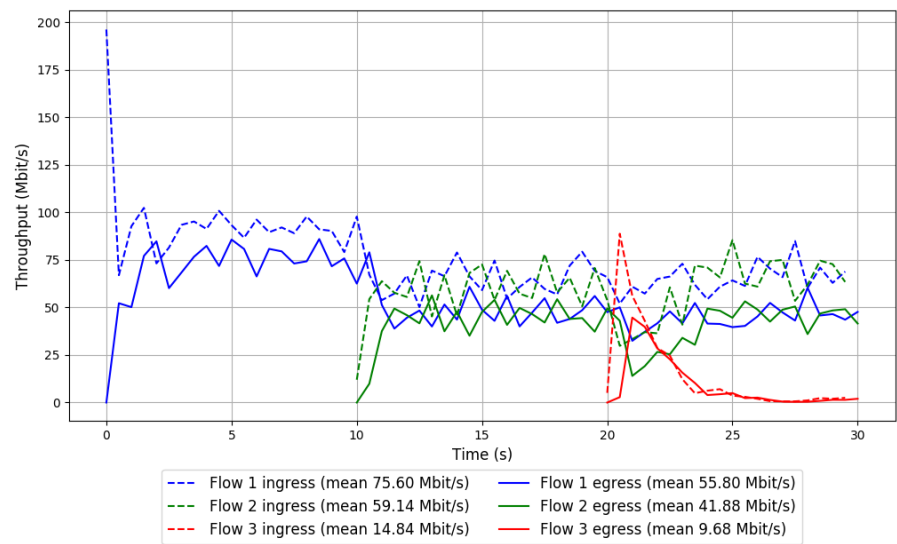


Run 7: Statistics of FillP

Start at: 2018-06-18 18:07:51
End at: 2018-06-18 18:08:21
Local clock offset: 0.509 ms
Remote clock offset: -6.077 ms

Below is generated by plot.py at 2018-06-18 19:29:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 42.508 ms
Loss rate: 27.51%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 41.008 ms
Loss rate: 26.15%
-- Flow 2:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 43.647 ms
Loss rate: 29.15%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 45.070 ms
Loss rate: 35.27%

Run 7: Report of FillP — Data Link

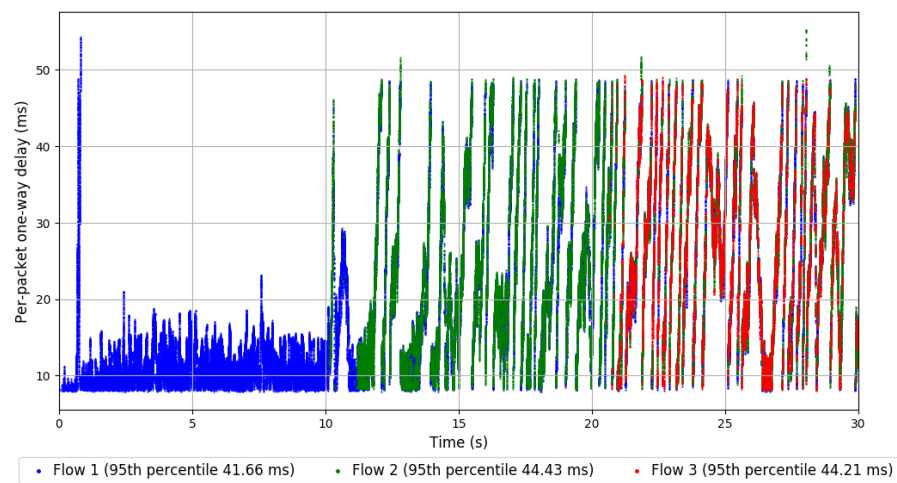
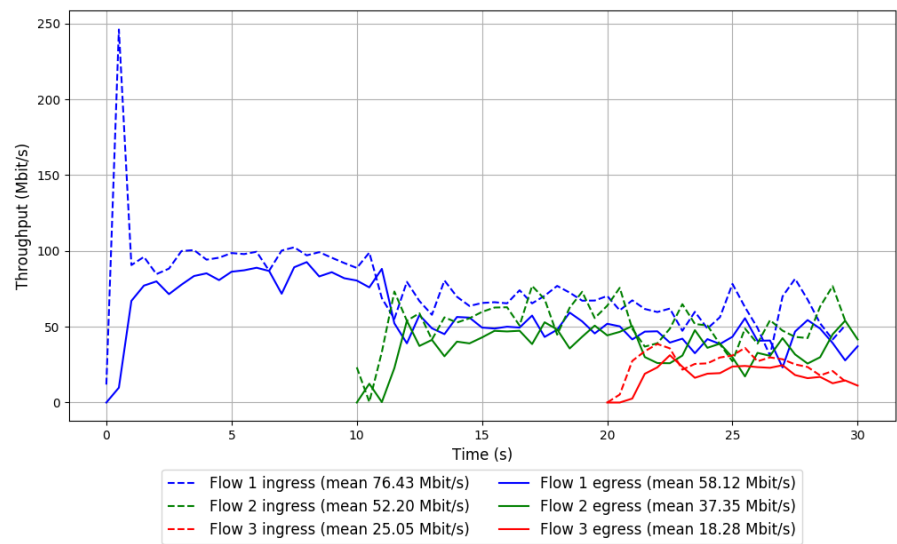


Run 8: Statistics of FillP

Start at: 2018-06-18 18:26:08
End at: 2018-06-18 18:26:38
Local clock offset: 1.084 ms
Remote clock offset: -5.735 ms

Below is generated by plot.py at 2018-06-18 19:29:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 43.109 ms
Loss rate: 25.48%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 41.660 ms
Loss rate: 23.95%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 44.428 ms
Loss rate: 28.44%
-- Flow 3:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 44.210 ms
Loss rate: 27.11%

Run 8: Report of FillP — Data Link

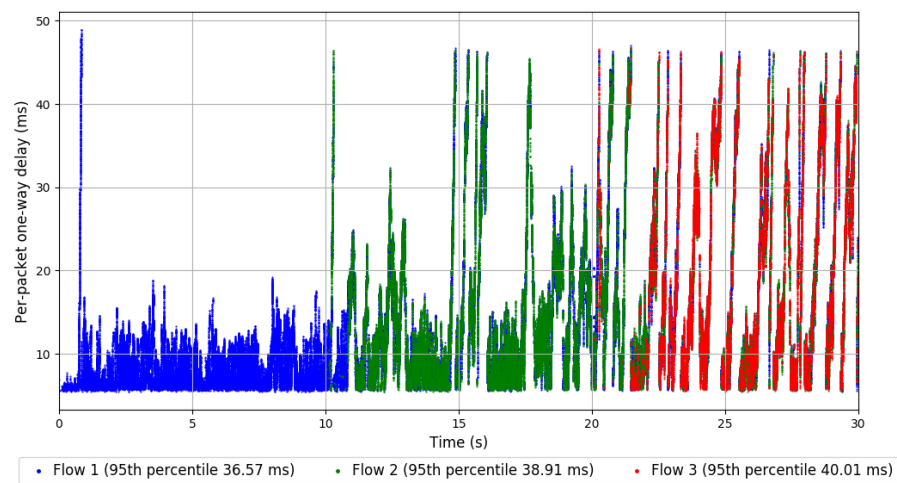
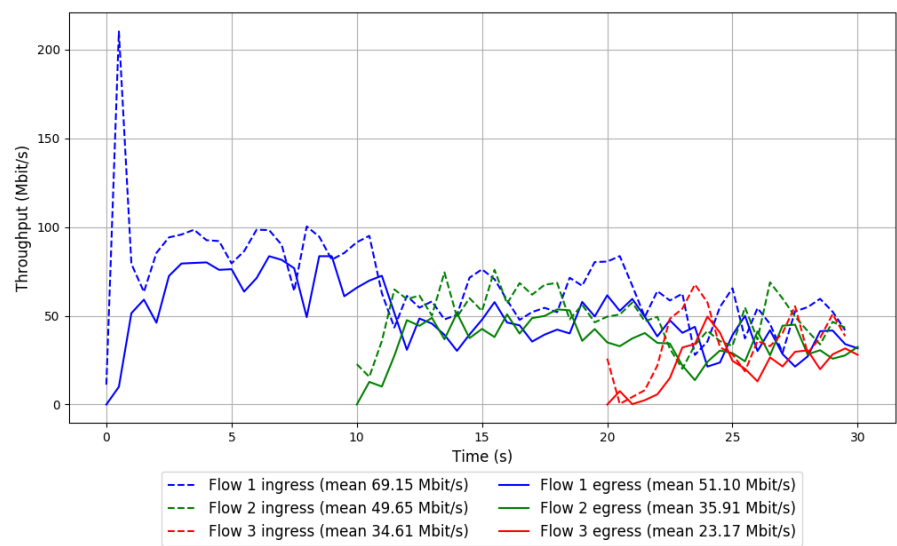


Run 9: Statistics of FillP

Start at: 2018-06-18 18:44:49
End at: 2018-06-18 18:45:19
Local clock offset: 3.75 ms
Remote clock offset: -3.826 ms

Below is generated by plot.py at 2018-06-18 19:29:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 38.002 ms
Loss rate: 27.21%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 26.06%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 38.915 ms
Loss rate: 27.62%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 40.010 ms
Loss rate: 32.96%

Run 9: Report of FillP — Data Link

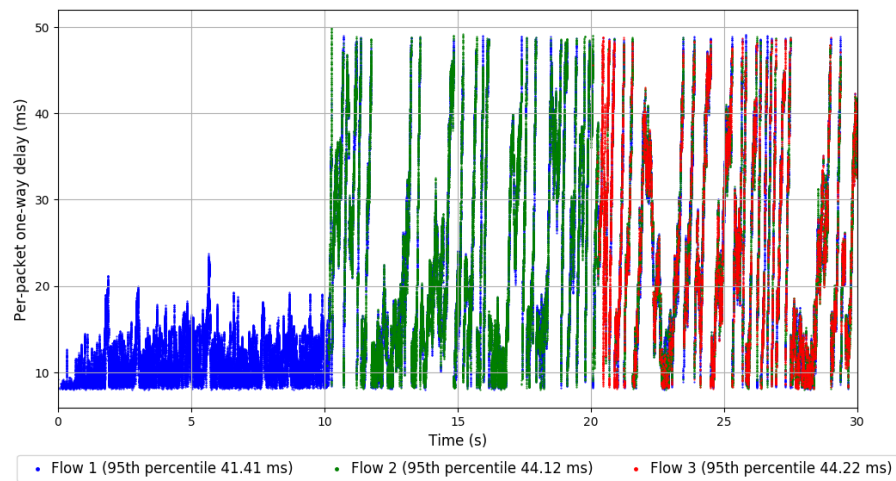
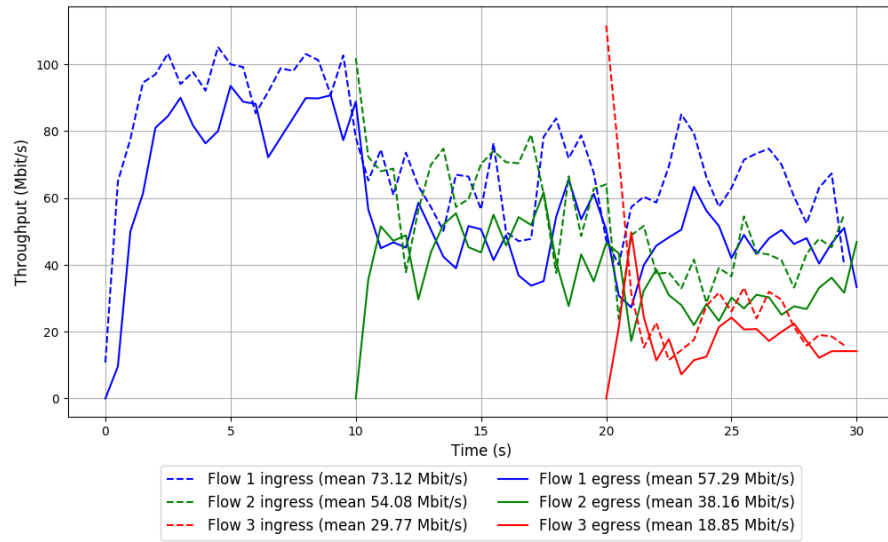


Run 10: Statistics of FillP

Start at: 2018-06-18 19:03:32
End at: 2018-06-18 19:04:02
Local clock offset: 1.632 ms
Remote clock offset: -2.367 ms

Below is generated by plot.py at 2018-06-18 19:29:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 42.910 ms
Loss rate: 25.18%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 41.410 ms
Loss rate: 21.57%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 44.119 ms
Loss rate: 29.33%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 44.215 ms
Loss rate: 36.74%

Run 10: Report of FillP — Data Link

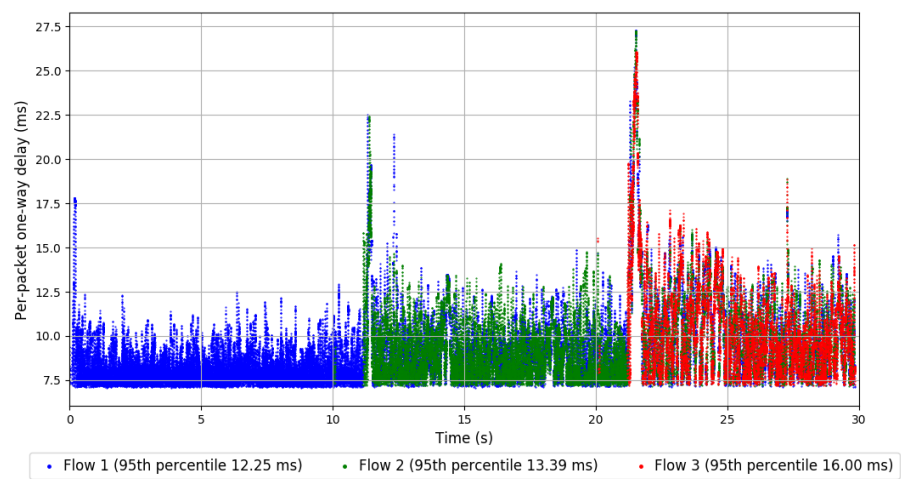
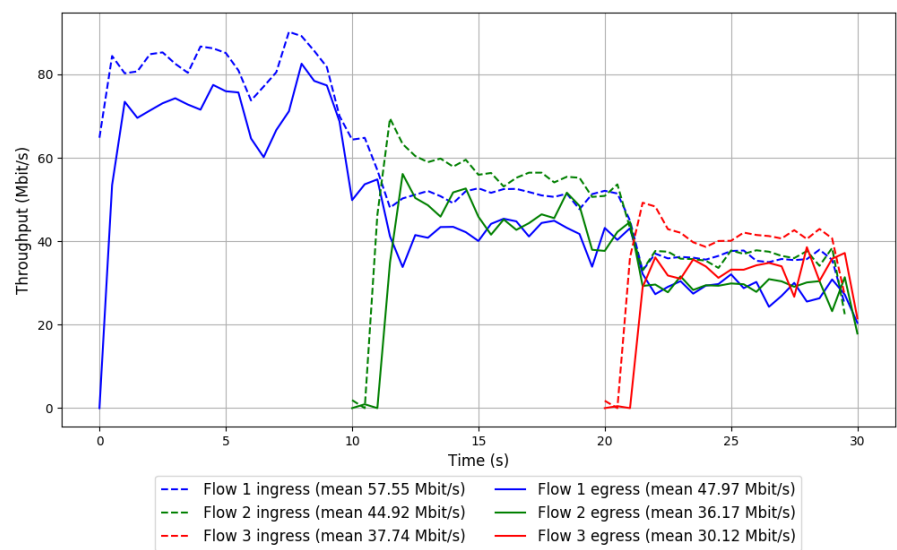


Run 1: Statistics of Indigo

Start at: 2018-06-18 16:21:37
End at: 2018-06-18 16:22:07
Local clock offset: 1.122 ms
Remote clock offset: -6.273 ms

Below is generated by plot.py at 2018-06-18 19:29:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 13.299 ms
Loss rate: 17.94%
-- Flow 1:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 12.248 ms
Loss rate: 16.65%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 13.386 ms
Loss rate: 19.47%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 15.998 ms
Loss rate: 20.24%

Run 1: Report of Indigo — Data Link

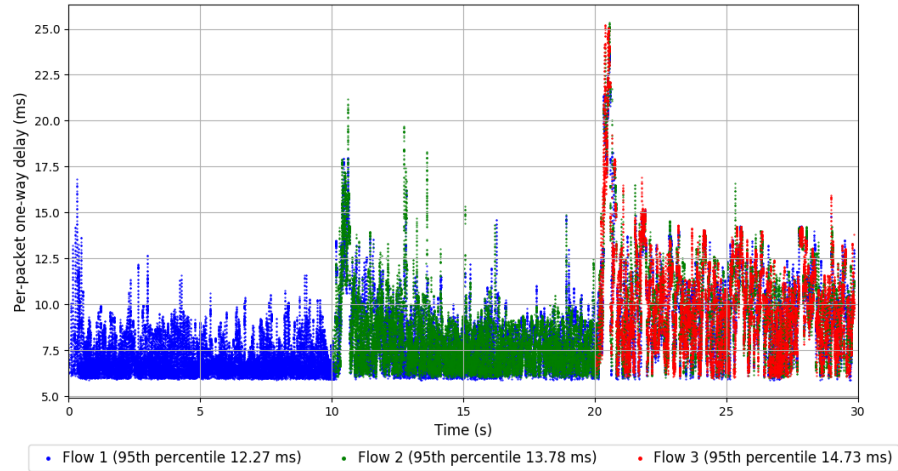
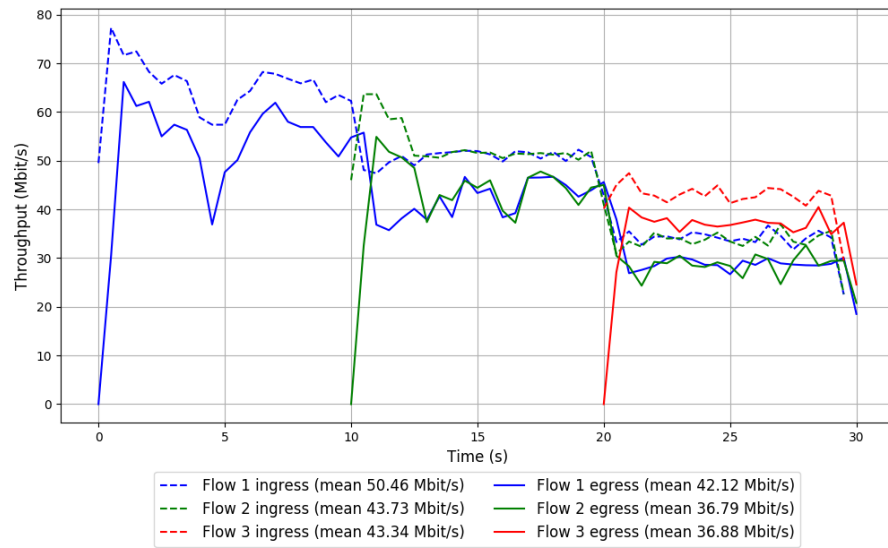


Run 2: Statistics of Indigo

Start at: 2018-06-18 16:40:11
End at: 2018-06-18 16:40:41
Local clock offset: 2.674 ms
Remote clock offset: -7.126 ms

Below is generated by plot.py at 2018-06-18 19:29:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.64 Mbit/s
95th percentile per-packet one-way delay: 13.454 ms
Loss rate: 16.06%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 12.265 ms
Loss rate: 16.51%
-- Flow 2:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 13.783 ms
Loss rate: 15.86%
-- Flow 3:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 14.726 ms
Loss rate: 14.84%

Run 2: Report of Indigo — Data Link

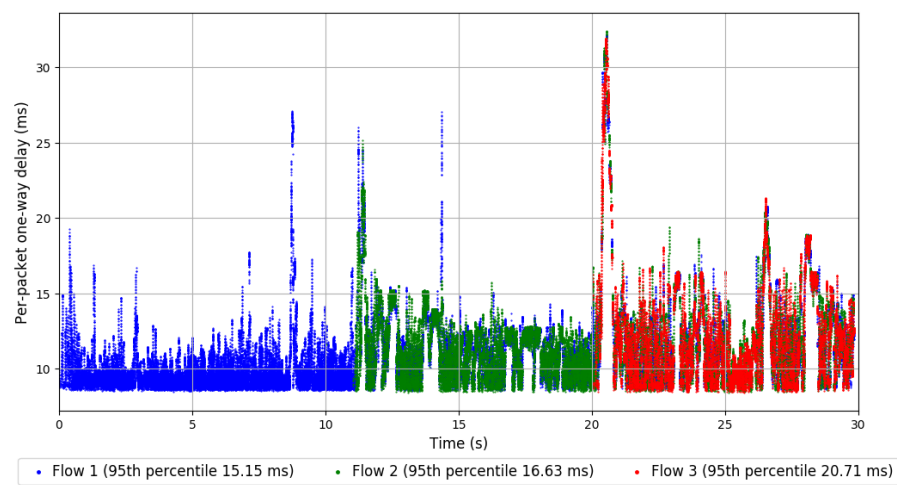
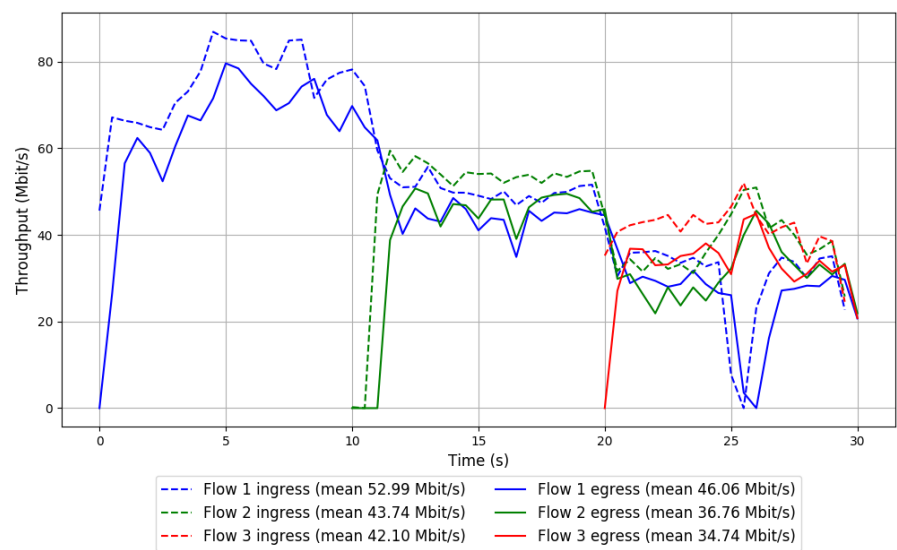


Run 3: Statistics of Indigo

Start at: 2018-06-18 16:58:34
End at: 2018-06-18 16:59:04
Local clock offset: -0.116 ms
Remote clock offset: -6.402 ms

Below is generated by plot.py at 2018-06-18 19:29:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 16.261 ms
Loss rate: 14.58%
-- Flow 1:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 15.148 ms
Loss rate: 13.07%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 16.627 ms
Loss rate: 15.94%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 20.711 ms
Loss rate: 17.50%

Run 3: Report of Indigo — Data Link

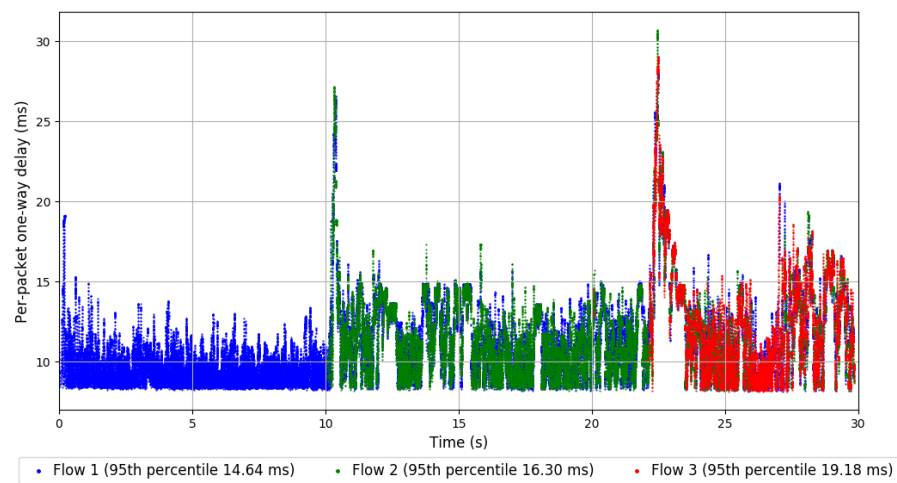
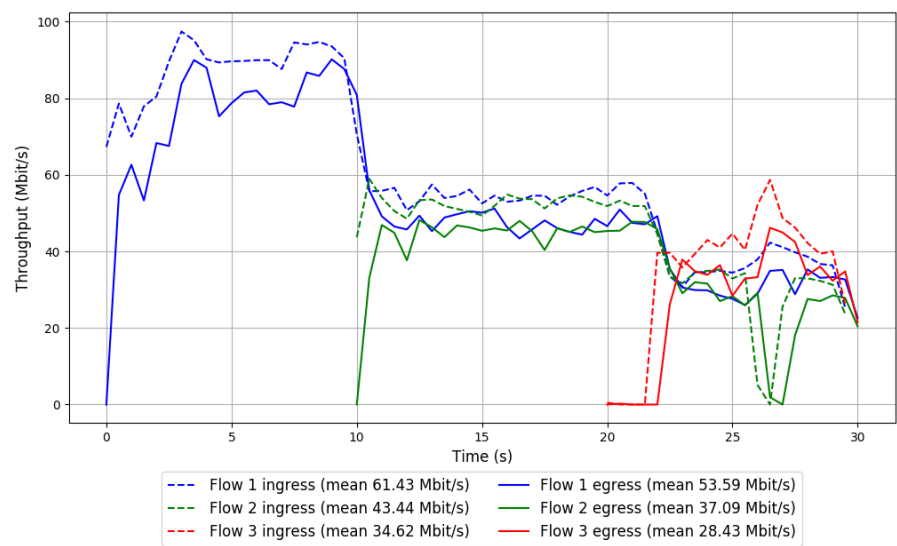


Run 4: Statistics of Indigo

Start at: 2018-06-18 17:16:56
End at: 2018-06-18 17:17:26
Local clock offset: -0.003 ms
Remote clock offset: -5.232 ms

Below is generated by plot.py at 2018-06-18 19:30:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 15.660 ms
Loss rate: 13.87%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 14.638 ms
Loss rate: 12.76%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 16.295 ms
Loss rate: 14.63%
-- Flow 3:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 17.92%

Run 4: Report of Indigo — Data Link

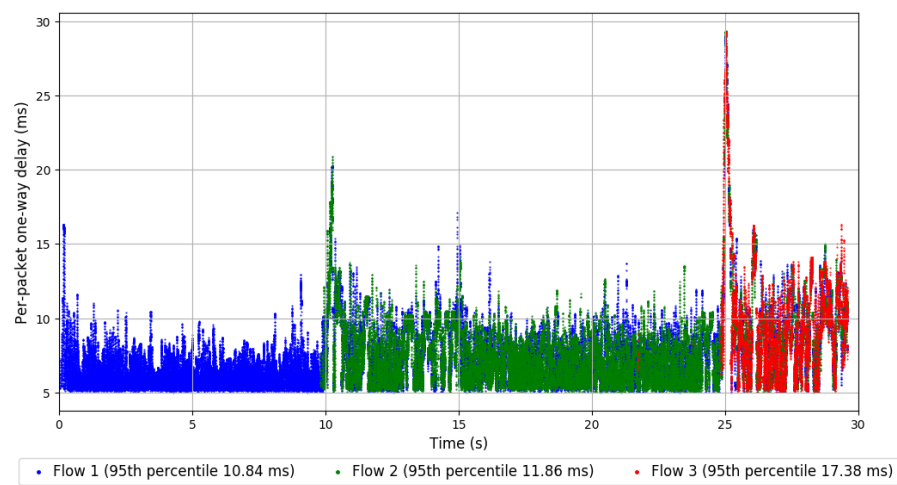
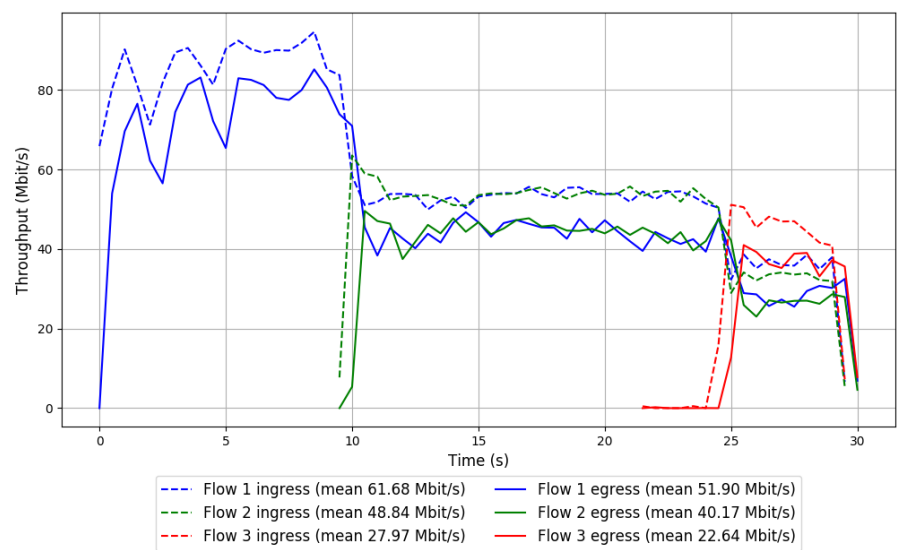


Run 5: Statistics of Indigo

Start at: 2018-06-18 17:35:27
End at: 2018-06-18 17:35:57
Local clock offset: 2.566 ms
Remote clock offset: -1.493 ms

Below is generated by plot.py at 2018-06-18 19:30:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 11.823 ms
Loss rate: 16.68%
-- Flow 1:
Average throughput: 51.90 Mbit/s
95th percentile per-packet one-way delay: 10.843 ms
Loss rate: 15.84%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 11.861 ms
Loss rate: 17.73%
-- Flow 3:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 17.381 ms
Loss rate: 19.03%

Run 5: Report of Indigo — Data Link

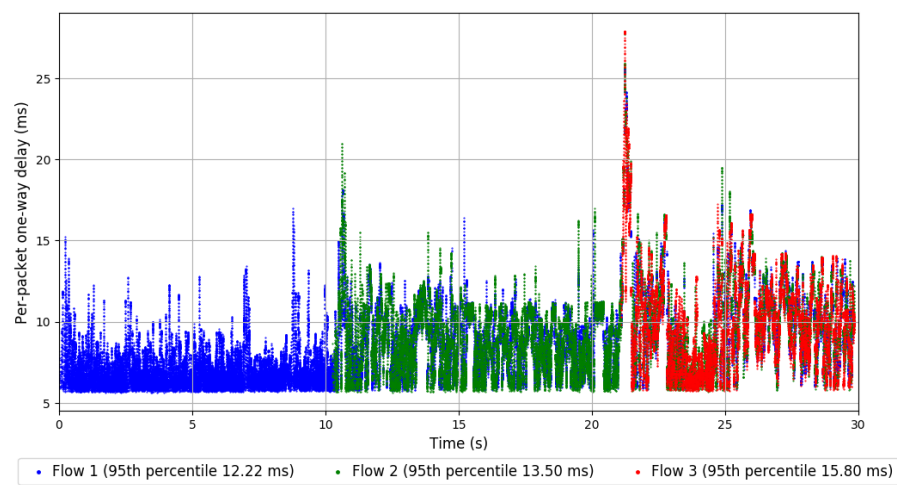
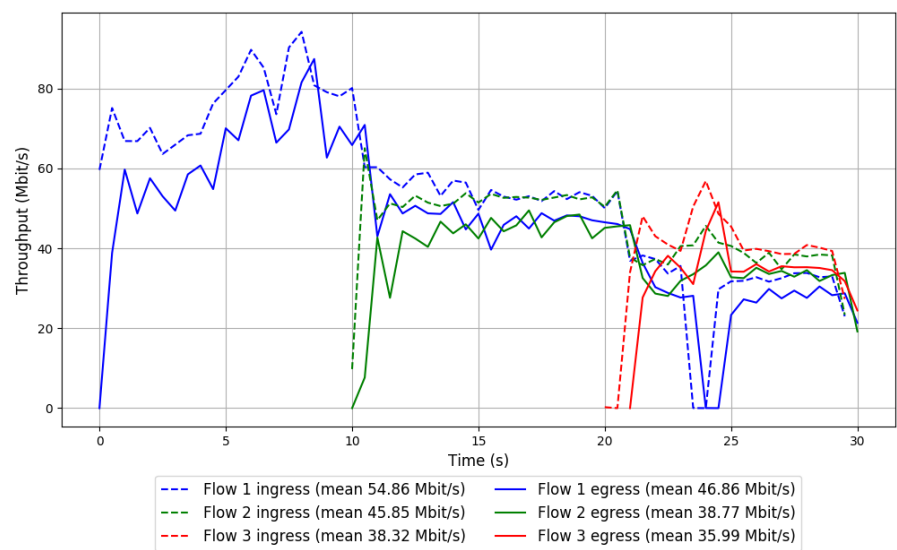


Run 6: Statistics of Indigo

Start at: 2018-06-18 17:53:51
End at: 2018-06-18 17:54:21
Local clock offset: 2.961 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-06-18 19:30:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 13.221 ms
Loss rate: 14.98%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 12.224 ms
Loss rate: 14.57%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 13.499 ms
Loss rate: 15.42%
-- Flow 3:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 15.798 ms
Loss rate: 15.70%

Run 6: Report of Indigo — Data Link

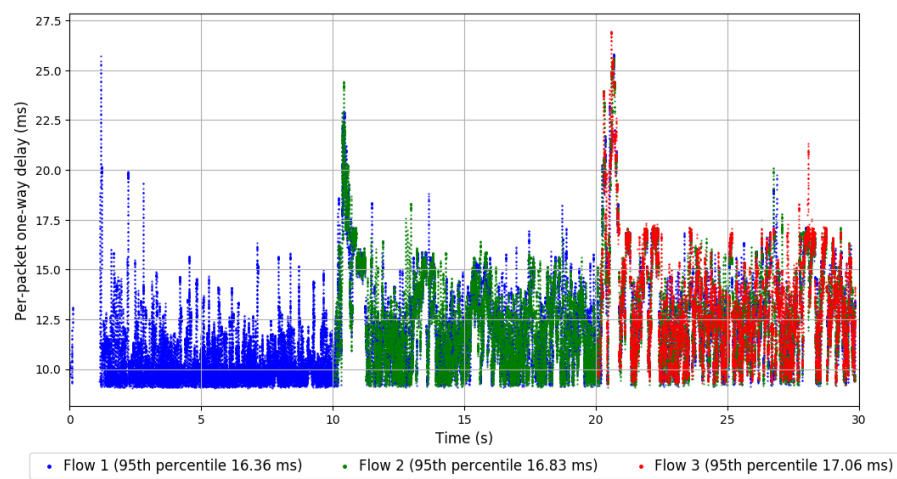
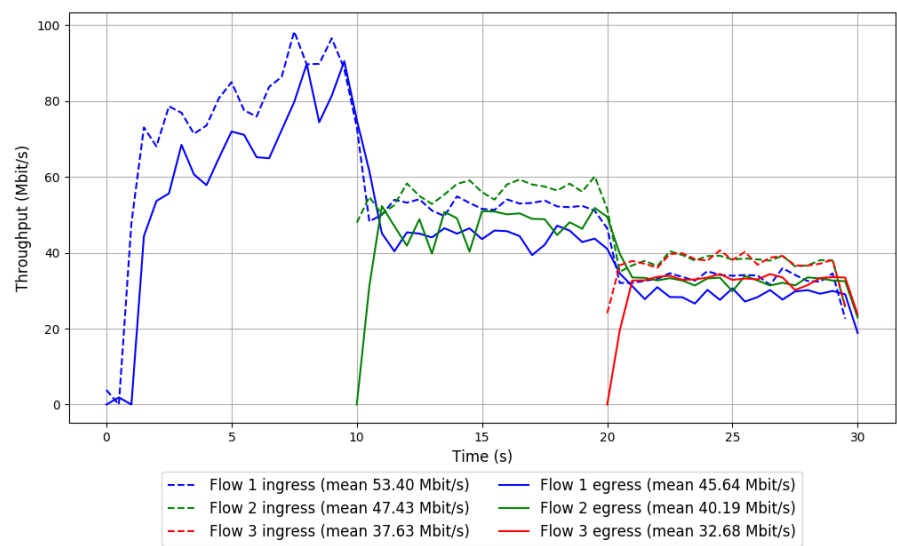


Run 7: Statistics of Indigo

Start at: 2018-06-18 18:12:22
End at: 2018-06-18 18:12:52
Local clock offset: 0.406 ms
Remote clock offset: -5.321 ms

Below is generated by plot.py at 2018-06-18 19:30:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 16.783 ms
Loss rate: 14.59%
-- Flow 1:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 16.363 ms
Loss rate: 14.51%
-- Flow 2:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 16.834 ms
Loss rate: 15.27%
-- Flow 3:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 17.064 ms
Loss rate: 13.15%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-18 18:30:35

End at: 2018-06-18 18:31:05

Local clock offset: 2.374 ms

Remote clock offset: -4.49 ms

Below is generated by plot.py at 2018-06-18 19:30:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 15.049 ms

Loss rate: 14.90%

-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 13.819 ms

Loss rate: 14.17%

-- Flow 2:

Average throughput: 38.55 Mbit/s

95th percentile per-packet one-way delay: 15.477 ms

Loss rate: 15.99%

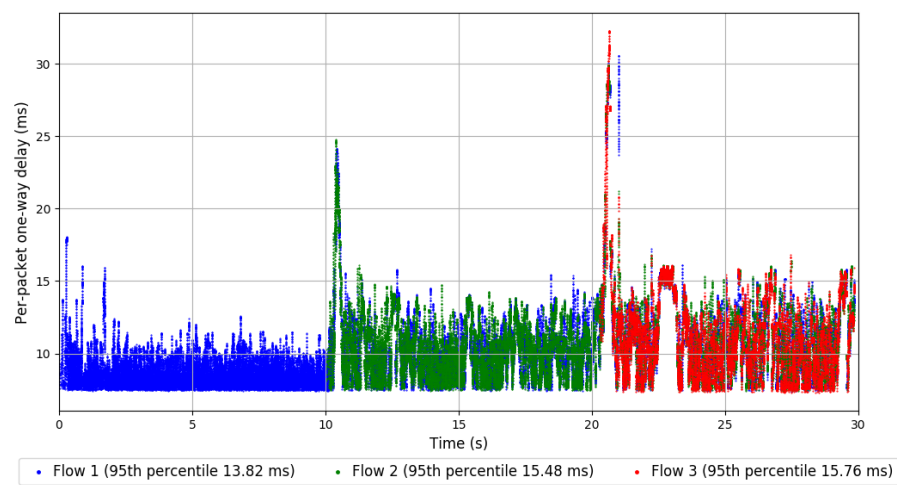
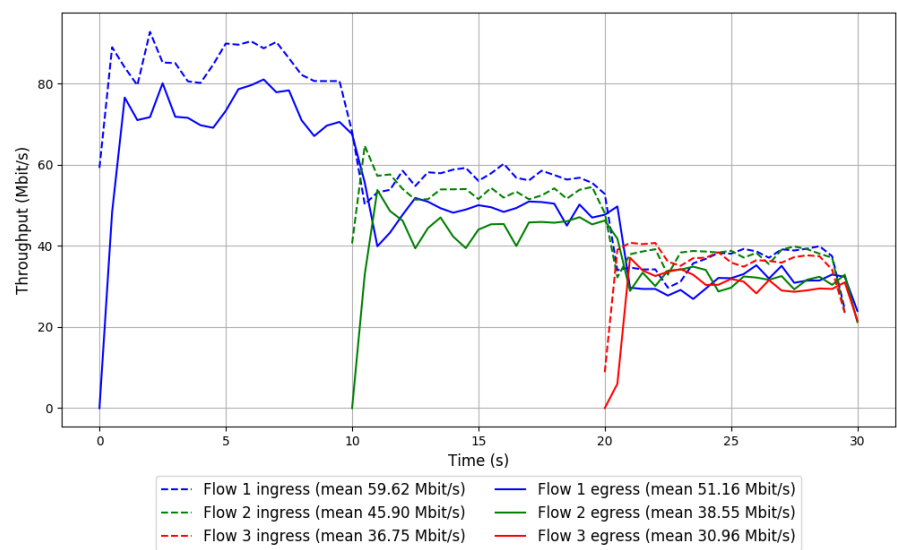
-- Flow 3:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 15.760 ms

Loss rate: 15.73%

Run 8: Report of Indigo — Data Link

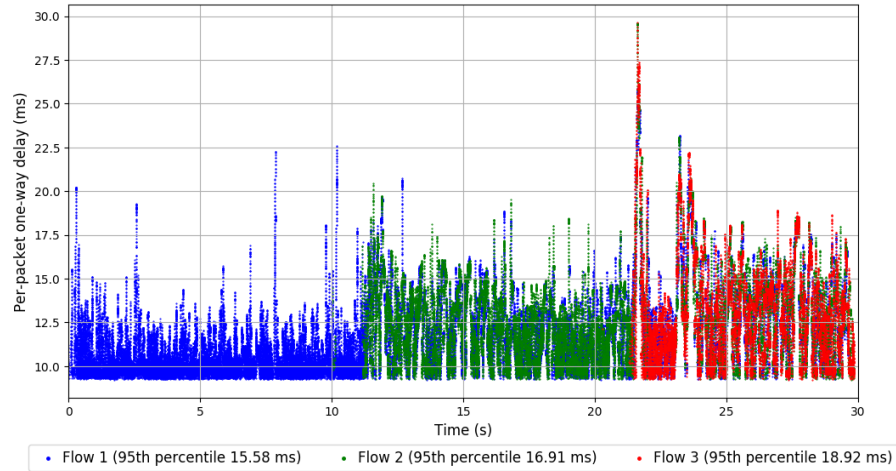
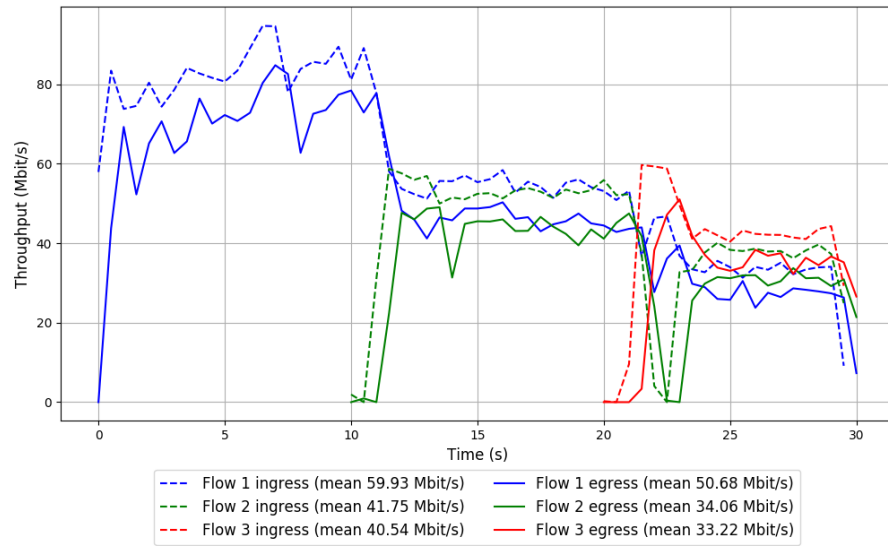


Run 9: Statistics of Indigo

Start at: 2018-06-18 18:49:34
End at: 2018-06-18 18:50:04
Local clock offset: 0.405 ms
Remote clock offset: -3.451 ms

Below is generated by plot.py at 2018-06-18 19:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 16.560 ms
Loss rate: 16.64%
-- Flow 1:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 15.582 ms
Loss rate: 15.50%
-- Flow 2:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 16.910 ms
Loss rate: 18.43%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 18.916 ms
Loss rate: 18.09%

Run 9: Report of Indigo — Data Link

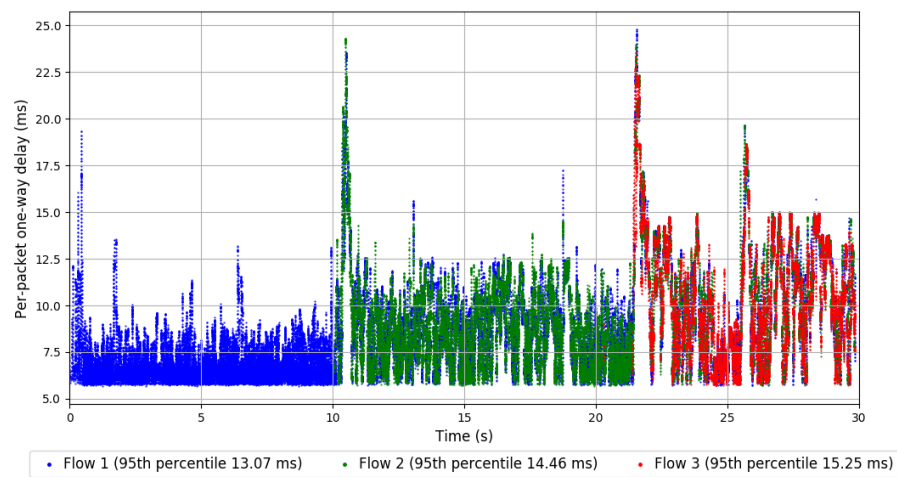
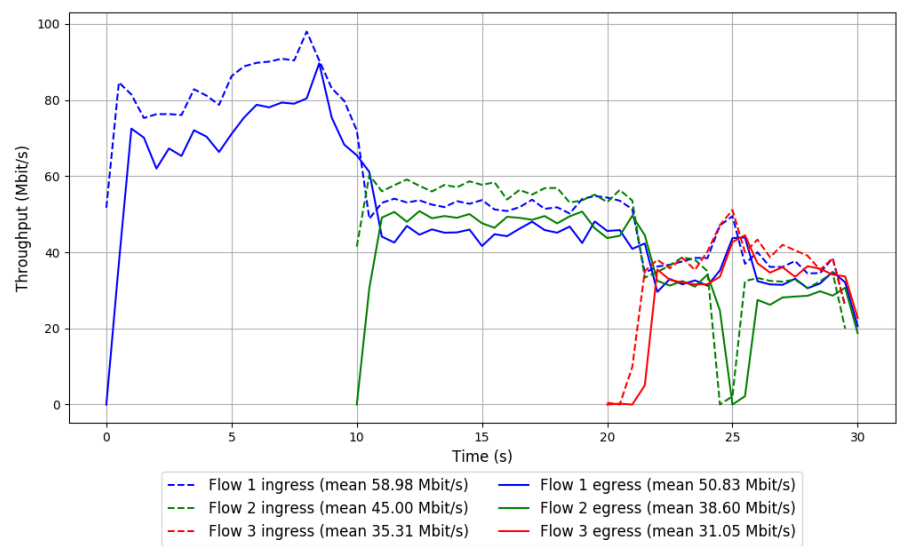


Run 10: Statistics of Indigo

Start at: 2018-06-18 19:08:06
End at: 2018-06-18 19:08:36
Local clock offset: 3.653 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 14.176 ms
Loss rate: 13.74%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 13.071 ms
Loss rate: 13.82%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 14.462 ms
Loss rate: 14.22%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 15.254 ms
Loss rate: 12.06%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-06-18 16:30:53

End at: 2018-06-18 16:31:23

Local clock offset: 0.502 ms

Remote clock offset: -7.84 ms

Below is generated by plot.py at 2018-06-18 19:31:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 7.625 ms

Loss rate: 4.62%

-- Flow 1:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 7.518 ms

Loss rate: 3.42%

-- Flow 2:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 7.923 ms

Loss rate: 4.96%

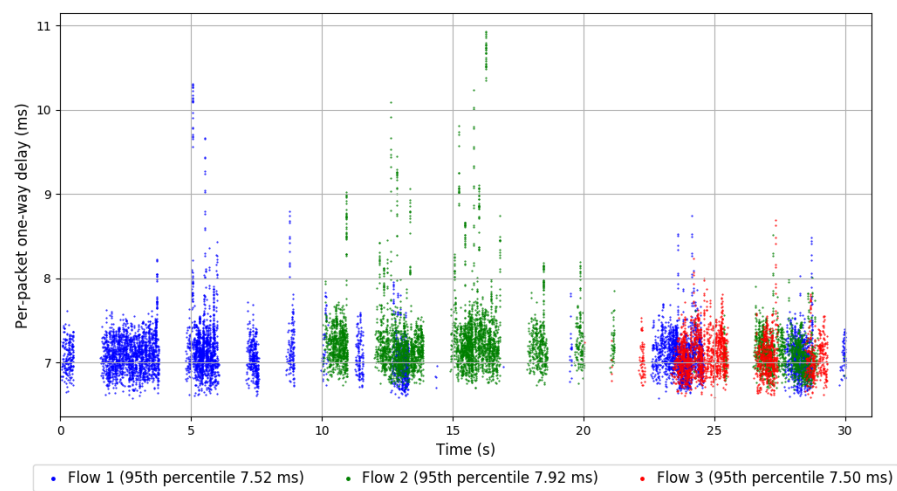
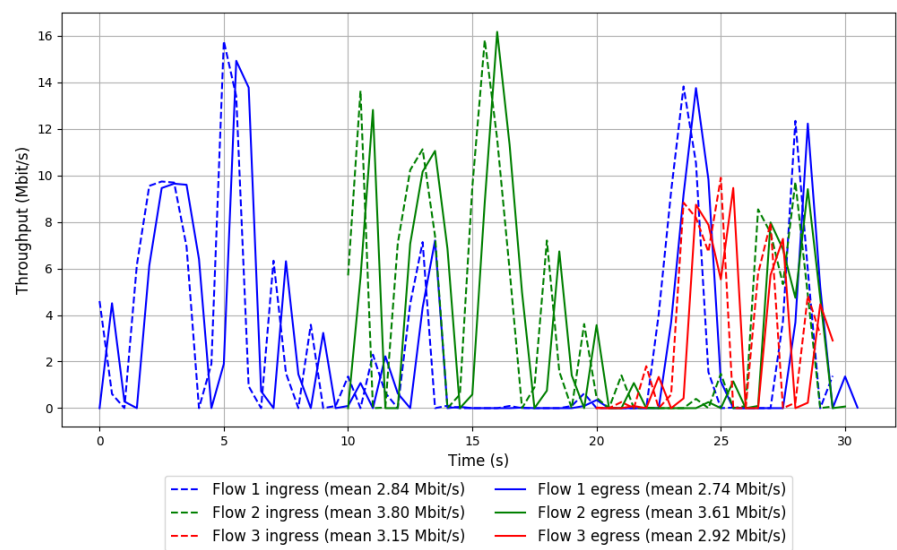
-- Flow 3:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 7.498 ms

Loss rate: 7.23%

Run 1: Report of LEDBAT — Data Link

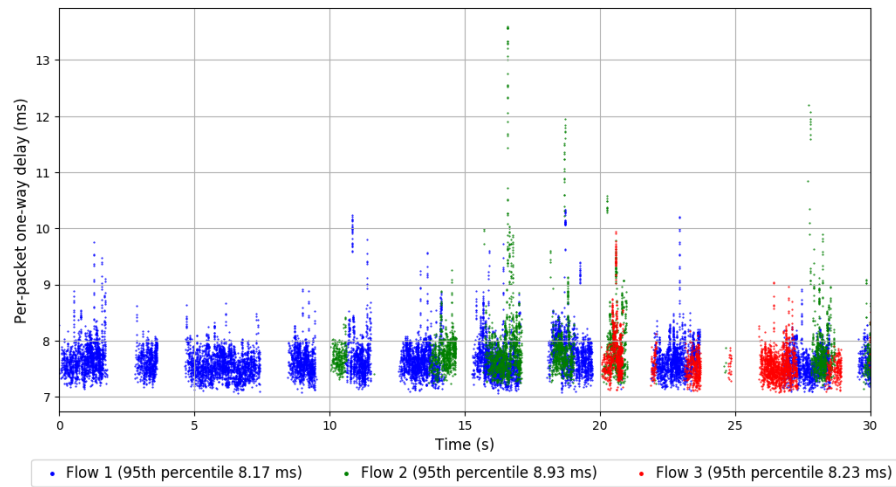
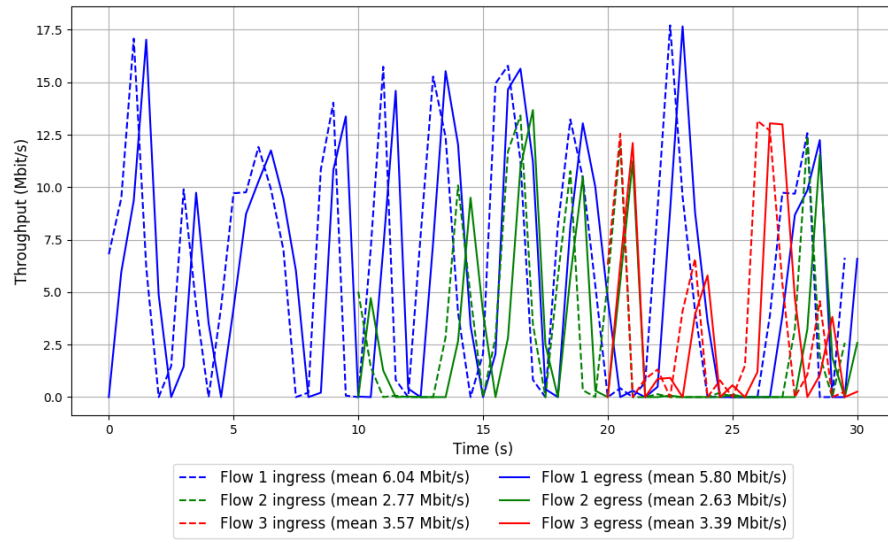


Run 2: Statistics of LEDBAT

Start at: 2018-06-18 16:49:27
End at: 2018-06-18 16:49:57
Local clock offset: 1.621 ms
Remote clock offset: -6.112 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 8.280 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 8.168 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 8.926 ms
Loss rate: 5.29%
-- Flow 3:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 8.228 ms
Loss rate: 5.11%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-18 17:07:57

End at: 2018-06-18 17:08:27

Local clock offset: 2.073 ms

Remote clock offset: -6.57 ms

Below is generated by plot.py at 2018-06-18 19:31:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.74 Mbit/s

95th percentile per-packet one-way delay: 7.233 ms

Loss rate: 3.42%

-- Flow 1:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 7.117 ms

Loss rate: 2.89%

-- Flow 2:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 7.730 ms

Loss rate: 3.70%

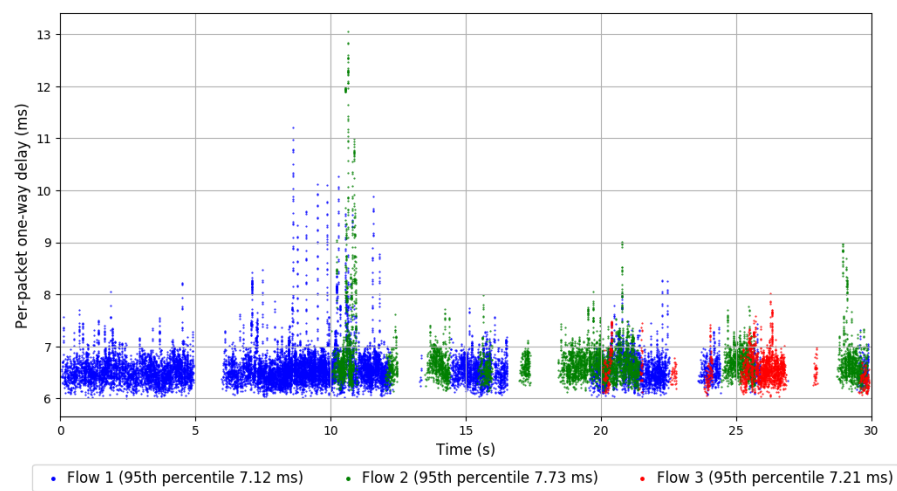
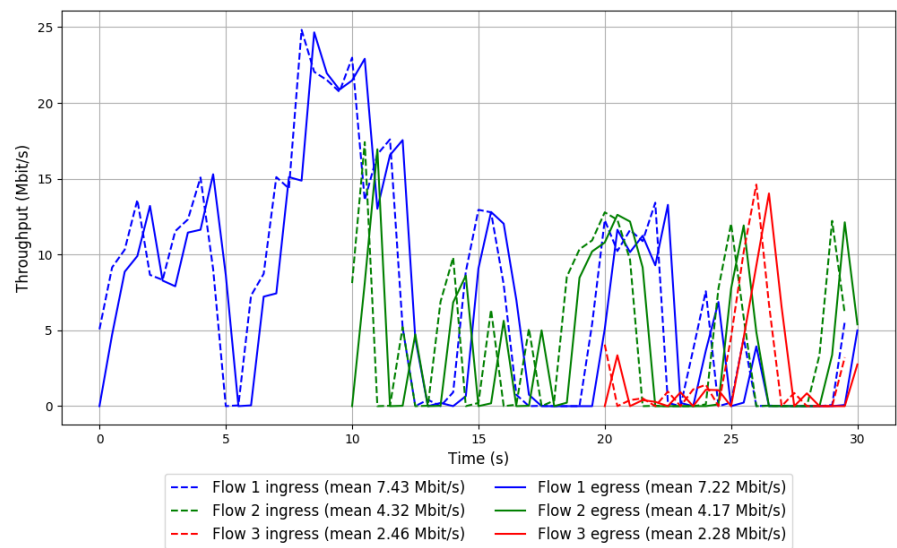
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 7.209 ms

Loss rate: 7.33%

Run 3: Report of LEDBAT — Data Link

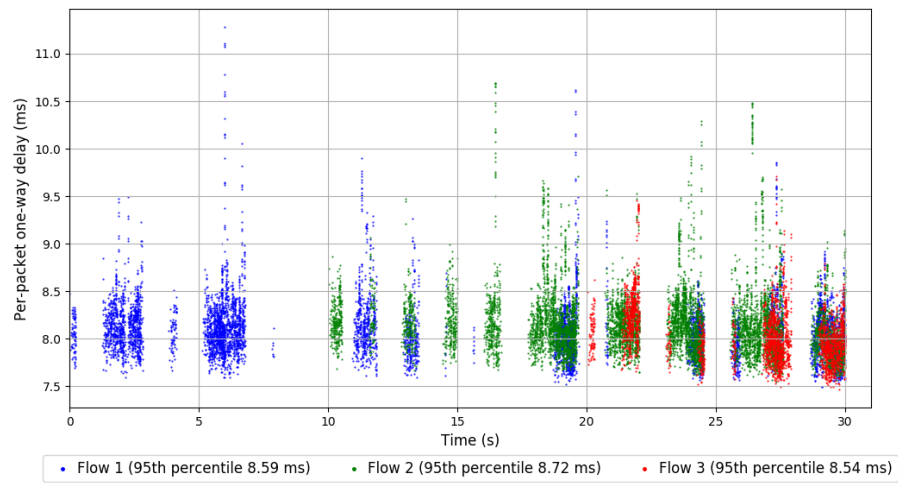
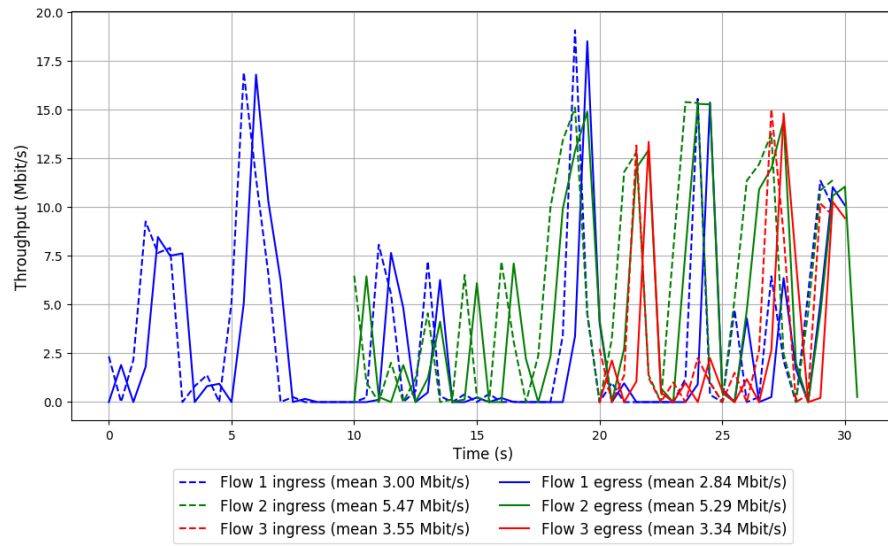


Run 4: Statistics of LEDBAT

Start at: 2018-06-18 17:26:20
End at: 2018-06-18 17:26:50
Local clock offset: 0.879 ms
Remote clock offset: -2.144 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 8.630 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 8.590 ms
Loss rate: 5.61%
-- Flow 2:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 8.722 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 8.544 ms
Loss rate: 5.74%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-18 17:44:38

End at: 2018-06-18 17:45:08

Local clock offset: -1.277 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-06-18 19:31:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 11.127 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 5.73 Mbit/s

95th percentile per-packet one-way delay: 11.186 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 10.951 ms

Loss rate: 2.75%

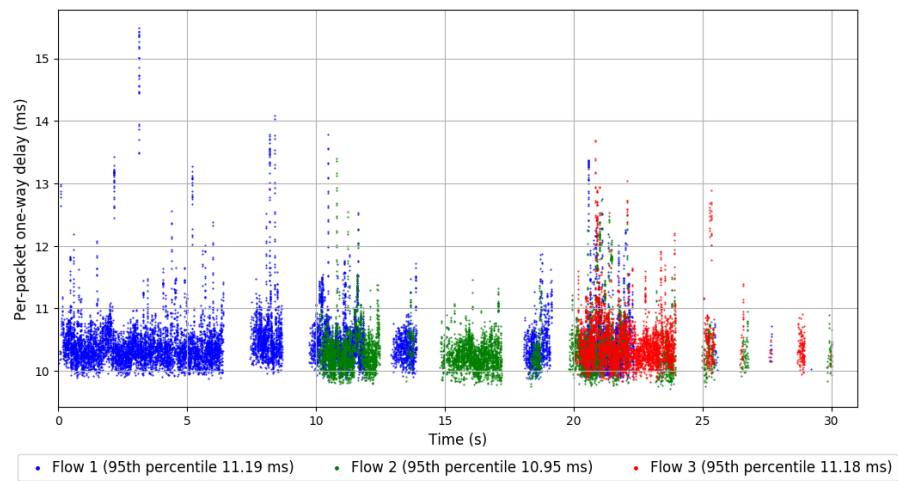
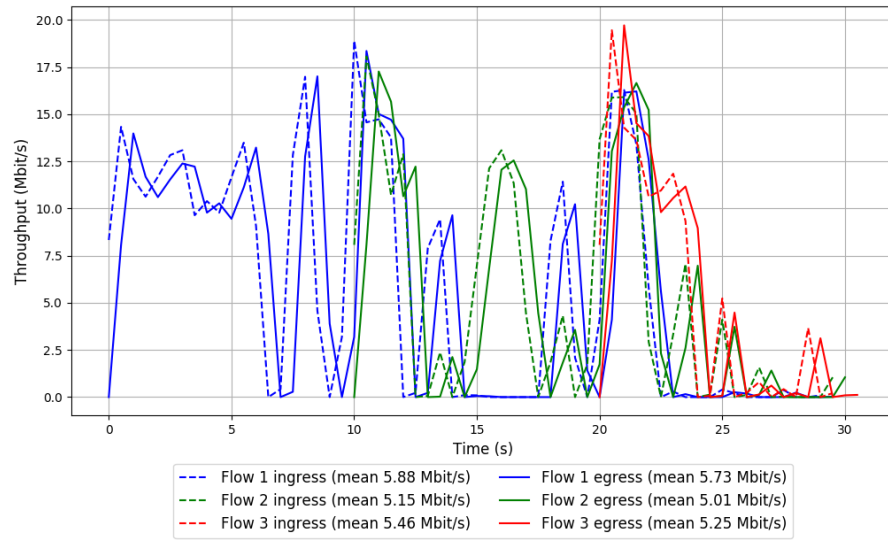
-- Flow 3:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 11.182 ms

Loss rate: 3.86%

Run 5: Report of LEDBAT — Data Link

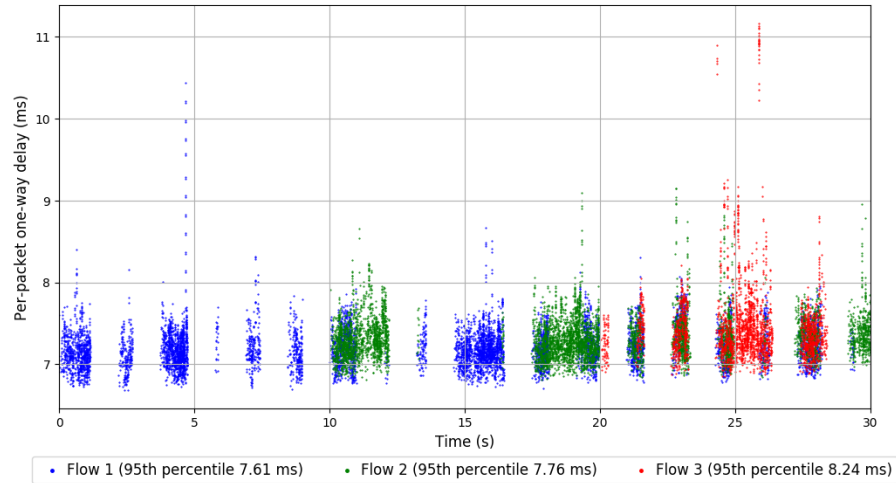
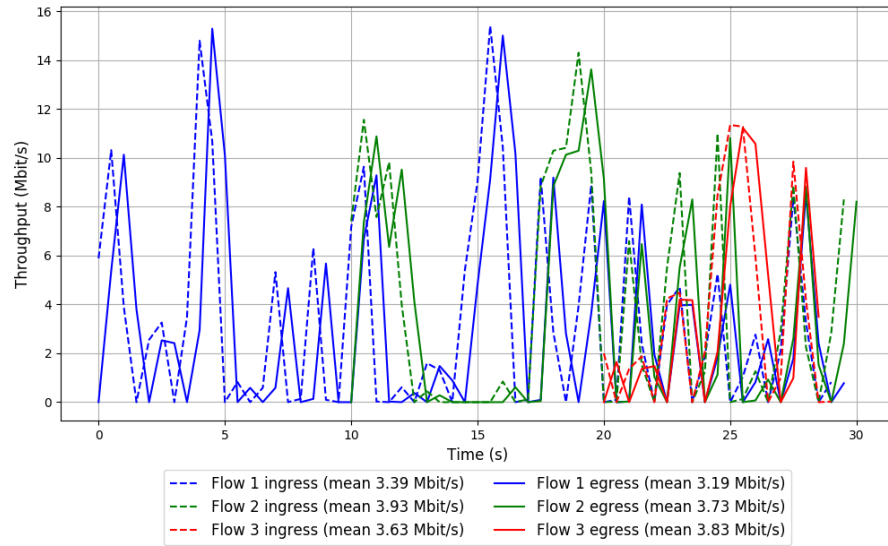


Run 6: Statistics of LEDBAT

Start at: 2018-06-18 18:03:14
End at: 2018-06-18 18:03:44
Local clock offset: 1.201 ms
Remote clock offset: -5.216 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 7.759 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 5.67%
-- Flow 2:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 7.761 ms
Loss rate: 4.99%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 8.240 ms
Loss rate: 5.96%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-18 18:21:32

End at: 2018-06-18 18:22:02

Local clock offset: 2.226 ms

Remote clock offset: -6.37 ms

Below is generated by plot.py at 2018-06-18 19:31:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.73 Mbit/s

95th percentile per-packet one-way delay: 8.252 ms

Loss rate: 3.60%

-- Flow 1:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 8.329 ms

Loss rate: 3.70%

-- Flow 2:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 8.205 ms

Loss rate: 3.39%

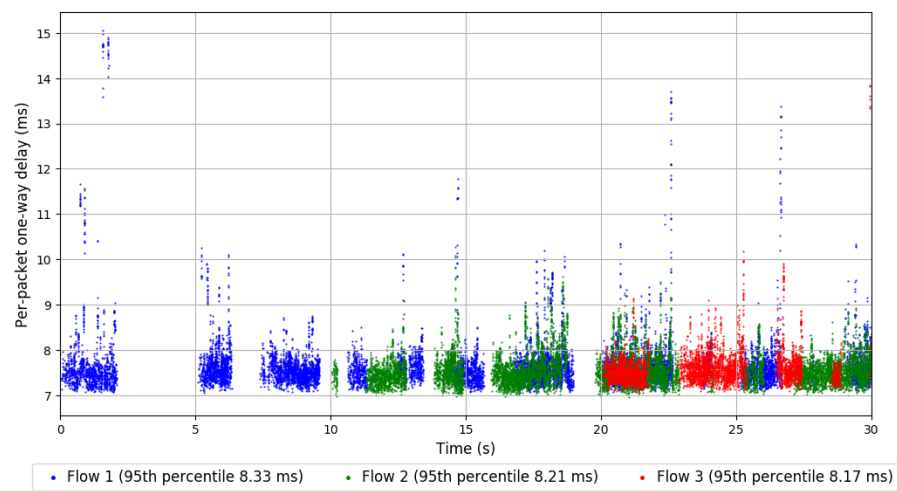
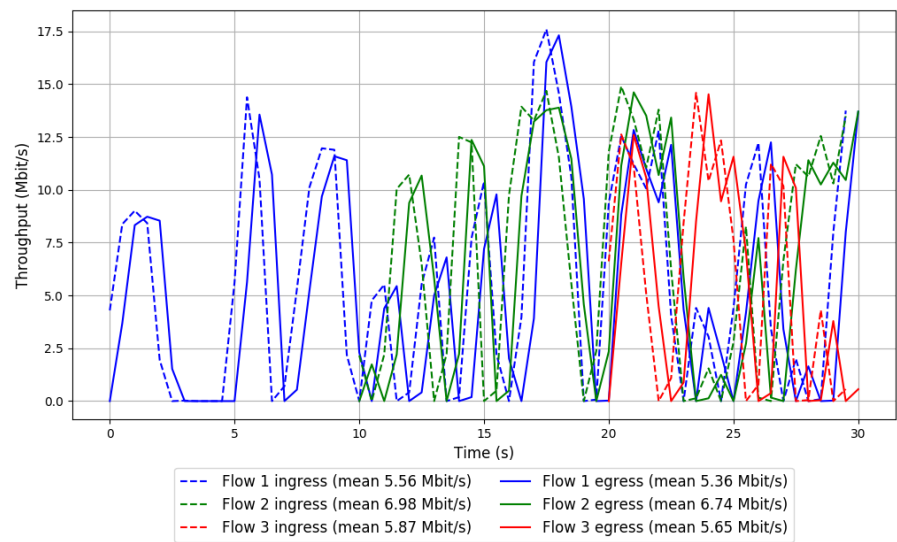
-- Flow 3:

Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 8.167 ms

Loss rate: 3.81%

Run 7: Report of LEDBAT — Data Link

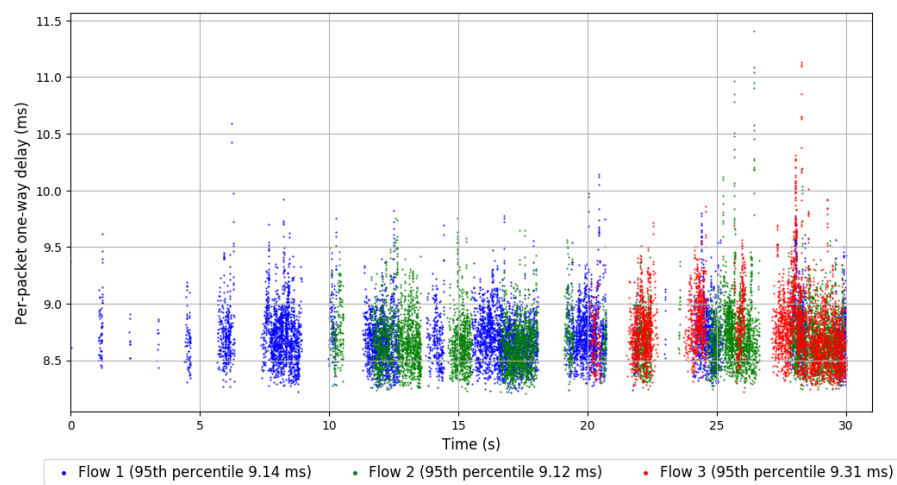
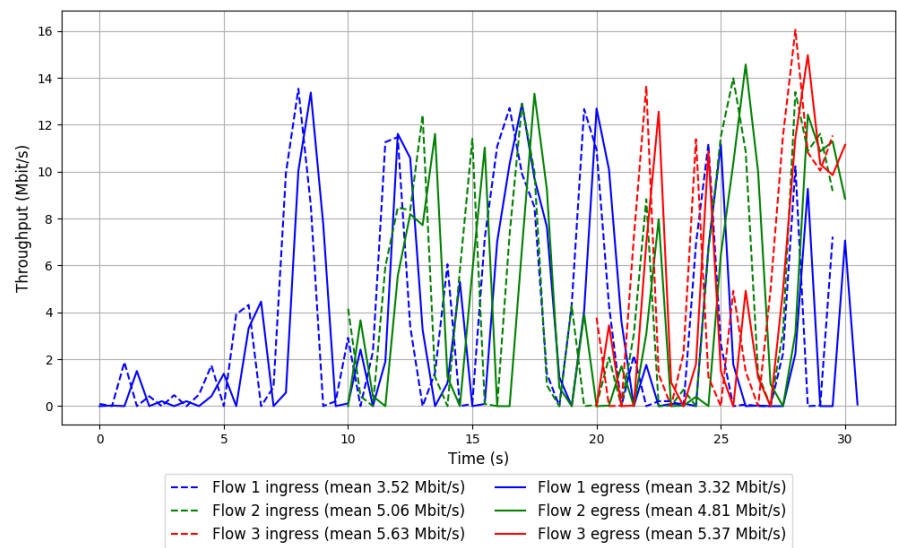


Run 8: Statistics of LEDBAT

Start at: 2018-06-18 18:40:00
End at: 2018-06-18 18:40:30
Local clock offset: 1.392 ms
Remote clock offset: -3.811 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 9.181 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 9.144 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 9.124 ms
Loss rate: 4.84%
-- Flow 3:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 9.308 ms
Loss rate: 4.69%

Run 8: Report of LEDBAT — Data Link

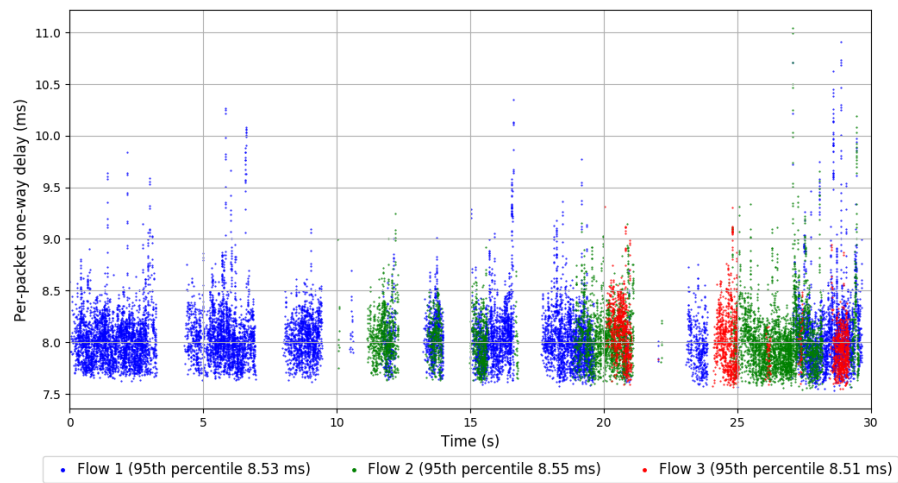
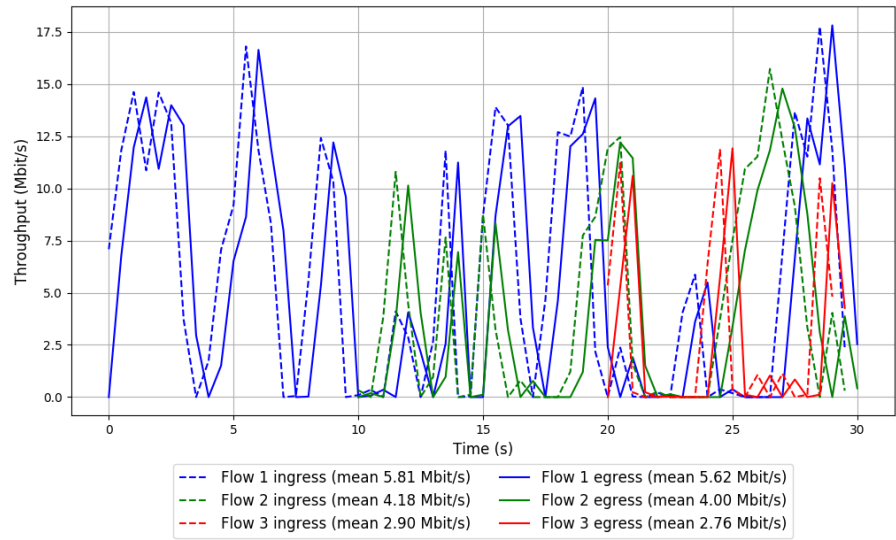


Run 9: Statistics of LEDBAT

Start at: 2018-06-18 18:58:50
End at: 2018-06-18 18:59:20
Local clock offset: 2.229 ms
Remote clock offset: -2.838 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 8.529 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 8.531 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 8.547 ms
Loss rate: 4.48%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 8.505 ms
Loss rate: 4.97%

Run 9: Report of LEDBAT — Data Link

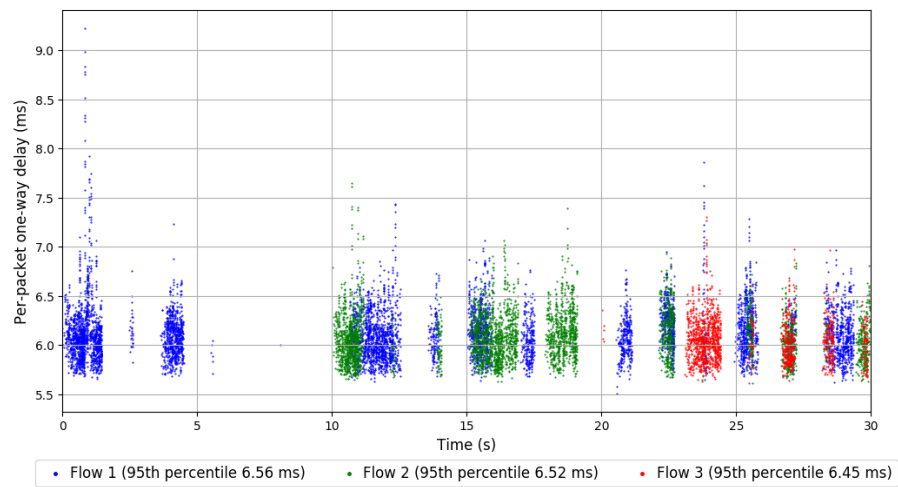
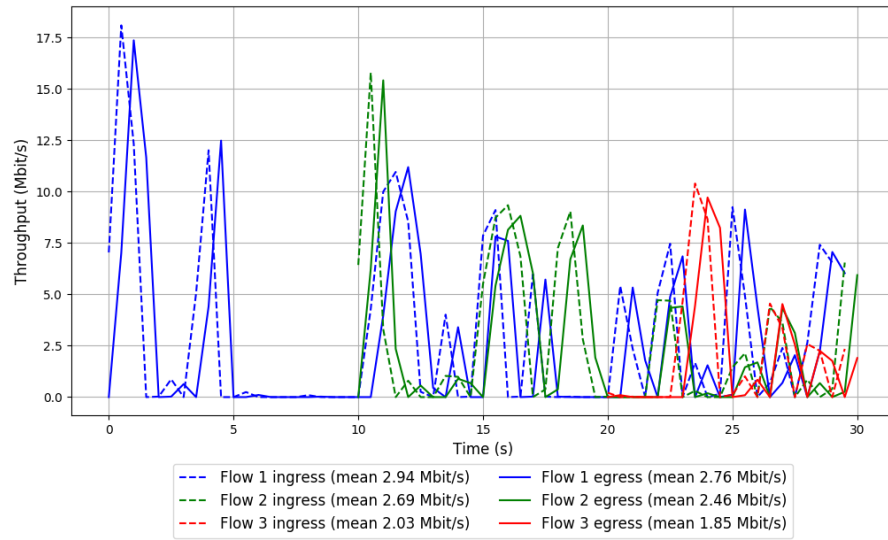


Run 10: Statistics of LEDBAT

Start at: 2018-06-18 19:17:18
End at: 2018-06-18 19:17:48
Local clock offset: 3.278 ms
Remote clock offset: -2.265 ms

Below is generated by plot.py at 2018-06-18 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 6.538 ms
Loss rate: 7.37%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 6.560 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 6.524 ms
Loss rate: 8.43%
-- Flow 3:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 6.445 ms
Loss rate: 9.23%

Run 10: Report of LEDBAT — Data Link

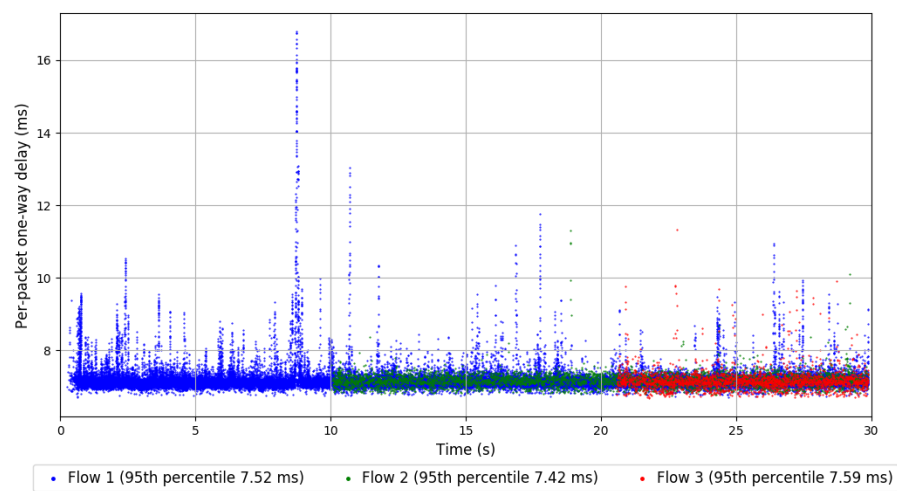
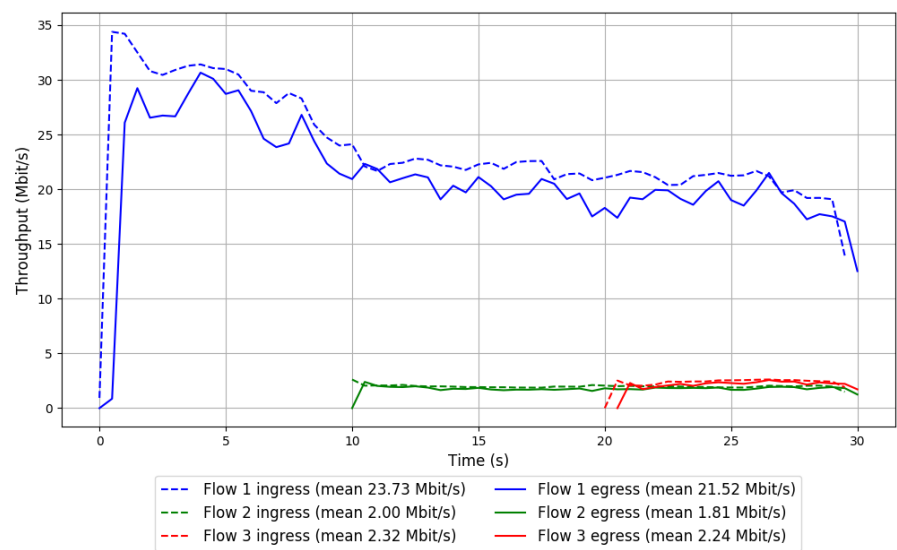


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 16:20:30
End at: 2018-06-18 16:21:00
Local clock offset: 0.642 ms
Remote clock offset: -6.891 ms

Below is generated by plot.py at 2018-06-18 19:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 7.510 ms
Loss rate: 9.97%
-- Flow 1:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 7.521 ms
Loss rate: 10.06%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 9.34%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 7.593 ms
Loss rate: 8.42%

Run 1: Report of PCC-Allegro — Data Link

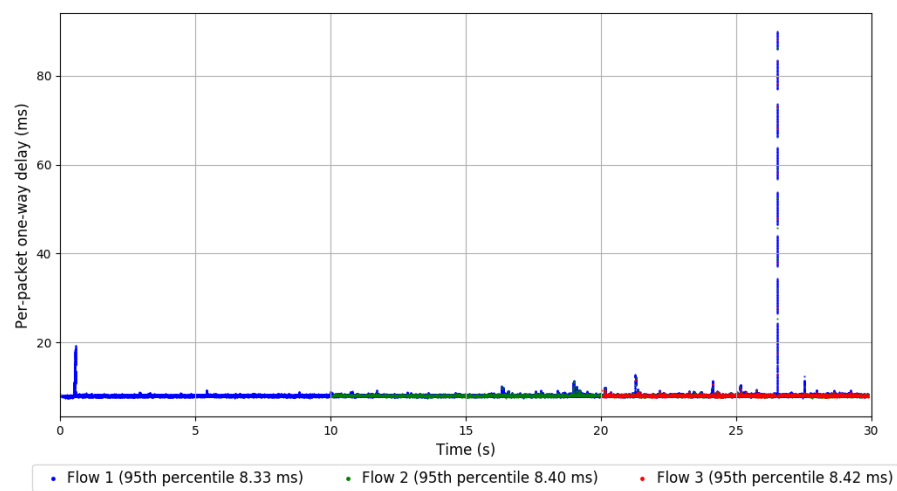
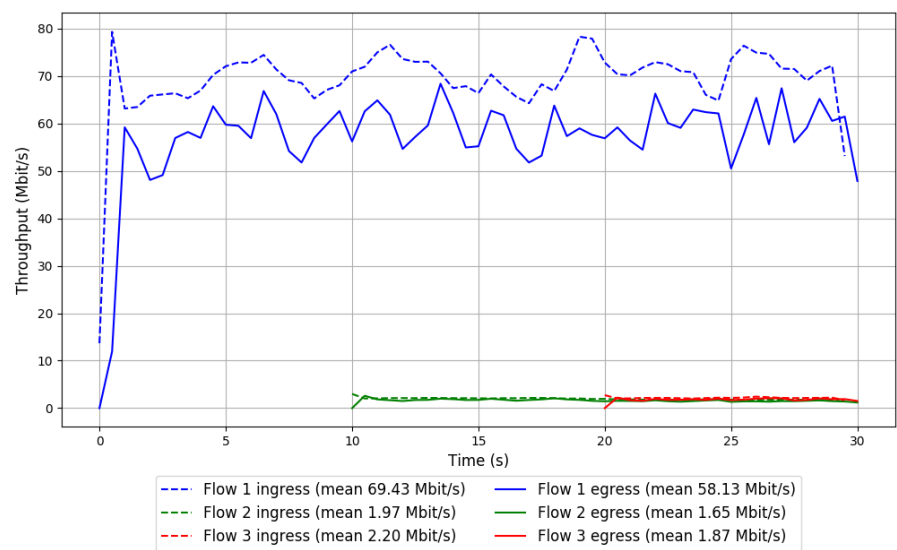


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-18 16:39:04
End at: 2018-06-18 16:39:34
Local clock offset: 0.085 ms
Remote clock offset: -7.873 ms

Below is generated by plot.py at 2018-06-18 19:31:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 8.338 ms
Loss rate: 16.25%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 8.334 ms
Loss rate: 16.27%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 8.402 ms
Loss rate: 16.09%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 8.422 ms
Loss rate: 14.99%

Run 2: Report of PCC-Allegro — Data Link

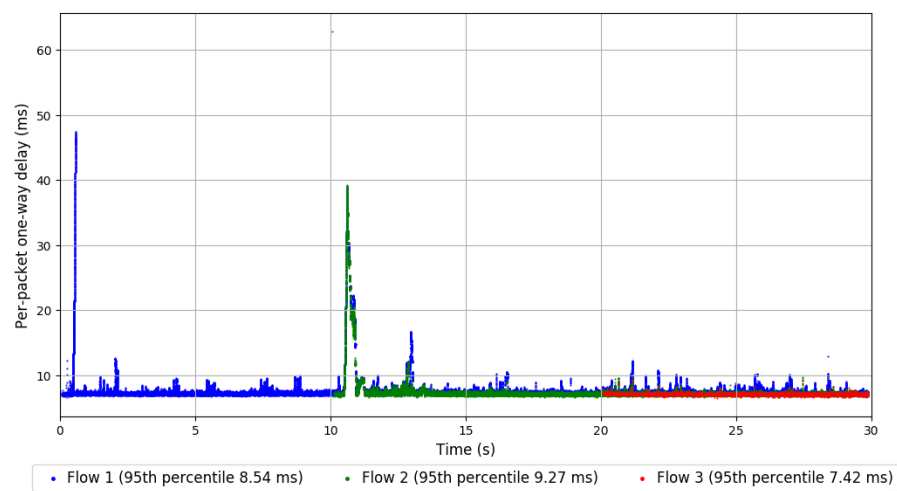
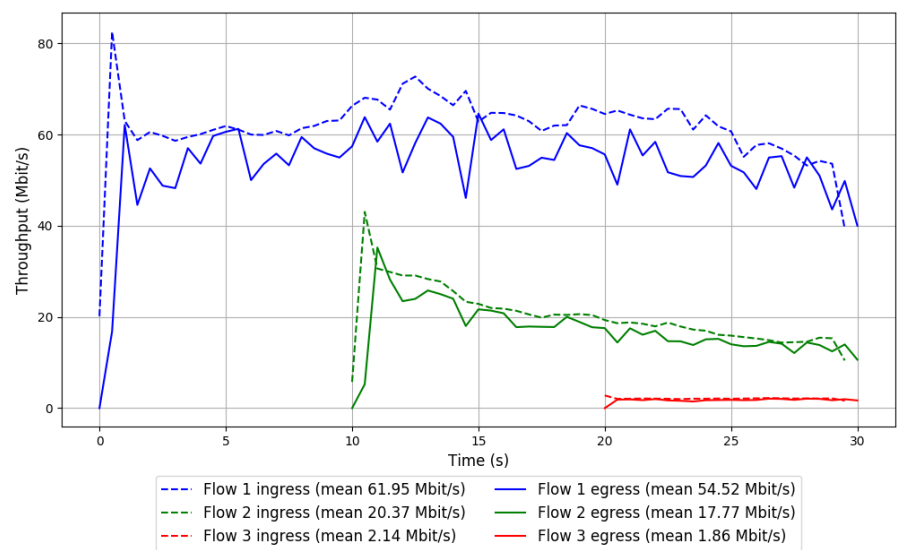


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-18 16:57:27
End at: 2018-06-18 16:57:57
Local clock offset: 2.985 ms
Remote clock offset: -5.003 ms

Below is generated by plot.py at 2018-06-18 19:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 8.656 ms
Loss rate: 12.19%
-- Flow 1:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 8.536 ms
Loss rate: 12.00%
-- Flow 2:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 9.274 ms
Loss rate: 13.02%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 7.417 ms
Loss rate: 13.24%

Run 3: Report of PCC-Allegro — Data Link

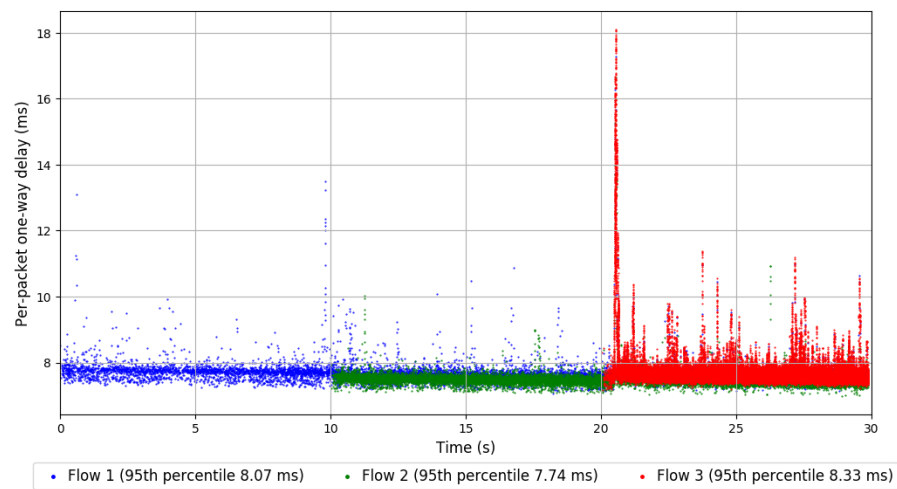
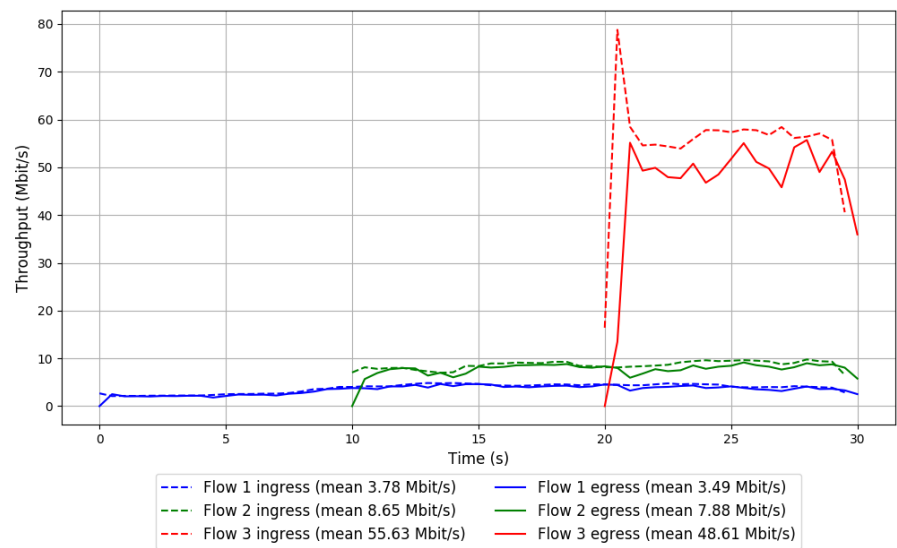


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-18 17:15:50
End at: 2018-06-18 17:16:20
Local clock offset: 1.164 ms
Remote clock offset: -5.381 ms

Below is generated by plot.py at 2018-06-18 19:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 11.18%
-- Flow 1:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 8.066 ms
Loss rate: 7.75%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 7.740 ms
Loss rate: 8.87%
-- Flow 3:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 8.330 ms
Loss rate: 12.61%

Run 4: Report of PCC-Allegro — Data Link

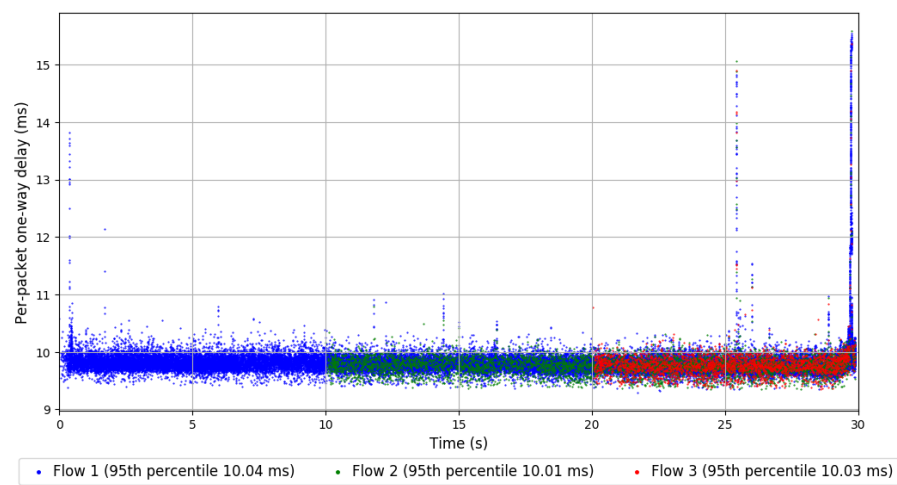
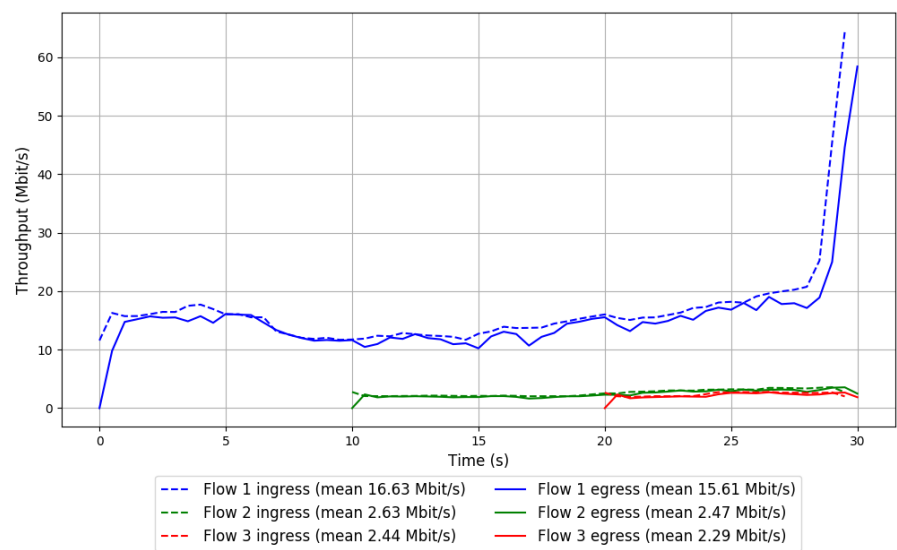


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-18 17:34:21
End at: 2018-06-18 17:34:51
Local clock offset: -1.153 ms
Remote clock offset: -0.744 ms

Below is generated by plot.py at 2018-06-18 19:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 10.036 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 10.040 ms
Loss rate: 6.13%
-- Flow 2:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 10.010 ms
Loss rate: 6.32%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 10.031 ms
Loss rate: 6.20%

Run 5: Report of PCC-Allegro — Data Link

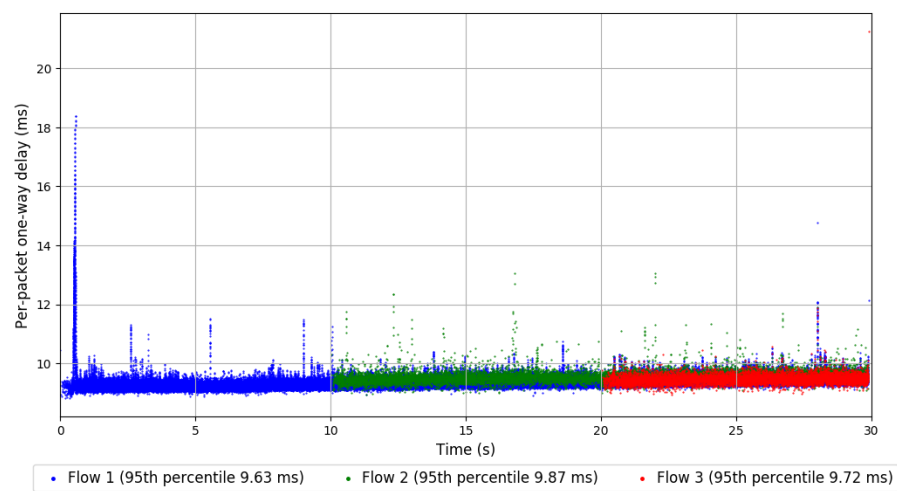
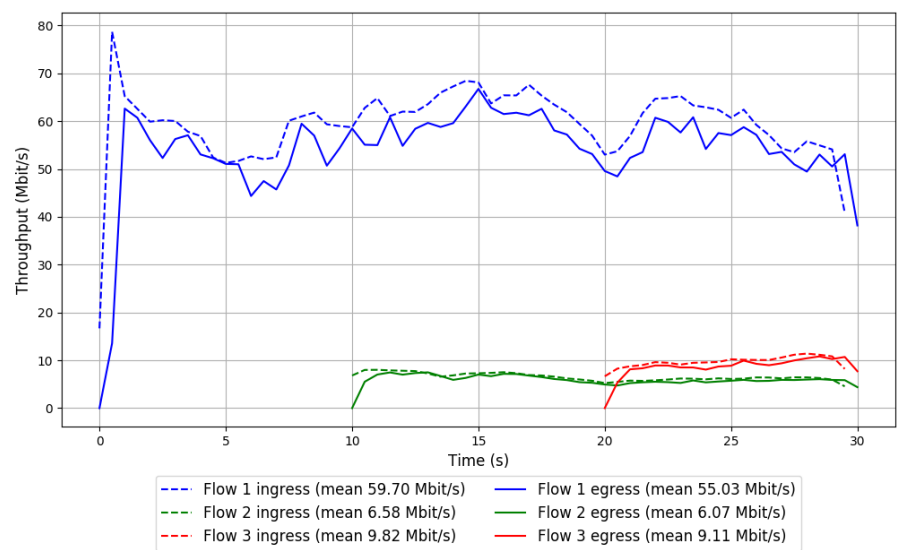


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-18 17:52:38
End at: 2018-06-18 17:53:08
Local clock offset: -0.563 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-06-18 19:31:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 9.670 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 9.630 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 9.874 ms
Loss rate: 7.84%
-- Flow 3:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 9.718 ms
Loss rate: 7.07%

Run 6: Report of PCC-Allegro — Data Link

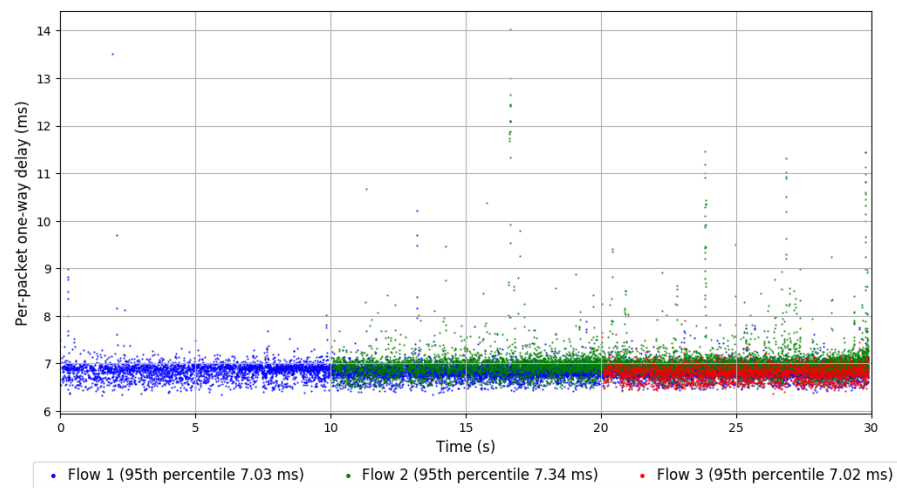
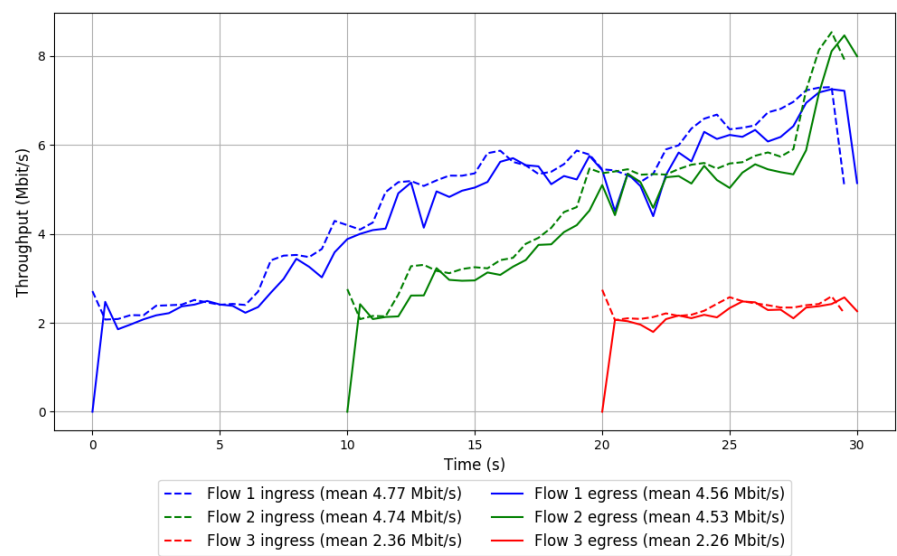


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-18 18:11:17
End at: 2018-06-18 18:11:47
Local clock offset: 2.865 ms
Remote clock offset: -5.209 ms

Below is generated by plot.py at 2018-06-18 19:31:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 7.145 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 7.025 ms
Loss rate: 4.34%
-- Flow 2:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 7.337 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 7.018 ms
Loss rate: 4.58%

Run 7: Report of PCC-Allegro — Data Link

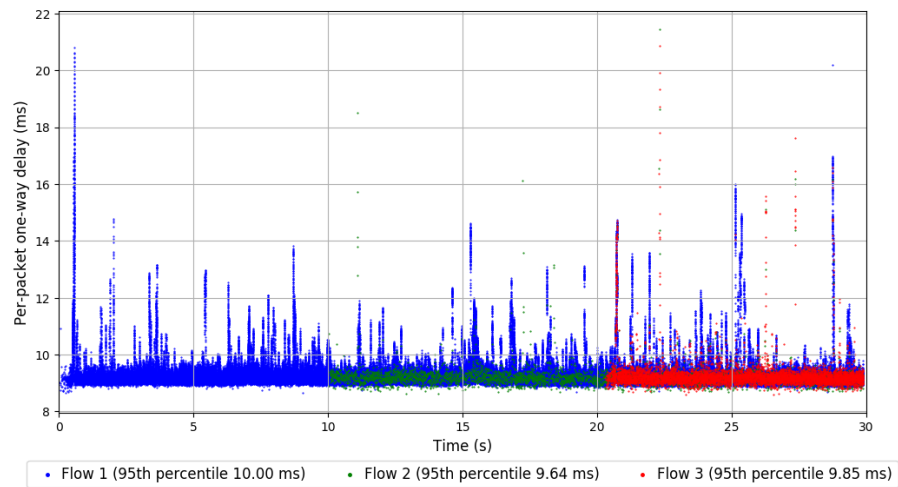
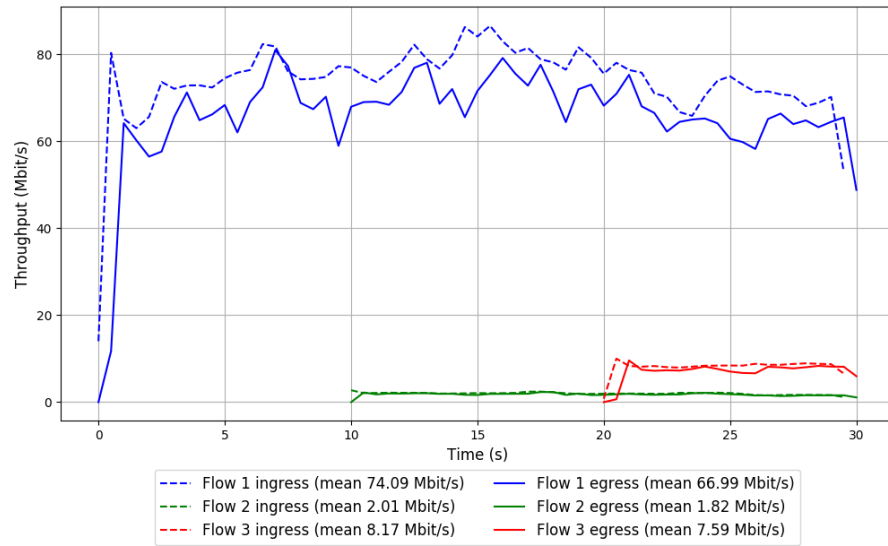


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-18 18:29:28
End at: 2018-06-18 18:29:58
Local clock offset: 1.441 ms
Remote clock offset: -4.156 ms

Below is generated by plot.py at 2018-06-18 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 9.982 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 9.996 ms
Loss rate: 9.59%
-- Flow 2:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 9.644 ms
Loss rate: 9.43%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 9.854 ms
Loss rate: 9.47%

Run 8: Report of PCC-Allegro — Data Link

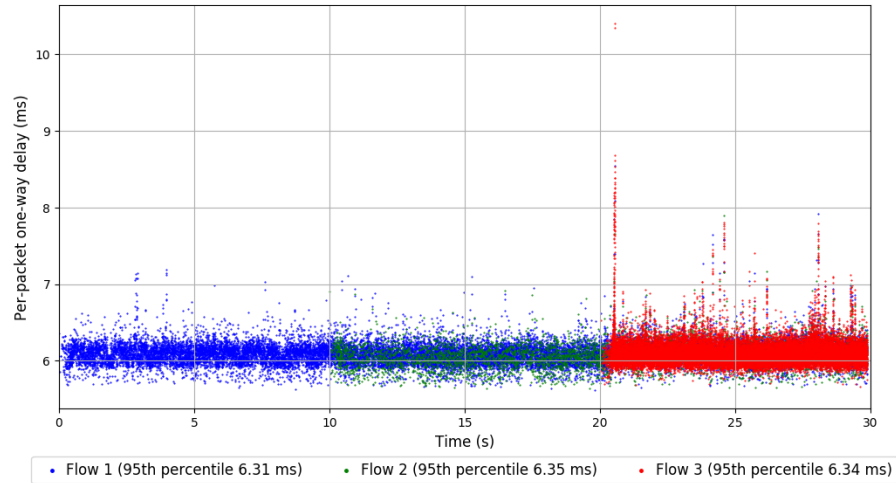
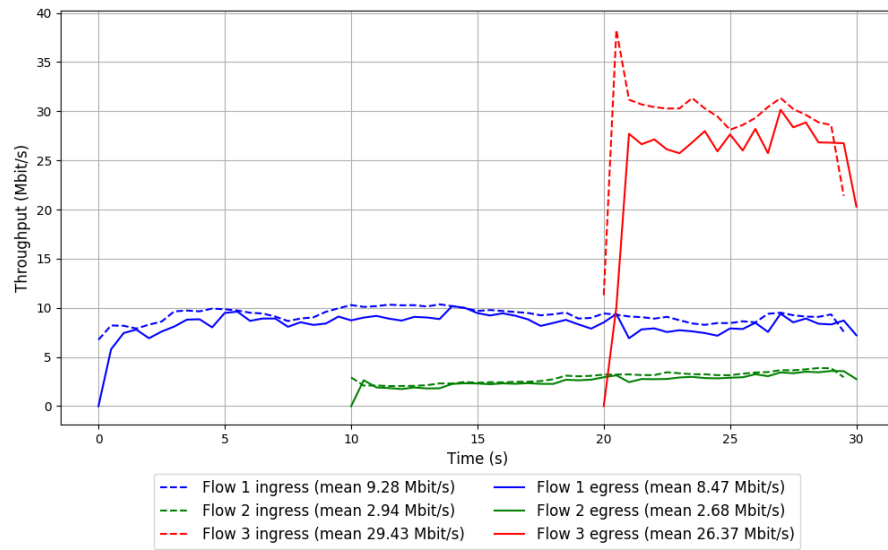


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-18 18:48:27
End at: 2018-06-18 18:48:57
Local clock offset: 3.928 ms
Remote clock offset: -3.311 ms

Below is generated by plot.py at 2018-06-18 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 6.330 ms
Loss rate: 9.52%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 6.310 ms
Loss rate: 8.76%
-- Flow 2:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 6.353 ms
Loss rate: 8.83%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 6.345 ms
Loss rate: 10.39%

Run 9: Report of PCC-Allegro — Data Link

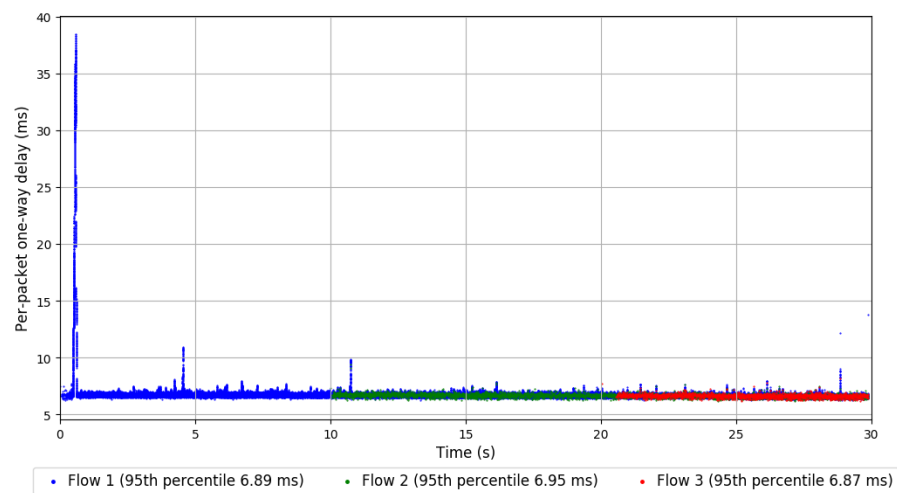
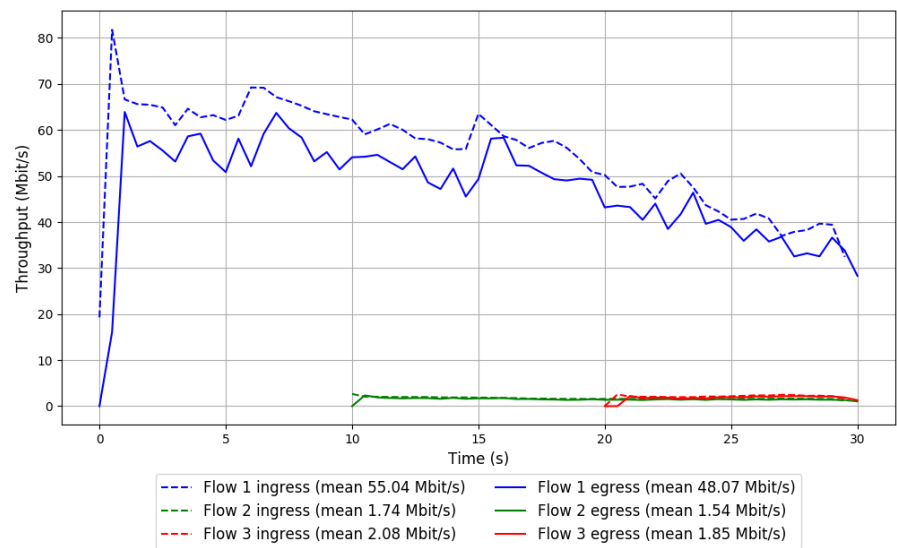


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-18 19:06:59
End at: 2018-06-18 19:07:29
Local clock offset: 2.926 ms
Remote clock offset: -2.471 ms

Below is generated by plot.py at 2018-06-18 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 6.895 ms
Loss rate: 12.60%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 6.893 ms
Loss rate: 12.65%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 6.945 ms
Loss rate: 11.35%
-- Flow 3:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 6.869 ms
Loss rate: 10.82%

Run 10: Report of PCC-Allegro — Data Link

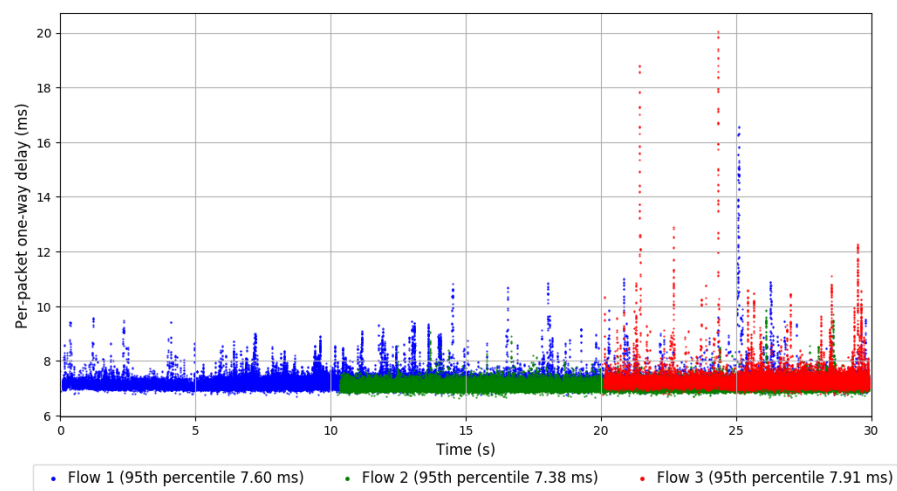
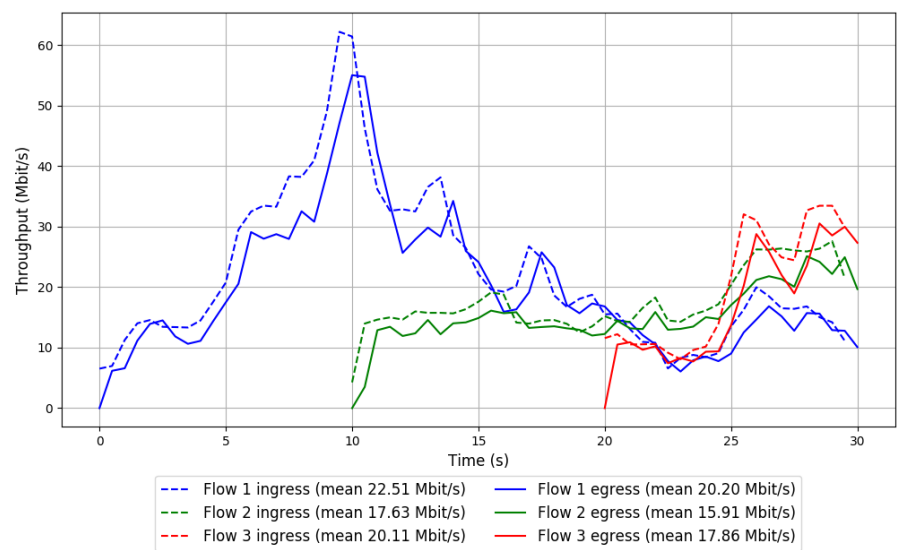


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-18 16:33:10
End at: 2018-06-18 16:33:40
Local clock offset: 0.348 ms
Remote clock offset: -7.837 ms

# Below is generated by plot.py at 2018-06-18 19:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 7.567 ms
Loss rate: 10.58%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 7.596 ms
Loss rate: 10.23%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 7.385 ms
Loss rate: 10.93%
-- Flow 3:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 7.910 ms
Loss rate: 11.17%
```

Run 1: Report of PCC-Expr — Data Link

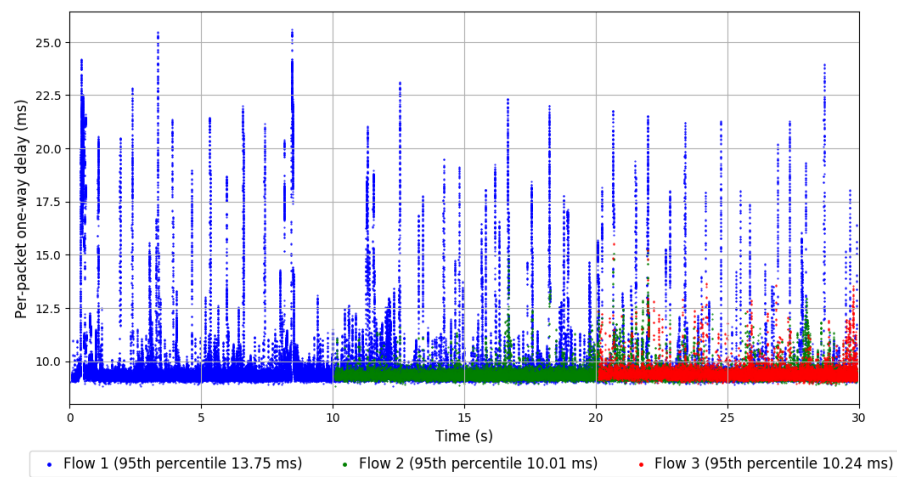
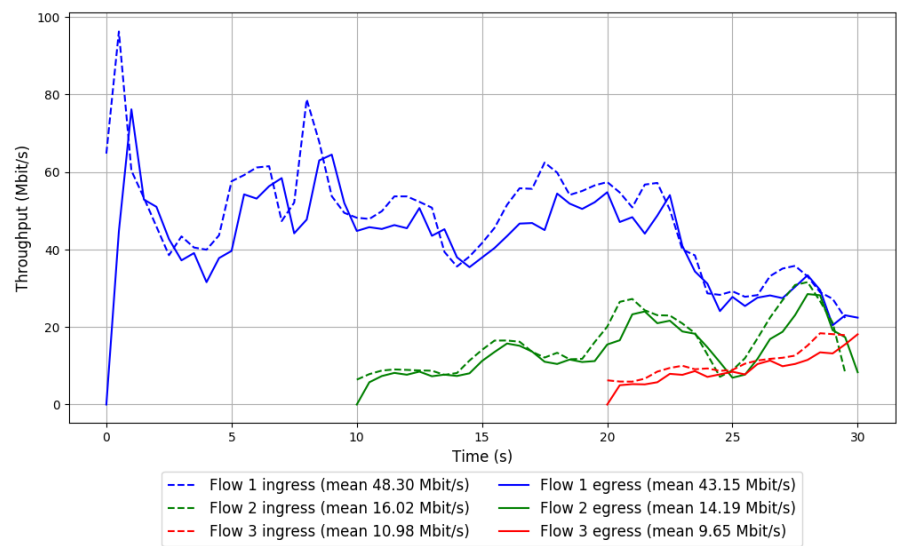


Run 2: Statistics of PCC-Expr

Start at: 2018-06-18 16:51:47
End at: 2018-06-18 16:52:17
Local clock offset: 0.607 ms
Remote clock offset: -5.237 ms

Below is generated by plot.py at 2018-06-18 19:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 12.190 ms
Loss rate: 10.87%
-- Flow 1:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 13.751 ms
Loss rate: 10.65%
-- Flow 2:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 10.006 ms
Loss rate: 11.44%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 10.240 ms
Loss rate: 12.12%

Run 2: Report of PCC-Expr — Data Link

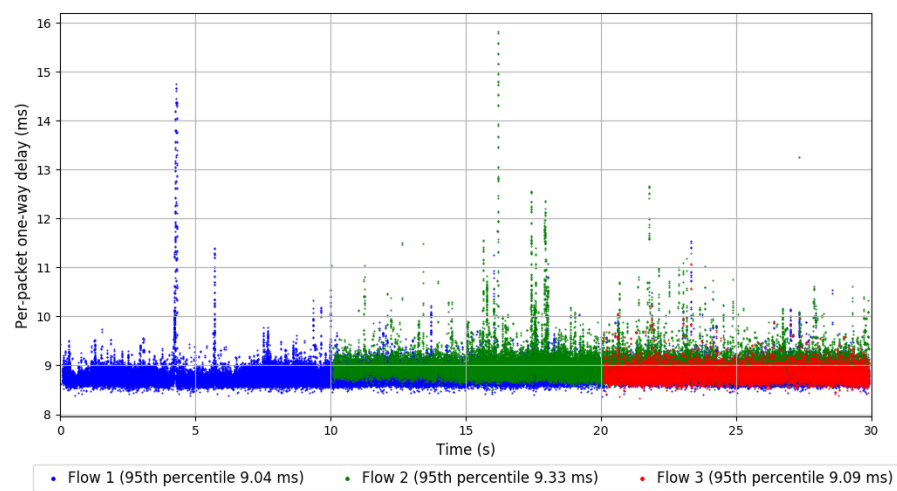
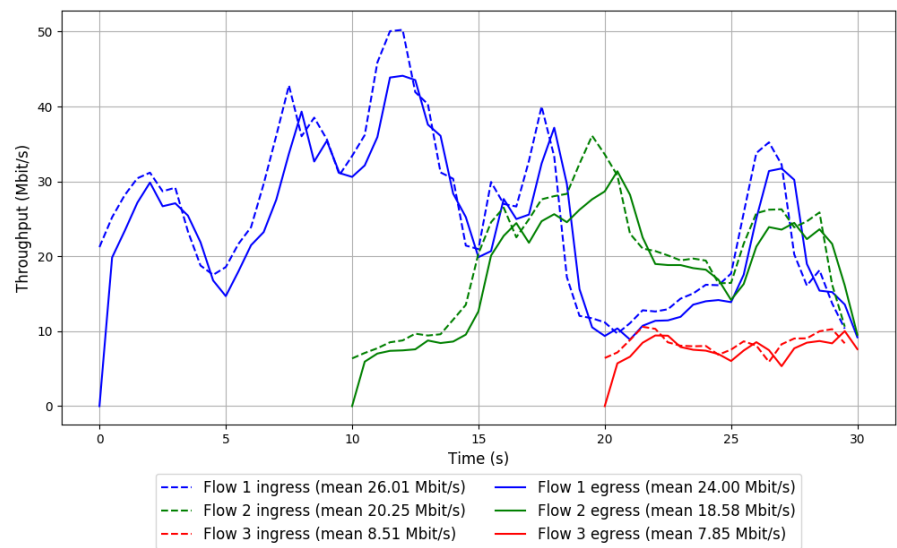


Run 3: Statistics of PCC-Expr

Start at: 2018-06-18 17:10:16
End at: 2018-06-18 17:10:46
Local clock offset: 0.479 ms
Remote clock offset: -5.638 ms

Below is generated by plot.py at 2018-06-18 19:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 9.161 ms
Loss rate: 7.90%
-- Flow 1:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 9.044 ms
Loss rate: 7.74%
-- Flow 2:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 9.331 ms
Loss rate: 8.26%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 9.091 ms
Loss rate: 7.68%

Run 3: Report of PCC-Expr — Data Link

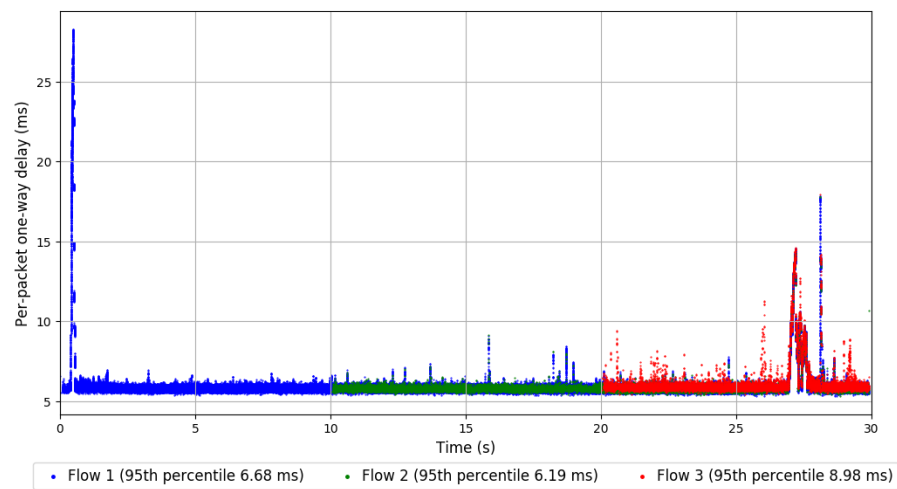
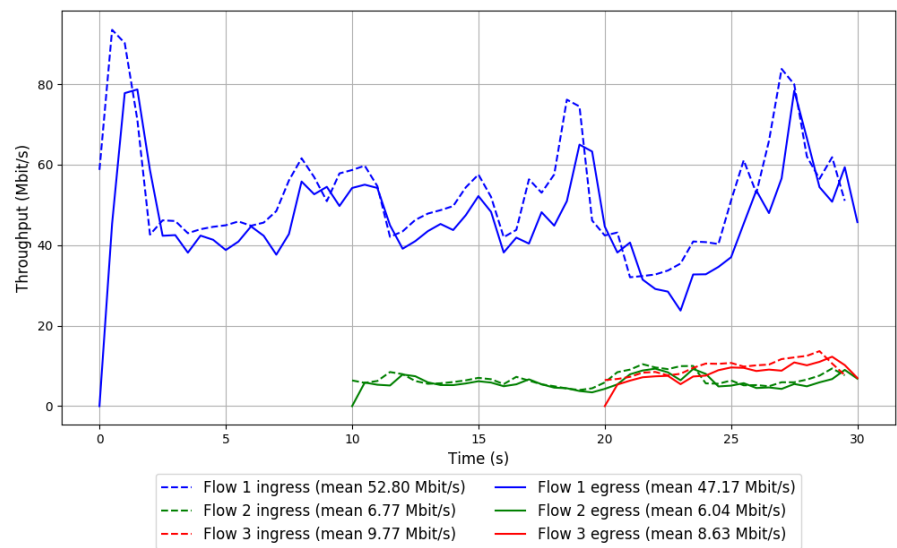


Run 4: Statistics of PCC-Expr

Start at: 2018-06-18 17:28:39
End at: 2018-06-18 17:29:09
Local clock offset: 2.827 ms
Remote clock offset: -1.835 ms

Below is generated by plot.py at 2018-06-18 19:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 6.872 ms
Loss rate: 10.73%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 6.677 ms
Loss rate: 10.66%
-- Flow 2:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 6.186 ms
Loss rate: 10.79%
-- Flow 3:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 8.978 ms
Loss rate: 11.67%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-18 17:46:58

End at: 2018-06-18 17:47:28

Local clock offset: -0.14 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-06-18 19:33:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 8.501 ms

Loss rate: 9.52%

-- Flow 1:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 8.459 ms

Loss rate: 9.40%

-- Flow 2:

Average throughput: 19.45 Mbit/s

95th percentile per-packet one-way delay: 8.564 ms

Loss rate: 9.97%

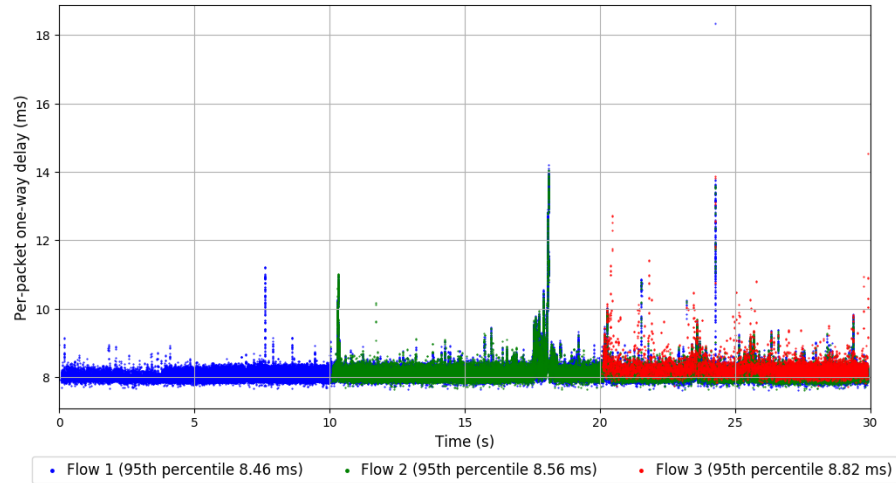
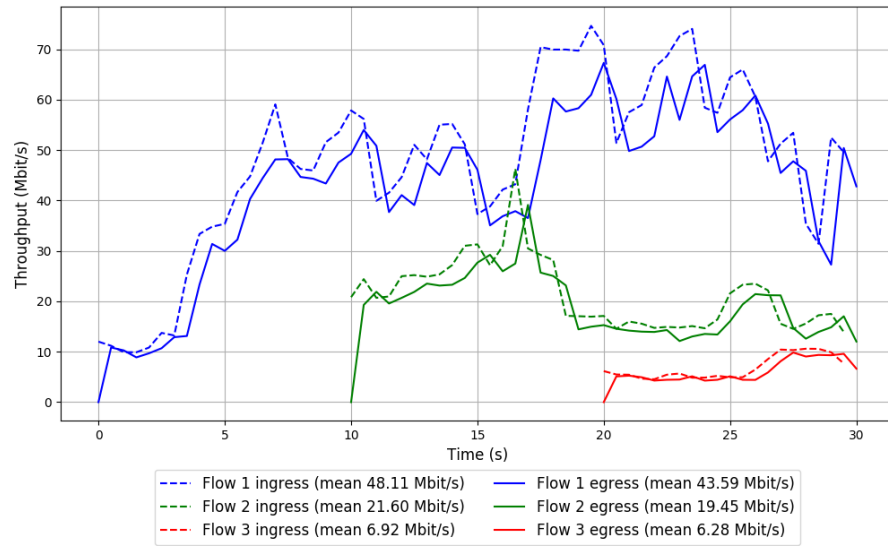
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 8.816 ms

Loss rate: 9.20%

Run 5: Report of PCC-Expr — Data Link

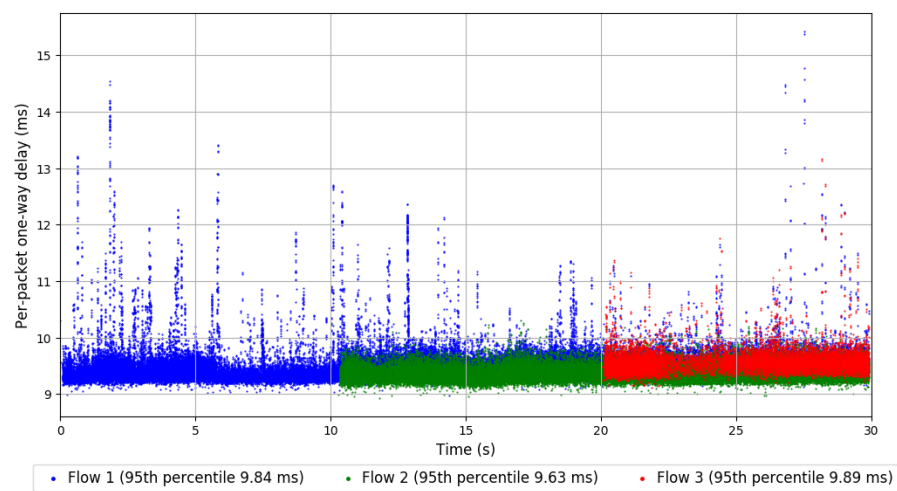
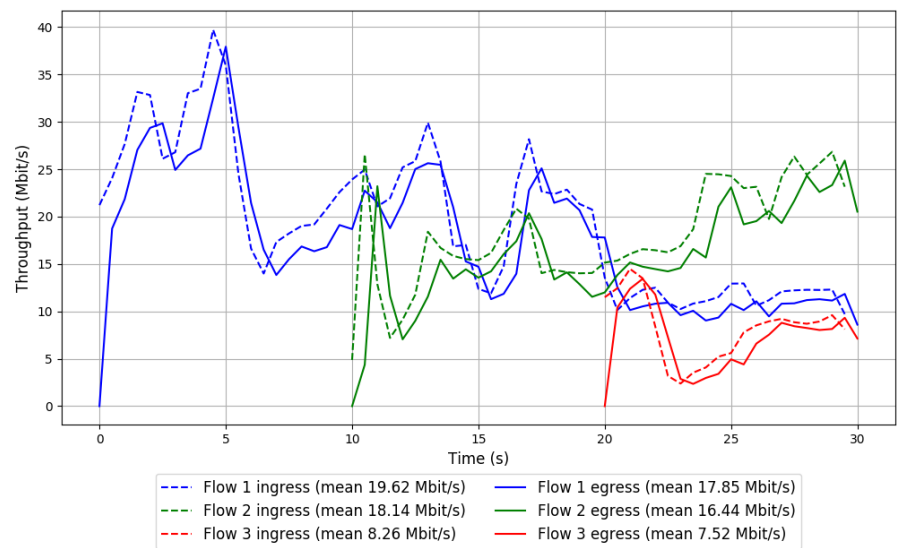


Run 6: Statistics of PCC-Expr

Start at: 2018-06-18 18:05:37
End at: 2018-06-18 18:06:07
Local clock offset: -0.503 ms
Remote clock offset: -5.136 ms

Below is generated by plot.py at 2018-06-18 19:33:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 9.769 ms
Loss rate: 9.14%
-- Flow 1:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 9.836 ms
Loss rate: 9.02%
-- Flow 2:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 9.627 ms
Loss rate: 9.39%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 9.886 ms
Loss rate: 8.90%

Run 6: Report of PCC-Expr — Data Link

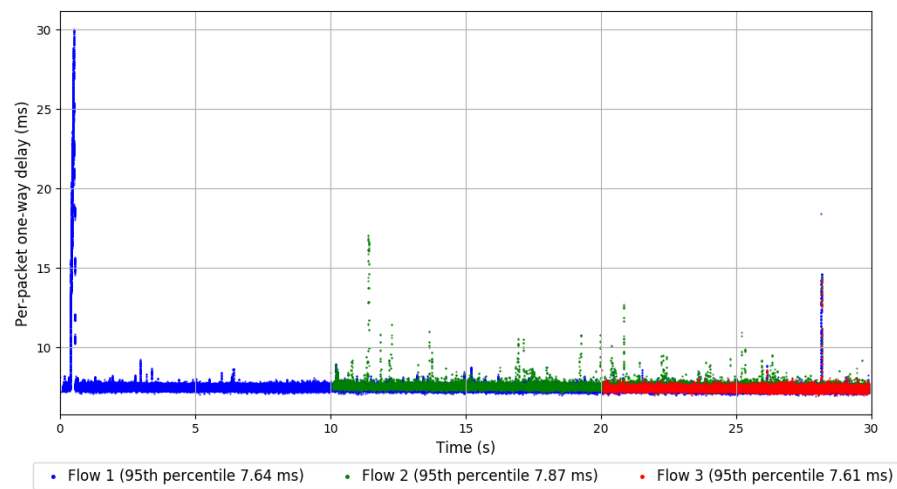
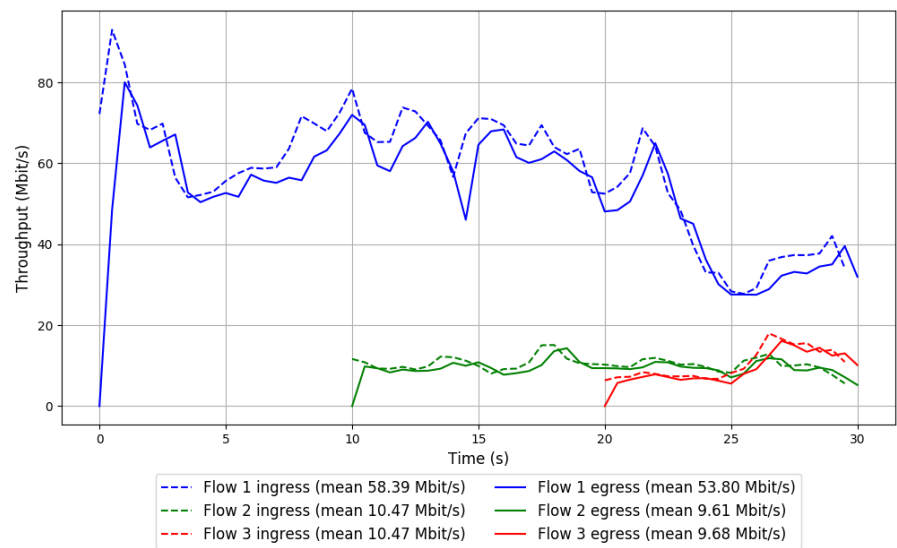


Run 7: Statistics of PCC-Expr

Start at: 2018-06-18 18:23:50
End at: 2018-06-18 18:24:20
Local clock offset: 2.151 ms
Remote clock offset: -6.089 ms

Below is generated by plot.py at 2018-06-18 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 7.672 ms
Loss rate: 7.88%
-- Flow 1:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: 7.645 ms
Loss rate: 7.86%
-- Flow 2:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 7.867 ms
Loss rate: 8.19%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 7.611 ms
Loss rate: 7.56%

Run 7: Report of PCC-Expr — Data Link

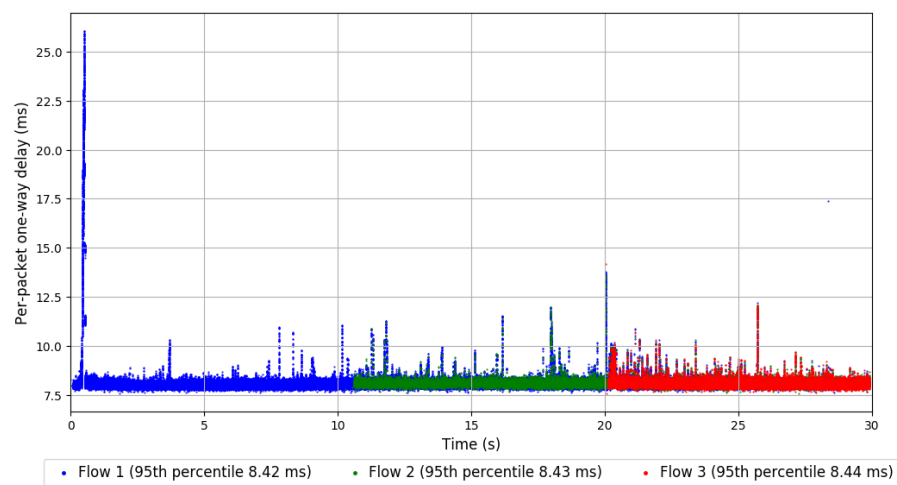
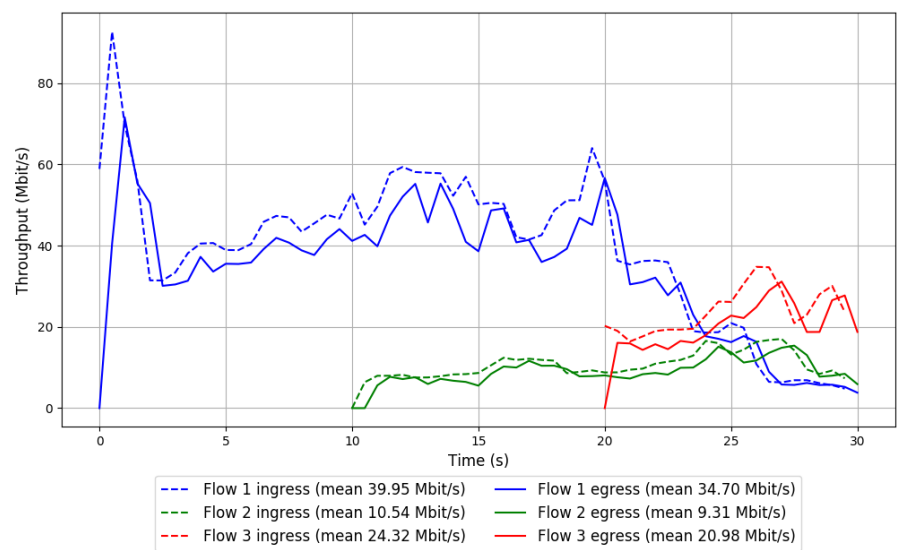


Run 8: Statistics of PCC-Expr

Start at: 2018-06-18 18:42:32
End at: 2018-06-18 18:43:02
Local clock offset: 2.392 ms
Remote clock offset: -3.207 ms

Below is generated by plot.py at 2018-06-18 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 8.423 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 8.416 ms
Loss rate: 13.13%
-- Flow 2:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 8.430 ms
Loss rate: 12.79%
-- Flow 3:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 8.439 ms
Loss rate: 13.75%

Run 8: Report of PCC-Expr — Data Link

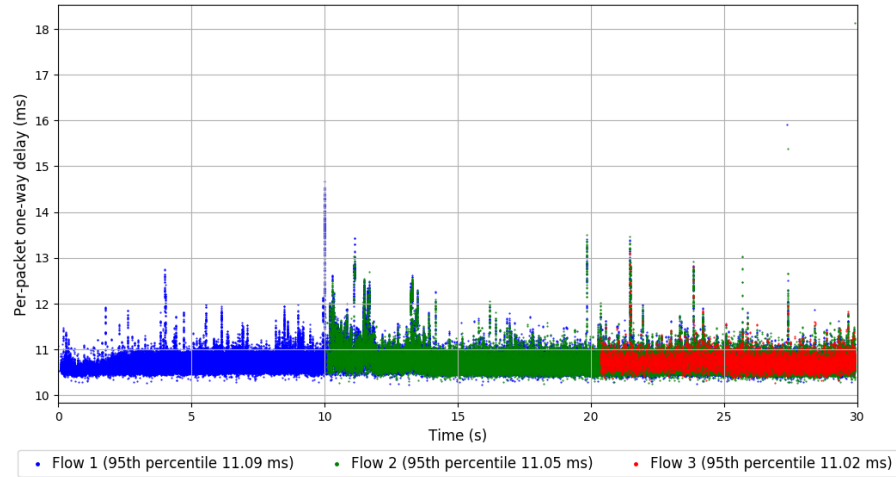
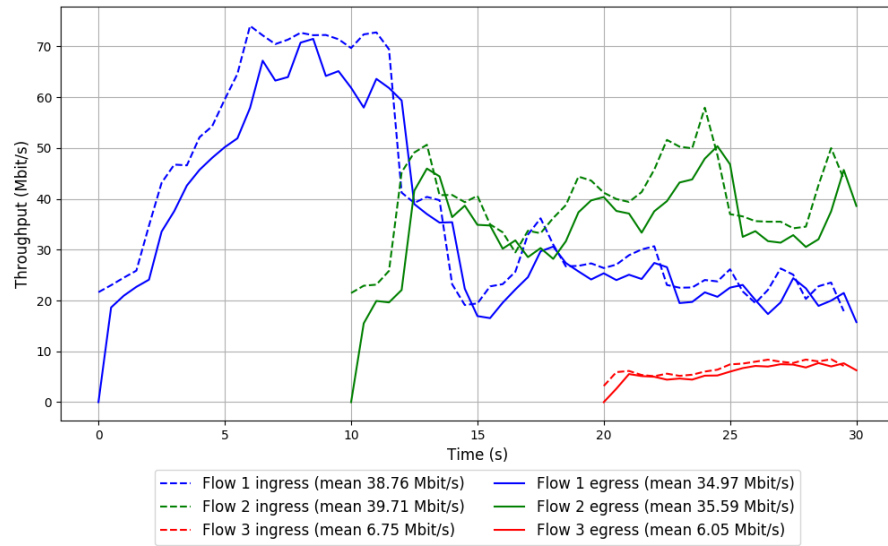


Run 9: Statistics of PCC-Expr

Start at: 2018-06-18 19:01:12
End at: 2018-06-18 19:01:42
Local clock offset: -0.544 ms
Remote clock offset: -2.569 ms

Below is generated by plot.py at 2018-06-18 19:33:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 11.068 ms
Loss rate: 10.02%
-- Flow 1:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 11.086 ms
Loss rate: 9.77%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 11.047 ms
Loss rate: 10.35%
-- Flow 3:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 11.020 ms
Loss rate: 10.38%

Run 9: Report of PCC-Expr — Data Link

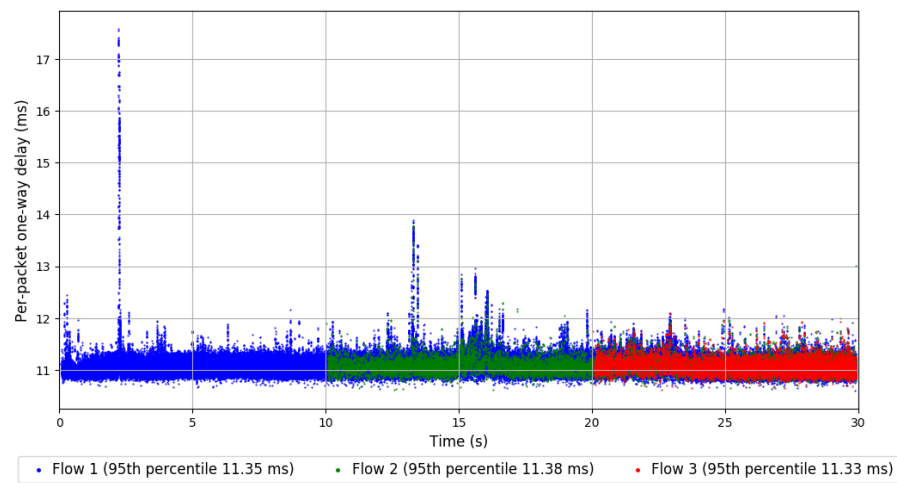
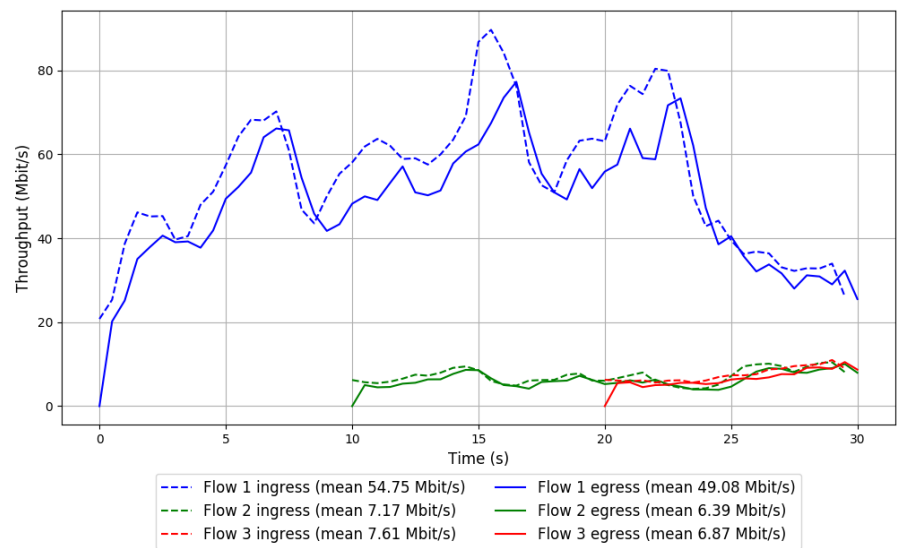


Run 10: Statistics of PCC-Expr

Start at: 2018-06-18 19:19:37
End at: 2018-06-18 19:20:07
Local clock offset: -0.433 ms
Remote clock offset: -0.806 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 11.354 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 11.353 ms
Loss rate: 10.36%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 11.377 ms
Loss rate: 10.91%
-- Flow 3:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 11.332 ms
Loss rate: 9.69%

Run 10: Report of PCC-Expr — Data Link

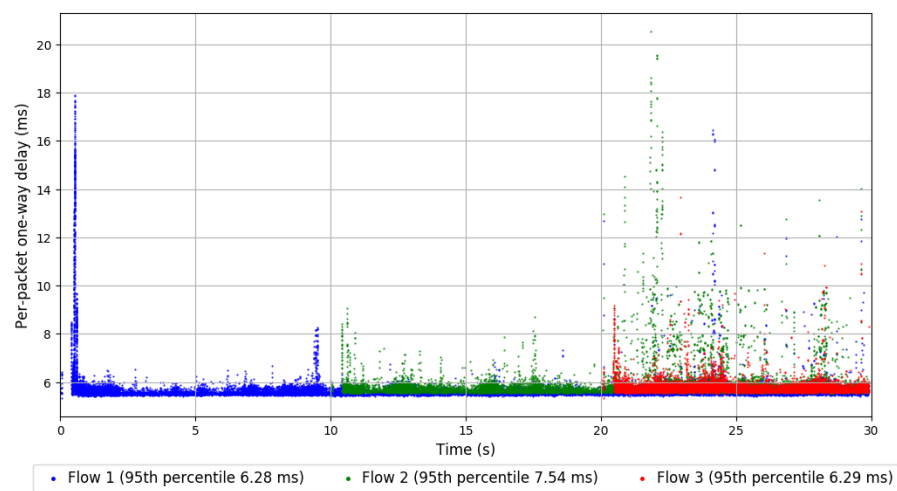
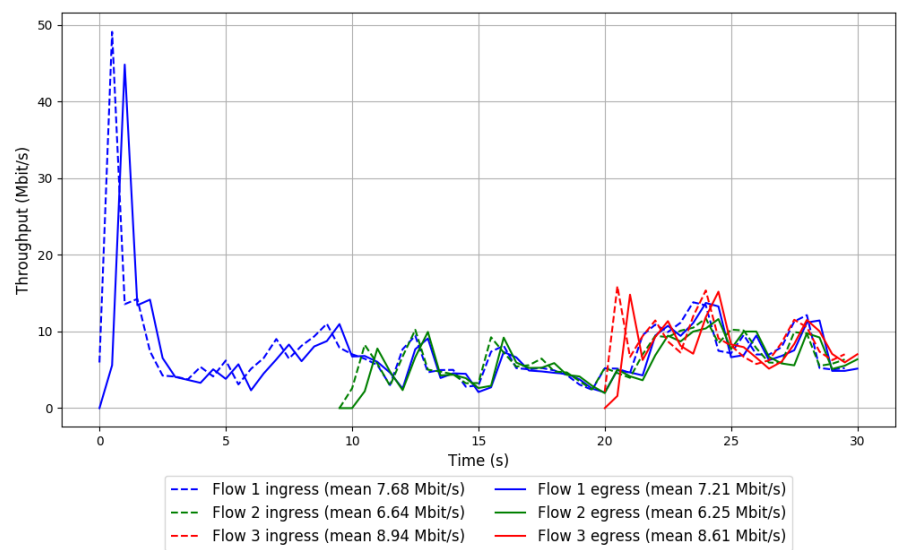


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-18 16:18:18
End at: 2018-06-18 16:18:48
Local clock offset: 2.114 ms
Remote clock offset: -6.838 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 6.686 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 6.281 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 7.544 ms
Loss rate: 6.02%
-- Flow 3:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 6.285 ms
Loss rate: 3.66%

Run 1: Report of QUIC Cubic — Data Link

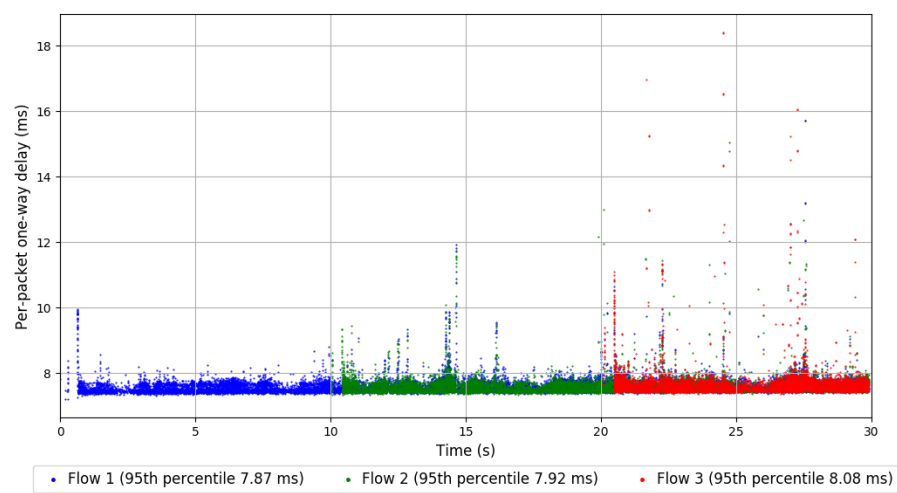
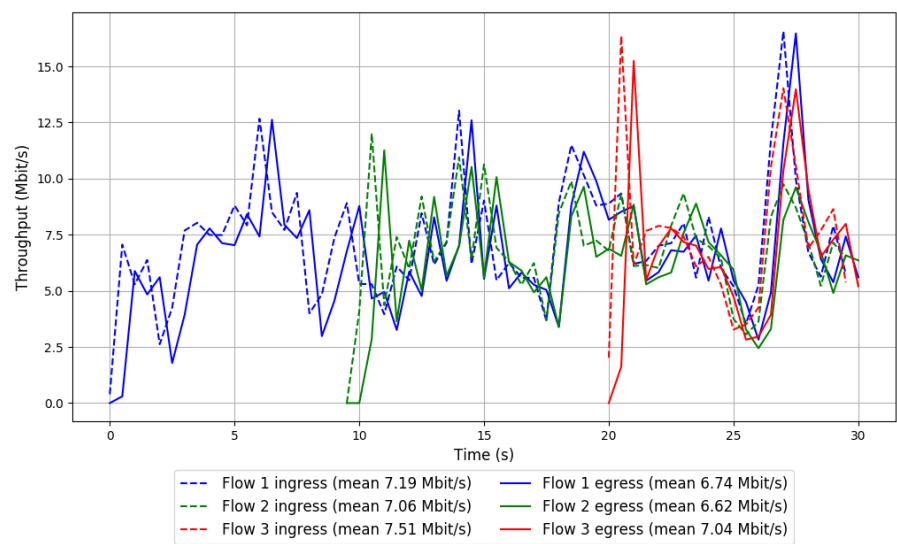


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-18 16:36:41
End at: 2018-06-18 16:37:11
Local clock offset: 0.514 ms
Remote clock offset: -7.545 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 7.913 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 7.872 ms
Loss rate: 6.21%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 7.915 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 8.082 ms
Loss rate: 6.28%

Run 2: Report of QUIC Cubic — Data Link

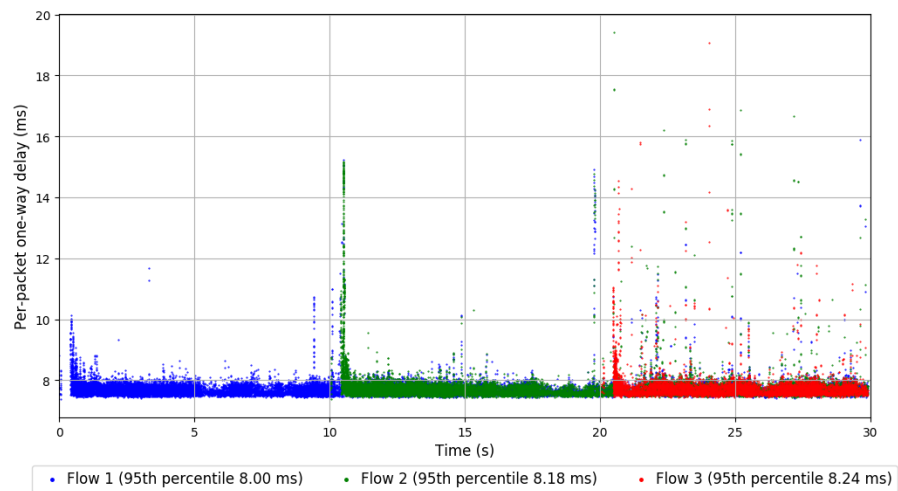
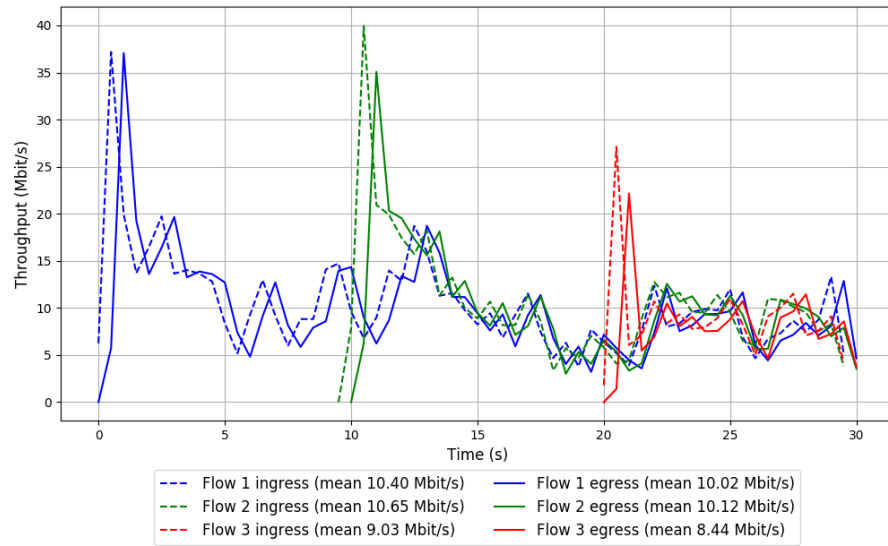


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-18 16:55:14
End at: 2018-06-18 16:55:44
Local clock offset: 1.334 ms
Remote clock offset: -5.917 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 8.079 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 8.003 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 8.175 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 8.245 ms
Loss rate: 6.54%

Run 3: Report of QUIC Cubic — Data Link

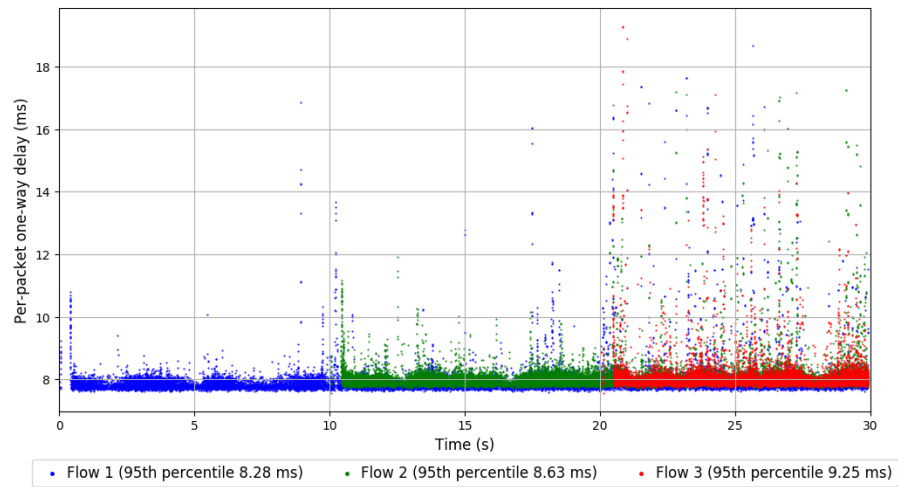
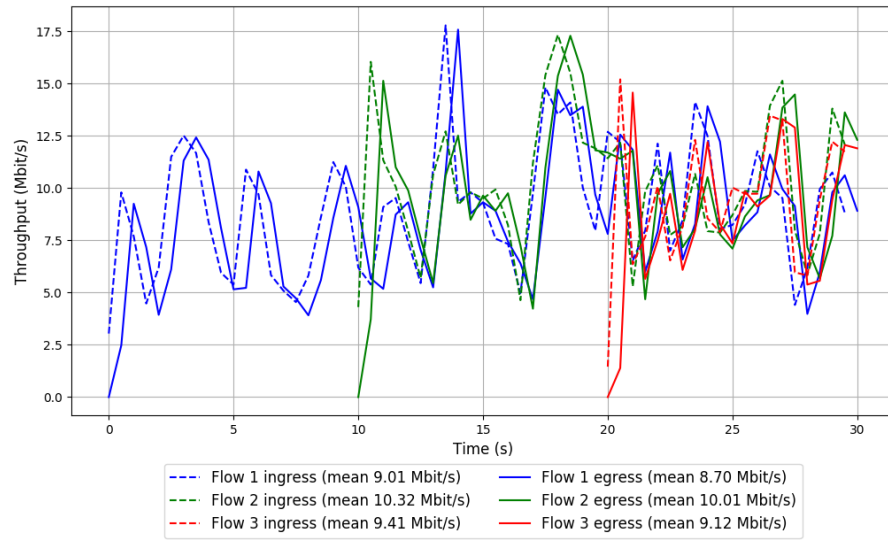


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-18 17:13:38
End at: 2018-06-18 17:14:08
Local clock offset: 1.403 ms
Remote clock offset: -5.523 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 8.558 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 8.280 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 8.634 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 9.248 ms
Loss rate: 3.10%

Run 4: Report of QUIC Cubic — Data Link

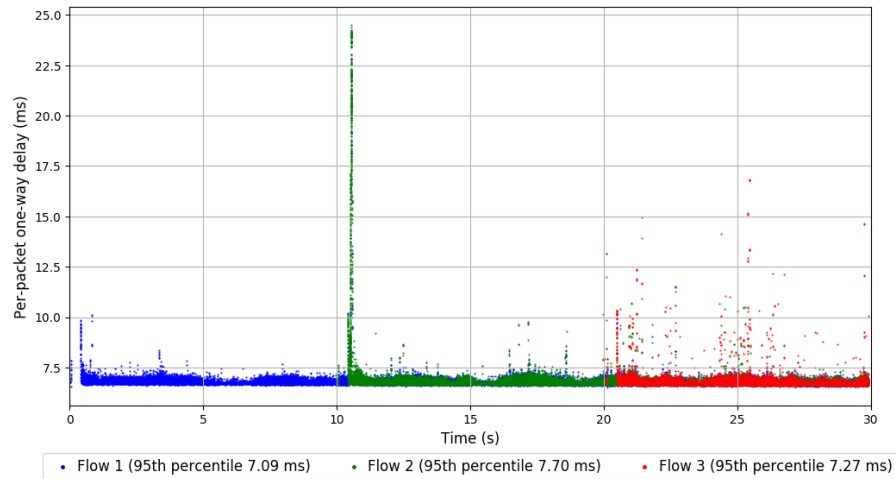
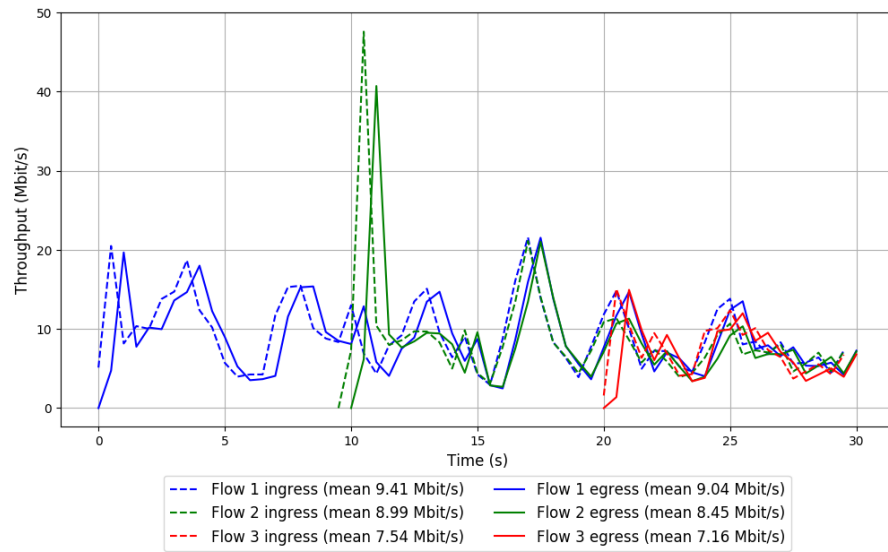


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-18 17:32:10
End at: 2018-06-18 17:32:40
Local clock offset: 1.117 ms
Remote clock offset: -1.807 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 7.169 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 9.04 Mbit/s
95th percentile per-packet one-way delay: 7.088 ms
Loss rate: 3.95%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 7.704 ms
Loss rate: 6.05%
-- Flow 3:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 7.273 ms
Loss rate: 5.15%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-18 17:50:26

End at: 2018-06-18 17:50:56

Local clock offset: -0.162 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-06-18 19:33:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.39 Mbit/s

95th percentile per-packet one-way delay: 9.938 ms

Loss rate: 3.93%

-- Flow 1:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 9.965 ms

Loss rate: 3.54%

-- Flow 2:

Average throughput: 8.08 Mbit/s

95th percentile per-packet one-way delay: 9.938 ms

Loss rate: 4.02%

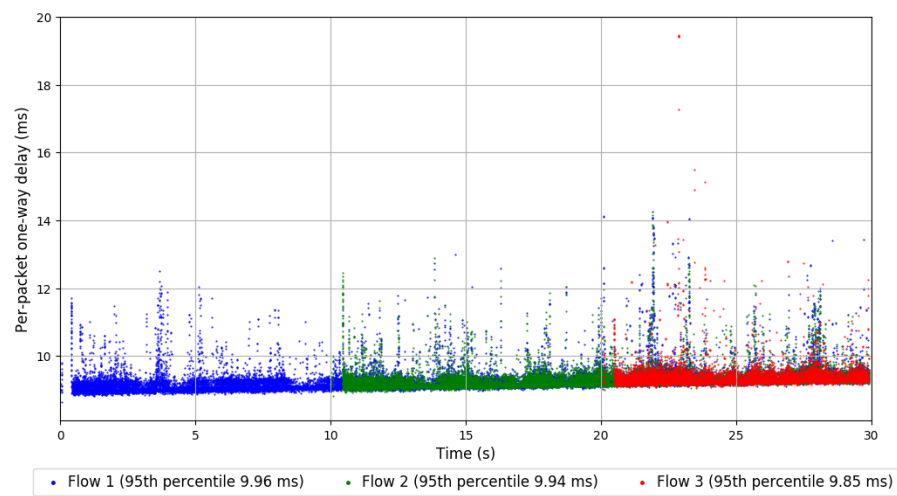
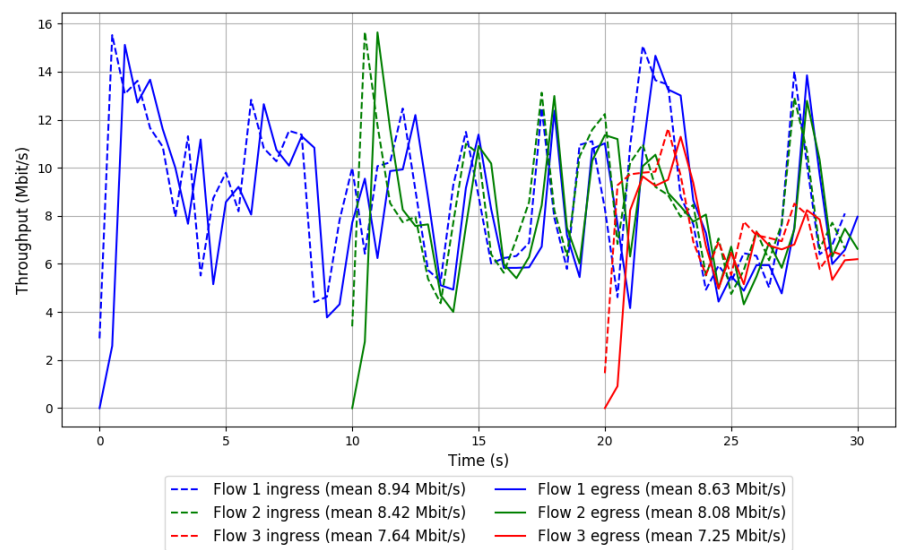
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 9.854 ms

Loss rate: 5.11%

Run 6: Report of QUIC Cubic — Data Link

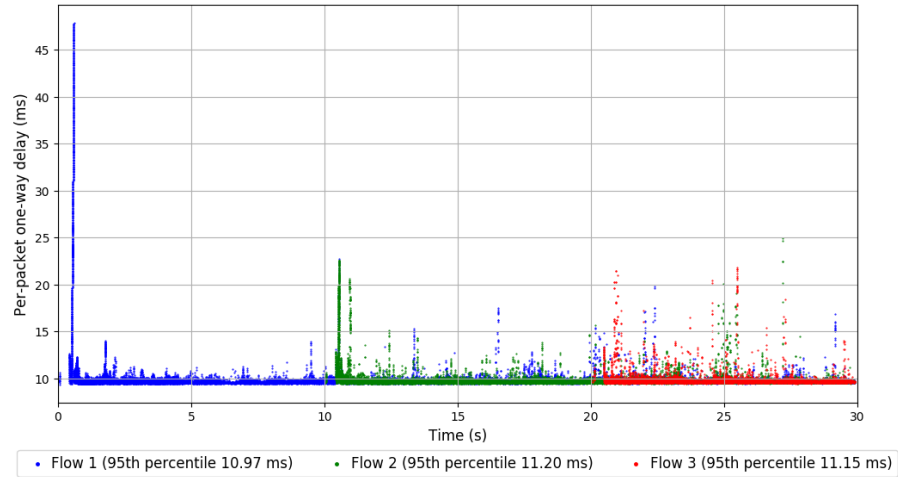
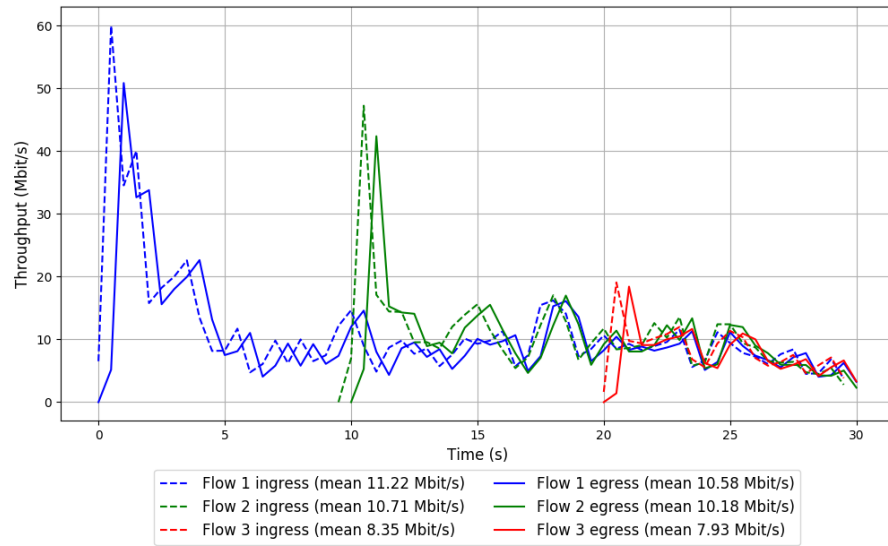


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-18 18:09:01
End at: 2018-06-18 18:09:31
Local clock offset: -0.097 ms
Remote clock offset: -5.119 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 11.069 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 10.974 ms
Loss rate: 5.70%
-- Flow 2:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 11.197 ms
Loss rate: 5.01%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 11.148 ms
Loss rate: 5.01%

Run 7: Report of QUIC Cubic — Data Link

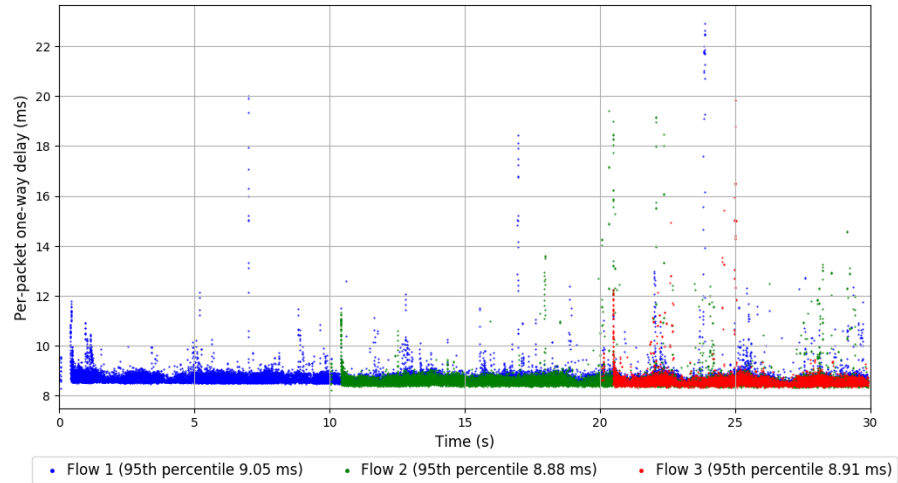
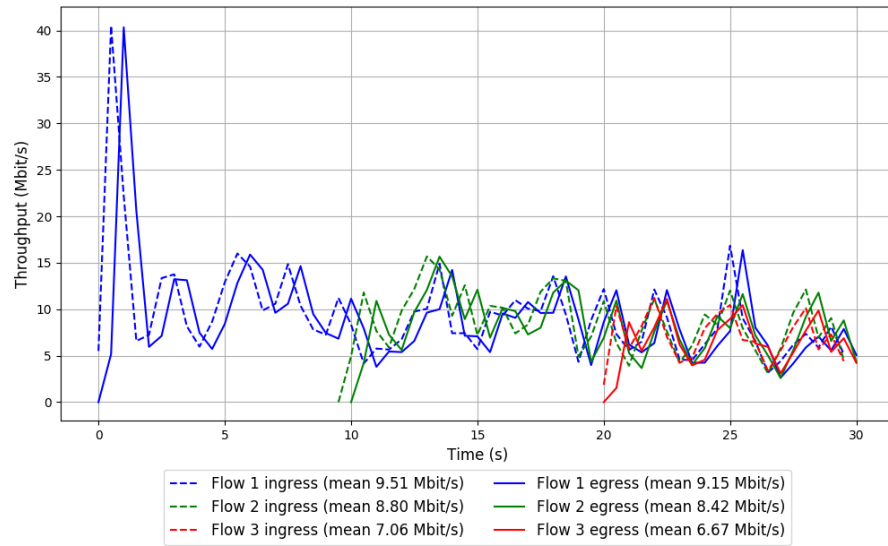


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-18 18:27:17
End at: 2018-06-18 18:27:47
Local clock offset: 0.989 ms
Remote clock offset: -5.279 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 9.001 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 9.053 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 8.878 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 8.909 ms
Loss rate: 5.48%

Run 8: Report of QUIC Cubic — Data Link

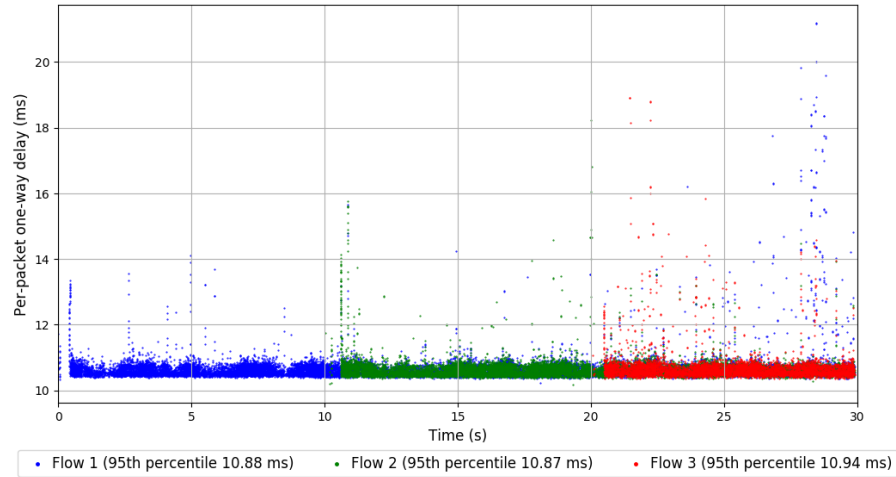
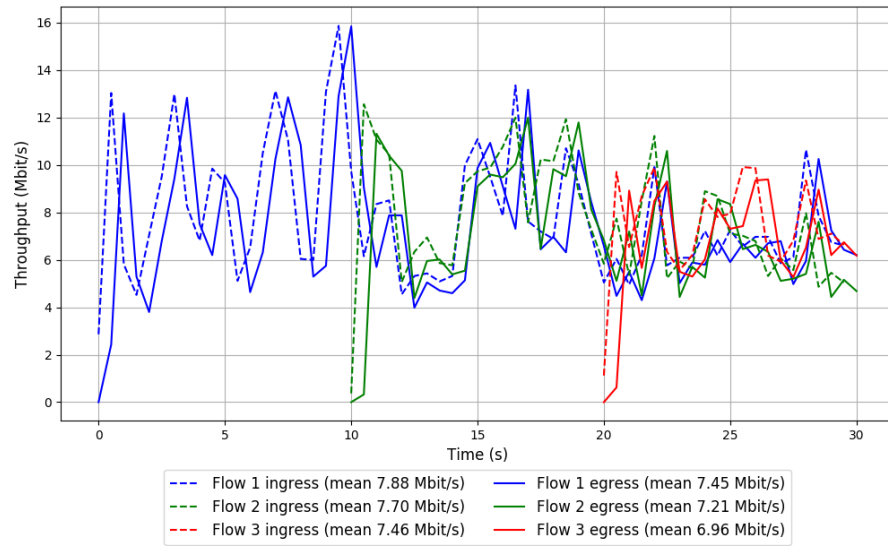


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-18 18:46:02
End at: 2018-06-18 18:46:32
Local clock offset: -0.425 ms
Remote clock offset: -3.237 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 10.886 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 10.879 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 10.874 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 10.942 ms
Loss rate: 6.62%

Run 9: Report of QUIC Cubic — Data Link

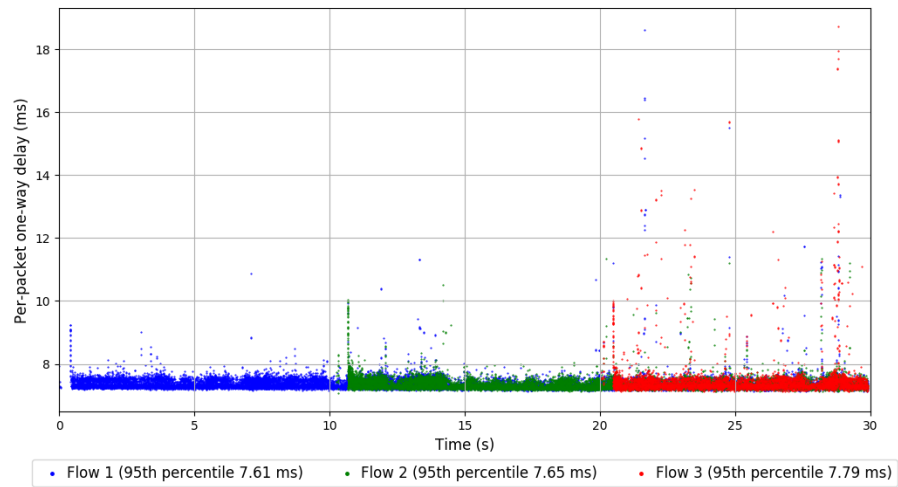
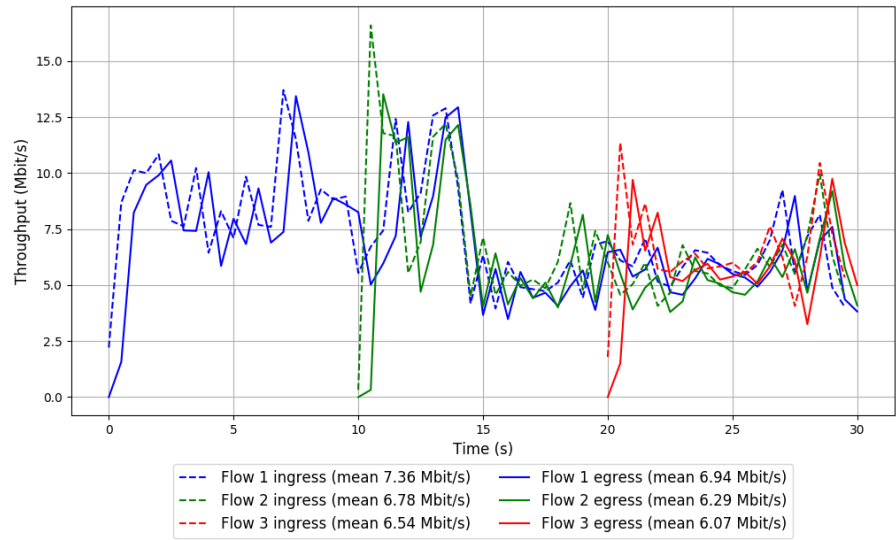


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-18 19:04:42
End at: 2018-06-18 19:05:12
Local clock offset: 2.169 ms
Remote clock offset: -2.684 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 7.636 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 7.614 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 7.646 ms
Loss rate: 7.25%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 7.785 ms
Loss rate: 7.20%

Run 10: Report of QUIC Cubic — Data Link

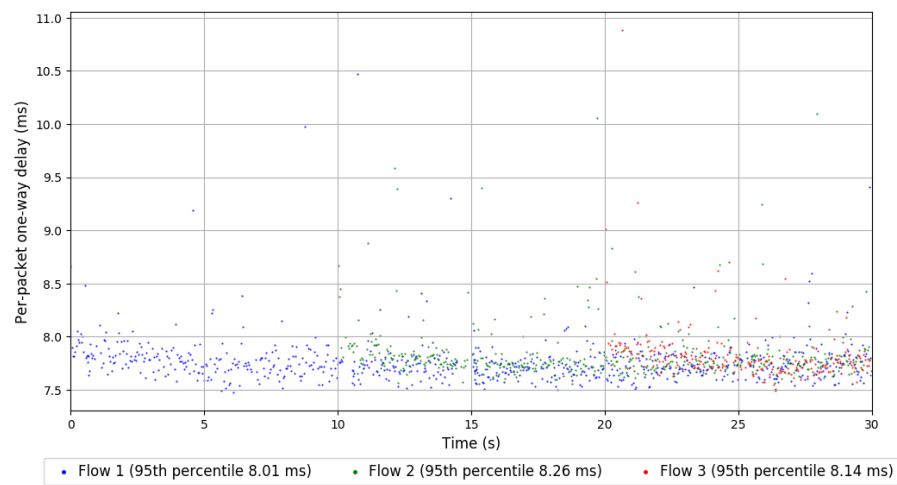
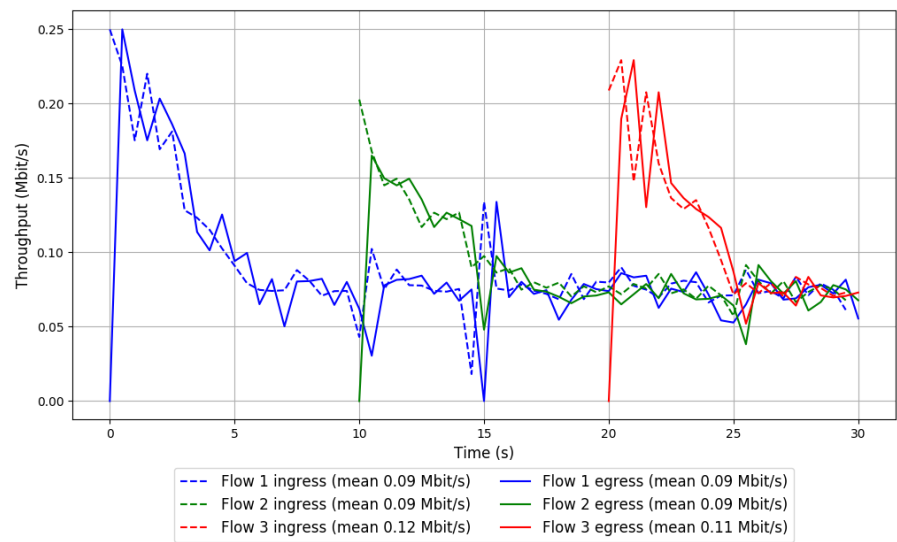


Run 1: Statistics of SCReAM

Start at: 2018-06-18 16:27:31
End at: 2018-06-18 16:28:01
Local clock offset: -0.17 ms
Remote clock offset: -7.252 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 8.103 ms
Loss rate: 4.92%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.005 ms
Loss rate: 4.40%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.261 ms
Loss rate: 5.68%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.140 ms
Loss rate: 4.93%

Run 1: Report of SReAM — Data Link

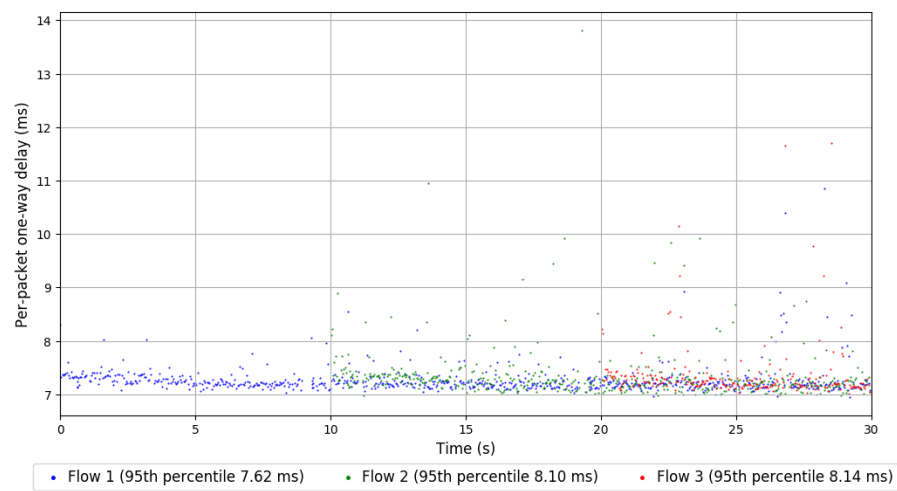
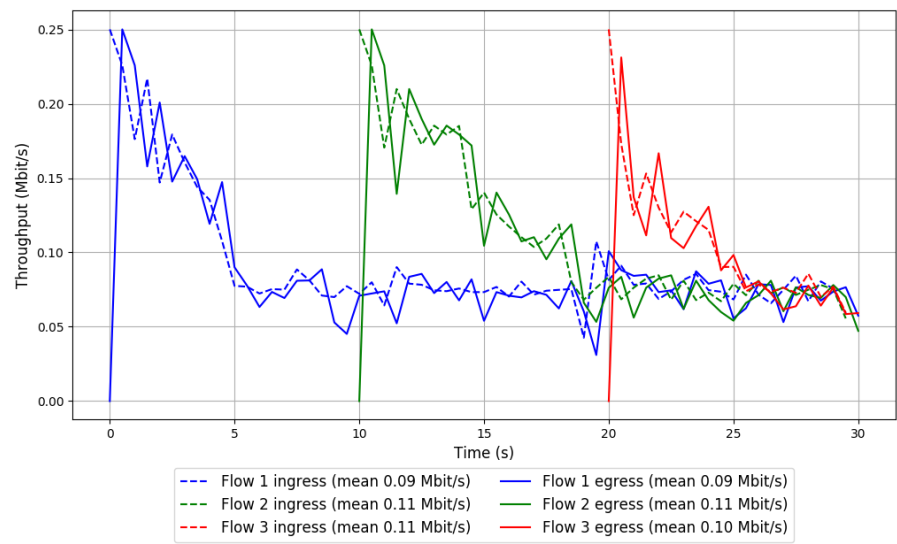


Run 2: Statistics of SCReAM

Start at: 2018-06-18 16:46:04
End at: 2018-06-18 16:46:34
Local clock offset: 1.677 ms
Remote clock offset: -6.316 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 7.788 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.616 ms
Loss rate: 5.24%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 8.103 ms
Loss rate: 4.62%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.138 ms
Loss rate: 7.95%

Run 2: Report of SReAM — Data Link

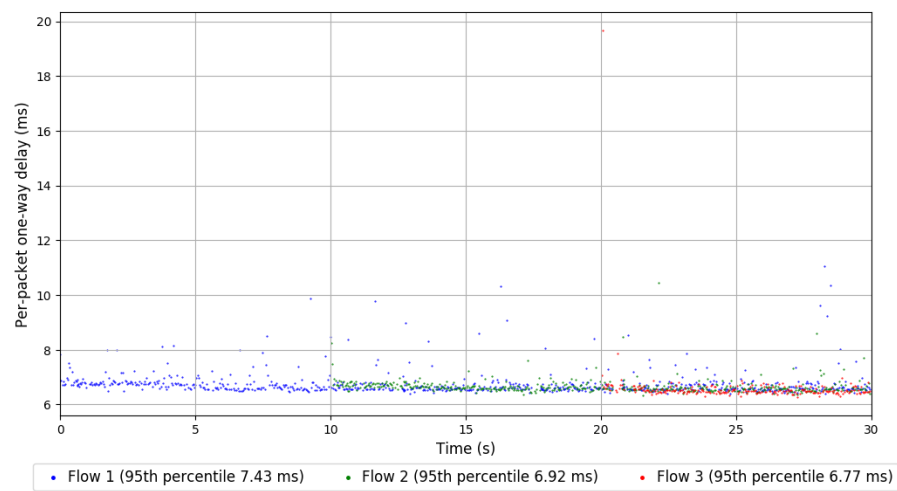
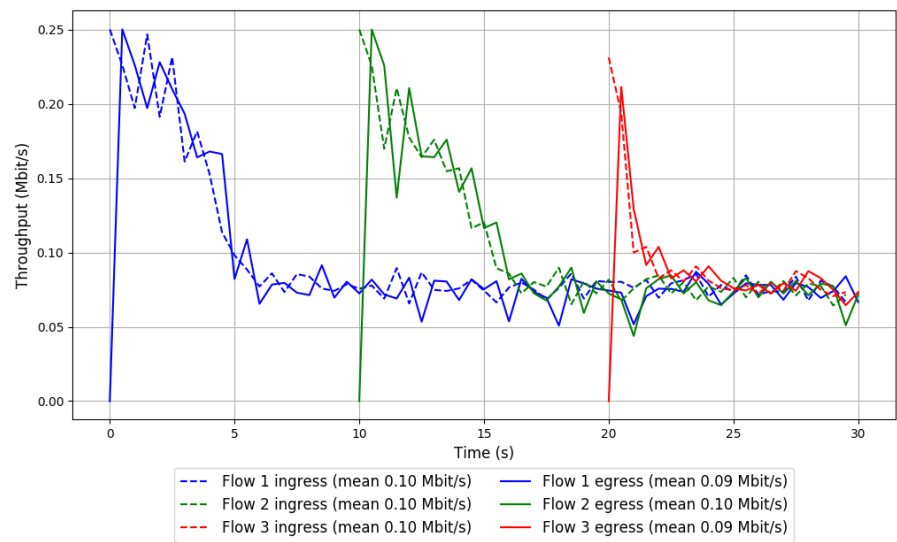


Run 3: Statistics of SReAM

Start at: 2018-06-18 17:04:19
End at: 2018-06-18 17:04:49
Local clock offset: 1.927 ms
Remote clock offset: -6.468 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 7.113 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.433 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 6.922 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 6.766 ms
Loss rate: 5.20%

Run 3: Report of SReAM — Data Link

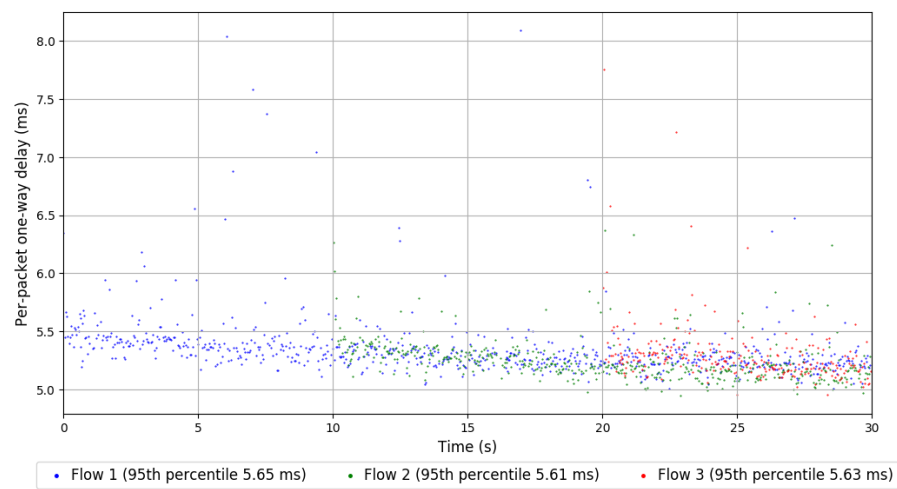
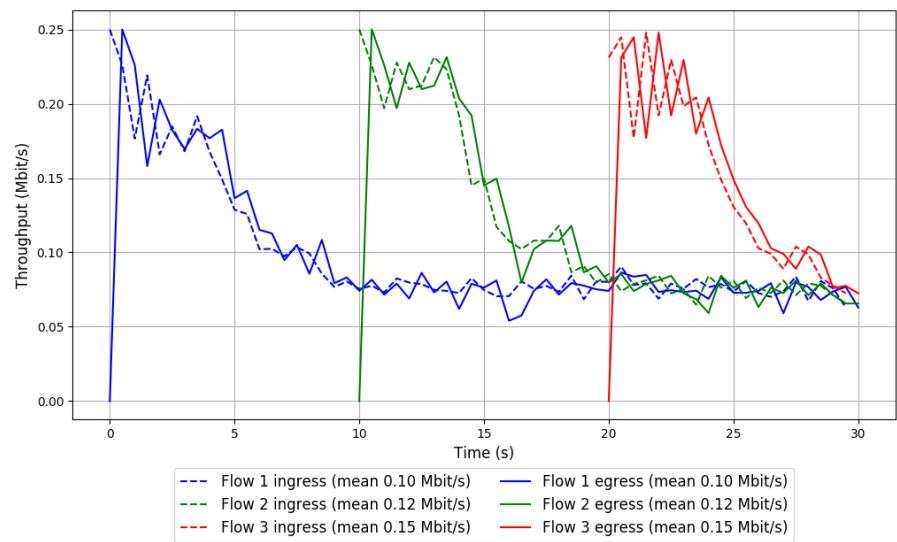


Run 4: Statistics of SCReAM

Start at: 2018-06-18 17:22:50
End at: 2018-06-18 17:23:20
Local clock offset: 3.292 ms
Remote clock offset: -2.961 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 5.639 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 5.610 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 5.633 ms
Loss rate: 0.84%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-18 17:41:12

End at: 2018-06-18 17:41:42

Local clock offset: 1.719 ms

Remote clock offset: 0.814 ms

Below is generated by plot.py at 2018-06-18 19:33:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.782 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 7.850 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 7.499 ms

Loss rate: 2.27%

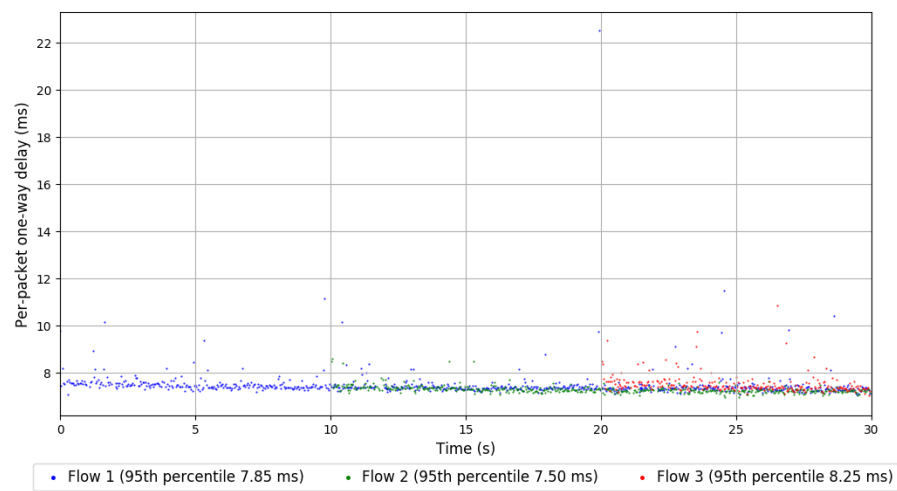
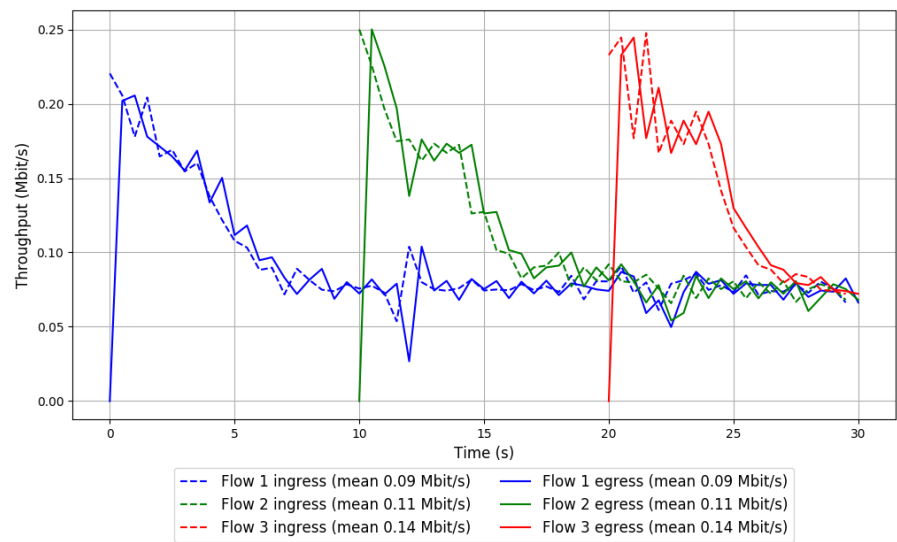
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 8.247 ms

Loss rate: 1.99%

Run 5: Report of SReAM — Data Link

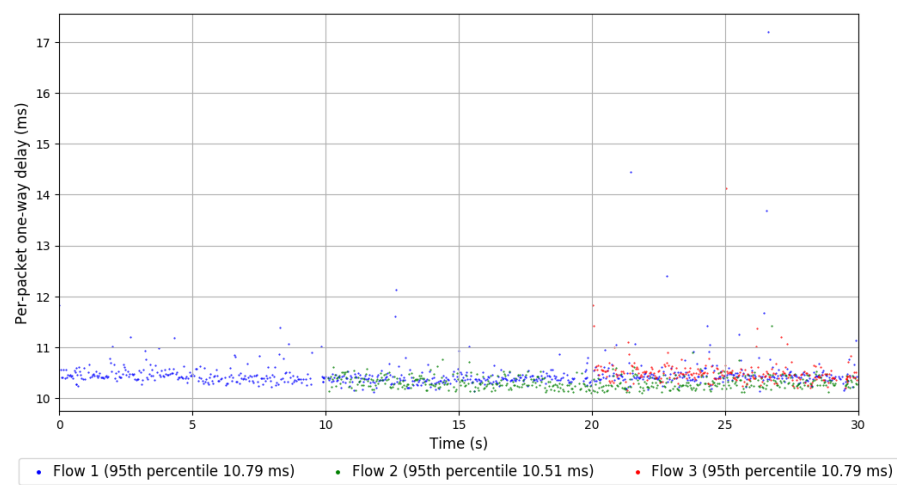
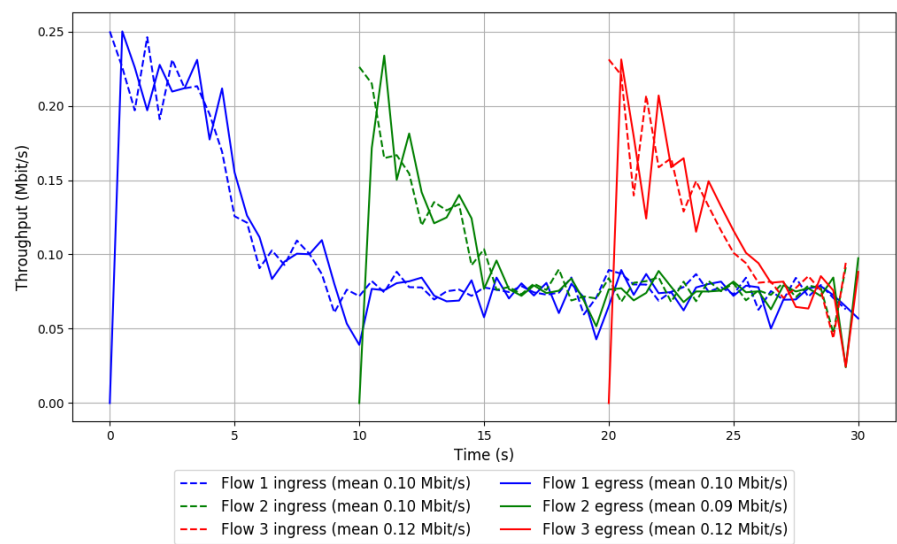


Run 6: Statistics of SCReAM

Start at: 2018-06-18 17:59:47
End at: 2018-06-18 18:00:17
Local clock offset: -1.732 ms
Remote clock offset: -3.997 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 10.680 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 10.788 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.507 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 10.785 ms
Loss rate: 4.70%

Run 6: Report of SReAM — Data Link

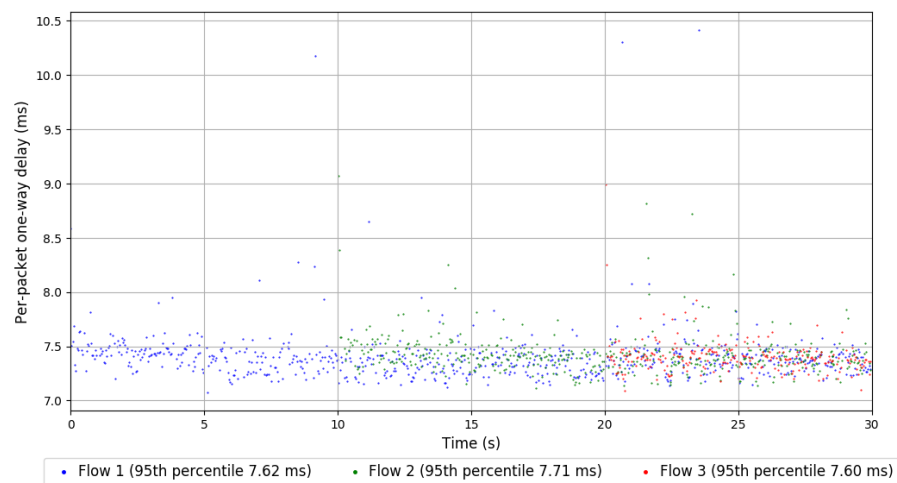
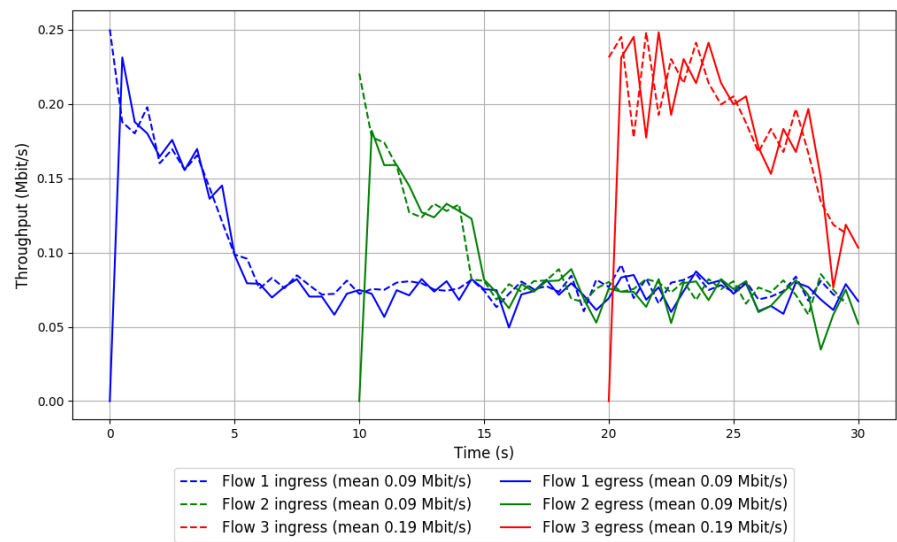


Run 7: Statistics of SCReAM

Start at: 2018-06-18 18:18:11
End at: 2018-06-18 18:18:41
Local clock offset: 1.463 ms
Remote clock offset: -6.711 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.633 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.619 ms
Loss rate: 5.45%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.714 ms
Loss rate: 6.58%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 7.602 ms
Loss rate: 3.01%

Run 7: Report of SReAM — Data Link

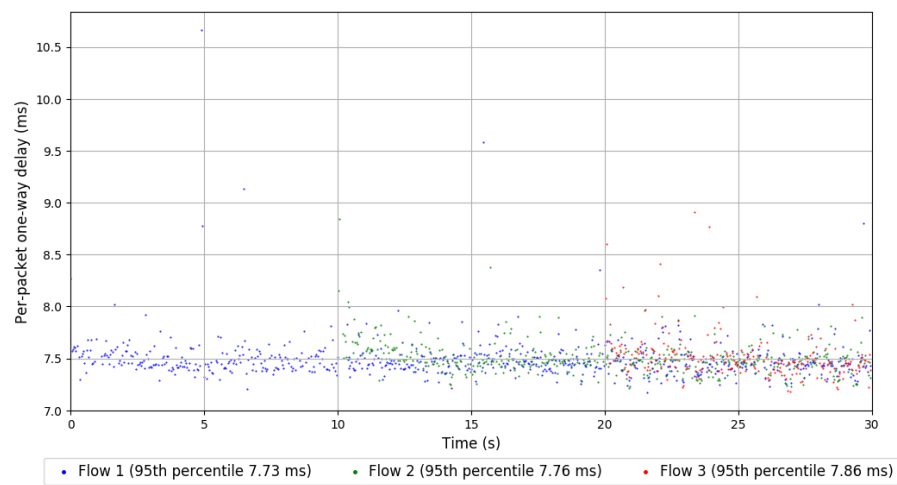
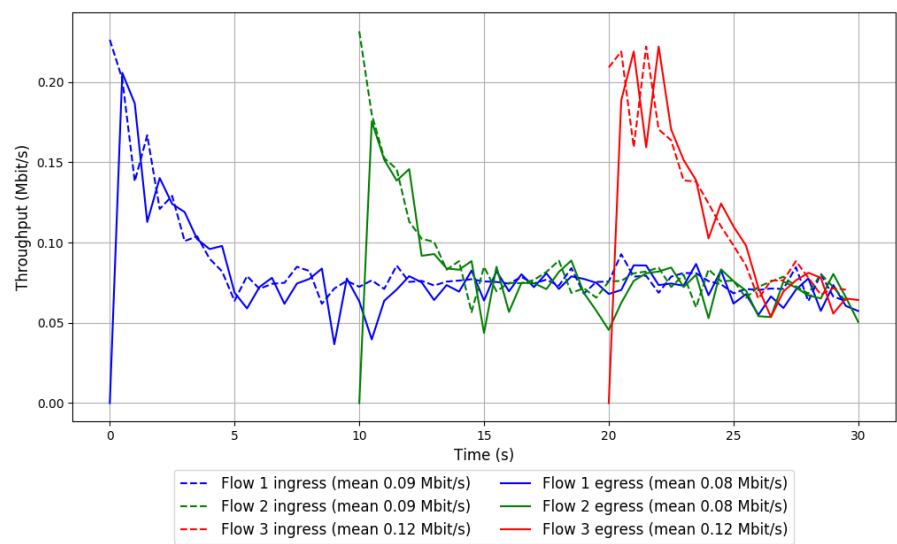


Run 8: Statistics of SCReAM

Start at: 2018-06-18 18:36:28
End at: 2018-06-18 18:36:58
Local clock offset: 1.654 ms
Remote clock offset: -4.666 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 7.766 ms
Loss rate: 6.92%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 7.726 ms
Loss rate: 6.46%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 7.756 ms
Loss rate: 8.63%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 7.862 ms
Loss rate: 5.43%

Run 8: Report of SReAM — Data Link

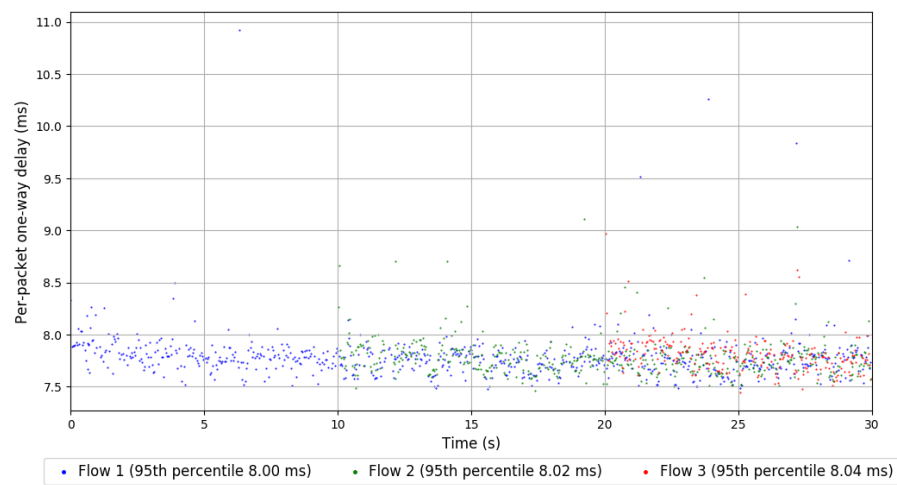
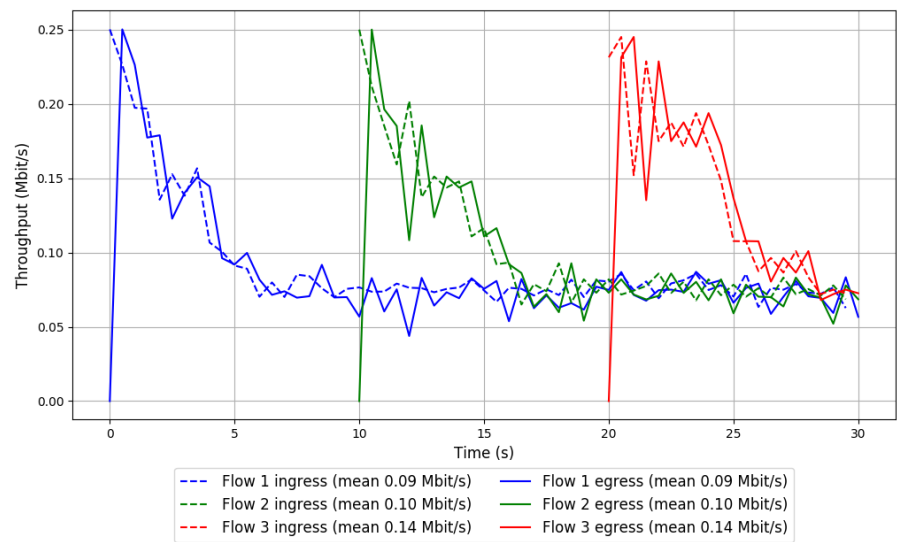


Run 9: Statistics of SReAM

Start at: 2018-06-18 18:55:26
End at: 2018-06-18 18:55:56
Local clock offset: 1.737 ms
Remote clock offset: -3.605 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 8.017 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.004 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.019 ms
Loss rate: 4.94%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 8.042 ms
Loss rate: 1.82%

Run 9: Report of SReAM — Data Link

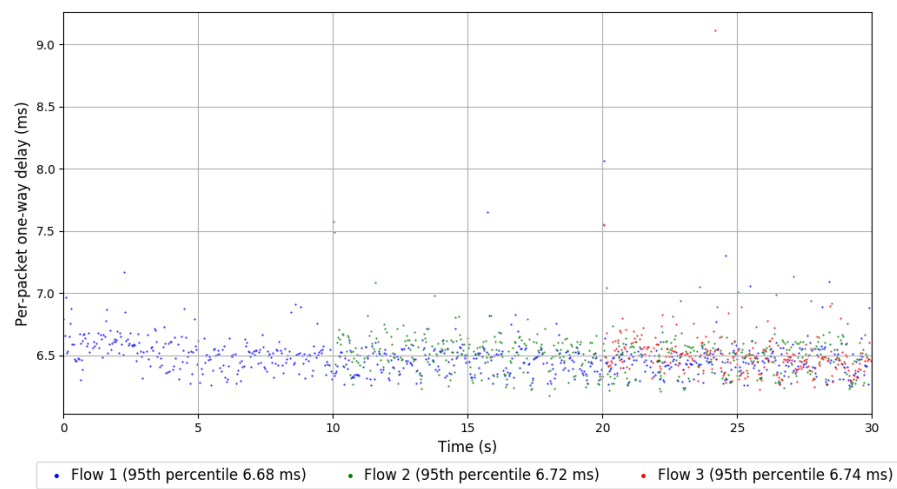
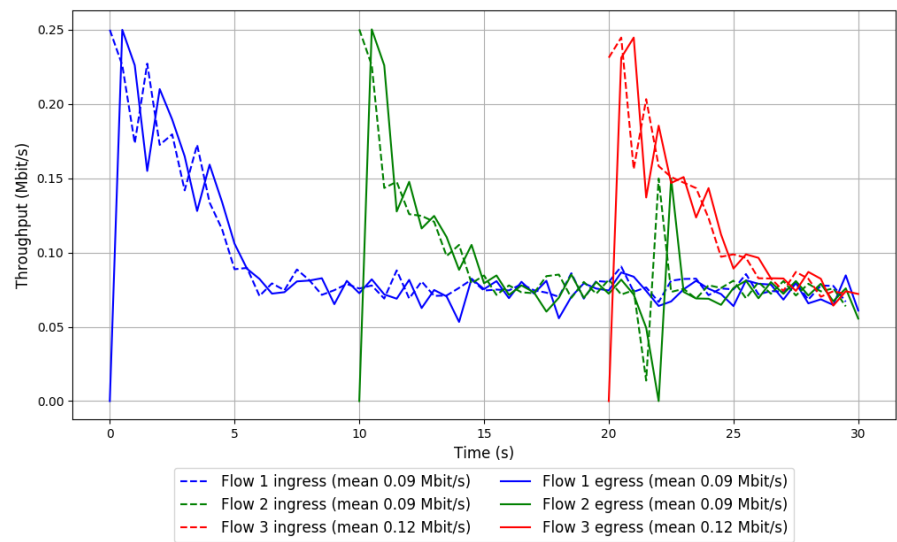


Run 10: Statistics of SReAM

Start at: 2018-06-18 19:13:55
End at: 2018-06-18 19:14:25
Local clock offset: 3.927 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2018-06-18 19:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.711 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 6.678 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 6.717 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 6.738 ms
Loss rate: 3.91%

Run 10: Report of SReAM — Data Link

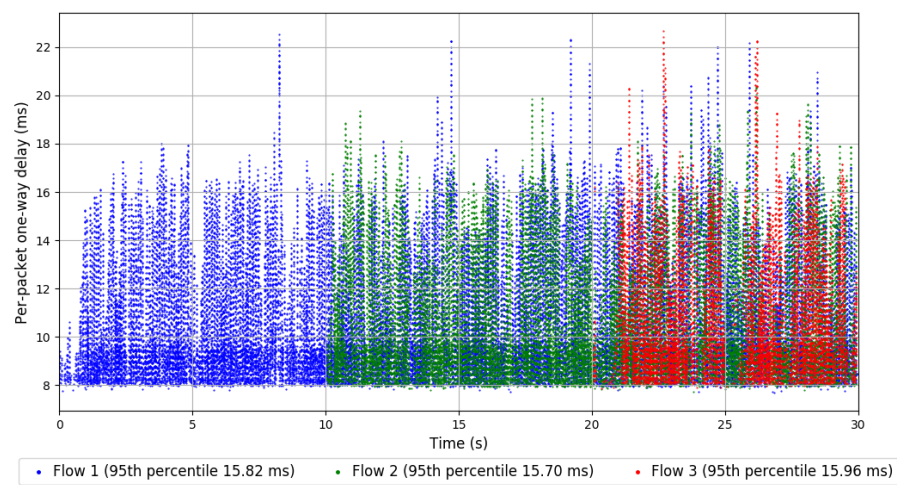
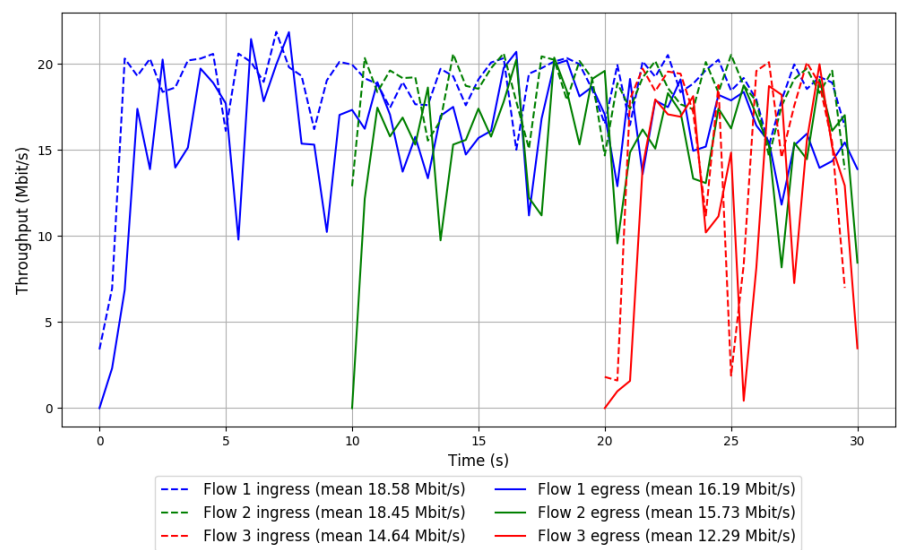


Run 1: Statistics of Sprout

Start at: 2018-06-18 16:28:37
End at: 2018-06-18 16:29:07
Local clock offset: -0.352 ms
Remote clock offset: -7.257 ms

Below is generated by plot.py at 2018-06-18 19:33:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 15.797 ms
Loss rate: 13.92%
-- Flow 1:
Average throughput: 16.19 Mbit/s
95th percentile per-packet one-way delay: 15.818 ms
Loss rate: 12.86%
-- Flow 2:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 15.700 ms
Loss rate: 14.70%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 15.964 ms
Loss rate: 16.02%

Run 1: Report of Sprout — Data Link

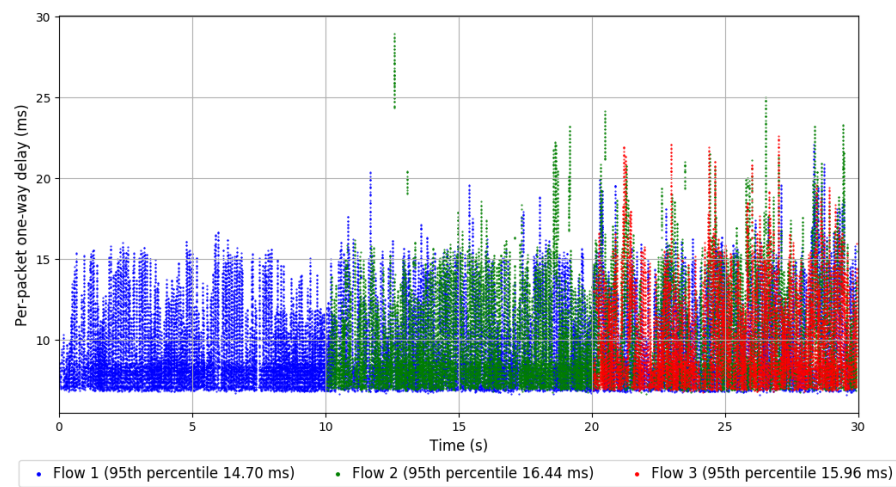
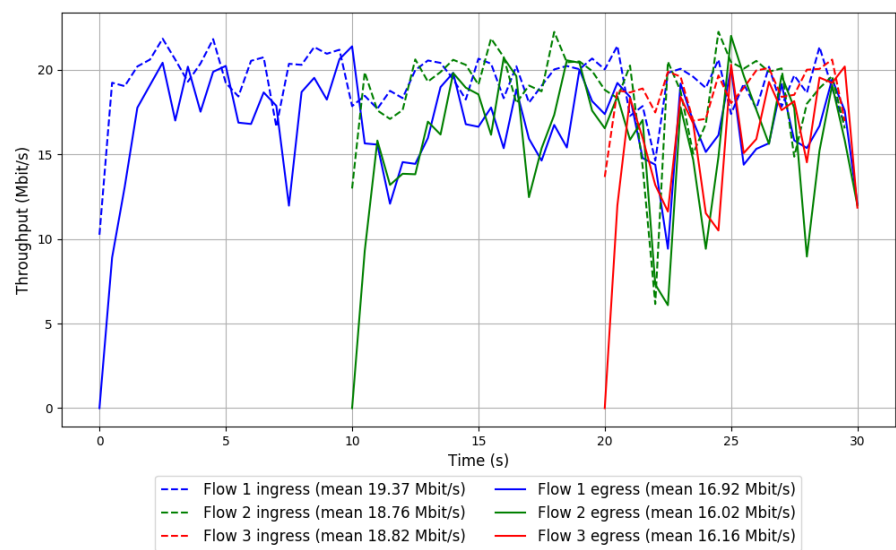


Run 2: Statistics of Sprout

Start at: 2018-06-18 16:47:09
End at: 2018-06-18 16:47:39
Local clock offset: 1.469 ms
Remote clock offset: -6.684 ms

Below is generated by plot.py at 2018-06-18 19:34:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 15.338 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 14.698 ms
Loss rate: 12.72%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 16.441 ms
Loss rate: 14.54%
-- Flow 3:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 15.964 ms
Loss rate: 14.05%

Run 2: Report of Sprout — Data Link

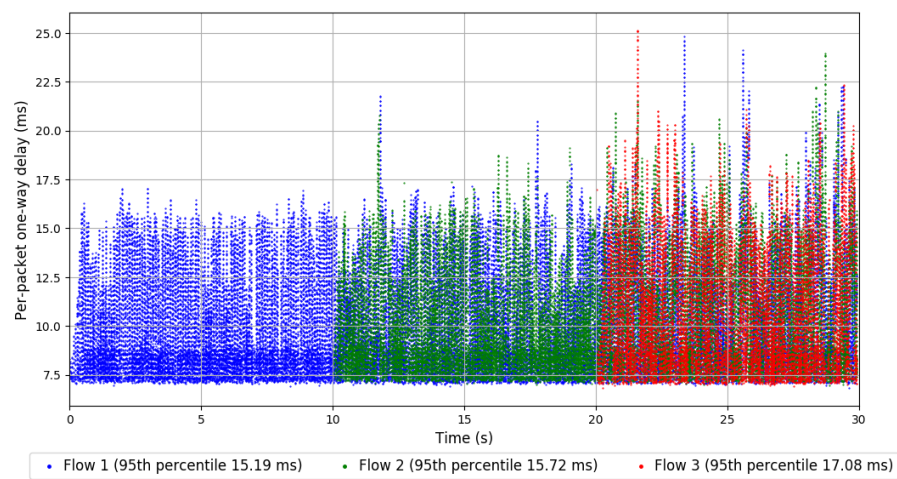
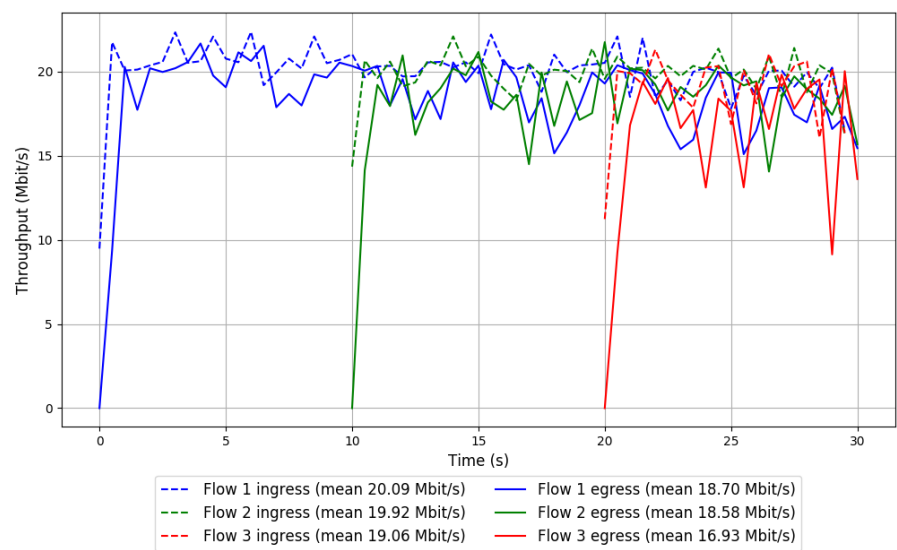


Run 3: Statistics of Sprout

Start at: 2018-06-18 17:05:30
End at: 2018-06-18 17:06:00
Local clock offset: 2.22 ms
Remote clock offset: -5.508 ms

Below is generated by plot.py at 2018-06-18 19:34:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 15.630 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 15.192 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 15.718 ms
Loss rate: 6.75%
-- Flow 3:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 17.083 ms
Loss rate: 11.25%

Run 3: Report of Sprout — Data Link

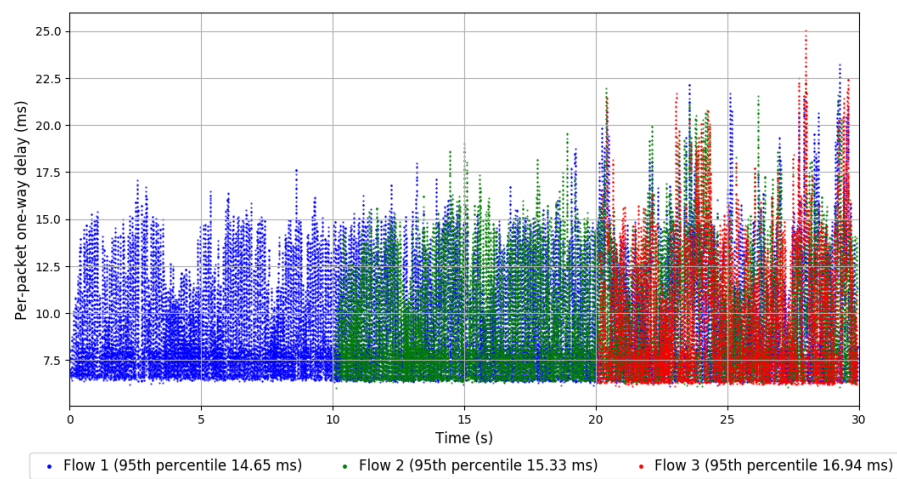
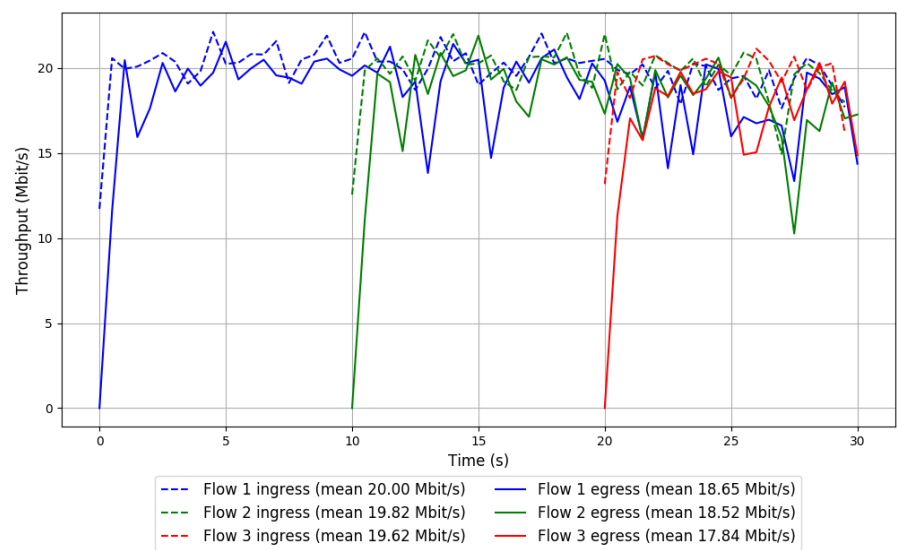


Run 4: Statistics of Sprout

Start at: 2018-06-18 17:23:55
End at: 2018-06-18 17:24:25
Local clock offset: 2.611 ms
Remote clock offset: -2.257 ms

```
# Below is generated by plot.py at 2018-06-18 19:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 15.198 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 14.655 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 15.330 ms
Loss rate: 6.56%
-- Flow 3:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 16.944 ms
Loss rate: 9.07%
```


Run 4: Report of Sprout — Data Link

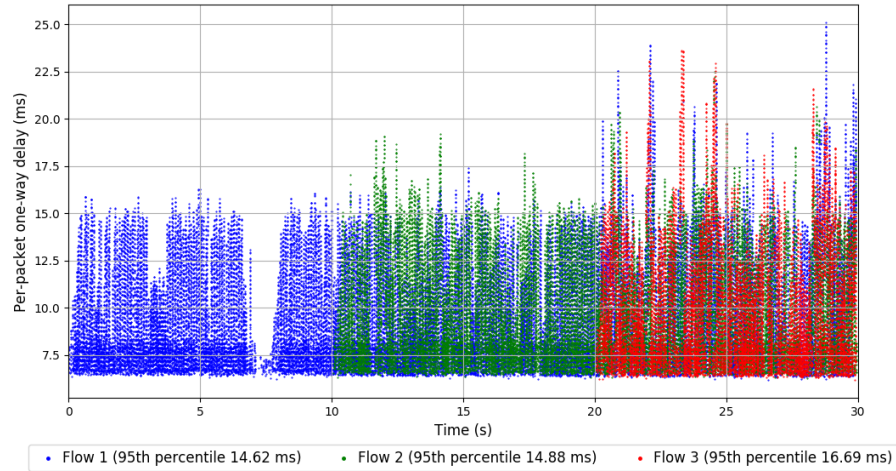
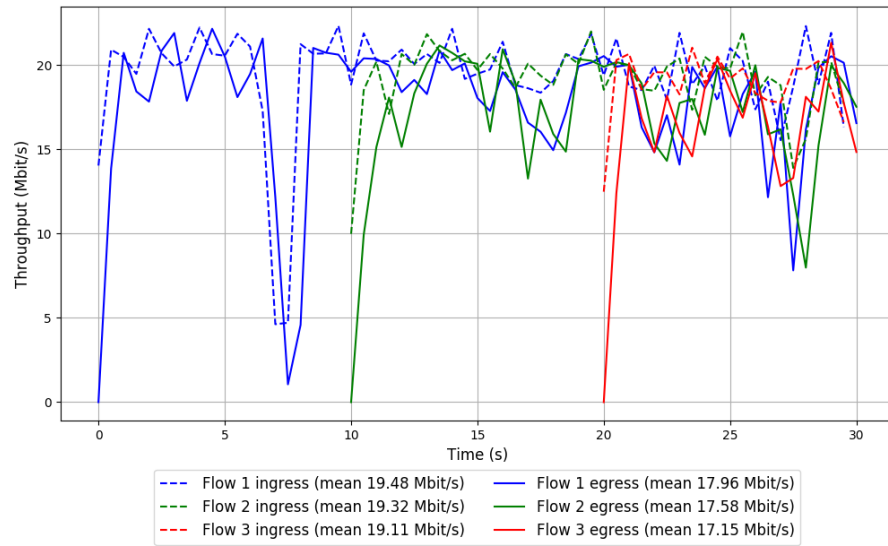


Run 5: Statistics of Sprout

Start at: 2018-06-18 17:42:18
End at: 2018-06-18 17:42:48
Local clock offset: 1.127 ms
Remote clock offset: -0.422 ms

```
# Below is generated by plot.py at 2018-06-18 19:34:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 14.975 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 14.616 ms
Loss rate: 7.74%
-- Flow 2:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 14.875 ms
Loss rate: 9.22%
-- Flow 3:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 16.688 ms
Loss rate: 10.40%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-18 18:00:53

End at: 2018-06-18 18:01:23

Local clock offset: 1.942 ms

Remote clock offset: -4.19 ms

Below is generated by plot.py at 2018-06-18 19:34:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 15.804 ms

Loss rate: 7.04%

-- Flow 1:

Average throughput: 18.32 Mbit/s

95th percentile per-packet one-way delay: 14.811 ms

Loss rate: 7.48%

-- Flow 2:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 16.723 ms

Loss rate: 7.09%

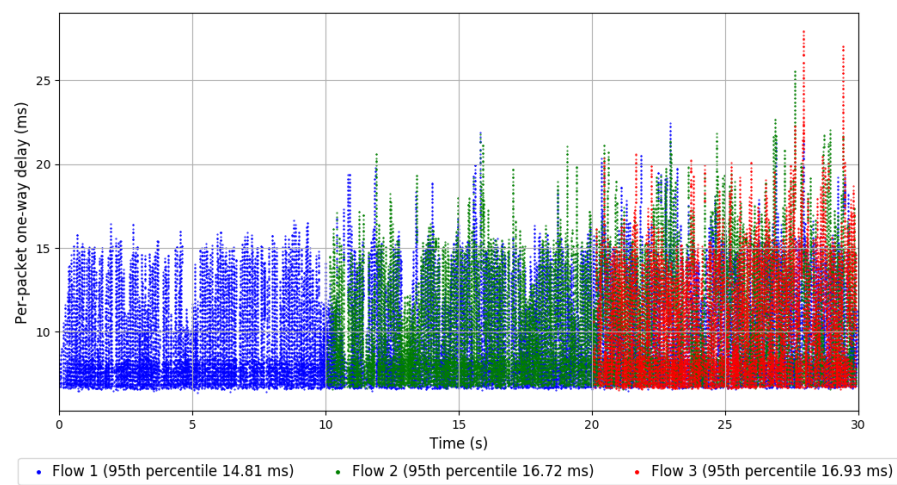
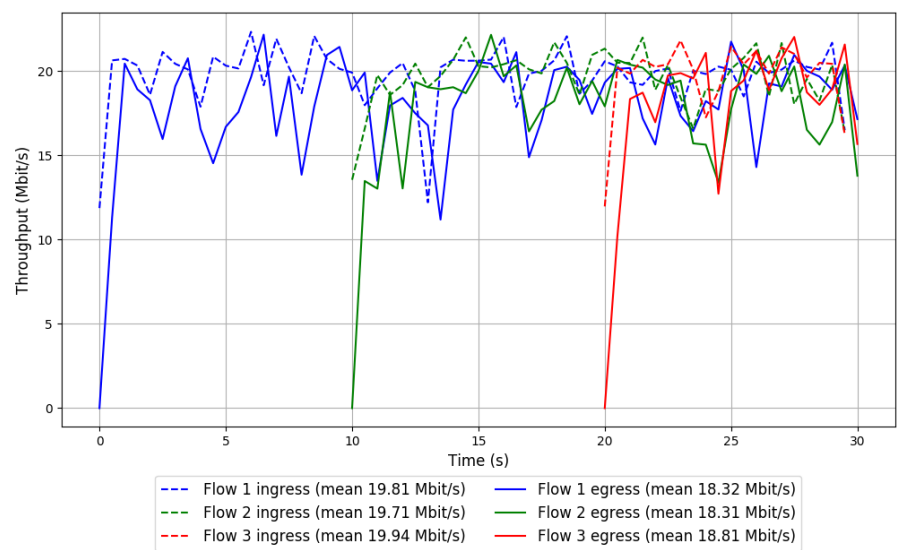
-- Flow 3:

Average throughput: 18.81 Mbit/s

95th percentile per-packet one-way delay: 16.929 ms

Loss rate: 5.63%

Run 6: Report of Sprout — Data Link

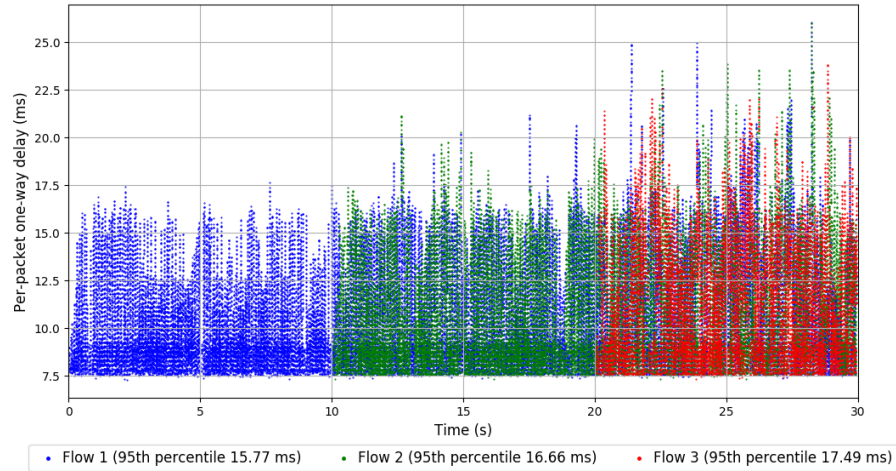
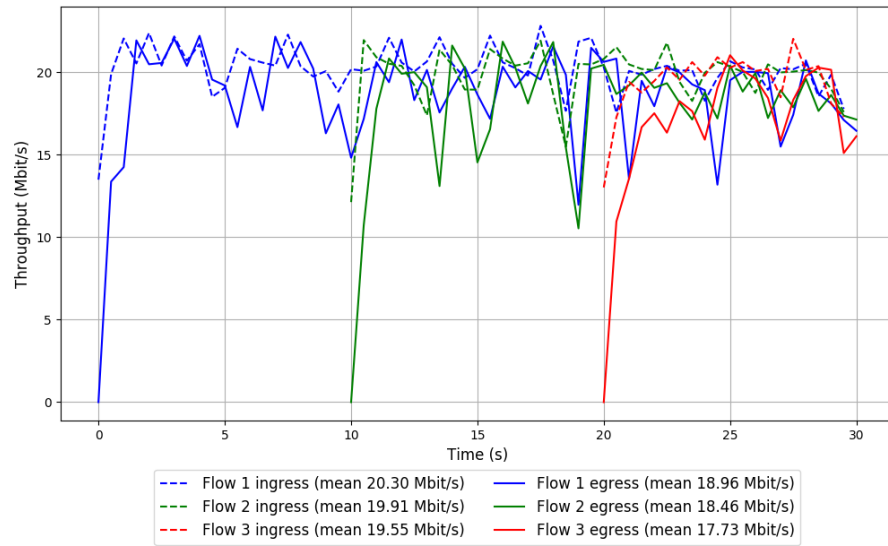


Run 7: Statistics of Sprout

Start at: 2018-06-18 18:19:15
End at: 2018-06-18 18:19:45
Local clock offset: 1.659 ms
Remote clock offset: -6.386 ms

Below is generated by plot.py at 2018-06-18 19:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 16.312 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 15.773 ms
Loss rate: 6.54%
-- Flow 2:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 16.665 ms
Loss rate: 7.24%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 17.488 ms
Loss rate: 9.31%

Run 7: Report of Sprout — Data Link

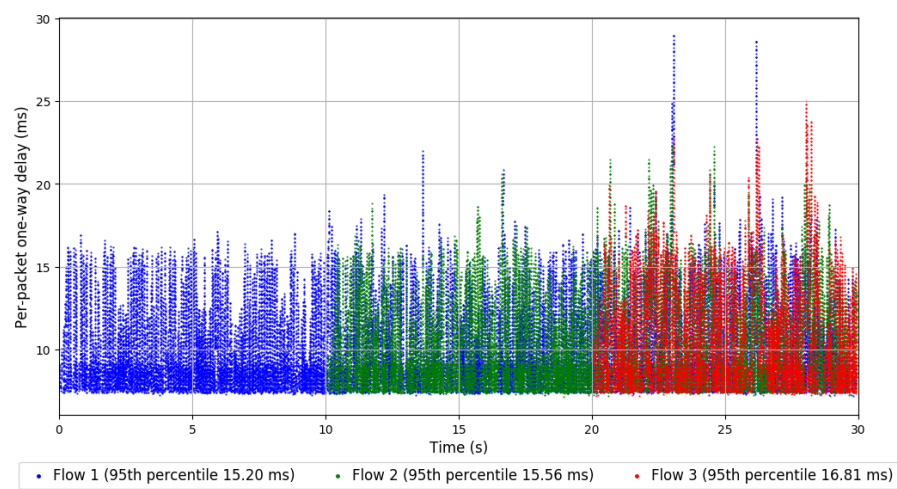
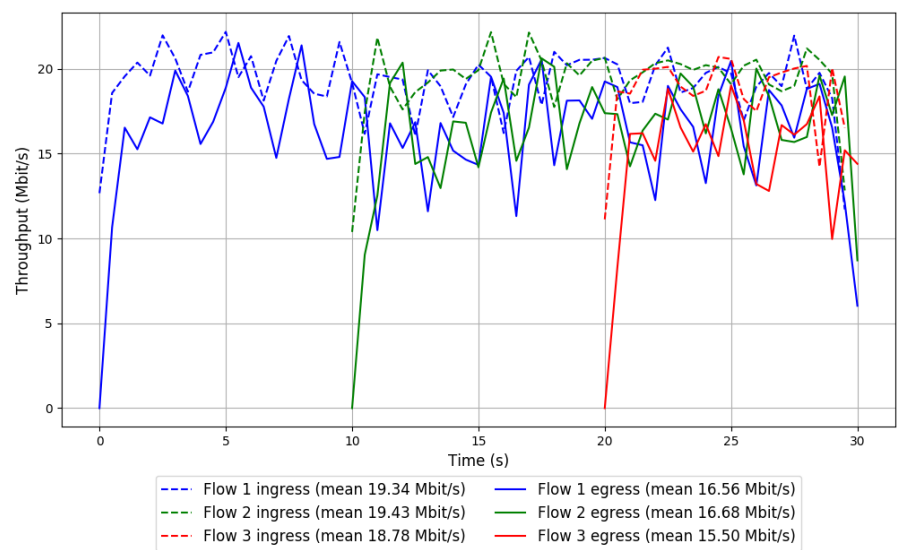


Run 8: Statistics of Sprout

Start at: 2018-06-18 18:37:34
End at: 2018-06-18 18:38:04
Local clock offset: 1.508 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-06-18 19:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 15.539 ms
Loss rate: 14.80%
-- Flow 1:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 15.197 ms
Loss rate: 14.38%
-- Flow 2:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 15.559 ms
Loss rate: 14.14%
-- Flow 3:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 16.808 ms
Loss rate: 17.47%

Run 8: Report of Sprout — Data Link

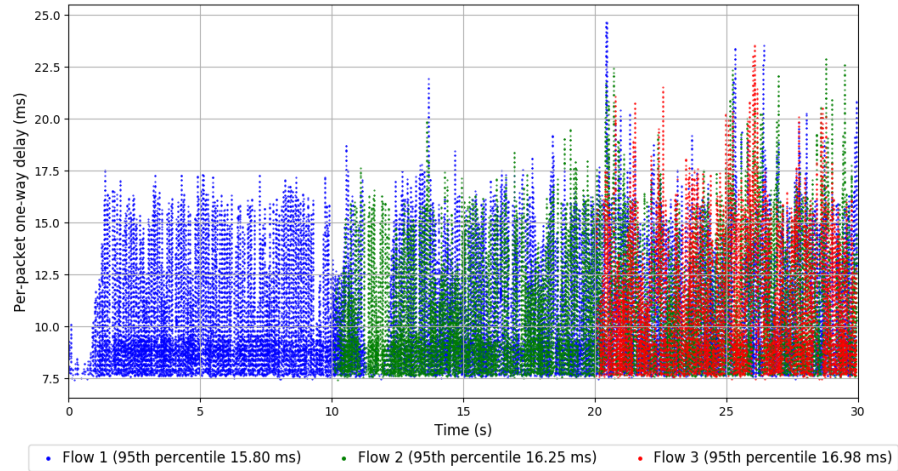
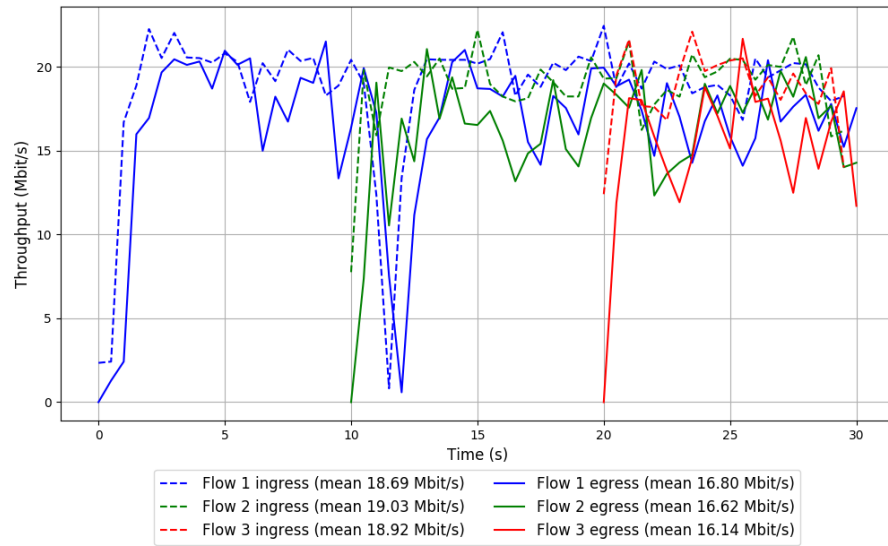


Run 9: Statistics of Sprout

Start at: 2018-06-18 18:56:31
End at: 2018-06-18 18:57:01
Local clock offset: 2.16 ms
Remote clock offset: -3.259 ms

Below is generated by plot.py at 2018-06-18 19:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 16.097 ms
Loss rate: 11.76%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 15.798 ms
Loss rate: 10.05%
-- Flow 2:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 16.246 ms
Loss rate: 12.84%
-- Flow 3:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 16.978 ms
Loss rate: 14.66%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-18 19:15:00

End at: 2018-06-18 19:15:31

Local clock offset: 2.69 ms

Remote clock offset: -3.67 ms

Below is generated by plot.py at 2018-06-18 19:34:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 13.590 ms

Loss rate: 12.37%

-- Flow 1:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 13.333 ms

Loss rate: 13.48%

-- Flow 2:

Average throughput: 16.78 Mbit/s

95th percentile per-packet one-way delay: 13.423 ms

Loss rate: 11.26%

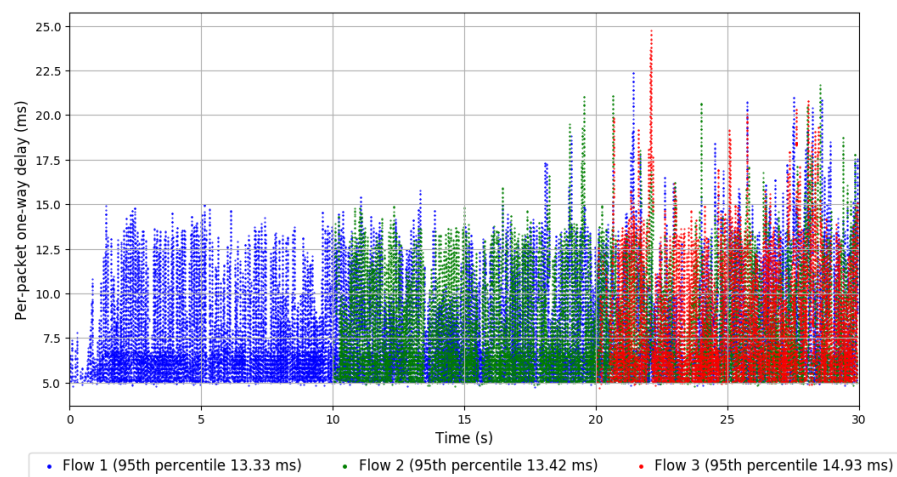
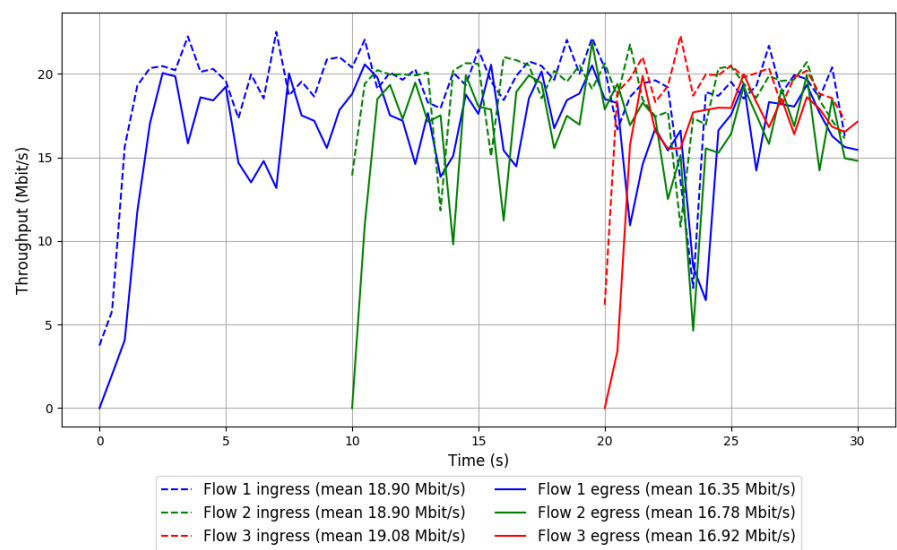
-- Flow 3:

Average throughput: 16.92 Mbit/s

95th percentile per-packet one-way delay: 14.929 ms

Loss rate: 11.24%

Run 10: Report of Sprout — Data Link

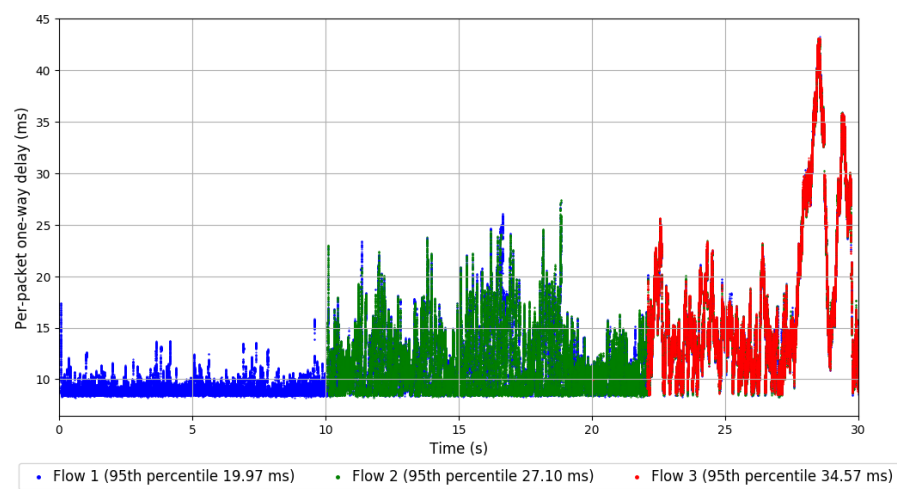
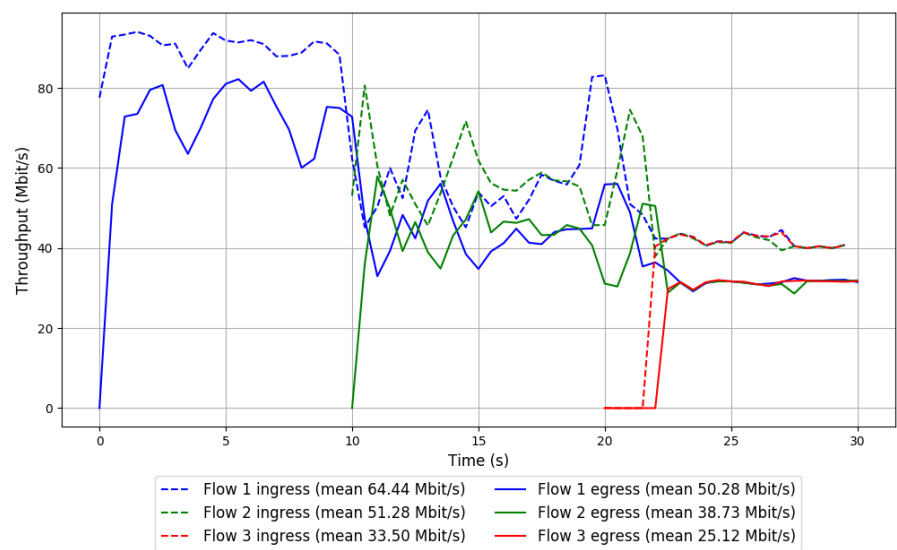


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-18 16:25:07
End at: 2018-06-18 16:25:37
Local clock offset: -0.552 ms
Remote clock offset: -6.834 ms

Below is generated by plot.py at 2018-06-18 19:36:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 25.880 ms
Loss rate: 23.05%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 19.969 ms
Loss rate: 21.96%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 27.102 ms
Loss rate: 24.46%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 34.568 ms
Loss rate: 25.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-18 16:43:41

End at: 2018-06-18 16:44:11

Local clock offset: -0.031 ms

Remote clock offset: -7.41 ms

Below is generated by plot.py at 2018-06-18 19:36:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.57 Mbit/s

95th percentile per-packet one-way delay: 34.998 ms

Loss rate: 20.56%

-- Flow 1:

Average throughput: 51.75 Mbit/s

95th percentile per-packet one-way delay: 30.837 ms

Loss rate: 19.92%

-- Flow 2:

Average throughput: 38.86 Mbit/s

95th percentile per-packet one-way delay: 35.412 ms

Loss rate: 21.42%

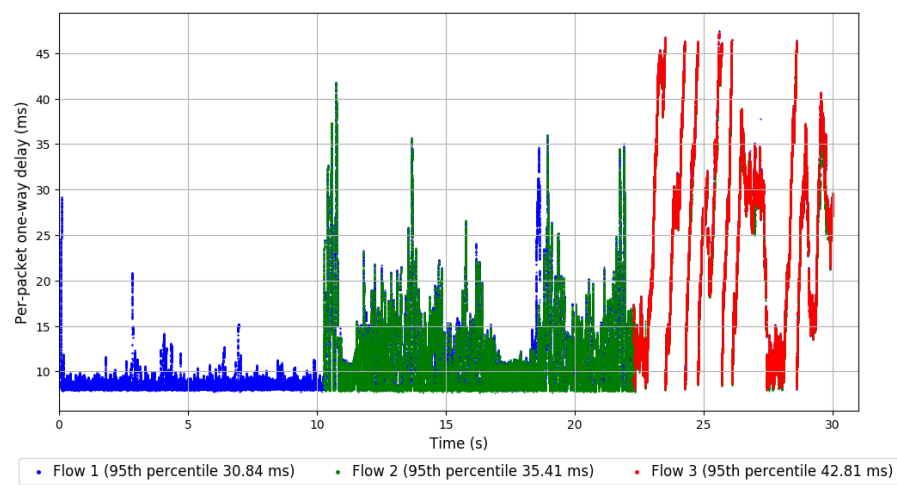
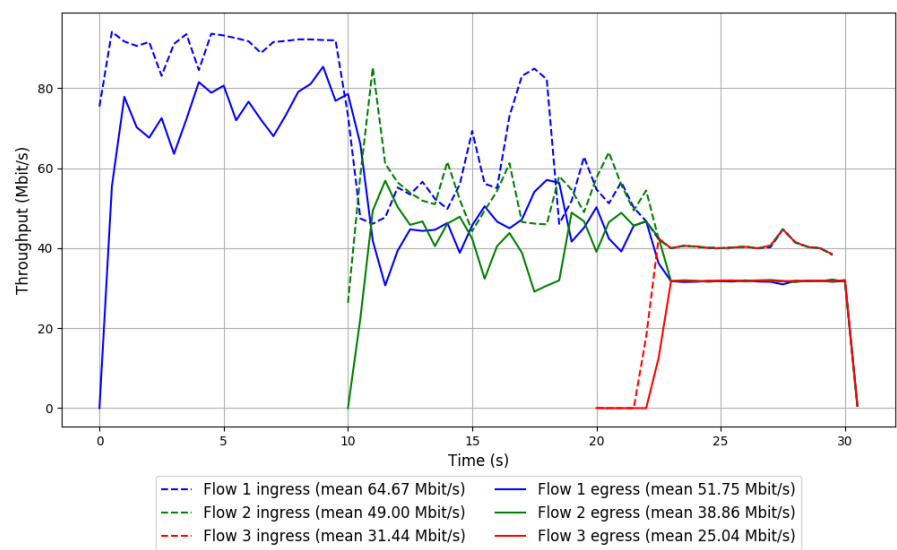
-- Flow 3:

Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 42.808 ms

Loss rate: 21.84%

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

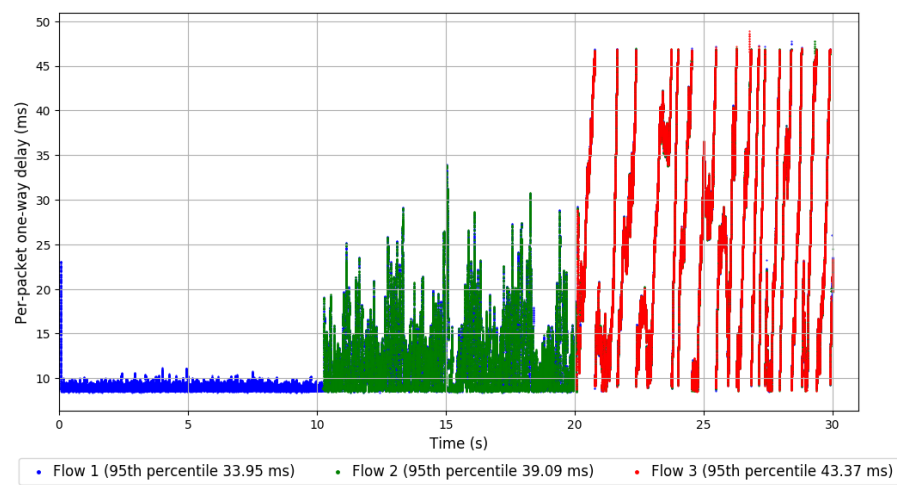
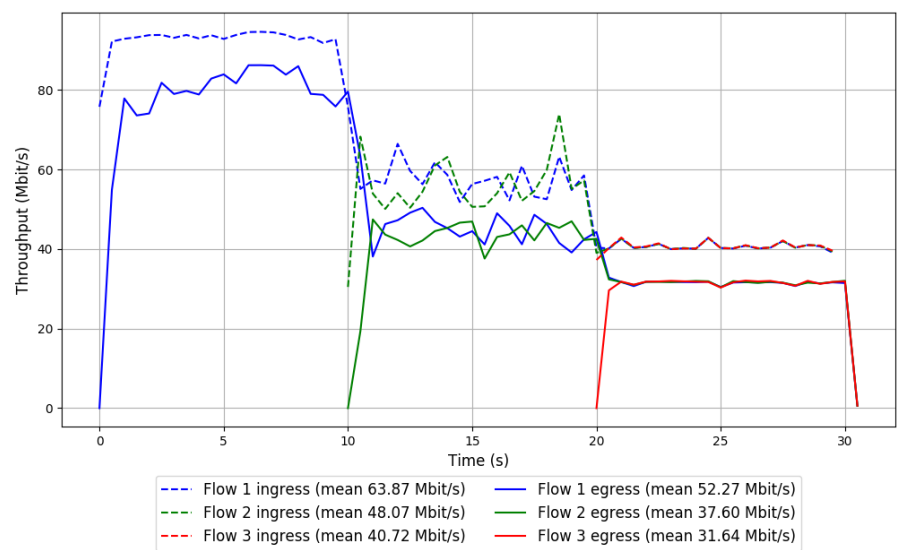


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-18 17:02:02
End at: 2018-06-18 17:02:32
Local clock offset: 0.464 ms
Remote clock offset: -5.839 ms

Below is generated by plot.py at 2018-06-18 19:36:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 38.210 ms
Loss rate: 19.92%
-- Flow 1:
Average throughput: 52.27 Mbit/s
95th percentile per-packet one-way delay: 33.951 ms
Loss rate: 18.13%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 39.089 ms
Loss rate: 22.51%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 43.370 ms
Loss rate: 22.26%

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

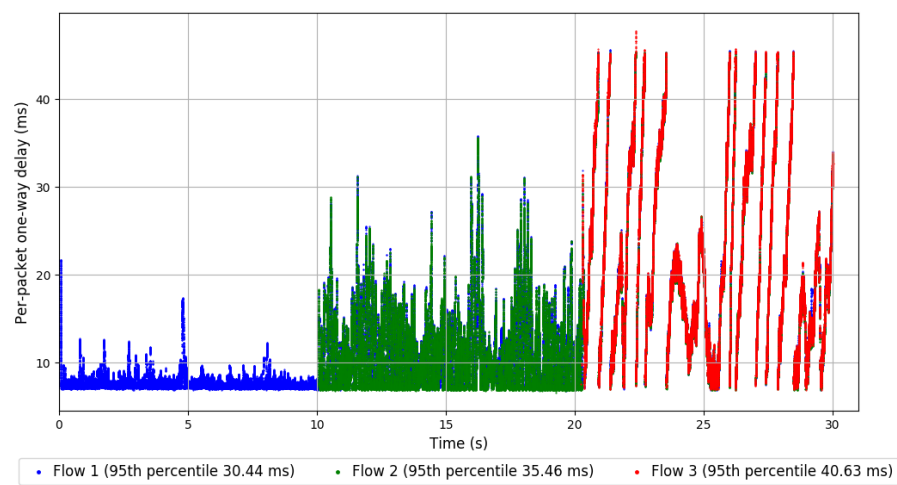
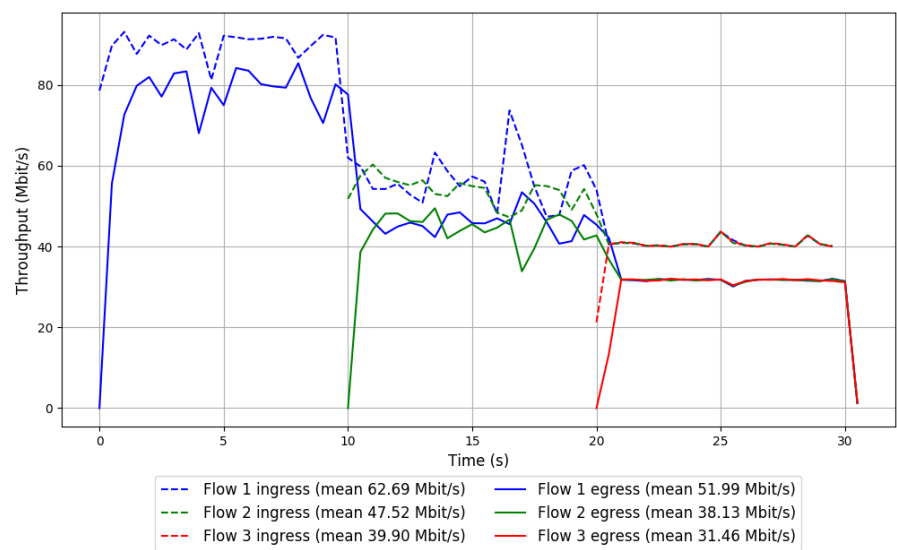


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-18 17:20:29
End at: 2018-06-18 17:20:59
Local clock offset: 1.076 ms
Remote clock offset: -4.113 ms

Below is generated by plot.py at 2018-06-18 19:36:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 34.802 ms
Loss rate: 18.47%
-- Flow 1:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 30.441 ms
Loss rate: 17.00%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 35.458 ms
Loss rate: 19.66%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 40.632 ms
Loss rate: 22.54%

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

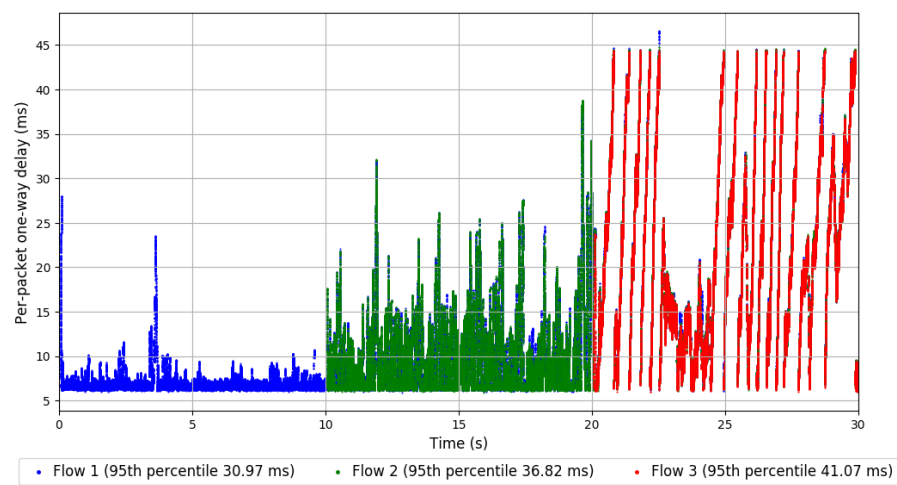
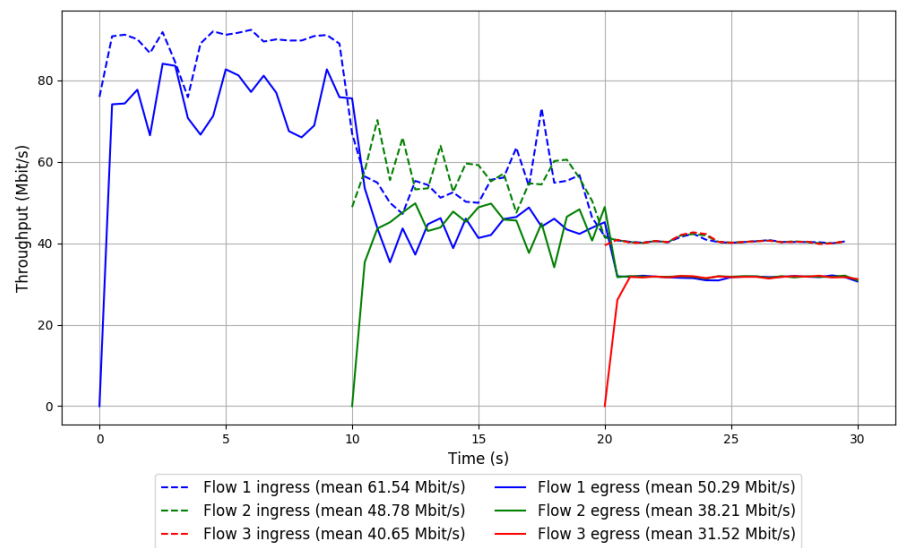


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-18 17:38:53
End at: 2018-06-18 17:39:23
Local clock offset: 2.387 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-18 19:36:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 35.602 ms
Loss rate: 19.84%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 30.972 ms
Loss rate: 18.28%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 36.817 ms
Loss rate: 21.66%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 41.066 ms
Loss rate: 22.54%

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

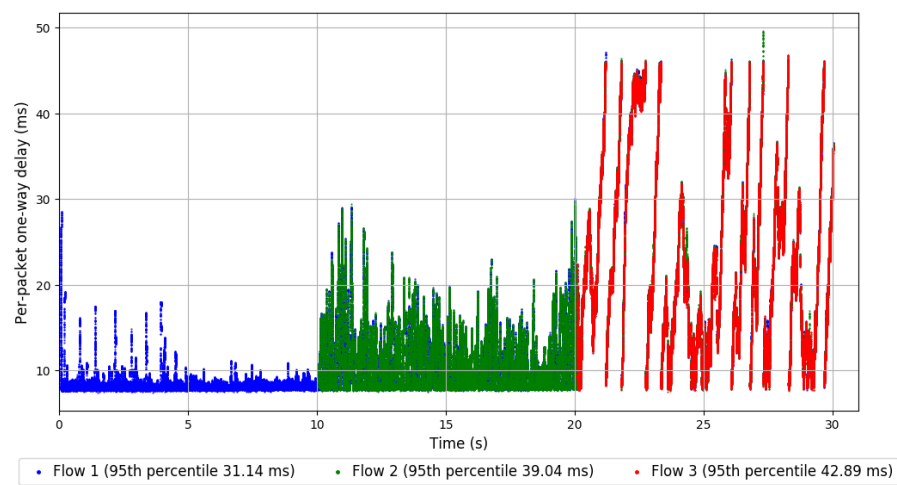
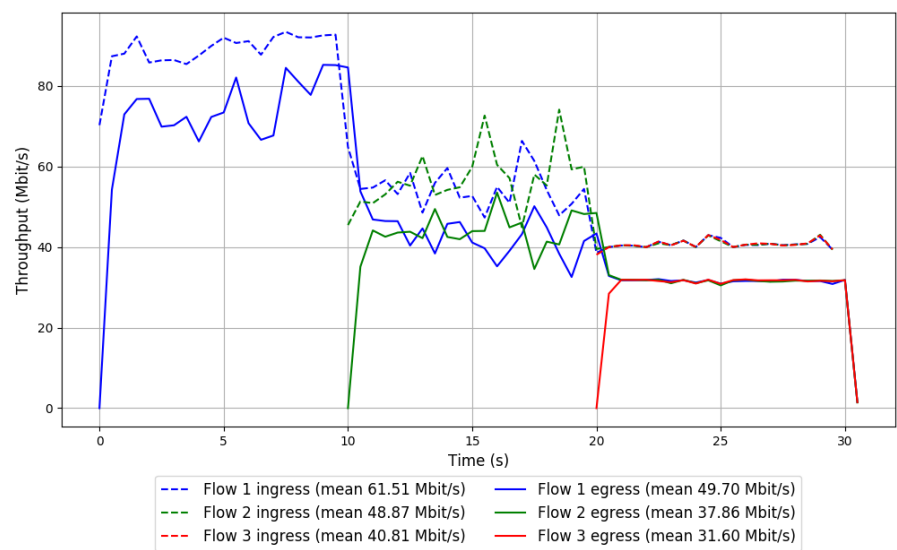


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-18 17:57:22
End at: 2018-06-18 17:57:52
Local clock offset: 0.498 ms
Remote clock offset: -3.724 ms

Below is generated by plot.py at 2018-06-18 19:36:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 37.816 ms
Loss rate: 20.55%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 19.13%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 39.044 ms
Loss rate: 22.43%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 42.888 ms
Loss rate: 22.44%

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

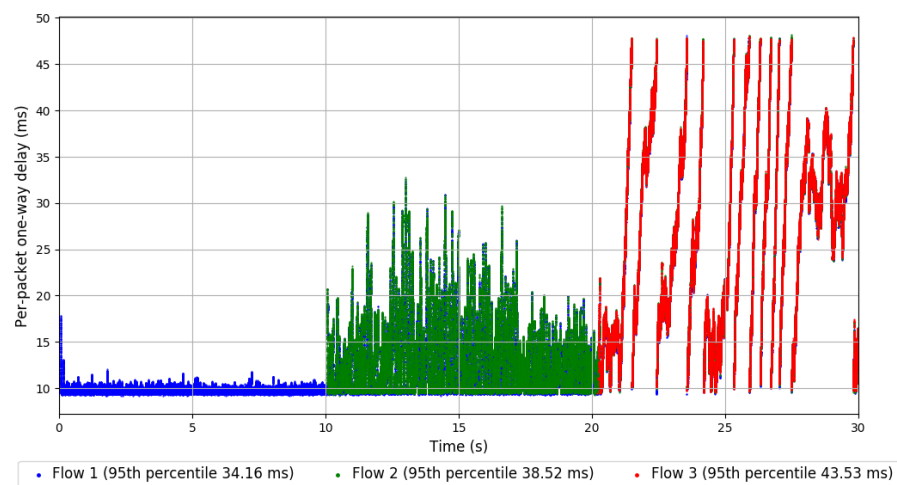
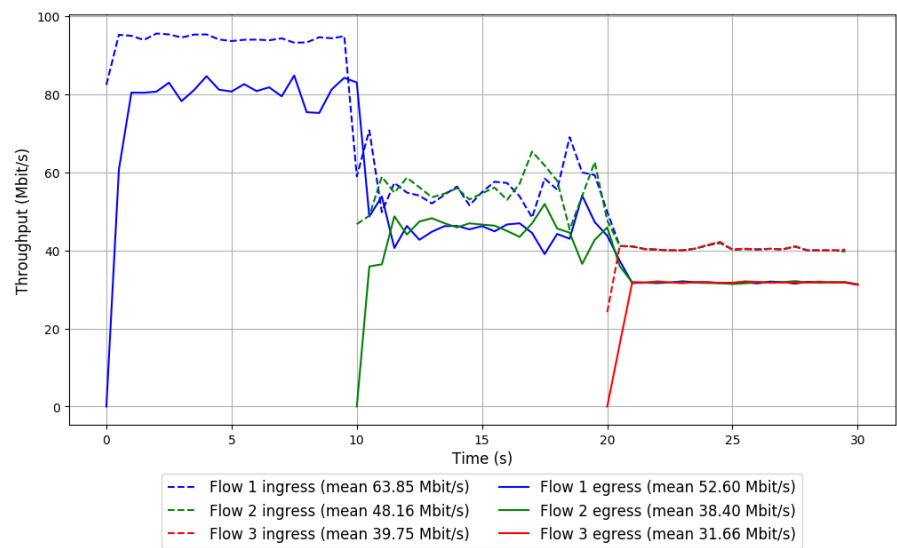


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-18 18:15:52
End at: 2018-06-18 18:16:22
Local clock offset: -0.092 ms
Remote clock offset: -6.008 ms

Below is generated by plot.py at 2018-06-18 19:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 37.864 ms
Loss rate: 18.90%
-- Flow 1:
Average throughput: 52.60 Mbit/s
95th percentile per-packet one-way delay: 34.164 ms
Loss rate: 17.61%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 38.521 ms
Loss rate: 20.25%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 43.530 ms
Loss rate: 21.90%

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

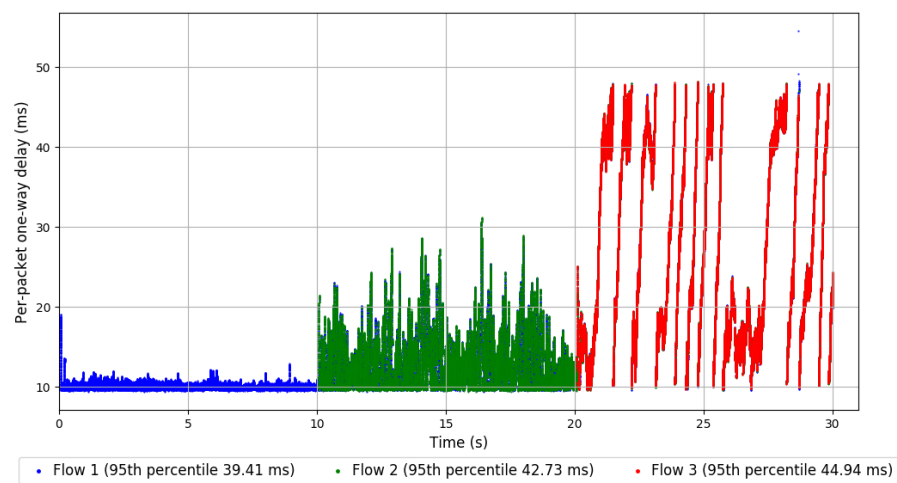
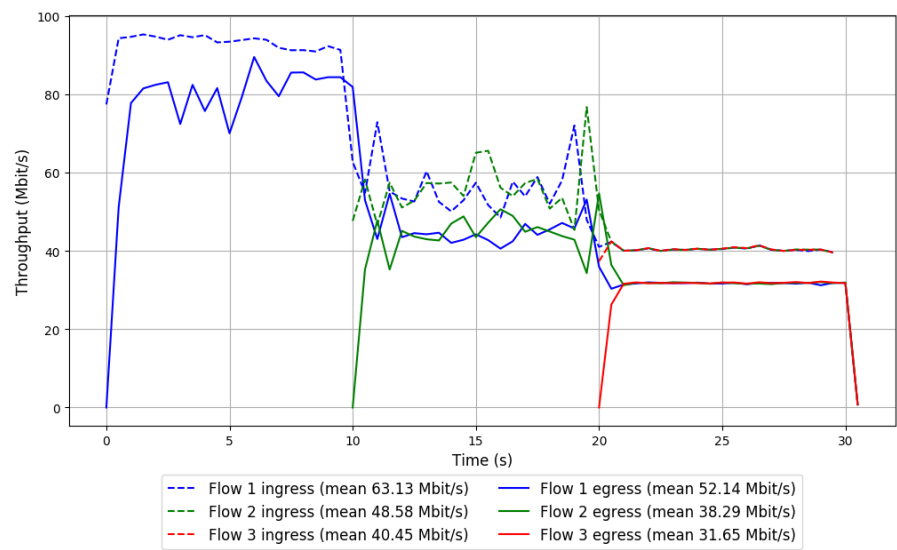


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-18 18:34:05
End at: 2018-06-18 18:34:35
Local clock offset: -0.729 ms
Remote clock offset: -5.119 ms

Below is generated by plot.py at 2018-06-18 19:36:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 42.211 ms
Loss rate: 19.02%
-- Flow 1:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 39.408 ms
Loss rate: 17.37%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 42.733 ms
Loss rate: 21.15%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 44.939 ms
Loss rate: 21.66%

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

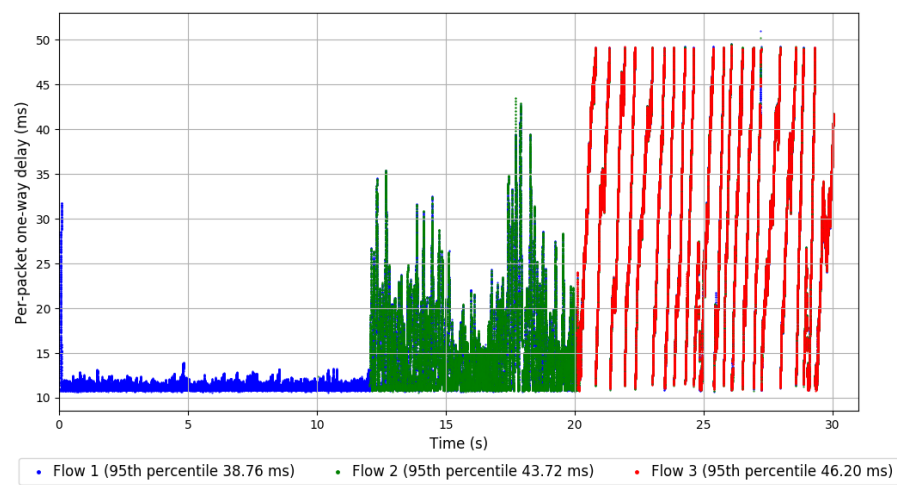
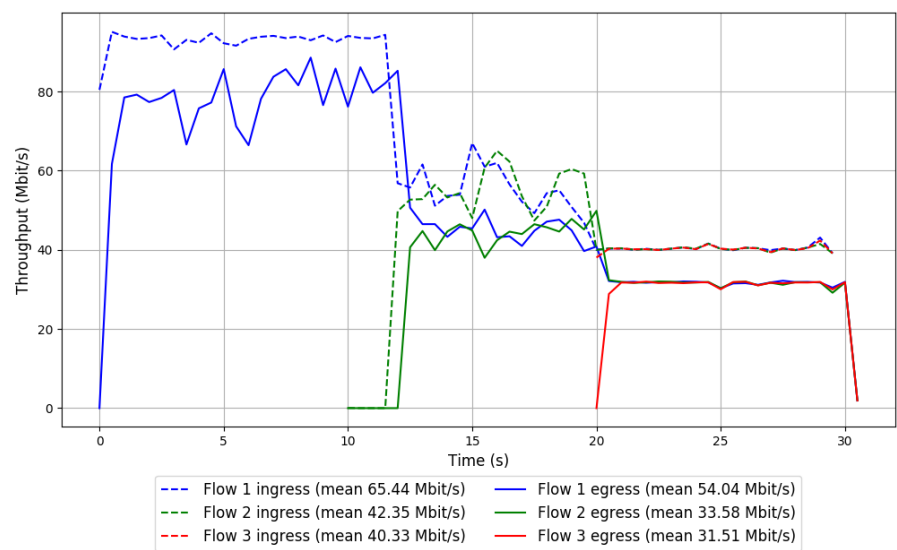


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-18 18:53:04
End at: 2018-06-18 18:53:34
Local clock offset: -0.777 ms
Remote clock offset: -3.114 ms

Below is generated by plot.py at 2018-06-18 19:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 42.591 ms
Loss rate: 18.74%
-- Flow 1:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 38.759 ms
Loss rate: 17.33%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 43.718 ms
Loss rate: 20.61%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 46.198 ms
Loss rate: 21.68%

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

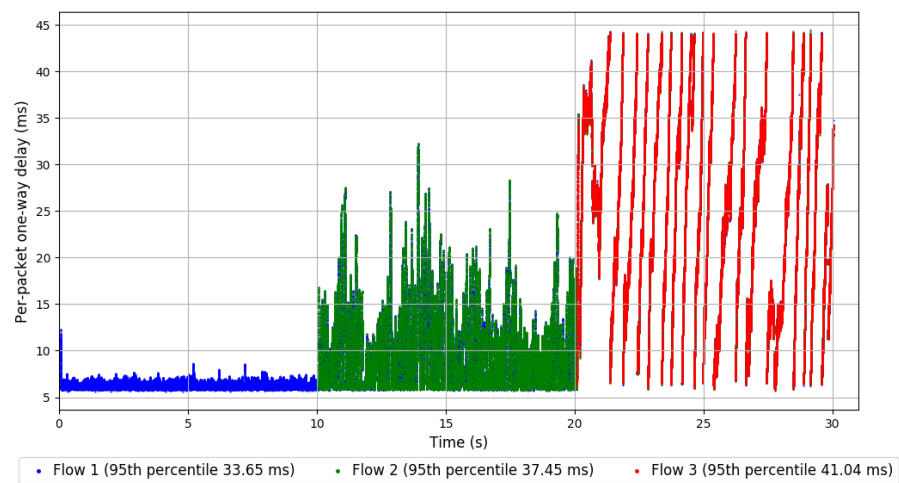
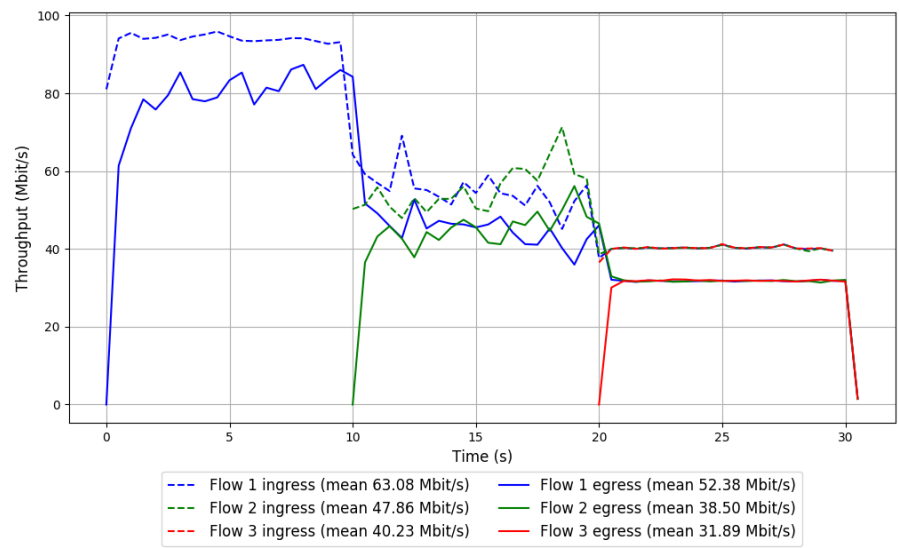


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-18 19:11:37
End at: 2018-06-18 19:12:07
Local clock offset: 4.17 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 36.827 ms
Loss rate: 18.10%
-- Flow 1:
Average throughput: 52.38 Mbit/s
95th percentile per-packet one-way delay: 33.650 ms
Loss rate: 16.89%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 37.455 ms
Loss rate: 19.46%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 41.040 ms
Loss rate: 20.60%

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

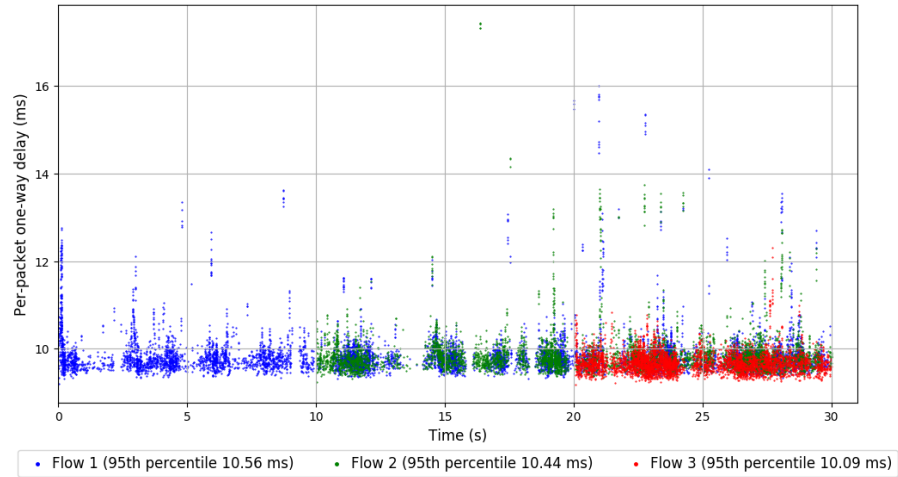
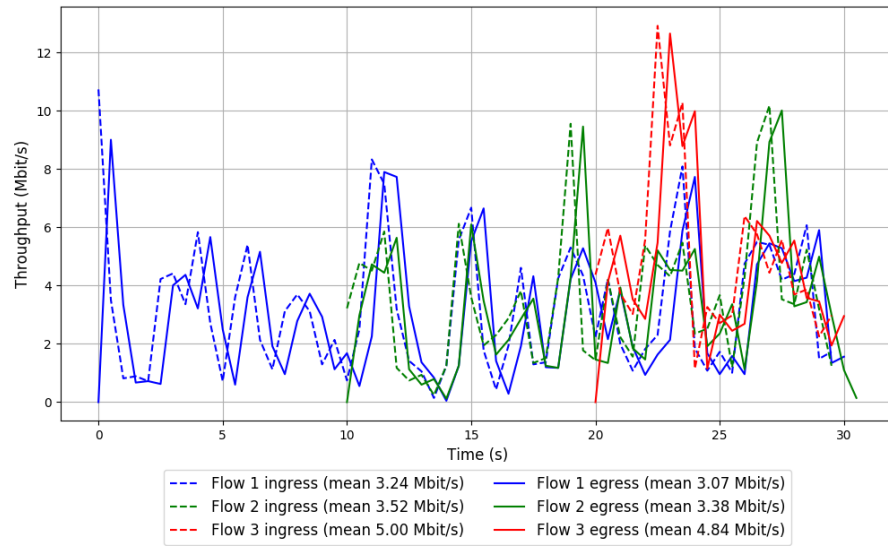


Run 1: Statistics of TCP Vegas

Start at: 2018-06-18 16:19:24
End at: 2018-06-18 16:19:54
Local clock offset: -0.578 ms
Remote clock offset: -5.823 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 10.398 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 10.562 ms
Loss rate: 5.17%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 10.440 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 10.090 ms
Loss rate: 3.13%

Run 1: Report of TCP Vegas — Data Link

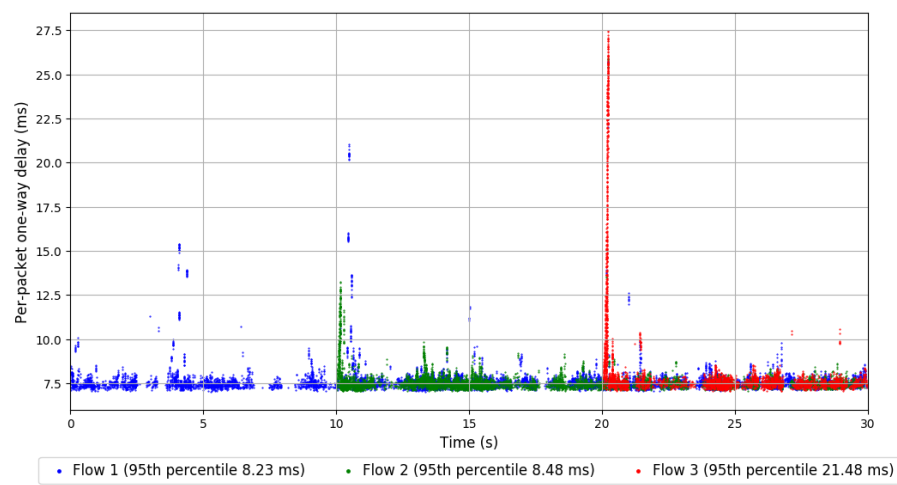
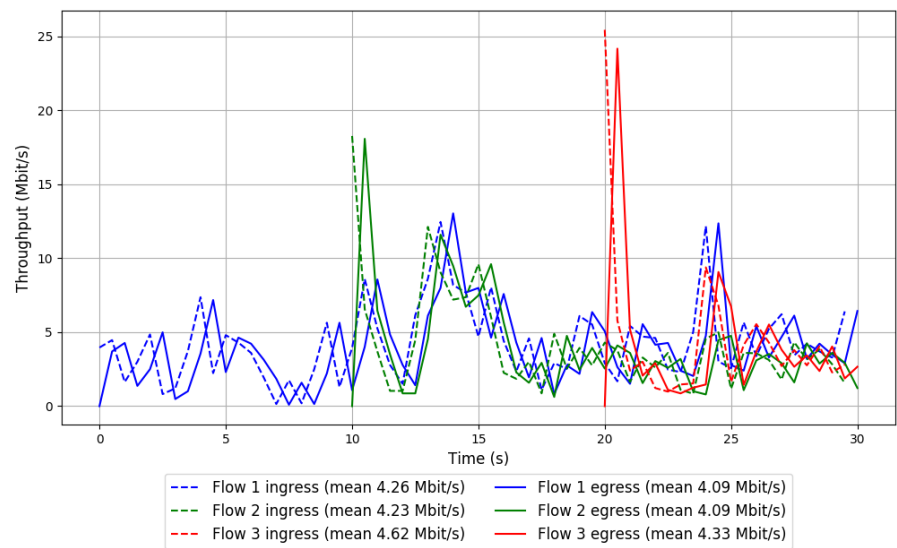


Run 2: Statistics of TCP Vegas

Start at: 2018-06-18 16:37:52
End at: 2018-06-18 16:38:22
Local clock offset: 1.446 ms
Remote clock offset: -7.231 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 9.230 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 8.234 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 8.479 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 21.479 ms
Loss rate: 6.18%

Run 2: Report of TCP Vegas — Data Link

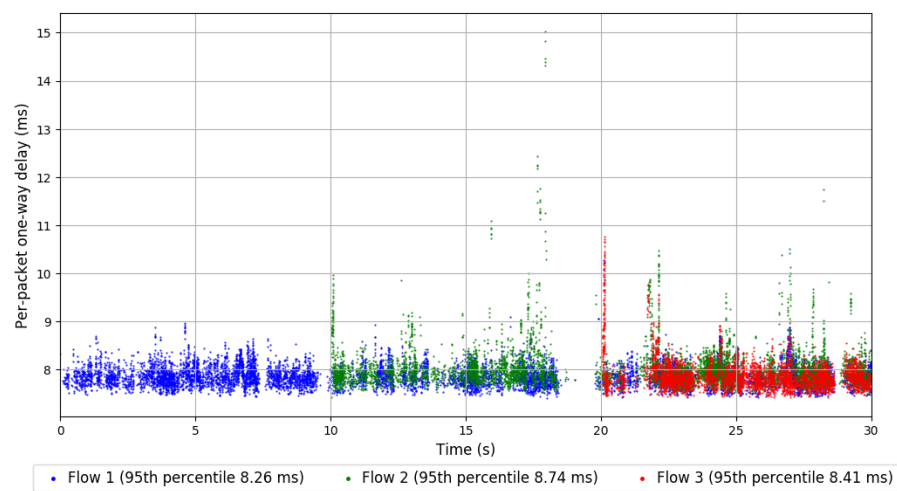
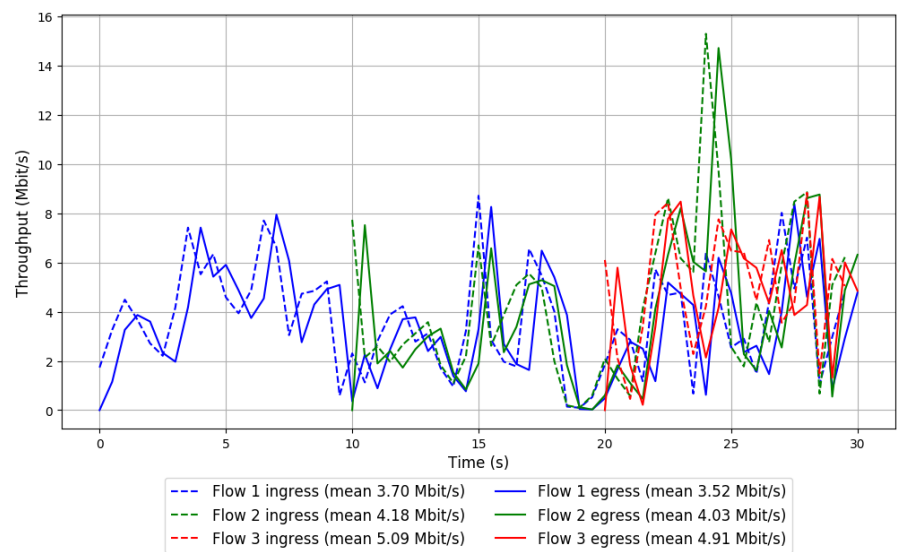


Run 3: Statistics of TCP Vegas

Start at: 2018-06-18 16:56:21
End at: 2018-06-18 16:56:51
Local clock offset: 1.131 ms
Remote clock offset: -6.191 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 8.403 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 8.260 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 8.741 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 8.413 ms
Loss rate: 3.77%

Run 3: Report of TCP Vegas — Data Link

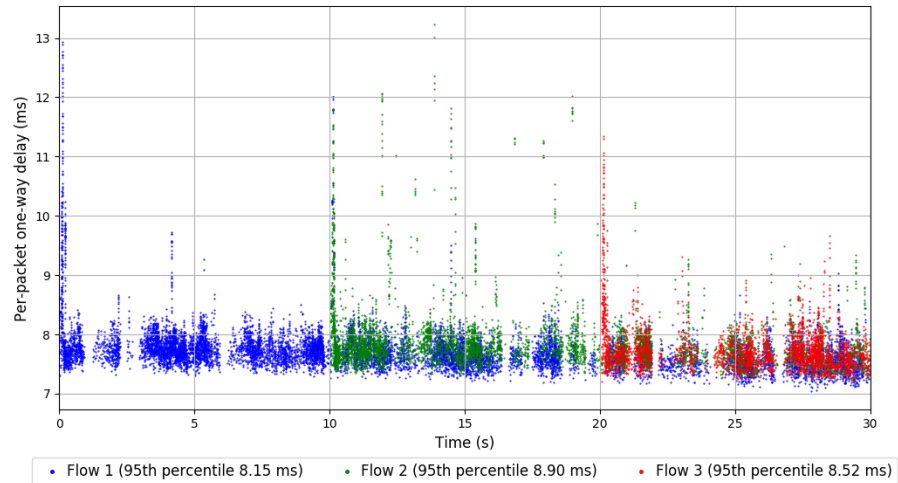
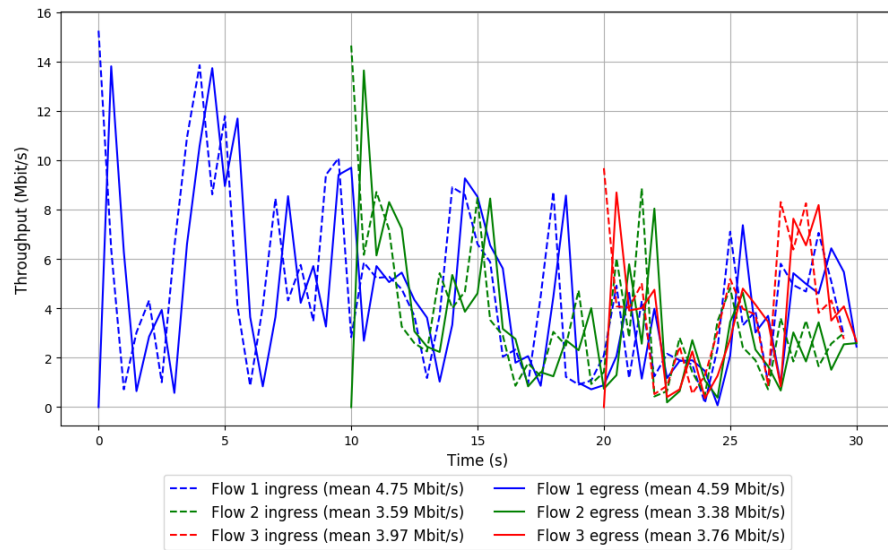


Run 4: Statistics of TCP Vegas

Start at: 2018-06-18 17:14:45
End at: 2018-06-18 17:15:15
Local clock offset: 0.405 ms
Remote clock offset: -6.801 ms

```
# Below is generated by plot.py at 2018-06-18 19:38:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 8.350 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 8.150 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 8.902 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 8.524 ms
Loss rate: 5.25%
```


Run 4: Report of TCP Vegas — Data Link

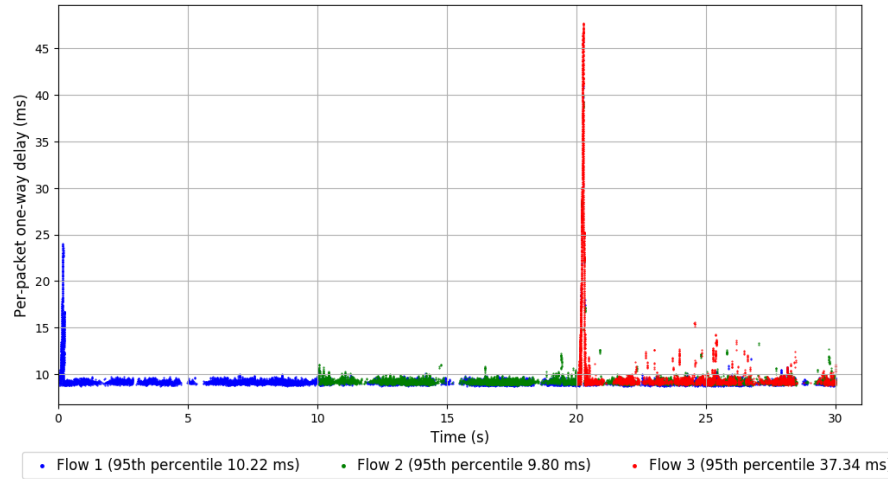
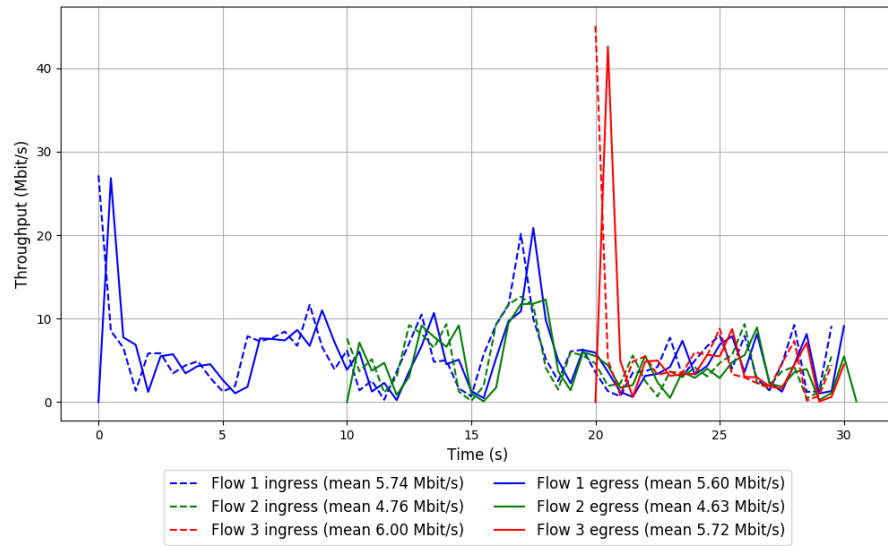


Run 5: Statistics of TCP Vegas

Start at: 2018-06-18 17:33:16
End at: 2018-06-18 17:33:46
Local clock offset: -0.313 ms
Remote clock offset: -0.979 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 15.222 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 10.221 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 9.797 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 37.345 ms
Loss rate: 4.75%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-18 17:51:32

End at: 2018-06-18 17:52:02

Local clock offset: -2.357 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-06-18 19:38:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.58 Mbit/s

95th percentile per-packet one-way delay: 12.470 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 12.520 ms

Loss rate: 2.64%

-- Flow 2:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 12.266 ms

Loss rate: 3.51%

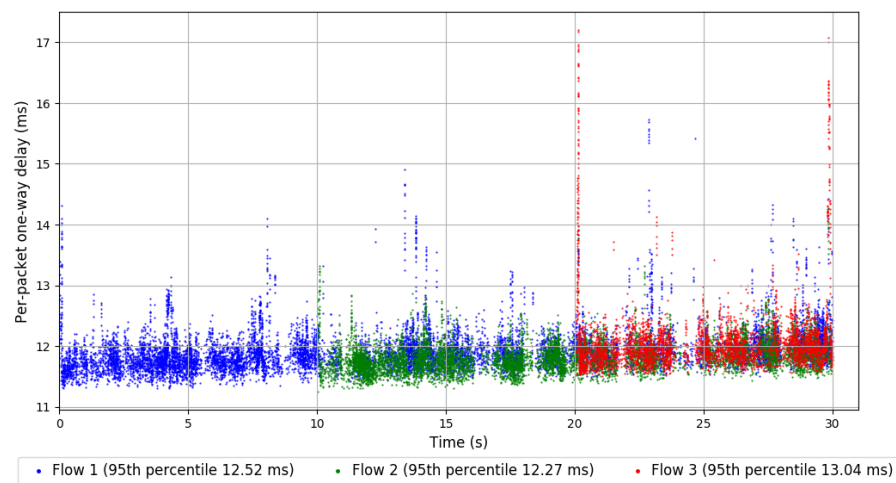
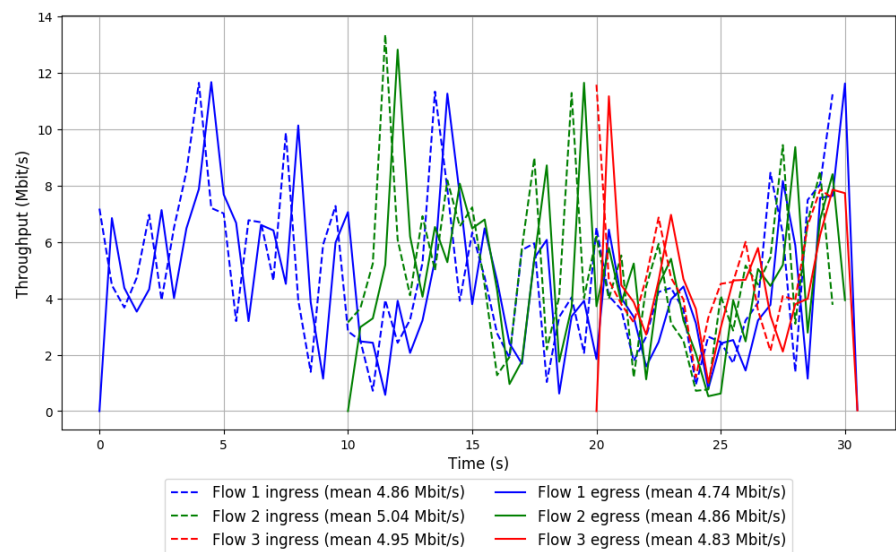
-- Flow 3:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 13.044 ms

Loss rate: 2.53%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-18 18:10:12

End at: 2018-06-18 18:10:42

Local clock offset: 0.141 ms

Remote clock offset: -4.81 ms

Below is generated by plot.py at 2018-06-18 19:38:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.58 Mbit/s

95th percentile per-packet one-way delay: 11.363 ms

Loss rate: 5.34%

-- Flow 1:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 11.004 ms

Loss rate: 6.20%

-- Flow 2:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 11.160 ms

Loss rate: 4.53%

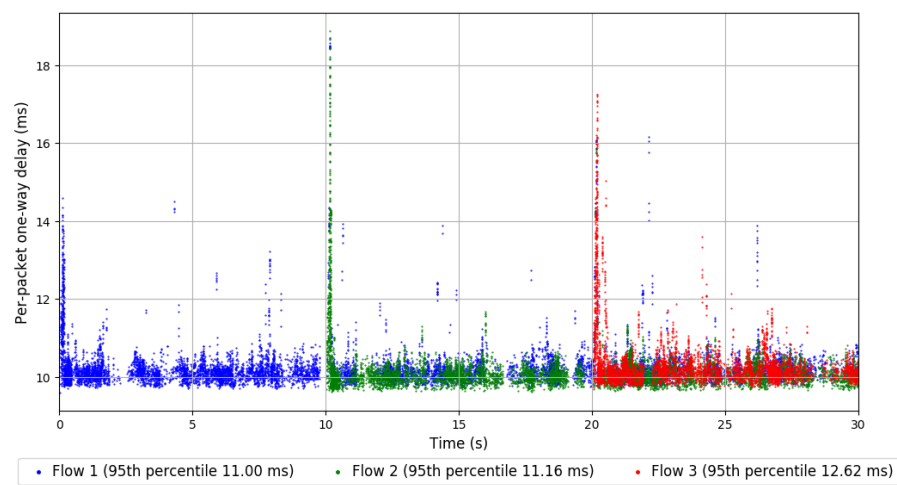
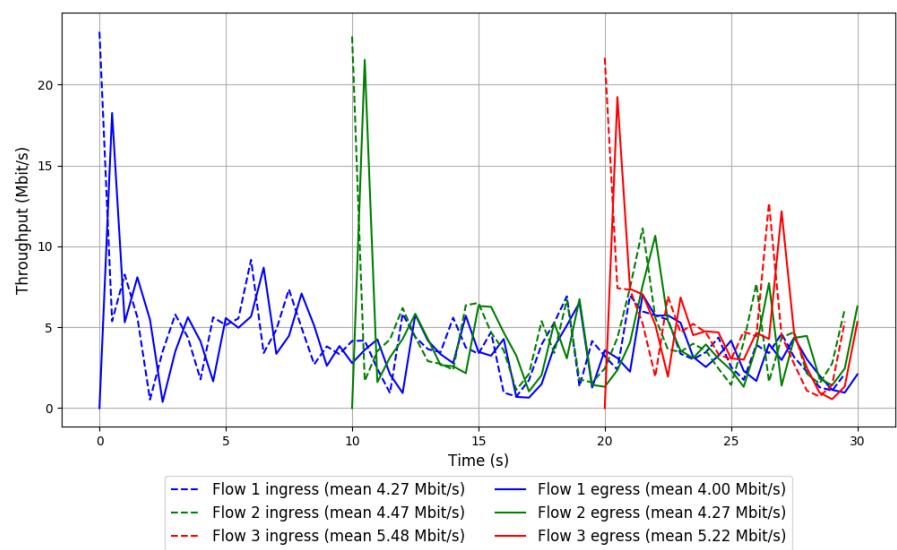
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 12.619 ms

Loss rate: 4.67%

Run 7: Report of TCP Vegas — Data Link

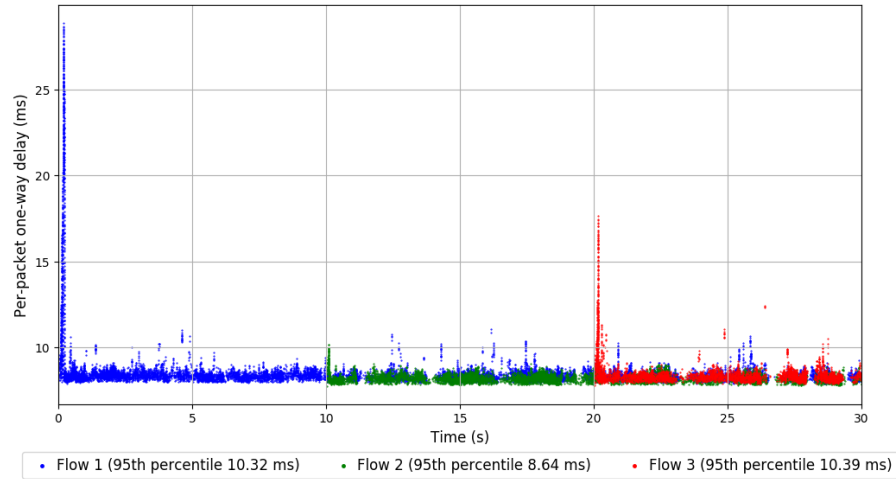
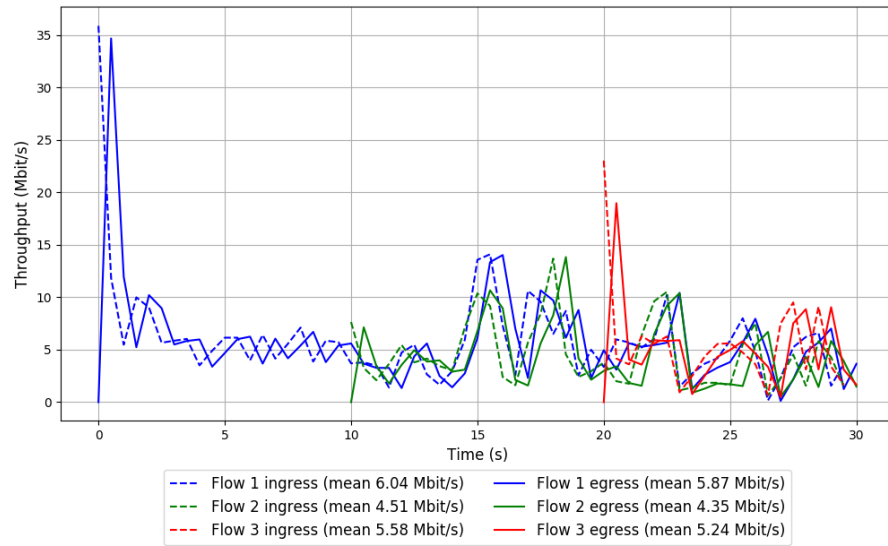


Run 8: Statistics of TCP Vegas

Start at: 2018-06-18 18:28:23
End at: 2018-06-18 18:28:53
Local clock offset: 0.943 ms
Remote clock offset: -5.724 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 9.429 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 10.324 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 8.637 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 10.392 ms
Loss rate: 6.07%

Run 8: Report of TCP Vegas — Data Link

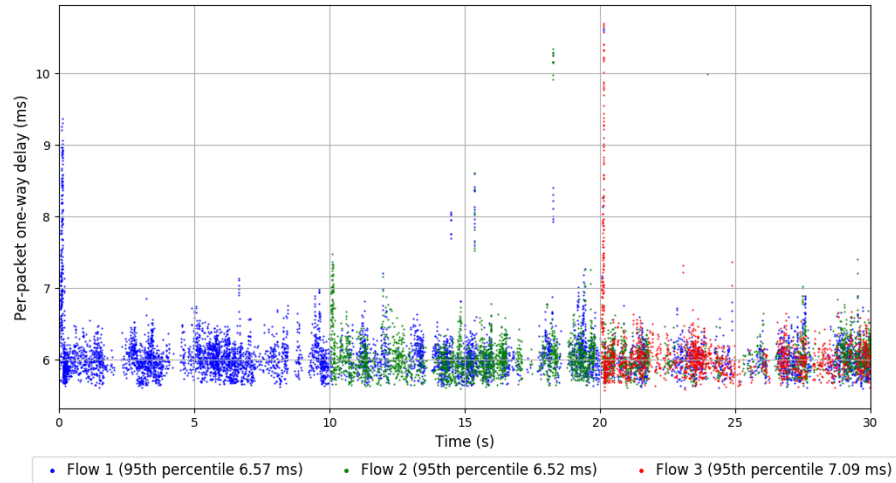
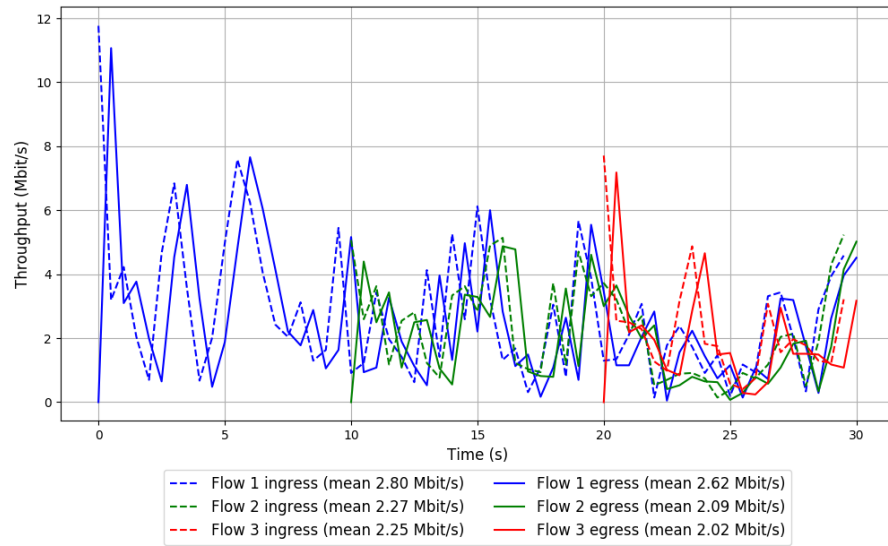


Run 9: Statistics of TCP Vegas

Start at: 2018-06-18 18:47:21
End at: 2018-06-18 18:47:51
Local clock offset: 3.643 ms
Remote clock offset: -3.906 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 6.581 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 6.33%
-- Flow 2:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 6.522 ms
Loss rate: 8.11%
-- Flow 3:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 7.088 ms
Loss rate: 10.30%

Run 9: Report of TCP Vegas — Data Link

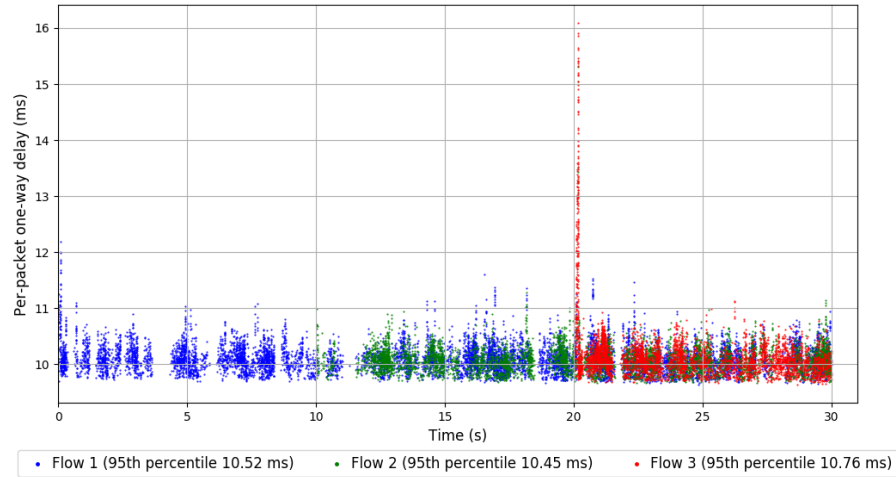
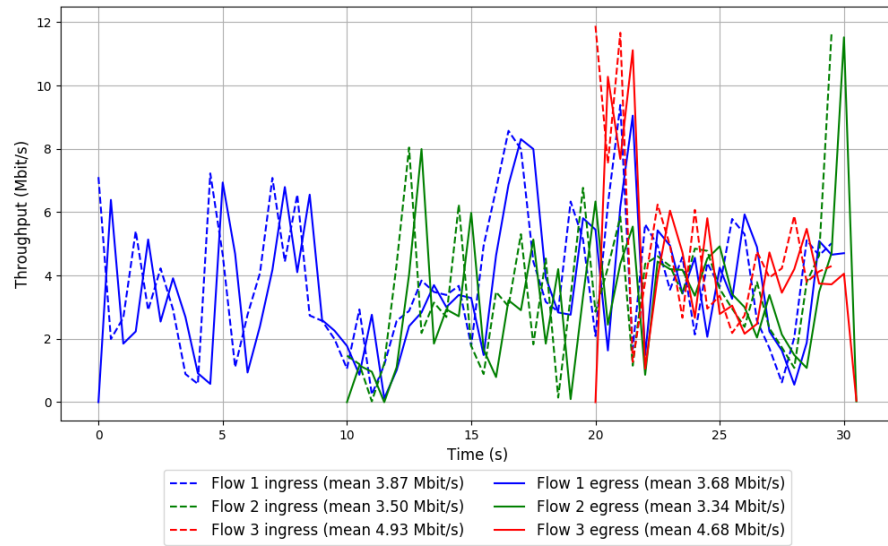


Run 10: Statistics of TCP Vegas

Start at: 2018-06-18 19:05:48
End at: 2018-06-18 19:06:18
Local clock offset: -0.137 ms
Remote clock offset: -2.408 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 10.523 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 10.518 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 10.447 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 10.759 ms
Loss rate: 5.20%

Run 10: Report of TCP Vegas — Data Link

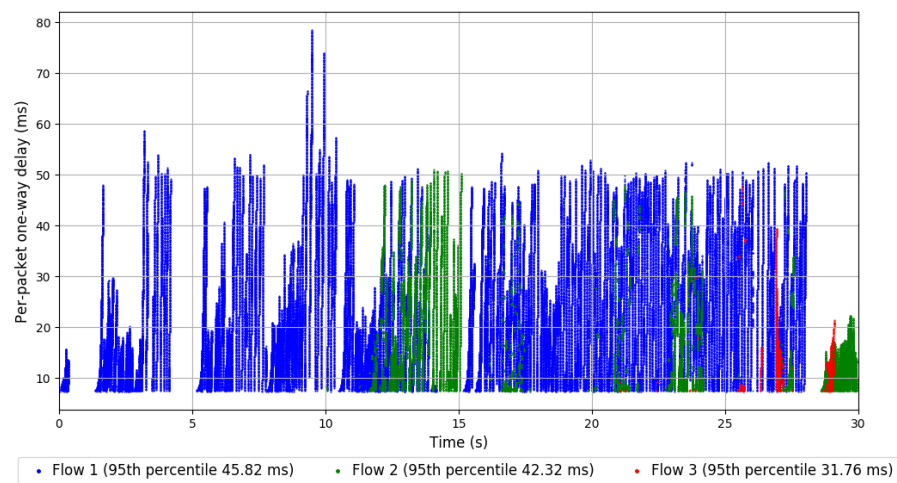
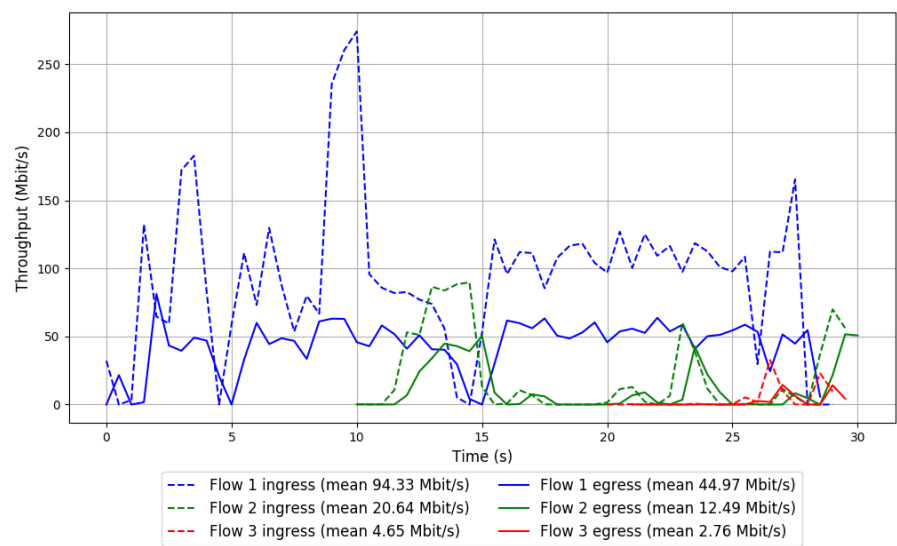


Run 1: Statistics of Verus

Start at: 2018-06-18 16:29:44
End at: 2018-06-18 16:30:14
Local clock offset: 0.157 ms
Remote clock offset: -7.348 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 45.289 ms
Loss rate: 52.01%
-- Flow 1:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 45.821 ms
Loss rate: 53.97%
-- Flow 2:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 42.323 ms
Loss rate: 39.47%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 31.758 ms
Loss rate: 47.19%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-18 16:48:17

End at: 2018-06-18 16:48:47

Local clock offset: 0.748 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-06-18 19:38:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 66.274 ms

Loss rate: 70.14%

-- Flow 1:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 49.922 ms

Loss rate: 58.75%

-- Flow 2:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 83.976 ms

Loss rate: 79.87%

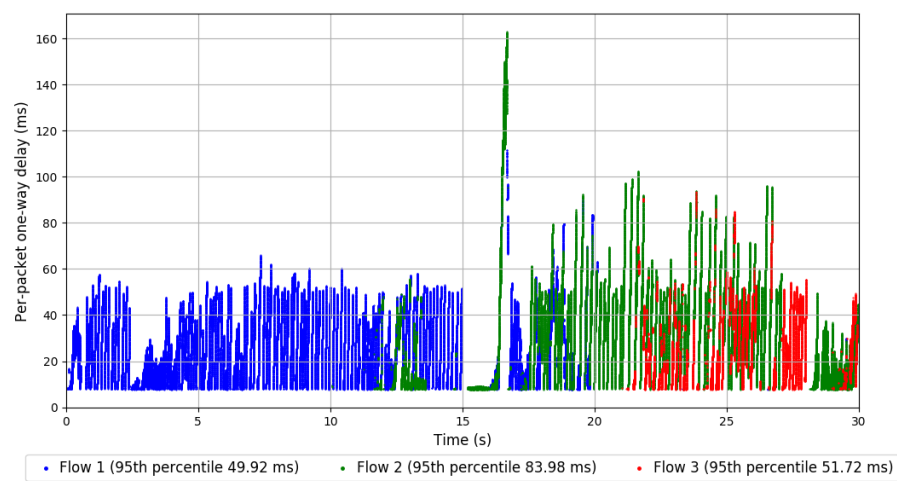
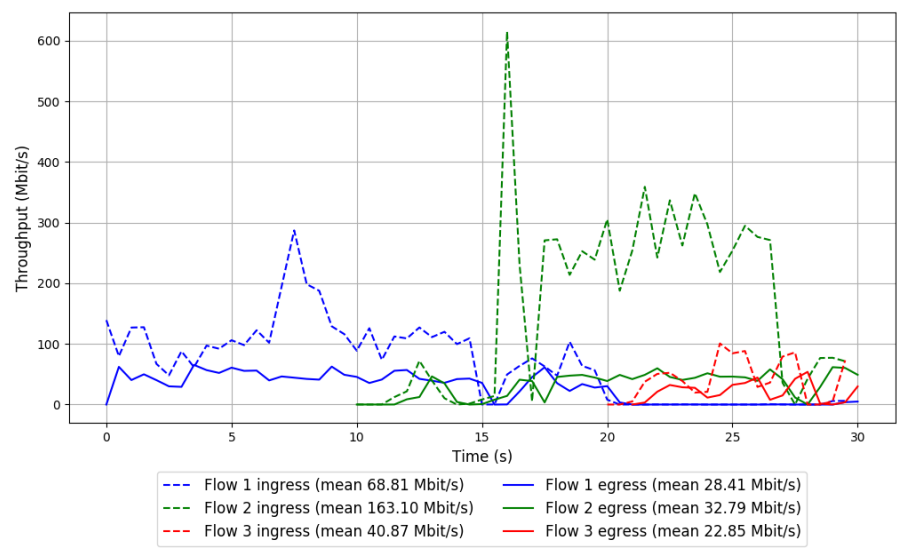
-- Flow 3:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 51.724 ms

Loss rate: 49.59%

Run 2: Report of Verus — Data Link

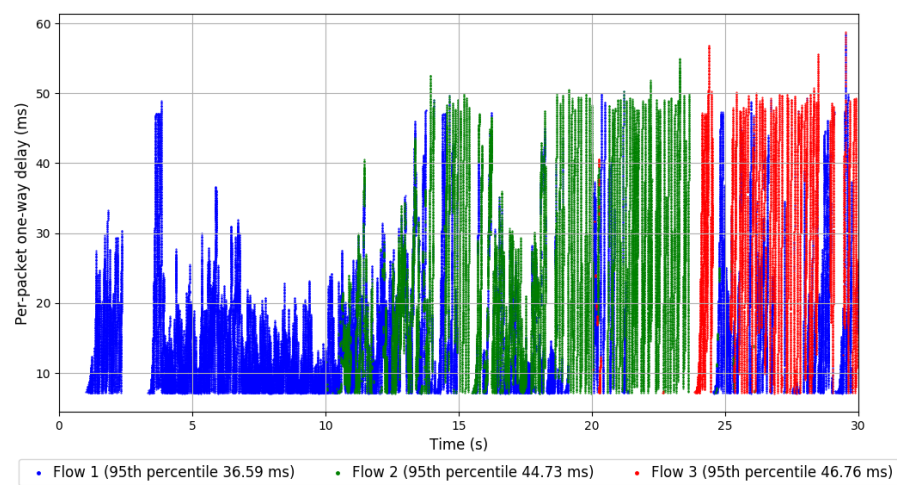
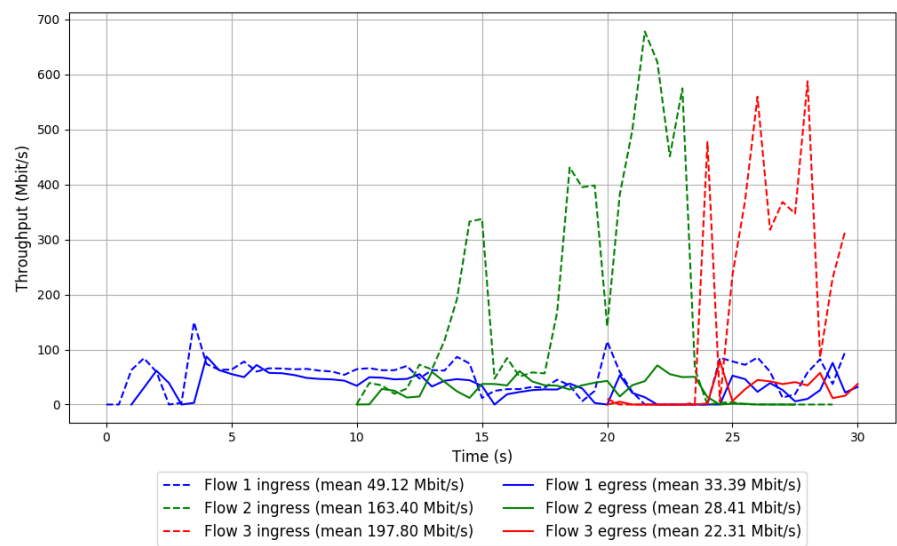


Run 3: Statistics of Verus

Start at: 2018-06-18 17:06:46
End at: 2018-06-18 17:07:16
Local clock offset: 2.363 ms
Remote clock offset: -5.289 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 42.873 ms
Loss rate: 74.59%
-- Flow 1:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 36.588 ms
Loss rate: 34.27%
-- Flow 2:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: 44.735 ms
Loss rate: 84.56%
-- Flow 3:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 46.763 ms
Loss rate: 88.70%

Run 3: Report of Verus — Data Link

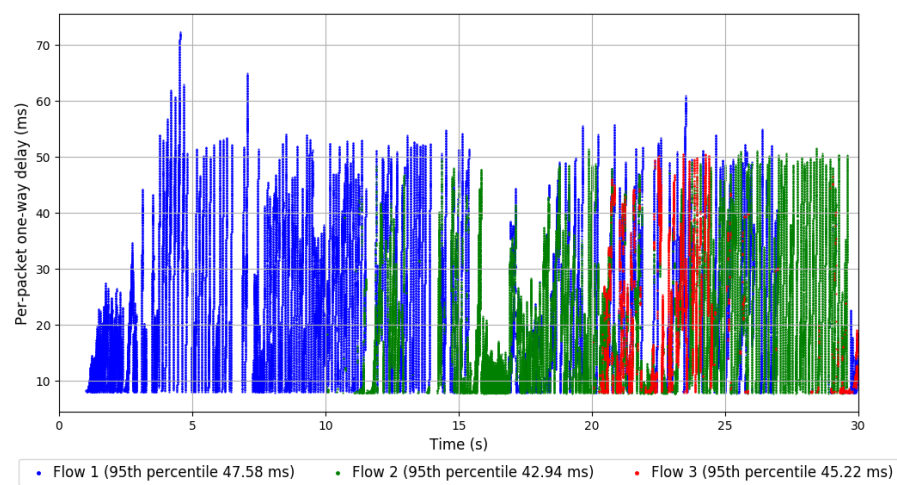
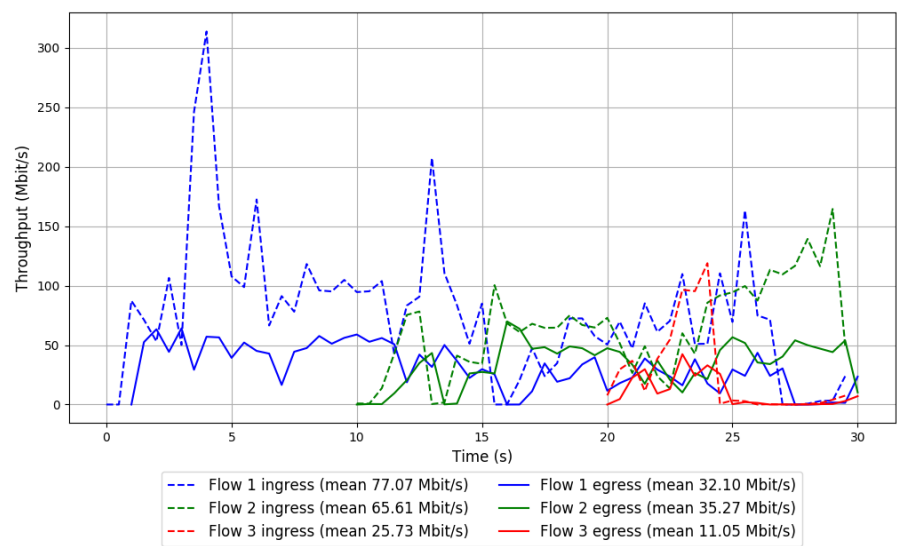


Run 4: Statistics of Verus

Start at: 2018-06-18 17:25:06
End at: 2018-06-18 17:25:36
Local clock offset: -0.11 ms
Remote clock offset: -3.186 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 45.824 ms
Loss rate: 55.04%
-- Flow 1:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 47.575 ms
Loss rate: 59.73%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 42.935 ms
Loss rate: 46.22%
-- Flow 3:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 45.224 ms
Loss rate: 57.05%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-18 17:43:27

End at: 2018-06-18 17:43:57

Local clock offset: -2.454 ms

Remote clock offset: 0.716 ms

Below is generated by plot.py at 2018-06-18 19:38:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.99 Mbit/s

95th percentile per-packet one-way delay: 45.268 ms

Loss rate: 39.13%

-- Flow 1:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 44.655 ms

Loss rate: 29.37%

-- Flow 2:

Average throughput: 13.76 Mbit/s

95th percentile per-packet one-way delay: 42.812 ms

Loss rate: 43.44%

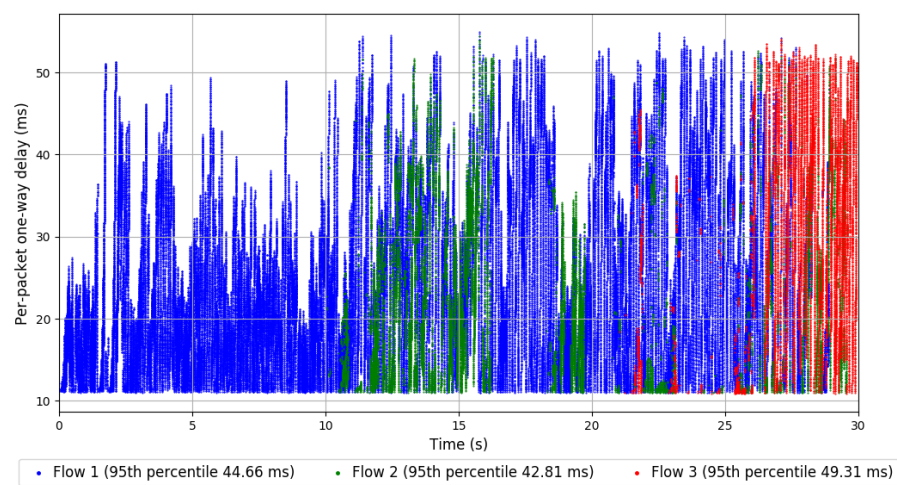
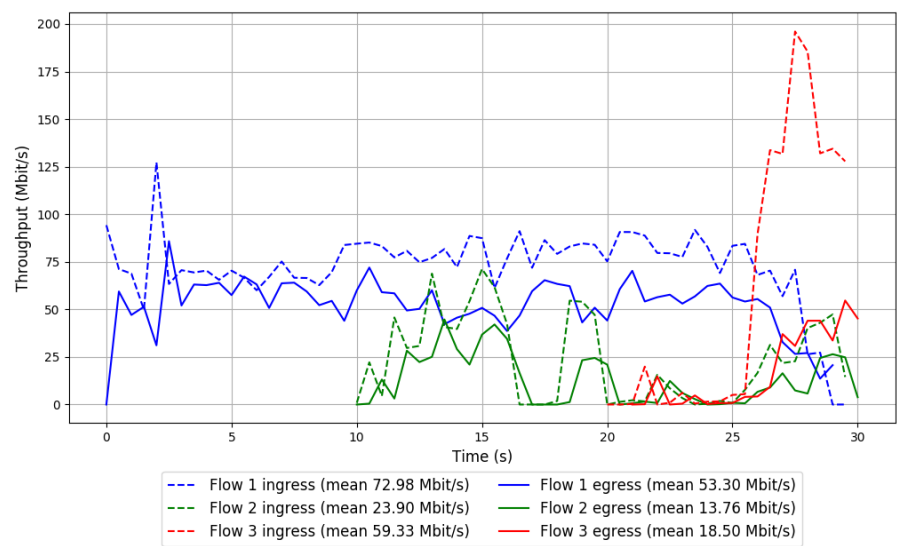
-- Flow 3:

Average throughput: 18.50 Mbit/s

95th percentile per-packet one-way delay: 49.311 ms

Loss rate: 71.93%

Run 5: Report of Verus — Data Link

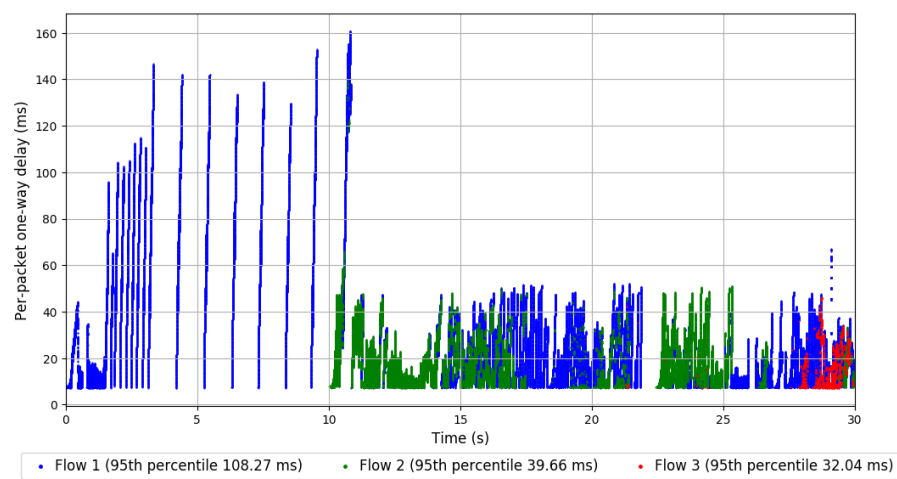
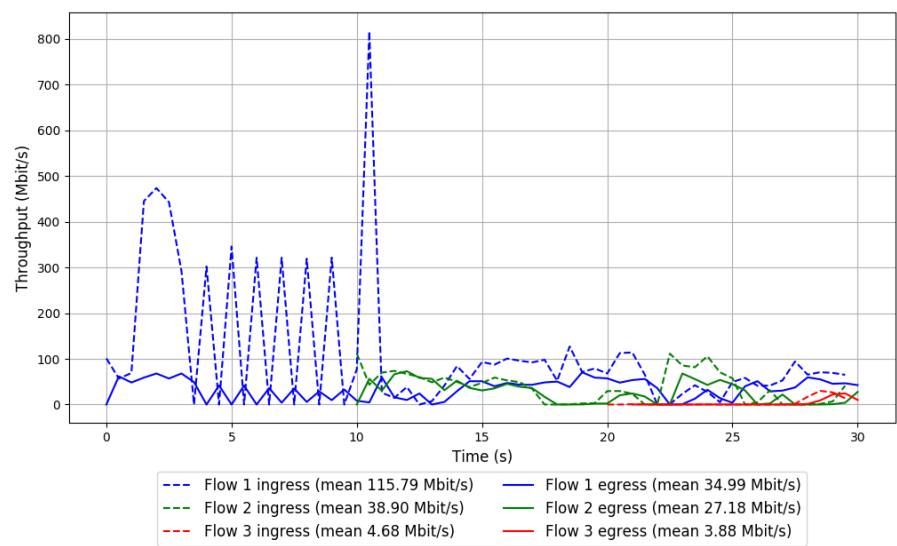


Run 6: Statistics of Verus

Start at: 2018-06-18 18:02:03
End at: 2018-06-18 18:02:33
Local clock offset: 1.024 ms
Remote clock offset: -4.801 ms

Below is generated by plot.py at 2018-06-18 19:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 94.272 ms
Loss rate: 62.14%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 108.273 ms
Loss rate: 69.78%
-- Flow 2:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 39.663 ms
Loss rate: 30.11%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 25.56%

Run 6: Report of Verus — Data Link

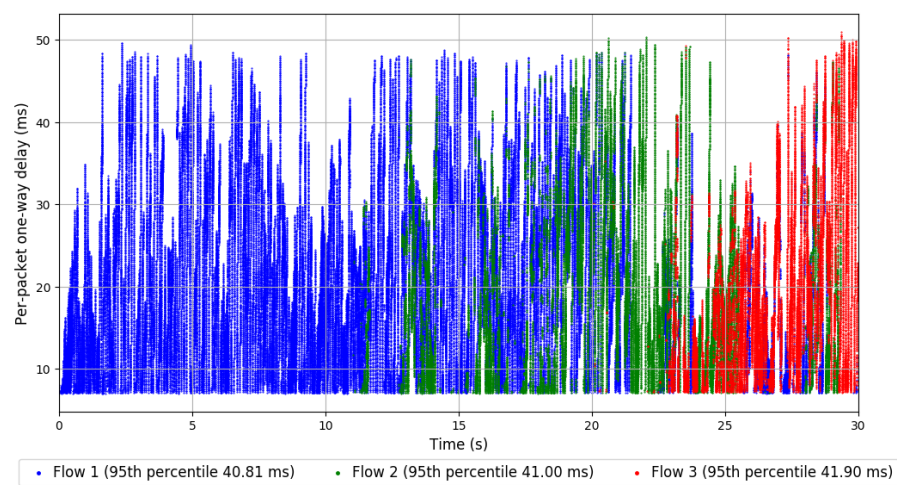
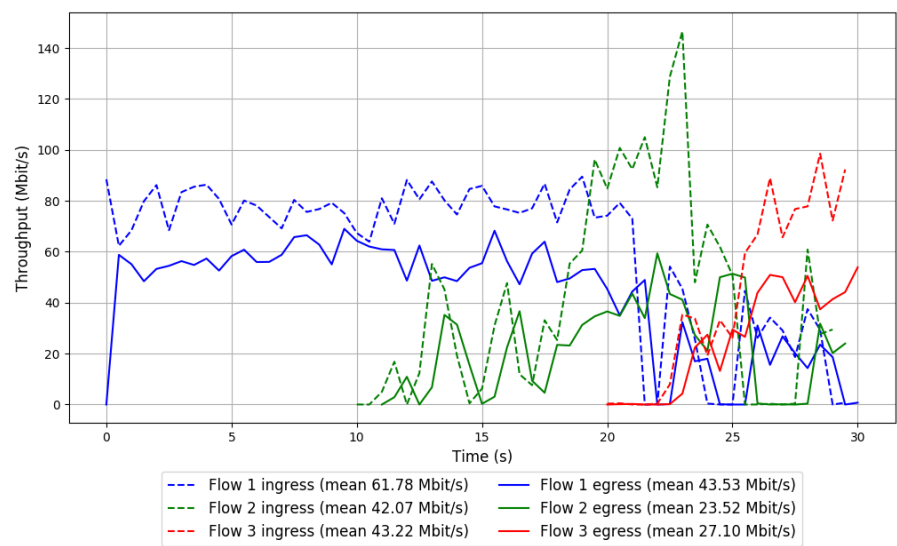


Run 7: Statistics of Verus

Start at: 2018-06-18 18:20:22
End at: 2018-06-18 18:20:52
Local clock offset: 2.453 ms
Remote clock offset: -6.001 ms

Below is generated by plot.py at 2018-06-18 19:38:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 40.971 ms
Loss rate: 35.19%
-- Flow 1:
Average throughput: 43.53 Mbit/s
95th percentile per-packet one-way delay: 40.813 ms
Loss rate: 29.54%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 40.996 ms
Loss rate: 46.95%
-- Flow 3:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 41.903 ms
Loss rate: 37.32%

Run 7: Report of Verus — Data Link

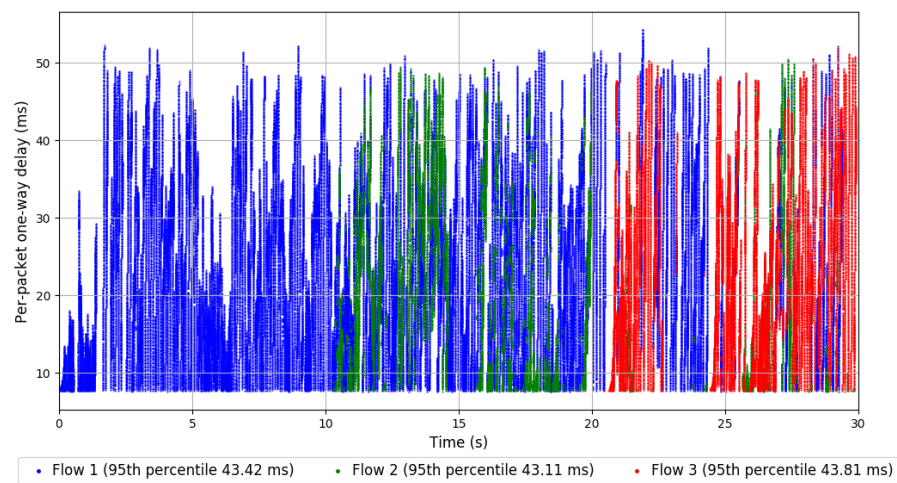
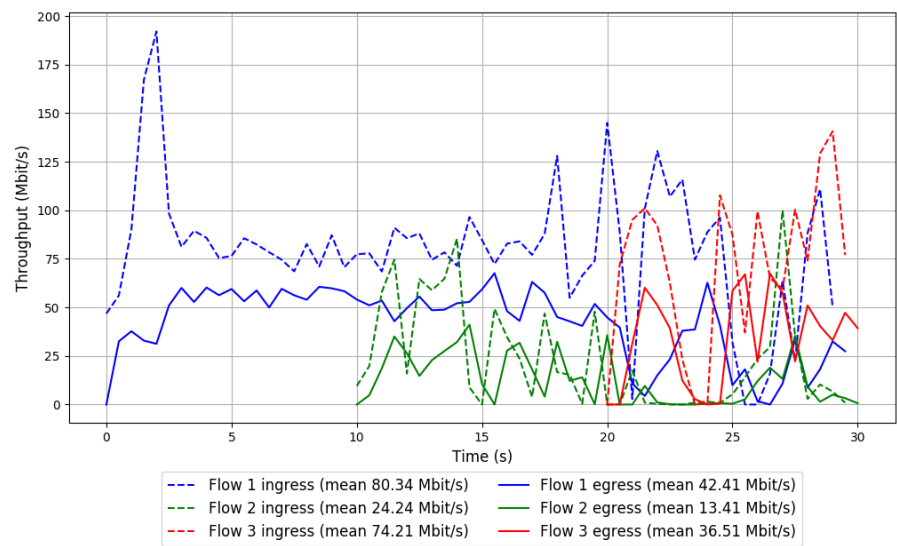


Run 8: Statistics of Verus

Start at: 2018-06-18 18:38:48
End at: 2018-06-18 18:39:18
Local clock offset: 1.846 ms
Remote clock offset: -4.046 ms

Below is generated by plot.py at 2018-06-18 19:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 43.454 ms
Loss rate: 47.54%
-- Flow 1:
Average throughput: 42.41 Mbit/s
95th percentile per-packet one-way delay: 43.417 ms
Loss rate: 47.16%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 44.78%
-- Flow 3:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 43.811 ms
Loss rate: 50.64%

Run 8: Report of Verus — Data Link

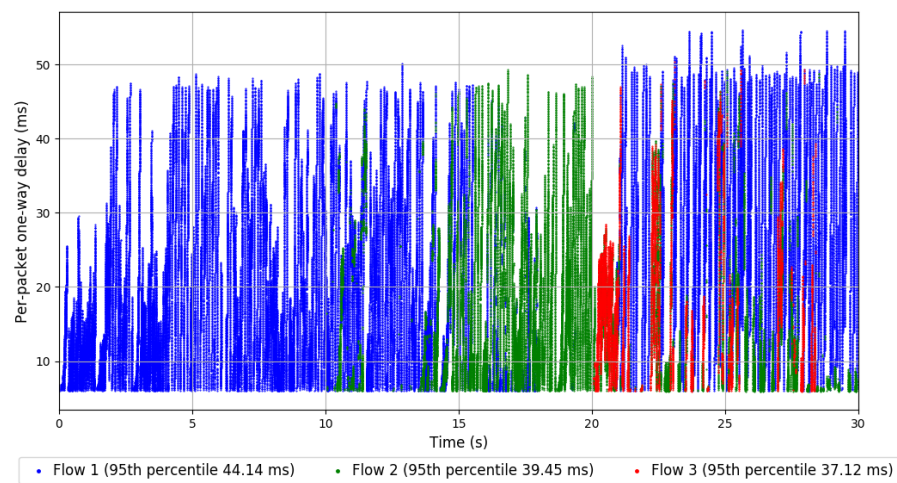
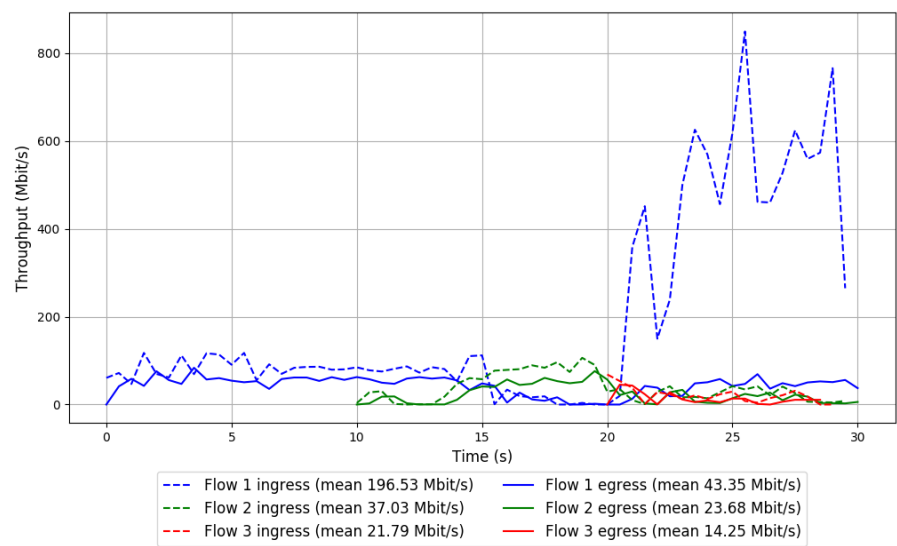


Run 9: Statistics of Verus

Start at: 2018-06-18 18:57:38
End at: 2018-06-18 18:58:08
Local clock offset: 3.84 ms
Remote clock offset: -3.044 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 43.093 ms
Loss rate: 72.31%
-- Flow 1:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 44.137 ms
Loss rate: 77.92%
-- Flow 2:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 39.446 ms
Loss rate: 36.12%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 37.122 ms
Loss rate: 41.55%

Run 9: Report of Verus — Data Link

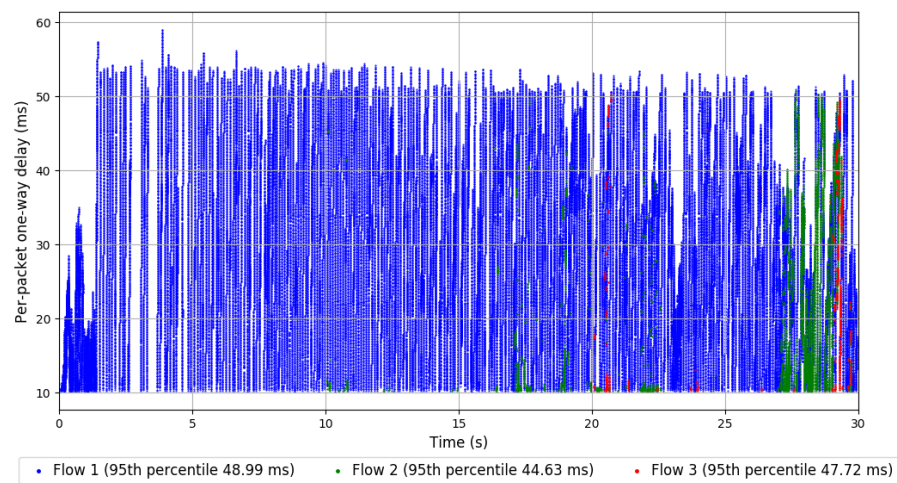
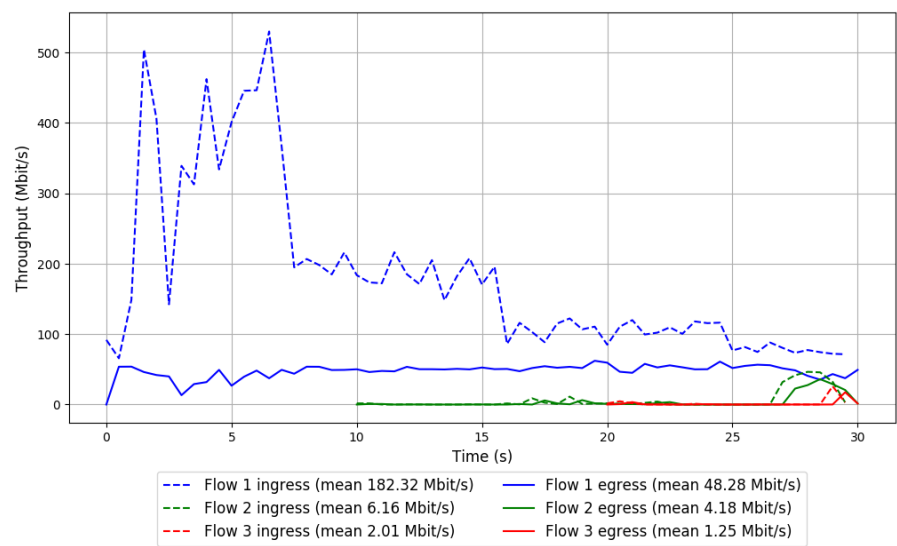


Run 10: Statistics of Verus

Start at: 2018-06-18 19:16:08
End at: 2018-06-18 19:16:38
Local clock offset: -0.4 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 48.807 ms
Loss rate: 72.49%
-- Flow 1:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 48.994 ms
Loss rate: 73.51%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 44.626 ms
Loss rate: 32.22%
-- Flow 3:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 47.717 ms
Loss rate: 38.09%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-18 16:22:49

End at: 2018-06-18 16:23:19

Local clock offset: -1.053 ms

Remote clock offset: -7.27 ms

Below is generated by plot.py at 2018-06-18 19:39:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.92 Mbit/s

95th percentile per-packet one-way delay: 8.908 ms

Loss rate: 8.62%

-- Flow 1:

Average throughput: 10.45 Mbit/s

95th percentile per-packet one-way delay: 8.782 ms

Loss rate: 8.00%

-- Flow 2:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 9.057 ms

Loss rate: 9.41%

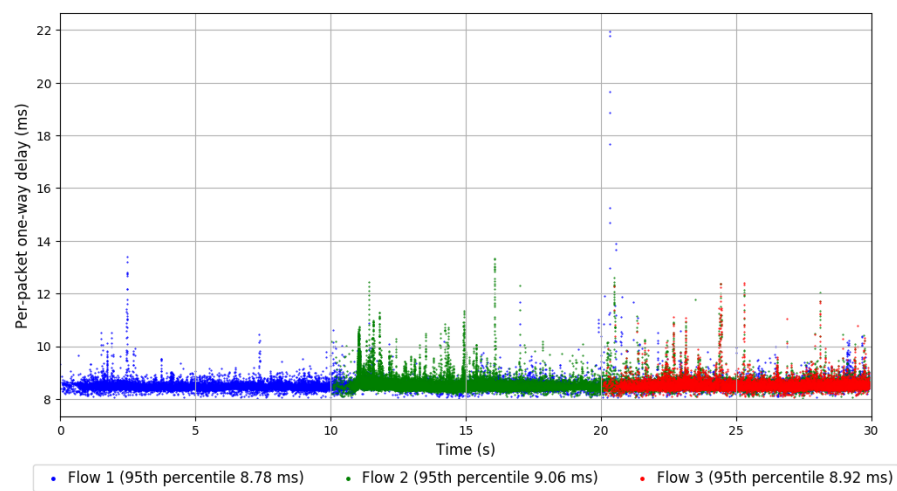
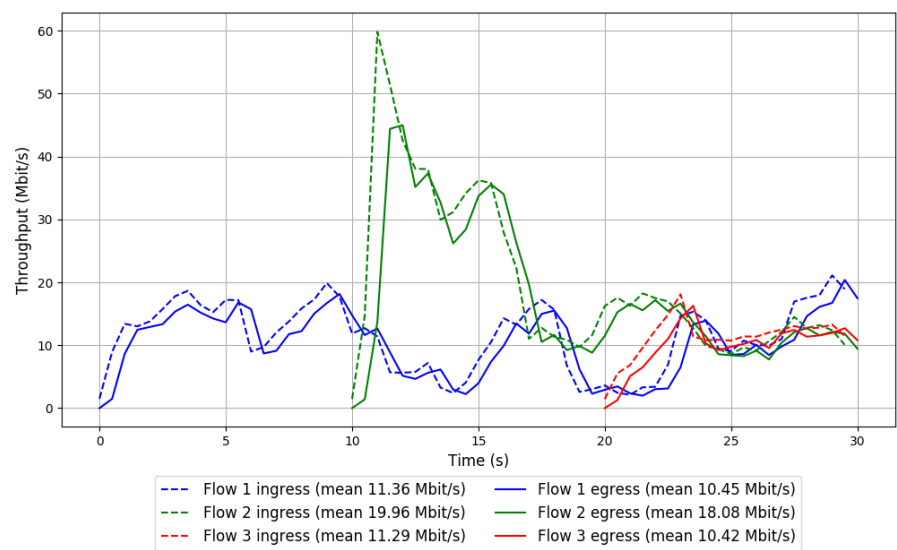
-- Flow 3:

Average throughput: 10.42 Mbit/s

95th percentile per-packet one-way delay: 8.924 ms

Loss rate: 7.72%

Run 1: Report of PCC-Vivace — Data Link

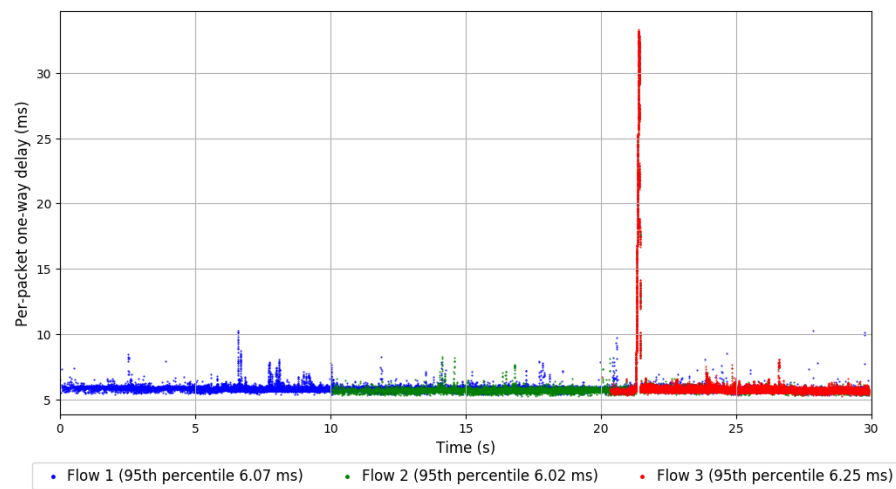
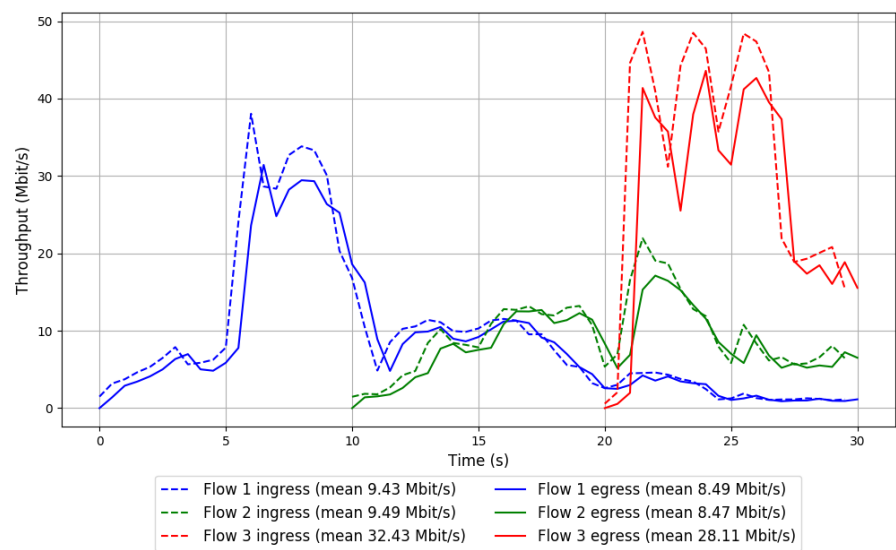


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-18 16:41:24
End at: 2018-06-18 16:41:54
Local clock offset: 2.969 ms
Remote clock offset: -6.995 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 6.090 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 6.073 ms
Loss rate: 9.96%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 6.020 ms
Loss rate: 10.73%
-- Flow 3:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 6.247 ms
Loss rate: 13.32%

Run 2: Report of PCC-Vivace — Data Link

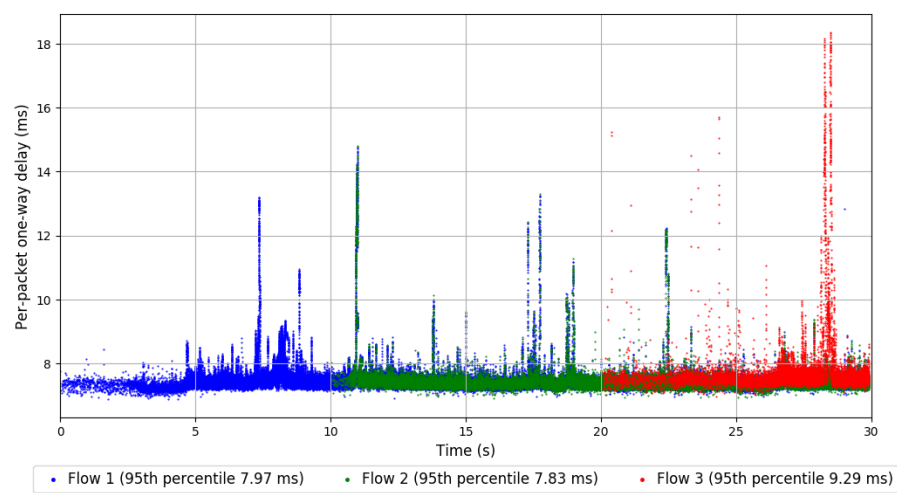
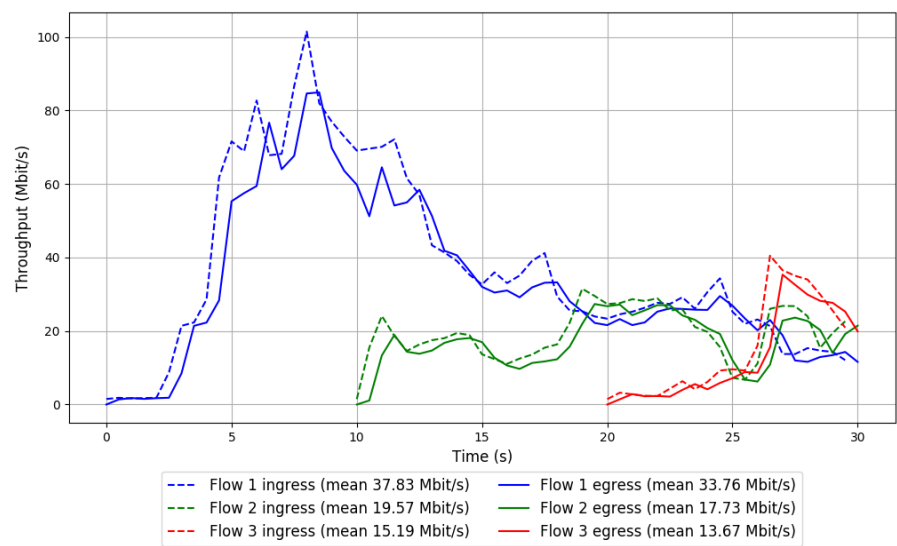


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-18 16:59:44
End at: 2018-06-18 17:00:14
Local clock offset: 1.211 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 8.006 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 7.969 ms
Loss rate: 10.75%
-- Flow 2:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 7.827 ms
Loss rate: 9.41%
-- Flow 3:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 9.289 ms
Loss rate: 10.01%

Run 3: Report of PCC-Vivace — Data Link

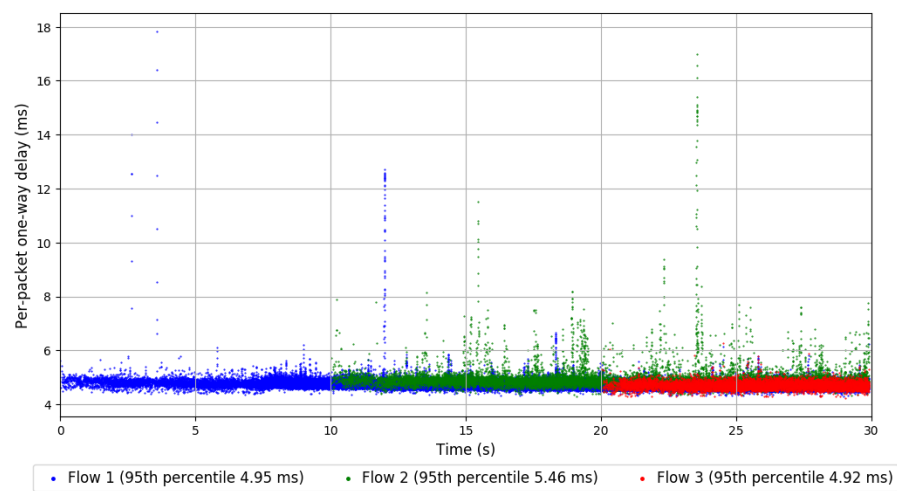
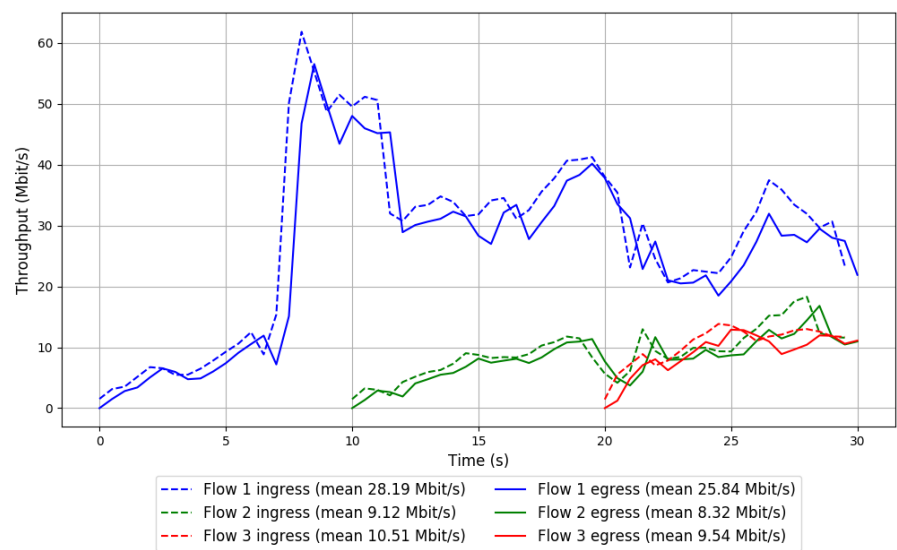


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-18 17:18:06
End at: 2018-06-18 17:18:36
Local clock offset: 3.08 ms
Remote clock offset: -5.223 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 5.010 ms
Loss rate: 8.48%
-- Flow 1:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 4.947 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 5.455 ms
Loss rate: 8.77%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 4.920 ms
Loss rate: 9.24%

Run 4: Report of PCC-Vivace — Data Link

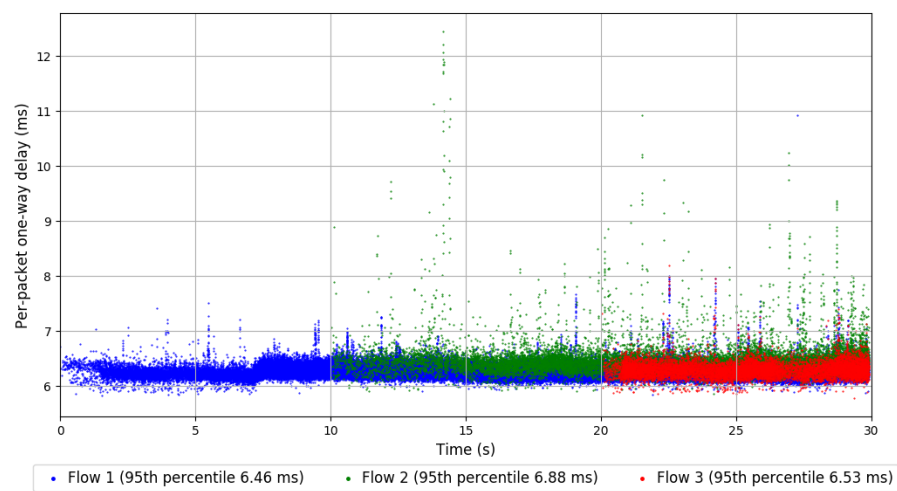
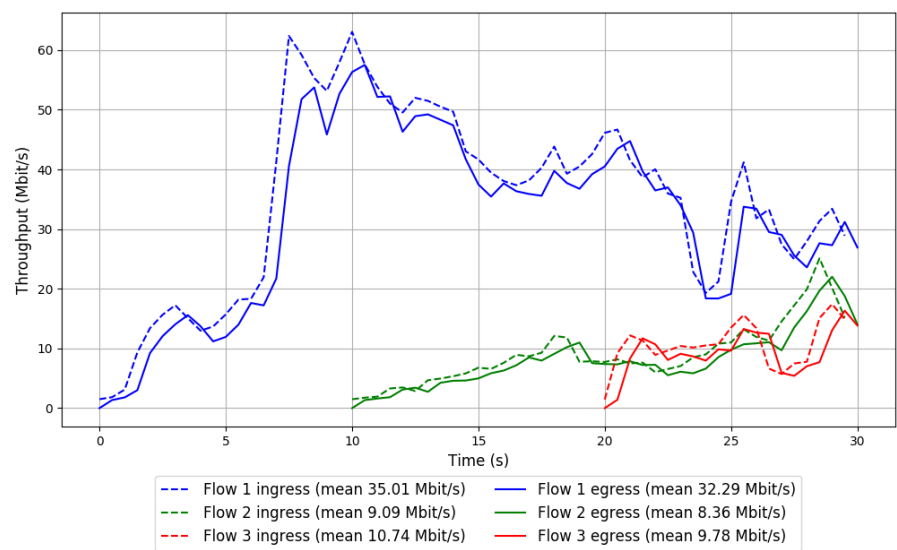


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-18 17:36:36
End at: 2018-06-18 17:37:06
Local clock offset: 2.011 ms
Remote clock offset: -0.726 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 6.542 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 6.462 ms
Loss rate: 7.77%
-- Flow 2:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 6.881 ms
Loss rate: 8.10%
-- Flow 3:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 6.526 ms
Loss rate: 8.95%

Run 5: Report of PCC-Vivace — Data Link

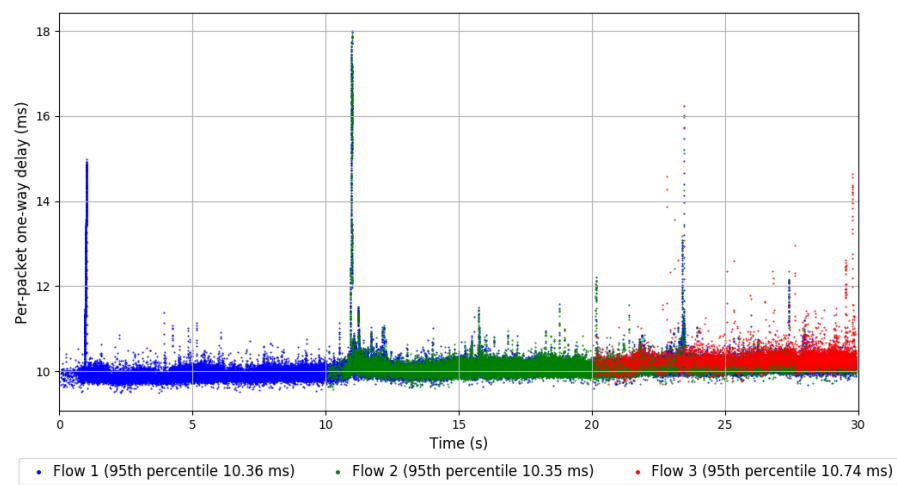
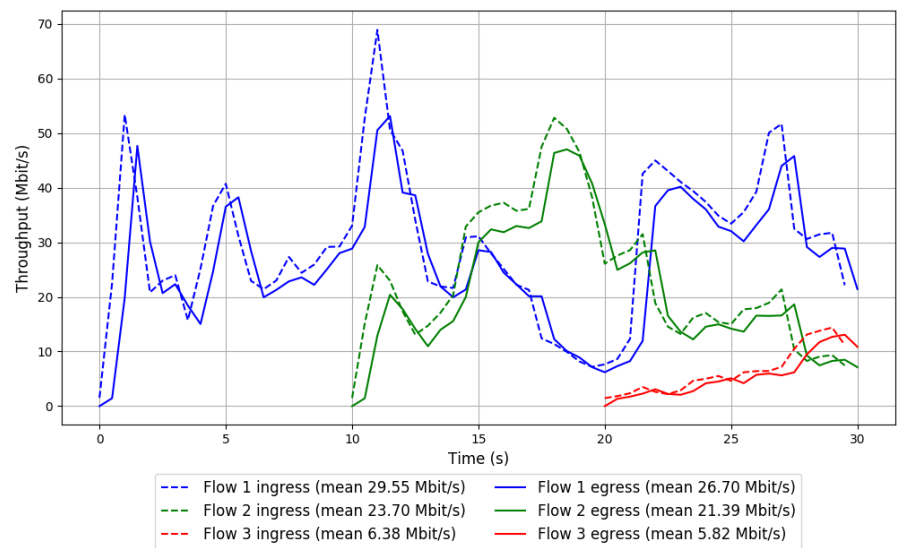


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-18 17:55:02
End at: 2018-06-18 17:55:32
Local clock offset: -2.119 ms
Remote clock offset: -3.239 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 10.388 ms
Loss rate: 9.64%
-- Flow 1:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 10.357 ms
Loss rate: 9.64%
-- Flow 2:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 10.347 ms
Loss rate: 9.75%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 10.745 ms
Loss rate: 8.76%

Run 6: Report of PCC-Vivace — Data Link

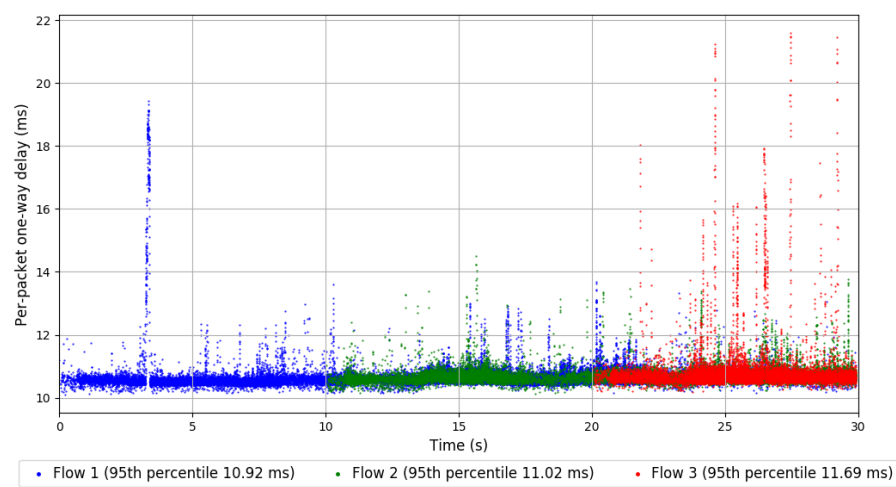
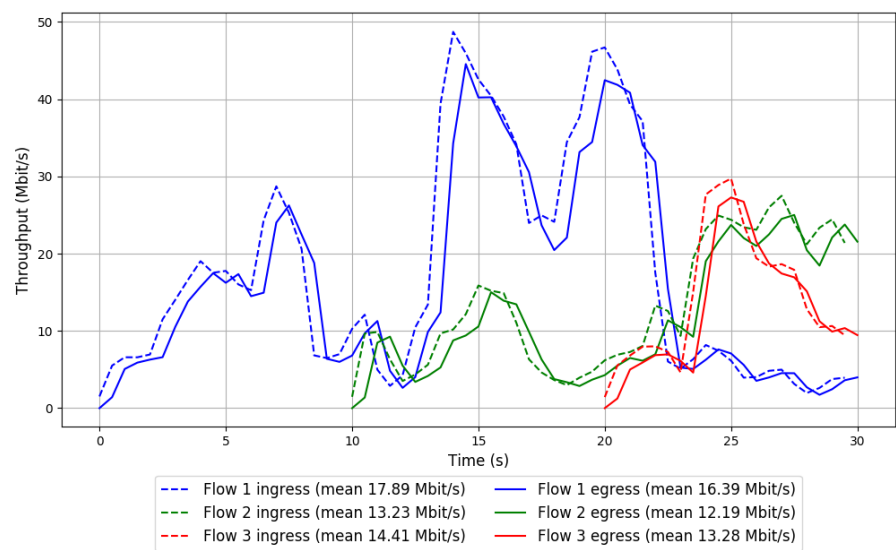


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-18 18:13:34
End at: 2018-06-18 18:14:04
Local clock offset: -1.39 ms
Remote clock offset: -6.034 ms

Below is generated by plot.py at 2018-06-18 19:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 10.921 ms
Loss rate: 8.39%
-- Flow 2:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 11.023 ms
Loss rate: 7.87%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 11.686 ms
Loss rate: 7.84%

Run 7: Report of PCC-Vivace — Data Link

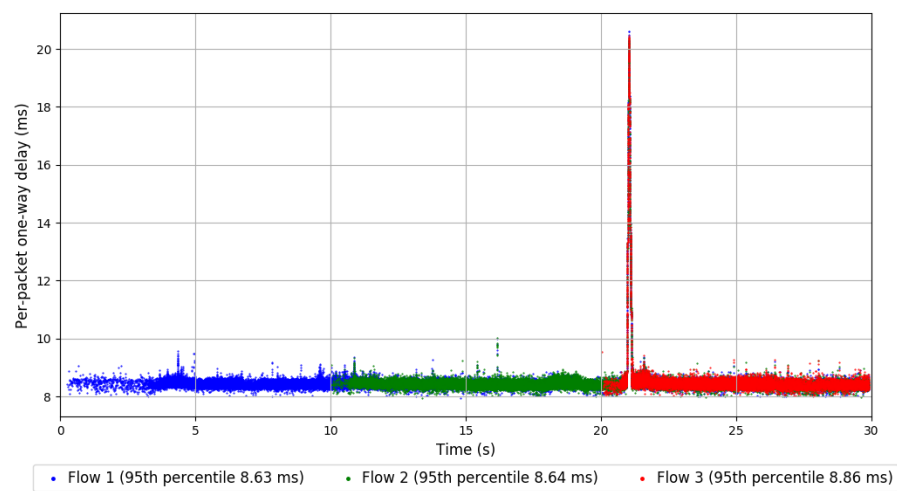
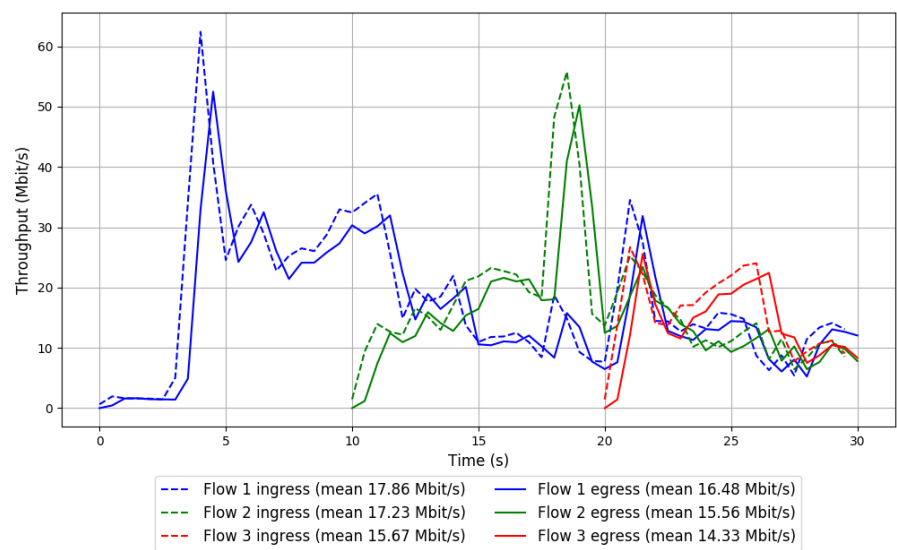


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-18 18:31:45
End at: 2018-06-18 18:32:15
Local clock offset: 1.609 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2018-06-18 19:39:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 8.651 ms
Loss rate: 8.93%
-- Flow 1:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 8.633 ms
Loss rate: 8.55%
-- Flow 2:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 8.637 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 14.33 Mbit/s
95th percentile per-packet one-way delay: 8.857 ms
Loss rate: 8.57%

Run 8: Report of PCC-Vivace — Data Link

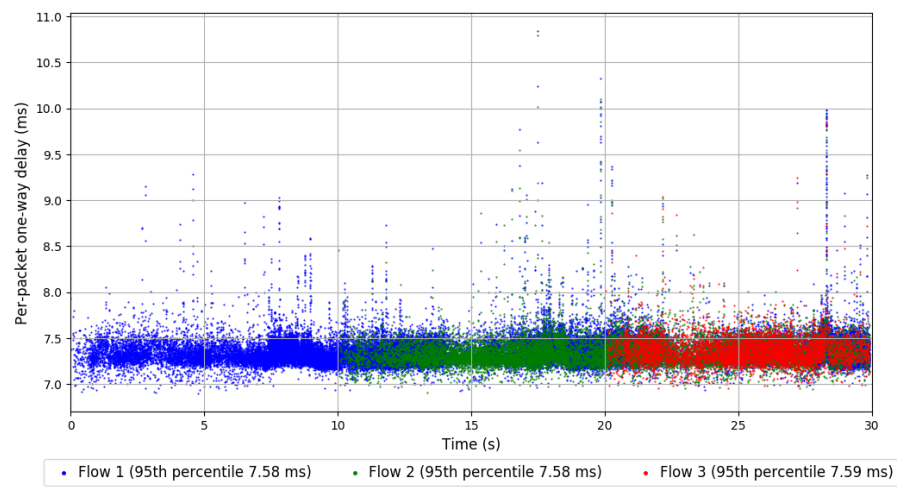
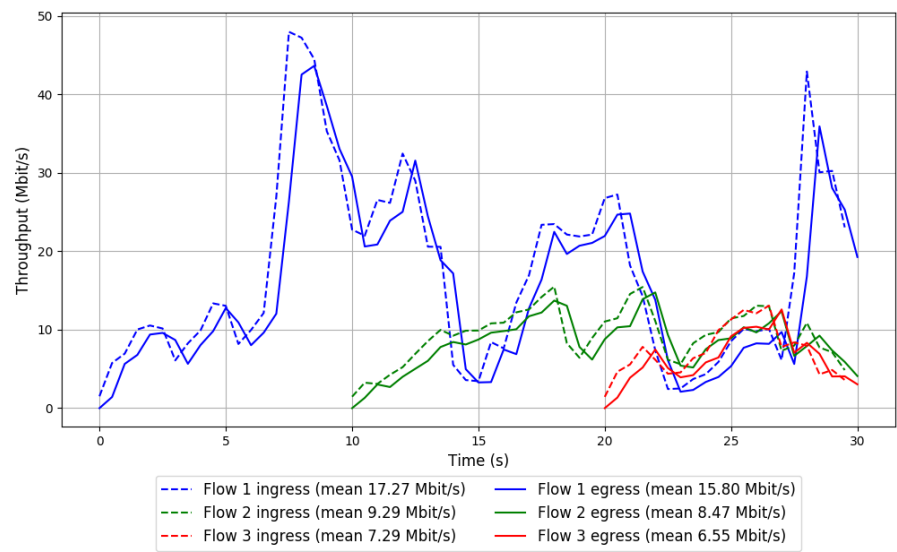


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-18 18:50:45
End at: 2018-06-18 18:51:15
Local clock offset: 2.87 ms
Remote clock offset: -3.032 ms

Below is generated by plot.py at 2018-06-18 19:39:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 7.581 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 7.579 ms
Loss rate: 8.55%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 7.576 ms
Loss rate: 8.81%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 7.594 ms
Loss rate: 10.12%

Run 9: Report of PCC-Vivace — Data Link

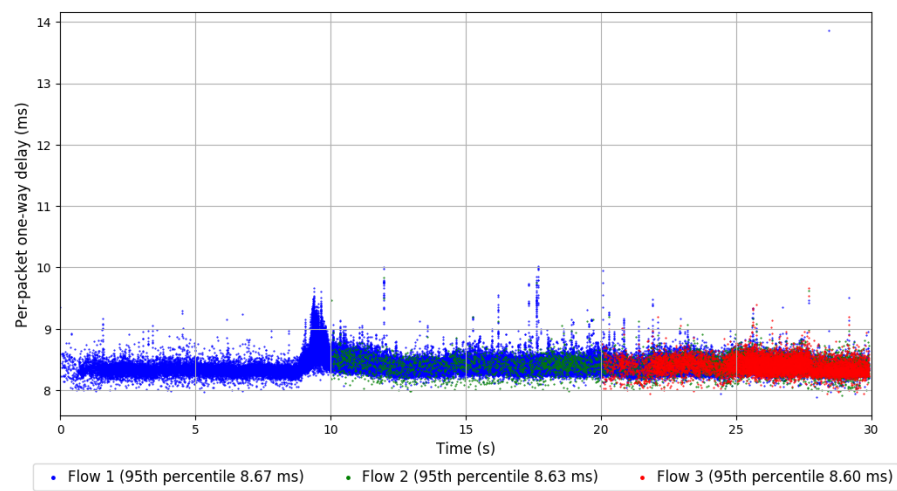
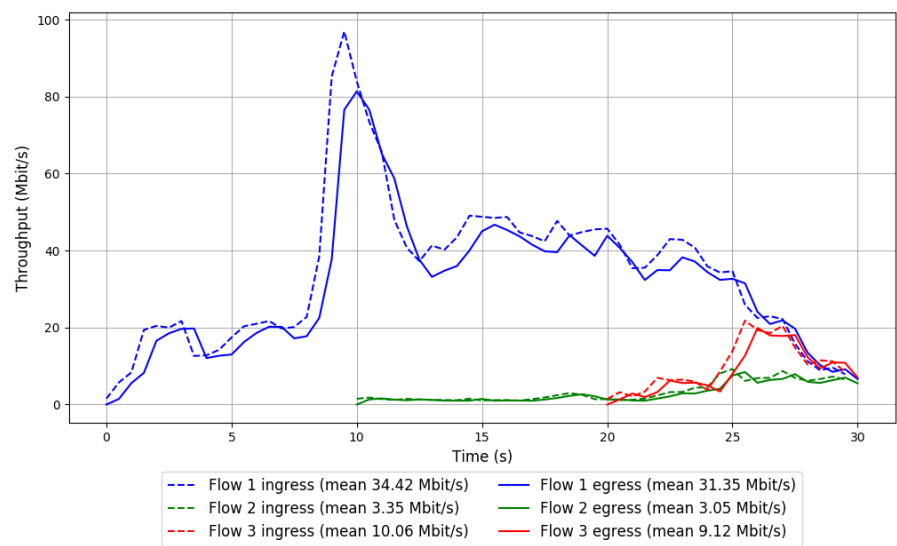


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-18 19:09:18
End at: 2018-06-18 19:09:48
Local clock offset: 1.73 ms
Remote clock offset: -1.718 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 8.661 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 8.672 ms
Loss rate: 8.90%
-- Flow 2:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 8.631 ms
Loss rate: 8.92%
-- Flow 3:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 8.602 ms
Loss rate: 9.31%

Run 10: Report of PCC-Vivace — Data Link

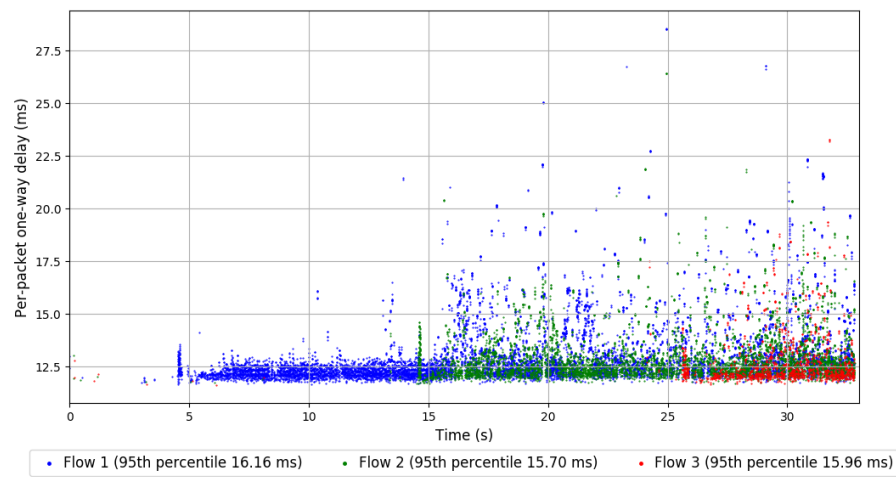
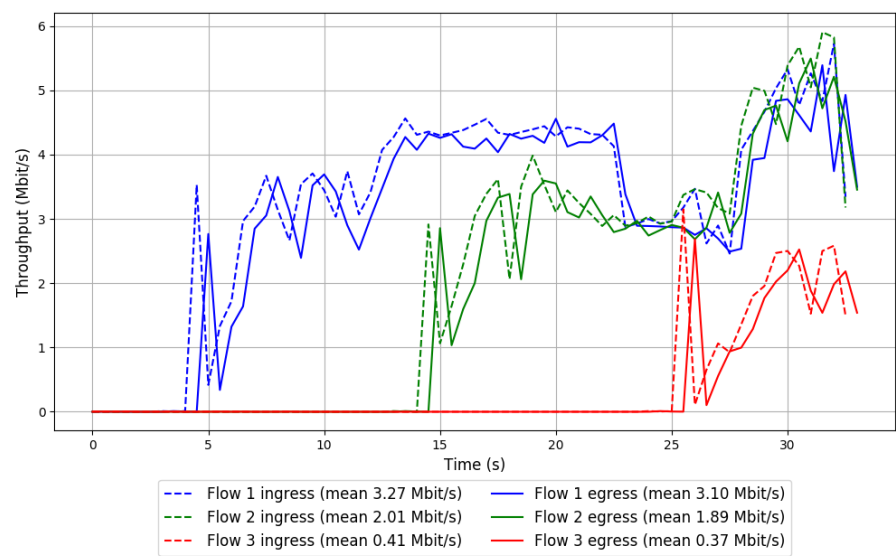


Run 1: Statistics of WebRTC media

Start at: 2018-06-18 16:26:26
End at: 2018-06-18 16:26:56
Local clock offset: -7.791 ms
Remote clock offset: -10.659 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 16.000 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 16.157 ms
Loss rate: 5.20%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 15.704 ms
Loss rate: 5.74%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 15.960 ms
Loss rate: 8.17%

Run 1: Report of WebRTC media — Data Link

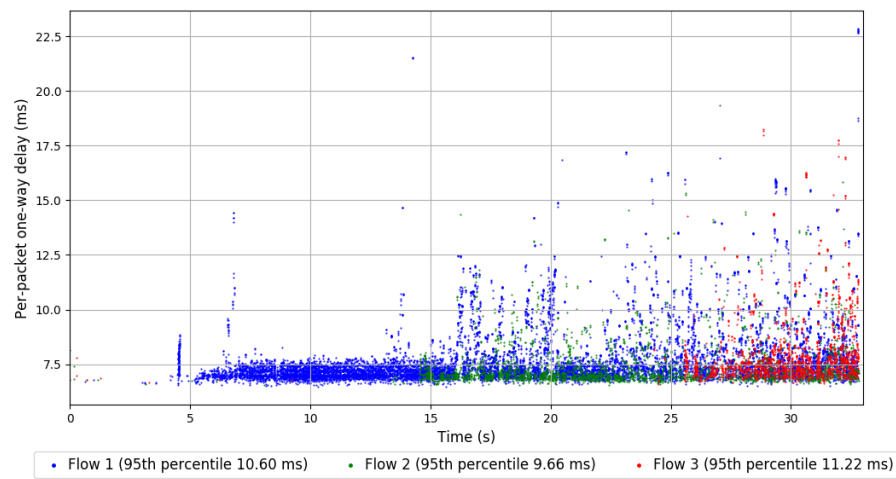
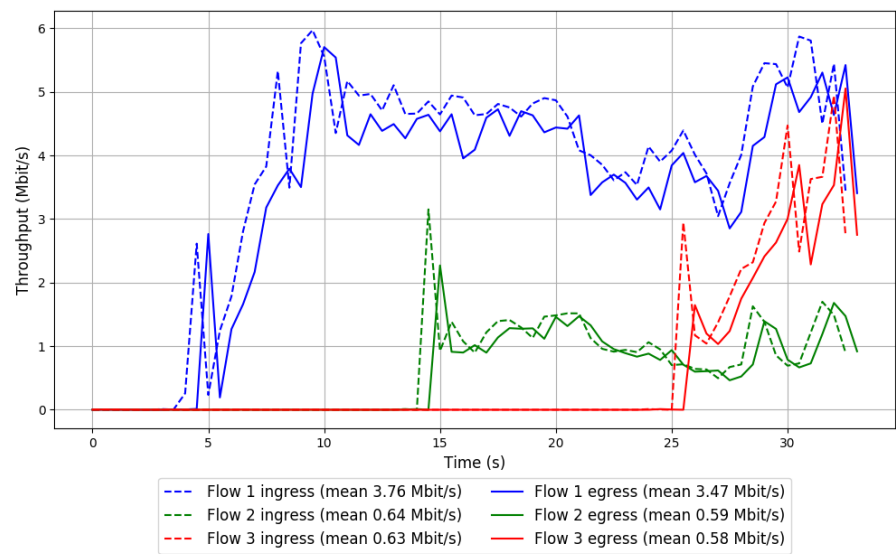


Run 2: Statistics of WebRTC media

Start at: 2018-06-18 16:44:58
End at: 2018-06-18 16:45:28
Local clock offset: 1.221 ms
Remote clock offset: -7.163 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 10.546 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 10.604 ms
Loss rate: 7.79%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 9.661 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 11.221 ms
Loss rate: 8.09%

Run 2: Report of WebRTC media — Data Link

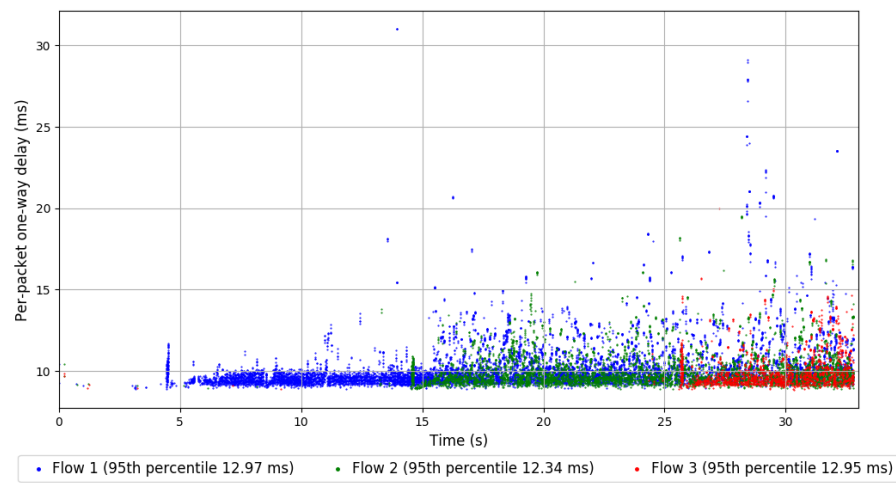
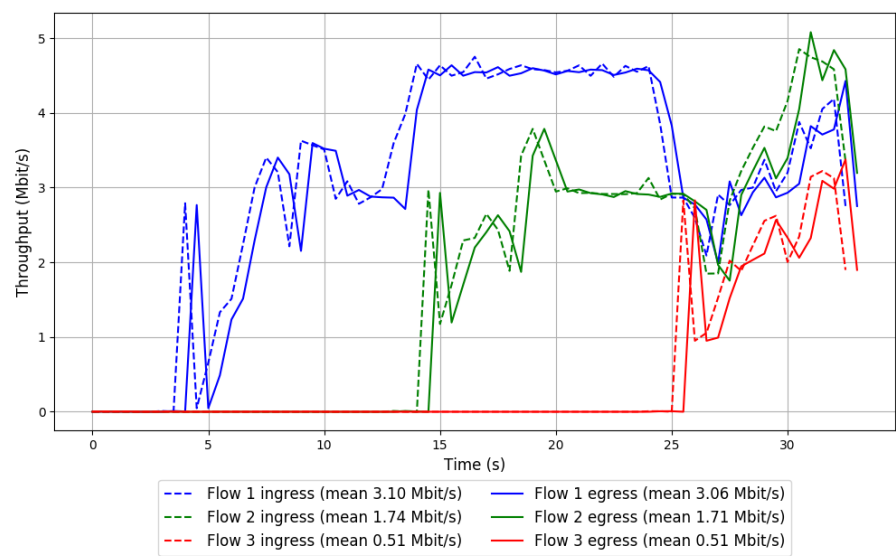


Run 3: Statistics of WebRTC media

Start at: 2018-06-18 17:03:14
End at: 2018-06-18 17:03:44
Local clock offset: 0.665 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 12.780 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 12.966 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 12.342 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 12.953 ms
Loss rate: 1.18%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-18 17:21:45

End at: 2018-06-18 17:22:15

Local clock offset: 0.88 ms

Remote clock offset: -3.05 ms

Below is generated by plot.py at 2018-06-18 19:39:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 11.460 ms

Loss rate: 4.09%

-- Flow 1:

Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 11.398 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 11.694 ms

Loss rate: 4.06%

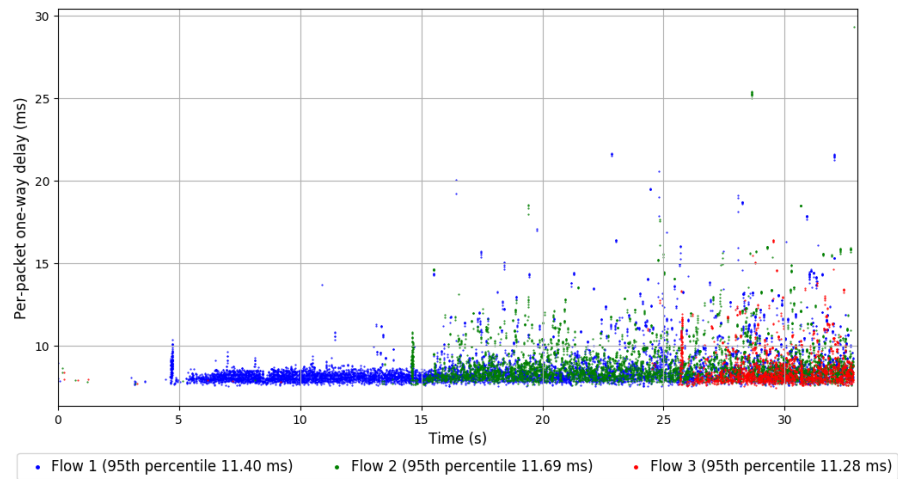
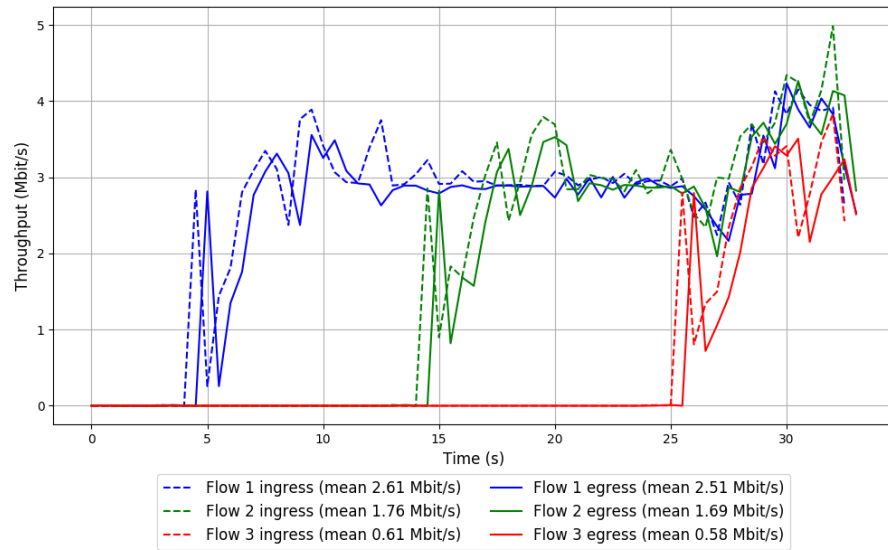
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 11.280 ms

Loss rate: 4.58%

Run 4: Report of WebRTC media — Data Link

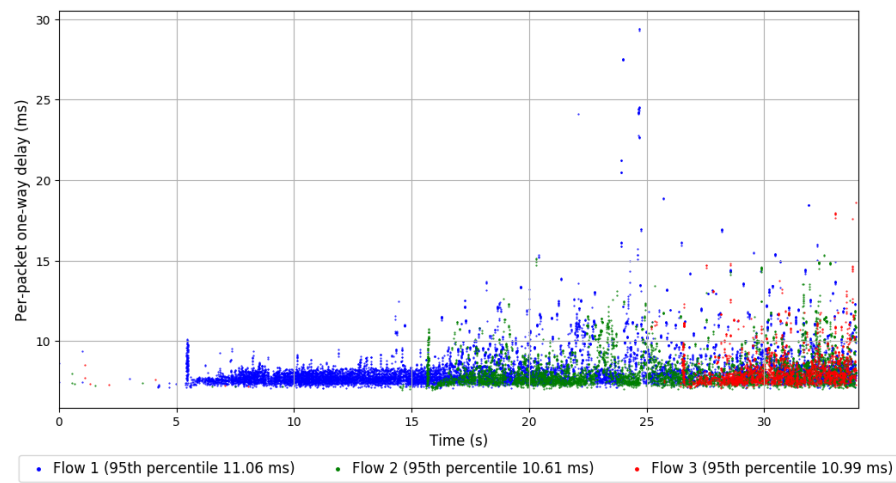
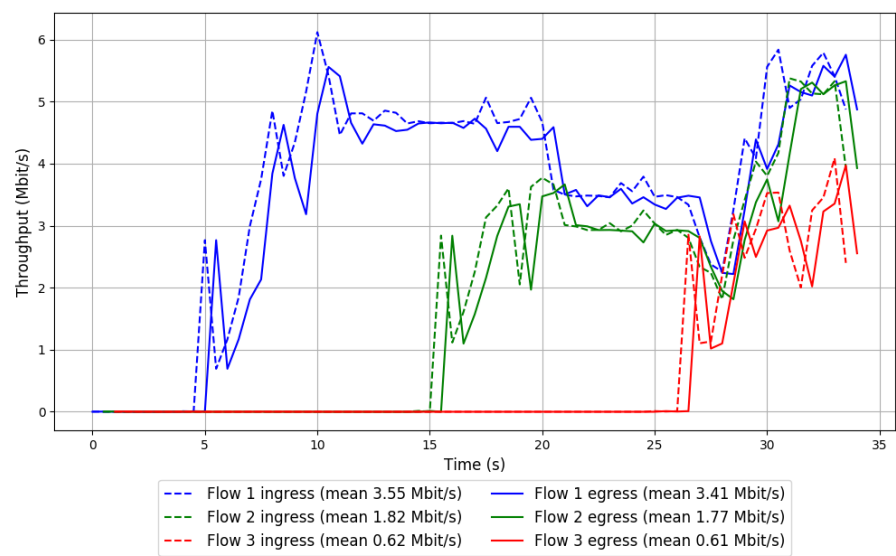


Run 5: Statistics of WebRTC media

Start at: 2018-06-18 17:40:07
End at: 2018-06-18 17:40:37
Local clock offset: -3.177 ms
Remote clock offset: -4.242 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 10.949 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 11.062 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 10.611 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 10.993 ms
Loss rate: 2.65%

Run 5: Report of WebRTC media — Data Link

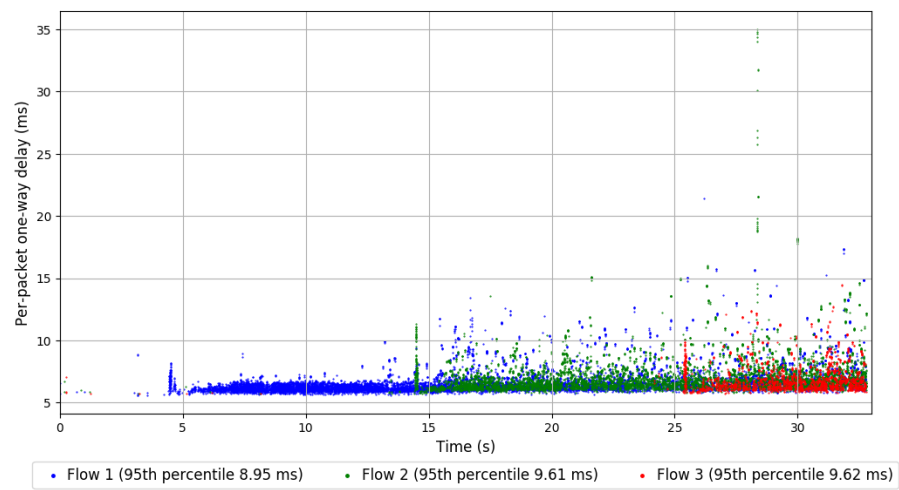
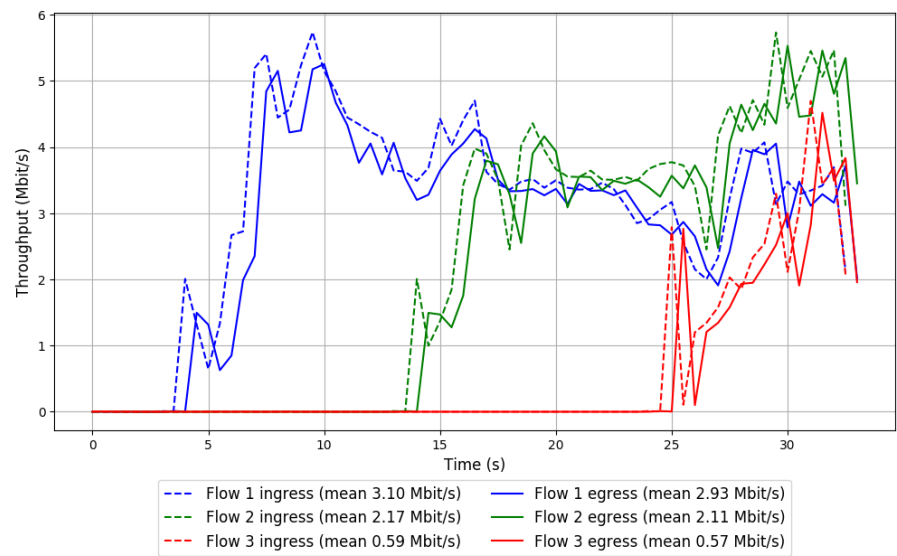


Run 6: Statistics of WebRTC media

Start at: 2018-06-18 17:58:42
End at: 2018-06-18 17:59:12
Local clock offset: 1.763 ms
Remote clock offset: -4.587 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 9.288 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 9.611 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 9.619 ms
Loss rate: 2.54%

Run 6: Report of WebRTC media — Data Link

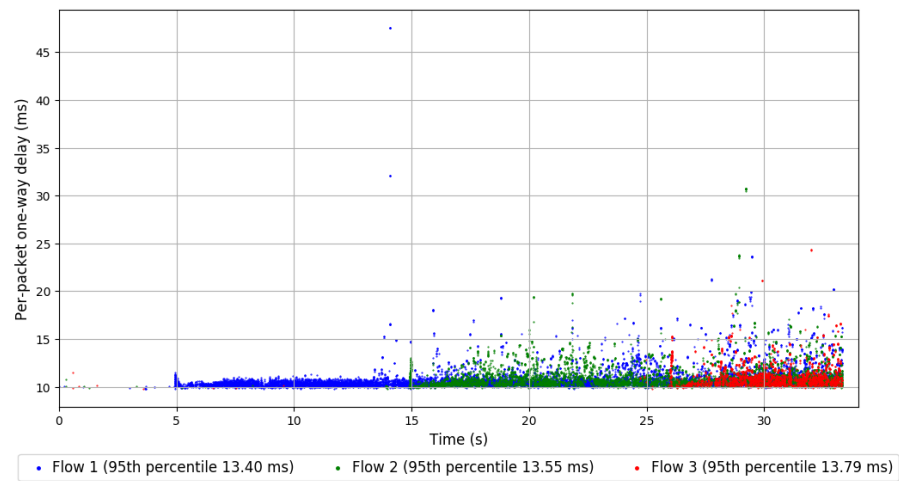
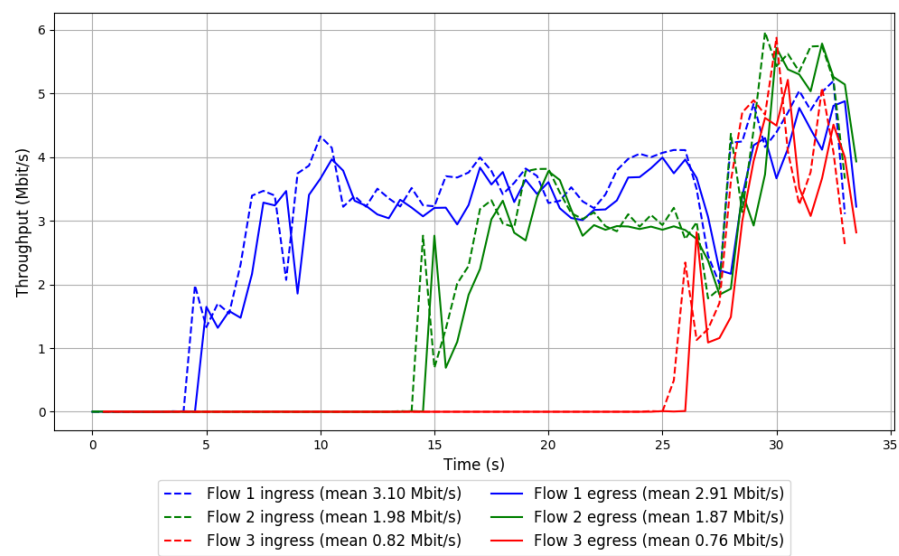


Run 7: Statistics of WebRTC media

Start at: 2018-06-18 18:17:05
End at: 2018-06-18 18:17:35
Local clock offset: -0.651 ms
Remote clock offset: -5.935 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 13.521 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 13.398 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 13.555 ms
Loss rate: 5.26%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 13.787 ms
Loss rate: 7.88%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-18 18:35:22

End at: 2018-06-18 18:35:52

Local clock offset: 2.737 ms

Remote clock offset: -4.51 ms

Below is generated by plot.py at 2018-06-18 19:39:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.61 Mbit/s

95th percentile per-packet one-way delay: 9.740 ms

Loss rate: 5.95%

-- Flow 1:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 9.598 ms

Loss rate: 6.18%

-- Flow 2:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 9.742 ms

Loss rate: 5.65%

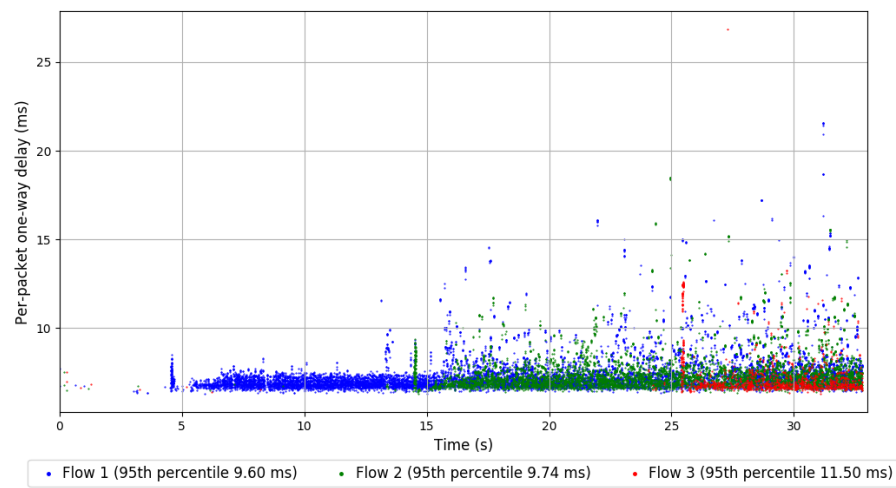
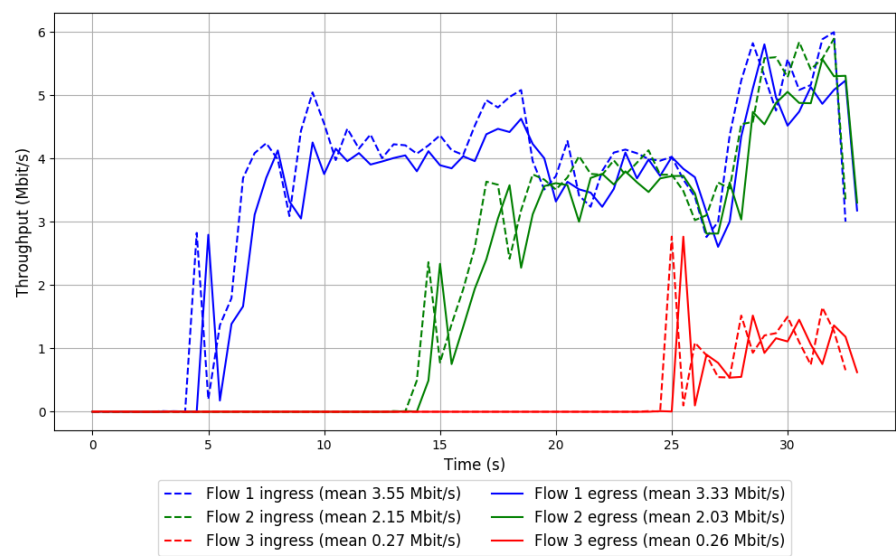
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 11.501 ms

Loss rate: 5.43%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-18 18:54:20

End at: 2018-06-18 18:54:50

Local clock offset: -1.729 ms

Remote clock offset: -7.85 ms

Below is generated by plot.py at 2018-06-18 19:39:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 10.384 ms

Loss rate: 4.10%

-- Flow 1:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 10.337 ms

Loss rate: 4.19%

-- Flow 2:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 9.961 ms

Loss rate: 3.57%

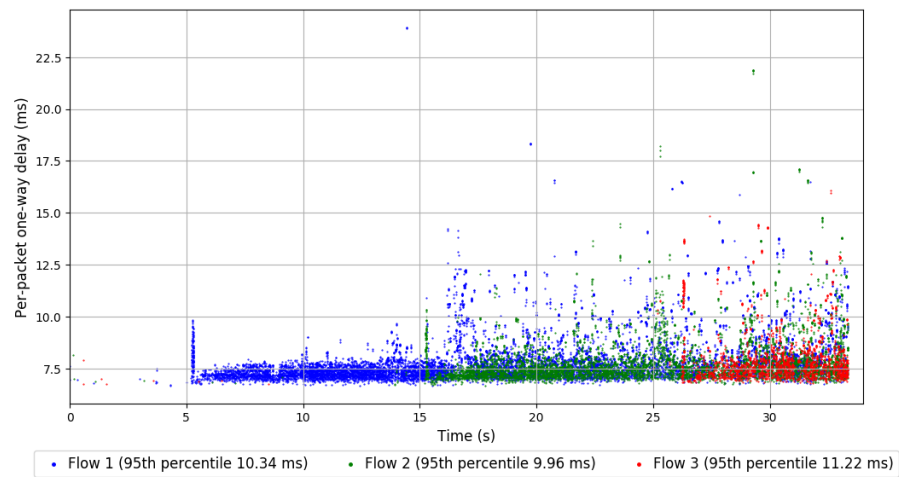
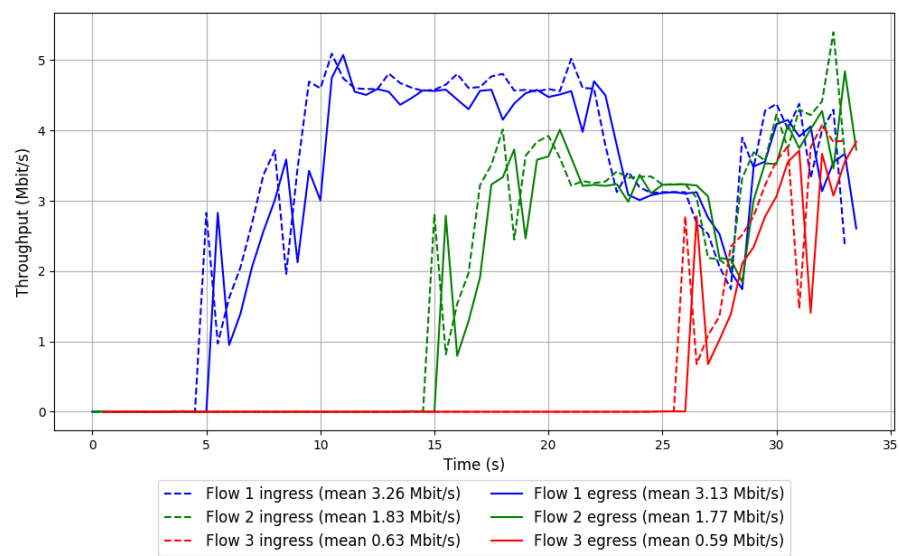
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 11.223 ms

Loss rate: 5.22%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-18 19:12:50
End at: 2018-06-18 19:13:20
Local clock offset: 2.892 ms
Remote clock offset: -1.472 ms

Below is generated by plot.py at 2018-06-18 19:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 10.700 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 10.640 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 10.587 ms
Loss rate: 5.54%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 10.996 ms
Loss rate: 5.60%

Run 10: Report of WebRTC media — Data Link

