

Pantheon Report

Generated at 2018-07-03 21:58:53 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

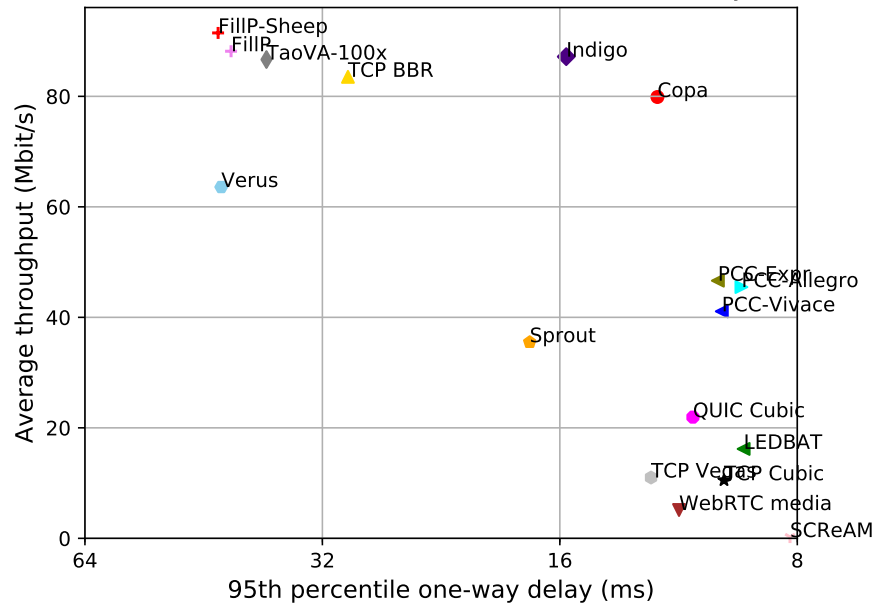
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

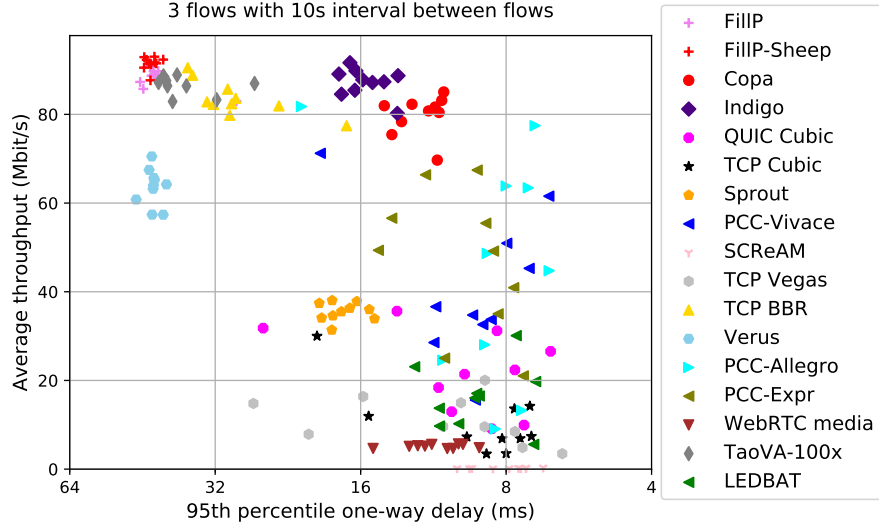
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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



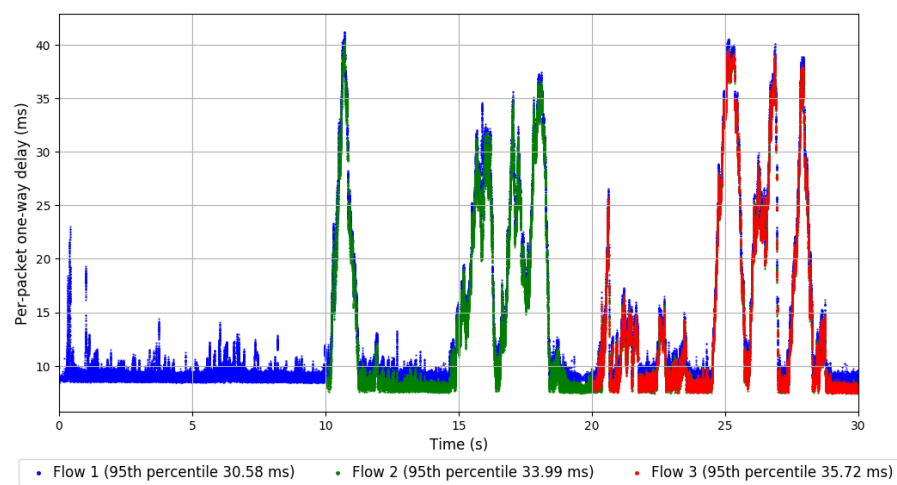
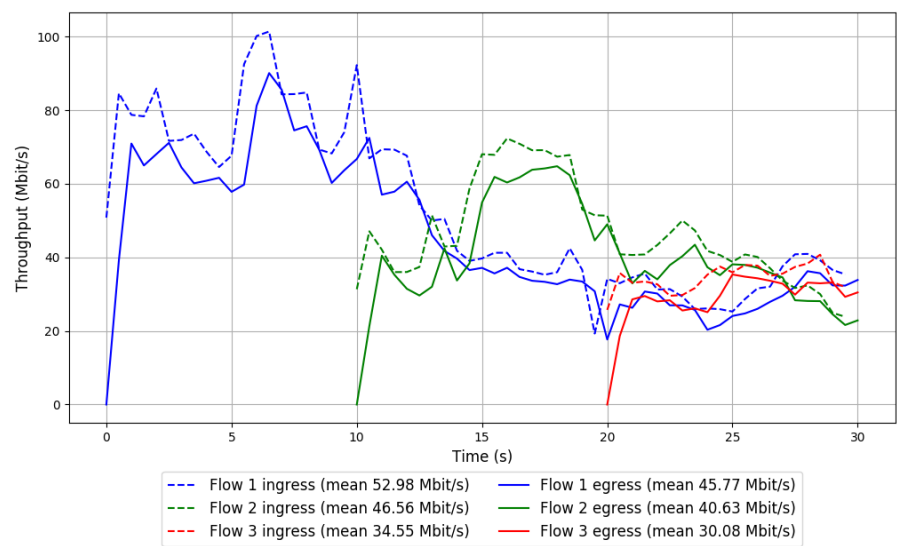
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	50.75	34.50	30.14	26.82	31.17	32.37	13.12	13.95	13.98
Copa	10	46.57	35.79	28.67	11.98	11.88	12.56	15.36	15.35	15.64
TCP Cubic	10	5.45	5.00	5.28	9.16	10.00	11.55	4.33	4.79	4.36
FillP	10	54.58	38.33	24.54	40.29	43.05	42.97	23.50	28.83	29.87
FillP-Sheep	10	54.29	40.58	30.93	41.70	44.49	44.75	23.61	30.89	35.13
Indigo	10	49.94	39.10	35.94	14.66	16.05	17.79	12.64	14.22	14.22
LEDBAT	10	8.63	8.30	6.31	9.15	9.29	9.45	2.83	3.23	3.62
PCC-Allegro	10	38.11	9.00	4.22	9.21	9.51	8.66	8.86	8.91	8.75
PCC-Expr	10	33.99	13.57	10.97	10.17	8.29	9.26	8.93	8.64	9.02
QUIC Cubic	10	11.73	10.32	10.14	9.42	11.40	11.42	4.08	4.24	4.84
SCReAM	10	0.10	0.14	0.14	8.16	7.65	7.60	3.15	2.66	3.53
Sprout	10	18.24	17.59	16.87	17.01	17.61	18.69	8.12	9.02	10.23
TaoVA-100x	10	50.48	38.82	31.07	34.02	38.33	41.42	17.54	19.82	20.89
TCP Vegas	10	5.60	5.49	5.30	8.81	14.41	10.58	3.64	4.96	3.86
Verus	10	39.00	27.68	20.57	41.15	44.21	43.05	38.93	45.46	44.51
PCC-Vivace	10	28.15	14.57	9.87	9.64	9.68	10.54	7.17	7.84	8.54
WebRTC media	10	2.84	1.76	0.53	11.35	10.97	11.51	3.91	3.82	5.15

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 18:37:13
End at: 2018-07-03 18:37:43
Local clock offset: -0.698 ms
Remote clock offset: -9.577 ms

Below is generated by plot.py at 2018-07-03 21:42:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 13.24%
-- Flow 1:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 30.583 ms
Loss rate: 13.60%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 33.989 ms
Loss rate: 12.75%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 35.724 ms
Loss rate: 12.94%

Run 1: Report of TCP BBR — Data Link

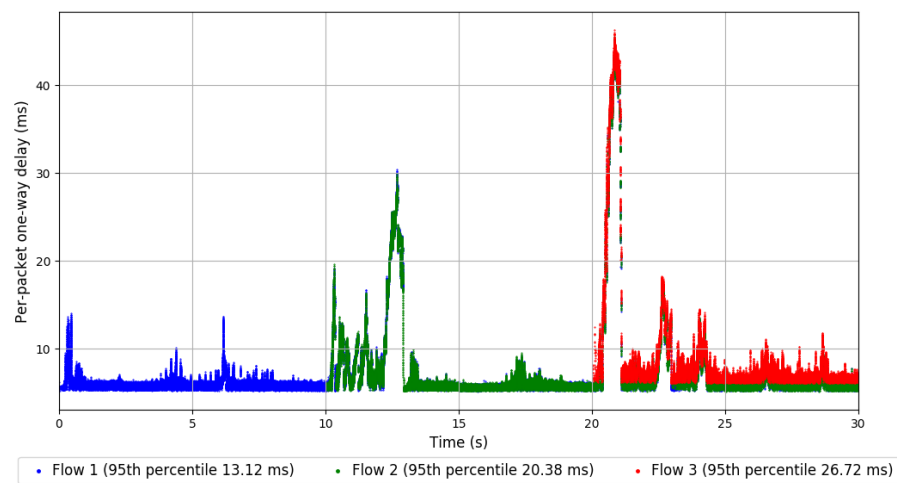
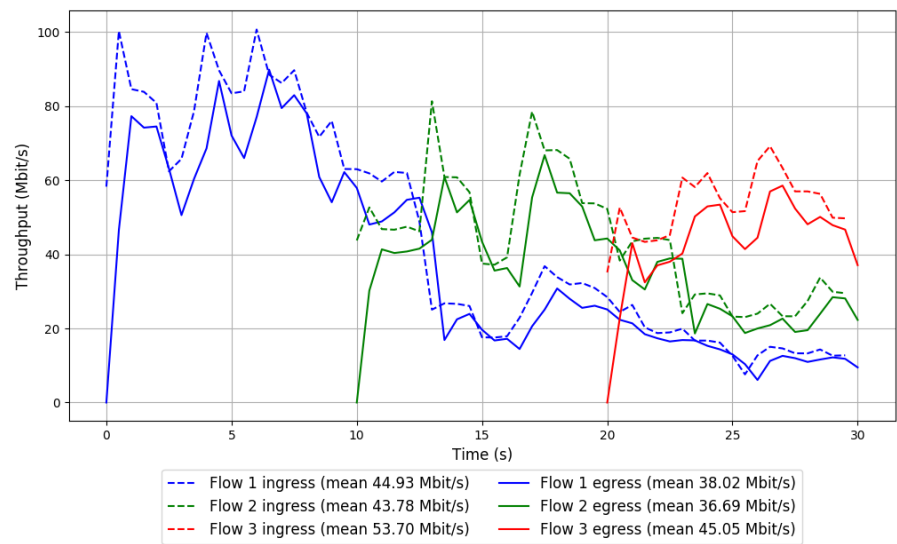


Run 2: Statistics of TCP BBR

Start at: 2018-07-03 18:57:19
End at: 2018-07-03 18:57:49
Local clock offset: -3.719 ms
Remote clock offset: -4.153 ms

Below is generated by plot.py at 2018-07-03 21:42:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 17.112 ms
Loss rate: 15.79%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 13.118 ms
Loss rate: 15.39%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 20.377 ms
Loss rate: 16.20%
-- Flow 3:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 26.716 ms
Loss rate: 16.12%

Run 2: Report of TCP BBR — Data Link

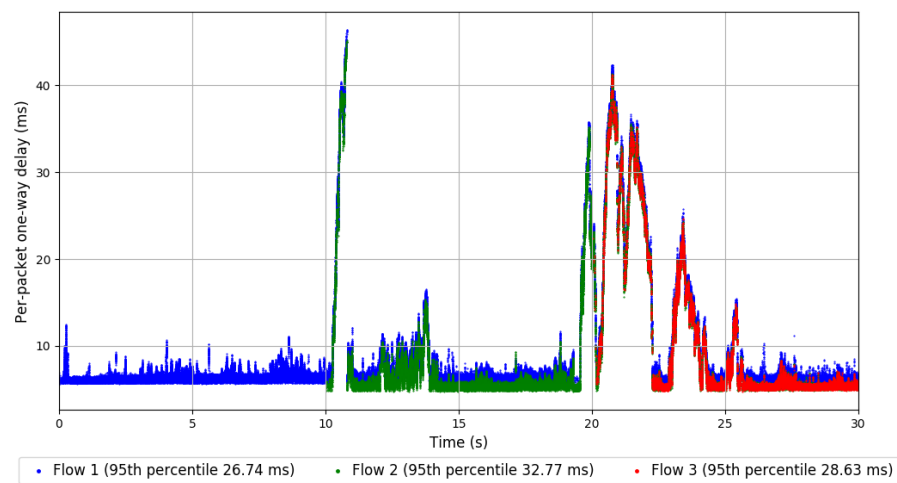
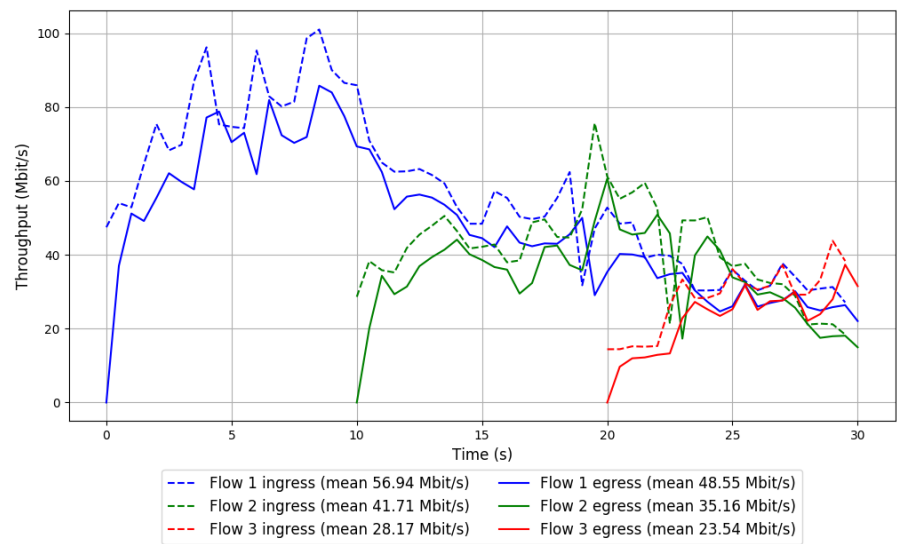


Run 3: Statistics of TCP BBR

Start at: 2018-07-03 19:17:29
End at: 2018-07-03 19:17:59
Local clock offset: 2.209 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-07-03 21:42:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 29.855 ms
Loss rate: 15.20%
-- Flow 1:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 26.736 ms
Loss rate: 14.74%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 15.70%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 28.633 ms
Loss rate: 16.55%

Run 3: Report of TCP BBR — Data Link

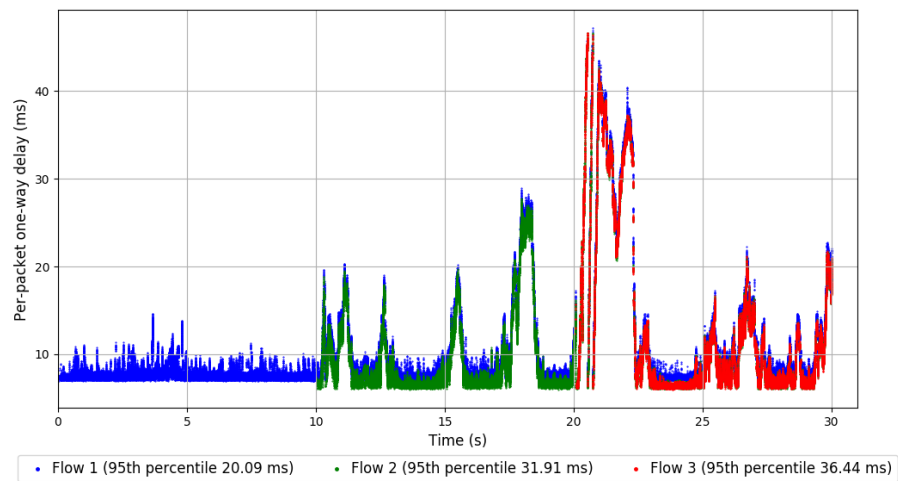
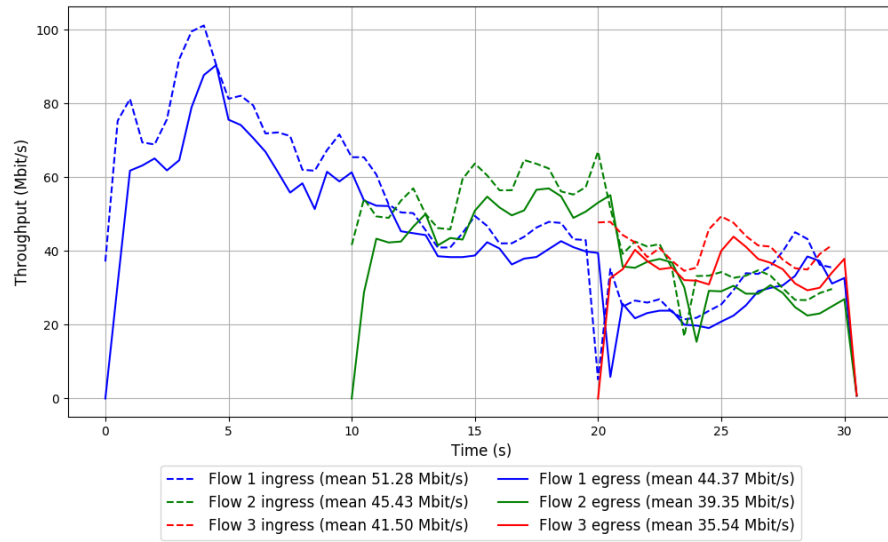


Run 4: Statistics of TCP BBR

Start at: 2018-07-03 19:37:13
End at: 2018-07-03 19:37:43
Local clock offset: 1.418 ms
Remote clock offset: -11.044 ms

Below is generated by plot.py at 2018-07-03 21:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 29.595 ms
Loss rate: 13.54%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 20.086 ms
Loss rate: 13.44%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 31.910 ms
Loss rate: 13.34%
-- Flow 3:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 36.440 ms
Loss rate: 14.30%

Run 4: Report of TCP BBR — Data Link

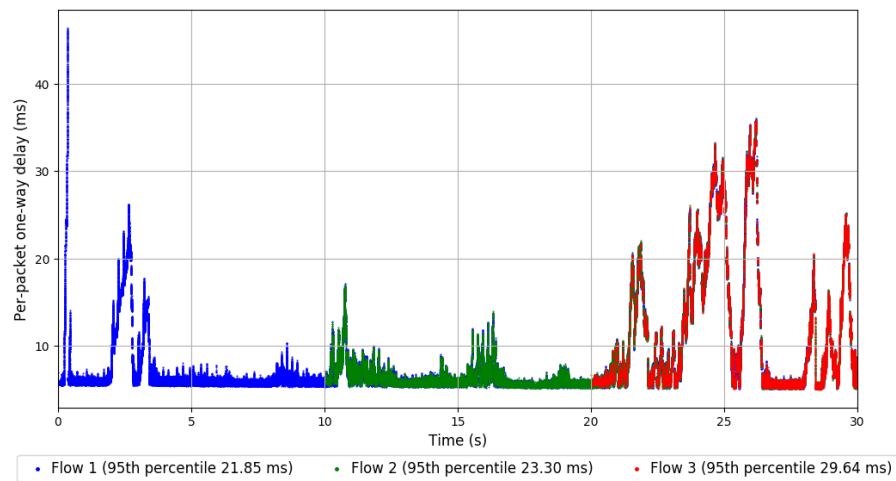
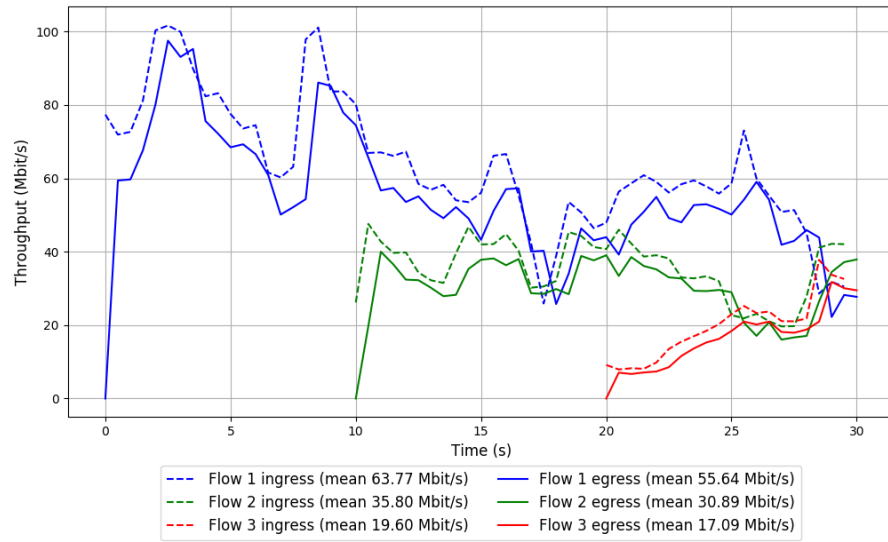


Run 5: Statistics of TCP BBR

Start at: 2018-07-03 19:57:16
End at: 2018-07-03 19:57:46
Local clock offset: -2.34 ms
Remote clock offset: -7.712 ms

Below is generated by plot.py at 2018-07-03 21:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 23.623 ms
Loss rate: 13.00%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 21.847 ms
Loss rate: 12.76%
-- Flow 2:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 23.295 ms
Loss rate: 13.72%
-- Flow 3:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 29.639 ms
Loss rate: 12.77%

Run 5: Report of TCP BBR — Data Link

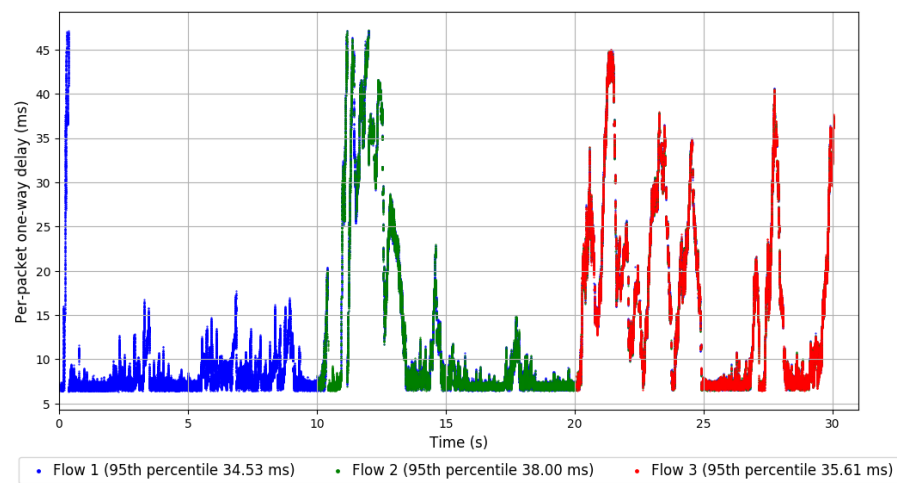
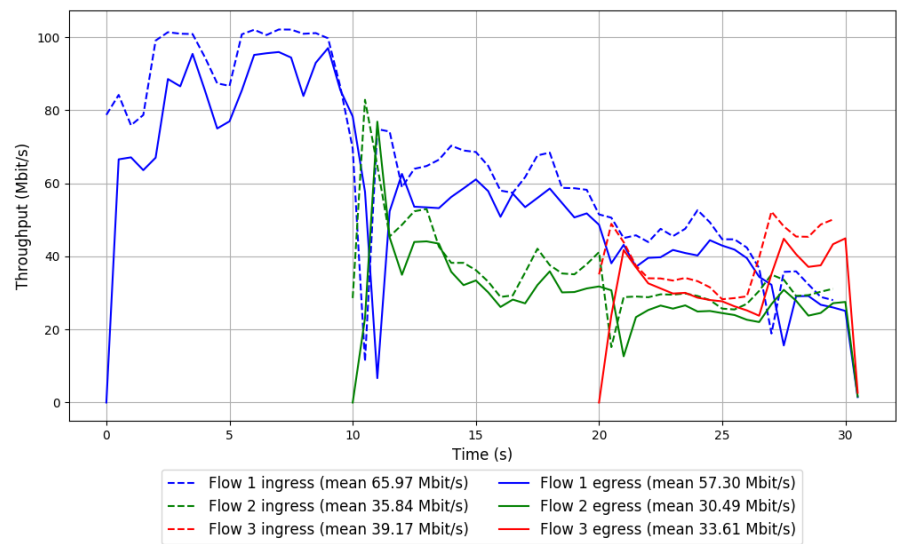


Run 6: Statistics of TCP BBR

Start at: 2018-07-03 20:17:03
End at: 2018-07-03 20:17:33
Local clock offset: 2.025 ms
Remote clock offset: -0.639 ms

Below is generated by plot.py at 2018-07-03 21:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 35.636 ms
Loss rate: 13.57%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 34.530 ms
Loss rate: 13.05%
-- Flow 2:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 38.004 ms
Loss rate: 14.80%
-- Flow 3:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 35.614 ms
Loss rate: 13.94%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-03 20:36:47

End at: 2018-07-03 20:37:17

Local clock offset: 3.714 ms

Remote clock offset: -1.67 ms

Below is generated by plot.py at 2018-07-03 21:42:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 30.147 ms

Loss rate: 13.86%

-- Flow 1:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 27.778 ms

Loss rate: 12.99%

-- Flow 2:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 32.257 ms

Loss rate: 15.18%

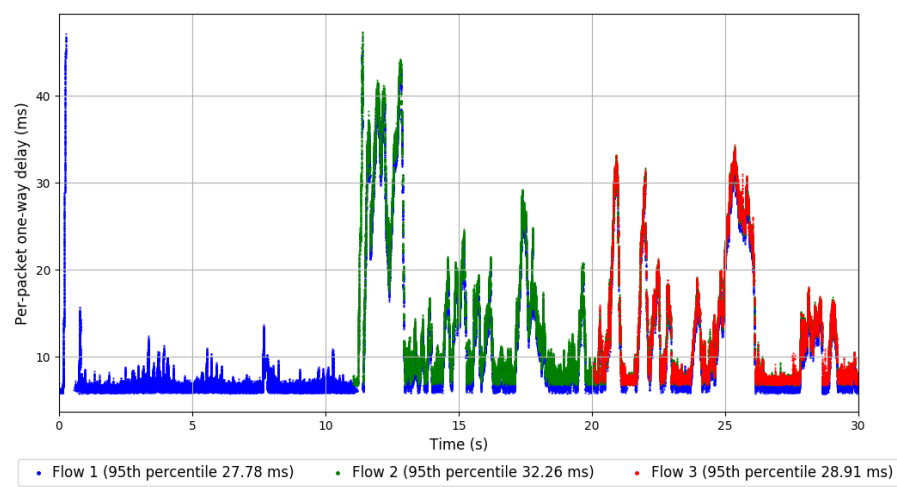
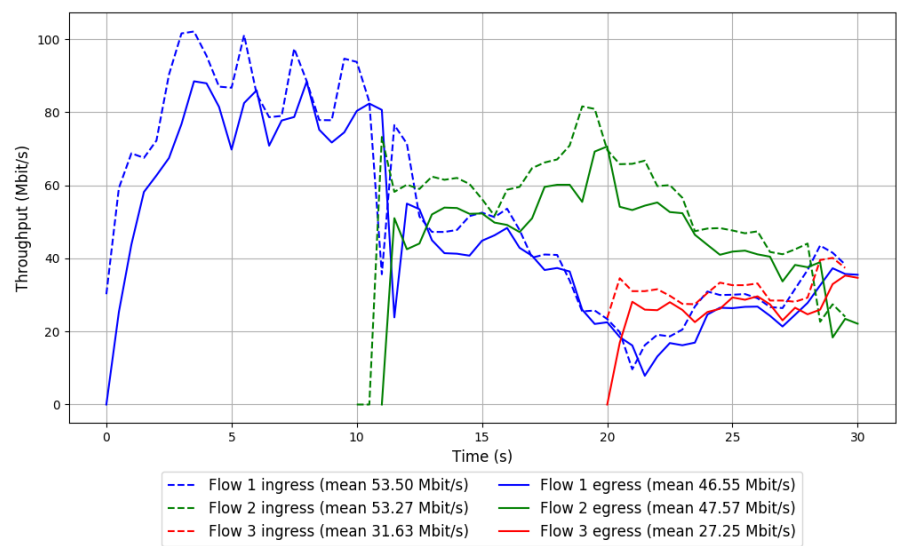
-- Flow 3:

Average throughput: 27.25 Mbit/s

95th percentile per-packet one-way delay: 28.908 ms

Loss rate: 13.87%

Run 7: Report of TCP BBR — Data Link

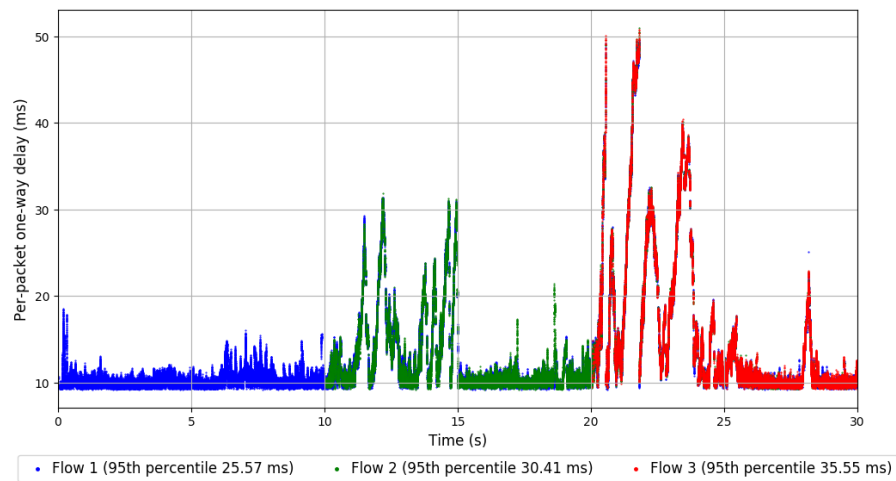
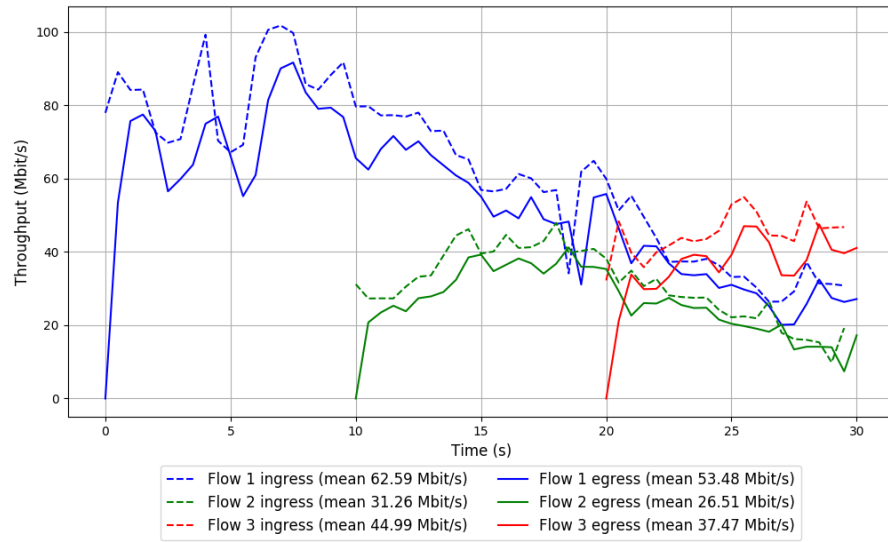


Run 8: Statistics of TCP BBR

Start at: 2018-07-03 20:57:12
End at: 2018-07-03 20:57:42
Local clock offset: -0.722 ms
Remote clock offset: -1.749 ms

Below is generated by plot.py at 2018-07-03 21:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 29.024 ms
Loss rate: 15.02%
-- Flow 1:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 25.569 ms
Loss rate: 14.56%
-- Flow 2:
Average throughput: 26.51 Mbit/s
95th percentile per-packet one-way delay: 30.415 ms
Loss rate: 15.21%
-- Flow 3:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 35.552 ms
Loss rate: 16.70%

Run 8: Report of TCP BBR — Data Link

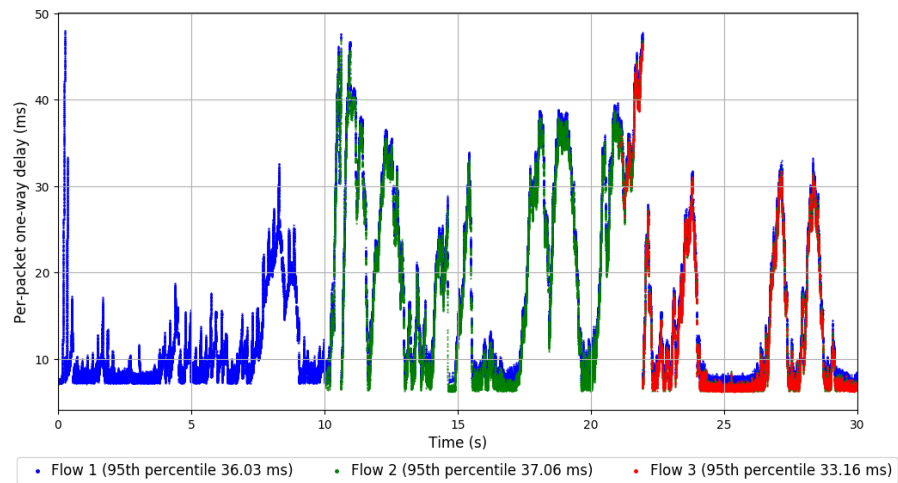
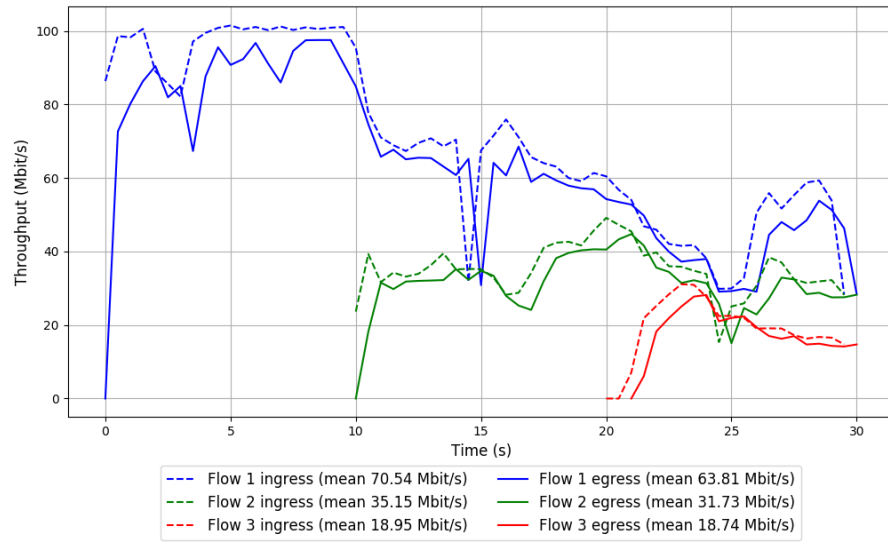


Run 9: Statistics of TCP BBR

Start at: 2018-07-03 21:17:32
End at: 2018-07-03 21:18:02
Local clock offset: 1.085 ms
Remote clock offset: -1.738 ms

Below is generated by plot.py at 2018-07-03 21:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 36.475 ms
Loss rate: 9.70%
-- Flow 1:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 36.032 ms
Loss rate: 9.55%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 37.058 ms
Loss rate: 9.72%
-- Flow 3:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 33.163 ms
Loss rate: 11.37%

Run 9: Report of TCP BBR — Data Link

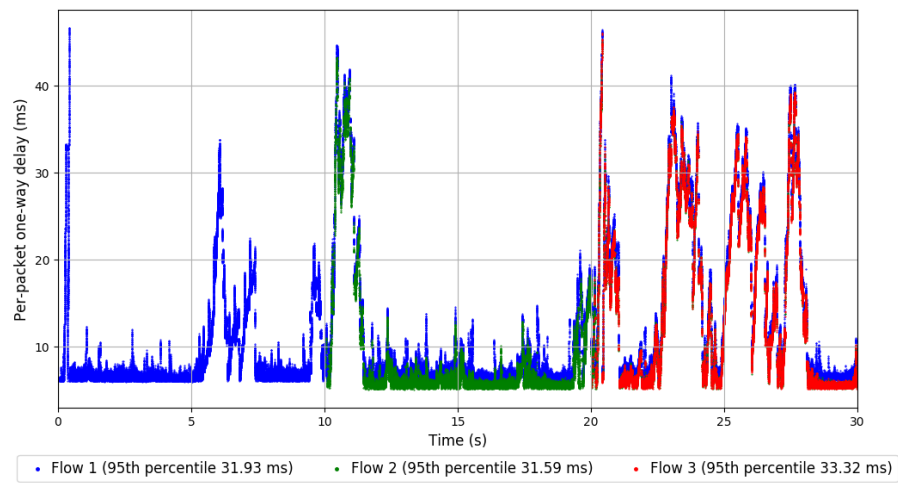
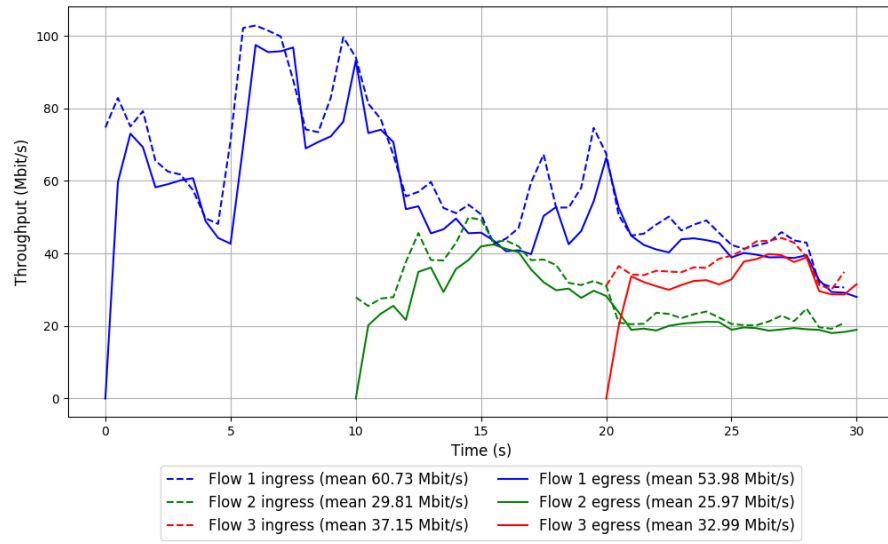


Run 10: Statistics of TCP BBR

Start at: 2018-07-03 21:37:40
End at: 2018-07-03 21:38:10
Local clock offset: 2.64 ms
Remote clock offset: -1.664 ms

Below is generated by plot.py at 2018-07-03 21:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 11.11%
-- Flow 2:
Average throughput: 25.97 Mbit/s
95th percentile per-packet one-way delay: 31.594 ms
Loss rate: 12.86%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 33.317 ms
Loss rate: 11.22%

Run 10: Report of TCP BBR — Data Link

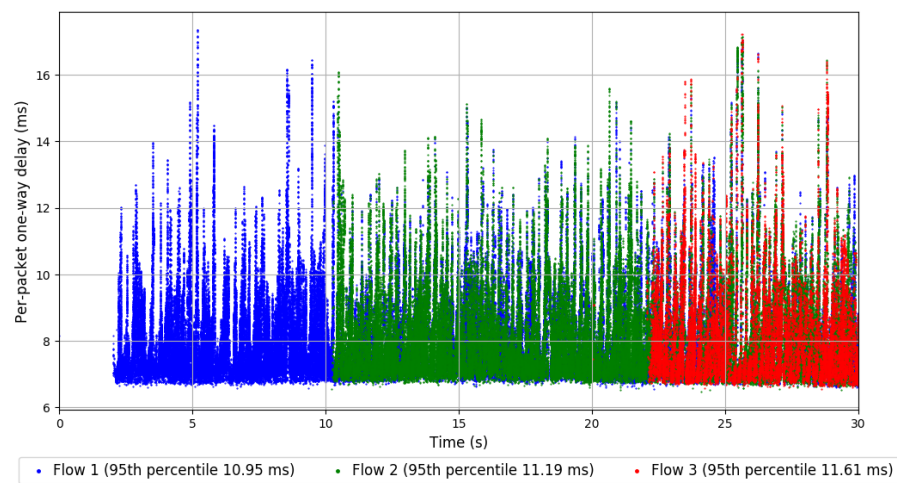
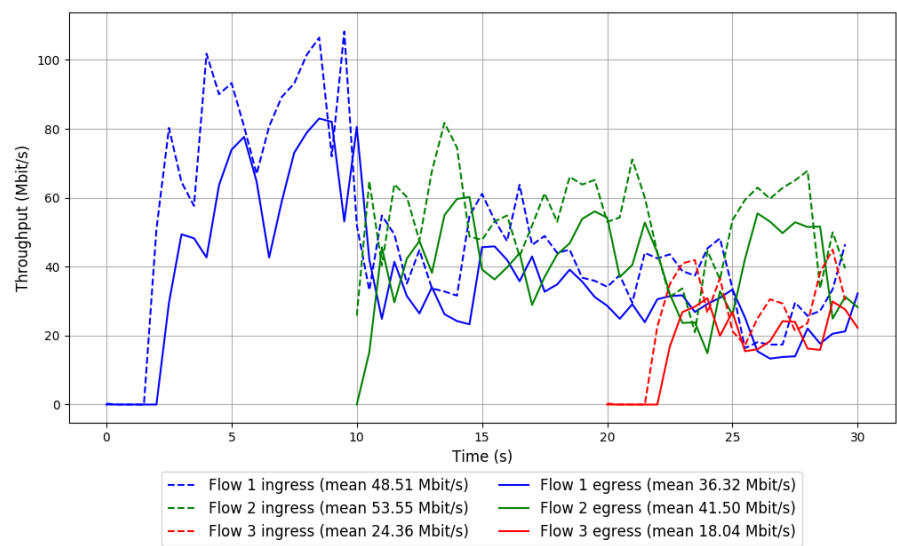


Run 1: Statistics of Copa

Start at: 2018-07-03 18:32:37
End at: 2018-07-03 18:33:07
Local clock offset: 3.16 ms
Remote clock offset: -9.584 ms

Below is generated by plot.py at 2018-07-03 21:43:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 11.106 ms
Loss rate: 24.48%
-- Flow 1:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 10.946 ms
Loss rate: 25.12%
-- Flow 2:
Average throughput: 41.50 Mbit/s
95th percentile per-packet one-way delay: 11.192 ms
Loss rate: 23.27%
-- Flow 3:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 11.613 ms
Loss rate: 25.97%

Run 1: Report of Copa — Data Link

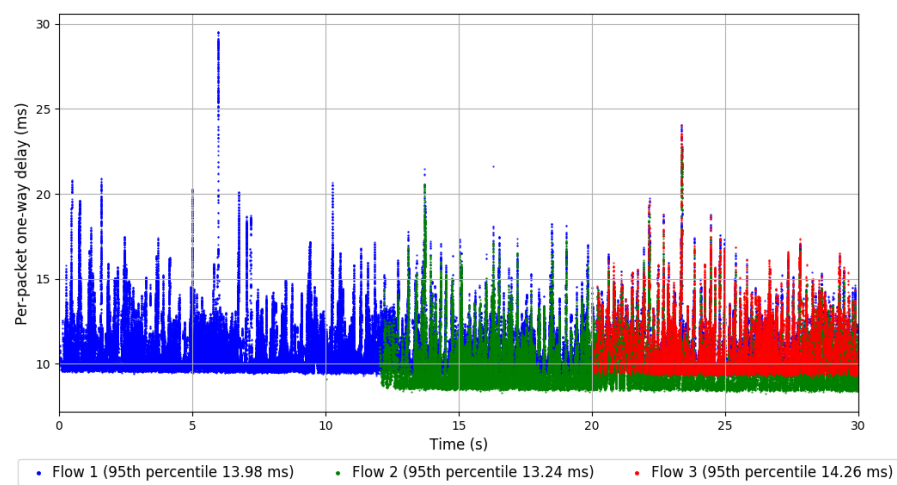
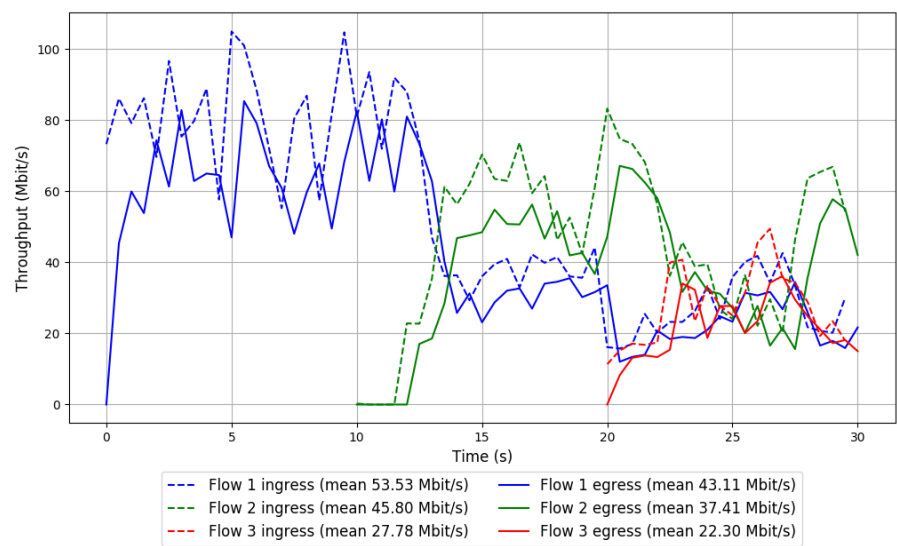


Run 2: Statistics of Copa

Start at: 2018-07-03 18:52:44
End at: 2018-07-03 18:53:14
Local clock offset: -5.811 ms
Remote clock offset: -4.876 ms

Below is generated by plot.py at 2018-07-03 21:43:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 13.789 ms
Loss rate: 19.13%
-- Flow 1:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 13.985 ms
Loss rate: 19.47%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 13.245 ms
Loss rate: 18.34%
-- Flow 3:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 14.257 ms
Loss rate: 19.75%

Run 2: Report of Copa — Data Link

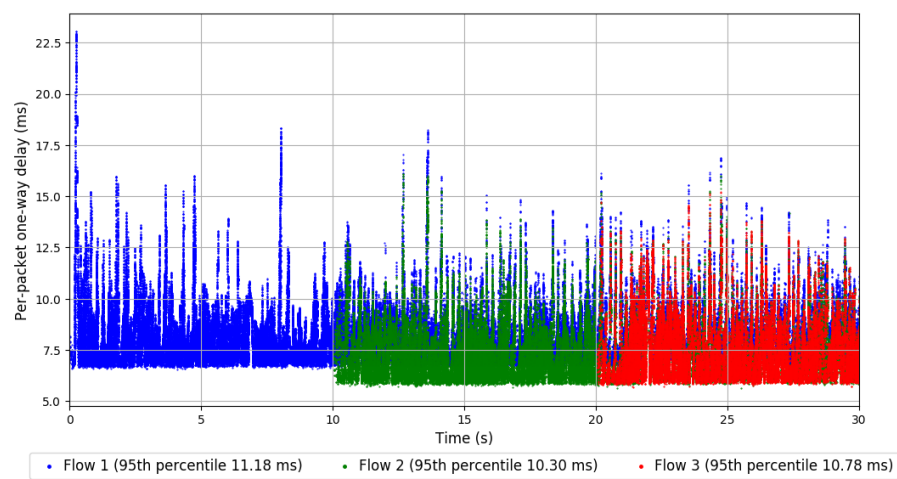
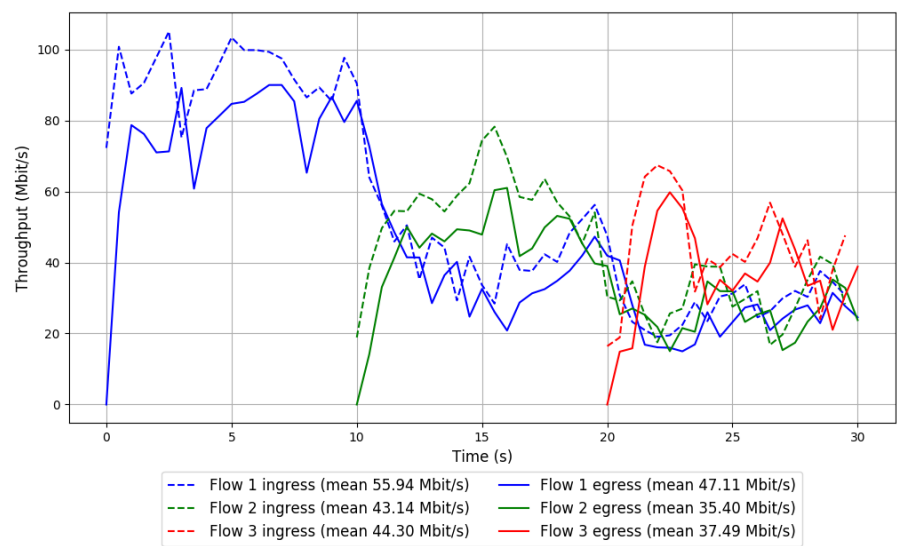


Run 3: Statistics of Copa

Start at: 2018-07-03 19:12:30
End at: 2018-07-03 19:13:00
Local clock offset: 0.786 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-07-03 21:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 10.873 ms
Loss rate: 16.35%
-- Flow 1:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 11.175 ms
Loss rate: 15.79%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 10.297 ms
Loss rate: 17.94%
-- Flow 3:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 10.778 ms
Loss rate: 15.37%

Run 3: Report of Copa — Data Link

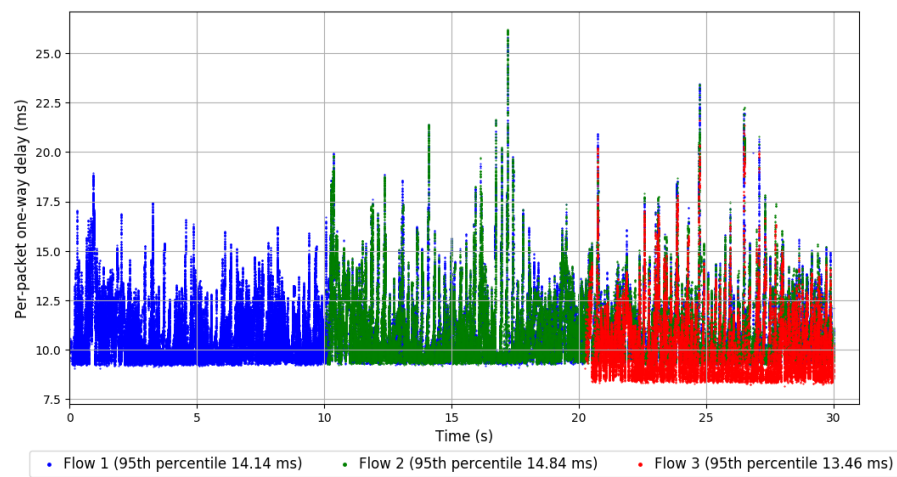
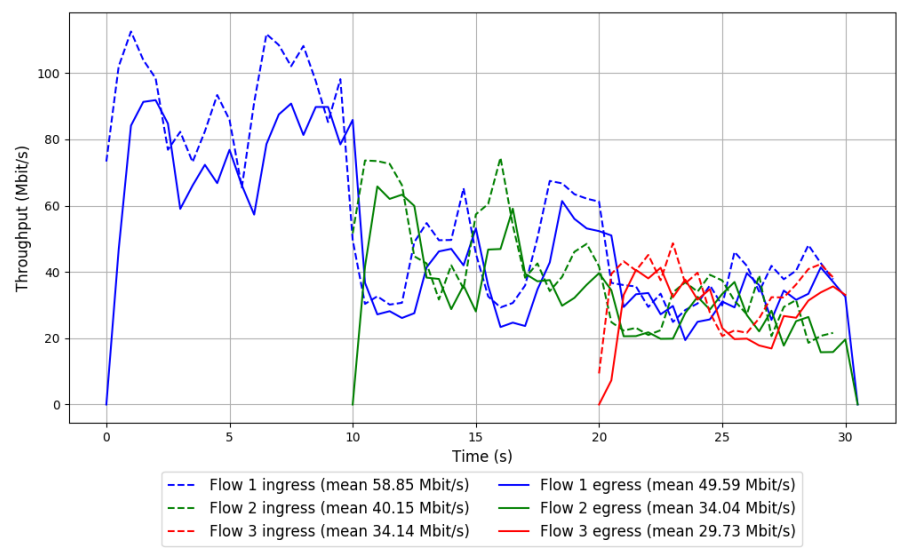


Run 4: Statistics of Copa

Start at: 2018-07-03 19:32:35
End at: 2018-07-03 19:33:05
Local clock offset: 1.994 ms
Remote clock offset: -9.289 ms

Below is generated by plot.py at 2018-07-03 21:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 14.296 ms
Loss rate: 15.47%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 14.141 ms
Loss rate: 15.74%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 14.838 ms
Loss rate: 15.22%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 13.462 ms
Loss rate: 14.67%

Run 4: Report of Copa — Data Link

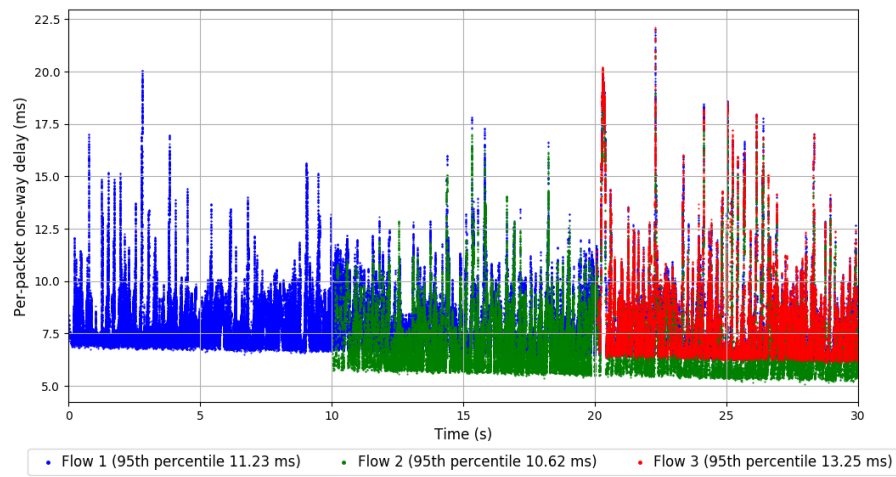
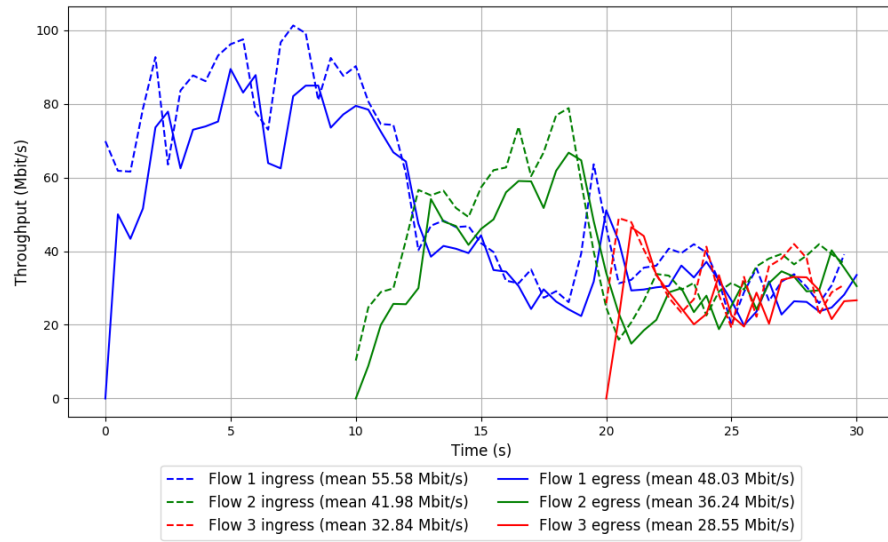


Run 5: Statistics of Copa

Start at: 2018-07-03 19:52:36
End at: 2018-07-03 19:53:06
Local clock offset: -2.567 ms
Remote clock offset: -13.309 ms

Below is generated by plot.py at 2018-07-03 21:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.65 Mbit/s
95th percentile per-packet one-way delay: 11.222 ms
Loss rate: 13.56%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 11.226 ms
Loss rate: 13.59%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 10.623 ms
Loss rate: 13.68%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 13.246 ms
Loss rate: 13.09%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-03 20:12:29

End at: 2018-07-03 20:12:59

Local clock offset: 1.3 ms

Remote clock offset: -2.55 ms

Below is generated by plot.py at 2018-07-03 21:44:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 10.769 ms

Loss rate: 12.29%

-- Flow 1:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 11.43%

-- Flow 2:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 10.465 ms

Loss rate: 13.35%

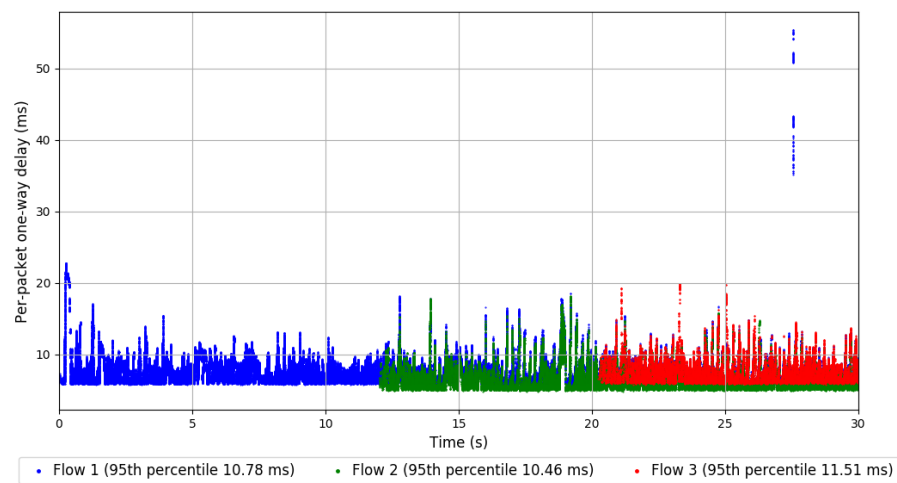
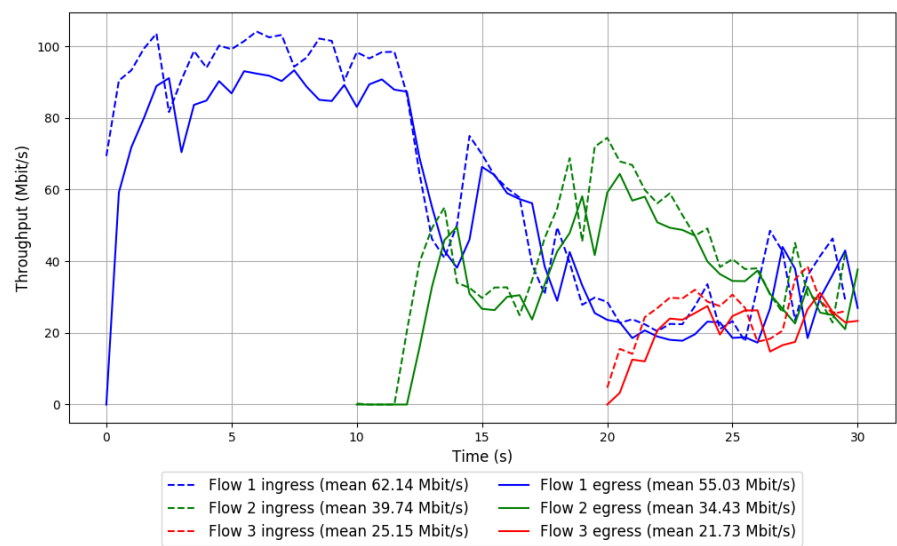
-- Flow 3:

Average throughput: 21.73 Mbit/s

95th percentile per-packet one-way delay: 11.508 ms

Loss rate: 15.32%

Run 6: Report of Copa — Data Link

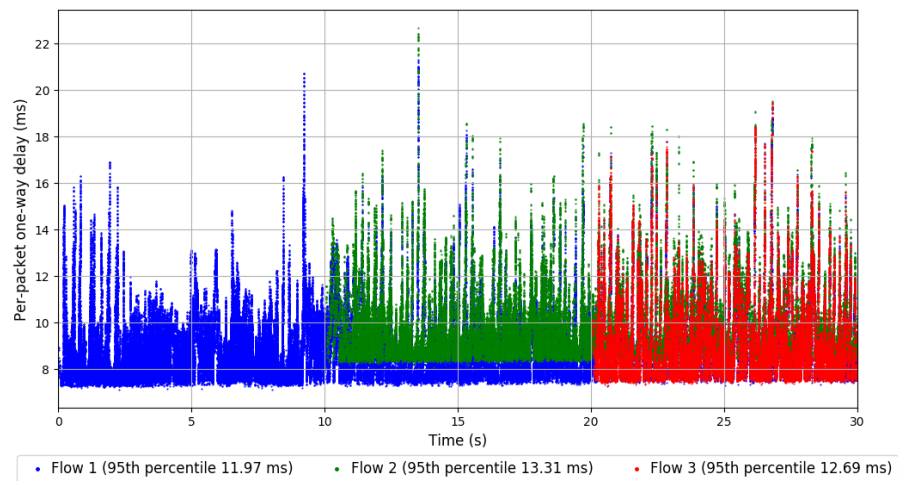
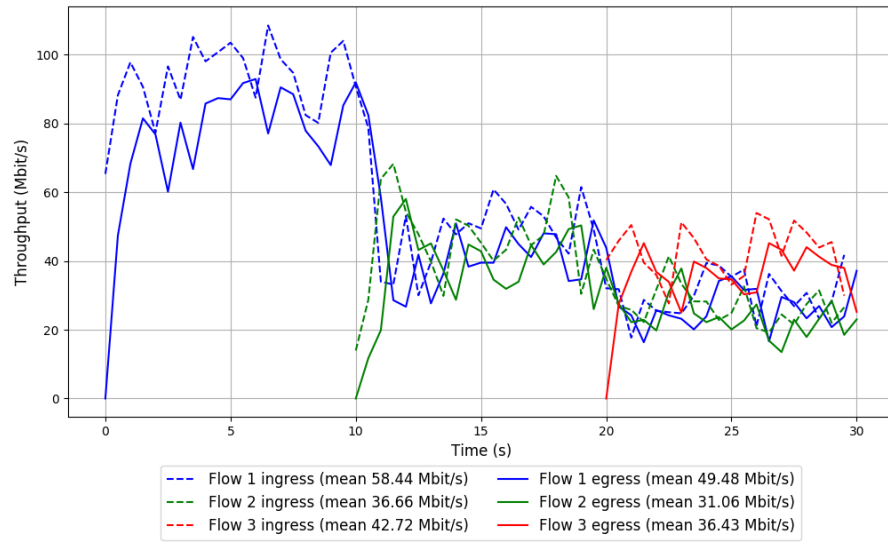


Run 7: Statistics of Copa

Start at: 2018-07-03 20:32:12
End at: 2018-07-03 20:32:42
Local clock offset: 3.143 ms
Remote clock offset: -1.423 ms

Below is generated by plot.py at 2018-07-03 21:44:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 12.529 ms
Loss rate: 15.24%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 11.967 ms
Loss rate: 15.33%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 13.306 ms
Loss rate: 15.30%
-- Flow 3:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 12.687 ms
Loss rate: 14.74%

Run 7: Report of Copa — Data Link

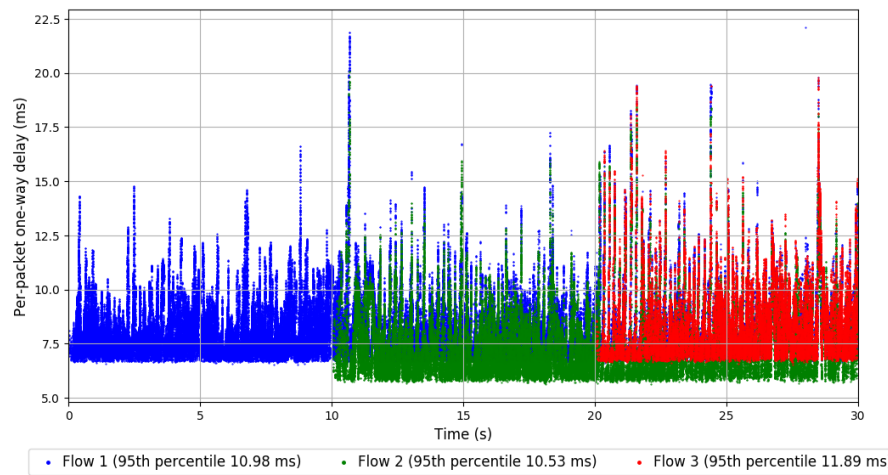
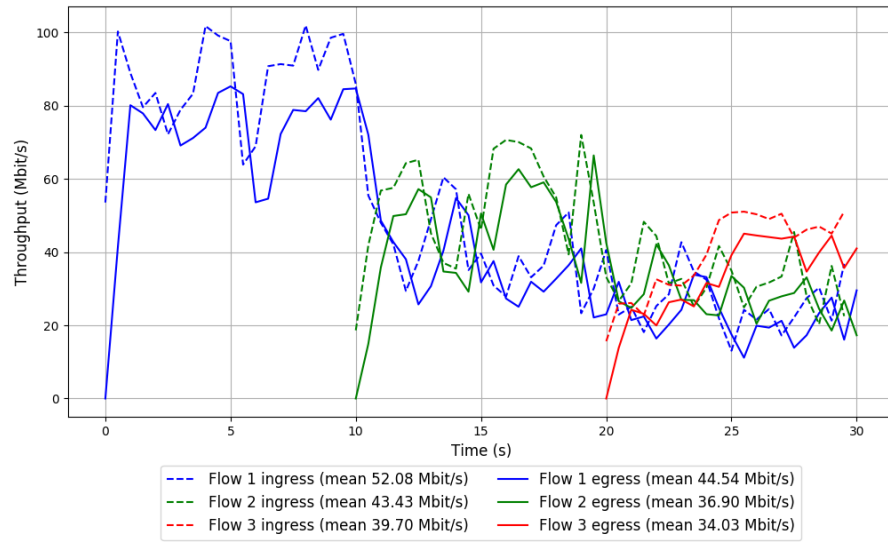


Run 8: Statistics of Copa

Start at: 2018-07-03 20:52:28
End at: 2018-07-03 20:52:58
Local clock offset: 1.784 ms
Remote clock offset: -2.097 ms

Below is generated by plot.py at 2018-07-03 21:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.43 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 14.63%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 10.978 ms
Loss rate: 14.48%
-- Flow 2:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 10.534 ms
Loss rate: 15.04%
-- Flow 3:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 11.887 ms
Loss rate: 14.30%

Run 8: Report of Copa — Data Link

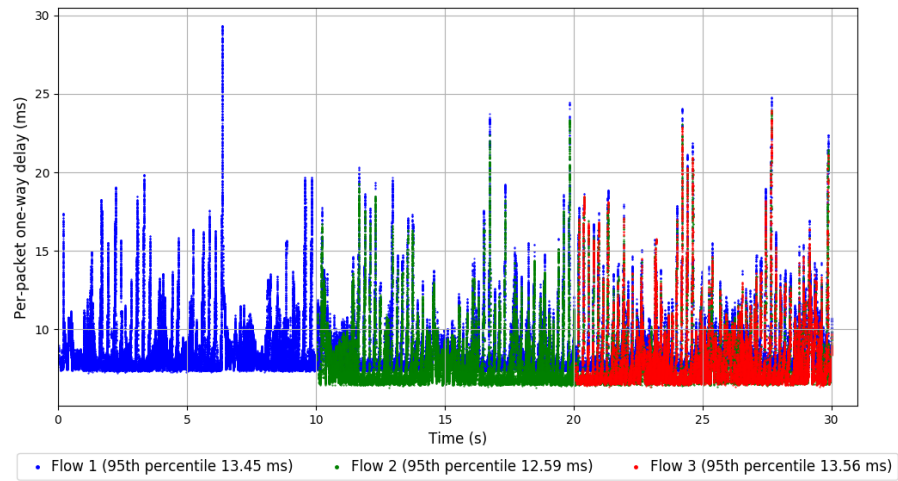
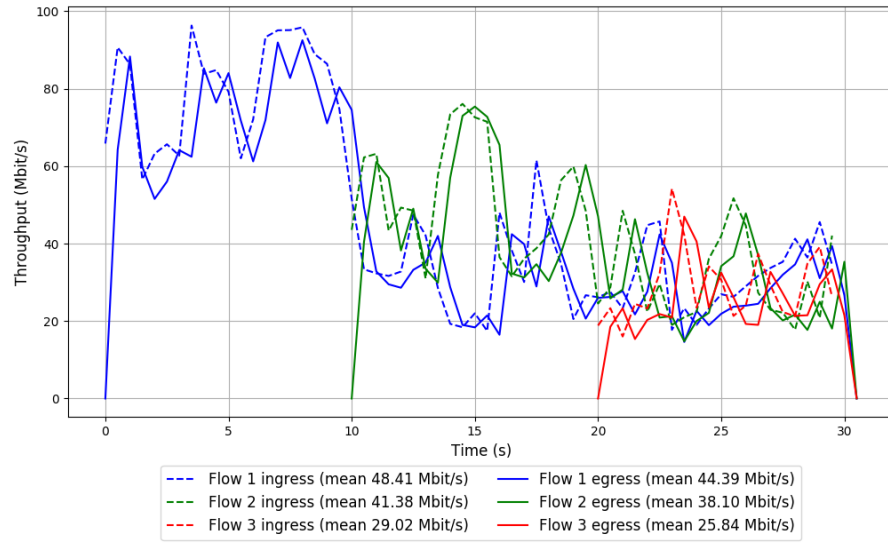


Run 9: Statistics of Copa

Start at: 2018-07-03 21:12:56
End at: 2018-07-03 21:13:26
Local clock offset: 2.207 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-07-03 21:45:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 13.169 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 13.446 ms
Loss rate: 8.29%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 12.587 ms
Loss rate: 7.93%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 13.557 ms
Loss rate: 10.96%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-03 21:32:56

End at: 2018-07-03 21:33:26

Local clock offset: 2.376 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-03 21:45:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 11.579 ms

Loss rate: 13.83%

-- Flow 1:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 11.203 ms

Loss rate: 14.37%

-- Flow 2:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 11.667 ms

Loss rate: 13.44%

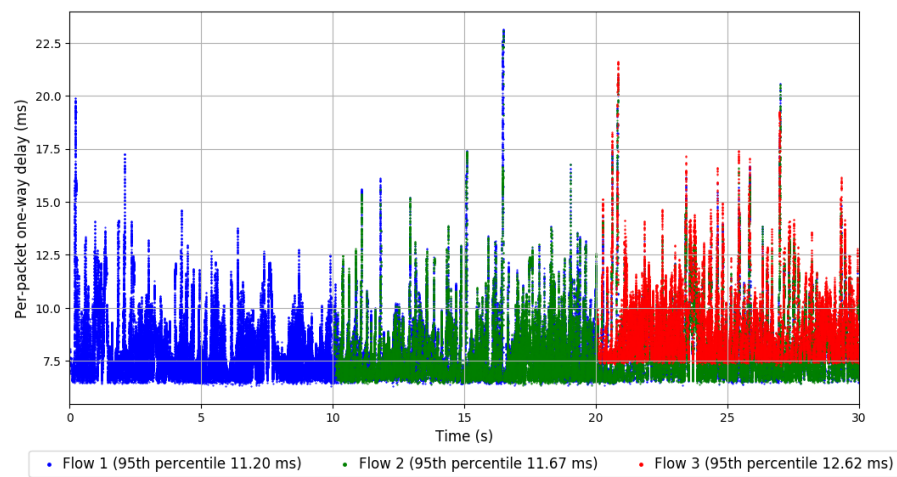
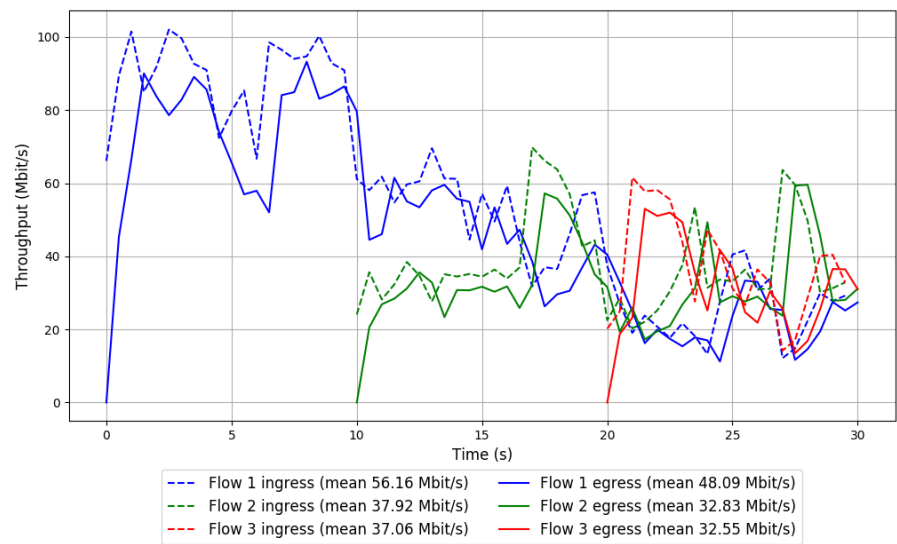
-- Flow 3:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 12.625 ms

Loss rate: 12.19%

Run 10: Report of Copa — Data Link

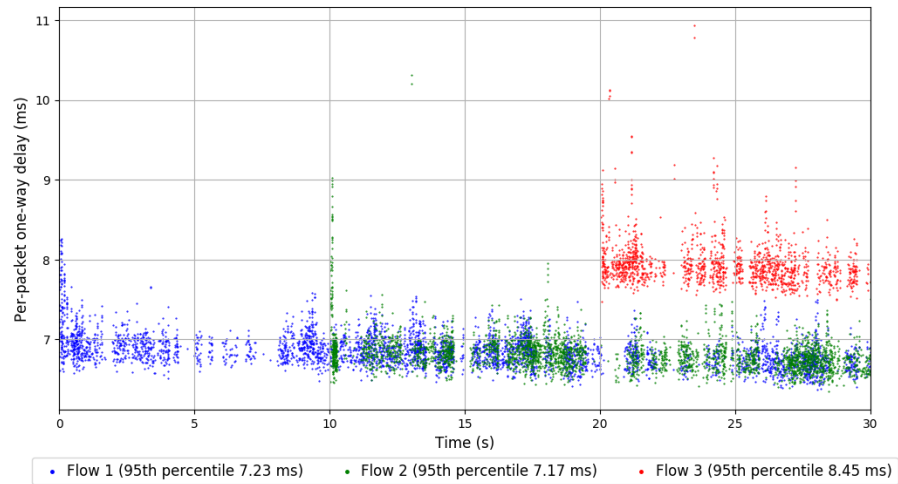
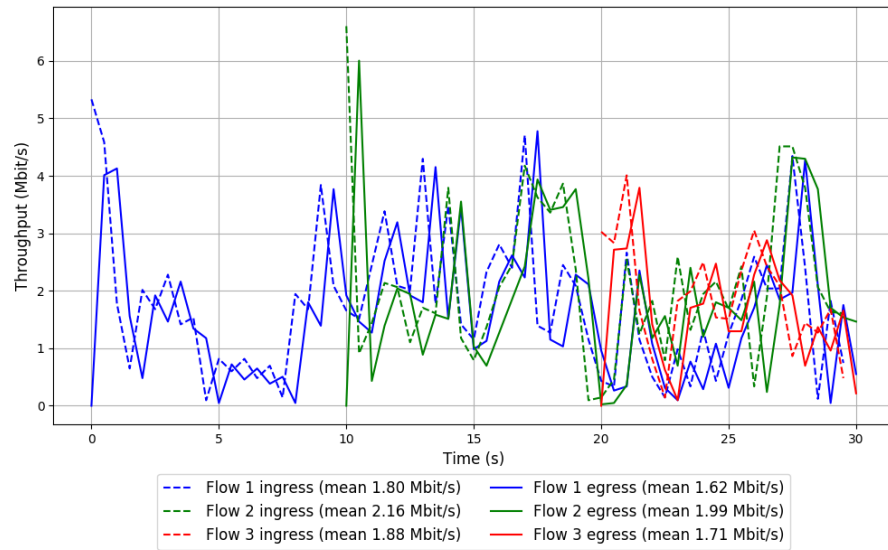


Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 18:34:59
End at: 2018-07-03 18:35:29
Local clock offset: 0.851 ms
Remote clock offset: -9.776 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 7.998 ms
Loss rate: 8.91%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 7.231 ms
Loss rate: 9.64%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 7.167 ms
Loss rate: 7.91%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 8.447 ms
Loss rate: 9.09%

Run 1: Report of TCP Cubic — Data Link

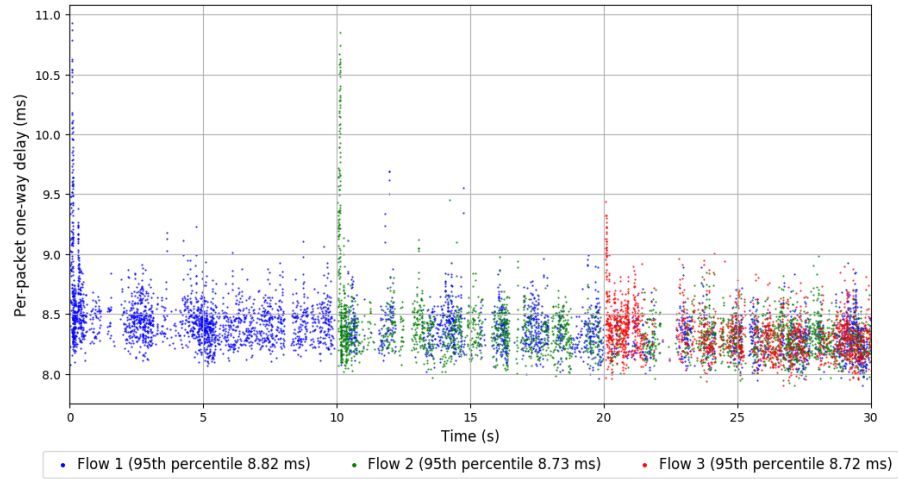
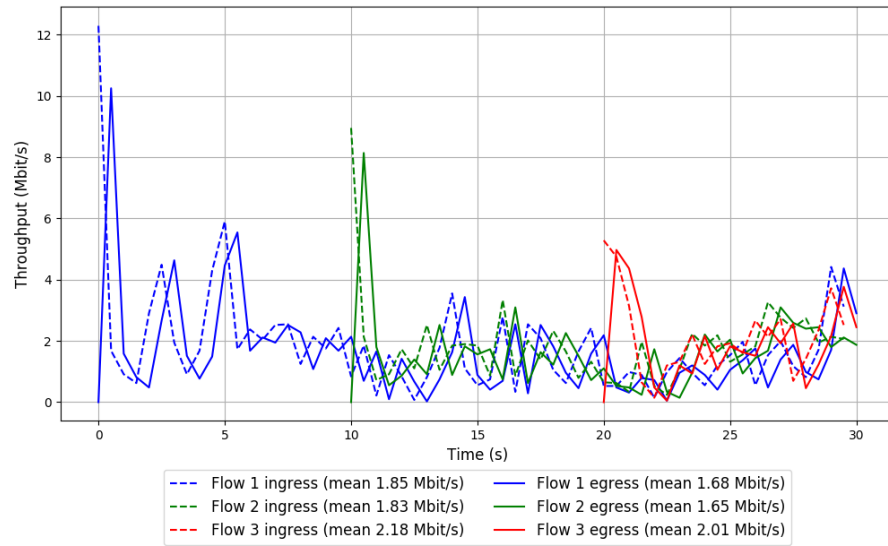


Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 18:55:08
End at: 2018-07-03 18:55:38
Local clock offset: -6.243 ms
Remote clock offset: -4.737 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 8.784 ms
Loss rate: 9.12%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 8.823 ms
Loss rate: 8.99%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 8.730 ms
Loss rate: 9.89%
-- Flow 3:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 8.717 ms
Loss rate: 8.16%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 19:14:58

End at: 2018-07-03 19:15:28

Local clock offset: 0.987 ms

Remote clock offset: -1.85 ms

Below is generated by plot.py at 2018-07-03 21:45:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 7.481 ms

Loss rate: 5.51%

-- Flow 1:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 8.914 ms

Loss rate: 5.50%

-- Flow 2:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 6.580 ms

Loss rate: 5.50%

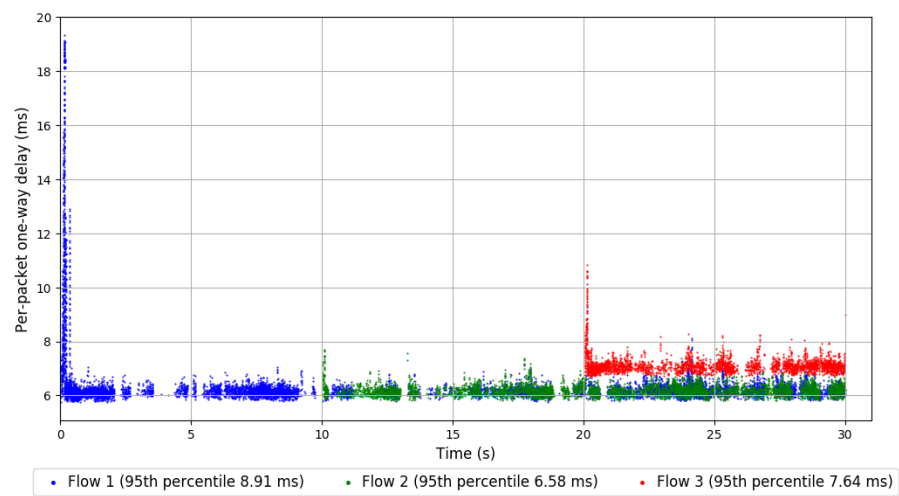
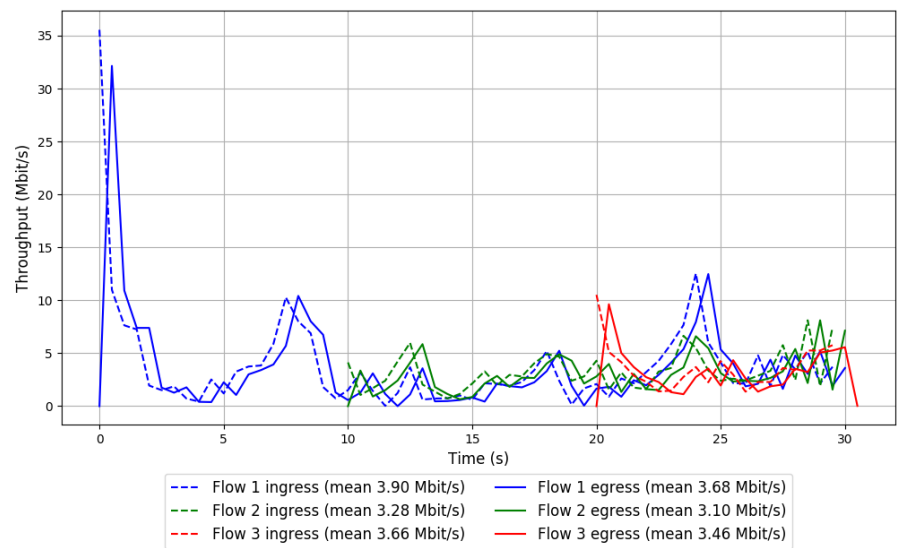
-- Flow 3:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 7.636 ms

Loss rate: 5.52%

Run 3: Report of TCP Cubic — Data Link

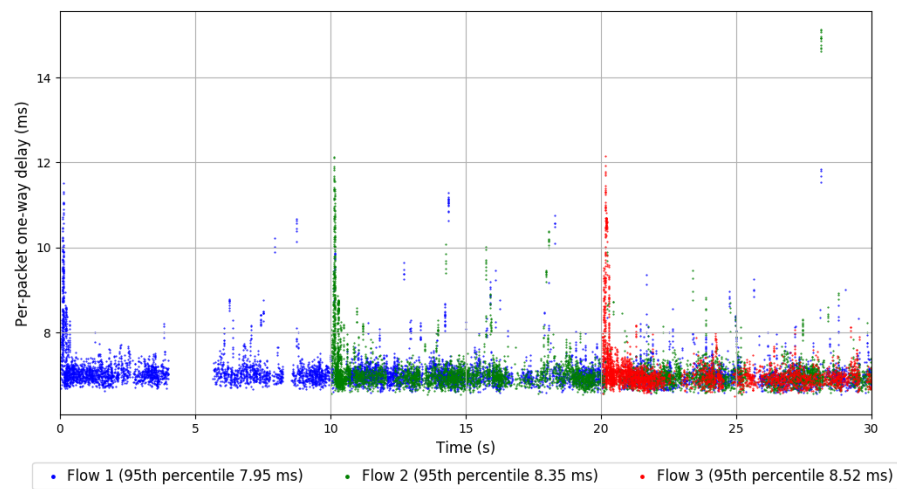
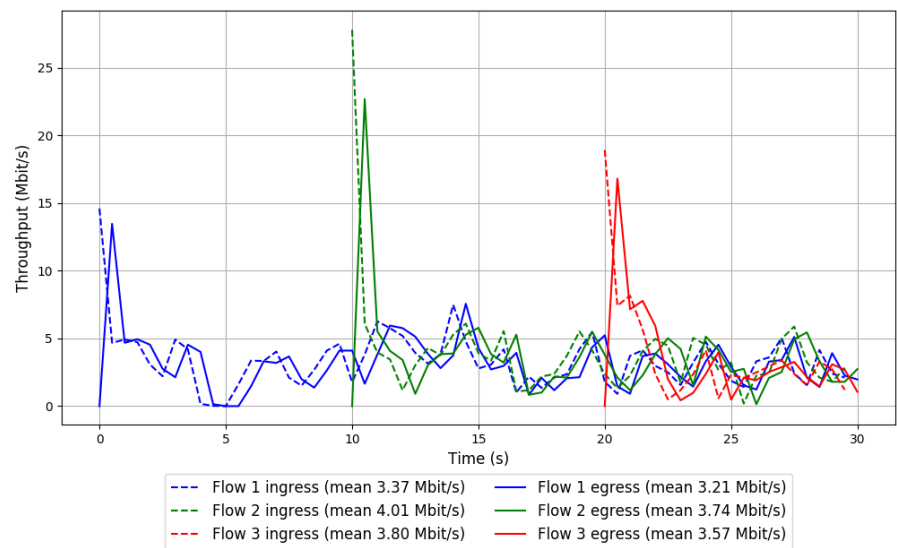


Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 19:34:56
End at: 2018-07-03 19:35:26
Local clock offset: 2.015 ms
Remote clock offset: -11.296 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 8.154 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 7.953 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 8.353 ms
Loss rate: 6.83%
-- Flow 3:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 8.522 ms
Loss rate: 6.06%

Run 4: Report of TCP Cubic — Data Link

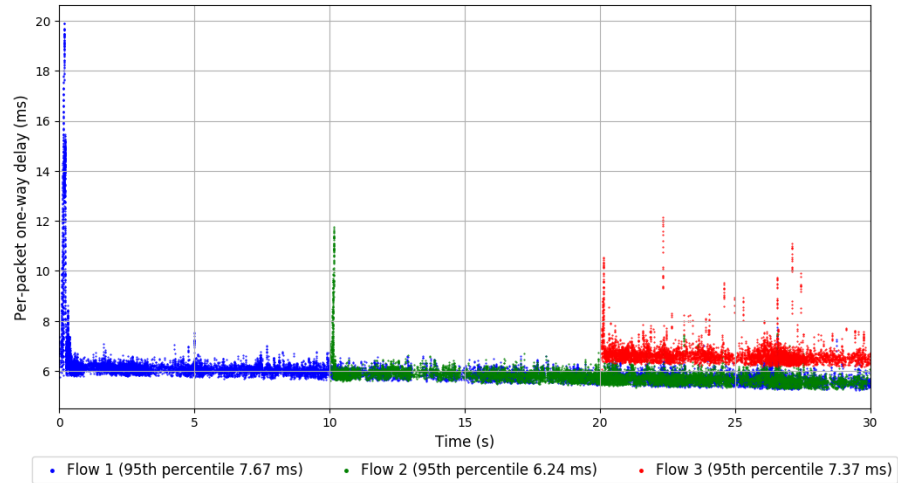
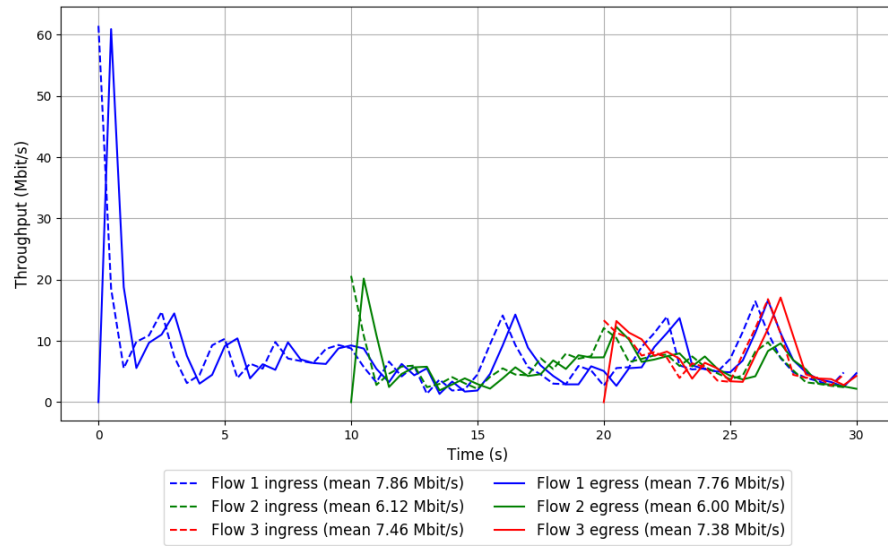


Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 19:54:56
End at: 2018-07-03 19:55:26
Local clock offset: -1.889 ms
Remote clock offset: -9.485 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 7.145 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 7.667 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 6.238 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 7.374 ms
Loss rate: 1.13%

Run 5: Report of TCP Cubic — Data Link

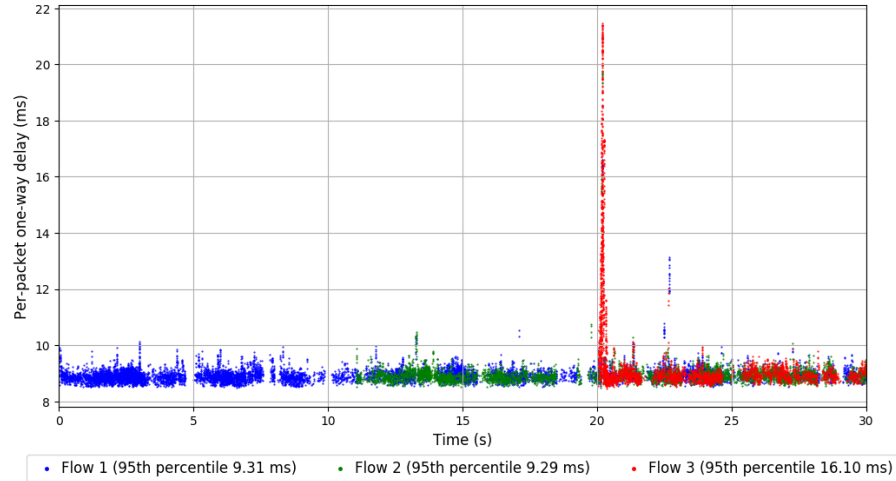
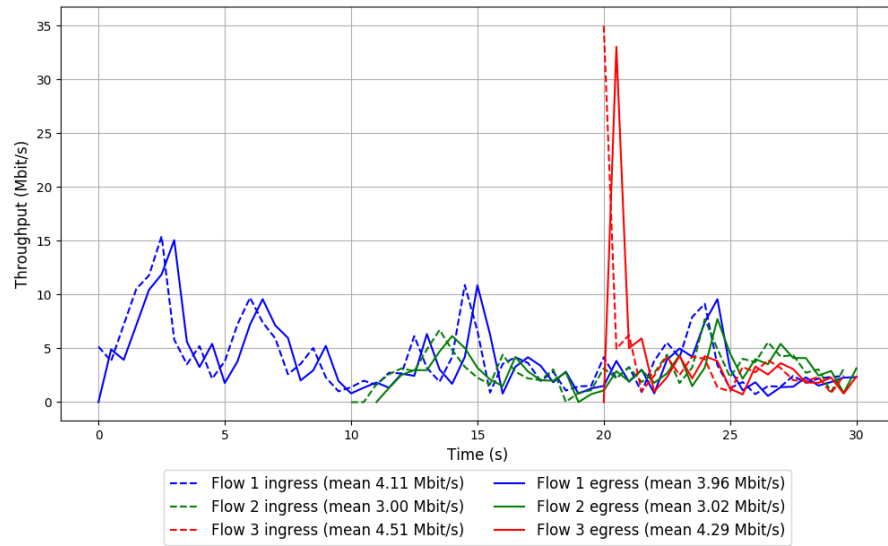


Run 6: Statistics of TCP Cubic

Start at: 2018-07-03 20:14:52
End at: 2018-07-03 20:15:22
Local clock offset: -0.237 ms
Remote clock offset: -0.698 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 9.646 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 9.315 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 9.293 ms
Loss rate: 4.50%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 16.098 ms
Loss rate: 4.89%

Run 6: Report of TCP Cubic — Data Link

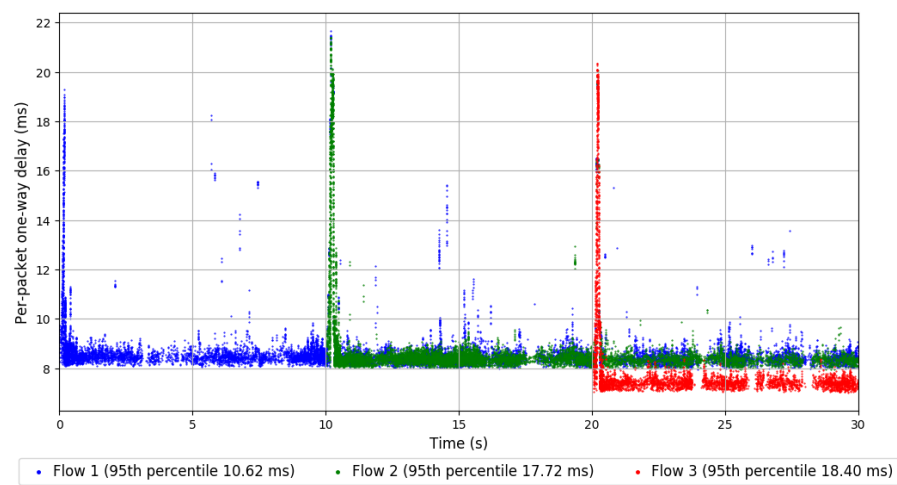
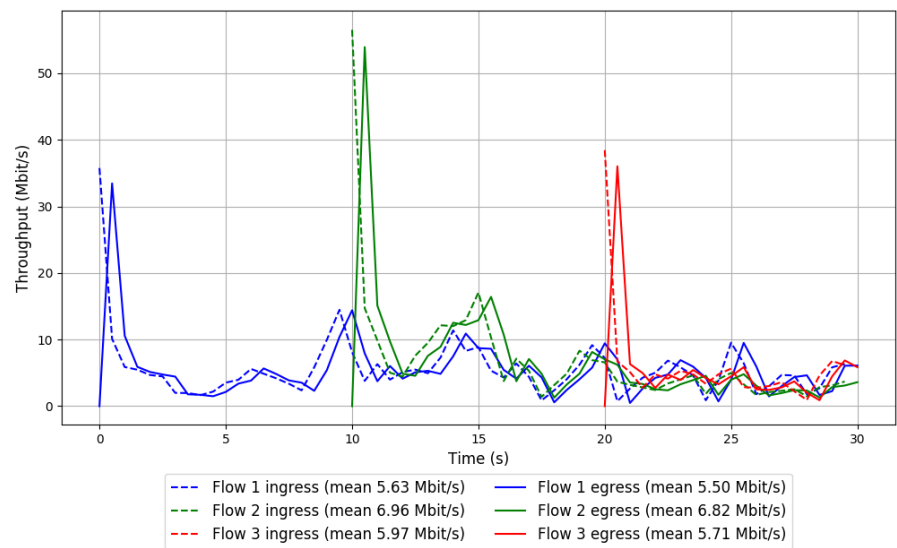


Run 7: Statistics of TCP Cubic

Start at: 2018-07-03 20:34:33
End at: 2018-07-03 20:35:03
Local clock offset: 2.542 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 15.405 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 10.624 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 17.721 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 18.399 ms
Loss rate: 4.36%

Run 7: Report of TCP Cubic — Data Link

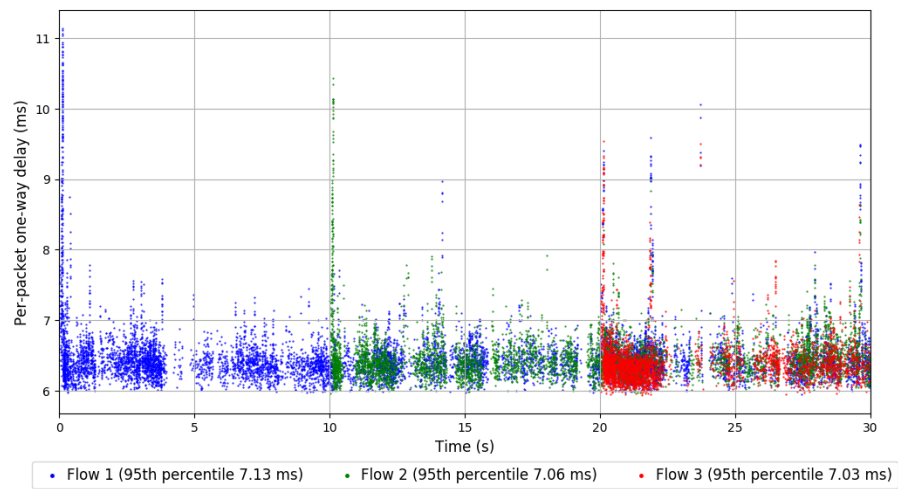
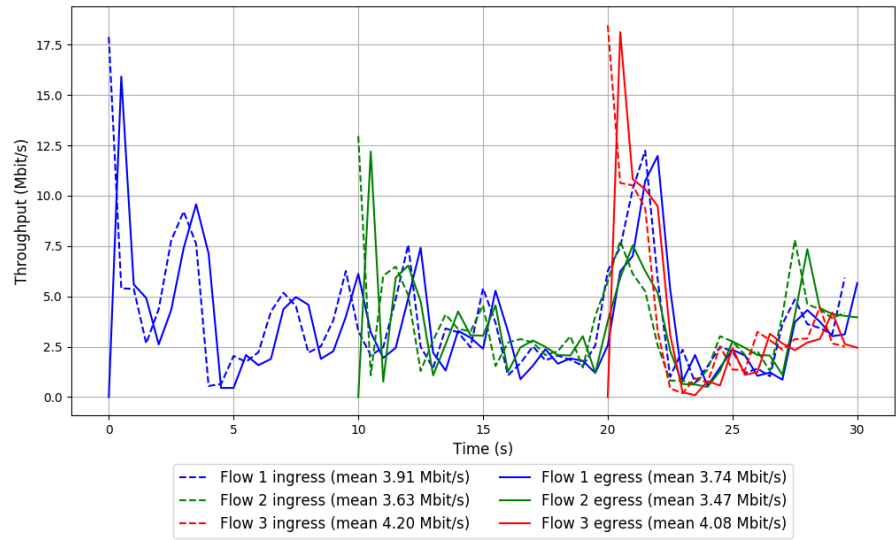


Run 8: Statistics of TCP Cubic

Start at: 2018-07-03 20:55:00
End at: 2018-07-03 20:55:30
Local clock offset: 1.055 ms
Remote clock offset: -2.447 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 7.092 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 7.126 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 7.059 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 7.029 ms
Loss rate: 2.75%

Run 8: Report of TCP Cubic — Data Link

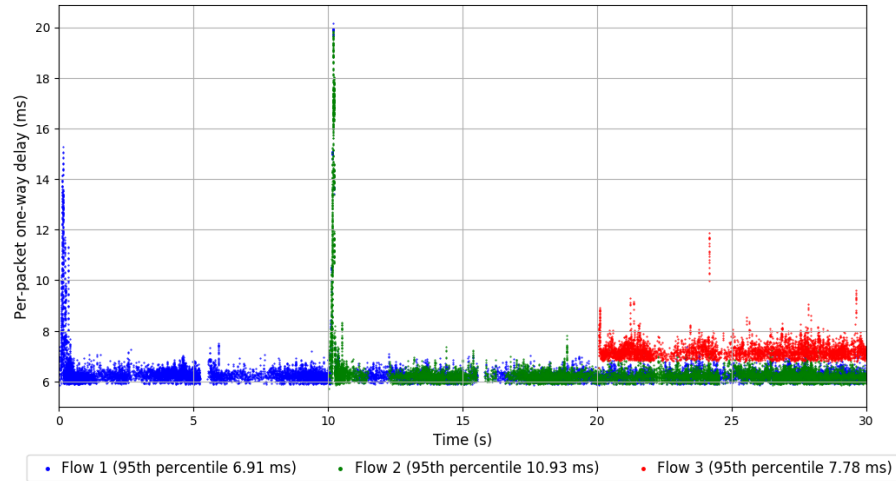
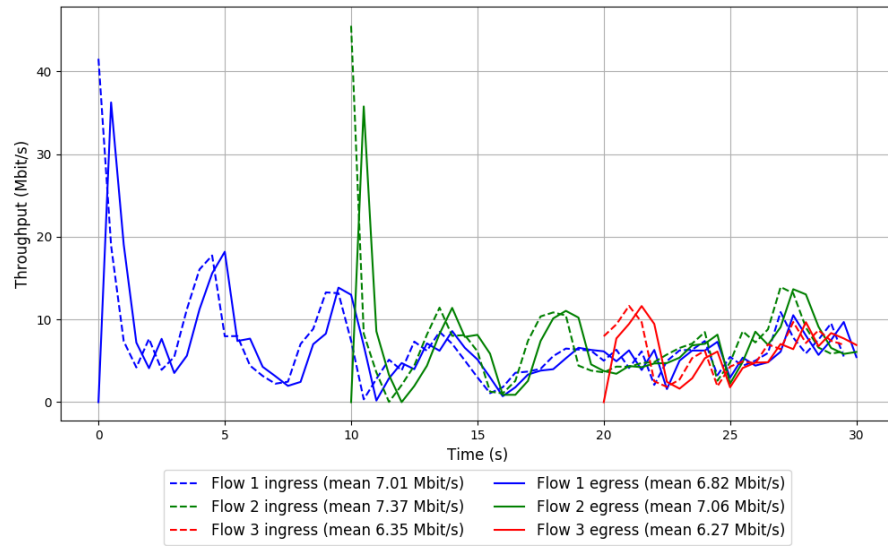


Run 9: Statistics of TCP Cubic

Start at: 2018-07-03 21:15:15
End at: 2018-07-03 21:15:45
Local clock offset: 2.126 ms
Remote clock offset: -1.053 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 7.688 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 6.911 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 10.932 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 7.779 ms
Loss rate: 1.16%

Run 9: Report of TCP Cubic — Data Link

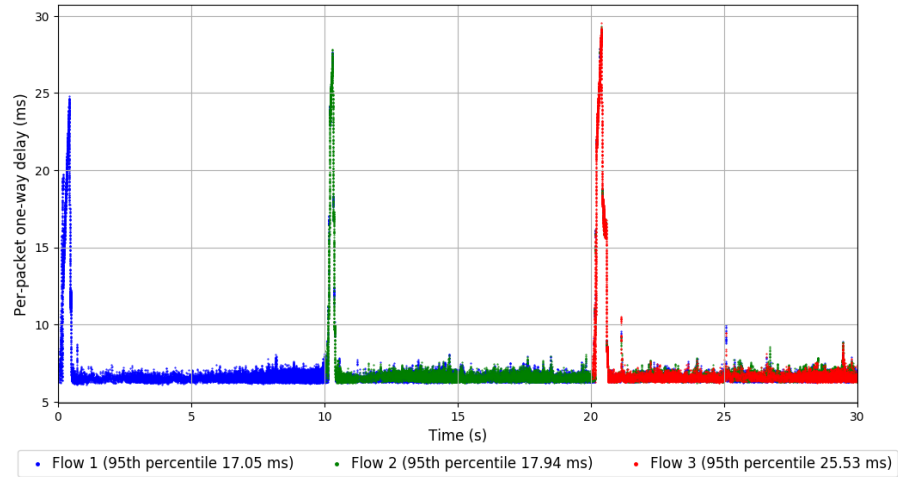
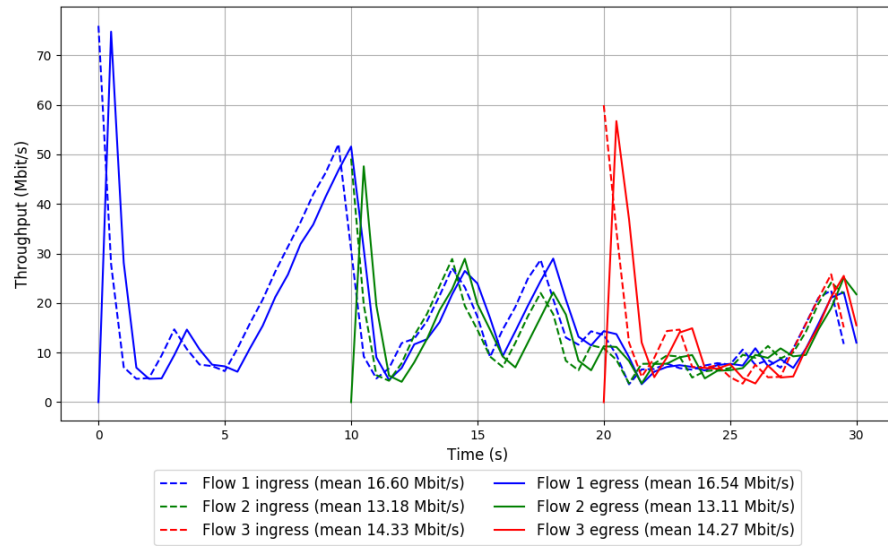


Run 10: Statistics of TCP Cubic

Start at: 2018-07-03 21:35:21
End at: 2018-07-03 21:35:51
Local clock offset: 2.562 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 17.053 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 17.938 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 25.528 ms
Loss rate: 0.48%

Run 10: Report of TCP Cubic — Data Link

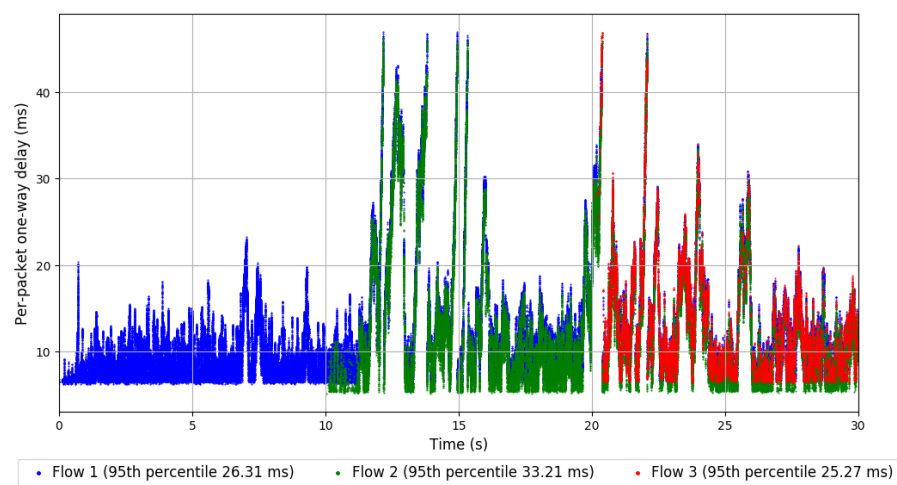
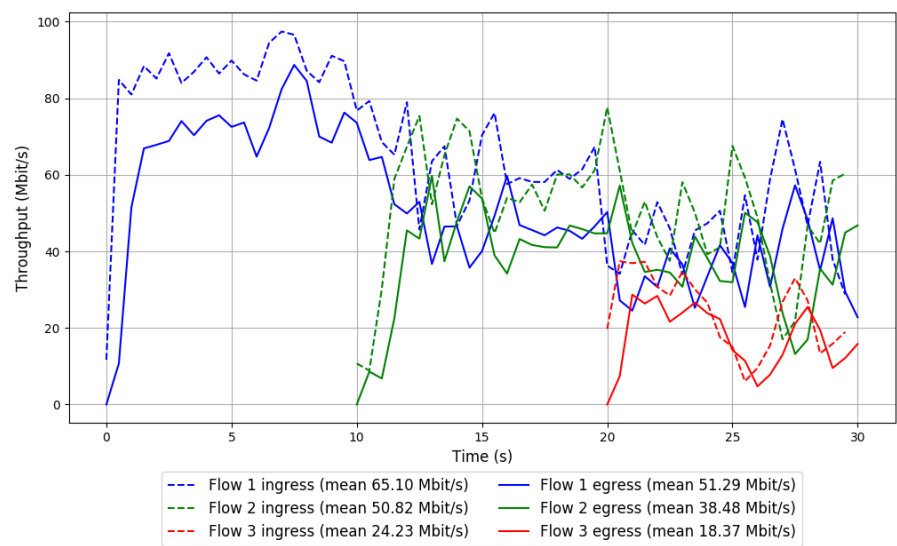


Run 1: Statistics of FillP

Start at: 2018-07-03 18:19:44
End at: 2018-07-03 18:20:14
Local clock offset: 3.827 ms
Remote clock offset: -6.863 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 28.918 ms
Loss rate: 22.41%
-- Flow 1:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 26.308 ms
Loss rate: 21.20%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 33.207 ms
Loss rate: 24.27%
-- Flow 3:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 25.270 ms
Loss rate: 24.32%

Run 1: Report of FillP — Data Link

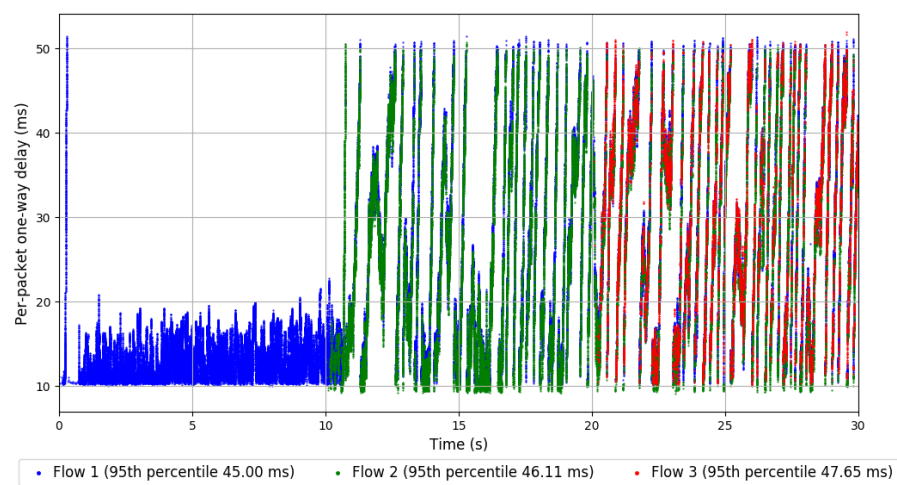
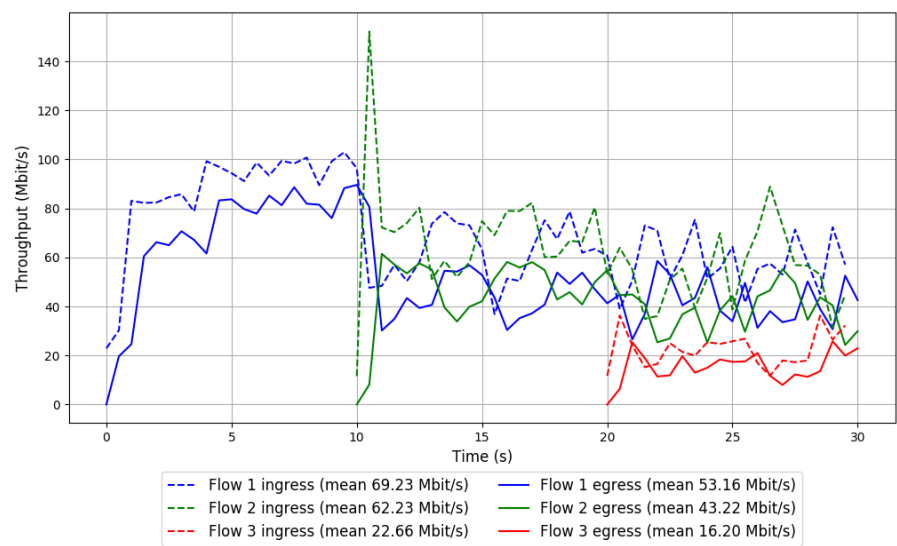


Run 2: Statistics of FillP

Start at: 2018-07-03 18:39:39
End at: 2018-07-03 18:40:09
Local clock offset: -2.559 ms
Remote clock offset: -8.842 ms

Below is generated by plot.py at 2018-07-03 21:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 45.765 ms
Loss rate: 26.04%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 44.996 ms
Loss rate: 23.14%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 46.113 ms
Loss rate: 30.45%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 47.654 ms
Loss rate: 28.52%

Run 2: Report of FillP — Data Link

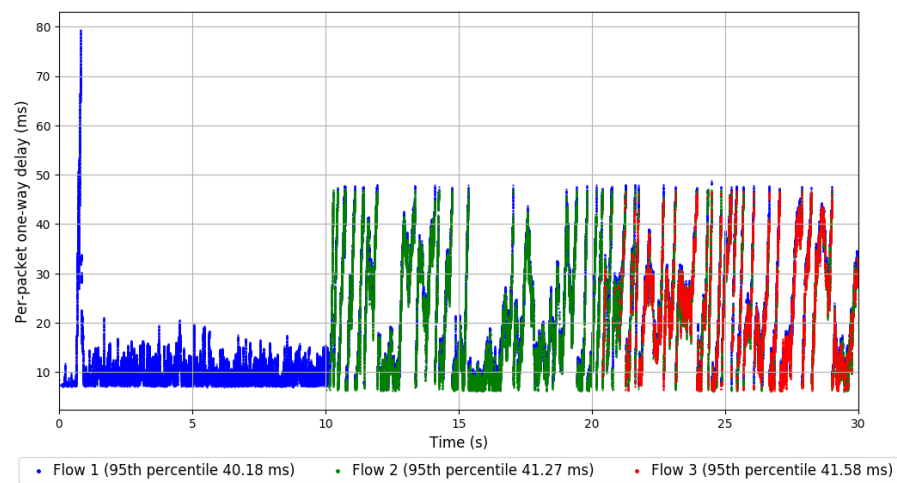
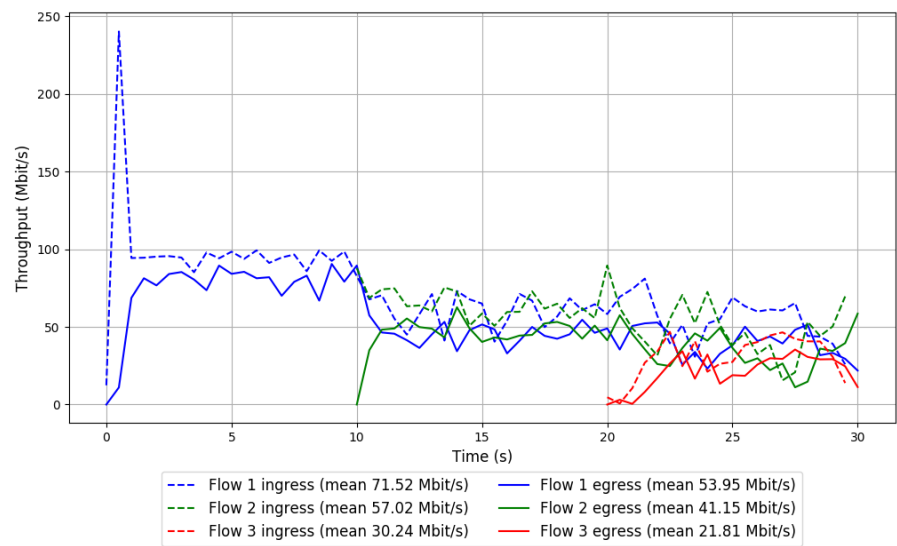


Run 3: Statistics of FillP

Start at: 2018-07-03 18:59:47
End at: 2018-07-03 19:00:17
Local clock offset: -4.482 ms
Remote clock offset: -3.039 ms

Below is generated by plot.py at 2018-07-03 21:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 40.762 ms
Loss rate: 25.82%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 40.177 ms
Loss rate: 24.51%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 41.274 ms
Loss rate: 27.77%
-- Flow 3:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 41.580 ms
Loss rate: 27.82%

Run 3: Report of FillP — Data Link

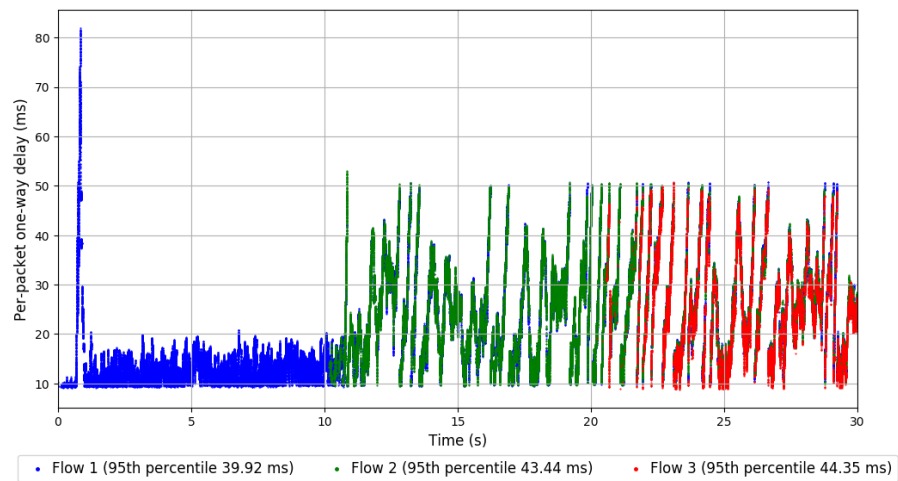
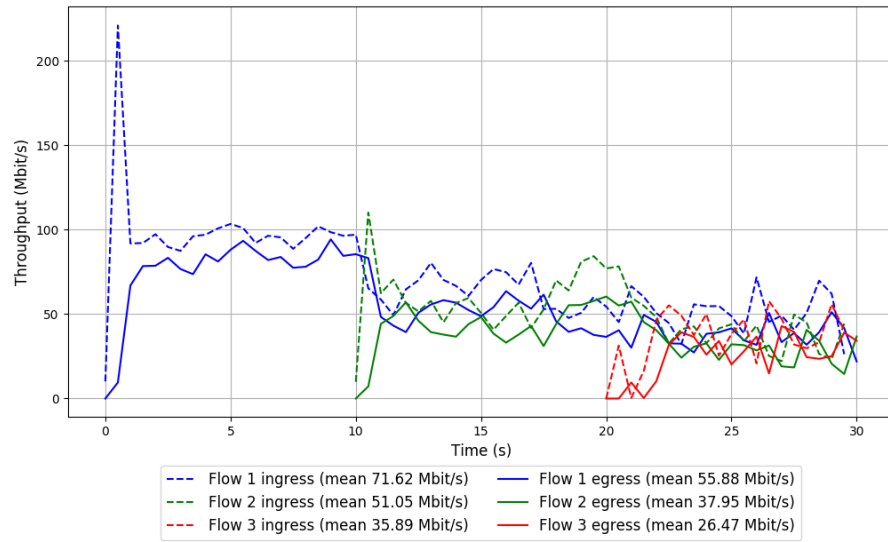


Run 4: Statistics of FillP

Start at: 2018-07-03 19:19:56
End at: 2018-07-03 19:20:26
Local clock offset: -0.817 ms
Remote clock offset: -3.811 ms

Below is generated by plot.py at 2018-07-03 21:46:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 41.990 ms
Loss rate: 23.59%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 39.920 ms
Loss rate: 21.93%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 43.441 ms
Loss rate: 25.64%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 44.346 ms
Loss rate: 27.70%

Run 4: Report of FillP — Data Link

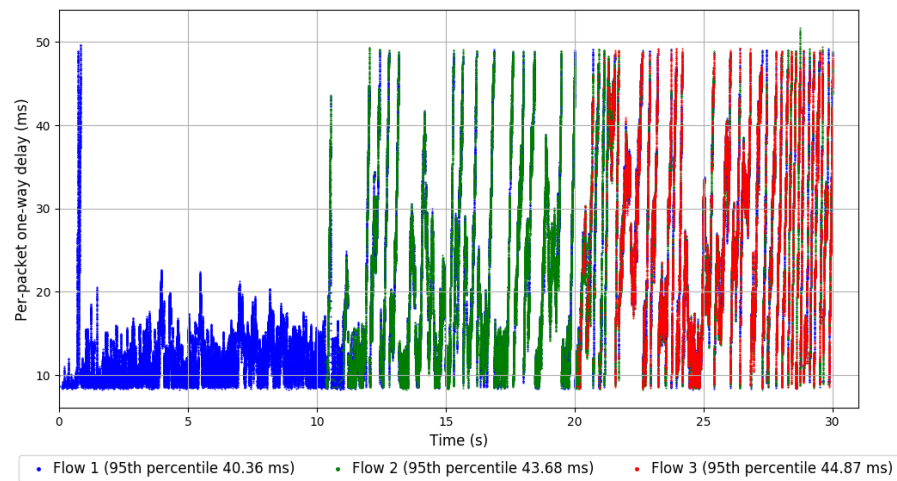
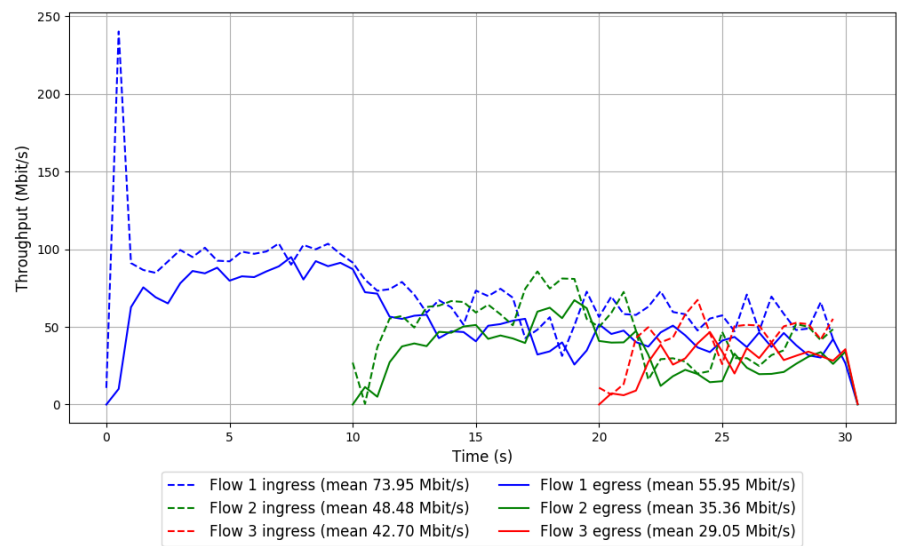


Run 5: Statistics of FillP

Start at: 2018-07-03 19:39:41
End at: 2018-07-03 19:40:11
Local clock offset: -1.95 ms
Remote clock offset: -11.572 ms

Below is generated by plot.py at 2018-07-03 21:46:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 42.542 ms
Loss rate: 26.04%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 40.356 ms
Loss rate: 24.25%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 43.680 ms
Loss rate: 27.67%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 44.870 ms
Loss rate: 31.71%

Run 5: Report of FillP — Data Link

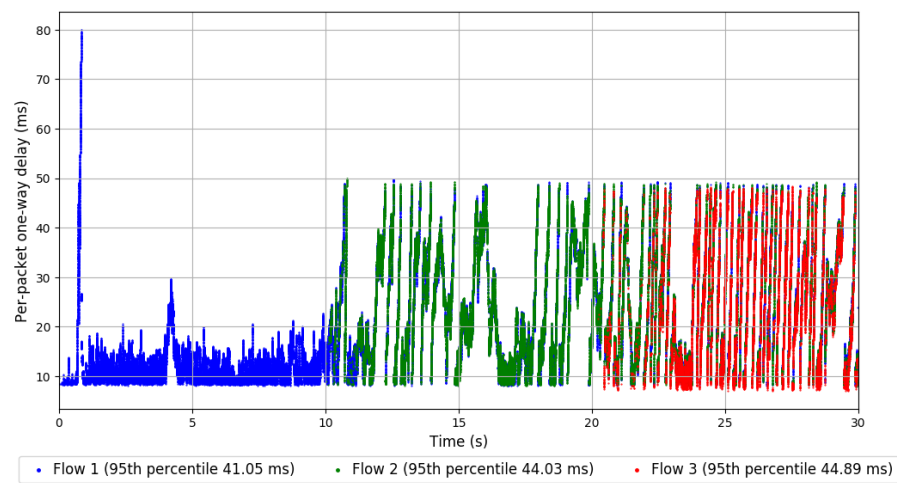
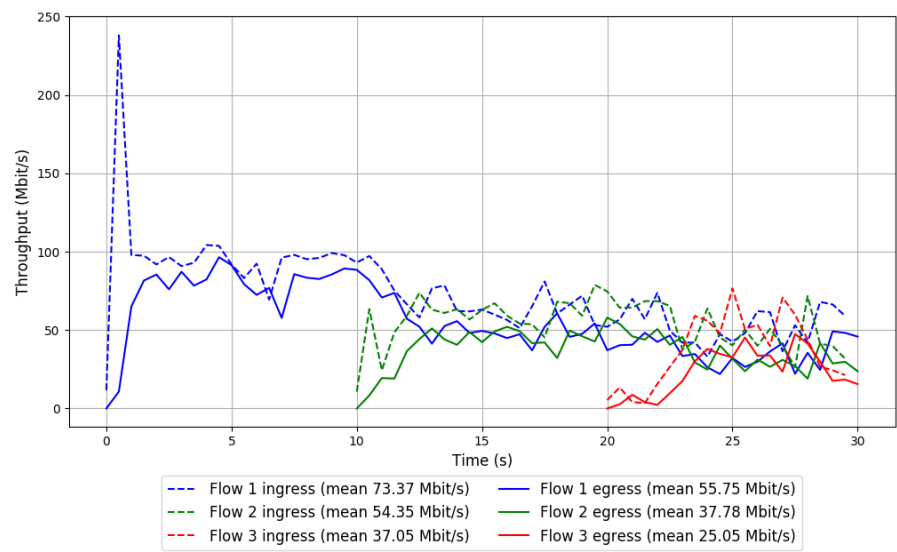


Run 6: Statistics of FillP

Start at: 2018-07-03 19:59:42
End at: 2018-07-03 20:00:12
Local clock offset: -4.233 ms
Remote clock offset: -5.467 ms

Below is generated by plot.py at 2018-07-03 21:46:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 42.833 ms
Loss rate: 26.91%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 41.047 ms
Loss rate: 23.99%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 44.034 ms
Loss rate: 30.47%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 44.891 ms
Loss rate: 33.83%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-03 20:19:27

End at: 2018-07-03 20:19:57

Local clock offset: 0.36 ms

Remote clock offset: 0.456 ms

Below is generated by plot.py at 2018-07-03 21:46:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 45.074 ms

Loss rate: 24.62%

-- Flow 1:

Average throughput: 53.97 Mbit/s

95th percentile per-packet one-way delay: 43.693 ms

Loss rate: 22.20%

-- Flow 2:

Average throughput: 35.97 Mbit/s

95th percentile per-packet one-way delay: 46.278 ms

Loss rate: 28.69%

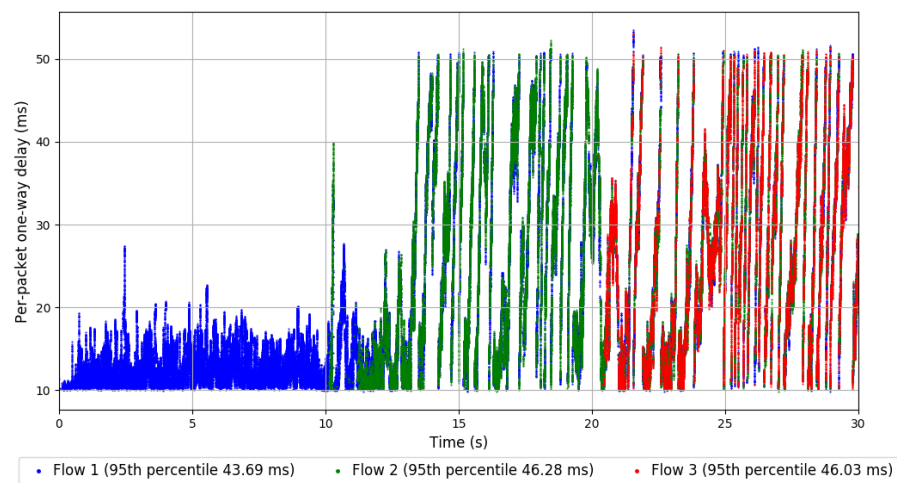
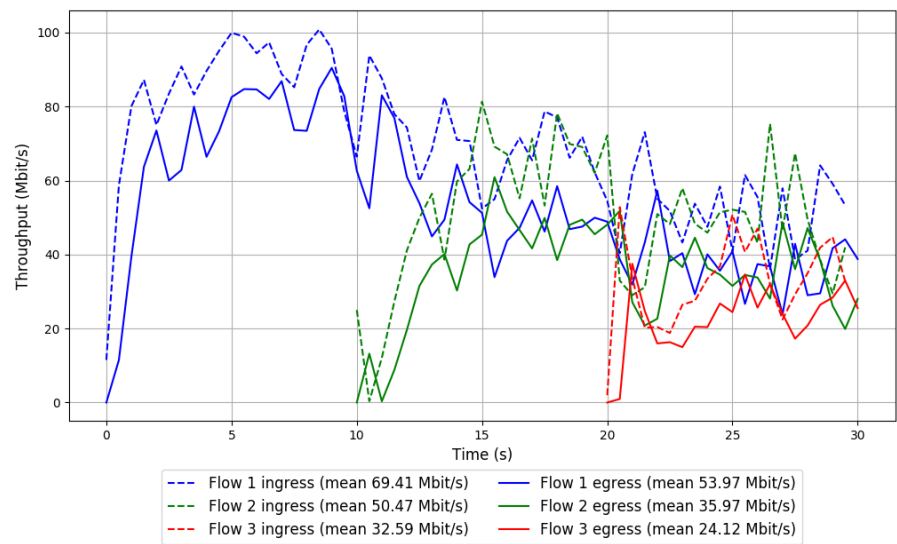
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 46.028 ms

Loss rate: 27.51%

Run 7: Report of FillP — Data Link

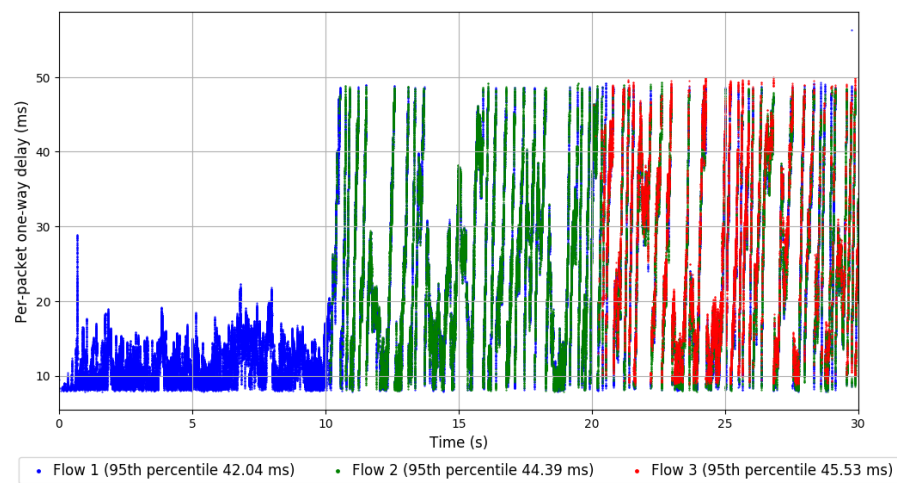
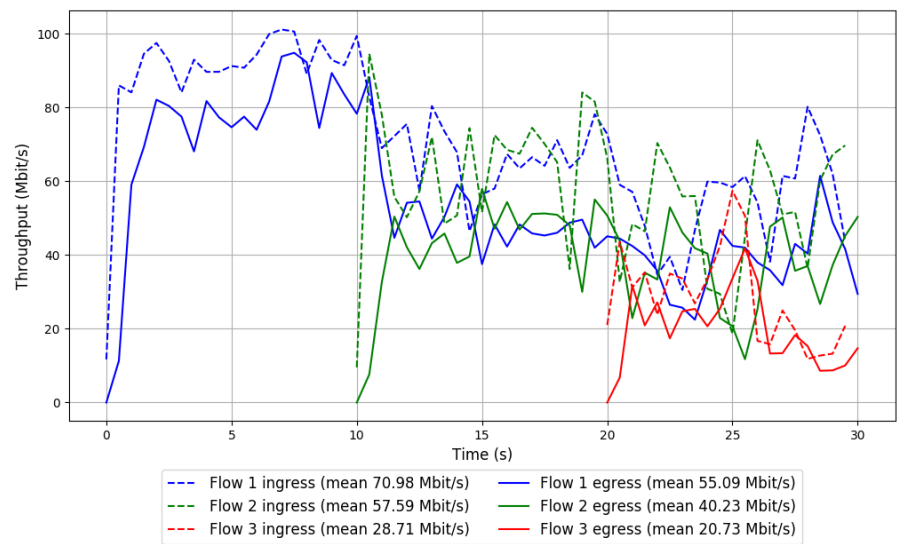


Run 8: Statistics of FillP

Start at: 2018-07-03 20:39:13
End at: 2018-07-03 20:39:43
Local clock offset: 0.27 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2018-07-03 21:47:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 43.345 ms
Loss rate: 25.27%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 22.33%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 44.388 ms
Loss rate: 30.06%
-- Flow 3:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 45.530 ms
Loss rate: 27.88%

Run 8: Report of FillP — Data Link

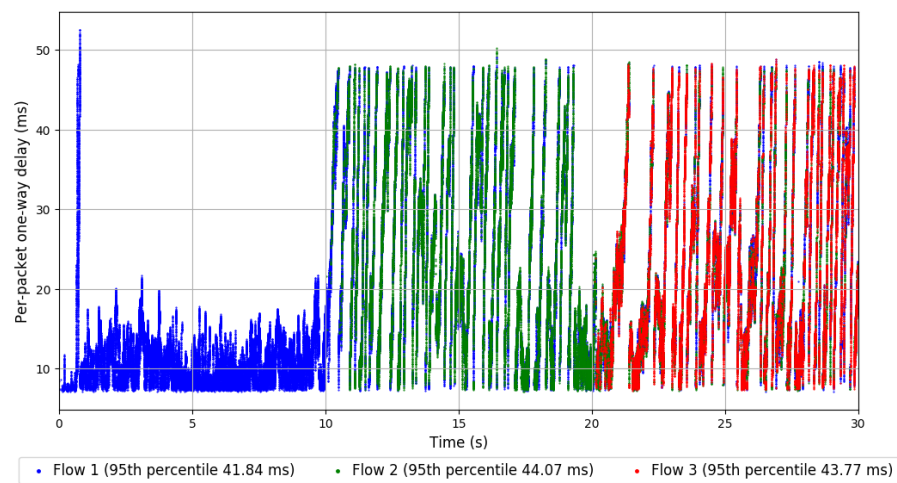
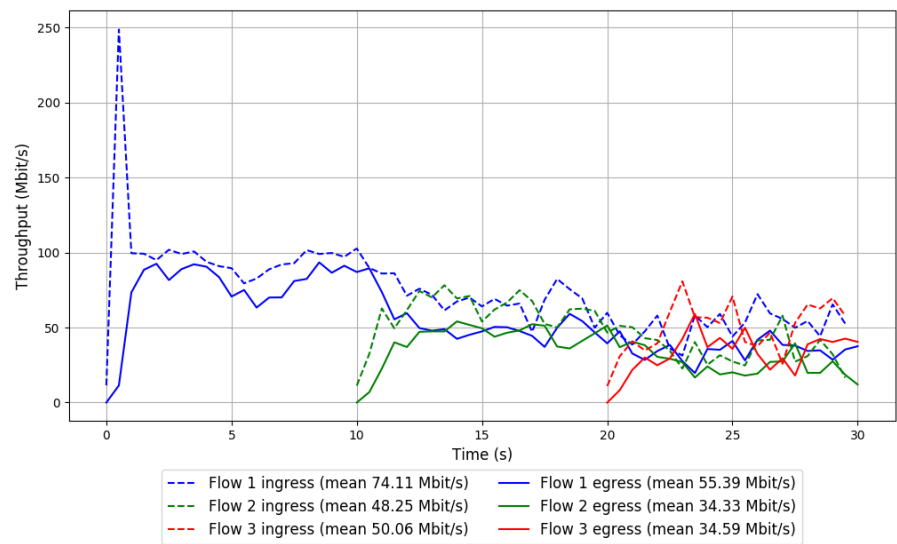


Run 9: Statistics of FillP

Start at: 2018-07-03 20:59:41
End at: 2018-07-03 21:00:11
Local clock offset: -0.585 ms
Remote clock offset: -2.528 ms

Below is generated by plot.py at 2018-07-03 21:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 42.939 ms
Loss rate: 26.92%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 41.843 ms
Loss rate: 25.22%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 44.066 ms
Loss rate: 28.83%
-- Flow 3:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 43.773 ms
Loss rate: 30.82%

Run 9: Report of FillP — Data Link

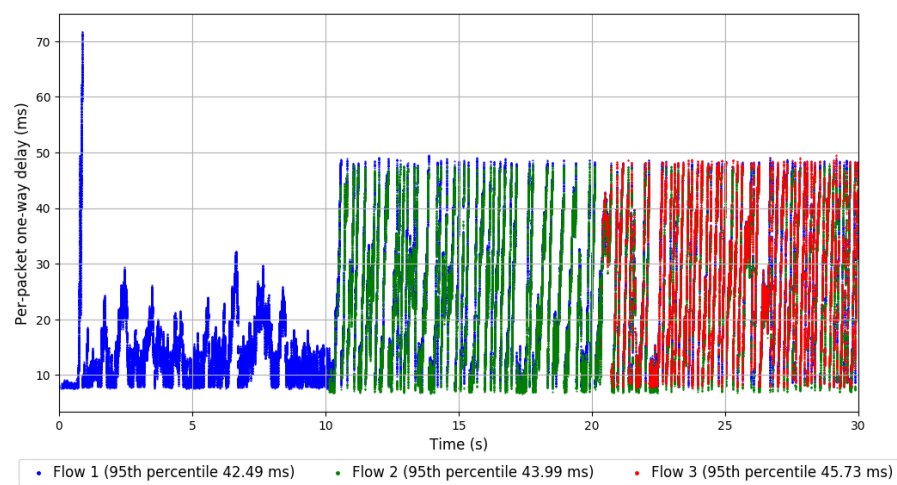
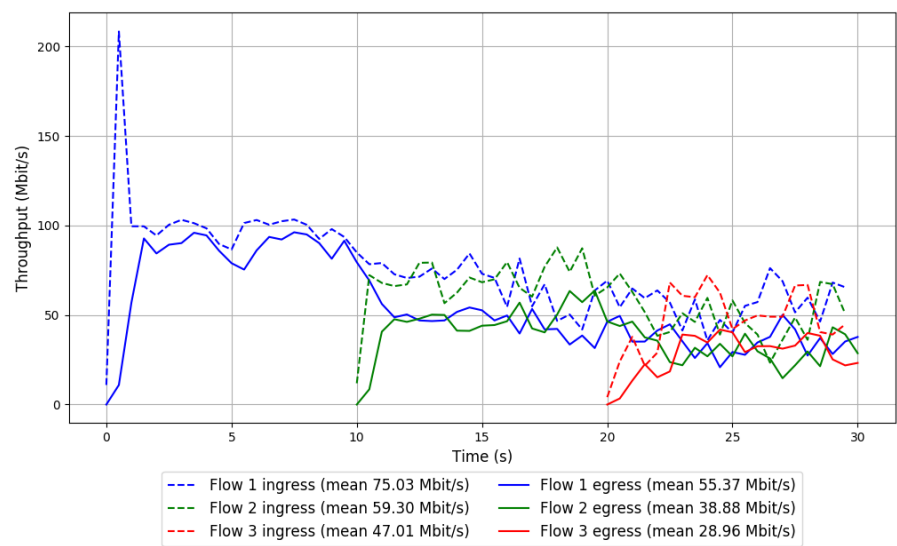


Run 10: Statistics of FillP

Start at: 2018-07-03 21:19:54
End at: 2018-07-03 21:20:24
Local clock offset: 1.469 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2018-07-03 21:47:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 43.594 ms
Loss rate: 30.17%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 42.487 ms
Loss rate: 26.19%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 43.991 ms
Loss rate: 34.42%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 45.729 ms
Loss rate: 38.54%

Run 10: Report of FillP — Data Link

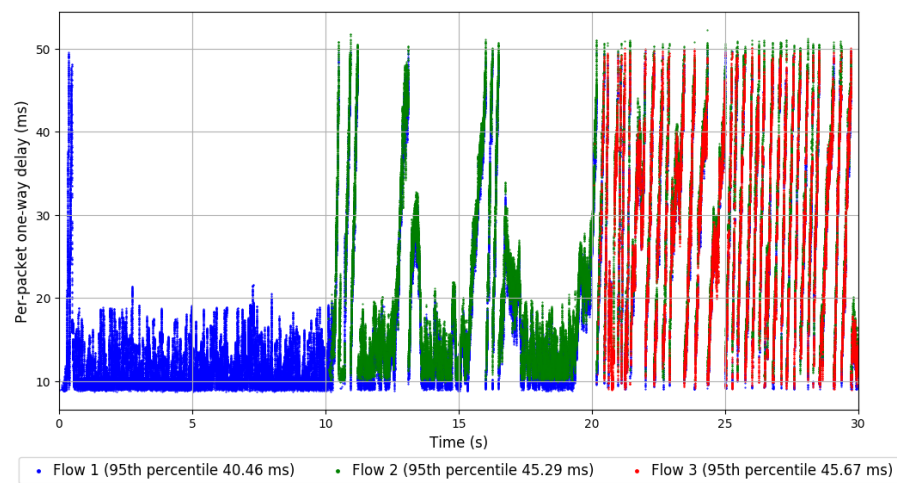
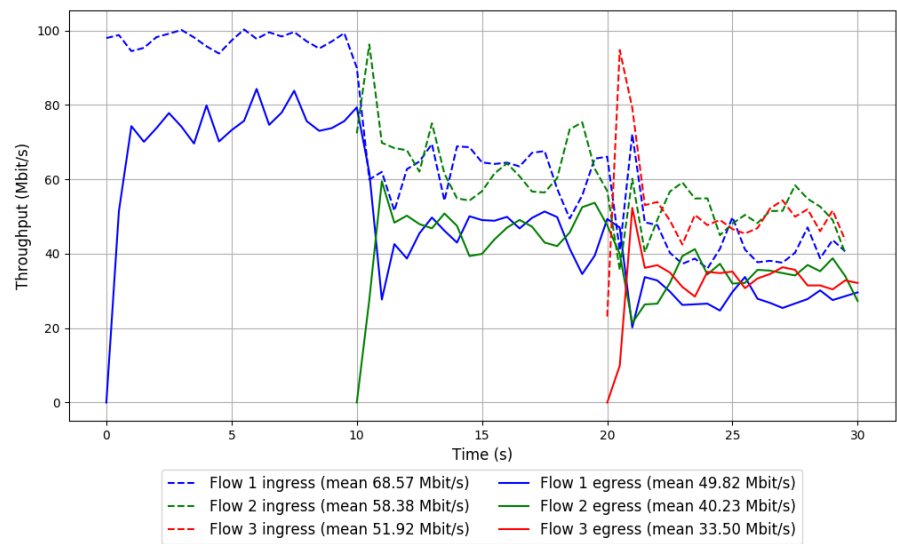


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 18:28:59
End at: 2018-07-03 18:29:29
Local clock offset: 0.573 ms
Remote clock offset: -8.218 ms

Below is generated by plot.py at 2018-07-03 21:47:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 43.569 ms
Loss rate: 29.65%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 40.463 ms
Loss rate: 27.34%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 45.294 ms
Loss rate: 31.07%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 45.666 ms
Loss rate: 35.61%

Run 1: Report of FillP-Sheep — Data Link

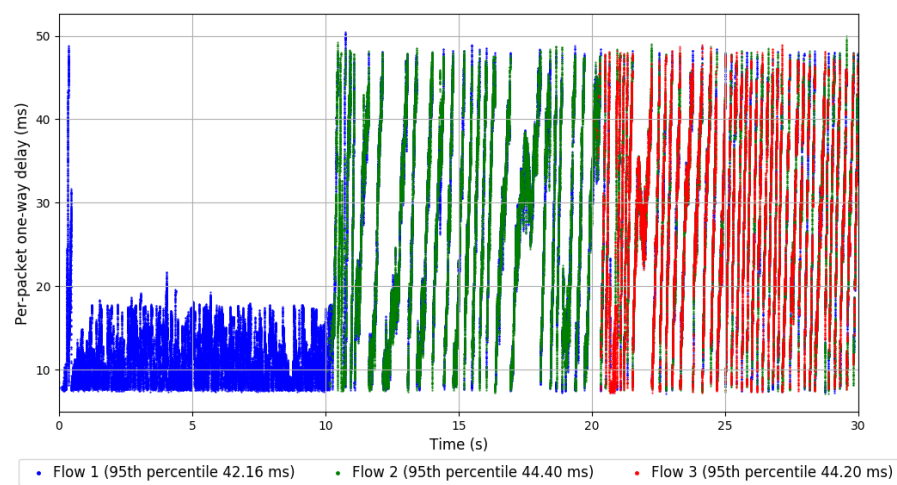
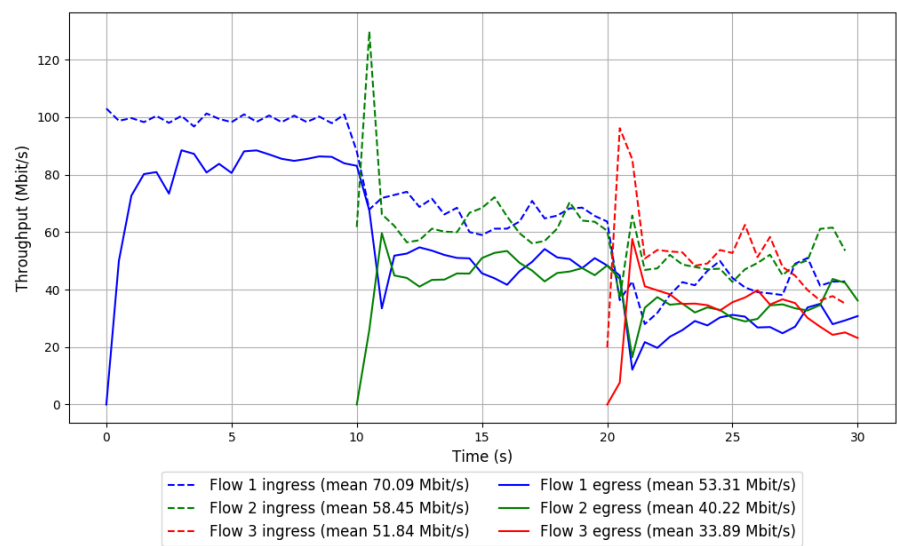


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 18:49:05
End at: 2018-07-03 18:49:35
Local clock offset: -3.145 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2018-07-03 21:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 43.442 ms
Loss rate: 27.66%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 42.164 ms
Loss rate: 23.93%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 31.20%
-- Flow 3:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 44.204 ms
Loss rate: 34.84%

Run 2: Report of FillP-Sheep — Data Link

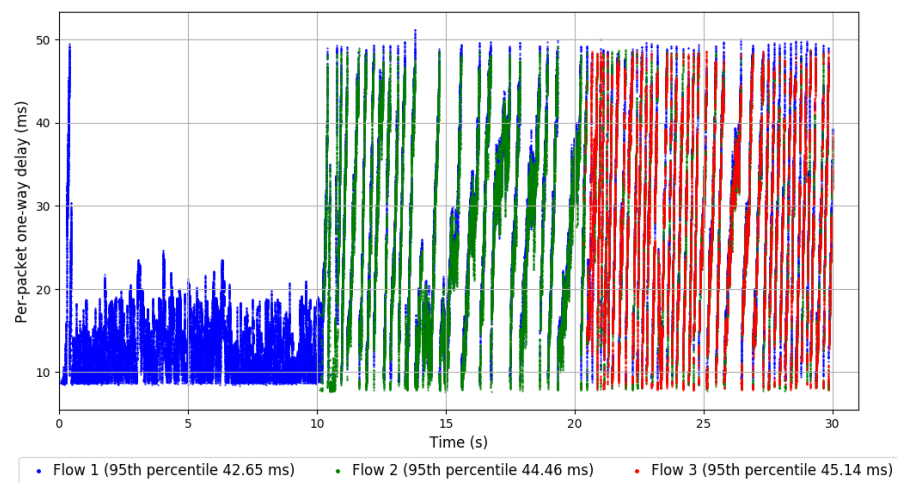
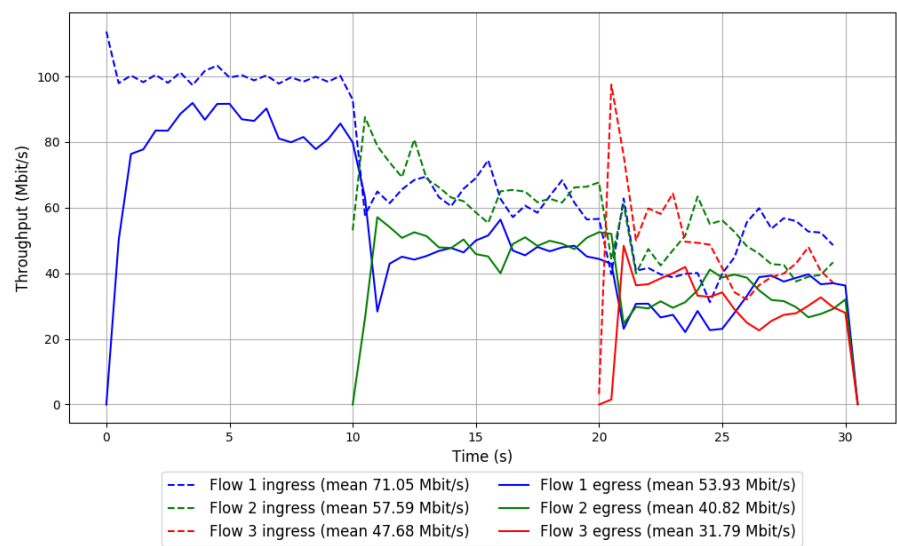


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 19:09:00
End at: 2018-07-03 19:09:30
Local clock offset: -2.749 ms
Remote clock offset: -2.159 ms

Below is generated by plot.py at 2018-07-03 21:47:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 43.874 ms
Loss rate: 26.89%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 42.646 ms
Loss rate: 24.03%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 44.457 ms
Loss rate: 29.04%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 45.136 ms
Loss rate: 34.49%

Run 3: Report of FillP-Sheep — Data Link

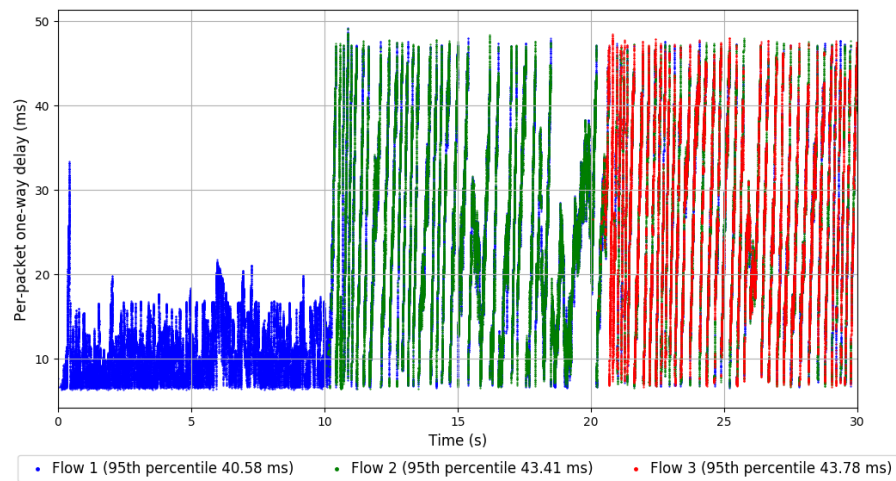
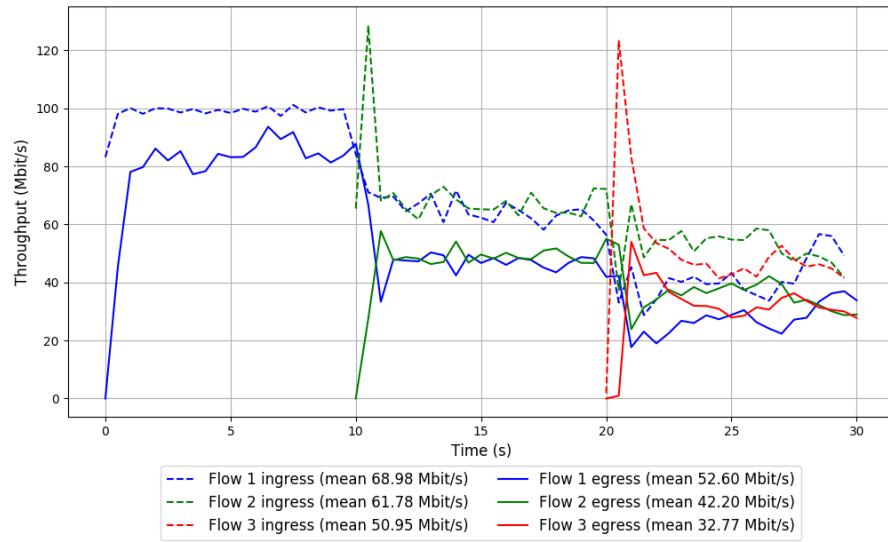


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 19:28:59
End at: 2018-07-03 19:29:29
Local clock offset: 3.019 ms
Remote clock offset: -9.511 ms

Below is generated by plot.py at 2018-07-03 21:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 42.377 ms
Loss rate: 27.92%
-- Flow 1:
Average throughput: 52.60 Mbit/s
95th percentile per-packet one-way delay: 40.581 ms
Loss rate: 23.74%
-- Flow 2:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 43.407 ms
Loss rate: 31.71%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 43.780 ms
Loss rate: 35.76%

Run 4: Report of FillP-Sheep — Data Link

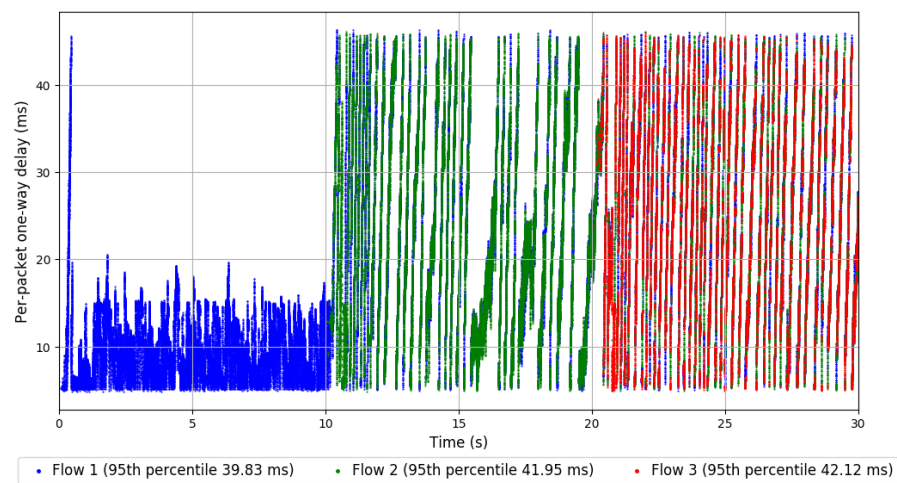
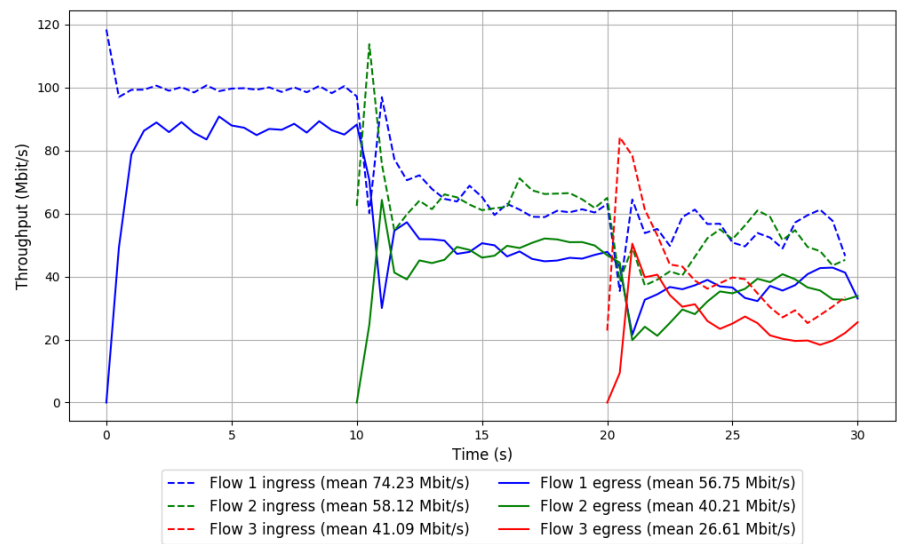


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 19:48:56
End at: 2018-07-03 19:49:26
Local clock offset: -1.734 ms
Remote clock offset: -14.219 ms

```
# Below is generated by plot.py at 2018-07-03 21:48:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 40.997 ms
Loss rate: 26.98%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 39.832 ms
Loss rate: 23.49%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 41.948 ms
Loss rate: 30.78%
-- Flow 3:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 42.124 ms
Loss rate: 35.20%
```

Run 5: Report of FillP-Sheep — Data Link

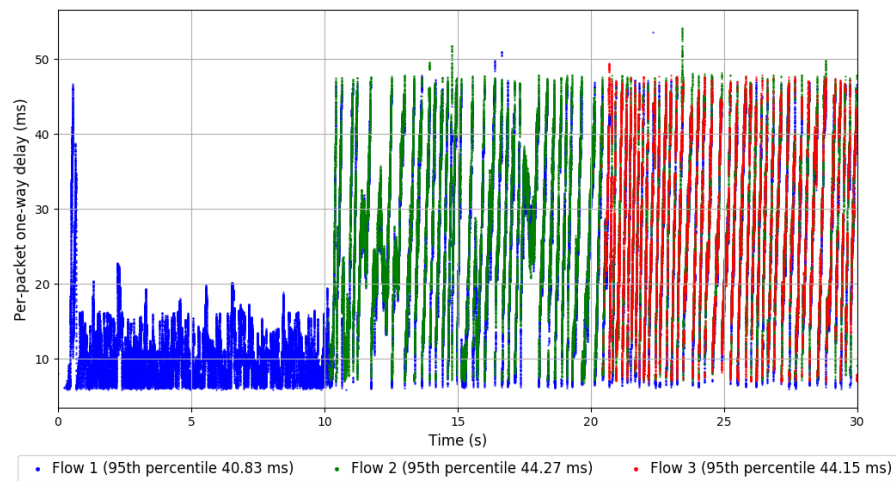
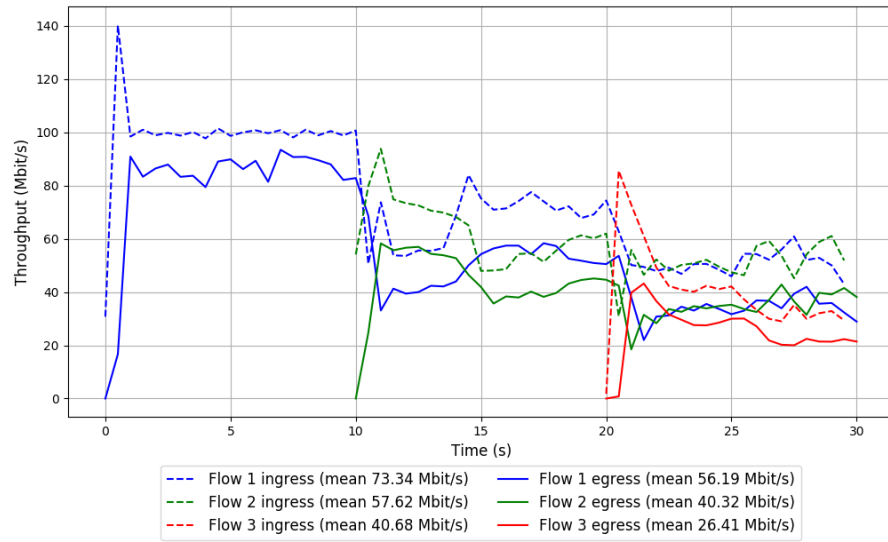


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-03 20:08:50
End at: 2018-07-03 20:09:20
Local clock offset: 0.459 ms
Remote clock offset: -1.735 ms

Below is generated by plot.py at 2018-07-03 21:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 42.689 ms
Loss rate: 26.70%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 40.828 ms
Loss rate: 23.37%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 44.267 ms
Loss rate: 30.04%
-- Flow 3:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 44.146 ms
Loss rate: 35.24%

Run 6: Report of FillP-Sheep — Data Link

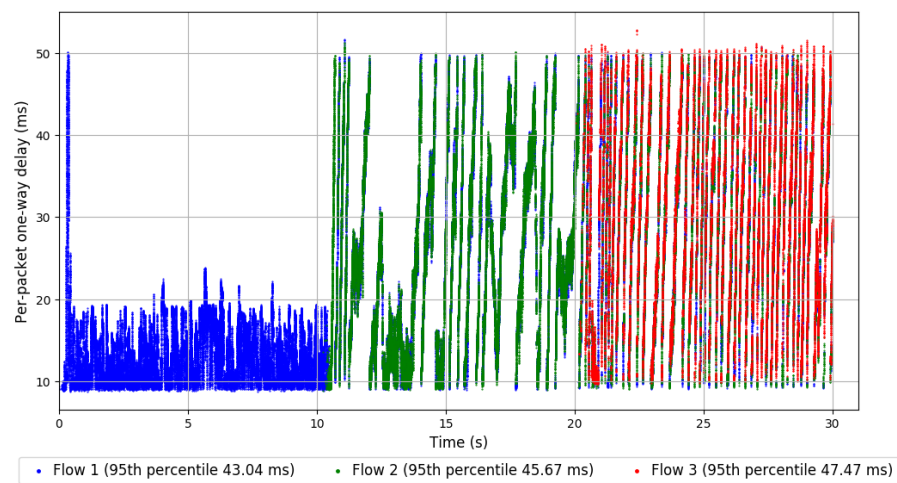
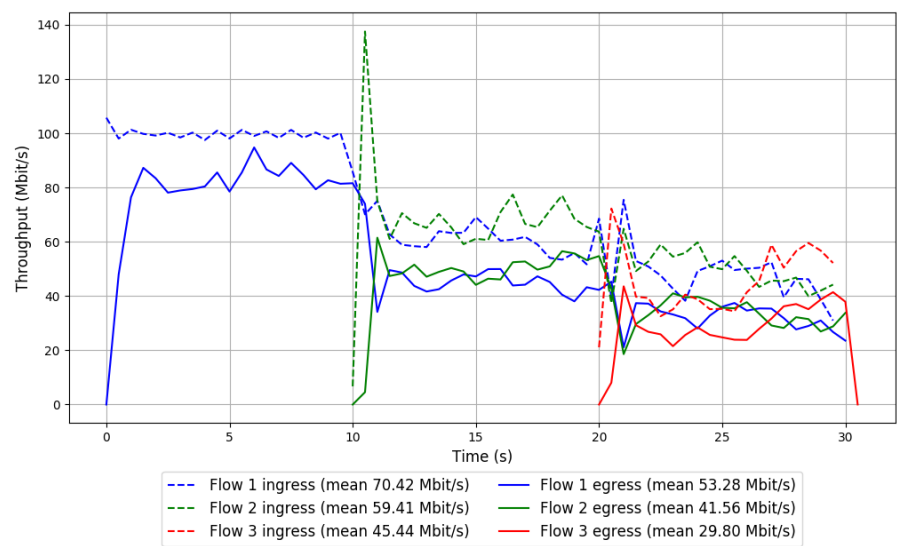


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-03 20:28:37
End at: 2018-07-03 20:29:07
Local clock offset: 1.477 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-03 21:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 44.924 ms
Loss rate: 27.54%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 43.041 ms
Loss rate: 24.29%
-- Flow 2:
Average throughput: 41.56 Mbit/s
95th percentile per-packet one-way delay: 45.672 ms
Loss rate: 30.69%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 47.469 ms
Loss rate: 34.42%

Run 7: Report of FillP-Sheep — Data Link

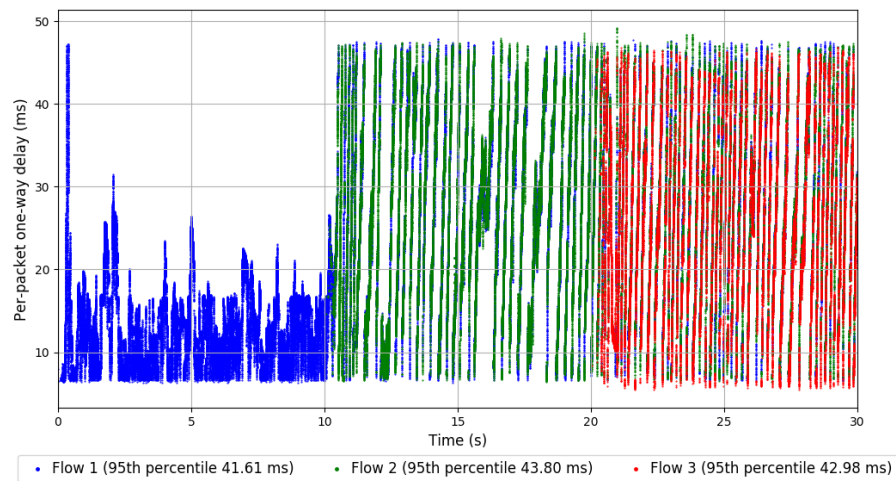
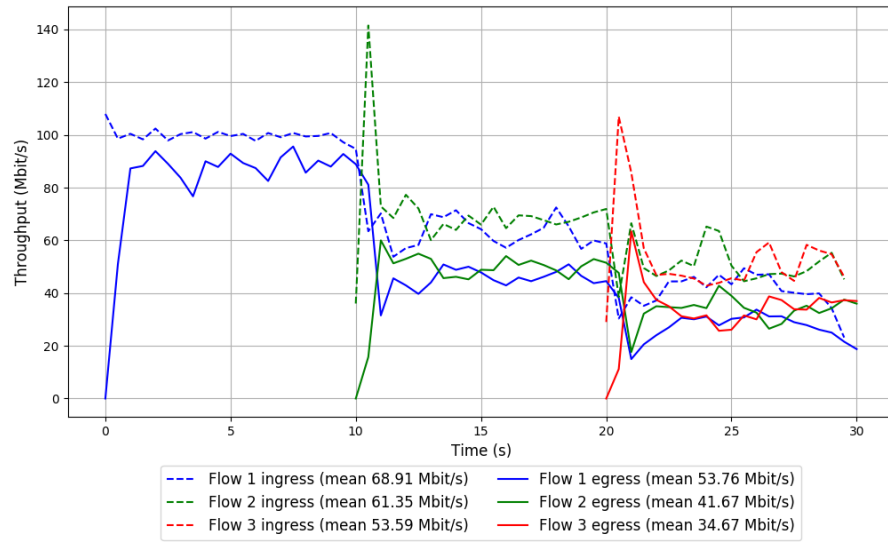


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-03 20:48:34
End at: 2018-07-03 20:49:04
Local clock offset: 2.081 ms
Remote clock offset: -2.122 ms

Below is generated by plot.py at 2018-07-03 21:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 42.750 ms
Loss rate: 27.00%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 41.608 ms
Loss rate: 21.92%
-- Flow 2:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 43.804 ms
Loss rate: 32.02%
-- Flow 3:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 42.982 ms
Loss rate: 35.16%

Run 8: Report of FillP-Sheep — Data Link

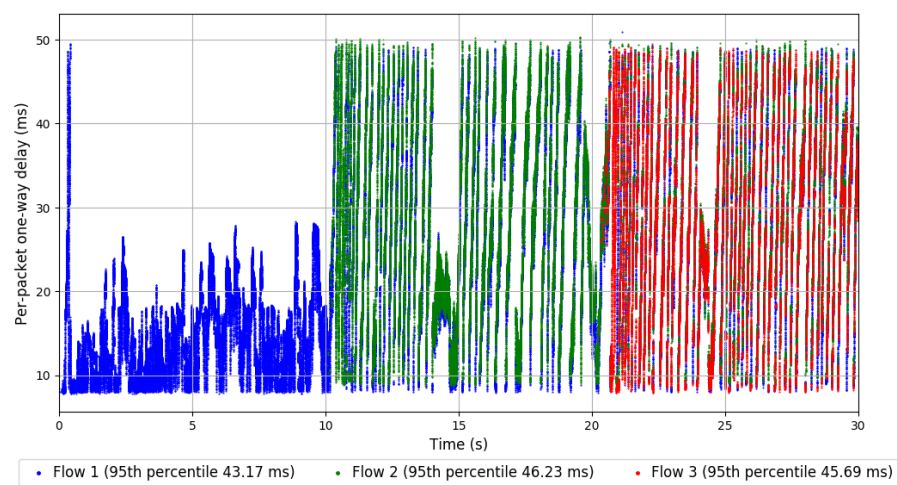
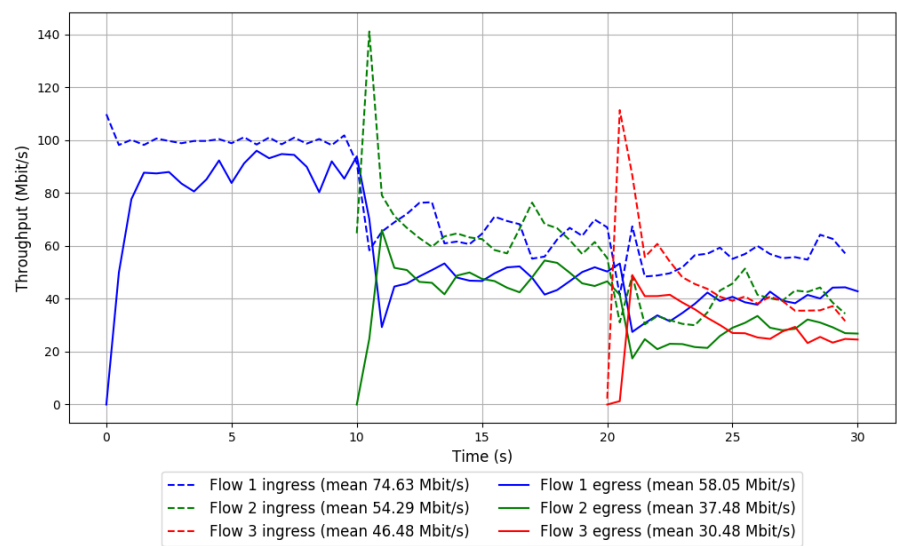


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-03 21:09:11
End at: 2018-07-03 21:09:41
Local clock offset: -0.511 ms
Remote clock offset: -1.517 ms

Below is generated by plot.py at 2018-07-03 21:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 44.869 ms
Loss rate: 26.31%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 43.170 ms
Loss rate: 22.16%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 46.235 ms
Loss rate: 30.90%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 45.692 ms
Loss rate: 35.63%

Run 9: Report of FillP-Sheep — Data Link

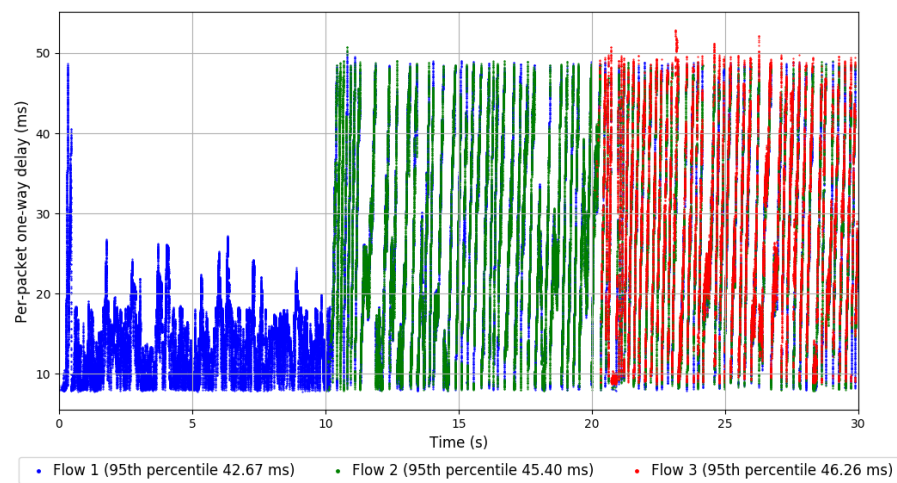
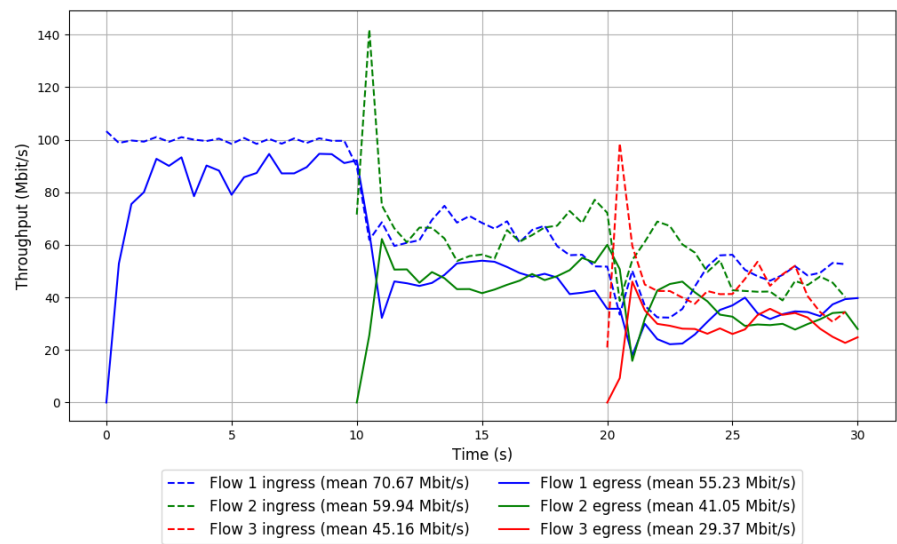


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-03 21:29:16
End at: 2018-07-03 21:29:46
Local clock offset: 0.051 ms
Remote clock offset: -0.771 ms

Below is generated by plot.py at 2018-07-03 21:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 44.371 ms
Loss rate: 26.45%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 42.670 ms
Loss rate: 21.80%
-- Flow 2:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 45.397 ms
Loss rate: 31.46%
-- Flow 3:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 46.260 ms
Loss rate: 34.99%

Run 10: Report of FillP-Sheep — Data Link

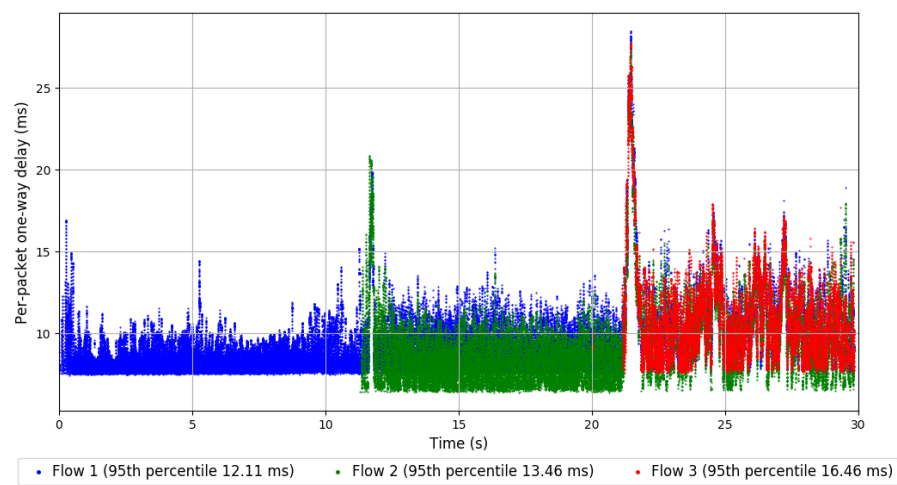
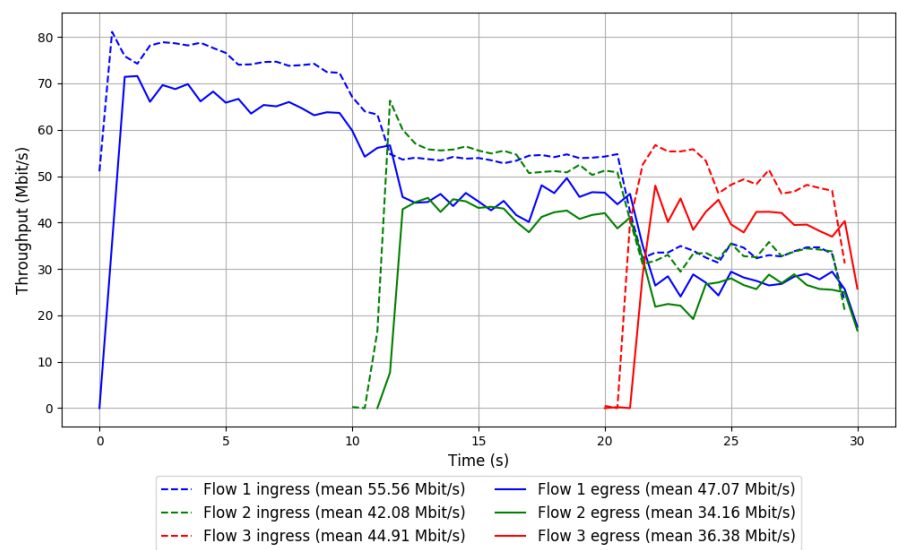


Run 1: Statistics of Indigo

Start at: 2018-07-03 18:18:29
End at: 2018-07-03 18:18:59
Local clock offset: 3.083 ms
Remote clock offset: -6.255 ms

Below is generated by plot.py at 2018-07-03 21:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 13.435 ms
Loss rate: 18.01%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 12.105 ms
Loss rate: 15.28%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 22.98%
-- Flow 3:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 16.461 ms
Loss rate: 19.00%

Run 1: Report of Indigo — Data Link

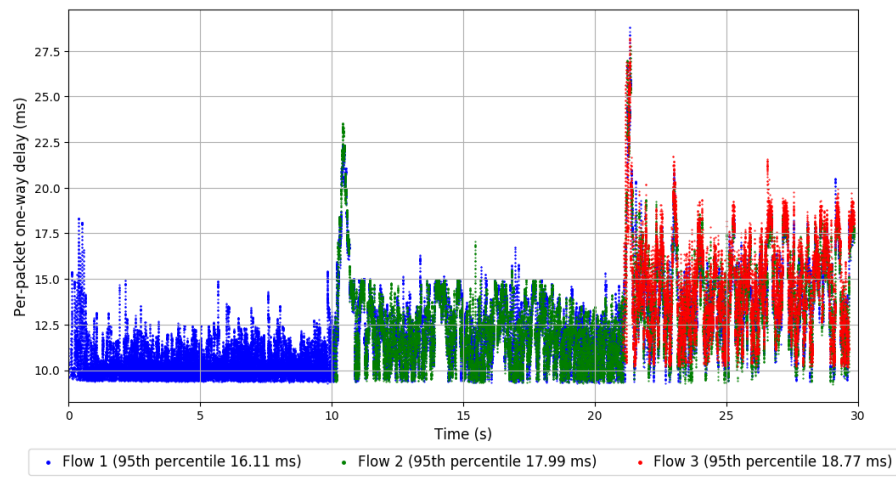
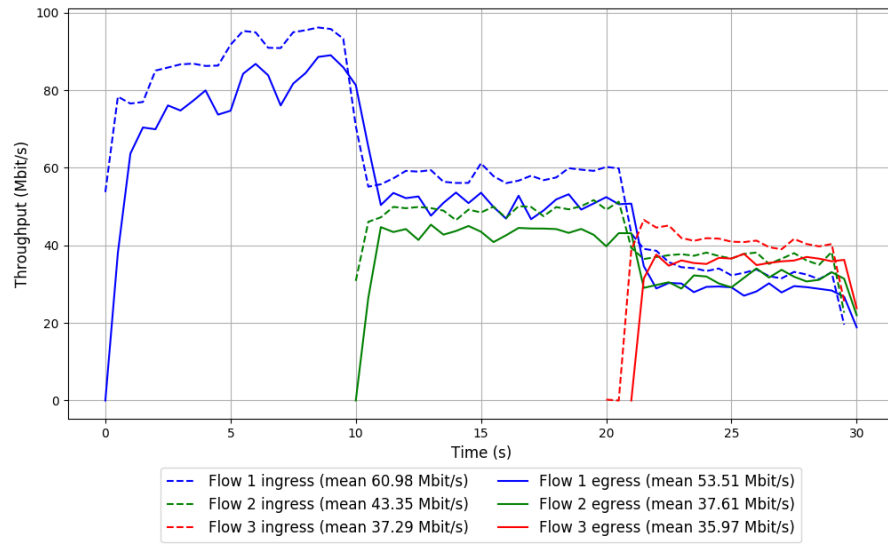


Run 2: Statistics of Indigo

Start at: 2018-07-03 18:38:24
End at: 2018-07-03 18:38:54
Local clock offset: -2.472 ms
Remote clock offset: -9.124 ms

Below is generated by plot.py at 2018-07-03 21:49:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 17.747 ms
Loss rate: 12.63%
-- Flow 1:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 16.112 ms
Loss rate: 12.22%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 17.991 ms
Loss rate: 13.20%
-- Flow 3:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 18.767 ms
Loss rate: 13.33%

Run 2: Report of Indigo — Data Link

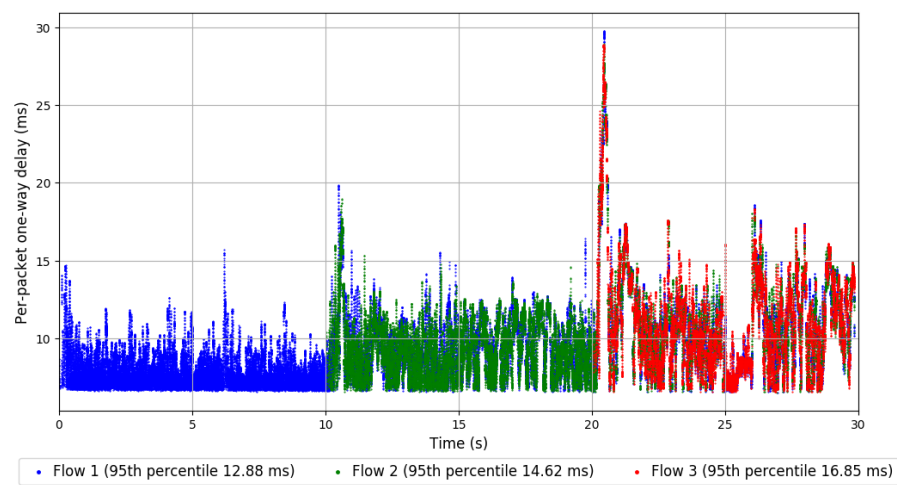
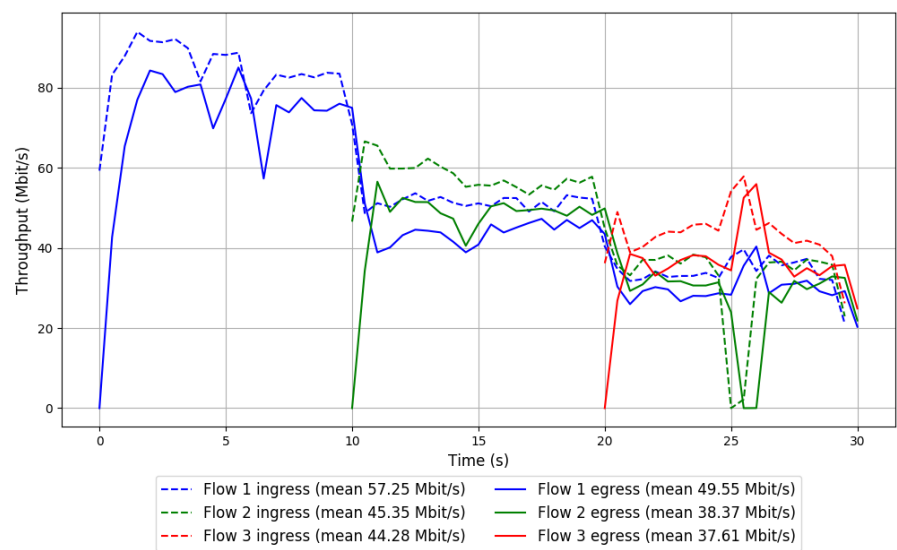


Run 3: Statistics of Indigo

Start at: 2018-07-03 18:58:31
End at: 2018-07-03 18:59:01
Local clock offset: -7.184 ms
Remote clock offset: -6.774 ms

Below is generated by plot.py at 2018-07-03 21:49:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 14.319 ms
Loss rate: 14.24%
-- Flow 1:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 12.883 ms
Loss rate: 13.44%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 14.623 ms
Loss rate: 15.39%
-- Flow 3:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 16.850 ms
Loss rate: 15.01%

Run 3: Report of Indigo — Data Link

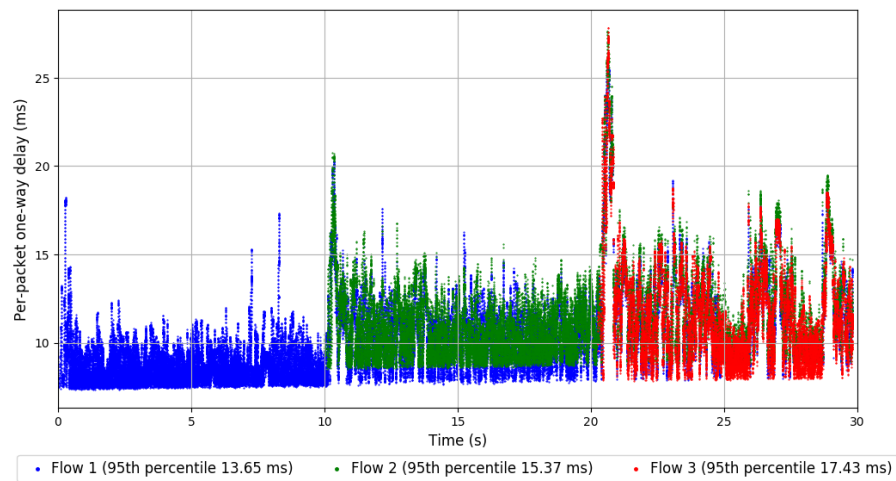
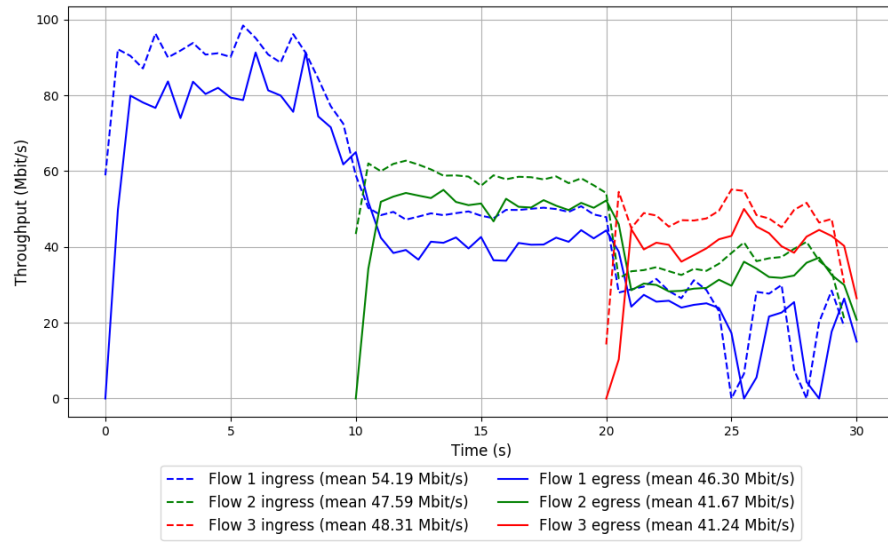


Run 4: Statistics of Indigo

Start at: 2018-07-03 19:18:43
End at: 2018-07-03 19:19:13
Local clock offset: 0.596 ms
Remote clock offset: -2.037 ms

Below is generated by plot.py at 2018-07-03 21:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 15.125 ms
Loss rate: 13.91%
-- Flow 1:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 13.647 ms
Loss rate: 14.56%
-- Flow 2:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 15.366 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 17.427 ms
Loss rate: 14.62%

Run 4: Report of Indigo — Data Link

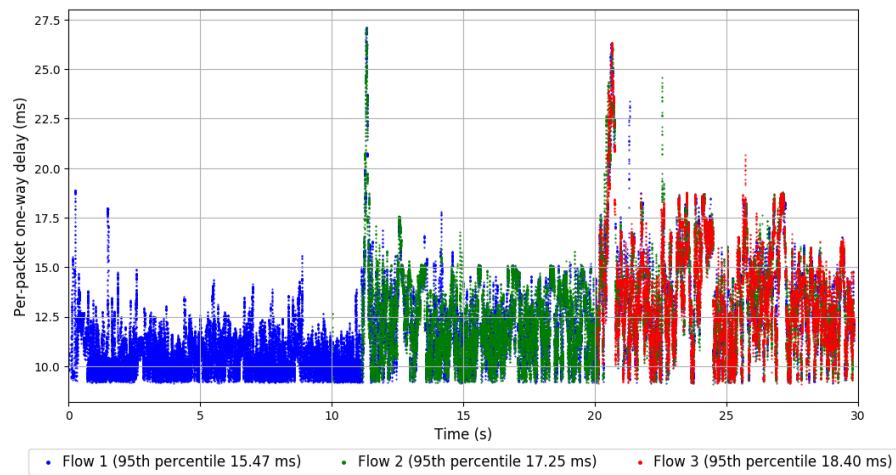
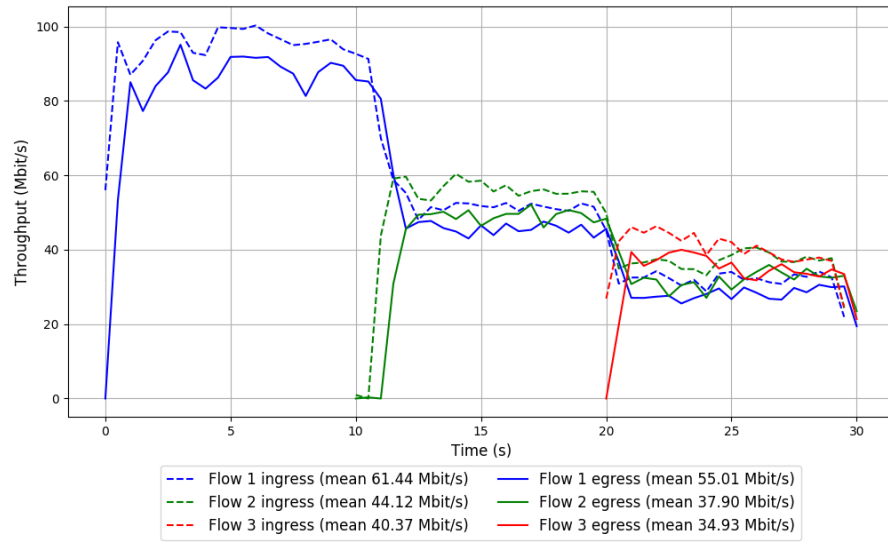


Run 5: Statistics of Indigo

Start at: 2018-07-03 19:38:26
End at: 2018-07-03 19:38:56
Local clock offset: -1.026 ms
Remote clock offset: -11.055 ms

Below is generated by plot.py at 2018-07-03 21:49:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 16.838 ms
Loss rate: 11.88%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 15.475 ms
Loss rate: 10.47%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 17.249 ms
Loss rate: 14.11%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 18.397 ms
Loss rate: 13.48%

Run 5: Report of Indigo — Data Link

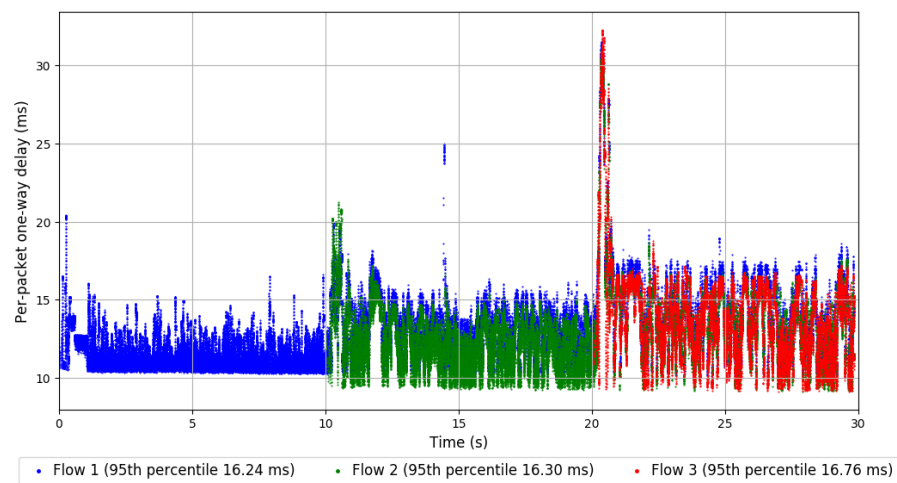
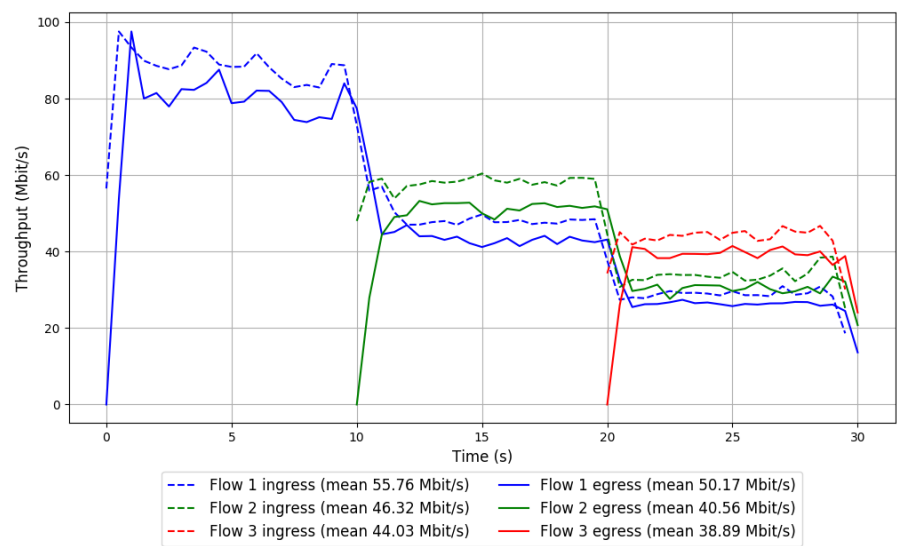


Run 6: Statistics of Indigo

Start at: 2018-07-03 19:58:29
End at: 2018-07-03 19:58:59
Local clock offset: -6.954 ms
Remote clock offset: -7.206 ms

Below is generated by plot.py at 2018-07-03 21:50:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 16.366 ms
Loss rate: 10.99%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 16.244 ms
Loss rate: 10.02%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 16.300 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 16.761 ms
Loss rate: 11.67%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-03 20:18:17

End at: 2018-07-03 20:18:47

Local clock offset: -0.281 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-07-03 21:50:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 17.530 ms

Loss rate: 14.44%

-- Flow 1:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 16.667 ms

Loss rate: 14.46%

-- Flow 2:

Average throughput: 42.57 Mbit/s

95th percentile per-packet one-way delay: 17.860 ms

Loss rate: 13.86%

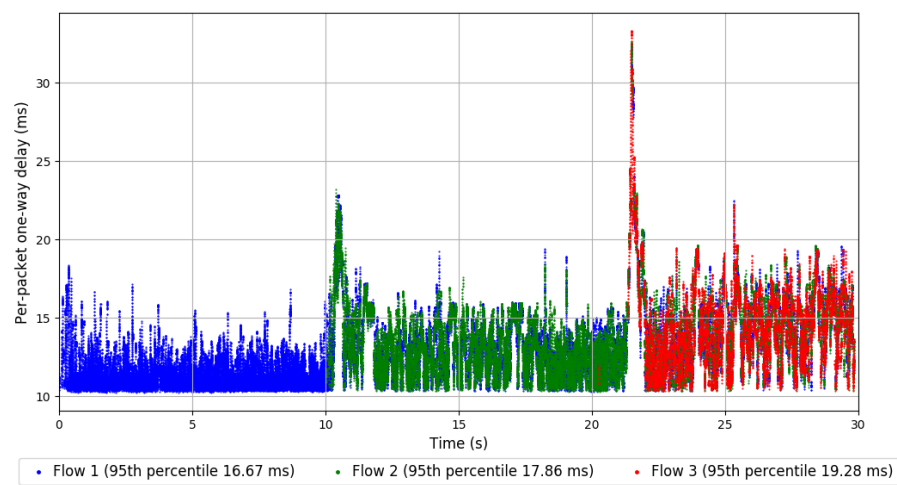
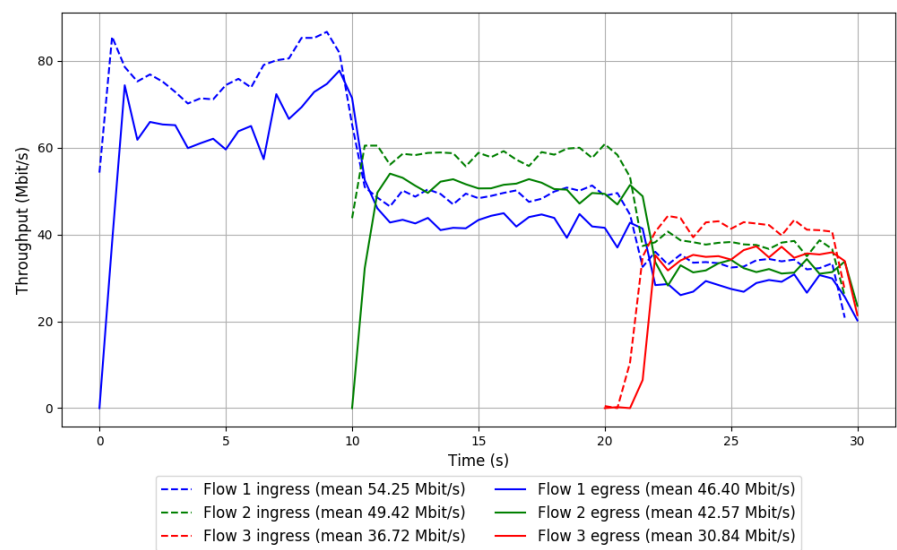
-- Flow 3:

Average throughput: 30.84 Mbit/s

95th percentile per-packet one-way delay: 19.278 ms

Loss rate: 15.99%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-03 20:38:00

End at: 2018-07-03 20:38:30

Local clock offset: 1.069 ms

Remote clock offset: -2.29 ms

Below is generated by plot.py at 2018-07-03 21:50:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 15.840 ms

Loss rate: 12.50%

-- Flow 1:

Average throughput: 50.65 Mbit/s

95th percentile per-packet one-way delay: 15.378 ms

Loss rate: 12.73%

-- Flow 2:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 16.367 ms

Loss rate: 12.62%

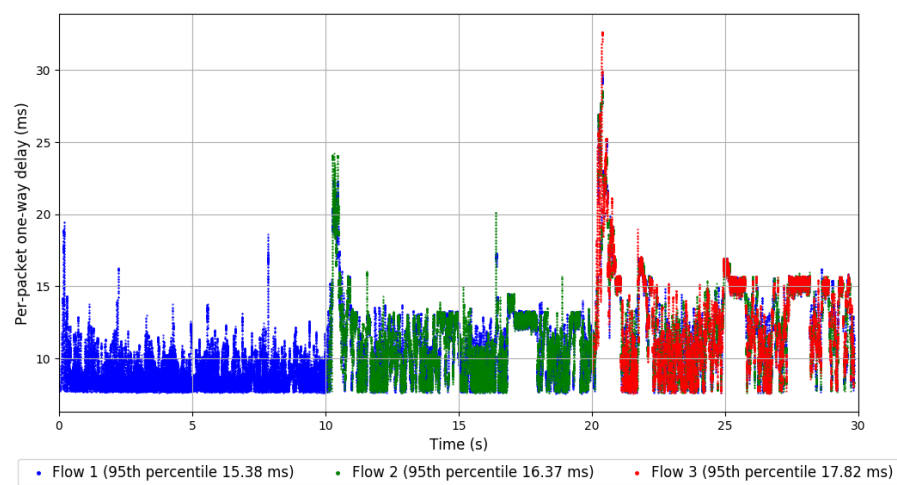
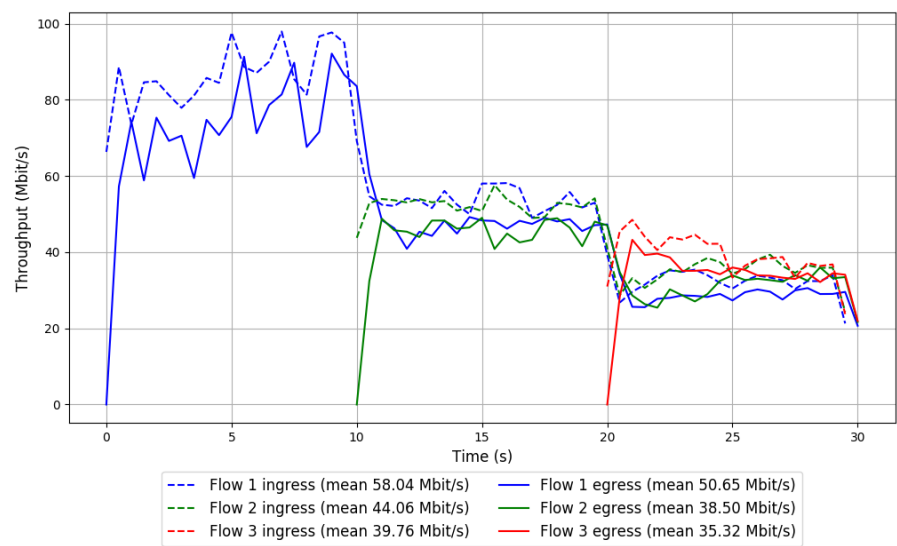
-- Flow 3:

Average throughput: 35.32 Mbit/s

95th percentile per-packet one-way delay: 17.815 ms

Loss rate: 11.18%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-03 20:58:27

End at: 2018-07-03 20:58:57

Local clock offset: -2.386 ms

Remote clock offset: -2.88 ms

Below is generated by plot.py at 2018-07-03 21:50:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.44 Mbit/s

95th percentile per-packet one-way delay: 16.447 ms

Loss rate: 14.29%

-- Flow 1:

Average throughput: 50.92 Mbit/s

95th percentile per-packet one-way delay: 14.904 ms

Loss rate: 13.61%

-- Flow 2:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 16.941 ms

Loss rate: 14.31%

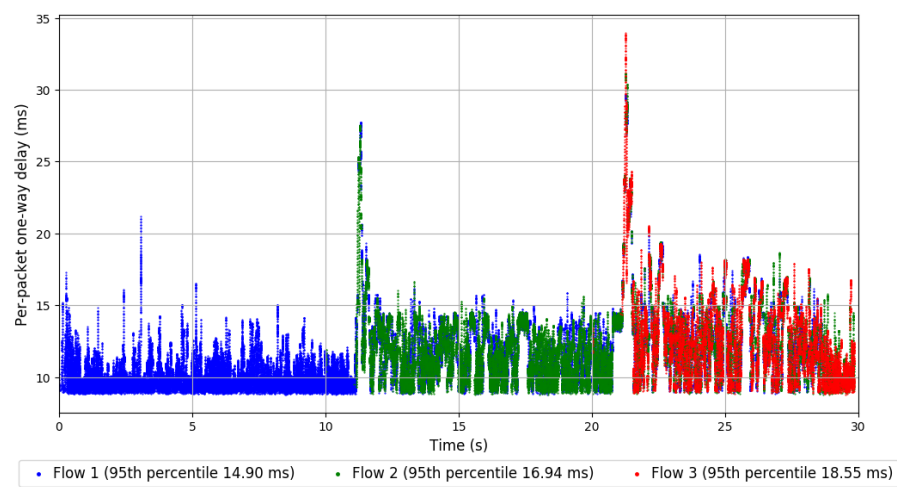
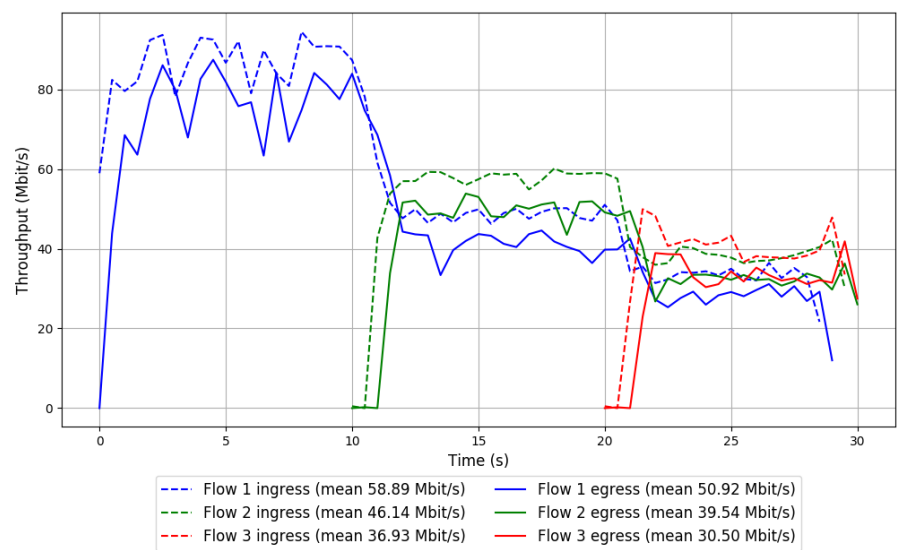
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 18.550 ms

Loss rate: 17.43%

Run 9: Report of Indigo — Data Link

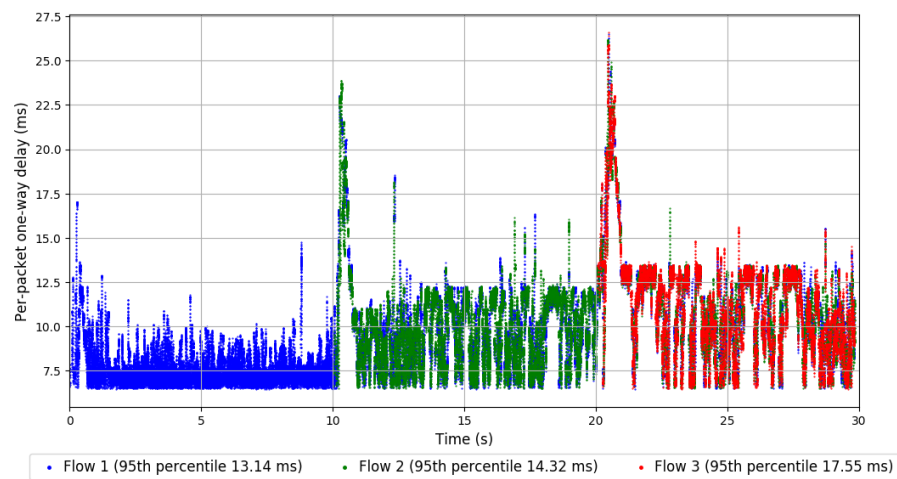
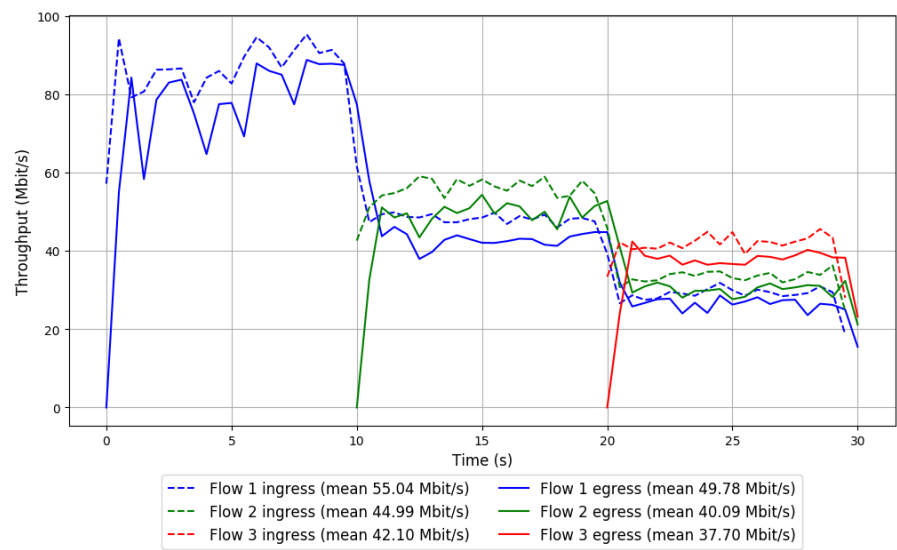


Run 10: Statistics of Indigo

Start at: 2018-07-03 21:18:43
End at: 2018-07-03 21:19:13
Local clock offset: 1.306 ms
Remote clock offset: -1.248 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 13.391 ms
Loss rate: 10.09%
-- Flow 1:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 13.143 ms
Loss rate: 9.56%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 14.324 ms
Loss rate: 10.87%
-- Flow 3:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 17.551 ms
Loss rate: 10.48%

Run 10: Report of Indigo — Data Link

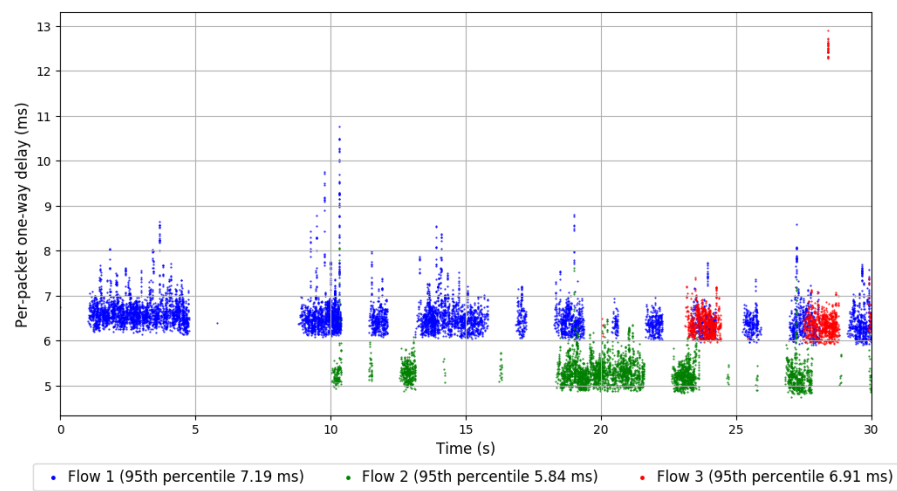
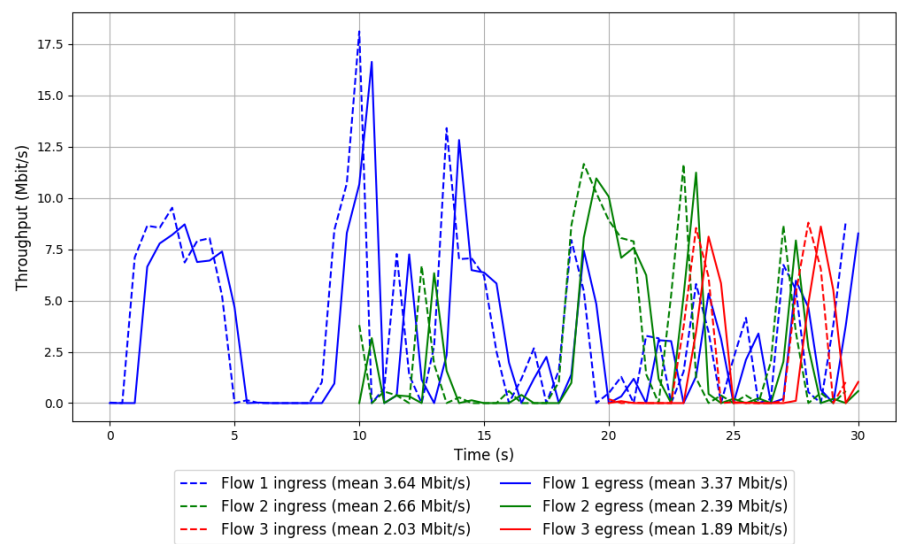


Run 1: Statistics of LEDBAT

Start at: 2018-07-03 18:33:54
End at: 2018-07-03 18:34:24
Local clock offset: 4.226 ms
Remote clock offset: -8.481 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 7.015 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 7.189 ms
Loss rate: 7.60%
-- Flow 2:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 5.836 ms
Loss rate: 10.19%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 6.910 ms
Loss rate: 7.06%

Run 1: Report of LEDBAT — Data Link

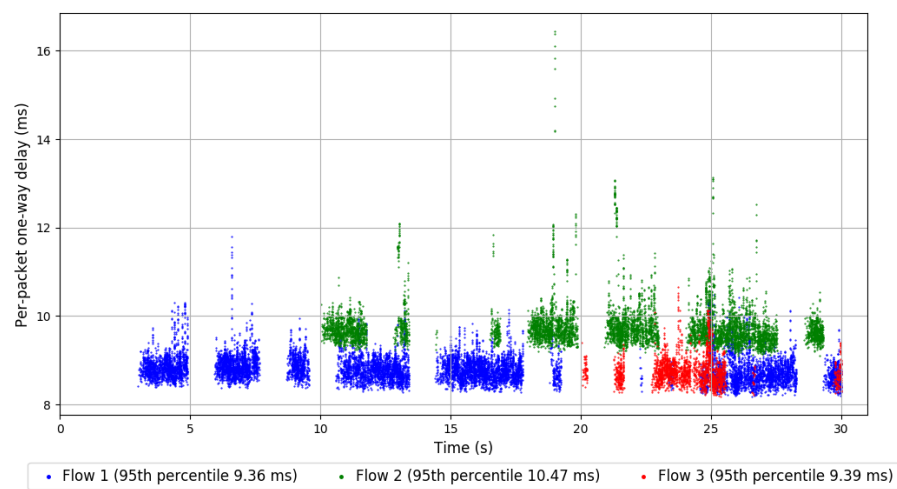
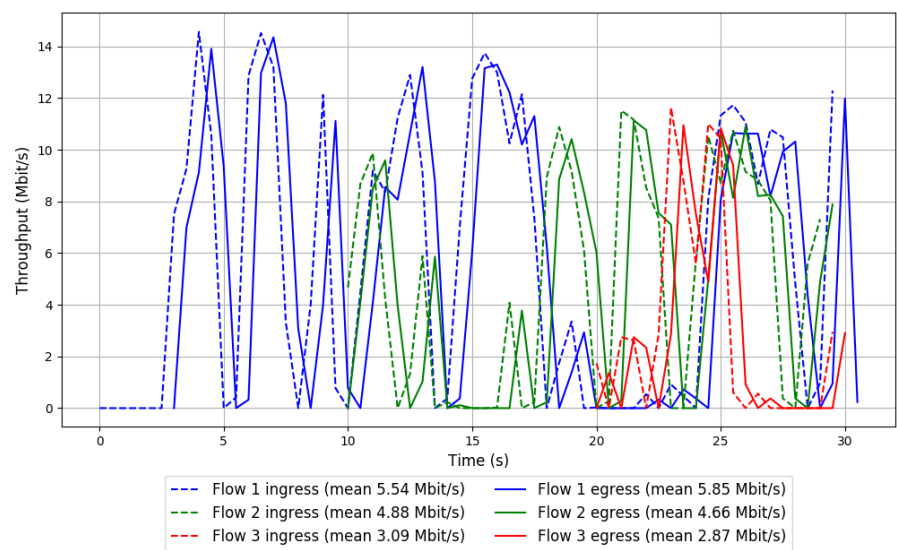


Run 2: Statistics of LEDBAT

Start at: 2018-07-03 18:54:02
End at: 2018-07-03 18:54:32
Local clock offset: -5.925 ms
Remote clock offset: -4.563 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 10.029 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 9.360 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 10.468 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 9.388 ms
Loss rate: 7.20%

Run 2: Report of LEDBAT — Data Link

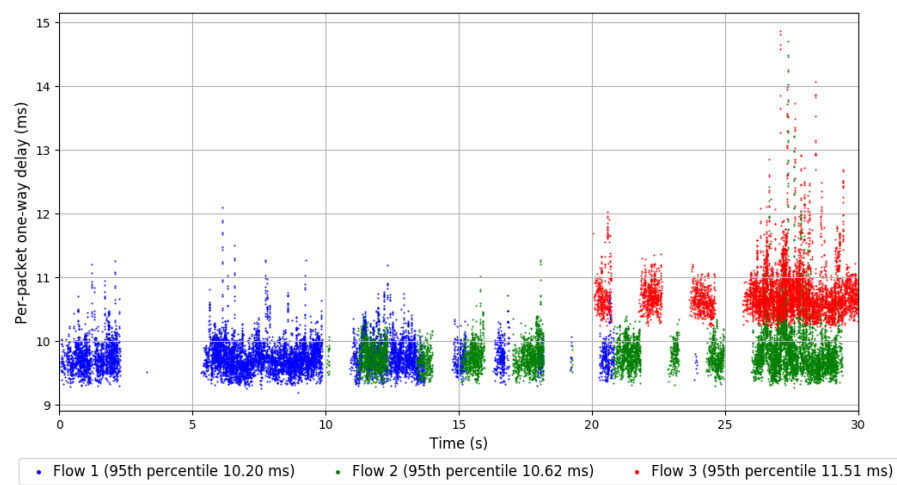
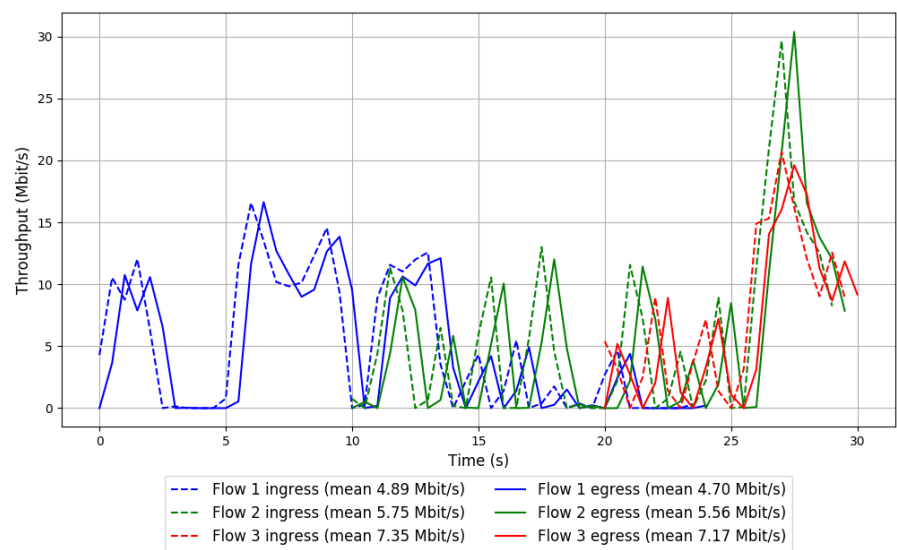


Run 3: Statistics of LEDBAT

Start at: 2018-07-03 19:13:46
End at: 2018-07-03 19:14:16
Local clock offset: -2.33 ms
Remote clock offset: -1.473 ms

```
# Below is generated by plot.py at 2018-07-03 21:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 10.992 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 10.204 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 10.616 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 11.513 ms
Loss rate: 2.53%
```

Run 3: Report of LEDBAT — Data Link

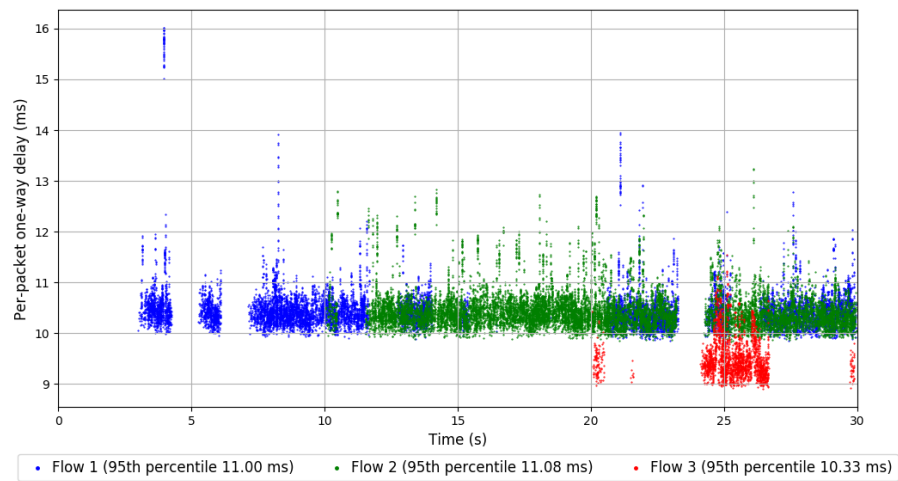
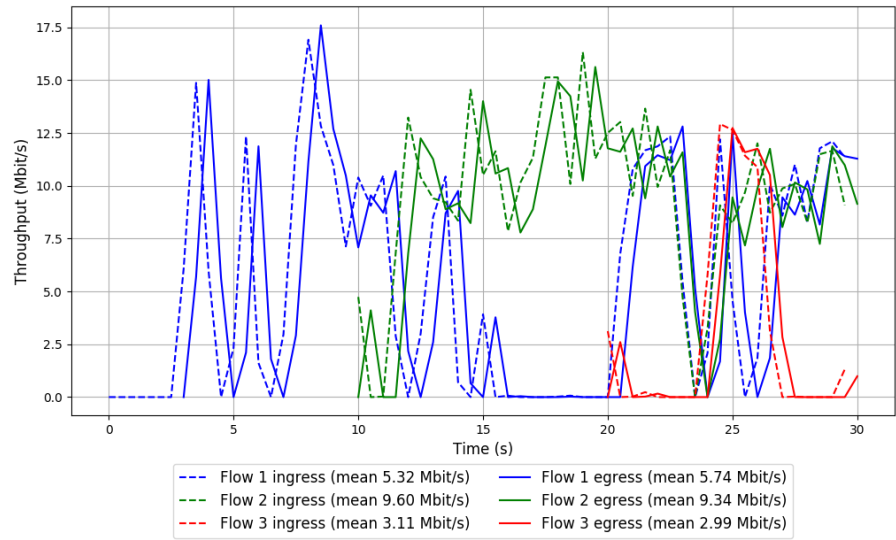


Run 4: Statistics of LEDBAT

Start at: 2018-07-03 19:33:49
End at: 2018-07-03 19:34:19
Local clock offset: -0.7 ms
Remote clock offset: -10.976 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 11.004 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 11.003 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 11.076 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 4.12%

Run 4: Report of LEDBAT — Data Link

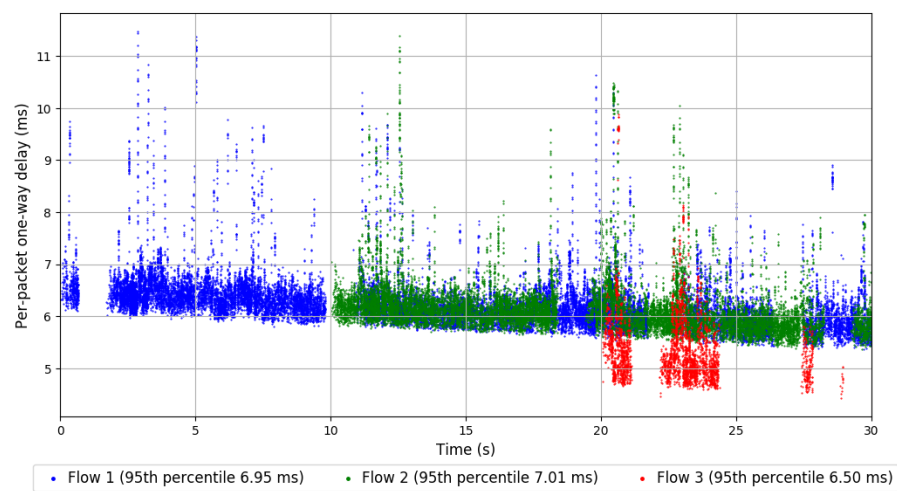
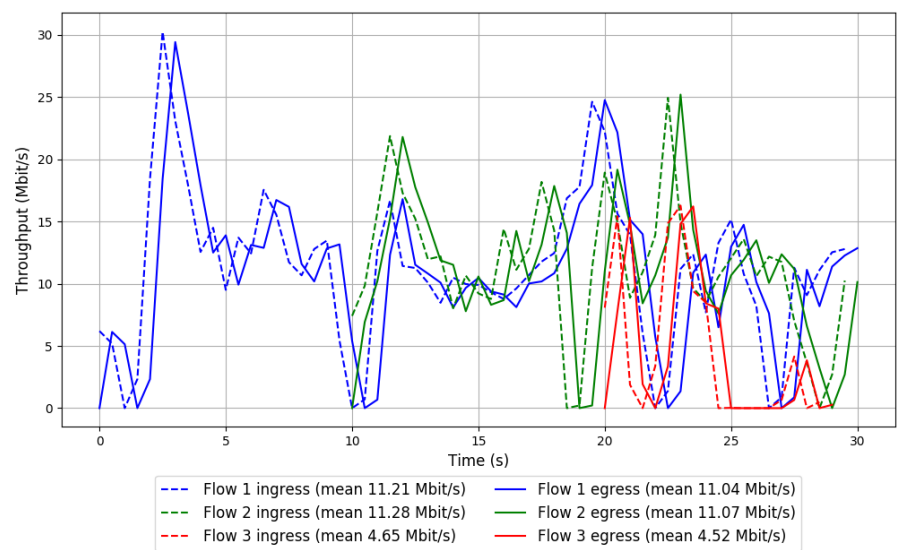


Run 5: Statistics of LEDBAT

Start at: 2018-07-03 19:53:50
End at: 2018-07-03 19:54:20
Local clock offset: -2.094 ms
Remote clock offset: -11.834 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 6.950 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 6.952 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 6.498 ms
Loss rate: 3.08%

Run 5: Report of LEDBAT — Data Link

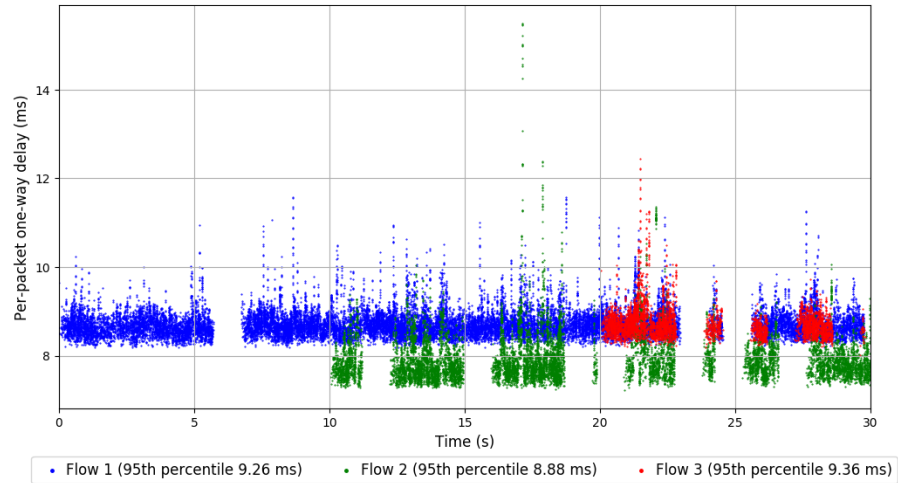
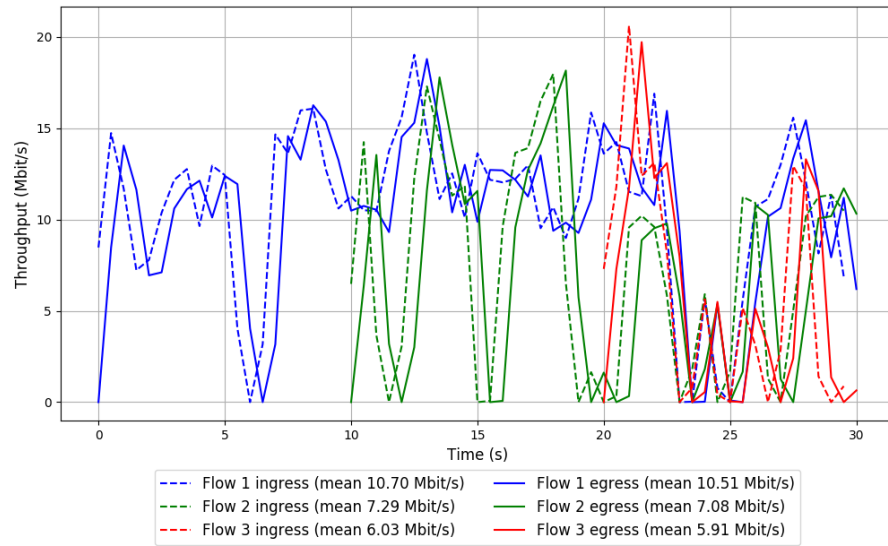


Run 6: Statistics of LEDBAT

Start at: 2018-07-03 20:13:46
End at: 2018-07-03 20:14:16
Local clock offset: 1.086 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 9.204 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 9.260 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 8.875 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 9.358 ms
Loss rate: 2.24%

Run 6: Report of LEDBAT — Data Link

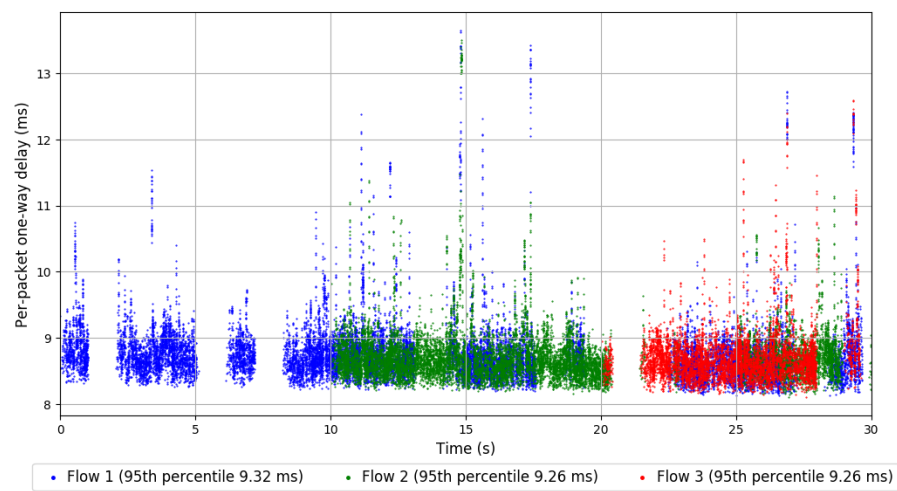
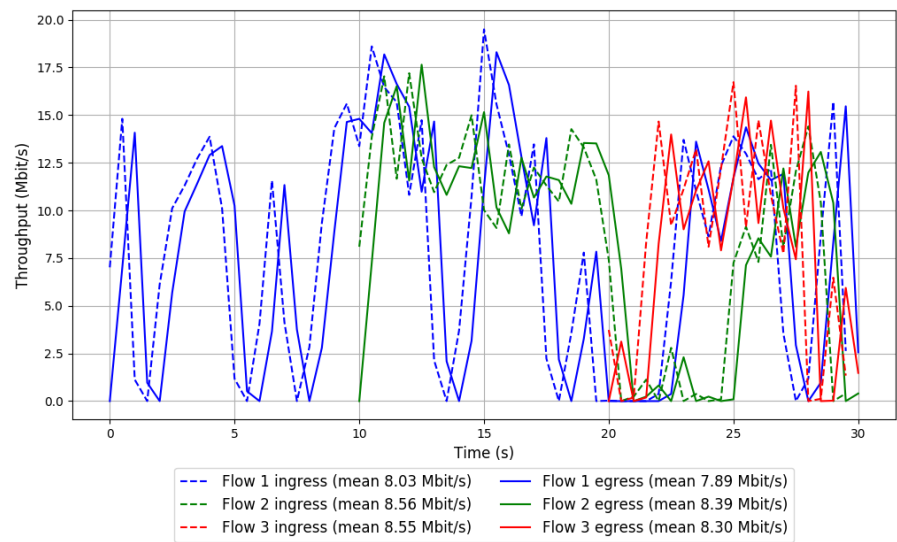


Run 7: Statistics of LEDBAT

Start at: 2018-07-03 20:33:26
End at: 2018-07-03 20:33:56
Local clock offset: 2.803 ms
Remote clock offset: -1.824 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 9.289 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 9.323 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 9.257 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 9.262 ms
Loss rate: 3.25%

Run 7: Report of LEDBAT — Data Link

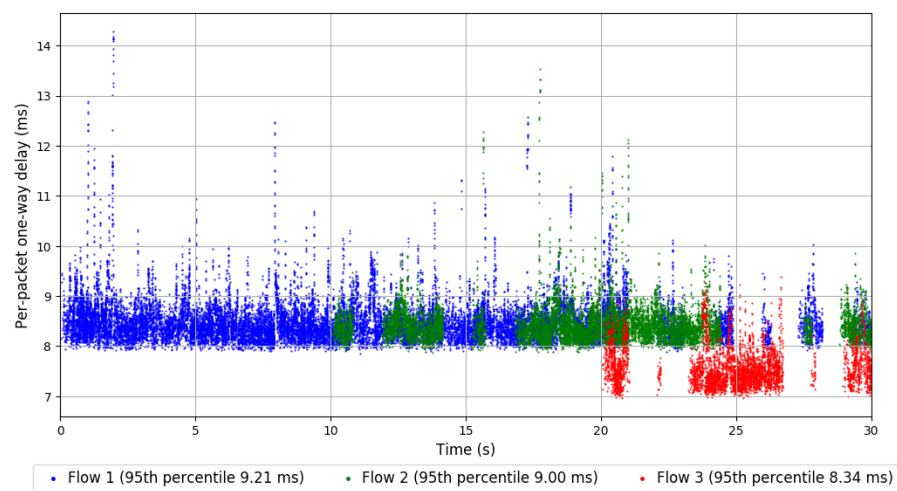
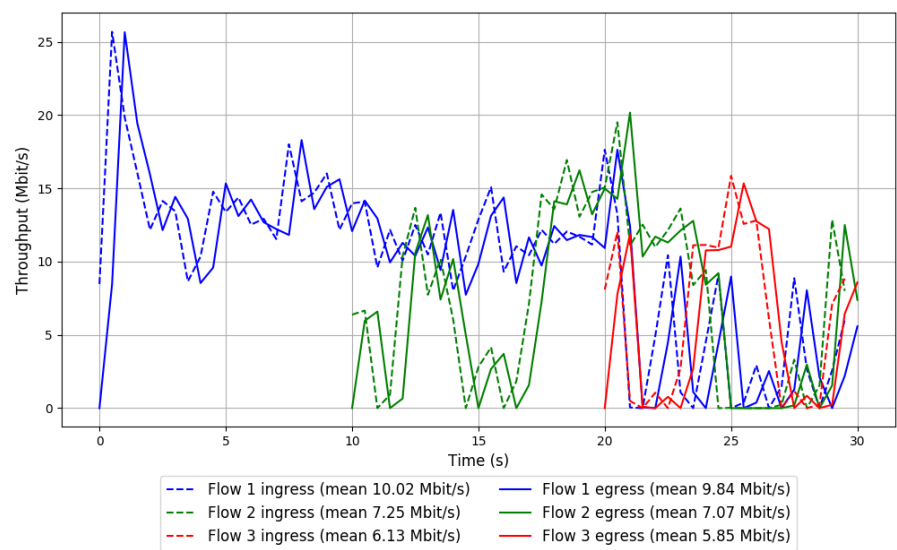


Run 8: Statistics of LEDBAT

Start at: 2018-07-03 20:53:53
End at: 2018-07-03 20:54:23
Local clock offset: 0.062 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 9.094 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 9.211 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 9.002 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 8.341 ms
Loss rate: 4.55%

Run 8: Report of LEDBAT — Data Link

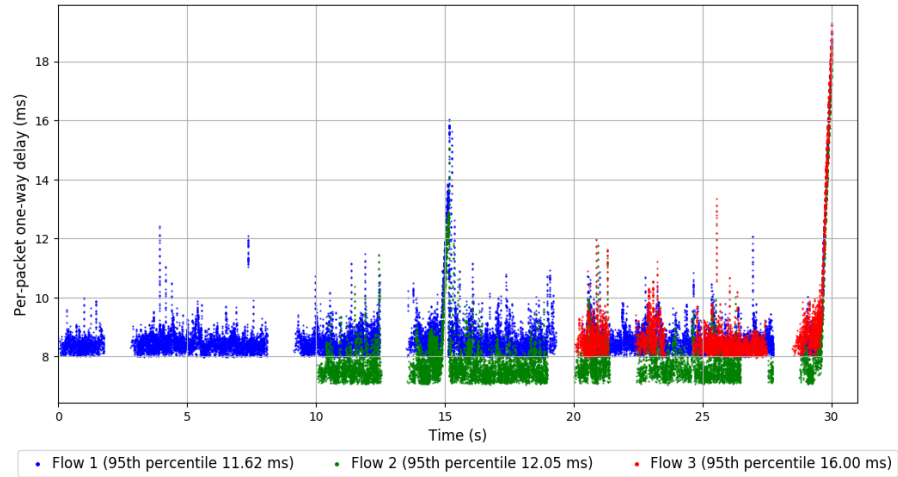
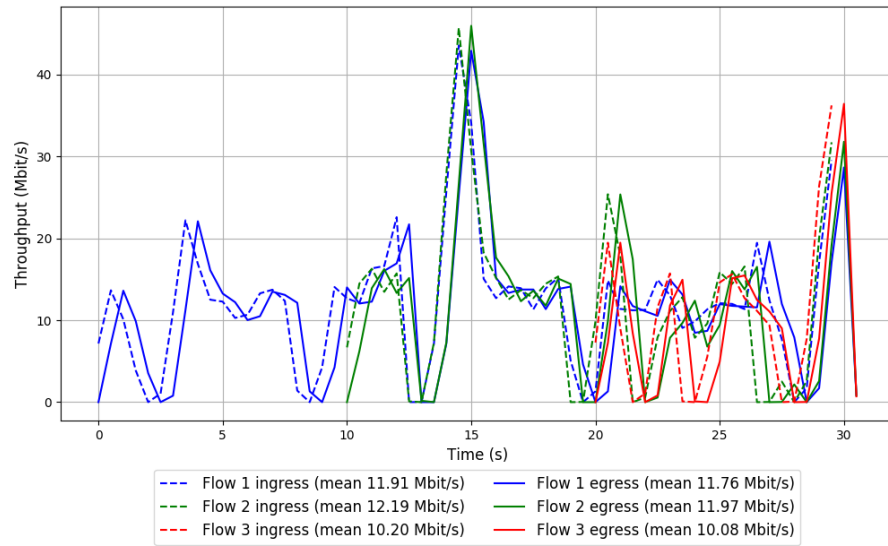


Run 9: Statistics of LEDBAT

Start at: 2018-07-03 21:14:09
End at: 2018-07-03 21:14:39
Local clock offset: 1.572 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-03 21:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 12.373 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 11.617 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 12.053 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 16.002 ms
Loss rate: 1.14%

Run 9: Report of LEDBAT — Data Link

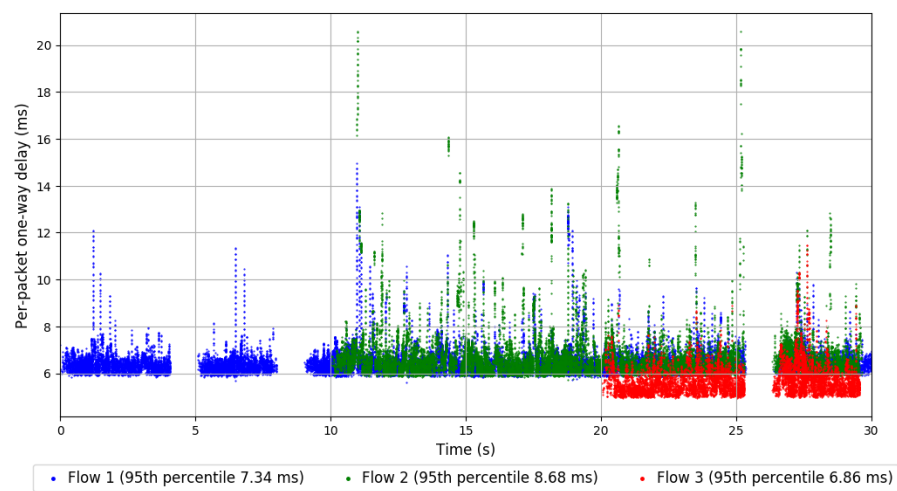
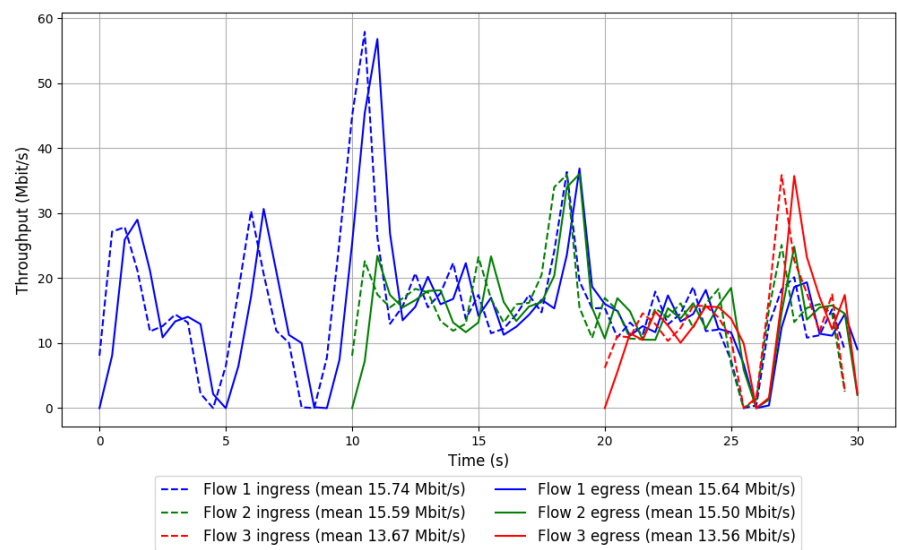


Run 10: Statistics of LEDBAT

Start at: 2018-07-03 21:34:12
End at: 2018-07-03 21:34:42
Local clock offset: 3.44 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-07-03 21:50:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 7.626 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 7.339 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 8.683 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 6.861 ms
Loss rate: 1.07%

Run 10: Report of LEDBAT — Data Link

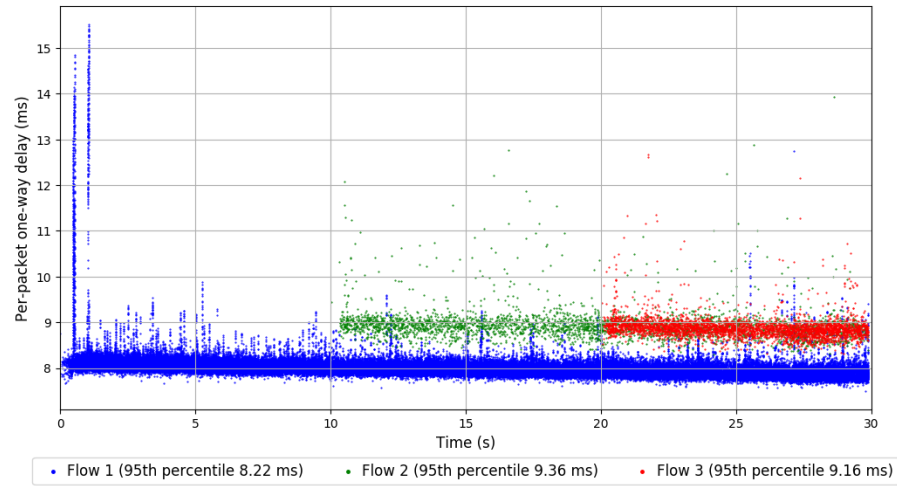
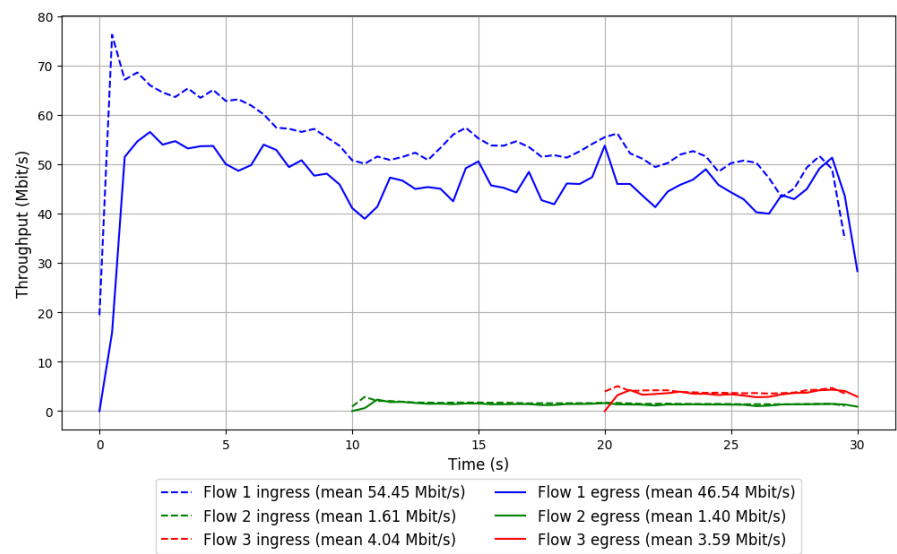


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 18:36:05
End at: 2018-07-03 18:36:35
Local clock offset: -0.334 ms
Remote clock offset: -9.385 ms

# Below is generated by plot.py at 2018-07-03 21:50:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.66 Mbit/s
95th percentile per-packet one-way delay: 8.751 ms
Loss rate: 14.42%
-- Flow 1:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 8.225 ms
Loss rate: 14.53%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 9.359 ms
Loss rate: 12.76%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 9.161 ms
Loss rate: 11.13%
```

Run 1: Report of PCC-Allegro — Data Link

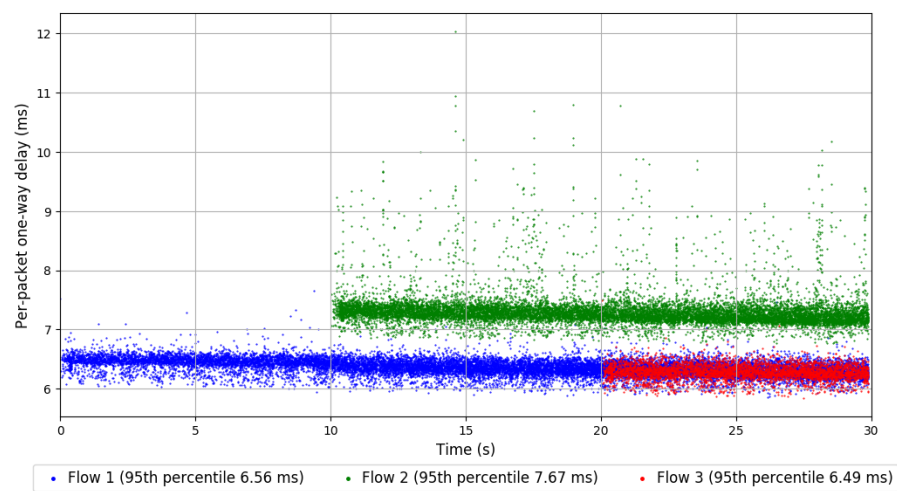
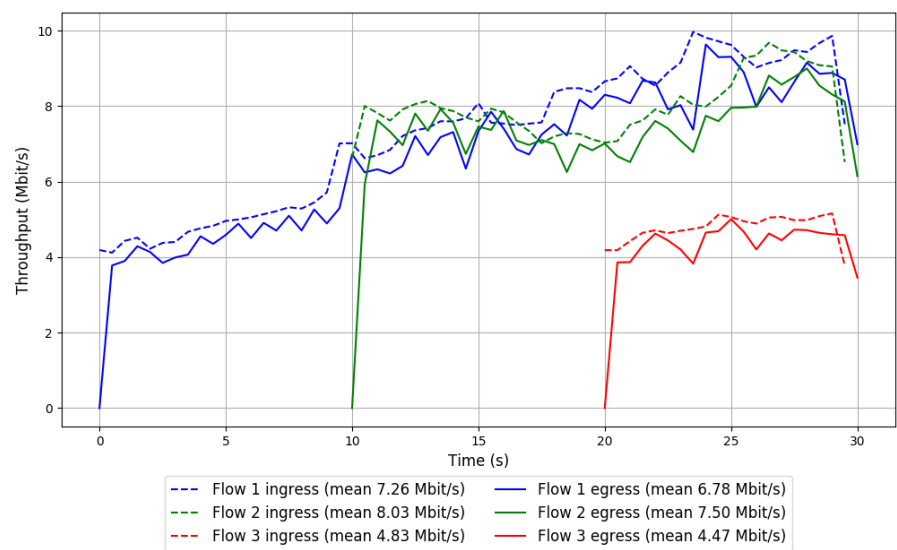


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 18:56:13
End at: 2018-07-03 18:56:43
Local clock offset: -3.876 ms
Remote clock offset: -3.749 ms

Below is generated by plot.py at 2018-07-03 21:50:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 7.428 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 6.562 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 7.672 ms
Loss rate: 6.58%
-- Flow 3:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 6.485 ms
Loss rate: 7.37%

Run 2: Report of PCC-Allegro — Data Link

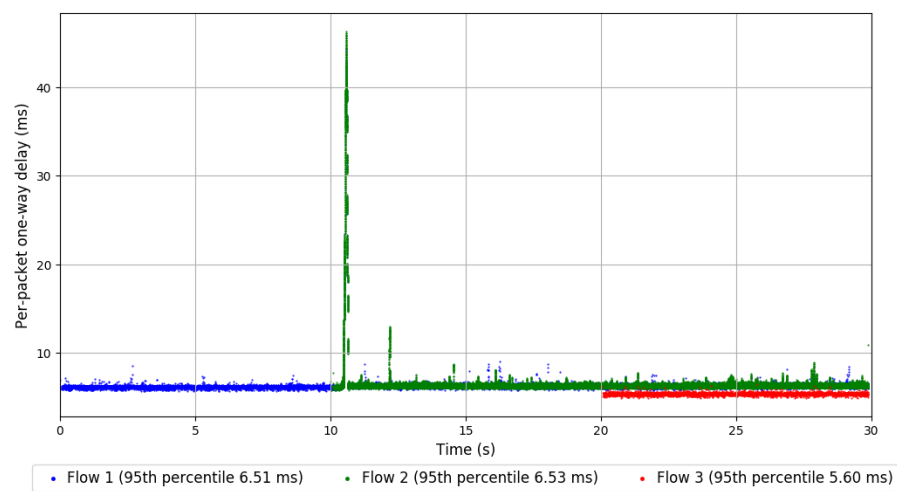
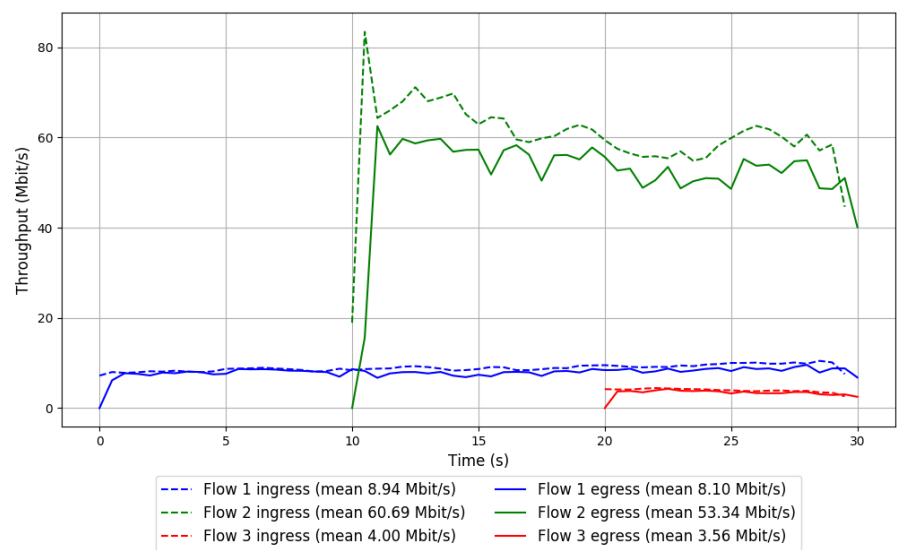


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 19:16:03
End at: 2018-07-03 19:16:33
Local clock offset: 2.062 ms
Remote clock offset: -1.636 ms

Below is generated by plot.py at 2018-07-03 21:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 6.516 ms
Loss rate: 11.60%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 6.507 ms
Loss rate: 9.44%
-- Flow 2:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 6.526 ms
Loss rate: 12.10%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 5.600 ms
Loss rate: 10.98%

Run 3: Report of PCC-Allegro — Data Link

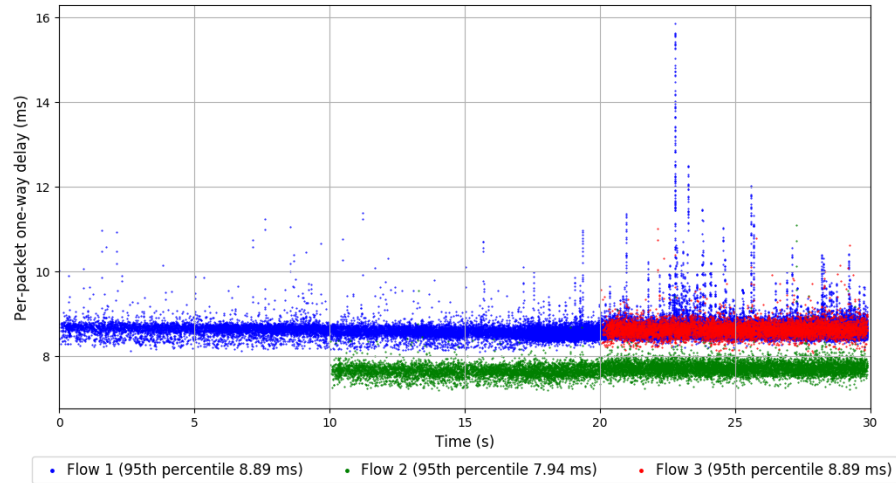
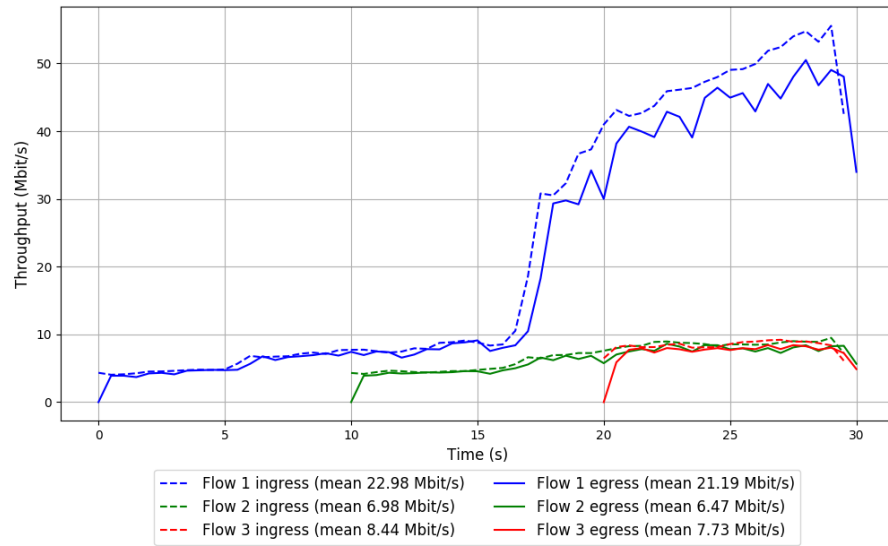


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 19:36:07
End at: 2018-07-03 19:36:37
Local clock offset: -0.932 ms
Remote clock offset: -12.16 ms

Below is generated by plot.py at 2018-07-03 21:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 8.859 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 8.887 ms
Loss rate: 7.79%
-- Flow 2:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 7.936 ms
Loss rate: 7.30%
-- Flow 3:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 8.895 ms
Loss rate: 8.53%

Run 4: Report of PCC-Allegro — Data Link

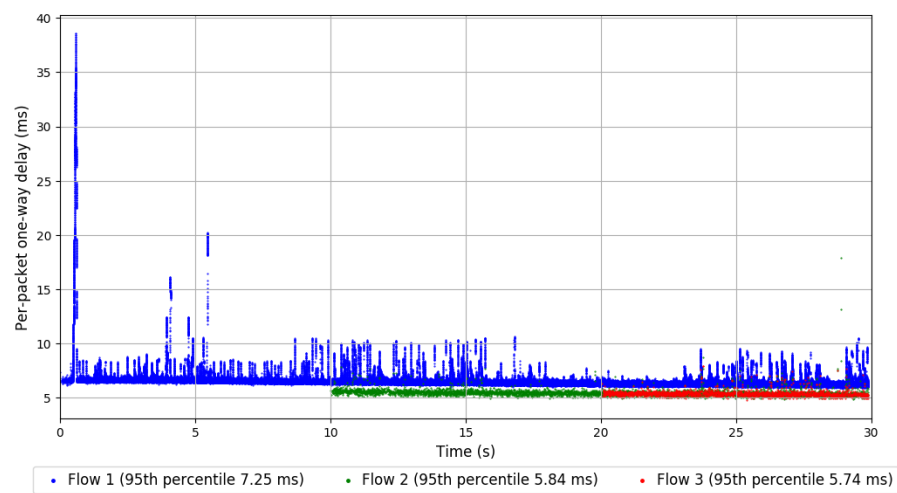
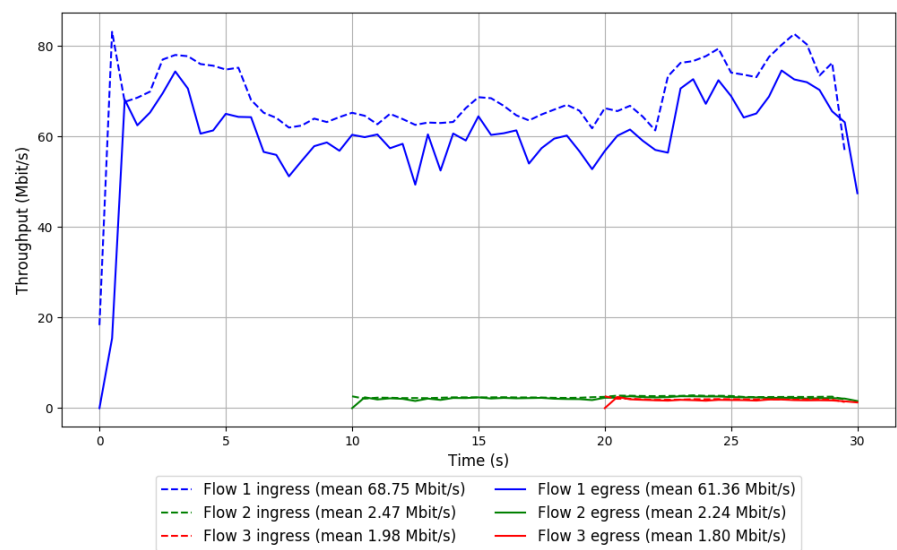


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 19:56:07
End at: 2018-07-03 19:56:37
Local clock offset: -1.97 ms
Remote clock offset: -8.511 ms

Below is generated by plot.py at 2018-07-03 21:51:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 7.197 ms
Loss rate: 10.71%
-- Flow 1:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 7.254 ms
Loss rate: 10.76%
-- Flow 2:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 5.839 ms
Loss rate: 9.36%
-- Flow 3:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 5.743 ms
Loss rate: 8.91%

Run 5: Report of PCC-Allegro — Data Link

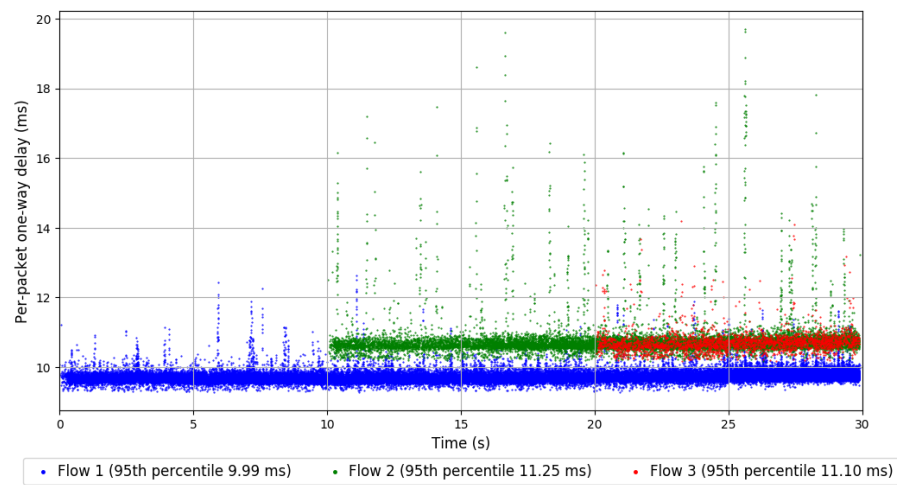
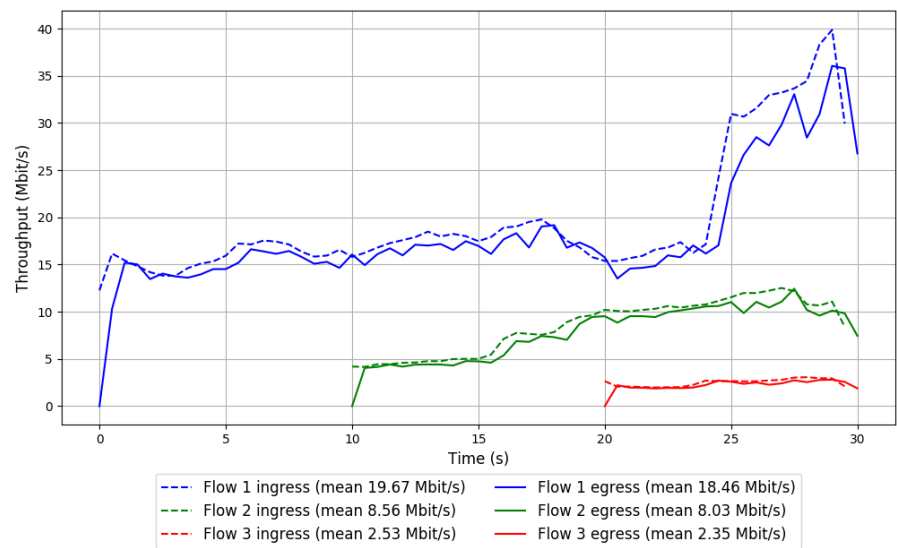


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 20:15:57
End at: 2018-07-03 20:16:27
Local clock offset: -0.959 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-07-03 21:51:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 10.816 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 9.986 ms
Loss rate: 6.15%
-- Flow 2:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 11.251 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 11.104 ms
Loss rate: 7.44%

Run 6: Report of PCC-Allegro — Data Link

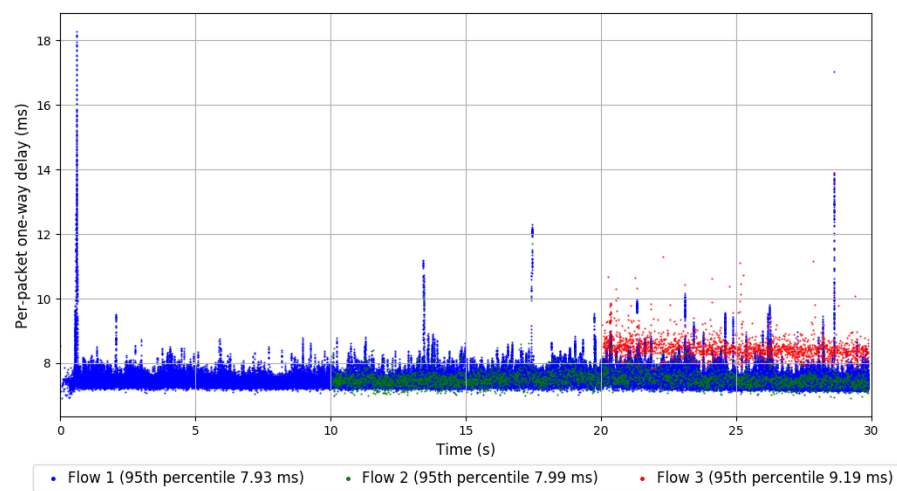
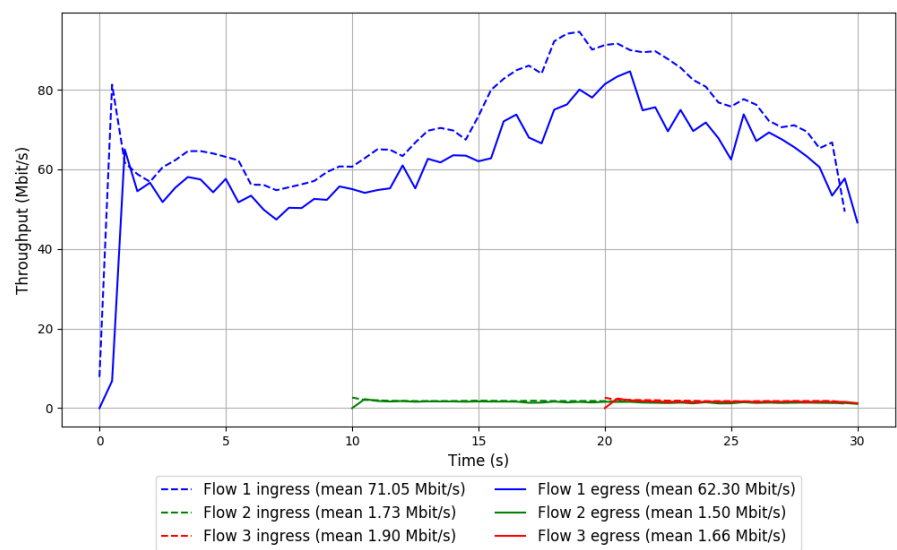


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-03 20:35:39
End at: 2018-07-03 20:36:09
Local clock offset: 2.239 ms
Remote clock offset: -2.035 ms

Below is generated by plot.py at 2018-07-03 21:51:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 7.997 ms
Loss rate: 12.32%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 7.932 ms
Loss rate: 12.31%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 7.993 ms
Loss rate: 12.83%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 9.191 ms
Loss rate: 12.38%

Run 7: Report of PCC-Allegro — Data Link

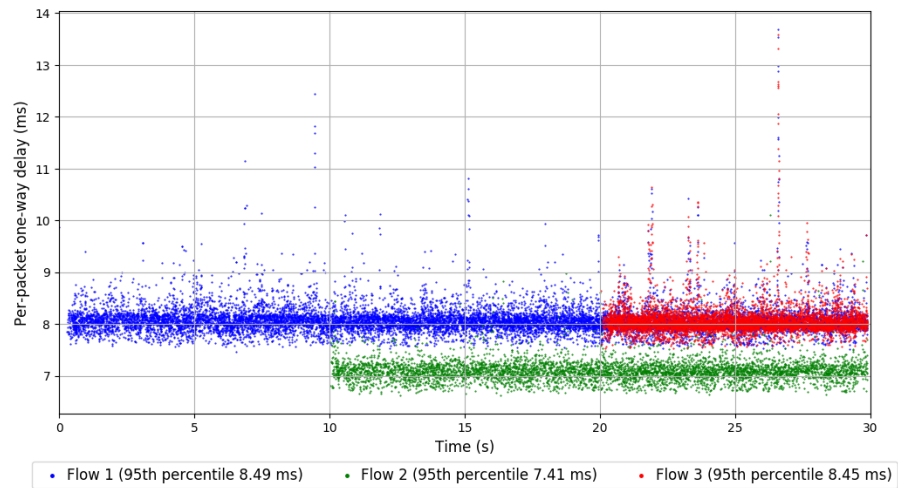
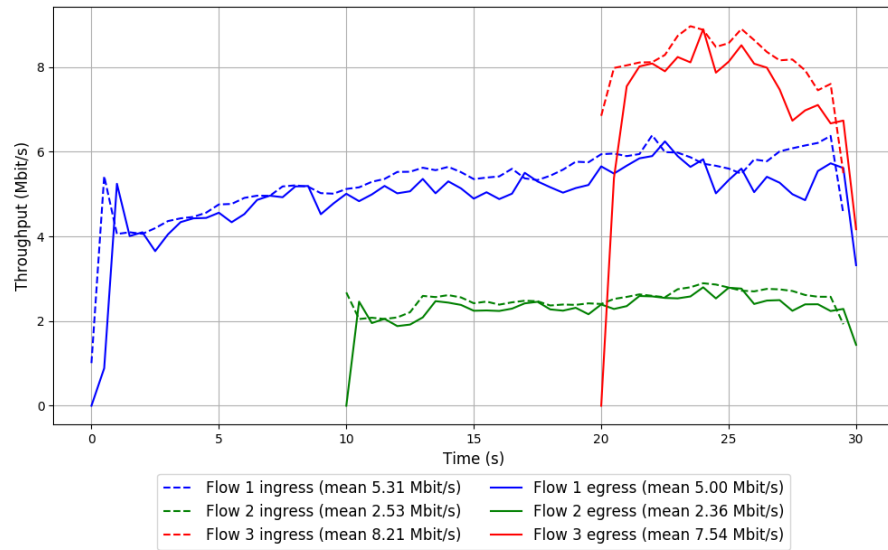


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-03 20:56:07
End at: 2018-07-03 20:56:37
Local clock offset: 0.078 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2018-07-03 21:51:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 8.424 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 8.486 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 7.410 ms
Loss rate: 6.72%
-- Flow 3:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 8.445 ms
Loss rate: 8.10%

Run 8: Report of PCC-Allegro — Data Link

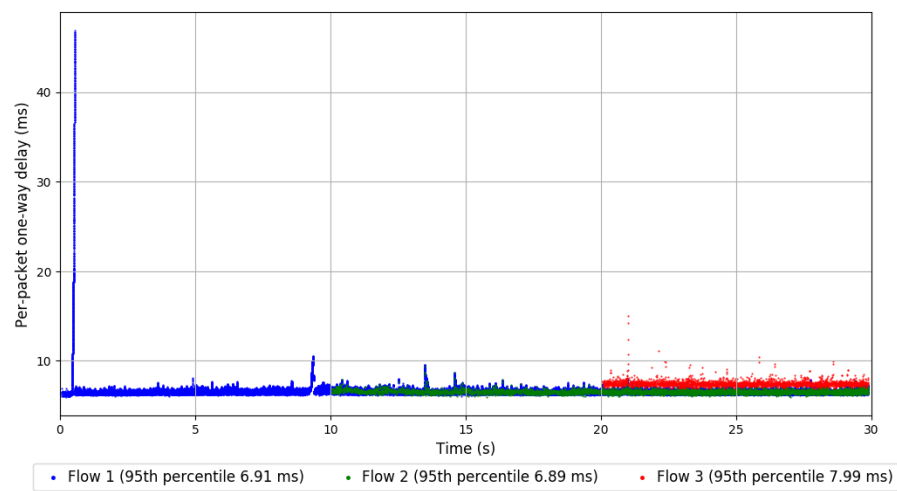
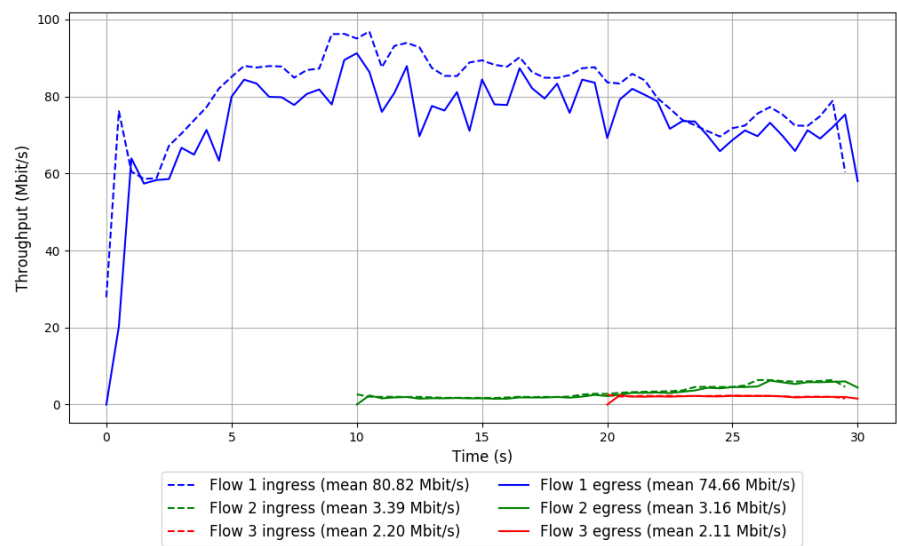


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-03 21:16:22
End at: 2018-07-03 21:16:52
Local clock offset: 2.334 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-07-03 21:51:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 6.967 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 7.63%
-- Flow 2:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 6.890 ms
Loss rate: 6.54%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 7.990 ms
Loss rate: 4.18%

Run 9: Report of PCC-Allegro — Data Link

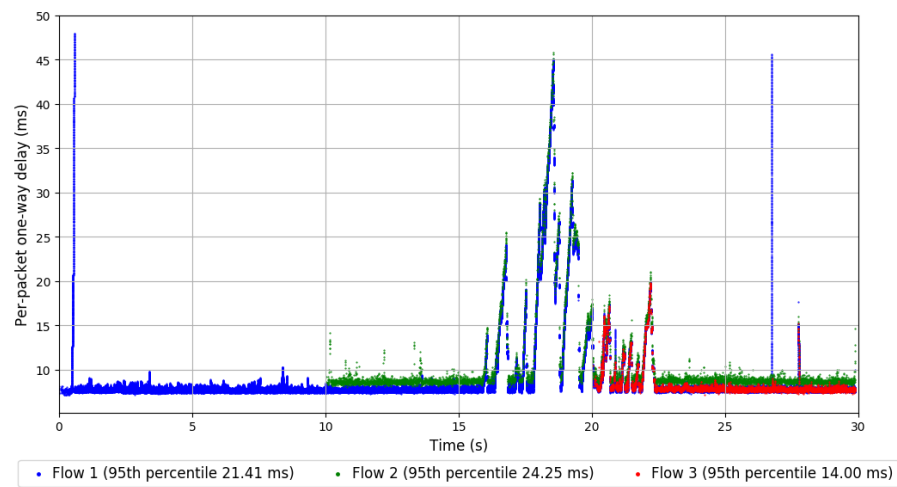
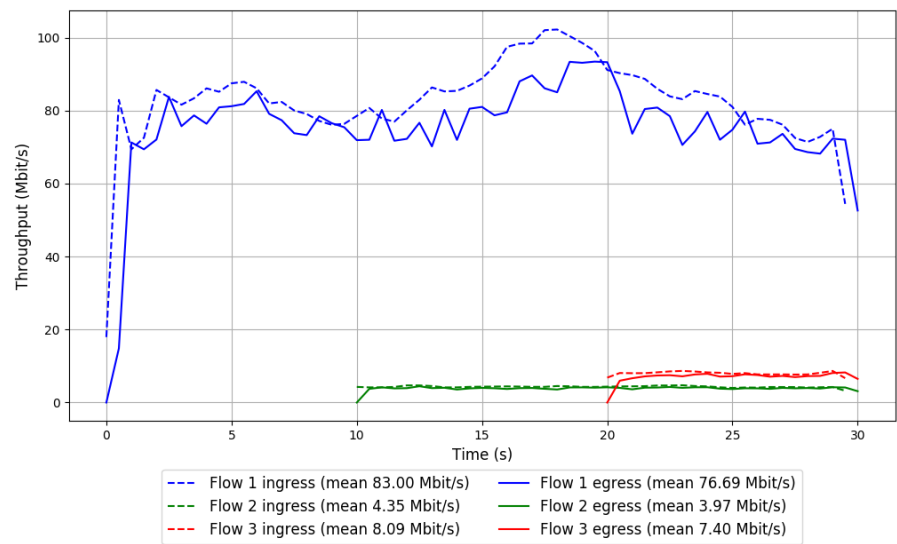


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-03 21:36:28
End at: 2018-07-03 21:36:58
Local clock offset: 1.162 ms
Remote clock offset: -0.651 ms

Below is generated by plot.py at 2018-07-03 21:51:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 21.207 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 21.405 ms
Loss rate: 7.60%
-- Flow 2:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 24.252 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 14.002 ms
Loss rate: 8.47%

Run 10: Report of PCC-Allegro — Data Link

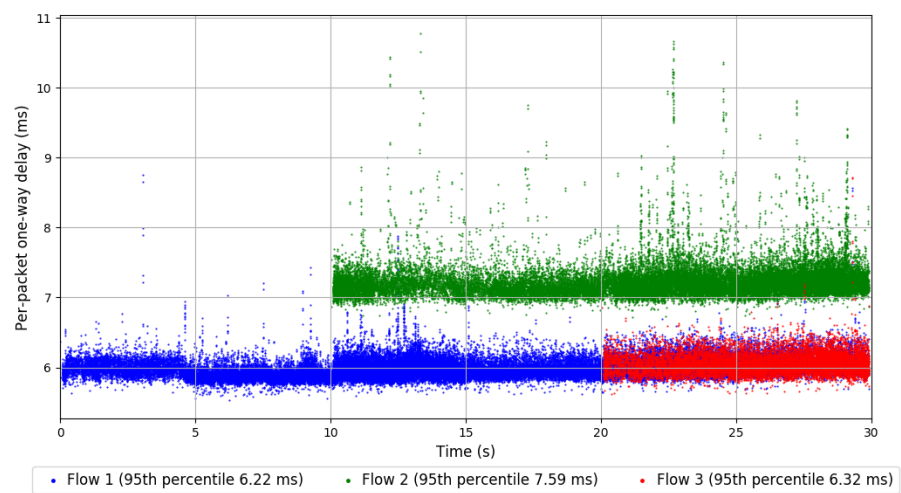
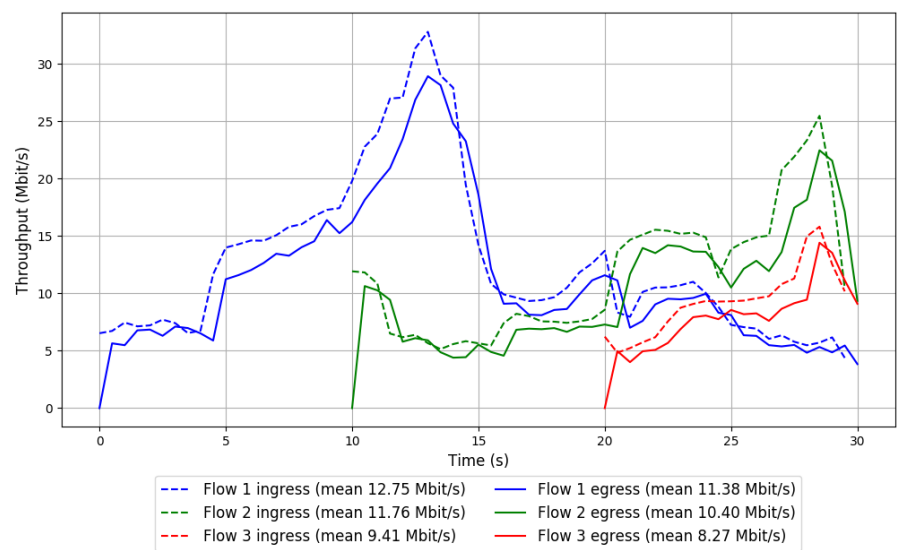


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 18:20:59
End at: 2018-07-03 18:21:29
Local clock offset: 2.735 ms
Remote clock offset: -7.825 ms

# Below is generated by plot.py at 2018-07-03 21:51:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 7.372 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 6.221 ms
Loss rate: 10.80%
-- Flow 2:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 7.586 ms
Loss rate: 11.54%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 6.324 ms
Loss rate: 12.09%
```

Run 1: Report of PCC-Expr — Data Link

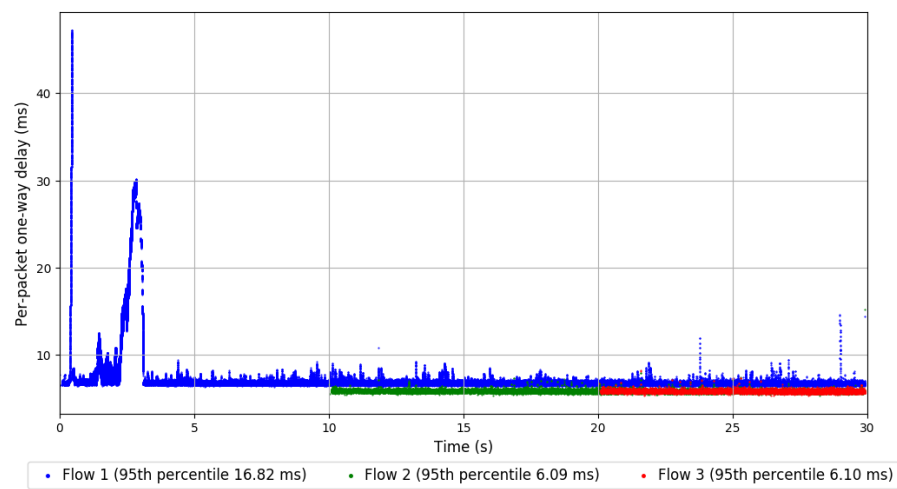
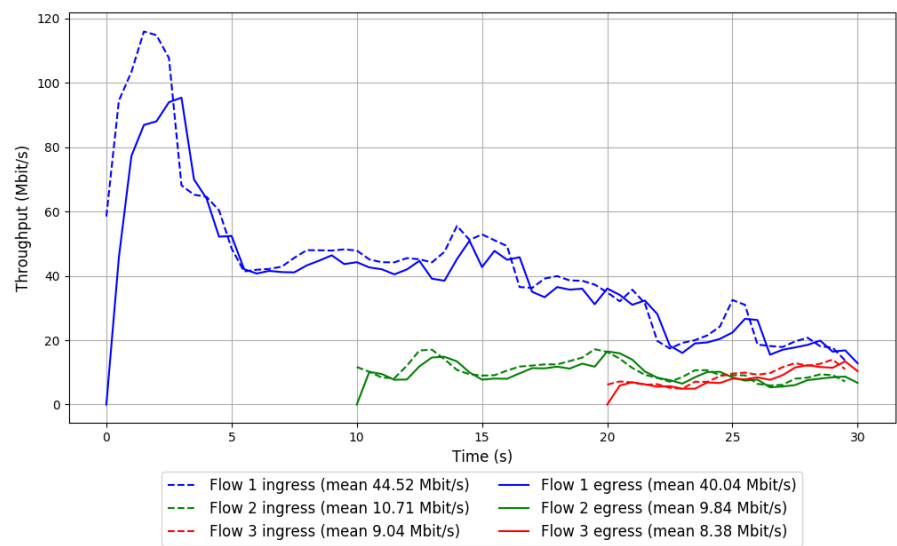


Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 18:40:50
End at: 2018-07-03 18:41:20
Local clock offset: -0.074 ms
Remote clock offset: -9.835 ms

Below is generated by plot.py at 2018-07-03 21:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 14.708 ms
Loss rate: 9.64%
-- Flow 1:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 16.822 ms
Loss rate: 10.05%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 6.088 ms
Loss rate: 8.09%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 6.099 ms
Loss rate: 7.30%

Run 2: Report of PCC-Expr — Data Link

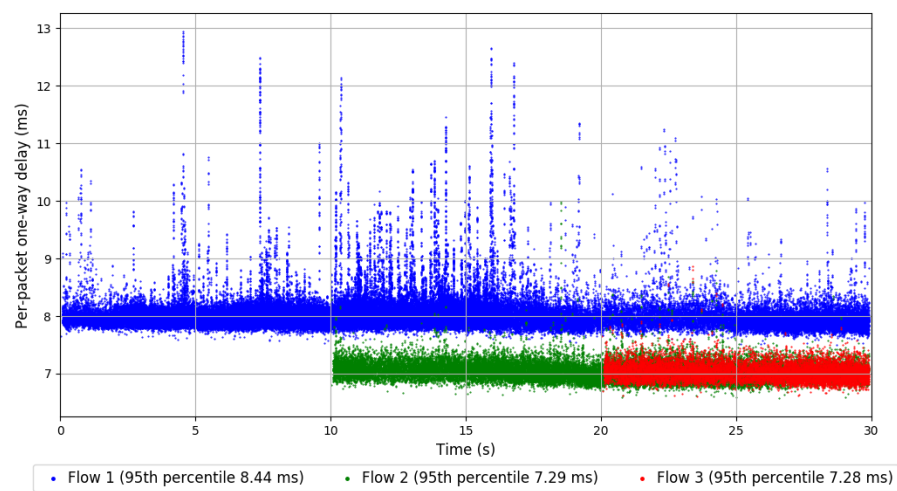
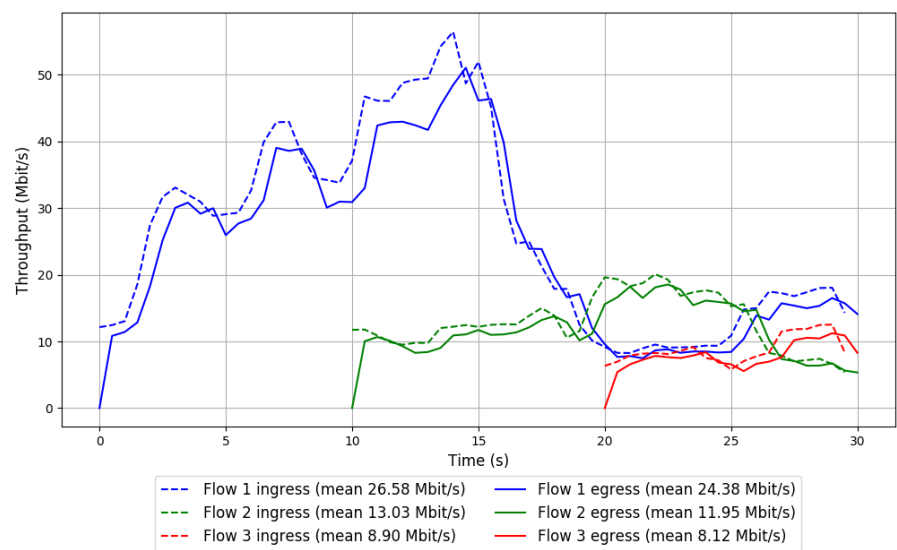


Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 19:00:58
End at: 2018-07-03 19:01:28
Local clock offset: -4.679 ms
Remote clock offset: -2.442 ms

Below is generated by plot.py at 2018-07-03 21:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 8.313 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 8.441 ms
Loss rate: 8.27%
-- Flow 2:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 8.28%
-- Flow 3:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 7.279 ms
Loss rate: 8.75%

Run 3: Report of PCC-Expr — Data Link

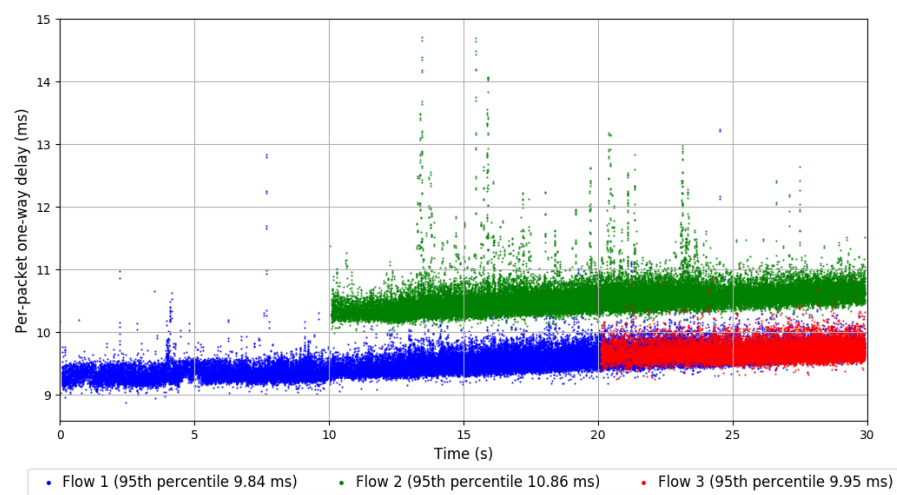
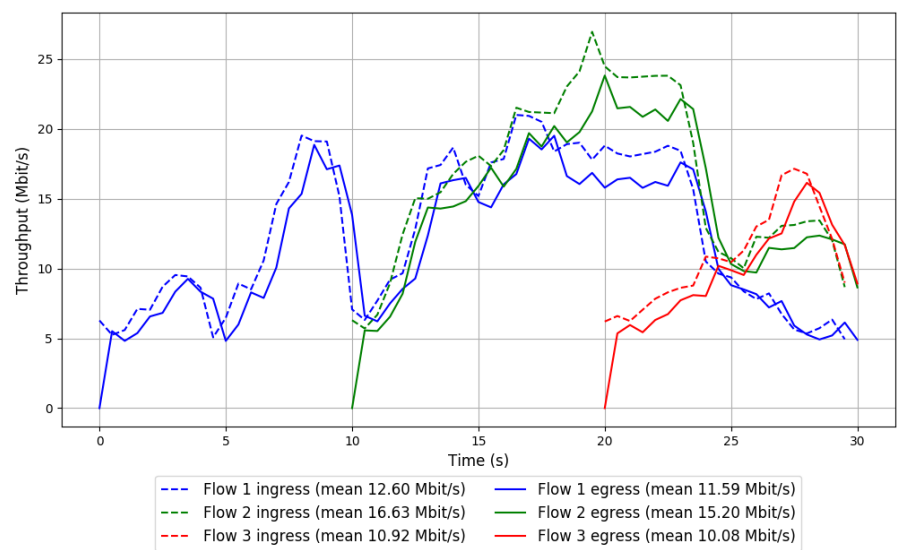


Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 19:21:08
End at: 2018-07-03 19:21:38
Local clock offset: -0.533 ms
Remote clock offset: -4.204 ms

Below is generated by plot.py at 2018-07-03 21:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 10.727 ms
Loss rate: 8.21%
-- Flow 1:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 9.844 ms
Loss rate: 7.99%
-- Flow 2:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 10.857 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 7.70%

Run 4: Report of PCC-Expr — Data Link

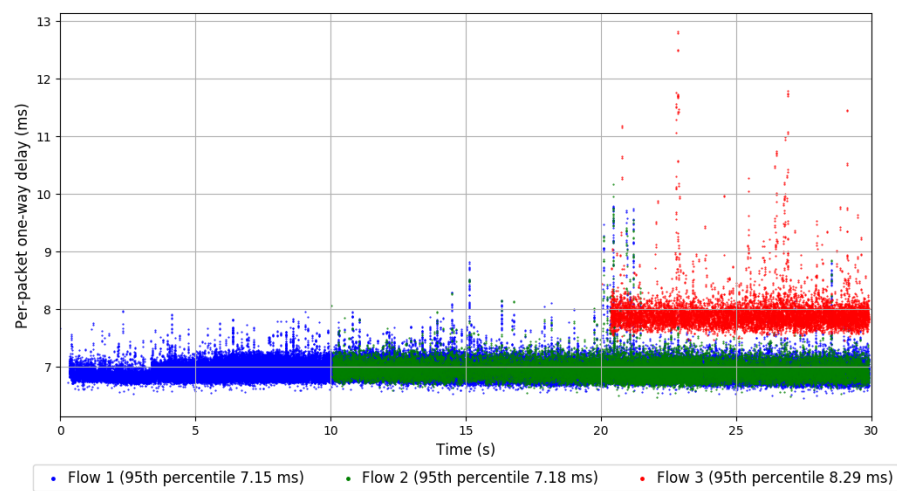
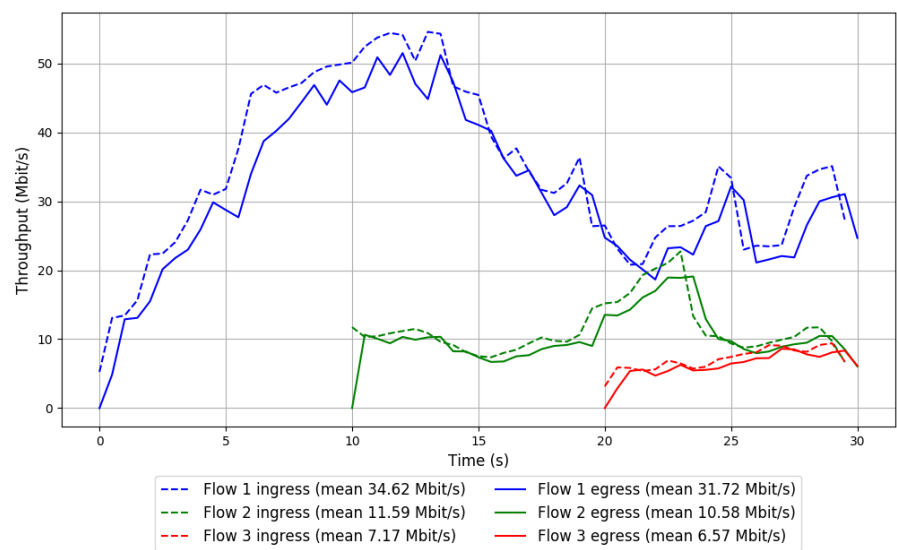


Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 19:40:52
End at: 2018-07-03 19:41:22
Local clock offset: -1.71 ms
Remote clock offset: -12.983 ms

Below is generated by plot.py at 2018-07-03 21:52:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 7.717 ms
Loss rate: 8.45%
-- Flow 1:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 7.153 ms
Loss rate: 8.39%
-- Flow 2:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 7.183 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 8.290 ms
Loss rate: 8.44%

Run 5: Report of PCC-Expr — Data Link

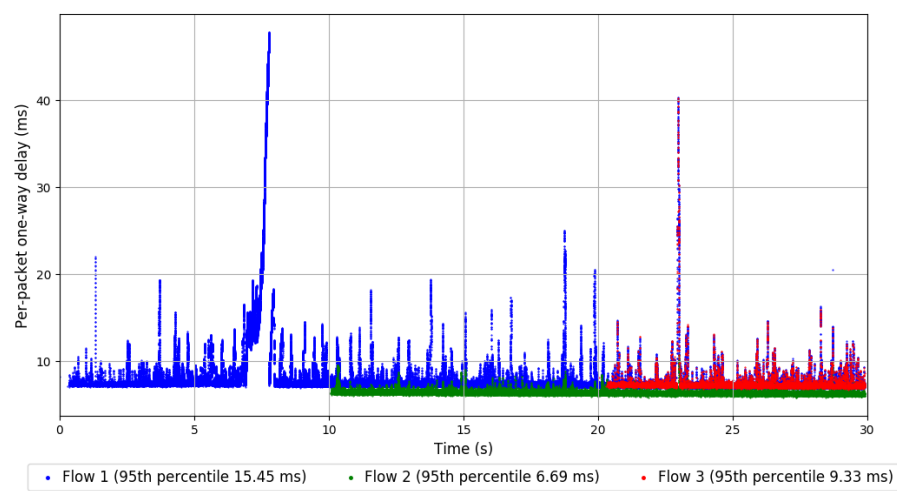
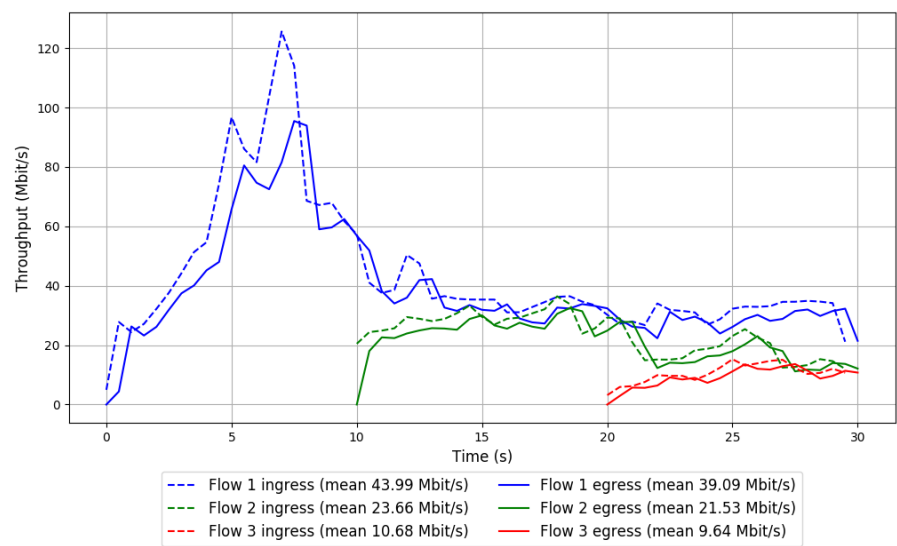


Run 6: Statistics of PCC-Expr

Start at: 2018-07-03 20:00:52
End at: 2018-07-03 20:01:22
Local clock offset: -3.848 ms
Remote clock offset: -5.588 ms

Below is generated by plot.py at 2018-07-03 21:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 13.801 ms
Loss rate: 10.52%
-- Flow 1:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 15.452 ms
Loss rate: 11.14%
-- Flow 2:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 6.694 ms
Loss rate: 8.97%
-- Flow 3:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 9.327 ms
Loss rate: 9.69%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-03 20:20:38

End at: 2018-07-03 20:21:08

Local clock offset: 2.822 ms

Remote clock offset: 0.898 ms

Below is generated by plot.py at 2018-07-03 21:52:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 8.497 ms

Loss rate: 7.87%

-- Flow 1:

Average throughput: 38.84 Mbit/s

95th percentile per-packet one-way delay: 8.130 ms

Loss rate: 7.93%

-- Flow 2:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 8.862 ms

Loss rate: 6.91%

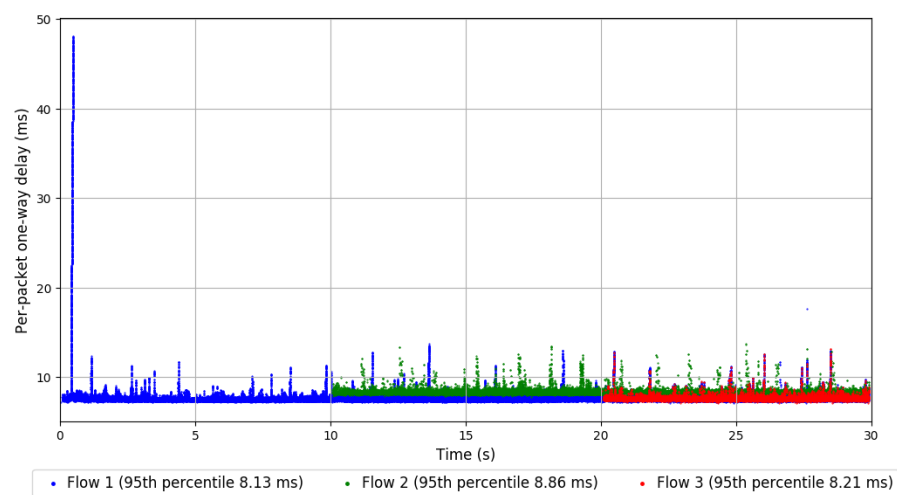
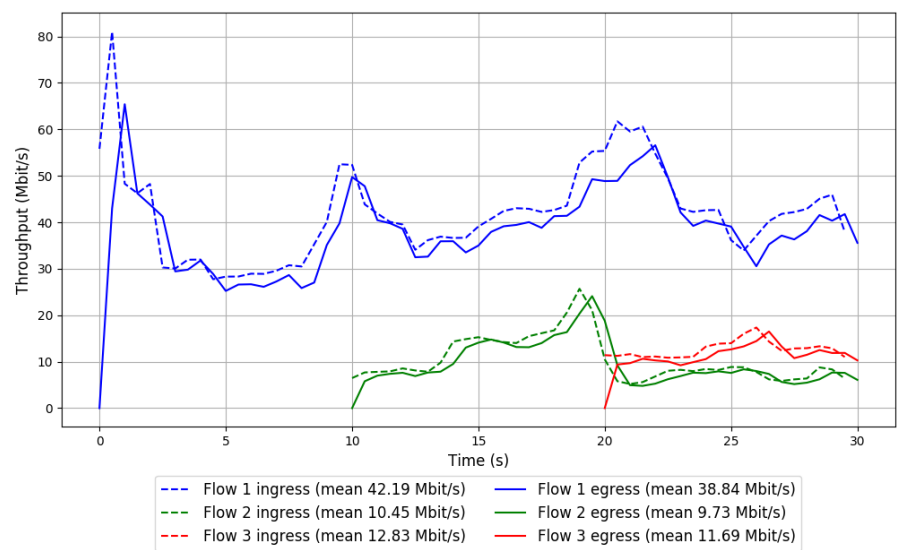
-- Flow 3:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 8.206 ms

Loss rate: 8.85%

Run 7: Report of PCC-Expr — Data Link

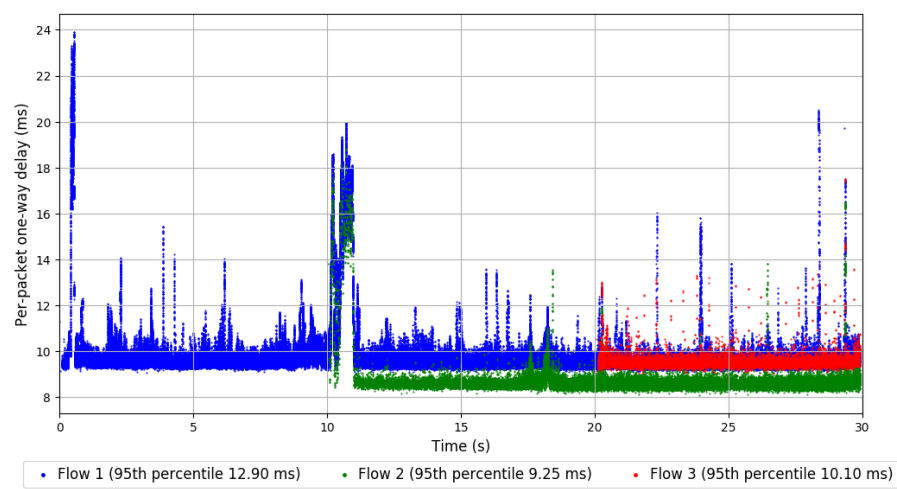
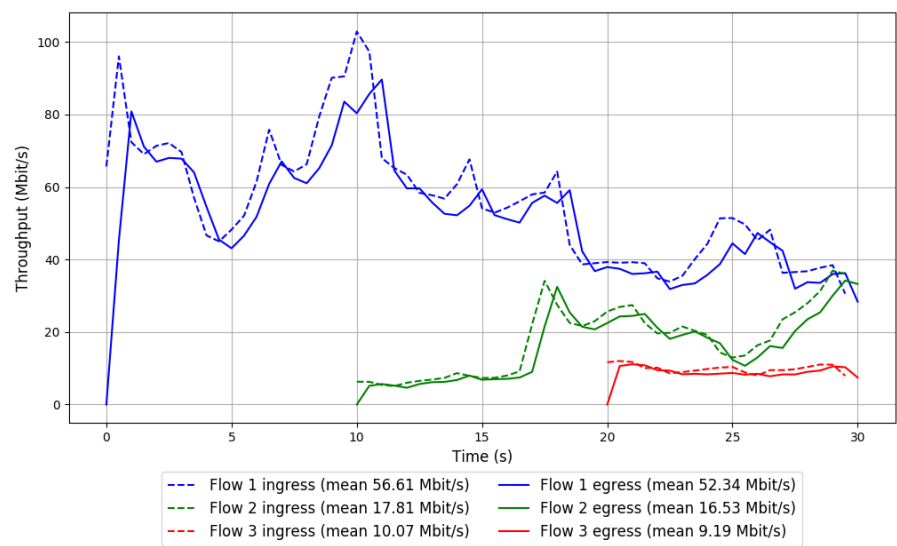


Run 8: Statistics of PCC-Expr

Start at: 2018-07-03 20:40:25
End at: 2018-07-03 20:40:55
Local clock offset: 0.557 ms
Remote clock offset: -1.758 ms

Below is generated by plot.py at 2018-07-03 21:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.37 Mbit/s
95th percentile per-packet one-way delay: 11.748 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 52.34 Mbit/s
95th percentile per-packet one-way delay: 12.901 ms
Loss rate: 7.55%
-- Flow 2:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 9.246 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 10.104 ms
Loss rate: 8.70%

Run 8: Report of PCC-Expr — Data Link

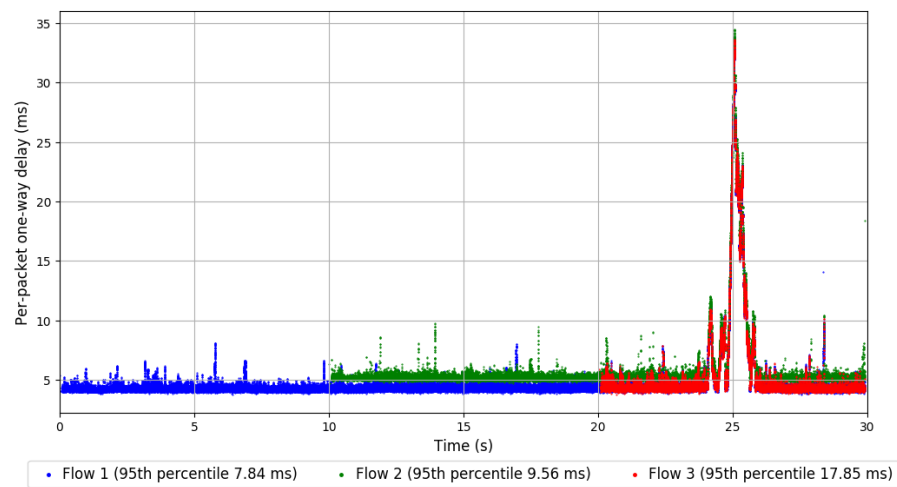
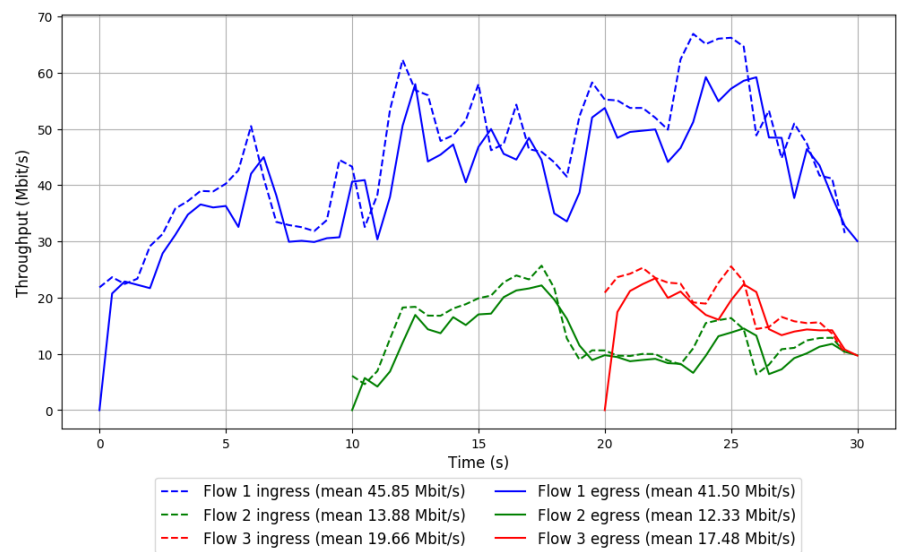


Run 9: Statistics of PCC-Expr

Start at: 2018-07-03 21:00:52
End at: 2018-07-03 21:01:22
Local clock offset: 2.145 ms
Remote clock offset: -3.075 ms

Below is generated by plot.py at 2018-07-03 21:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 8.815 ms
Loss rate: 9.91%
-- Flow 1:
Average throughput: 41.50 Mbit/s
95th percentile per-packet one-way delay: 7.840 ms
Loss rate: 9.50%
-- Flow 2:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 9.565 ms
Loss rate: 11.11%
-- Flow 3:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 17.854 ms
Loss rate: 11.12%

Run 9: Report of PCC-Expr — Data Link

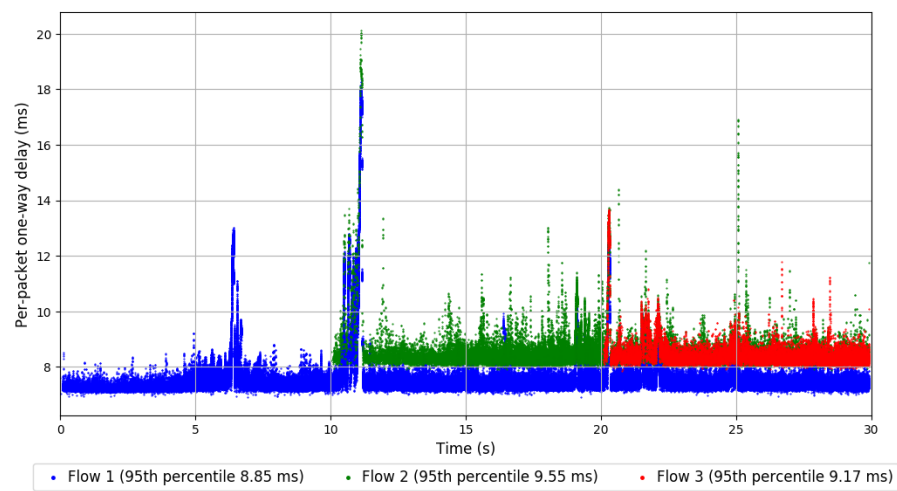
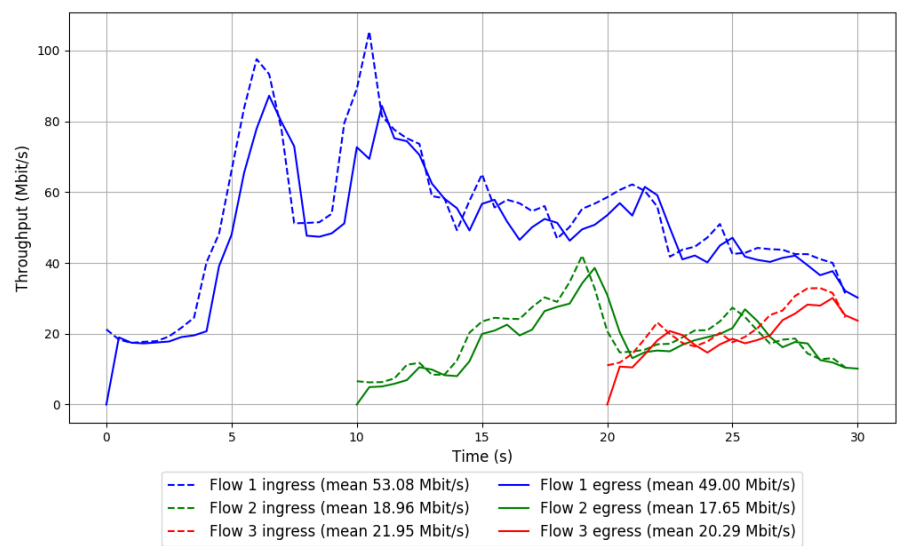


Run 10: Statistics of PCC-Expr

Start at: 2018-07-03 21:21:08
End at: 2018-07-03 21:21:38
Local clock offset: 1.734 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 8.848 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 9.555 ms
Loss rate: 6.92%
-- Flow 3:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 9.173 ms
Loss rate: 7.55%

Run 10: Report of PCC-Expr — Data Link

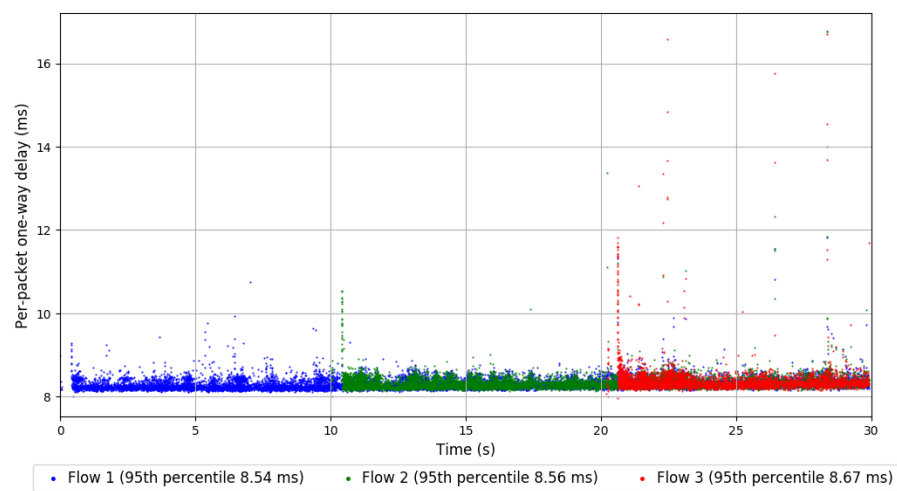
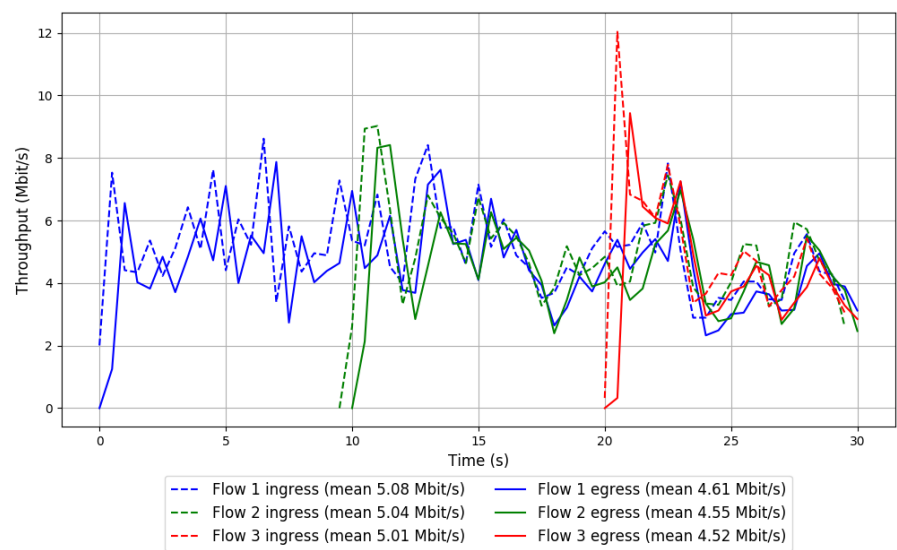


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-03 18:31:30
End at: 2018-07-03 18:32:00
Local clock offset: 1.474 ms
Remote clock offset: -8.488 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 8.568 ms
Loss rate: 9.71%
-- Flow 1:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 8.543 ms
Loss rate: 9.32%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 8.562 ms
Loss rate: 9.67%
-- Flow 3:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 8.666 ms
Loss rate: 11.02%

Run 1: Report of QUIC Cubic — Data Link

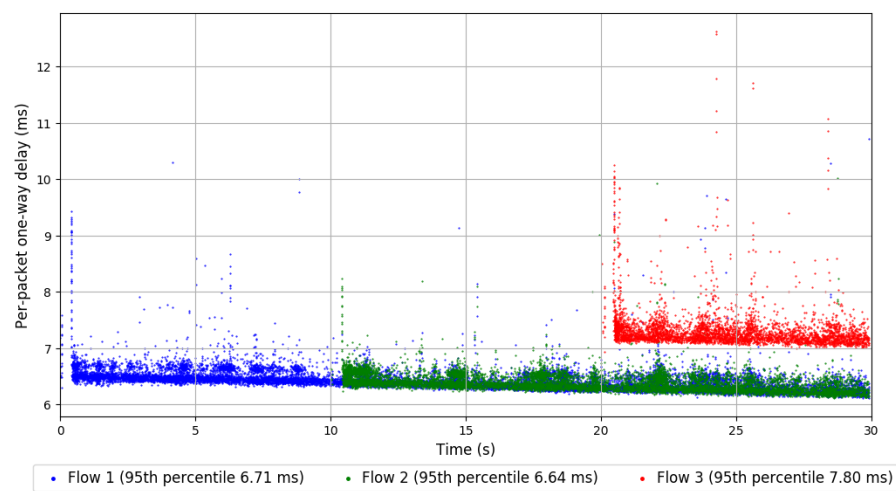
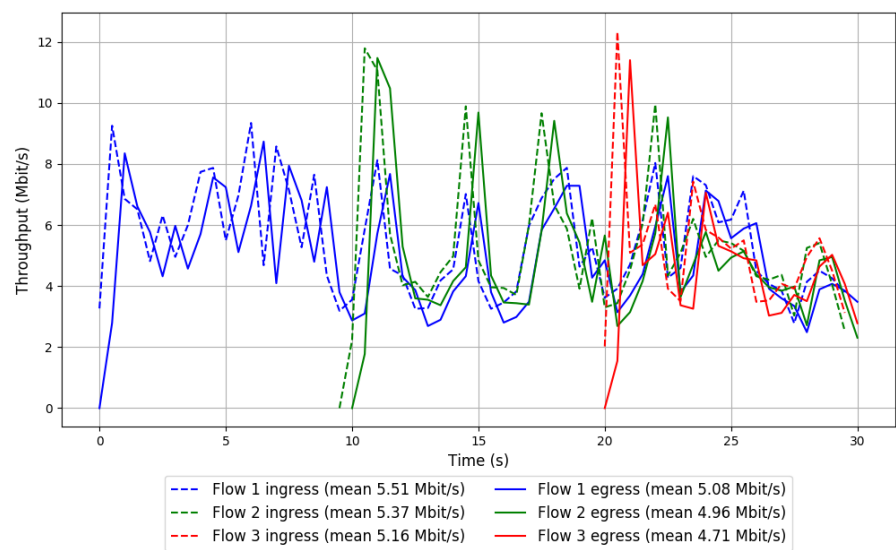


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-03 18:51:37
End at: 2018-07-03 18:52:07
Local clock offset: -3.409 ms
Remote clock offset: -5.254 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 7.345 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 6.710 ms
Loss rate: 7.64%
-- Flow 2:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 6.644 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 7.801 ms
Loss rate: 8.62%

Run 2: Report of QUIC Cubic — Data Link

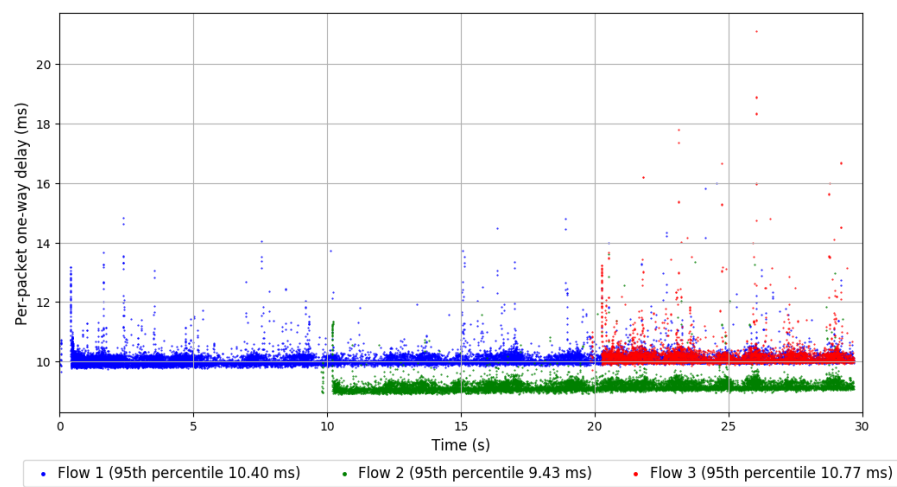
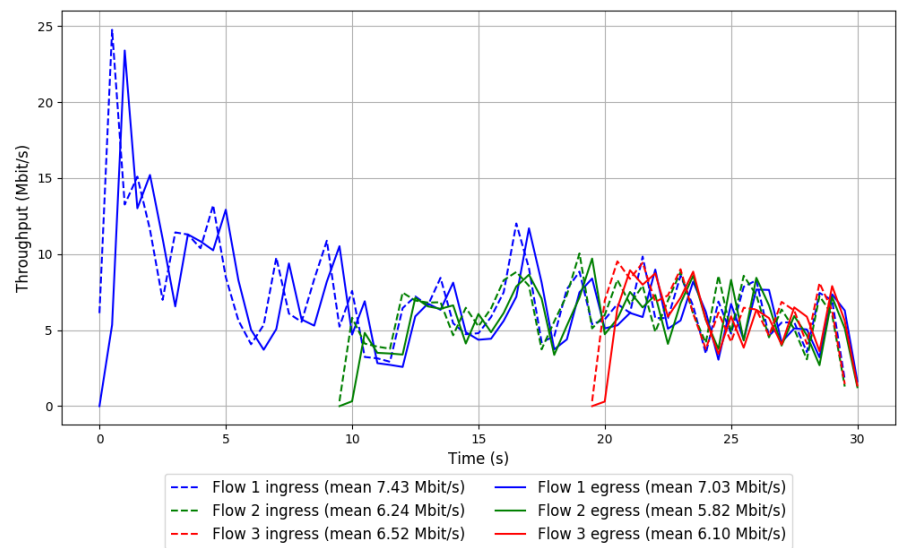


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 19:11:24
End at: 2018-07-03 19:11:54
Local clock offset: -3.263 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 10.370 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 10.396 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 9.432 ms
Loss rate: 6.71%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 10.767 ms
Loss rate: 6.48%

Run 3: Report of QUIC Cubic — Data Link

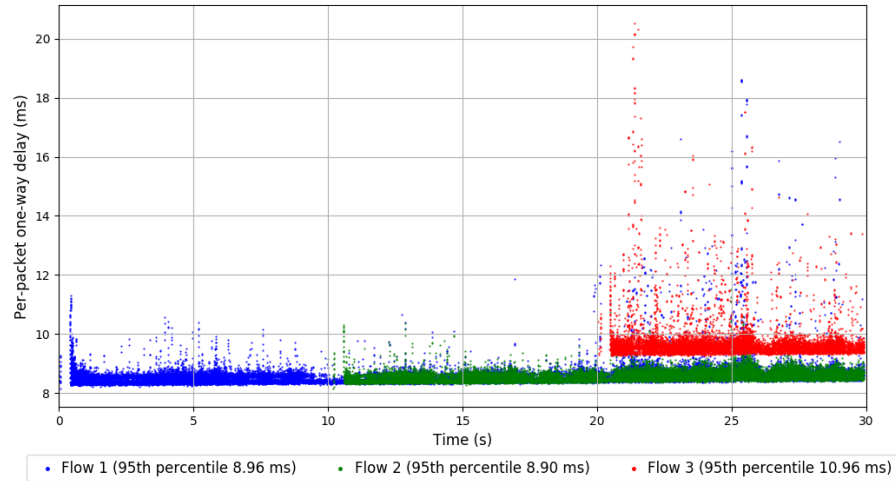
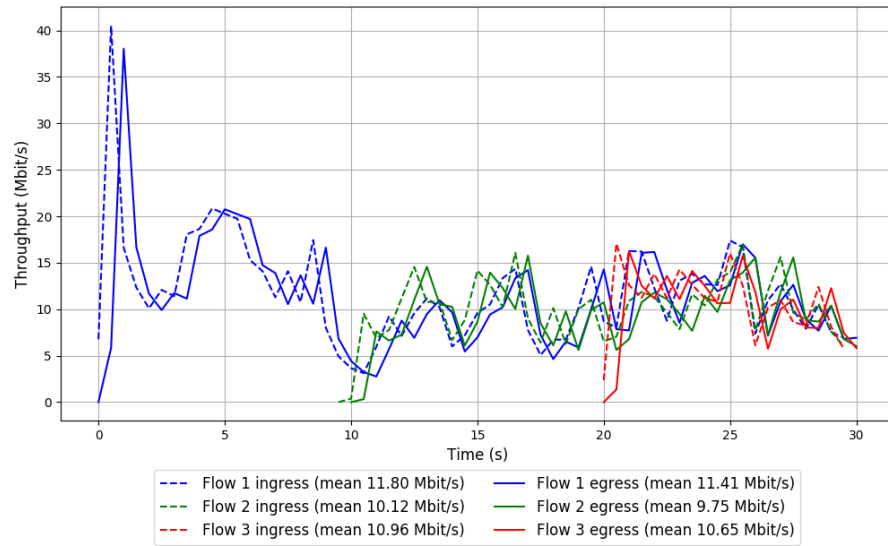


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 19:31:27
End at: 2018-07-03 19:31:58
Local clock offset: 0.58 ms
Remote clock offset: -10.277 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 9.751 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 8.964 ms
Loss rate: 3.29%
-- Flow 2:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 8.903 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 10.961 ms
Loss rate: 2.88%

Run 4: Report of QUIC Cubic — Data Link

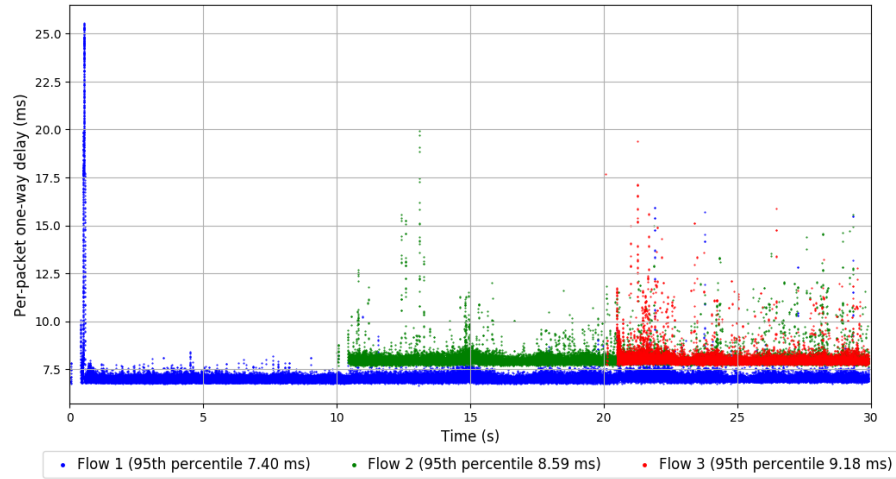
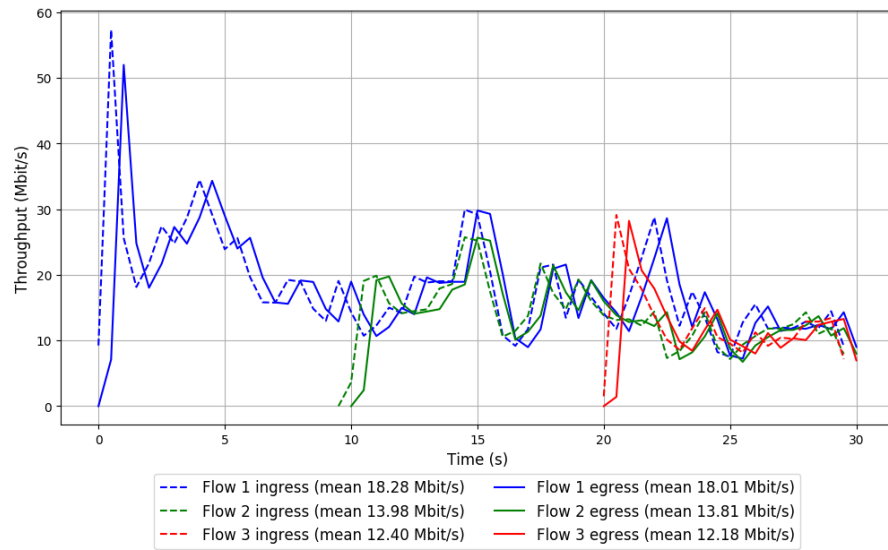


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-03 19:51:28
End at: 2018-07-03 19:51:58
Local clock offset: -2.909 ms
Remote clock offset: -13.64 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 8.356 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 7.396 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 8.588 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 9.175 ms
Loss rate: 1.89%

Run 5: Report of QUIC Cubic — Data Link

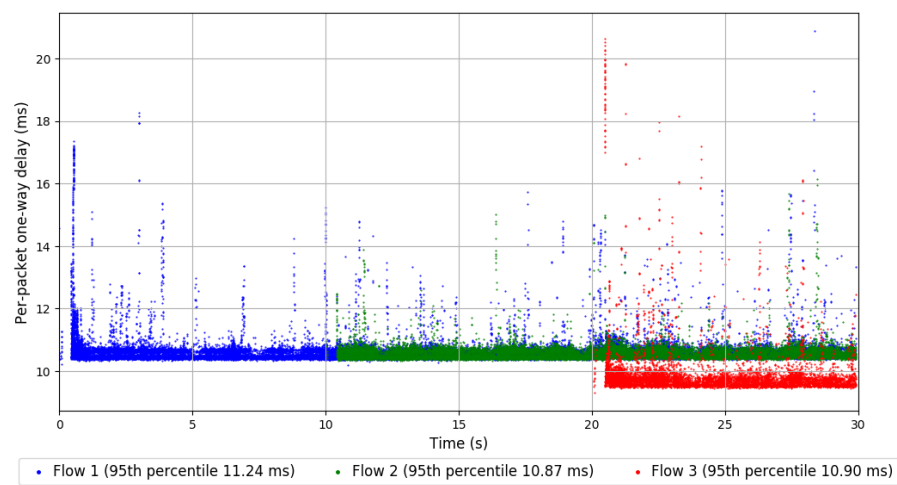
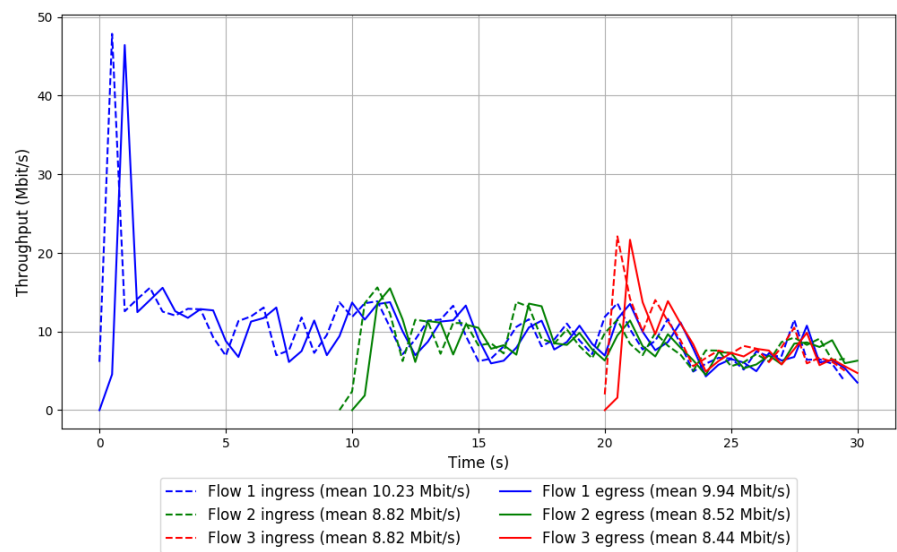


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 20:11:23
End at: 2018-07-03 20:11:53
Local clock offset: -1.855 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 11.039 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 11.241 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 10.866 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 10.903 ms
Loss rate: 4.23%

Run 6: Report of QUIC Cubic — Data Link

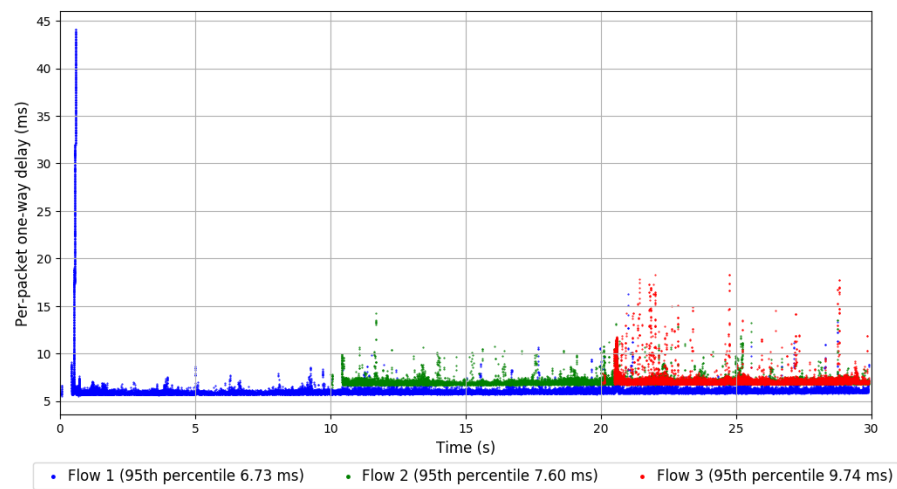
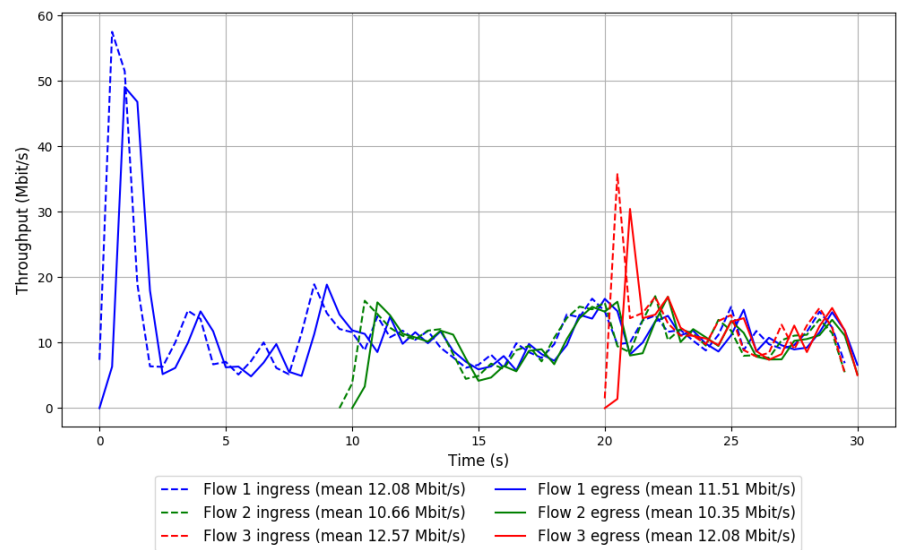


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-03 20:31:05
End at: 2018-07-03 20:31:35
Local clock offset: 4.541 ms
Remote clock offset: -1.224 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 7.673 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 6.730 ms
Loss rate: 4.75%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 7.600 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 9.743 ms
Loss rate: 3.93%

Run 7: Report of QUIC Cubic — Data Link

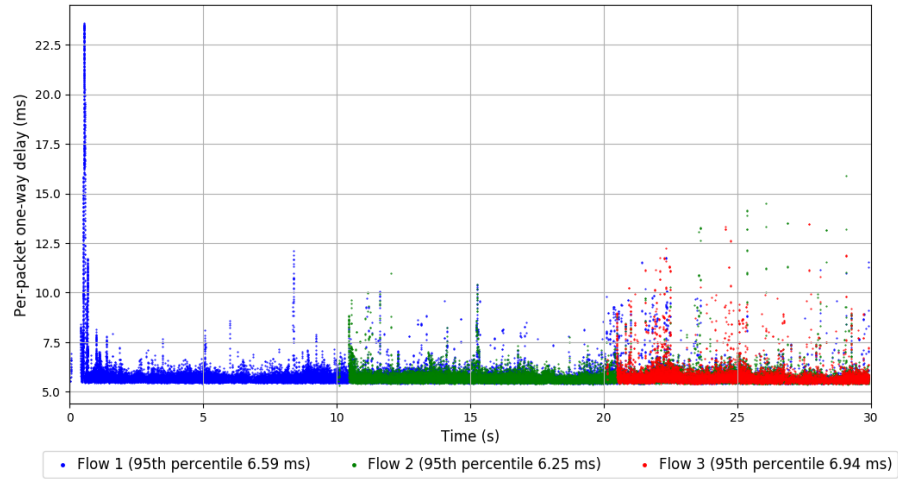
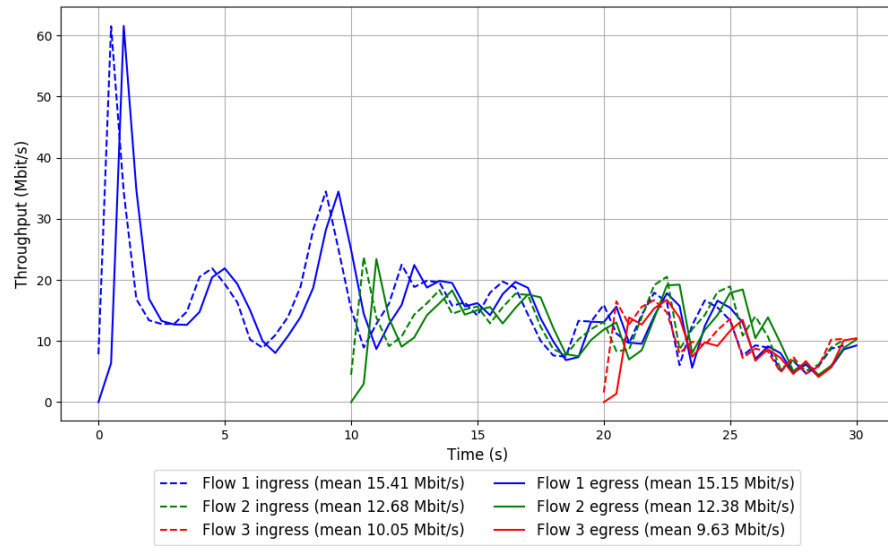


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-03 20:51:20
End at: 2018-07-03 20:51:50
Local clock offset: 2.353 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 6.472 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 6.595 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 6.254 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 6.938 ms
Loss rate: 4.11%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-03 21:11:49

End at: 2018-07-03 21:12:19

Local clock offset: -0.812 ms

Remote clock offset: -1.62 ms

Below is generated by plot.py at 2018-07-03 21:53:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 13.458 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 18.55 Mbit/s

95th percentile per-packet one-way delay: 11.601 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 15.347 ms

Loss rate: 2.96%

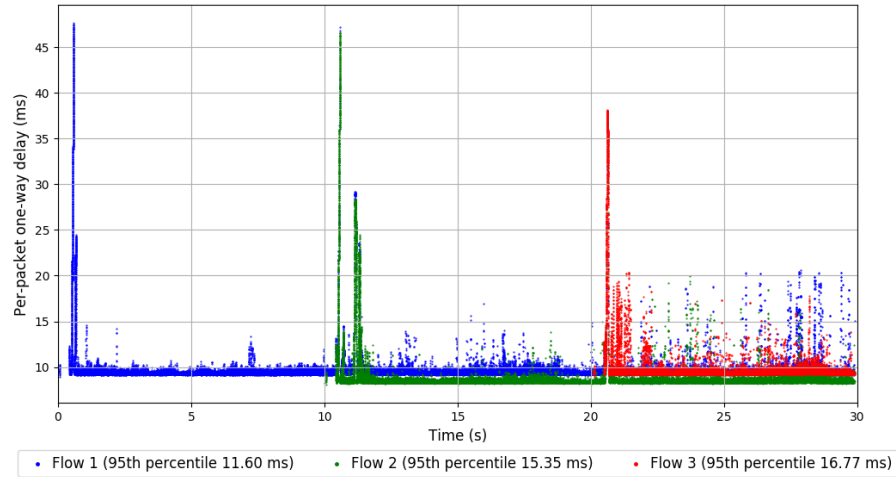
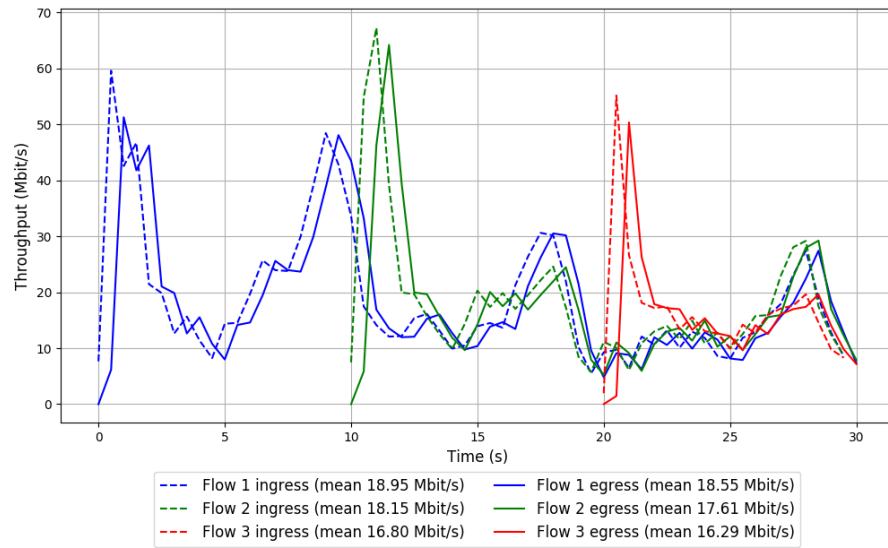
-- Flow 3:

Average throughput: 16.29 Mbit/s

95th percentile per-packet one-way delay: 16.765 ms

Loss rate: 3.04%

Run 9: Report of QUIC Cubic — Data Link

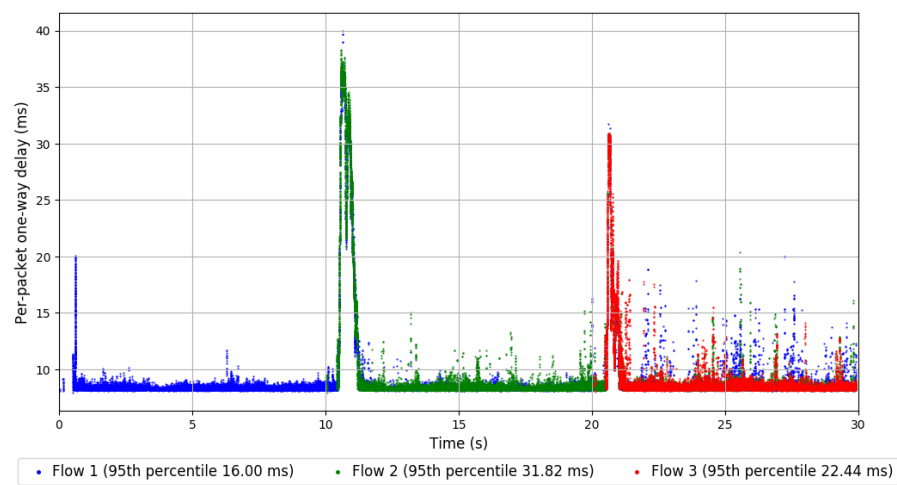
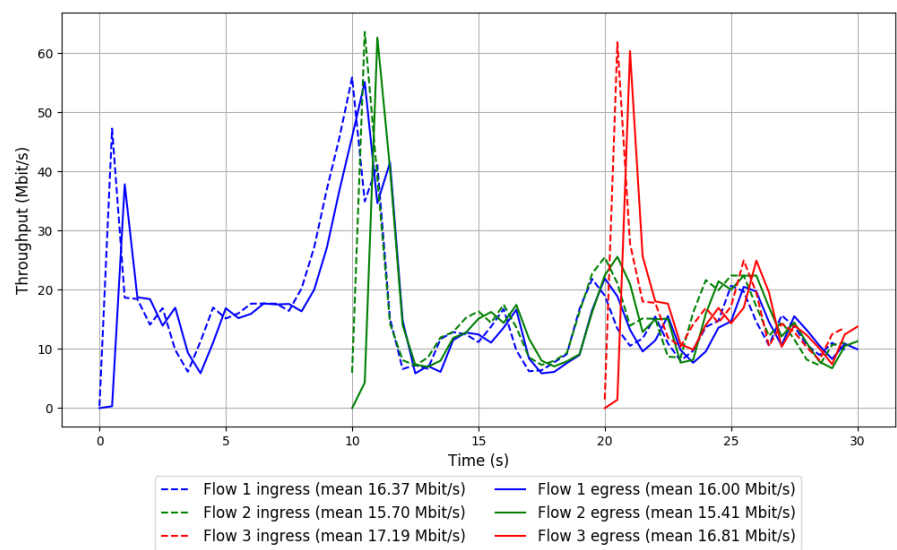


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-03 21:31:48
End at: 2018-07-03 21:32:18
Local clock offset: 0.527 ms
Remote clock offset: -1.018 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 25.467 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 16.000 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 22.442 ms
Loss rate: 2.22%

Run 10: Report of QUIC Cubic — Data Link

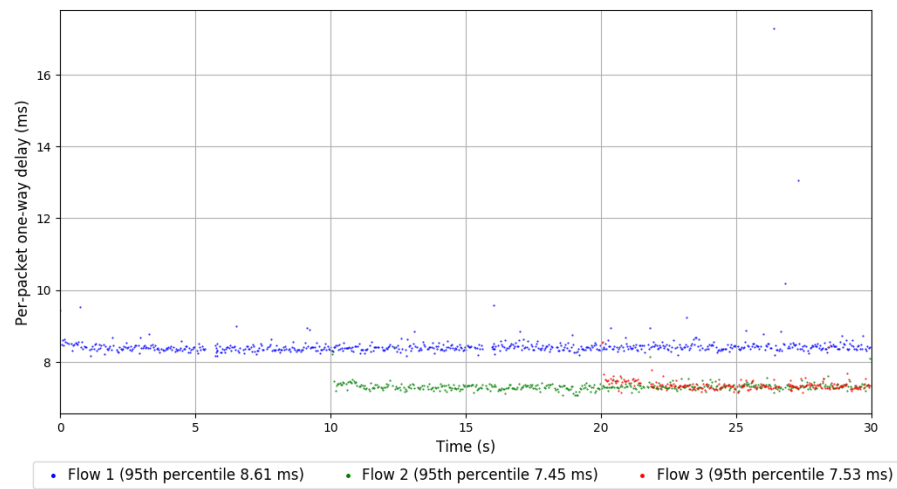
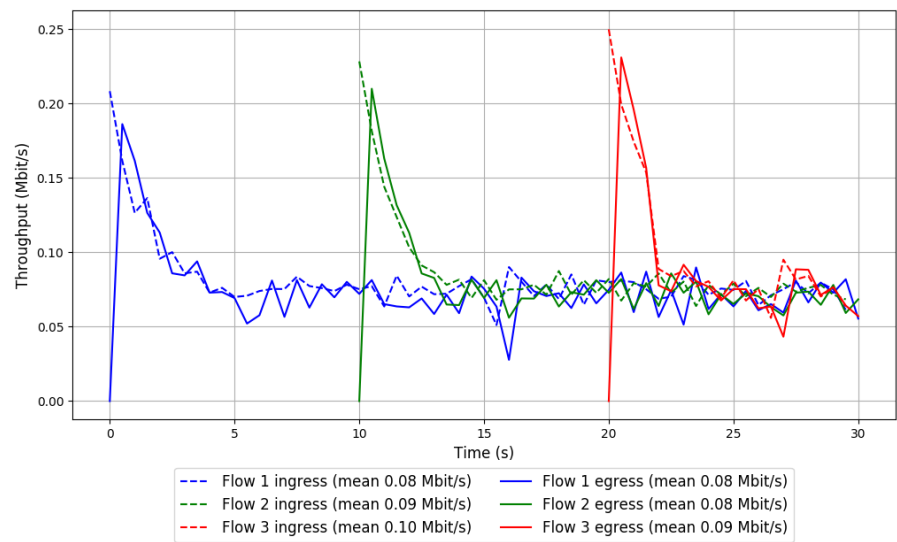


Run 1: Statistics of SCReAM

Start at: 2018-07-03 18:26:37
End at: 2018-07-03 18:27:07
Local clock offset: 1.796 ms
Remote clock offset: -8.411 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 8.517 ms
Loss rate: 8.11%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 8.607 ms
Loss rate: 7.67%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 7.453 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.529 ms
Loss rate: 9.83%

Run 1: Report of SReAM — Data Link

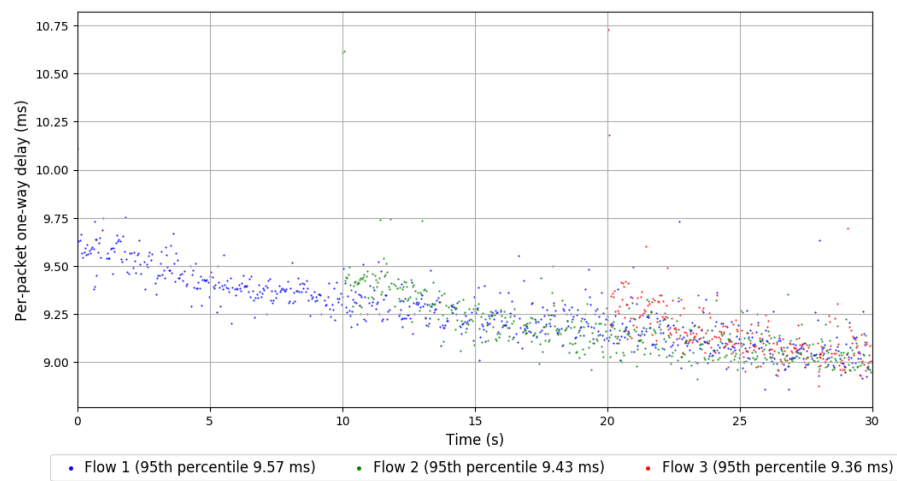
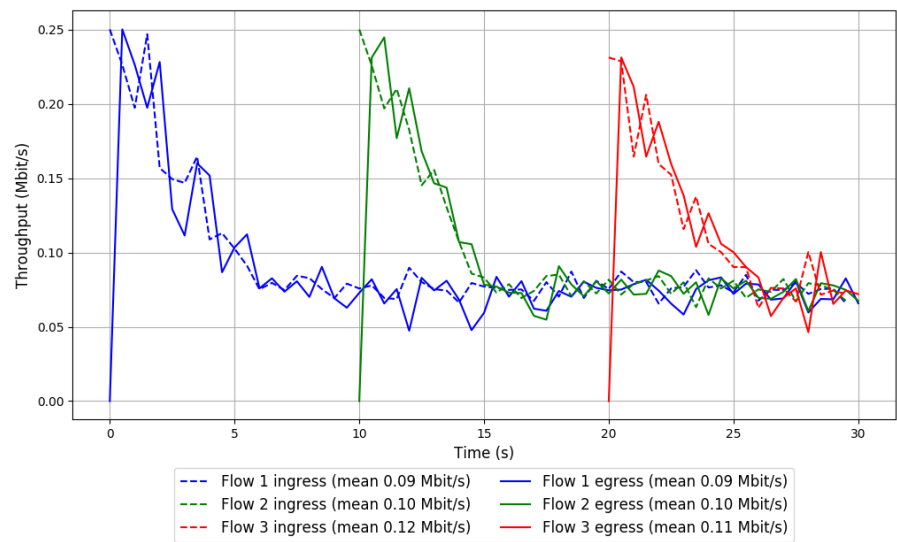


Run 2: Statistics of SCReAM

Start at: 2018-07-03 18:46:43
End at: 2018-07-03 18:47:13
Local clock offset: -5.618 ms
Remote clock offset: -8.022 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 9.571 ms
Loss rate: 5.33%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.432 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 9.356 ms
Loss rate: 4.97%

Run 2: Report of SReAM — Data Link

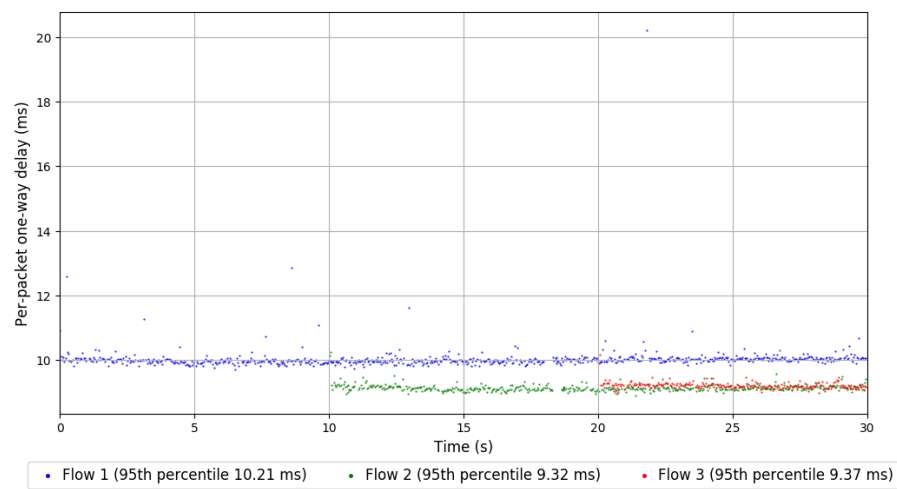
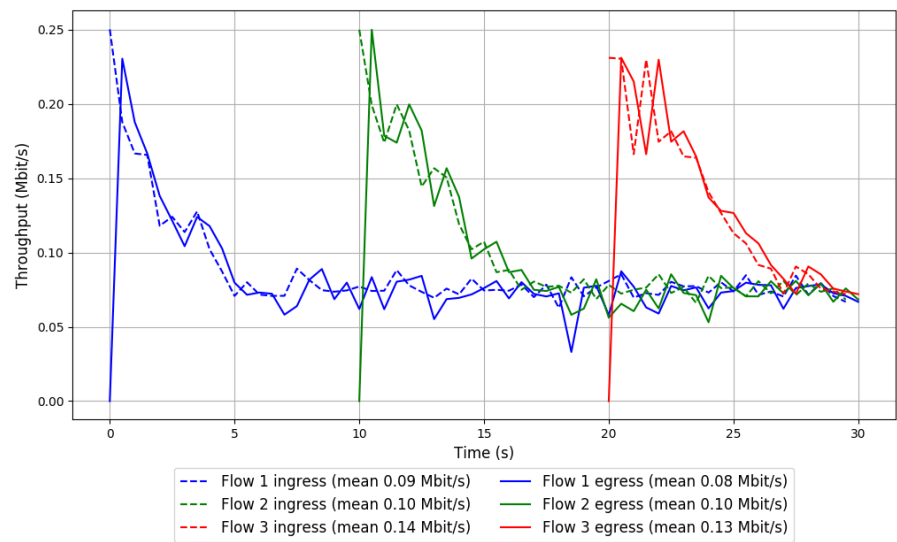


Run 3: Statistics of SCReAM

Start at: 2018-07-03 19:06:44
End at: 2018-07-03 19:07:14
Local clock offset: -4.601 ms
Remote clock offset: -2.001 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 10.106 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 10.212 ms
Loss rate: 4.66%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.316 ms
Loss rate: 4.71%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.373 ms
Loss rate: 2.29%

Run 3: Report of SReAM — Data Link

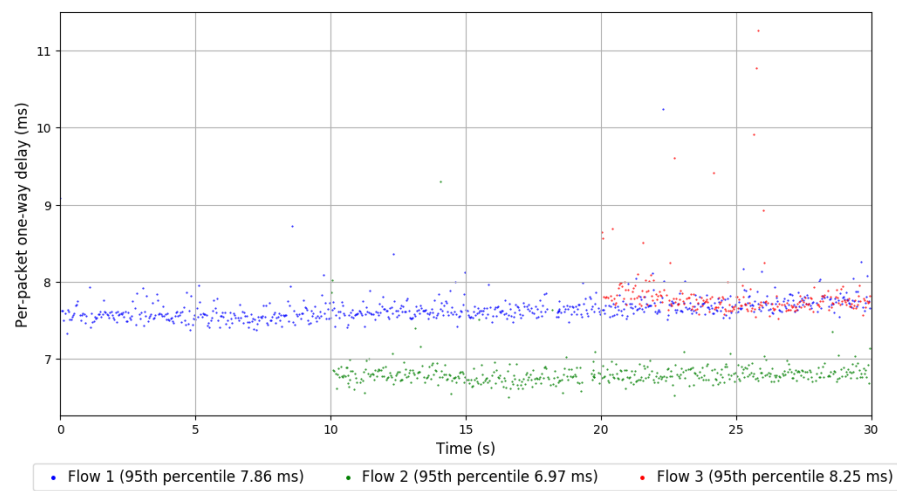
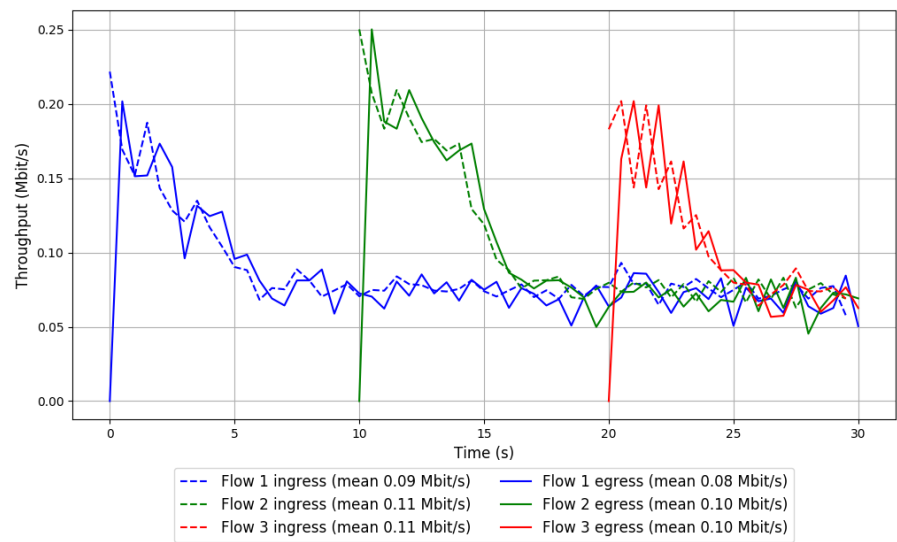


Run 4: Statistics of SCReAM

Start at: 2018-07-03 19:26:42
End at: 2018-07-03 19:27:12
Local clock offset: 2.881 ms
Remote clock offset: -7.567 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 7.885 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 7.864 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 6.969 ms
Loss rate: 4.87%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.250 ms
Loss rate: 6.33%

Run 4: Report of SReAM — Data Link

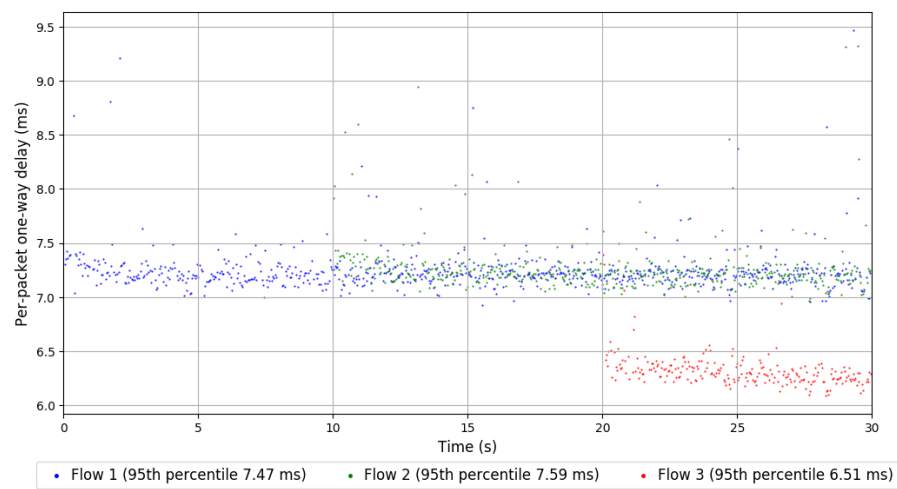
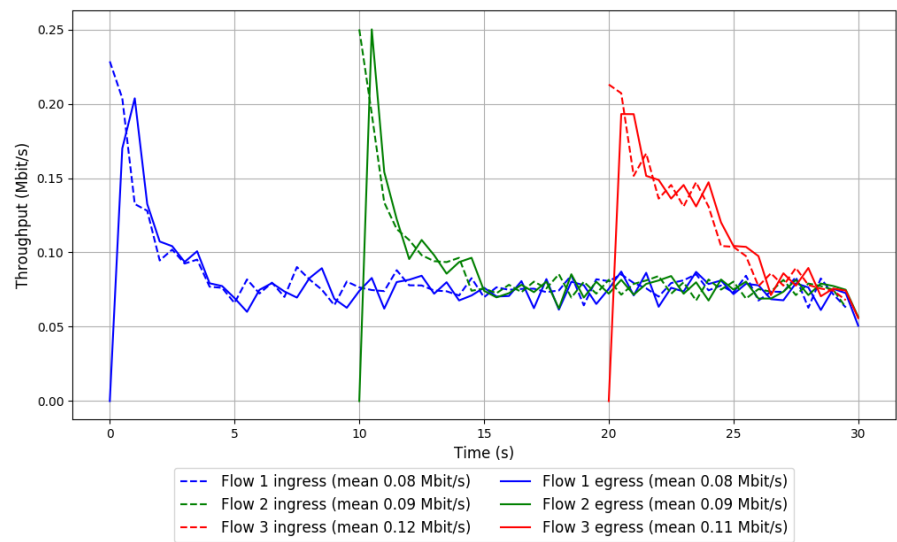


Run 5: Statistics of SCReAM

Start at: 2018-07-03 19:46:39
End at: 2018-07-03 19:47:09
Local clock offset: -1.997 ms
Remote clock offset: -13.366 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 7.463 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 7.468 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.590 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.509 ms
Loss rate: 3.73%

Run 5: Report of SReAM — Data Link

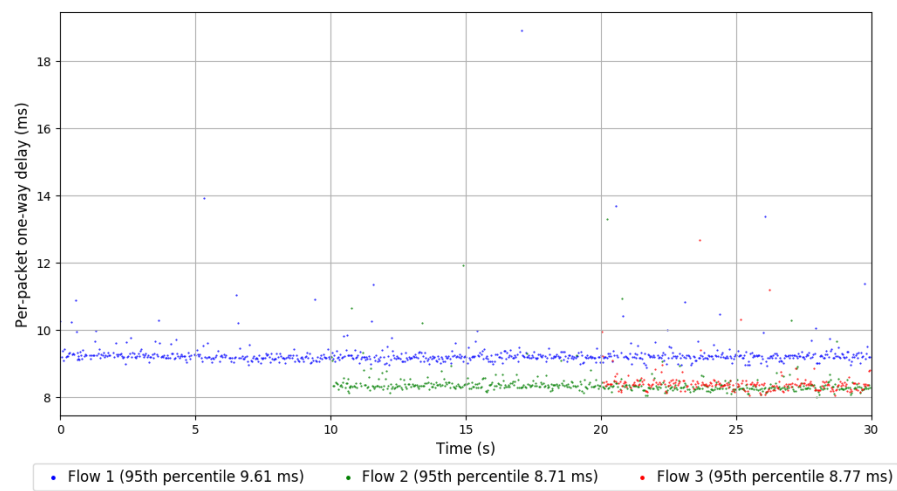
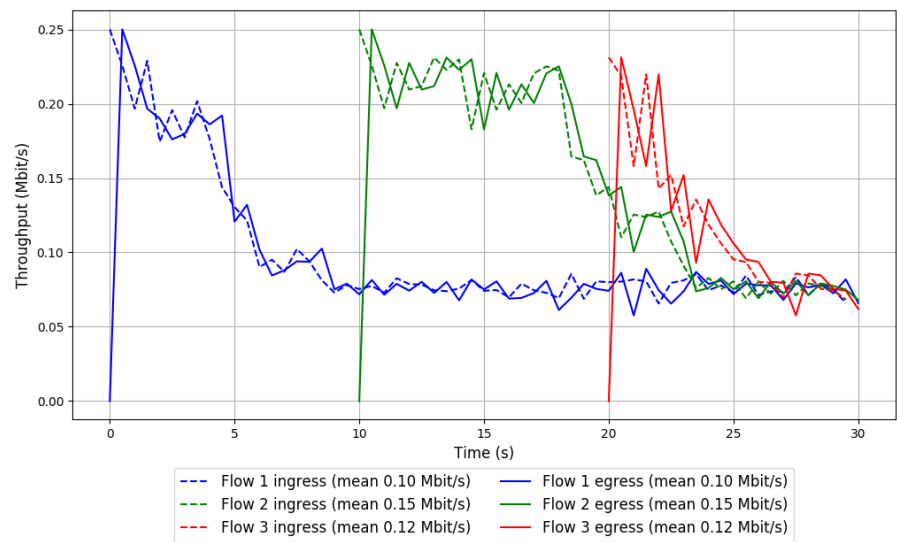


Run 6: Statistics of SCReAM

Start at: 2018-07-03 20:06:35
End at: 2018-07-03 20:07:05
Local clock offset: -2.434 ms
Remote clock offset: -2.149 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 9.417 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 8.766 ms
Loss rate: 3.33%

Run 6: Report of SReAM — Data Link

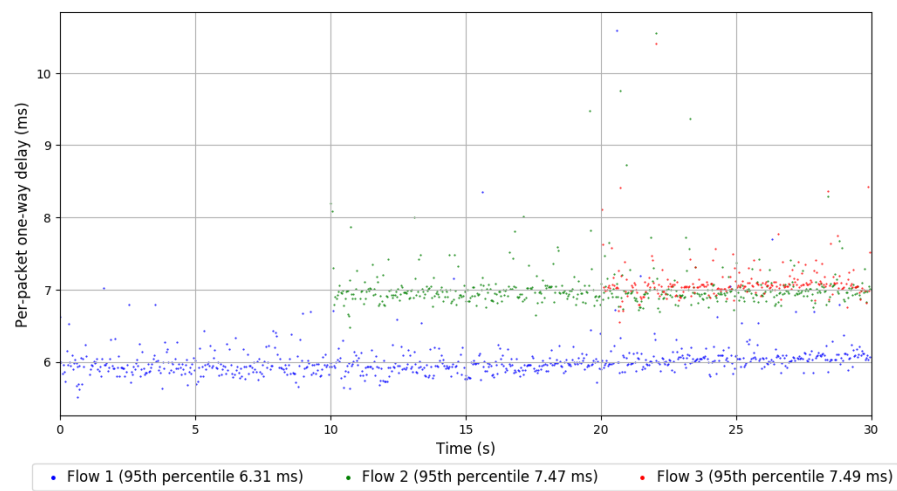
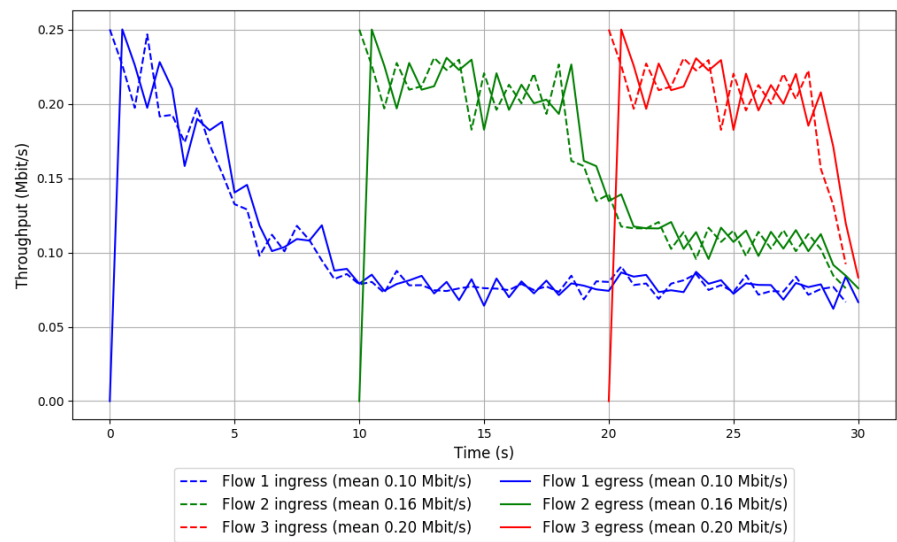


Run 7: Statistics of SReAM

Start at: 2018-07-03 20:26:20
End at: 2018-07-03 20:26:50
Local clock offset: 4.477 ms
Remote clock offset: 0.83 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 7.280 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 6.307 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 7.472 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 7.491 ms
Loss rate: 0.97%

Run 7: Report of SReAM — Data Link

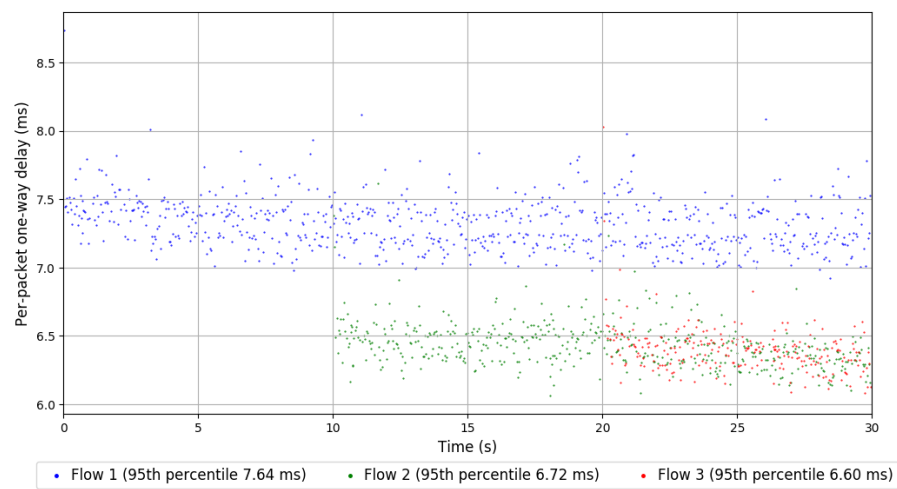
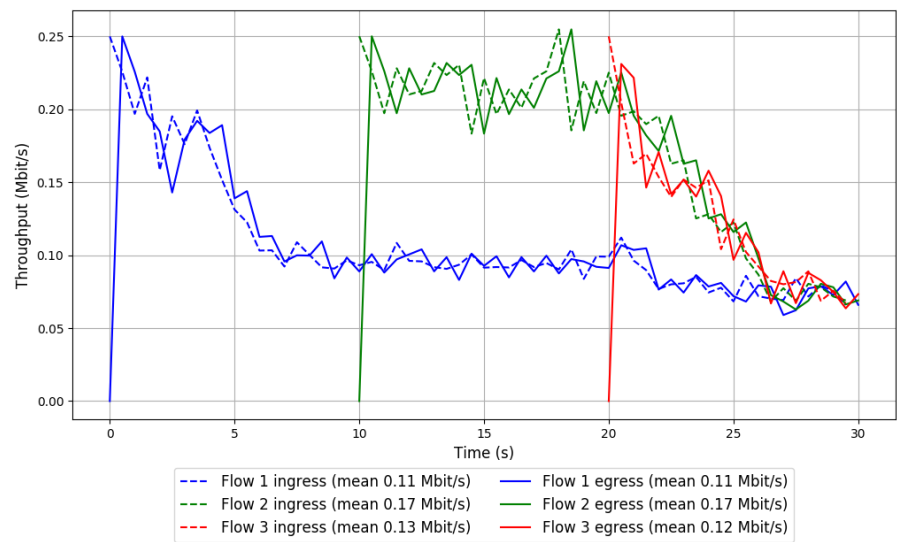


Run 8: Statistics of SCReAM

Start at: 2018-07-03 20:46:13
End at: 2018-07-03 20:46:43
Local clock offset: 1.044 ms
Remote clock offset: -2.681 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 7.547 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 7.638 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 6.716 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 6.603 ms
Loss rate: 3.03%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-03 21:06:54

End at: 2018-07-03 21:07:24

Local clock offset: 0.9 ms

Remote clock offset: -2.24 ms

Below is generated by plot.py at 2018-07-03 21:53:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 7.271 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 7.377 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 7.273 ms

Loss rate: 0.34%

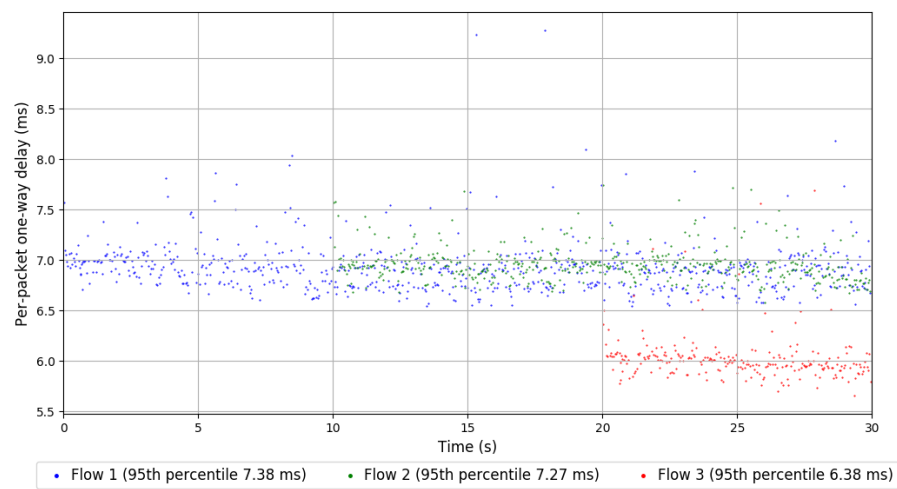
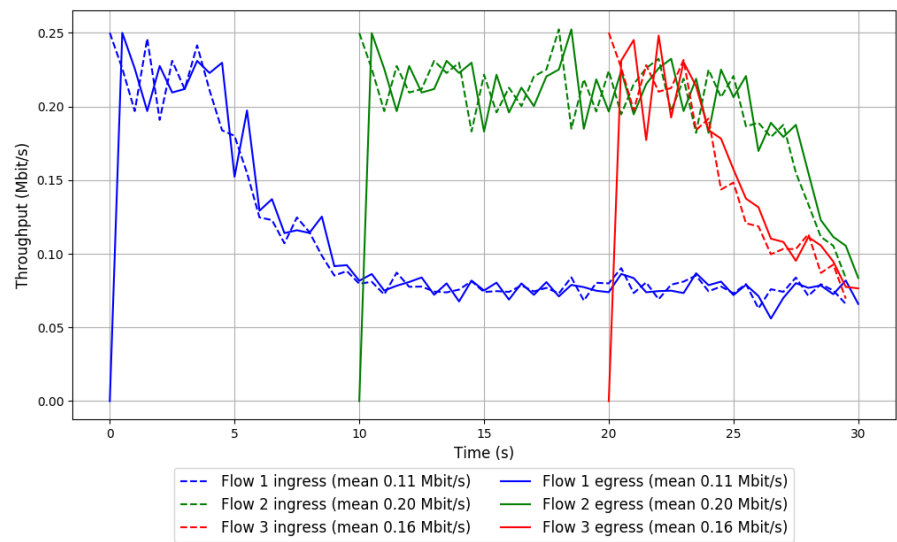
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 6.384 ms

Loss rate: 0.83%

Run 9: Report of SReAM — Data Link

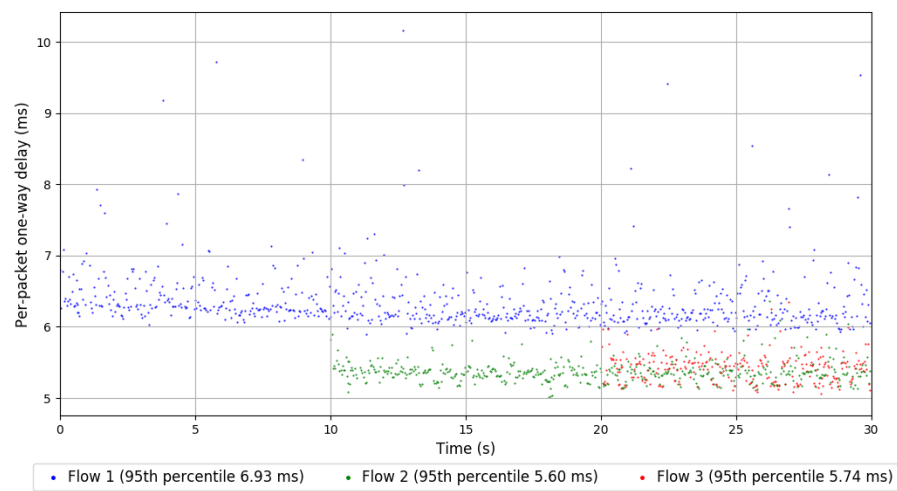
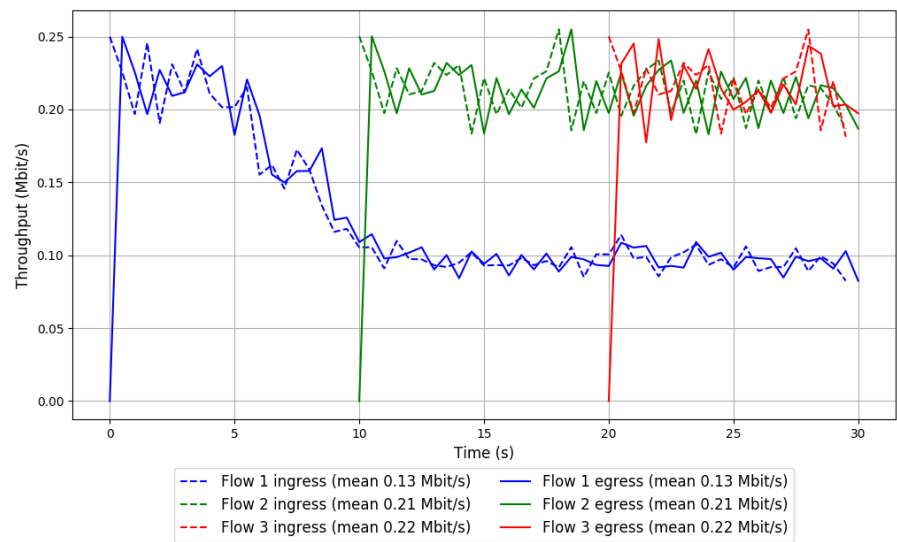


Run 10: Statistics of SReAM

Start at: 2018-07-03 21:27:00
End at: 2018-07-03 21:27:30
Local clock offset: -1.908 ms
Remote clock offset: -5.618 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 6.704 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 6.928 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.744 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-03 18:24:21

End at: 2018-07-03 18:24:51

Local clock offset: 1.406 ms

Remote clock offset: -6.35 ms

Below is generated by plot.py at 2018-07-03 21:53:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 18.360 ms

Loss rate: 15.02%

-- Flow 1:

Average throughput: 16.27 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 15.00%

-- Flow 2:

Average throughput: 15.49 Mbit/s

95th percentile per-packet one-way delay: 18.205 ms

Loss rate: 15.24%

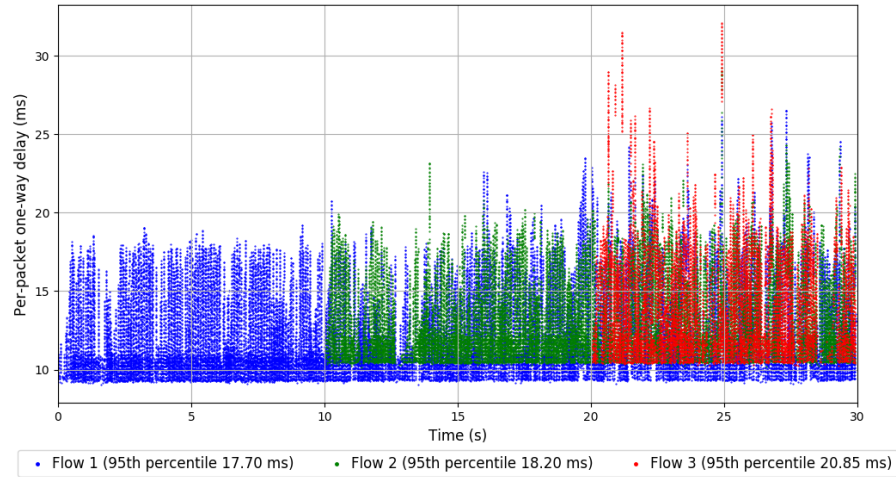
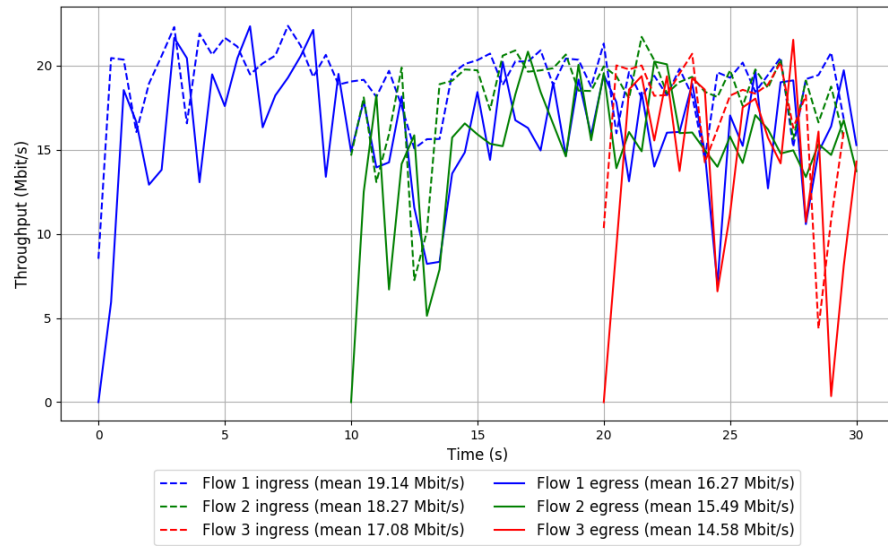
-- Flow 3:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 20.848 ms

Loss rate: 14.63%

Run 1: Report of Sprout — Data Link

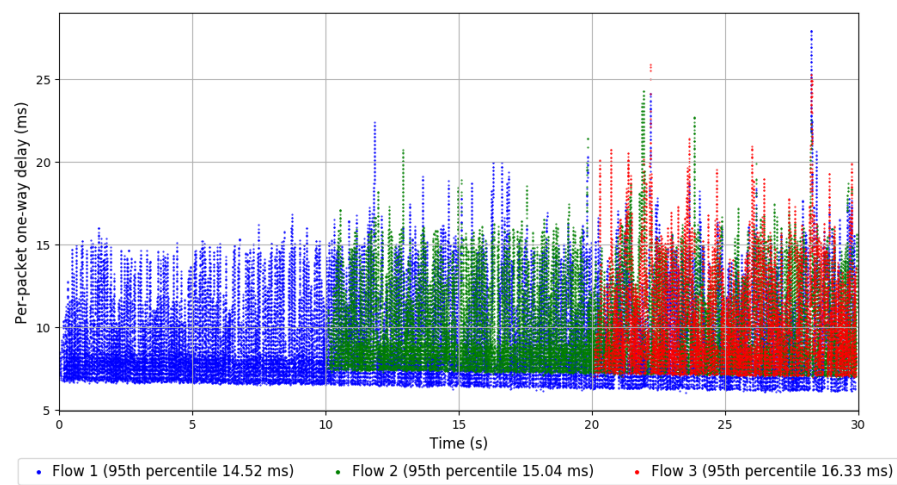
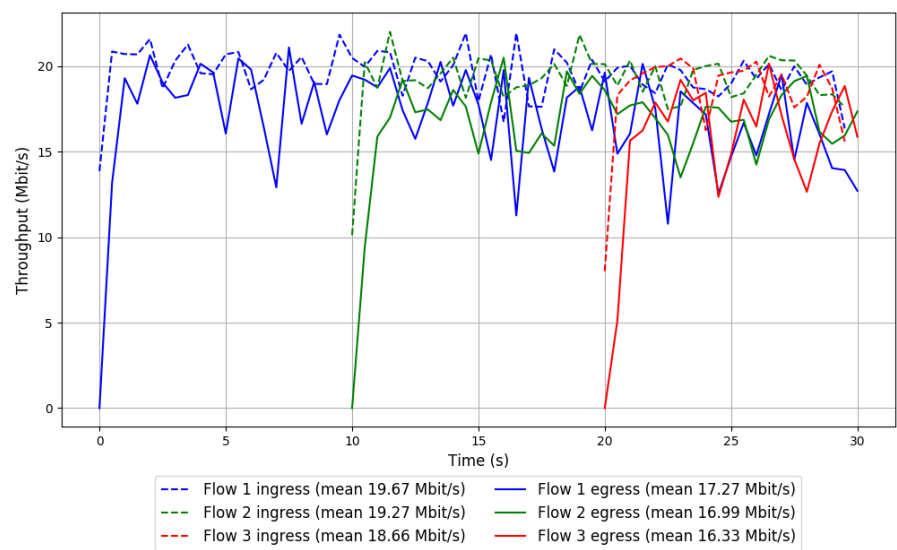


Run 2: Statistics of Sprout

Start at: 2018-07-03 18:44:22
End at: 2018-07-03 18:44:52
Local clock offset: -2.66 ms
Remote clock offset: -10.185 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 14.979 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 14.518 ms
Loss rate: 12.24%
-- Flow 2:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 15.040 ms
Loss rate: 11.81%
-- Flow 3:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 16.332 ms
Loss rate: 12.90%

Run 2: Report of Sprout — Data Link

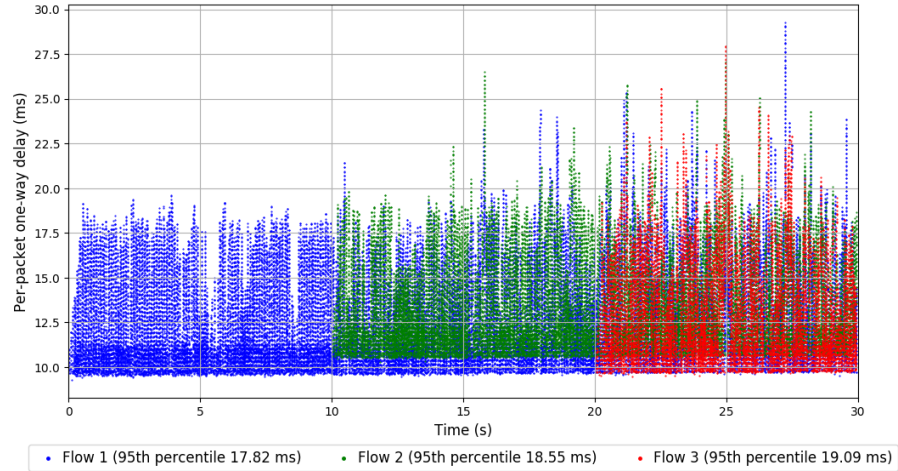
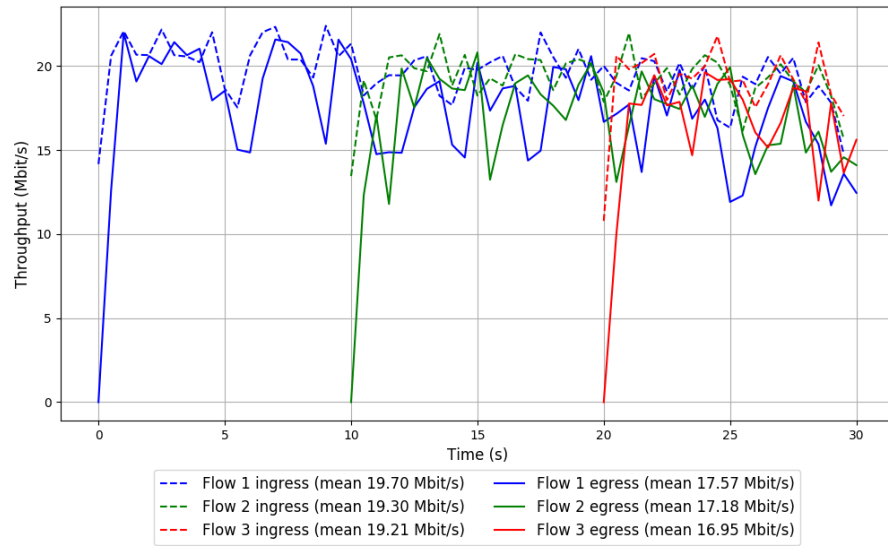


Run 3: Statistics of Sprout

Start at: 2018-07-03 19:04:28
End at: 2018-07-03 19:04:58
Local clock offset: -6.557 ms
Remote clock offset: -2.281 ms

Below is generated by plot.py at 2018-07-03 21:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 18.264 ms
Loss rate: 11.01%
-- Flow 1:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 17.824 ms
Loss rate: 10.81%
-- Flow 2:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 18.553 ms
Loss rate: 10.97%
-- Flow 3:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 11.74%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-03 19:24:28

End at: 2018-07-03 19:24:58

Local clock offset: -0.92 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-07-03 21:53:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 19.269 ms

Loss rate: 10.08%

-- Flow 1:

Average throughput: 17.64 Mbit/s

95th percentile per-packet one-way delay: 19.135 ms

Loss rate: 9.37%

-- Flow 2:

Average throughput: 16.38 Mbit/s

95th percentile per-packet one-way delay: 18.883 ms

Loss rate: 11.33%

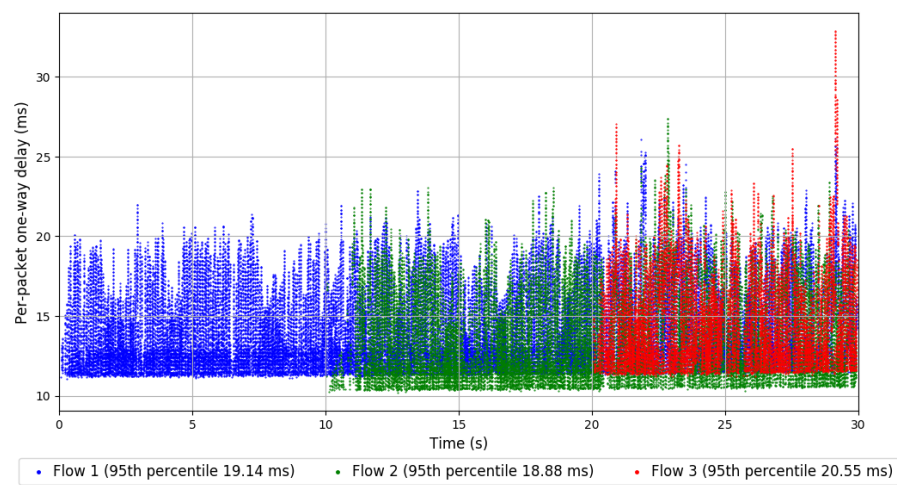
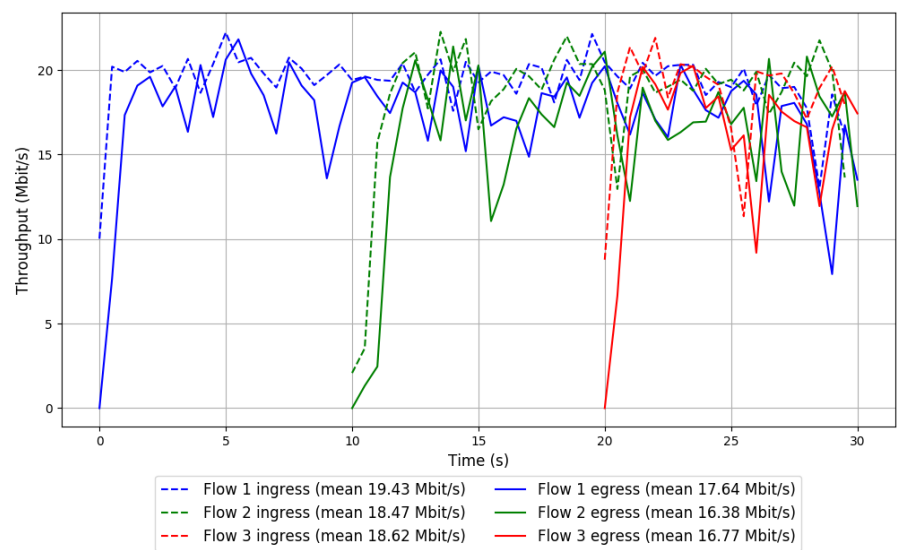
-- Flow 3:

Average throughput: 16.77 Mbit/s

95th percentile per-packet one-way delay: 20.545 ms

Loss rate: 9.86%

Run 4: Report of Sprout — Data Link

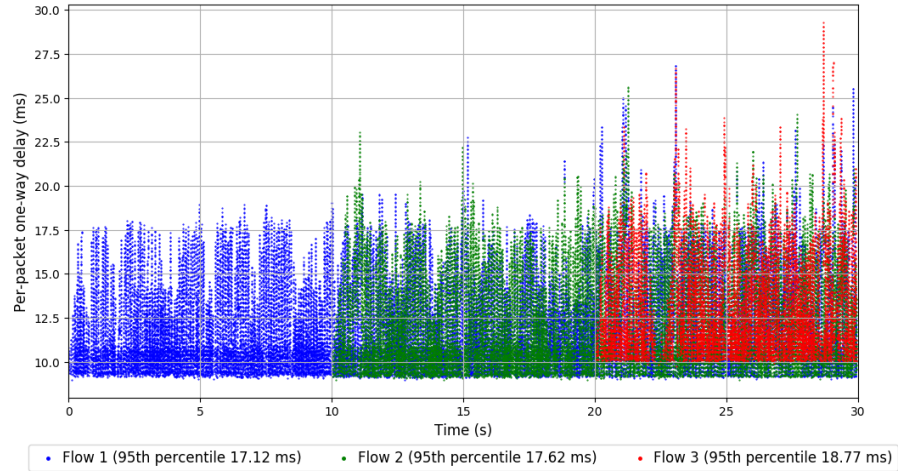
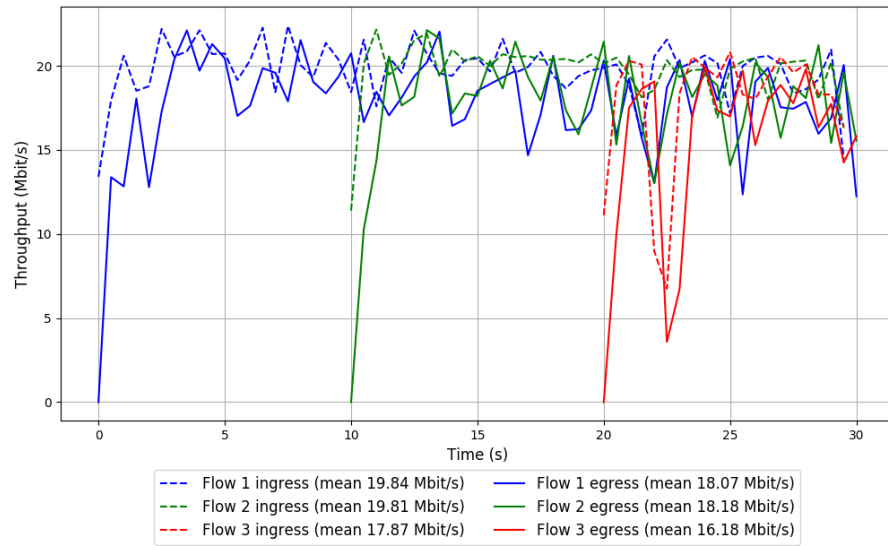


Run 5: Statistics of Sprout

Start at: 2018-07-03 19:44:24
End at: 2018-07-03 19:44:54
Local clock offset: -4.281 ms
Remote clock offset: -12.836 ms

Below is generated by plot.py at 2018-07-03 21:53:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 17.537 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 17.118 ms
Loss rate: 8.90%
-- Flow 2:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 17.621 ms
Loss rate: 8.22%
-- Flow 3:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 18.775 ms
Loss rate: 9.46%

Run 5: Report of Sprout — Data Link

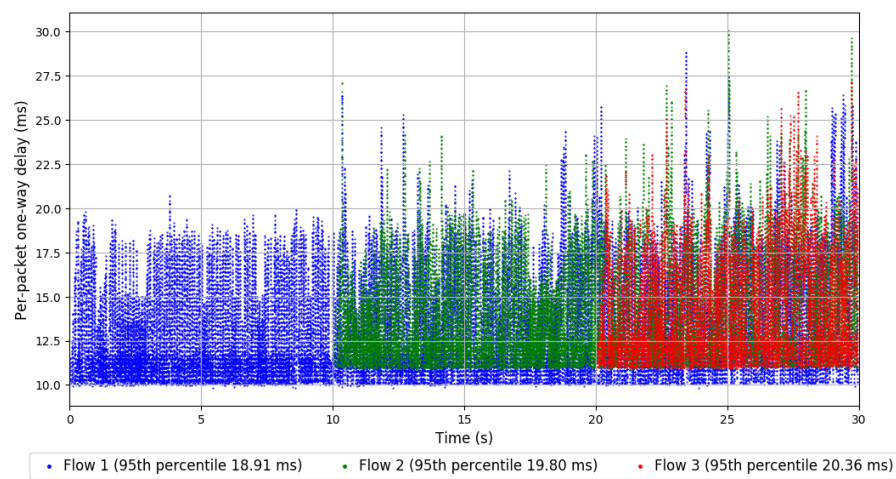
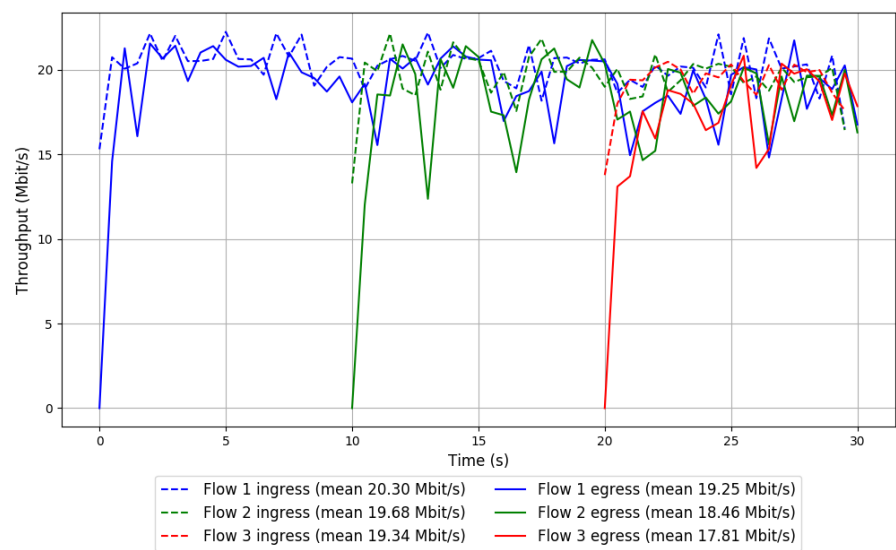


Run 6: Statistics of Sprout

Start at: 2018-07-03 20:04:22
End at: 2018-07-03 20:04:52
Local clock offset: -5.687 ms
Remote clock offset: -2.999 ms

Below is generated by plot.py at 2018-07-03 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 18.905 ms
Loss rate: 5.14%
-- Flow 2:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 19.797 ms
Loss rate: 6.22%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 7.90%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-03 20:24:06

End at: 2018-07-03 20:24:36

Local clock offset: 2.671 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-03 21:53:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 16.295 ms

Loss rate: 5.35%

-- Flow 1:

Average throughput: 19.33 Mbit/s

95th percentile per-packet one-way delay: 15.728 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 19.02 Mbit/s

95th percentile per-packet one-way delay: 16.494 ms

Loss rate: 4.80%

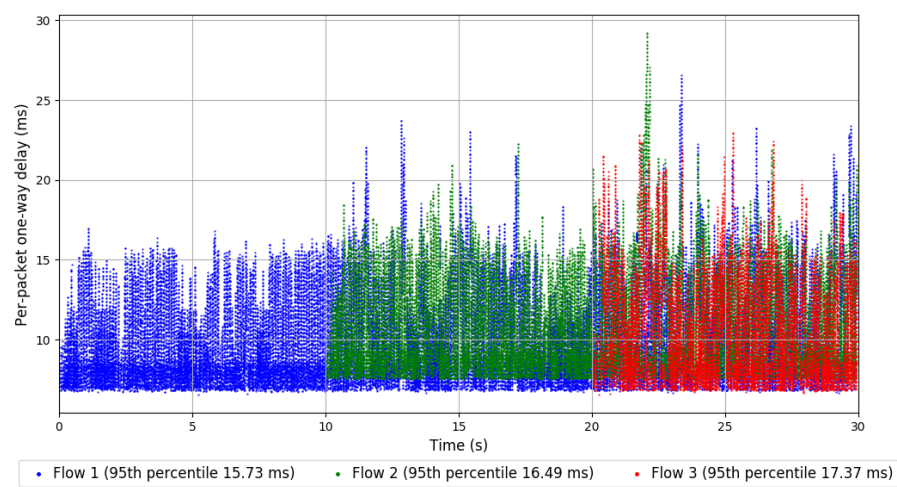
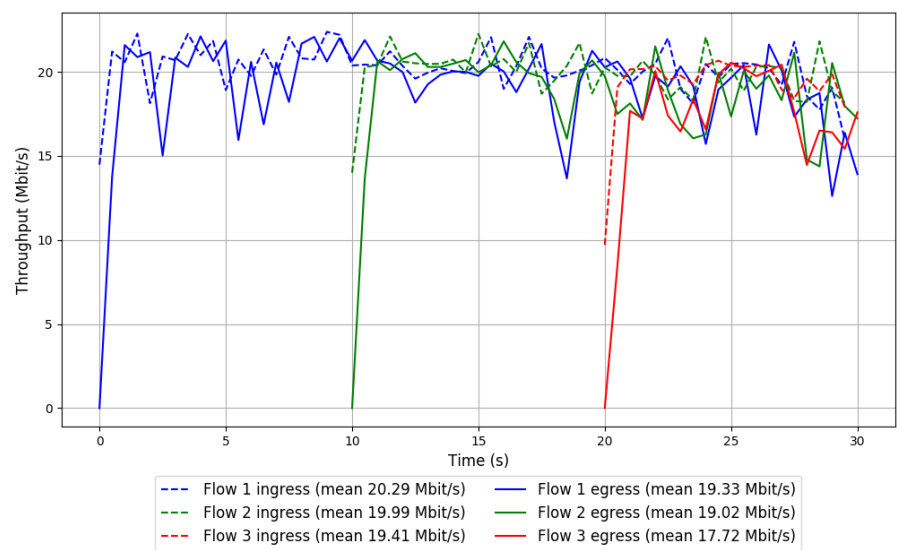
-- Flow 3:

Average throughput: 17.72 Mbit/s

95th percentile per-packet one-way delay: 17.368 ms

Loss rate: 8.61%

Run 7: Report of Sprout — Data Link

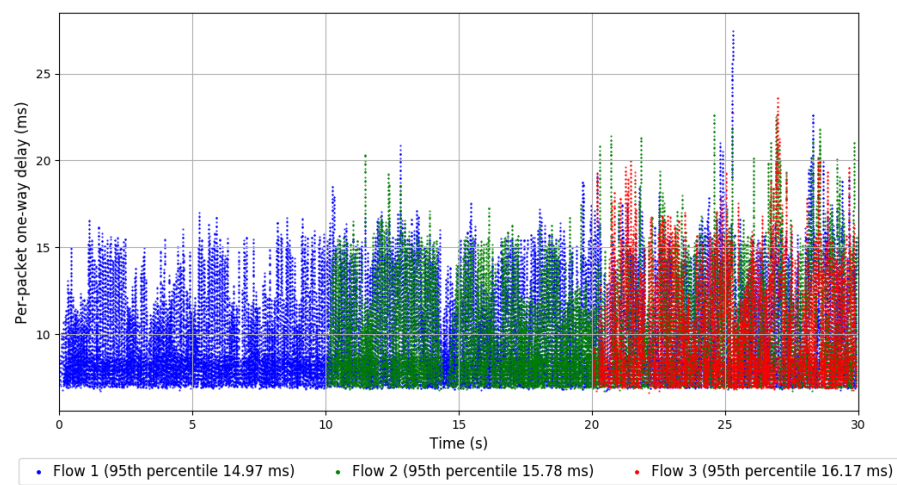
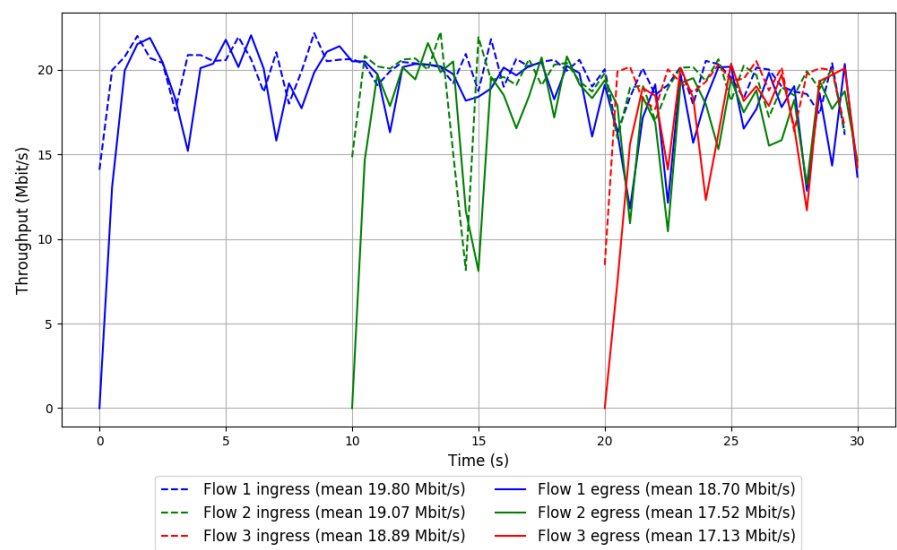


Run 8: Statistics of Sprout

Start at: 2018-07-03 20:43:54
End at: 2018-07-03 20:44:24
Local clock offset: 1.967 ms
Remote clock offset: -2.248 ms

Below is generated by plot.py at 2018-07-03 21:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 15.355 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 14.972 ms
Loss rate: 5.53%
-- Flow 2:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 15.779 ms
Loss rate: 8.09%
-- Flow 3:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 16.167 ms
Loss rate: 9.33%

Run 8: Report of Sprout — Data Link

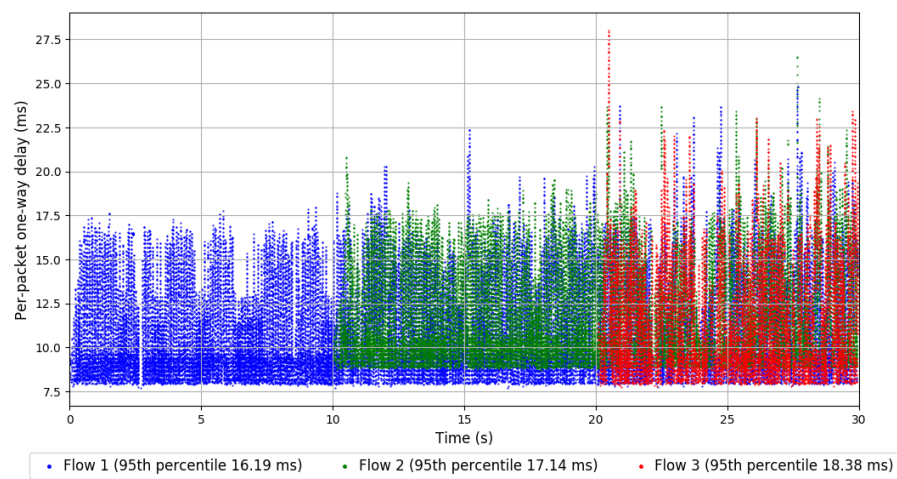
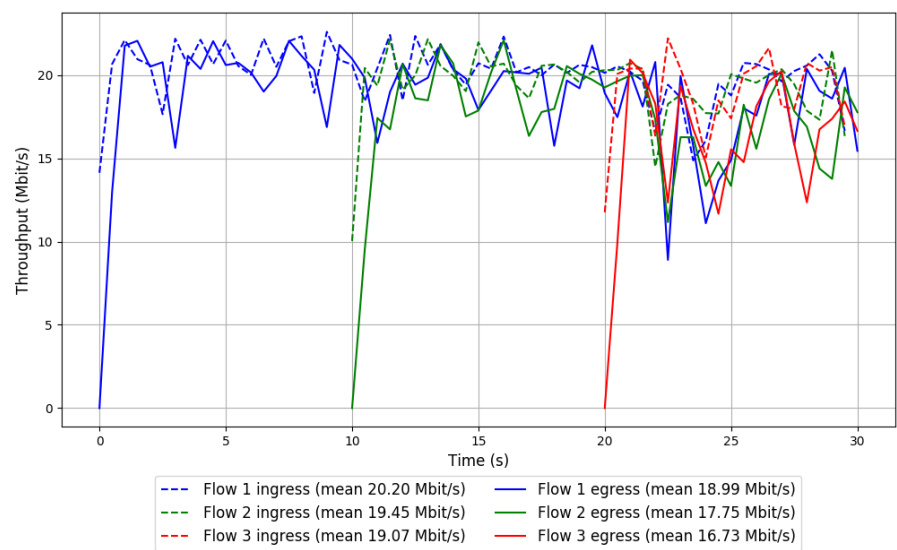


Run 9: Statistics of Sprout

Start at: 2018-07-03 21:04:38
End at: 2018-07-03 21:05:08
Local clock offset: -0.997 ms
Remote clock offset: -2.036 ms

```
# Below is generated by plot.py at 2018-07-03 21:53:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 16.848 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 16.187 ms
Loss rate: 5.97%
-- Flow 2:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 17.145 ms
Loss rate: 8.73%
-- Flow 3:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 18.381 ms
Loss rate: 12.64%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-03 21:24:42

End at: 2018-07-03 21:25:12

Local clock offset: -0.678 ms

Remote clock offset: -0.96 ms

Below is generated by plot.py at 2018-07-03 21:54:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 18.330 ms

Loss rate: 4.24%

-- Flow 1:

Average throughput: 19.35 Mbit/s

95th percentile per-packet one-way delay: 18.050 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 18.565 ms

Loss rate: 4.83%

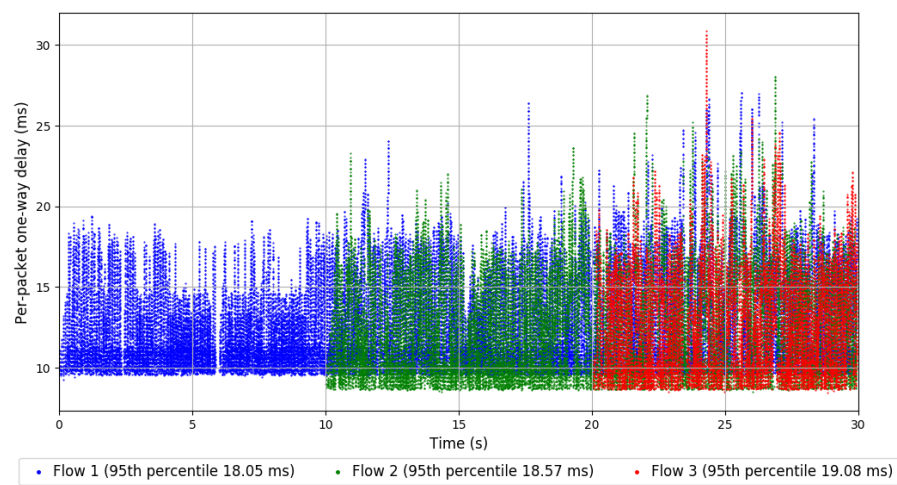
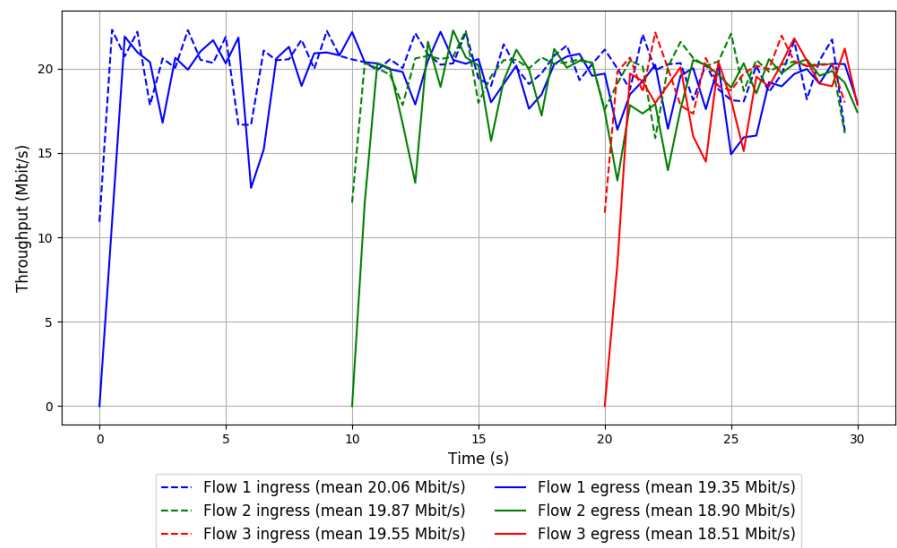
-- Flow 3:

Average throughput: 18.51 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 5.24%

Run 10: Report of Sprout — Data Link

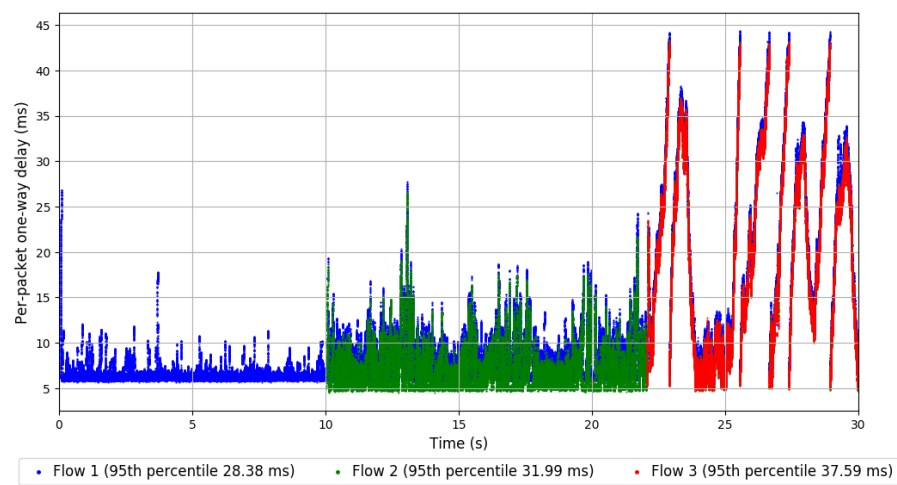
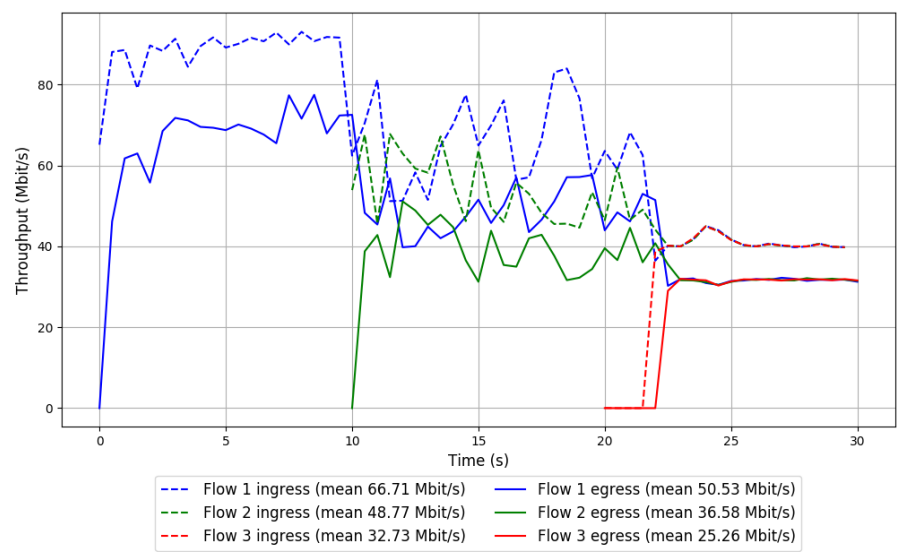


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-03 18:30:12
End at: 2018-07-03 18:30:42
Local clock offset: 4.818 ms
Remote clock offset: -8.477 ms

Below is generated by plot.py at 2018-07-03 21:55:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 31.775 ms
Loss rate: 24.33%
-- Flow 1:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 28.383 ms
Loss rate: 24.25%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 31.987 ms
Loss rate: 24.99%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 37.585 ms
Loss rate: 22.82%

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

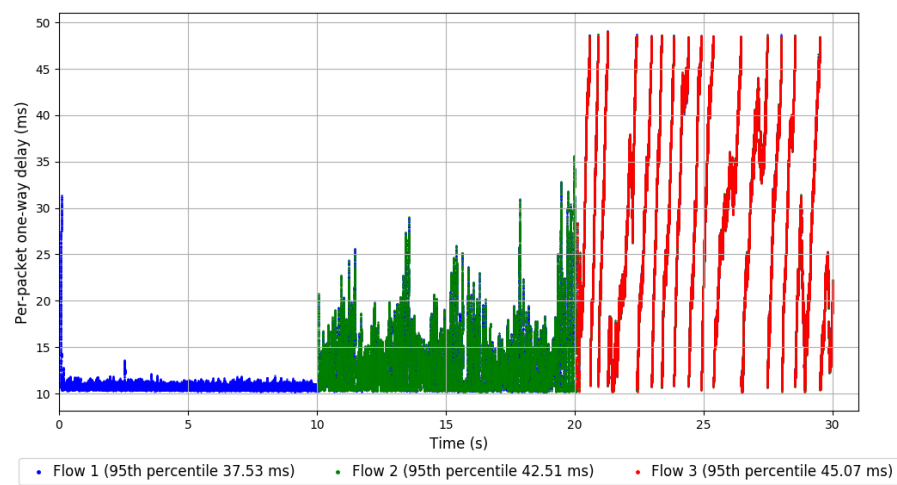
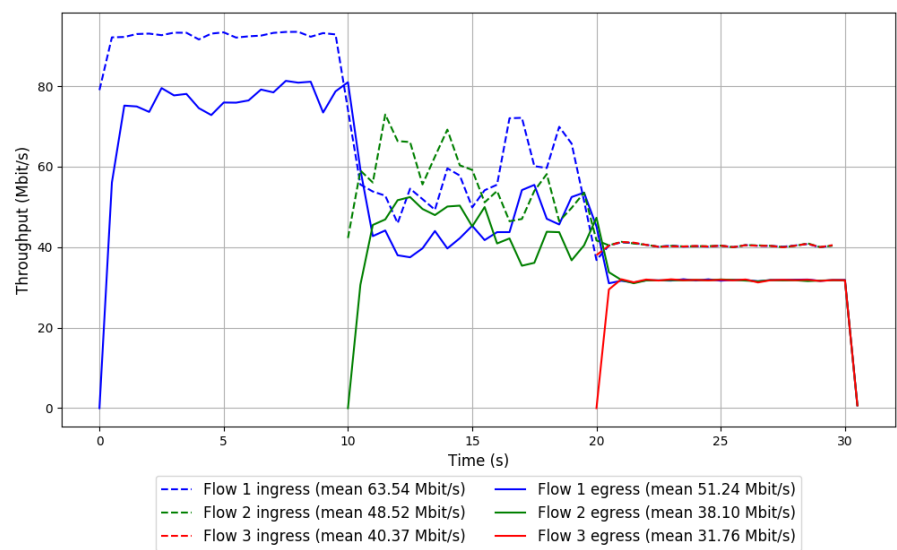


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 18:50:16
End at: 2018-07-03 18:50:46
Local clock offset: -6.124 ms
Remote clock offset: -4.818 ms

Below is generated by plot.py at 2018-07-03 21:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 41.918 ms
Loss rate: 20.19%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 37.528 ms
Loss rate: 19.34%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 42.513 ms
Loss rate: 21.42%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 45.067 ms
Loss rate: 21.30%

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

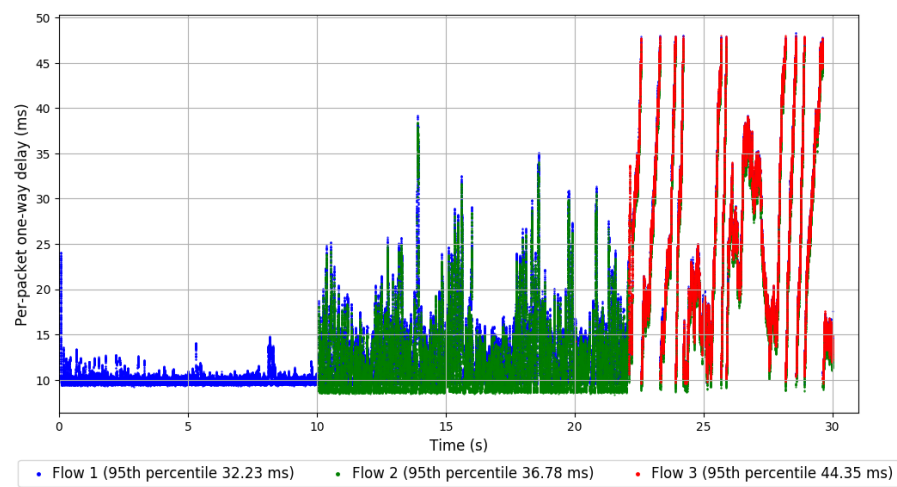
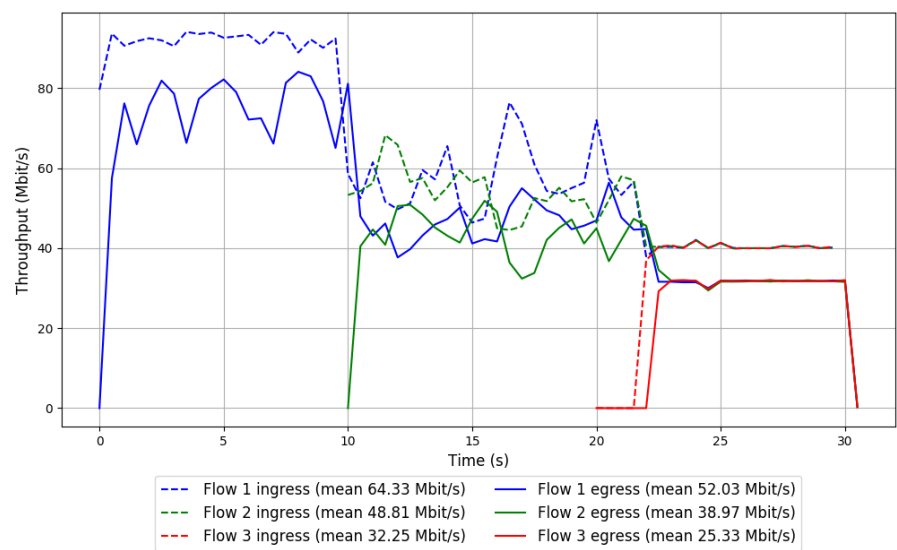


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 19:10:10
End at: 2018-07-03 19:10:40
Local clock offset: -2.781 ms
Remote clock offset: -1.872 ms

Below is generated by plot.py at 2018-07-03 21:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 36.703 ms
Loss rate: 19.65%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: 32.226 ms
Loss rate: 19.09%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 36.780 ms
Loss rate: 20.15%
-- Flow 3:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 44.348 ms
Loss rate: 21.45%

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

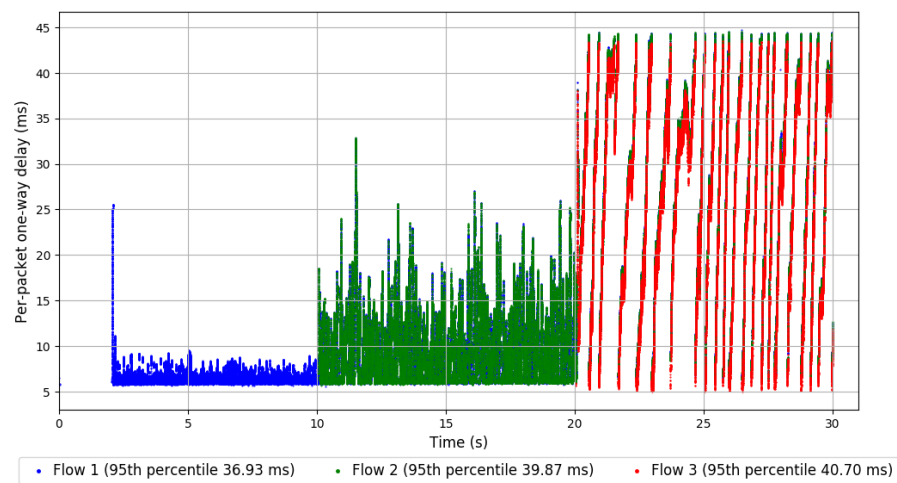
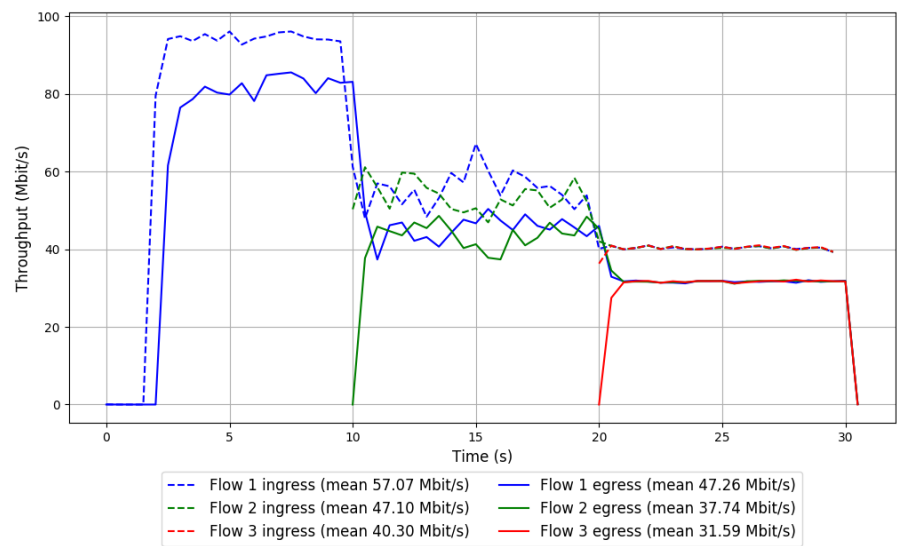


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 19:30:11
End at: 2018-07-03 19:30:41
Local clock offset: 3.853 ms
Remote clock offset: -9.955 ms

Below is generated by plot.py at 2018-07-03 21:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.91 Mbit/s
95th percentile per-packet one-way delay: 39.206 ms
Loss rate: 18.58%
-- Flow 1:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 36.934 ms
Loss rate: 17.17%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 39.872 ms
Loss rate: 19.85%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 40.705 ms
Loss rate: 21.59%

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

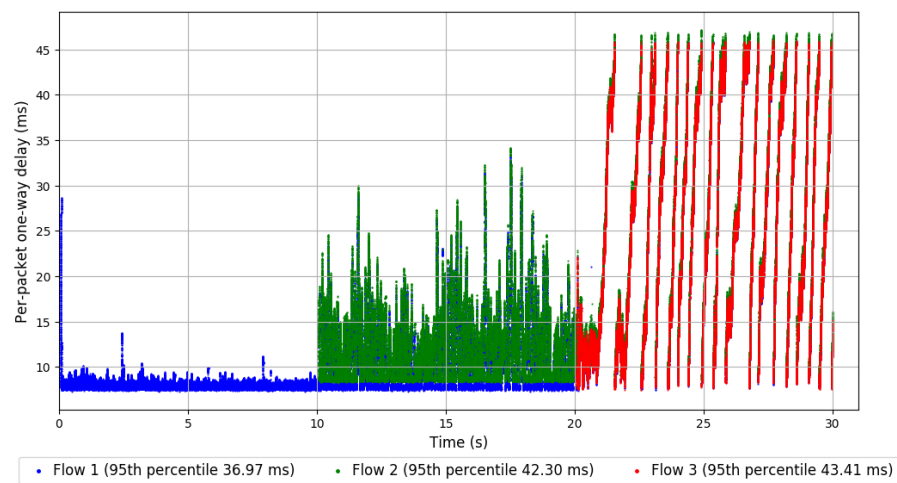
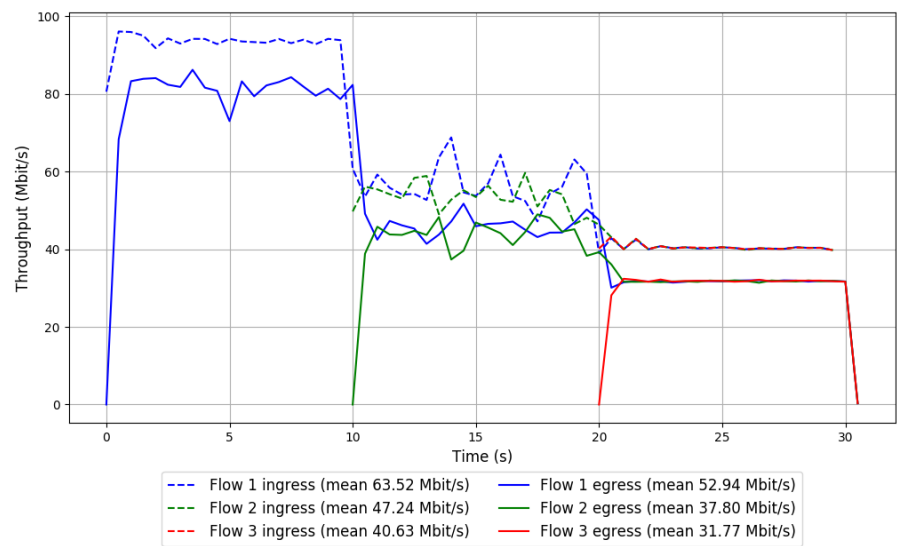


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 19:50:11
End at: 2018-07-03 19:50:41
Local clock offset: -2.916 ms
Remote clock offset: -13.033 ms

Below is generated by plot.py at 2018-07-03 21:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 40.941 ms
Loss rate: 18.24%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 36.973 ms
Loss rate: 16.63%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 42.295 ms
Loss rate: 19.96%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 43.406 ms
Loss rate: 21.78%

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

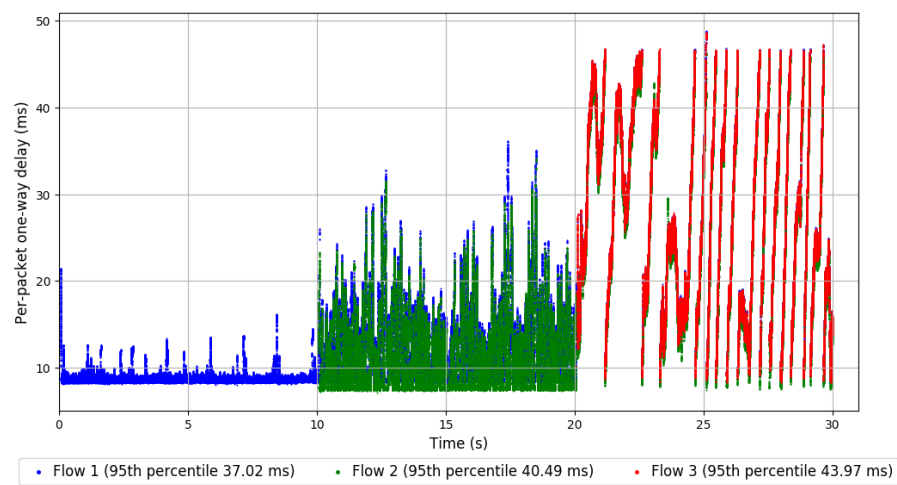
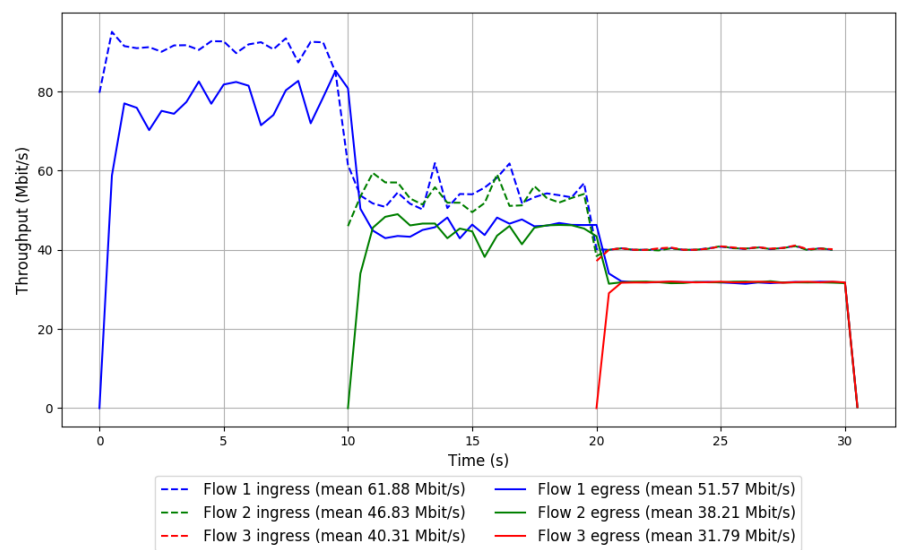


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-03 20:10:00
End at: 2018-07-03 20:10:30
Local clock offset: -0.193 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-07-03 21:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 40.361 ms
Loss rate: 17.72%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 37.015 ms
Loss rate: 16.65%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 40.491 ms
Loss rate: 18.38%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 43.966 ms
Loss rate: 21.11%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-03 20:29:48

End at: 2018-07-03 20:30:18

Local clock offset: 4.163 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-03 21:56:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 40.172 ms

Loss rate: 19.45%

-- Flow 1:

Average throughput: 50.35 Mbit/s

95th percentile per-packet one-way delay: 38.261 ms

Loss rate: 17.97%

-- Flow 2:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 39.704 ms

Loss rate: 21.61%

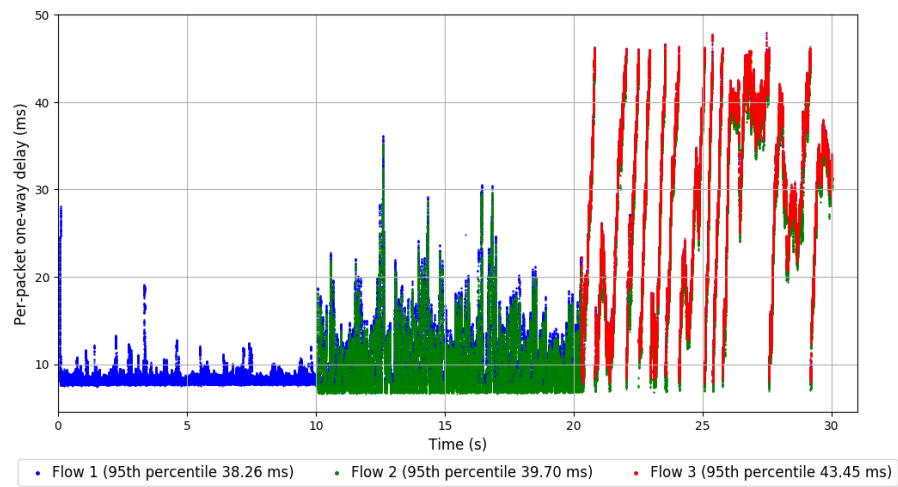
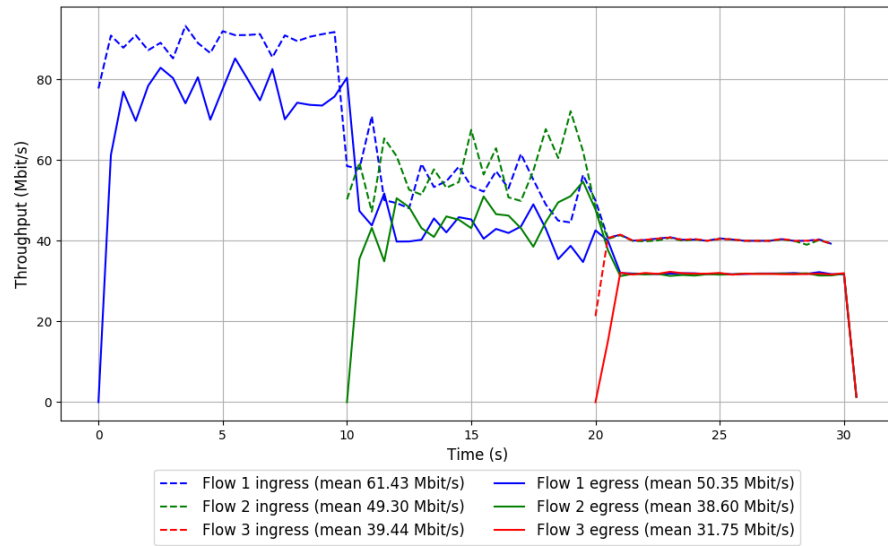
-- Flow 3:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 20.98%

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

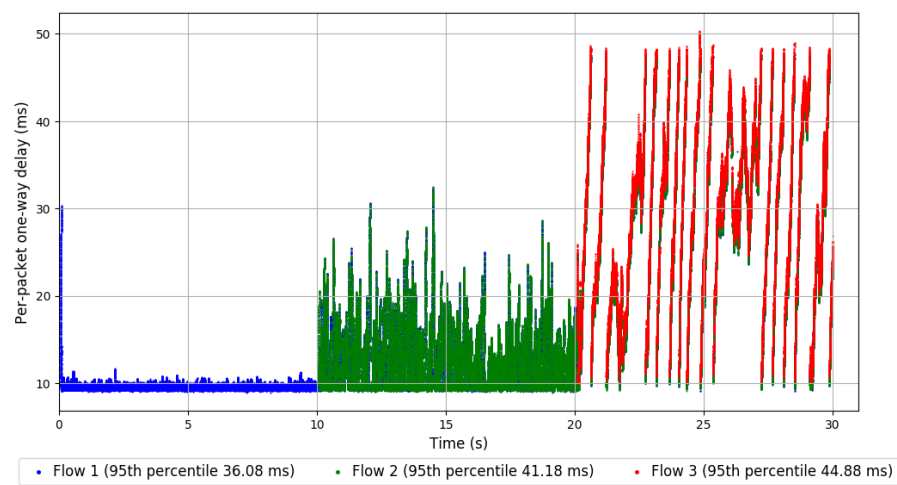
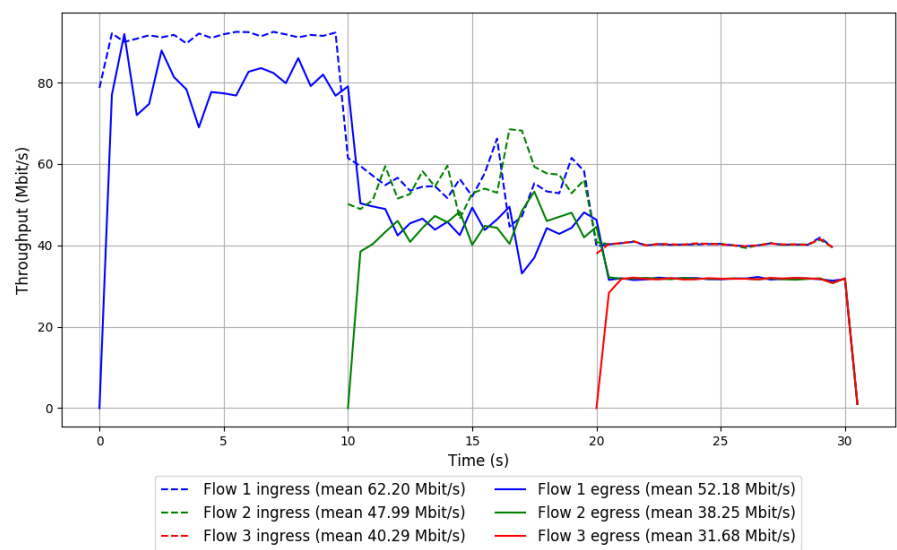


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-03 20:49:51
End at: 2018-07-03 20:50:21
Local clock offset: -1.472 ms
Remote clock offset: -2.176 ms

Below is generated by plot.py at 2018-07-03 21:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 40.777 ms
Loss rate: 17.95%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 36.081 ms
Loss rate: 16.07%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 41.180 ms
Loss rate: 20.24%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 44.879 ms
Loss rate: 21.24%

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

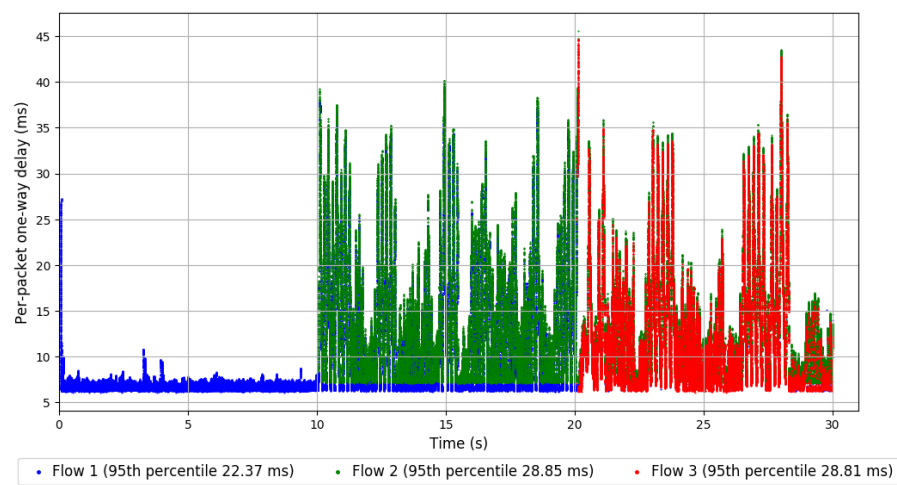
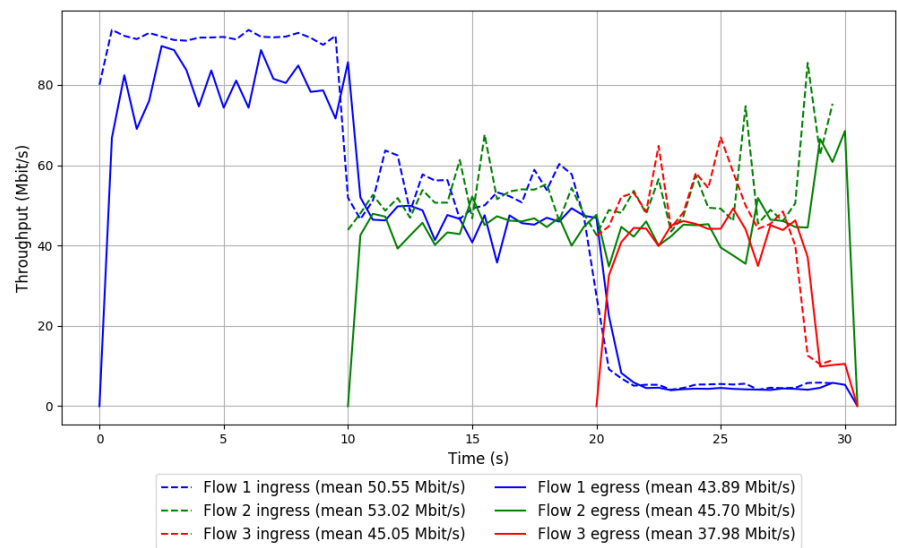


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-03 21:10:29
End at: 2018-07-03 21:10:59
Local clock offset: 1.791 ms
Remote clock offset: -1.077 ms

Below is generated by plot.py at 2018-07-03 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 26.529 ms
Loss rate: 13.75%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 22.373 ms
Loss rate: 13.15%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 28.848 ms
Loss rate: 13.80%
-- Flow 3:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 28.814 ms
Loss rate: 15.66%

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

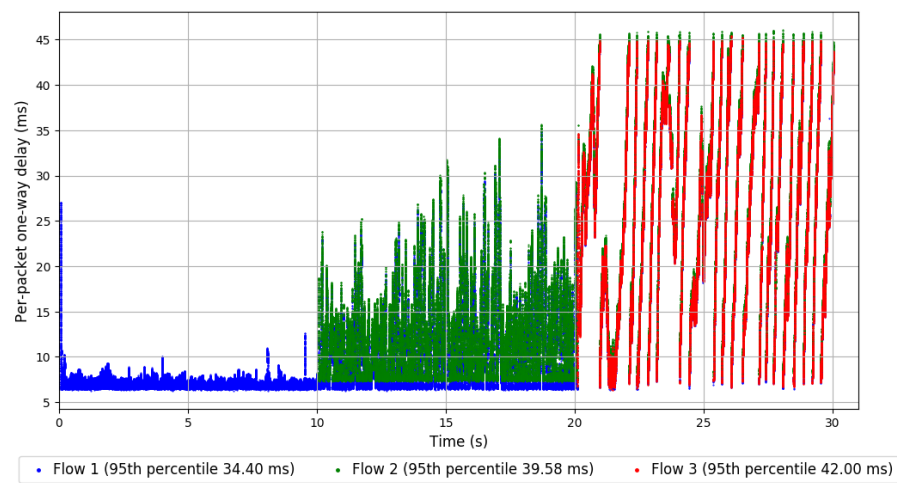
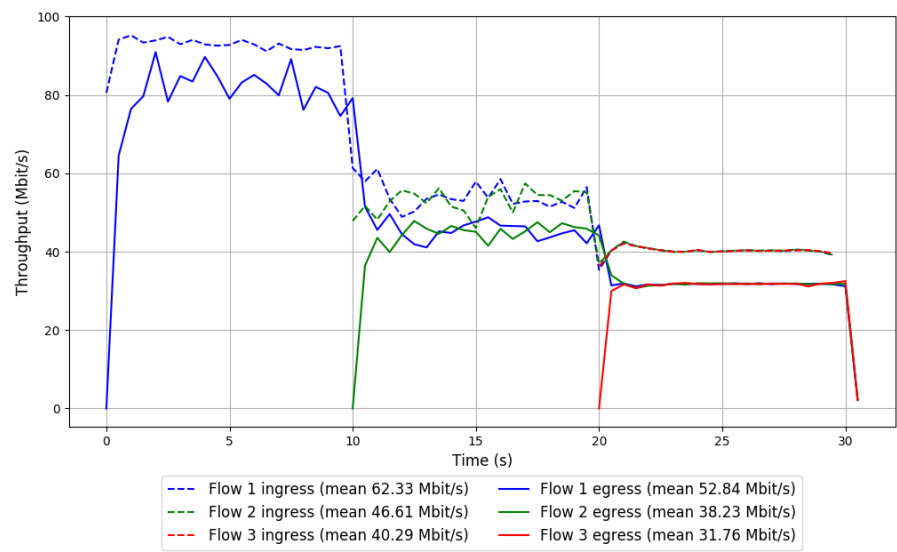


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-03 21:30:28
End at: 2018-07-03 21:30:58
Local clock offset: 1.648 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 38.379 ms
Loss rate: 16.64%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 34.397 ms
Loss rate: 15.12%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 39.581 ms
Loss rate: 17.82%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 41.999 ms
Loss rate: 20.98%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 18:25:31

End at: 2018-07-03 18:26:01

Local clock offset: 4.842 ms

Remote clock offset: -8.3 ms

Below is generated by plot.py at 2018-07-03 21:57:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 6.122 ms

Loss rate: 9.86%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 6.263 ms

Loss rate: 8.10%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 5.118 ms

Loss rate: 14.06%

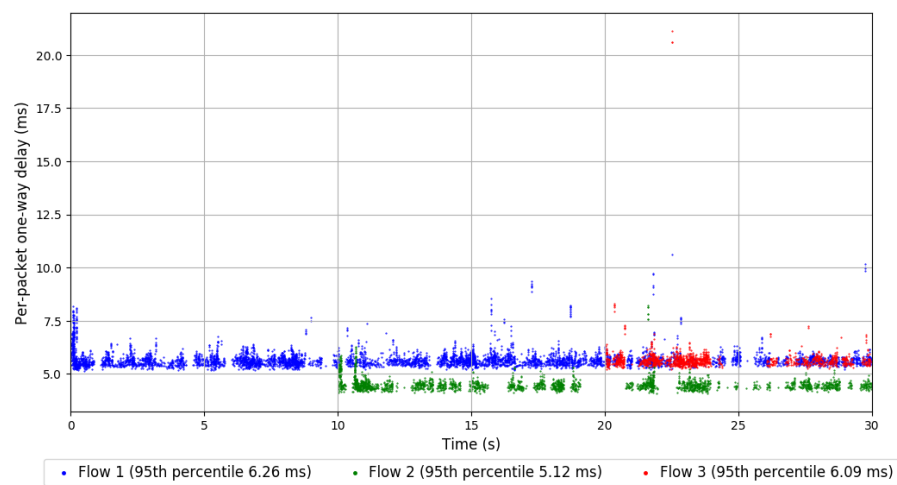
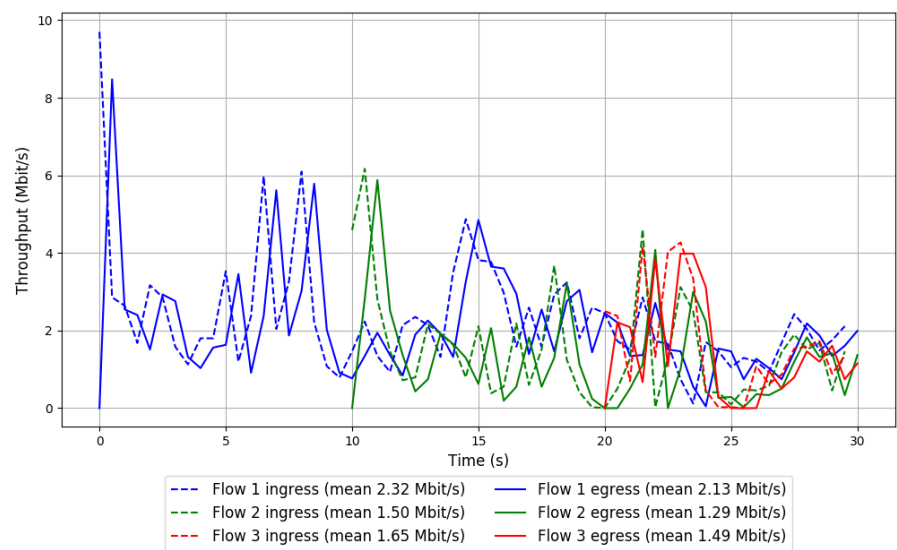
-- Flow 3:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 6.089 ms

Loss rate: 9.64%

Run 1: Report of TCP Vegas — Data Link

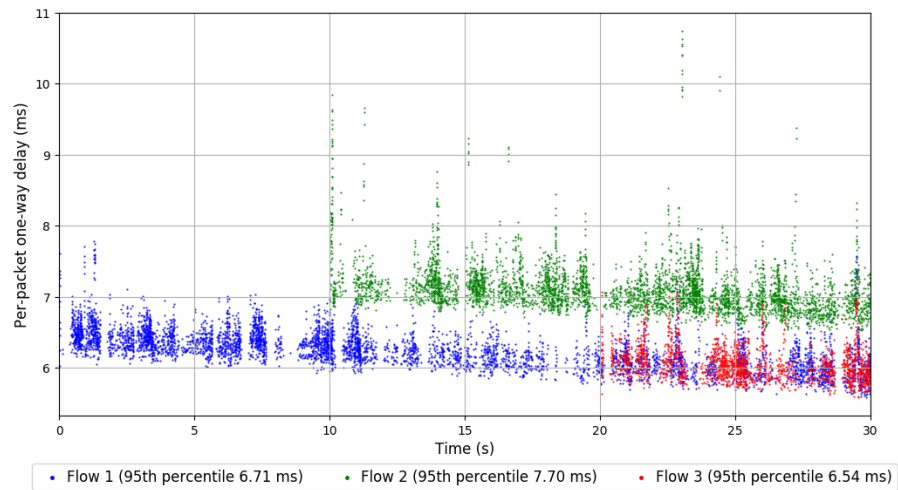
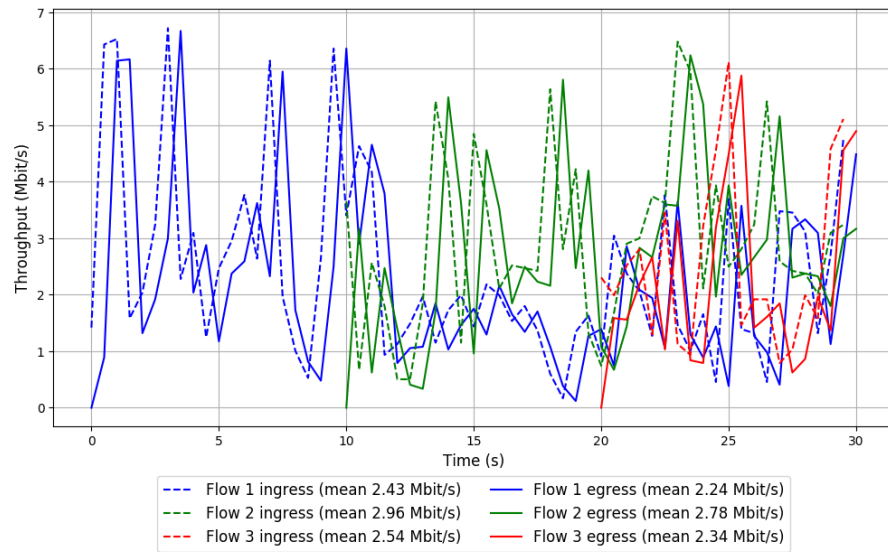


Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 18:45:32
End at: 2018-07-03 18:46:02
Local clock offset: -2.088 ms
Remote clock offset: -8.969 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 7.399 ms
Loss rate: 7.10%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 6.711 ms
Loss rate: 7.70%
-- Flow 2:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 7.701 ms
Loss rate: 5.96%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 6.545 ms
Loss rate: 7.99%

Run 2: Report of TCP Vegas — Data Link

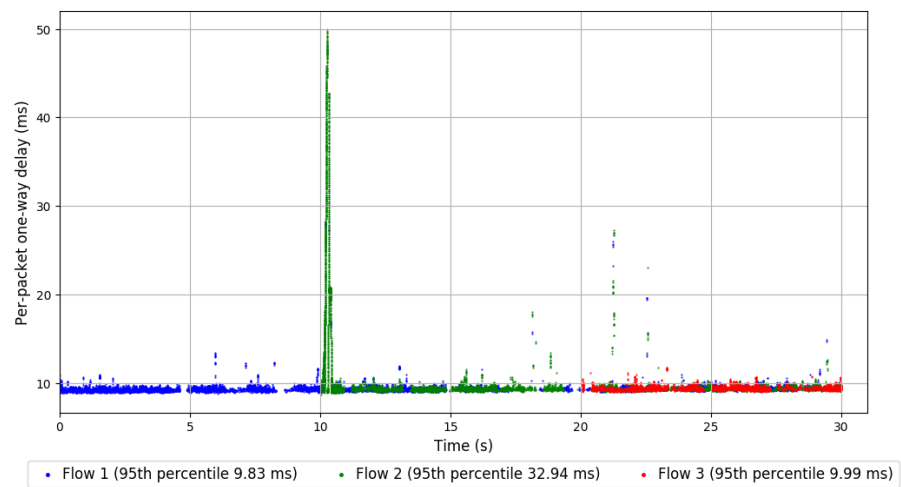
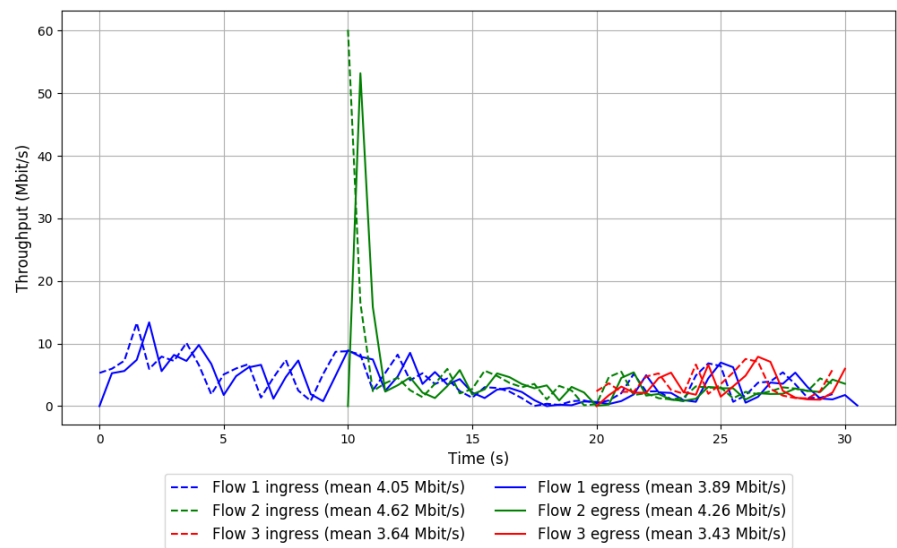


Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 19:05:37
End at: 2018-07-03 19:06:07
Local clock offset: -3.814 ms
Remote clock offset: -1.697 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 20.498 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 9.833 ms
Loss rate: 3.79%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 32.941 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 9.988 ms
Loss rate: 5.76%

Run 3: Report of TCP Vegas — Data Link

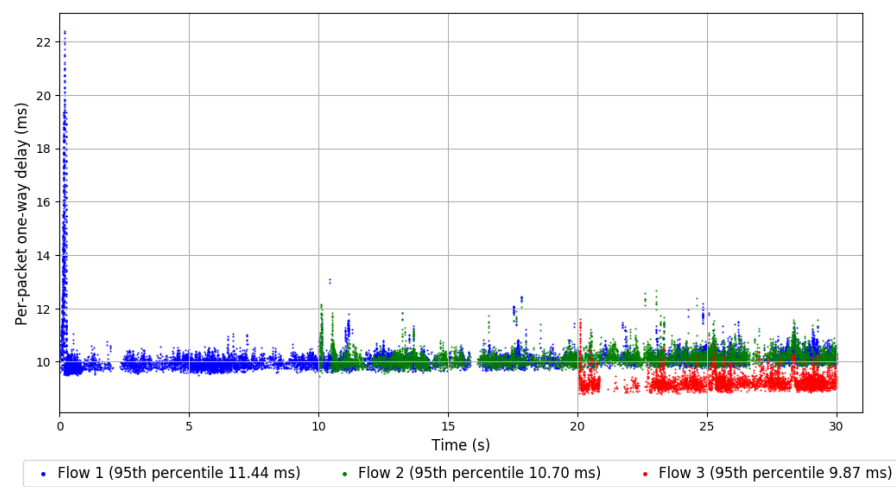
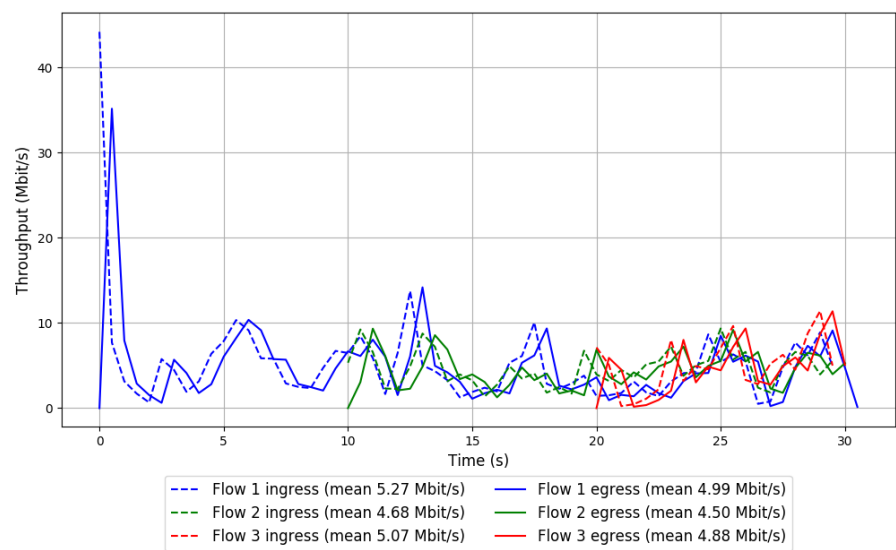


Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 19:25:37
End at: 2018-07-03 19:26:07
Local clock offset: -0.103 ms
Remote clock offset: -7.831 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 10.799 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 11.436 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 10.701 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 9.873 ms
Loss rate: 3.66%

Run 4: Report of TCP Vegas — Data Link

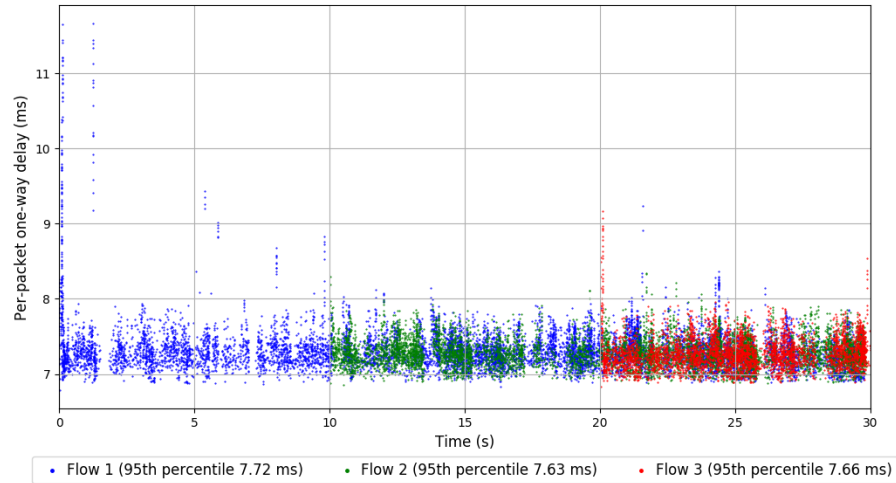
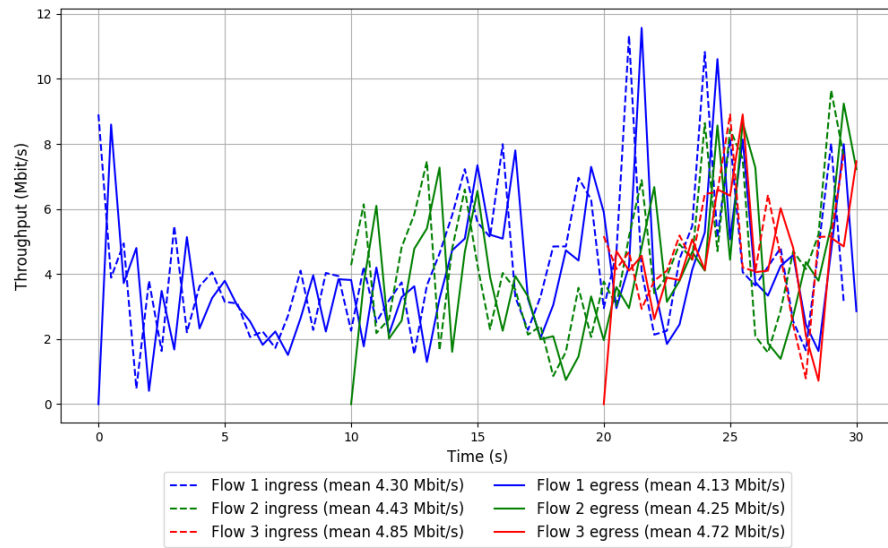


Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 19:45:33
End at: 2018-07-03 19:46:03
Local clock offset: -1.624 ms
Remote clock offset: -12.369 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 7.672 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 7.718 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 7.626 ms
Loss rate: 4.23%
-- Flow 3:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 7.662 ms
Loss rate: 2.83%

Run 5: Report of TCP Vegas — Data Link

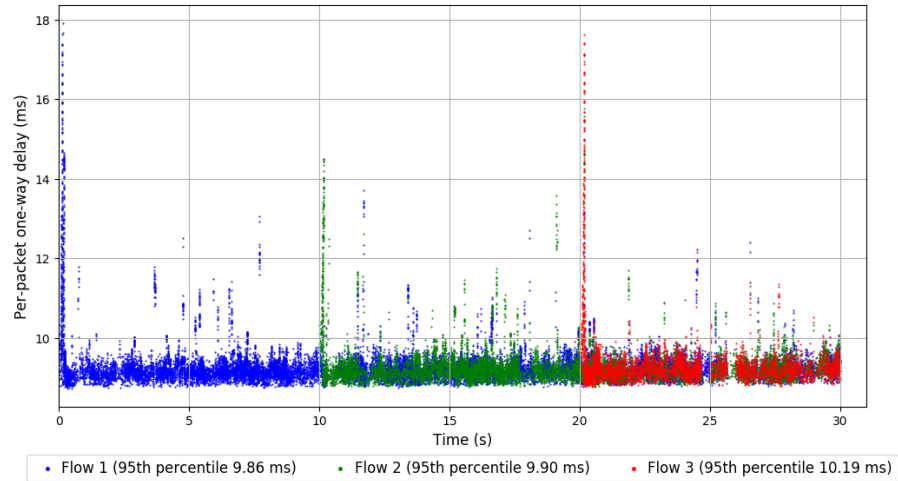
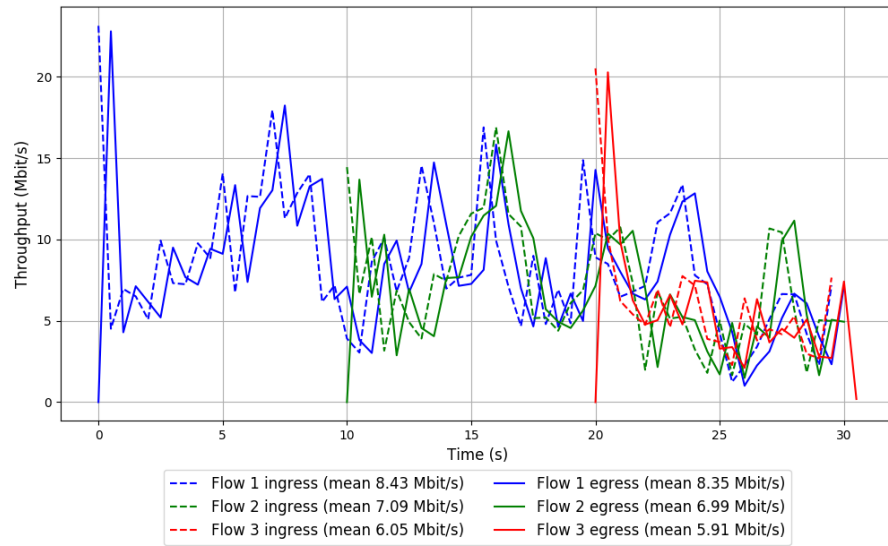


Run 6: Statistics of TCP Vegas

Start at: 2018-07-03 20:05:30
End at: 2018-07-03 20:06:00
Local clock offset: -4.041 ms
Remote clock offset: -2.869 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 9.920 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 9.860 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 9.903 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 10.194 ms
Loss rate: 2.33%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-03 20:25:14

End at: 2018-07-03 20:25:44

Local clock offset: 3.648 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2018-07-03 21:57:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.38 Mbit/s

95th percentile per-packet one-way delay: 15.806 ms

Loss rate: 2.95%

-- Flow 1:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 7.513 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 9.99 Mbit/s

95th percentile per-packet one-way delay: 33.065 ms

Loss rate: 4.97%

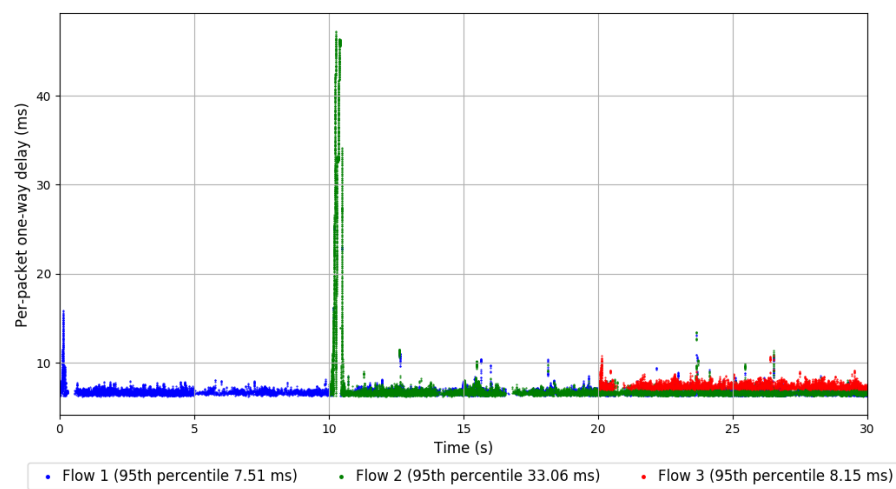
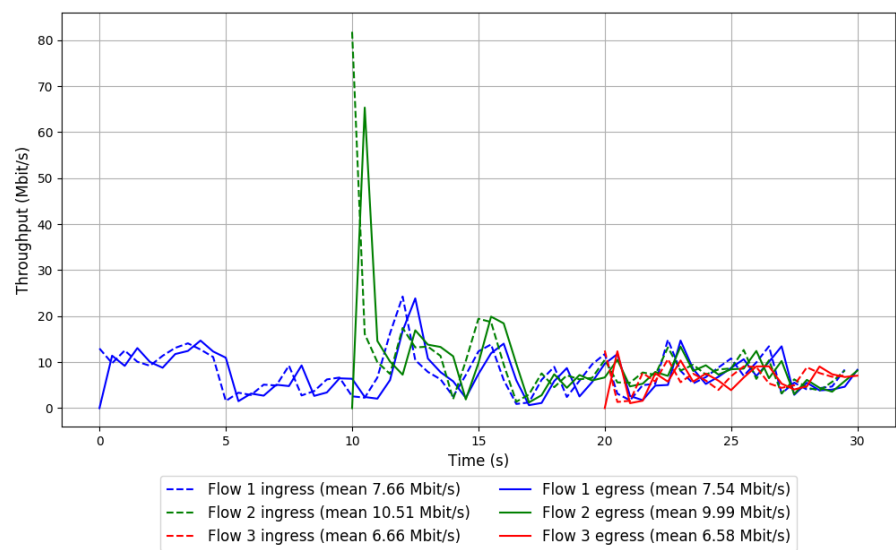
-- Flow 3:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 8.150 ms

Loss rate: 1.28%

Run 7: Report of TCP Vegas — Data Link

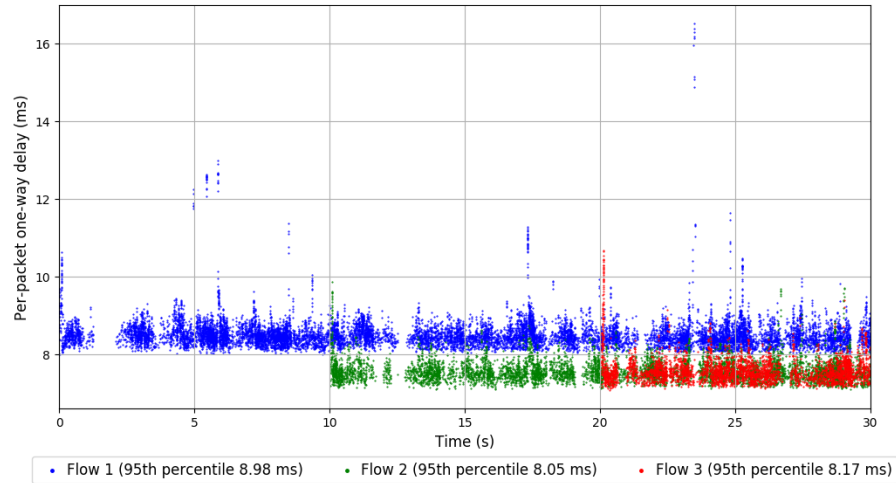
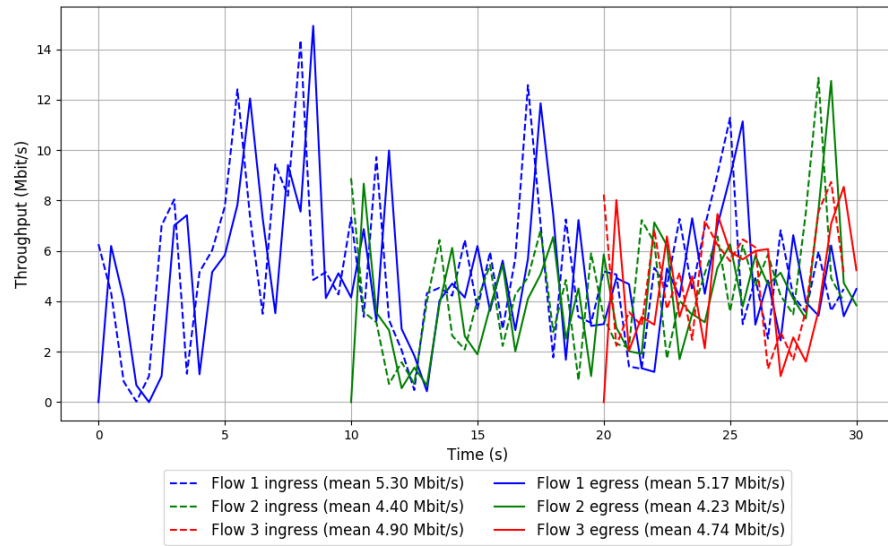


Run 8: Statistics of TCP Vegas

Start at: 2018-07-03 20:45:06
End at: 2018-07-03 20:45:36
Local clock offset: 1.473 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 8.864 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 8.980 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 8.048 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 8.168 ms
Loss rate: 3.29%

Run 8: Report of TCP Vegas — Data Link

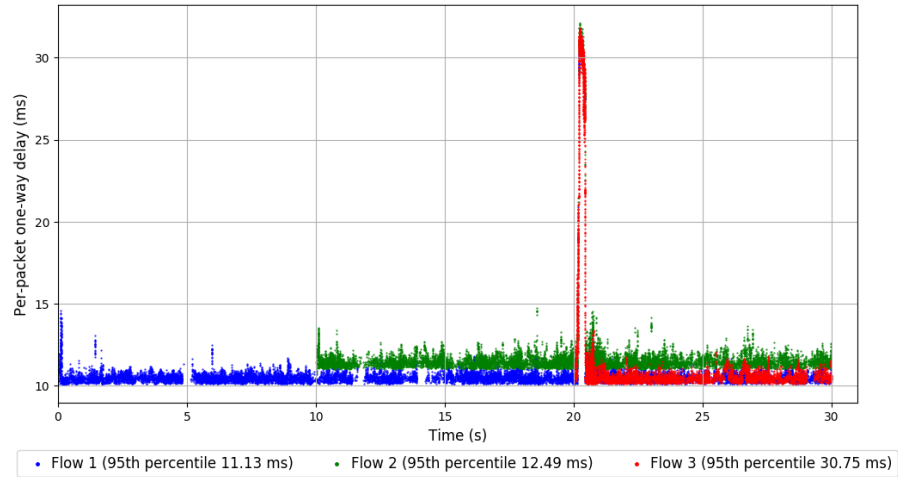
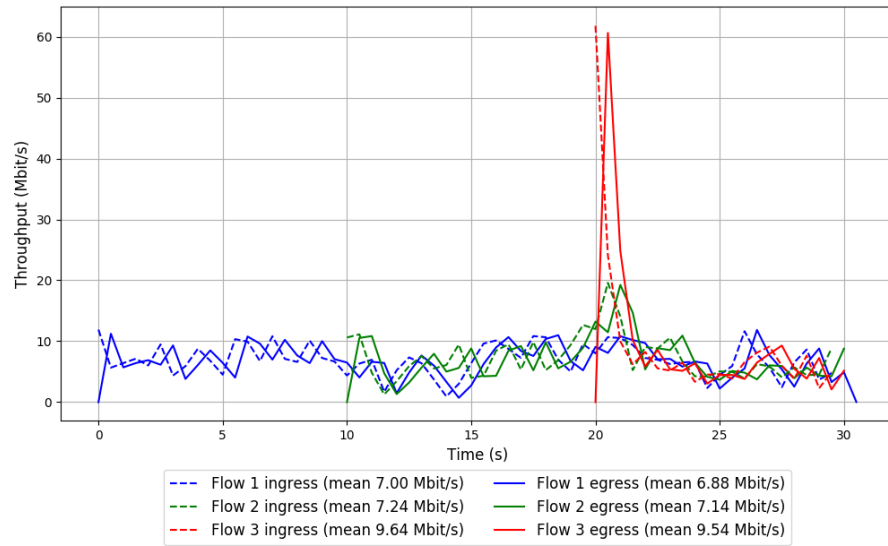


Run 9: Statistics of TCP Vegas

Start at: 2018-07-03 21:05:48
End at: 2018-07-03 21:06:18
Local clock offset: -2.155 ms
Remote clock offset: -1.033 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 26.672 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 11.131 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 12.489 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 30.749 ms
Loss rate: 1.04%

Run 9: Report of TCP Vegas — Data Link

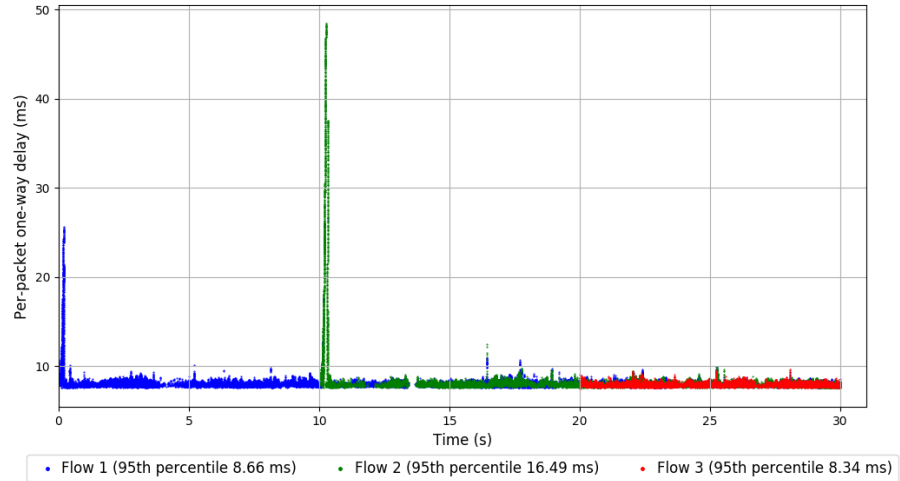
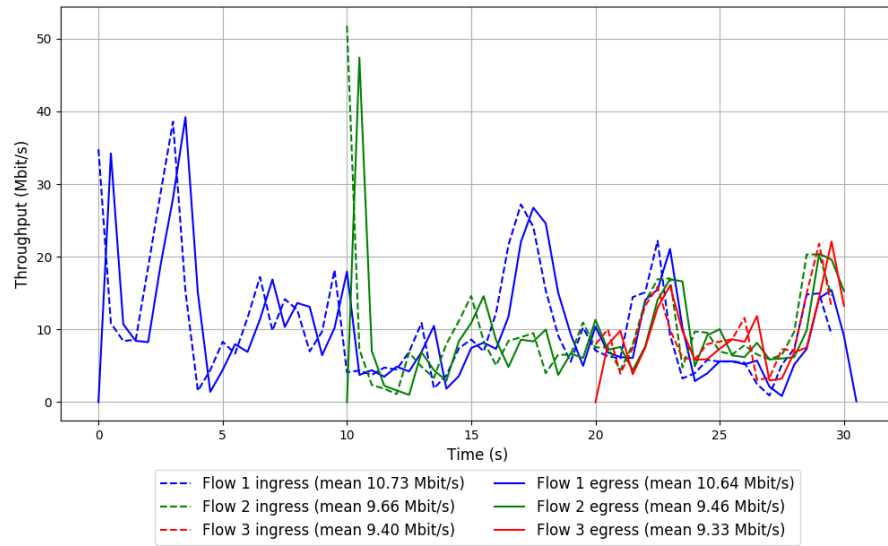


Run 10: Statistics of TCP Vegas

Start at: 2018-07-03 21:25:53
End at: 2018-07-03 21:26:23
Local clock offset: 0.065 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 8.851 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 8.662 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 16.492 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 8.337 ms
Loss rate: 0.77%

Run 10: Report of TCP Vegas — Data Link

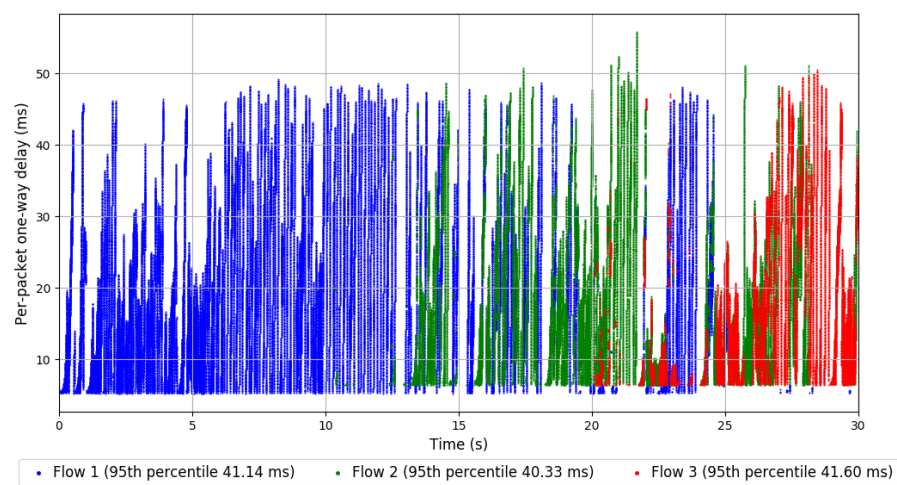
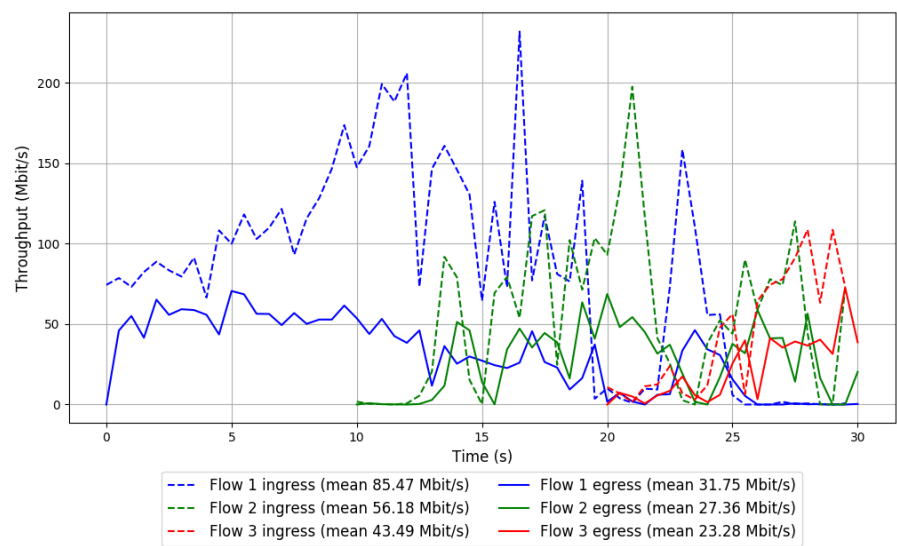


Run 1: Statistics of Verus

Start at: 2018-07-03 18:27:44
End at: 2018-07-03 18:28:14
Local clock offset: 4.307 ms
Remote clock offset: -8.042 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 40.998 ms
Loss rate: 57.95%
-- Flow 1:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 41.144 ms
Loss rate: 62.88%
-- Flow 2:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 40.329 ms
Loss rate: 51.25%
-- Flow 3:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 41.601 ms
Loss rate: 46.31%

Run 1: Report of Verus — Data Link

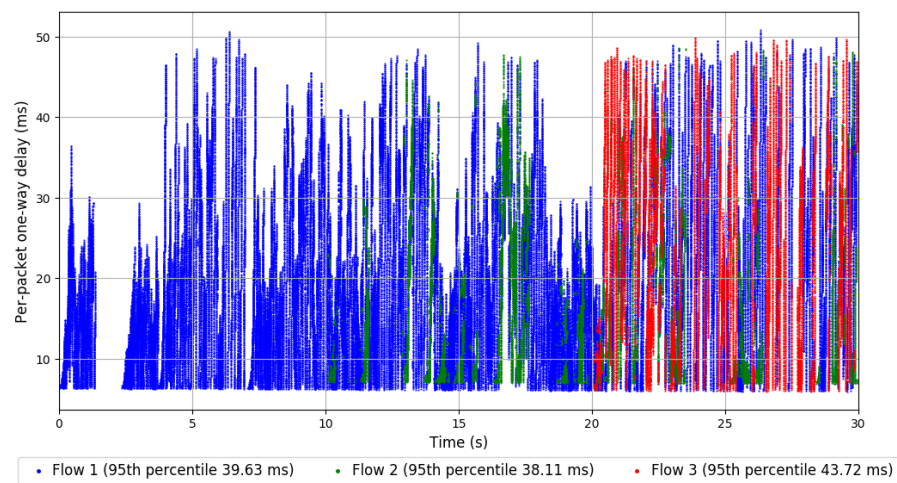
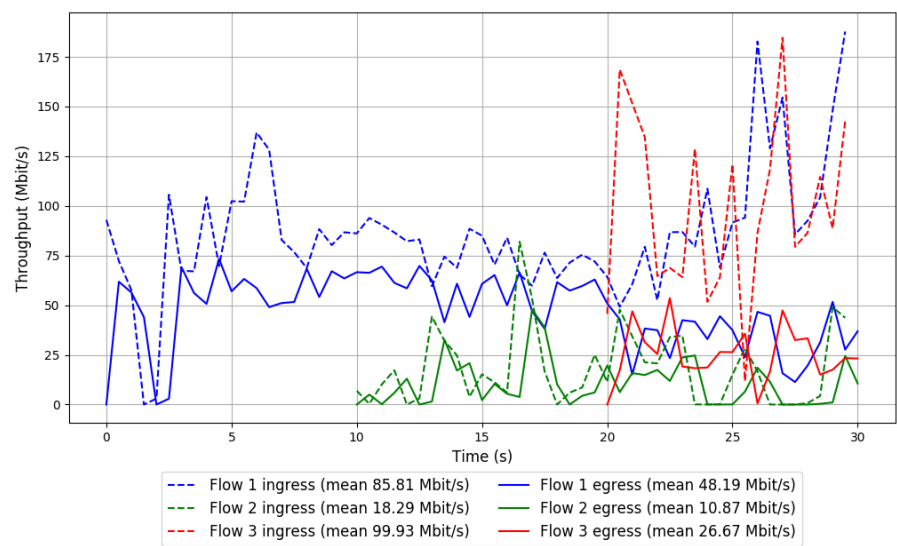


Run 2: Statistics of Verus

Start at: 2018-07-03 18:47:52
End at: 2018-07-03 18:48:22
Local clock offset: -2.974 ms
Remote clock offset: -7.467 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 40.369 ms
Loss rate: 50.97%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 39.626 ms
Loss rate: 43.86%
-- Flow 2:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 38.110 ms
Loss rate: 40.62%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 43.721 ms
Loss rate: 73.26%

Run 2: Report of Verus — Data Link

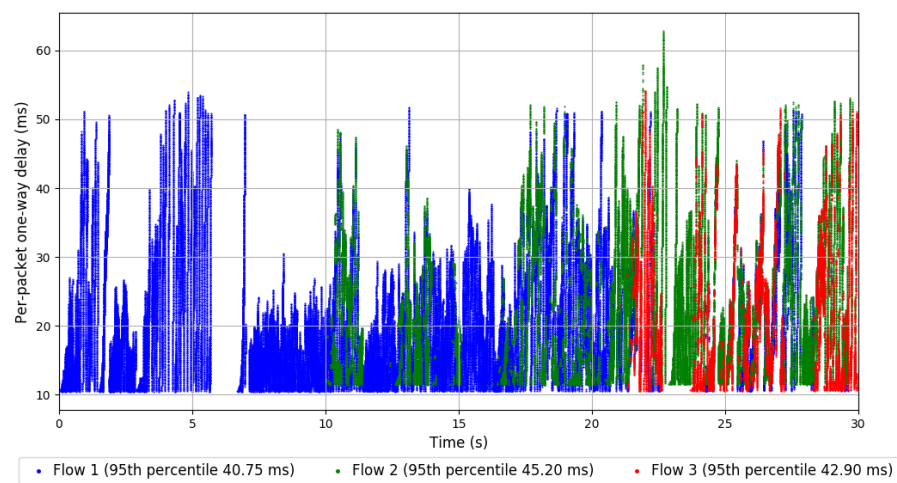
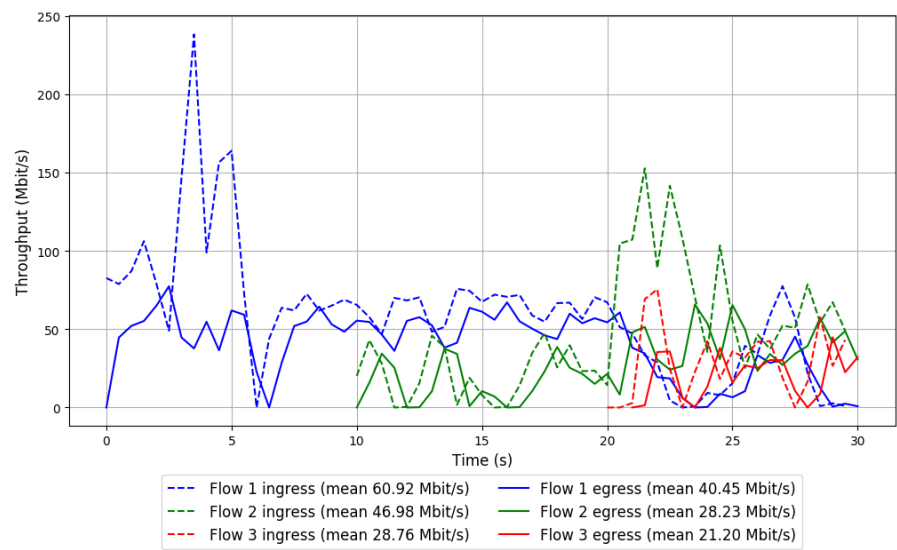


Run 3: Statistics of Verus

Start at: 2018-07-03 19:07:49
End at: 2018-07-03 19:08:19
Local clock offset: -5.482 ms
Remote clock offset: -1.837 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 42.748 ms
Loss rate: 35.83%
-- Flow 1:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 40.751 ms
Loss rate: 33.98%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 45.201 ms
Loss rate: 40.04%
-- Flow 3:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 42.903 ms
Loss rate: 33.80%

Run 3: Report of Verus — Data Link

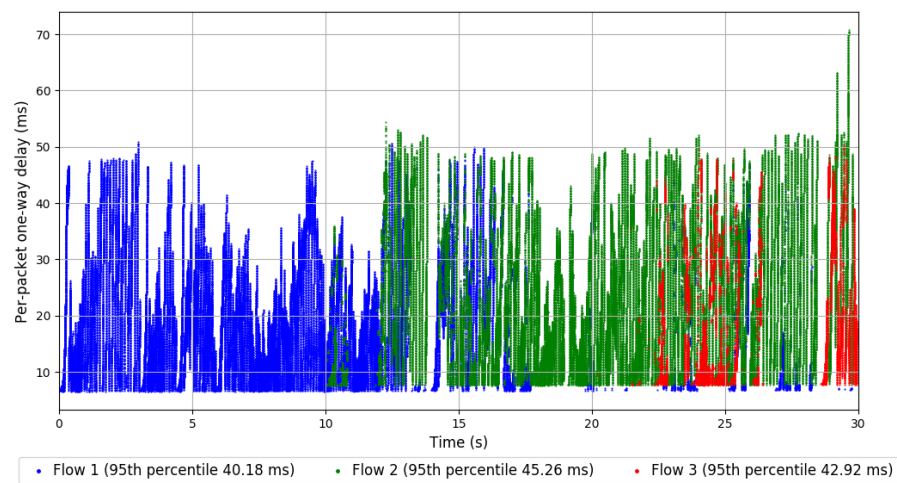
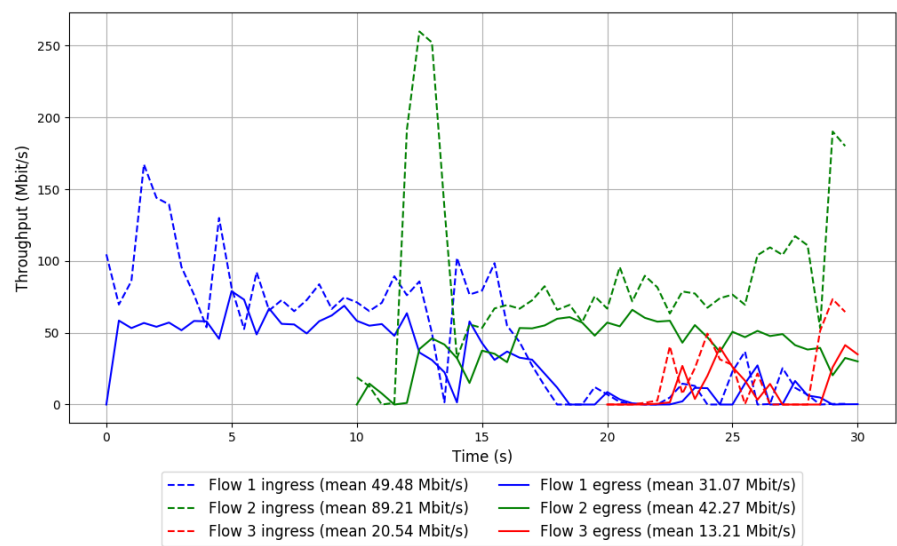


Run 4: Statistics of Verus

Start at: 2018-07-03 19:27:48
End at: 2018-07-03 19:28:18
Local clock offset: 2.532 ms
Remote clock offset: -8.512 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 43.018 ms
Loss rate: 44.99%
-- Flow 1:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 40.184 ms
Loss rate: 37.18%
-- Flow 2:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 45.260 ms
Loss rate: 52.59%
-- Flow 3:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 42.917 ms
Loss rate: 35.65%

Run 4: Report of Verus — Data Link

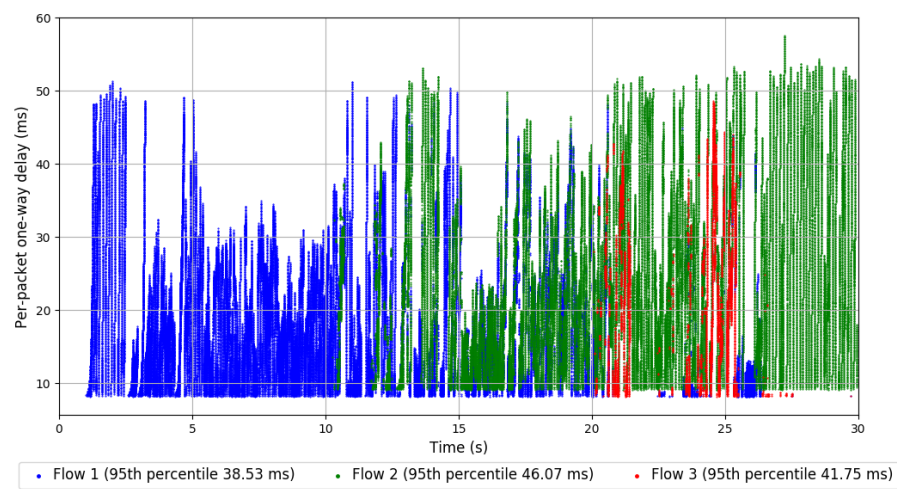
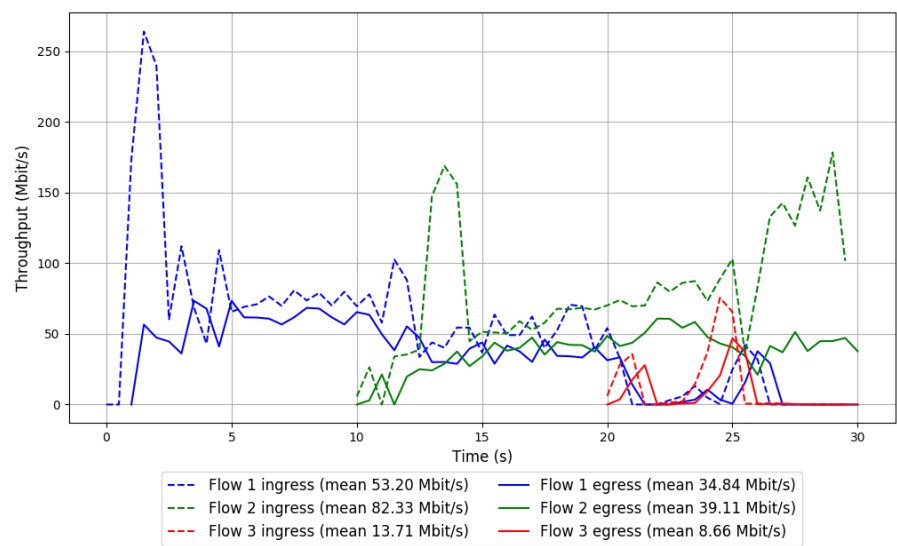


Run 5: Statistics of Verus

Start at: 2018-07-03 19:47:44
End at: 2018-07-03 19:48:14
Local clock offset: -4.68 ms
Remote clock offset: -14.026 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.01 Mbit/s
95th percentile per-packet one-way delay: 42.953 ms
Loss rate: 44.59%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 38.529 ms
Loss rate: 37.09%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 46.067 ms
Loss rate: 52.48%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 41.754 ms
Loss rate: 38.04%

Run 5: Report of Verus — Data Link

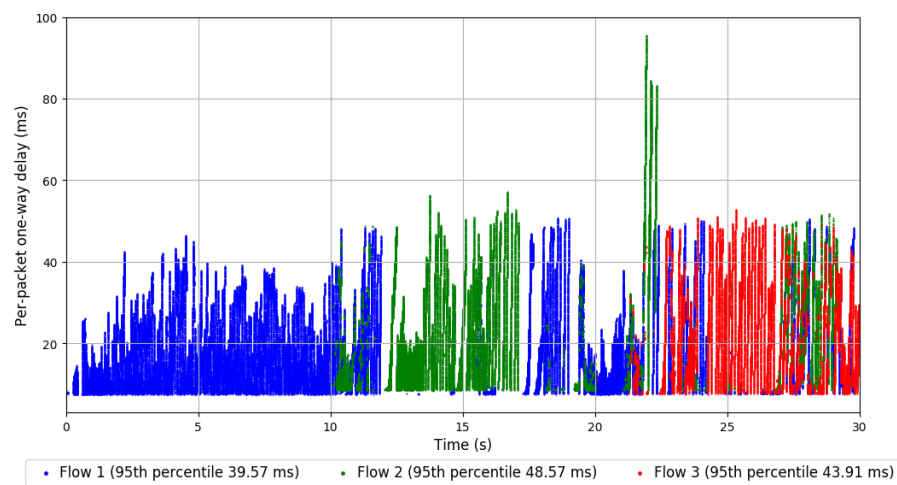
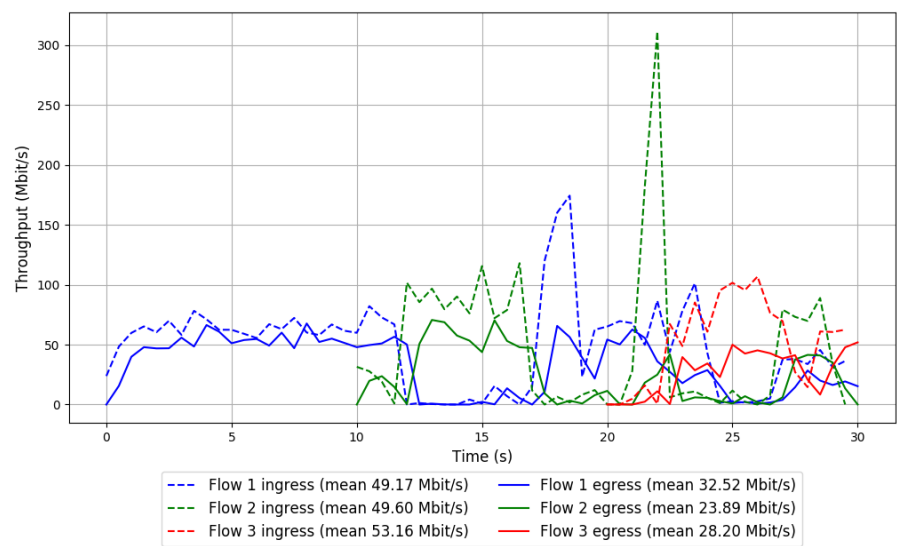


Run 6: Statistics of Verus

Start at: 2018-07-03 20:07:40
End at: 2018-07-03 20:08:10
Local clock offset: -1.804 ms
Remote clock offset: -2.365 ms

Below is generated by plot.py at 2018-07-03 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 43.217 ms
Loss rate: 42.09%
-- Flow 1:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 39.574 ms
Loss rate: 33.86%
-- Flow 2:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 48.571 ms
Loss rate: 51.85%
-- Flow 3:
Average throughput: 28.20 Mbit/s
95th percentile per-packet one-way delay: 43.908 ms
Loss rate: 46.86%

Run 6: Report of Verus — Data Link

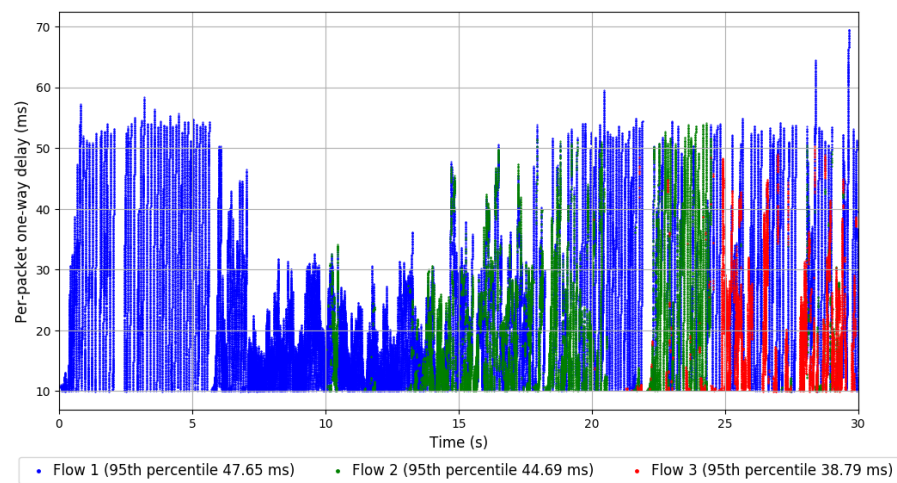
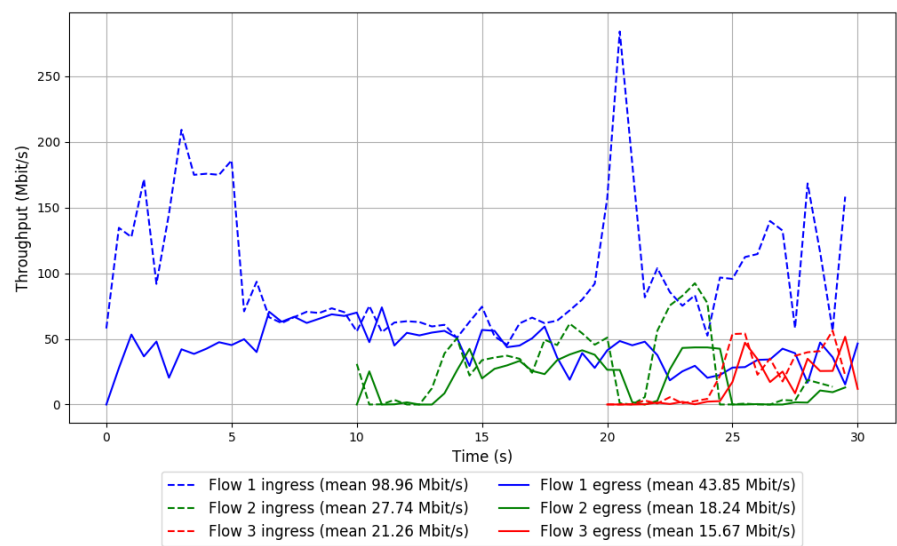


Run 7: Statistics of Verus

Start at: 2018-07-03 20:27:25
End at: 2018-07-03 20:27:55
Local clock offset: 0.87 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-03 21:58:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 46.634 ms
Loss rate: 50.90%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 47.649 ms
Loss rate: 55.65%
-- Flow 2:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 44.687 ms
Loss rate: 34.36%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 38.793 ms
Loss rate: 26.37%

Run 7: Report of Verus — Data Link

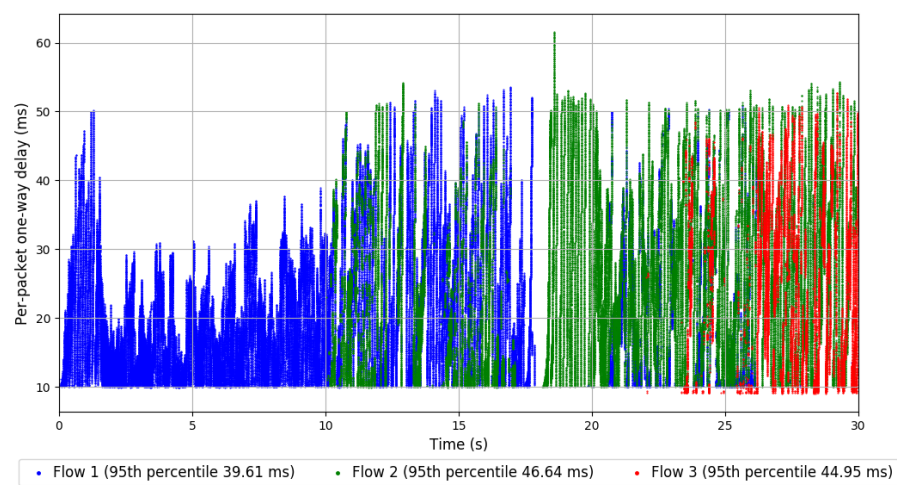
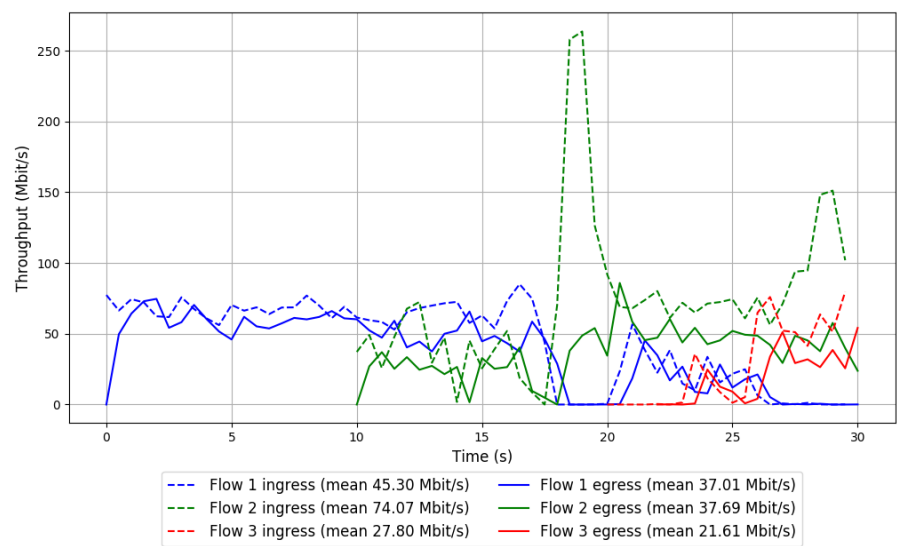


Run 8: Statistics of Verus

Start at: 2018-07-03 20:47:18
End at: 2018-07-03 20:47:48
Local clock offset: -1.919 ms
Remote clock offset: -2.796 ms

Below is generated by plot.py at 2018-07-03 21:58:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 43.839 ms
Loss rate: 34.68%
-- Flow 1:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 39.613 ms
Loss rate: 18.37%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 46.640 ms
Loss rate: 49.07%
-- Flow 3:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 37.81%

Run 8: Report of Verus — Data Link

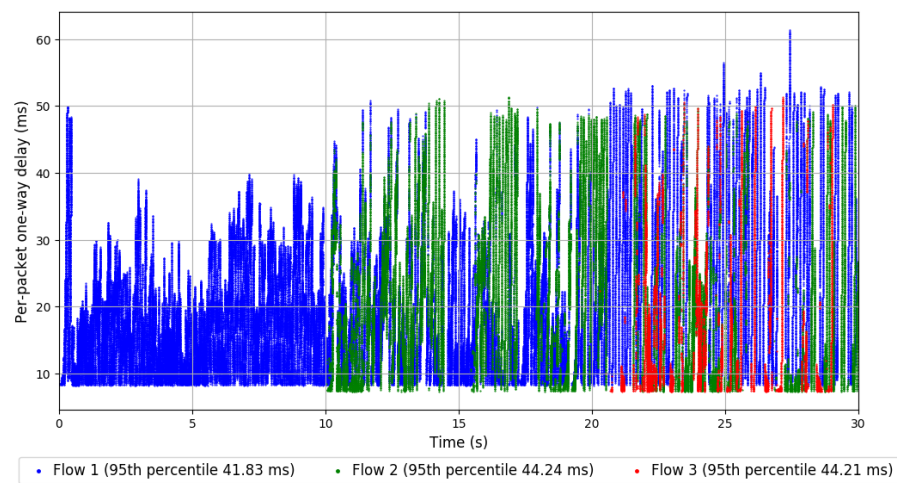
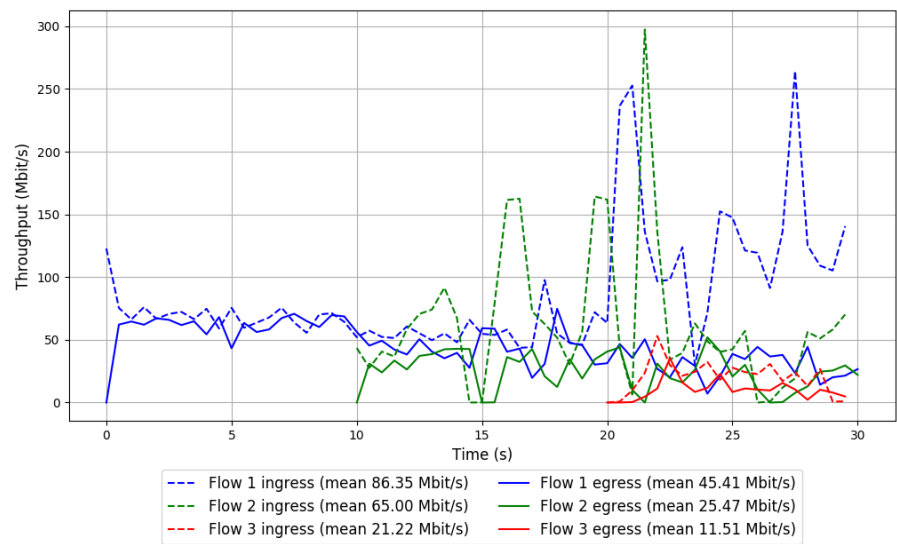


Run 9: Statistics of Verus

Start at: 2018-07-03 21:07:59
End at: 2018-07-03 21:08:29
Local clock offset: 0.36 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.66 Mbit/s
95th percentile per-packet one-way delay: 42.867 ms
Loss rate: 51.75%
-- Flow 1:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 41.829 ms
Loss rate: 47.36%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 44.245 ms
Loss rate: 60.78%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 44.209 ms
Loss rate: 49.91%

Run 9: Report of Verus — Data Link

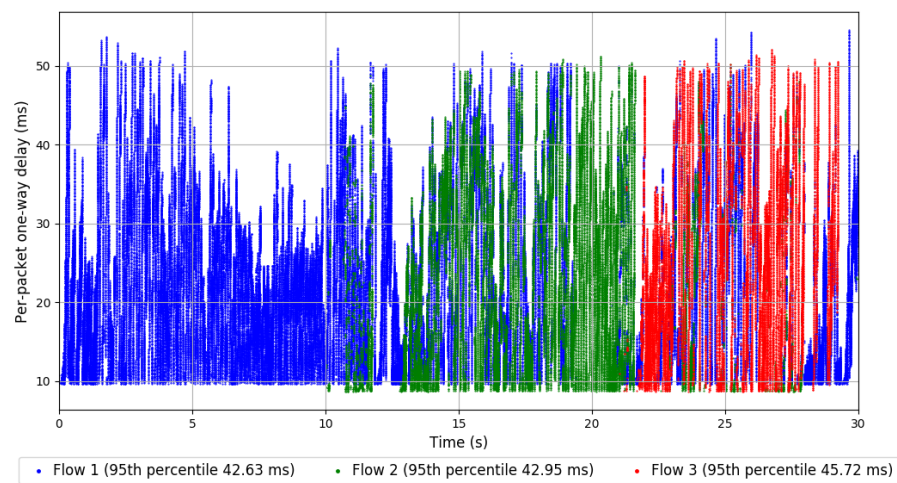
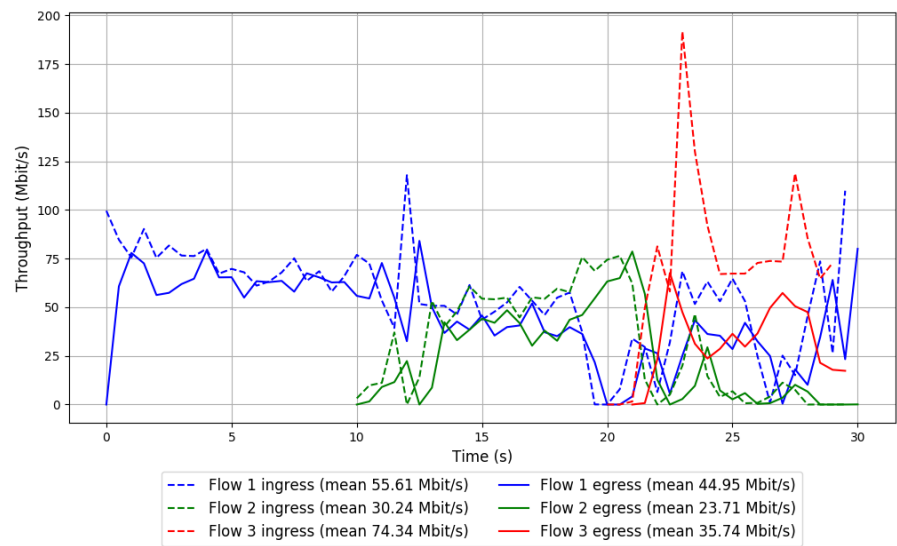


Run 10: Statistics of Verus

Start at: 2018-07-03 21:28:05
End at: 2018-07-03 21:28:35
Local clock offset: -0.334 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 43.288 ms
Loss rate: 28.40%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 42.633 ms
Loss rate: 19.10%
-- Flow 2:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 42.950 ms
Loss rate: 21.55%
-- Flow 3:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 45.722 ms
Loss rate: 57.08%

Run 10: Report of Verus — Data Link

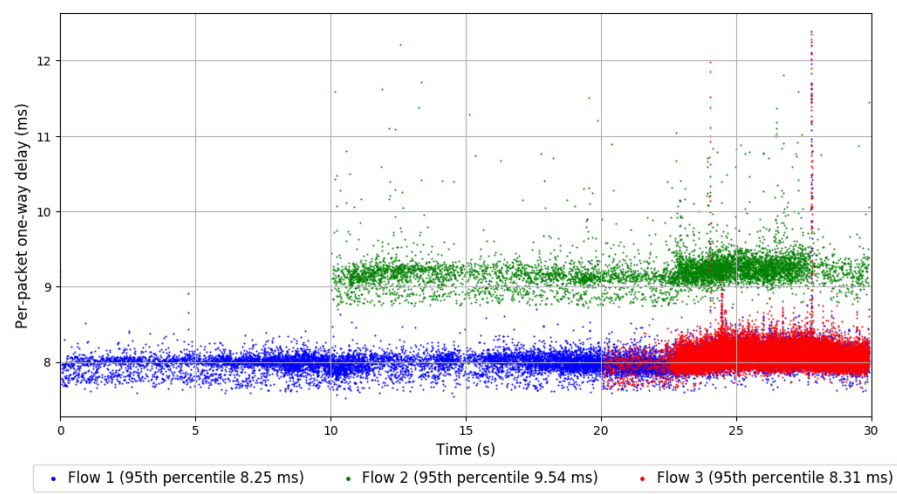
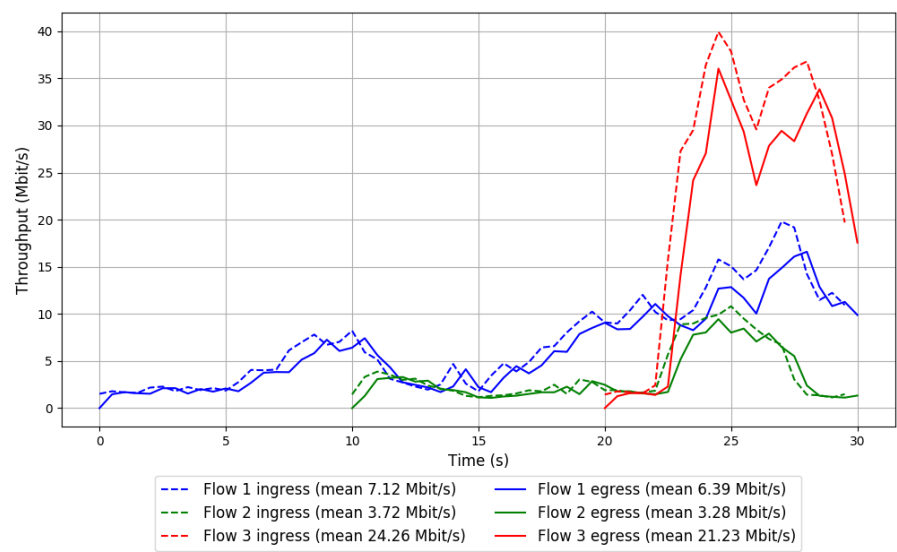


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 18:22:08
End at: 2018-07-03 18:22:38
Local clock offset: 1.039 ms
Remote clock offset: -7.709 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 9.263 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 8.246 ms
Loss rate: 10.29%
-- Flow 2:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 9.537 ms
Loss rate: 11.80%
-- Flow 3:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 8.308 ms
Loss rate: 12.50%

Run 1: Report of PCC-Vivace — Data Link

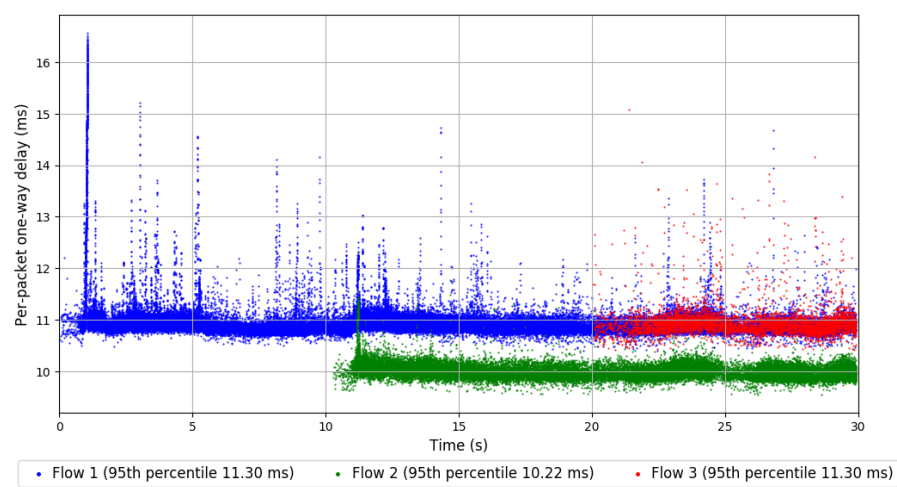
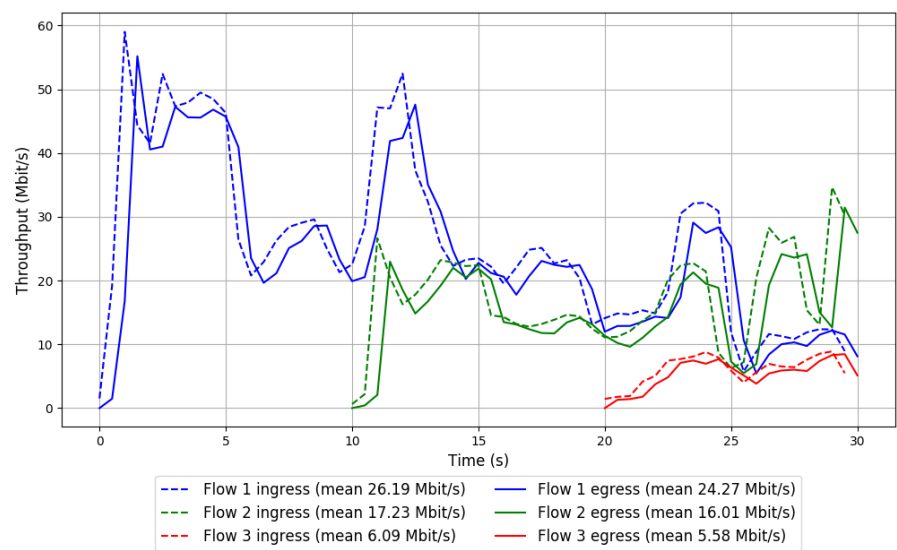


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 18:42:07
End at: 2018-07-03 18:42:37
Local clock offset: -4.283 ms
Remote clock offset: -9.574 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 11.188 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 11.301 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 10.224 ms
Loss rate: 8.24%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 11.304 ms
Loss rate: 8.43%

Run 2: Report of PCC-Vivace — Data Link

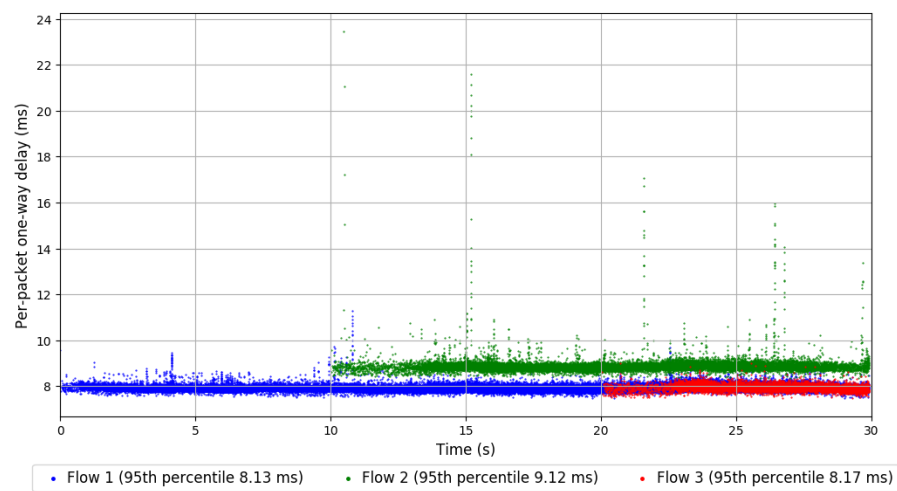
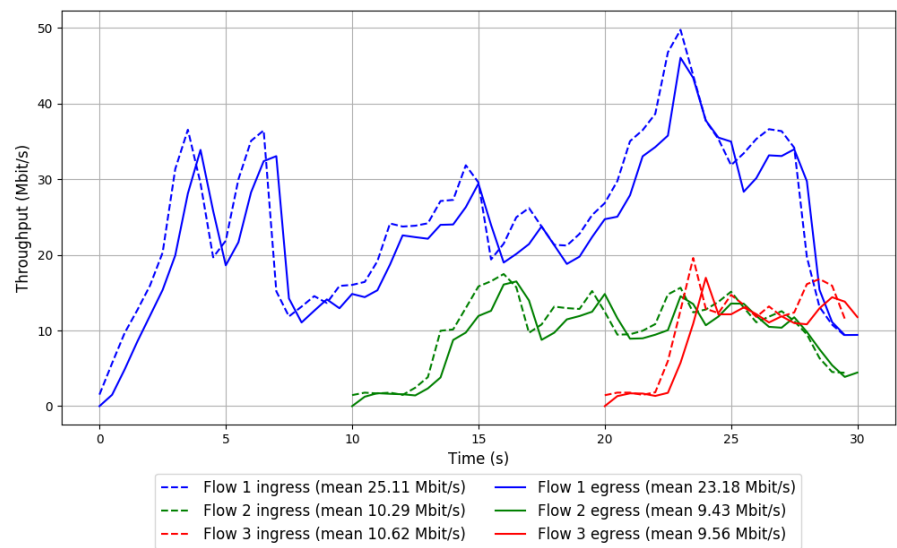


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 19:02:07
End at: 2018-07-03 19:02:37
Local clock offset: -6.097 ms
Remote clock offset: -2.614 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 8.941 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 8.128 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 9.122 ms
Loss rate: 8.39%
-- Flow 3:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 8.167 ms
Loss rate: 10.00%

Run 3: Report of PCC-Vivace — Data Link

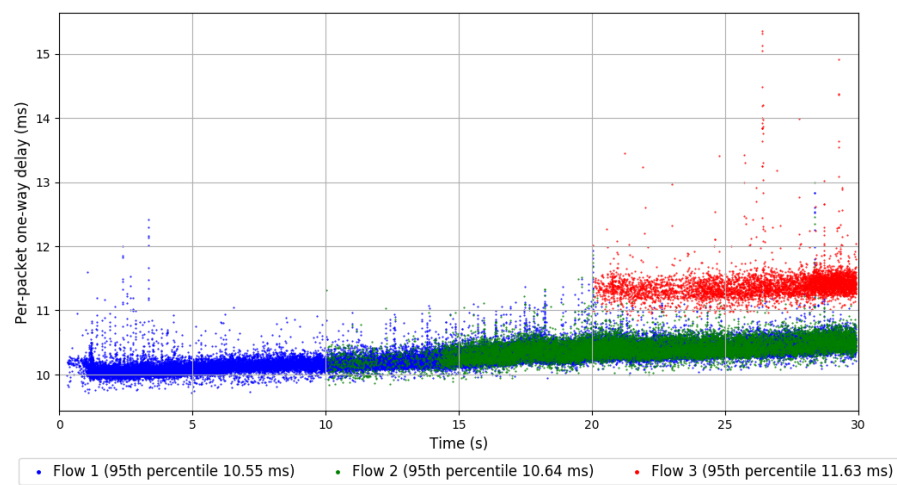
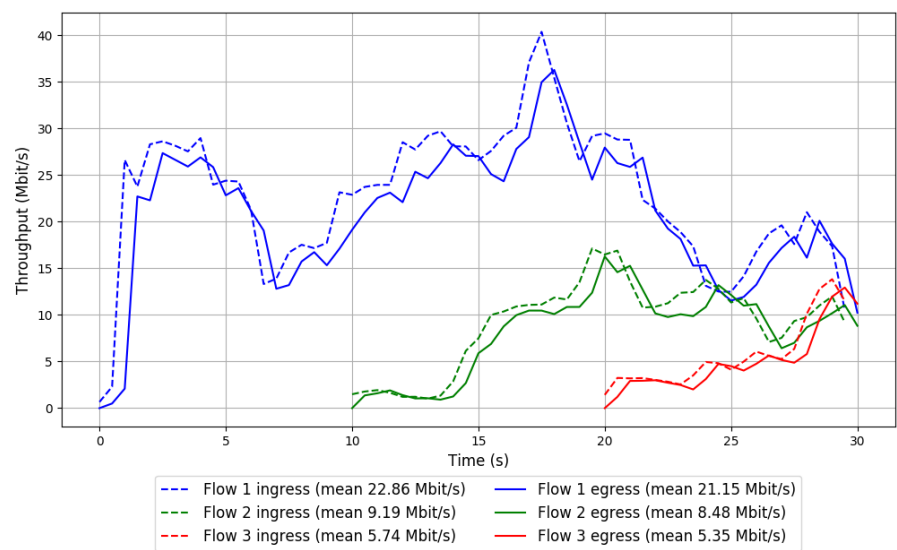


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 19:22:16
End at: 2018-07-03 19:22:46
Local clock offset: -0.766 ms
Remote clock offset: -4.614 ms

Below is generated by plot.py at 2018-07-03 21:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 11.288 ms
Loss rate: 7.52%
-- Flow 1:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 10.551 ms
Loss rate: 7.49%
-- Flow 2:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 10.642 ms
Loss rate: 7.80%
-- Flow 3:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 11.635 ms
Loss rate: 6.91%

Run 4: Report of PCC-Vivace — Data Link

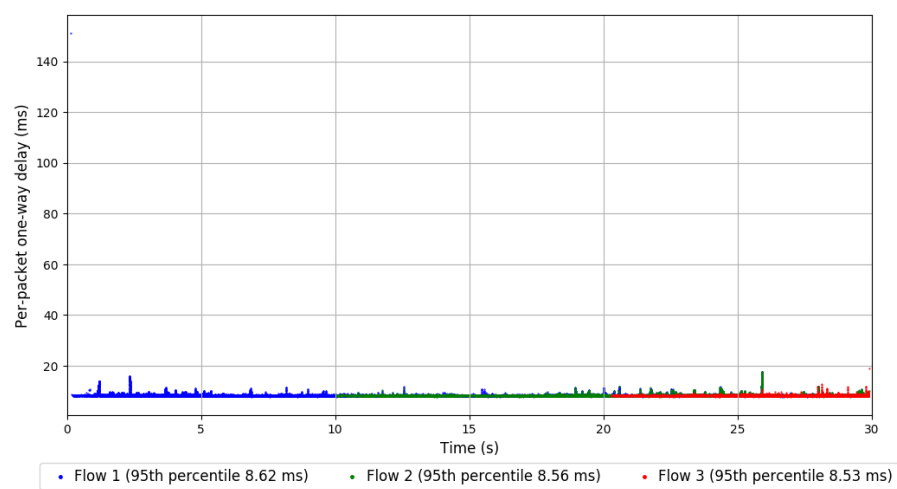
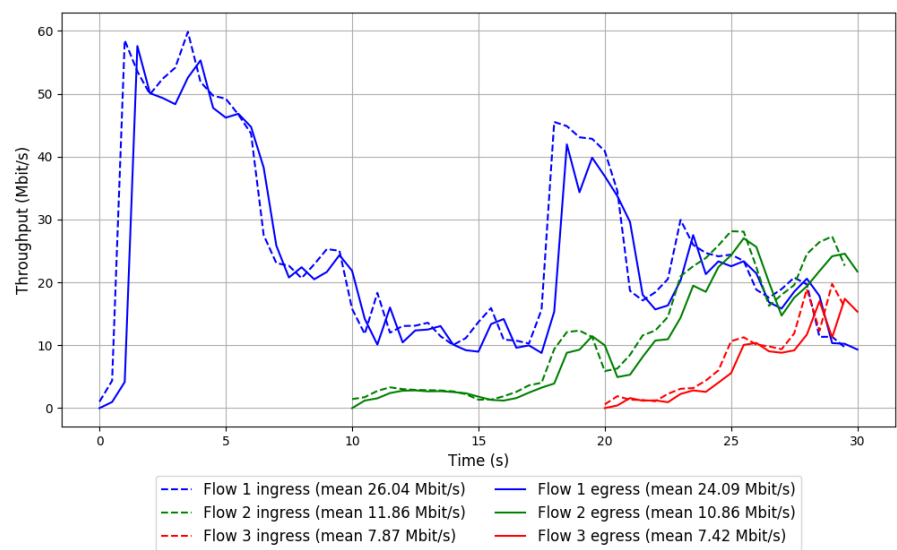


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 19:42:04
End at: 2018-07-03 19:42:34
Local clock offset: -1.966 ms
Remote clock offset: -12.698 ms

Below is generated by plot.py at 2018-07-03 21:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 8.592 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 8.616 ms
Loss rate: 7.91%
-- Flow 2:
Average throughput: 10.86 Mbit/s
95th percentile per-packet one-way delay: 8.559 ms
Loss rate: 8.38%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 8.531 ms
Loss rate: 8.00%

Run 5: Report of PCC-Vivace — Data Link

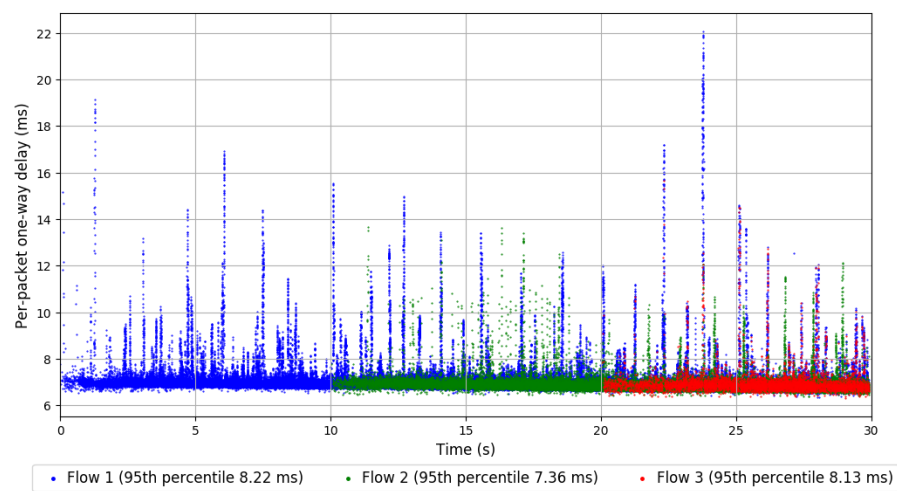
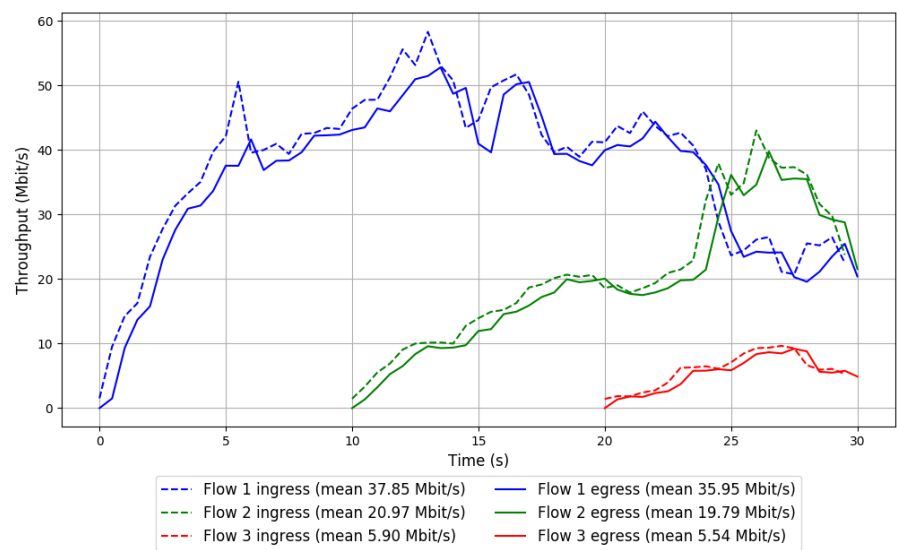


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-03 20:02:07
End at: 2018-07-03 20:02:37
Local clock offset: -3.861 ms
Remote clock offset: -5.148 ms

Below is generated by plot.py at 2018-07-03 21:58:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 7.976 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 8.218 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 7.364 ms
Loss rate: 5.63%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 8.130 ms
Loss rate: 6.16%

Run 6: Report of PCC-Vivace — Data Link

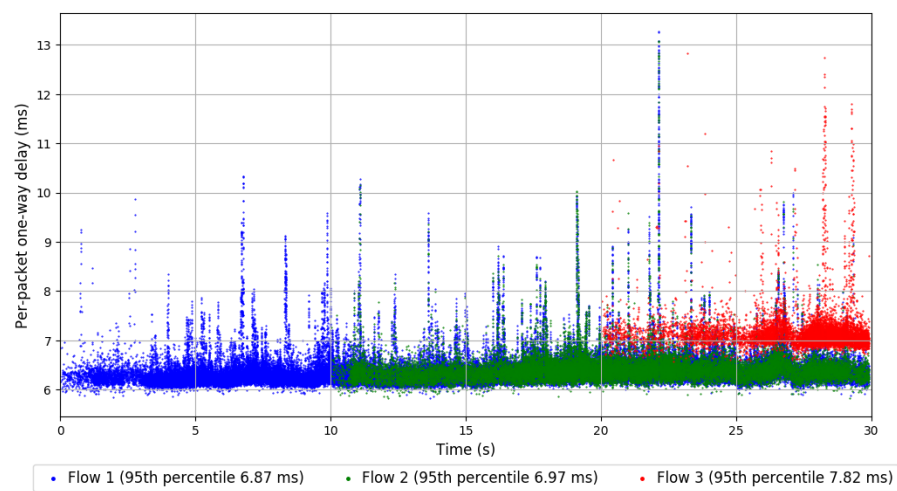
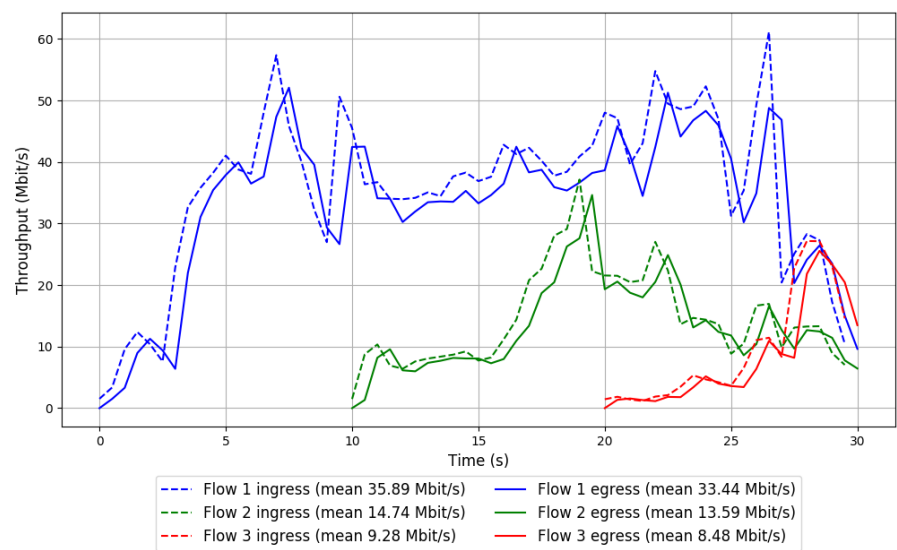


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-03 20:21:52
End at: 2018-07-03 20:22:22
Local clock offset: 3.056 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-03 21:58:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 7.170 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 6.868 ms
Loss rate: 6.82%
-- Flow 2:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 6.970 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 7.821 ms
Loss rate: 8.58%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-03 20:41:38

End at: 2018-07-03 20:42:08

Local clock offset: 3.205 ms

Remote clock offset: -2.43 ms

Below is generated by plot.py at 2018-07-03 21:58:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.56 Mbit/s

95th percentile per-packet one-way delay: 6.528 ms

Loss rate: 7.52%

-- Flow 1:

Average throughput: 44.99 Mbit/s

95th percentile per-packet one-way delay: 6.609 ms

Loss rate: 7.37%

-- Flow 2:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 5.483 ms

Loss rate: 7.57%

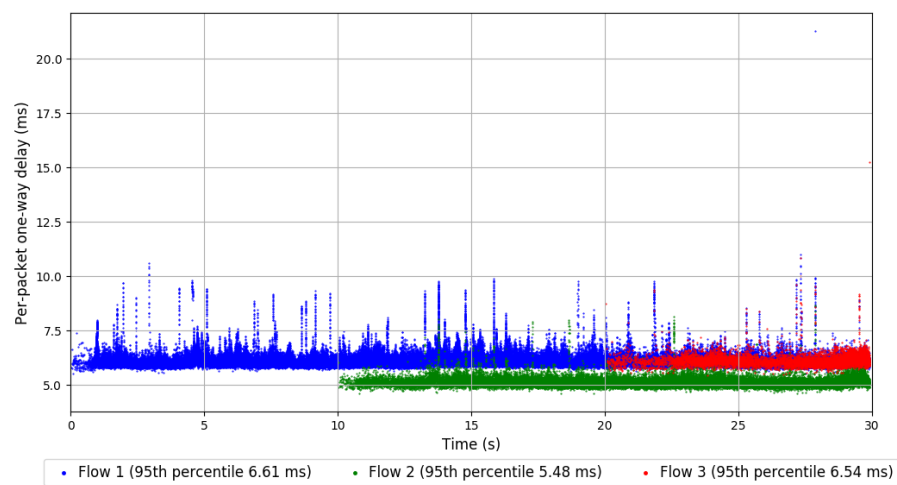
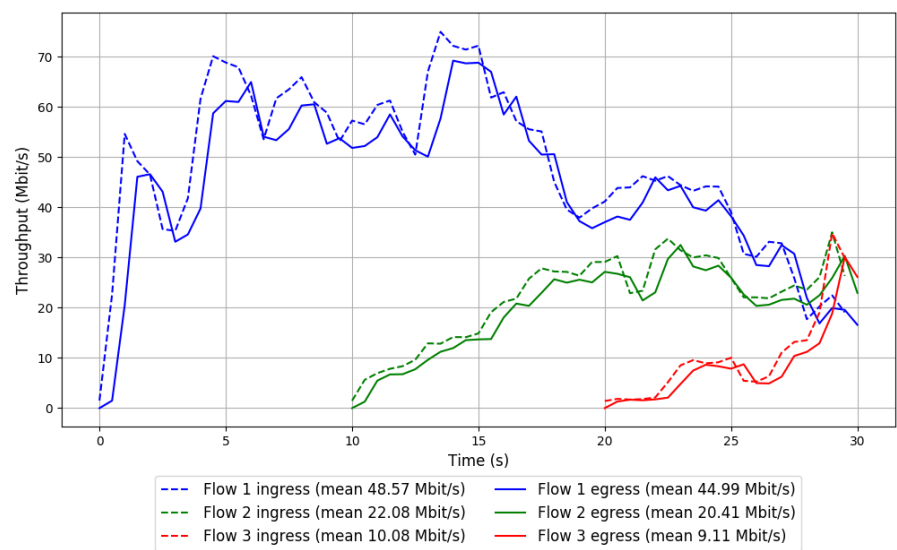
-- Flow 3:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 6.538 ms

Loss rate: 9.49%

Run 8: Report of PCC-Vivace — Data Link

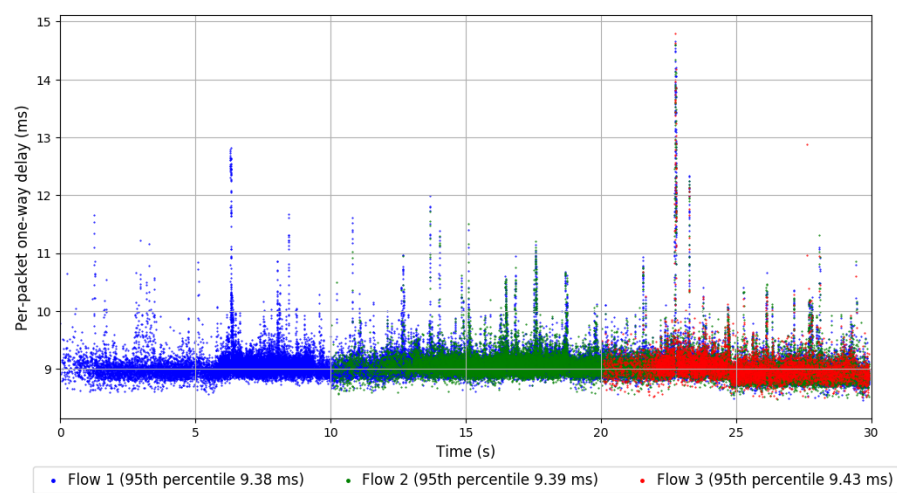
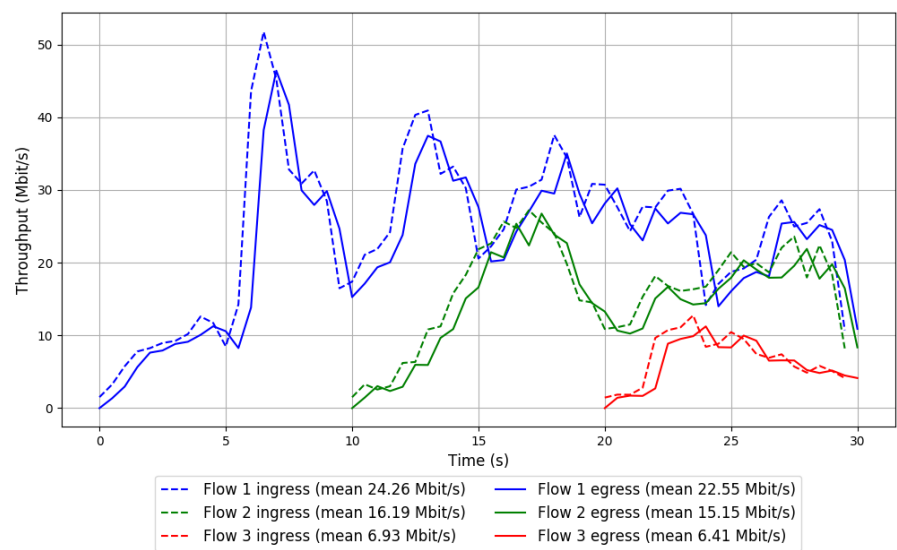


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-03 21:02:04
End at: 2018-07-03 21:02:34
Local clock offset: -2.365 ms
Remote clock offset: -2.541 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 9.387 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 9.383 ms
Loss rate: 7.04%
-- Flow 2:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 9.389 ms
Loss rate: 6.43%
-- Flow 3:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 9.428 ms
Loss rate: 7.54%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-03 21:22:24

End at: 2018-07-03 21:22:54

Local clock offset: 0.256 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-07-03 21:58:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.23 Mbit/s

95th percentile per-packet one-way delay: 19.399 ms

Loss rate: 5.46%

-- Flow 1:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 18.439 ms

Loss rate: 4.70%

-- Flow 2:

Average throughput: 28.68 Mbit/s

95th percentile per-packet one-way delay: 19.481 ms

Loss rate: 6.41%

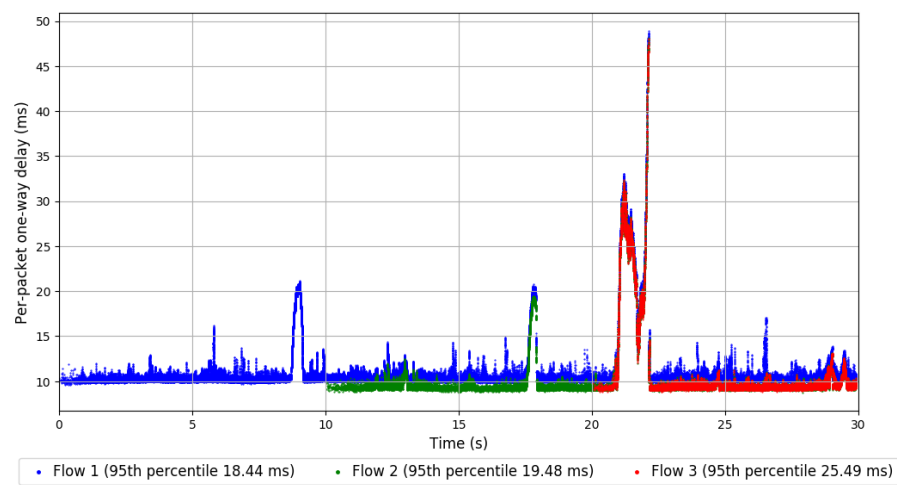
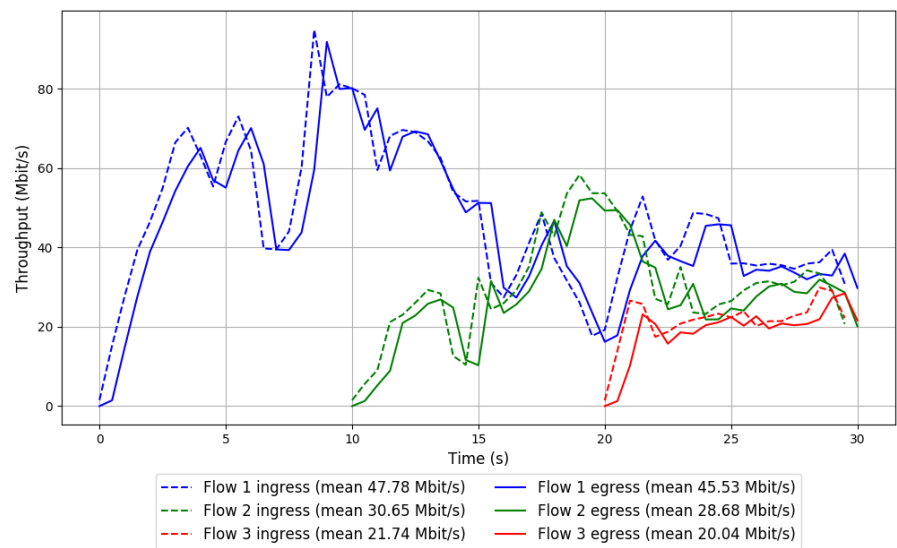
-- Flow 3:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 25.488 ms

Loss rate: 7.82%

Run 10: Report of PCC-Vivace — Data Link

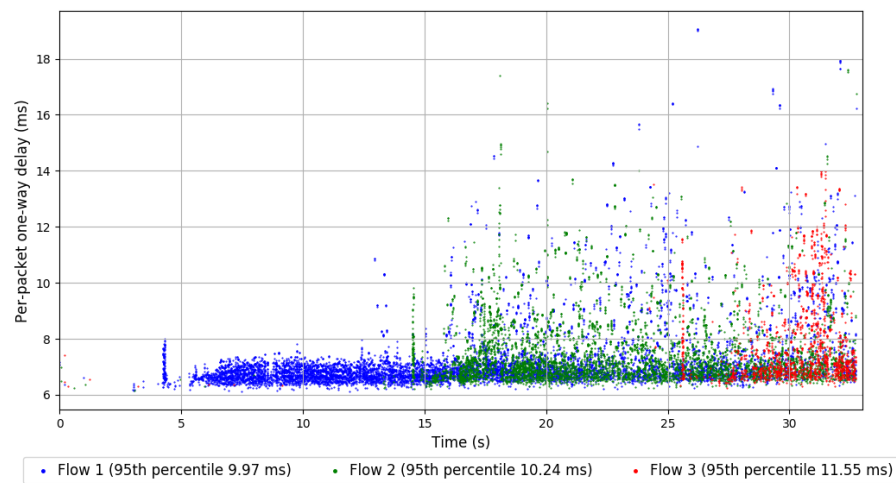
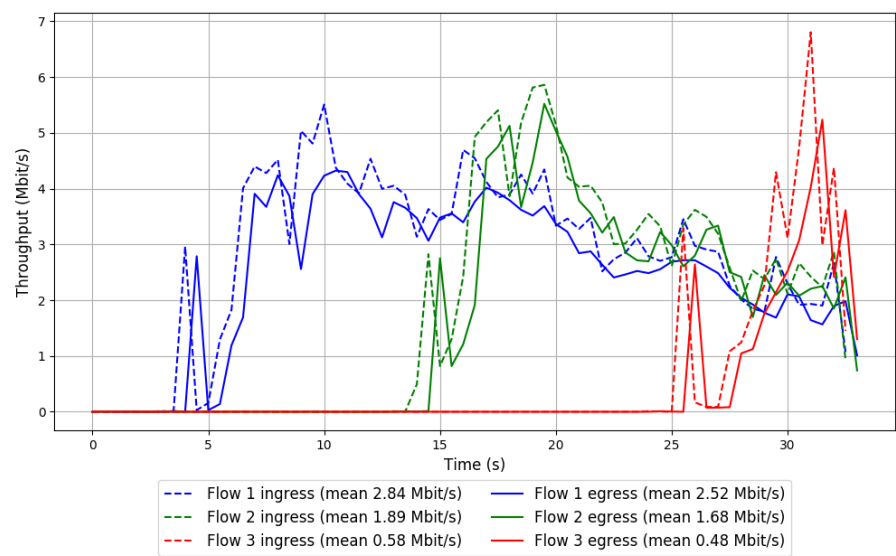


Run 1: Statistics of WebRTC media

Start at: 2018-07-03 18:23:15
End at: 2018-07-03 18:23:45
Local clock offset: 3.881 ms
Remote clock offset: -7.619 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 10.299 ms
Loss rate: 11.80%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 9.968 ms
Loss rate: 11.32%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 10.242 ms
Loss rate: 10.75%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 11.554 ms
Loss rate: 17.62%

Run 1: Report of WebRTC media — Data Link

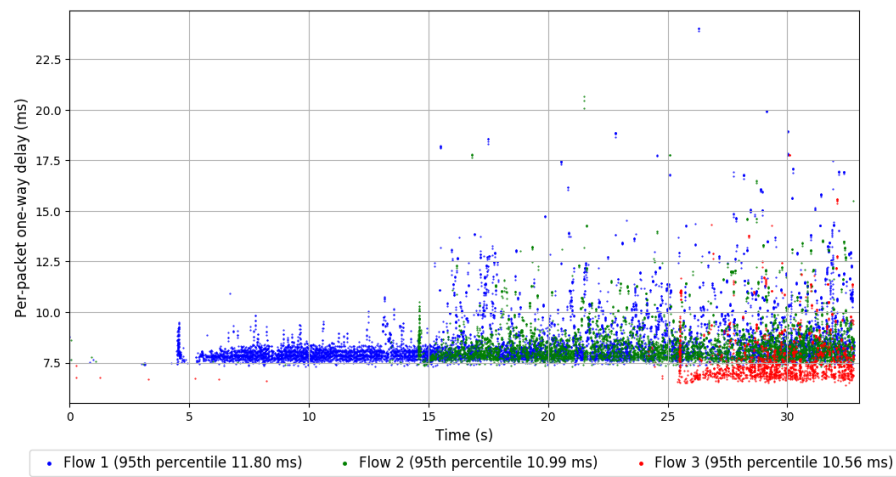
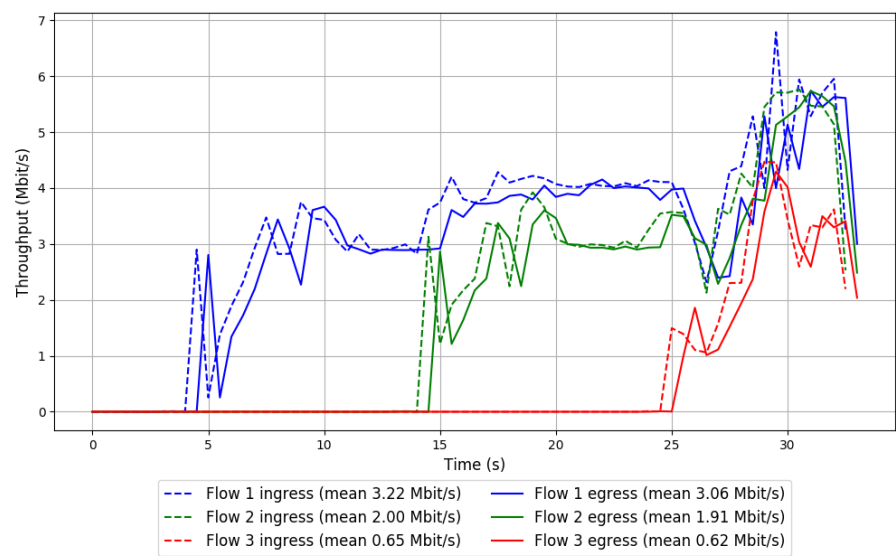


Run 2: Statistics of WebRTC media

Start at: 2018-07-03 18:43:17
End at: 2018-07-03 18:43:47
Local clock offset: -1.9 ms
Remote clock offset: -10.161 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 11.401 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 11.802 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 10.987 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 10.561 ms
Loss rate: 4.39%

Run 2: Report of WebRTC media — Data Link

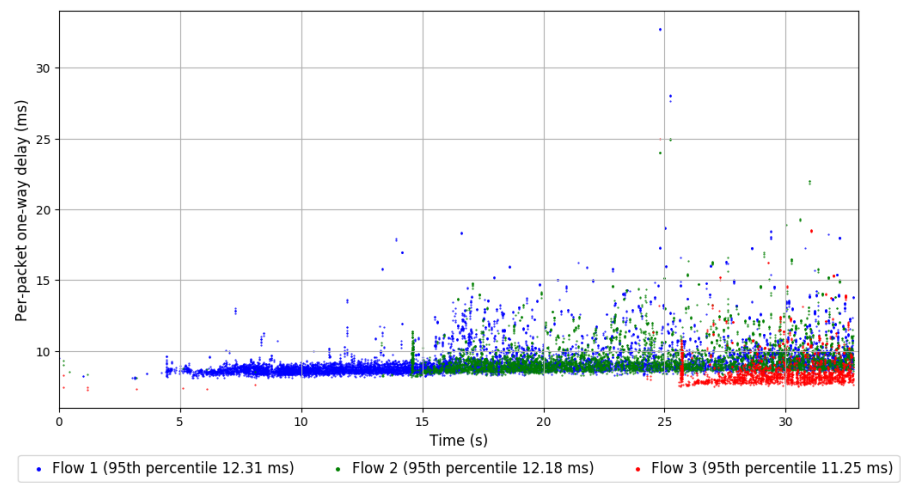
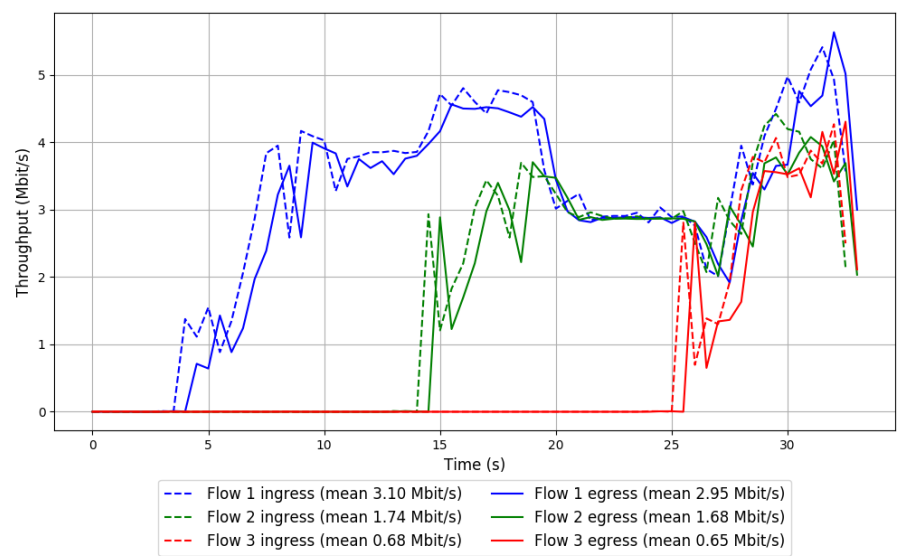


Run 3: Statistics of WebRTC media

Start at: 2018-07-03 19:03:21
End at: 2018-07-03 19:03:51
Local clock offset: -5.179 ms
Remote clock offset: -2.267 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 12.189 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 12.308 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 12.178 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 11.247 ms
Loss rate: 4.44%

Run 3: Report of WebRTC media — Data Link

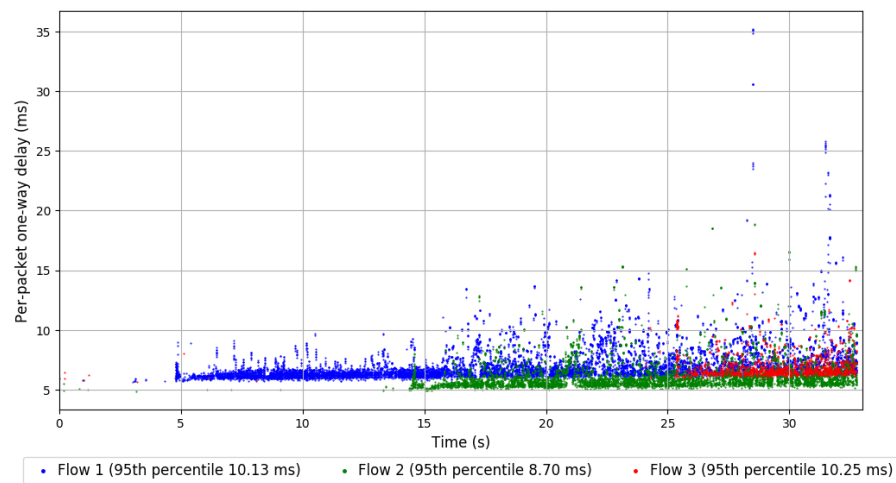
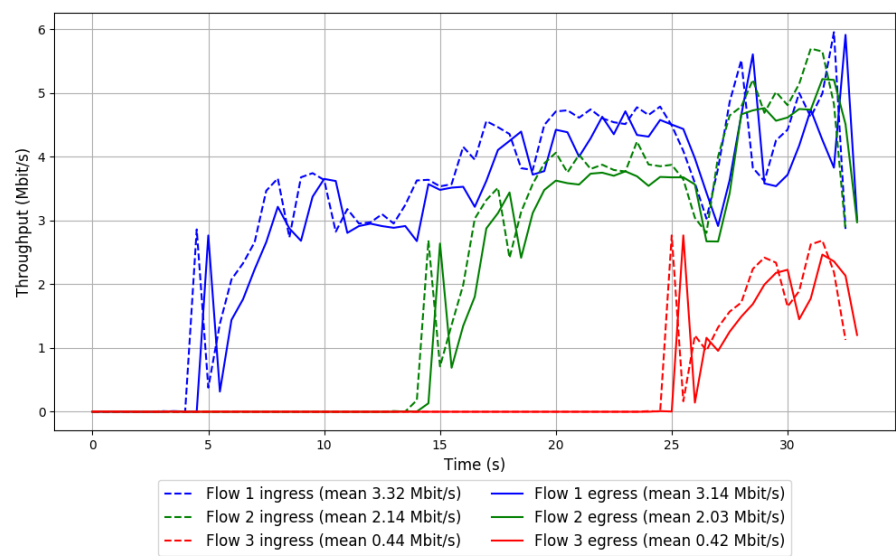


Run 4: Statistics of WebRTC media

Start at: 2018-07-03 19:23:23
End at: 2018-07-03 19:23:53
Local clock offset: 3.101 ms
Remote clock offset: -6.661 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 9.828 ms
Loss rate: 5.36%
-- Flow 1:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 10.134 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 8.703 ms
Loss rate: 5.33%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 10.250 ms
Loss rate: 5.56%

Run 4: Report of WebRTC media — Data Link

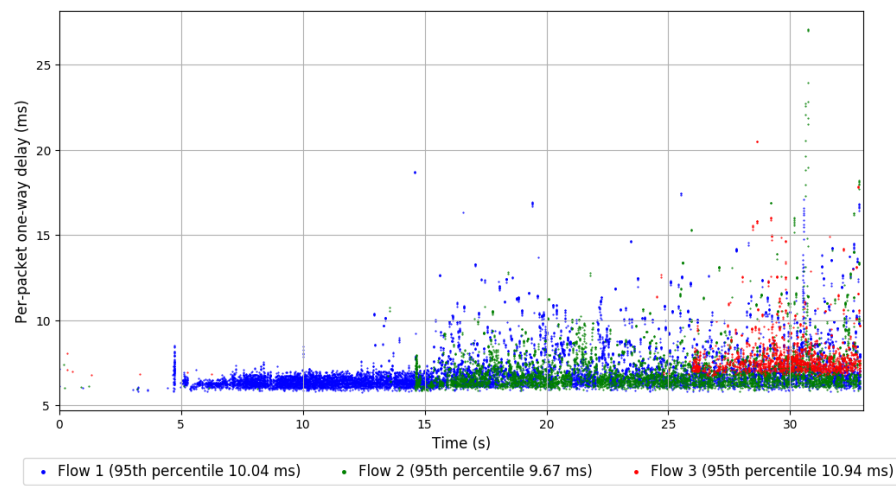
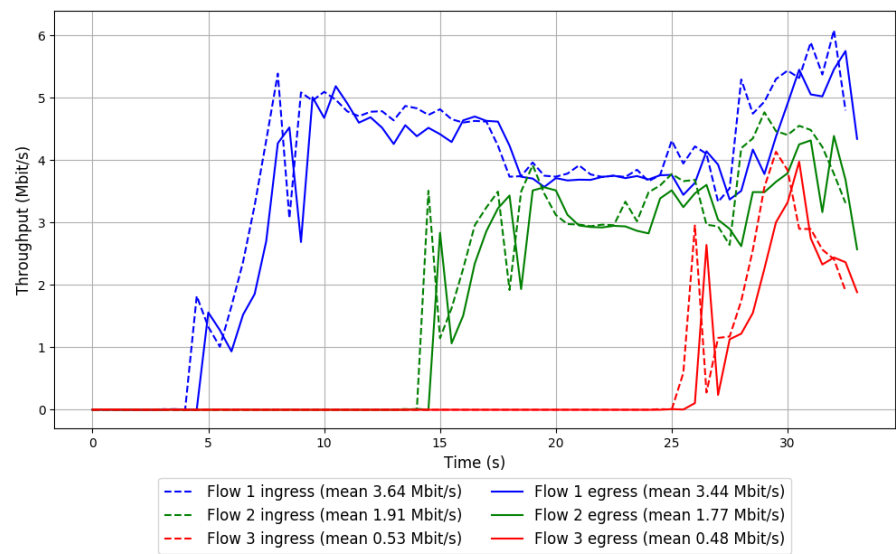


Run 5: Statistics of WebRTC media

Start at: 2018-07-03 19:43:18
End at: 2018-07-03 19:43:48
Local clock offset: -0.29 ms
Remote clock offset: -11.981 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 10.039 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 10.042 ms
Loss rate: 5.47%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 9.674 ms
Loss rate: 6.98%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 10.936 ms
Loss rate: 9.97%

Run 5: Report of WebRTC media — Data Link

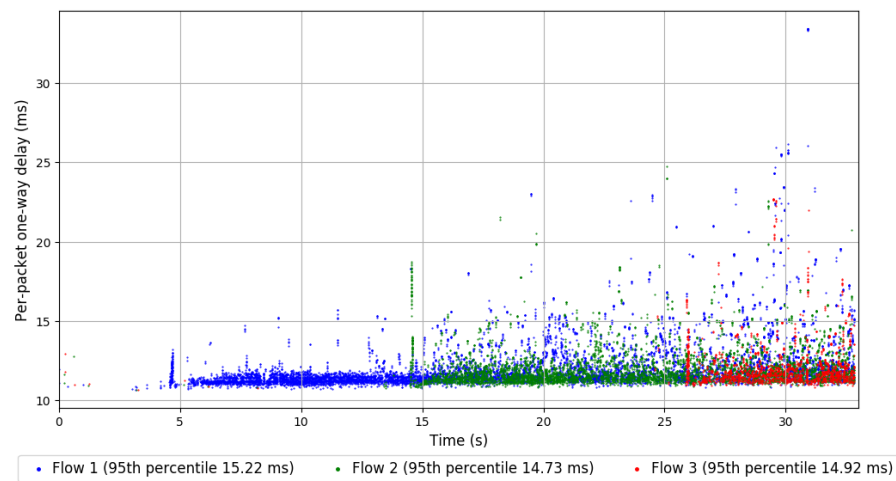
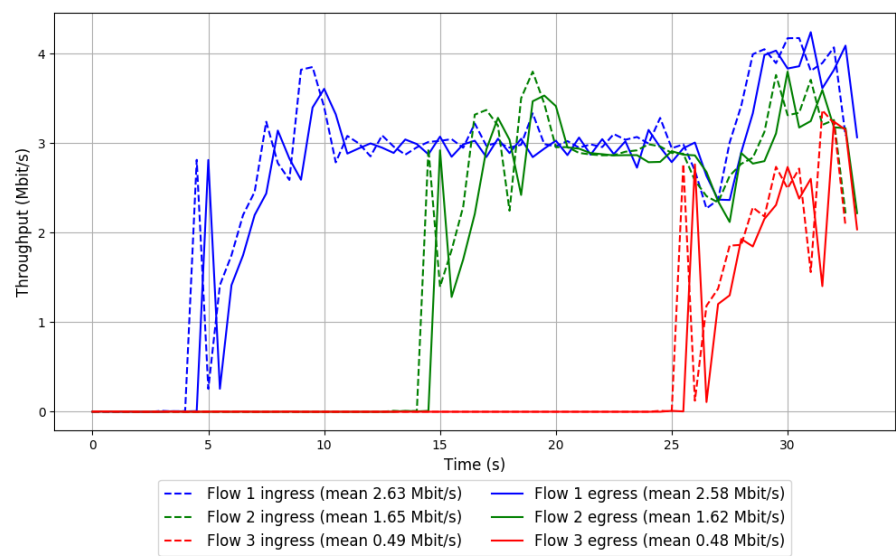


Run 6: Statistics of WebRTC media

Start at: 2018-07-03 20:03:17
End at: 2018-07-03 20:03:47
Local clock offset: -6.88 ms
Remote clock offset: -3.743 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 15.079 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 15.223 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 14.734 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 14.923 ms
Loss rate: 2.02%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-03 20:23:00

End at: 2018-07-03 20:23:30

Local clock offset: 1.944 ms

Remote clock offset: 1.421 ms

Below is generated by plot.py at 2018-07-03 21:58:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.13 Mbit/s

95th percentile per-packet one-way delay: 12.694 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 13.114 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 11.978 ms

Loss rate: 2.86%

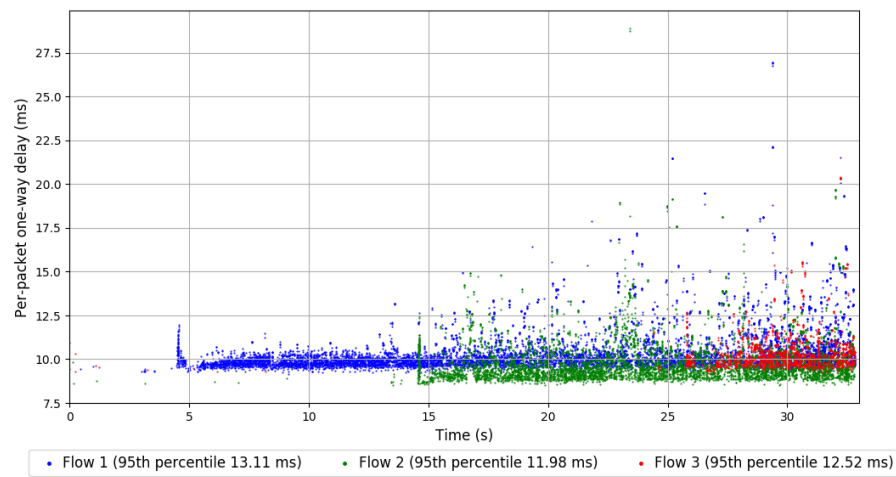
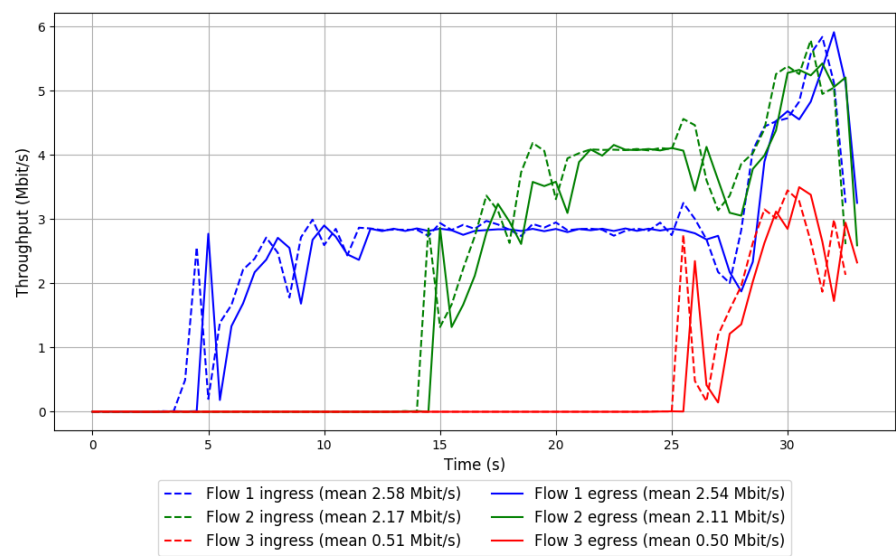
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 12.517 ms

Loss rate: 2.06%

Run 7: Report of WebRTC media — Data Link

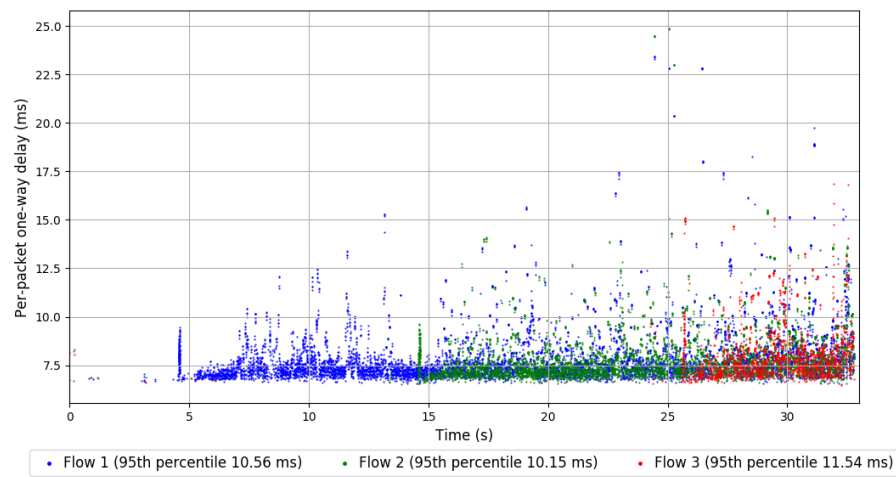
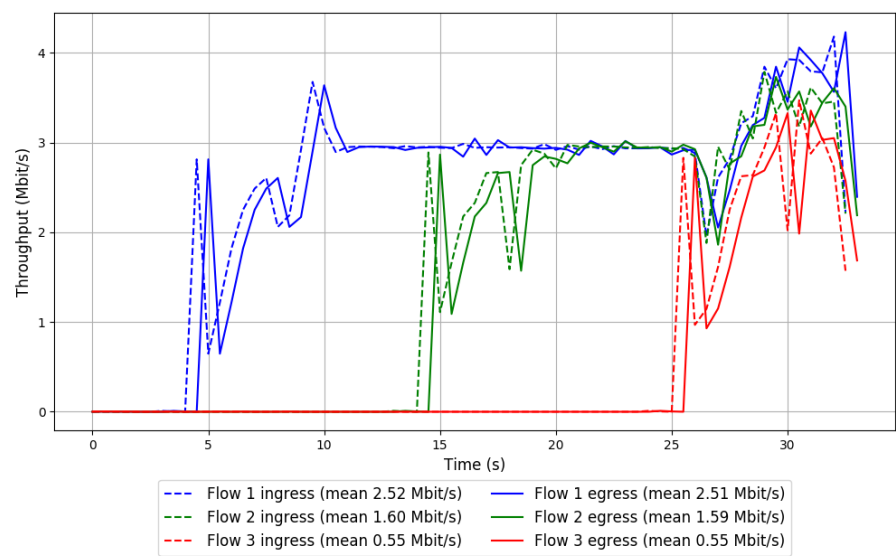


Run 8: Statistics of WebRTC media

Start at: 2018-07-03 20:42:49
End at: 2018-07-03 20:43:19
Local clock offset: 1.347 ms
Remote clock offset: -2.205 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 10.564 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 10.149 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 11.538 ms
Loss rate: 0.30%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-03 21:03:13

End at: 2018-07-03 21:03:43

Local clock offset: 0.304 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2018-07-03 21:58:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 11.779 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 11.382 ms

Loss rate: 2.17%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 11.942 ms

Loss rate: 1.18%

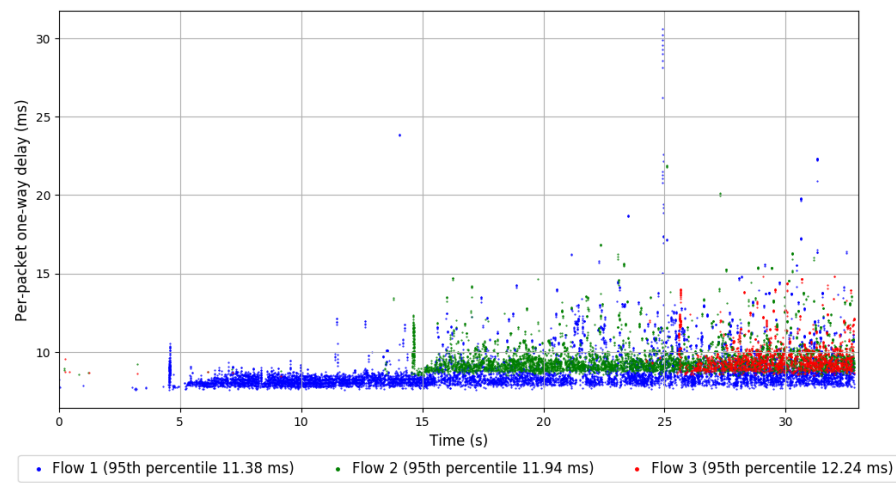
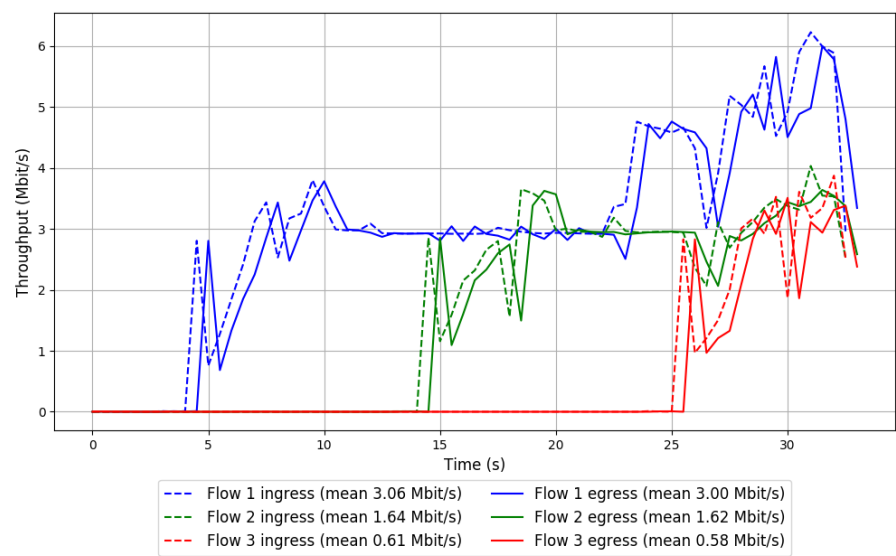
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 12.237 ms

Loss rate: 3.95%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-03 21:23:37
End at: 2018-07-03 21:24:07
Local clock offset: 2.571 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-03 21:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 9.091 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 8.985 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 9.140 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 9.289 ms
Loss rate: 1.14%

Run 10: Report of WebRTC media — Data Link

