

Pantheon Report

Generated at 2018-03-06 20:32:05 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia 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).

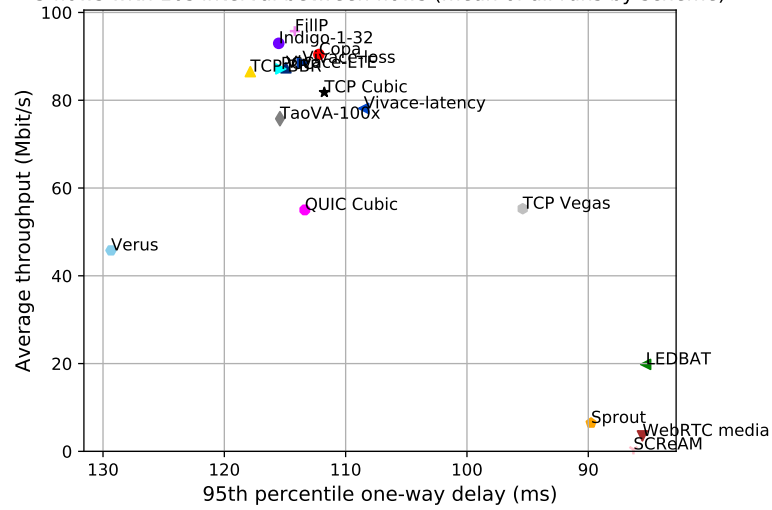
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

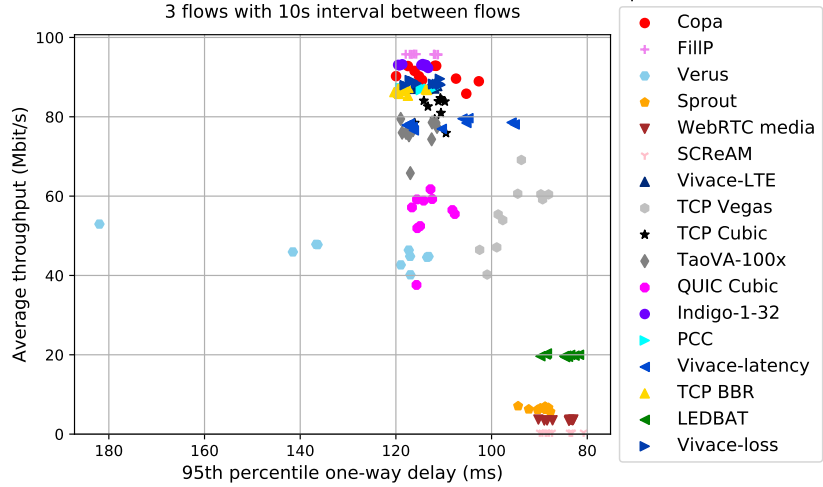
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



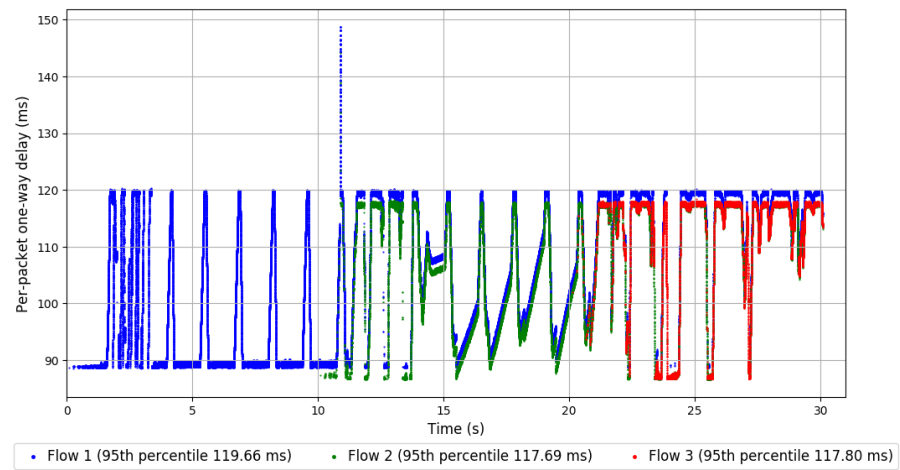
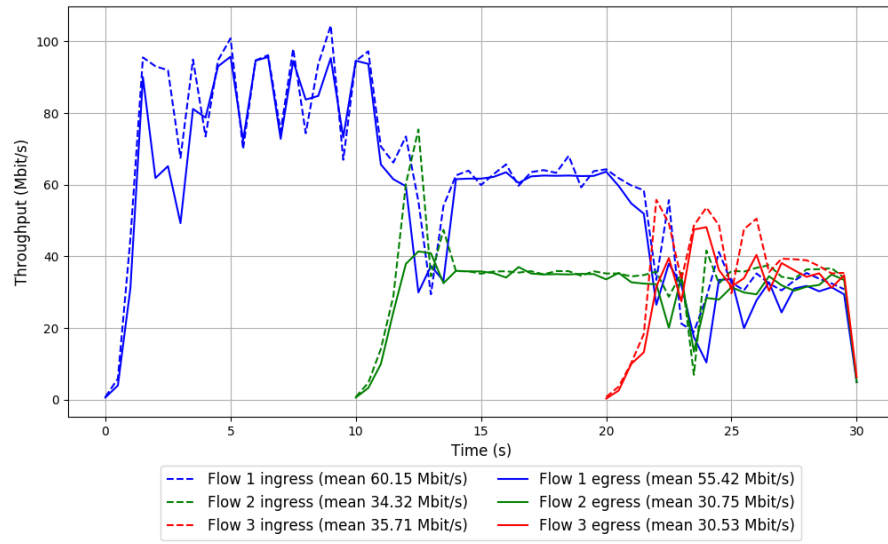
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.34	36.55	23.86	117.86	117.20	116.78	6.90	9.64	10.82
TCP Cubic	10	50.57	35.66	22.55	109.78	112.92	113.61	0.33	0.89	0.95
LEDBAT	10	12.83	8.49	4.10	84.64	85.14	85.40	0.00	0.02	0.07
PCC	10	78.46	9.57	7.03	115.12	115.48	115.88	2.85	5.36	5.61
QUIC Cubic	10	36.44	21.19	13.89	113.57	110.45	108.39	0.98	1.45	3.19
SCReAM	10	0.22	0.22	0.22	85.15	85.42	85.63	0.03	0.04	0.03
WebRTC media	10	2.01	1.19	0.34	84.90	85.26	85.69	0.00	0.00	0.03
Sprout	10	3.39	3.35	2.60	89.75	89.69	89.08	0.07	0.08	0.00
TaoVA-100x	10	46.45	32.07	24.33	115.07	115.78	116.08	4.31	8.65	10.44
TCP Vegas	10	24.30	31.16	30.85	95.03	95.82	96.15	0.66	0.62	1.48
Verus	10	29.11	18.81	13.53	126.66	121.58	125.72	34.13	32.00	34.85
Copa	10	78.72	15.62	3.91	111.47	112.10	107.94	53.37	54.41	18.32
FillP	10	54.06	41.99	41.74	113.51	113.54	127.95	24.49	35.34	46.66
Indigo-1-32	10	63.35	24.24	42.38	114.28	115.20	115.13	17.40	35.21	57.70
Vivace-latency	10	68.60	11.09	6.61	108.96	106.31	105.21	0.15	0.27	0.48
Vivace-loss	10	81.94	7.81	4.27	113.54	114.19	114.50	2.93	3.82	4.27
Vivace-LTE	10	74.55	15.01	8.68	114.89	114.80	114.16	3.00	2.21	2.93

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 15:55:21
End at: 2018-03-06 15:55:51
Local clock offset: -6.463 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-03-06 20:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 119.568 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 119.655 ms
Loss rate: 7.79%
-- Flow 2:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 117.689 ms
Loss rate: 10.28%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 117.802 ms
Loss rate: 14.42%

Run 1: Report of TCP BBR — Data Link

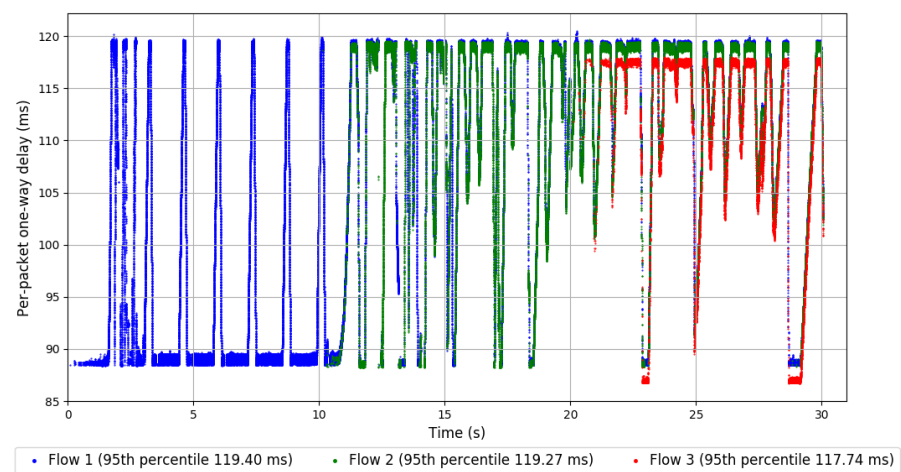
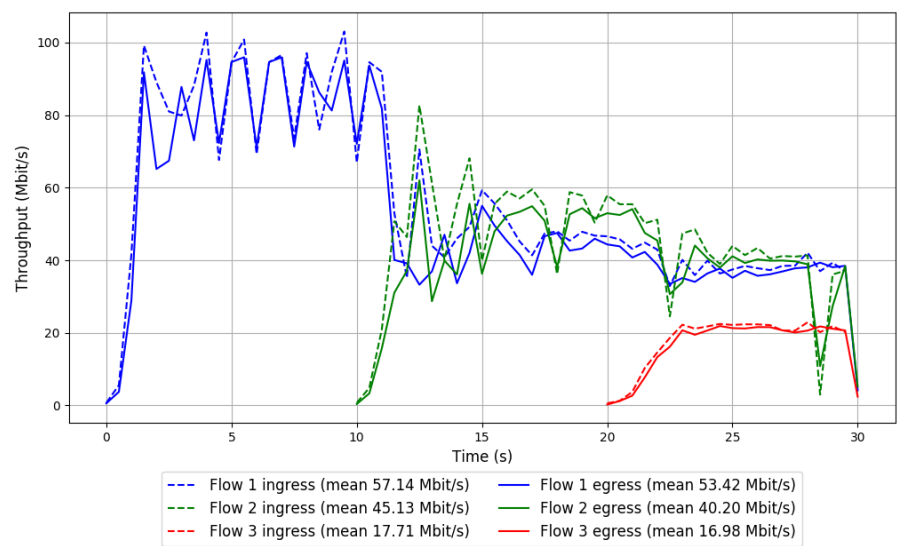


Run 2: Statistics of TCP BBR

Start at: 2018-03-06 16:19:06
End at: 2018-03-06 16:19:36
Local clock offset: -6.562 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-03-06 20:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 119.338 ms
Loss rate: 7.79%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 119.399 ms
Loss rate: 6.47%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 119.273 ms
Loss rate: 11.01%
-- Flow 3:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 117.740 ms
Loss rate: 4.26%

Run 2: Report of TCP BBR — Data Link

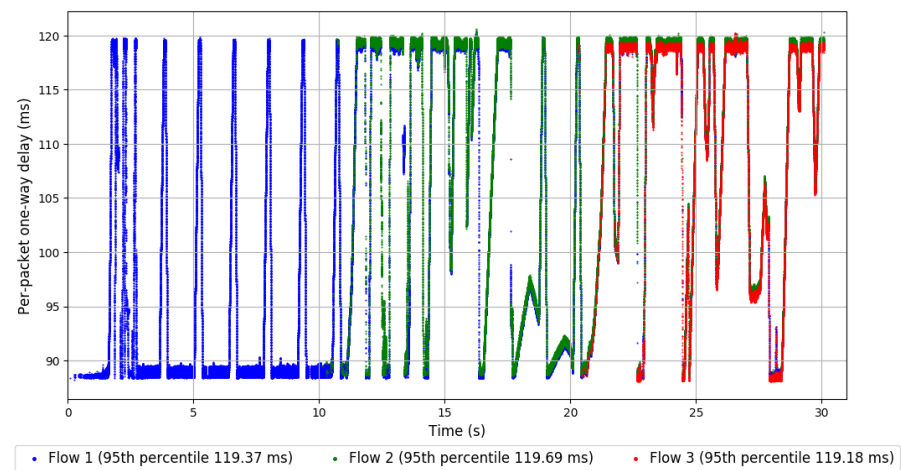
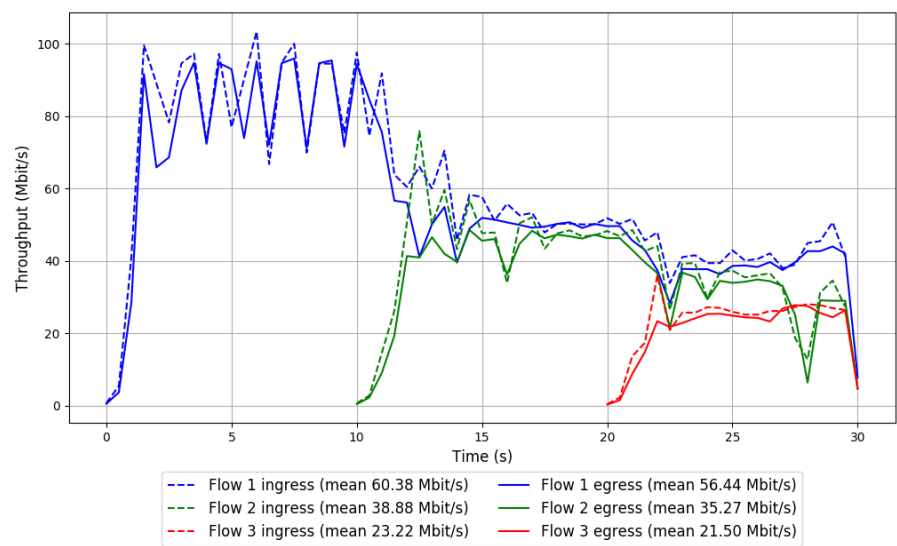


Run 3: Statistics of TCP BBR

Start at: 2018-03-06 16:42:49
End at: 2018-03-06 16:43:19
Local clock offset: -6.432 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2018-03-06 20:05:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 119.516 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 119.368 ms
Loss rate: 6.43%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 119.687 ms
Loss rate: 9.15%
-- Flow 3:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 119.178 ms
Loss rate: 7.15%

Run 3: Report of TCP BBR — Data Link

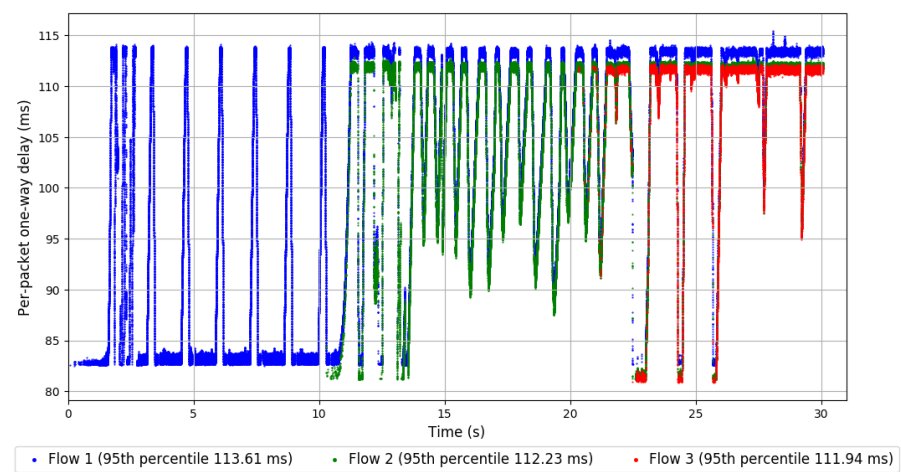
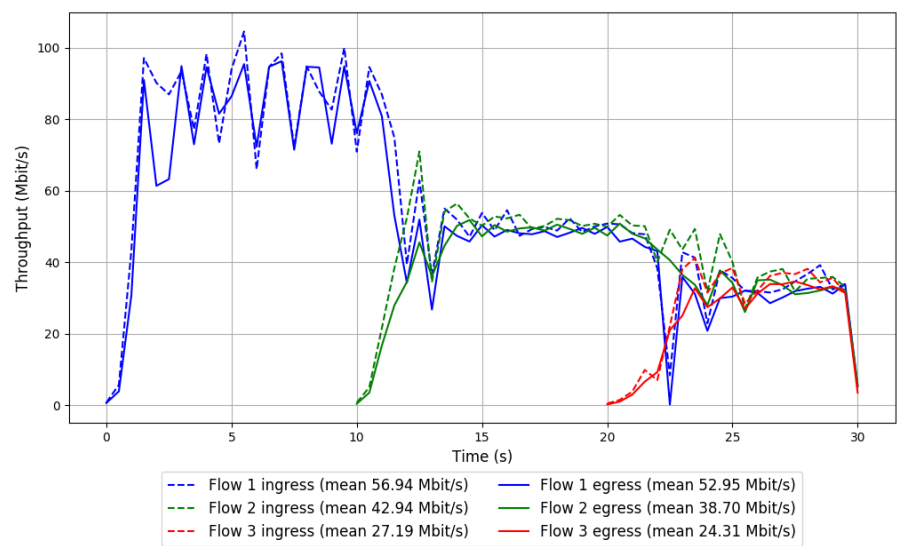


Run 4: Statistics of TCP BBR

Start at: 2018-03-06 17:06:25
End at: 2018-03-06 17:06:55
Local clock offset: -6.236 ms
Remote clock offset: -5.985 ms

Below is generated by plot.py at 2018-03-06 20:05:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 113.535 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 113.615 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 112.230 ms
Loss rate: 9.85%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 111.942 ms
Loss rate: 10.51%

Run 4: Report of TCP BBR — Data Link

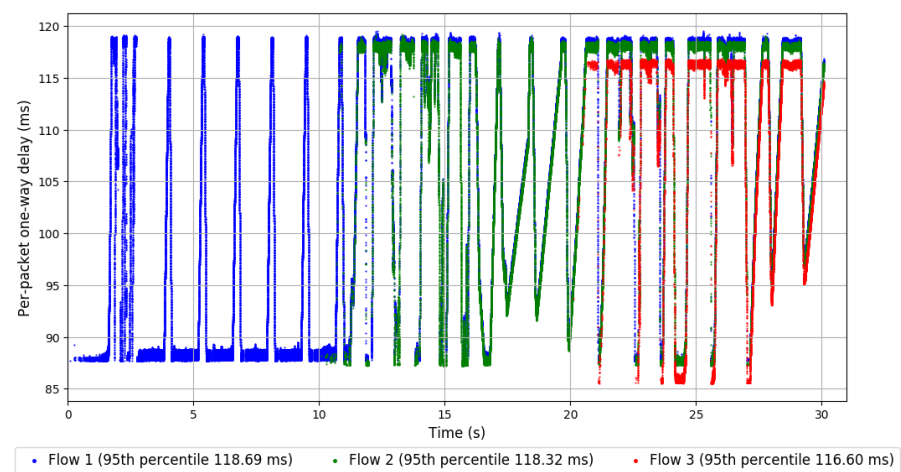
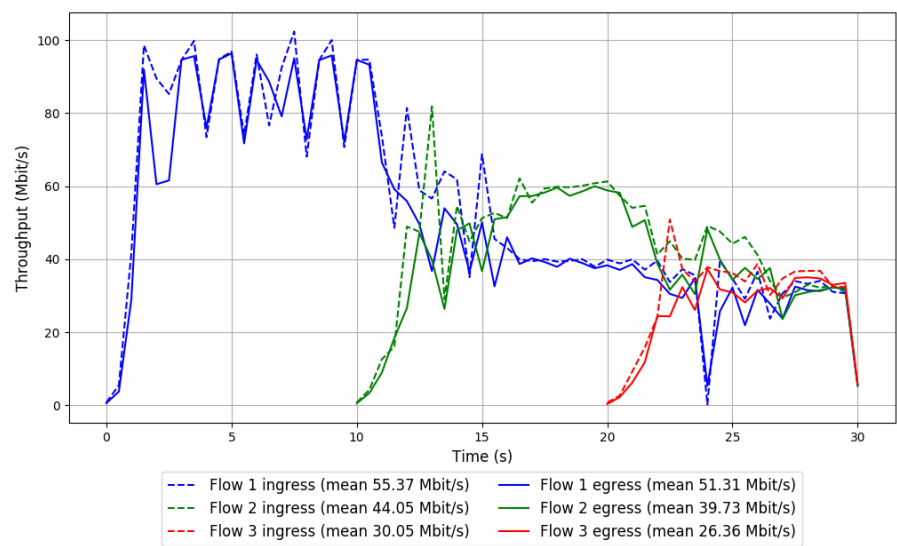


Run 5: Statistics of TCP BBR

Start at: 2018-03-06 17:29:52
End at: 2018-03-06 17:30:22
Local clock offset: -5.899 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2018-03-06 20:05:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 118.589 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 118.689 ms
Loss rate: 7.26%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 118.317 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 116.599 ms
Loss rate: 12.13%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-06 17:53:29

End at: 2018-03-06 17:53:59

Local clock offset: -6.594 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2018-03-06 20:05:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 120.322 ms

Loss rate: 8.43%

-- Flow 1:

Average throughput: 53.24 Mbit/s

95th percentile per-packet one-way delay: 120.152 ms

Loss rate: 6.93%

-- Flow 2:

Average throughput: 38.05 Mbit/s

95th percentile per-packet one-way delay: 120.469 ms

Loss rate: 9.39%

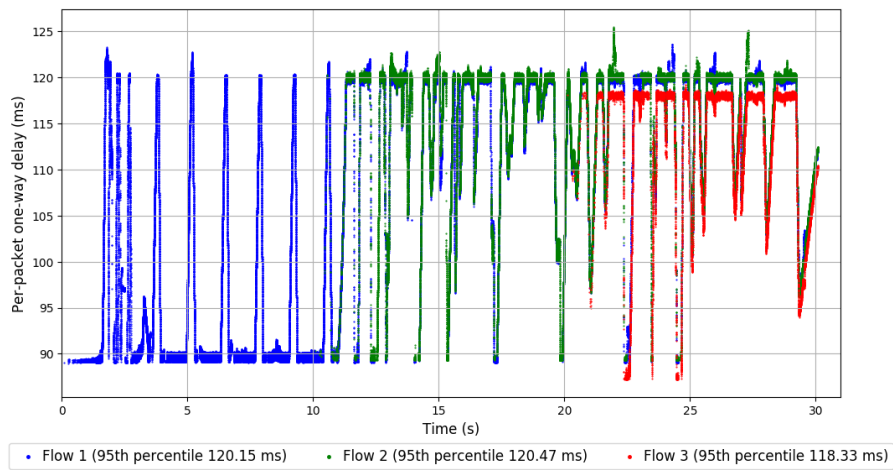
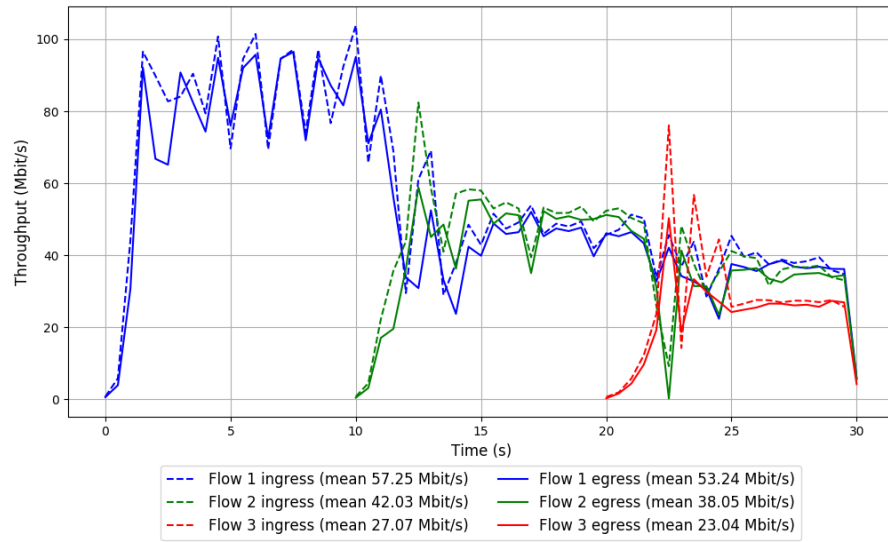
-- Flow 3:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 118.335 ms

Loss rate: 14.92%

Run 6: Report of TCP BBR — Data Link

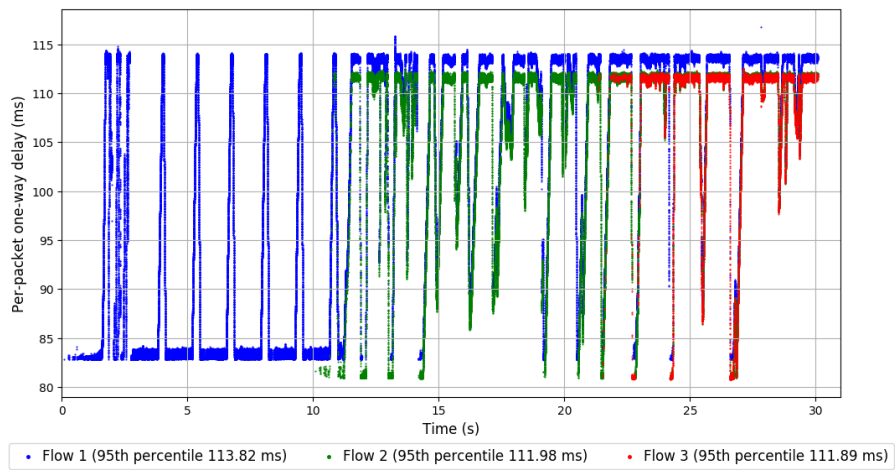
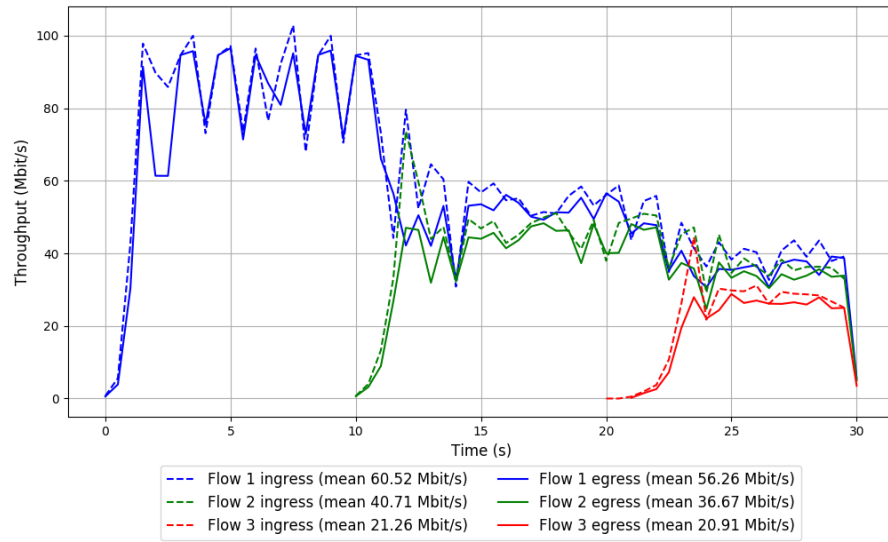


Run 7: Statistics of TCP BBR

Start at: 2018-03-06 18:17:18
End at: 2018-03-06 18:17:48
Local clock offset: -6.799 ms
Remote clock offset: -5.704 ms

Below is generated by plot.py at 2018-03-06 20:05:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 113.755 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 113.821 ms
Loss rate: 6.95%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 9.83%
-- Flow 3:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 111.888 ms
Loss rate: 11.82%

Run 7: Report of TCP BBR — Data Link

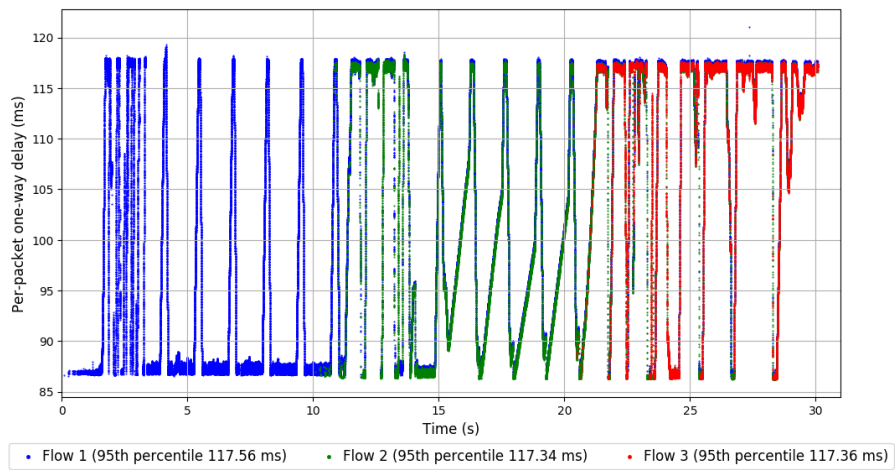
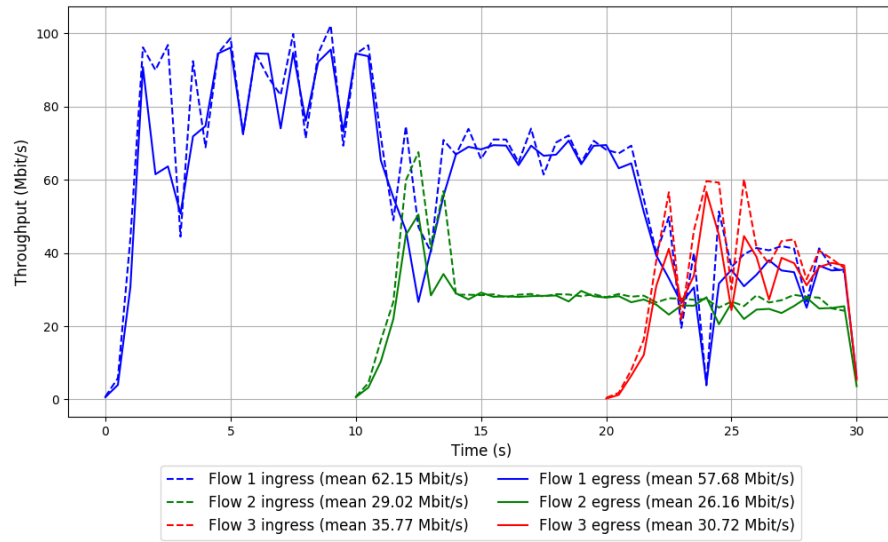


Run 8: Statistics of TCP BBR

Start at: 2018-03-06 18:41:08
End at: 2018-03-06 18:41:38
Local clock offset: -6.927 ms
Remote clock offset: 14.941 ms

Below is generated by plot.py at 2018-03-06 20:05:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 117.489 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 117.556 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 117.336 ms
Loss rate: 9.73%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 117.356 ms
Loss rate: 13.99%

Run 8: Report of TCP BBR — Data Link

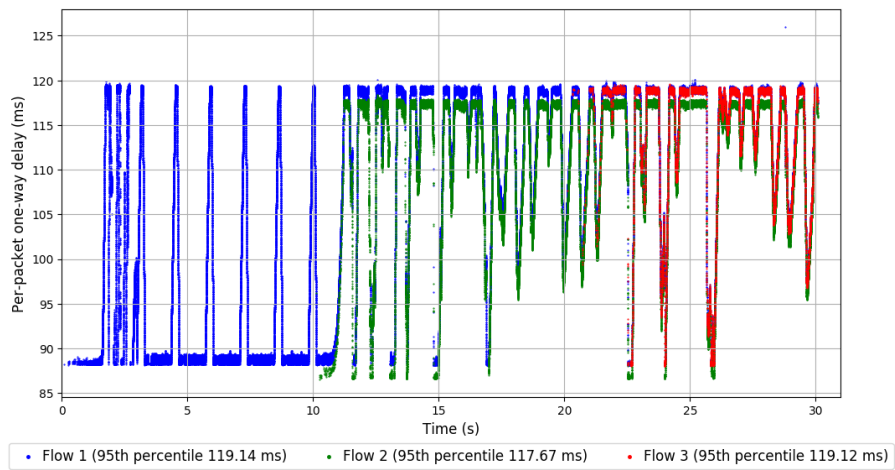
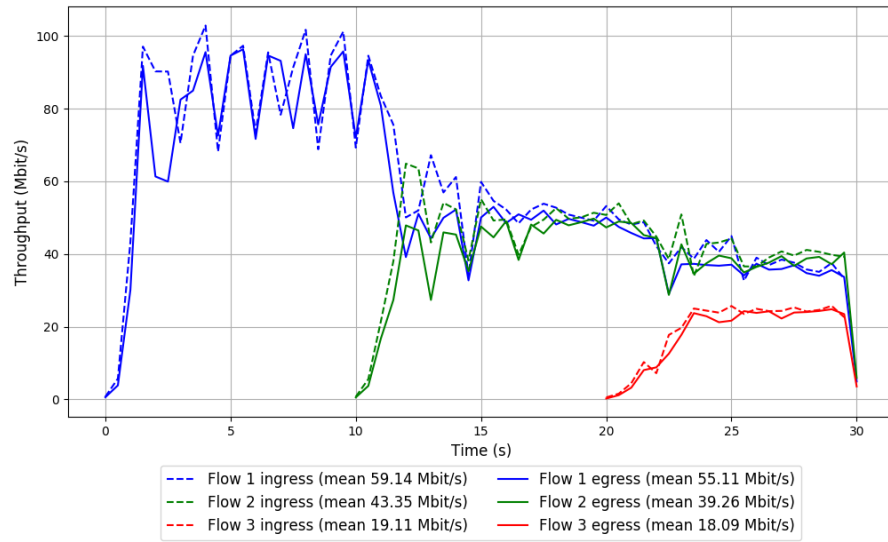


Run 9: Statistics of TCP BBR

Start at: 2018-03-06 19:05:01
End at: 2018-03-06 19:05:31
Local clock offset: -6.075 ms
Remote clock offset: 20.648 ms

Below is generated by plot.py at 2018-03-06 20:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 119.080 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 119.137 ms
Loss rate: 6.73%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 117.673 ms
Loss rate: 9.33%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 119.116 ms
Loss rate: 5.27%

Run 9: Report of TCP BBR — Data Link

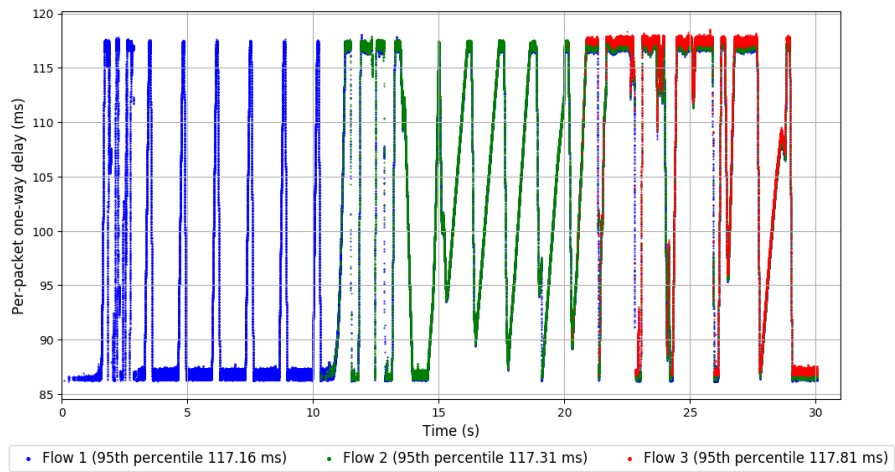
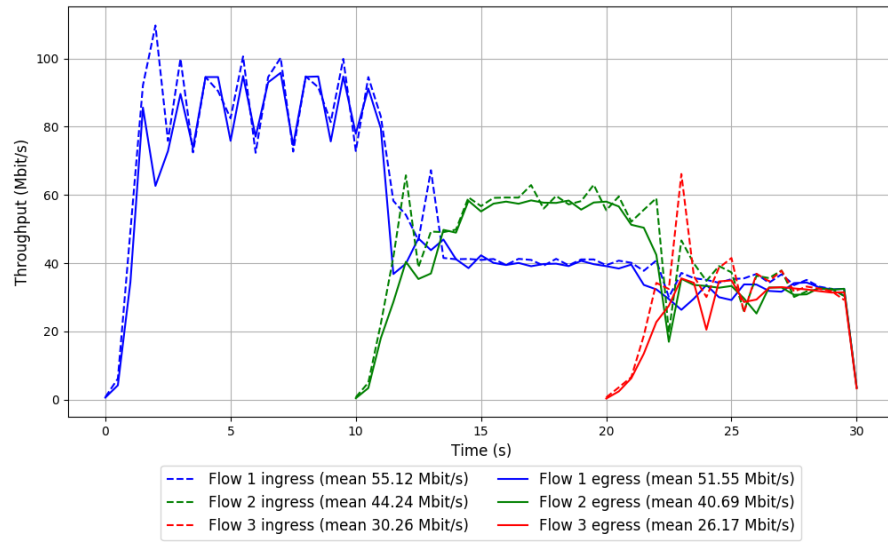


Run 10: Statistics of TCP BBR

Start at: 2018-03-06 19:28:54
End at: 2018-03-06 19:29:24
Local clock offset: -6.298 ms
Remote clock offset: 25.873 ms

Below is generated by plot.py at 2018-03-06 20:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 117.387 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 117.160 ms
Loss rate: 6.47%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 117.314 ms
Loss rate: 8.16%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 117.810 ms
Loss rate: 13.76%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 15:46:09

End at: 2018-03-06 15:46:39

Local clock offset: -6.422 ms

Remote clock offset: -6.24 ms

Below is generated by plot.py at 2018-03-06 20:06:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.85 Mbit/s

95th percentile per-packet one-way delay: 109.768 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 53.29 Mbit/s

95th percentile per-packet one-way delay: 108.565 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 110.022 ms

Loss rate: 0.75%

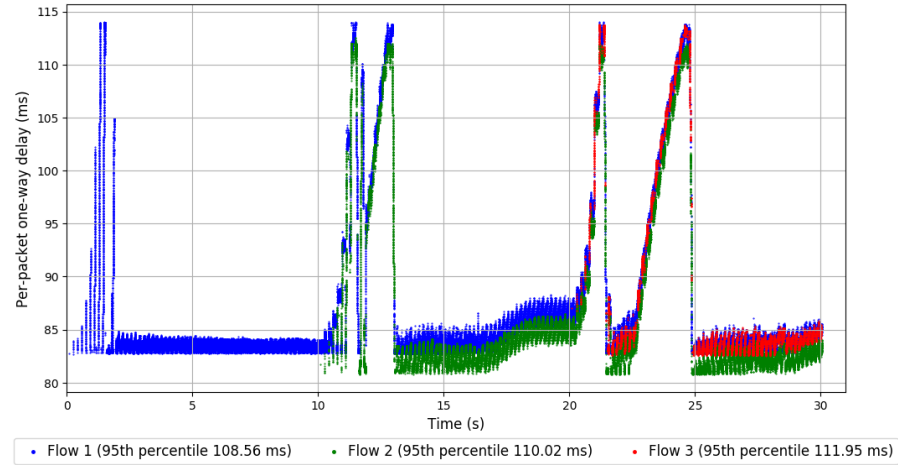
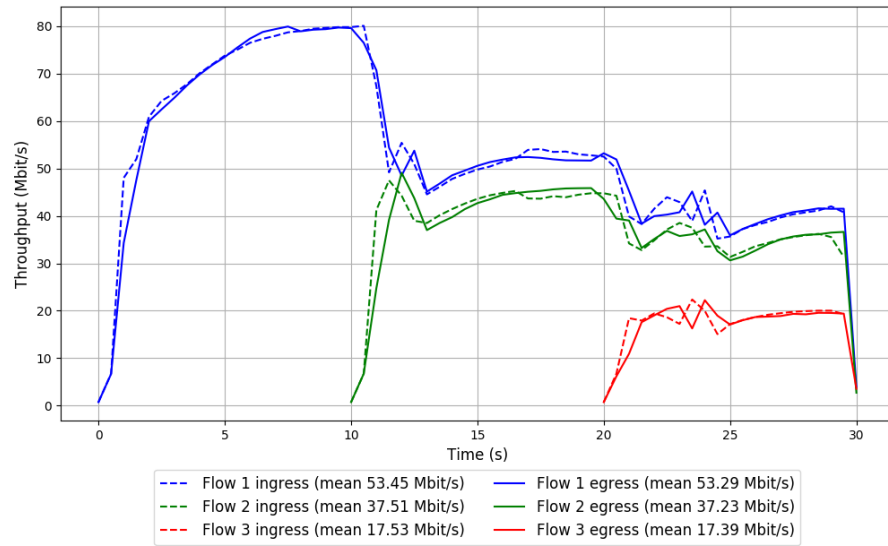
-- Flow 3:

Average throughput: 17.39 Mbit/s

95th percentile per-packet one-way delay: 111.955 ms

Loss rate: 0.79%

Run 1: Report of TCP Cubic — Data Link

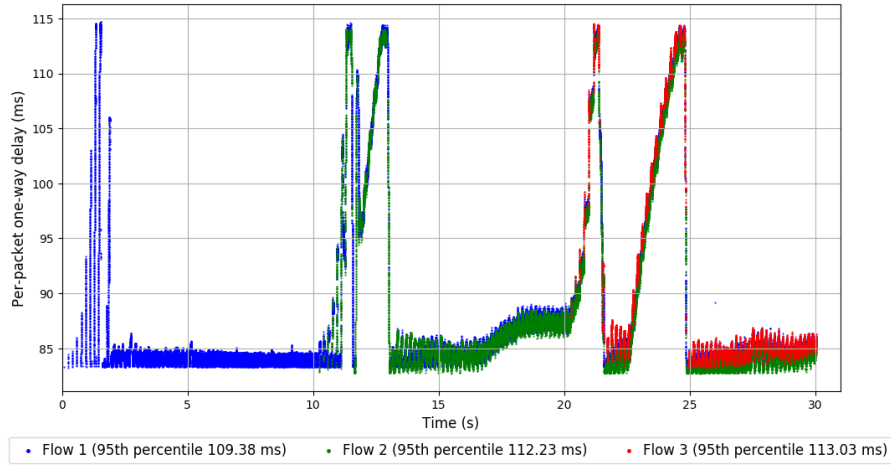
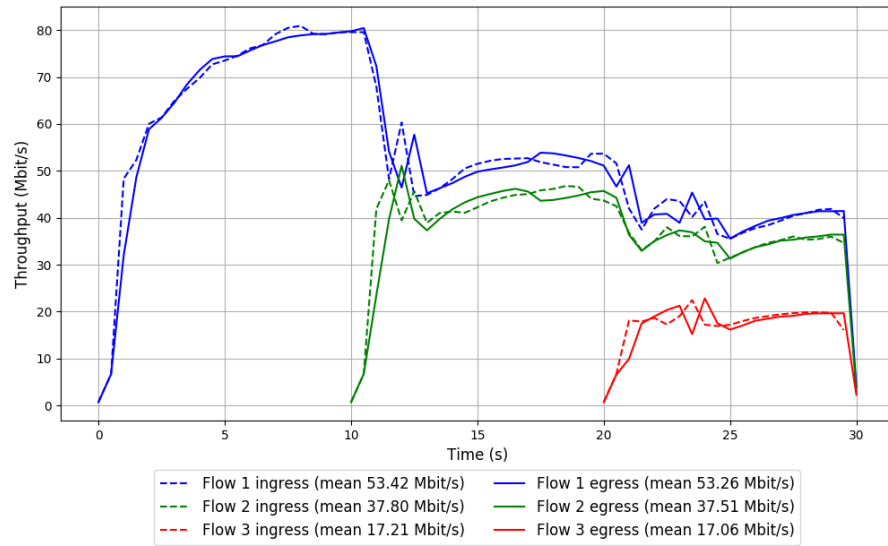


Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 16:09:43
End at: 2018-03-06 16:10:13
Local clock offset: -6.531 ms
Remote clock offset: -5.826 ms

Below is generated by plot.py at 2018-03-06 20:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 111.108 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 109.377 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 112.233 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 113.031 ms
Loss rate: 0.93%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 16:33:25

End at: 2018-03-06 16:33:55

Local clock offset: -6.535 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-03-06 20:06:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 110.437 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: 108.412 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 36.91 Mbit/s

95th percentile per-packet one-way delay: 112.718 ms

Loss rate: 0.80%

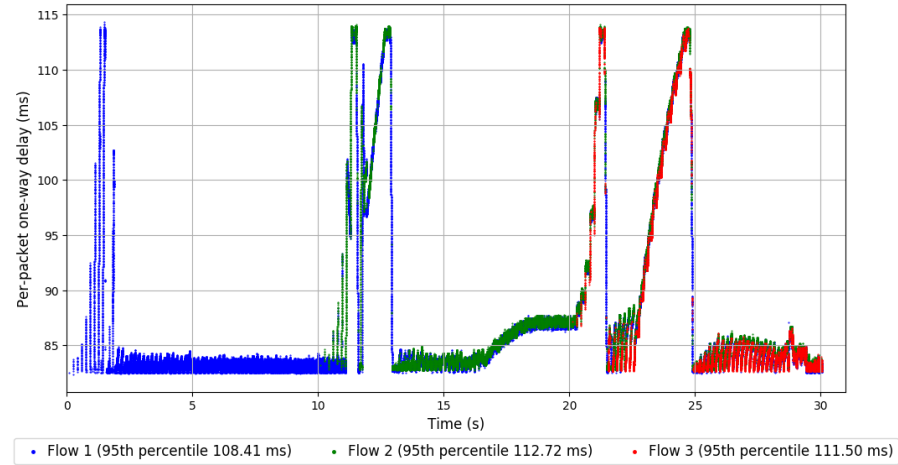
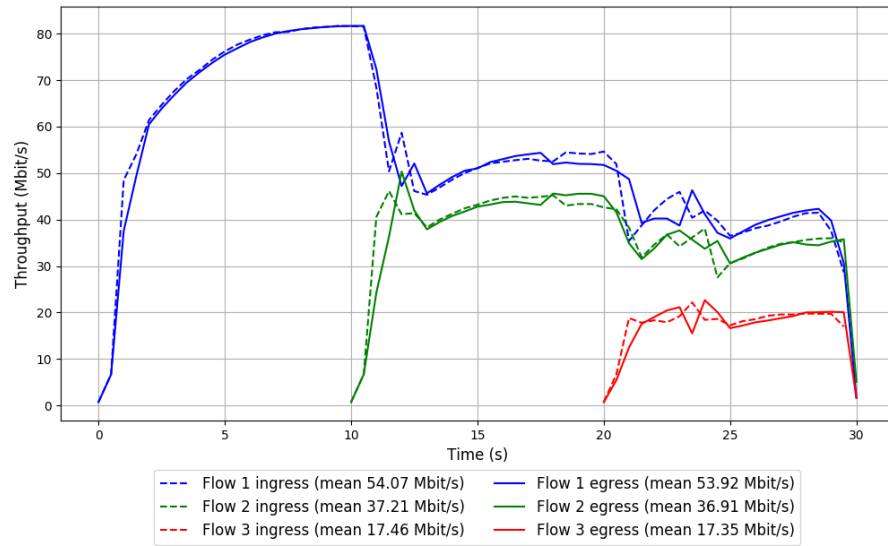
-- Flow 3:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 111.502 ms

Loss rate: 0.67%

Run 3: Report of TCP Cubic — Data Link

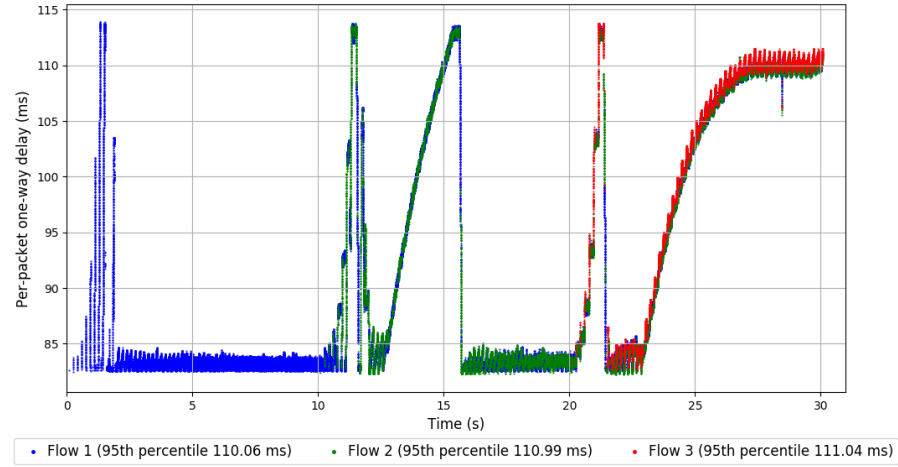
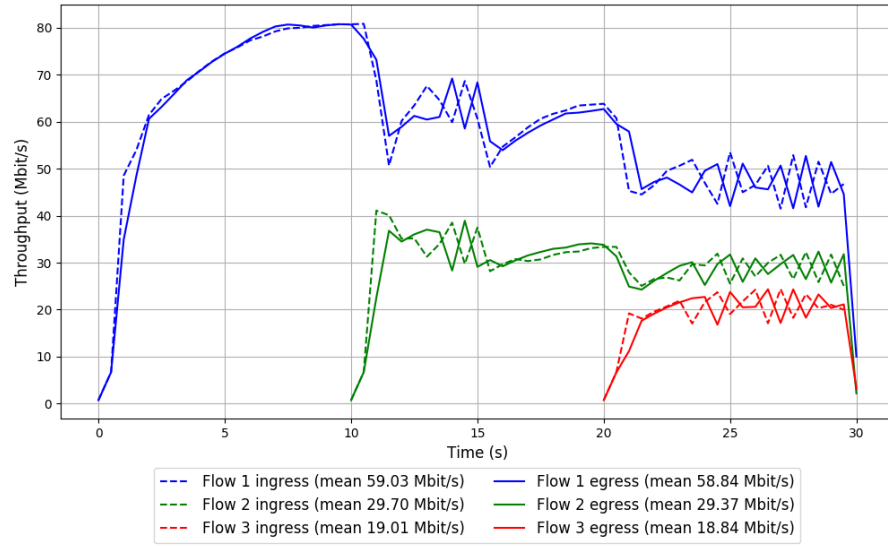


Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 16:57:14
End at: 2018-03-06 16:57:44
Local clock offset: -6.405 ms
Remote clock offset: -5.857 ms

Below is generated by plot.py at 2018-03-06 20:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 110.692 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 110.058 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 110.987 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 111.038 ms
Loss rate: 0.65%

Run 4: Report of TCP Cubic — Data Link

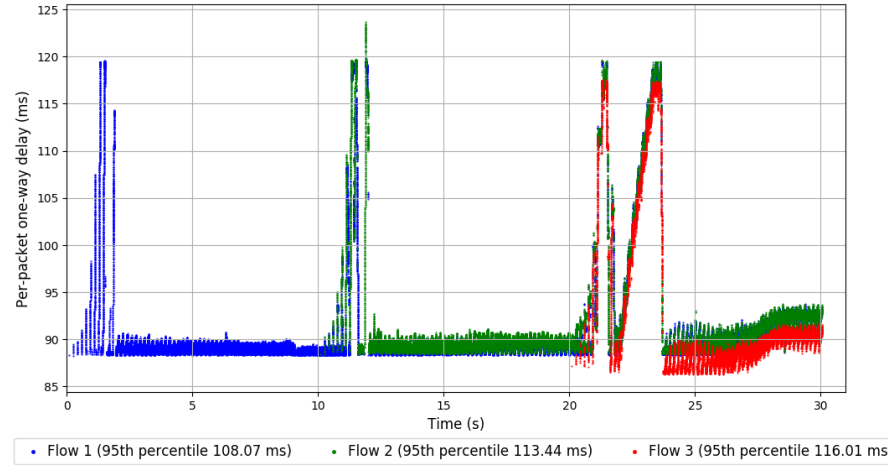
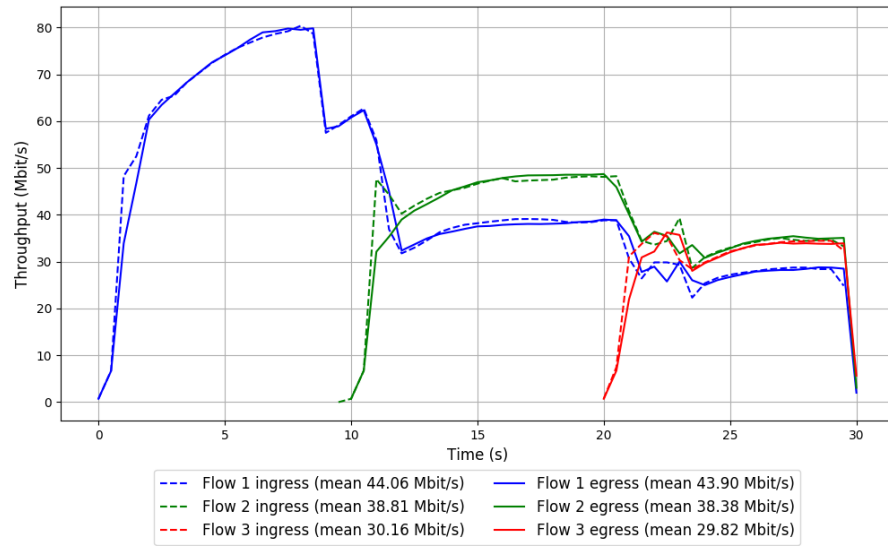


Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 17:20:42
End at: 2018-03-06 17:21:12
Local clock offset: -6.023 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-03-06 20:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 108.067 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 113.441 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 116.011 ms
Loss rate: 1.07%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 17:44:16

End at: 2018-03-06 17:44:46

Local clock offset: -6.419 ms

Remote clock offset: -5.98 ms

Below is generated by plot.py at 2018-03-06 20:06:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 110.587 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 108.574 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 26.74 Mbit/s

95th percentile per-packet one-way delay: 112.582 ms

Loss rate: 1.07%

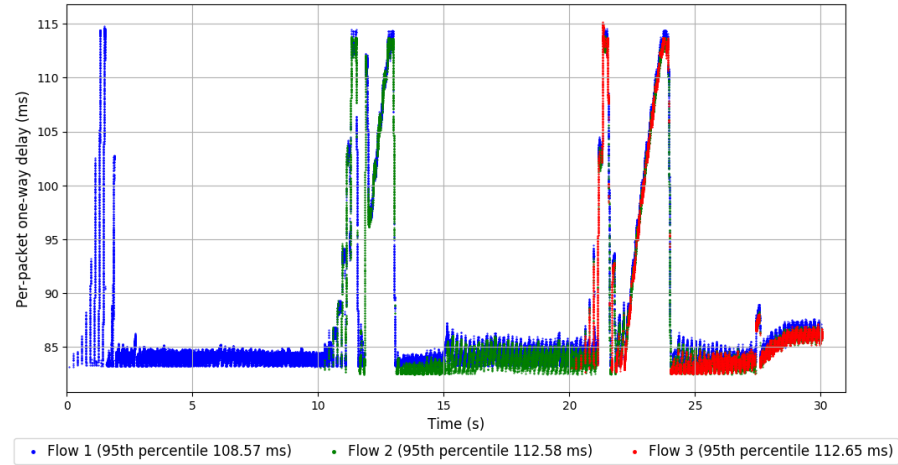
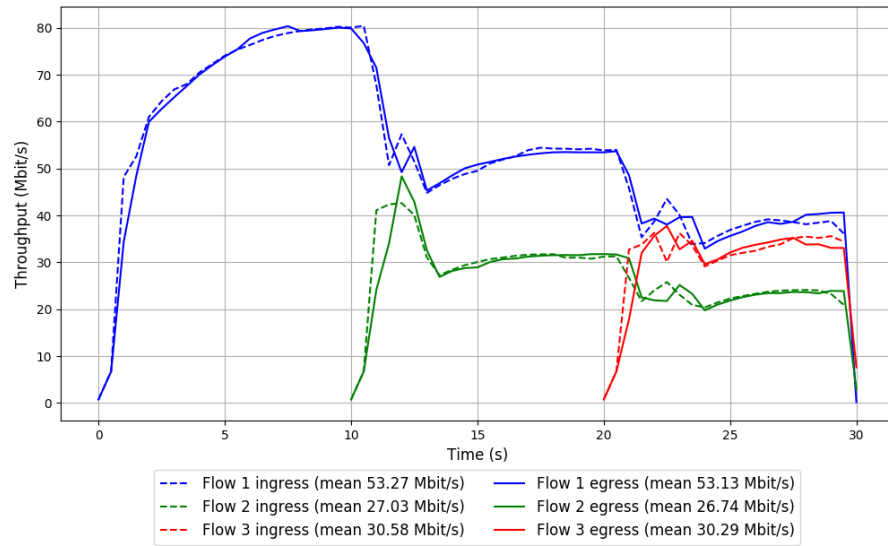
-- Flow 3:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 112.653 ms

Loss rate: 0.95%

Run 6: Report of TCP Cubic — Data Link

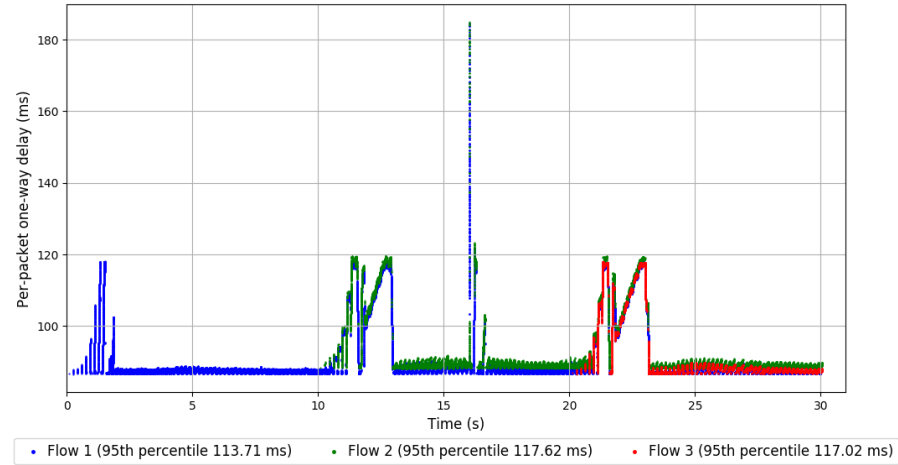
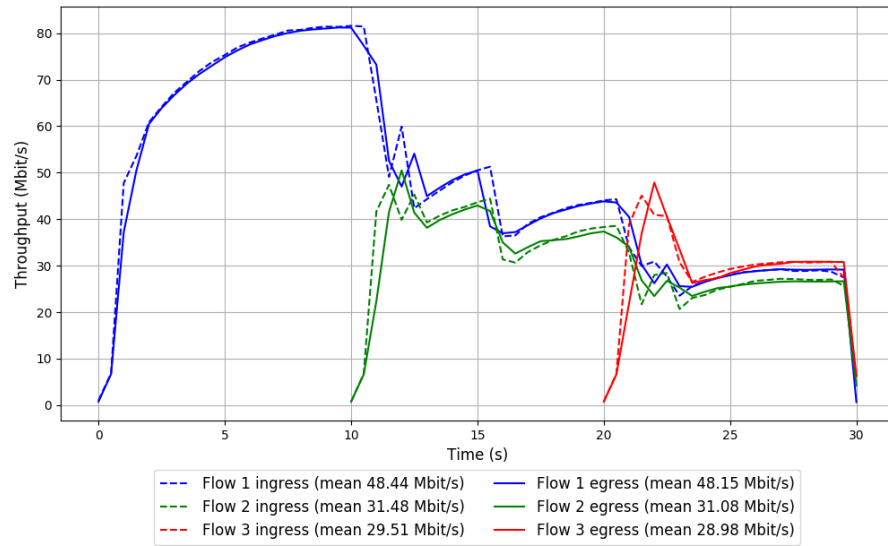


Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 18:07:50
End at: 2018-03-06 18:08:20
Local clock offset: -6.737 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-03-06 20:07:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 116.092 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 113.706 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 117.622 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 117.022 ms
Loss rate: 1.81%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 18:31:42

End at: 2018-03-06 18:32:12

Local clock offset: -6.885 ms

Remote clock offset: 4.418 ms

Below is generated by plot.py at 2018-03-06 20:07:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.90 Mbit/s

95th percentile per-packet one-way delay: 109.523 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 36.78 Mbit/s

95th percentile per-packet one-way delay: 108.725 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 109.616 ms

Loss rate: 0.42%

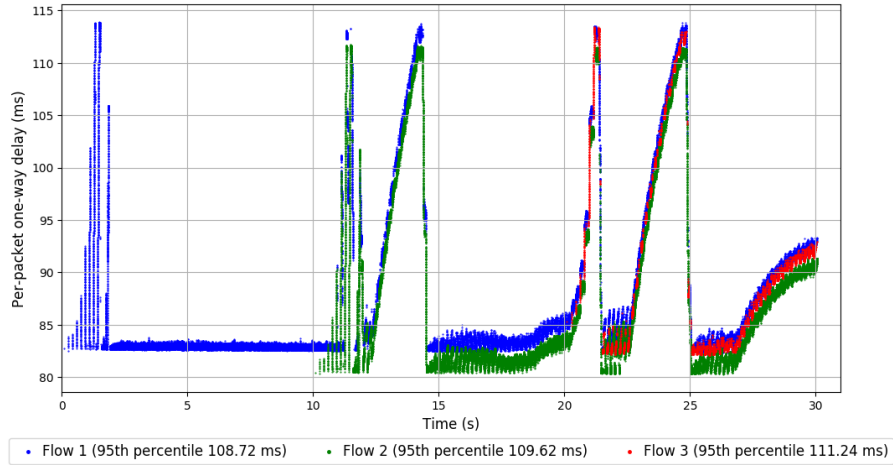
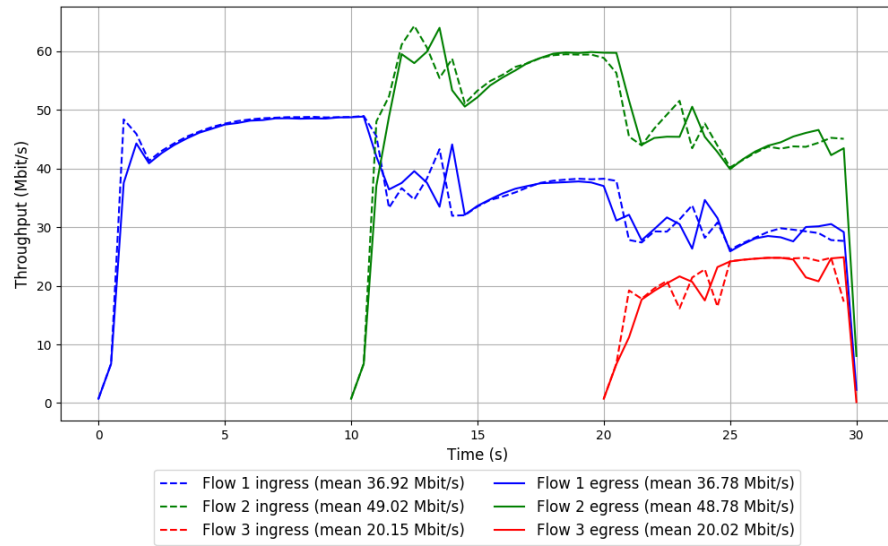
-- Flow 3:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 111.243 ms

Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

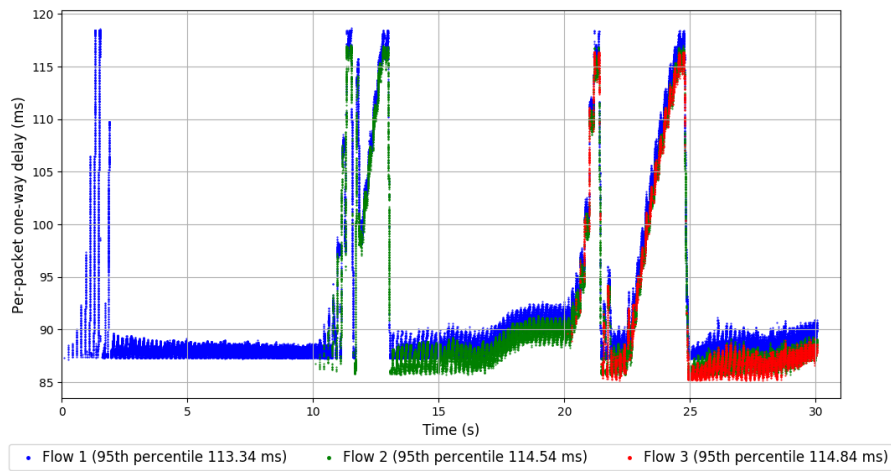
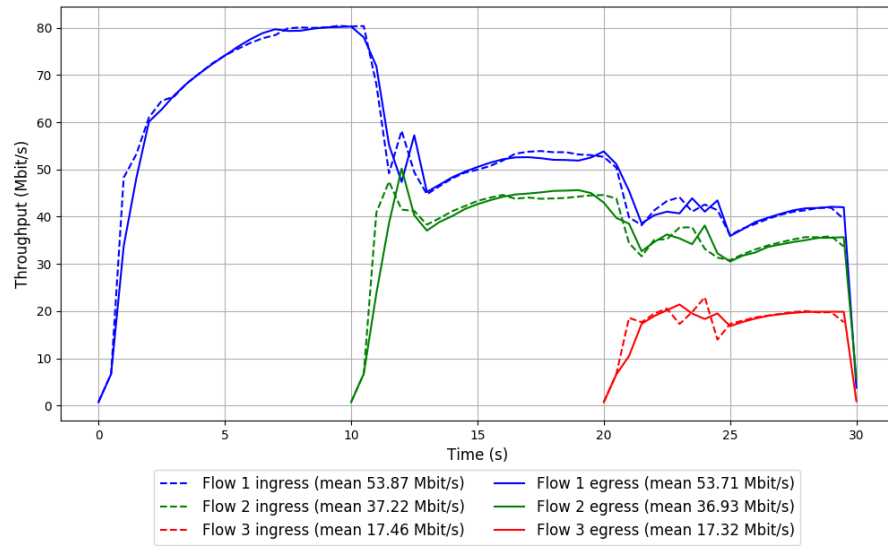


Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 18:55:27
End at: 2018-03-06 18:55:57
Local clock offset: -6.191 ms
Remote clock offset: 17.802 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 114.158 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 113.336 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 114.840 ms
Loss rate: 0.80%

Run 9: Report of TCP Cubic — Data Link

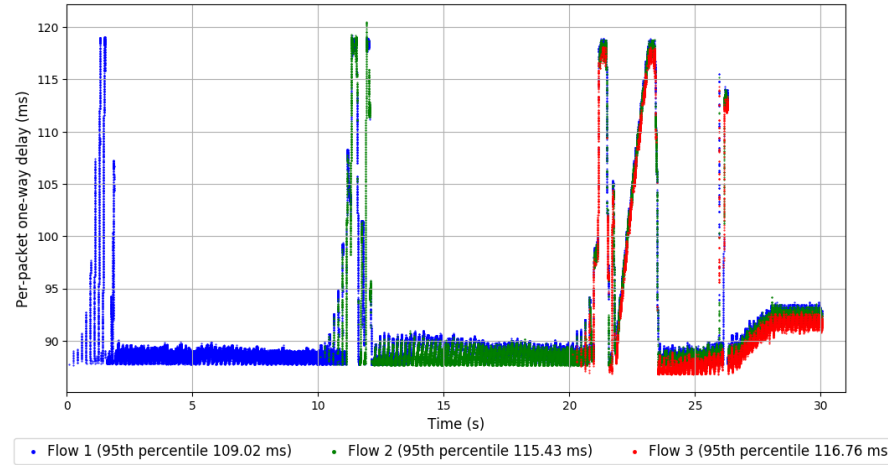
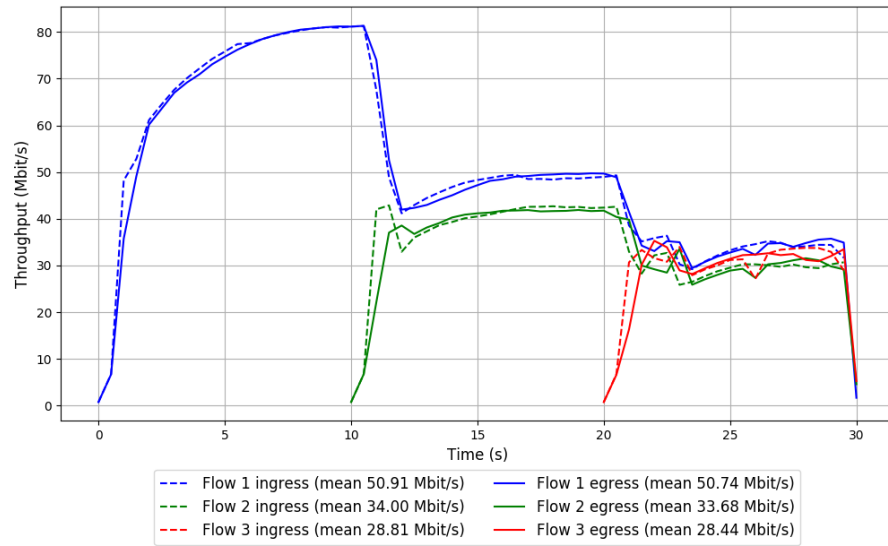


Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 19:19:20
End at: 2018-03-06 19:19:50
Local clock offset: -6.013 ms
Remote clock offset: 22.971 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.60 Mbit/s
95th percentile per-packet one-way delay: 113.304 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 50.74 Mbit/s
95th percentile per-packet one-way delay: 109.018 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 115.434 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 116.757 ms
Loss rate: 1.28%

Run 10: Report of TCP Cubic — Data Link

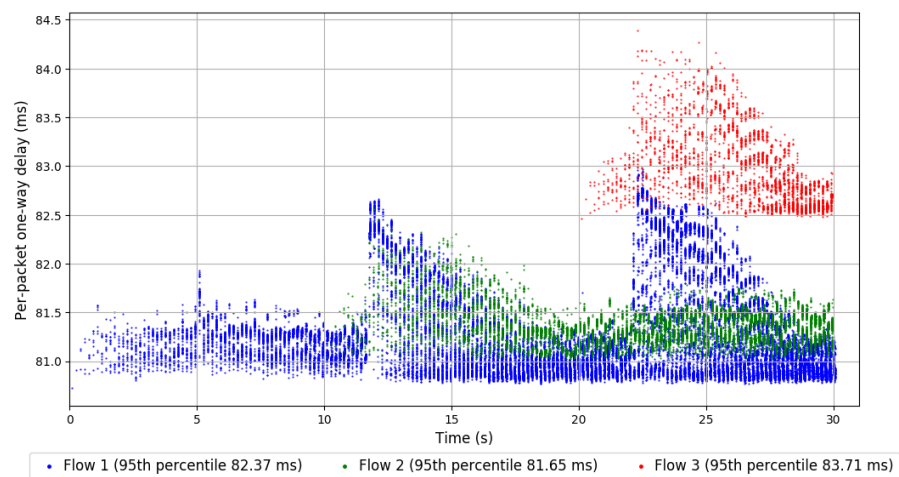
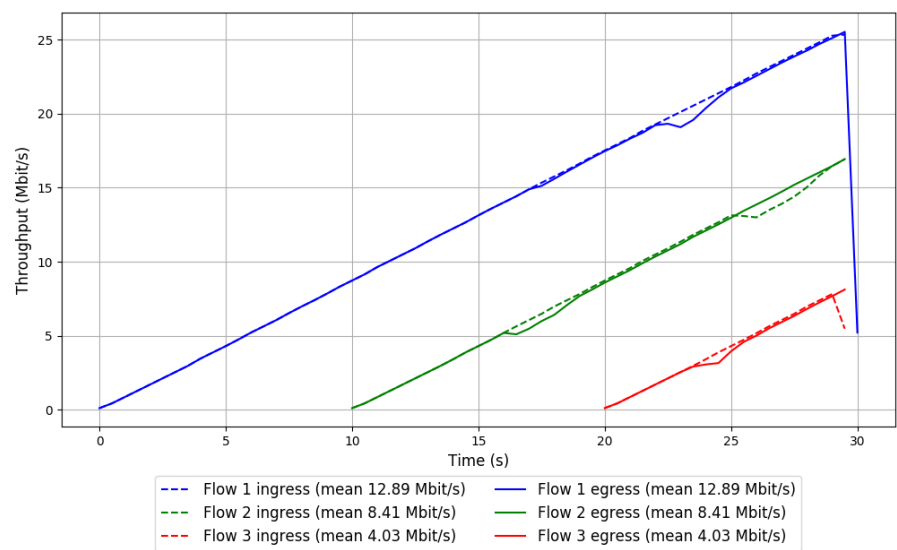


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 15:50:06
End at: 2018-03-06 15:50:36
Local clock offset: -6.427 ms
Remote clock offset: -6.247 ms

# Below is generated by plot.py at 2018-03-06 20:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 82.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 82.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 81.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 83.714 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

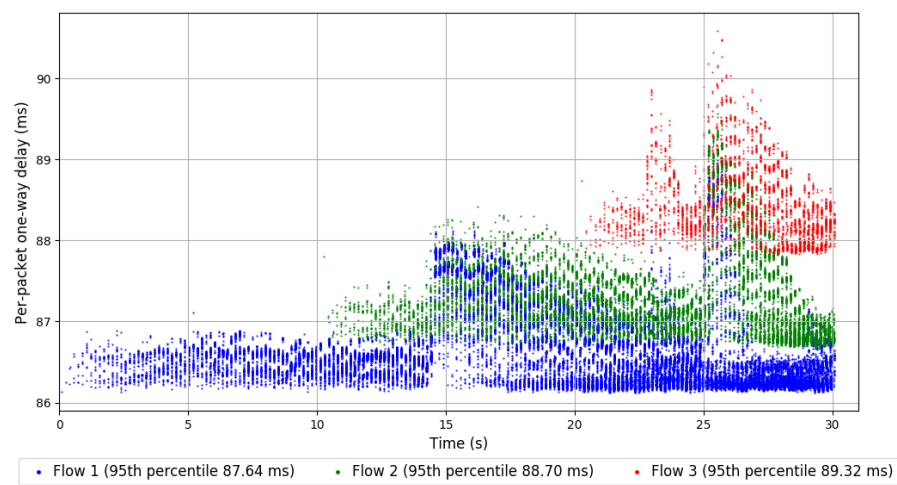
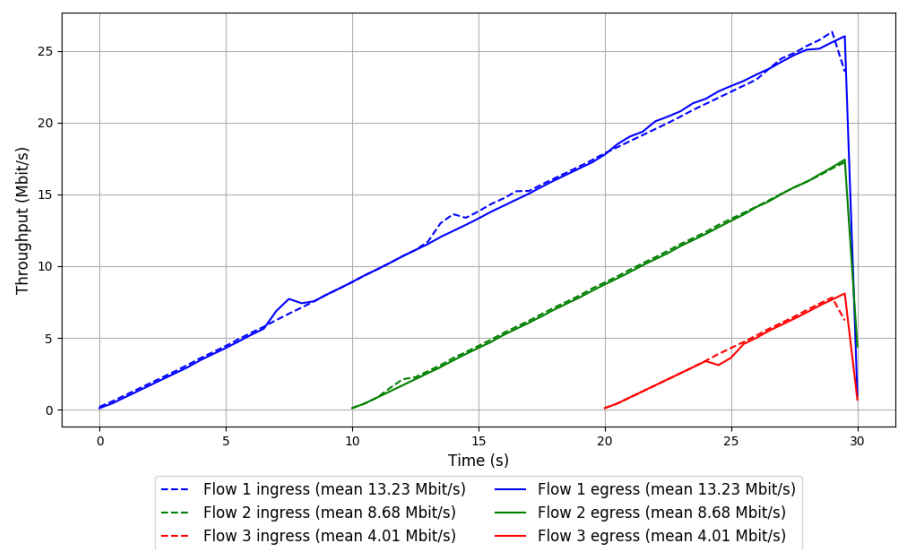


Run 2: Statistics of LEDBAT

Start at: 2018-03-06 16:13:39
End at: 2018-03-06 16:14:09
Local clock offset: -6.535 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 88.437 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 88.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 89.320 ms
Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-06 16:37:21

End at: 2018-03-06 16:37:51

Local clock offset: -6.47 ms

Remote clock offset: -6.33 ms

Below is generated by plot.py at 2018-03-06 20:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 84.395 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 84.207 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.42 Mbit/s

95th percentile per-packet one-way delay: 85.089 ms

Loss rate: 0.08%

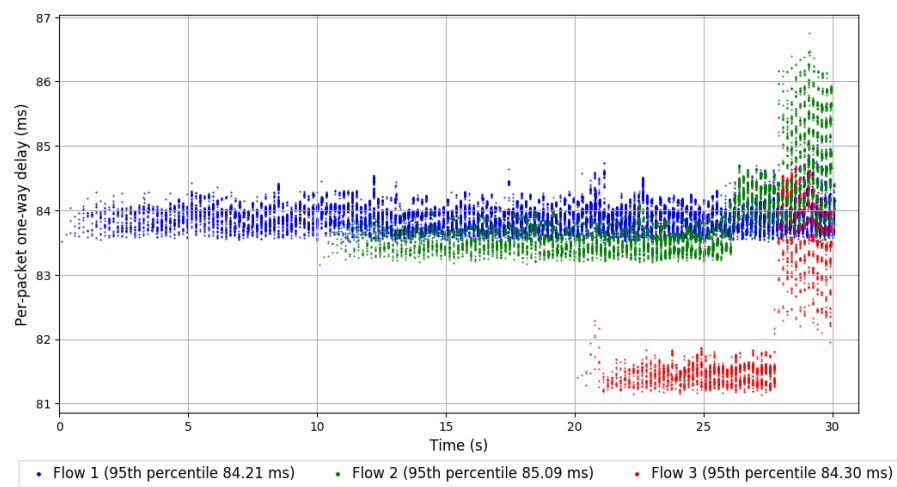
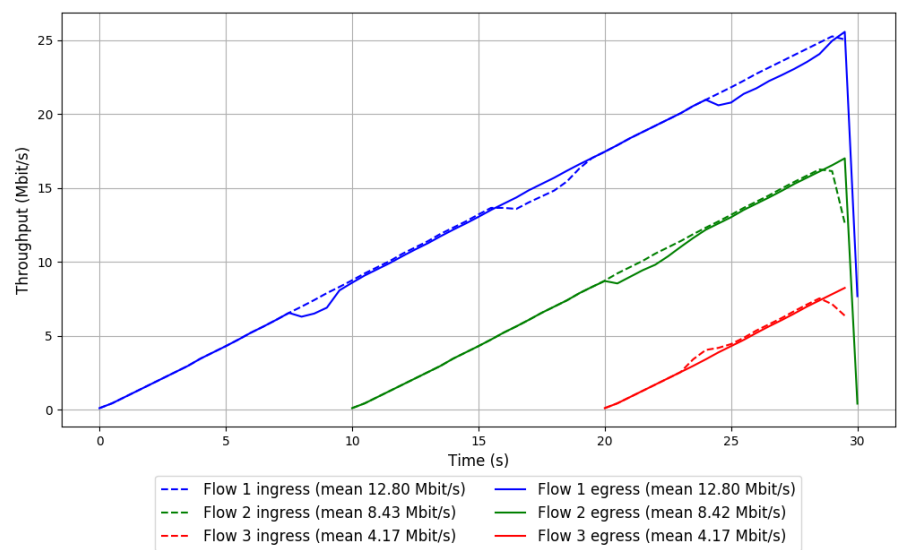
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 84.301 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

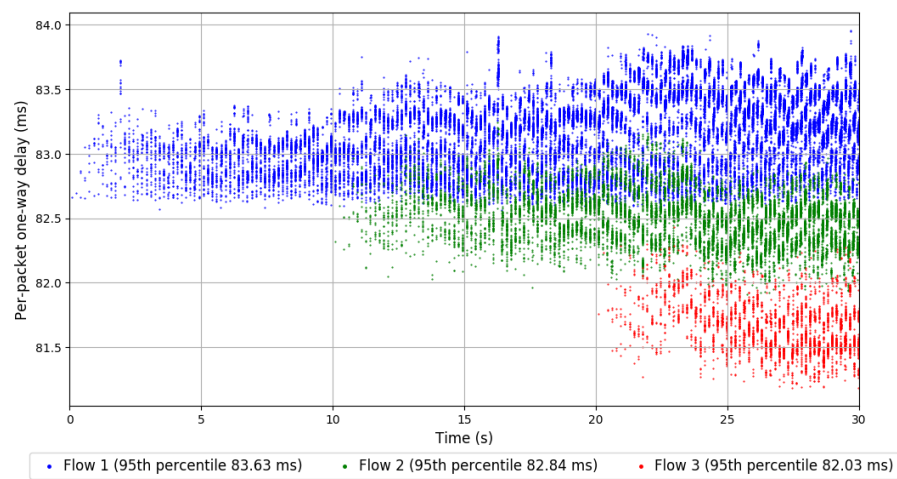
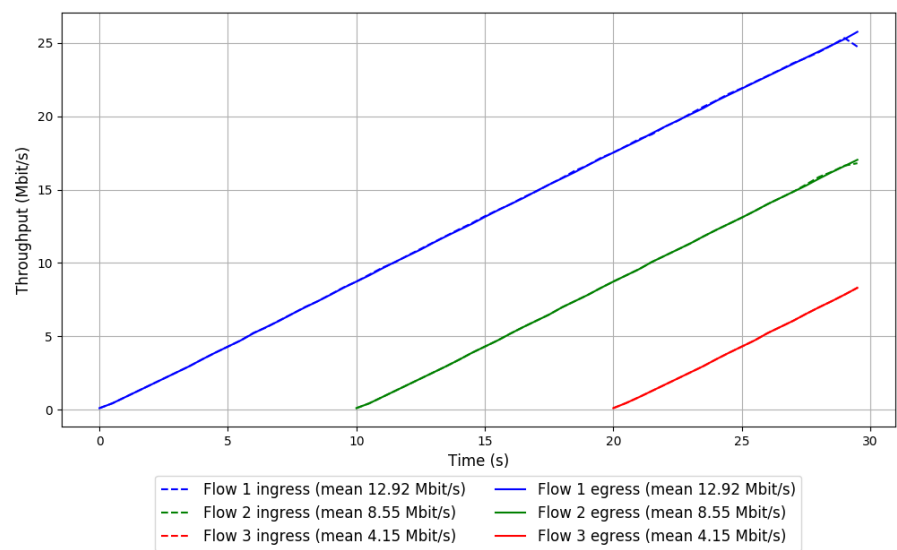


Run 4: Statistics of LEDBAT

Start at: 2018-03-06 17:01:10
End at: 2018-03-06 17:01:40
Local clock offset: -6.406 ms
Remote clock offset: -5.904 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 83.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 83.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 82.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 82.028 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

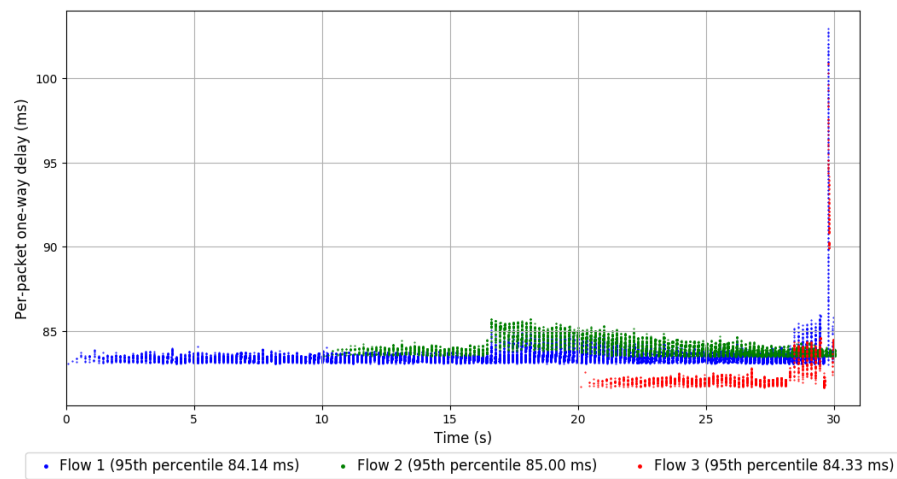
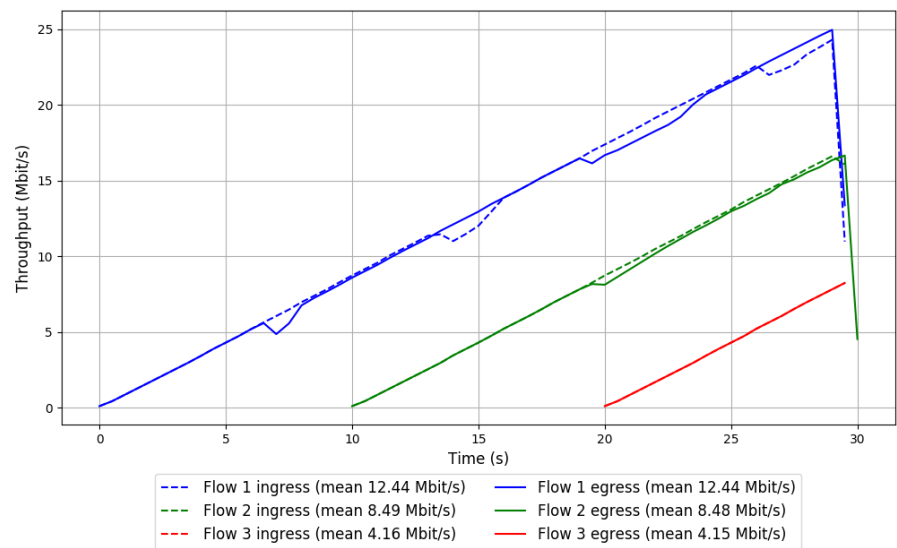


Run 5: Statistics of LEDBAT

Start at: 2018-03-06 17:24:38
End at: 2018-03-06 17:25:08
Local clock offset: -5.921 ms
Remote clock offset: -5.175 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 84.611 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 84.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 84.330 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

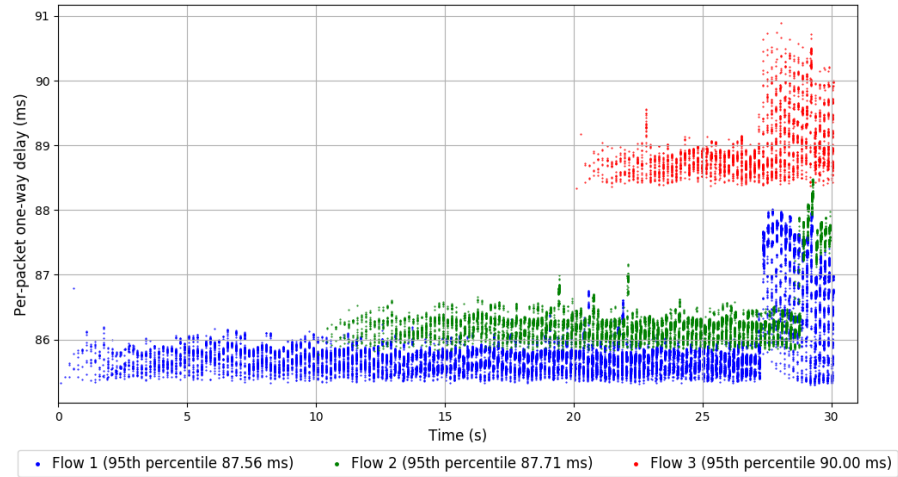
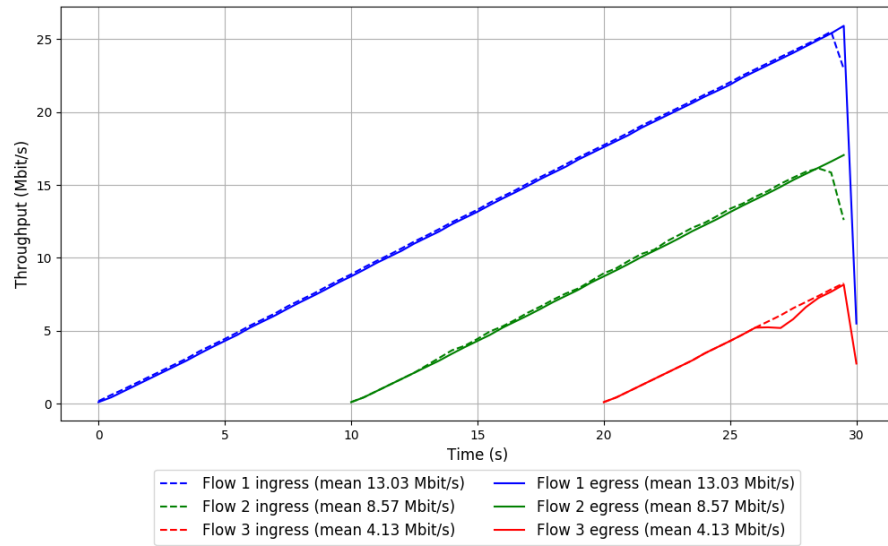


Run 6: Statistics of LEDBAT

Start at: 2018-03-06 17:48:13
End at: 2018-03-06 17:48:43
Local clock offset: -6.496 ms
Remote clock offset: -1.148 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 88.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 87.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 87.711 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 89.995 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

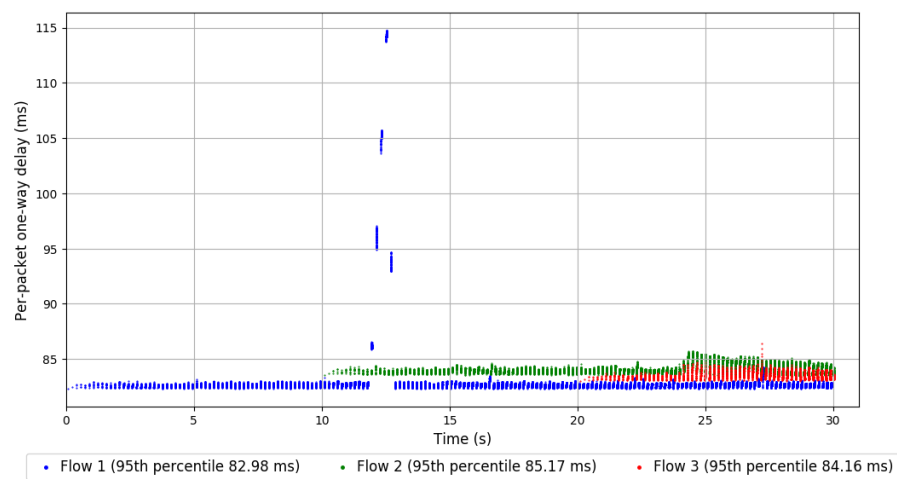
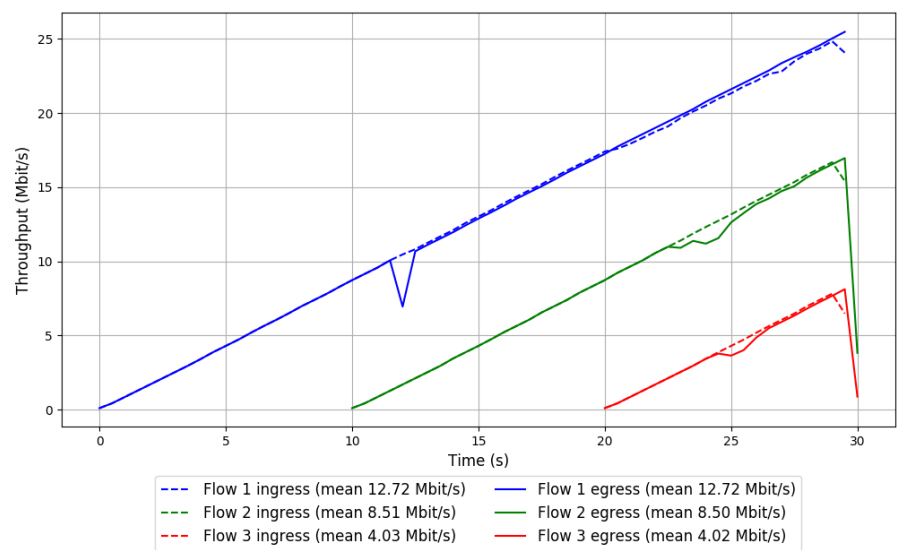


Run 7: Statistics of LEDBAT

Start at: 2018-03-06 18:11:48
End at: 2018-03-06 18:12:18
Local clock offset: -6.746 ms
Remote clock offset: -4.963 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 84.826 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 82.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 85.167 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 84.156 ms
Loss rate: 0.18%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-03-06 18:35:37

End at: 2018-03-06 18:36:07

Local clock offset: -6.815 ms

Remote clock offset: 6.824 ms

Below is generated by plot.py at 2018-03-06 20:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.50 Mbit/s

95th percentile per-packet one-way delay: 84.022 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 84.016 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 83.605 ms

Loss rate: 0.01%

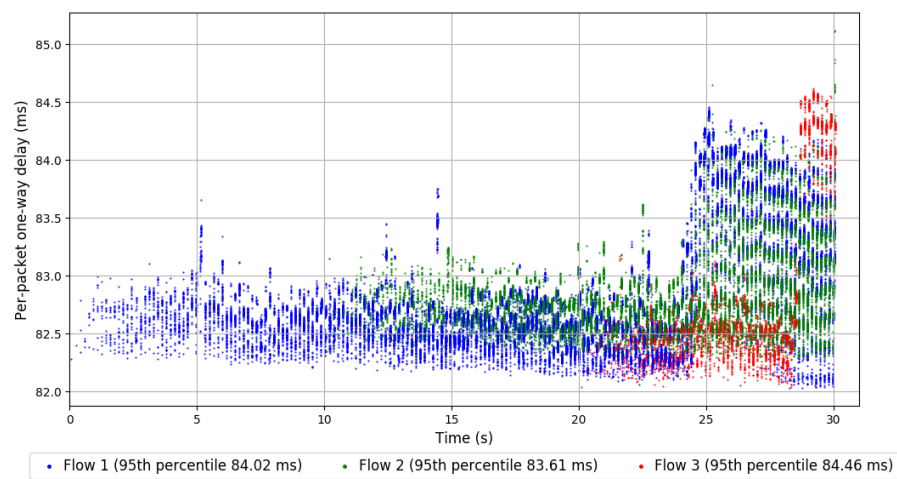
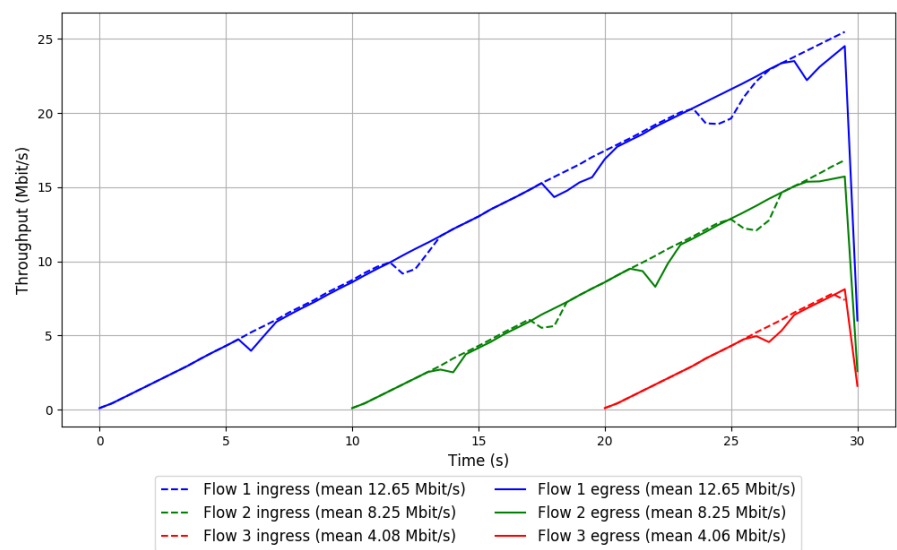
-- Flow 3:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 84.457 ms

Loss rate: 0.40%

Run 8: Report of LEDBAT — Data Link

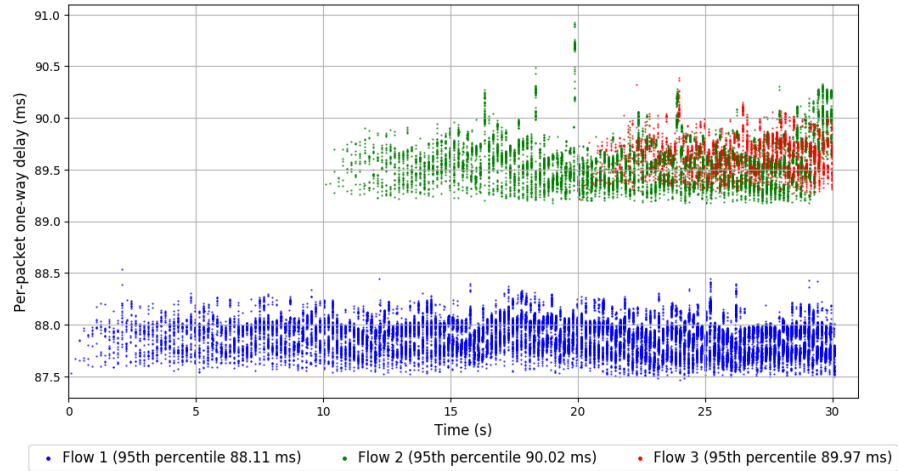
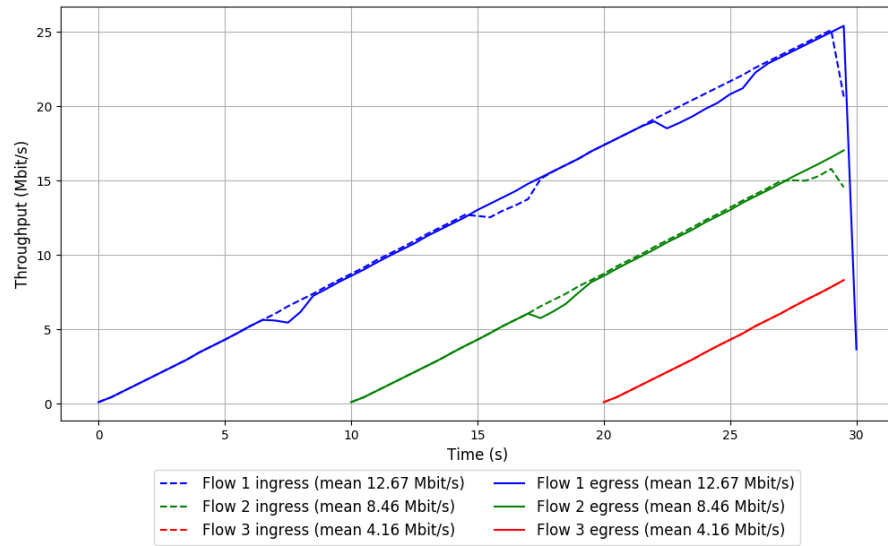


Run 9: Statistics of LEDBAT

Start at: 2018-03-06 18:59:24
End at: 2018-03-06 18:59:54
Local clock offset: -6.167 ms
Remote clock offset: 20.368 ms

Below is generated by plot.py at 2018-03-06 20:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 89.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 88.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 90.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 89.969 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-06 19:23:16

End at: 2018-03-06 19:23:46

Local clock offset: -6.251 ms

Remote clock offset: 19.0 ms

Below is generated by plot.py at 2018-03-06 20:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 81.722 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 81.747 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 81.656 ms

Loss rate: 0.00%

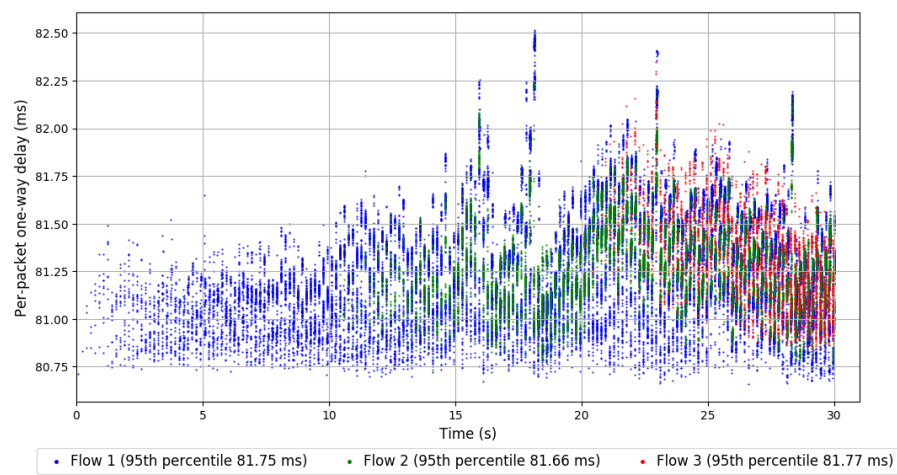
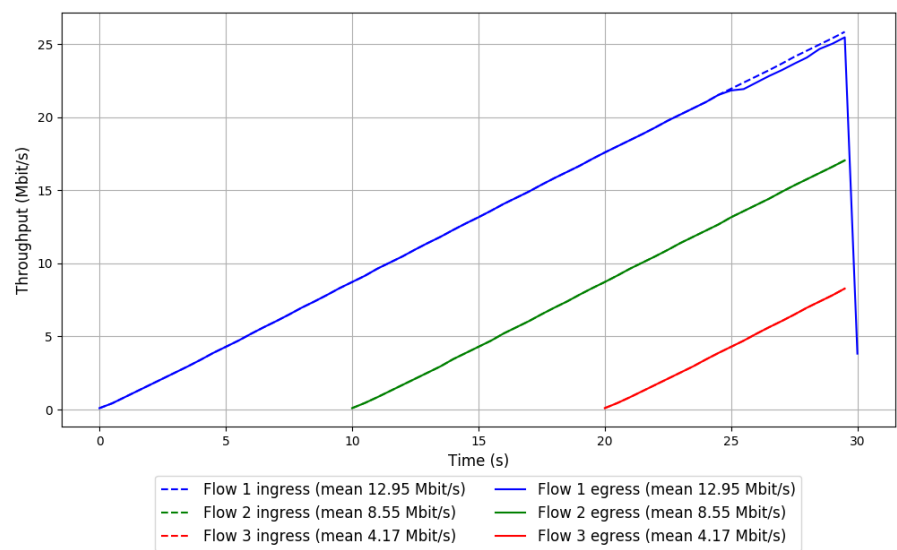
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 81.774 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

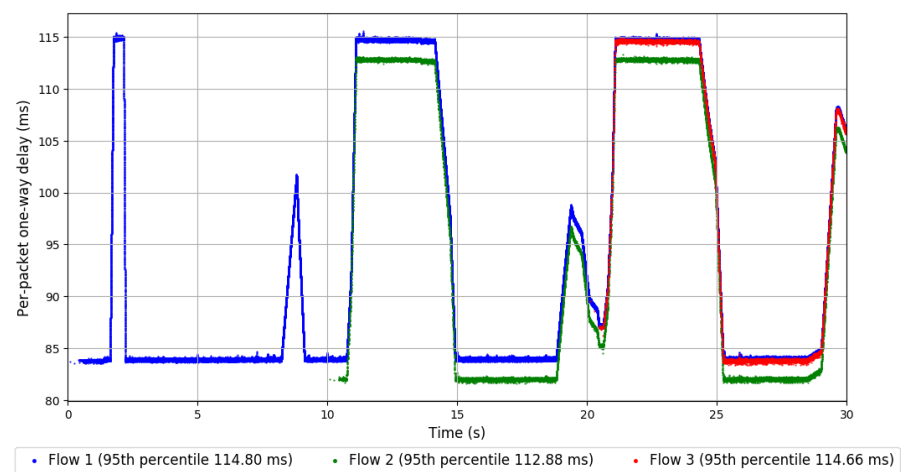
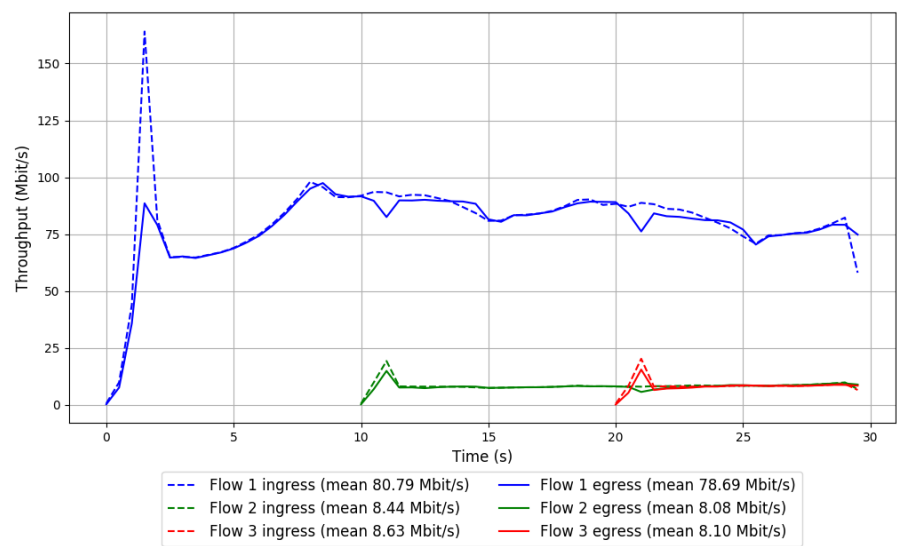


Run 1: Statistics of PCC

Start at: 2018-03-06 15:47:27
End at: 2018-03-06 15:47:57
Local clock offset: -6.4 ms
Remote clock offset: -5.418 ms

Below is generated by plot.py at 2018-03-06 20:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 114.794 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 114.802 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 4.17%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 114.658 ms
Loss rate: 5.98%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-06 16:11:01

End at: 2018-03-06 16:11:31

Local clock offset: -6.535 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2018-03-06 20:08:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 118.089 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 79.31 Mbit/s

95th percentile per-packet one-way delay: 118.052 ms

Loss rate: 2.05%

-- Flow 2:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 120.491 ms

Loss rate: 3.05%

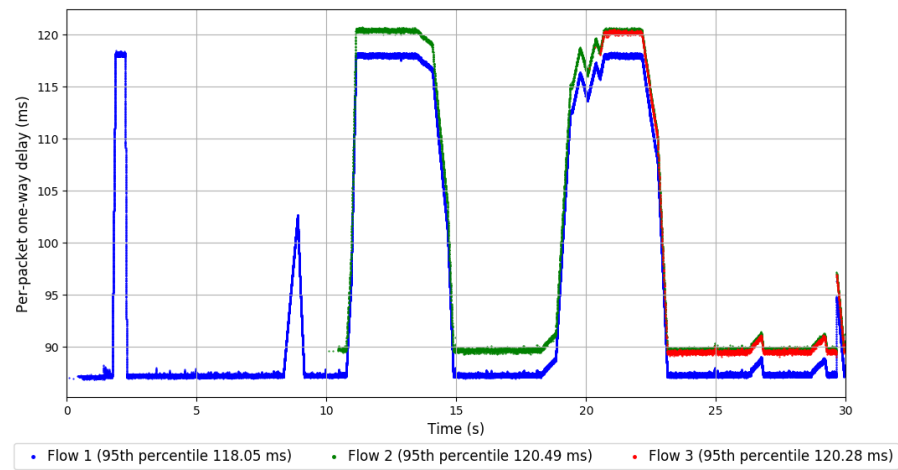
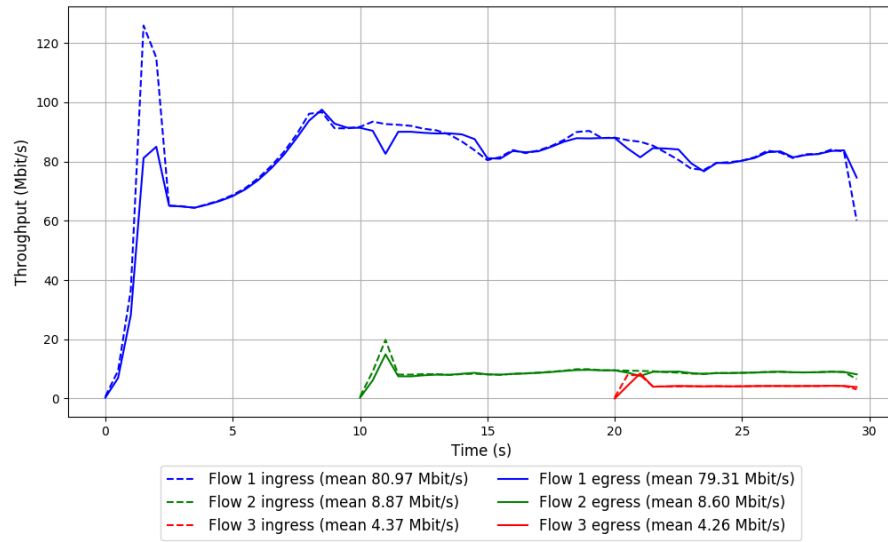
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 120.281 ms

Loss rate: 2.93%

Run 2: Report of PCC — Data Link

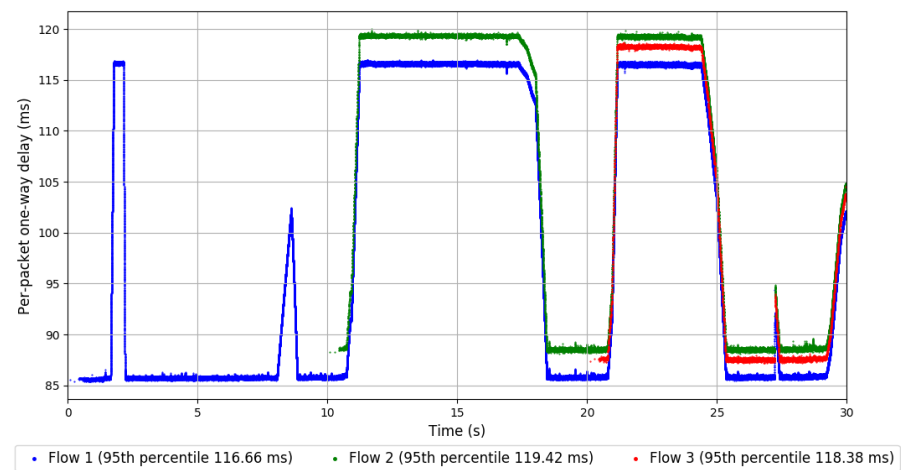
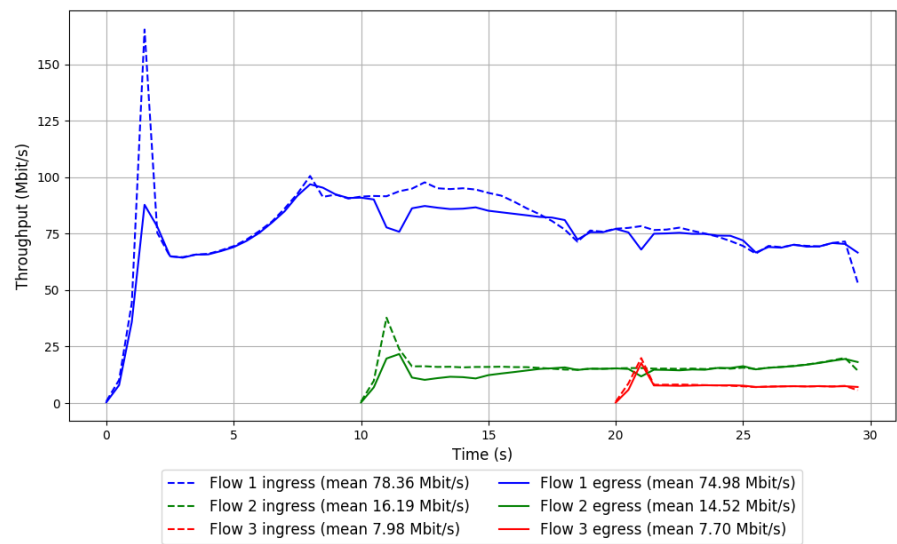


Run 3: Statistics of PCC

Start at: 2018-03-06 16:34:43
End at: 2018-03-06 16:35:13
Local clock offset: -6.485 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-03-06 20:09:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 118.661 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 116.657 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 119.421 ms
Loss rate: 10.27%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 118.376 ms
Loss rate: 3.37%

Run 3: Report of PCC — Data Link

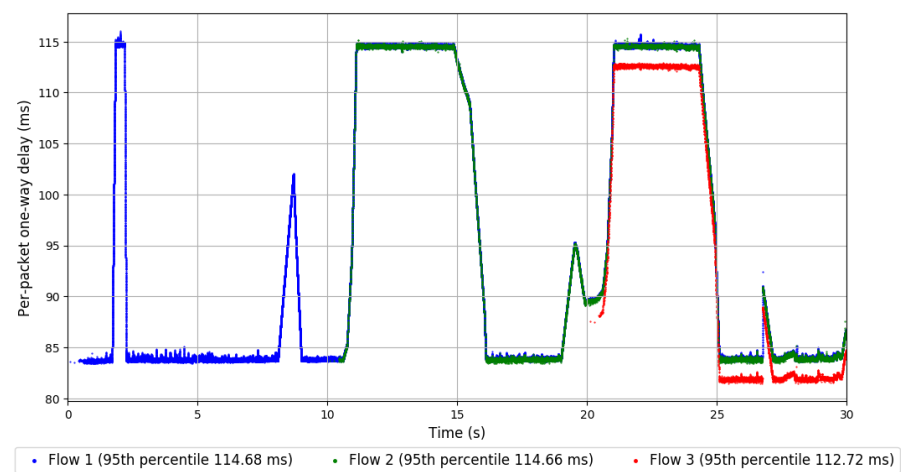
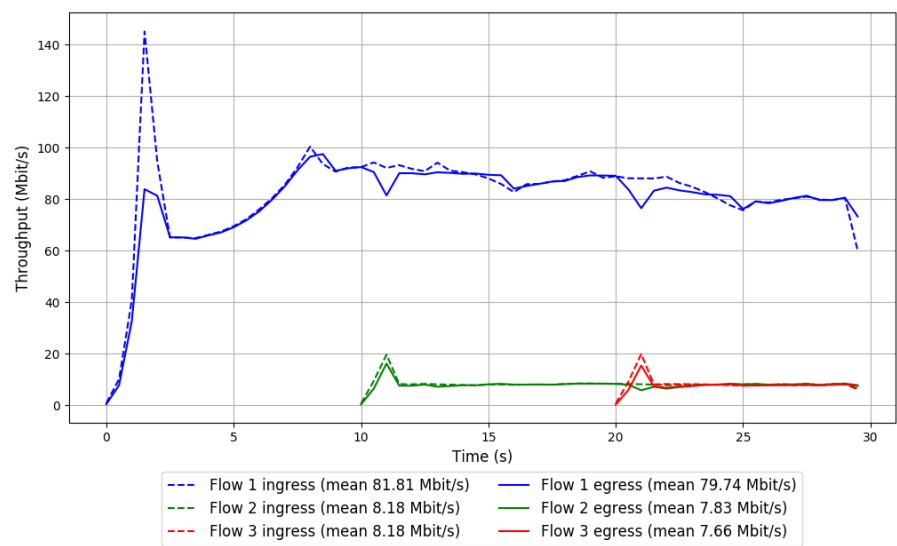


Run 4: Statistics of PCC

Start at: 2018-03-06 16:58:32
End at: 2018-03-06 16:59:02
Local clock offset: -6.406 ms
Remote clock offset: -5.083 ms

Below is generated by plot.py at 2018-03-06 20:09:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 114.679 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 114.683 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 112.717 ms
Loss rate: 6.46%

Run 4: Report of PCC — Data Link

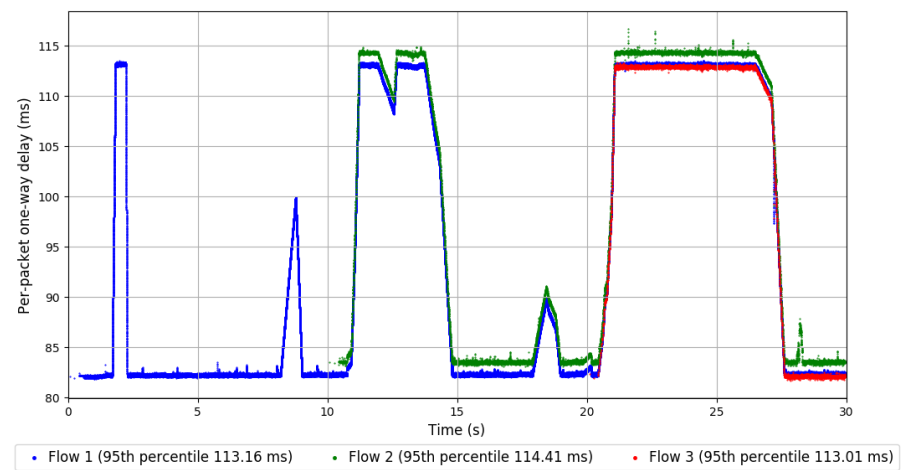
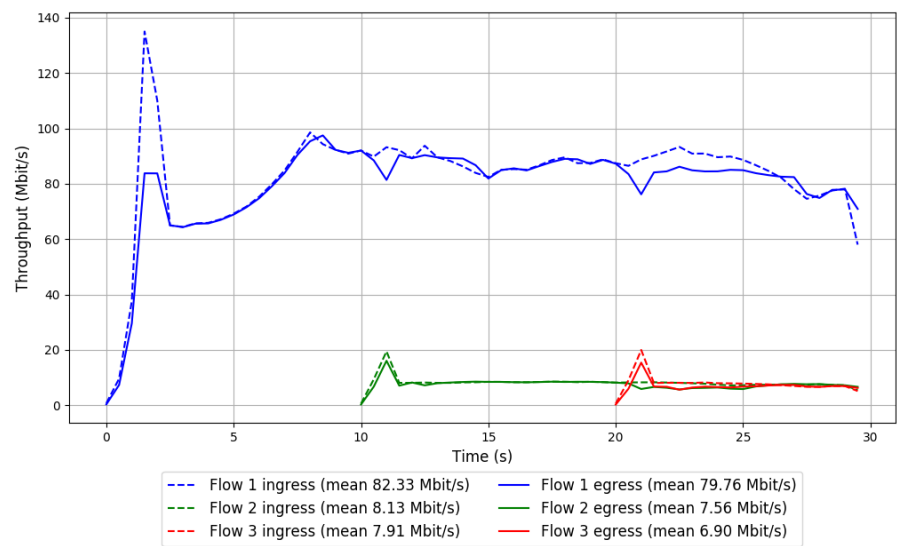


Run 5: Statistics of PCC

Start at: 2018-03-06 17:22:00
End at: 2018-03-06 17:22:30
Local clock offset: -5.955 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-03-06 20:09:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 113.186 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 113.160 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 114.409 ms
Loss rate: 6.99%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 113.014 ms
Loss rate: 12.77%

Run 5: Report of PCC — Data Link

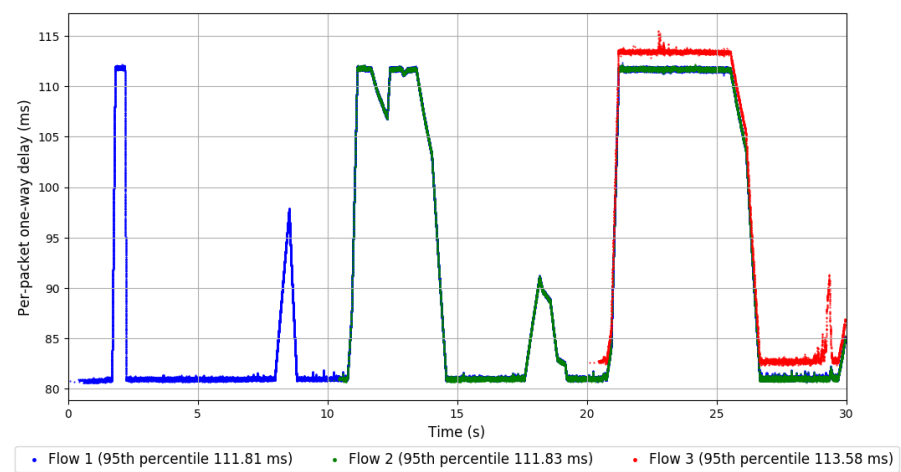
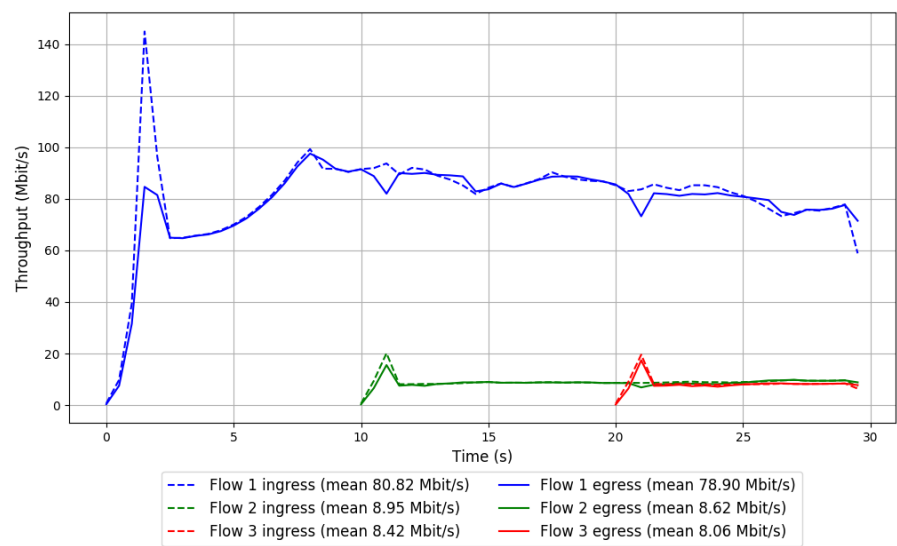


Run 6: Statistics of PCC

Start at: 2018-03-06 17:45:35
End at: 2018-03-06 17:46:05
Local clock offset: -6.428 ms
Remote clock offset: -6.012 ms

Below is generated by plot.py at 2018-03-06 20:09:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 111.805 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 111.828 ms
Loss rate: 3.74%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 113.585 ms
Loss rate: 4.23%

Run 6: Report of PCC — Data Link

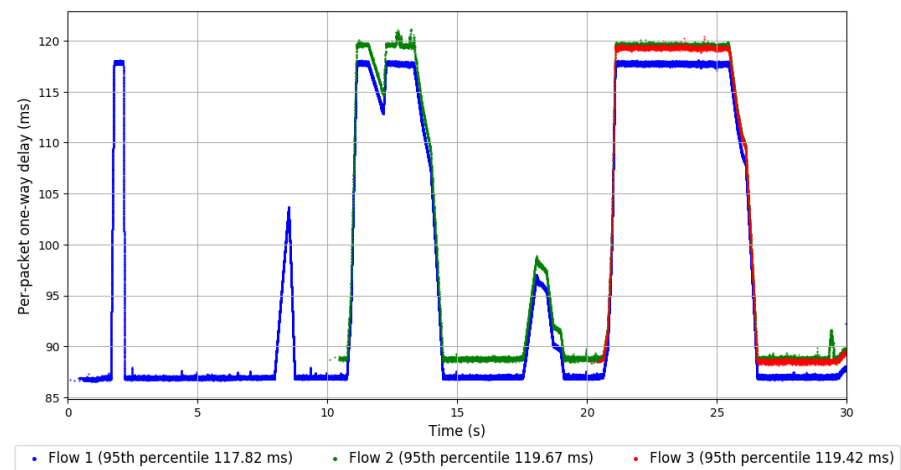
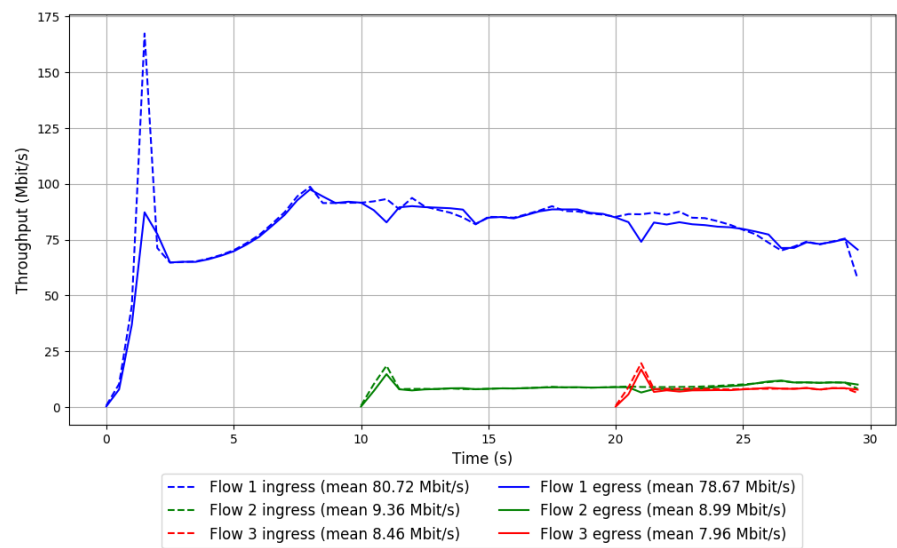


Run 7: Statistics of PCC

Start at: 2018-03-06 18:09:08
End at: 2018-03-06 18:09:38
Local clock offset: -6.792 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-03-06 20:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 117.887 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 117.822 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 119.673 ms
Loss rate: 3.91%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 119.419 ms
Loss rate: 5.93%

Run 7: Report of PCC — Data Link

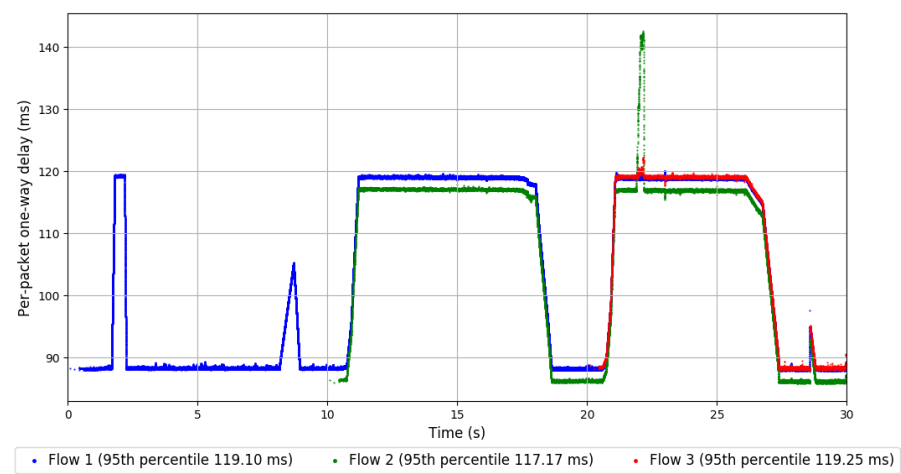
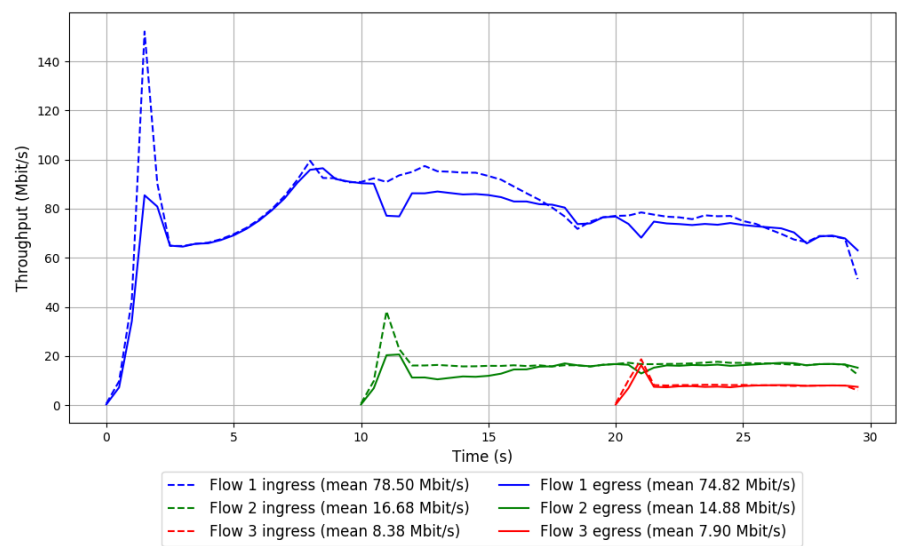


Run 8: Statistics of PCC

Start at: 2018-03-06 18:32:59
End at: 2018-03-06 18:33:29
Local clock offset: -6.803 ms
Remote clock offset: 11.162 ms

Below is generated by plot.py at 2018-03-06 20:09:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 119.100 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 119.097 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 117.173 ms
Loss rate: 10.78%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 119.252 ms
Loss rate: 5.73%

Run 8: Report of PCC — Data Link

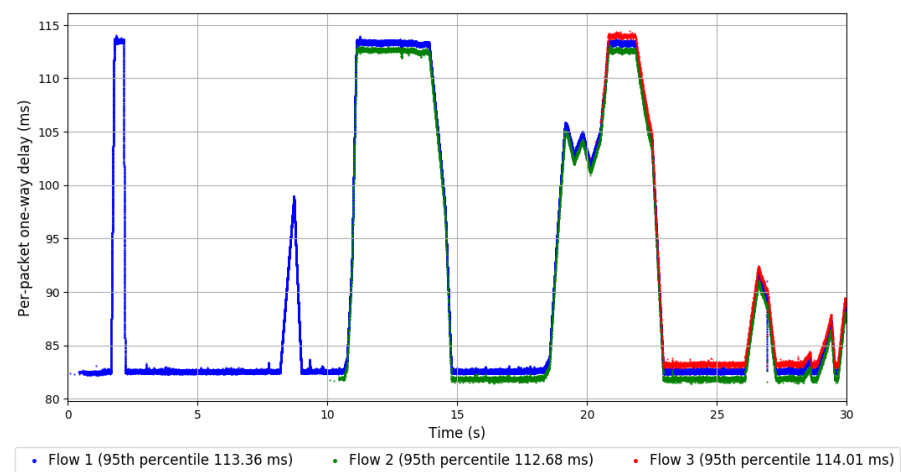
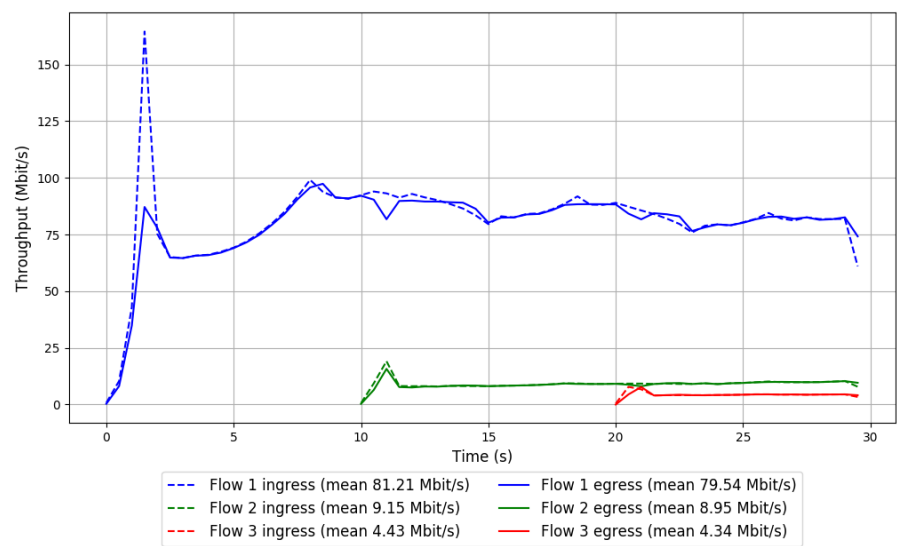


Run 9: Statistics of PCC

Start at: 2018-03-06 18:56:46
End at: 2018-03-06 18:57:16
Local clock offset: -6.178 ms
Remote clock offset: 14.144 ms

Below is generated by plot.py at 2018-03-06 20:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 113.360 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 113.365 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 112.683 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 114.014 ms
Loss rate: 2.14%

Run 9: Report of PCC — Data Link

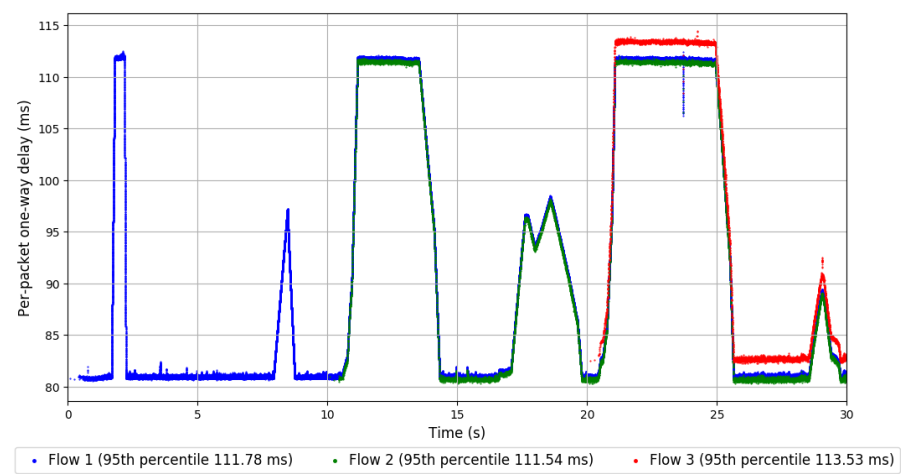
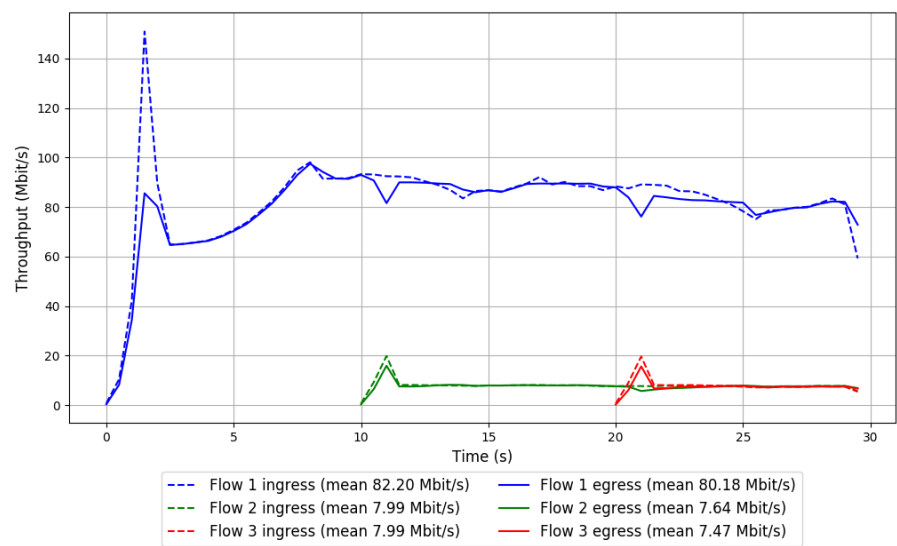


Run 10: Statistics of PCC

Start at: 2018-03-06 19:20:38
End at: 2018-03-06 19:21:08
Local clock offset: -6.138 ms
Remote clock offset: 18.451 ms

Below is generated by plot.py at 2018-03-06 20:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 111.783 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 111.538 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 113.533 ms
Loss rate: 6.52%

Run 10: Report of PCC — Data Link

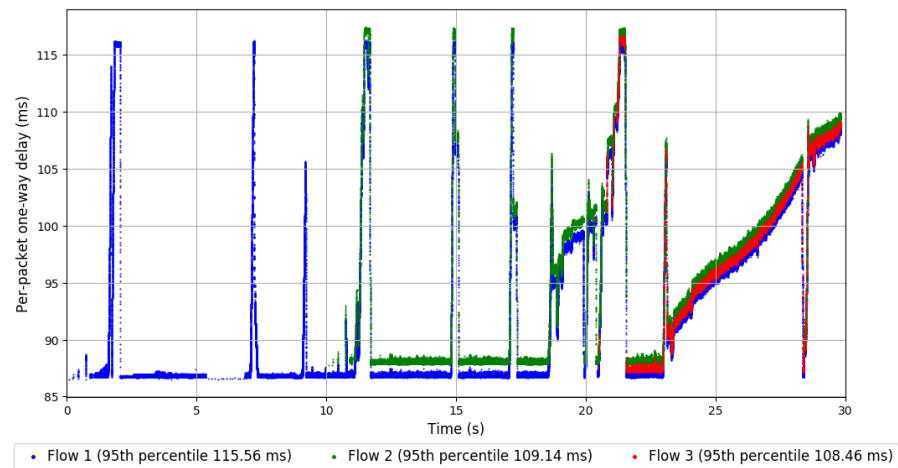
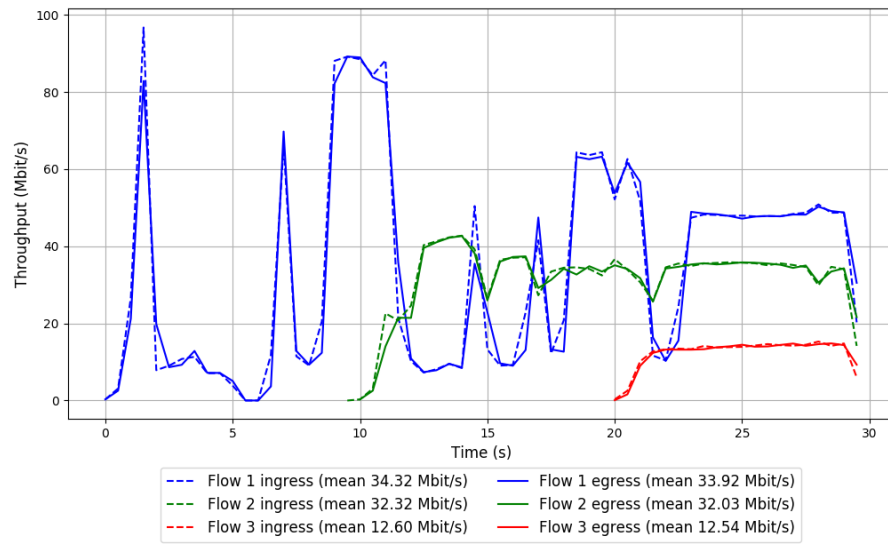


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 15:54:03
End at: 2018-03-06 15:54:33
Local clock offset: -6.45 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-03-06 20:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 112.415 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 115.560 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 109.145 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 108.459 ms
Loss rate: 0.41%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 16:17:49

End at: 2018-03-06 16:18:19

Local clock offset: -6.565 ms

Remote clock offset: 0.643 ms

Below is generated by plot.py at 2018-03-06 20:10:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 116.639 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 33.17 Mbit/s

95th percentile per-packet one-way delay: 114.194 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 30.24 Mbit/s

95th percentile per-packet one-way delay: 110.228 ms

Loss rate: 2.47%

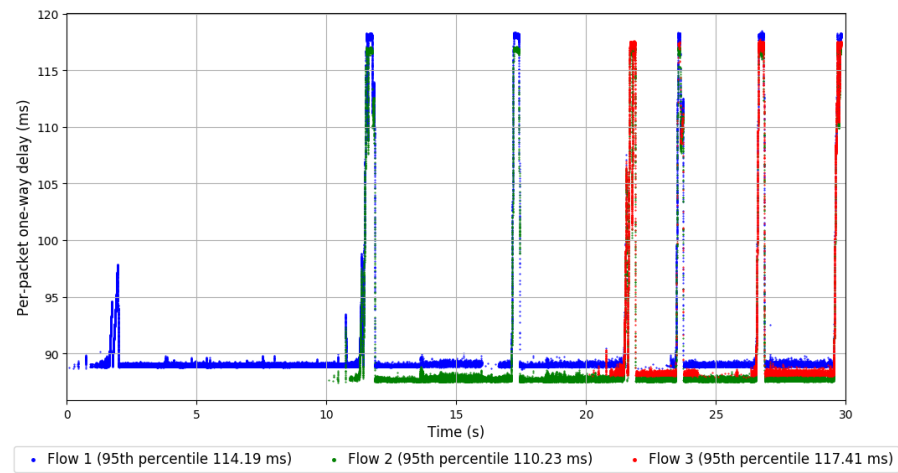
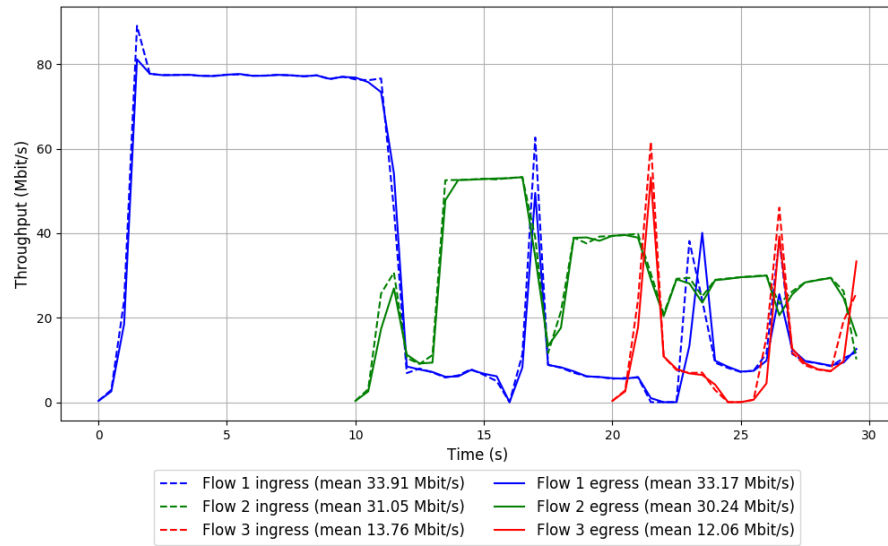
-- Flow 3:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 117.414 ms

Loss rate: 12.10%

Run 2: Report of QUIC Cubic — Data Link

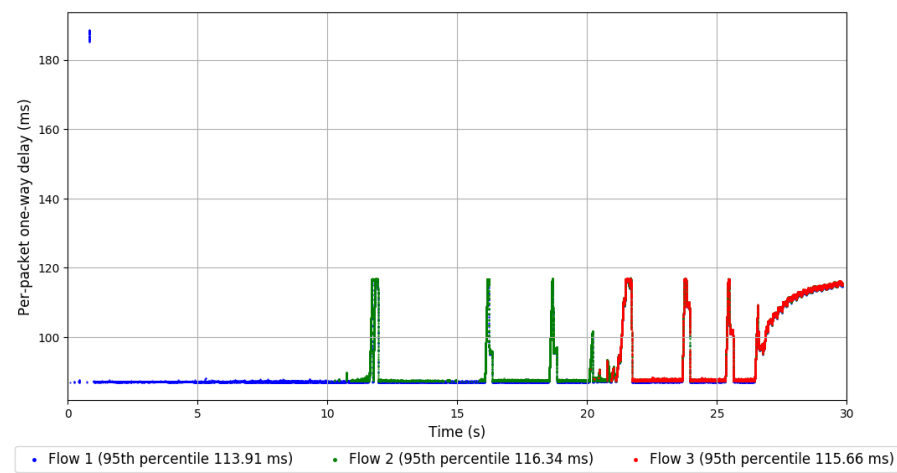
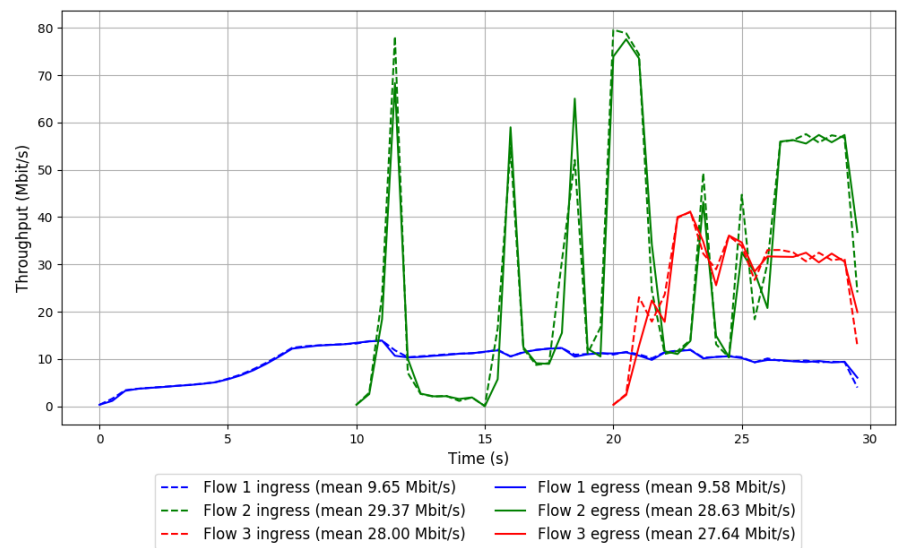


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 16:41:33
End at: 2018-03-06 16:42:03
Local clock offset: -6.489 ms
Remote clock offset: -1.446 ms

Below is generated by plot.py at 2018-03-06 20:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 115.691 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 113.907 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 116.345 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 27.64 Mbit/s
95th percentile per-packet one-way delay: 115.660 ms
Loss rate: 1.08%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 17:05:08

End at: 2018-03-06 17:05:38

Local clock offset: -6.19 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2018-03-06 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.74 Mbit/s

95th percentile per-packet one-way delay: 112.761 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 36.99 Mbit/s

95th percentile per-packet one-way delay: 114.663 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 112.440 ms

Loss rate: 0.66%

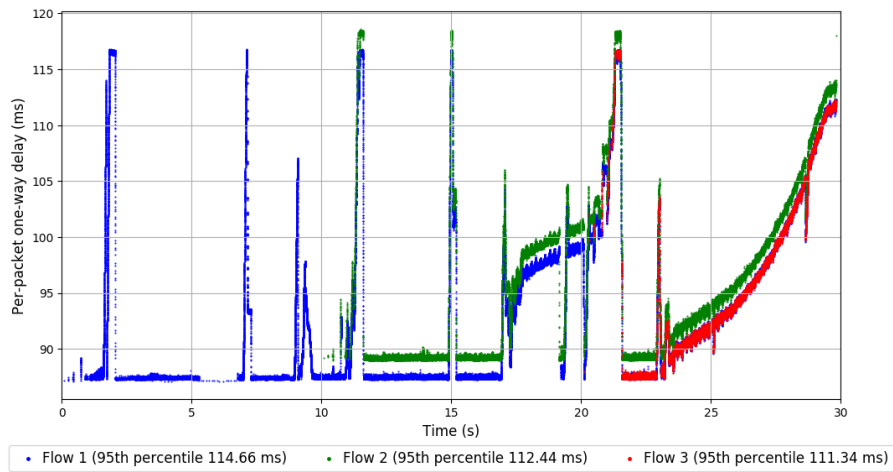
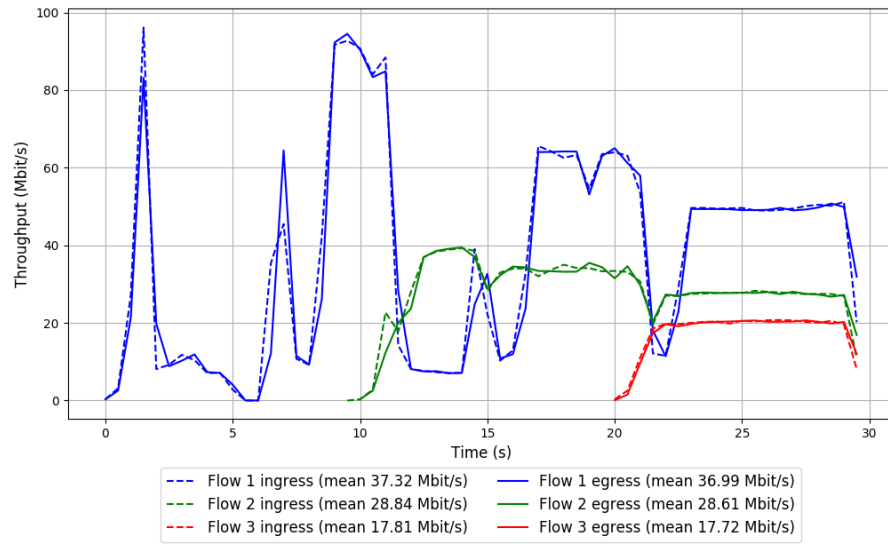
-- Flow 3:

Average throughput: 17.72 Mbit/s

95th percentile per-packet one-way delay: 111.340 ms

Loss rate: 0.26%

Run 4: Report of QUIC Cubic — Data Link

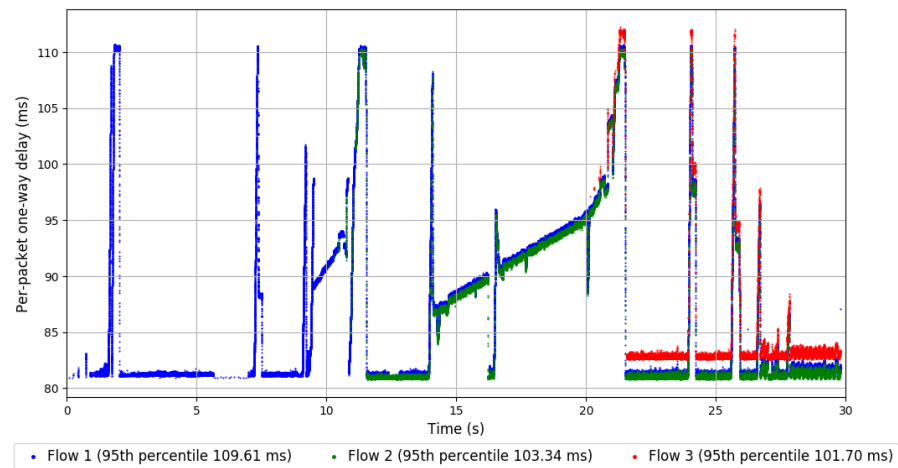
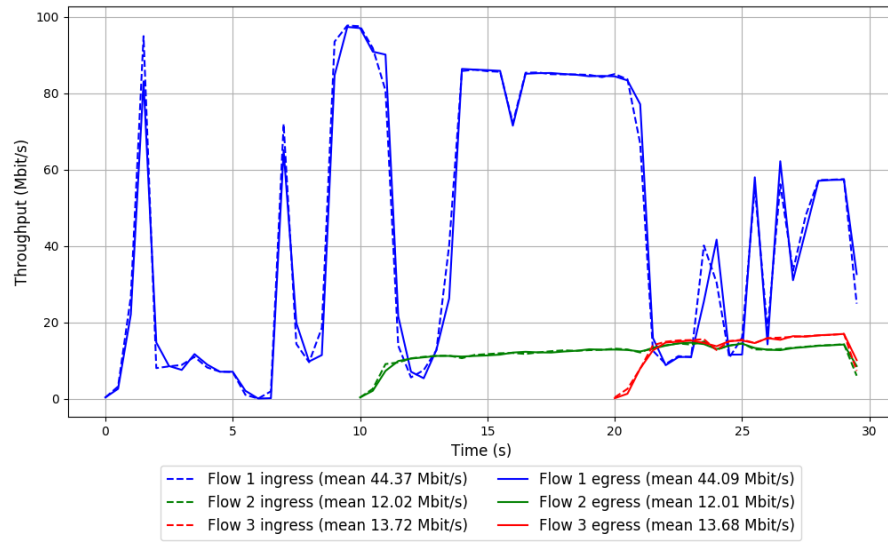


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 17:28:35
End at: 2018-03-06 17:29:05
Local clock offset: -5.916 ms
Remote clock offset: -5.967 ms

Below is generated by plot.py at 2018-03-06 20:10:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 108.191 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 109.605 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 103.336 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 101.699 ms
Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

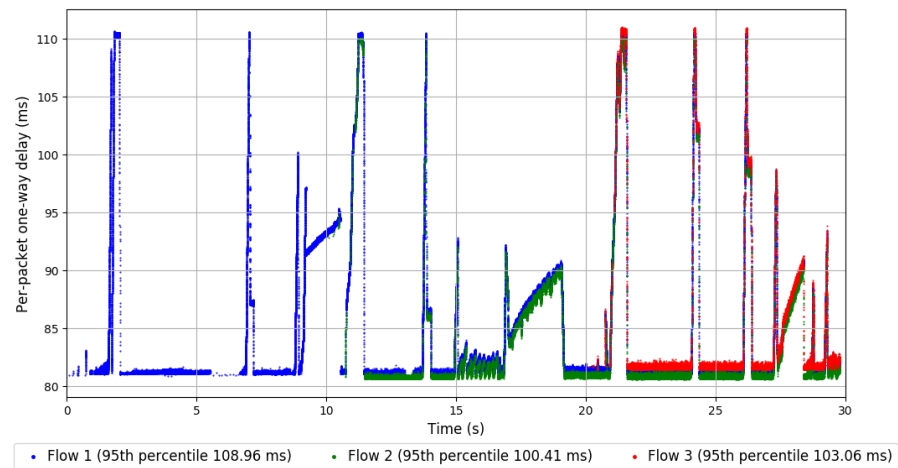
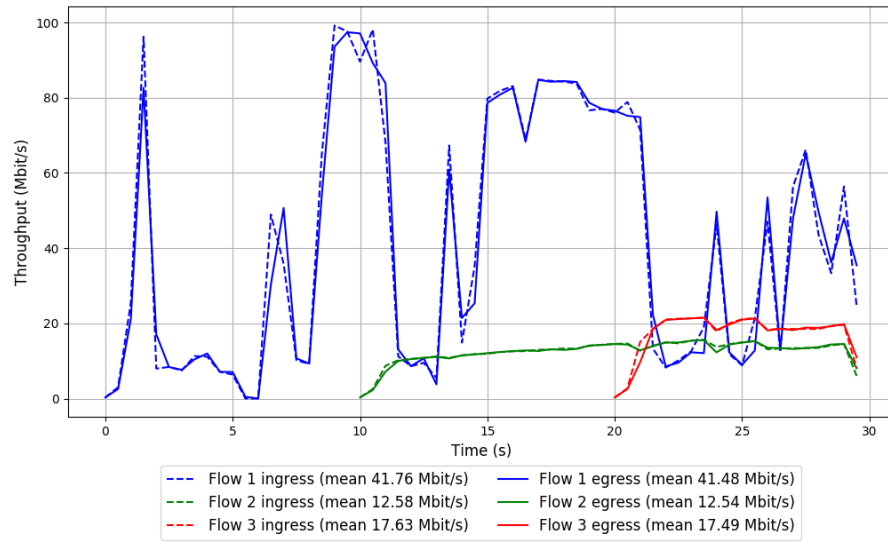


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 17:52:11
End at: 2018-03-06 17:52:41
Local clock offset: -6.559 ms
Remote clock offset: -5.923 ms

Below is generated by plot.py at 2018-03-06 20:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 107.687 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 108.963 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 100.405 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 103.065 ms
Loss rate: 0.79%

Run 6: Report of QUIC Cubic — Data Link

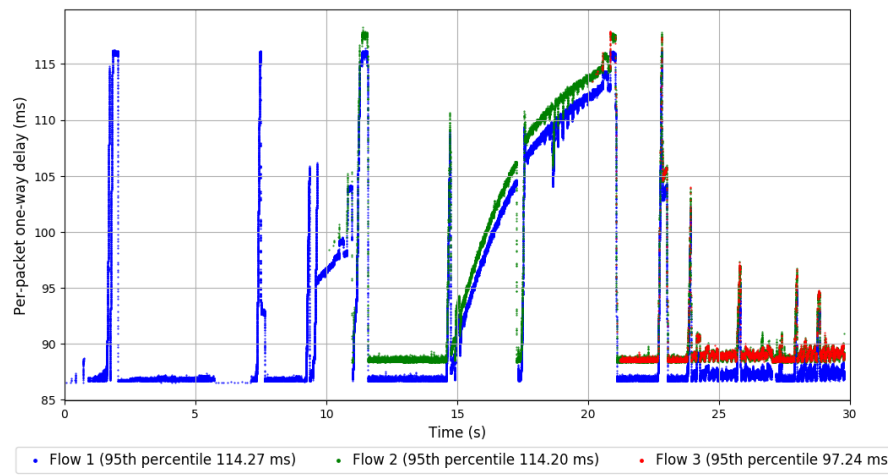
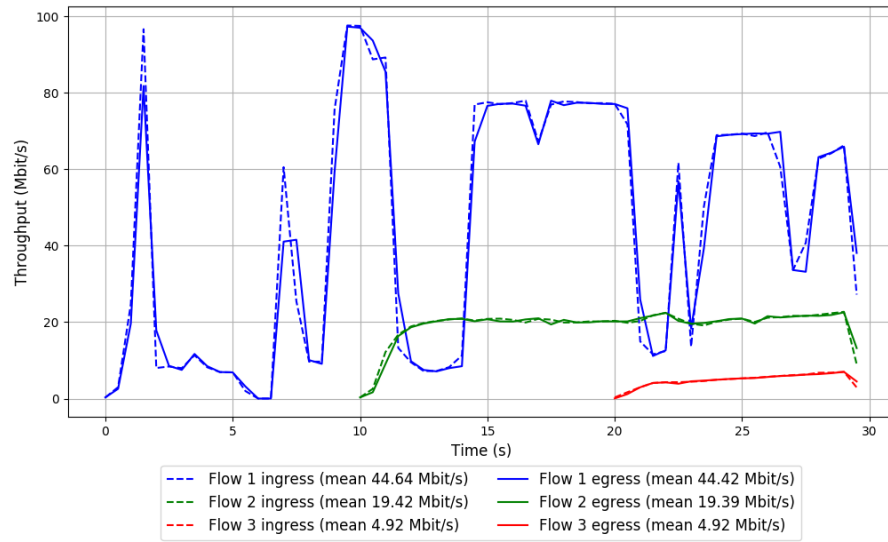


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 18:16:00
End at: 2018-03-06 18:16:30
Local clock offset: -6.754 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-03-06 20:11:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 114.209 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 114.272 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 114.202 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 97.244 ms
Loss rate: 0.14%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 18:39:50

End at: 2018-03-06 18:40:20

Local clock offset: -6.876 ms

Remote clock offset: 14.47 ms

Below is generated by plot.py at 2018-03-06 20:11:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 115.593 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 45.00 Mbit/s

95th percentile per-packet one-way delay: 115.952 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 19.21 Mbit/s

95th percentile per-packet one-way delay: 113.973 ms

Loss rate: 0.26%

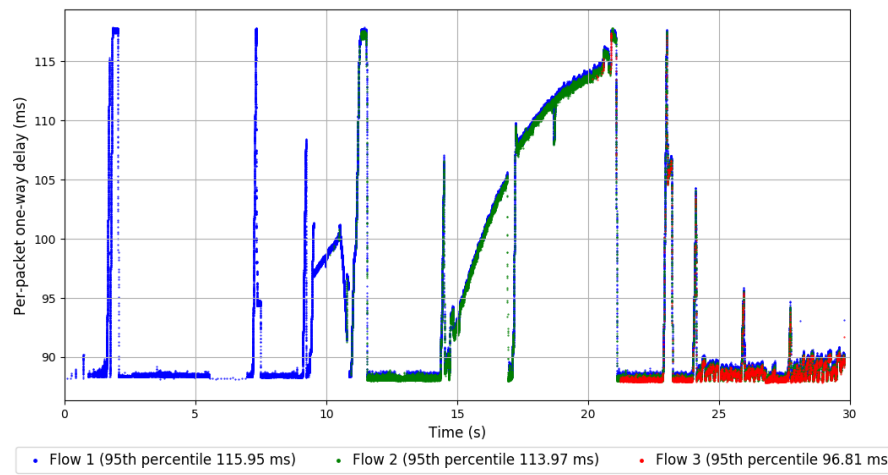
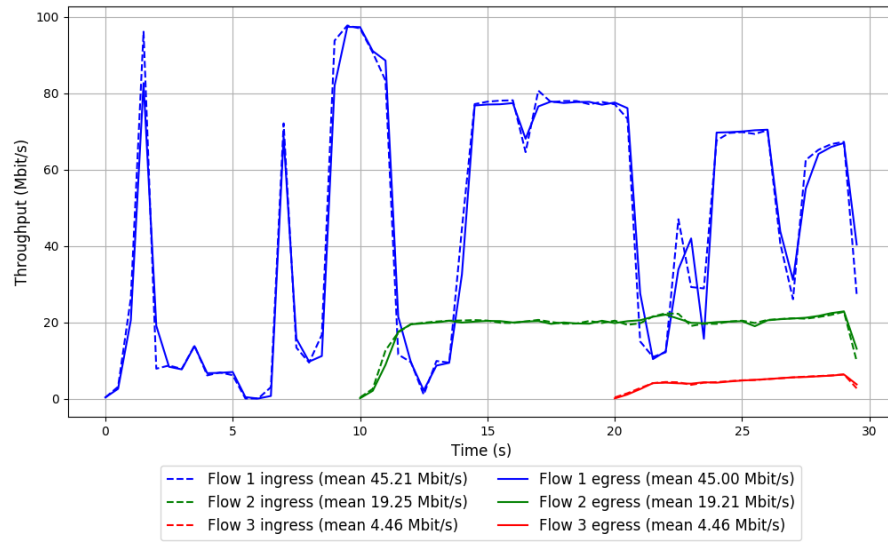
-- Flow 3:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 96.813 ms

Loss rate: 0.34%

Run 8: Report of QUIC Cubic — Data Link

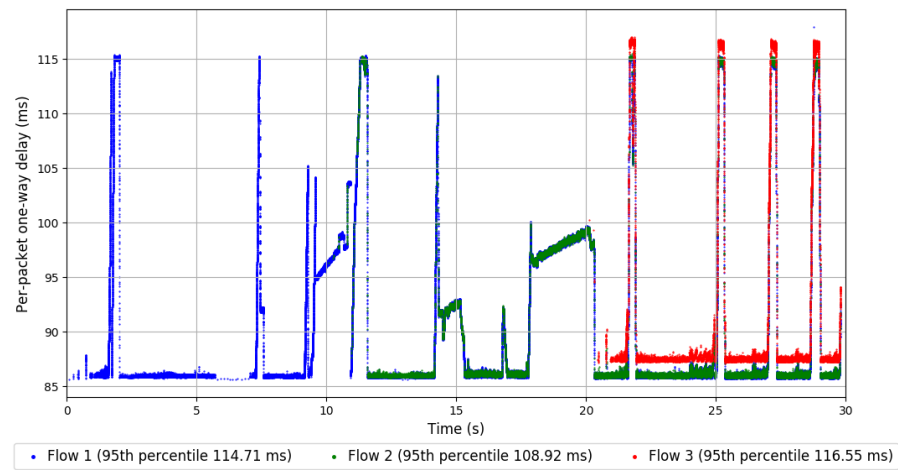
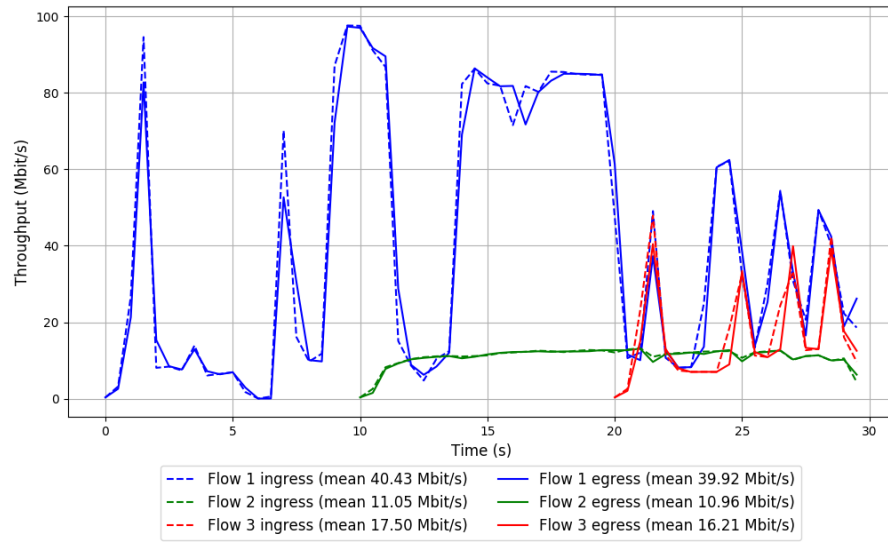


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 19:03:44
End at: 2018-03-06 19:04:14
Local clock offset: -6.025 ms
Remote clock offset: 19.598 ms

Below is generated by plot.py at 2018-03-06 20:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 114.942 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 114.711 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 108.923 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 116.554 ms
Loss rate: 7.42%

Run 9: Report of QUIC Cubic — Data Link

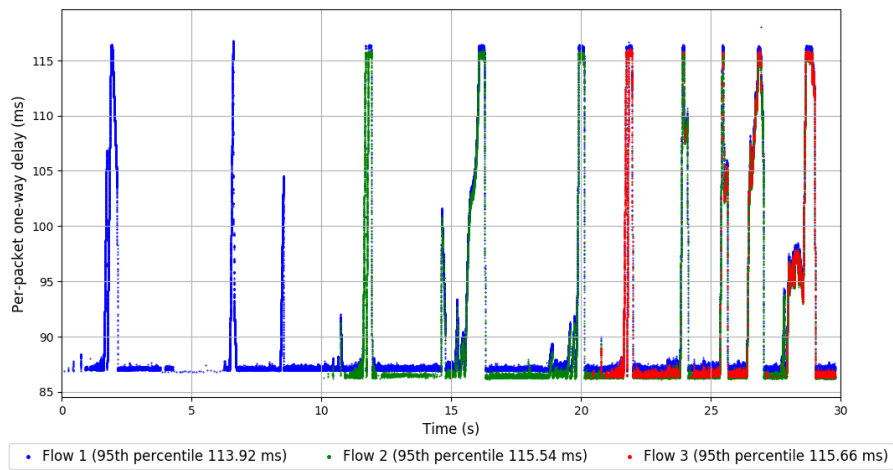
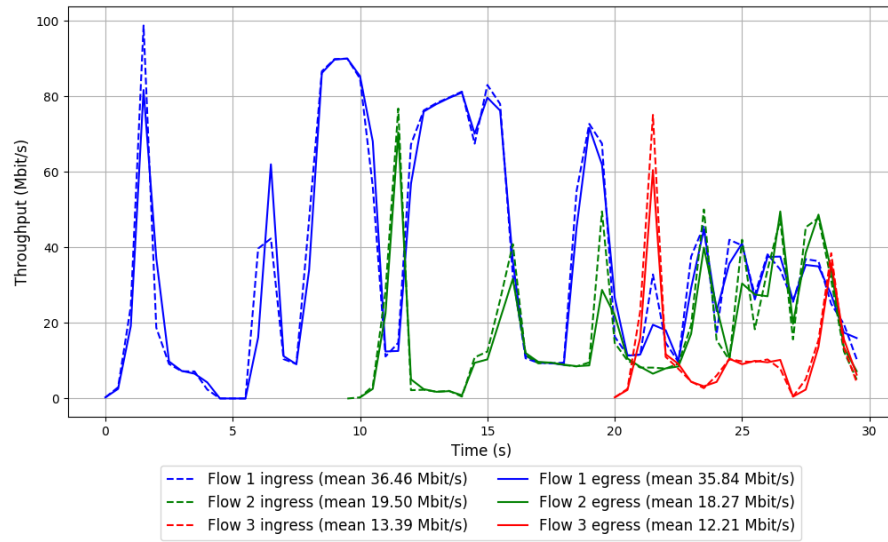


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 19:27:37
End at: 2018-03-06 19:28:07
Local clock offset: -6.292 ms
Remote clock offset: 25.596 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 115.524 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 113.918 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 115.543 ms
Loss rate: 6.30%
-- Flow 3:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 115.655 ms
Loss rate: 8.90%

Run 10: Report of QUIC Cubic — Data Link

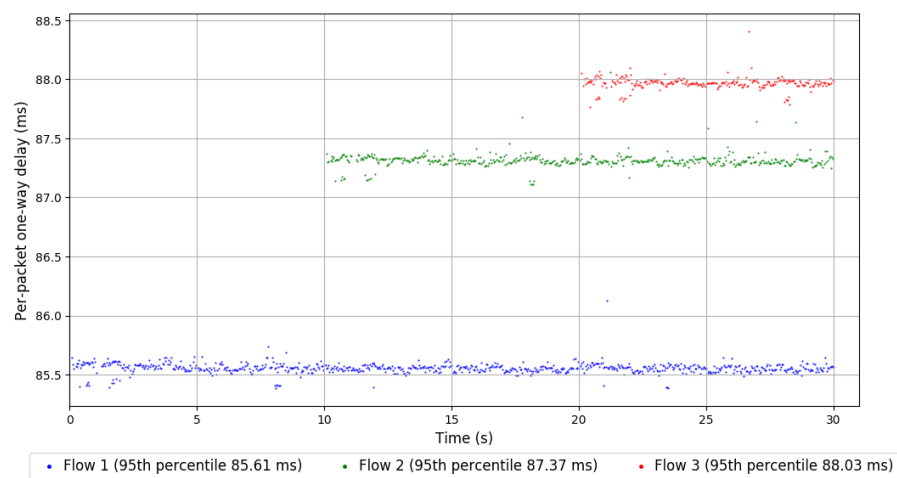
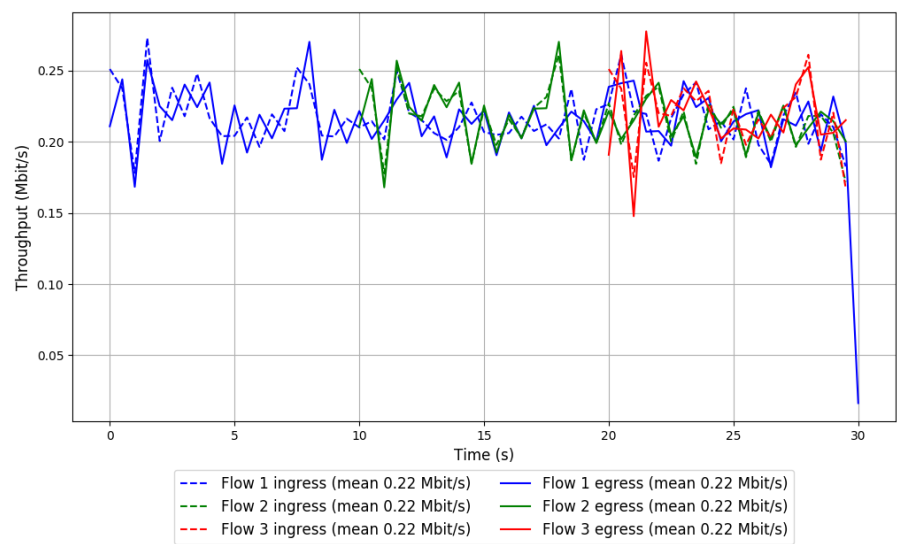


```
Run 1: Statistics of SReAM

Start at: 2018-03-06 15:56:40
End at: 2018-03-06 15:57:10
Local clock offset: -6.453 ms
Remote clock offset: -1.419 ms

# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.027 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

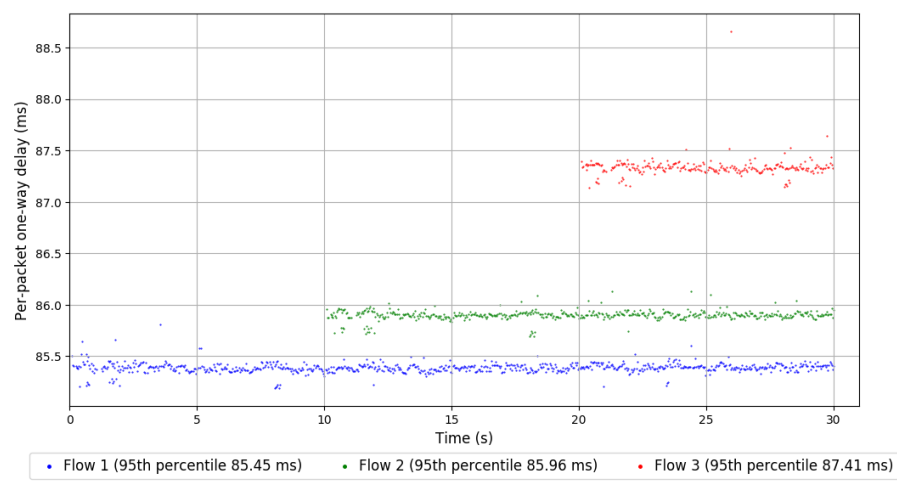
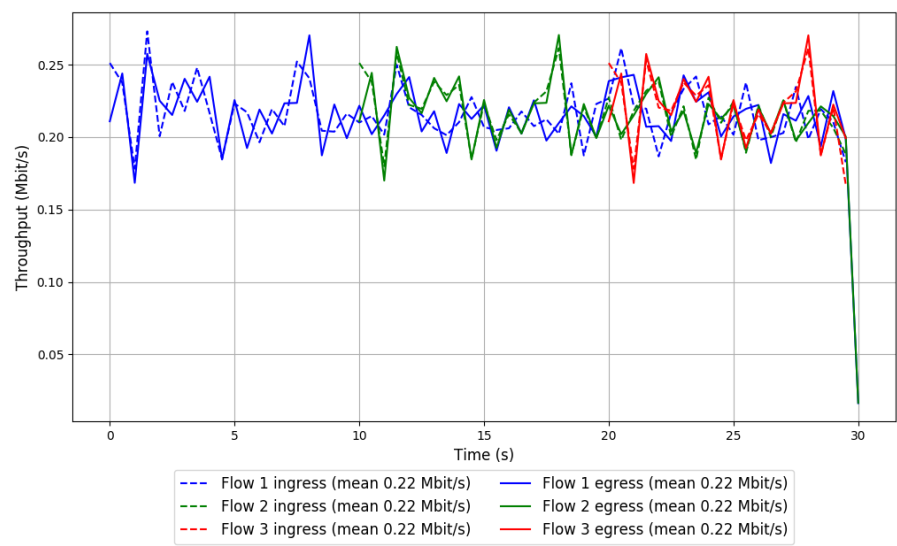


Run 2: Statistics of SReAM

Start at: 2018-03-06 16:20:26
End at: 2018-03-06 16:20:56
Local clock offset: -6.611 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.957 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.406 ms
Loss rate: 0.00%

Run 2: Report of SCRaM — Data Link

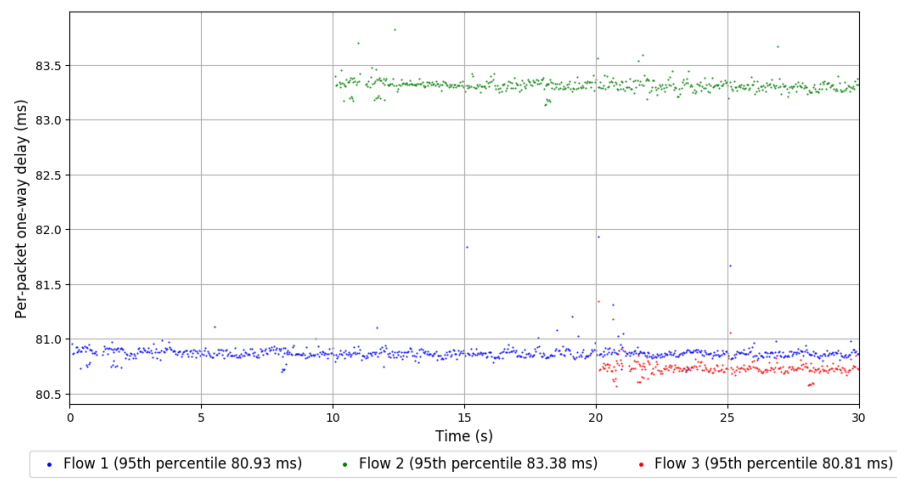
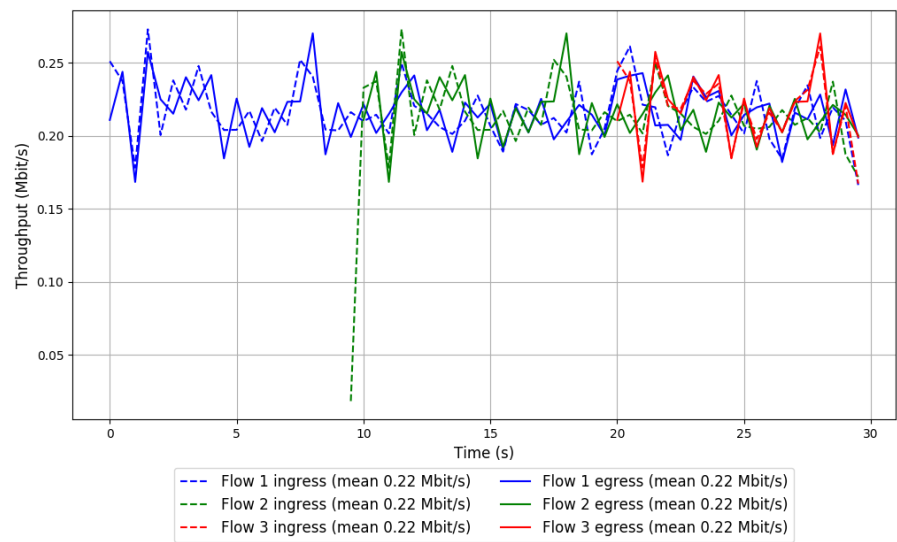


Run 3: Statistics of SReAM

Start at: 2018-03-06 16:44:09
End at: 2018-03-06 16:44:39
Local clock offset: -6.409 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.806 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

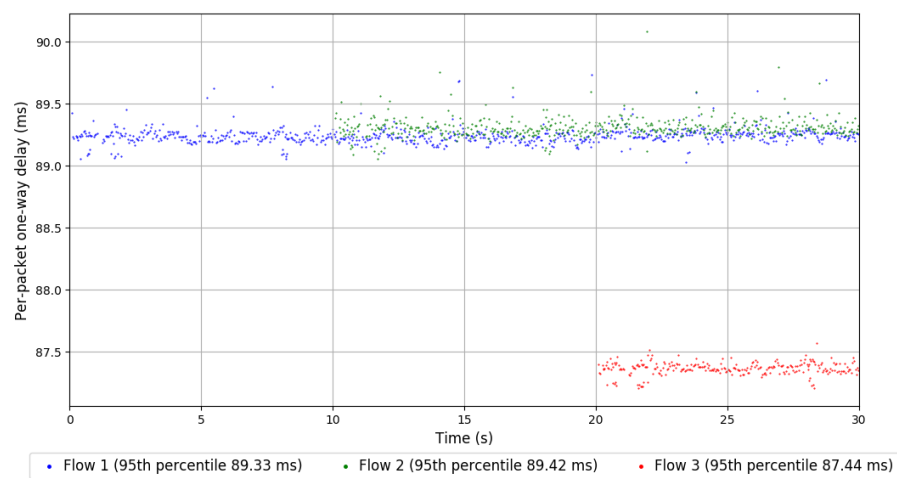
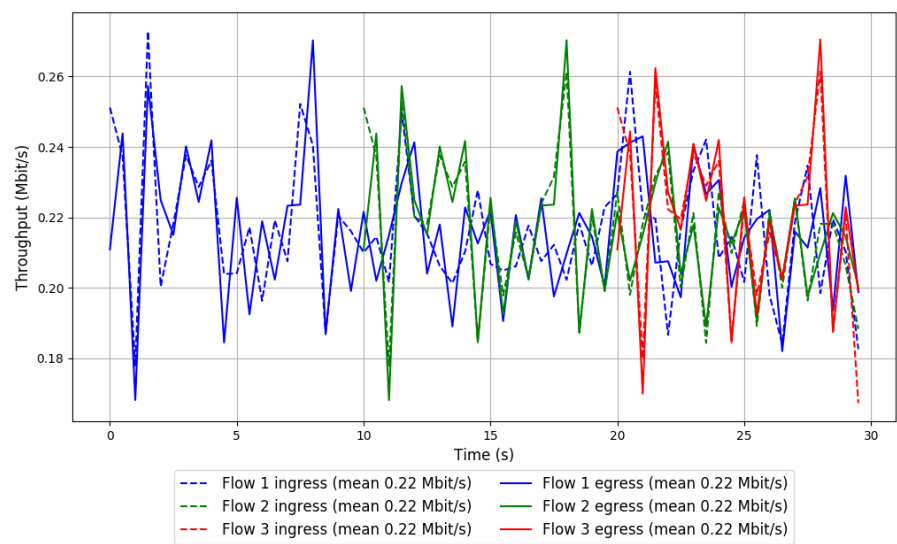


Run 4: Statistics of SReAM

Start at: 2018-03-06 17:07:45
End at: 2018-03-06 17:08:15
Local clock offset: -6.143 ms
Remote clock offset: 0.489 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 89.384 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.327 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.423 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.442 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

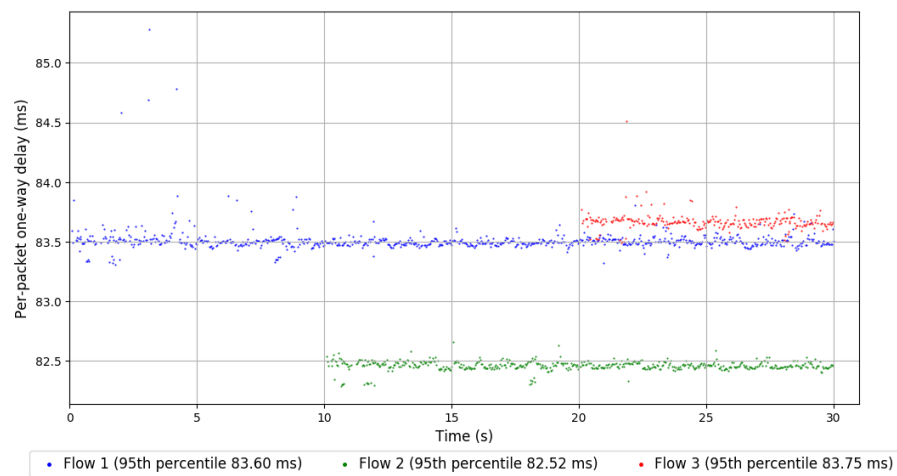
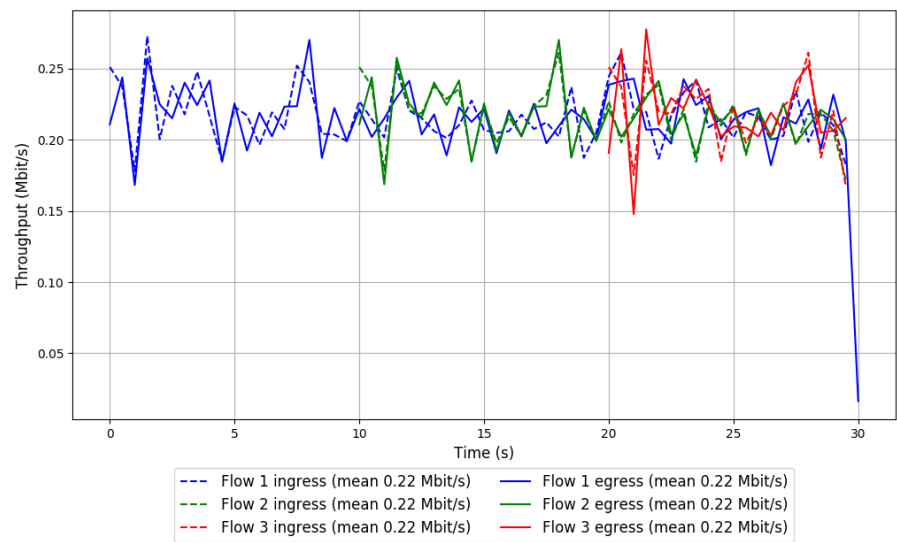


Run 5: Statistics of SReAM

Start at: 2018-03-06 17:31:11
End at: 2018-03-06 17:31:41
Local clock offset: -5.947 ms
Remote clock offset: -5.163 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 83.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.747 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-06 17:54:49

End at: 2018-03-06 17:55:19

Local clock offset: -6.679 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2018-03-06 20:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 89.930 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.964 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.898 ms

Loss rate: 0.00%

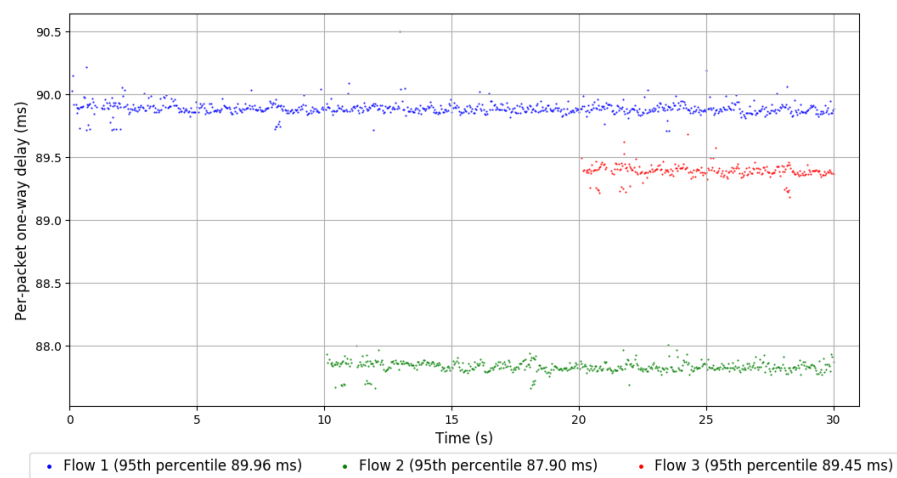
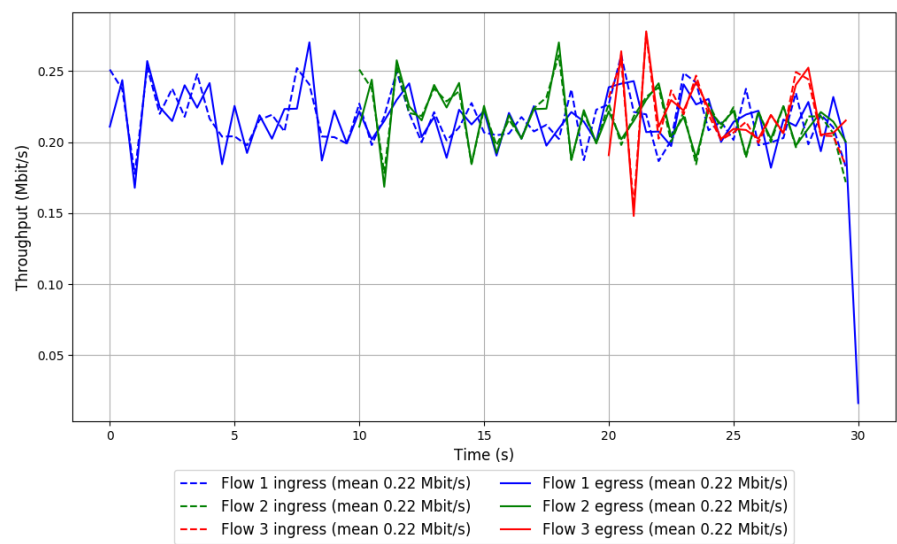
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.451 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

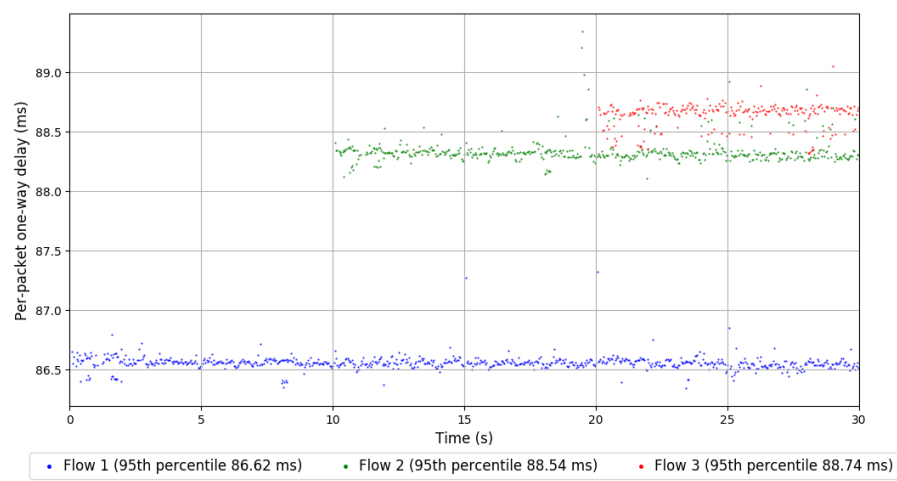
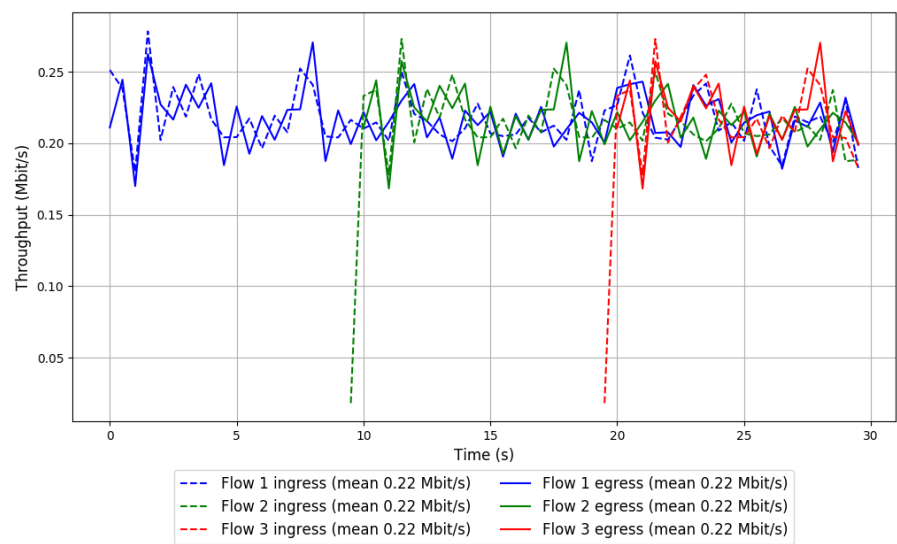


Run 7: Statistics of SReAM

Start at: 2018-03-06 18:18:39
End at: 2018-03-06 18:19:09
Local clock offset: -6.769 ms
Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.695 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.617 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.536 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.736 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-03-06 18:42:27

End at: 2018-03-06 18:42:57

Local clock offset: -6.841 ms

Remote clock offset: 9.747 ms

Below is generated by plot.py at 2018-03-06 20:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 83.161 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.572 ms

Loss rate: 0.00%

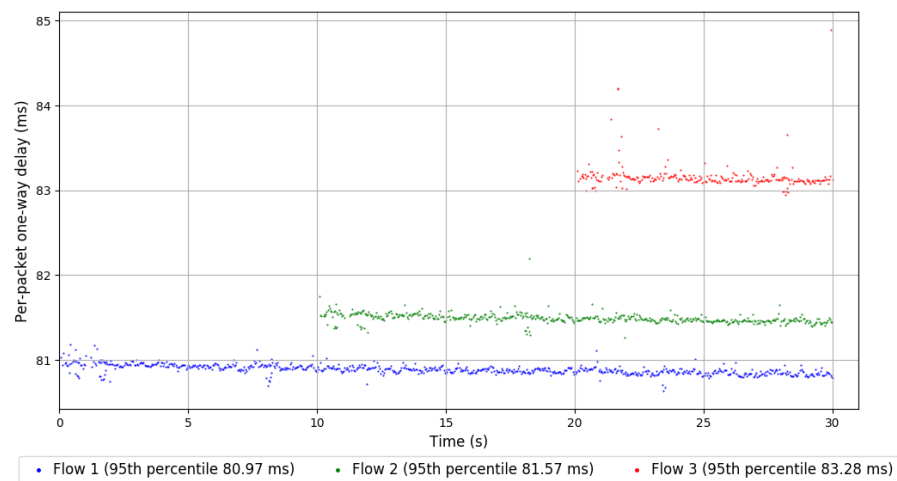
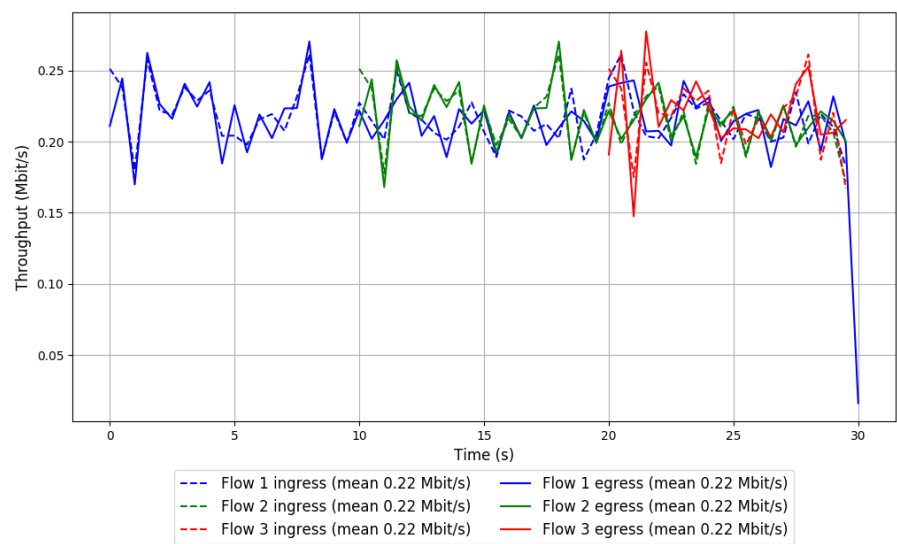
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.283 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

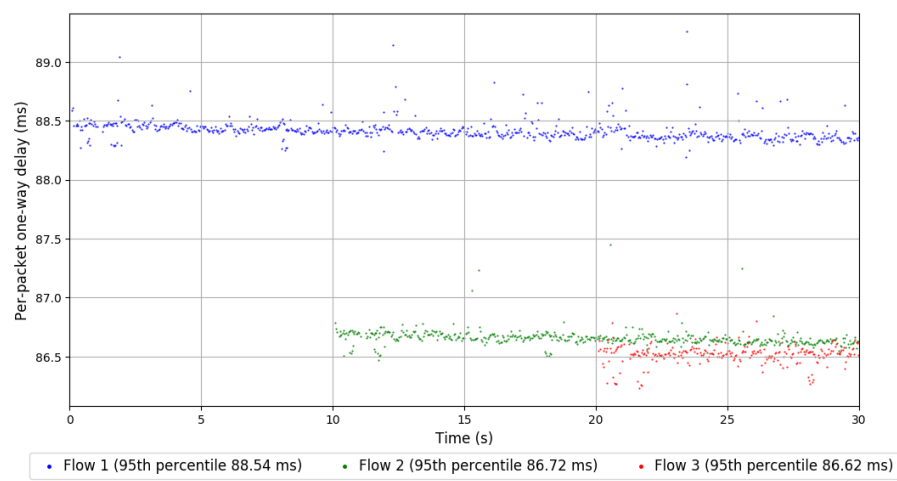
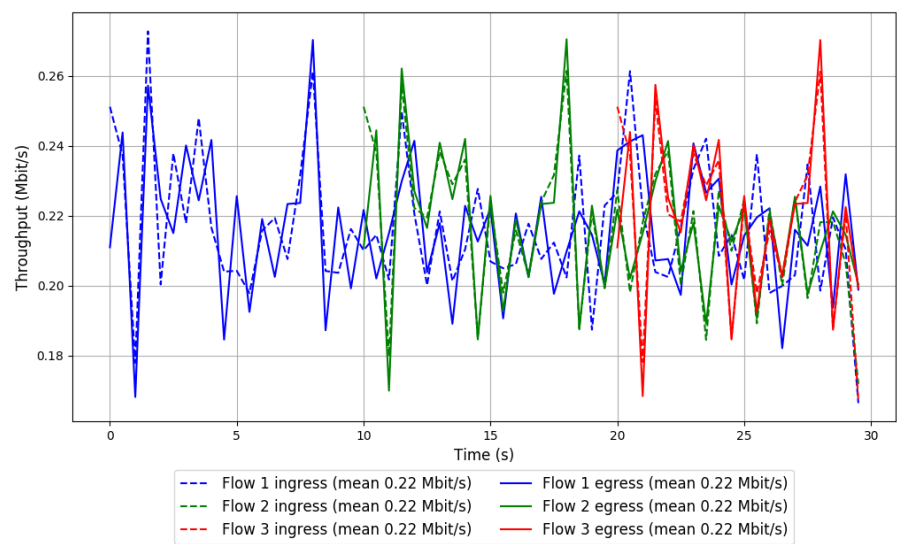


Run 9: Statistics of SReAM

Start at: 2018-03-06 19:06:20
End at: 2018-03-06 19:06:50
Local clock offset: -5.959 ms
Remote clock offset: 20.999 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

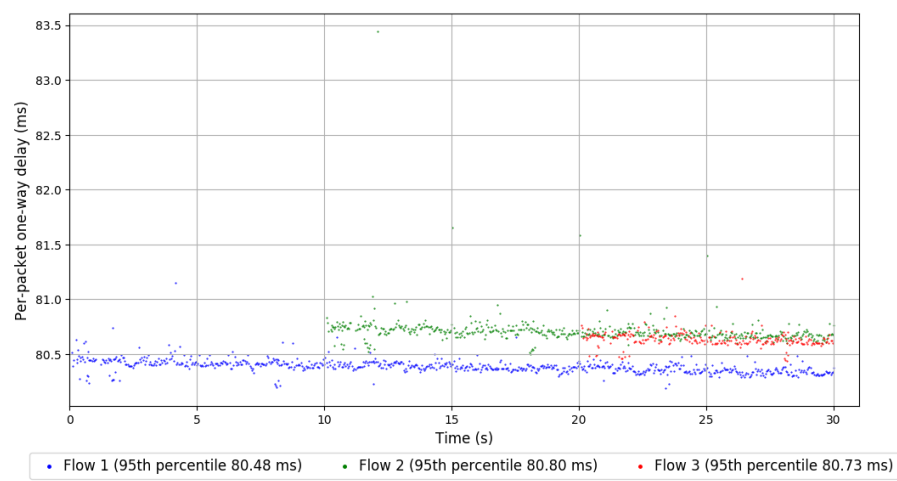
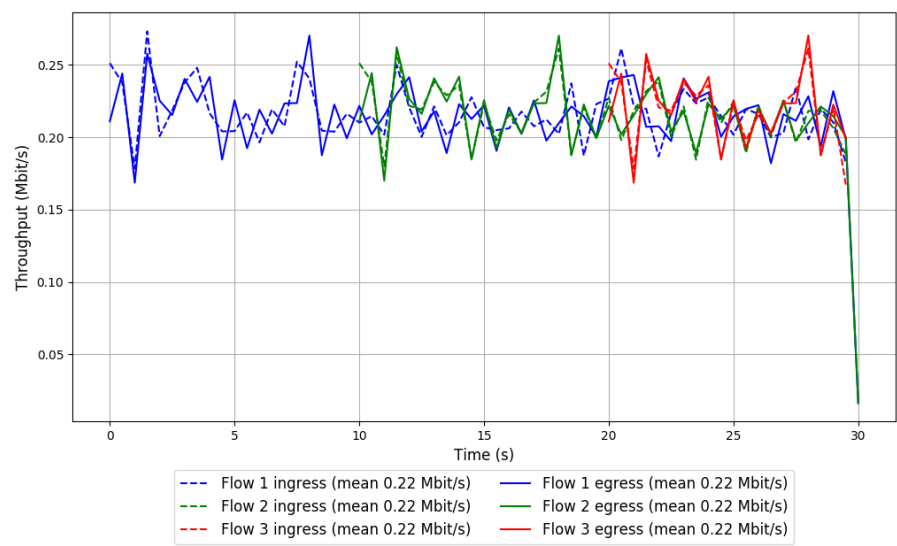


Run 10: Statistics of SReAM

Start at: 2018-03-06 19:30:14
End at: 2018-03-06 19:30:44
Local clock offset: -6.296 ms
Remote clock offset: 20.462 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 80.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.729 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

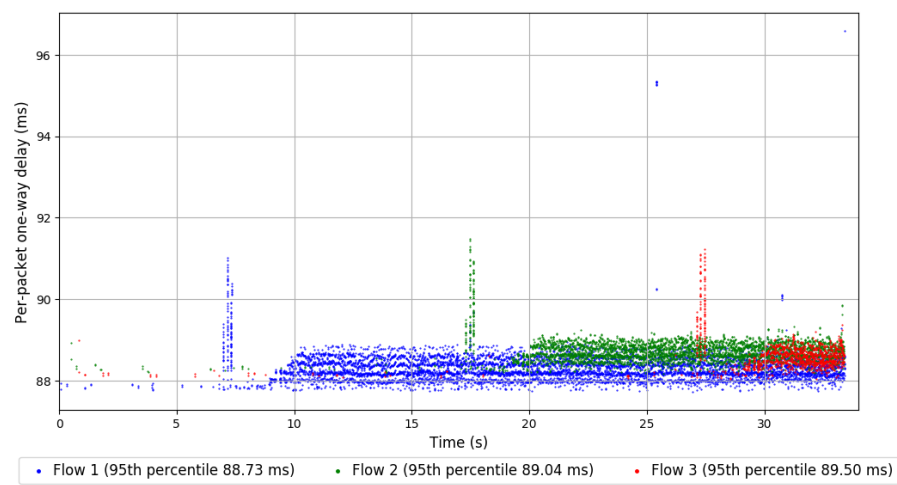
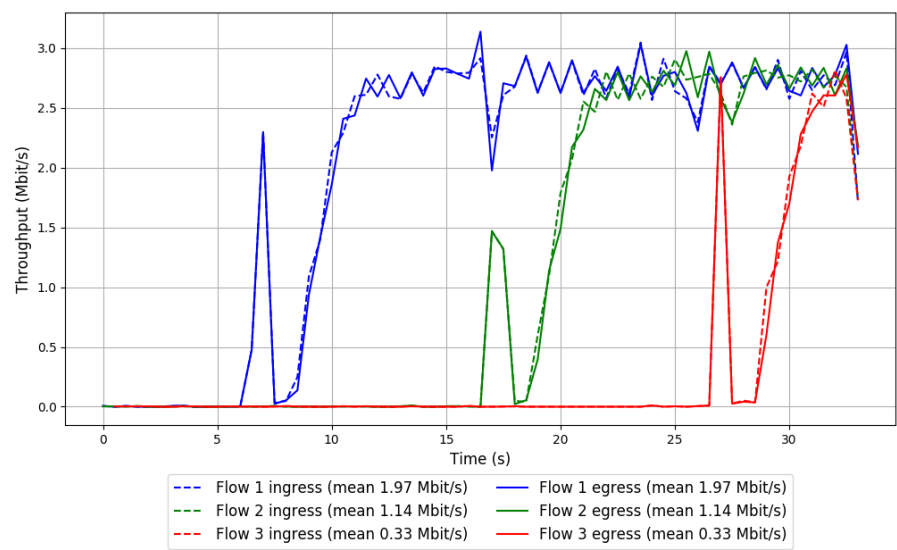


Run 1: Statistics of WebRTC media

Start at: 2018-03-06 16:03:06
End at: 2018-03-06 16:03:36
Local clock offset: -6.492 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 88.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 88.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 89.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 89.497 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

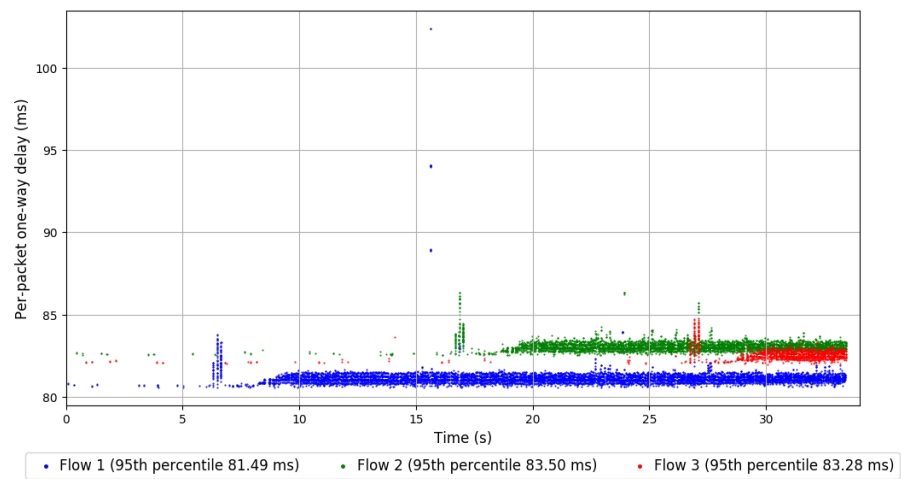
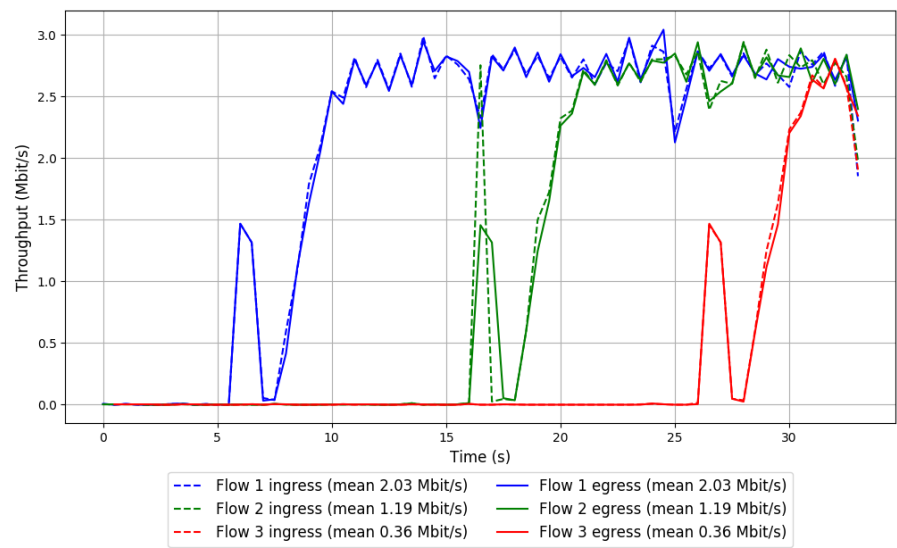


Run 2: Statistics of WebRTC media

Start at: 2018-03-06 16:26:51
End at: 2018-03-06 16:27:21
Local clock offset: -6.581 ms
Remote clock offset: -6.223 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 83.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 81.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 83.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 83.281 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

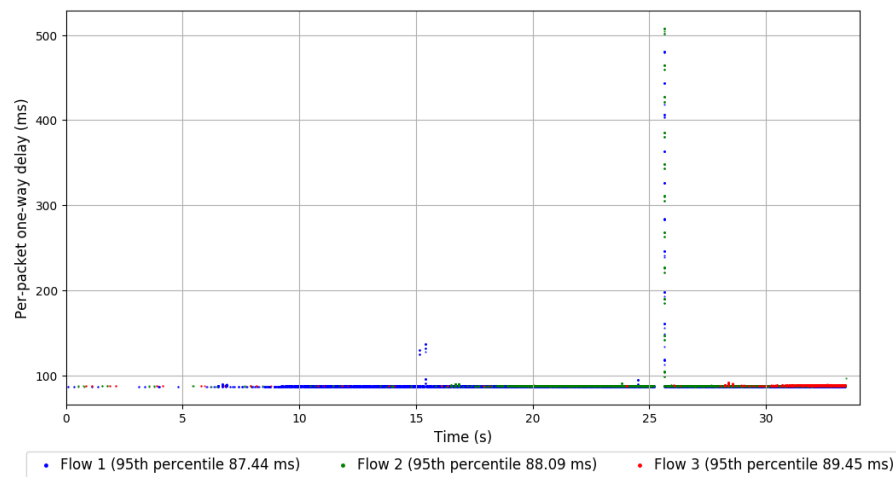
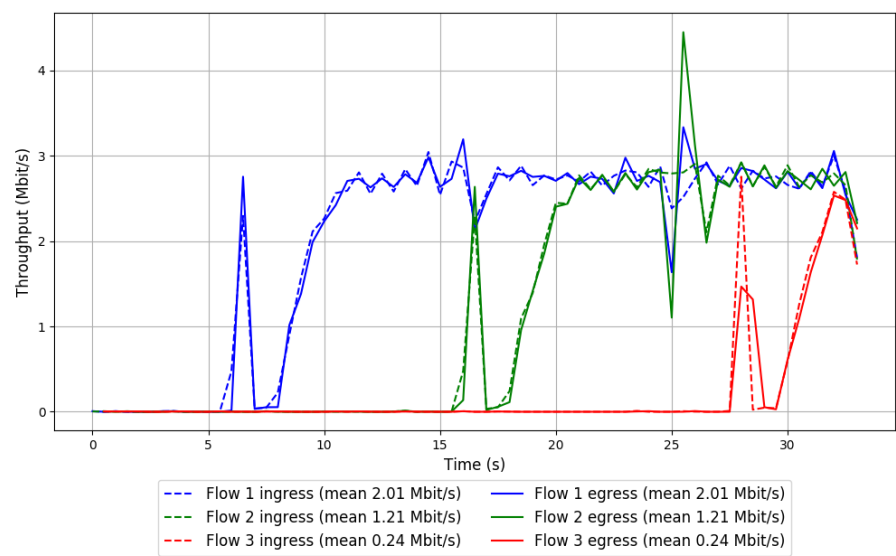


Run 3: Statistics of WebRTC media

Start at: 2018-03-06 16:50:35
End at: 2018-03-06 16:51:05
Local clock offset: -6.402 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 88.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 88.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 89.452 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-06 17:14:09

End at: 2018-03-06 17:14:39

Local clock offset: -6.111 ms

Remote clock offset: -6.03 ms

Below is generated by plot.py at 2018-03-06 20:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 83.042 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 81.900 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 82.542 ms

Loss rate: 0.00%

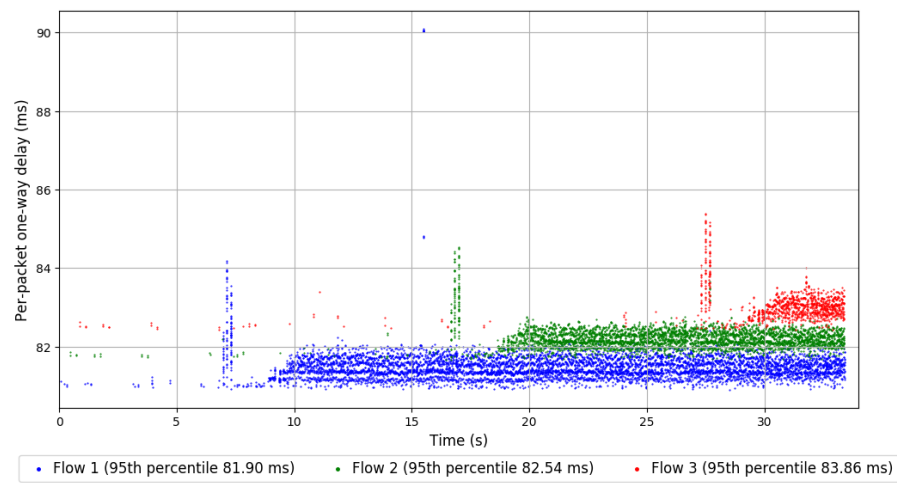
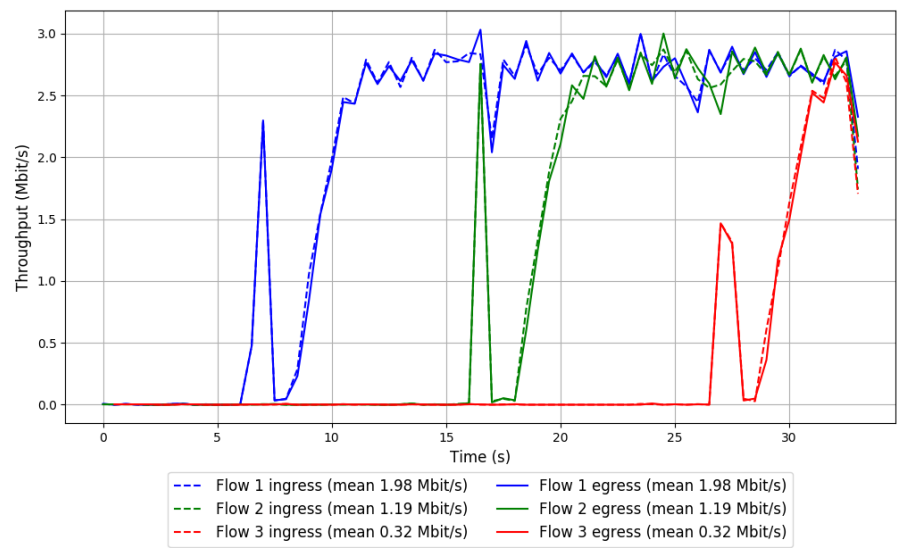
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 83.858 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-06 17:37:40

End at: 2018-03-06 17:38:10

Local clock offset: -6.16 ms

Remote clock offset: -5.93 ms

Below is generated by plot.py at 2018-03-06 20:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 83.698 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 83.656 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 83.309 ms

Loss rate: 0.00%

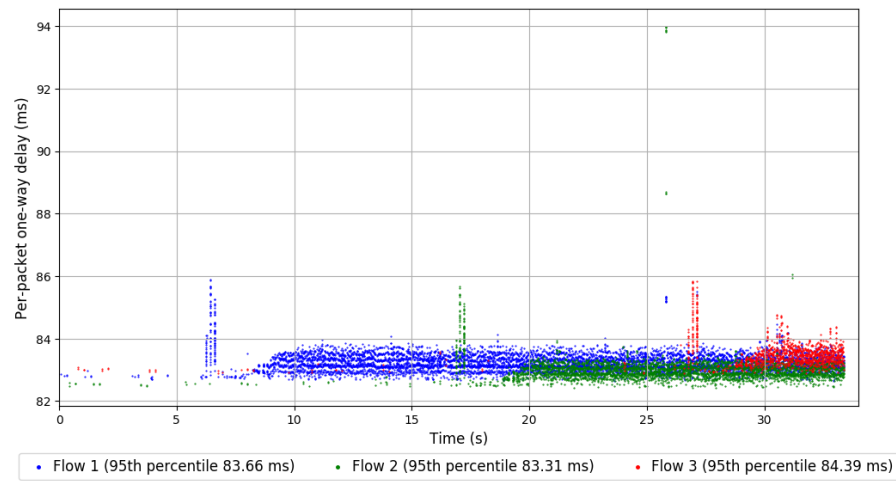
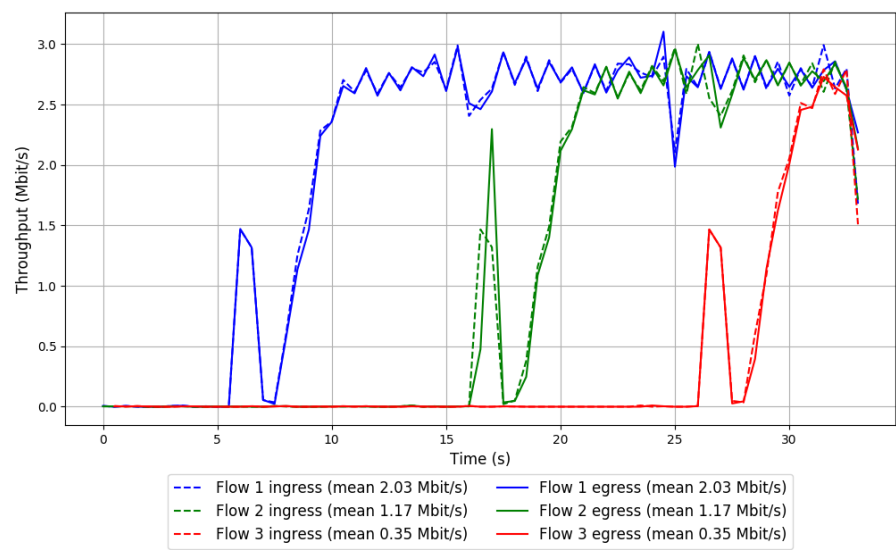
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.385 ms

Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

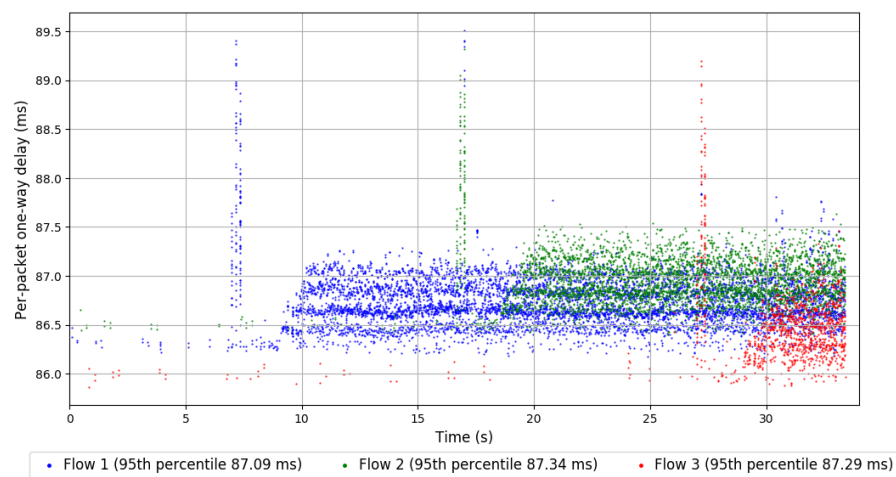
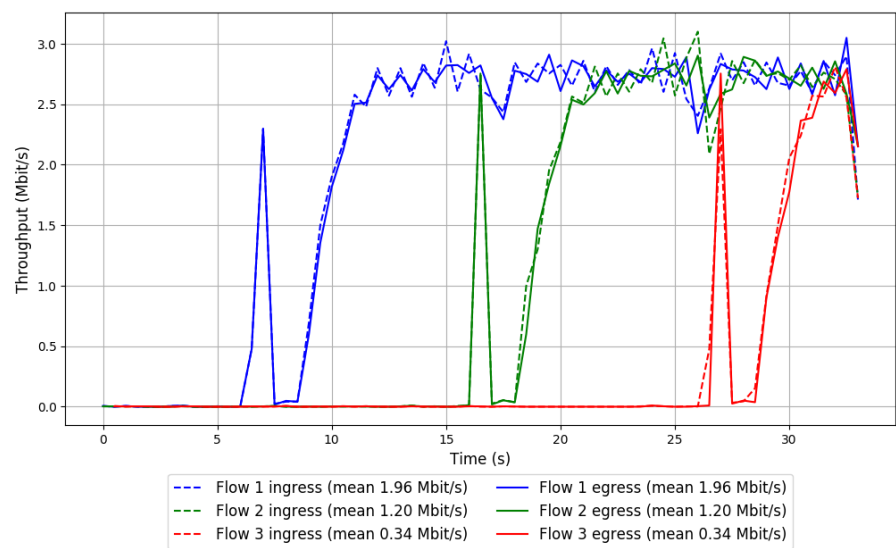


Run 6: Statistics of WebRTC media

Start at: 2018-03-06 18:01:14
End at: 2018-03-06 18:01:44
Local clock offset: -6.678 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 87.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 87.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 87.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 87.289 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

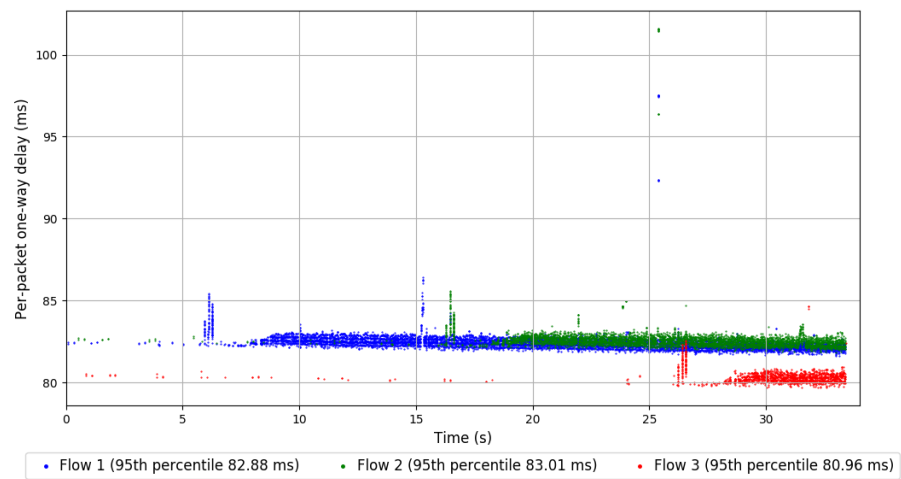
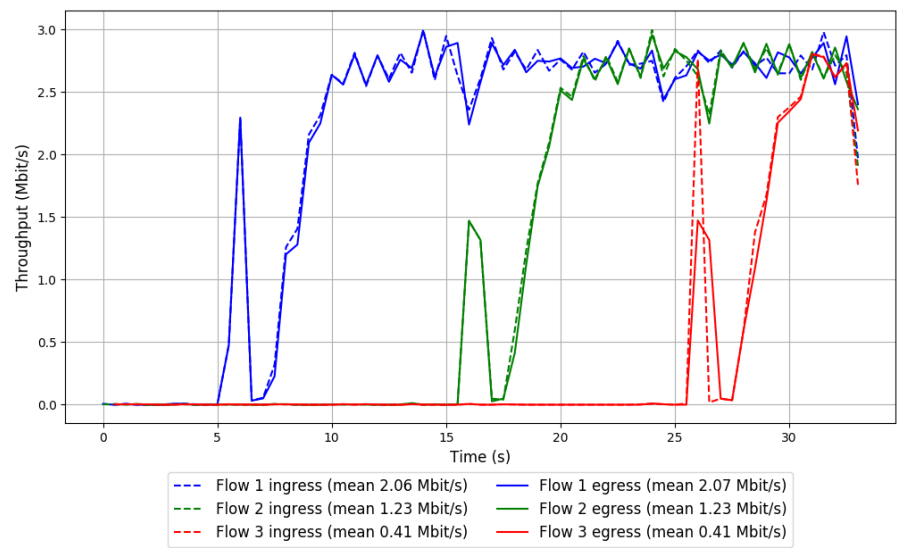


Run 7: Statistics of WebRTC media

Start at: 2018-03-06 18:25:06
End at: 2018-03-06 18:25:36
Local clock offset: -6.848 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 82.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 82.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 83.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 80.959 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

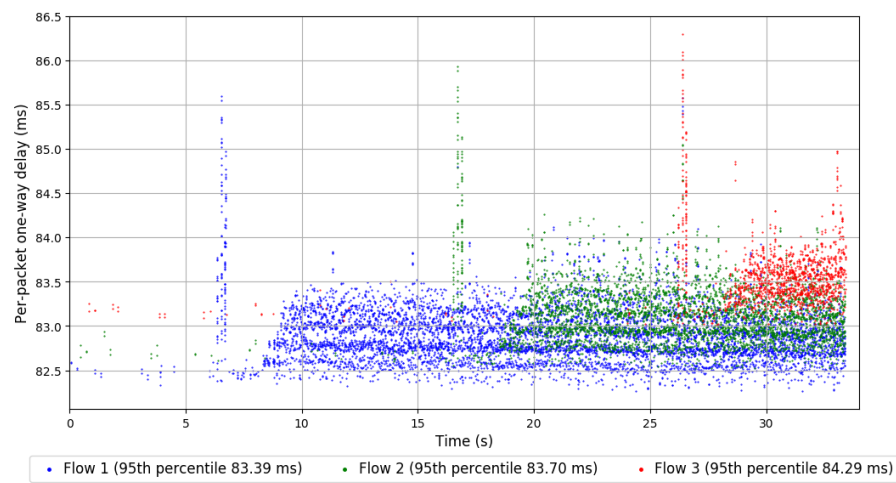
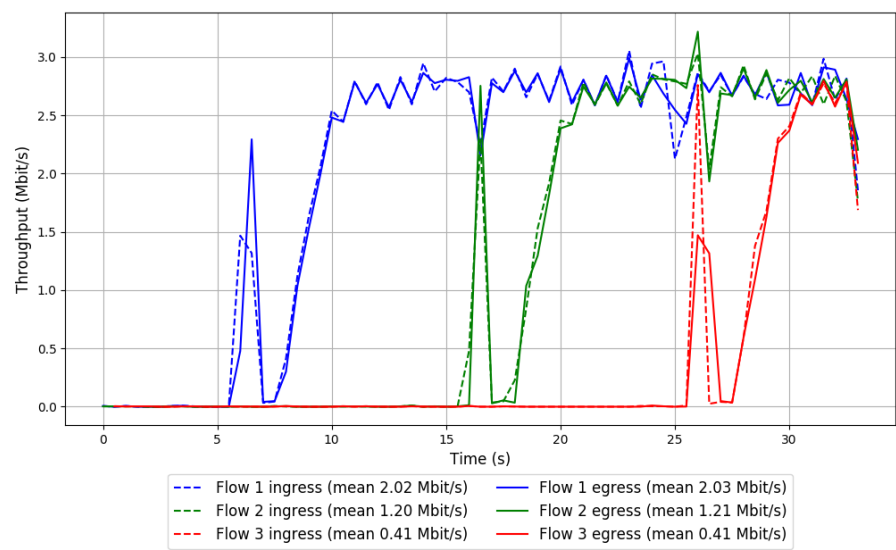


Run 8: Statistics of WebRTC media

Start at: 2018-03-06 18:48:54
End at: 2018-03-06 18:49:24
Local clock offset: -6.45 ms
Remote clock offset: 11.513 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 83.727 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 83.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 83.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 84.287 ms
Loss rate: 0.07%

Run 8: Report of WebRTC media — Data Link

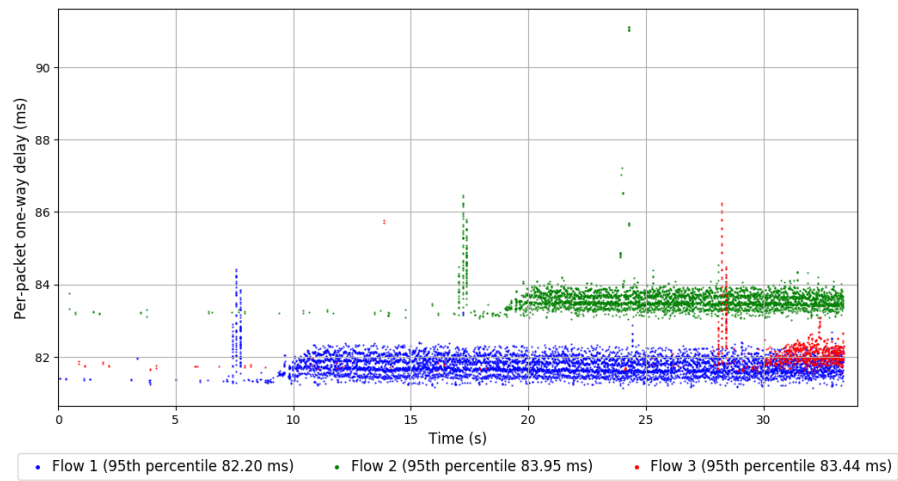
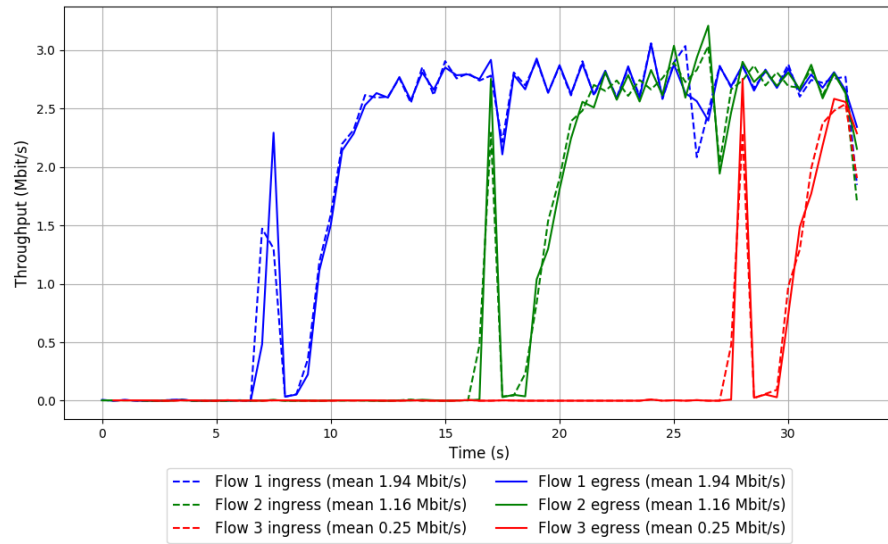


Run 9: Statistics of WebRTC media

Start at: 2018-03-06 19:12:46
End at: 2018-03-06 19:13:16
Local clock offset: -5.874 ms
Remote clock offset: 17.584 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 83.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 82.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 83.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 83.441 ms
Loss rate: 0.12%

Run 9: Report of WebRTC media — Data Link

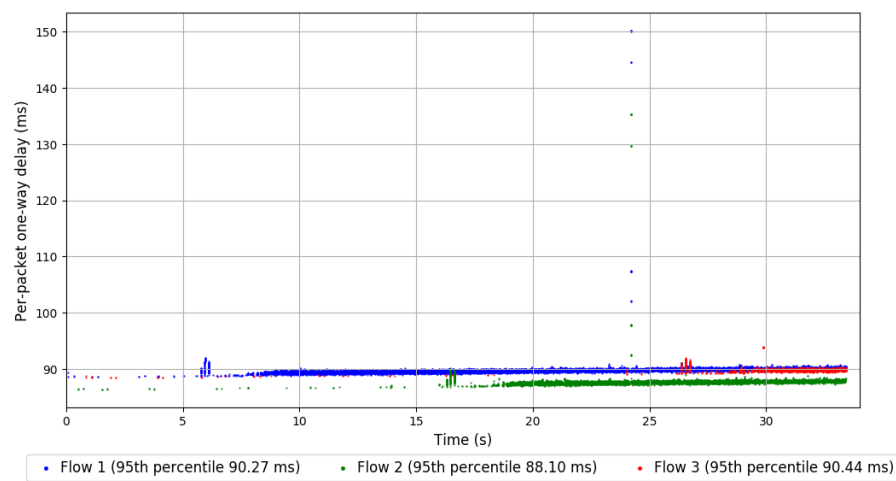
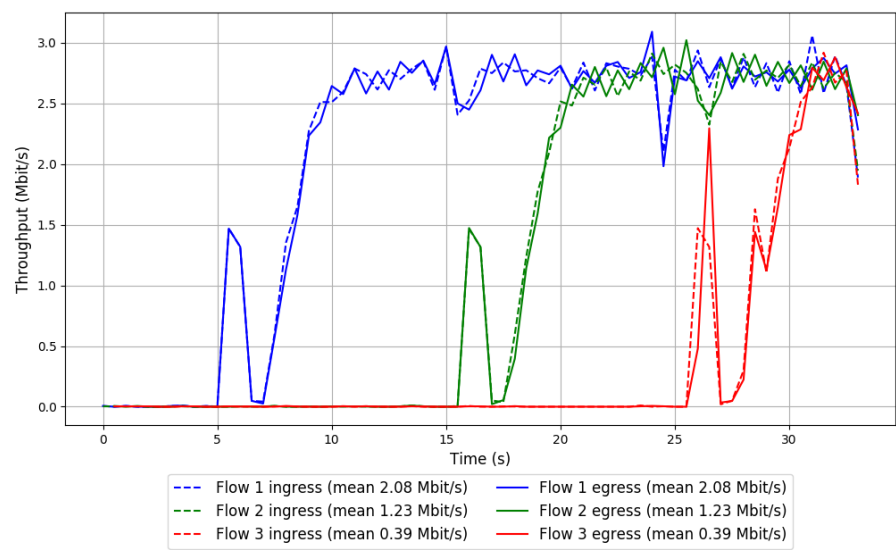


Run 10: Statistics of WebRTC media

Start at: 2018-03-06 19:36:40
End at: 2018-03-06 19:37:10
Local clock offset: -5.123 ms
Remote clock offset: 13.685 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 90.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 90.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 88.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 90.438 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

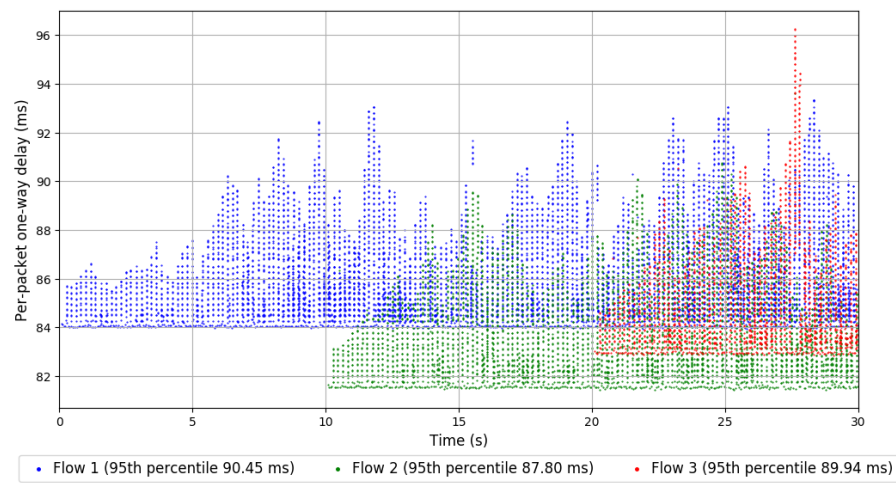
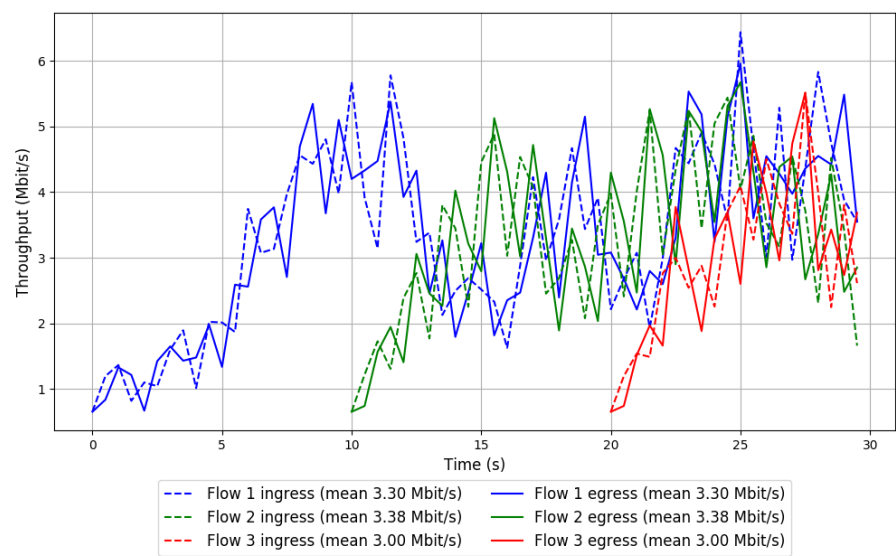


Run 1: Statistics of Sprout

Start at: 2018-03-06 16:01:52
End at: 2018-03-06 16:02:22
Local clock offset: -6.491 ms
Remote clock offset: -5.157 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 89.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 90.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 87.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 89.941 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

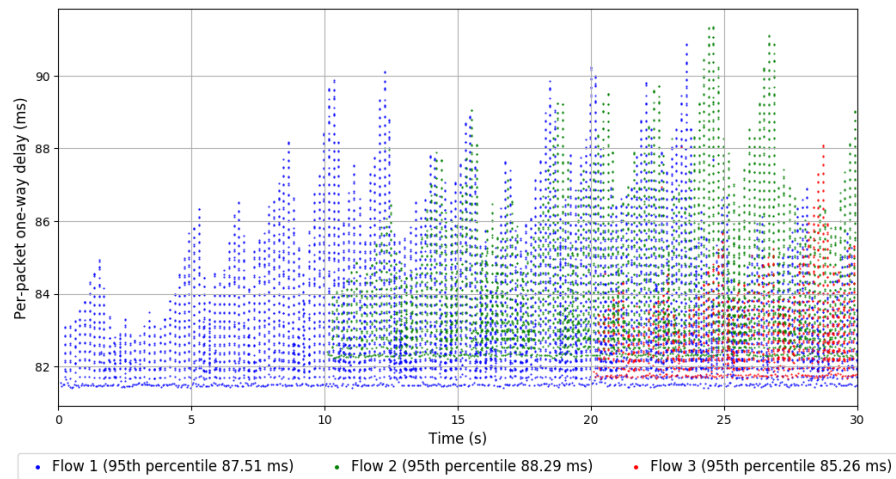
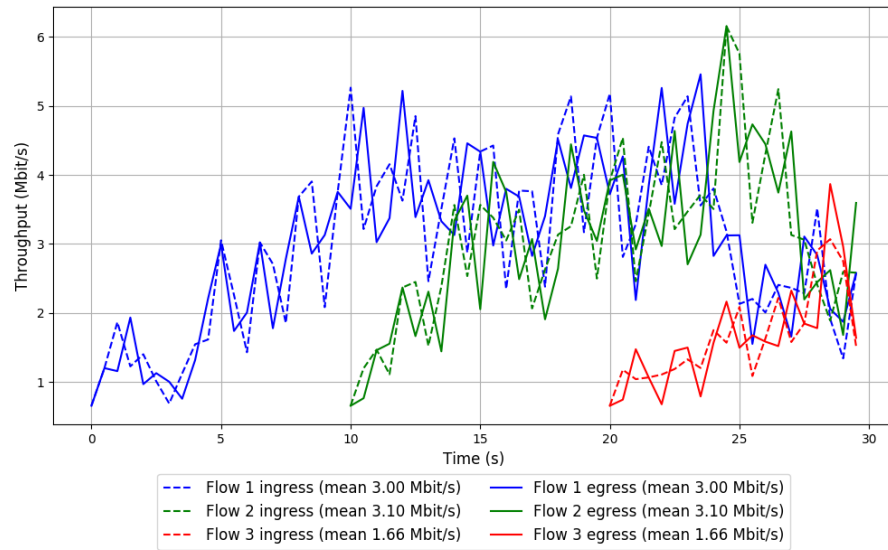


Run 2: Statistics of Sprout

Start at: 2018-03-06 16:25:37
End at: 2018-03-06 16:26:07
Local clock offset: -6.591 ms
Remote clock offset: -5.298 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 87.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 87.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 88.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 85.263 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

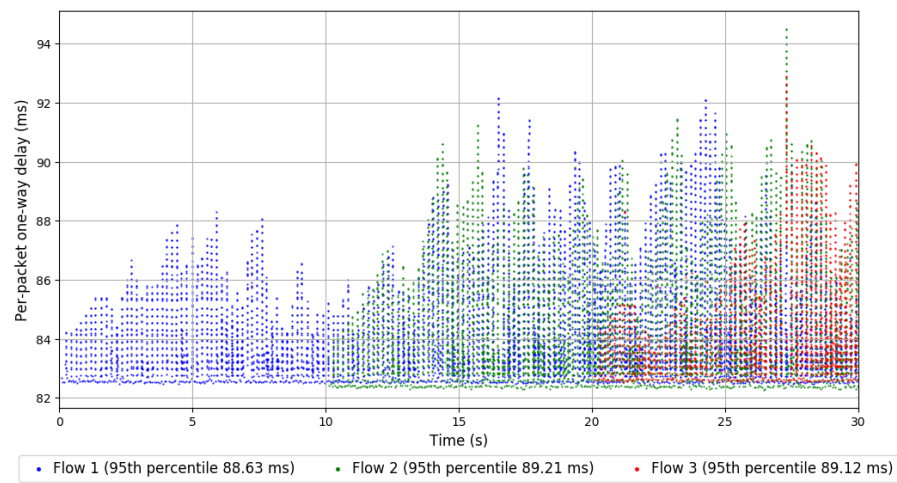
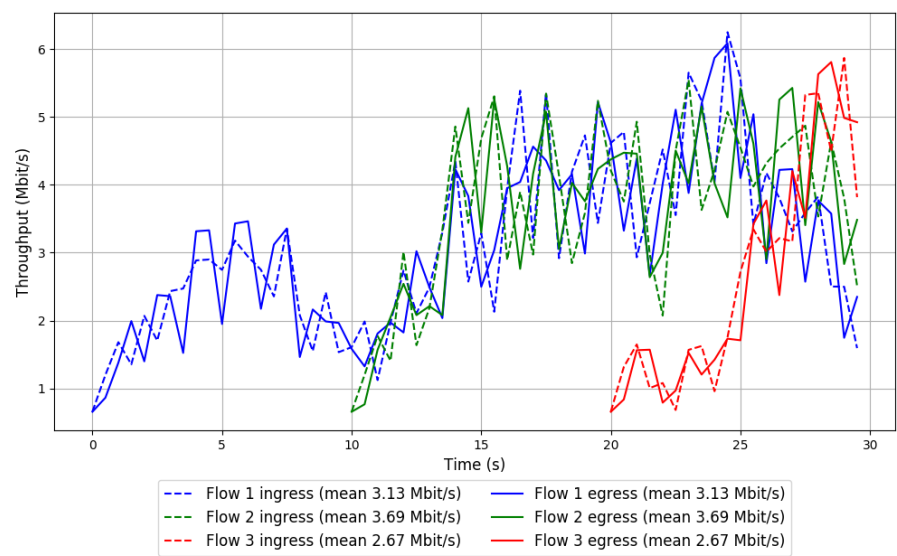


Run 3: Statistics of Sprout

Start at: 2018-03-06 16:49:21
End at: 2018-03-06 16:49:51
Local clock offset: -6.401 ms
Remote clock offset: -6.033 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 88.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 88.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 89.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 89.125 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

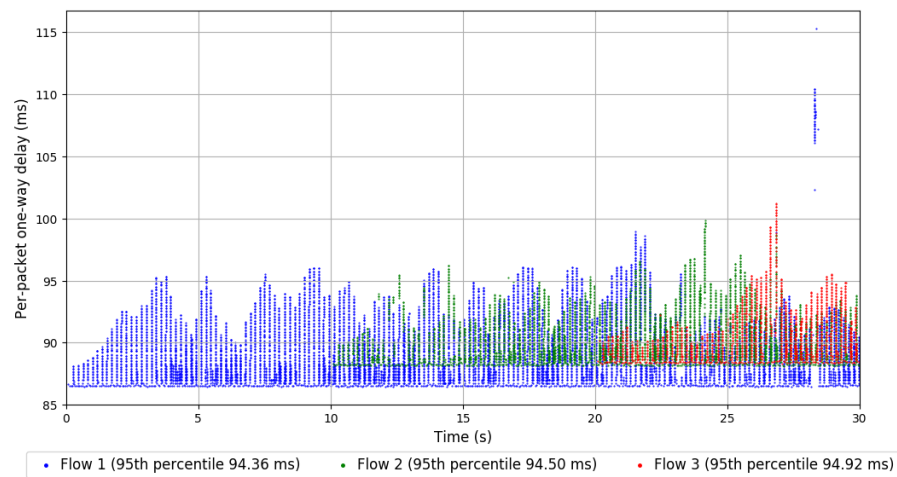
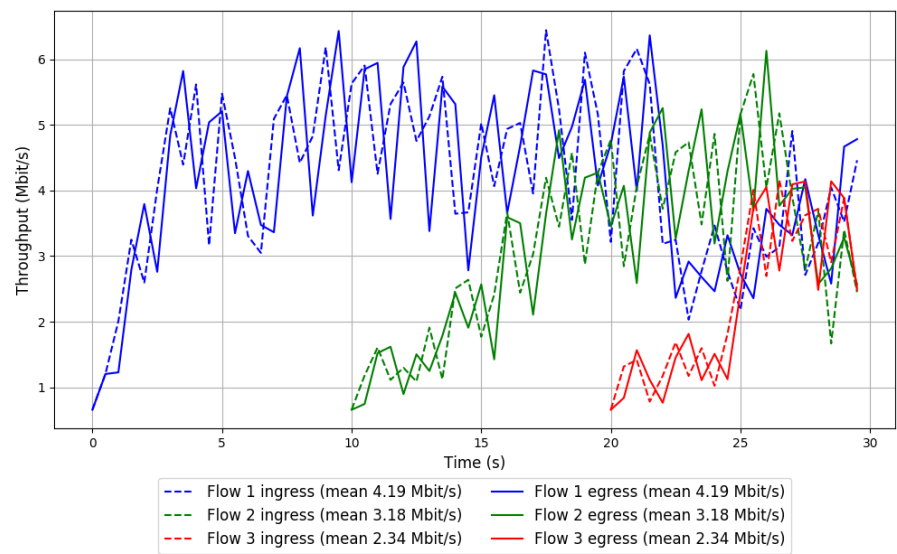


Run 4: Statistics of Sprout

Start at: 2018-03-06 17:12:55
End at: 2018-03-06 17:13:25
Local clock offset: -6.037 ms
Remote clock offset: -0.435 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 94.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 94.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 94.501 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 94.919 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

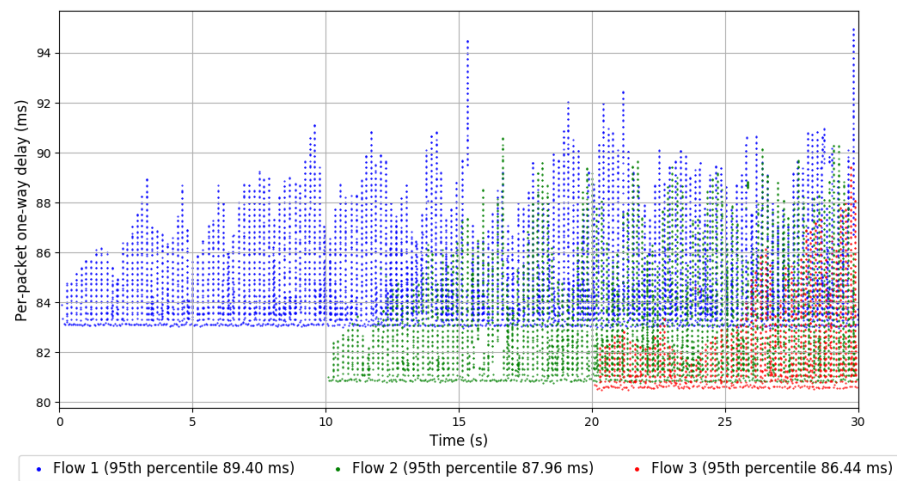
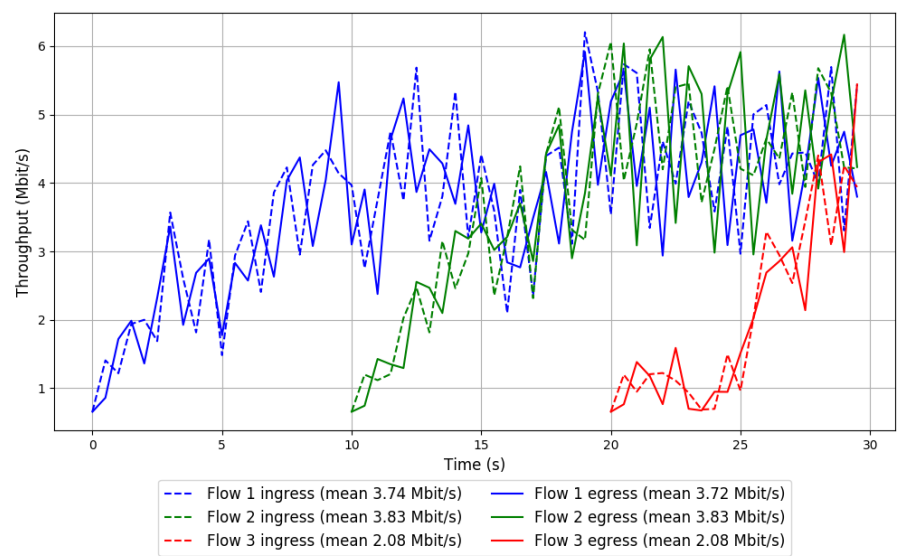


Run 5: Statistics of Sprout

Start at: 2018-03-06 17:36:26
End at: 2018-03-06 17:36:56
Local clock offset: -6.01 ms
Remote clock offset: -5.975 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 88.826 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 89.396 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 87.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

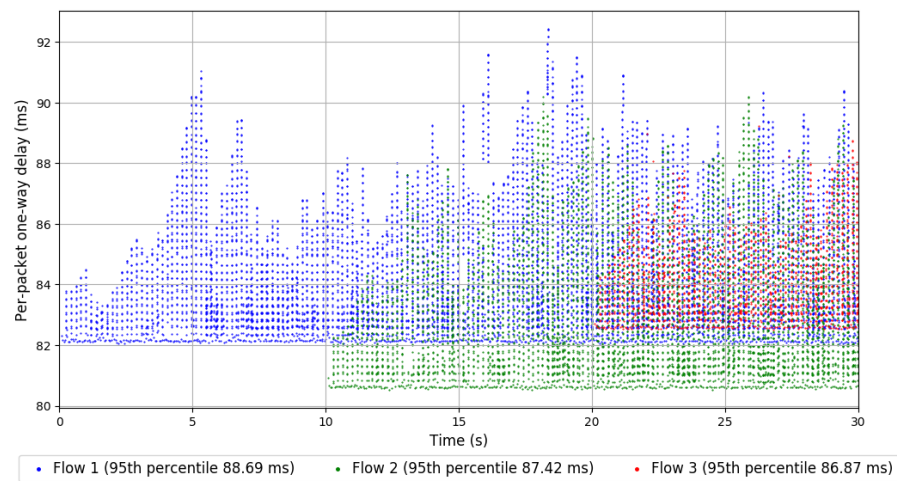
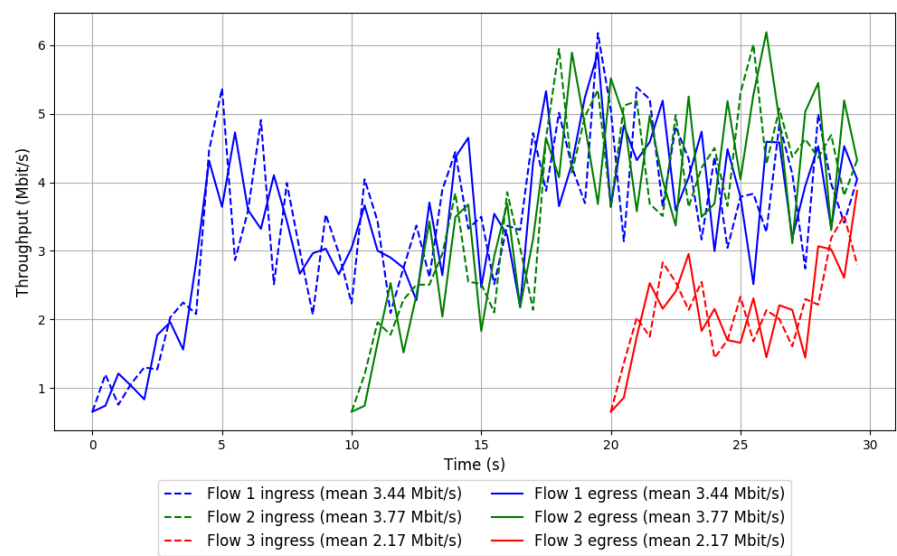


Run 6: Statistics of Sprout

Start at: 2018-03-06 18:00:00
End at: 2018-03-06 18:00:30
Local clock offset: -6.737 ms
Remote clock offset: -5.875 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 88.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 88.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 87.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

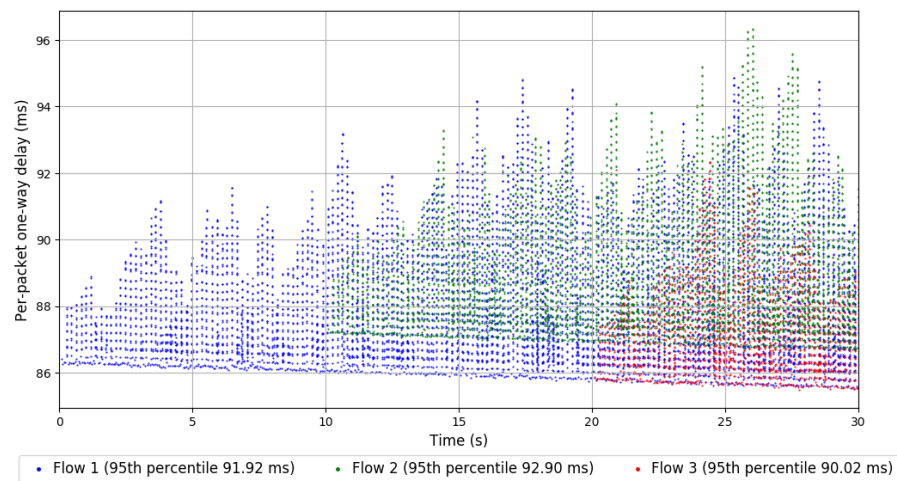
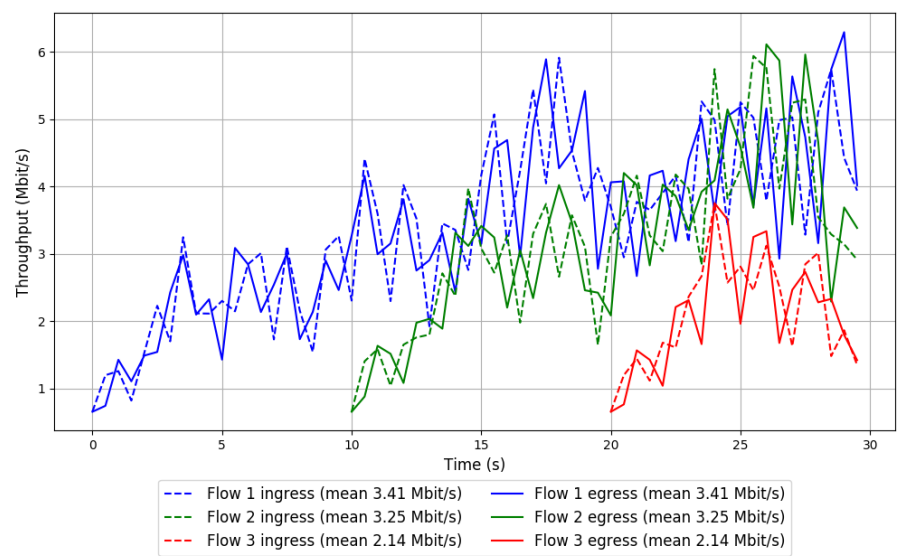


Run 7: Statistics of Sprout

Start at: 2018-03-06 18:23:52
End at: 2018-03-06 18:24:22
Local clock offset: -6.844 ms
Remote clock offset: 1.608 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 92.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 91.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 92.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

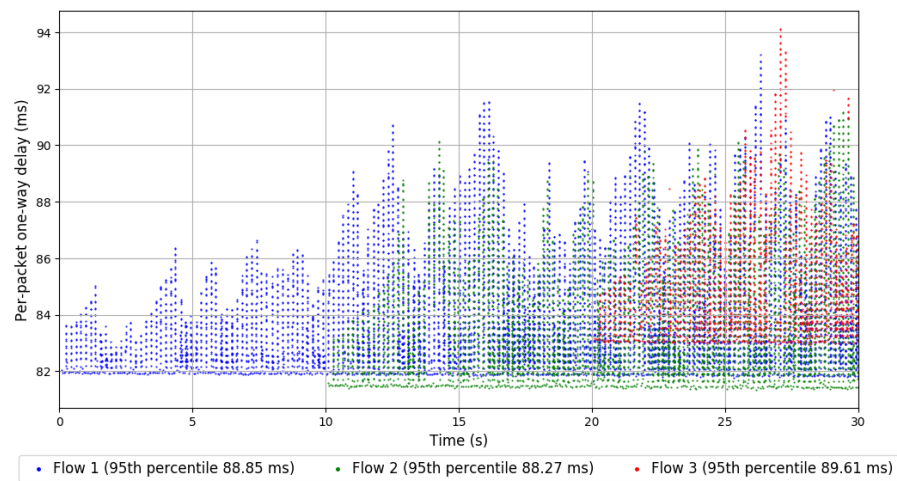
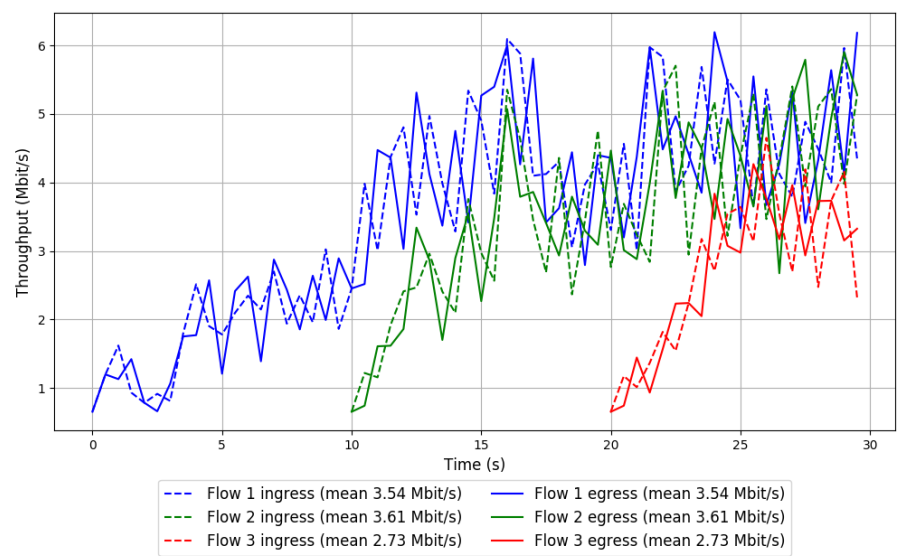


Run 8: Statistics of Sprout

Start at: 2018-03-06 18:47:40
End at: 2018-03-06 18:48:10
Local clock offset: -6.512 ms
Remote clock offset: 12.039 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 88.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 88.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 88.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 89.606 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

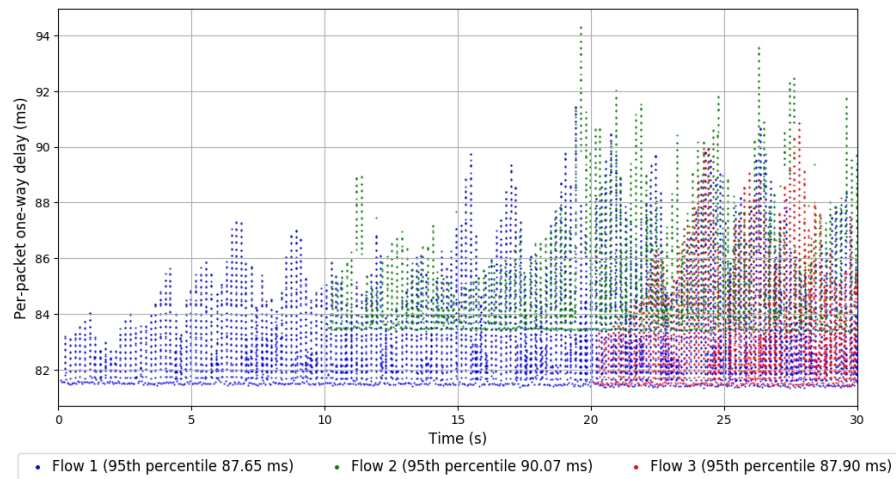
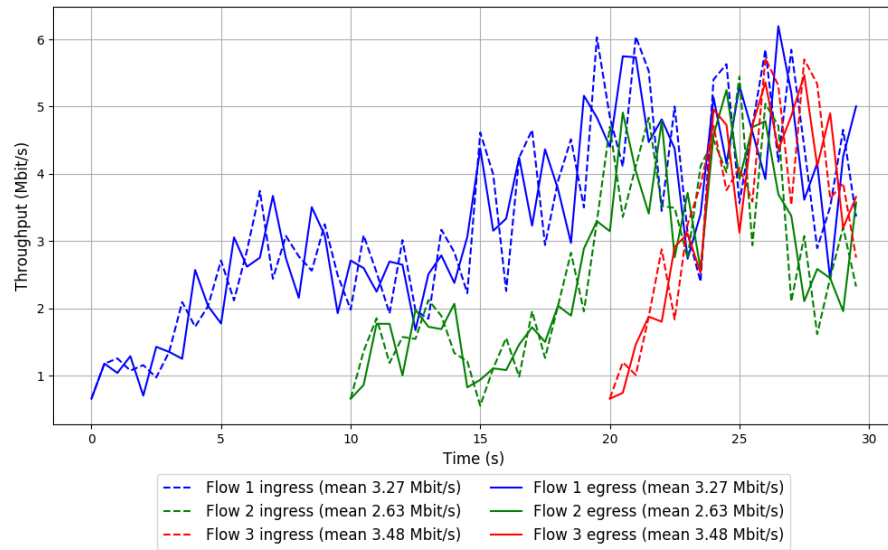


Run 9: Statistics of Sprout

Start at: 2018-03-06 19:11:32
End at: 2018-03-06 19:12:02
Local clock offset: -5.906 ms
Remote clock offset: 17.358 ms

```
# Below is generated by plot.py at 2018-03-06 20:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 88.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 87.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 90.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 87.903 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

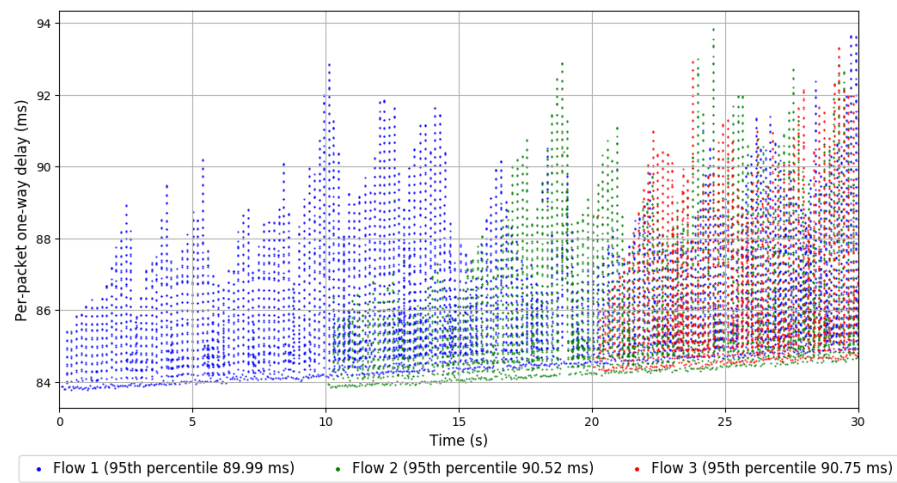
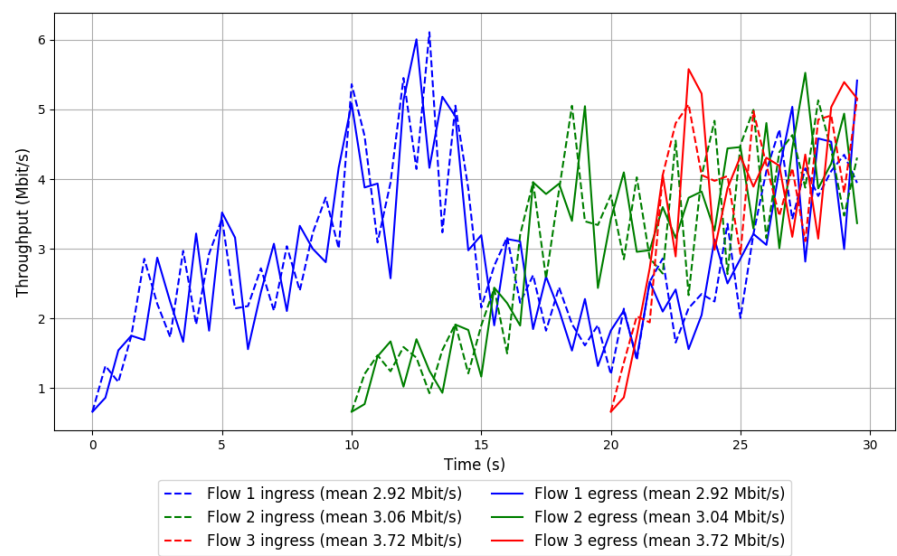


Run 10: Statistics of Sprout

Start at: 2018-03-06 19:35:26
End at: 2018-03-06 19:35:56
Local clock offset: -6.349 ms
Remote clock offset: 10.623 ms

Below is generated by plot.py at 2018-03-06 20:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 90.375 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 89.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 90.521 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 90.748 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

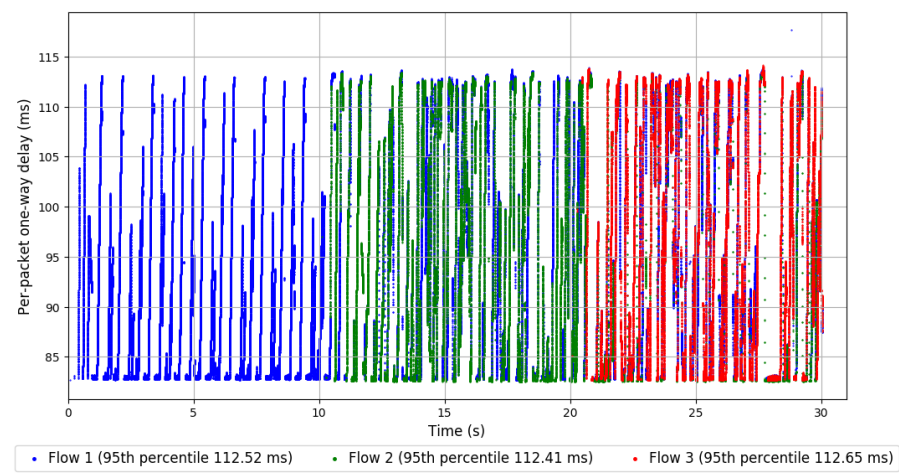
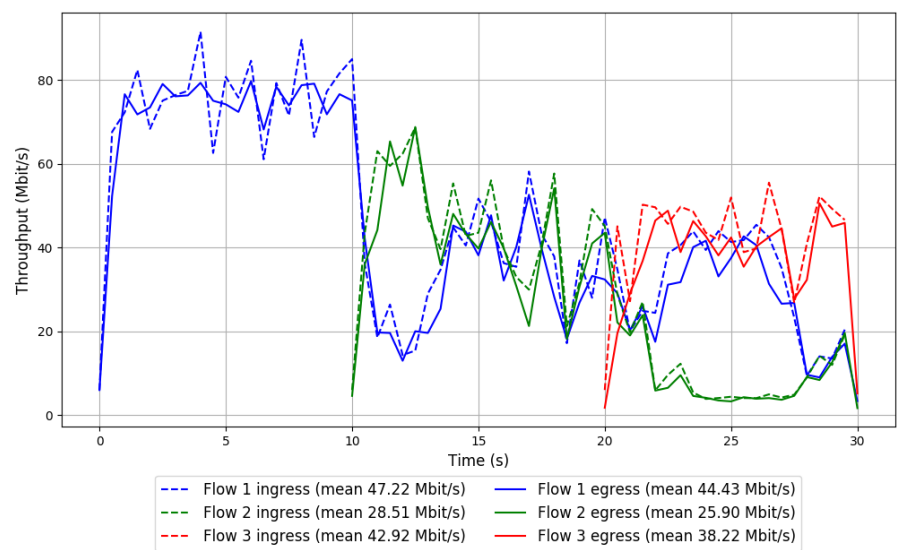


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 15:59:11
End at: 2018-03-06 15:59:41
Local clock offset: -6.499 ms
Remote clock offset: -6.102 ms

Below is generated by plot.py at 2018-03-06 20:13:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 112.523 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 112.410 ms
Loss rate: 9.12%
-- Flow 3:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 112.646 ms
Loss rate: 10.93%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 16:22:56

End at: 2018-03-06 16:23:26

Local clock offset: -6.589 ms

Remote clock offset: -6.07 ms

Below is generated by plot.py at 2018-03-06 20:13:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 111.601 ms

Loss rate: 6.68%

-- Flow 1:

Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 110.634 ms

Loss rate: 4.39%

-- Flow 2:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 112.697 ms

Loss rate: 11.42%

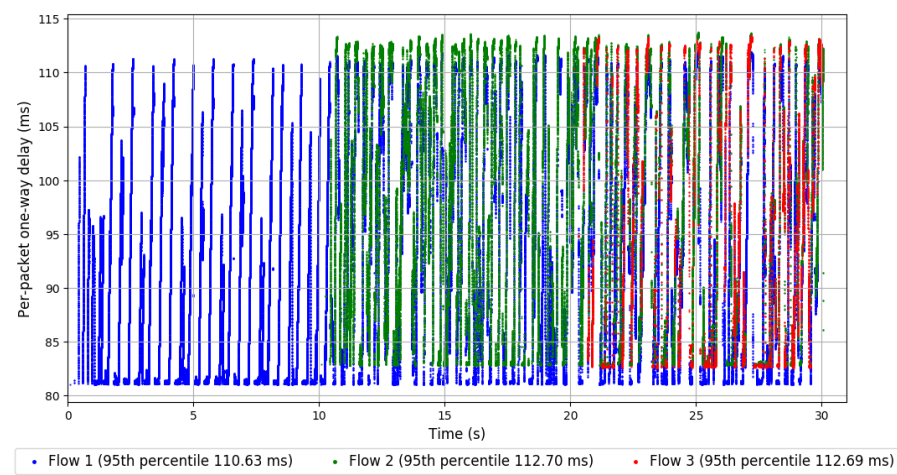
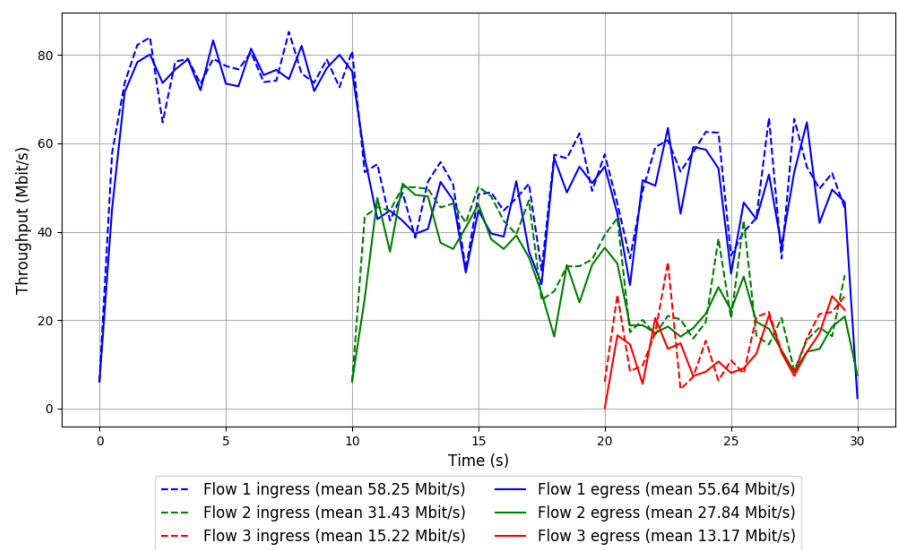
-- Flow 3:

Average throughput: 13.17 Mbit/s

95th percentile per-packet one-way delay: 112.692 ms

Loss rate: 13.42%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 16:46:39

End at: 2018-03-06 16:47:09

Local clock offset: -6.429 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-03-06 20:13:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.99 Mbit/s

95th percentile per-packet one-way delay: 118.692 ms

Loss rate: 5.86%

-- Flow 1:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 118.555 ms

Loss rate: 4.14%

-- Flow 2:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 119.041 ms

Loss rate: 8.29%

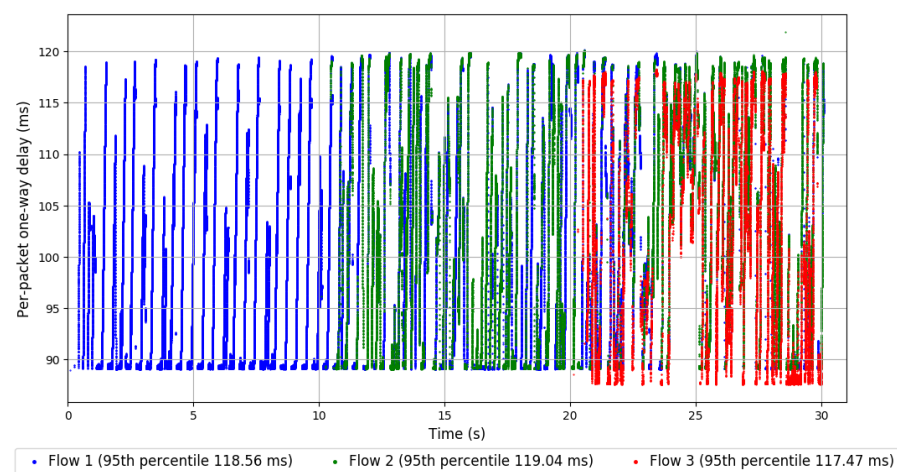
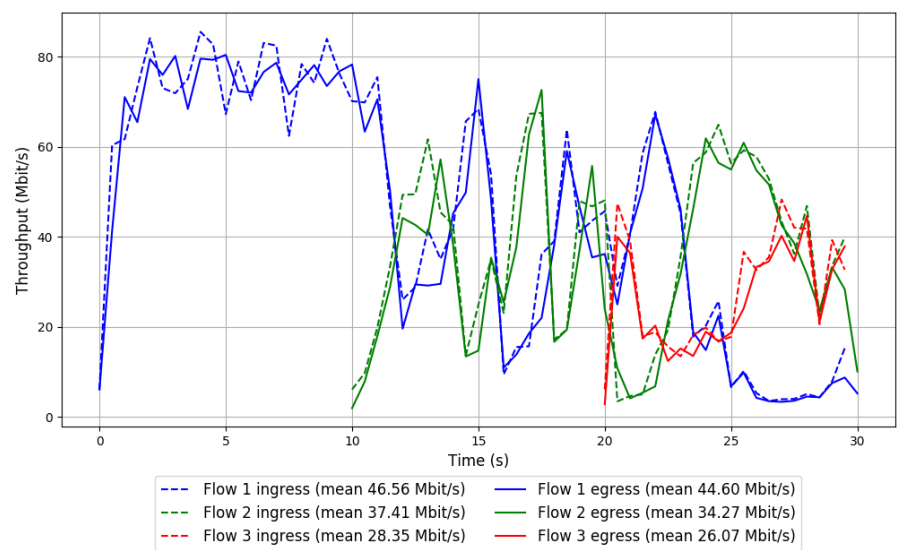
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 117.467 ms

Loss rate: 8.01%

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

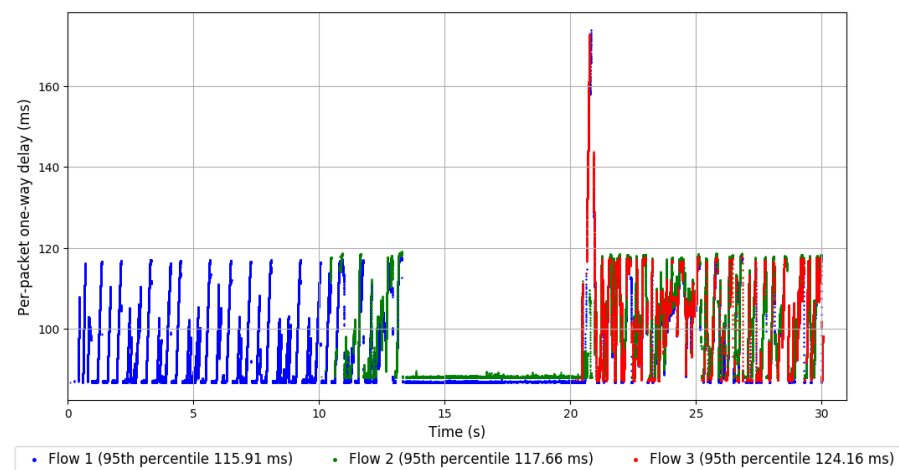
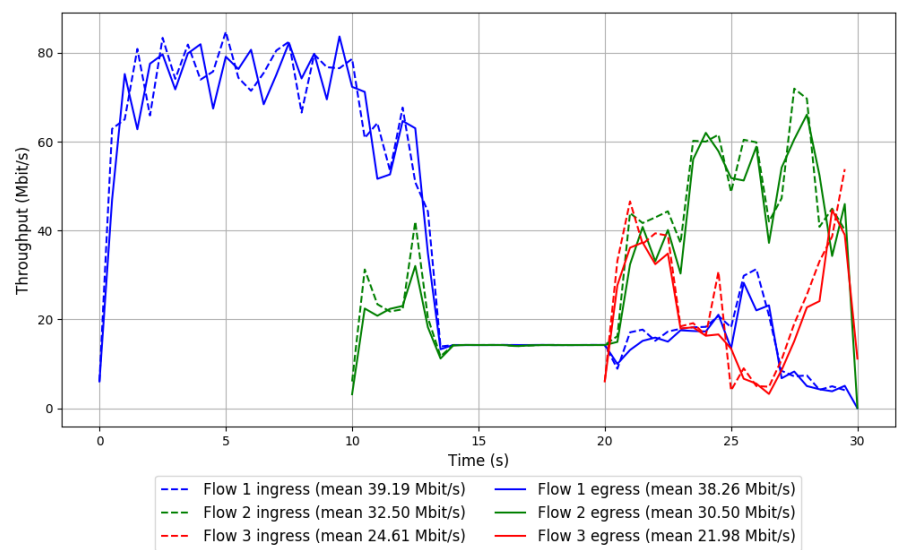


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 17:10:14
End at: 2018-03-06 17:10:44
Local clock offset: -6.1 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-03-06 20:13:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 116.981 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 115.906 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 117.662 ms
Loss rate: 6.12%
-- Flow 3:
Average throughput: 21.98 Mbit/s
95th percentile per-packet one-way delay: 124.163 ms
Loss rate: 10.62%

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

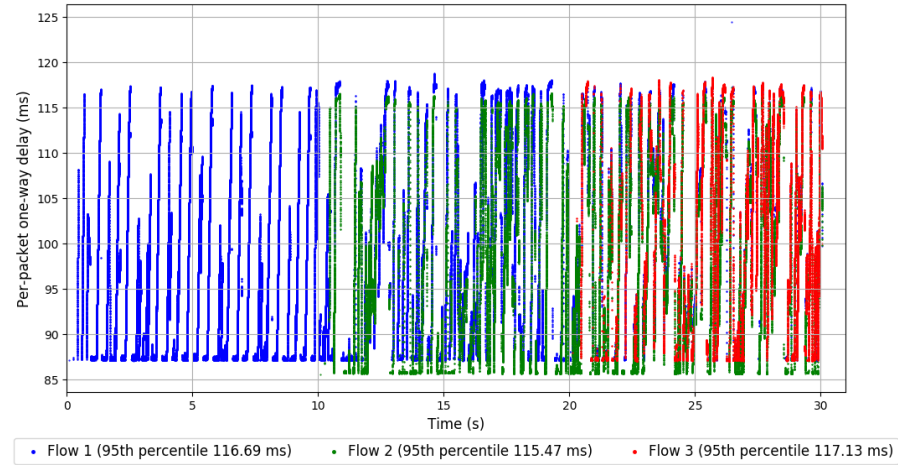
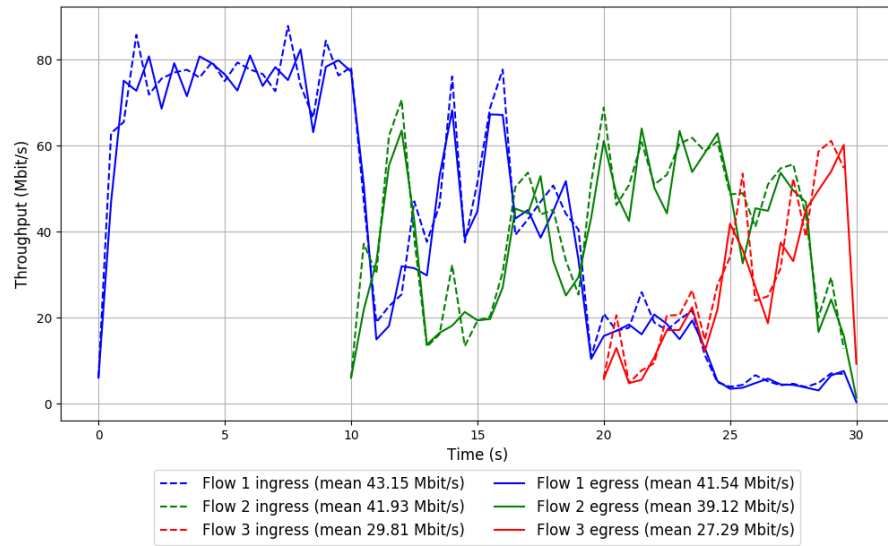


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 17:33:42
End at: 2018-03-06 17:34:12
Local clock offset: -5.86 ms
Remote clock offset: -1.113 ms

Below is generated by plot.py at 2018-03-06 20:13:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 116.412 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 116.685 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 115.473 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 117.126 ms
Loss rate: 8.35%

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

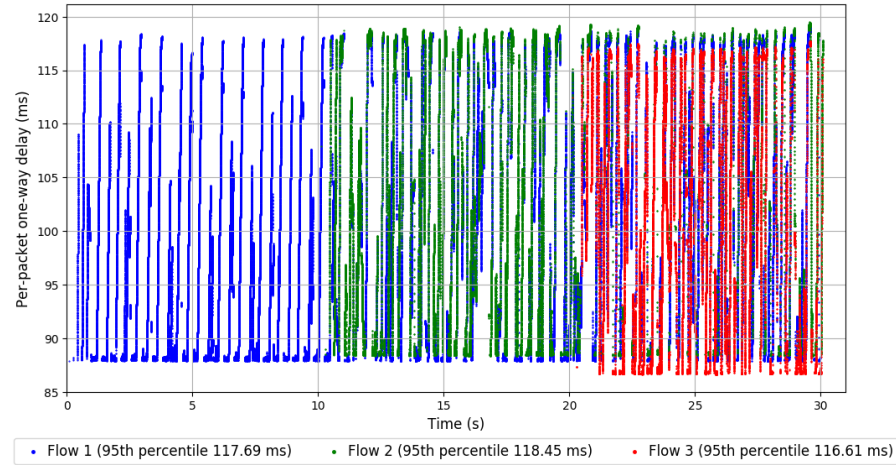
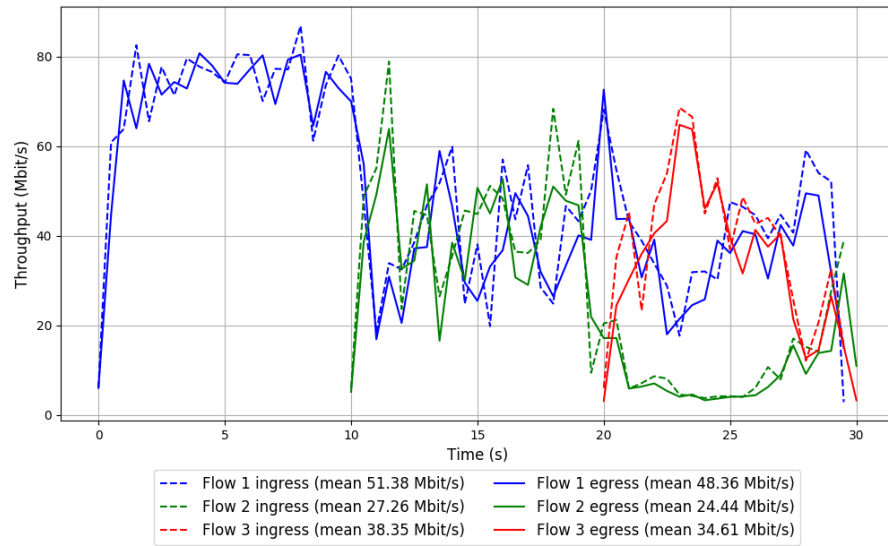


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 17:57:18
End at: 2018-03-06 17:57:48
Local clock offset: -6.671 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-03-06 20:13:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.94 Mbit/s
95th percentile per-packet one-way delay: 117.864 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 117.689 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 118.447 ms
Loss rate: 10.31%
-- Flow 3:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 116.608 ms
Loss rate: 9.73%

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

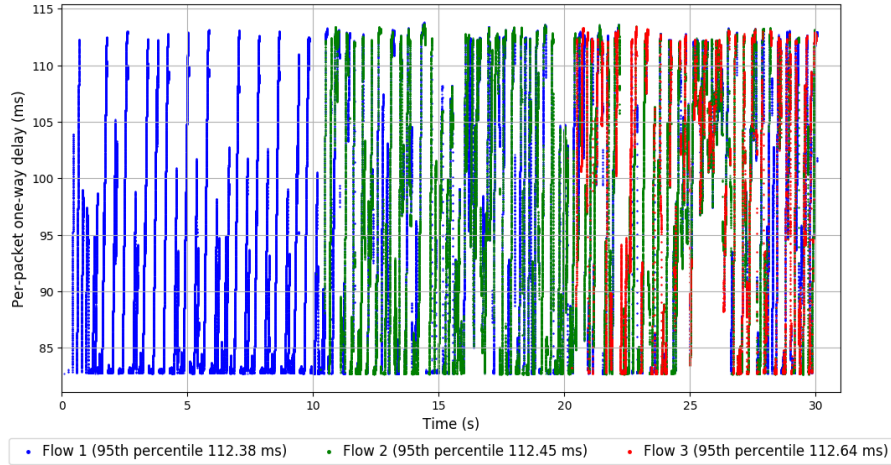
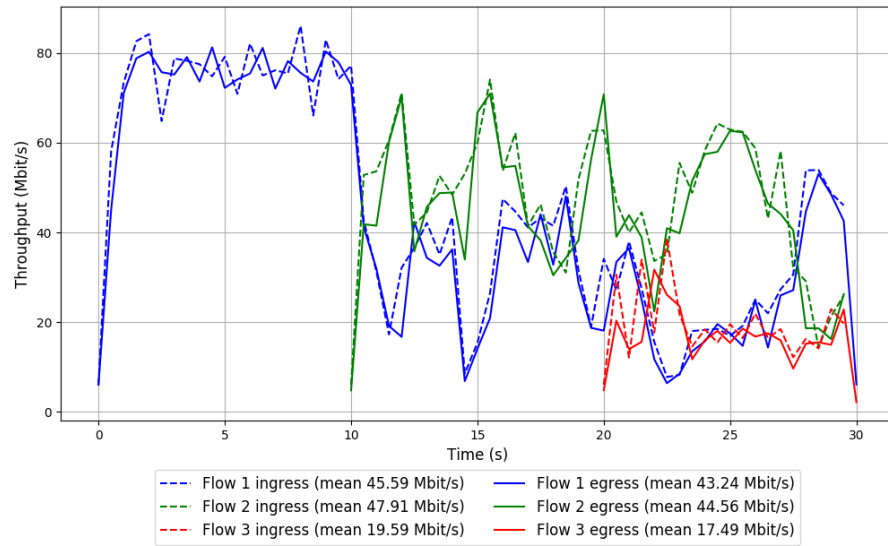


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 18:21:09
End at: 2018-03-06 18:21:39
Local clock offset: -6.754 ms
Remote clock offset: -5.695 ms

Below is generated by plot.py at 2018-03-06 20:13:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 112.378 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 6.91%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 112.643 ms
Loss rate: 10.58%

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

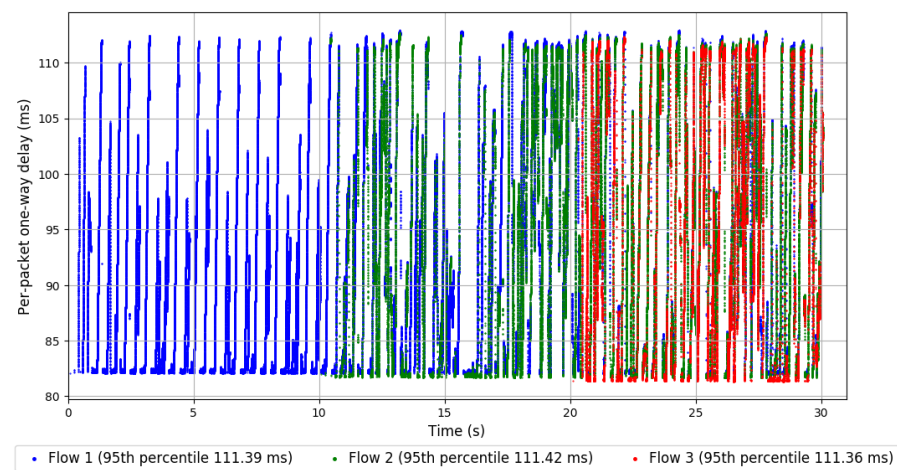
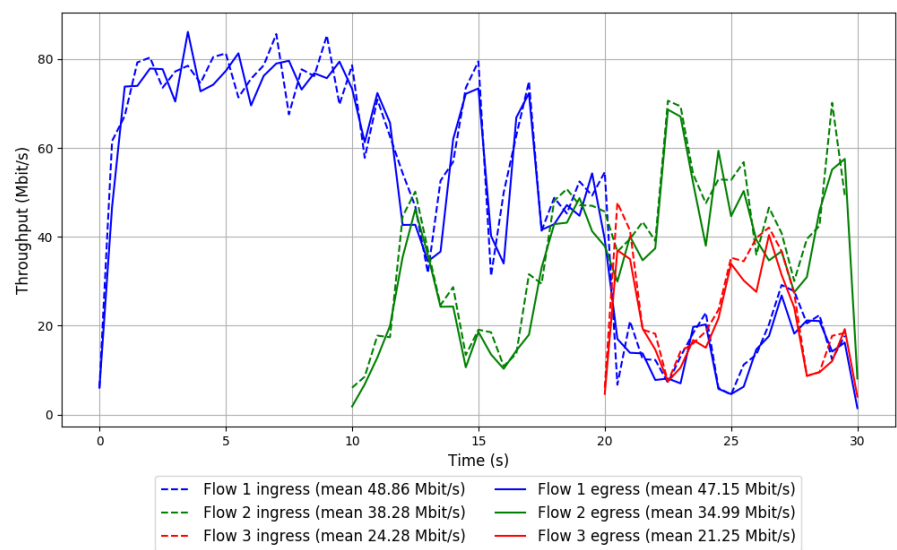


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 18:44:58
End at: 2018-03-06 18:45:28
Local clock offset: -6.682 ms
Remote clock offset: 11.267 ms

Below is generated by plot.py at 2018-03-06 20:13:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 111.386 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 8.50%
-- Flow 3:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 111.362 ms
Loss rate: 12.24%

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

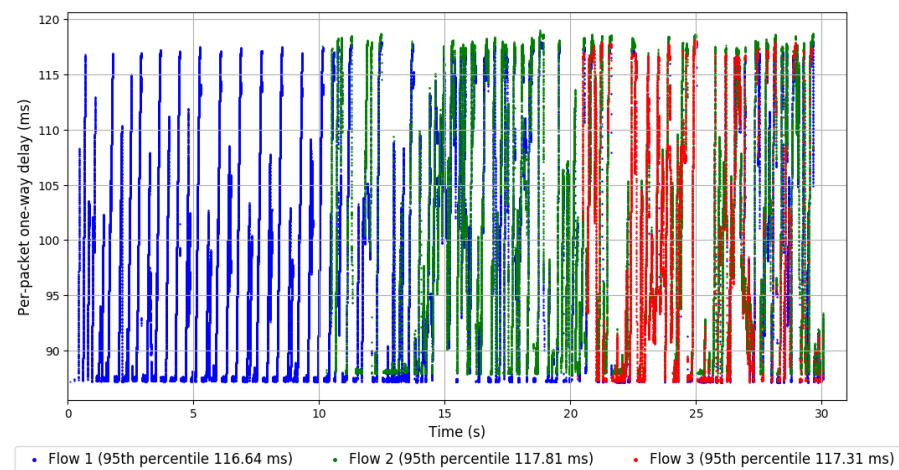
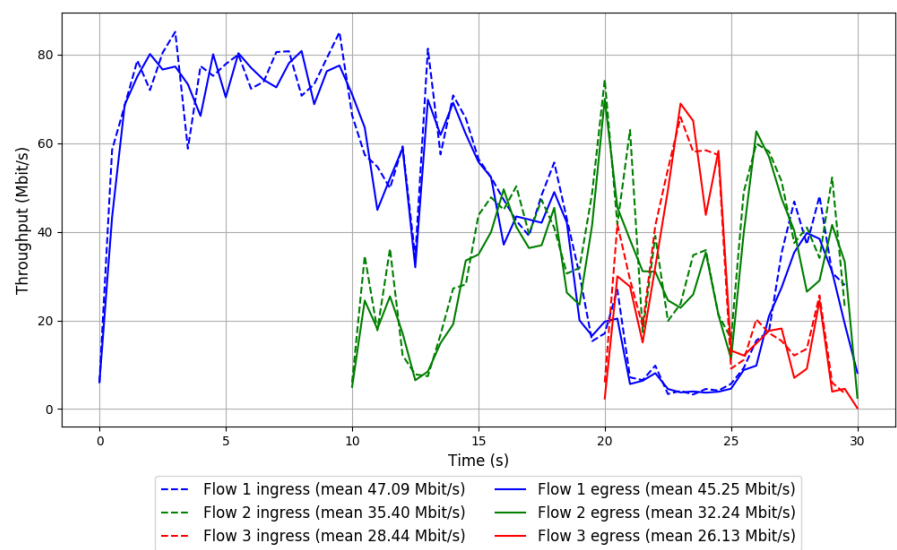


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 19:08:51
End at: 2018-03-06 19:09:21
Local clock offset: -5.949 ms
Remote clock offset: 22.315 ms

Below is generated by plot.py at 2018-03-06 20:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 117.271 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 116.637 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 117.814 ms
Loss rate: 9.04%
-- Flow 3:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 117.308 ms
Loss rate: 8.29%

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

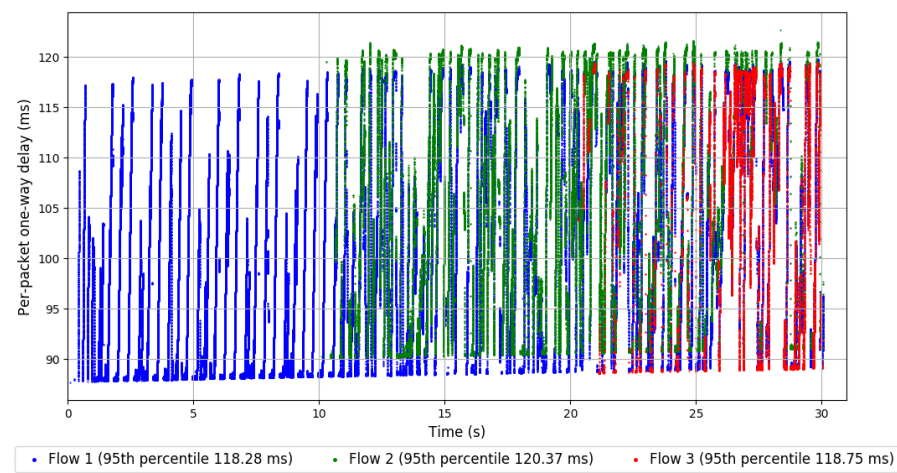
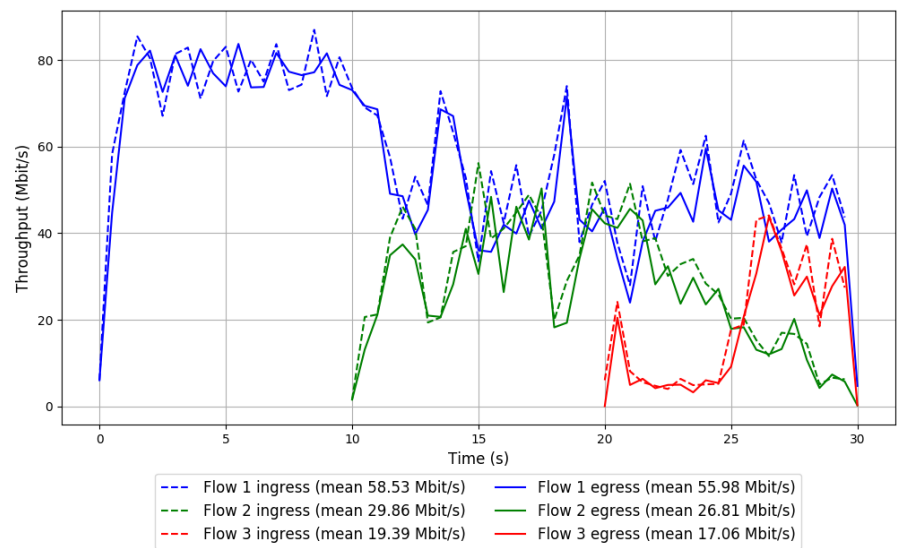


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 19:32:44
End at: 2018-03-06 19:33:14
Local clock offset: -6.358 ms
Remote clock offset: 23.617 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 118.990 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 118.280 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 26.81 Mbit/s
95th percentile per-packet one-way delay: 120.368 ms
Loss rate: 10.18%
-- Flow 3:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 118.755 ms
Loss rate: 12.19%

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

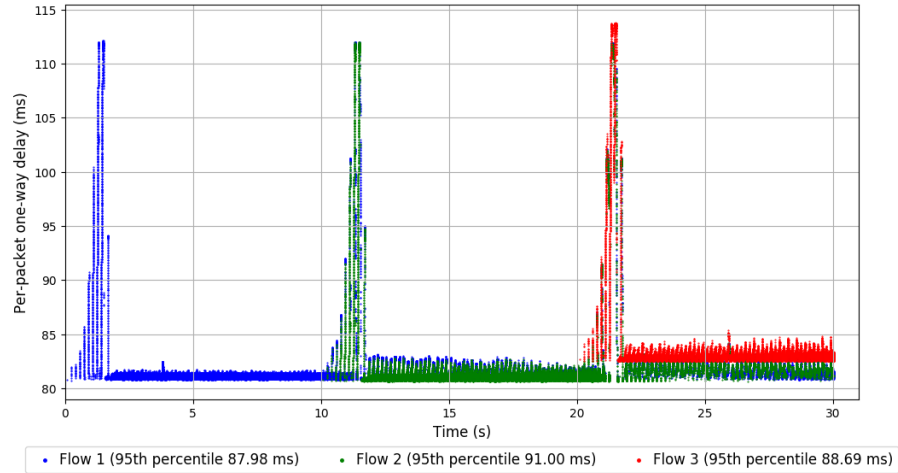
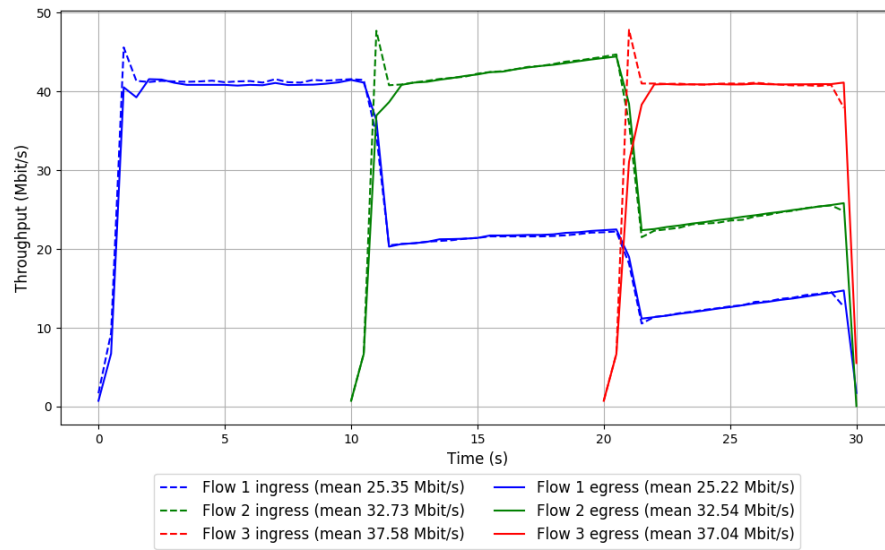


Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 15:57:54
End at: 2018-03-06 15:58:24
Local clock offset: -6.473 ms
Remote clock offset: -6.146 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 89.337 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 87.980 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 91.003 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 88.689 ms
Loss rate: 1.45%

Run 1: Report of TCP Vegas — Data Link

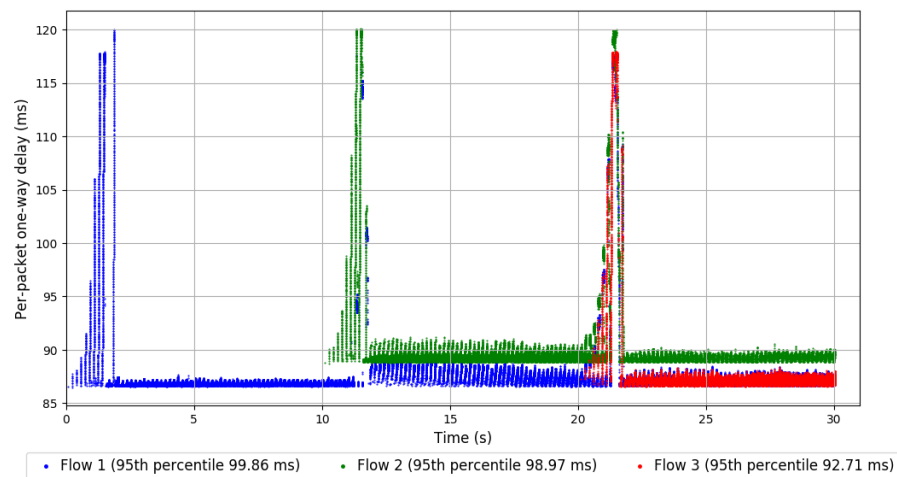
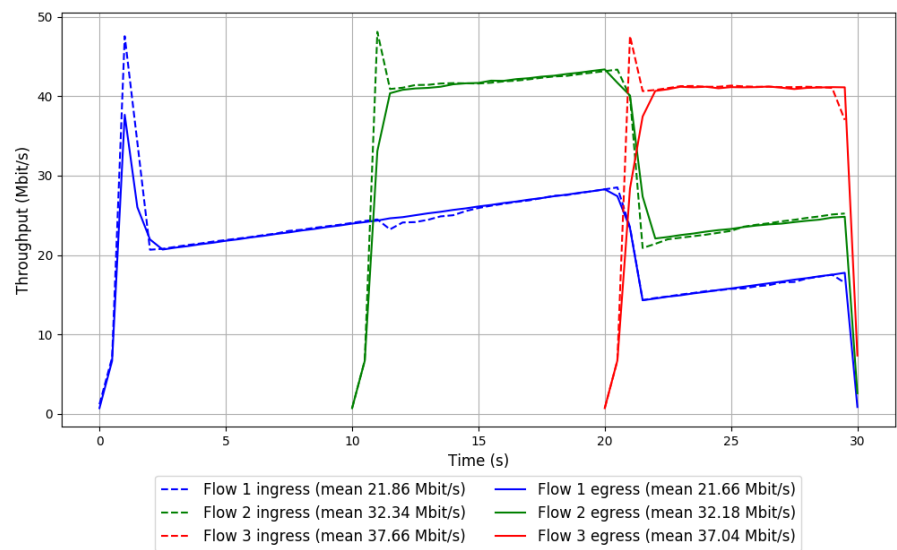


Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 16:21:39
End at: 2018-03-06 16:22:09
Local clock offset: -6.578 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 98.623 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 99.865 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 98.971 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 92.709 ms
Loss rate: 1.65%

Run 2: Report of TCP Vegas — Data Link

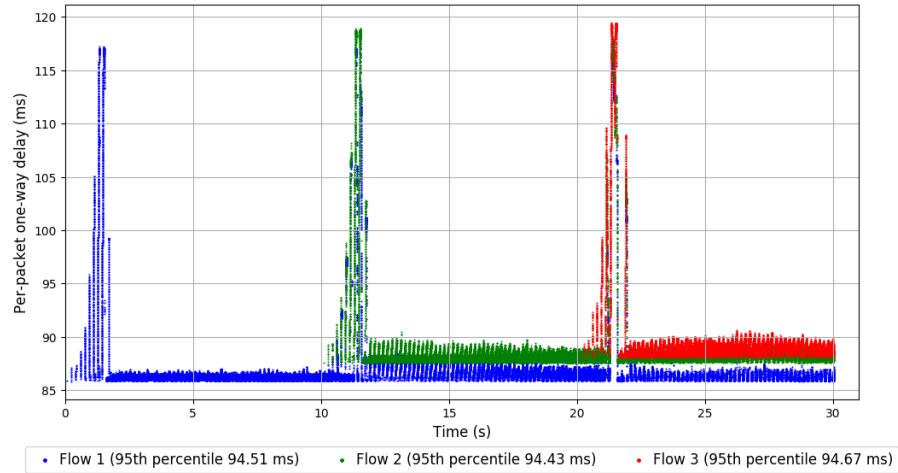
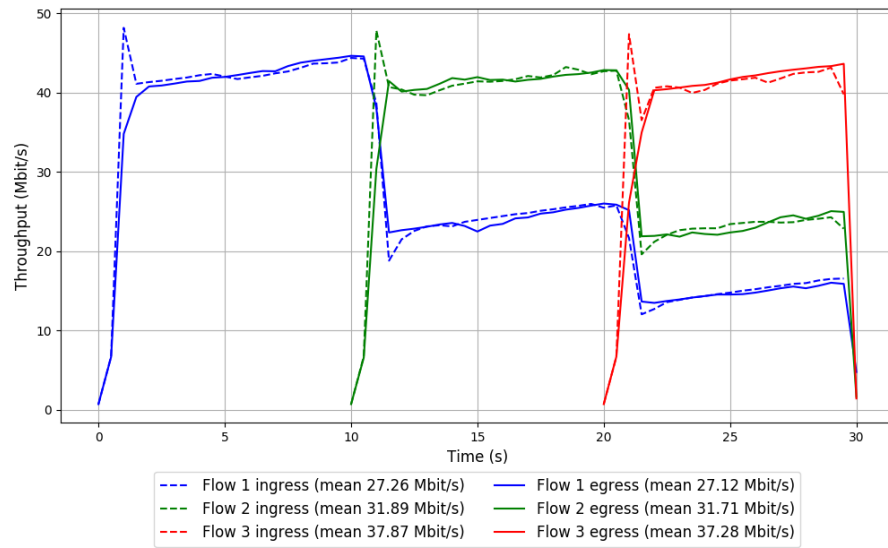


Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 16:45:22
End at: 2018-03-06 16:45:52
Local clock offset: -6.416 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 94.533 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 94.514 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 94.431 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 94.675 ms
Loss rate: 1.58%

Run 3: Report of TCP Vegas — Data Link

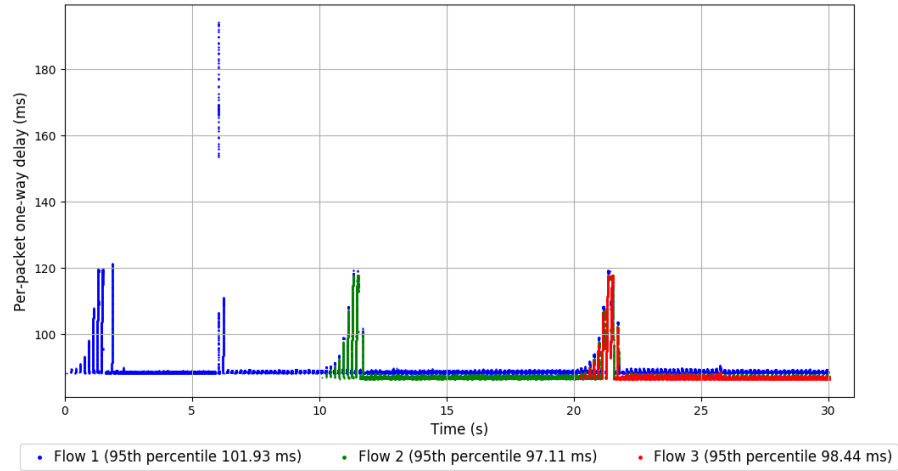
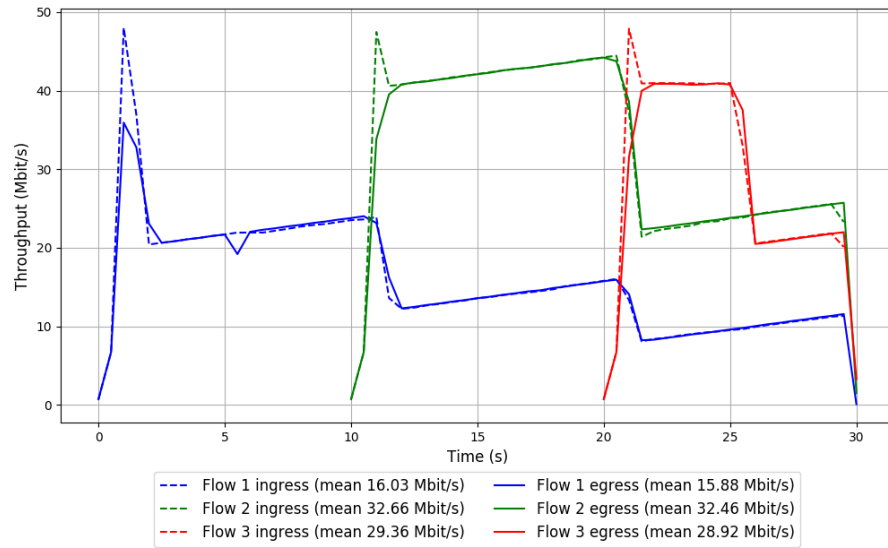


Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 17:08:58
End at: 2018-03-06 17:09:28
Local clock offset: -6.133 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 98.916 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 101.927 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 97.109 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 98.444 ms
Loss rate: 1.50%

Run 4: Report of TCP Vegas — Data Link

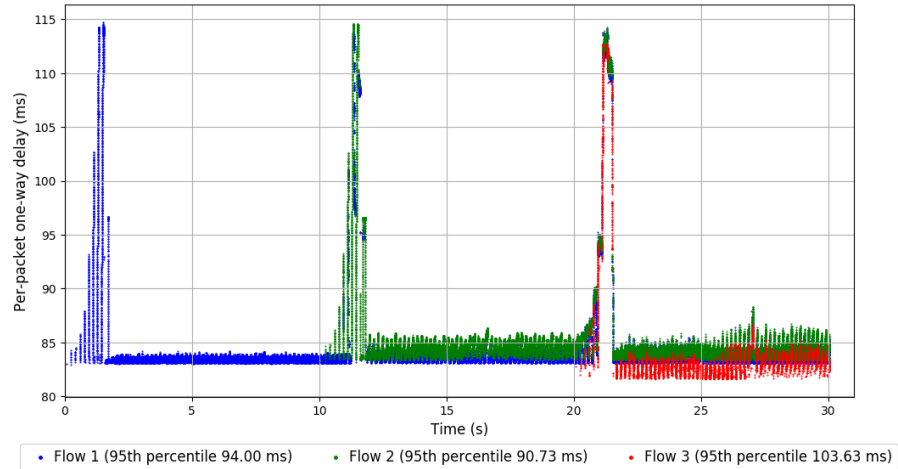
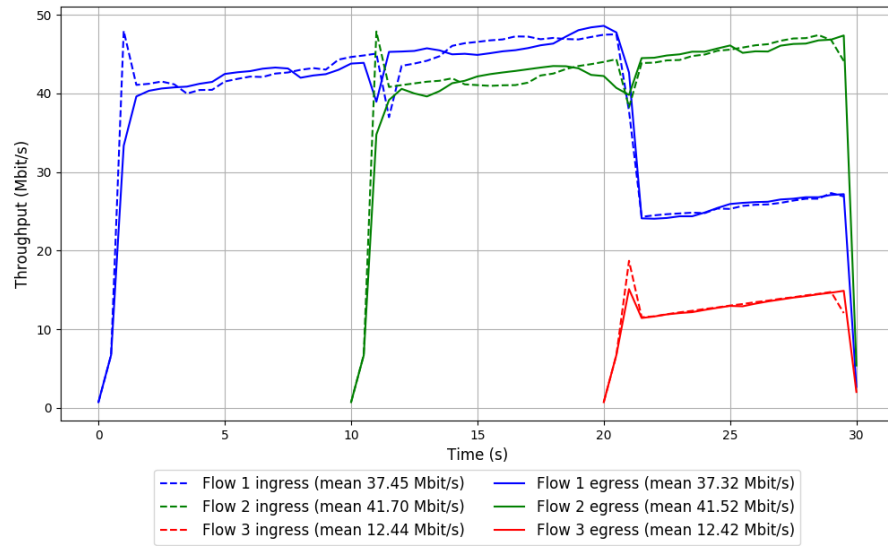


Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 17:32:25
End at: 2018-03-06 17:32:55
Local clock offset: -5.846 ms
Remote clock offset: -5.145 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 93.772 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 94.005 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 90.728 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 103.630 ms
Loss rate: 0.14%

Run 5: Report of TCP Vegas — Data Link

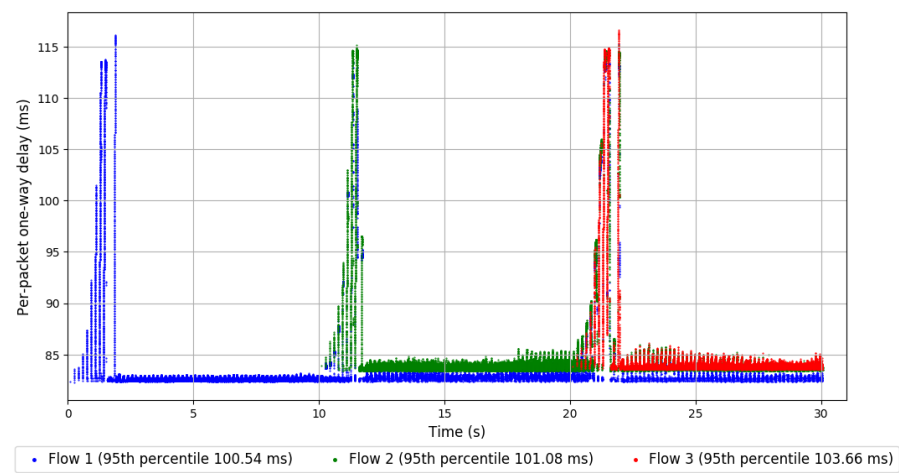
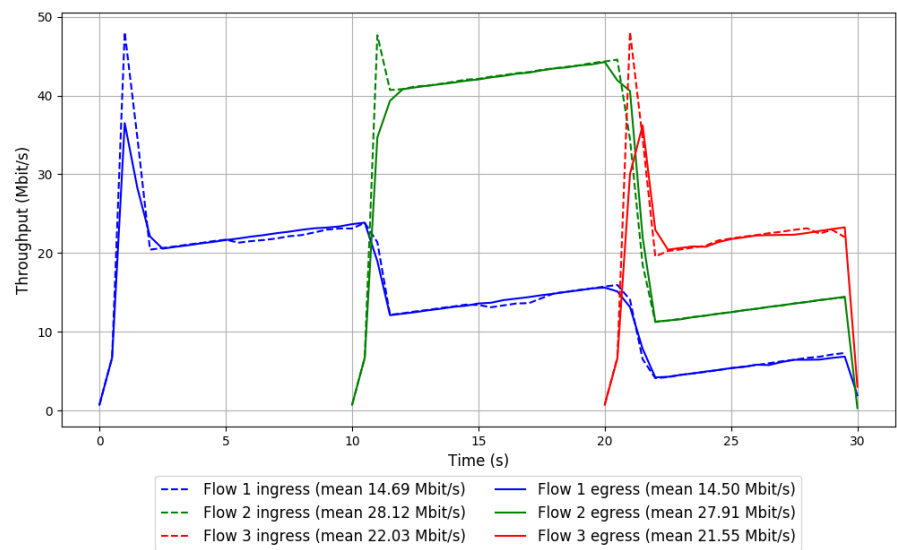


Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 17:56:02
End at: 2018-03-06 17:56:32
Local clock offset: -6.634 ms
Remote clock offset: -4.988 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 100.921 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 100.542 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 101.081 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 103.659 ms
Loss rate: 2.35%

Run 6: Report of TCP Vegas — Data Link

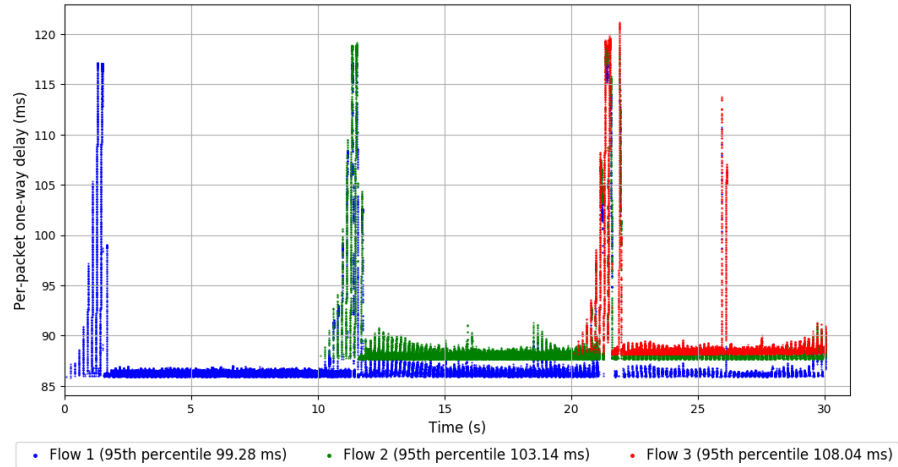
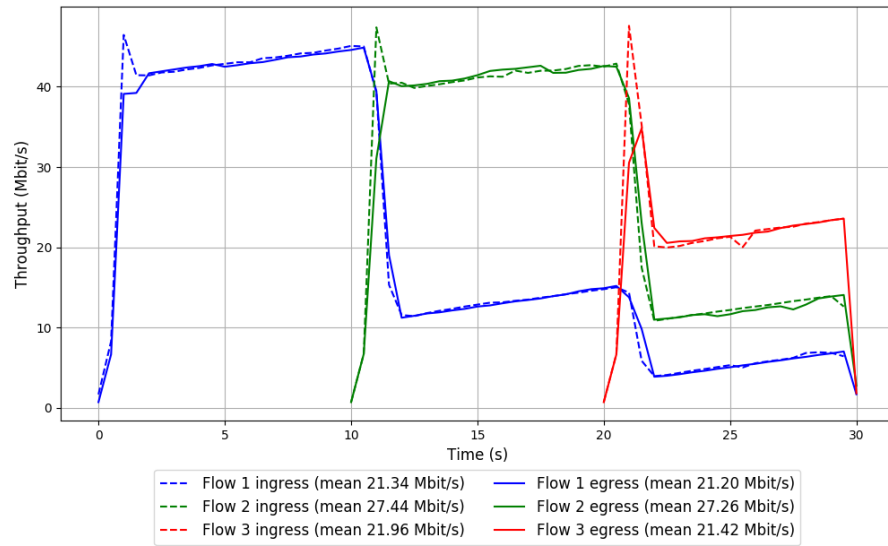


Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 18:19:53
End at: 2018-03-06 18:20:23
Local clock offset: -6.77 ms
Remote clock offset: -0.829 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 102.493 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 99.275 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 103.143 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 108.039 ms
Loss rate: 2.41%

Run 7: Report of TCP Vegas — Data Link

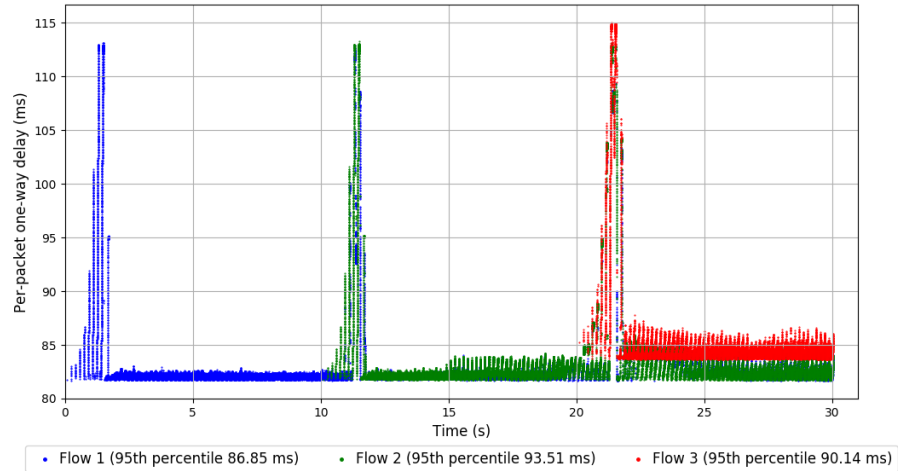
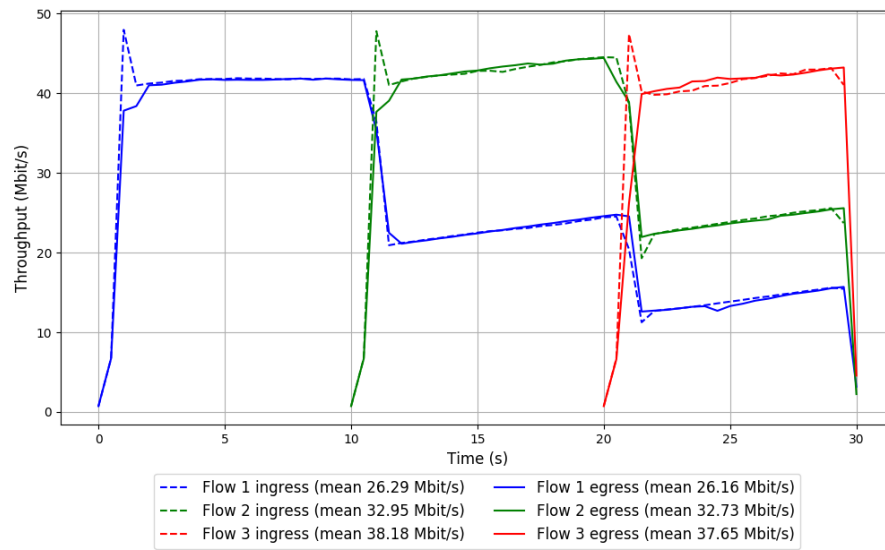


Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 18:43:41
End at: 2018-03-06 18:44:11
Local clock offset: -6.78 ms
Remote clock offset: 10.898 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.46 Mbit/s
95th percentile per-packet one-way delay: 89.695 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 93.509 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 90.141 ms
Loss rate: 1.39%

Run 8: Report of TCP Vegas — Data Link

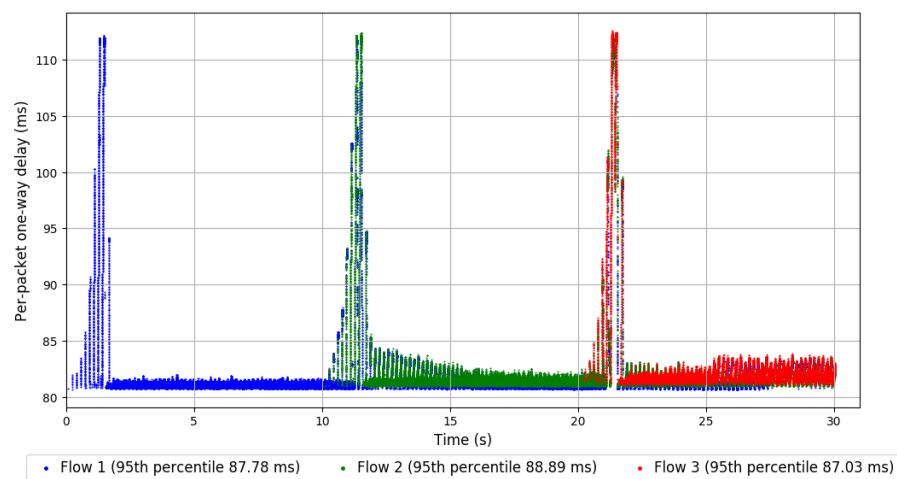
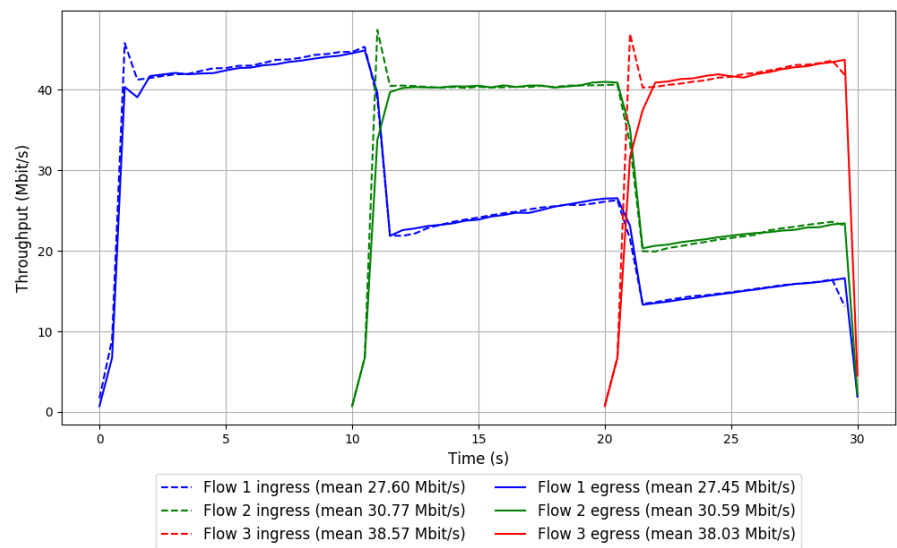


Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 19:07:34
End at: 2018-03-06 19:08:04
Local clock offset: -6.038 ms
Remote clock offset: 15.504 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 88.092 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 87.781 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 88.889 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 87.032 ms
Loss rate: 1.37%

Run 9: Report of TCP Vegas — Data Link

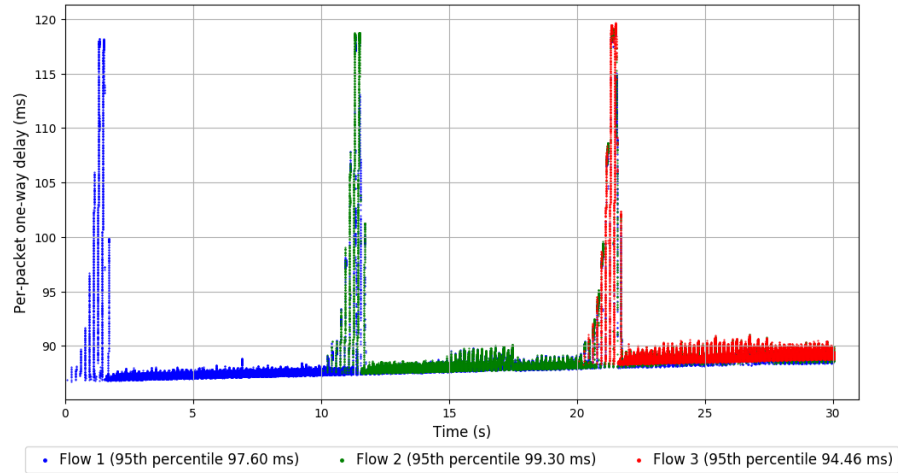
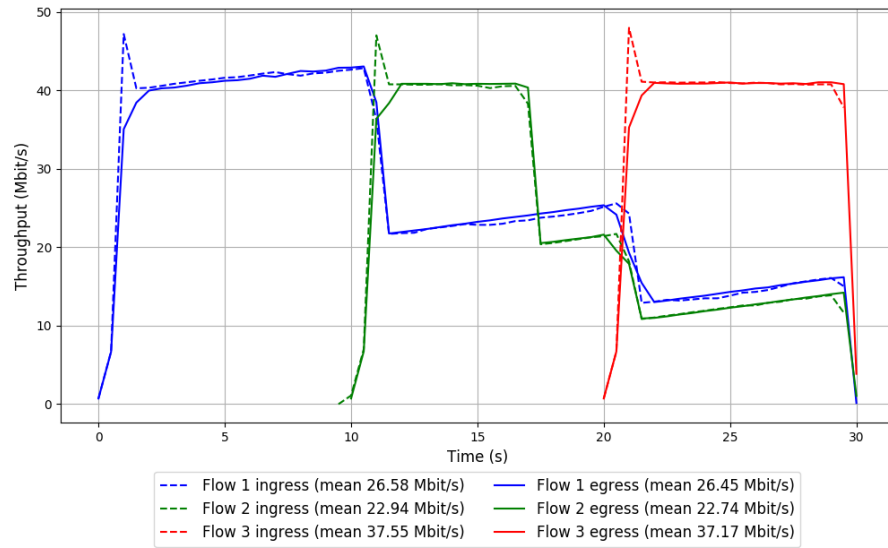


Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 19:31:27
End at: 2018-03-06 19:31:57
Local clock offset: -6.327 ms
Remote clock offset: 27.159 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 97.665 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 97.604 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 99.303 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 94.464 ms
Loss rate: 1.01%

Run 10: Report of TCP Vegas — Data Link

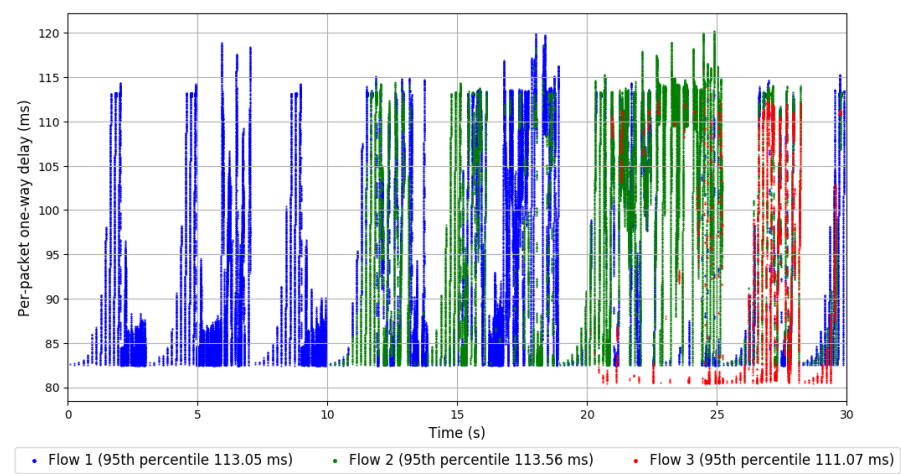
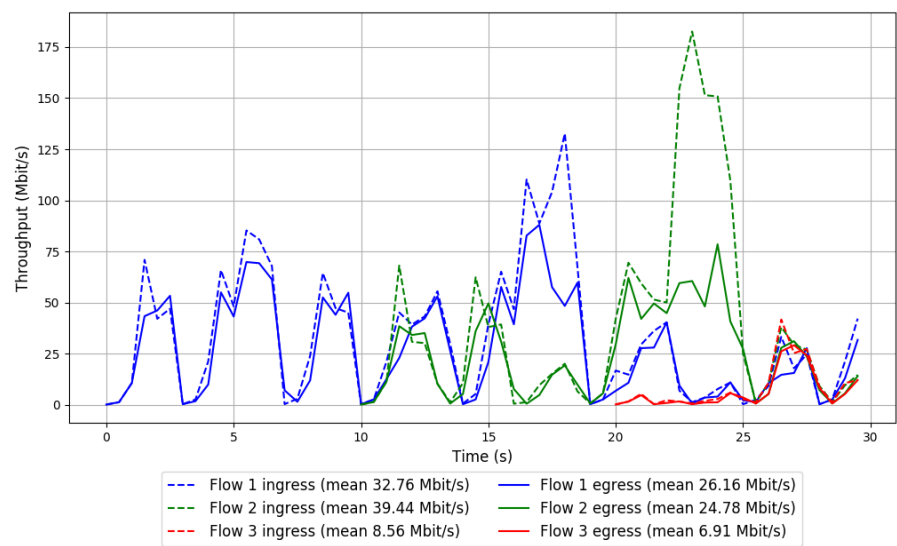


Run 1: Statistics of Verus

Start at: 2018-03-06 15:43:31
End at: 2018-03-06 15:44:01
Local clock offset: -6.414 ms
Remote clock offset: -6.334 ms

Below is generated by plot.py at 2018-03-06 20:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 113.169 ms
Loss rate: 27.23%
-- Flow 1:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 113.047 ms
Loss rate: 20.10%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 113.563 ms
Loss rate: 37.07%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 111.071 ms
Loss rate: 19.08%

Run 1: Report of Verus — Data Link

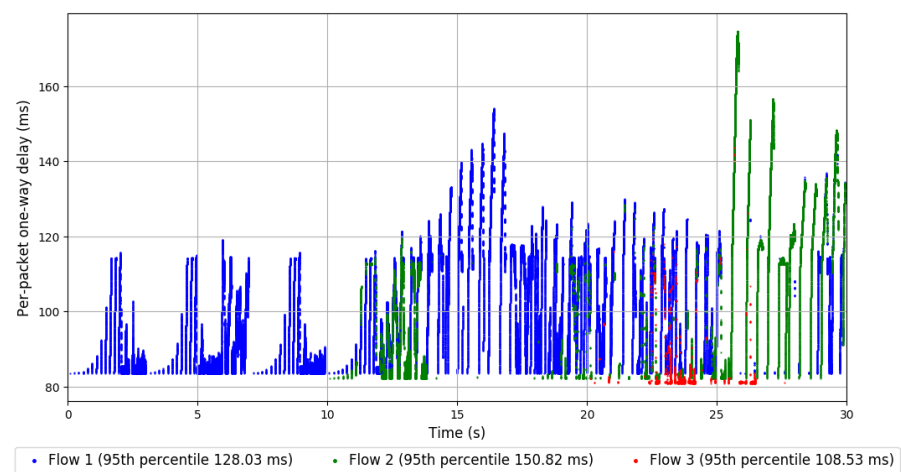
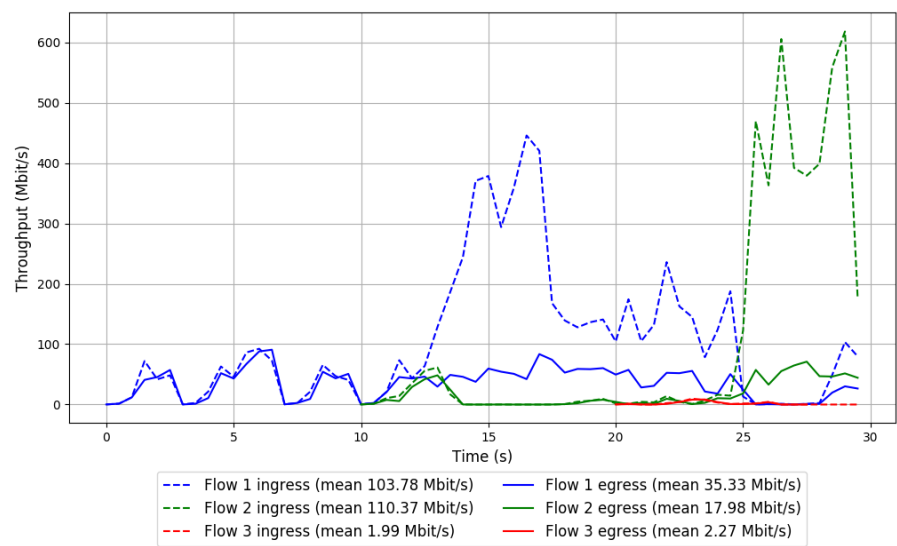


Run 2: Statistics of Verus

Start at: 2018-03-06 16:07:02
End at: 2018-03-06 16:07:32
Local clock offset: -6.5 ms
Remote clock offset: -5.968 ms

Below is generated by plot.py at 2018-03-06 20:15:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 136.646 ms
Loss rate: 73.03%
-- Flow 1:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 128.026 ms
Loss rate: 65.90%
-- Flow 2:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 150.820 ms
Loss rate: 83.67%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 108.527 ms
Loss rate: 10.01%

Run 2: Report of Verus — Data Link

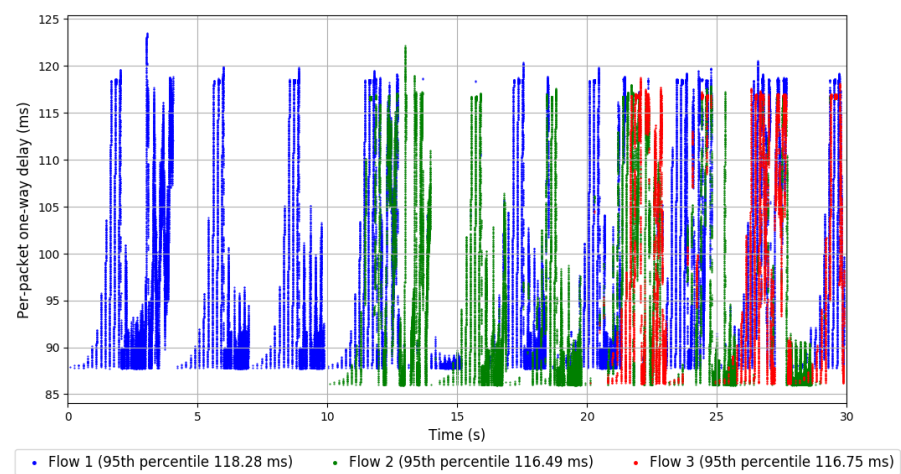
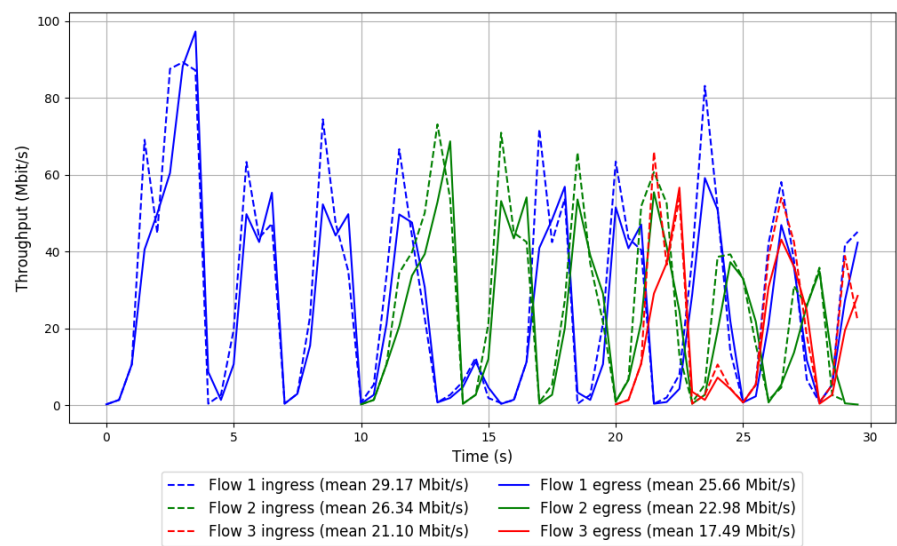


Run 3: Statistics of Verus

Start at: 2018-03-06 16:30:47
End at: 2018-03-06 16:31:17
Local clock offset: -6.544 ms
Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-03-06 20:15:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 117.308 ms
Loss rate: 12.84%
-- Flow 1:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 118.280 ms
Loss rate: 12.01%
-- Flow 2:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 116.492 ms
Loss rate: 12.59%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 116.746 ms
Loss rate: 17.01%

Run 3: Report of Verus — Data Link

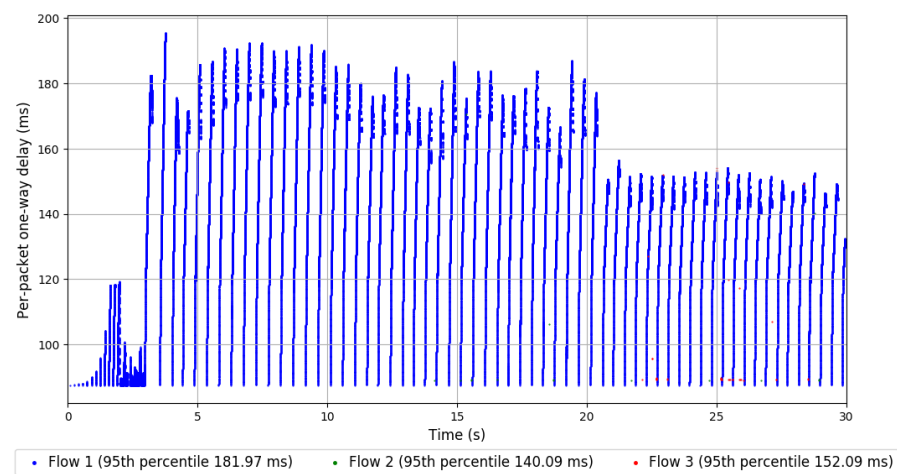
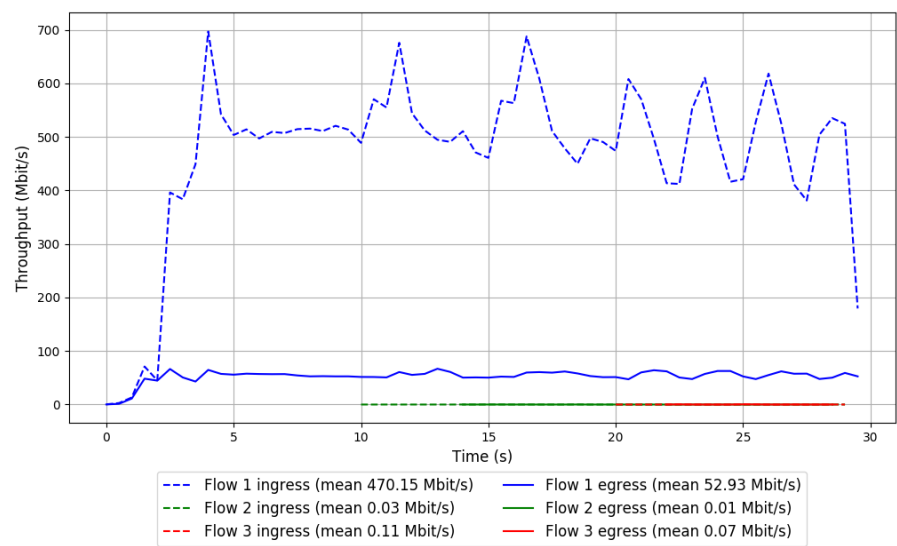


Run 4: Statistics of Verus

Start at: 2018-03-06 16:54:30
End at: 2018-03-06 16:55:00
Local clock offset: -6.412 ms
Remote clock offset: 0.561 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 181.968 ms
Loss rate: 88.72%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 181.971 ms
Loss rate: 88.73%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 140.086 ms
Loss rate: 69.39%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 152.088 ms
Loss rate: 54.12%

Run 4: Report of Verus — Data Link

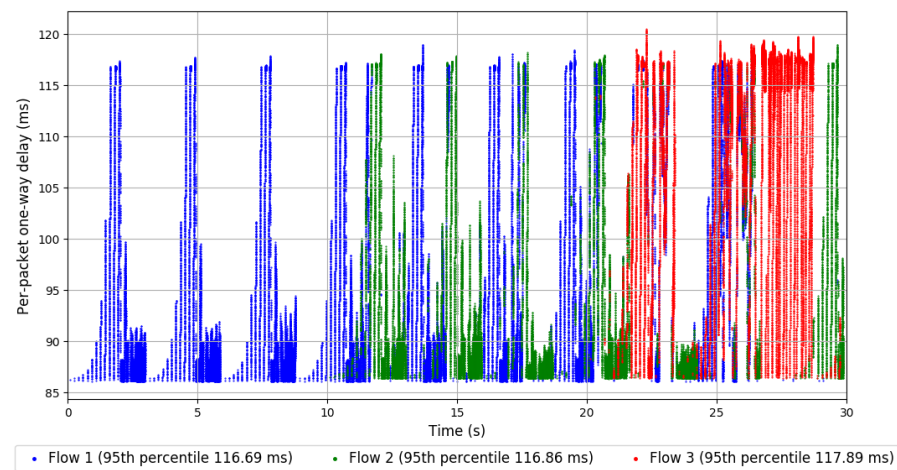
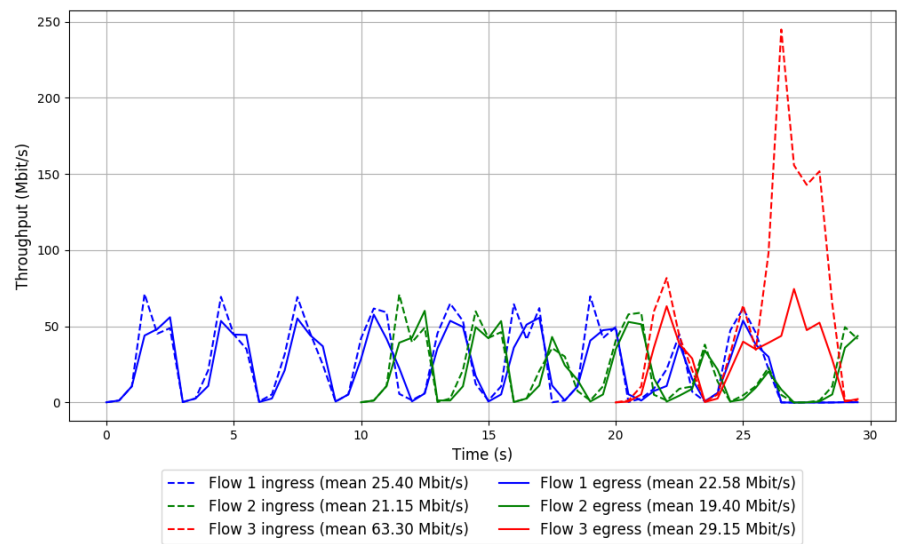


Run 5: Statistics of Verus

Start at: 2018-03-06 17:18:04
End at: 2018-03-06 17:18:34
Local clock offset: -6.009 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 117.027 ms
Loss rate: 25.06%
-- Flow 1:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 116.695 ms
Loss rate: 11.11%
-- Flow 2:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 116.861 ms
Loss rate: 8.26%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 117.894 ms
Loss rate: 53.92%

Run 5: Report of Verus — Data Link

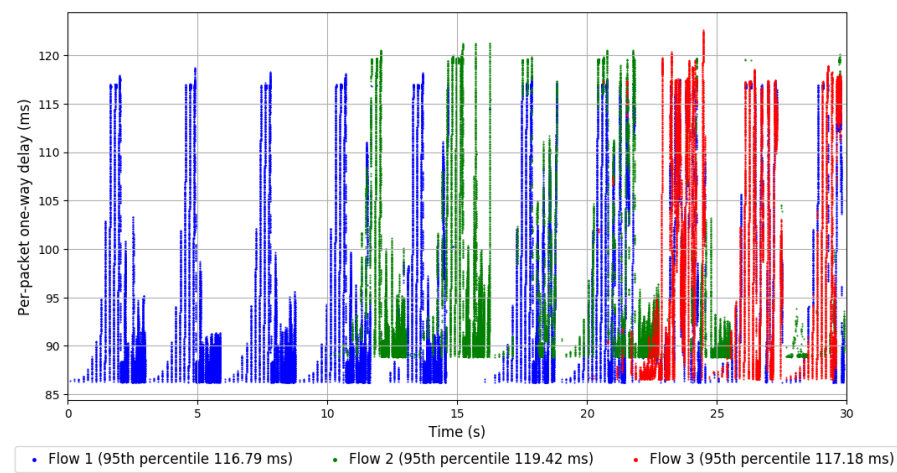
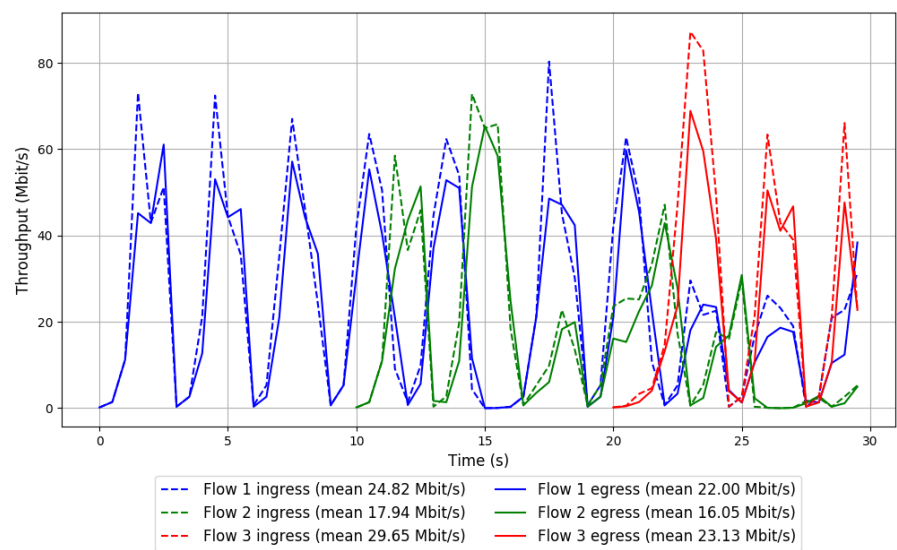


Run 6: Statistics of Verus

Start at: 2018-03-06 17:41:38
End at: 2018-03-06 17:42:08
Local clock offset: -6.306 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 116.961 ms
Loss rate: 13.30%
-- Flow 1:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 116.789 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 119.423 ms
Loss rate: 10.49%
-- Flow 3:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 117.182 ms
Loss rate: 21.76%

Run 6: Report of Verus — Data Link

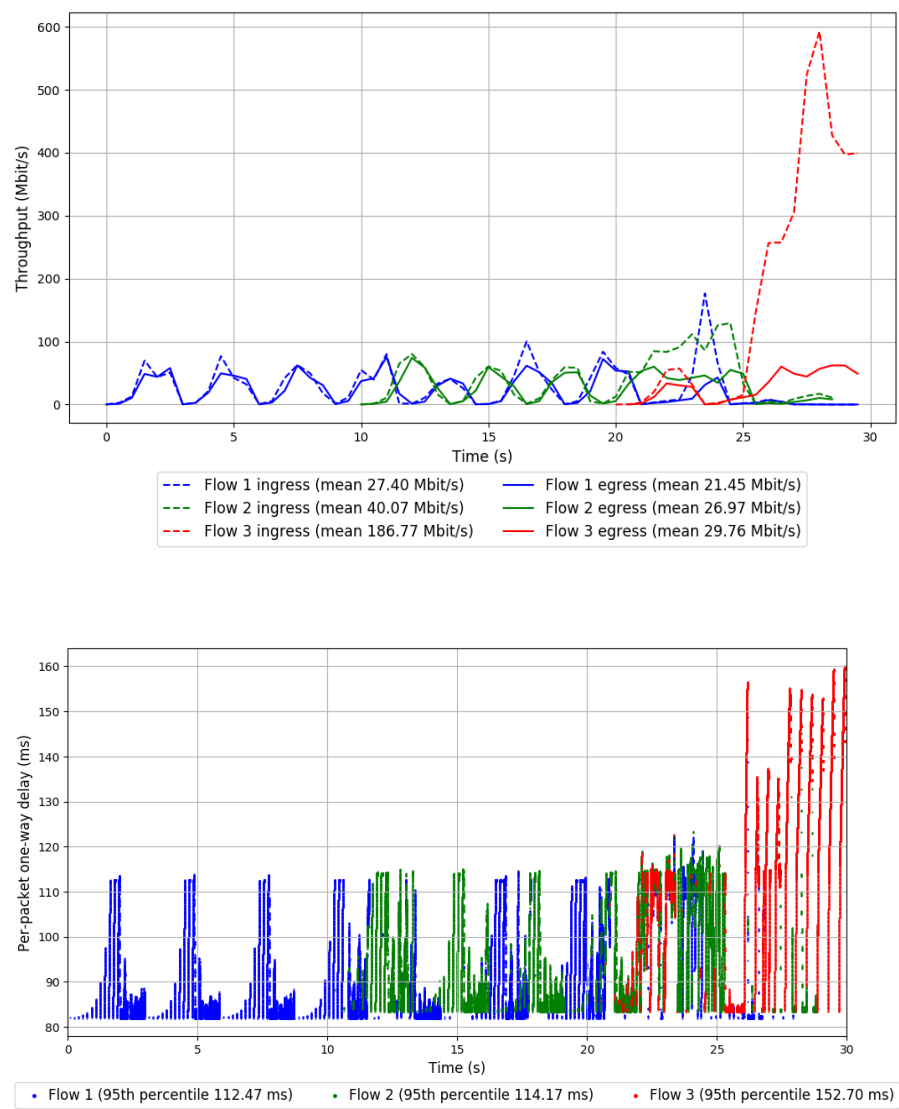


Run 7: Statistics of Verus

Start at: 2018-03-06 18:05:10
End at: 2018-03-06 18:05:40
Local clock offset: -6.712 ms
Remote clock offset: -4.939 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 136.364 ms
Loss rate: 57.00%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 112.468 ms
Loss rate: 21.59%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 114.167 ms
Loss rate: 32.59%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 152.699 ms
Loss rate: 83.97%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-06 18:29:02

End at: 2018-03-06 18:29:32

Local clock offset: -6.845 ms

Remote clock offset: 3.219 ms

Below is generated by plot.py at 2018-03-06 20:17:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 141.535 ms

Loss rate: 63.09%

-- Flow 1:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 147.634 ms

Loss rate: 69.11%

-- Flow 2:

Average throughput: 14.91 Mbit/s

95th percentile per-packet one-way delay: 113.628 ms

Loss rate: 14.93%

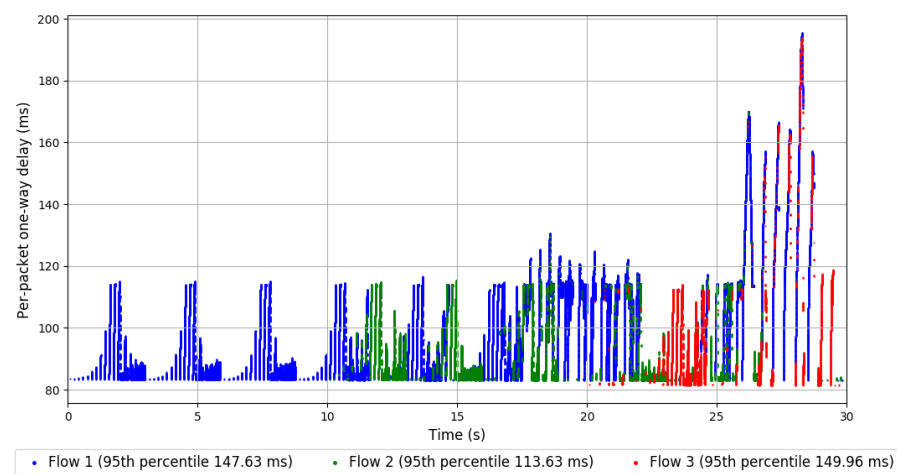
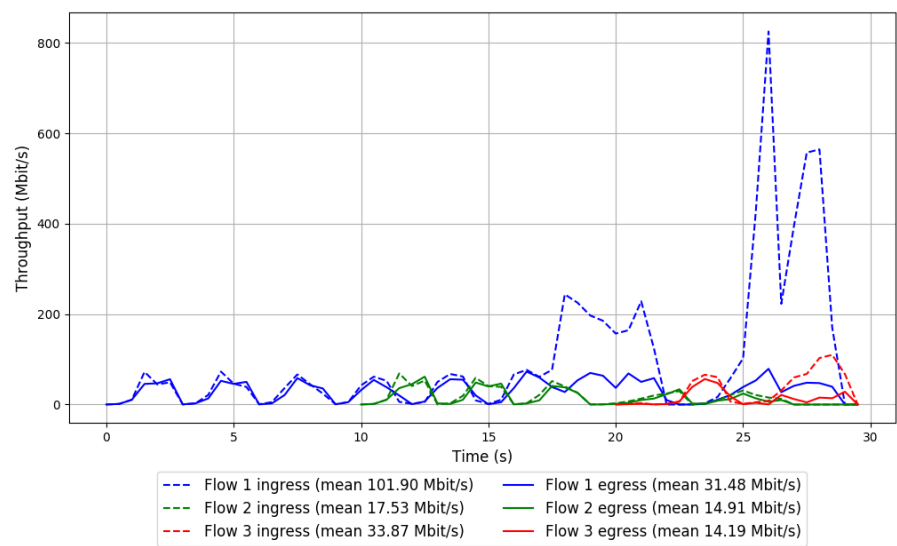
-- Flow 3:

Average throughput: 14.19 Mbit/s

95th percentile per-packet one-way delay: 149.959 ms

Loss rate: 58.10%

Run 8: Report of Verus — Data Link

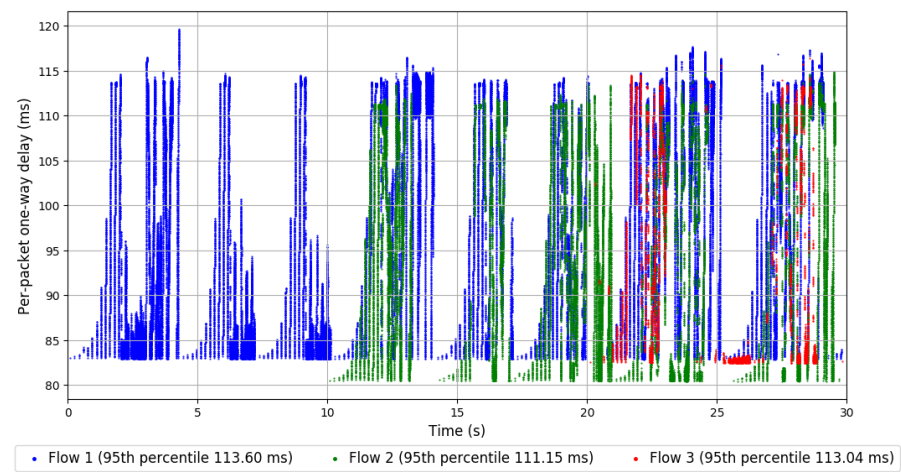
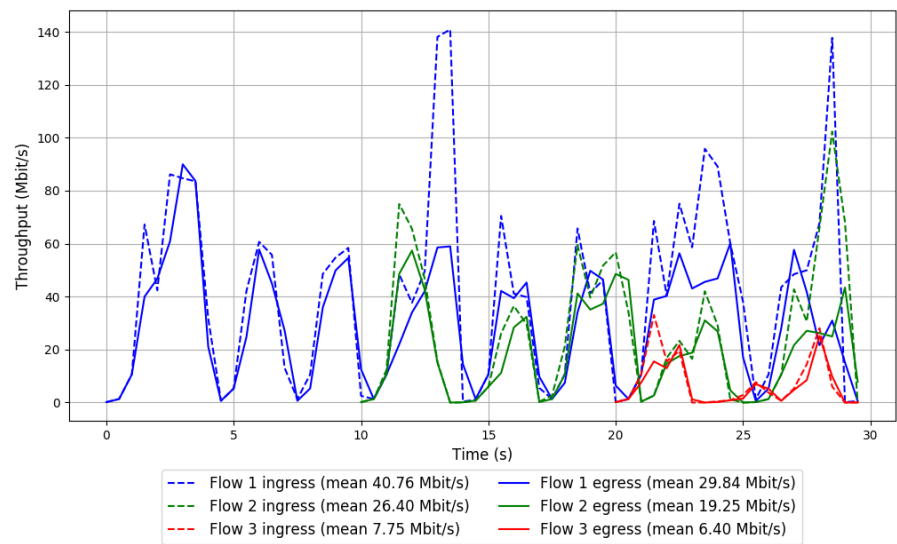


Run 9: Statistics of Verus

Start at: 2018-03-06 18:52:50
End at: 2018-03-06 18:53:20
Local clock offset: -6.291 ms
Remote clock offset: 12.432 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.58 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 26.49%
-- Flow 1:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 113.599 ms
Loss rate: 26.79%
-- Flow 2:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 111.149 ms
Loss rate: 27.08%
-- Flow 3:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 113.043 ms
Loss rate: 17.49%

Run 9: Report of Verus — Data Link

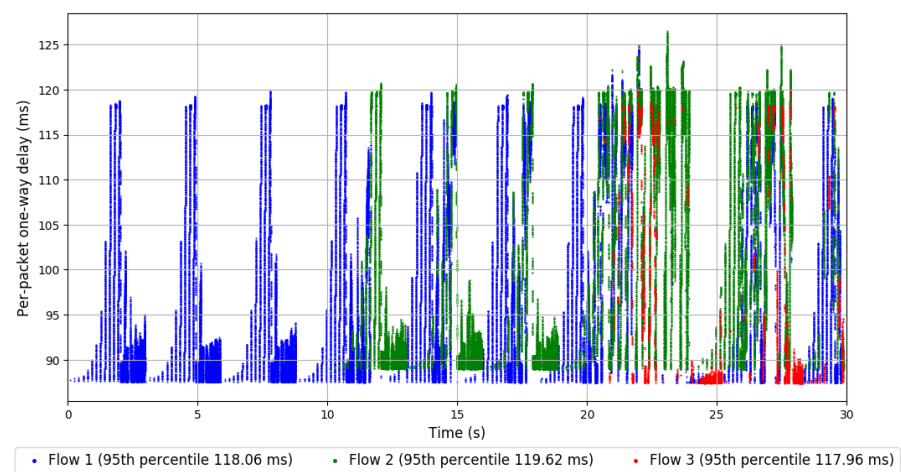
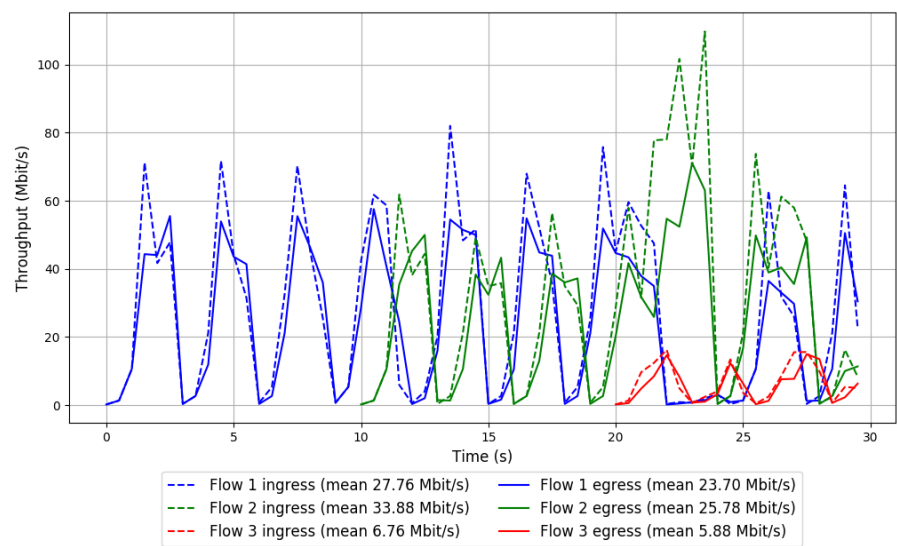


Run 10: Statistics of Verus

Start at: 2018-03-06 19:16:42
End at: 2018-03-06 19:17:12
Local clock offset: -5.82 ms
Remote clock offset: 24.199 ms

Below is generated by plot.py at 2018-03-06 20:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 118.977 ms
Loss rate: 18.53%
-- Flow 1:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 118.065 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 119.620 ms
Loss rate: 23.91%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 117.961 ms
Loss rate: 13.02%

Run 10: Report of Verus — Data Link

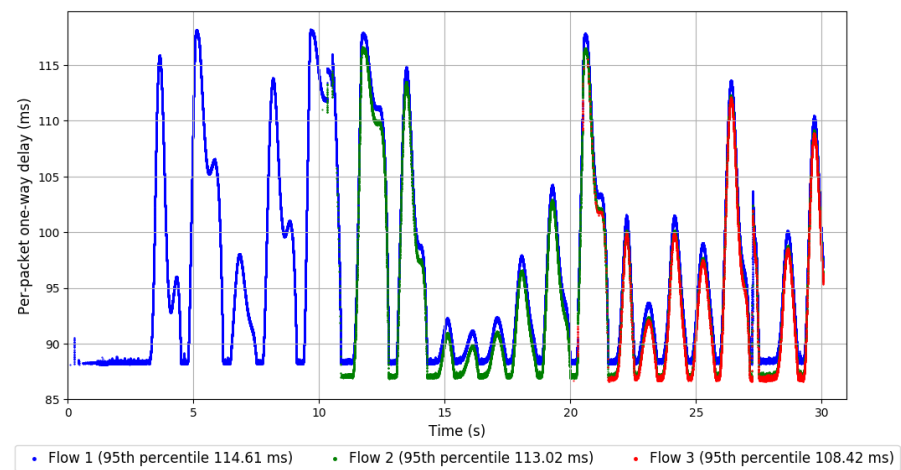
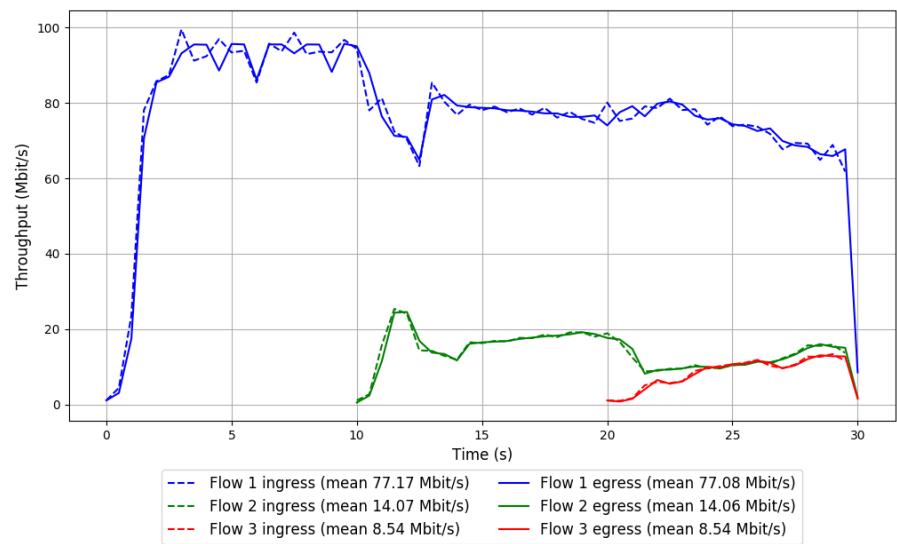


Run 1: Statistics of Copa

Start at: 2018-03-06 15:51:21
End at: 2018-03-06 15:51:51
Local clock offset: -6.419 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-03-06 20:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 114.510 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 114.615 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 113.020 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 108.417 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

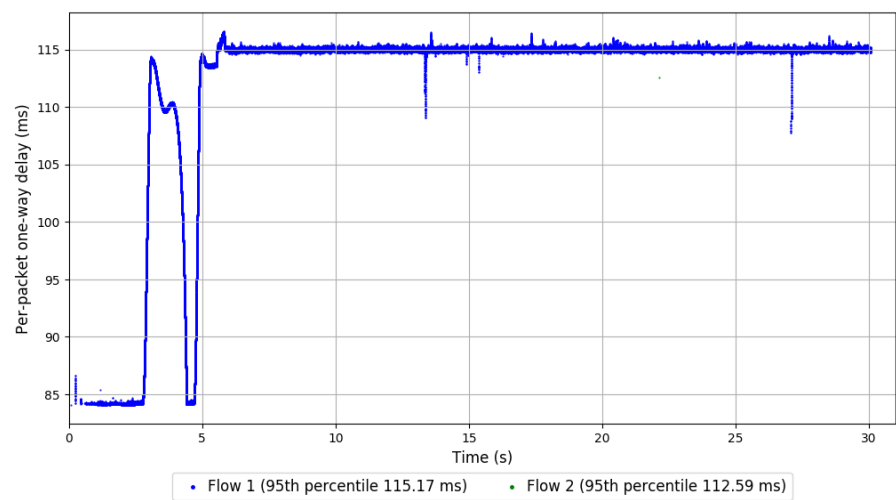
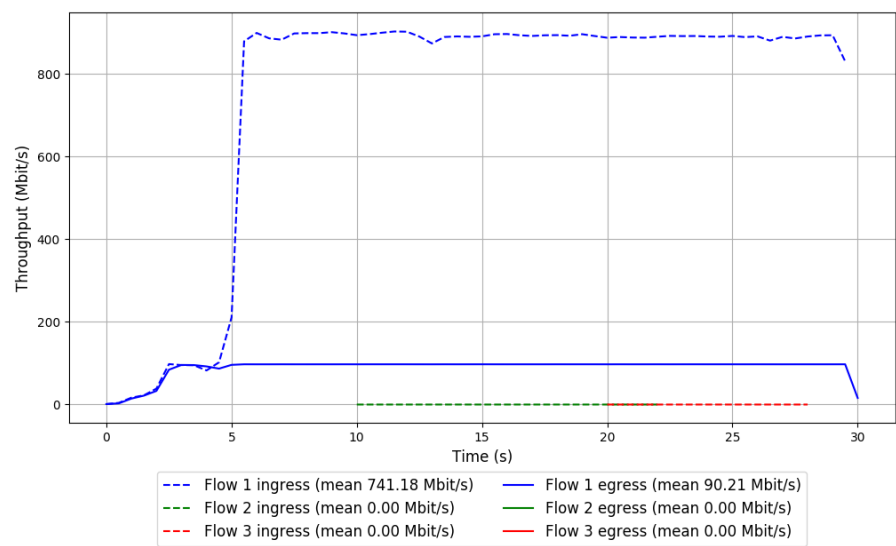


Run 2: Statistics of Copa

Start at: 2018-03-06 16:14:55
End at: 2018-03-06 16:15:25
Local clock offset: -6.611 ms
Remote clock offset: -5.072 ms

Below is generated by plot.py at 2018-03-06 20:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 115.169 ms
Loss rate: 87.82%
-- Flow 1:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 115.169 ms
Loss rate: 87.82%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.592 ms
Loss rate: 85.71%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Copa — Data Link

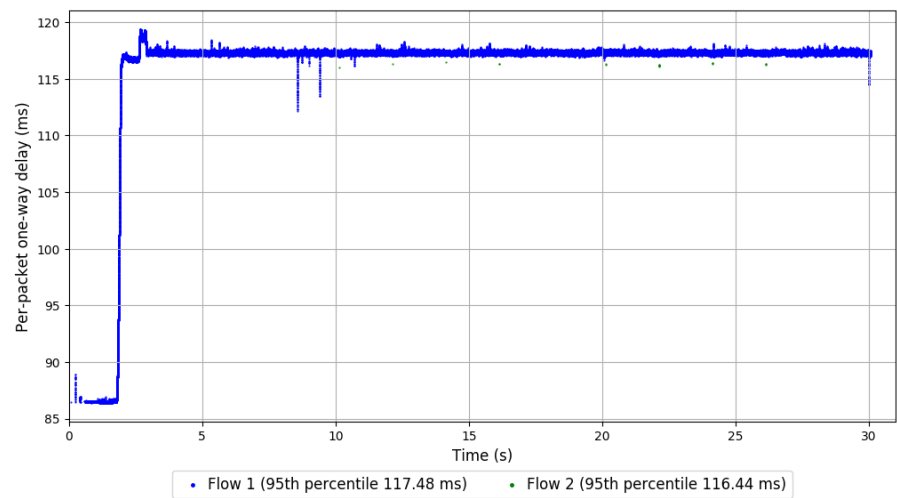
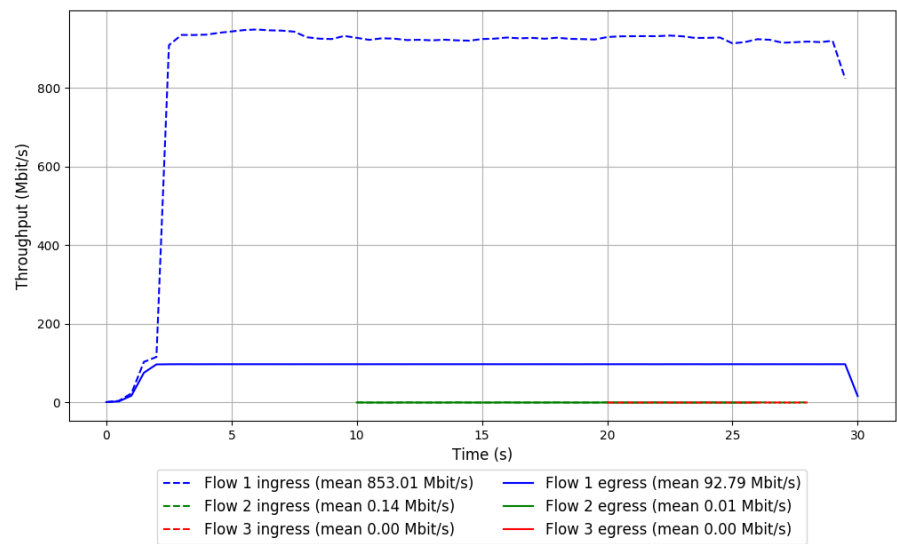


Run 3: Statistics of Copa

Start at: 2018-03-06 16:38:36
End at: 2018-03-06 16:39:06
Local clock offset: -6.456 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-03-06 20:23:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 89.11%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 89.11%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 116.438 ms
Loss rate: 94.62%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 3: Report of Copa — Data Link

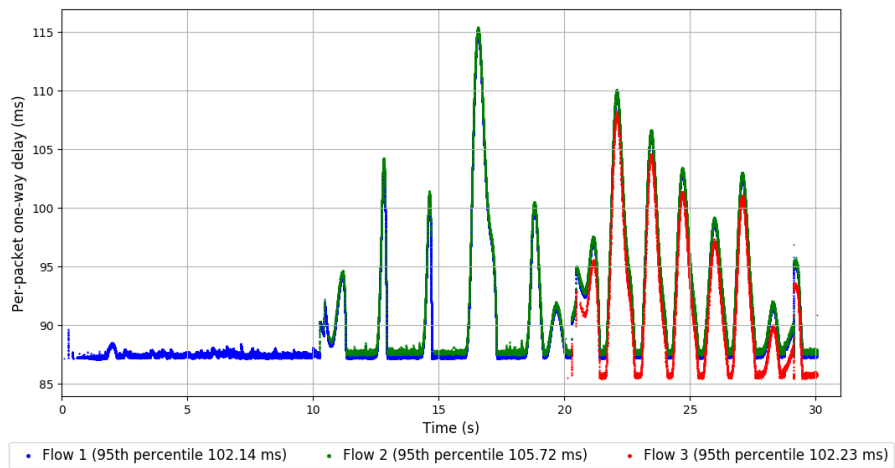
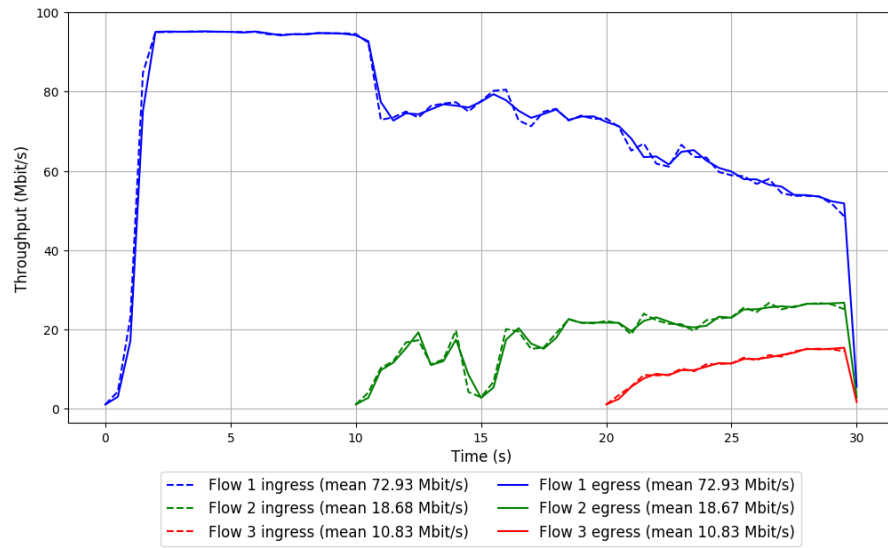


Run 4: Statistics of Copa

Start at: 2018-03-06 17:02:26
End at: 2018-03-06 17:02:56
Local clock offset: -6.299 ms
Remote clock offset: -1.034 ms

```
# Below is generated by plot.py at 2018-03-06 20:23:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 102.664 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.93 Mbit/s
95th percentile per-packet one-way delay: 102.140 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 105.718 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 102.233 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

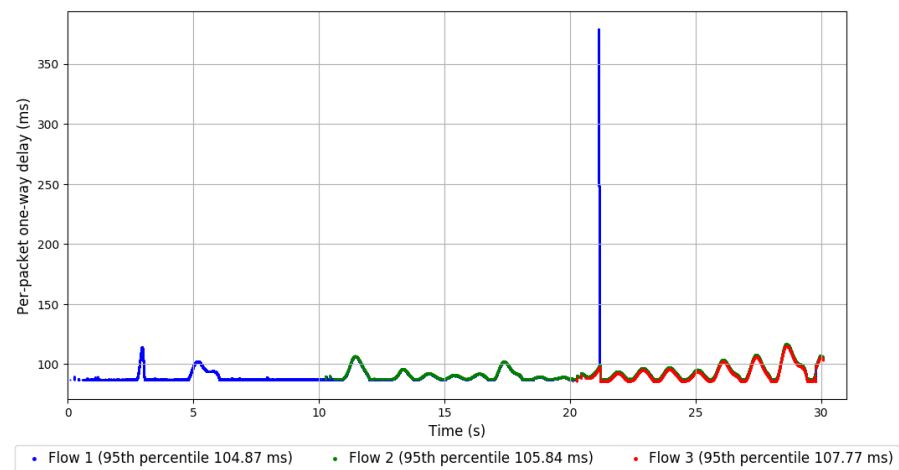
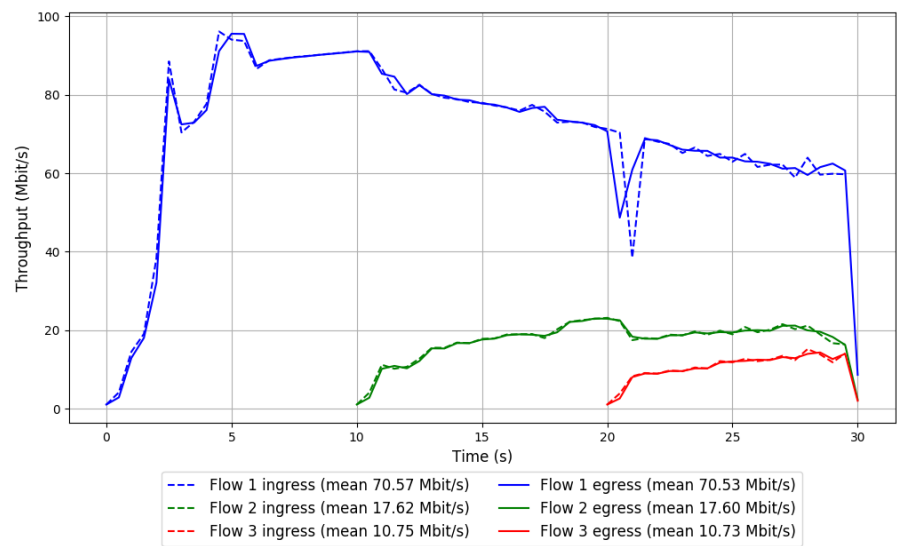


Run 5: Statistics of Copa

Start at: 2018-03-06 17:25:53
End at: 2018-03-06 17:26:23
Local clock offset: -5.928 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-03-06 20:23:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 105.283 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 104.869 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 105.842 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 107.773 ms
Loss rate: 0.04%

Run 5: Report of Copa — Data Link

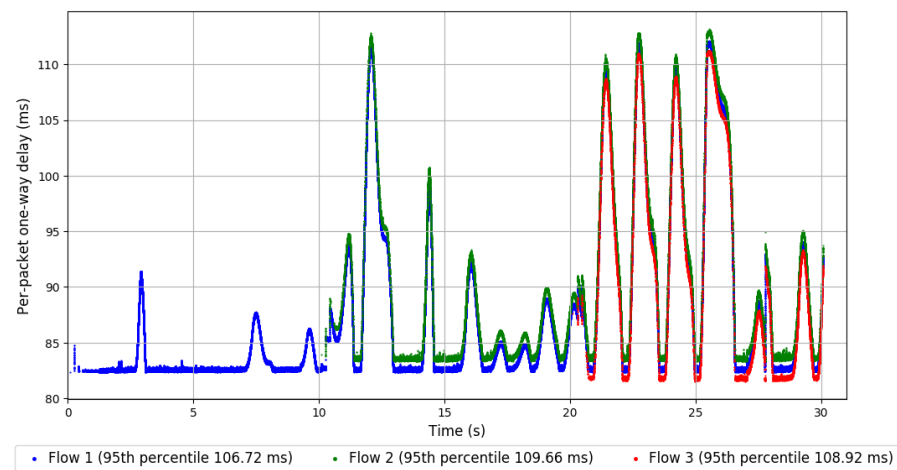
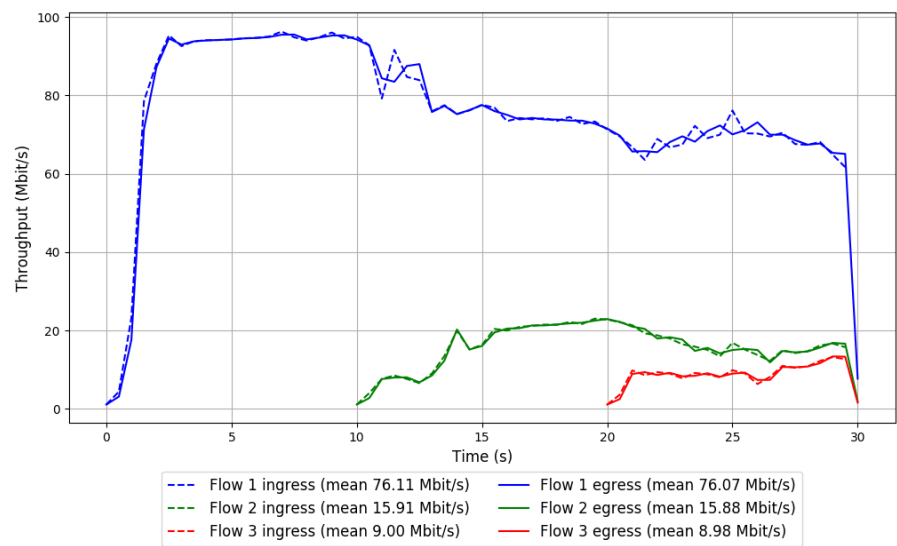


Run 6: Statistics of Copa

Start at: 2018-03-06 17:49:28
End at: 2018-03-06 17:49:58
Local clock offset: -6.546 ms
Remote clock offset: -5.215 ms

Below is generated by plot.py at 2018-03-06 20:23:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 107.432 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 106.718 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 109.656 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 108.922 ms
Loss rate: 0.18%

Run 6: Report of Copa — Data Link

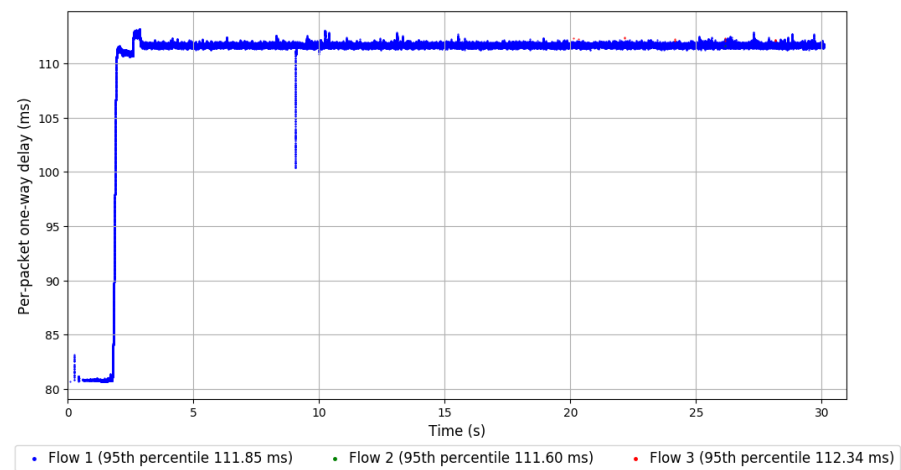
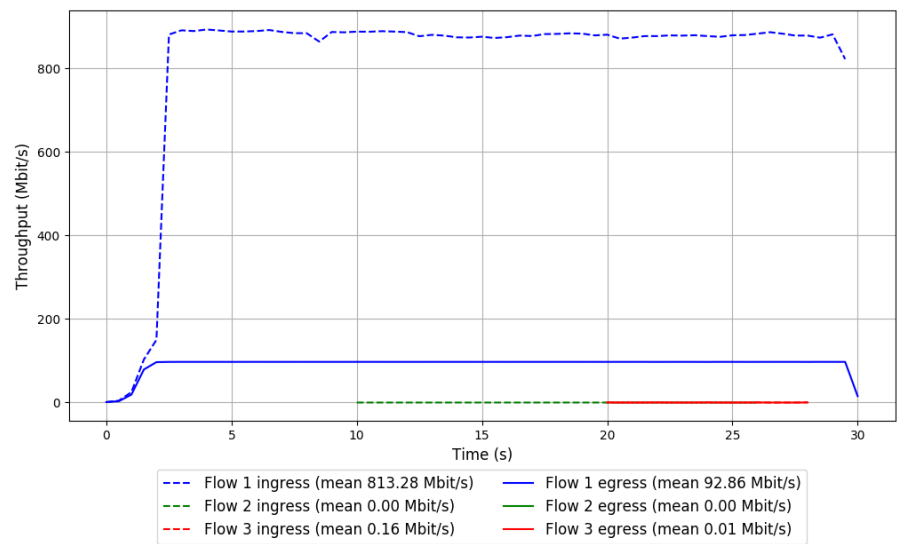


Run 7: Statistics of Copa

Start at: 2018-03-06 18:13:03
End at: 2018-03-06 18:13:33
Local clock offset: -6.737 ms
Remote clock offset: -5.817 ms

```
# Below is generated by plot.py at 2018-03-06 20:23:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 88.57%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 111.852 ms
Loss rate: 88.57%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.596 ms
Loss rate: 88.89%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 112.339 ms
Loss rate: 91.39%
```


Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-06 18:36:52

End at: 2018-03-06 18:37:22

Local clock offset: -6.83 ms

Remote clock offset: 7.439 ms

Below is generated by plot.py at 2018-03-06 20:25:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 111.576 ms

Loss rate: 89.67%

-- Flow 1:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 111.576 ms

Loss rate: 89.67%

-- Flow 2:

Average throughput: 0.00 Mbit/s

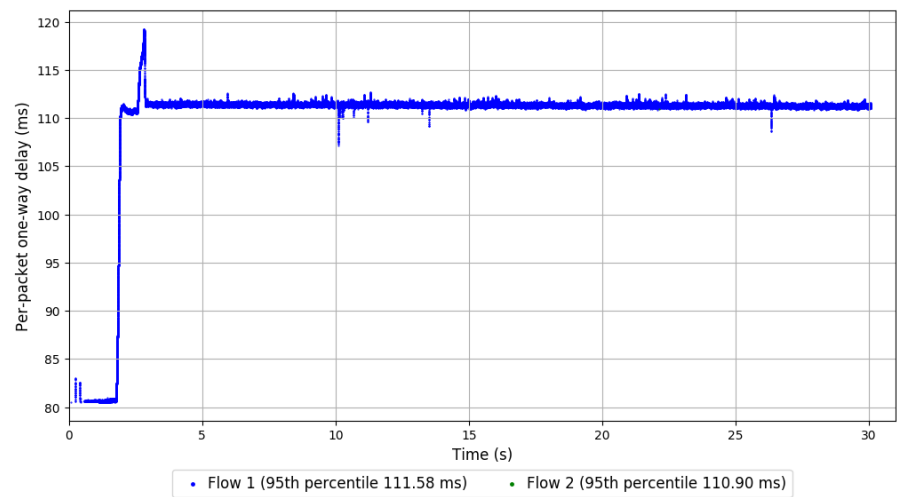
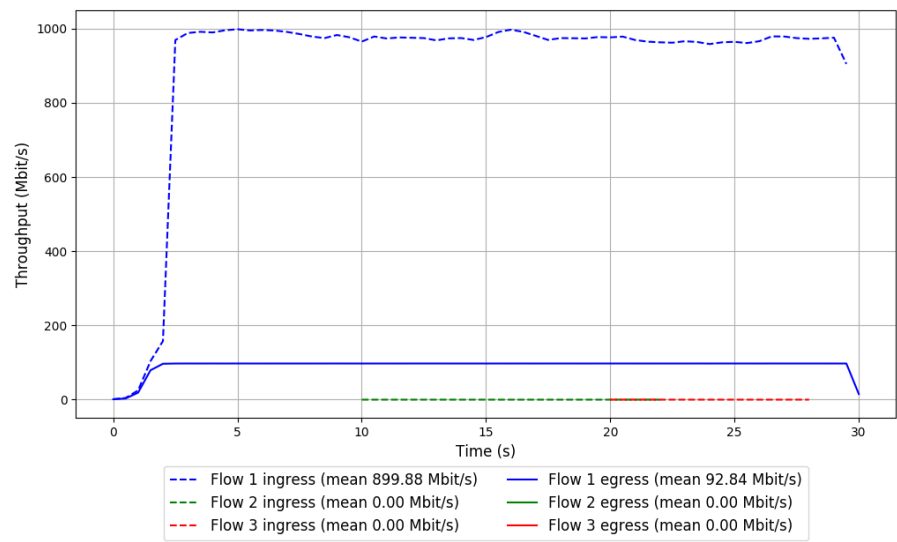
95th percentile per-packet one-way delay: 110.901 ms

Loss rate: 85.71%

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link

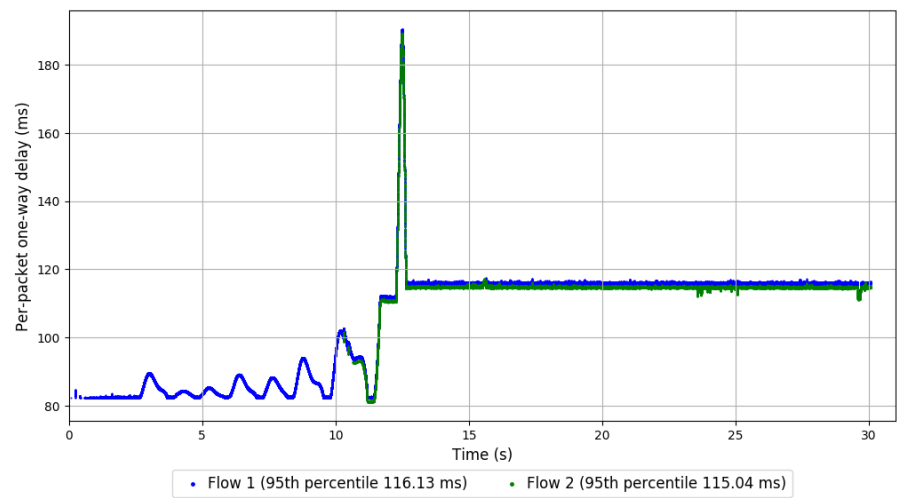
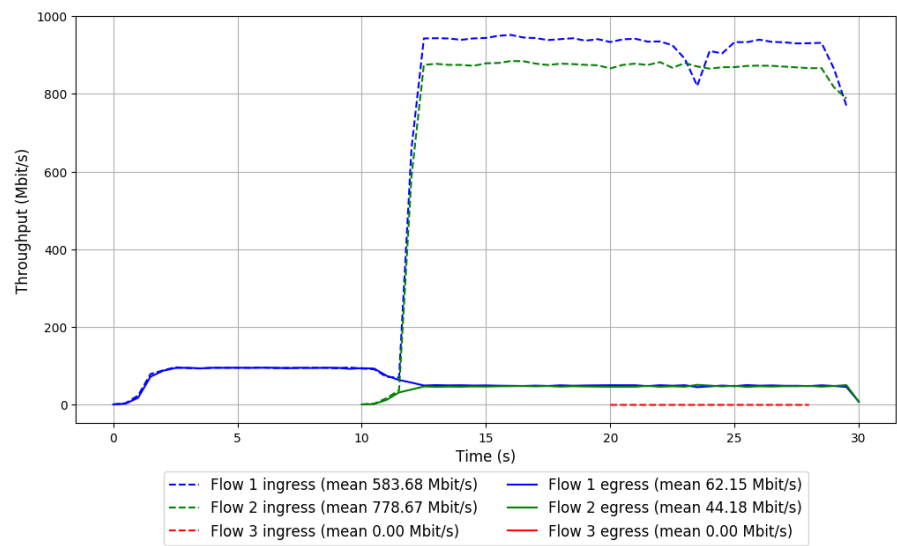


Run 9: Statistics of Copa

Start at: 2018-03-06 19:00:39
End at: 2018-03-06 19:01:09
Local clock offset: -6.156 ms
Remote clock offset: 14.081 ms

Below is generated by plot.py at 2018-03-06 20:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 116.110 ms
Loss rate: 91.68%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 116.129 ms
Loss rate: 89.34%
-- Flow 2:
Average throughput: 44.18 Mbit/s
95th percentile per-packet one-way delay: 115.043 ms
Loss rate: 94.32%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 9: Report of Copa — Data Link

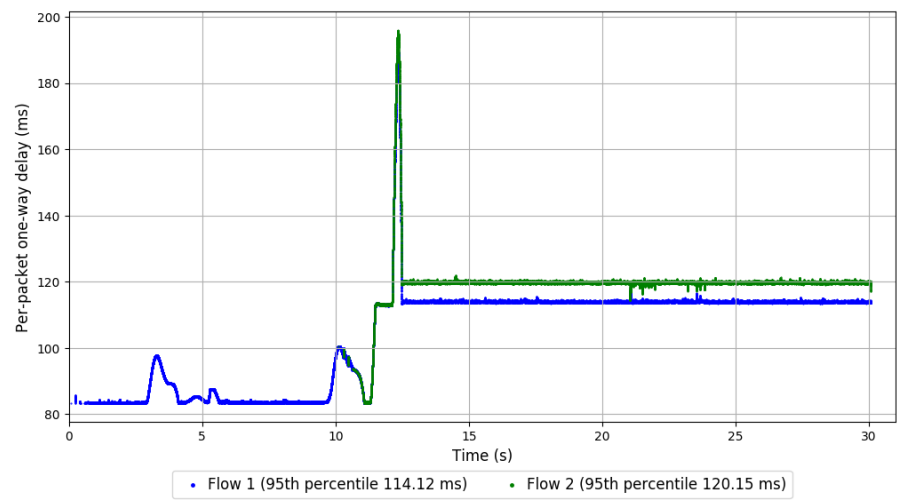
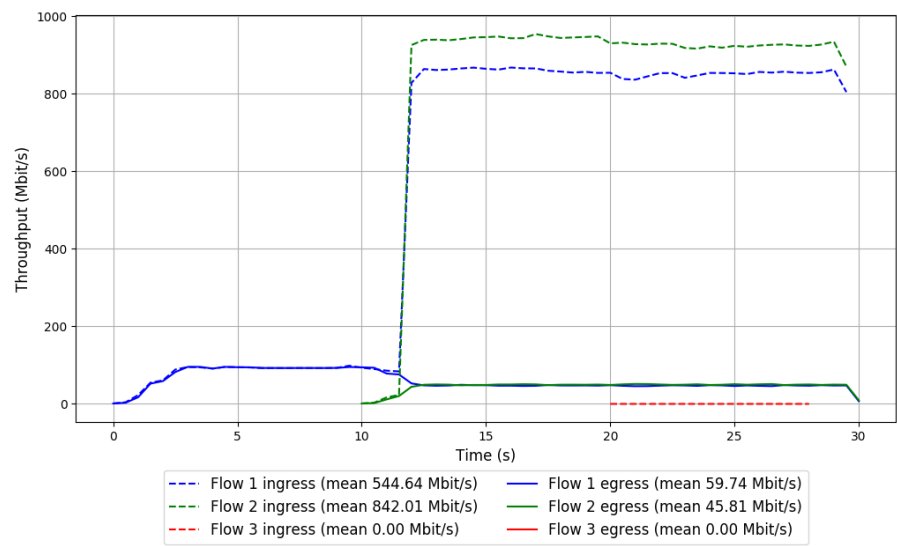


Run 10: Statistics of Copa

Start at: 2018-03-06 19:24:31
End at: 2018-03-06 19:25:01
Local clock offset: -6.208 ms
Remote clock offset: 20.147 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 119.970 ms
Loss rate: 91.83%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 114.121 ms
Loss rate: 89.02%
-- Flow 2:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 120.154 ms
Loss rate: 94.55%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-06 16:00:32

End at: 2018-03-06 16:01:02

Local clock offset: -6.494 ms

Remote clock offset: -5.3 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 32.53%

-- Flow 1:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 24.62%

-- Flow 2:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 110.163 ms

Loss rate: 35.45%

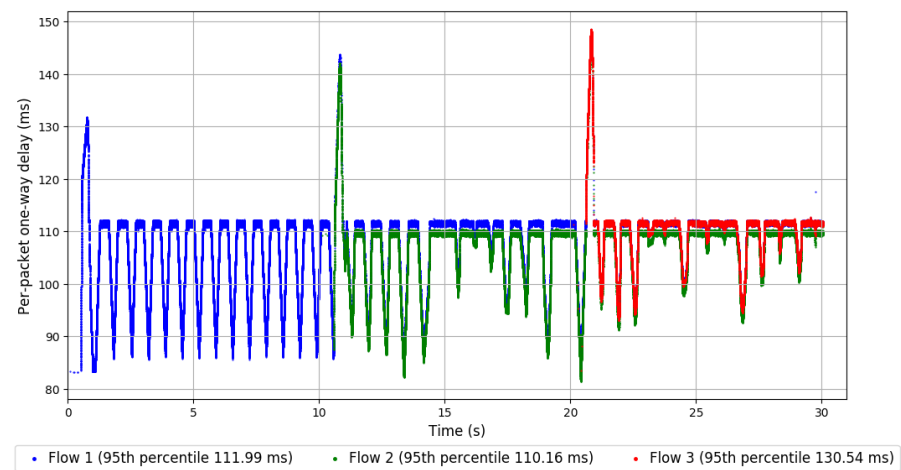
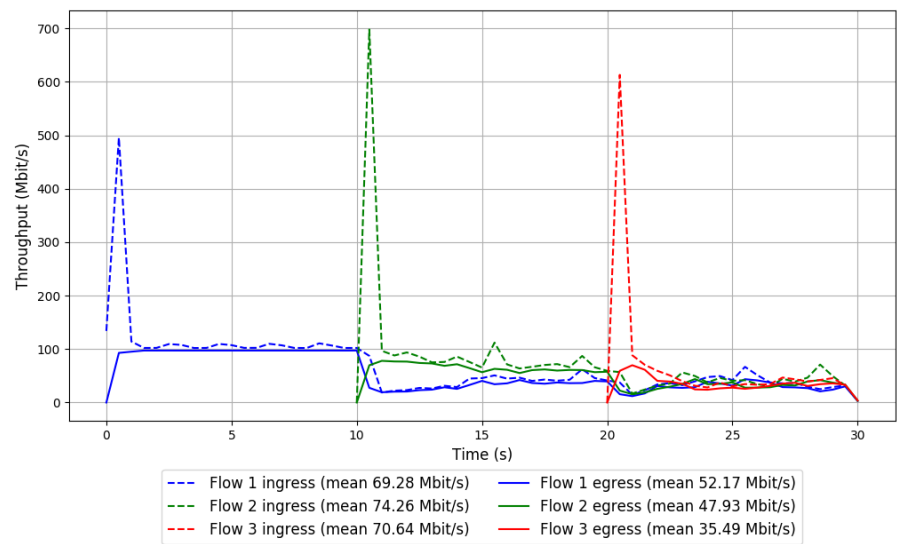
-- Flow 3:

Average throughput: 35.49 Mbit/s

95th percentile per-packet one-way delay: 130.540 ms

Loss rate: 49.76%

Run 1: Report of FillP — Data Link

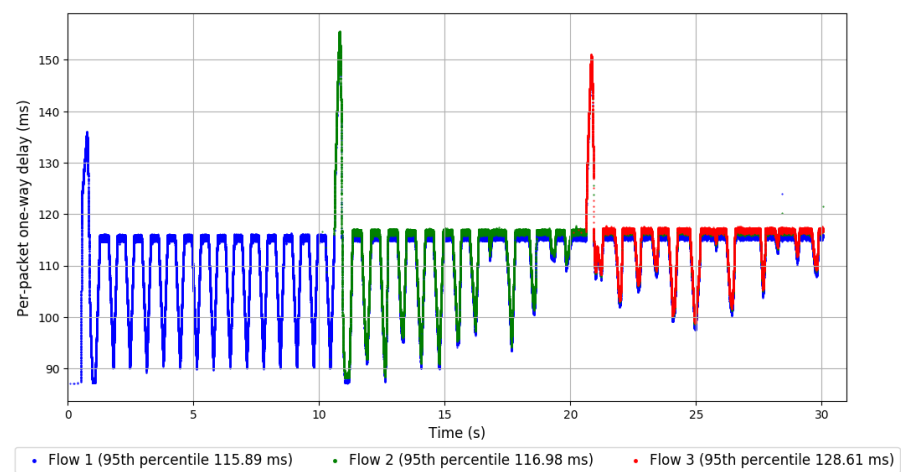
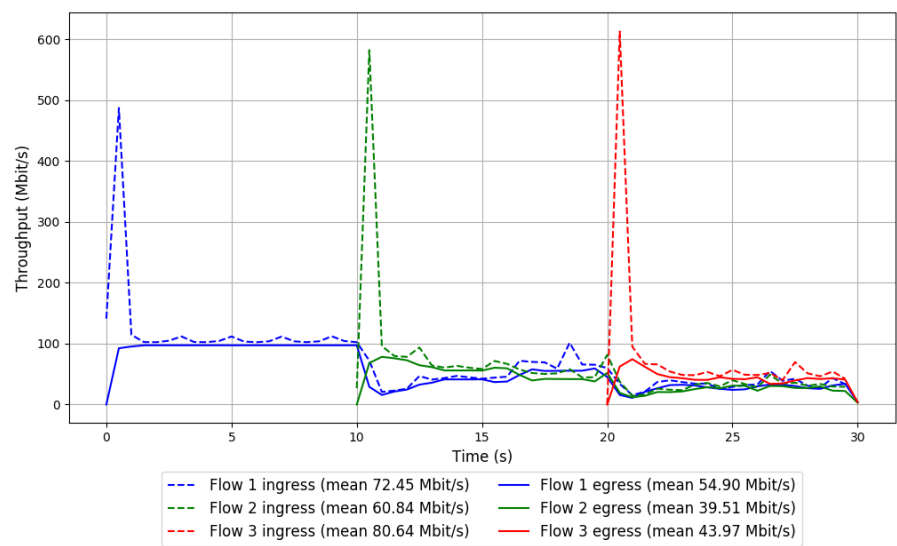


Run 2: Statistics of FillP

Start at: 2018-03-06 16:24:17
End at: 2018-03-06 16:24:47
Local clock offset: -6.601 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 117.095 ms
Loss rate: 31.39%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 115.890 ms
Loss rate: 24.15%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 116.984 ms
Loss rate: 35.05%
-- Flow 3:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 128.612 ms
Loss rate: 45.49%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-06 16:48:00

End at: 2018-03-06 16:48:30

Local clock offset: -6.475 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 117.940 ms

Loss rate: 31.56%

-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 117.924 ms

Loss rate: 24.07%

-- Flow 2:

Average throughput: 41.23 Mbit/s

95th percentile per-packet one-way delay: 117.798 ms

Loss rate: 34.28%

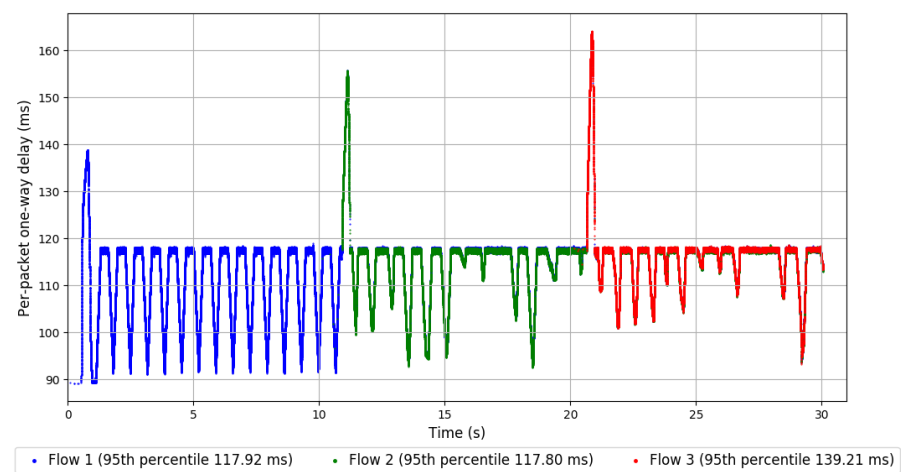
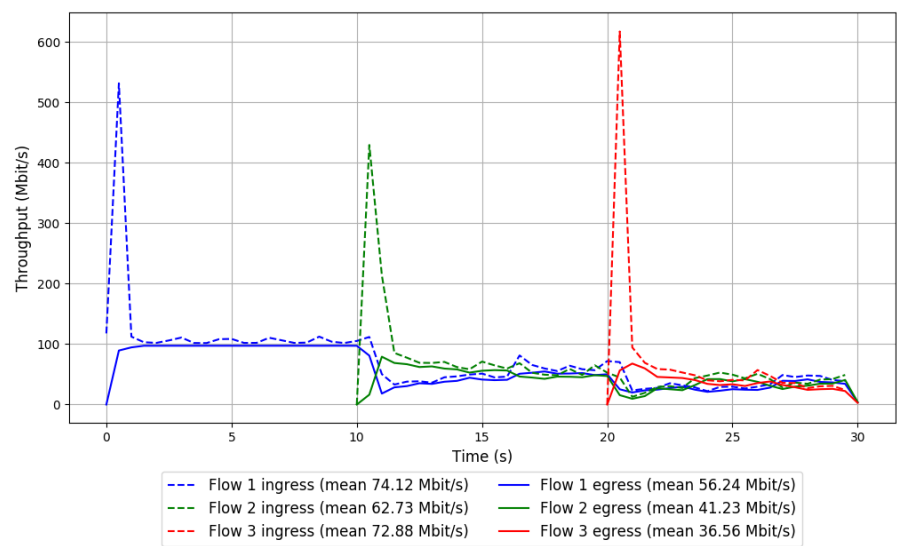
-- Flow 3:

Average throughput: 36.56 Mbit/s

95th percentile per-packet one-way delay: 139.209 ms

Loss rate: 49.86%

Run 3: Report of FillP — Data Link

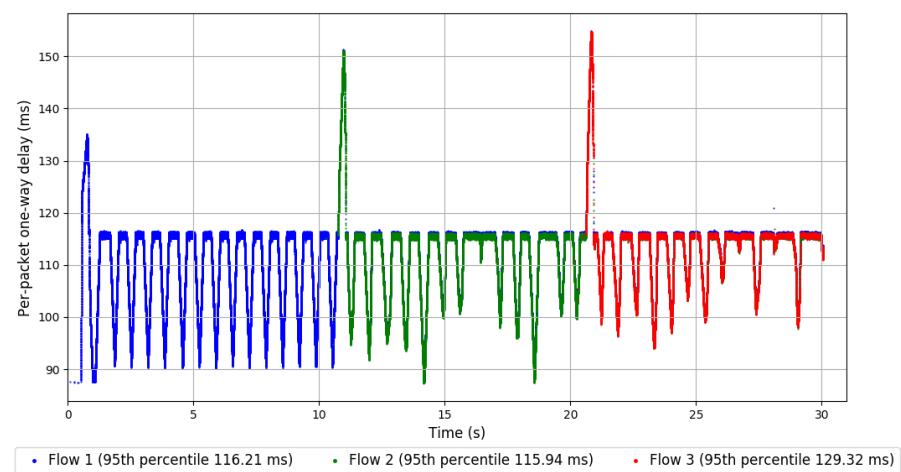
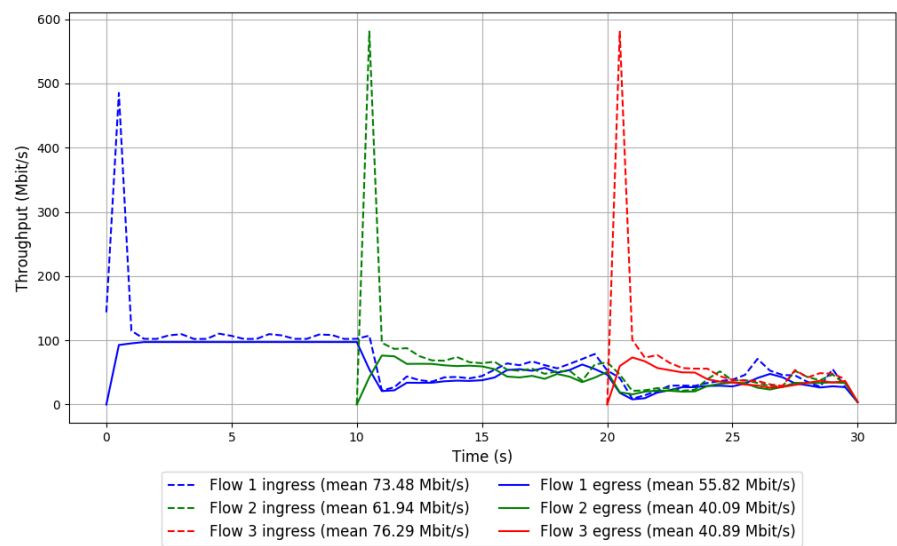


Run 4: Statistics of FillP

Start at: 2018-03-06 17:11:35
End at: 2018-03-06 17:12:05
Local clock offset: -6.055 ms
Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 116.196 ms
Loss rate: 31.50%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 116.206 ms
Loss rate: 23.97%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 115.937 ms
Loss rate: 35.77%
-- Flow 3:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 129.320 ms
Loss rate: 46.38%

Run 4: Report of FillP — Data Link

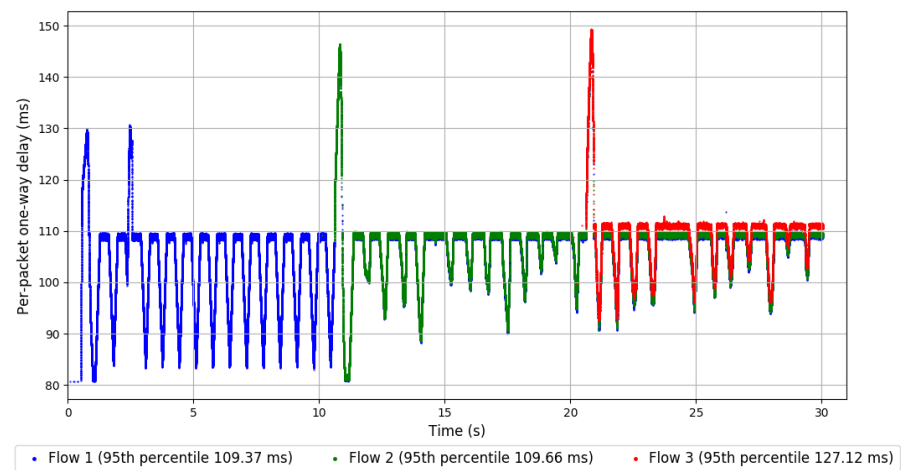
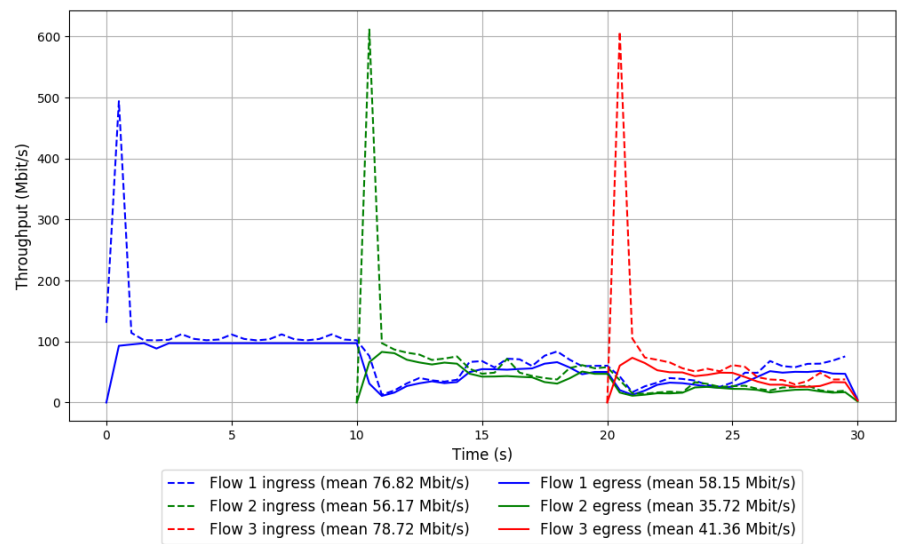


Run 5: Statistics of FillP

Start at: 2018-03-06 17:35:04
End at: 2018-03-06 17:35:34
Local clock offset: -5.918 ms
Remote clock offset: -6.016 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 111.256 ms
Loss rate: 31.79%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 109.367 ms
Loss rate: 24.23%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 109.663 ms
Loss rate: 36.40%
-- Flow 3:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 127.124 ms
Loss rate: 47.45%

Run 5: Report of FillP — Data Link

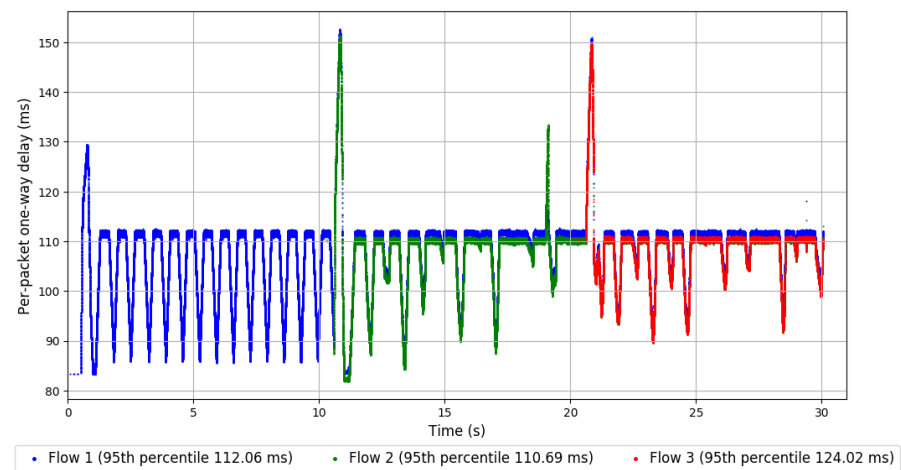
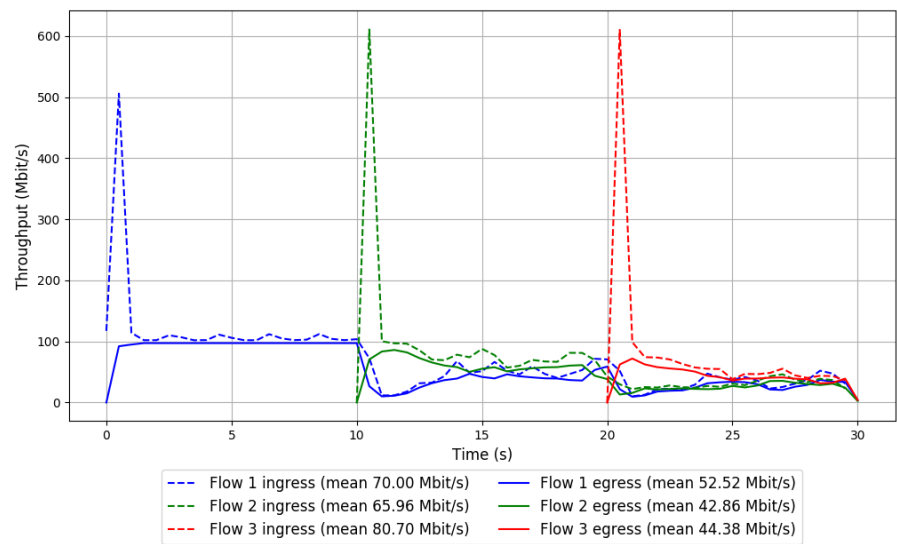


Run 6: Statistics of FillP

Start at: 2018-03-06 17:58:40
End at: 2018-03-06 17:59:10
Local clock offset: -6.658 ms
Remote clock offset: -4.961 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 112.057 ms
Loss rate: 31.88%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 24.90%
-- Flow 2:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 110.686 ms
Loss rate: 35.01%
-- Flow 3:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 124.021 ms
Loss rate: 45.01%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-06 18:22:31

End at: 2018-03-06 18:23:01

Local clock offset: -6.819 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 116.676 ms

Loss rate: 31.87%

-- Flow 1:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 115.151 ms

Loss rate: 25.22%

-- Flow 2:

Average throughput: 46.42 Mbit/s

95th percentile per-packet one-way delay: 116.795 ms

Loss rate: 33.41%

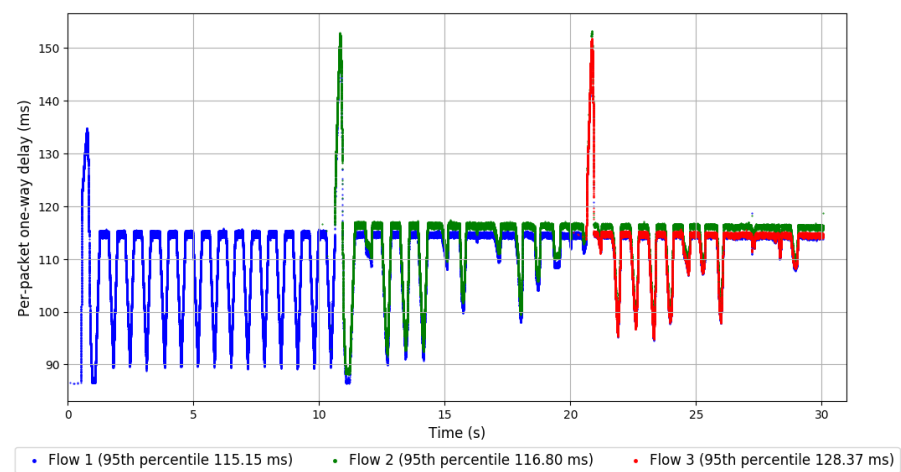
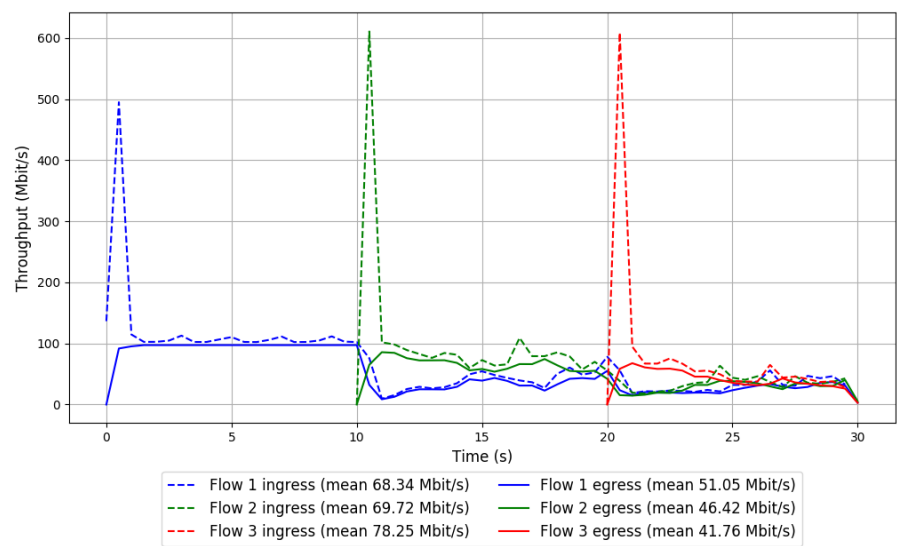
-- Flow 3:

Average throughput: 41.76 Mbit/s

95th percentile per-packet one-way delay: 128.369 ms

Loss rate: 46.64%

Run 7: Report of FillP — Data Link

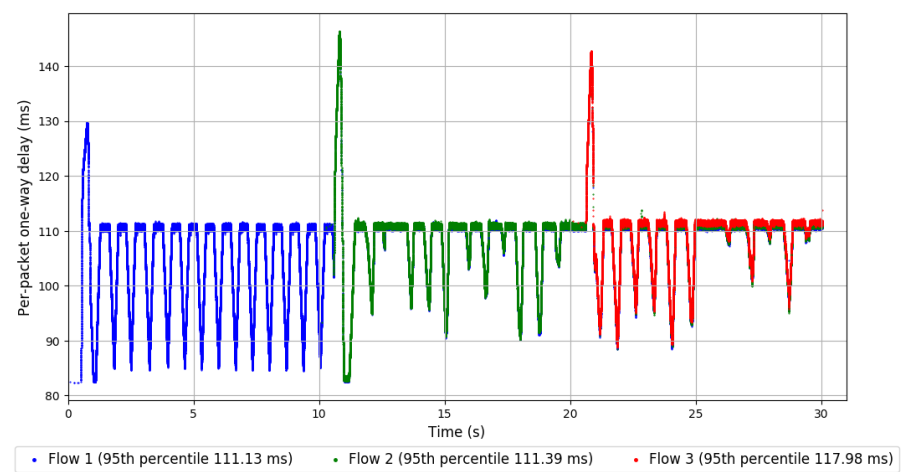
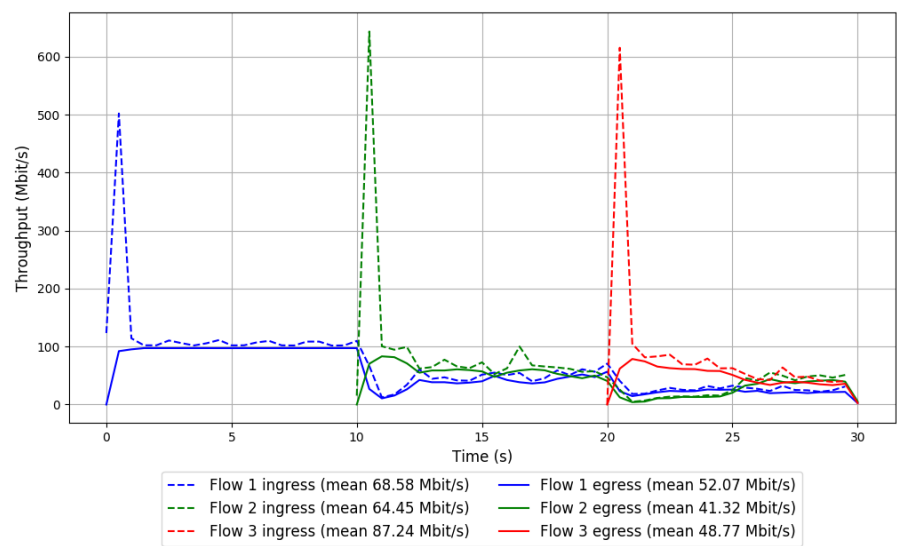


Run 8: Statistics of FillP

Start at: 2018-03-06 18:46:19
End at: 2018-03-06 18:46:49
Local clock offset: -6.577 ms
Remote clock offset: 10.858 ms

```
# Below is generated by plot.py at 2018-03-06 20:27:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 111.754 ms
Loss rate: 31.76%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 111.128 ms
Loss rate: 24.01%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 111.394 ms
Loss rate: 35.85%
-- Flow 3:
Average throughput: 48.77 Mbit/s
95th percentile per-packet one-way delay: 117.984 ms
Loss rate: 44.10%
```

Run 8: Report of FillP — Data Link

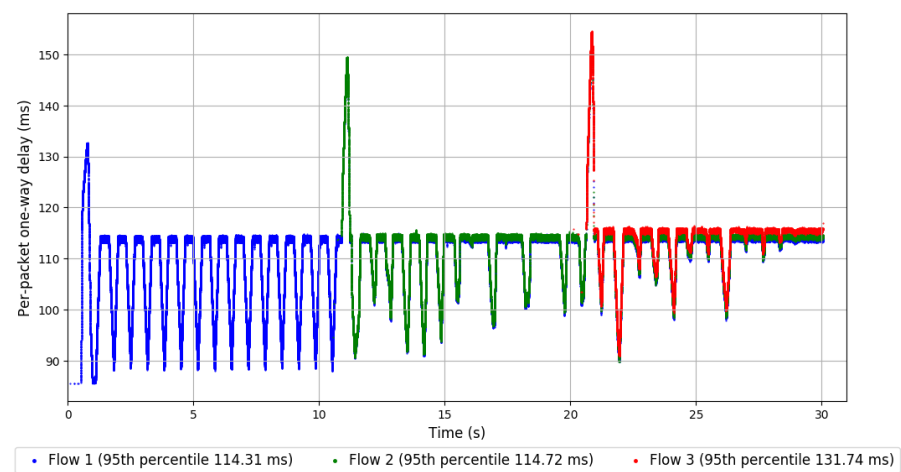
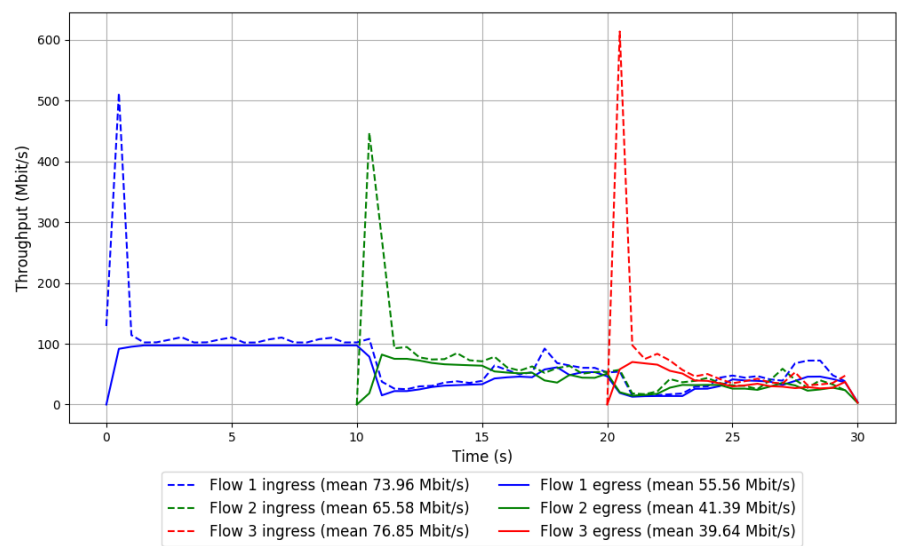


Run 9: Statistics of FillP

Start at: 2018-03-06 19:10:12
End at: 2018-03-06 19:10:42
Local clock offset: -5.924 ms
Remote clock offset: 20.986 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 115.742 ms
Loss rate: 32.98%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 114.309 ms
Loss rate: 24.81%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 114.723 ms
Loss rate: 37.82%
-- Flow 3:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 131.737 ms
Loss rate: 48.43%

Run 9: Report of FillP — Data Link

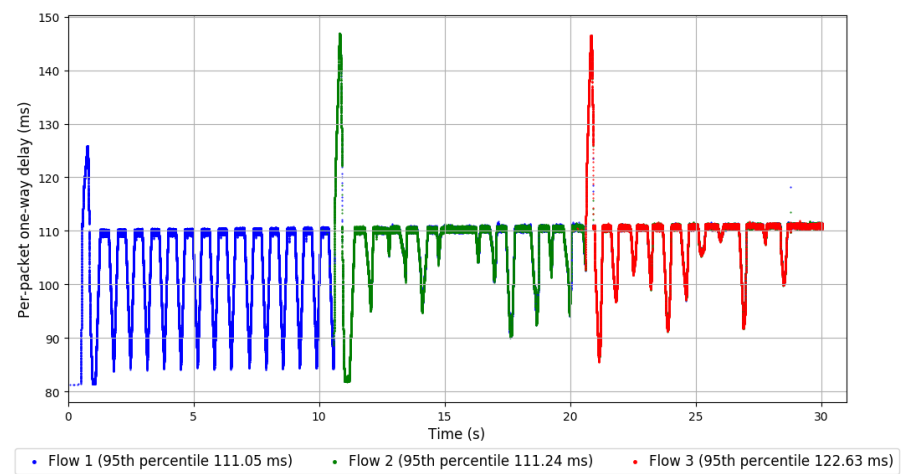
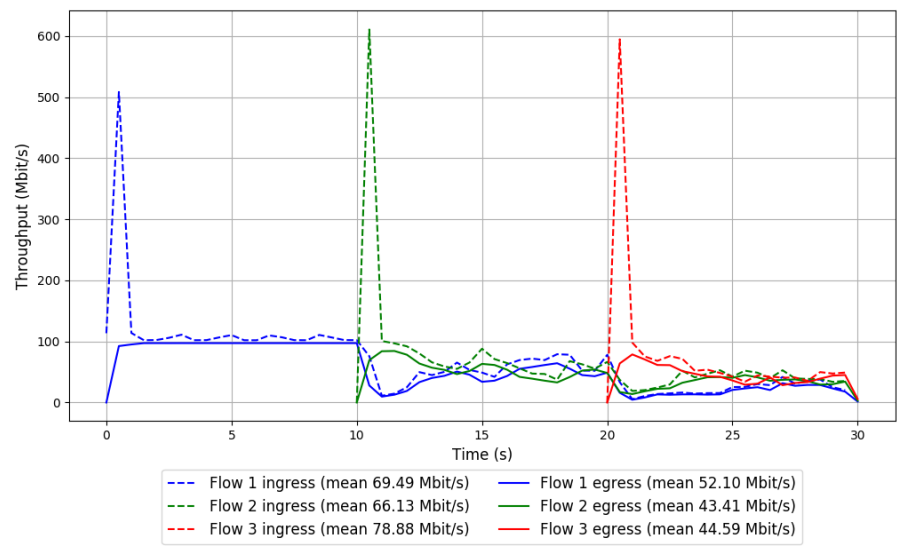


Run 10: Statistics of FillP

Start at: 2018-03-06 19:34:05
End at: 2018-03-06 19:34:35
Local clock offset: -6.359 ms
Remote clock offset: 13.116 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 111.204 ms
Loss rate: 31.38%
-- Flow 1:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 24.95%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 111.238 ms
Loss rate: 34.36%
-- Flow 3:
Average throughput: 44.59 Mbit/s
95th percentile per-packet one-way delay: 122.633 ms
Loss rate: 43.46%

Run 10: Report of FillP — Data Link

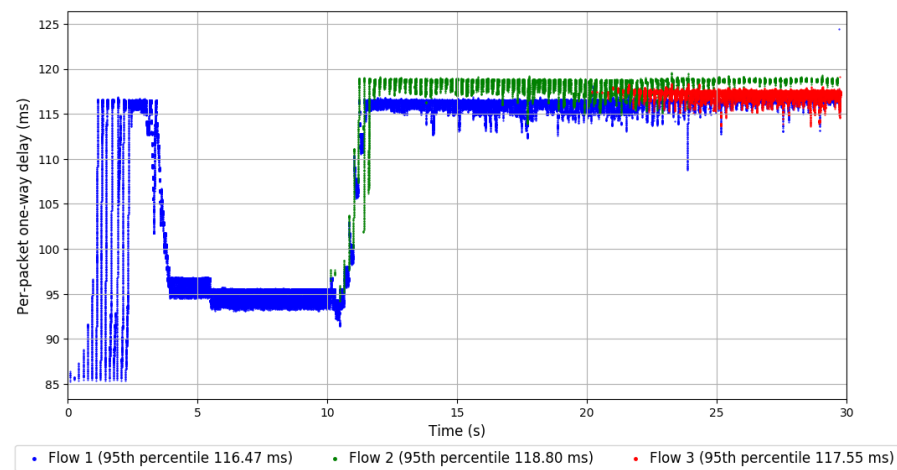
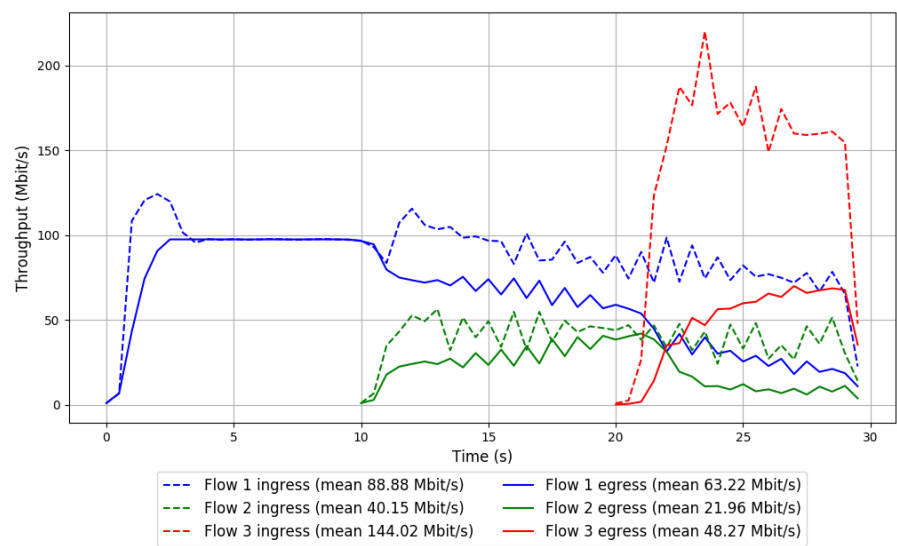


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 15:40:49
End at: 2018-03-06 15:41:19
Local clock offset: -6.396 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 118.670 ms
Loss rate: 42.32%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 116.474 ms
Loss rate: 28.80%
-- Flow 2:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 118.803 ms
Loss rate: 45.23%
-- Flow 3:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 117.548 ms
Loss rate: 66.49%

Run 1: Report of Indigo-1-32 — Data Link

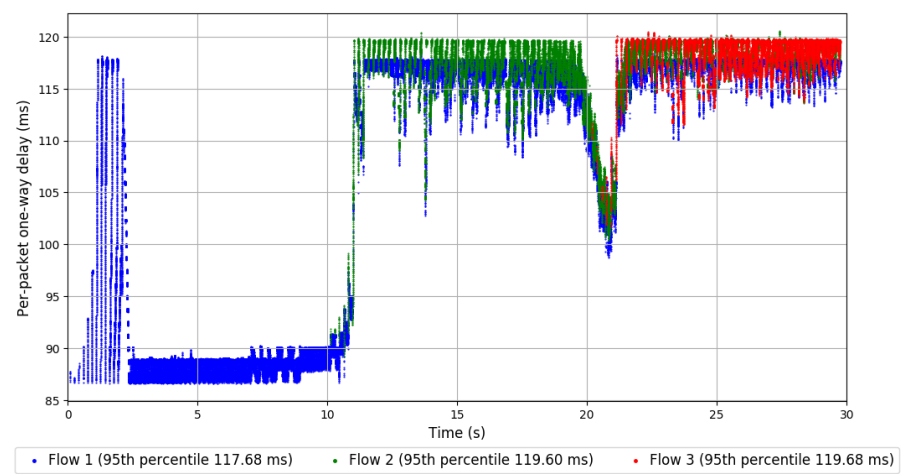
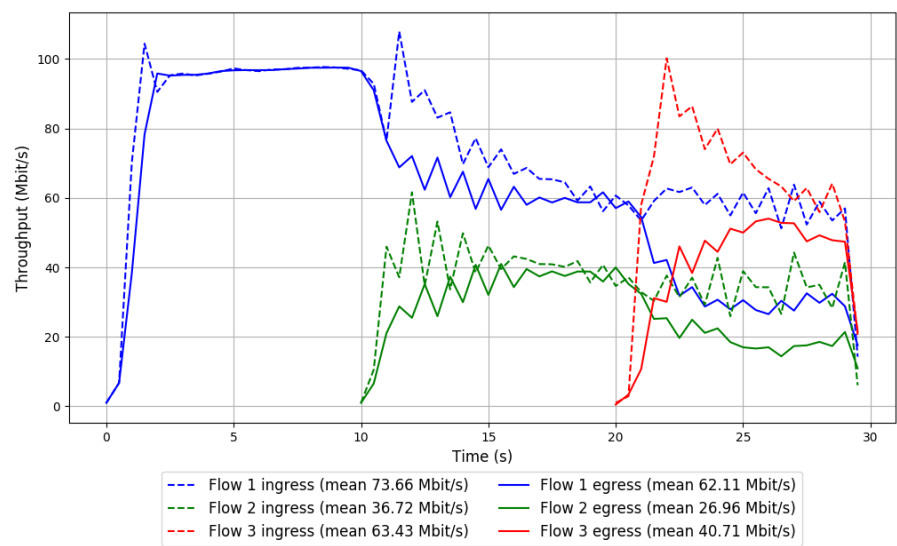


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 16:04:21
End at: 2018-03-06 16:04:51
Local clock offset: -6.601 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 119.533 ms
Loss rate: 21.31%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 117.684 ms
Loss rate: 15.60%
-- Flow 2:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 119.599 ms
Loss rate: 26.48%
-- Flow 3:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 119.681 ms
Loss rate: 35.76%

Run 2: Report of Indigo-1-32 — Data Link

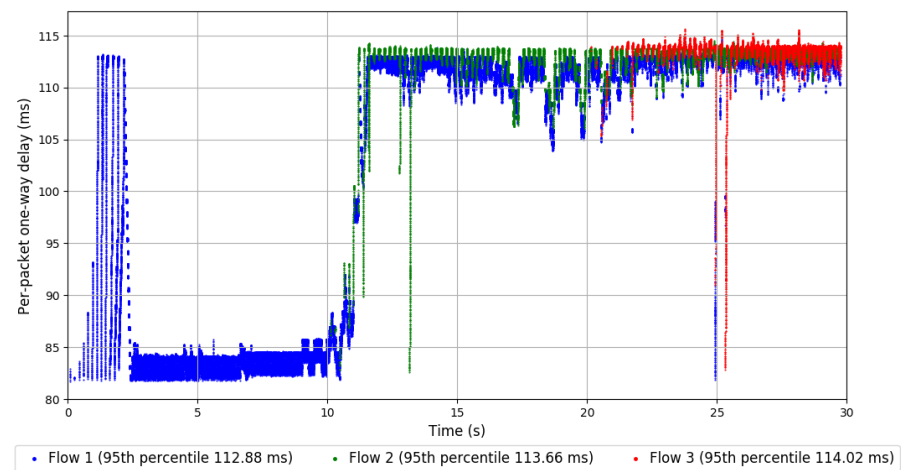
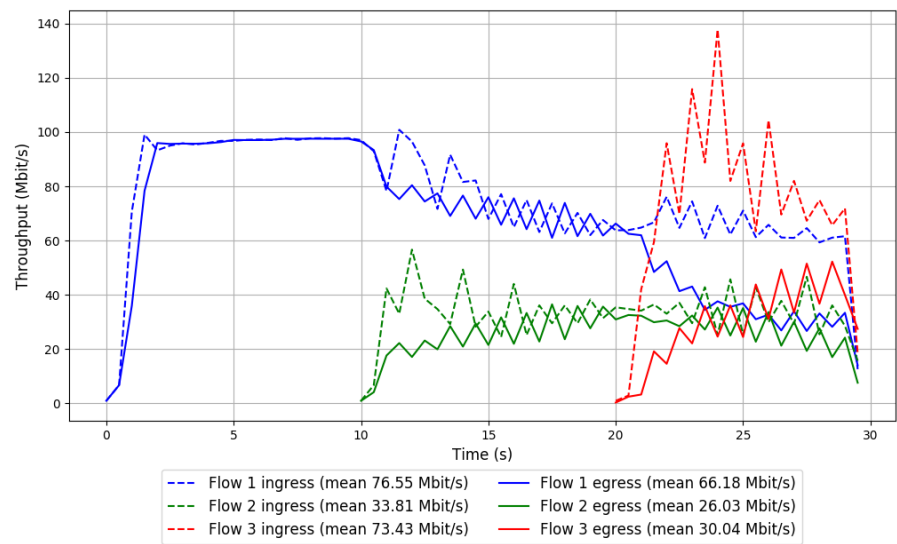


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 16:28:05
End at: 2018-03-06 16:28:35
Local clock offset: -6.539 ms
Remote clock offset: -6.214 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 24.02%
-- Flow 1:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 112.881 ms
Loss rate: 13.47%
-- Flow 2:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 113.660 ms
Loss rate: 22.88%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 114.016 ms
Loss rate: 59.09%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 16:51:49

End at: 2018-03-06 16:52:19

Local clock offset: -6.418 ms

Remote clock offset: -6.01 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 113.752 ms

Loss rate: 29.53%

-- Flow 1:

Average throughput: 61.77 Mbit/s

95th percentile per-packet one-way delay: 111.848 ms

Loss rate: 17.02%

-- Flow 2:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 113.572 ms

Loss rate: 32.79%

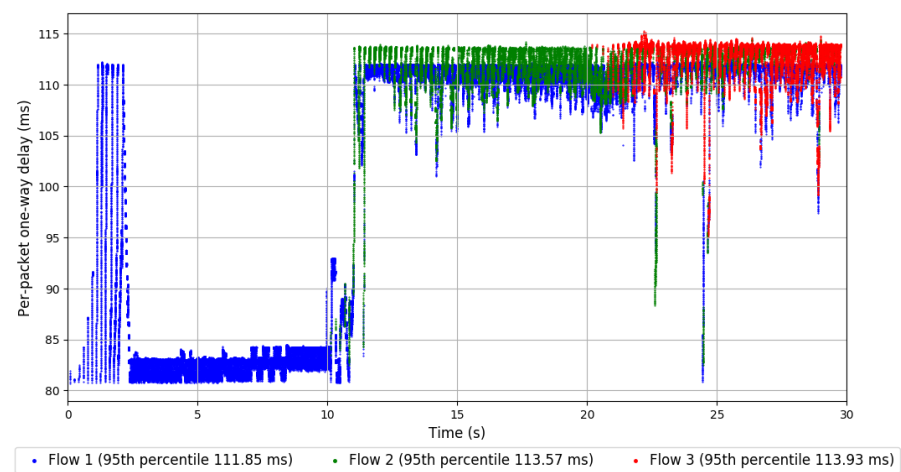
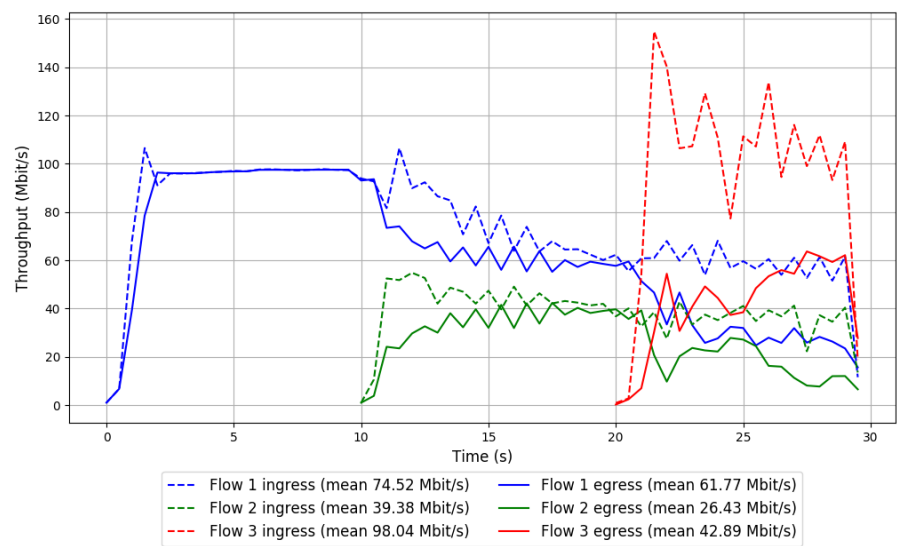
-- Flow 3:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 113.927 ms

Loss rate: 56.27%

Run 4: Report of Indigo-1-32 — Data Link

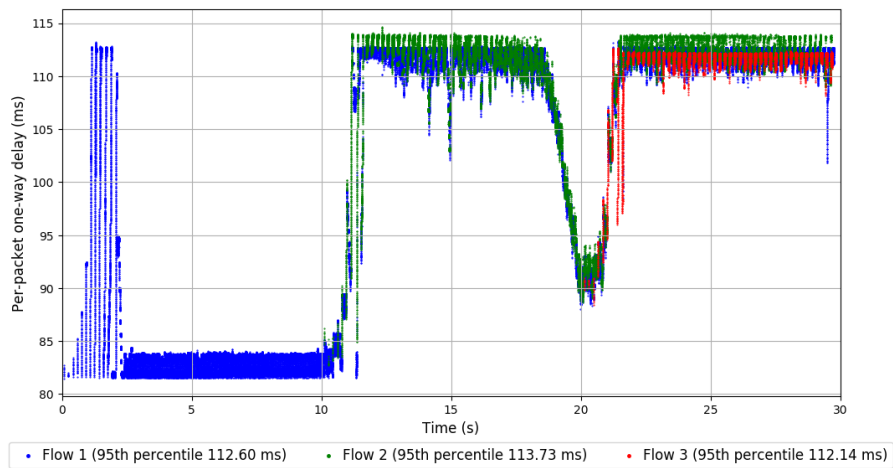
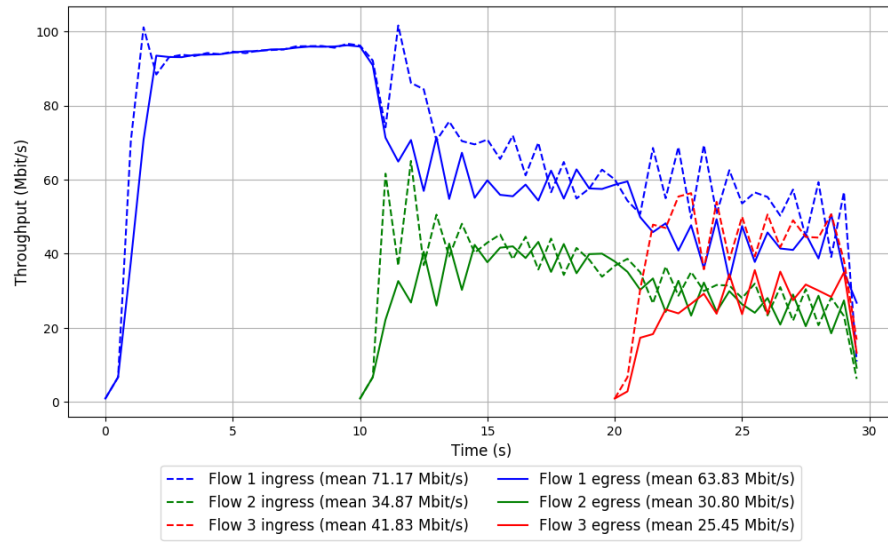


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 17:15:23
End at: 2018-03-06 17:15:53
Local clock offset: -6.028 ms
Remote clock offset: -6.053 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 113.258 ms
Loss rate: 14.10%
-- Flow 1:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 112.601 ms
Loss rate: 10.21%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 113.733 ms
Loss rate: 11.56%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 112.137 ms
Loss rate: 39.03%

Run 5: Report of Indigo-1-32 — Data Link

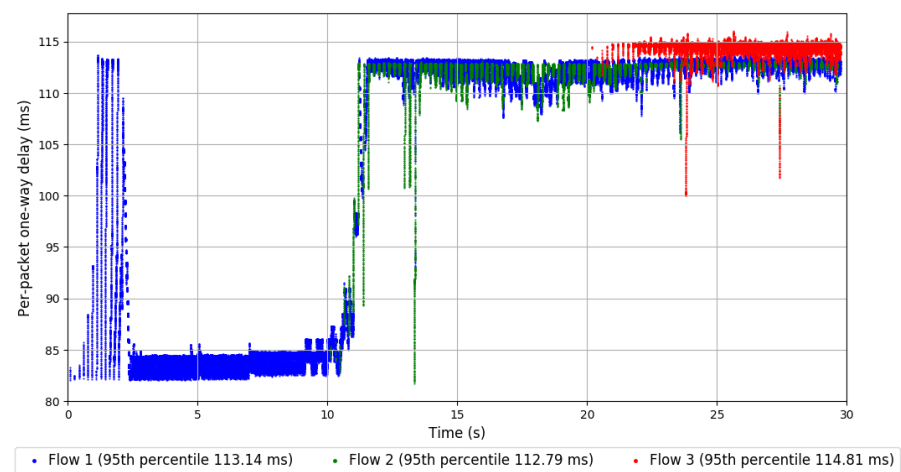
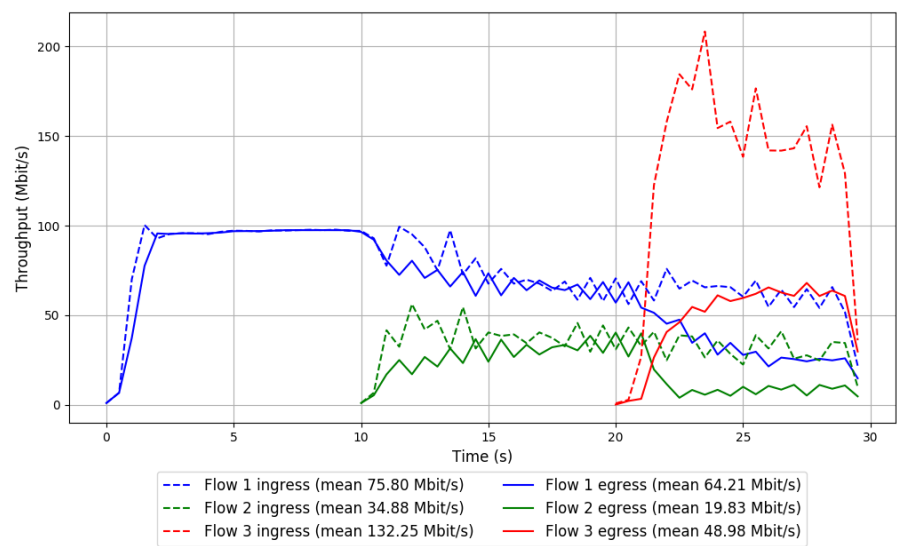


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 17:38:54
End at: 2018-03-06 17:39:24
Local clock offset: -6.196 ms
Remote clock offset: -5.127 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 114.677 ms
Loss rate: 34.15%
-- Flow 1:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 113.144 ms
Loss rate: 15.20%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 112.788 ms
Loss rate: 43.07%
-- Flow 3:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 114.811 ms
Loss rate: 62.97%

Run 6: Report of Indigo-1-32 — Data Link

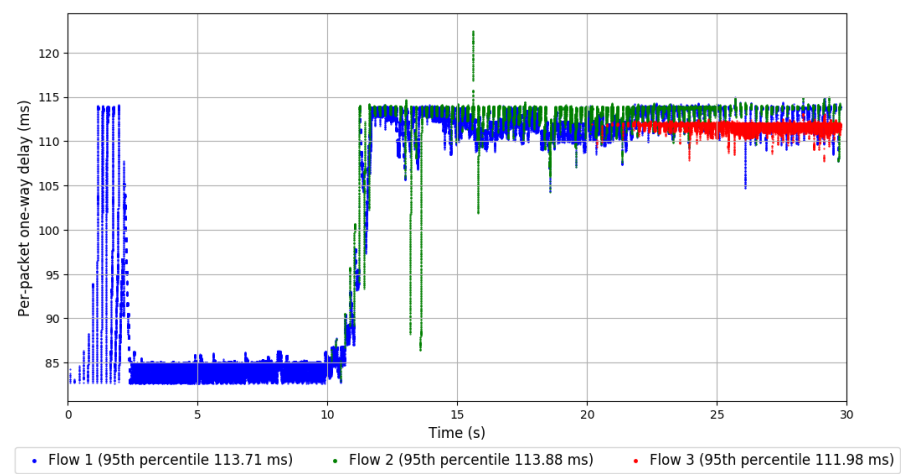
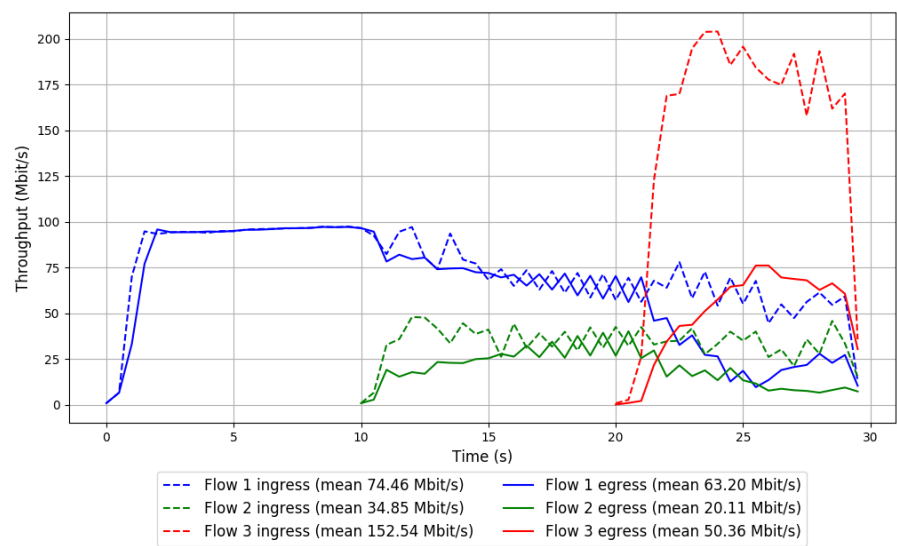


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 18:02:28
End at: 2018-03-06 18:02:58
Local clock offset: -6.685 ms
Remote clock offset: -5.822 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 113.760 ms
Loss rate: 36.75%
-- Flow 1:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 113.711 ms
Loss rate: 15.04%
-- Flow 2:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 113.876 ms
Loss rate: 42.21%
-- Flow 3:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 66.99%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 18:26:20

End at: 2018-03-06 18:26:50

Local clock offset: -6.788 ms

Remote clock offset: 5.036 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 119.234 ms

Loss rate: 31.69%

-- Flow 1:

Average throughput: 65.96 Mbit/s

95th percentile per-packet one-way delay: 118.355 ms

Loss rate: 13.18%

-- Flow 2:

Average throughput: 19.64 Mbit/s

95th percentile per-packet one-way delay: 118.980 ms

Loss rate: 43.25%

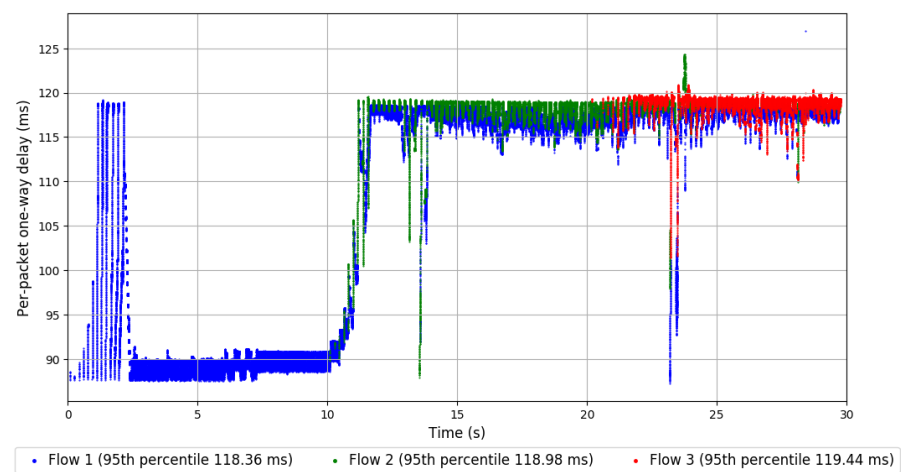
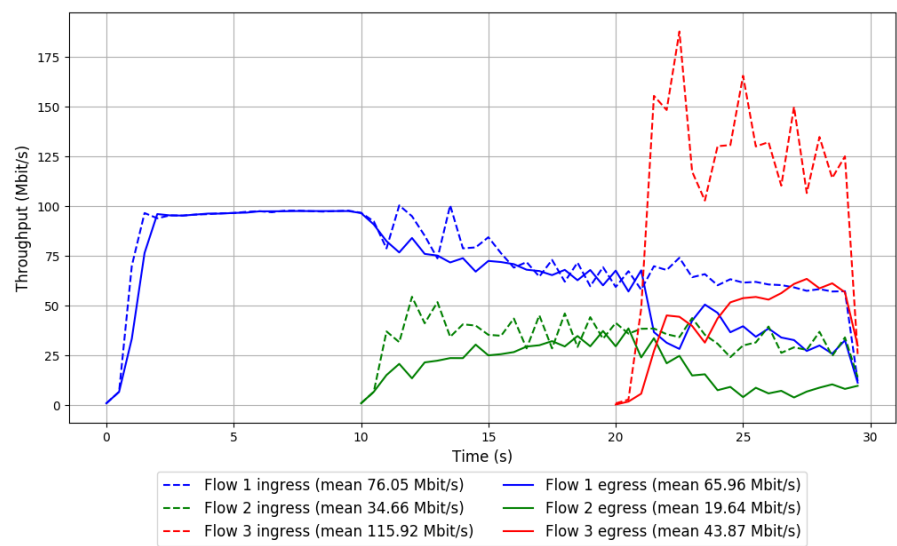
-- Flow 3:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 119.444 ms

Loss rate: 62.15%

Run 8: Report of Indigo-1-32 — Data Link

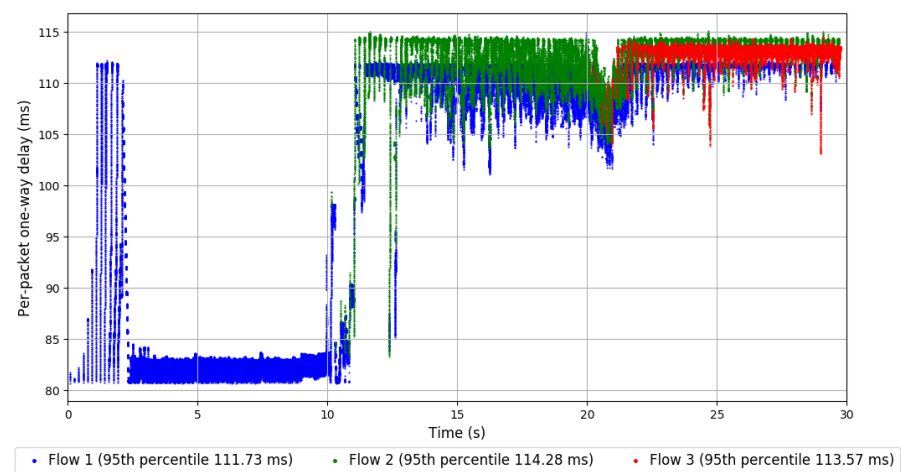
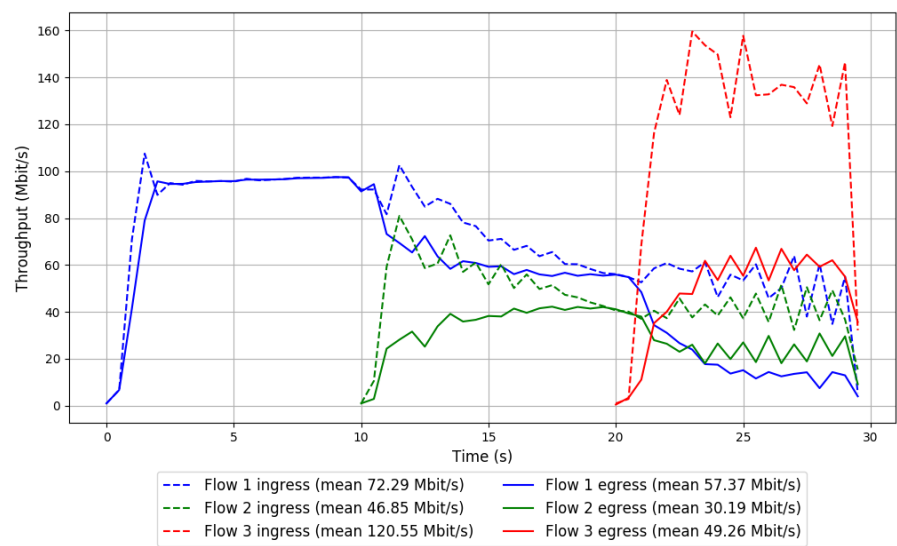


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 18:50:08
End at: 2018-03-06 18:50:38
Local clock offset: -6.377 ms
Remote clock offset: 11.782 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 114.105 ms
Loss rate: 34.40%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 111.730 ms
Loss rate: 20.55%
-- Flow 2:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 35.51%
-- Flow 3:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 113.567 ms
Loss rate: 59.14%

Run 9: Report of Indigo-1-32 — Data Link

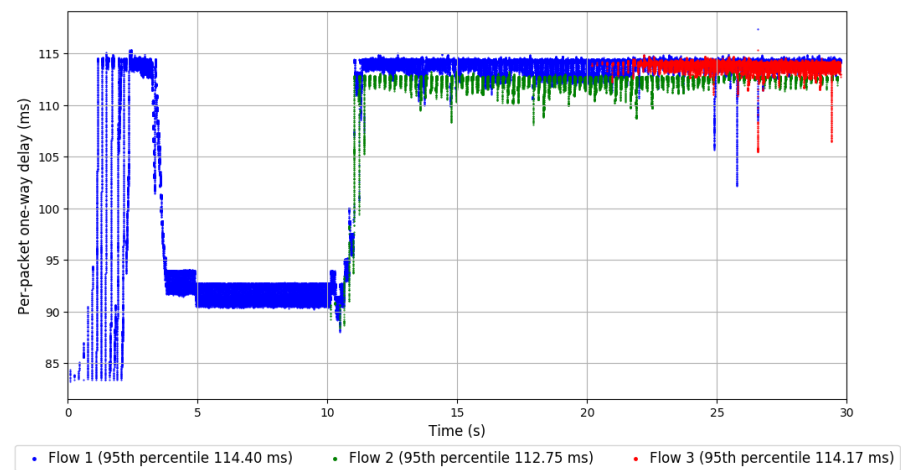
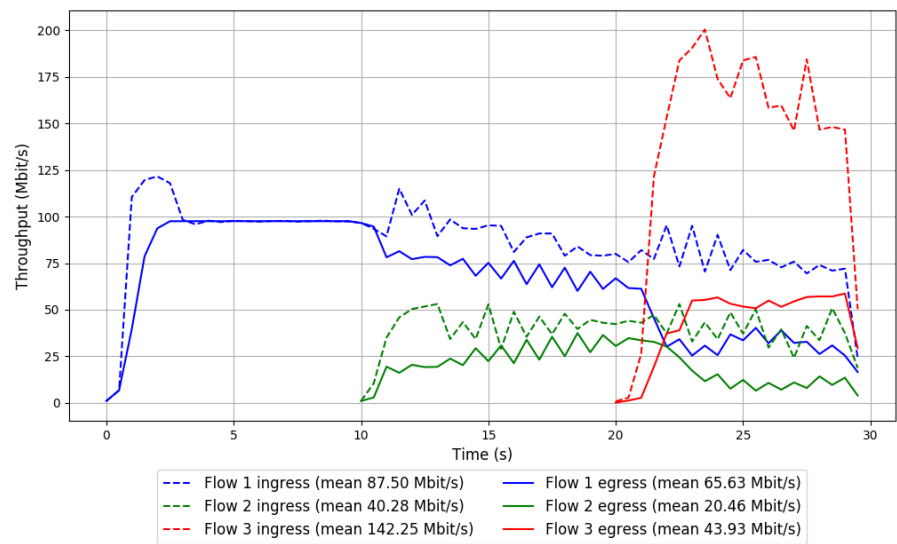


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 19:14:00
End at: 2018-03-06 19:14:30
Local clock offset: -5.862 ms
Remote clock offset: 17.889 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 114.387 ms
Loss rate: 41.64%
-- Flow 1:
Average throughput: 65.63 Mbit/s
95th percentile per-packet one-way delay: 114.403 ms
Loss rate: 24.91%
-- Flow 2:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 112.746 ms
Loss rate: 49.16%
-- Flow 3:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 114.165 ms
Loss rate: 69.12%

Run 10: Report of Indigo-1-32 — Data Link

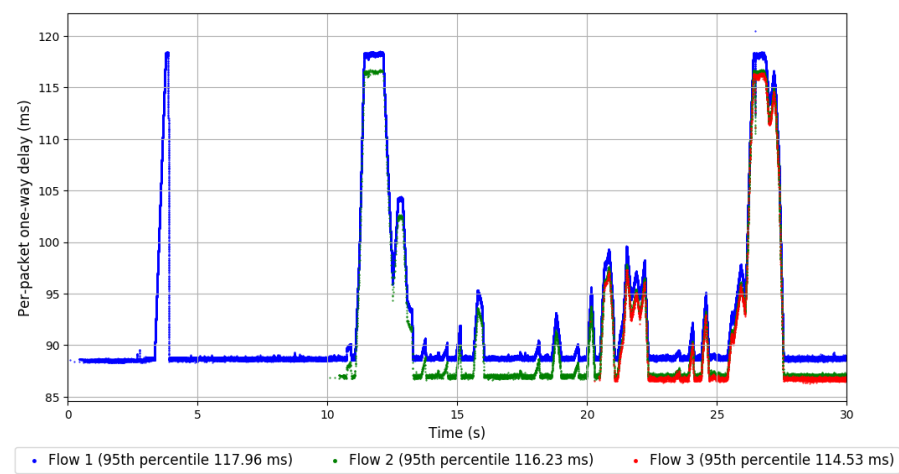
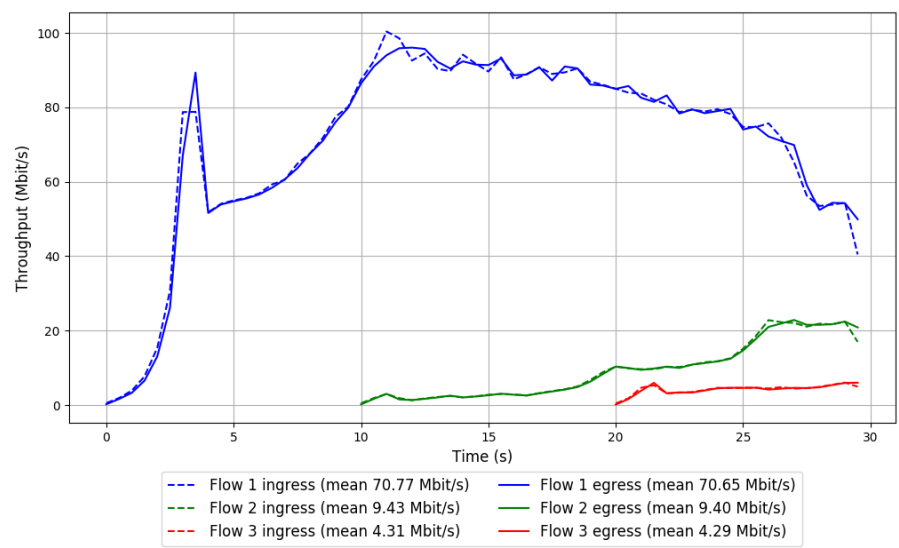


Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 15:52:44
End at: 2018-03-06 15:53:14
Local clock offset: -6.456 ms
Remote clock offset: -0.525 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 117.067 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 117.959 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 116.229 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 114.530 ms
Loss rate: 0.68%

Run 1: Report of Vivace-latency — Data Link

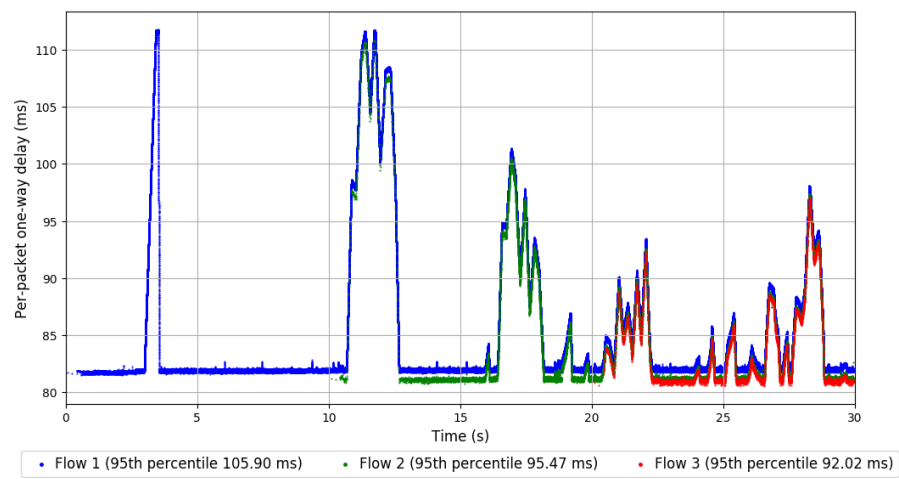
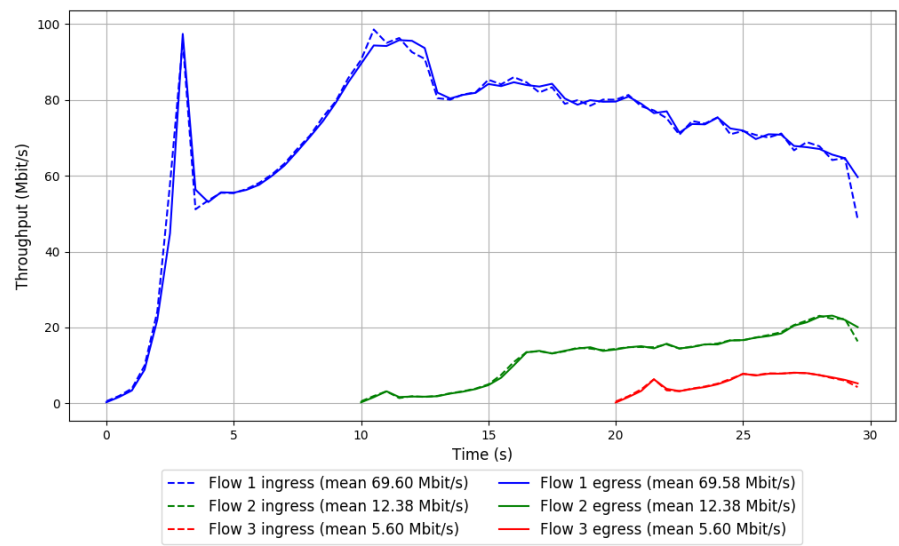


Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 16:16:29
End at: 2018-03-06 16:16:59
Local clock offset: -6.573 ms
Remote clock offset: -5.961 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.65 Mbit/s
95th percentile per-packet one-way delay: 104.845 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.58 Mbit/s
95th percentile per-packet one-way delay: 105.900 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 95.474 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 92.019 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 16:40:13

End at: 2018-03-06 16:40:43

Local clock offset: -6.452 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-03-06 20:27:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 117.762 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 66.40 Mbit/s

95th percentile per-packet one-way delay: 117.773 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 117.974 ms

Loss rate: 0.52%

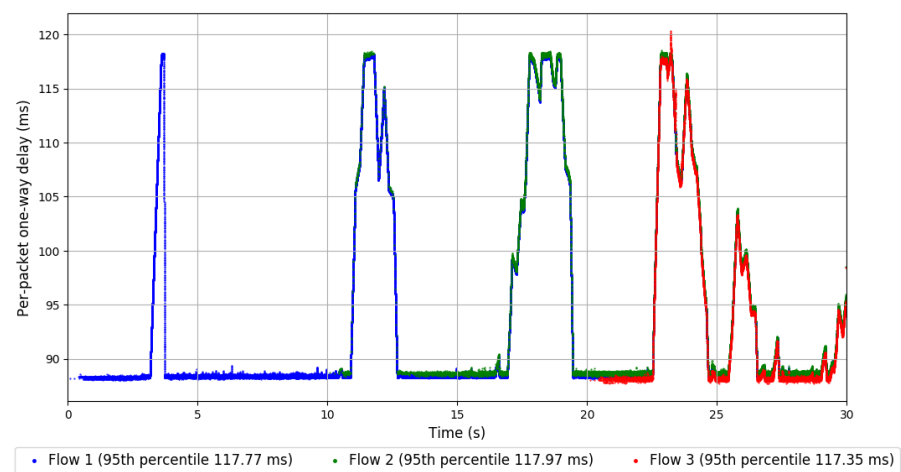
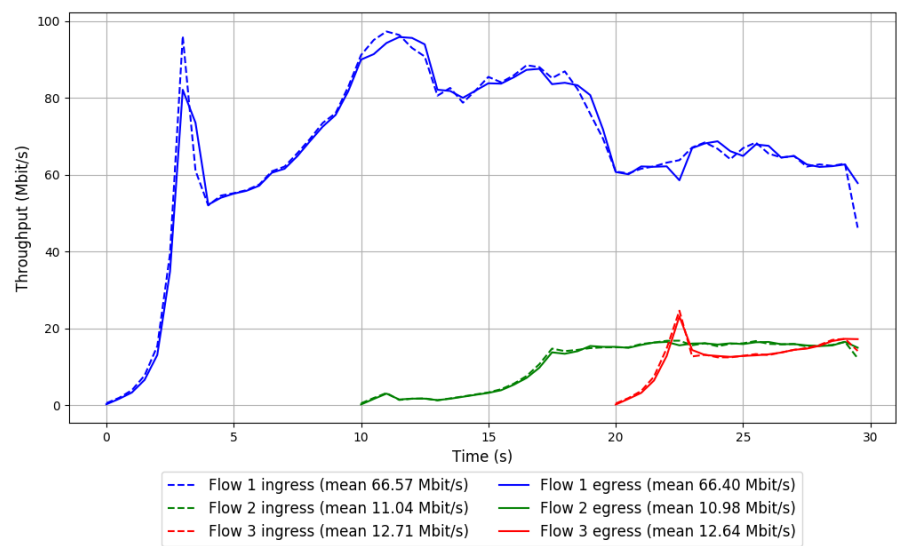
-- Flow 3:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 117.351 ms

Loss rate: 0.46%

Run 3: Report of Vivace-latency — Data Link

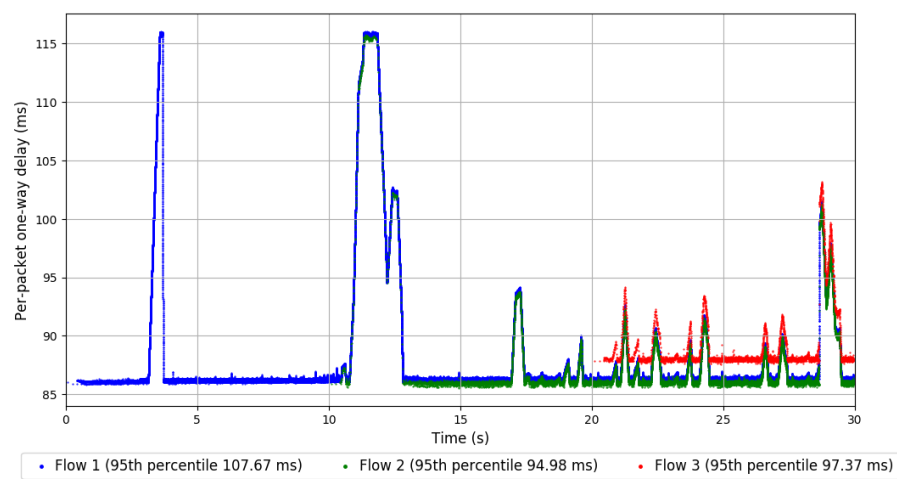
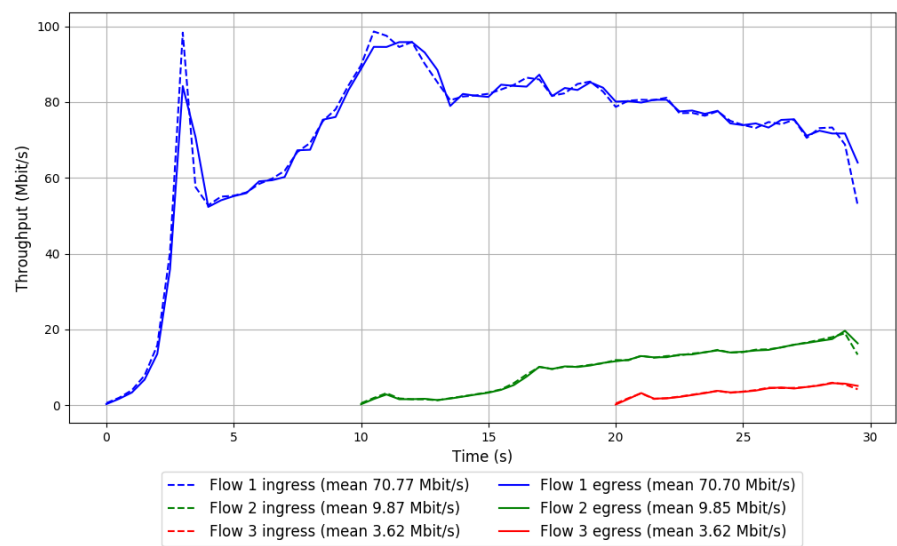


Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 17:03:48
End at: 2018-03-06 17:04:18
Local clock offset: -6.341 ms
Remote clock offset: -1.089 ms

Below is generated by plot.py at 2018-03-06 20:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 105.262 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 107.666 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 94.976 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 97.368 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

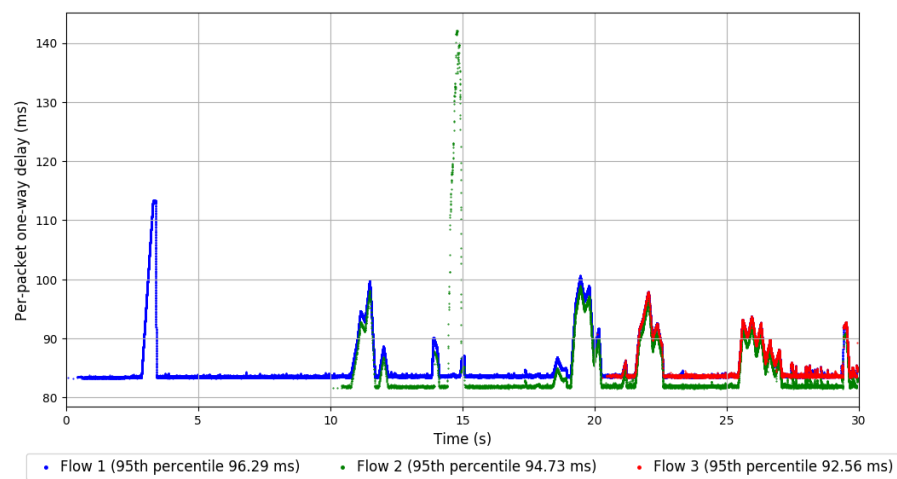
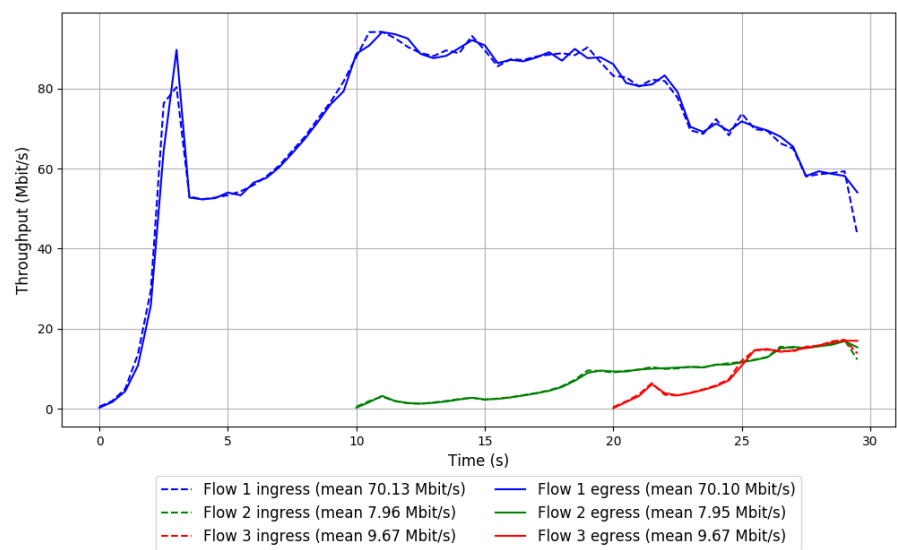


Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 17:27:15
End at: 2018-03-06 17:27:45
Local clock offset: -5.911 ms
Remote clock offset: -5.126 ms

Below is generated by plot.py at 2018-03-06 20:28:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 95.820 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 96.293 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 94.735 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 92.561 ms
Loss rate: 0.02%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 17:50:51

End at: 2018-03-06 17:51:21

Local clock offset: -6.616 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2018-03-06 20:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 116.497 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 66.96 Mbit/s

95th percentile per-packet one-way delay: 115.919 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 117.971 ms

Loss rate: 0.15%

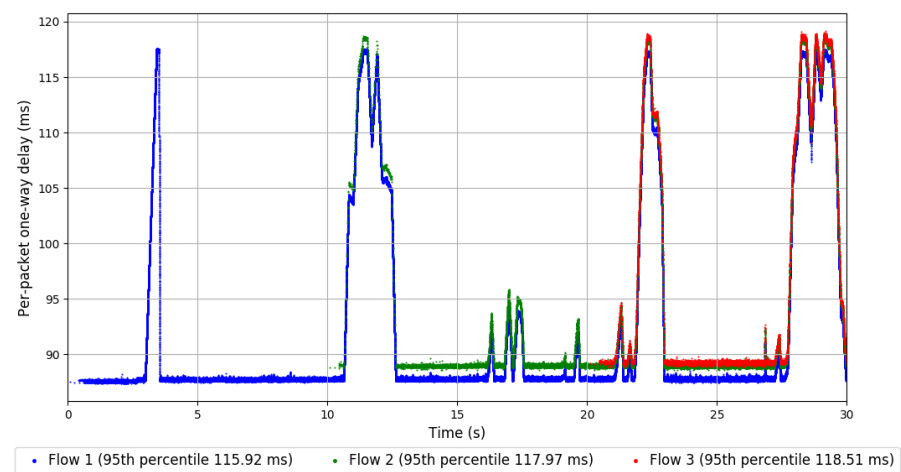
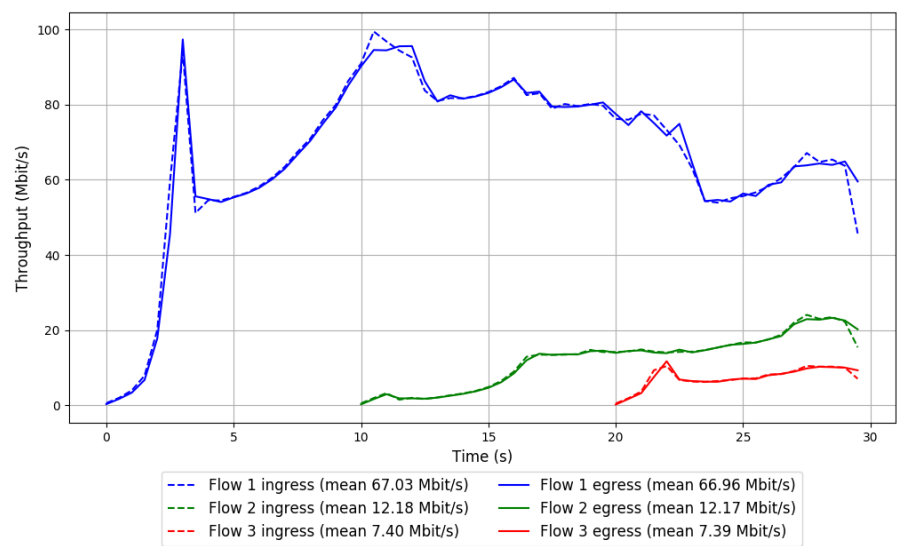
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 118.507 ms

Loss rate: 0.19%

Run 6: Report of Vivace-latency — Data Link

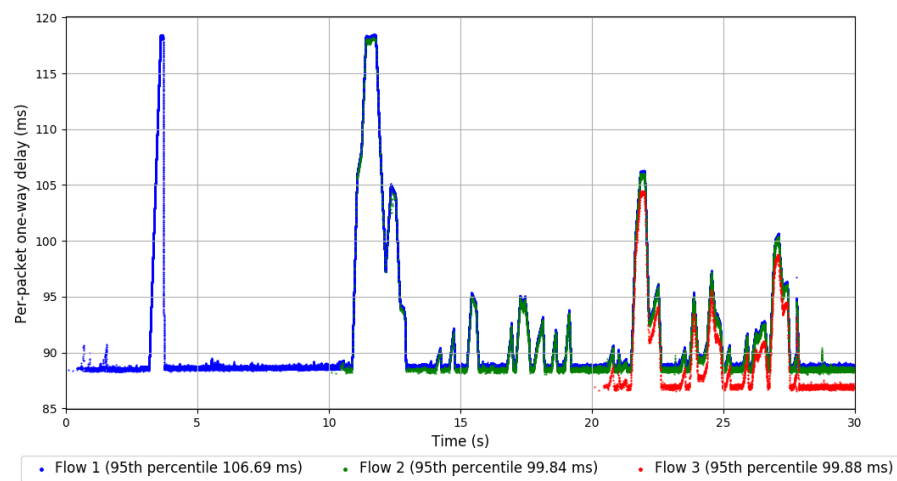
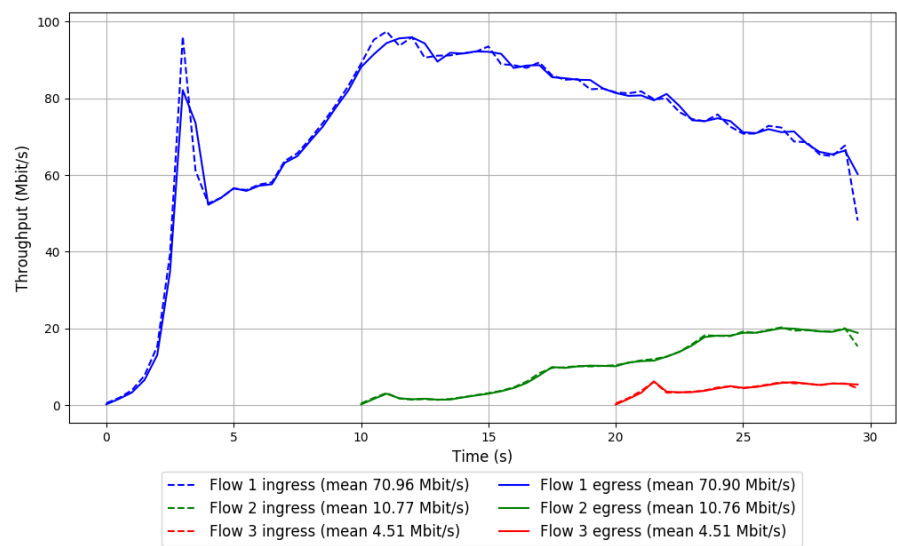


Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 18:14:39
End at: 2018-03-06 18:15:09
Local clock offset: -6.804 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-03-06 20:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 106.085 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 106.694 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 99.840 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 99.876 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

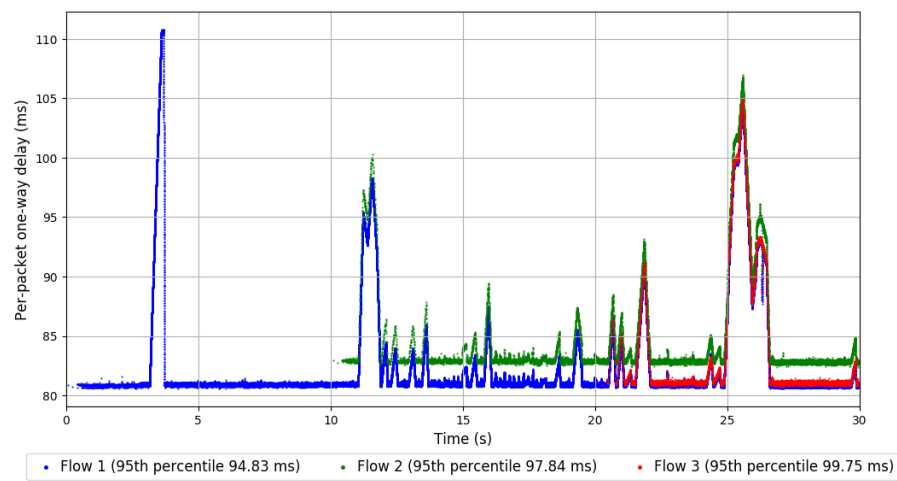
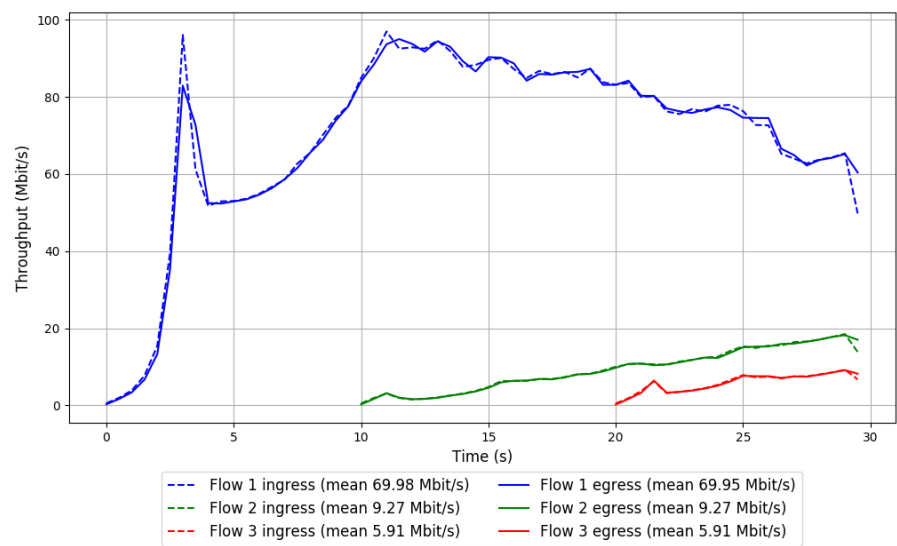


Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 18:38:30
End at: 2018-03-06 18:39:00
Local clock offset: -6.858 ms
Remote clock offset: 8.362 ms

Below is generated by plot.py at 2018-03-06 20:28:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 94.832 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 97.843 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 99.746 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

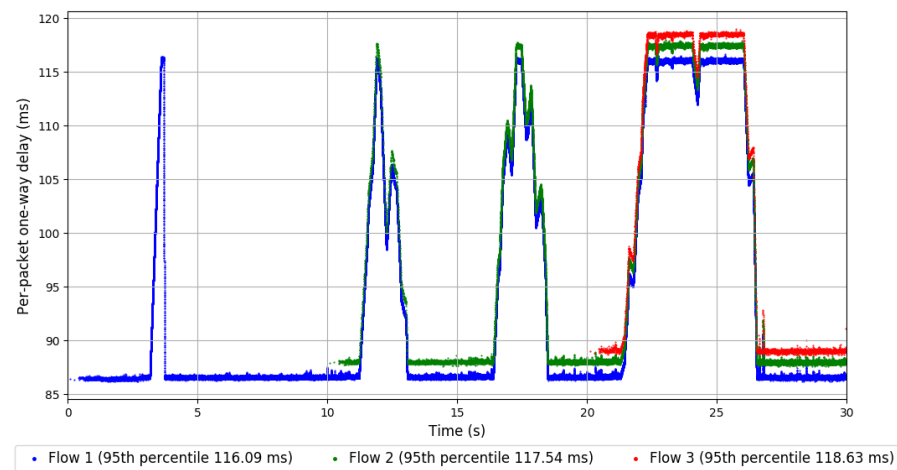
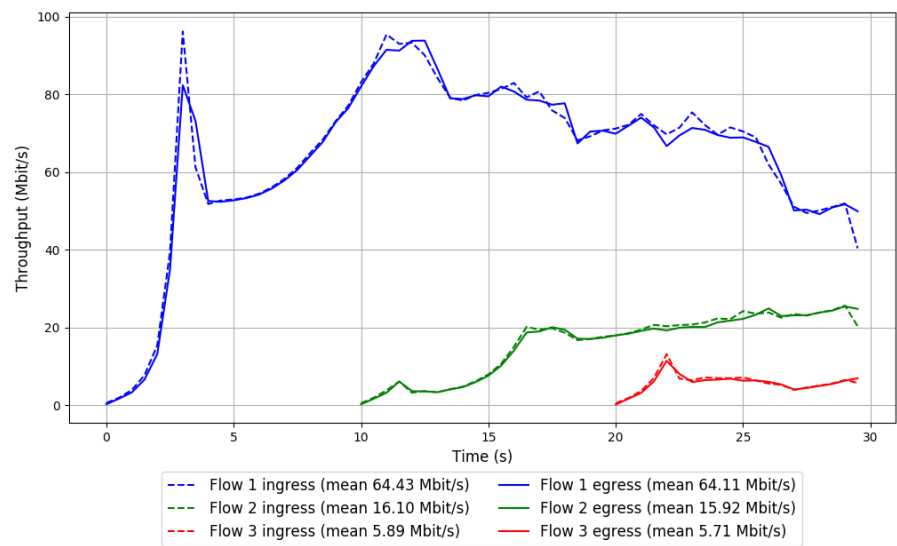


Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 19:02:24
End at: 2018-03-06 19:02:54
Local clock offset: -6.035 ms
Remote clock offset: 20.153 ms

Below is generated by plot.py at 2018-03-06 20:28:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.58 Mbit/s
95th percentile per-packet one-way delay: 116.242 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 116.092 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 117.543 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 118.628 ms
Loss rate: 2.98%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 19:26:17

End at: 2018-03-06 19:26:47

Local clock offset: -6.239 ms

Remote clock offset: 19.78 ms

Below is generated by plot.py at 2018-03-06 20:29:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 110.405 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 110.476 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 110.473 ms

Loss rate: 0.29%

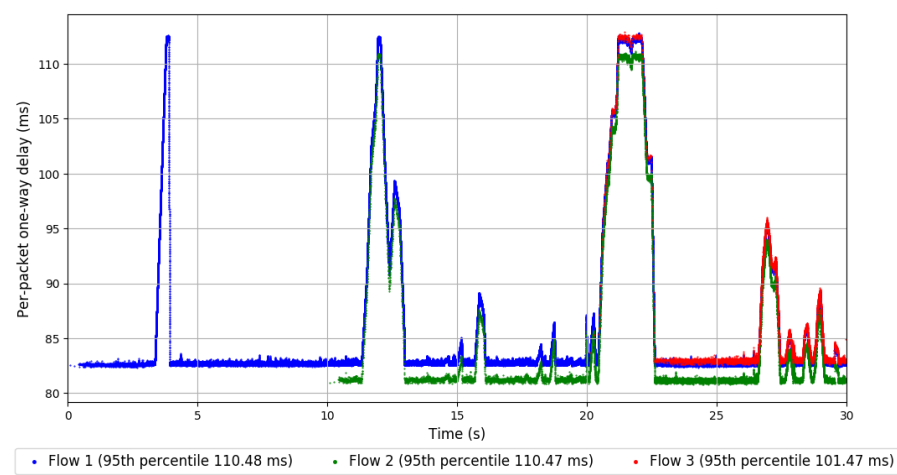
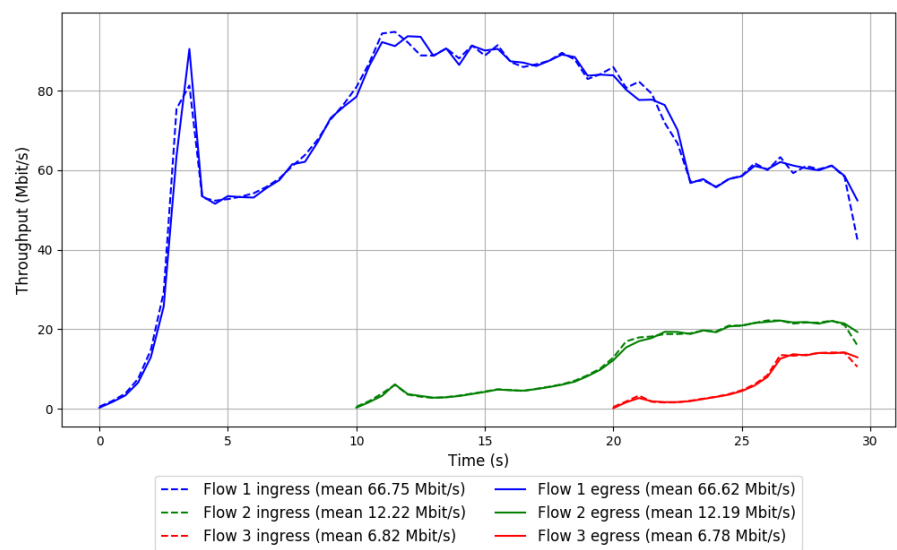
-- Flow 3:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 101.468 ms

Loss rate: 0.47%

Run 10: Report of Vivace-latency — Data Link

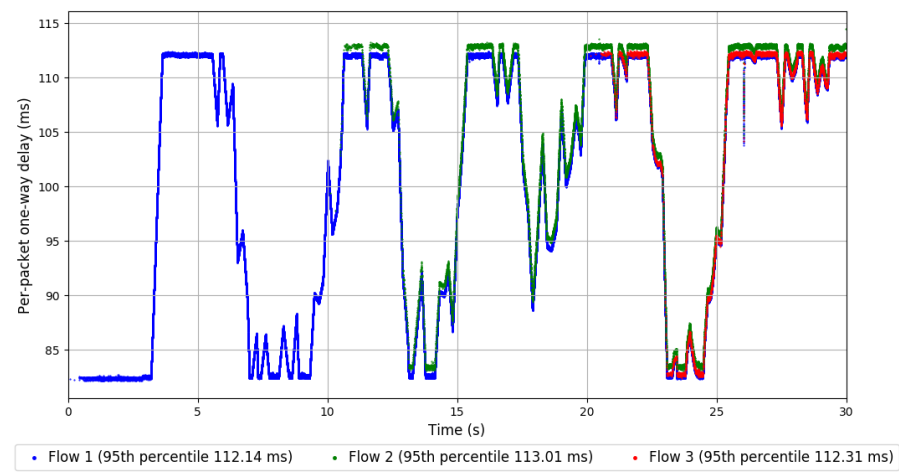
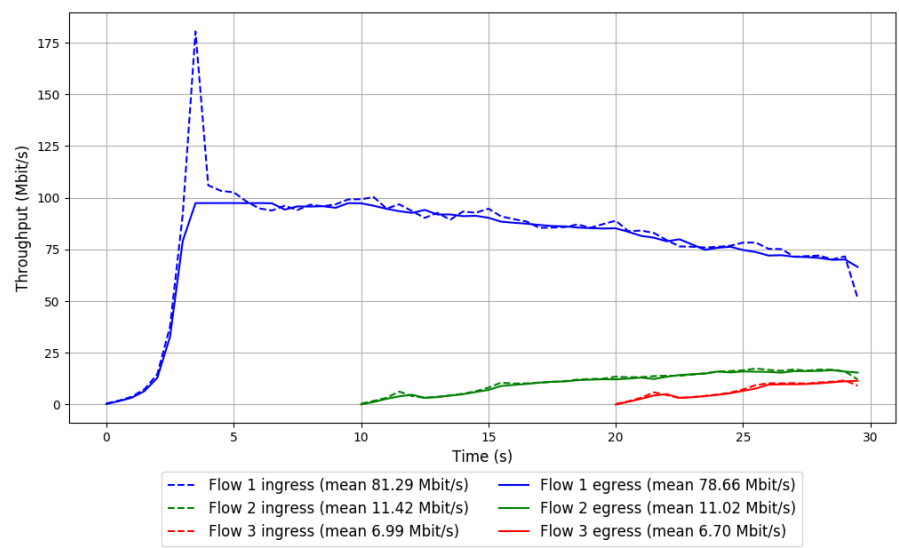


Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 15:44:48
End at: 2018-03-06 15:45:18
Local clock offset: -6.403 ms
Remote clock offset: -6.314 ms

Below is generated by plot.py at 2018-03-06 20:29:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 112.207 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 112.142 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 113.010 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 112.311 ms
Loss rate: 4.13%

Run 1: Report of Vivace-loss — Data Link

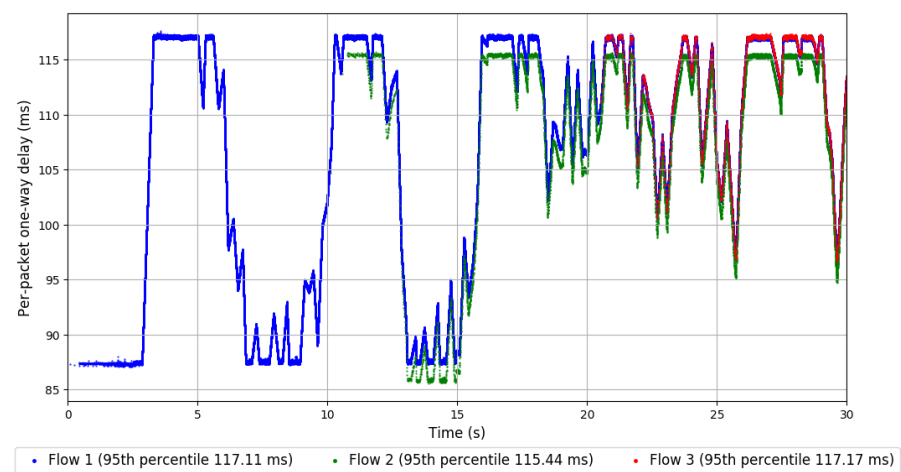
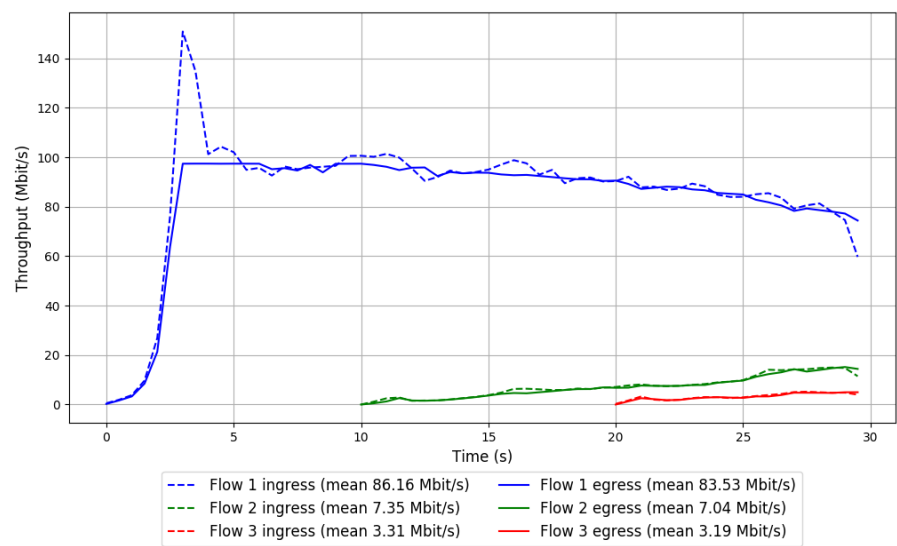


Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 16:08:22
End at: 2018-03-06 16:08:52
Local clock offset: -6.516 ms
Remote clock offset: -1.029 ms

Below is generated by plot.py at 2018-03-06 20:29:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 117.103 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 117.106 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 115.435 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 117.174 ms
Loss rate: 3.76%

Run 2: Report of Vivace-loss — Data Link

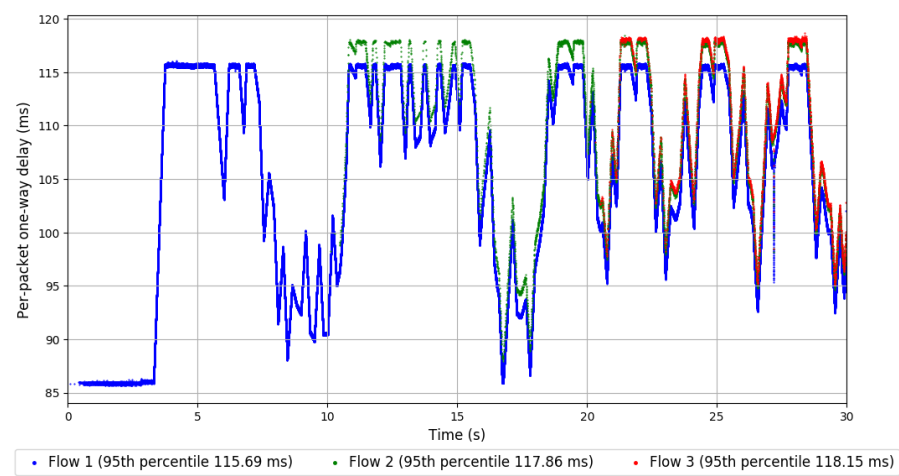
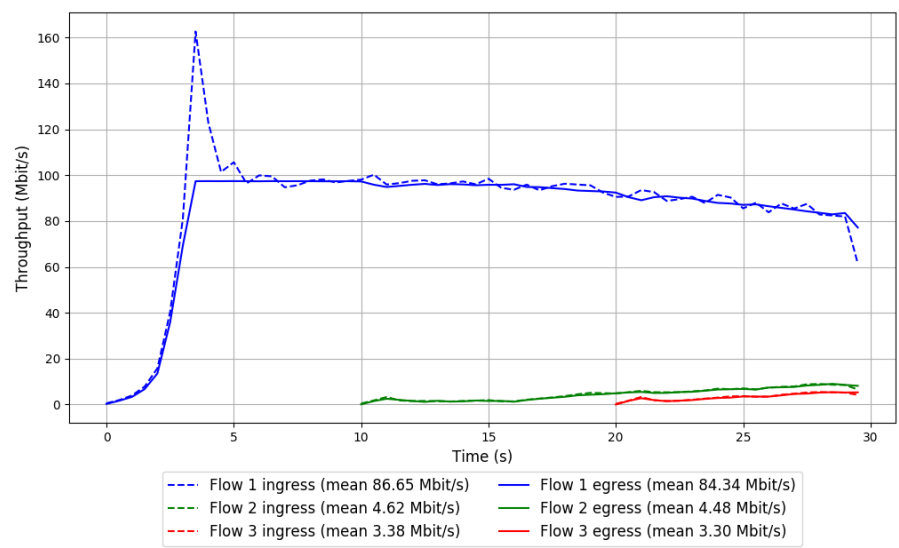


Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 16:32:04
End at: 2018-03-06 16:32:34
Local clock offset: -6.506 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-03-06 20:29:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 115.703 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 115.685 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 117.862 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 118.148 ms
Loss rate: 2.65%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 16:55:53

End at: 2018-03-06 16:56:23

Local clock offset: -6.457 ms

Remote clock offset: -5.94 ms

Below is generated by plot.py at 2018-03-06 20:29:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 110.923 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 110.911 ms

Loss rate: 2.88%

-- Flow 2:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 110.805 ms

Loss rate: 4.51%

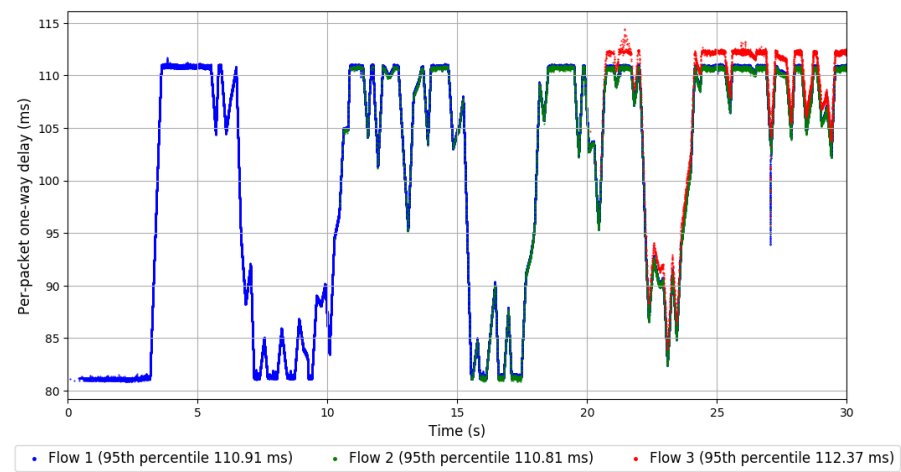
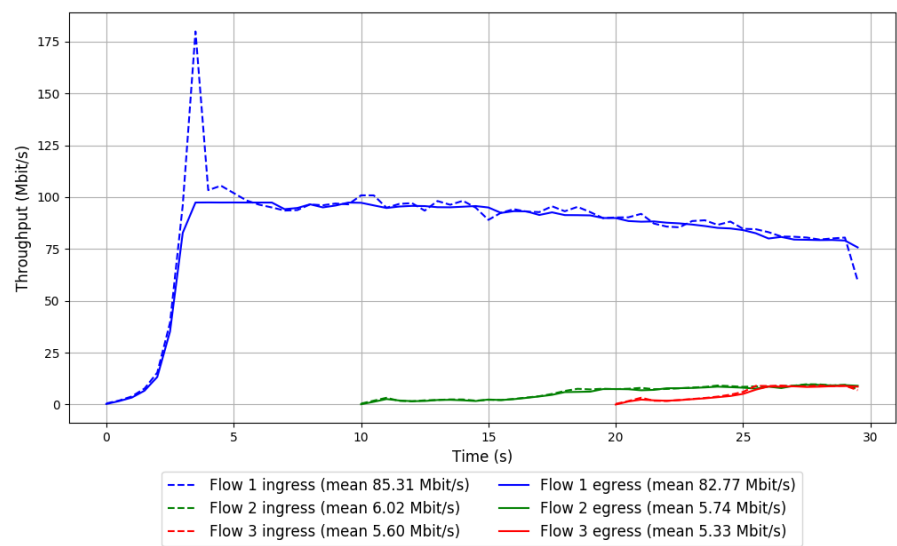
-- Flow 3:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 112.368 ms

Loss rate: 4.75%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 17:19:21

End at: 2018-03-06 17:19:51

Local clock offset: -5.977 ms

Remote clock offset: -6.01 ms

Below is generated by plot.py at 2018-03-06 20:30:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 110.686 ms

Loss rate: 2.82%

-- Flow 1:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 110.624 ms

Loss rate: 2.80%

-- Flow 2:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 112.327 ms

Loss rate: 2.75%

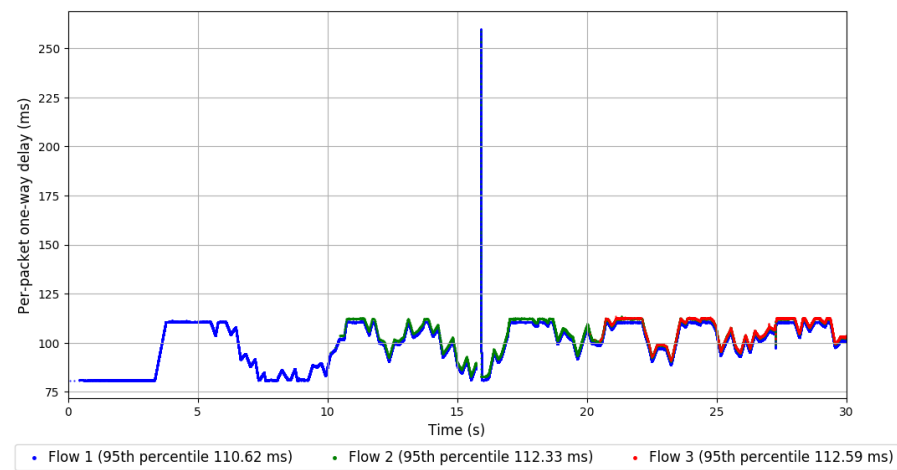
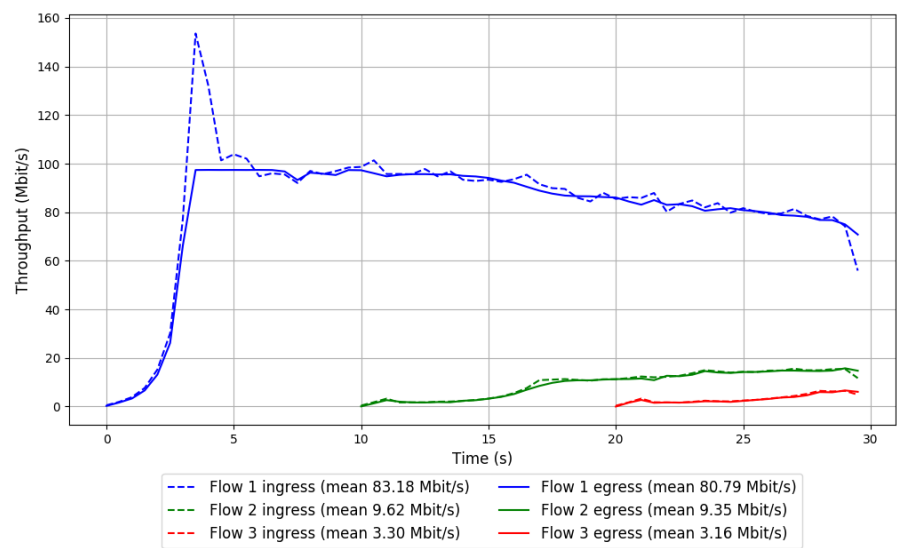
-- Flow 3:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 4.36%

Run 5: Report of Vivace-loss — Data Link

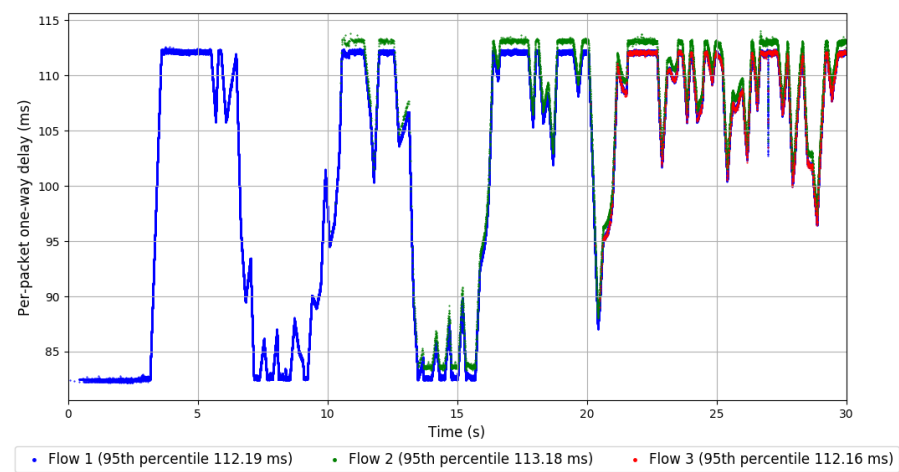
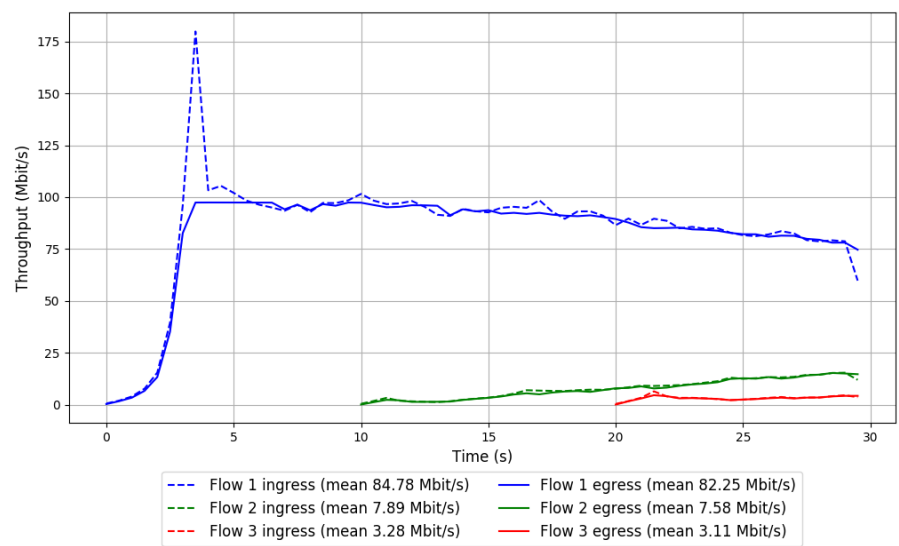


Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 17:42:55
End at: 2018-03-06 17:43:25
Local clock offset: -6.353 ms
Remote clock offset: -5.134 ms

Below is generated by plot.py at 2018-03-06 20:30:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 112.216 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 112.194 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 113.181 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 112.157 ms
Loss rate: 5.12%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 18:06:28

End at: 2018-03-06 18:06:58

Local clock offset: -6.738 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-03-06 20:30:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 118.168 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 79.69 Mbit/s

95th percentile per-packet one-way delay: 118.174 ms

Loss rate: 3.22%

-- Flow 2:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 117.927 ms

Loss rate: 4.40%

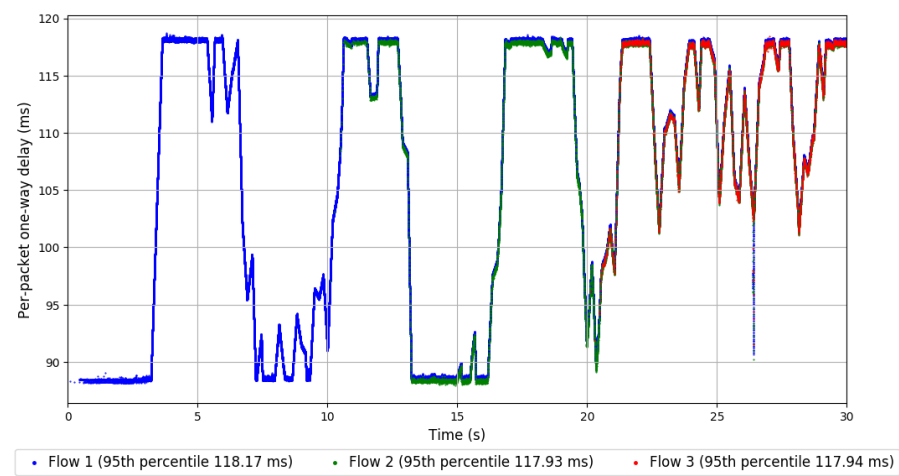
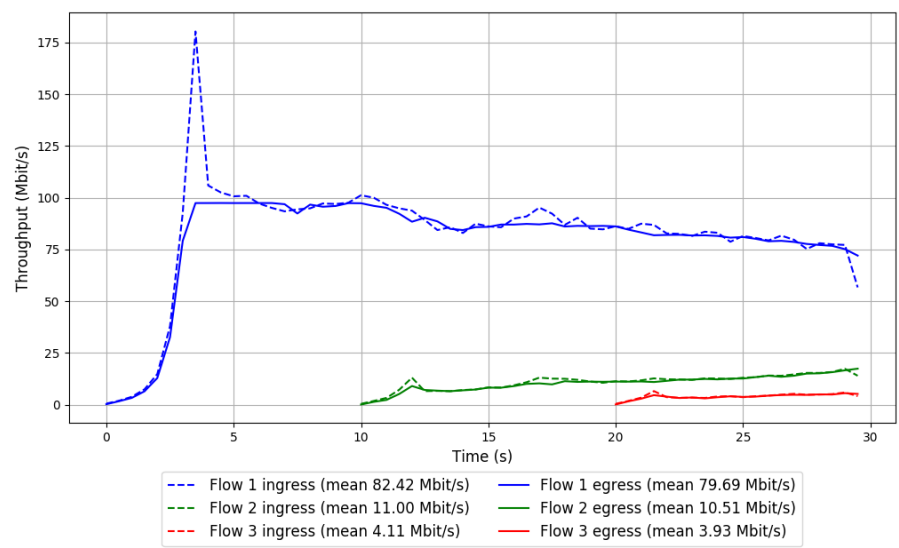
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 117.944 ms

Loss rate: 4.29%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 18:30:21

End at: 2018-03-06 18:30:51

Local clock offset: -6.806 ms

Remote clock offset: 4.173 ms

Below is generated by plot.py at 2018-03-06 20:30:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 110.811 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 110.754 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 111.363 ms

Loss rate: 2.82%

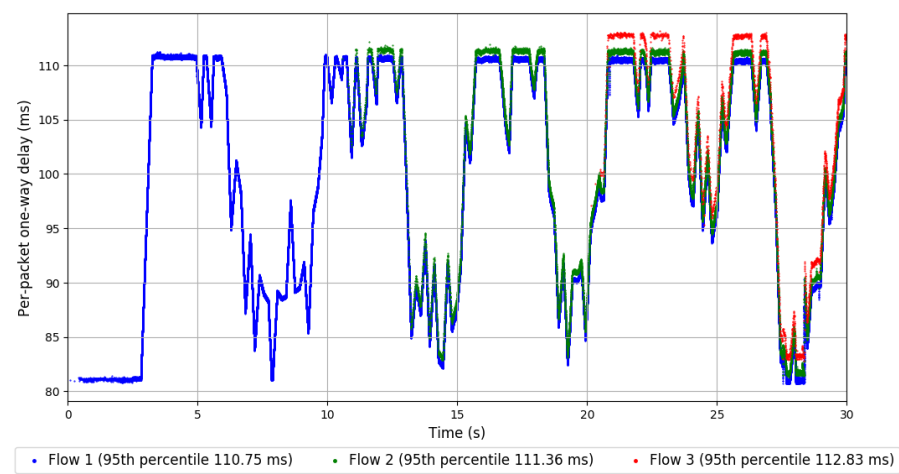
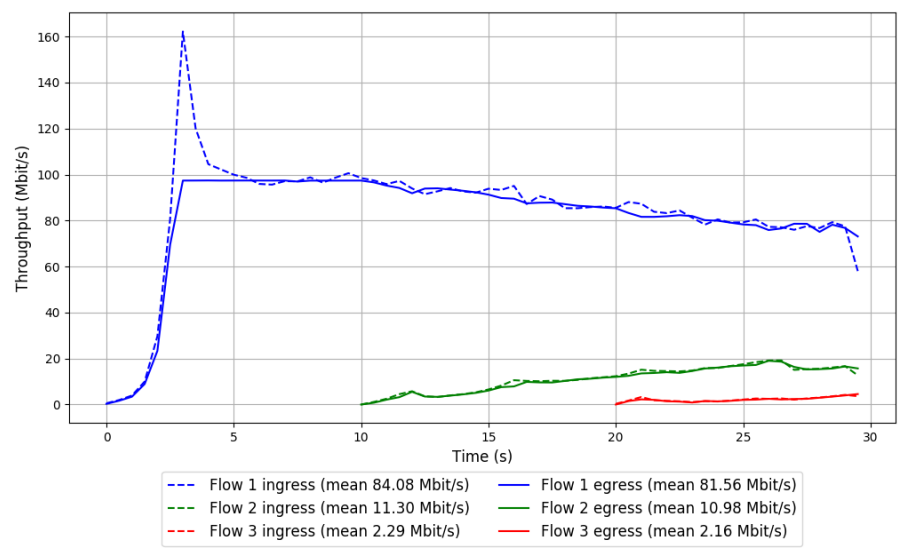
-- Flow 3:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 112.834 ms

Loss rate: 5.33%

Run 8: Report of Vivace-loss — Data Link

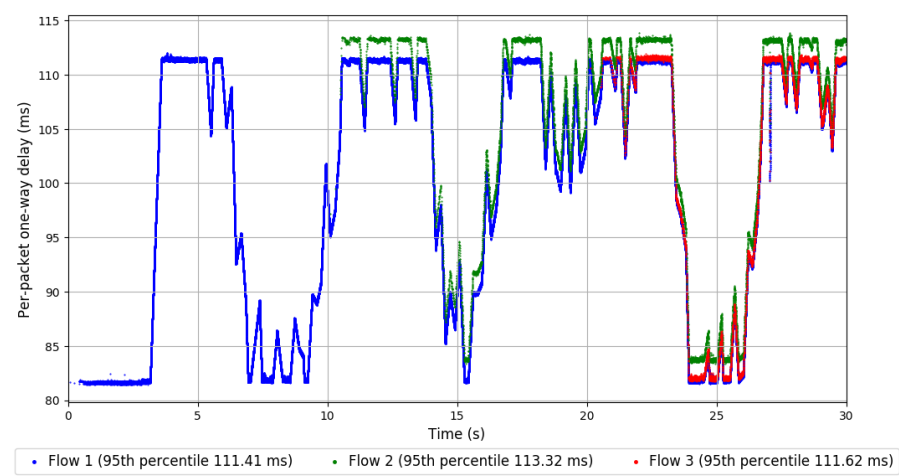
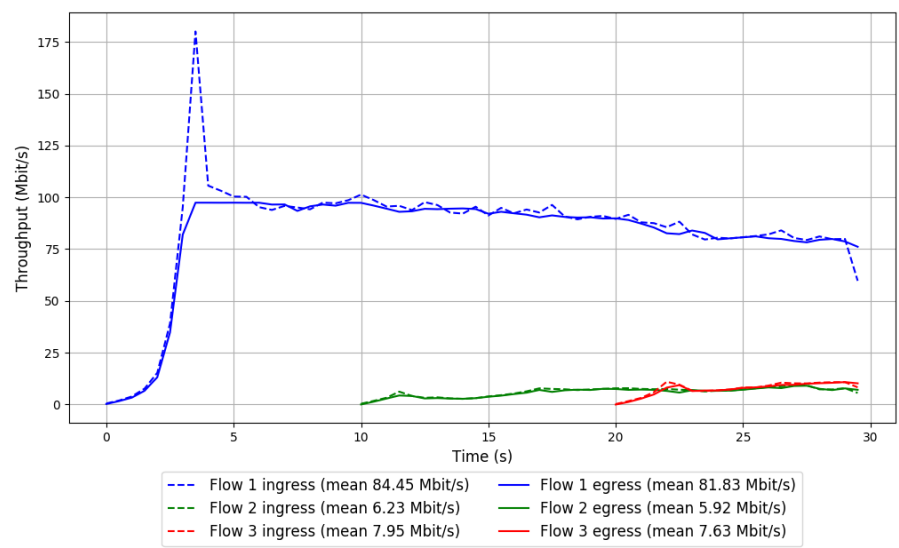


Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 18:54:07
End at: 2018-03-06 18:54:37
Local clock offset: -6.252 ms
Remote clock offset: 13.586 ms

Below is generated by plot.py at 2018-03-06 20:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 111.450 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 111.411 ms
Loss rate: 3.01%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 113.318 ms
Loss rate: 4.93%
-- Flow 3:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 111.617 ms
Loss rate: 4.00%

Run 9: Report of Vivace-loss — Data Link

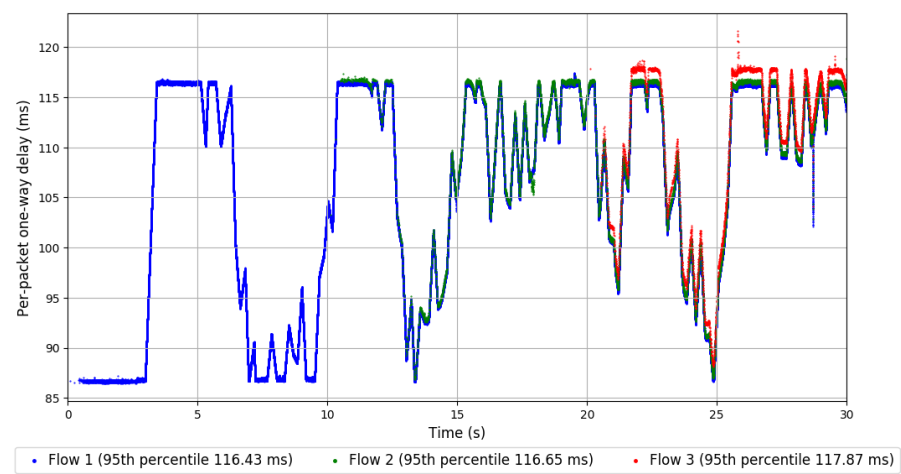
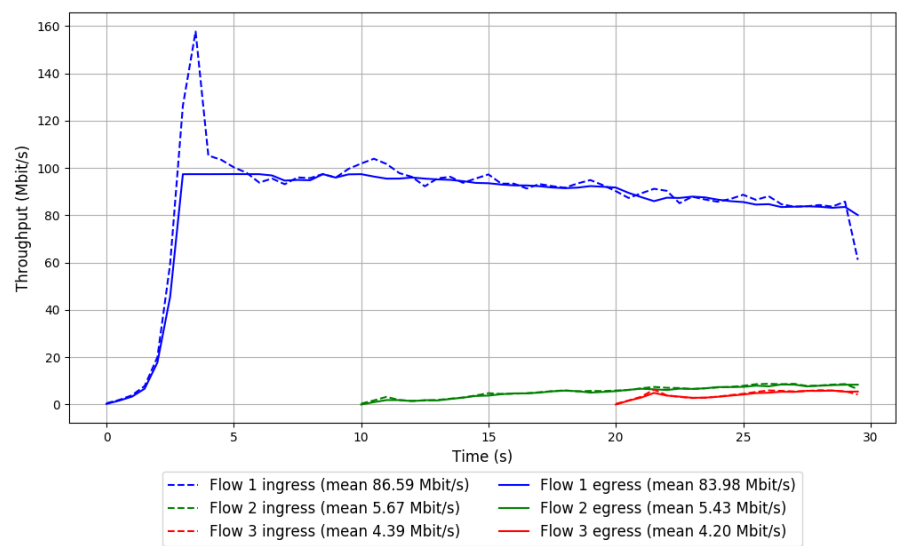


Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 19:17:59
End at: 2018-03-06 19:18:29
Local clock offset: -5.909 ms
Remote clock offset: 23.631 ms

Below is generated by plot.py at 2018-03-06 20:30:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 116.454 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 116.434 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 116.651 ms
Loss rate: 4.15%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 117.870 ms
Loss rate: 4.31%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 15:48:45

End at: 2018-03-06 15:49:15

Local clock offset: -6.428 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-03-06 20:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 119.035 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 75.05 Mbit/s

95th percentile per-packet one-way delay: 119.049 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 118.020 ms

Loss rate: 1.43%

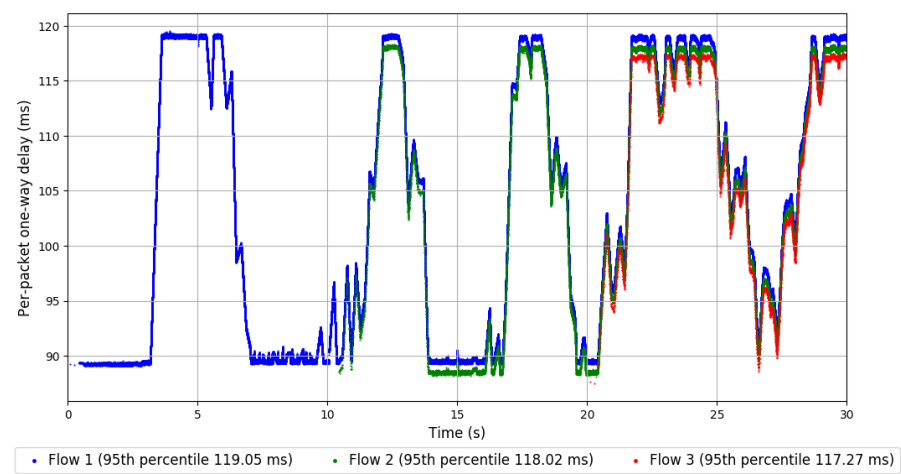
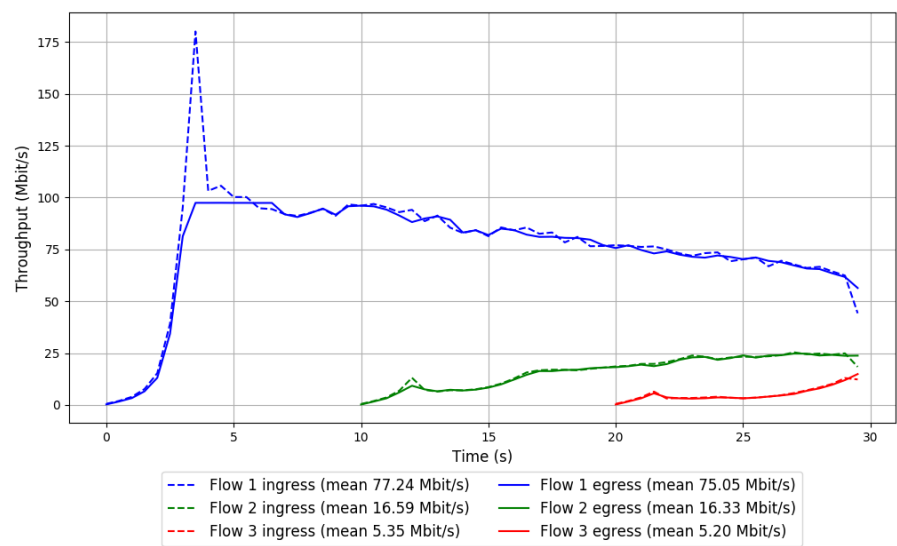
-- Flow 3:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 117.268 ms

Loss rate: 2.44%

Run 1: Report of Vivace-LTE — Data Link

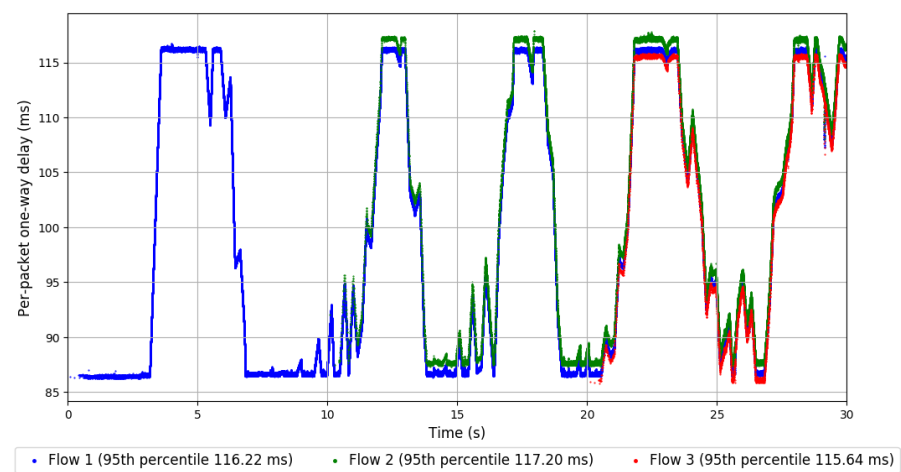
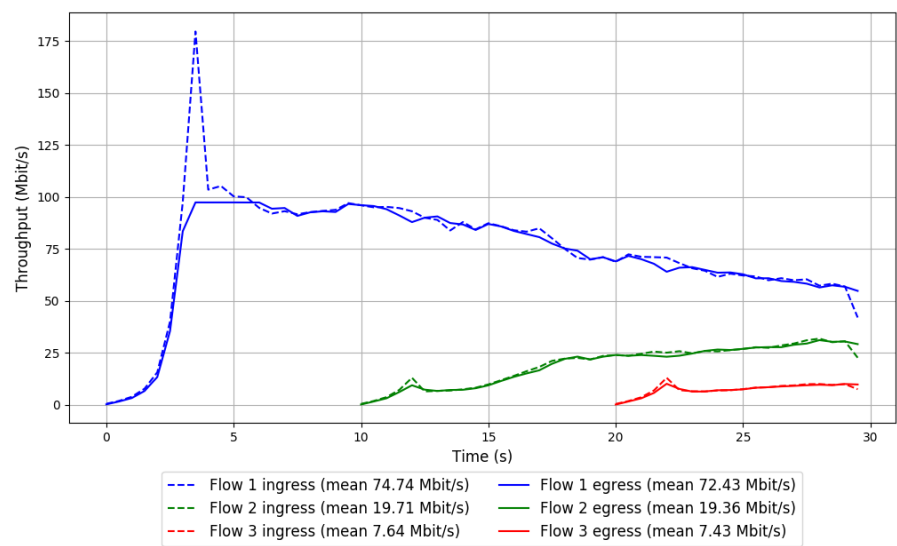


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 16:12:19
End at: 2018-03-06 16:12:49
Local clock offset: -6.556 ms
Remote clock offset: -0.941 ms

Below is generated by plot.py at 2018-03-06 20:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 116.282 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 116.221 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 117.202 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 115.639 ms
Loss rate: 2.51%

Run 2: Report of Vivace-LTE — Data Link

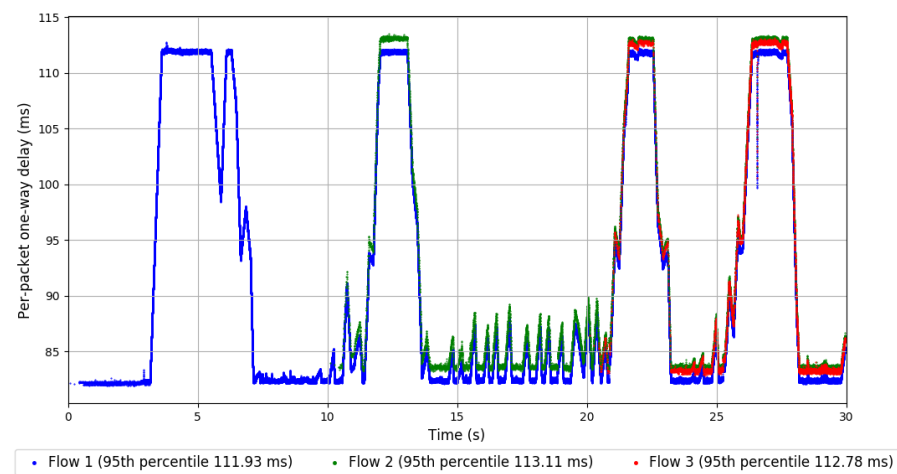
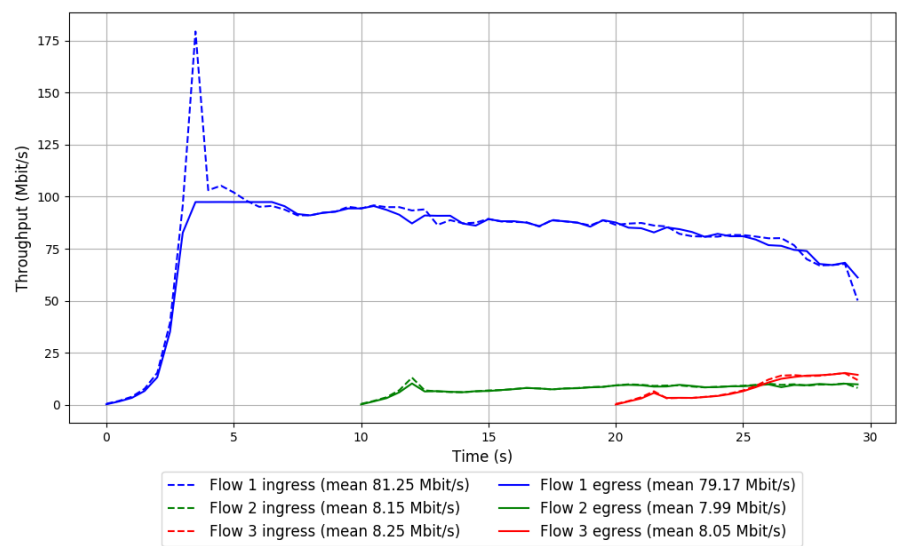


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 16:36:00
End at: 2018-03-06 16:36:30
Local clock offset: -6.448 ms
Remote clock offset: -5.474 ms

Below is generated by plot.py at 2018-03-06 20:31:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 111.960 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 111.931 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 113.108 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 112.784 ms
Loss rate: 2.41%

Run 3: Report of Vivace-LTE — Data Link

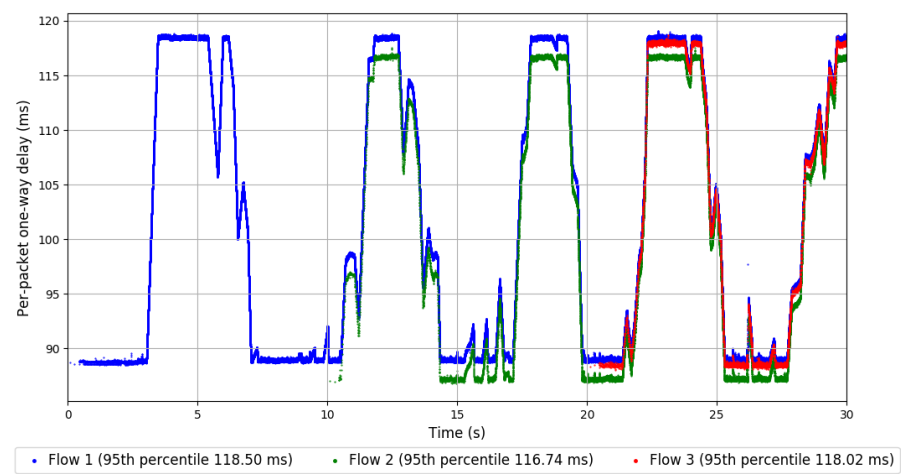
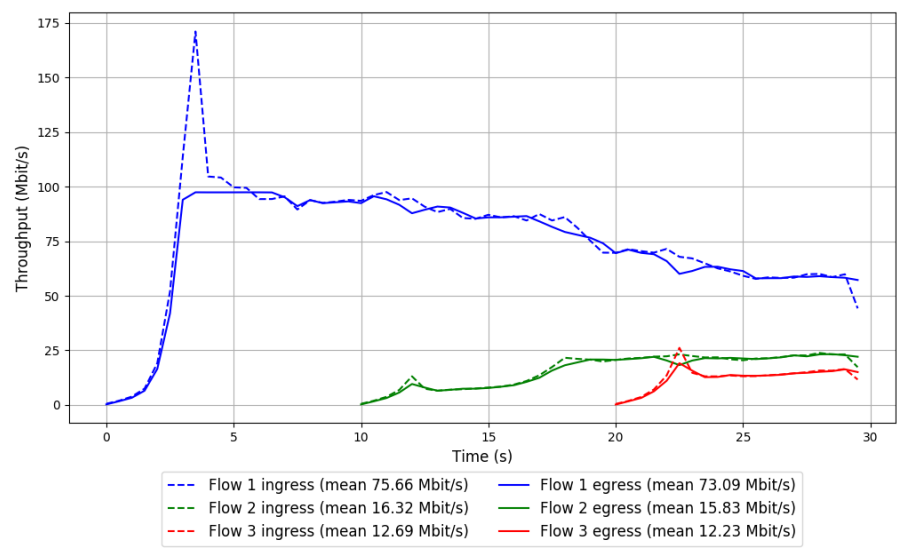


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 16:59:50
End at: 2018-03-06 17:00:20
Local clock offset: -6.432 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-03-06 20:31:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 118.486 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 118.500 ms
Loss rate: 3.30%
-- Flow 2:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 116.740 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 118.021 ms
Loss rate: 3.34%

Run 4: Report of Vivace-LTE — Data Link

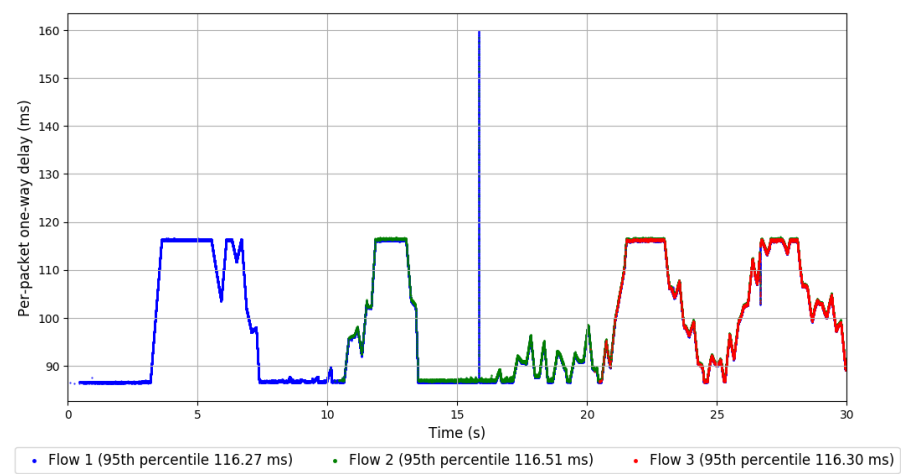
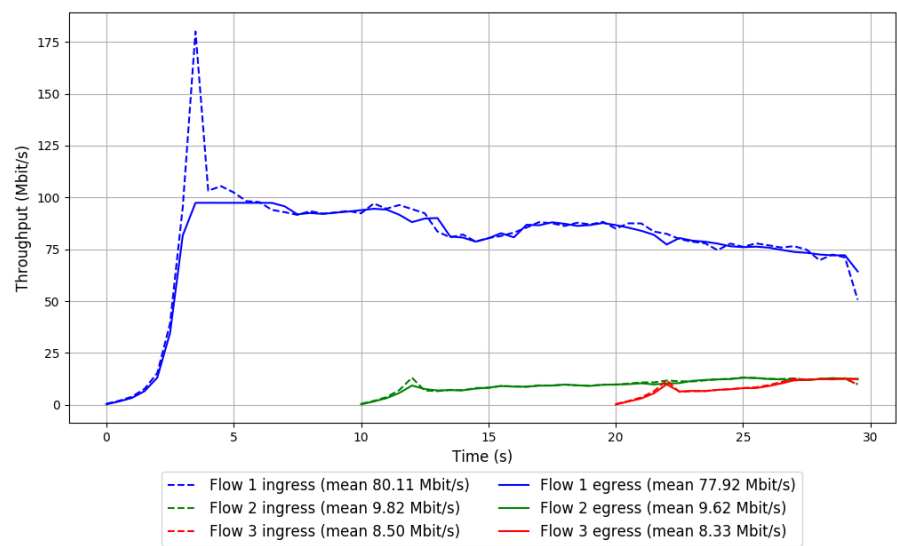


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 17:23:17
End at: 2018-03-06 17:23:47
Local clock offset: -6.013 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-03-06 20:31:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 116.288 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 116.274 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 116.512 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 116.303 ms
Loss rate: 2.07%

Run 5: Report of Vivace-LTE — Data Link

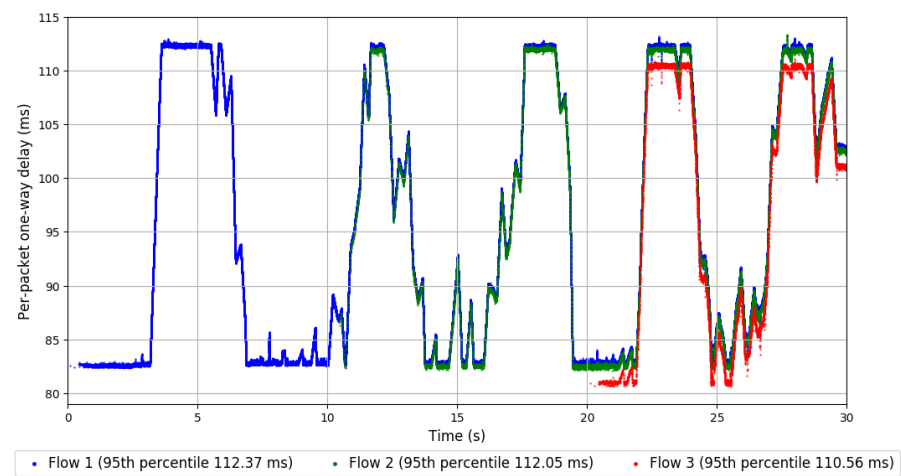
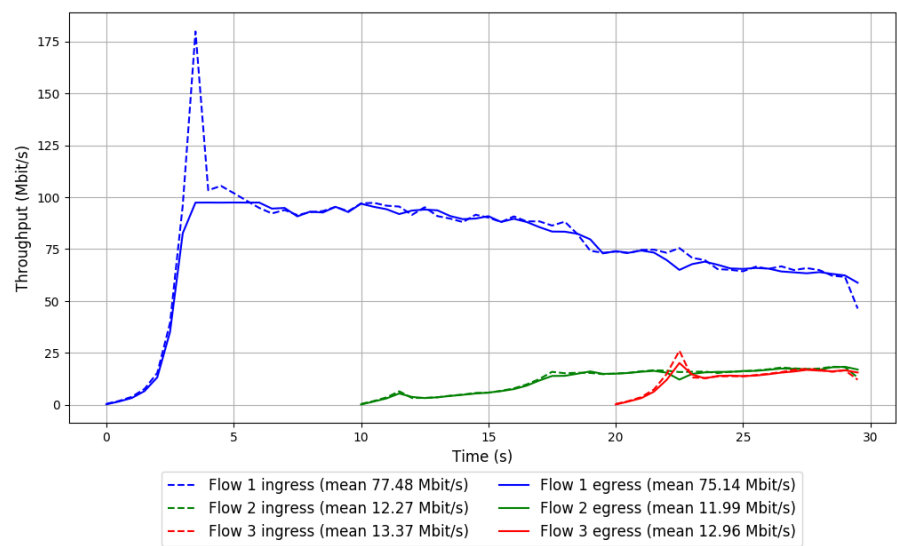


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 17:46:52
End at: 2018-03-06 17:47:22
Local clock offset: -6.471 ms
Remote clock offset: -5.964 ms

Below is generated by plot.py at 2018-03-06 20:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 112.360 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 112.372 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 112.051 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 110.556 ms
Loss rate: 2.87%

Run 6: Report of Vivace-LTE — Data Link

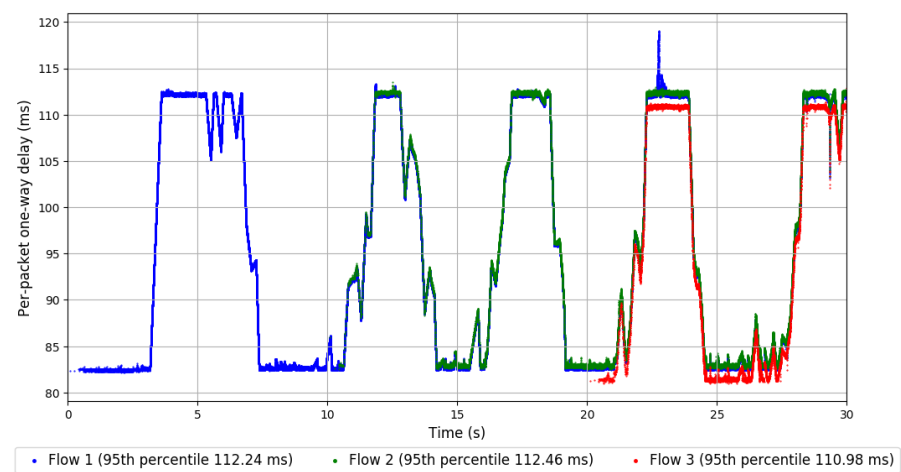
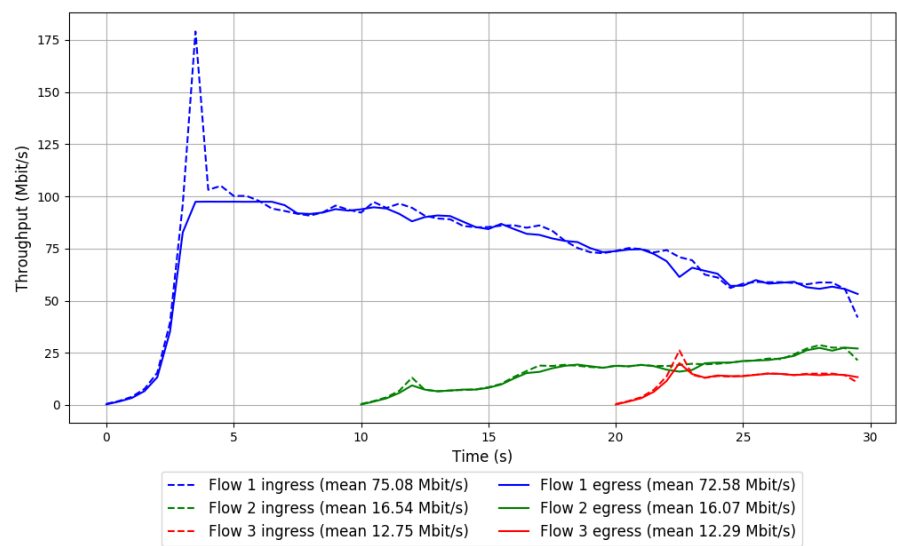


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 18:10:26
End at: 2018-03-06 18:10:56
Local clock offset: -6.721 ms
Remote clock offset: -5.807 ms

Below is generated by plot.py at 2018-03-06 20:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 112.273 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 112.236 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 112.461 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 110.977 ms
Loss rate: 3.29%

Run 7: Report of Vivace-LTE — Data Link

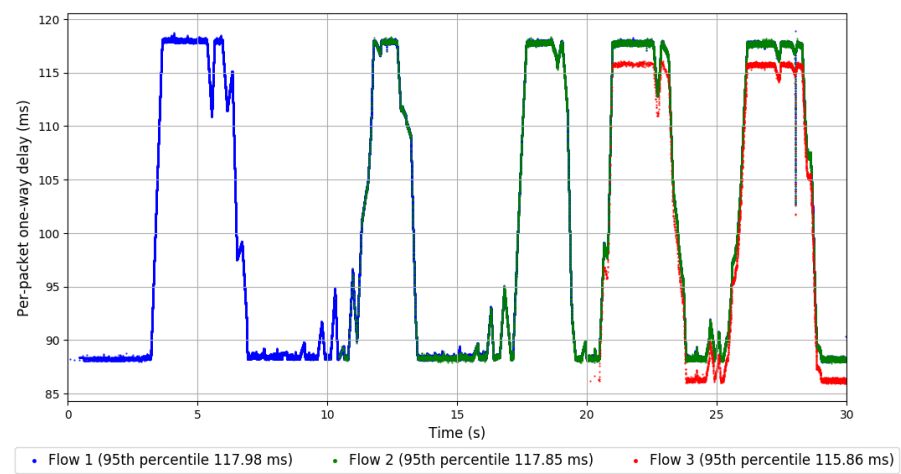
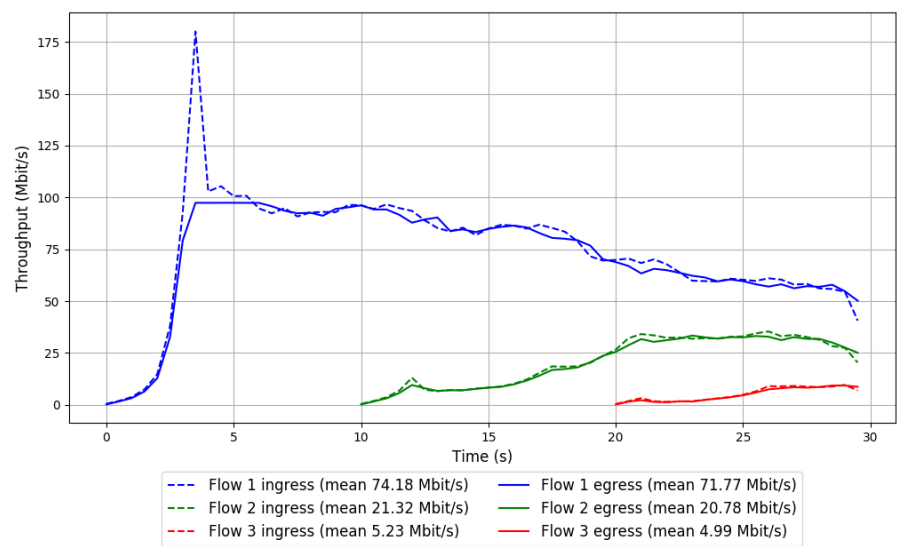


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 18:34:17
End at: 2018-03-06 18:34:47
Local clock offset: -6.828 ms
Remote clock offset: 11.817 ms

Below is generated by plot.py at 2018-03-06 20:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 117.963 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 117.983 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 117.847 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 115.861 ms
Loss rate: 4.64%

Run 8: Report of Vivace-LTE — Data Link

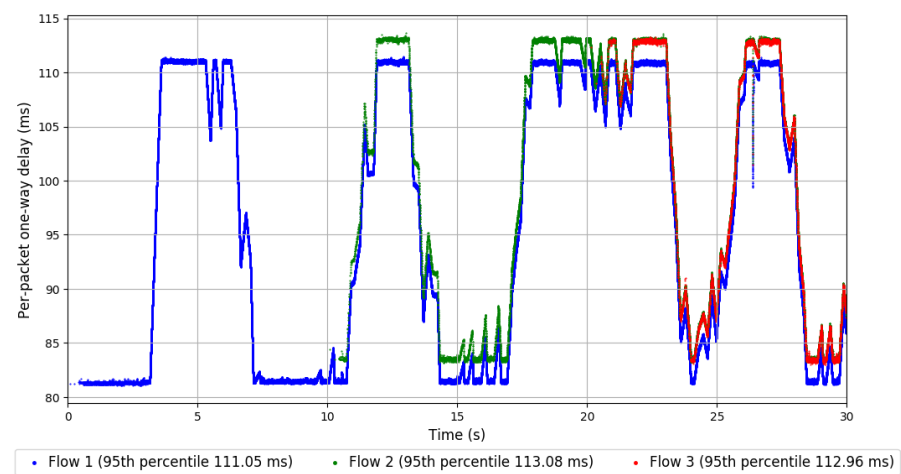
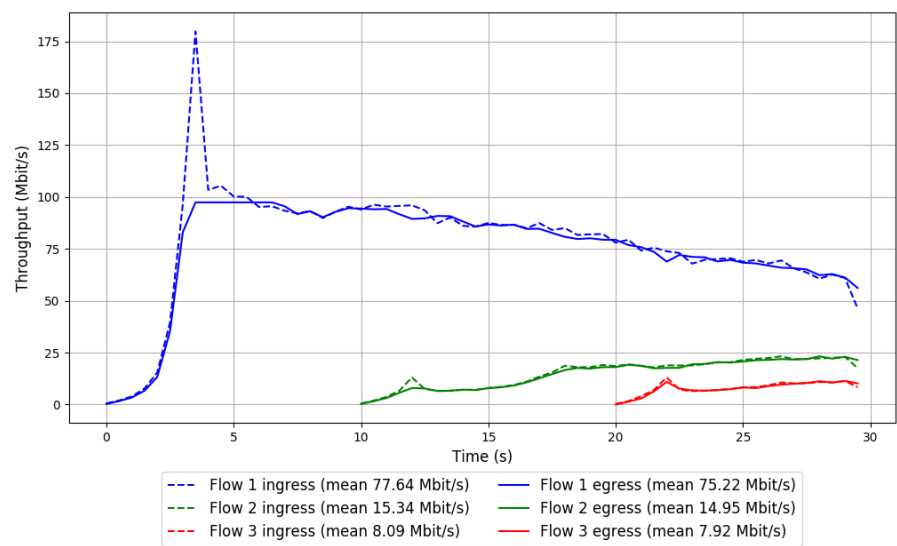


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 18:58:03
End at: 2018-03-06 18:58:33
Local clock offset: -6.13 ms
Remote clock offset: 14.395 ms

Below is generated by plot.py at 2018-03-06 20:32:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 111.346 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 113.080 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 2.38%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 19:21:55
End at: 2018-03-06 19:22:25
Local clock offset: -6.107 ms
Remote clock offset: 19.537 ms

Below is generated by plot.py at 2018-03-06 20:32:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 113.230 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 73.18 Mbit/s
95th percentile per-packet one-way delay: 113.246 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 110.947 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 111.186 ms
Loss rate: 3.33%

Run 10: Report of Vivace-LTE — Data Link

