

Pantheon Report

Generated at 2018-03-06 19:29:50 (UTC).

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

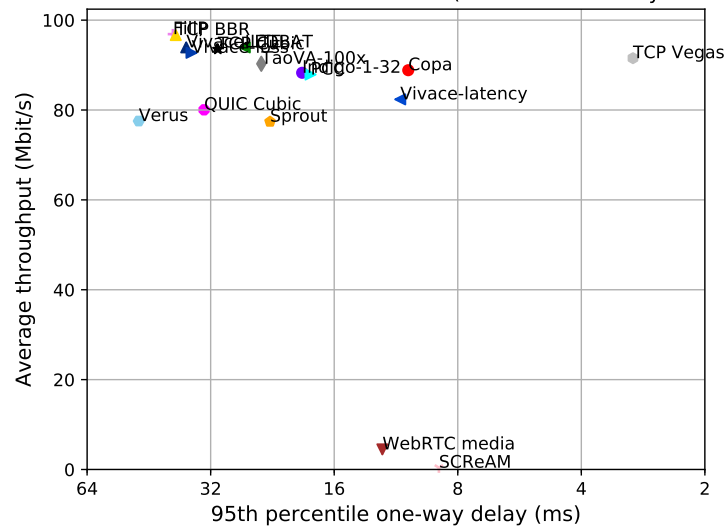
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

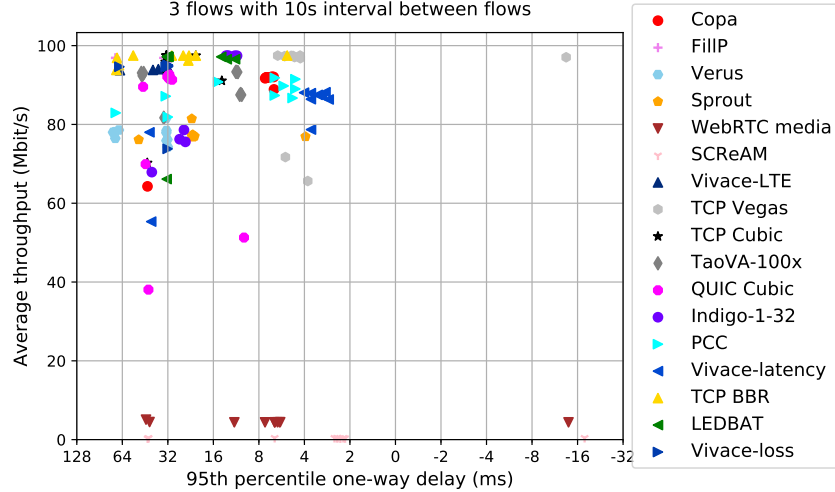
Git summary:

```
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 1 Ethernet to Brazil 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 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



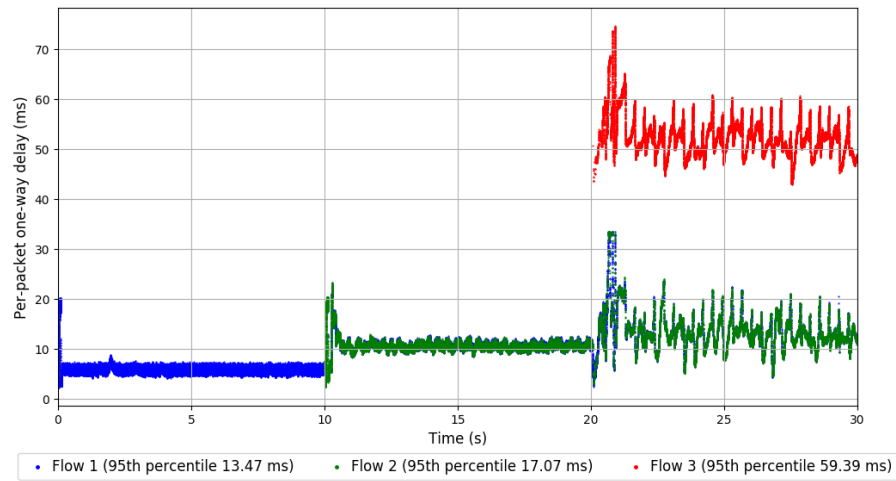
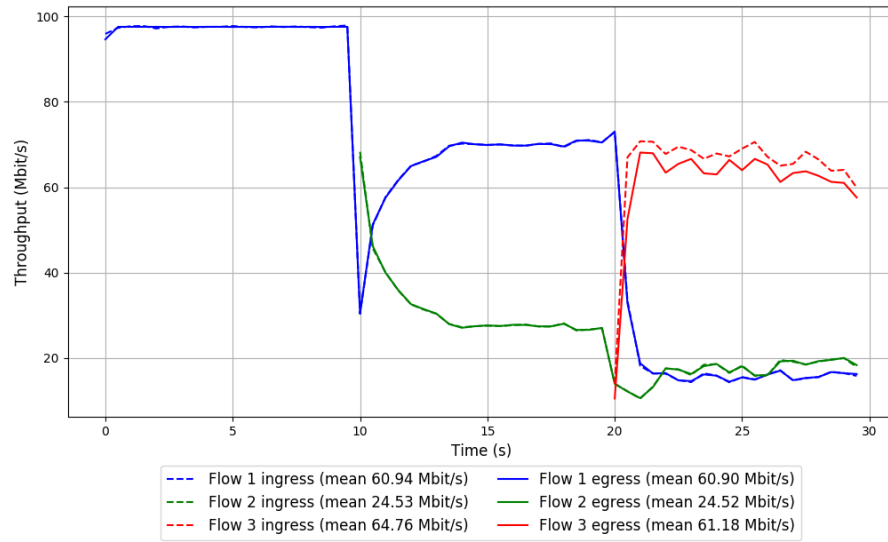
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	65.40	31.17	31.66	31.15	27.93	32.64	0.60	0.76	1.78
TCP Cubic	10	55.50	44.02	26.21	32.31	34.37	33.18	0.10	0.17	0.37
LEDBAT	10	58.03	37.39	33.20	29.92	26.42	26.60	0.21	0.52	0.50
PCC	10	71.11	20.18	10.18	18.53	12.40	11.48	0.50	0.20	0.36
QUIC Cubic	10	46.57	31.78	37.79	33.42	29.80	27.13	0.76	1.35	0.26
SCReAM	10	0.20	0.21	0.21	4.62	0.92	4.57	0.36	0.18	0.27
WebRTC media	10	2.41	1.50	0.57	8.79	4.07	9.70	0.20	0.02	0.14
Sprout	10	42.21	38.42	29.22	18.49	19.93	25.98	0.01	0.03	0.15
TaoVA-100x	10	55.72	40.62	22.66	13.66	19.29	21.22	0.15	0.20	0.59
TCP Vegas	10	50.12	43.35	37.78	4.25	7.83	11.69	0.43	0.27	0.80
Verus	10	47.36	31.85	27.40	40.03	36.84	37.09	17.09	22.57	37.77
Copa	10	50.90	41.62	30.83	10.39	6.93	11.46	0.60	0.01	0.29
FillP	10	59.36	39.01	35.06	31.09	36.59	35.12	16.92	24.31	31.26
Indigo-1-32	10	35.80	48.24	62.85	17.18	9.65	6.27	0.37	0.05	0.38
Vivace-latency	10	54.23	28.48	27.92	7.25	15.88	8.28	0.16	0.50	0.11
Vivace-loss	10	67.71	30.88	13.69	32.18	36.05	40.31	4.05	2.34	3.74
Vivace-LTE	10	61.04	39.47	20.21	31.79	35.84	43.76	0.39	0.77	1.68

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 15:09:03
End at: 2018-03-06 15:09:33
Local clock offset: -3.672 ms
Remote clock offset: -6.238 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 54.206 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 13.475 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 17.065 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 59.393 ms
Loss rate: 5.89%

Run 1: Report of TCP BBR — Data Link

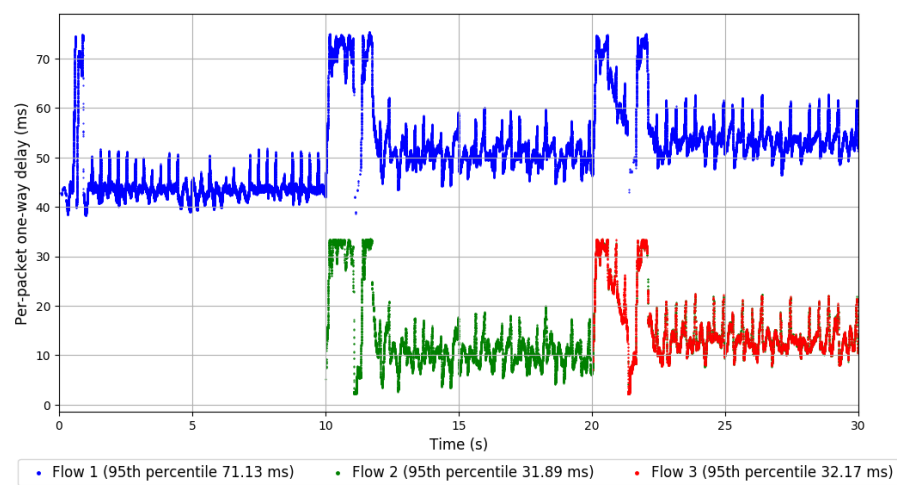
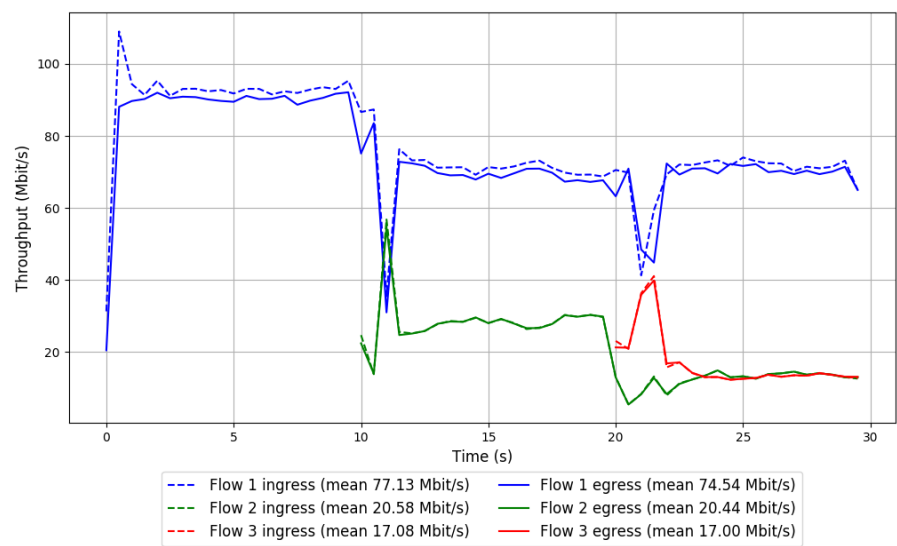


Run 2: Statistics of TCP BBR

Start at: 2018-03-06 15:29:34
End at: 2018-03-06 15:30:04
Local clock offset: -3.824 ms
Remote clock offset: -6.314 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 70.095 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 71.131 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 0.47%

Run 2: Report of TCP BBR — Data Link

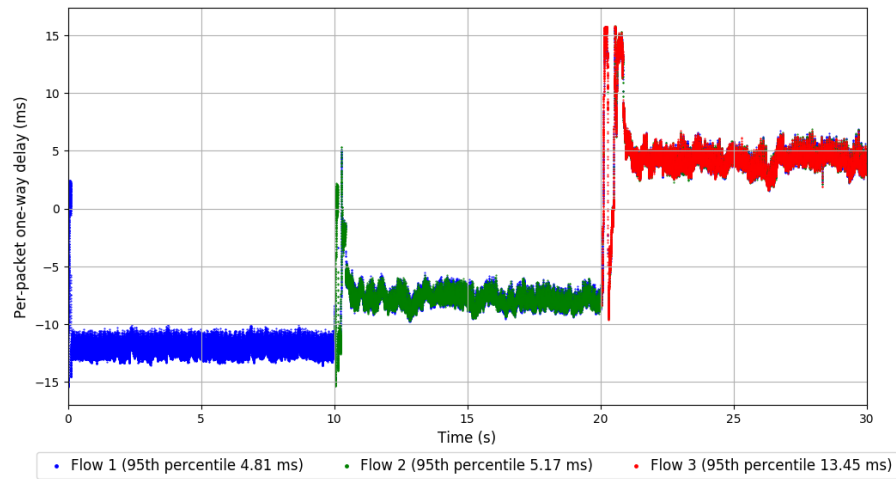
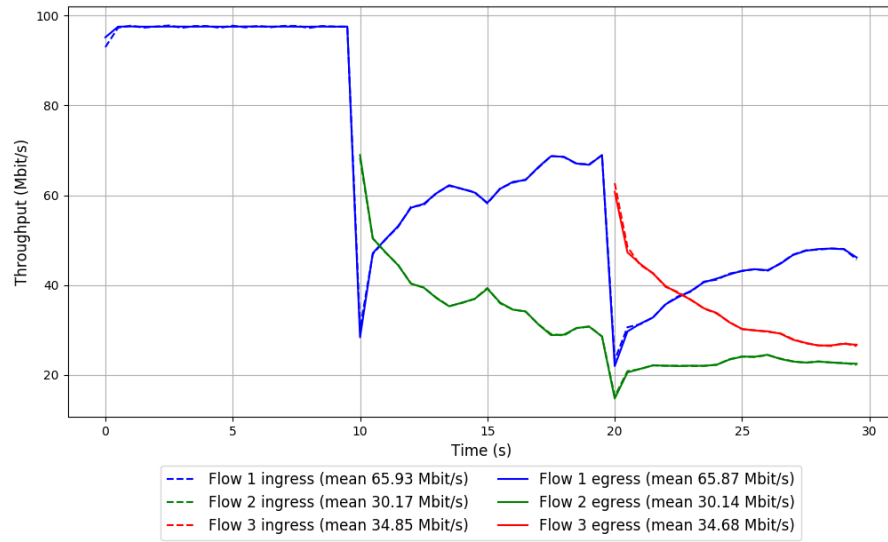


Run 3: Statistics of TCP BBR

Start at: 2018-03-06 15:50:08
End at: 2018-03-06 15:50:38
Local clock offset: -3.882 ms
Remote clock offset: -24.122 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 4.809 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 5.172 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 13.449 ms
Loss rate: 0.37%

Run 3: Report of TCP BBR — Data Link

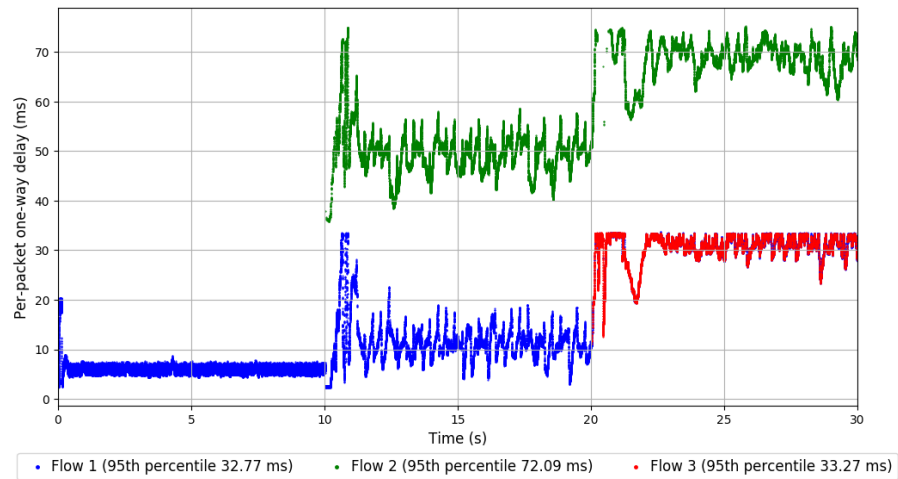
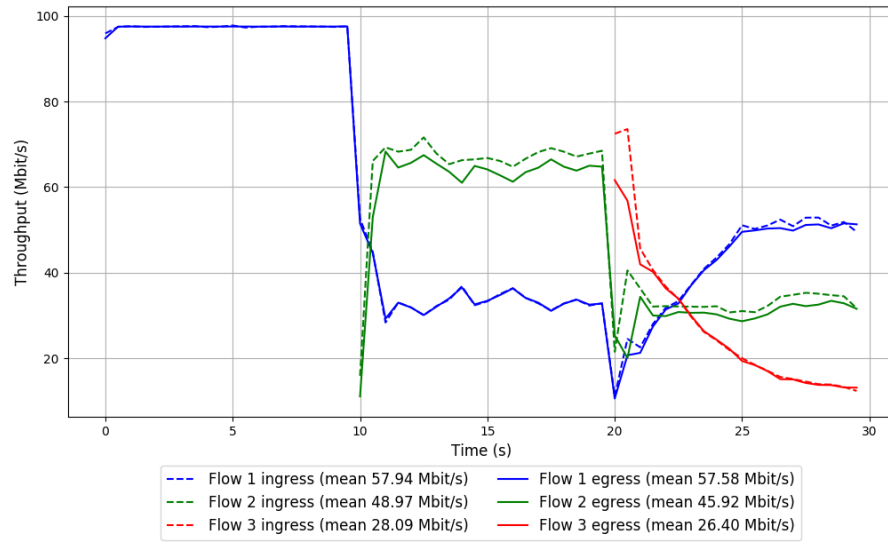


Run 4: Statistics of TCP BBR

Start at: 2018-03-06 16:10:39
End at: 2018-03-06 16:11:09
Local clock offset: -5.225 ms
Remote clock offset: -6.512 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 69.380 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 32.774 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 45.92 Mbit/s
95th percentile per-packet one-way delay: 72.086 ms
Loss rate: 6.27%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 5.82%

Run 4: Report of TCP BBR — Data Link

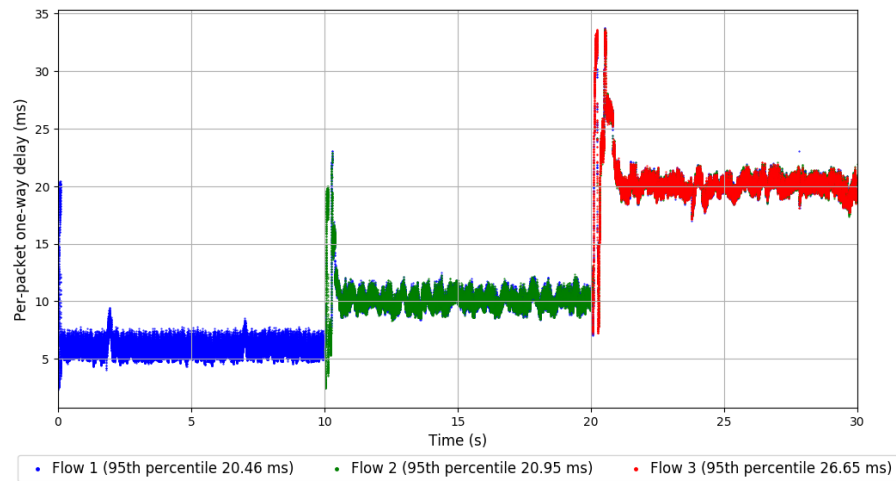
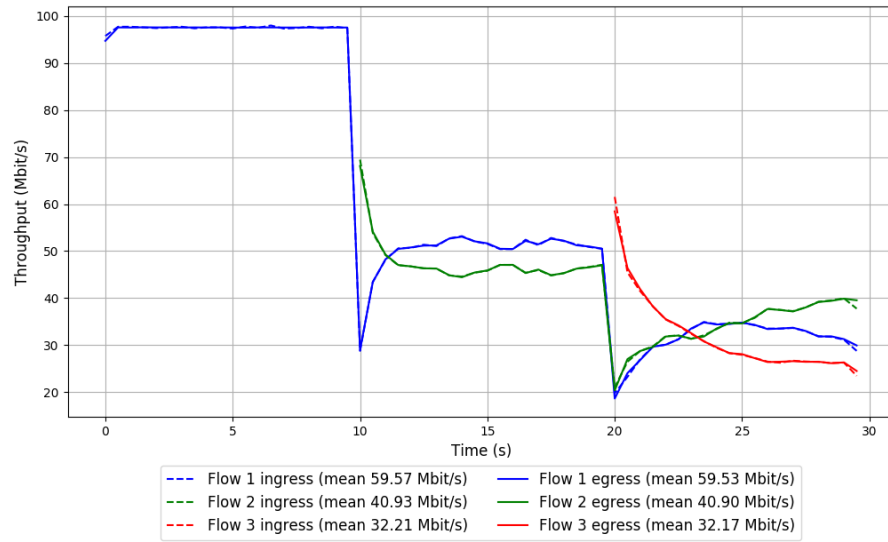


Run 5: Statistics of TCP BBR

Start at: 2018-03-06 16:31:09
End at: 2018-03-06 16:31:39
Local clock offset: -3.695 ms
Remote clock offset: -6.934 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 20.913 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 20.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 26.648 ms
Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link

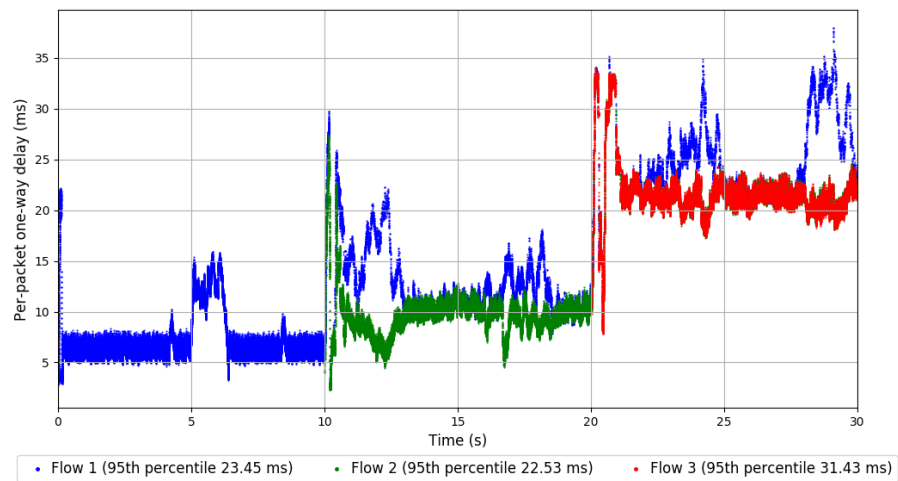
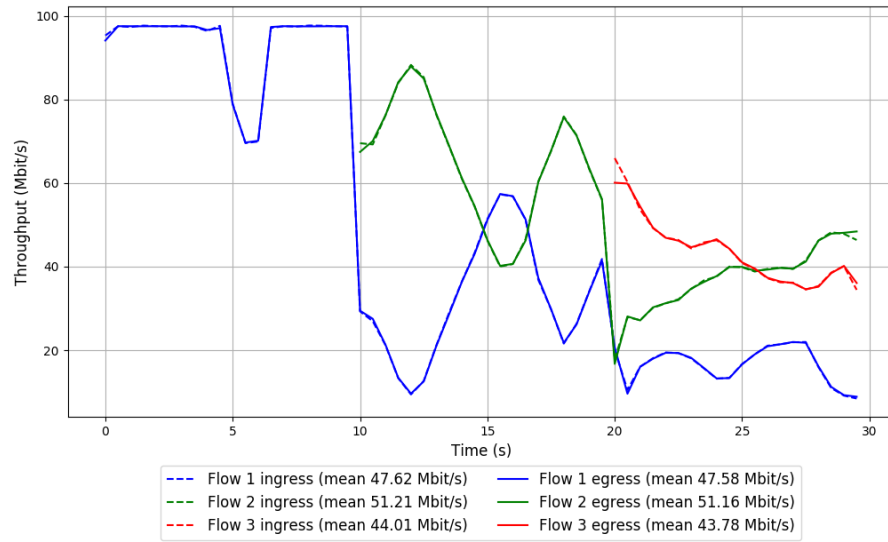


Run 6: Statistics of TCP BBR

Start at: 2018-03-06 16:51:45
End at: 2018-03-06 16:52:15
Local clock offset: -1.136 ms
Remote clock offset: -3.814 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 23.426 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 23.449 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 22.526 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 0.40%

Run 6: Report of TCP BBR — Data Link

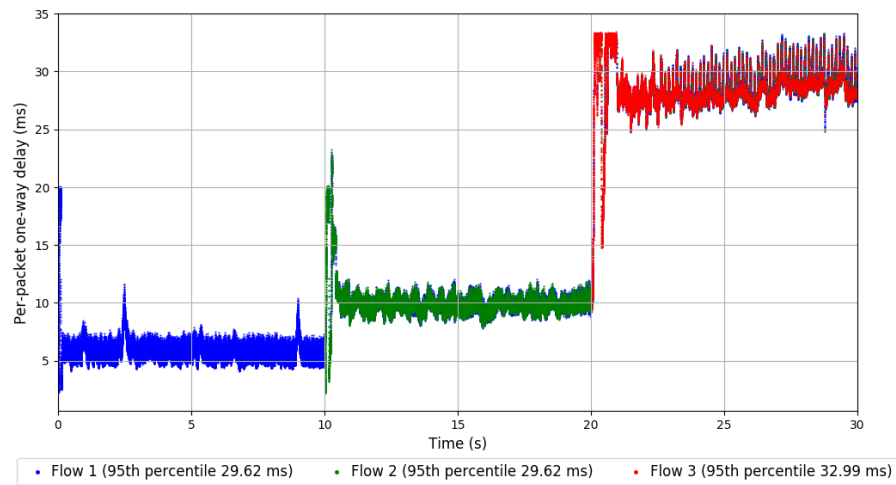
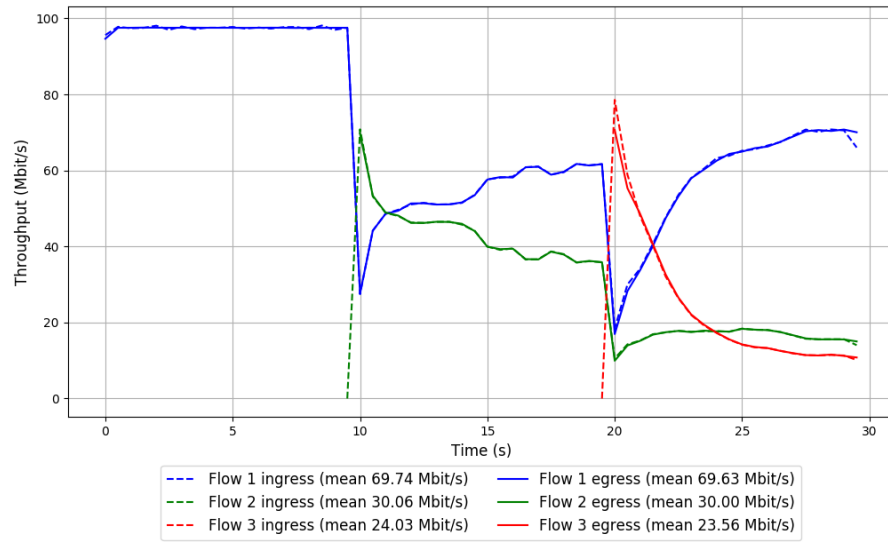


Run 7: Statistics of TCP BBR

Start at: 2018-03-06 17:12:18
End at: 2018-03-06 17:12:48
Local clock offset: -3.47 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2018-03-06 19:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 30.137 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 29.620 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 29.618 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 32.993 ms
Loss rate: 1.77%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-06 17:32:51

End at: 2018-03-06 17:33:21

Local clock offset: -4.853 ms

Remote clock offset: 7.669 ms

Below is generated by plot.py at 2018-03-06 19:02:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 25.309 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 24.864 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.60 Mbit/s

95th percentile per-packet one-way delay: 24.996 ms

Loss rate: 0.02%

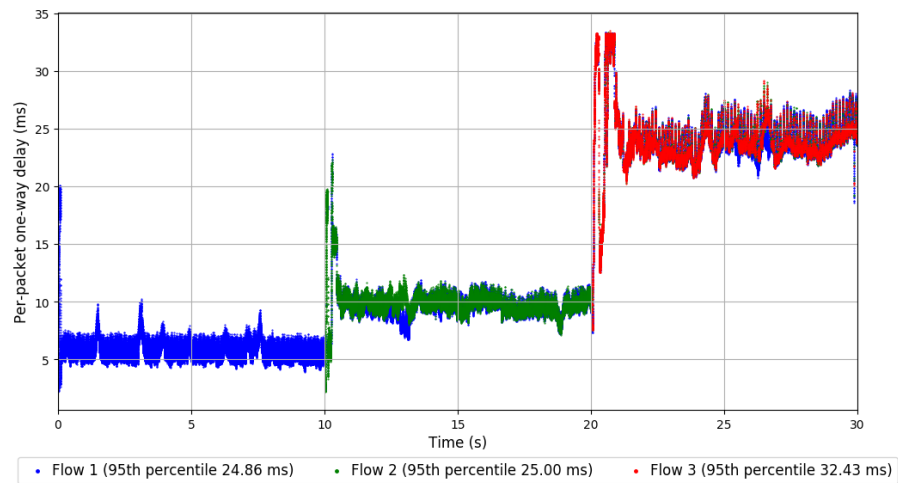
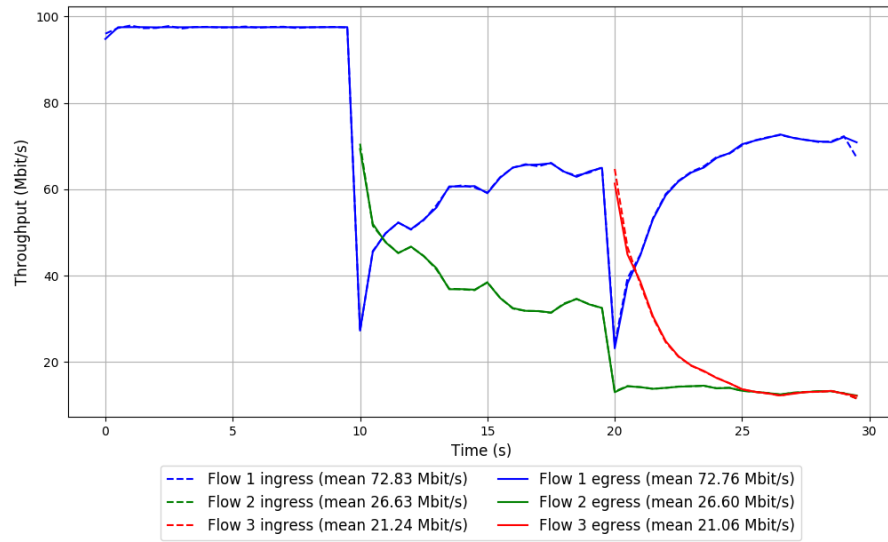
-- Flow 3:

Average throughput: 21.06 Mbit/s

95th percentile per-packet one-way delay: 32.432 ms

Loss rate: 0.73%

Run 8: Report of TCP BBR — Data Link

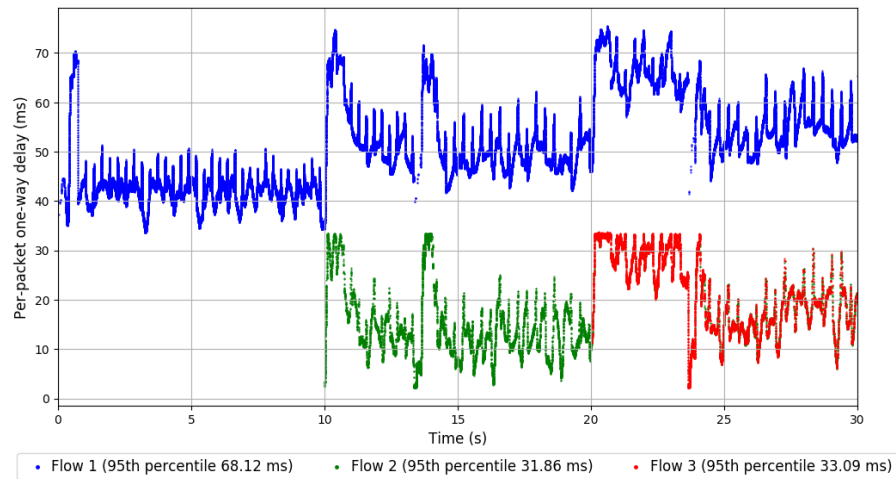
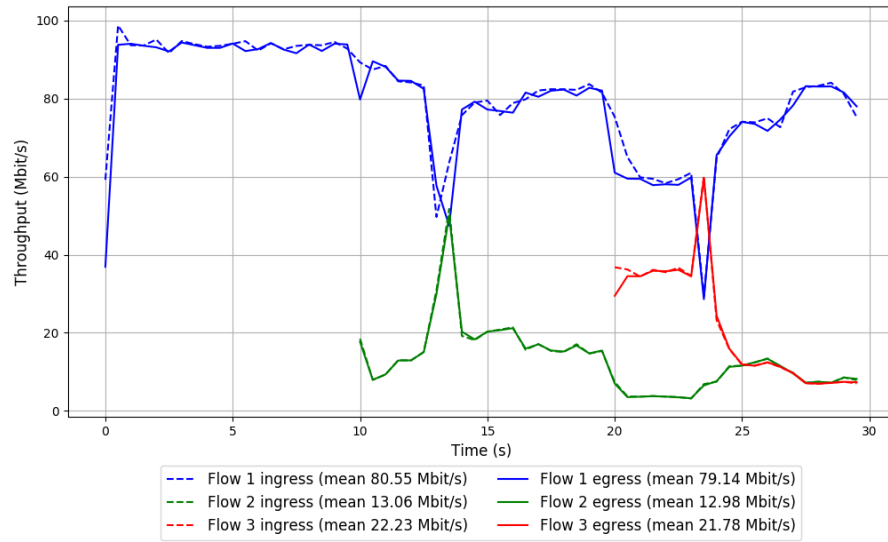


Run 9: Statistics of TCP BBR

Start at: 2018-03-06 17:53:22
End at: 2018-03-06 17:53:52
Local clock offset: -5.657 ms
Remote clock offset: 12.067 ms

Below is generated by plot.py at 2018-03-06 19:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 67.321 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 68.118 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 31.862 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 33.092 ms
Loss rate: 1.92%

Run 9: Report of TCP BBR — Data Link

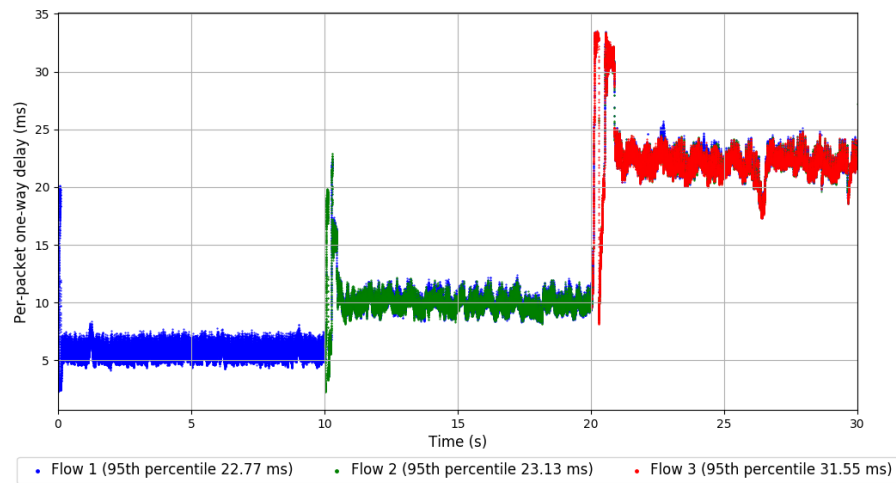
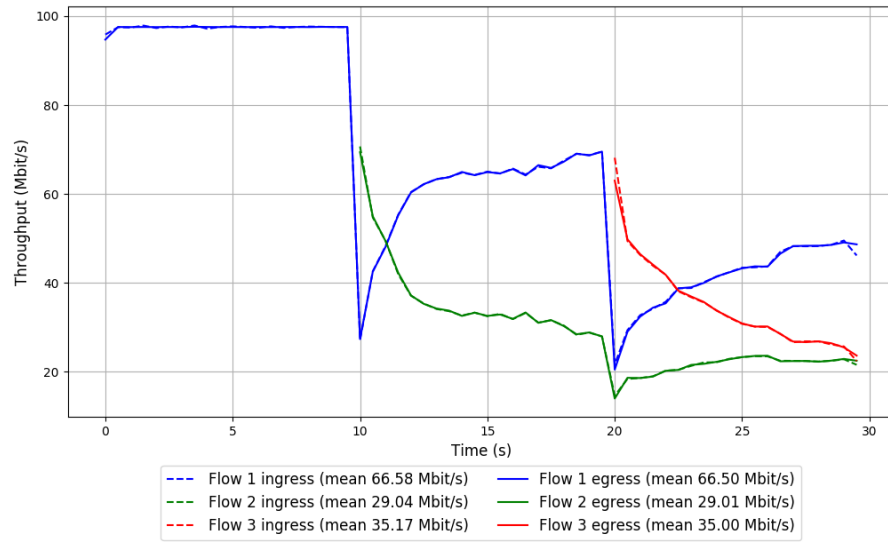


Run 10: Statistics of TCP BBR

Start at: 2018-03-06 18:13:55
End at: 2018-03-06 18:14:25
Local clock offset: -5.283 ms
Remote clock offset: 15.339 ms

Below is generated by plot.py at 2018-03-06 19:03:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.200 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 22.774 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 31.547 ms
Loss rate: 0.36%

Run 10: Report of TCP BBR — Data Link

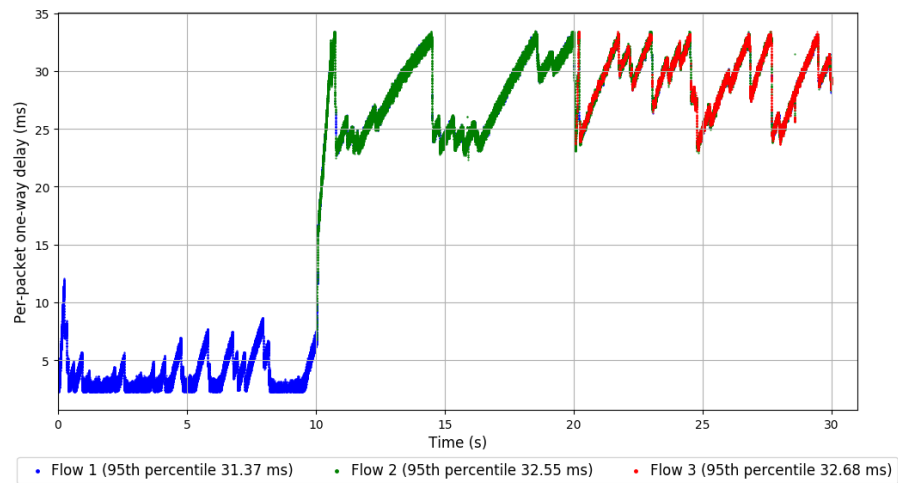
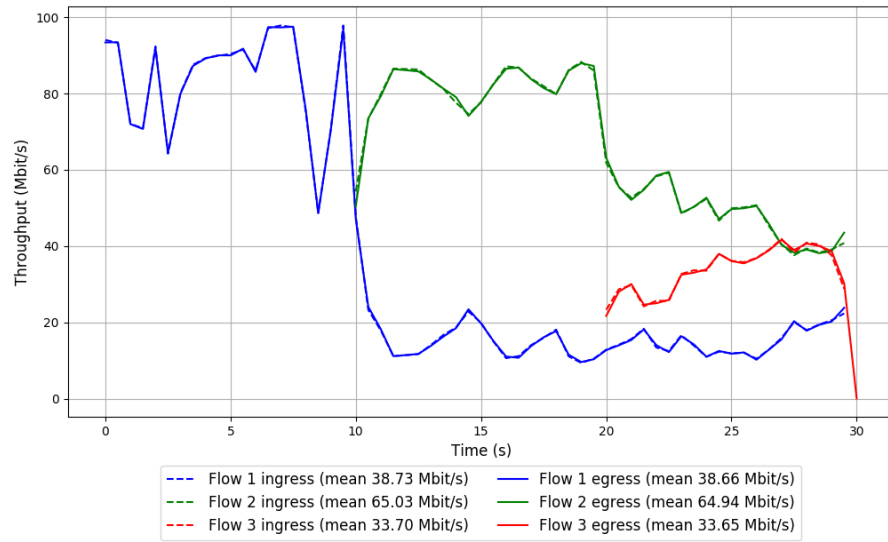


Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 15:28:26
End at: 2018-03-06 15:28:56
Local clock offset: -3.813 ms
Remote clock offset: -6.312 ms

Below is generated by plot.py at 2018-03-06 19:03:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 31.372 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 32.552 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 32.676 ms
Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link

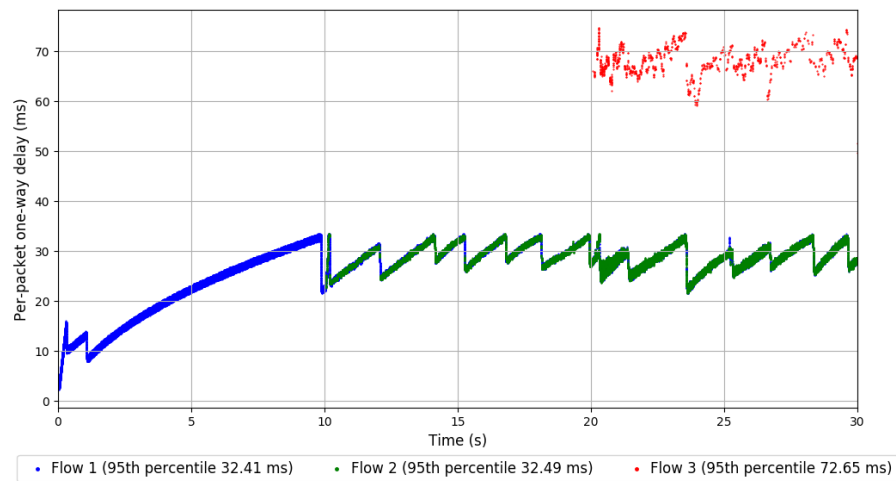
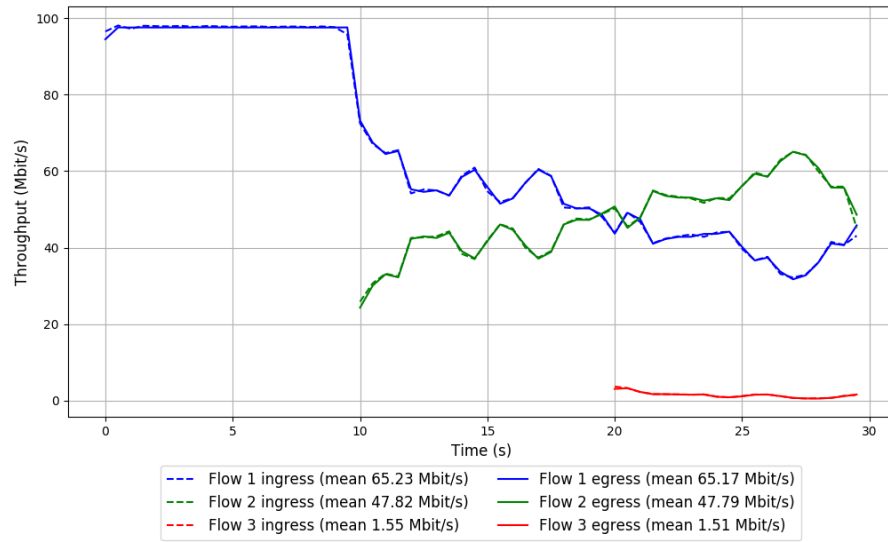


Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 15:48:59
End at: 2018-03-06 15:49:29
Local clock offset: -3.881 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-03-06 19:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.470 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 32.410 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 32.493 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 72.648 ms
Loss rate: 2.57%

Run 2: Report of TCP Cubic — Data Link

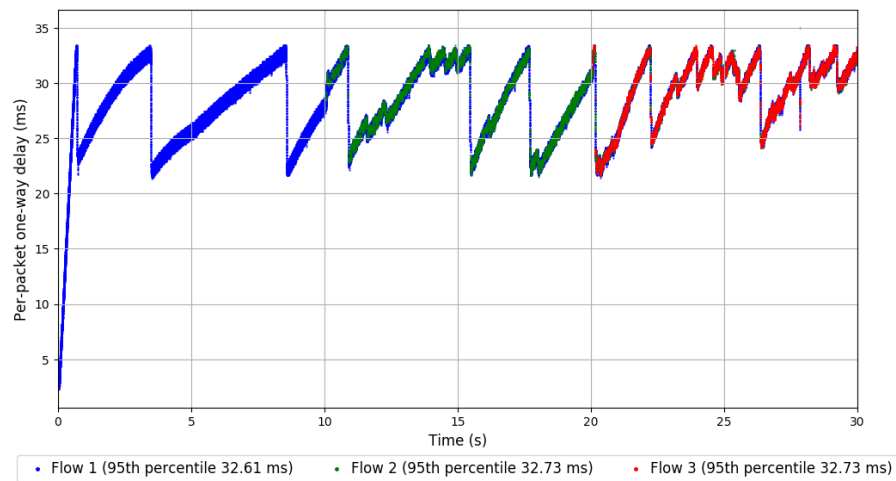
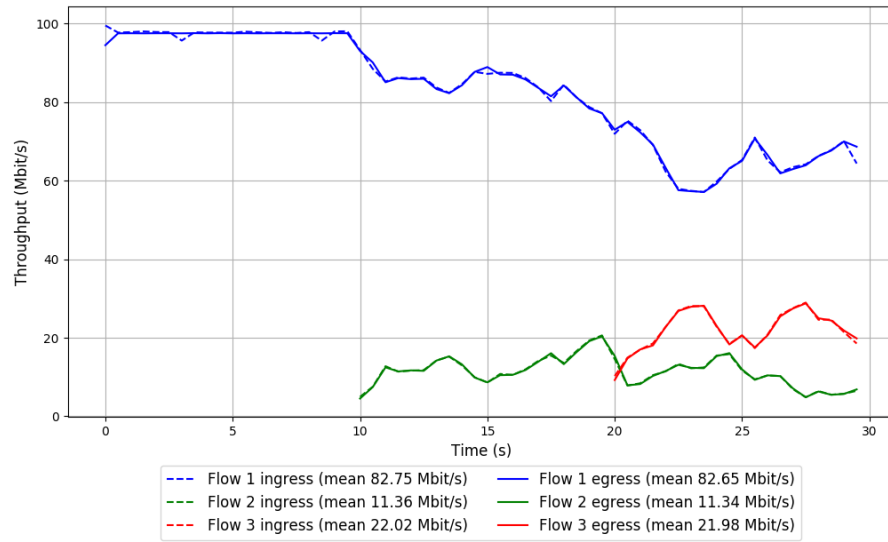


Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 16:09:30
End at: 2018-03-06 16:10:00
Local clock offset: -5.185 ms
Remote clock offset: -6.479 ms

Below is generated by plot.py at 2018-03-06 19:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.648 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 32.613 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 32.731 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 21.98 Mbit/s
95th percentile per-packet one-way delay: 32.730 ms
Loss rate: 0.15%

Run 3: Report of TCP Cubic — Data Link

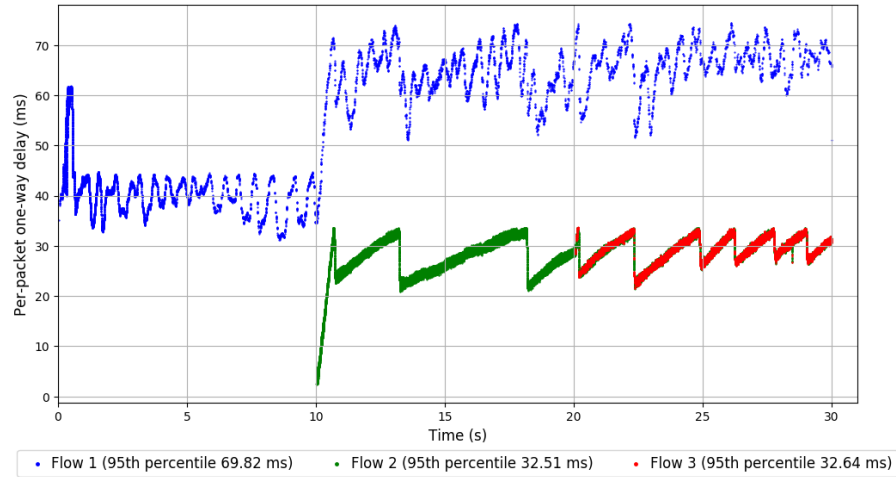
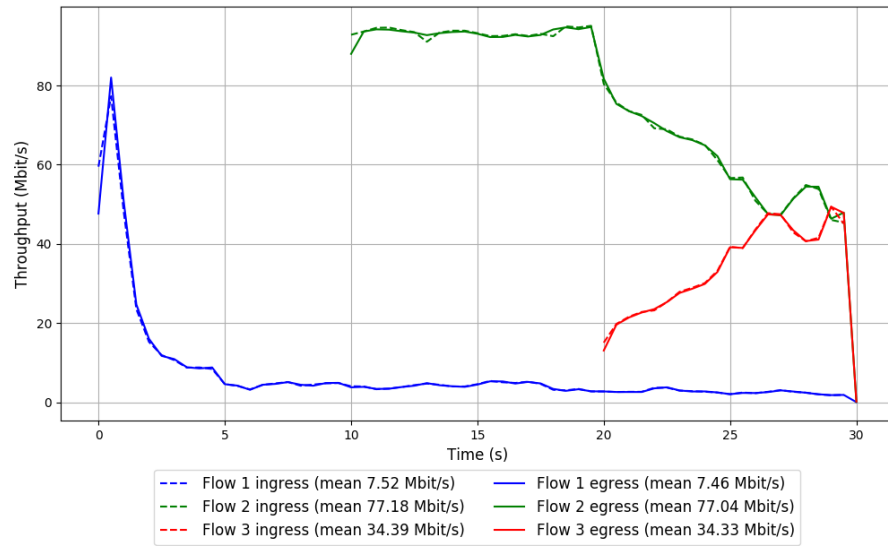


Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 16:30:02
End at: 2018-03-06 16:30:32
Local clock offset: -4.035 ms
Remote clock offset: -6.988 ms

Below is generated by plot.py at 2018-03-06 19:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 43.740 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 69.821 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 32.513 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 32.638 ms
Loss rate: 0.15%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 16:50:37

End at: 2018-03-06 16:51:07

Local clock offset: -1.125 ms

Remote clock offset: -4.11 ms

Below is generated by plot.py at 2018-03-06 19:03:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.597 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 63.70 Mbit/s

95th percentile per-packet one-way delay: 32.554 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 39.36 Mbit/s

95th percentile per-packet one-way delay: 32.631 ms

Loss rate: 0.07%

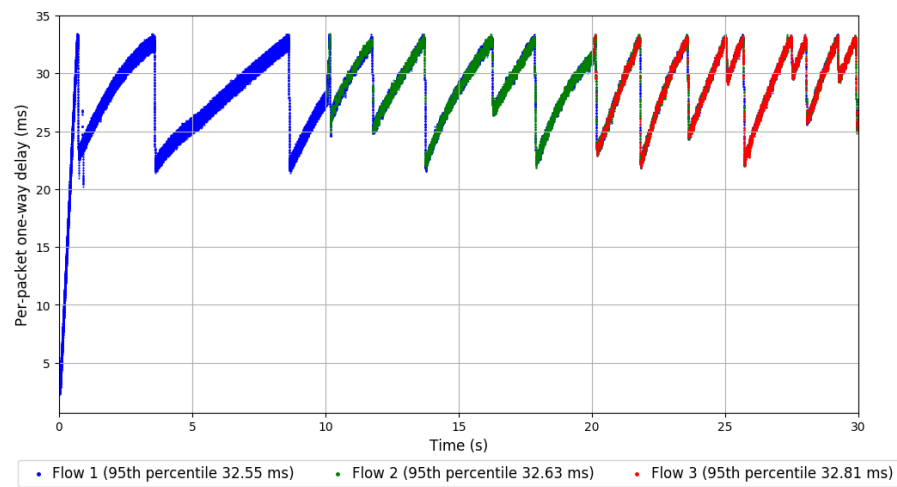
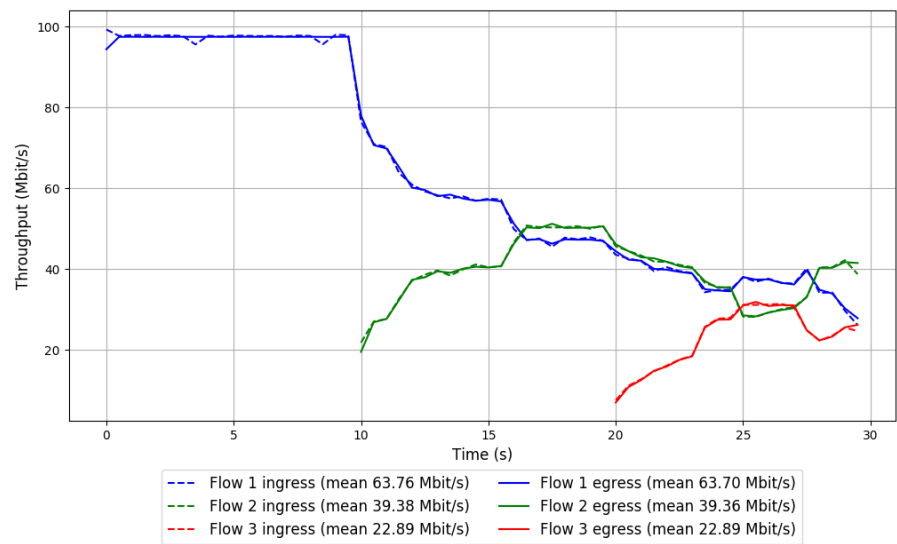
-- Flow 3:

Average throughput: 22.89 Mbit/s

95th percentile per-packet one-way delay: 32.812 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

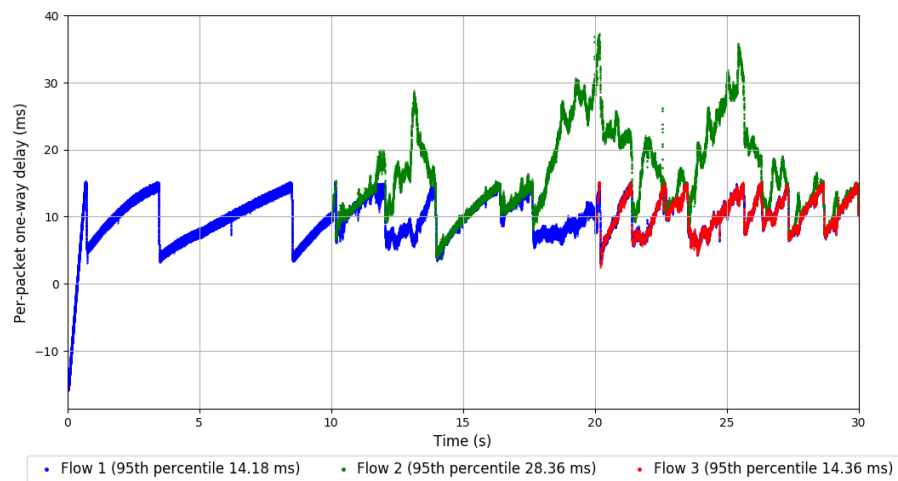
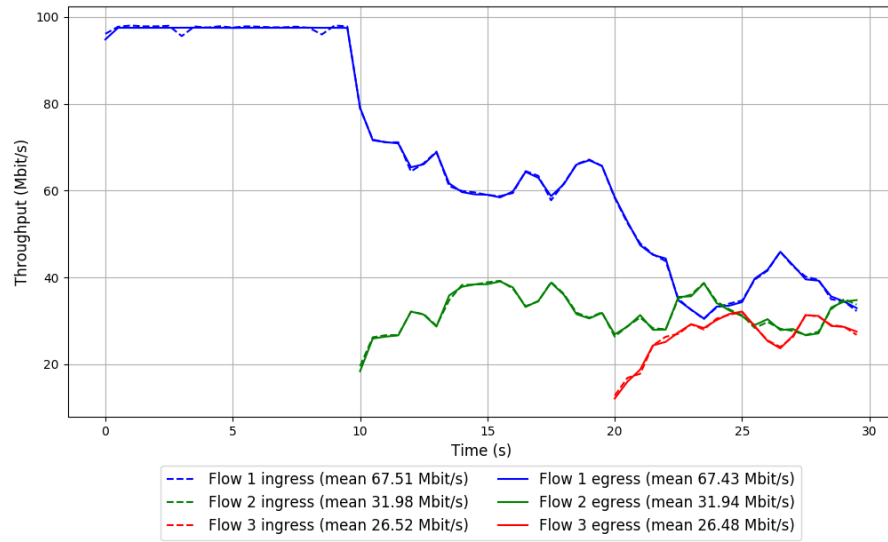


Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 17:11:09
End at: 2018-03-06 17:11:39
Local clock offset: -3.326 ms
Remote clock offset: -19.372 ms

Below is generated by plot.py at 2018-03-06 19:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 20.887 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 14.175 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 28.355 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 14.356 ms
Loss rate: 0.14%

Run 6: Report of TCP Cubic — Data Link

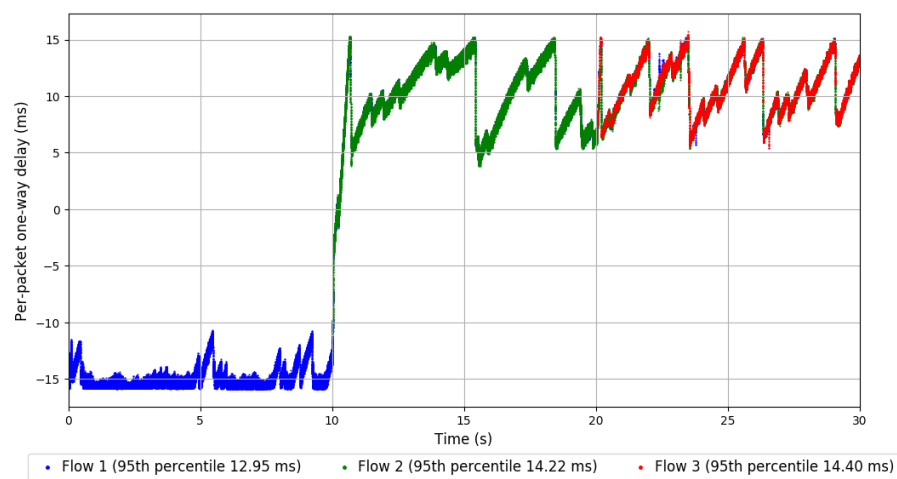
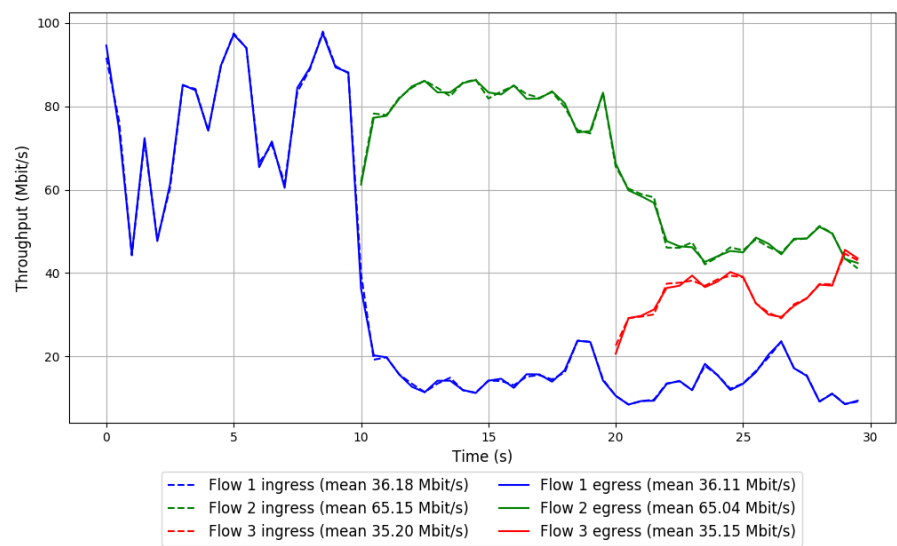


Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 17:31:42
End at: 2018-03-06 17:32:12
Local clock offset: -4.784 ms
Remote clock offset: -10.755 ms

Below is generated by plot.py at 2018-03-06 19:04:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 14.074 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 12.947 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 14.217 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 14.402 ms
Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link

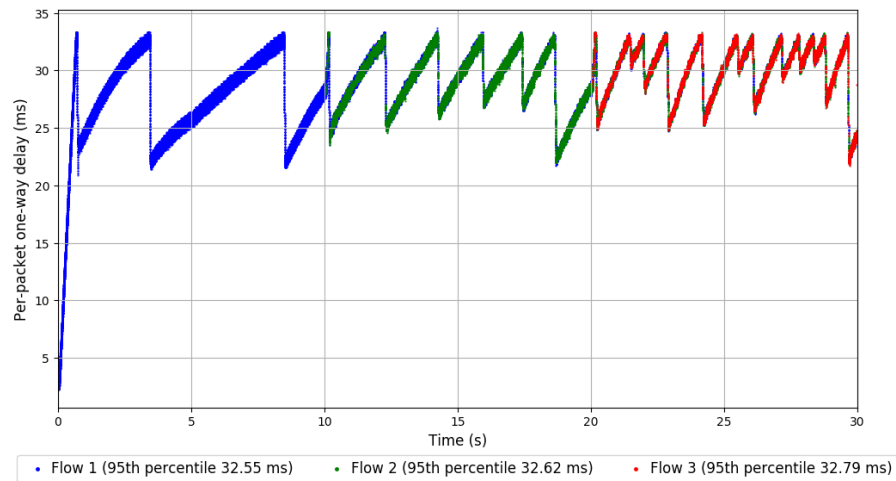
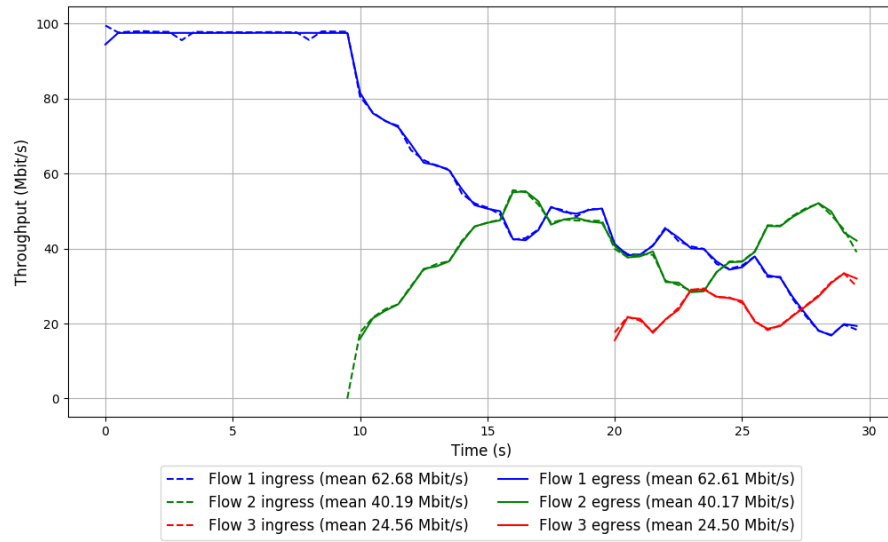


Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 17:52:14
End at: 2018-03-06 17:52:44
Local clock offset: -5.61 ms
Remote clock offset: 11.804 ms

Below is generated by plot.py at 2018-03-06 19:04:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.583 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 32.553 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 32.620 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.21%

Run 8: Report of TCP Cubic — Data Link

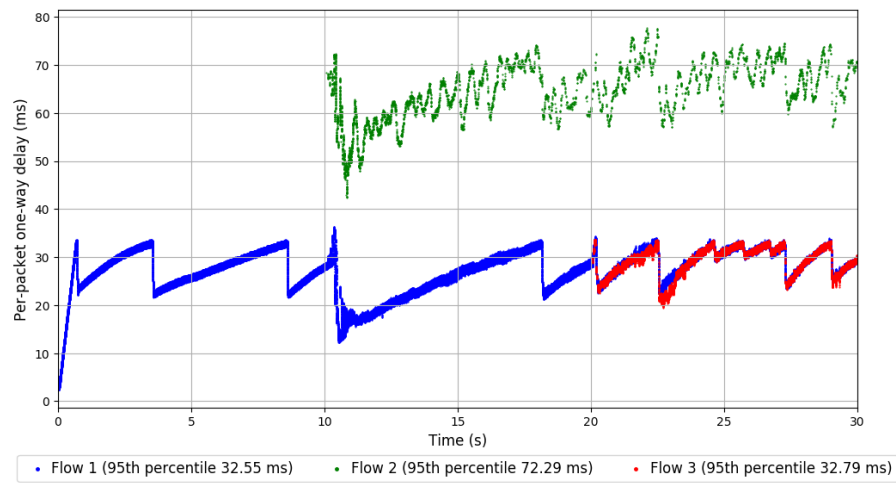
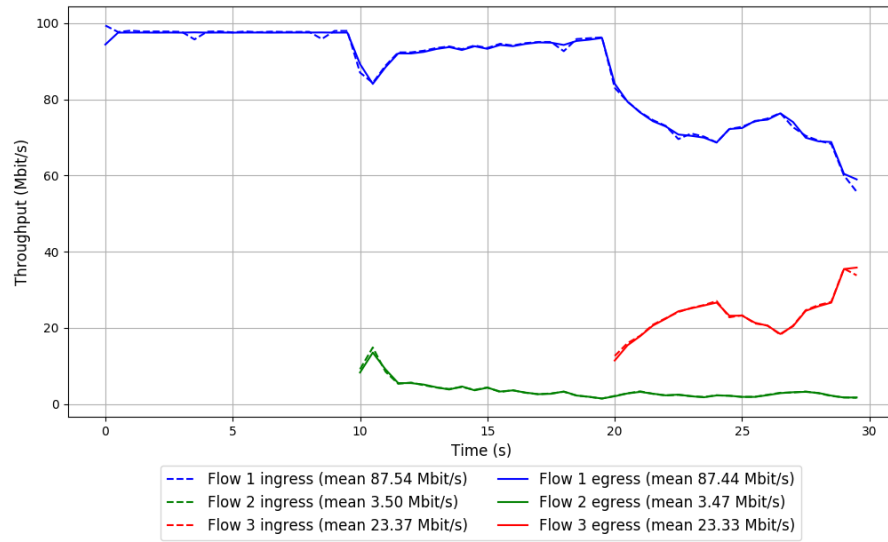


Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 18:12:46
End at: 2018-03-06 18:13:16
Local clock offset: -5.471 ms
Remote clock offset: 15.232 ms

Below is generated by plot.py at 2018-03-06 19:04:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.823 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 32.553 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 72.293 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 0.20%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 18:33:19

End at: 2018-03-06 18:33:49

Local clock offset: -4.459 ms

Remote clock offset: 0.963 ms

Below is generated by plot.py at 2018-03-06 19:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 33.194 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 32.142 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 33.280 ms

Loss rate: 0.04%

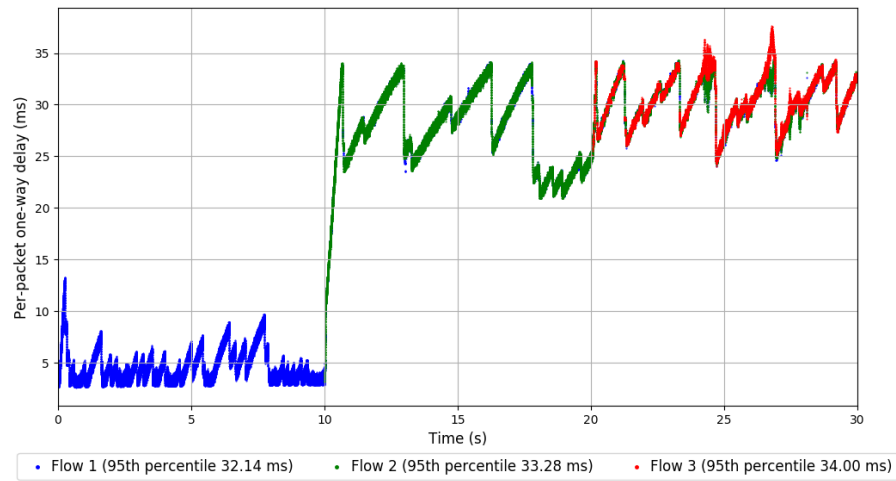
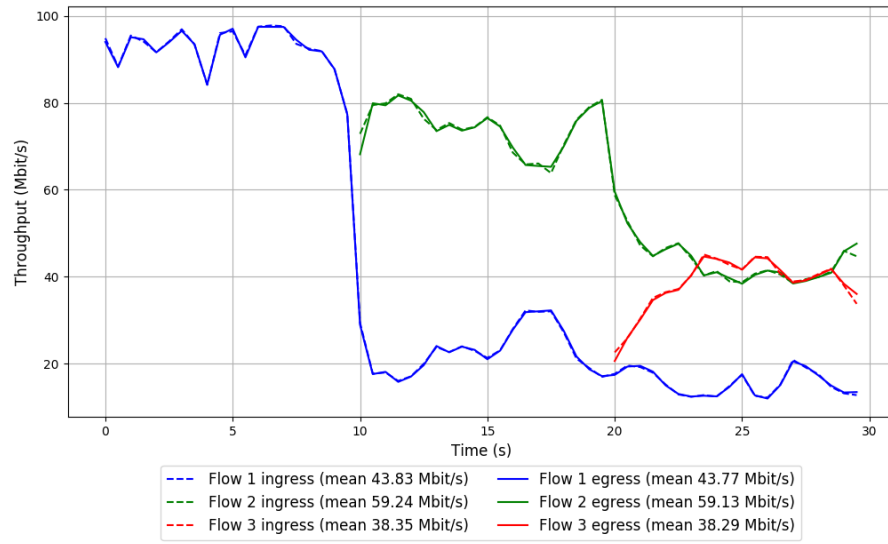
-- Flow 3:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 34.002 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

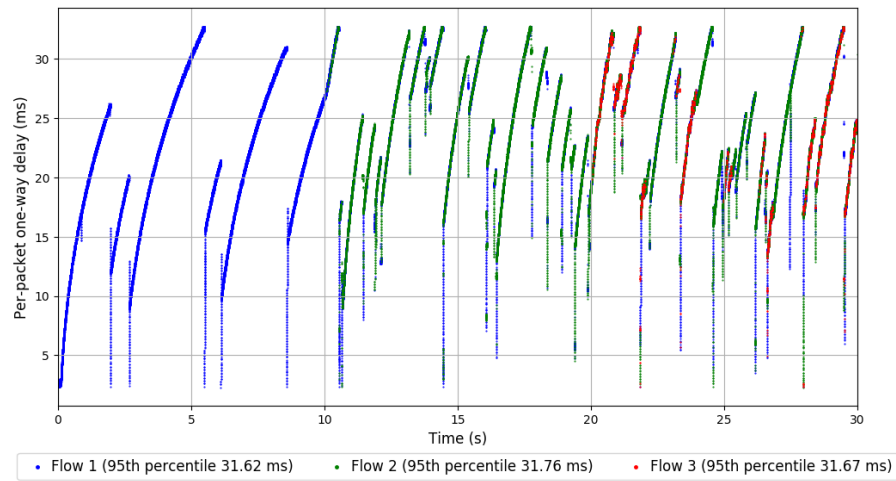
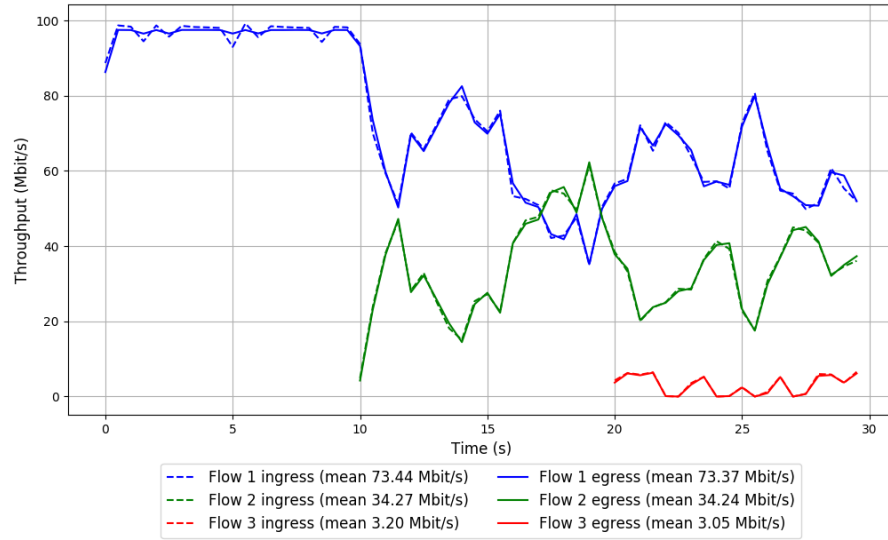


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 15:11:23
End at: 2018-03-06 15:11:53
Local clock offset: -3.658 ms
Remote clock offset: -6.238 ms

# Below is generated by plot.py at 2018-03-06 19:05:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 31.681 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 31.625 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 31.674 ms
Loss rate: 4.43%
```


Run 1: Report of LEDBAT — Data Link

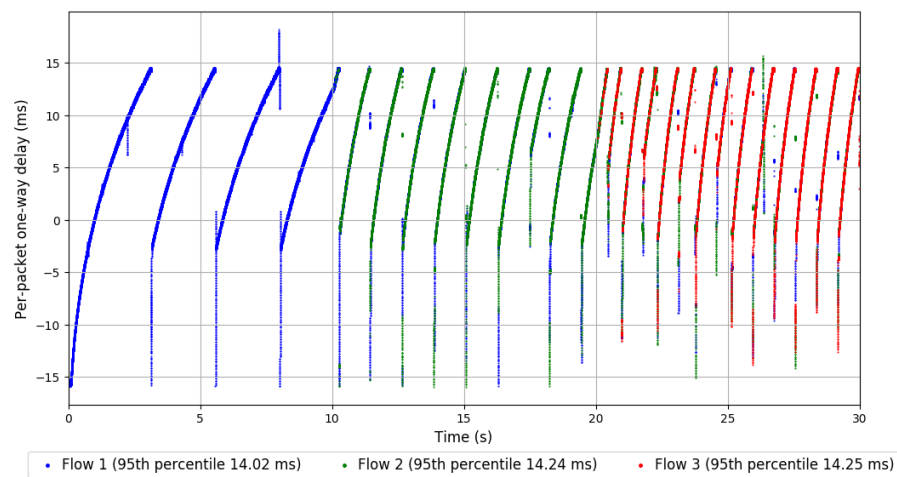
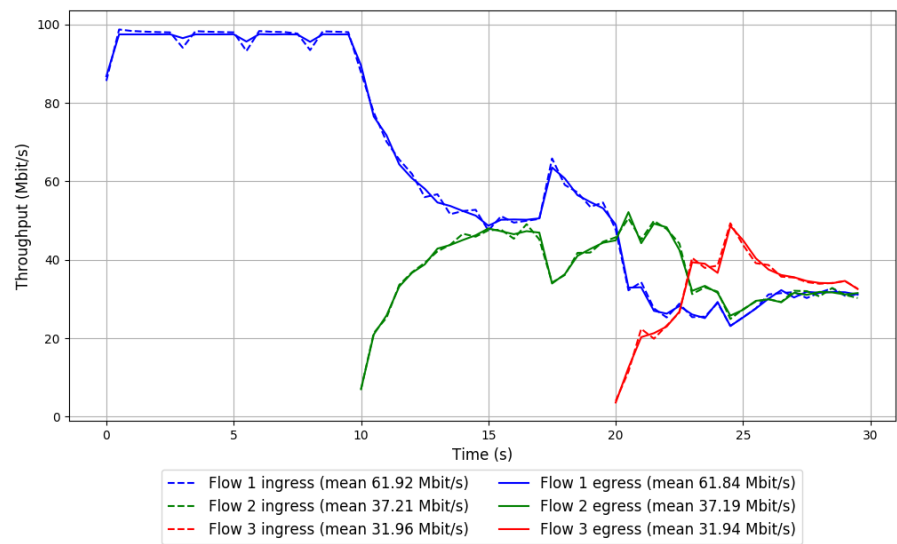


Run 2: Statistics of LEDBAT

Start at: 2018-03-06 15:31:54
End at: 2018-03-06 15:32:24
Local clock offset: -3.849 ms
Remote clock offset: -24.488 ms

Below is generated by plot.py at 2018-03-06 19:05:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 14.199 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 14.021 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 14.238 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 14.252 ms
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

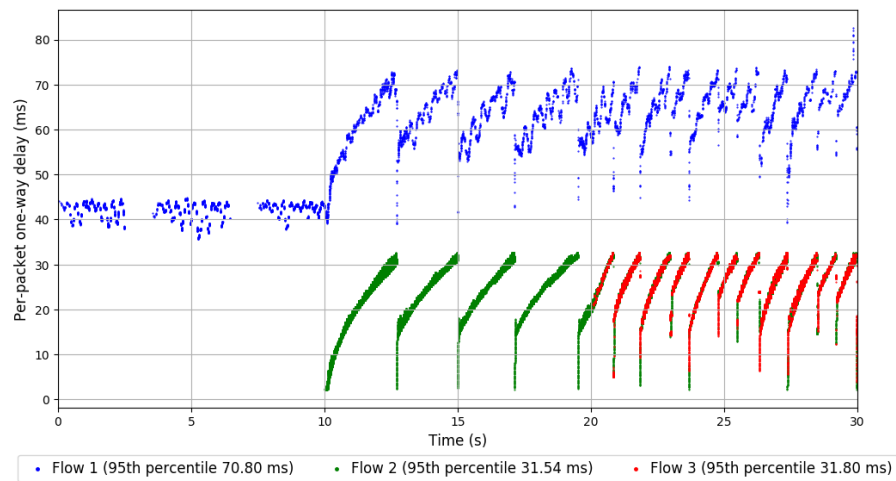
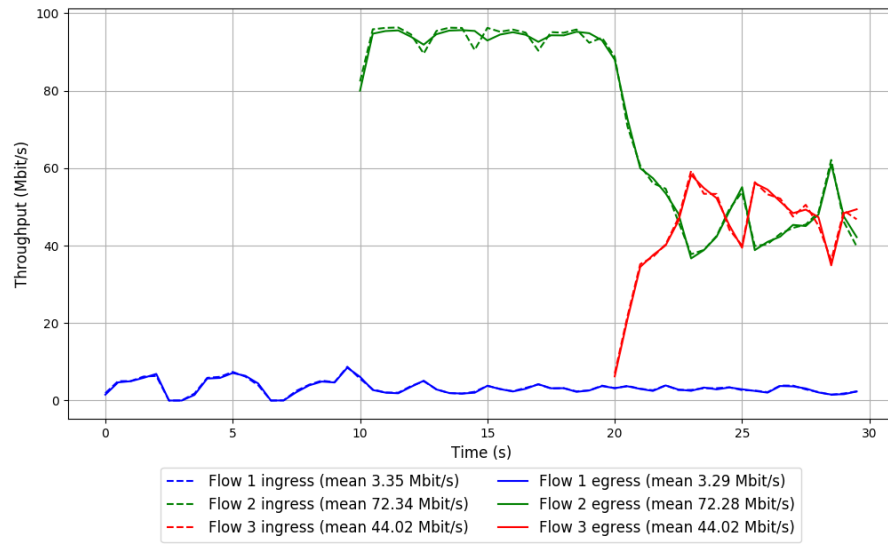


Run 3: Statistics of LEDBAT

Start at: 2018-03-06 15:52:27
End at: 2018-03-06 15:52:57
Local clock offset: -3.967 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-03-06 19:05:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 32.594 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 70.798 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 31.539 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 31.799 ms
Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link

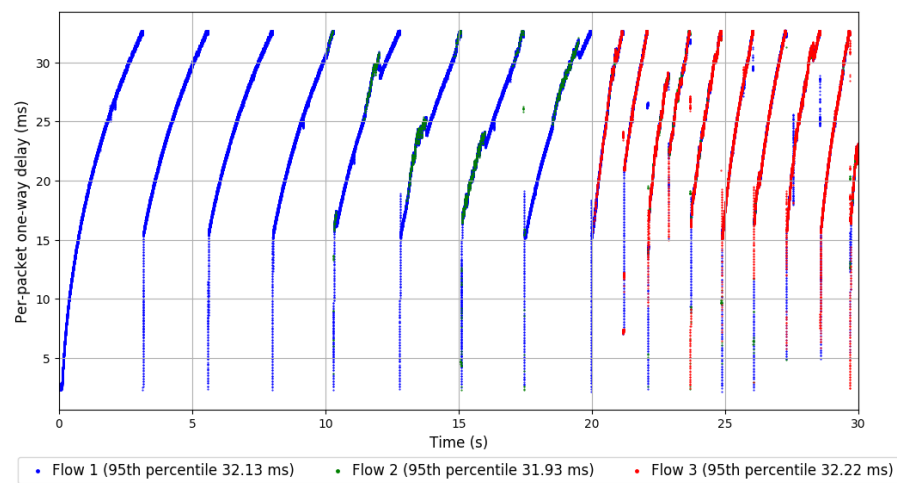
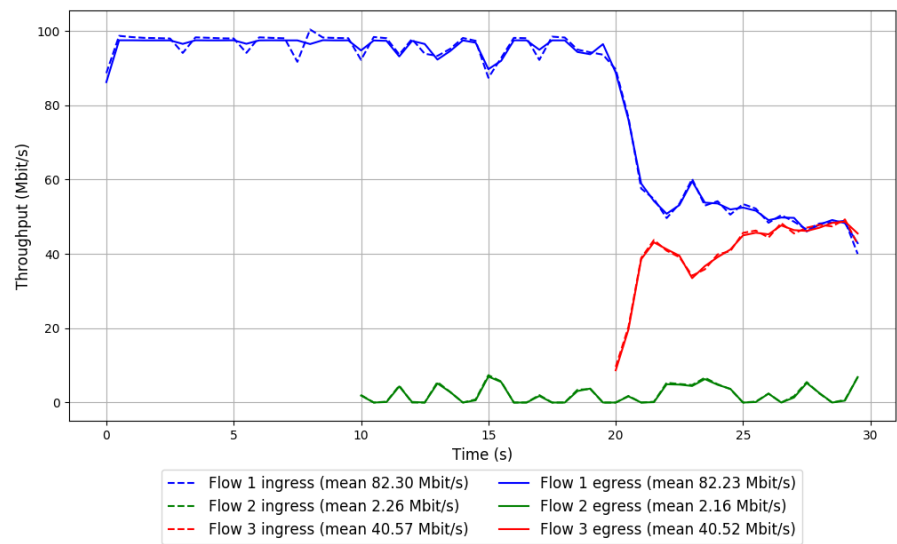


Run 4: Statistics of LEDBAT

Start at: 2018-03-06 16:13:00
End at: 2018-03-06 16:13:30
Local clock offset: -5.293 ms
Remote clock offset: -6.605 ms

Below is generated by plot.py at 2018-03-06 19:05:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 32.141 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.23 Mbit/s
95th percentile per-packet one-way delay: 32.129 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 31.934 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 32.218 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

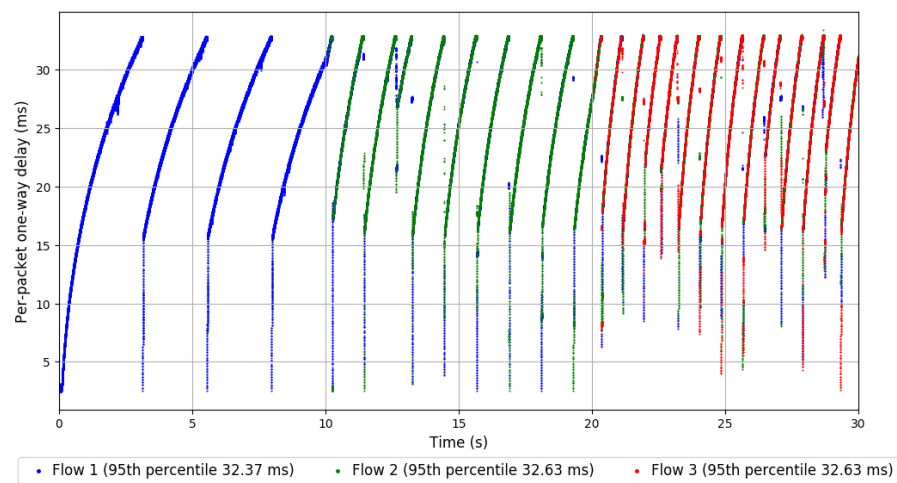
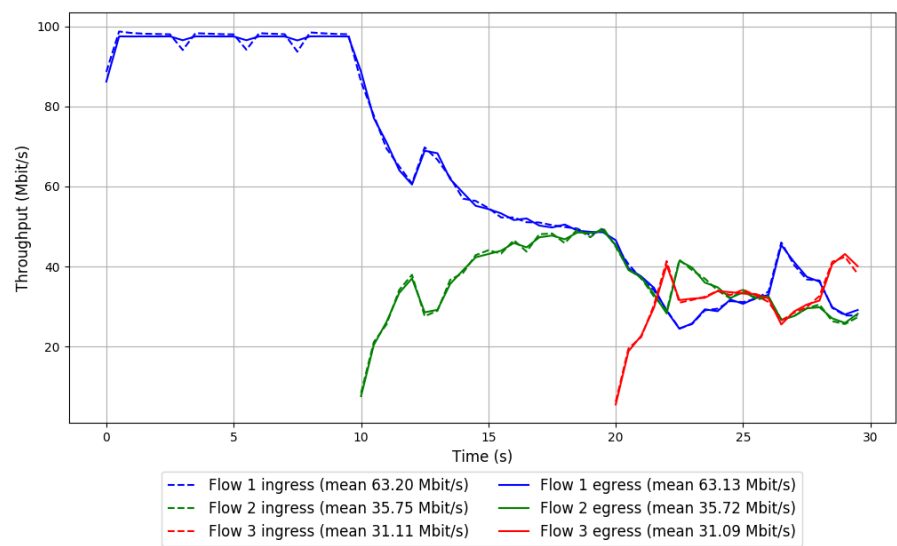


Run 5: Statistics of LEDBAT

Start at: 2018-03-06 16:33:26
End at: 2018-03-06 16:33:56
Local clock offset: -3.225 ms
Remote clock offset: -6.995 ms

Below is generated by plot.py at 2018-03-06 19:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.504 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 32.370 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 32.632 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 32.632 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

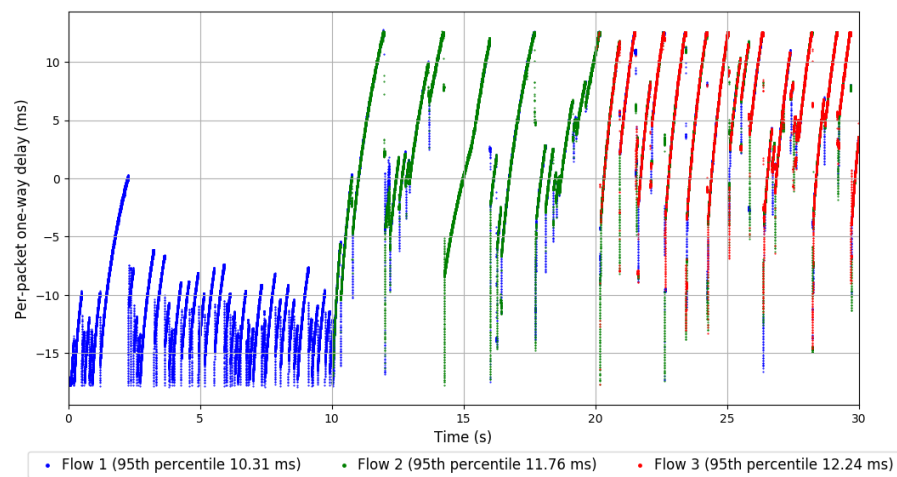
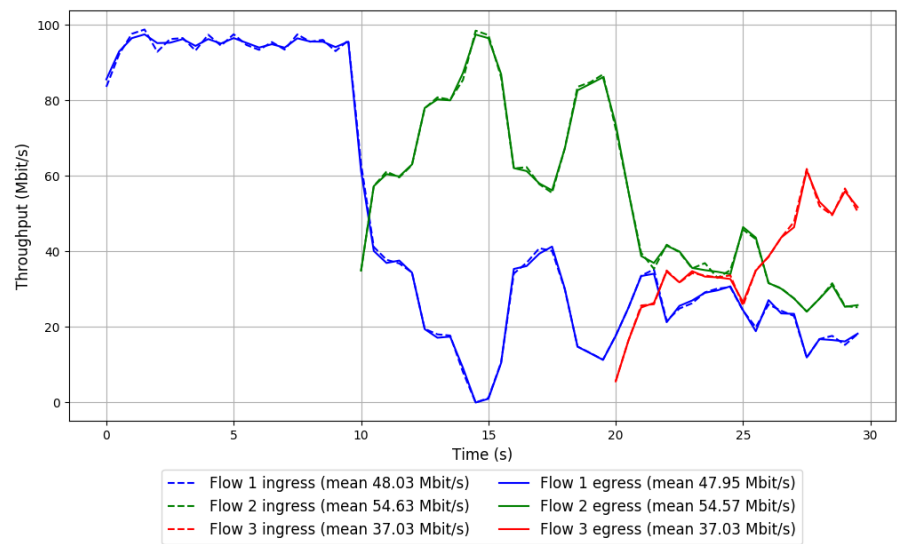


Run 6: Statistics of LEDBAT

Start at: 2018-03-06 16:54:05
End at: 2018-03-06 16:54:35
Local clock offset: -0.917 ms
Remote clock offset: -23.317 ms

Below is generated by plot.py at 2018-03-06 19:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 11.497 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 10.308 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 11.755 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 12.241 ms
Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link

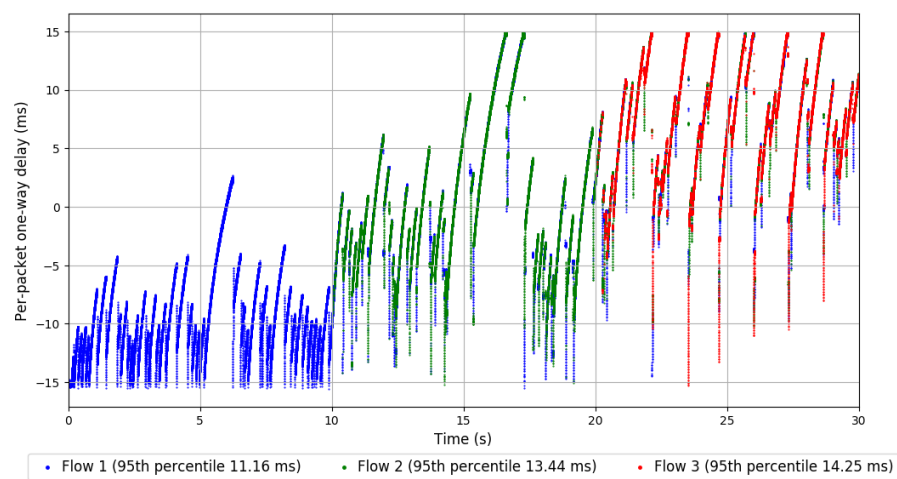
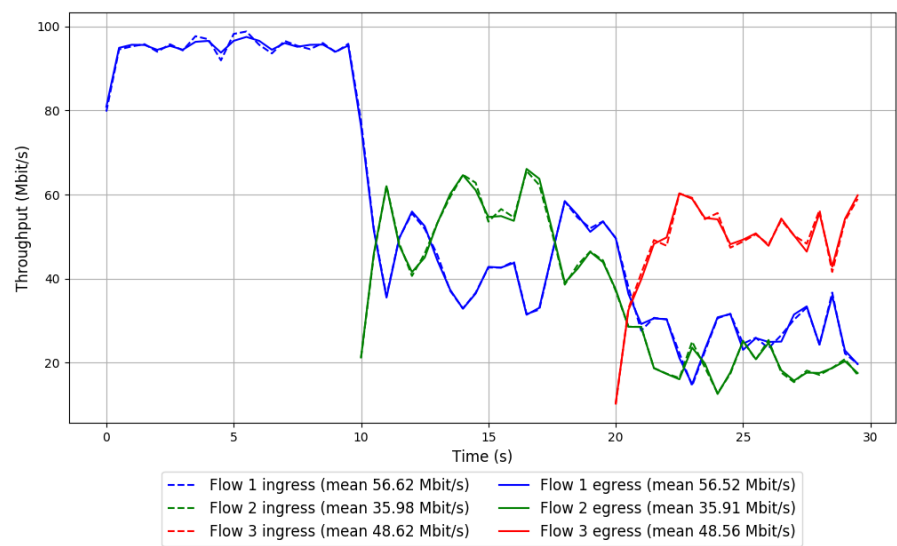


Run 7: Statistics of LEDBAT

Start at: 2018-03-06 17:14:37
End at: 2018-03-06 17:15:07
Local clock offset: -3.715 ms
Remote clock offset: -18.55 ms

Below is generated by plot.py at 2018-03-06 19:06:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 13.046 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 11.160 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 13.436 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 14.249 ms
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

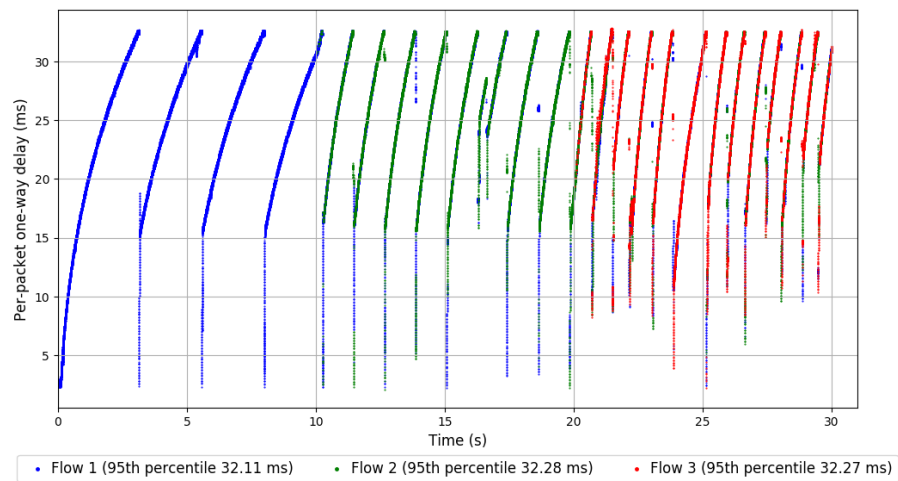
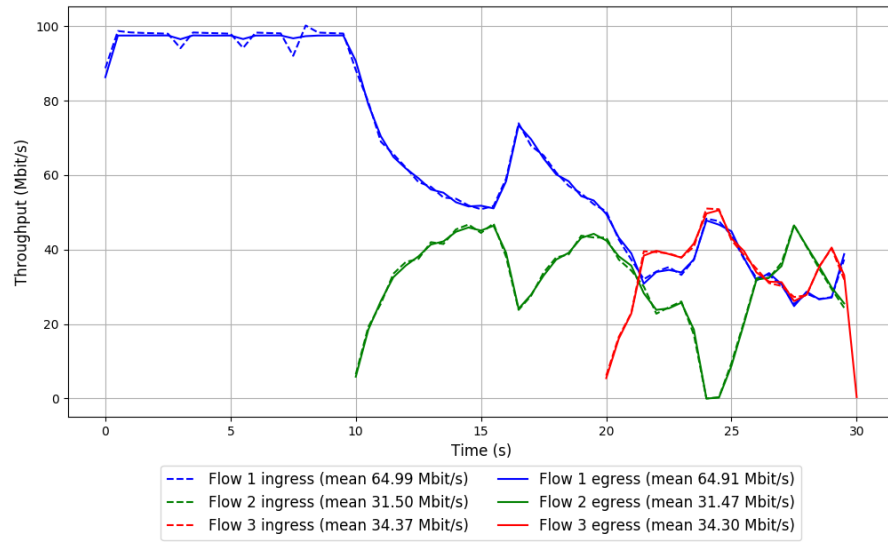


Run 8: Statistics of LEDBAT

Start at: 2018-03-06 17:35:10
End at: 2018-03-06 17:35:40
Local clock offset: -4.983 ms
Remote clock offset: 8.317 ms

Below is generated by plot.py at 2018-03-06 19:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.155 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 32.268 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link

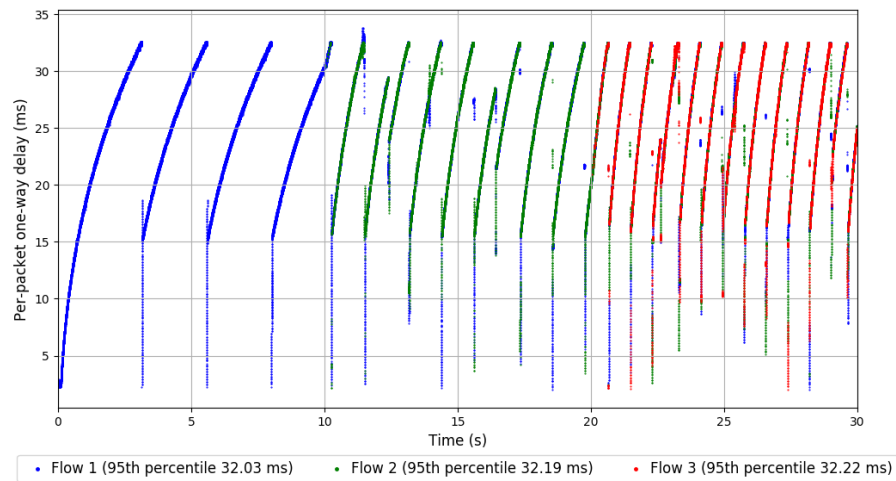
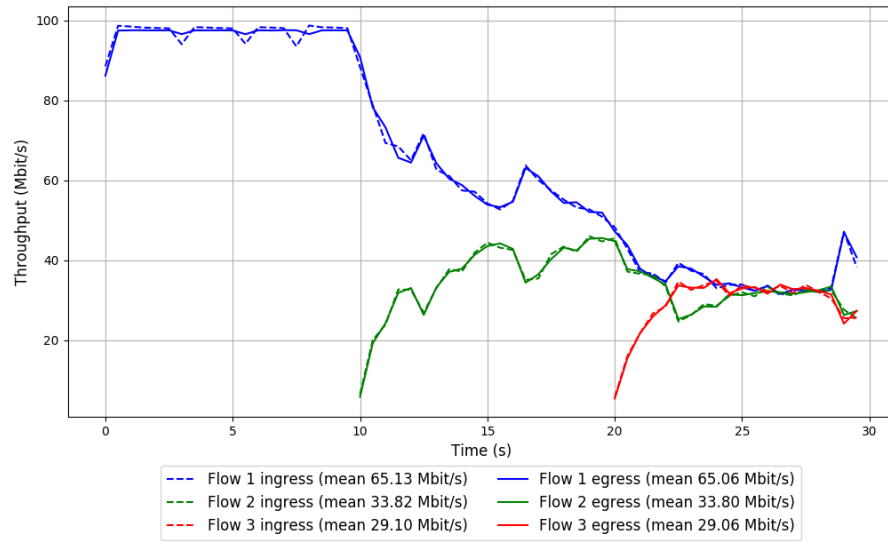


Run 9: Statistics of LEDBAT

Start at: 2018-03-06 17:55:42
End at: 2018-03-06 17:56:12
Local clock offset: -5.75 ms
Remote clock offset: 12.347 ms

Below is generated by plot.py at 2018-03-06 19:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 32.188 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 32.217 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

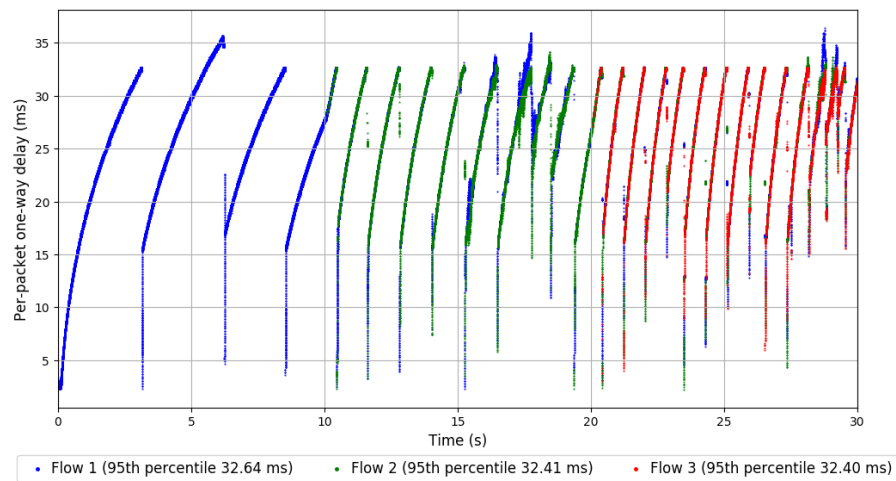
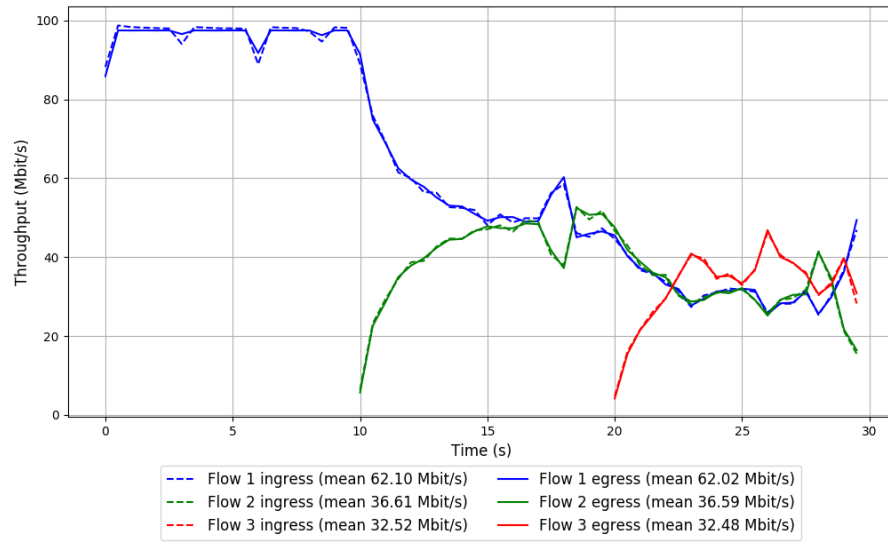


Run 10: Statistics of LEDBAT

Start at: 2018-03-06 18:16:14
End at: 2018-03-06 18:16:44
Local clock offset: -5.007 ms
Remote clock offset: 15.778 ms

Below is generated by plot.py at 2018-03-06 19:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.463 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 32.640 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 32.412 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 32.402 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

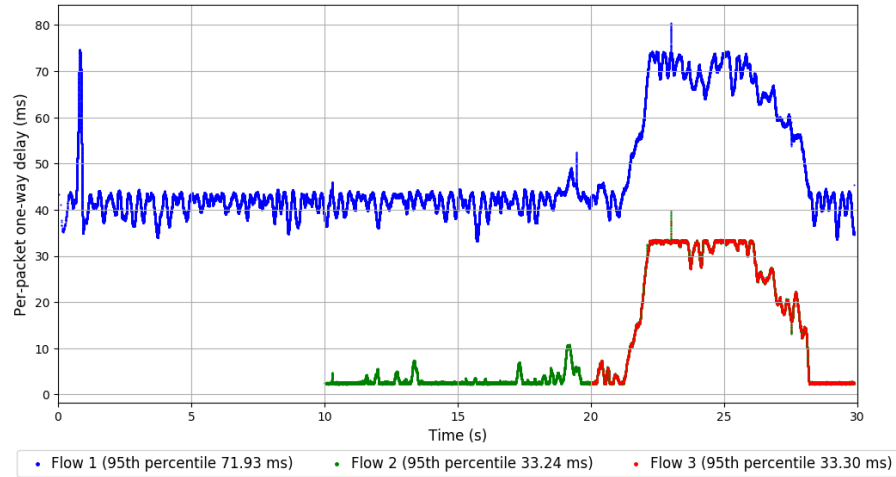
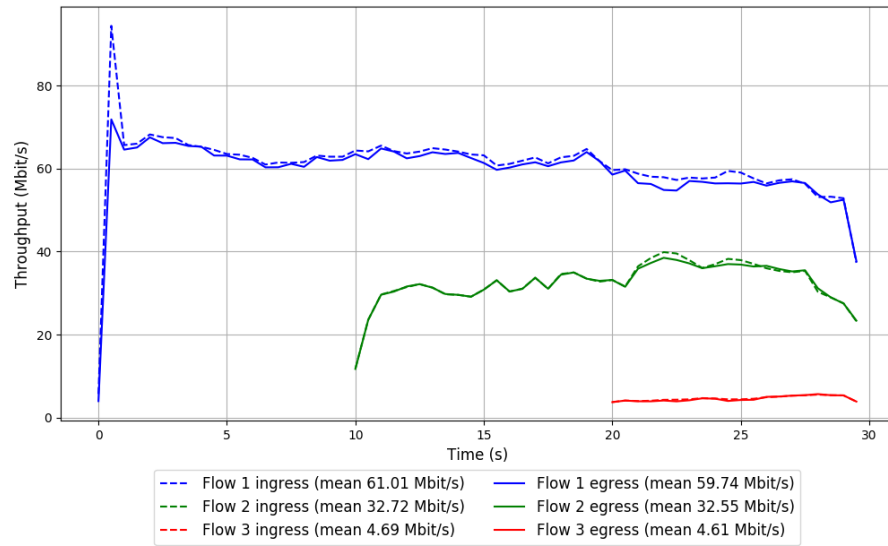


Run 1: Statistics of PCC

Start at: 2018-03-06 15:14:53
End at: 2018-03-06 15:15:23
Local clock offset: -3.642 ms
Remote clock offset: -6.263 ms

Below is generated by plot.py at 2018-03-06 19:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 70.741 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 71.931 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 33.243 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 33.304 ms
Loss rate: 1.74%

Run 1: Report of PCC — Data Link

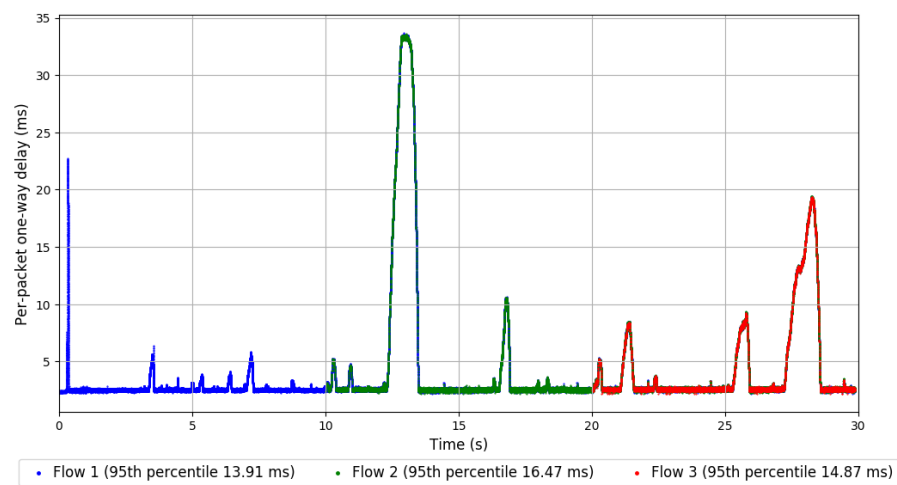
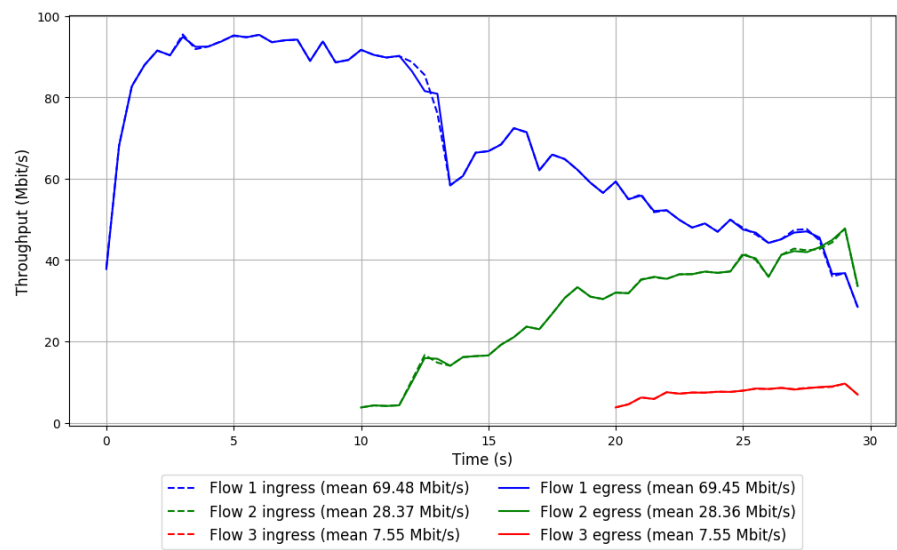


Run 2: Statistics of PCC

Start at: 2018-03-06 15:35:24
End at: 2018-03-06 15:35:54
Local clock offset: -3.889 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2018-03-06 19:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 14.886 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 13.907 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 16.471 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 14.871 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-06 15:55:56

End at: 2018-03-06 15:56:26

Local clock offset: -4.427 ms

Remote clock offset: -6.42 ms

Below is generated by plot.py at 2018-03-06 19:07:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 6.284 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 73.17 Mbit/s

95th percentile per-packet one-way delay: 6.307 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 6.309 ms

Loss rate: 0.02%

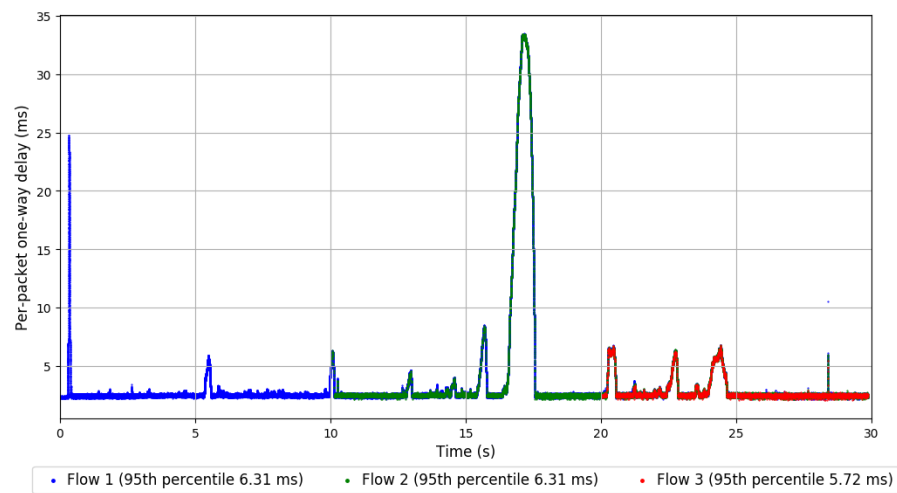
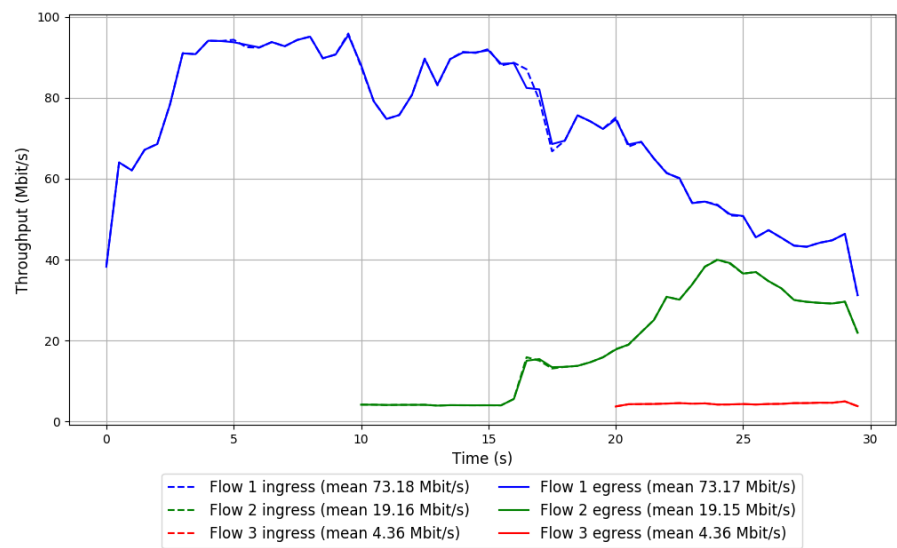
-- Flow 3:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 5.719 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link

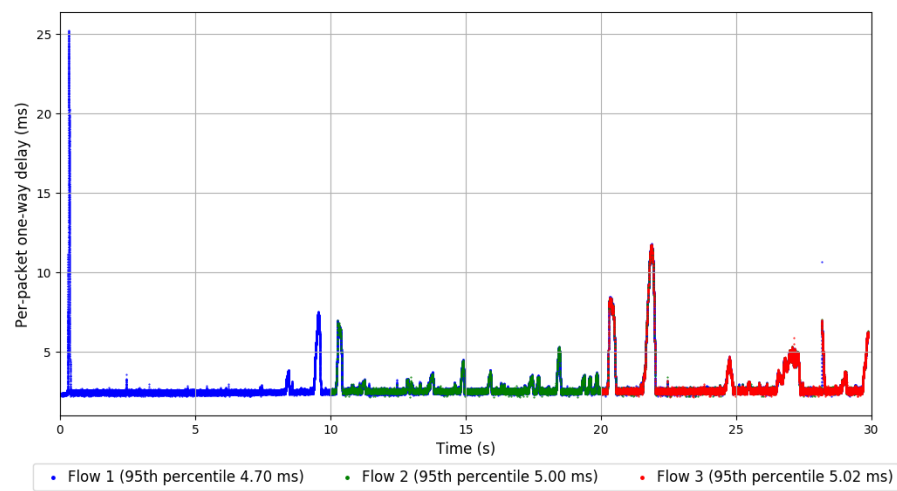
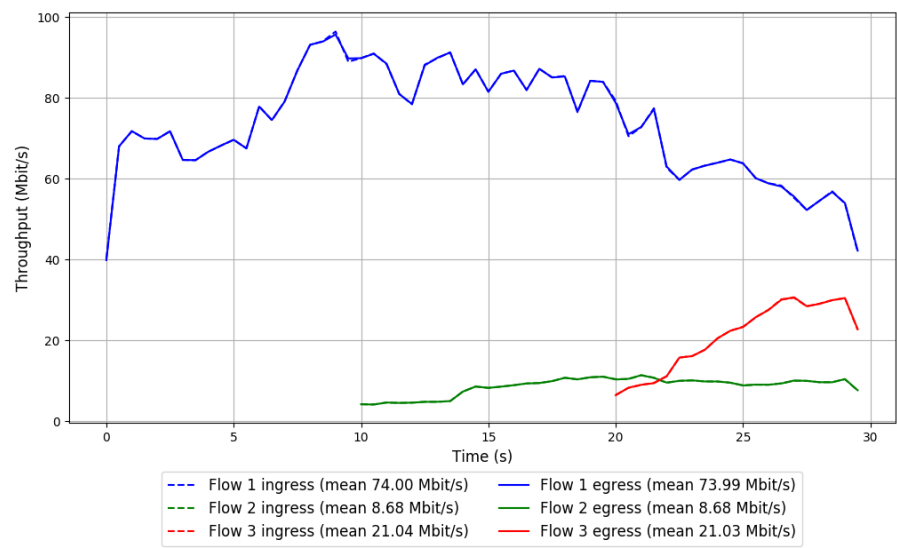


Run 4: Statistics of PCC

Start at: 2018-03-06 16:16:30
End at: 2018-03-06 16:17:00
Local clock offset: -5.377 ms
Remote clock offset: -6.693 ms

Below is generated by plot.py at 2018-03-06 19:07:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 4.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 4.695 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 5.017 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

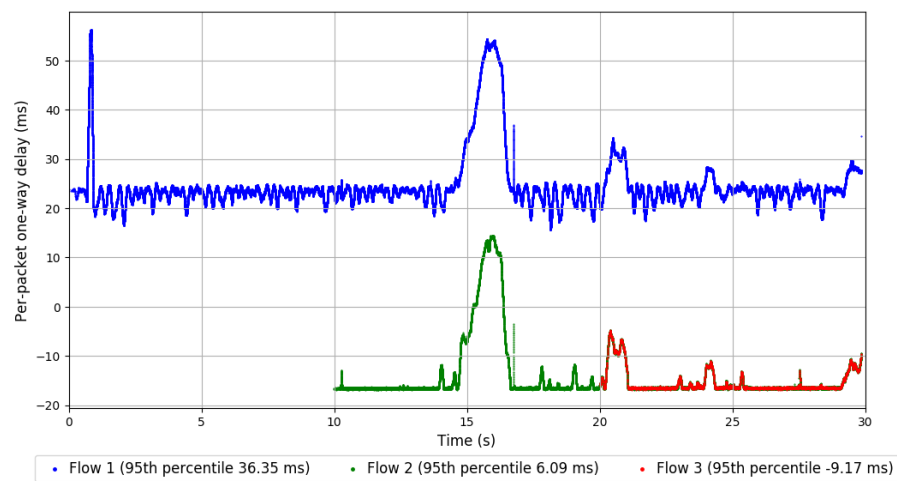
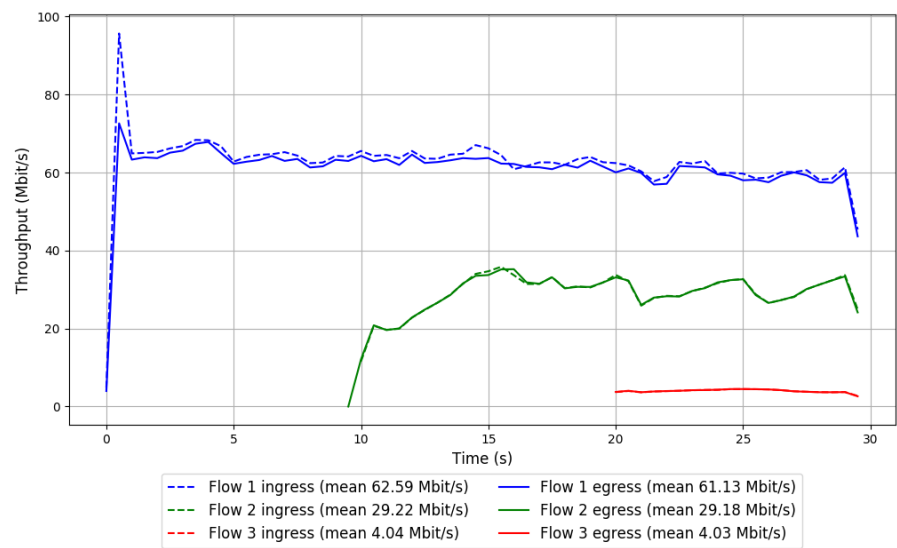


Run 5: Statistics of PCC

Start at: 2018-03-06 16:37:02
End at: 2018-03-06 16:37:32
Local clock offset: -2.491 ms
Remote clock offset: -26.188 ms

Below is generated by plot.py at 2018-03-06 19:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 36.355 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 6.089 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: -9.168 ms
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

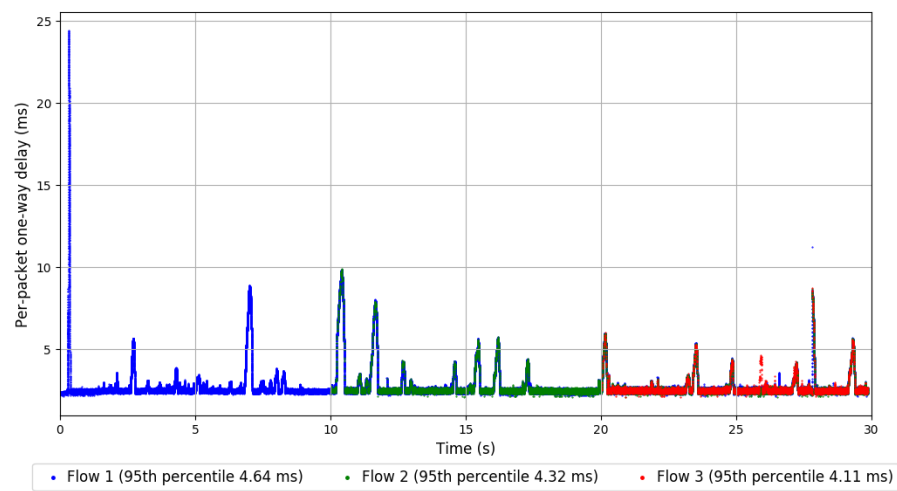
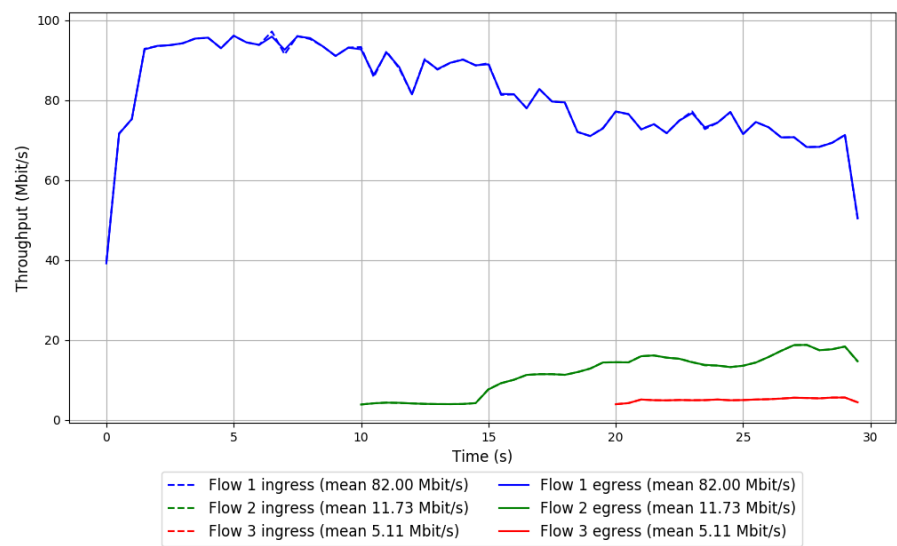


Run 6: Statistics of PCC

Start at: 2018-03-06 16:57:35
End at: 2018-03-06 16:58:05
Local clock offset: -0.795 ms
Remote clock offset: -2.714 ms

Below is generated by plot.py at 2018-03-06 19:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 4.105 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-06 17:18:07

End at: 2018-03-06 17:18:37

Local clock offset: -4.095 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-03-06 19:07:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.83 Mbit/s

95th percentile per-packet one-way delay: 6.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 5.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 8.335 ms

Loss rate: 0.00%

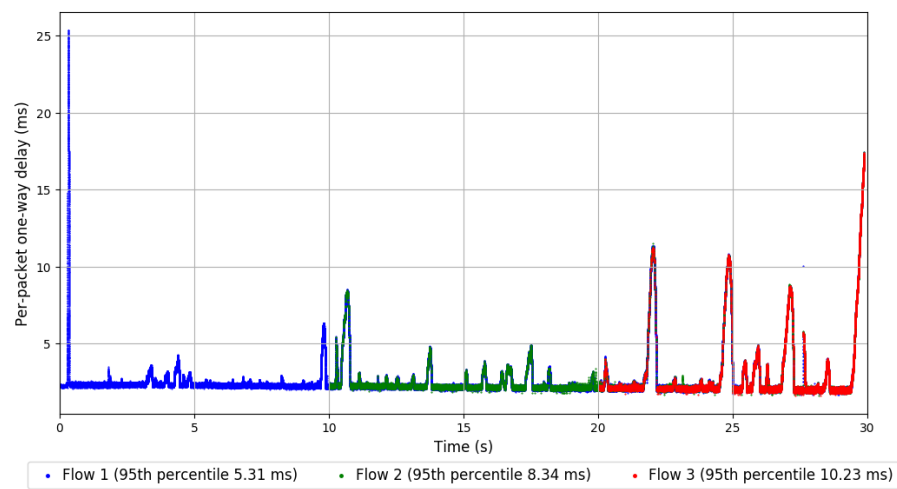
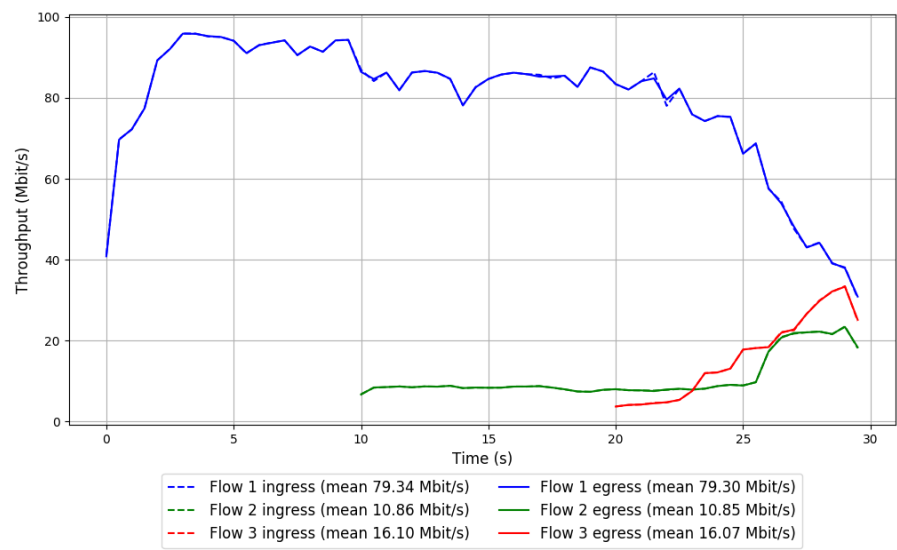
-- Flow 3:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 10.227 ms

Loss rate: 0.01%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-06 17:38:41

End at: 2018-03-06 17:39:11

Local clock offset: -5.061 ms

Remote clock offset: 9.186 ms

Below is generated by plot.py at 2018-03-06 19:07:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 33.014 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 32.988 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 33.084 ms

Loss rate: 1.32%

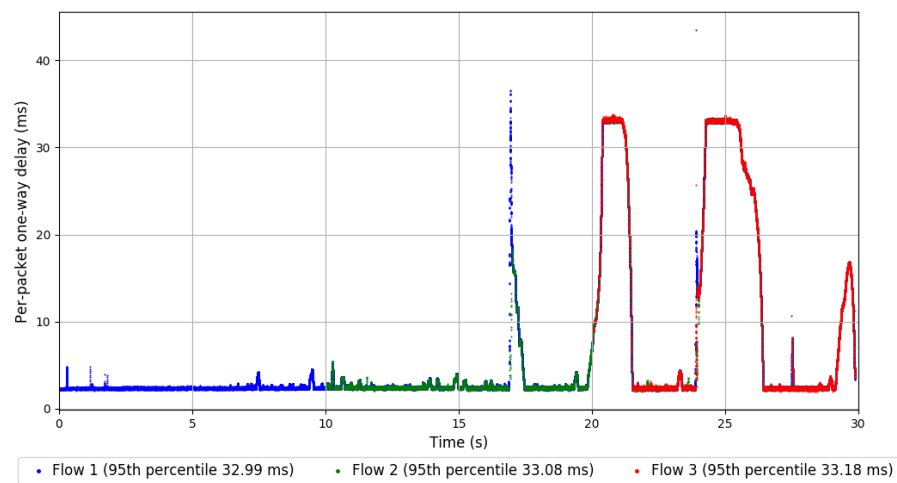
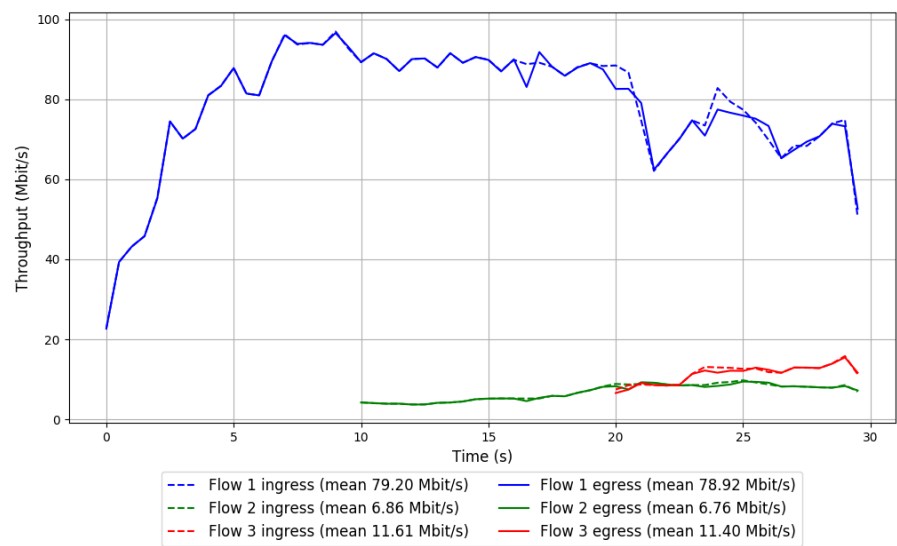
-- Flow 3:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 33.177 ms

Loss rate: 1.82%

Run 8: Report of PCC — Data Link

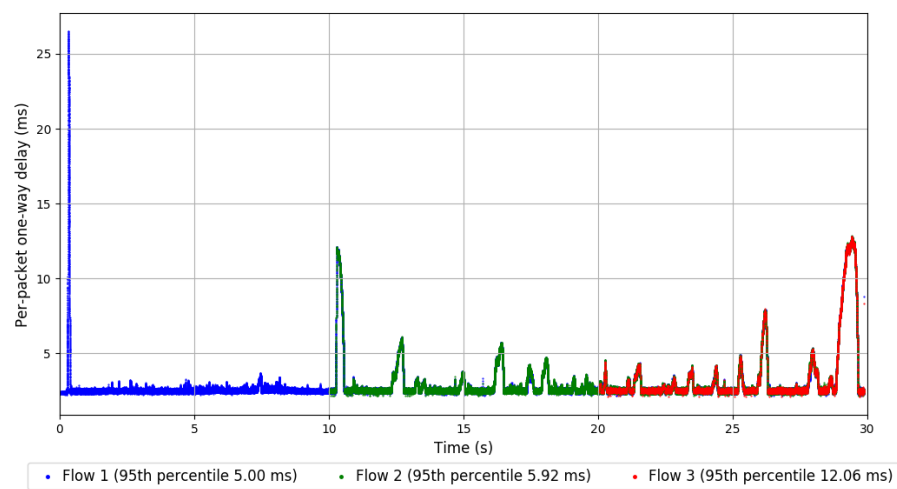
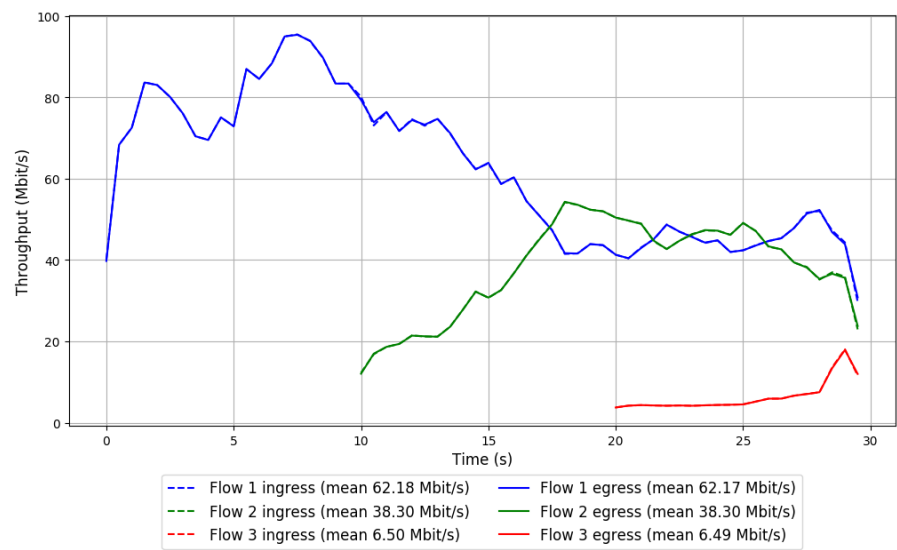


Run 9: Statistics of PCC

Start at: 2018-03-06 17:59:12
End at: 2018-03-06 17:59:42
Local clock offset: -5.942 ms
Remote clock offset: 13.009 ms

Below is generated by plot.py at 2018-03-06 19:07:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 5.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 5.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 5.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 12.058 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-06 18:19:45

End at: 2018-03-06 18:20:15

Local clock offset: -4.84 ms

Remote clock offset: 16.32 ms

Below is generated by plot.py at 2018-03-06 19:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 4.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.25 Mbit/s

95th percentile per-packet one-way delay: 4.142 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 5.224 ms

Loss rate: 0.00%

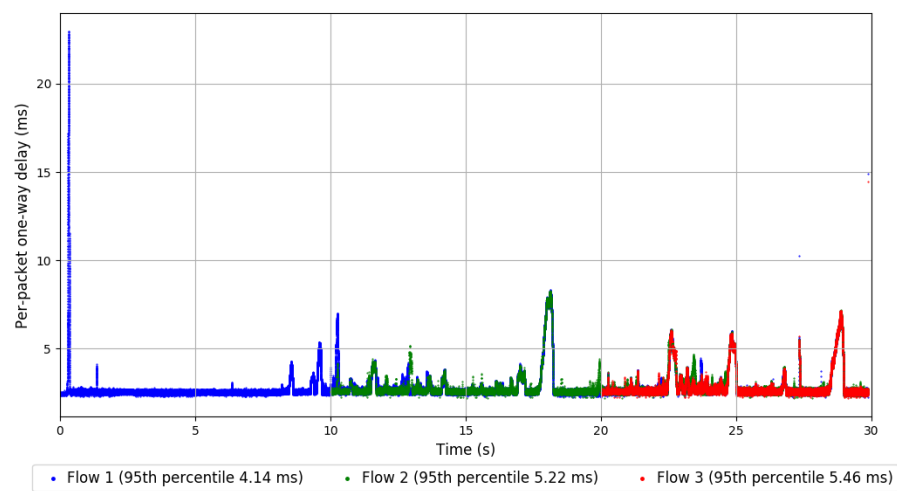
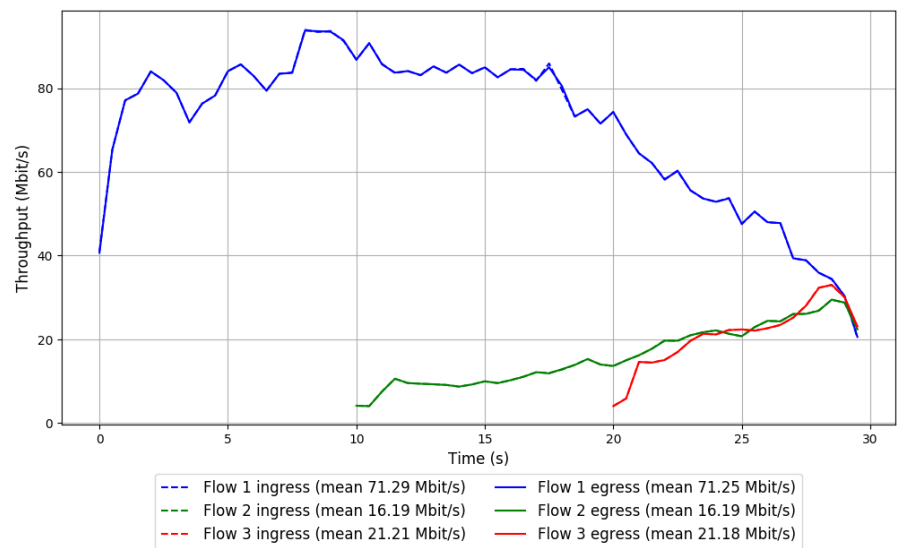
-- Flow 3:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 5.456 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link

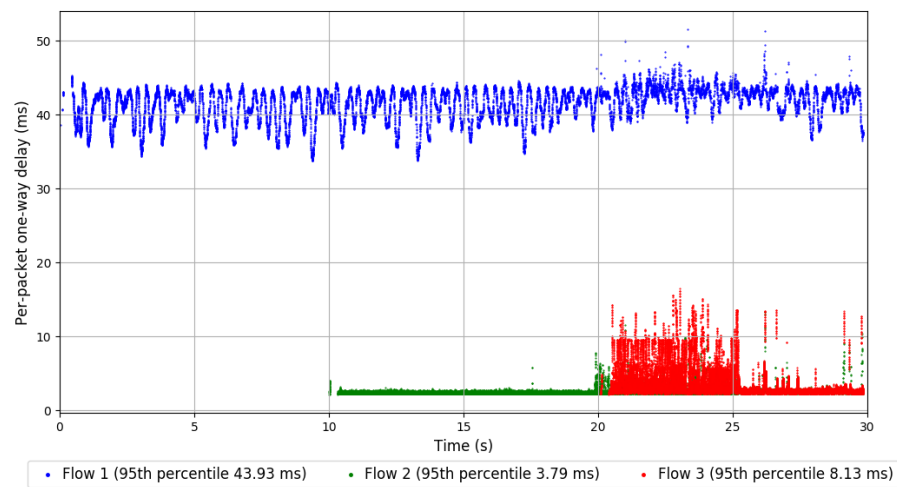
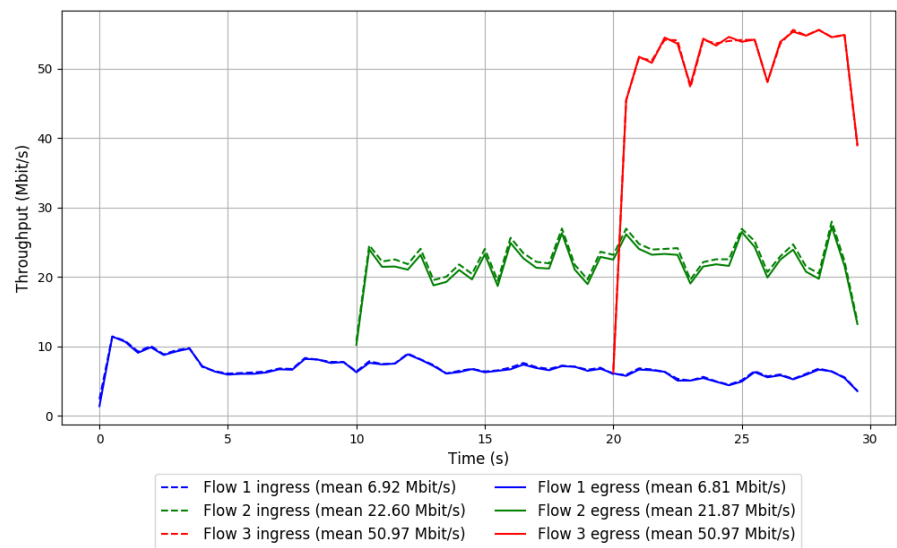


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 15:26:10
End at: 2018-03-06 15:26:40
Local clock offset: -3.775 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-03-06 19:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 43.006 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 43.930 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 3.795 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

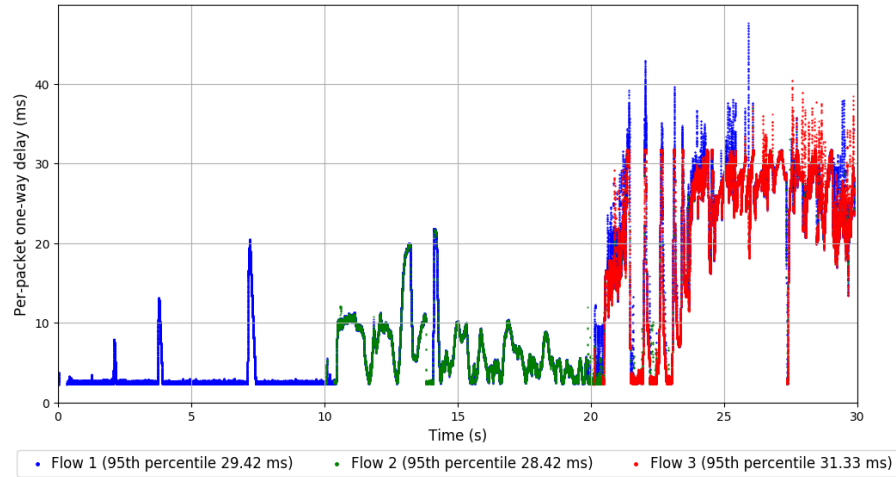
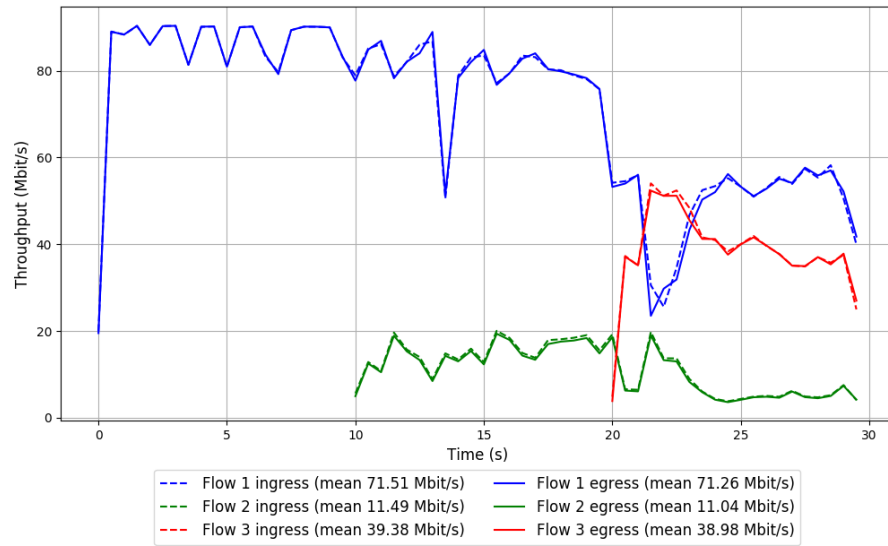


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 15:46:41
End at: 2018-03-06 15:47:11
Local clock offset: -3.887 ms
Remote clock offset: -6.377 ms

Below is generated by plot.py at 2018-03-06 19:08:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 29.997 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 29.422 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 28.424 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.79%

Run 2: Report of QUIC Cubic — Data Link

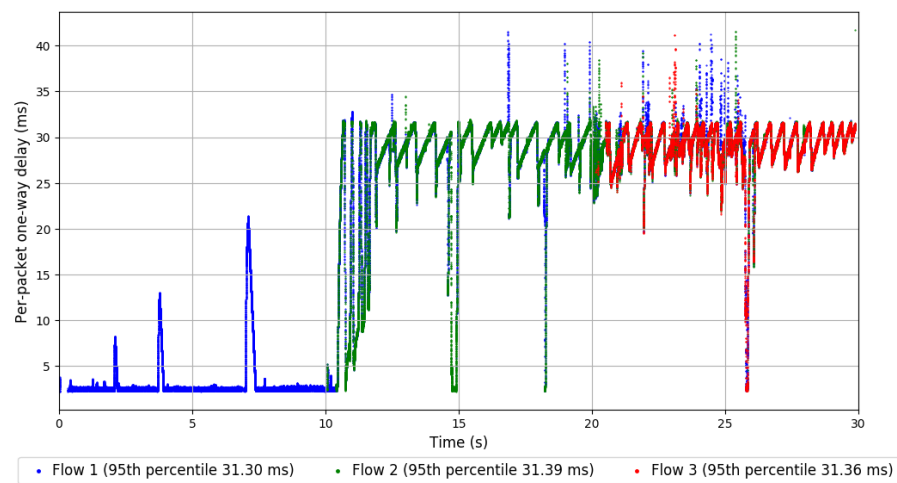
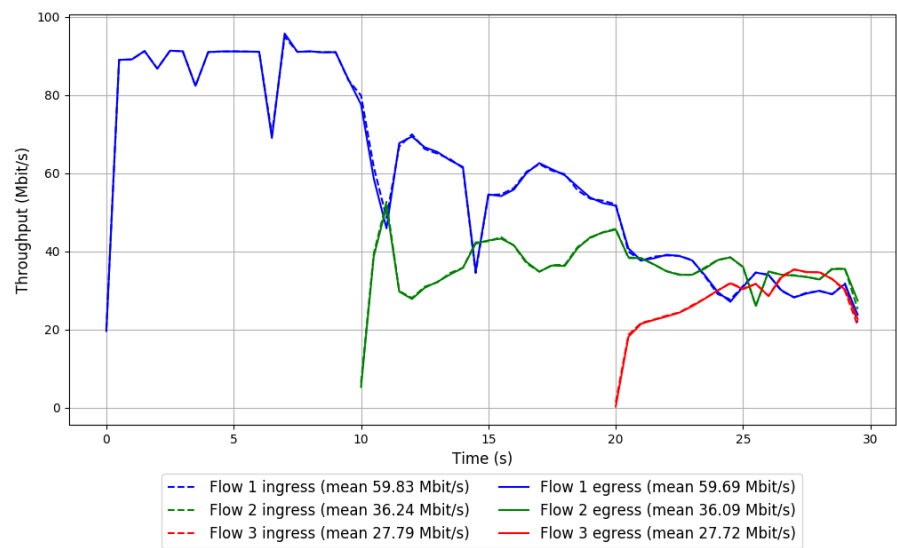


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 16:07:12
End at: 2018-03-06 16:07:42
Local clock offset: -5.169 ms
Remote clock offset: -6.518 ms

Below is generated by plot.py at 2018-03-06 19:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 31.339 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 31.391 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 31.365 ms
Loss rate: 0.20%

Run 3: Report of QUIC Cubic — Data Link

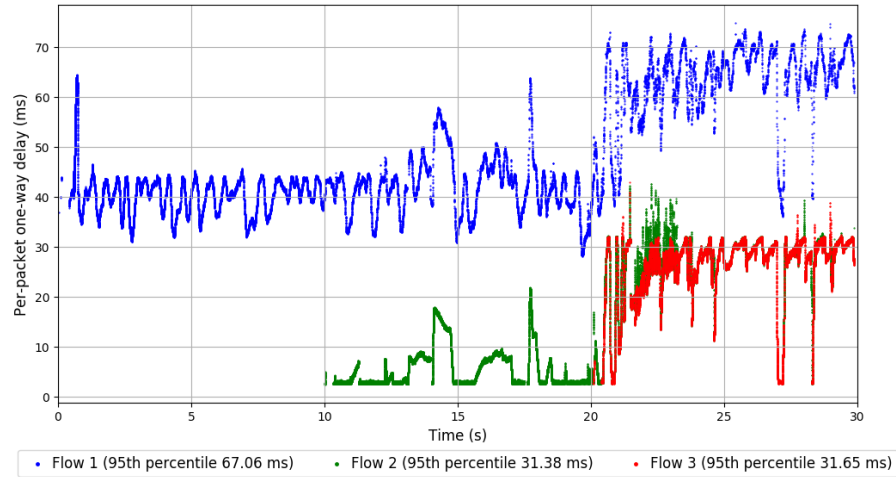
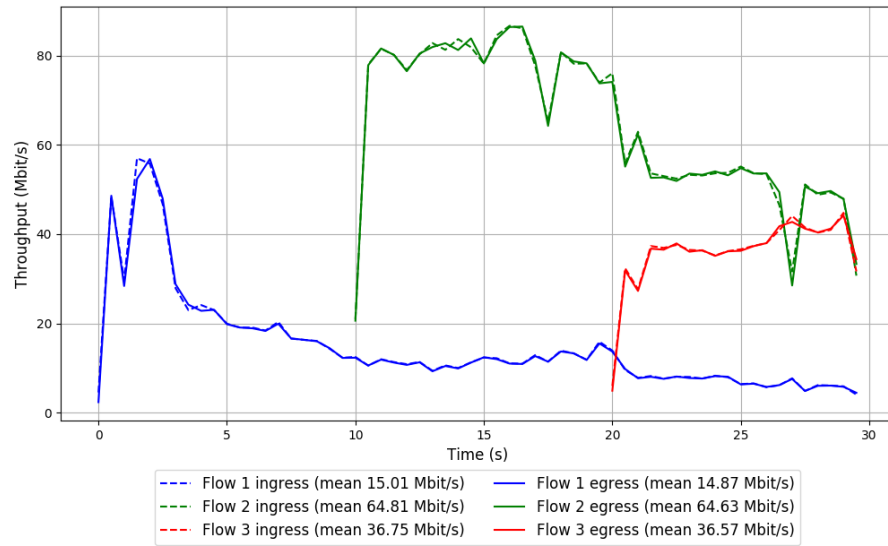


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 16:27:45
End at: 2018-03-06 16:28:15
Local clock offset: -4.873 ms
Remote clock offset: -6.895 ms

Below is generated by plot.py at 2018-03-06 19:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 44.888 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 64.63 Mbit/s
95th percentile per-packet one-way delay: 31.381 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 31.648 ms
Loss rate: 0.24%

Run 4: Report of QUIC Cubic — Data Link

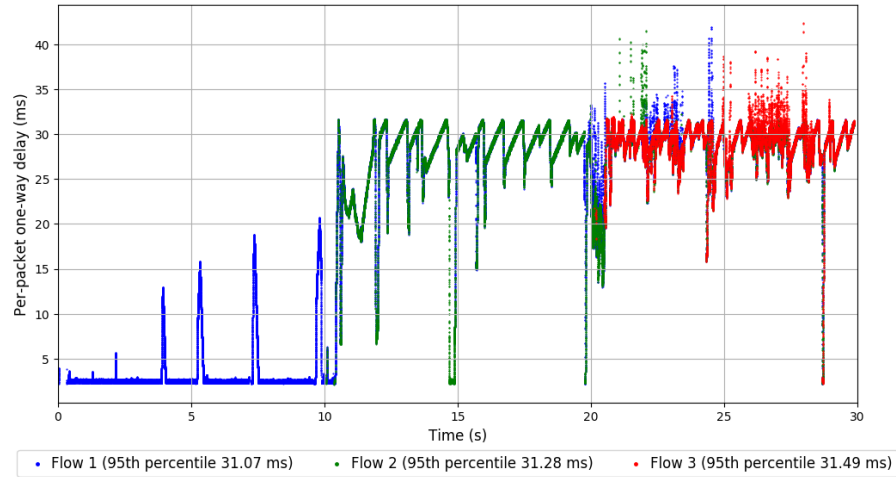
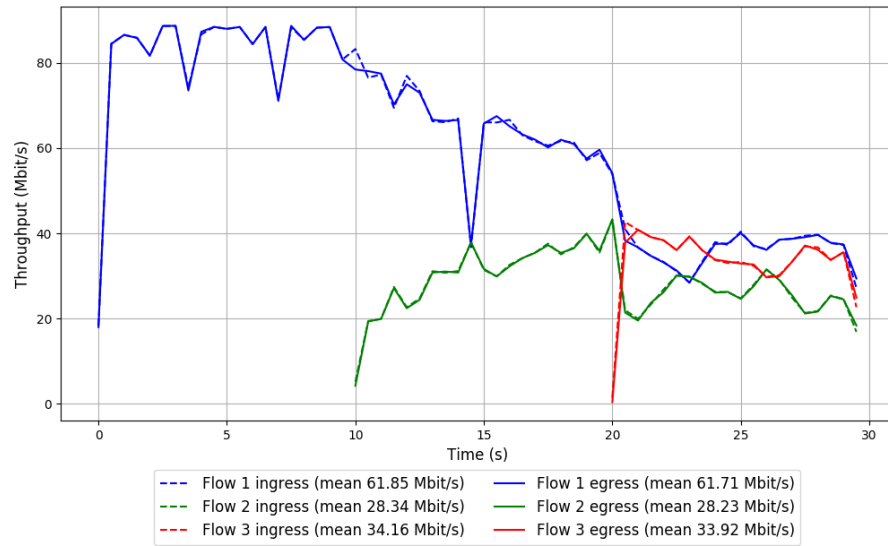


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 16:48:19
End at: 2018-03-06 16:48:49
Local clock offset: -1.283 ms
Remote clock offset: -4.772 ms

Below is generated by plot.py at 2018-03-06 19:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 31.212 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 31.075 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 31.277 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 31.491 ms
Loss rate: 0.62%

Run 5: Report of QUIC Cubic — Data Link

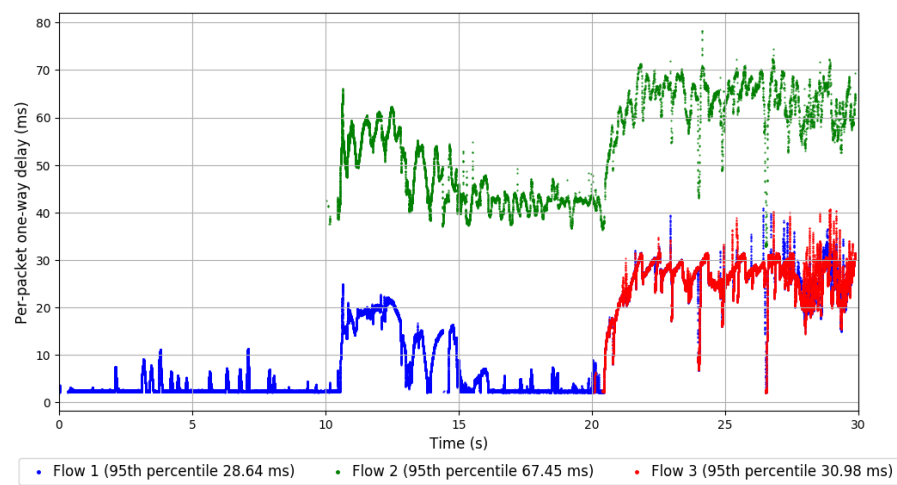
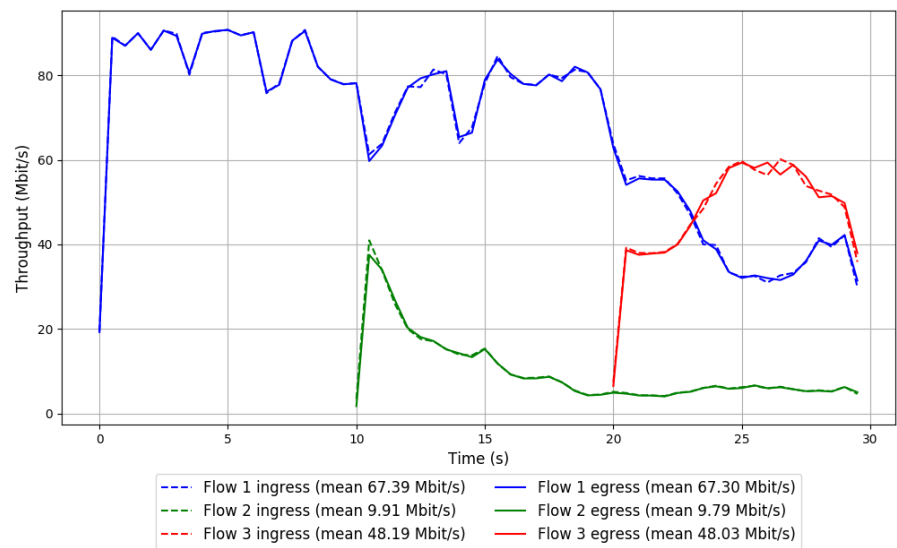


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 17:08:51
End at: 2018-03-06 17:09:21
Local clock offset: -2.959 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-03-06 19:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 46.637 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 28.640 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 67.453 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 30.984 ms
Loss rate: 0.04%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 17:29:24

End at: 2018-03-06 17:29:54

Local clock offset: -4.685 ms

Remote clock offset: 6.571 ms

Below is generated by plot.py at 2018-03-06 19:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 31.193 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 31.093 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 31.264 ms

Loss rate: 0.23%

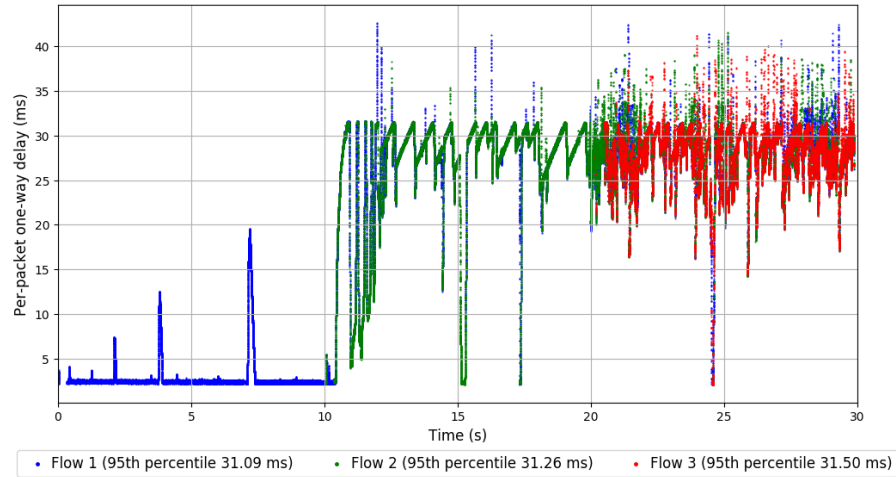
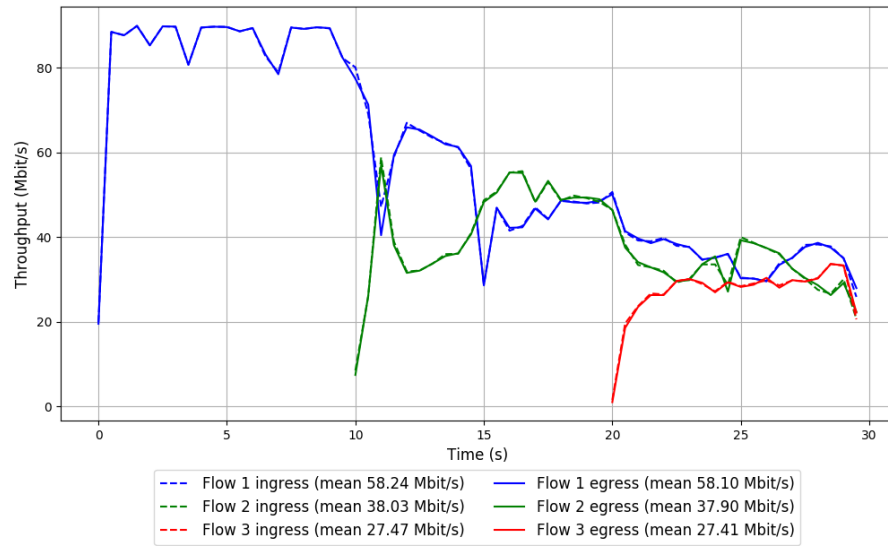
-- Flow 3:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 31.505 ms

Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link

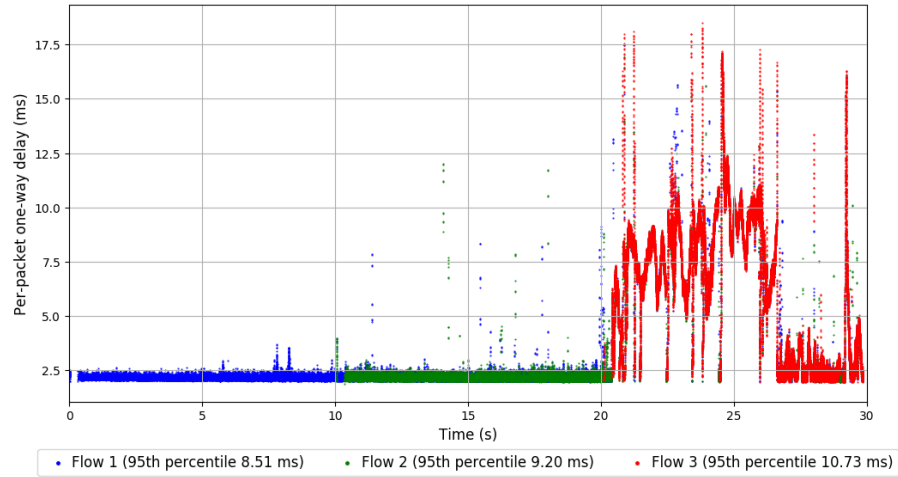
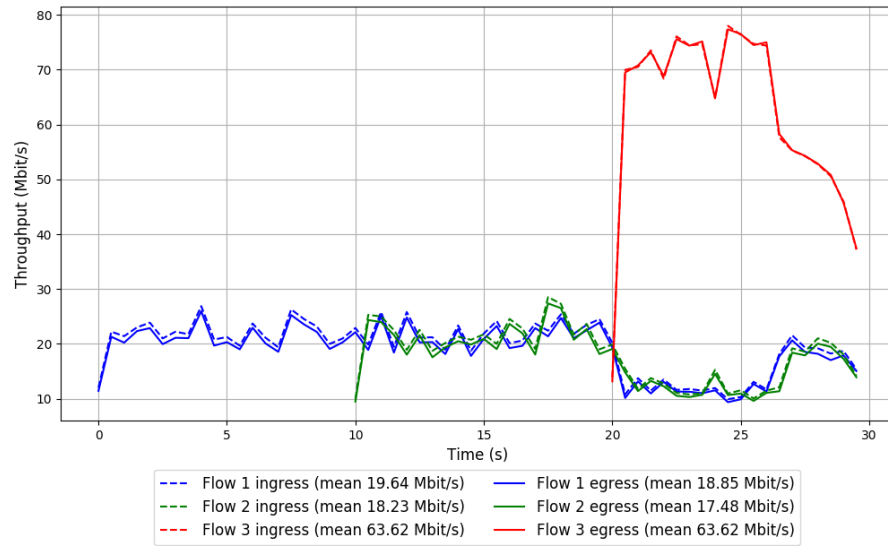


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 17:49:58
End at: 2018-03-06 17:50:28
Local clock offset: -5.531 ms
Remote clock offset: 11.245 ms

Below is generated by plot.py at 2018-03-06 19:09:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 10.037 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 8.509 ms
Loss rate: 4.05%
-- Flow 2:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 9.202 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 63.62 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

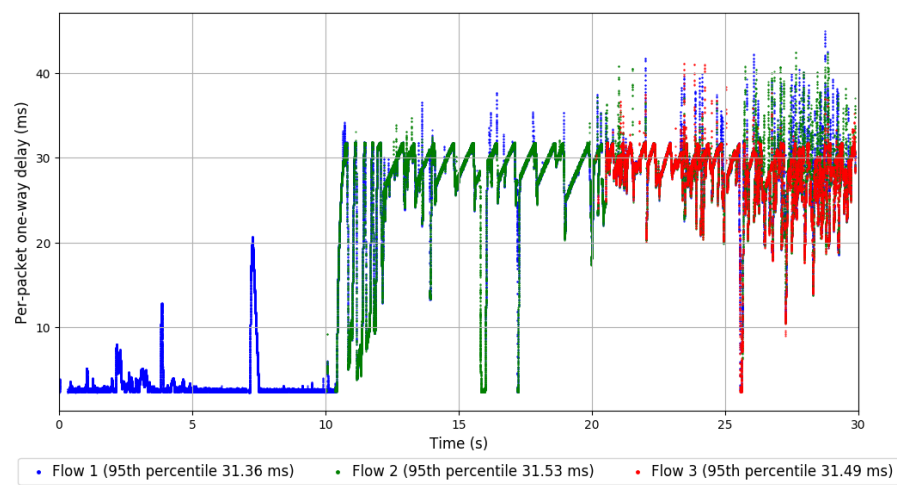
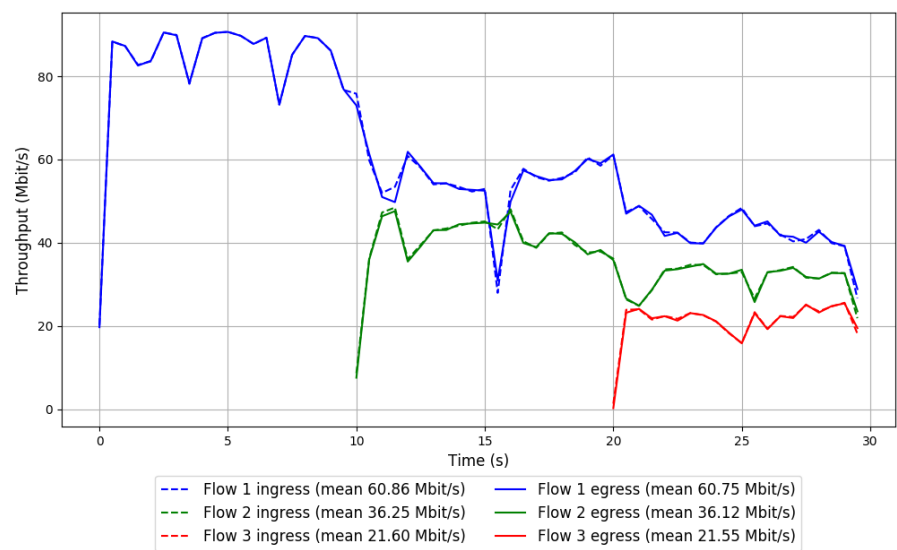


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 18:10:28
End at: 2018-03-06 18:10:58
Local clock offset: -5.79 ms
Remote clock offset: 14.863 ms

Below is generated by plot.py at 2018-03-06 19:09:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 31.444 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 31.363 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 31.531 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 31.486 ms
Loss rate: 0.27%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 18:31:01

End at: 2018-03-06 18:31:31

Local clock offset: -4.506 ms

Remote clock offset: 4.566 ms

Below is generated by plot.py at 2018-03-06 19:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 32.260 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 46.36 Mbit/s

95th percentile per-packet one-way delay: 31.857 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 32.254 ms

Loss rate: 0.06%

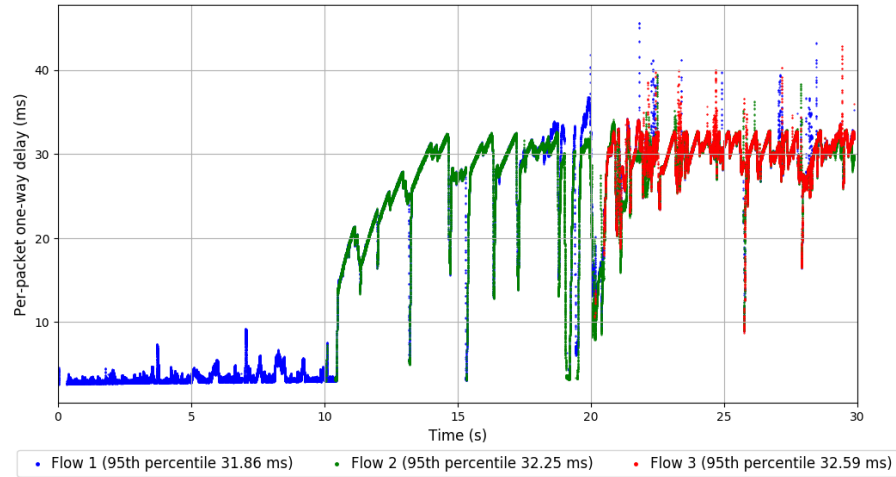
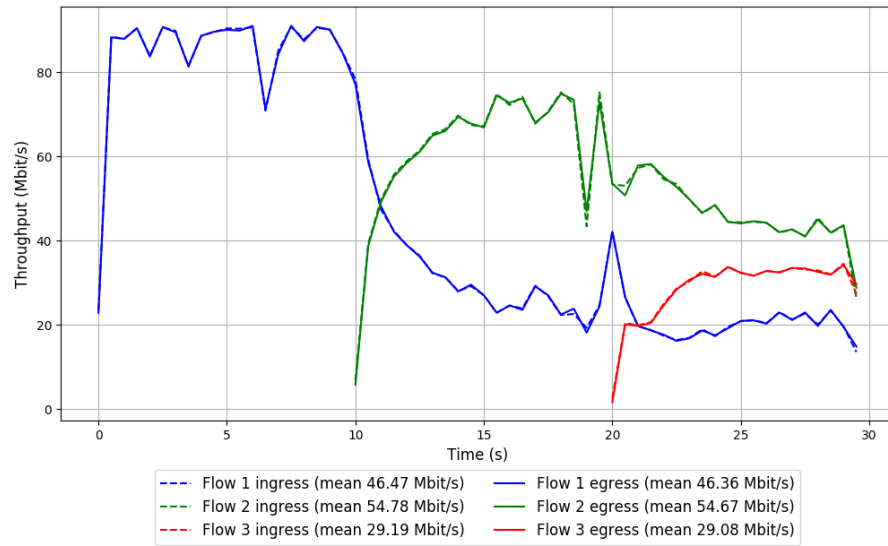
-- Flow 3:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 32.587 ms

Loss rate: 0.16%

Run 10: Report of QUIC Cubic — Data Link

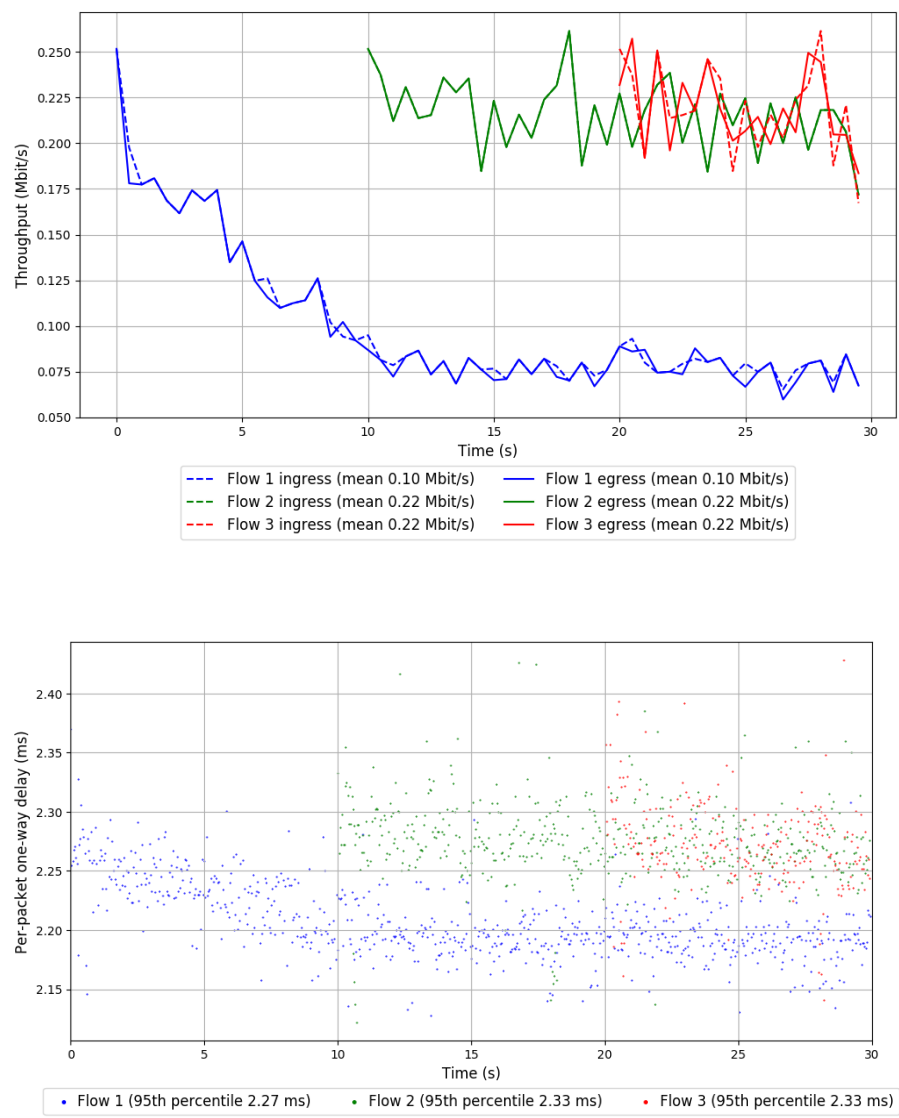


Run 1: Statistics of SReAM

Start at: 2018-03-06 15:20:37
End at: 2018-03-06 15:21:07
Local clock offset: -3.708 ms
Remote clock offset: -6.373 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

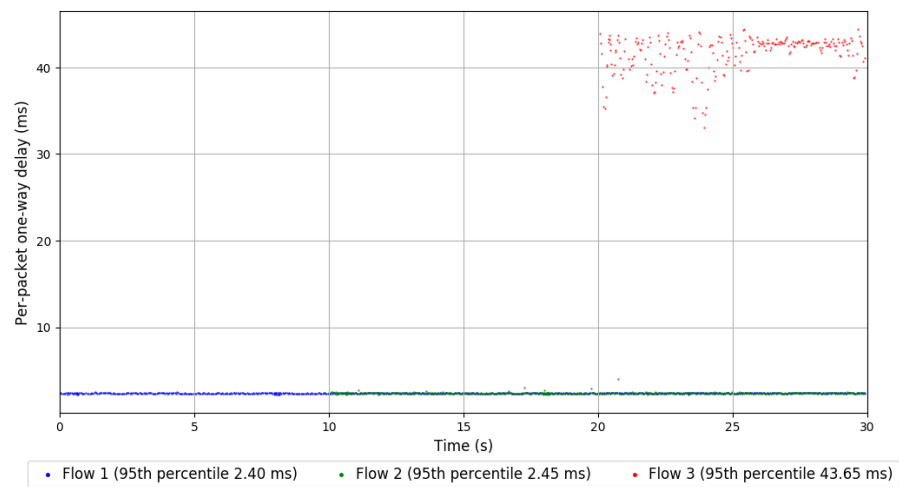
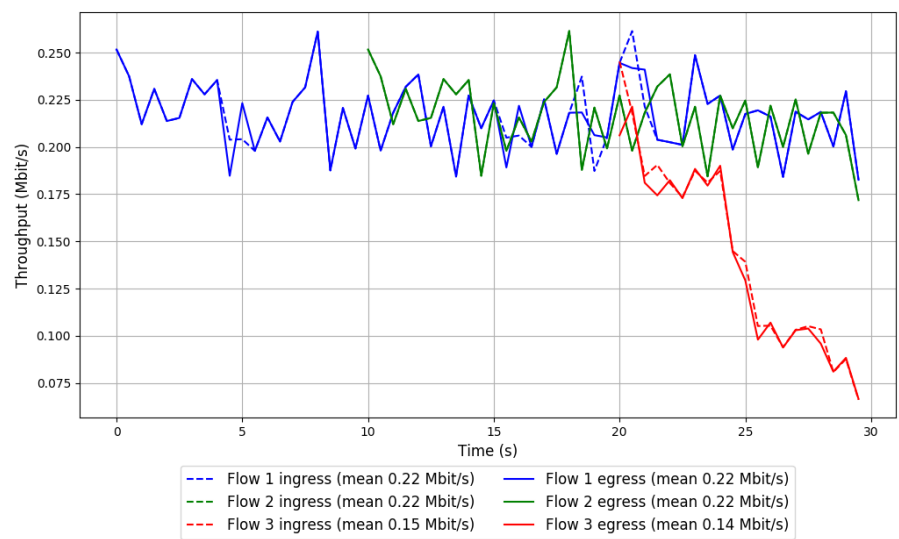


Run 2: Statistics of SReAM

Start at: 2018-03-06 15:41:09
End at: 2018-03-06 15:41:39
Local clock offset: -3.882 ms
Remote clock offset: -6.38 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 42.880 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 43.651 ms
Loss rate: 2.65%

Run 2: Report of SReAM — Data Link

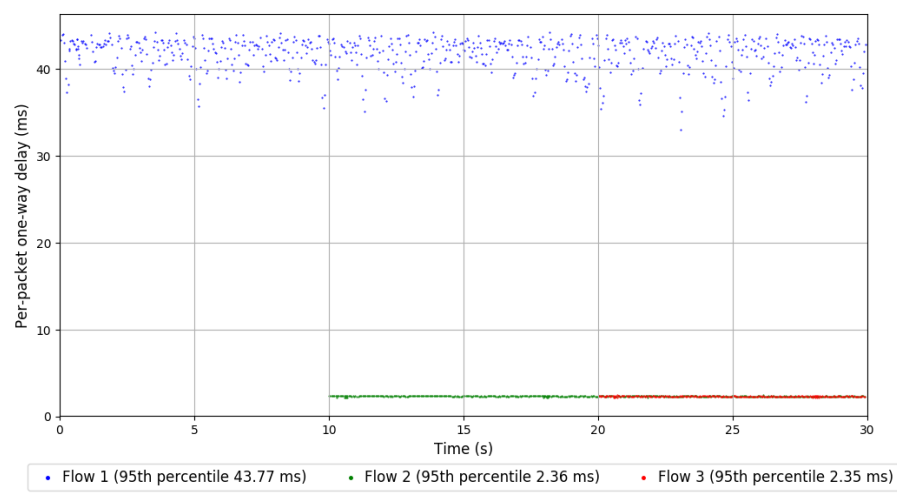
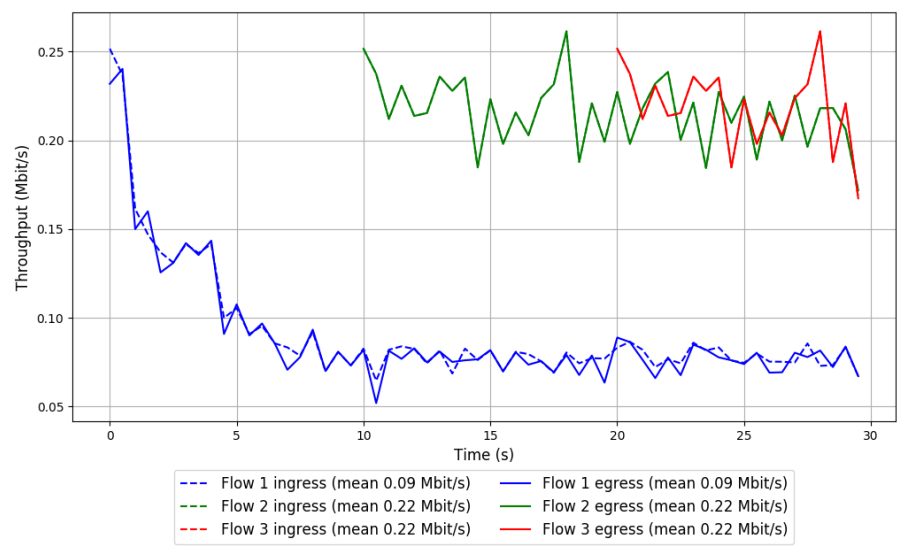


Run 3: Statistics of SReAM

Start at: 2018-03-06 16:01:39
End at: 2018-03-06 16:02:09
Local clock offset: -4.824 ms
Remote clock offset: -6.45 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 43.526 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 43.773 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

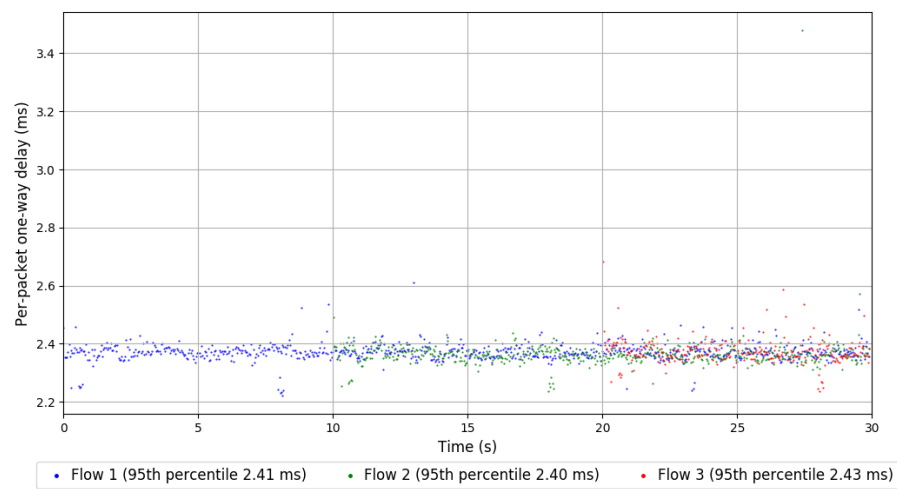
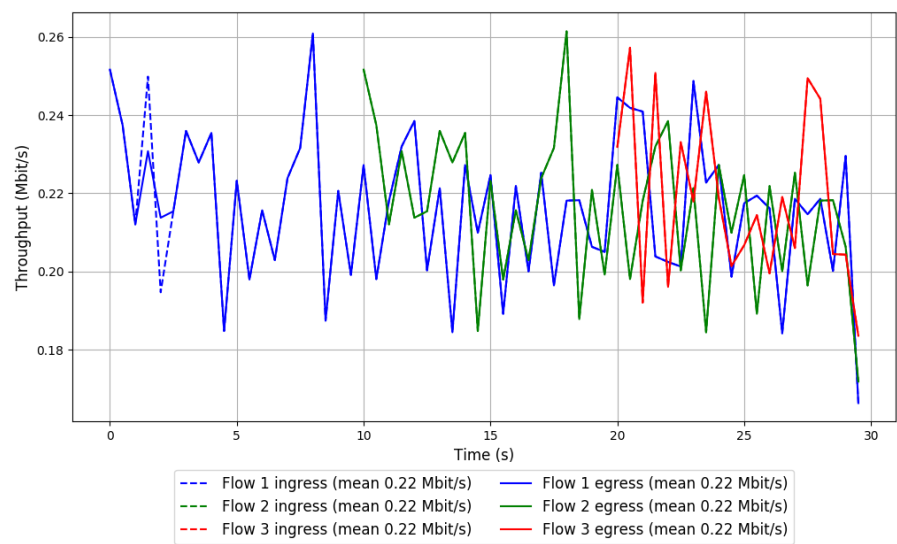


Run 4: Statistics of SReAM

Start at: 2018-03-06 16:22:12
End at: 2018-03-06 16:22:42
Local clock offset: -5.523 ms
Remote clock offset: -6.826 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

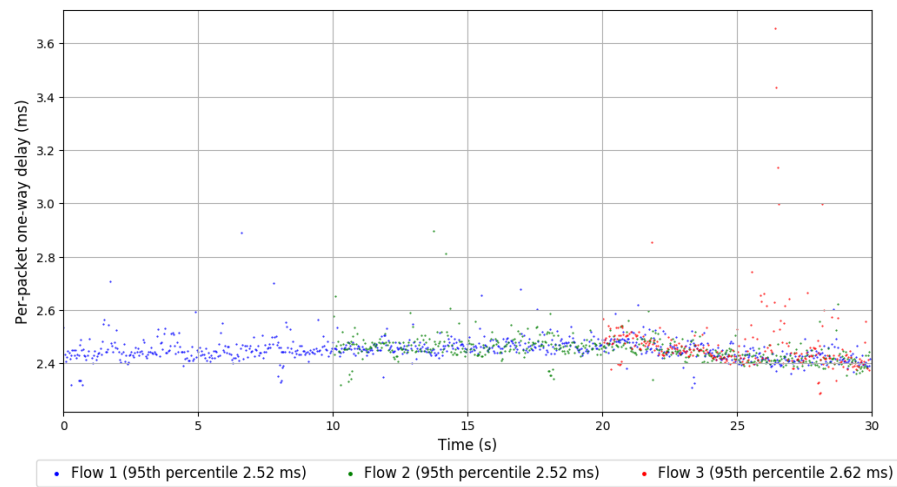
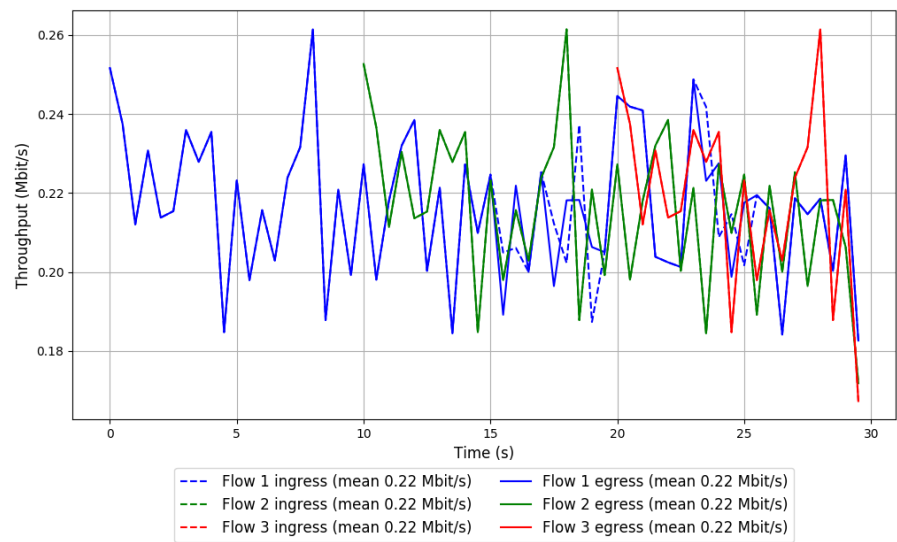


Run 5: Statistics of SReAM

Start at: 2018-03-06 16:42:46
End at: 2018-03-06 16:43:16
Local clock offset: -1.761 ms
Remote clock offset: -7.037 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.618 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

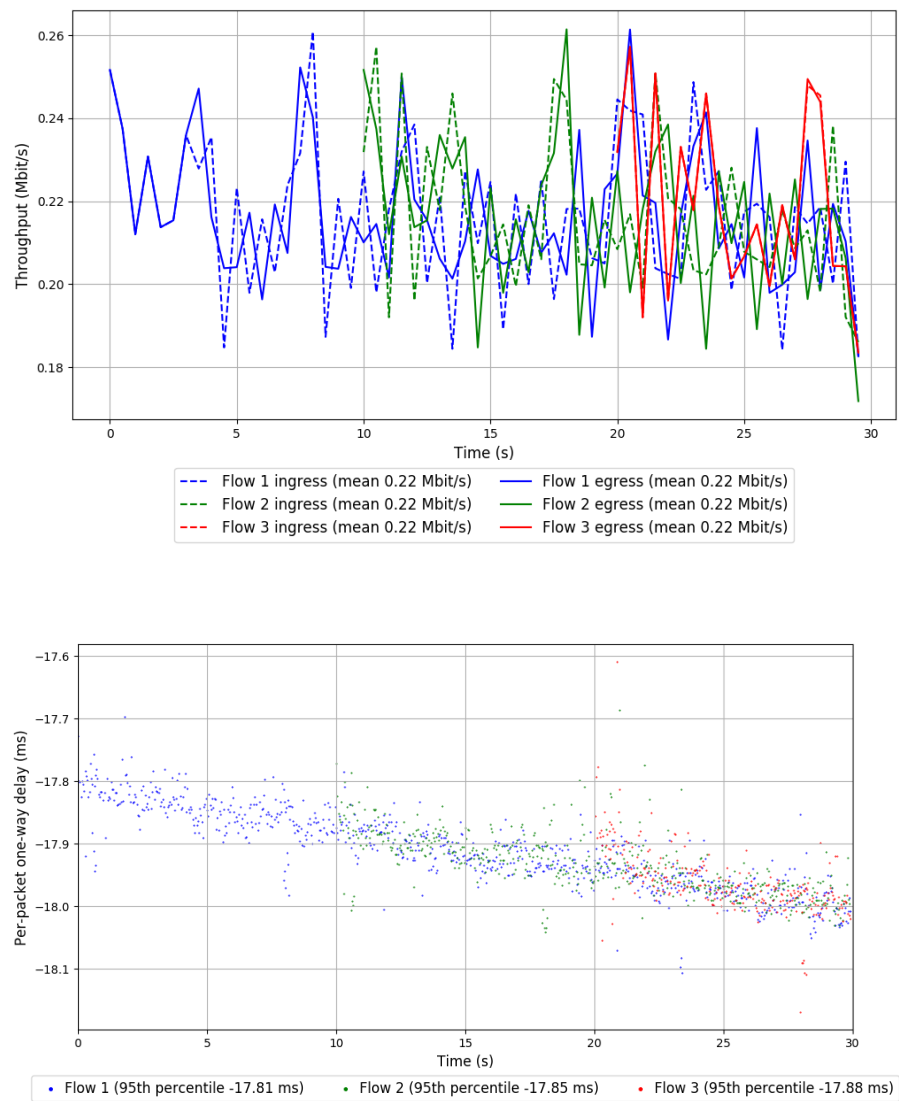


Run 6: Statistics of SReAM

Start at: 2018-03-06 17:03:19
End at: 2018-03-06 17:03:49
Local clock offset: -1.746 ms
Remote clock offset: -21.965 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -17.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.880 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-03-06 17:23:51

End at: 2018-03-06 17:24:21

Local clock offset: -4.4 ms

Remote clock offset: 4.002 ms

Below is generated by plot.py at 2018-03-06 19:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 2.153 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.183 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 2.065 ms

Loss rate: 1.81%

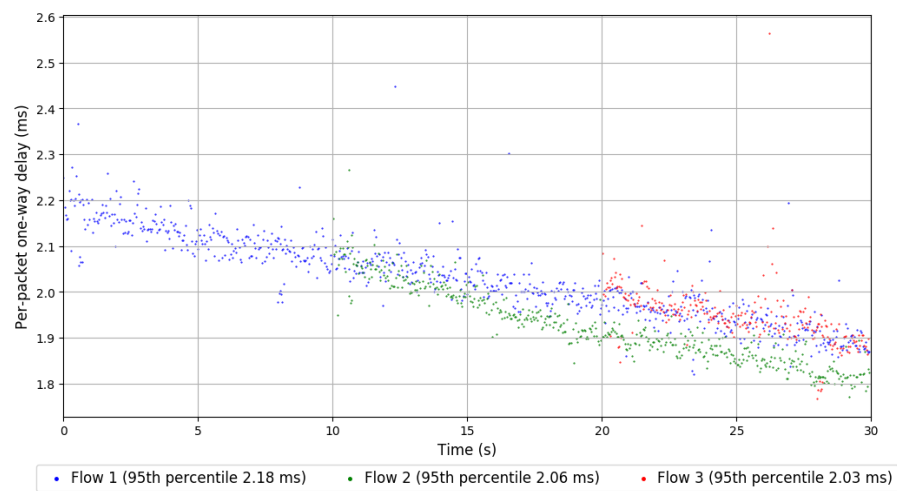
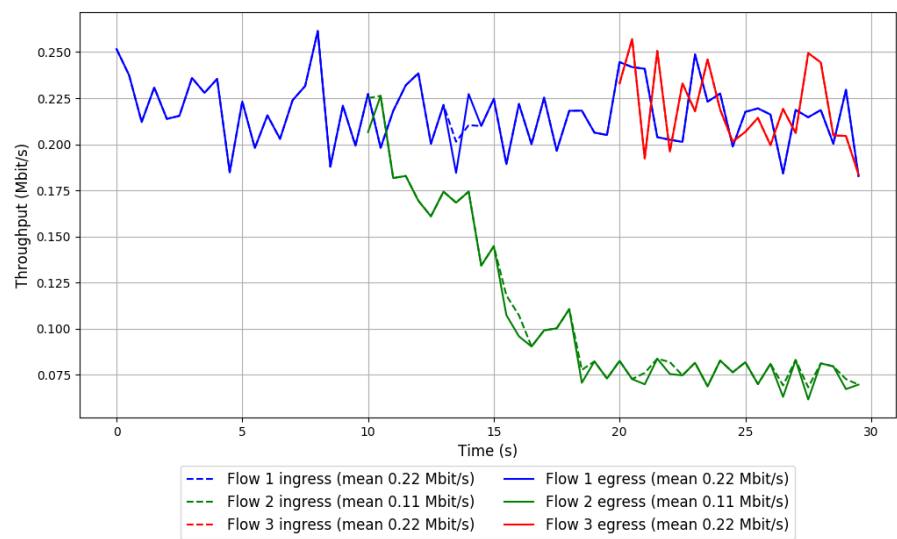
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.031 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

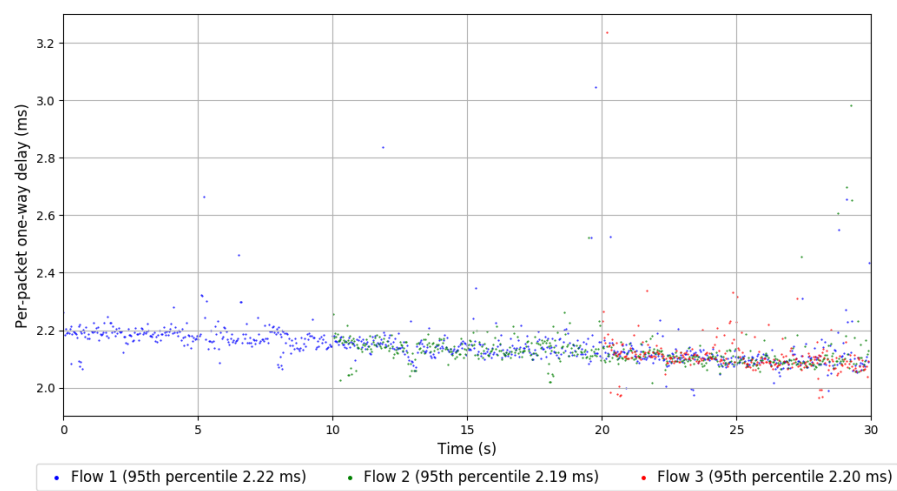
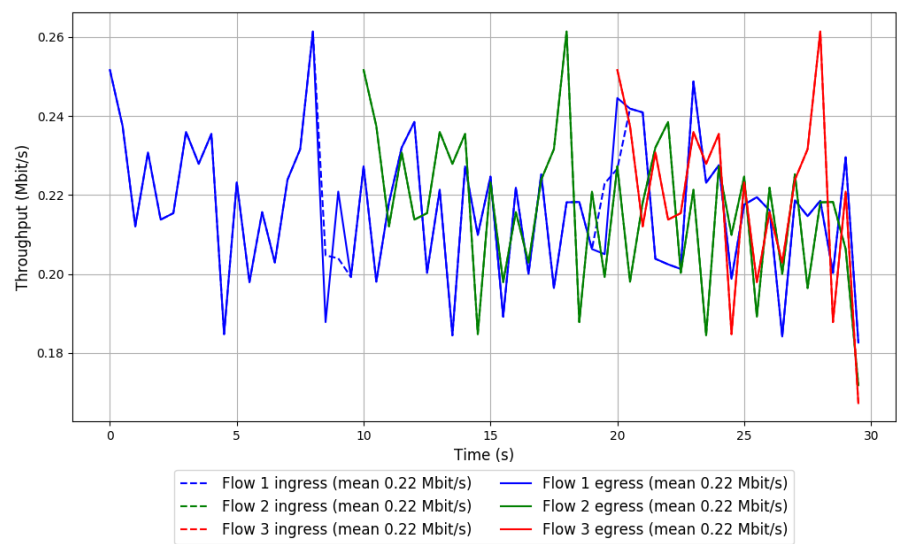


Run 8: Statistics of SReAM

Start at: 2018-03-06 17:44:24
End at: 2018-03-06 17:44:54
Local clock offset: -5.343 ms
Remote clock offset: 10.262 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-03-06 18:04:57

End at: 2018-03-06 18:05:27

Local clock offset: -6.065 ms

Remote clock offset: 13.99 ms

Below is generated by plot.py at 2018-03-06 19:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.439 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.705 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.00%

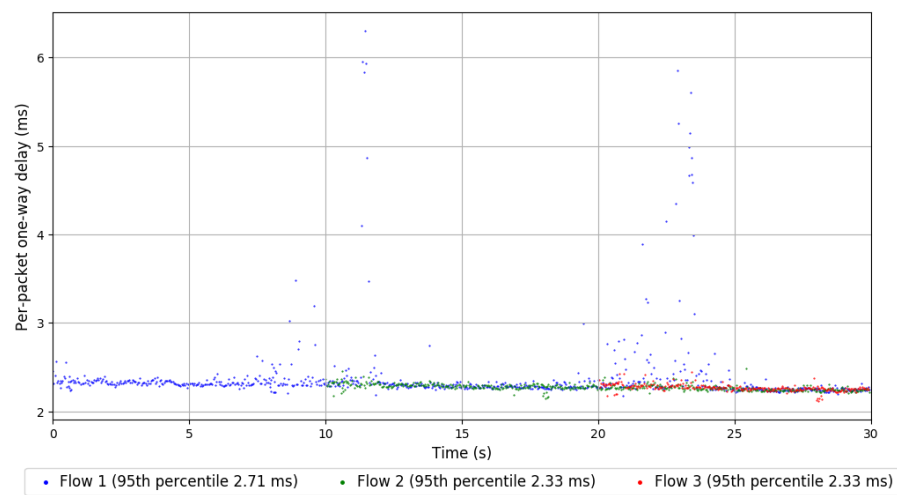
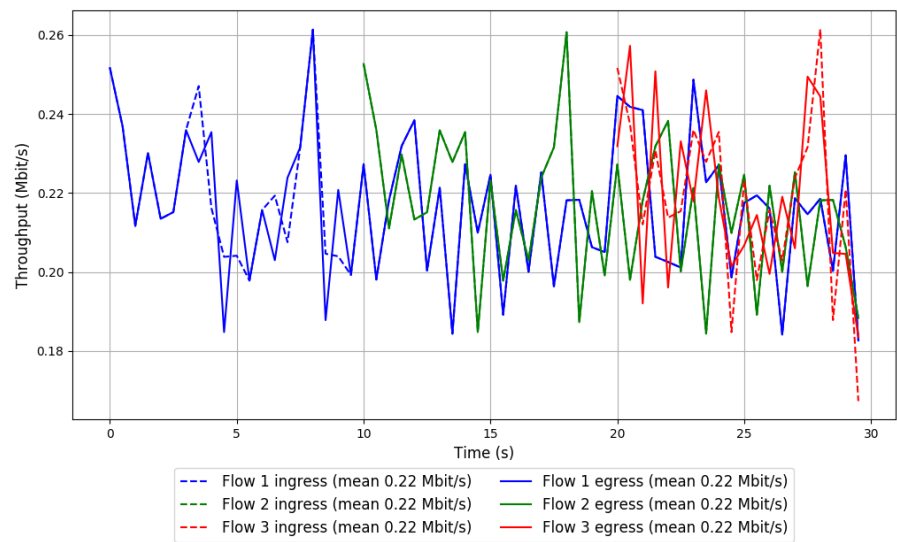
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.328 ms

Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link

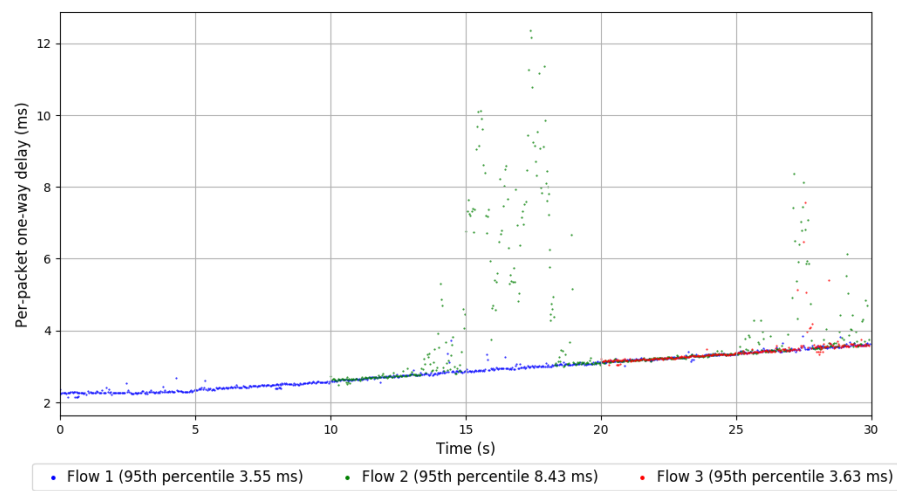
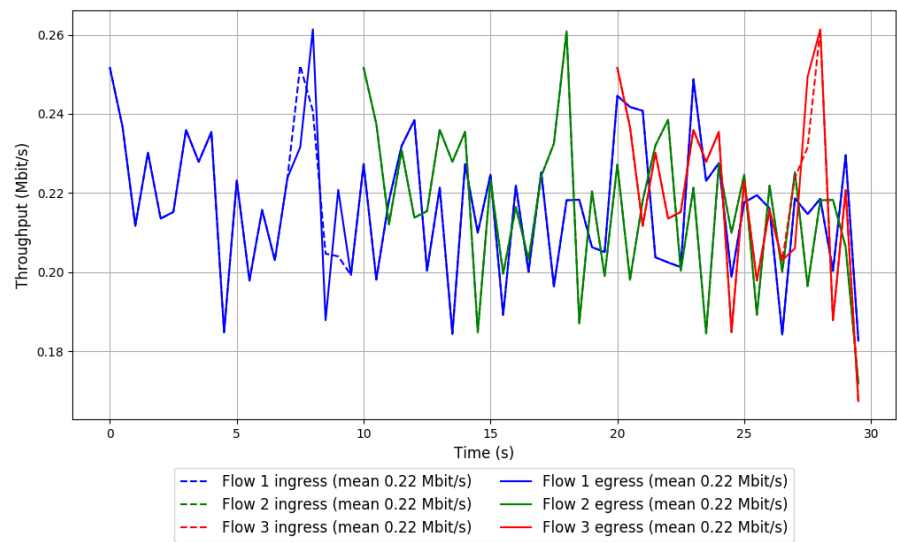


Run 10: Statistics of SReAM

Start at: 2018-03-06 18:25:28
End at: 2018-03-06 18:25:58
Local clock offset: -4.521 ms
Remote clock offset: 17.164 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 6.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.628 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

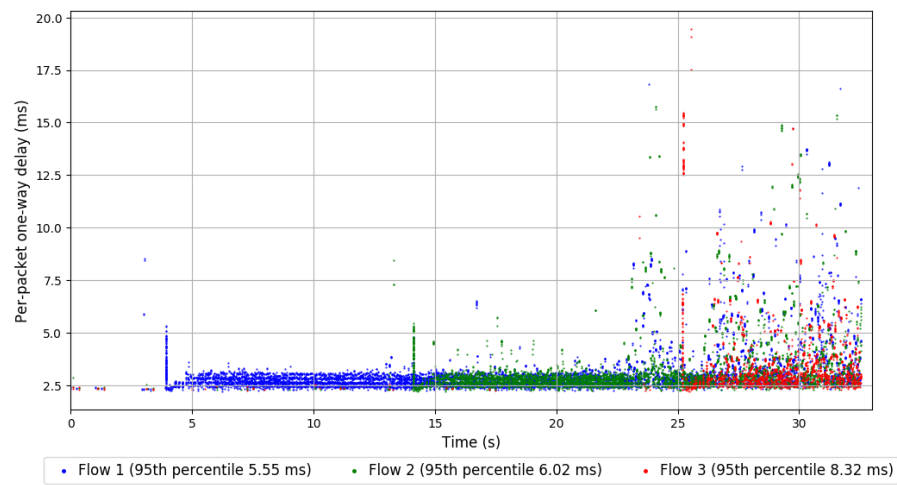
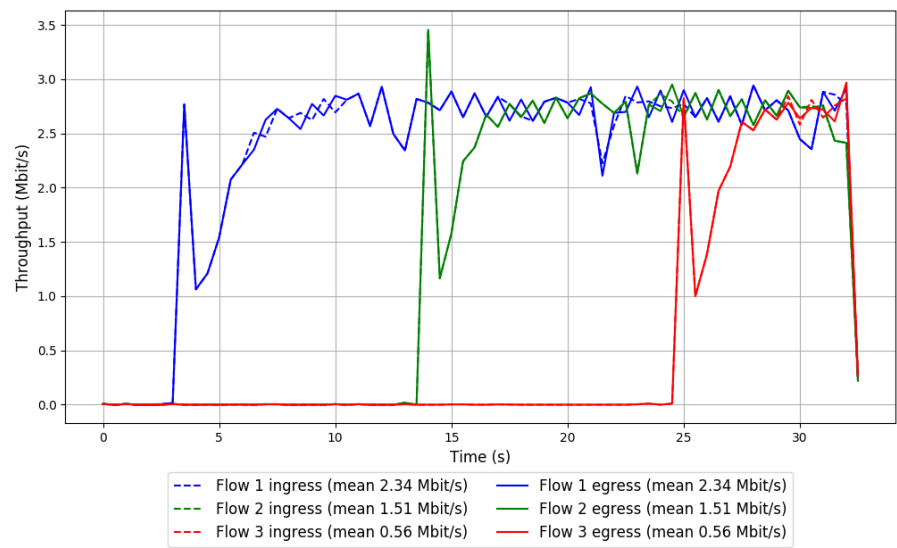


Run 1: Statistics of WebRTC media

Start at: 2018-03-06 15:21:41
End at: 2018-03-06 15:22:11
Local clock offset: -3.81 ms
Remote clock offset: -6.297 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 5.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 6.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 8.320 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

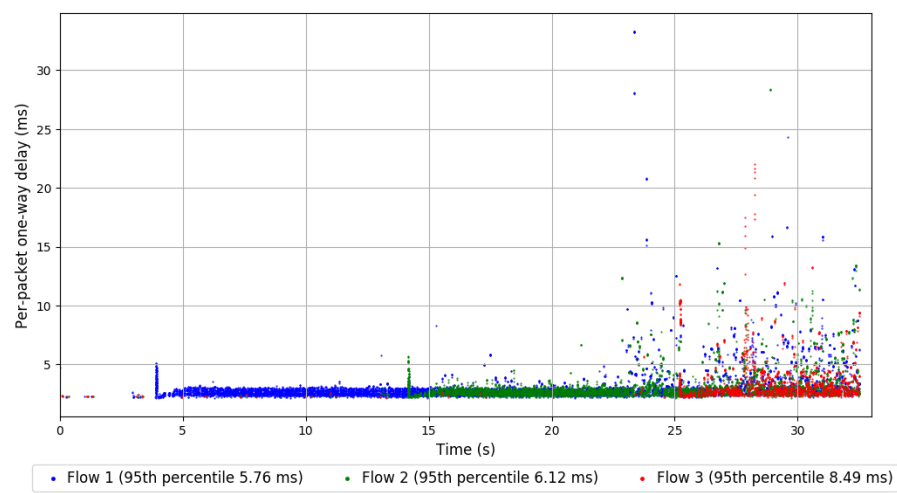
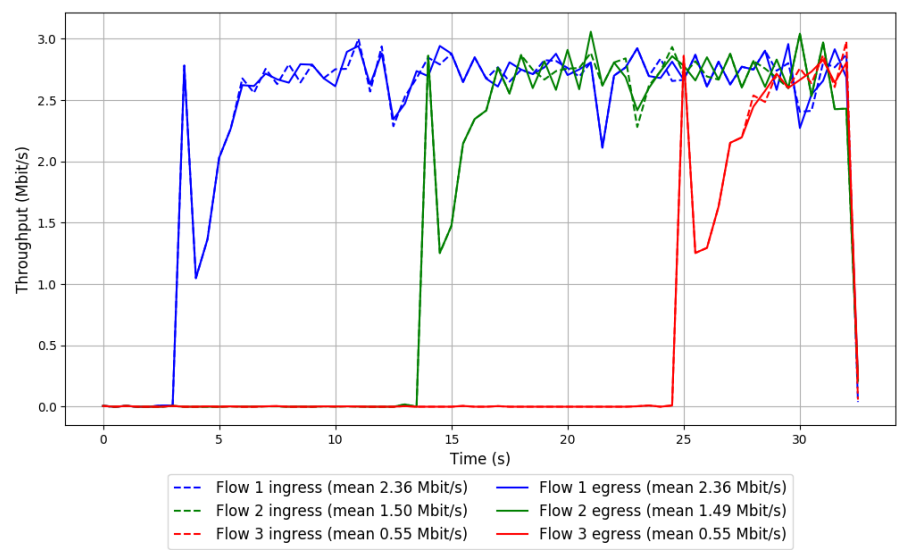


Run 2: Statistics of WebRTC media

Start at: 2018-03-06 15:42:13
End at: 2018-03-06 15:42:43
Local clock offset: -3.871 ms
Remote clock offset: -6.385 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.303 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 6.125 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 8.490 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-06 16:02:43

End at: 2018-03-06 16:03:13

Local clock offset: -4.914 ms

Remote clock offset: -6.45 ms

Below is generated by plot.py at 2018-03-06 19:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 44.626 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 45.393 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 5.245 ms

Loss rate: 0.14%

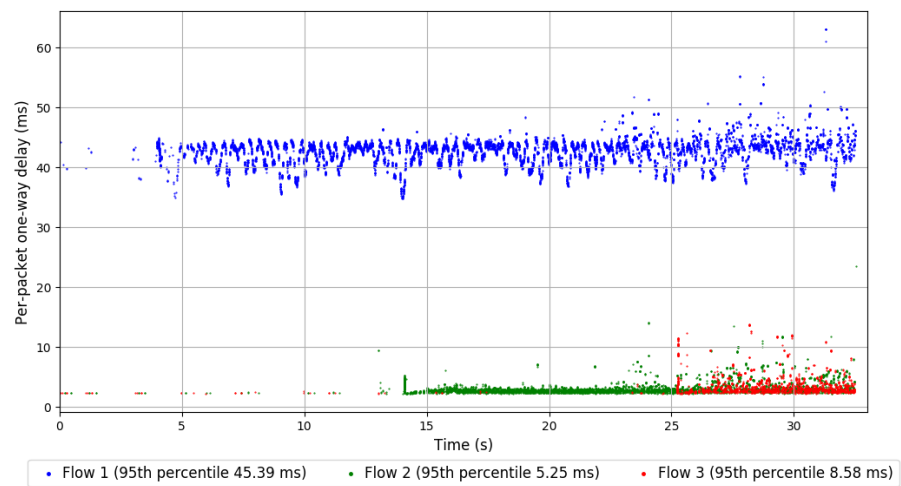
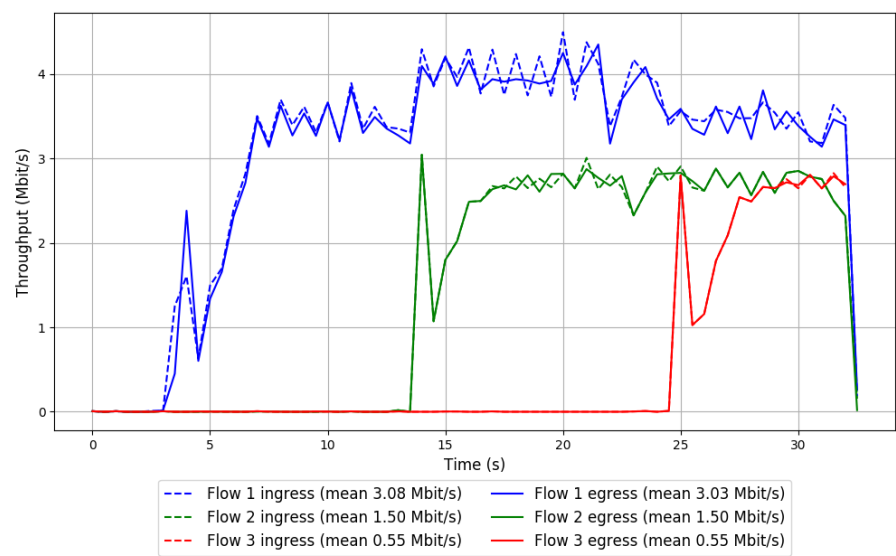
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 8.581 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

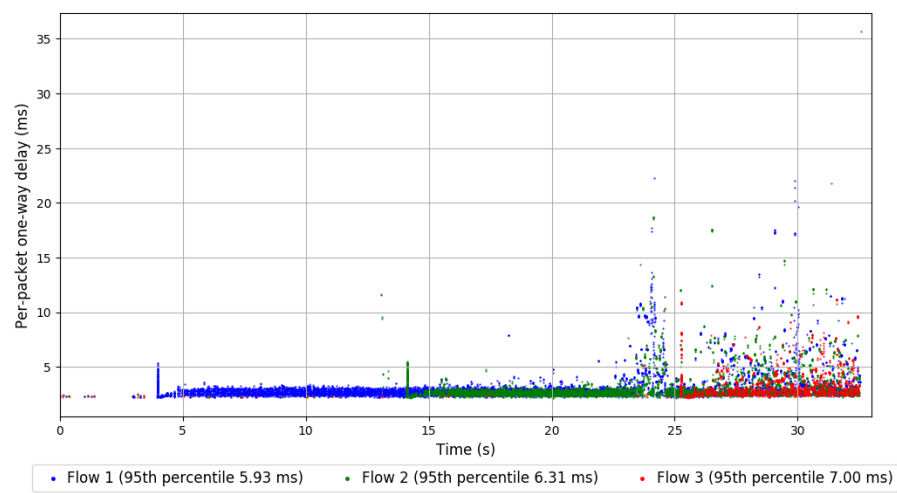
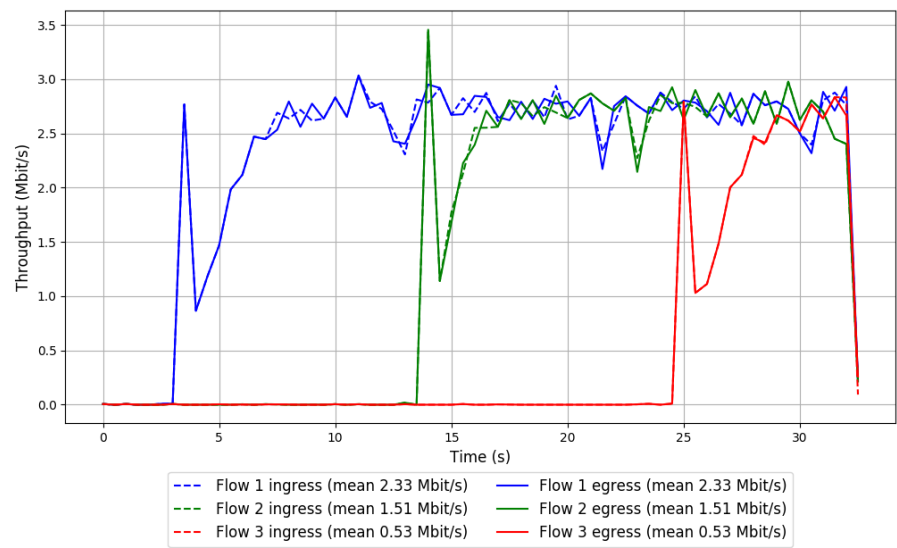


Run 4: Statistics of WebRTC media

Start at: 2018-03-06 16:23:16
End at: 2018-03-06 16:23:46
Local clock offset: -5.53 ms
Remote clock offset: -6.829 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 6.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 6.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 6.997 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

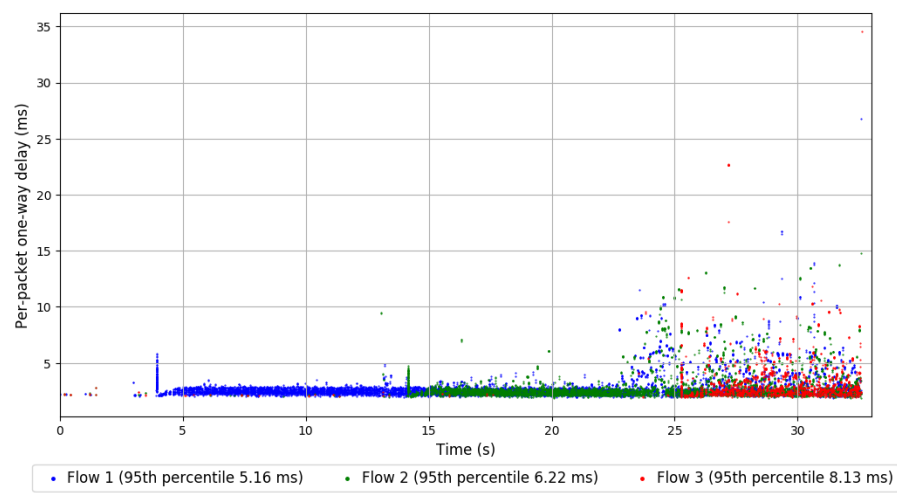
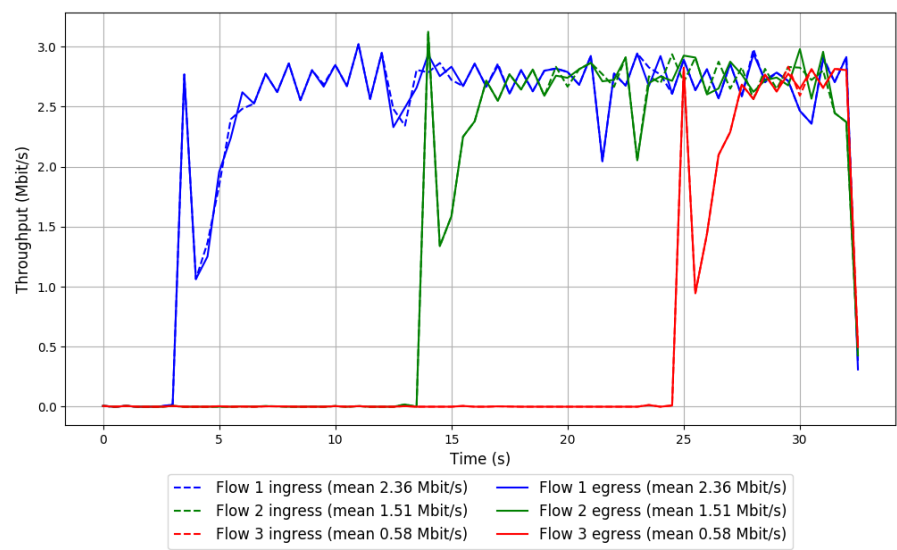


Run 5: Statistics of WebRTC media

Start at: 2018-03-06 16:43:50
End at: 2018-03-06 16:44:20
Local clock offset: -1.655 ms
Remote clock offset: -6.828 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 5.783 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.161 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 6.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 8.133 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

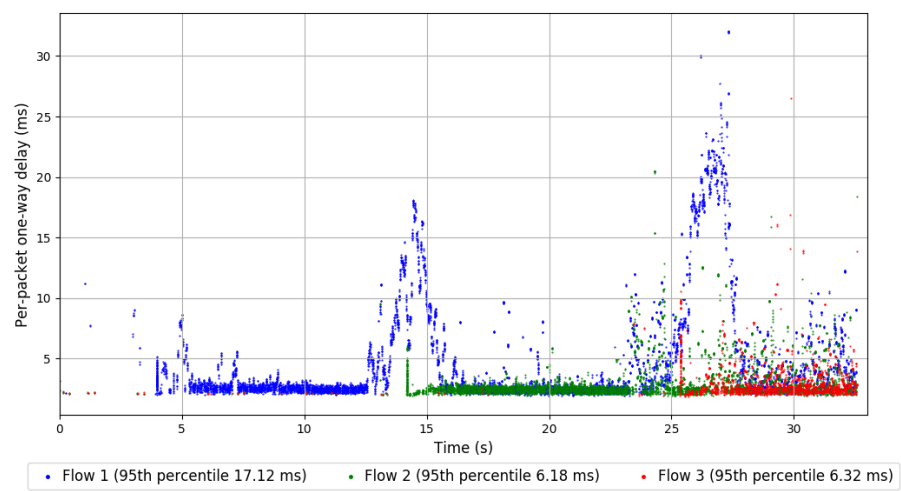
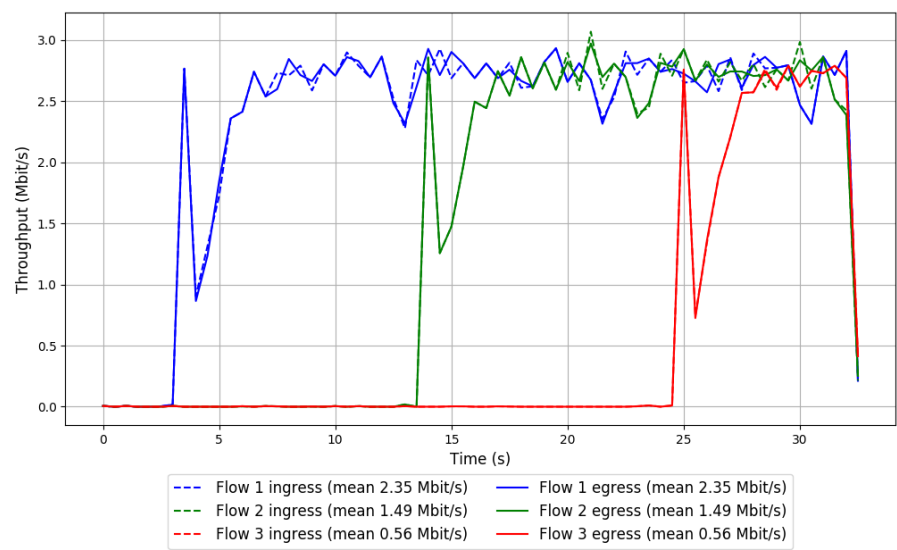


Run 6: Statistics of WebRTC media

Start at: 2018-03-06 17:04:23
End at: 2018-03-06 17:04:53
Local clock offset: -1.966 ms
Remote clock offset: -1.769 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 11.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 17.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 6.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 6.320 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

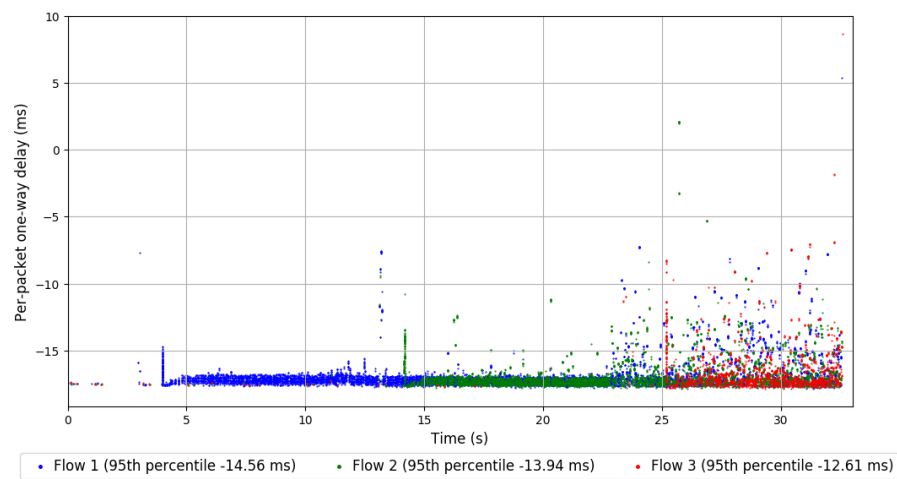
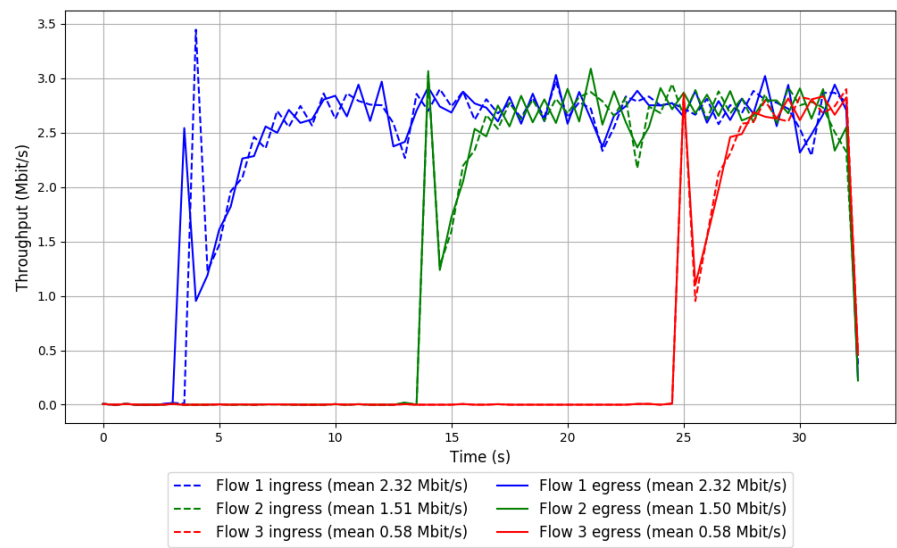


Run 7: Statistics of WebRTC media

Start at: 2018-03-06 17:24:55
End at: 2018-03-06 17:25:25
Local clock offset: -4.482 ms
Remote clock offset: -15.09 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: -13.943 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -14.560 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -13.943 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: -12.610 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

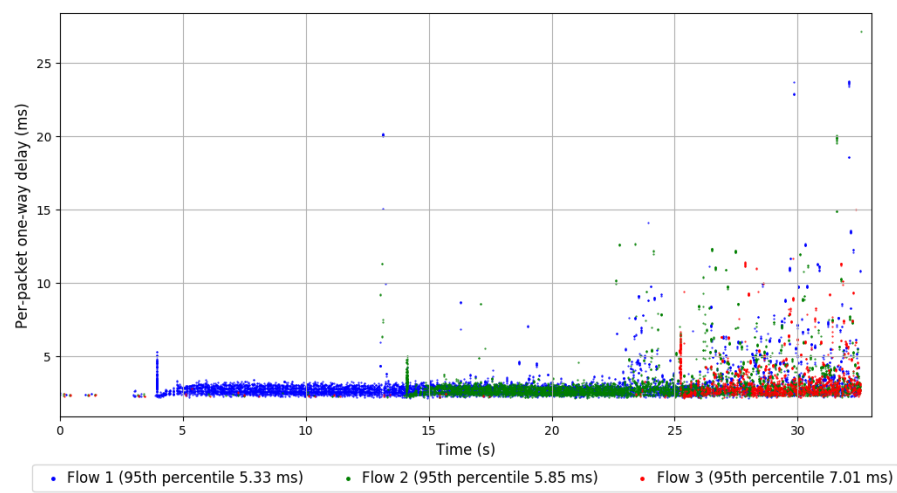
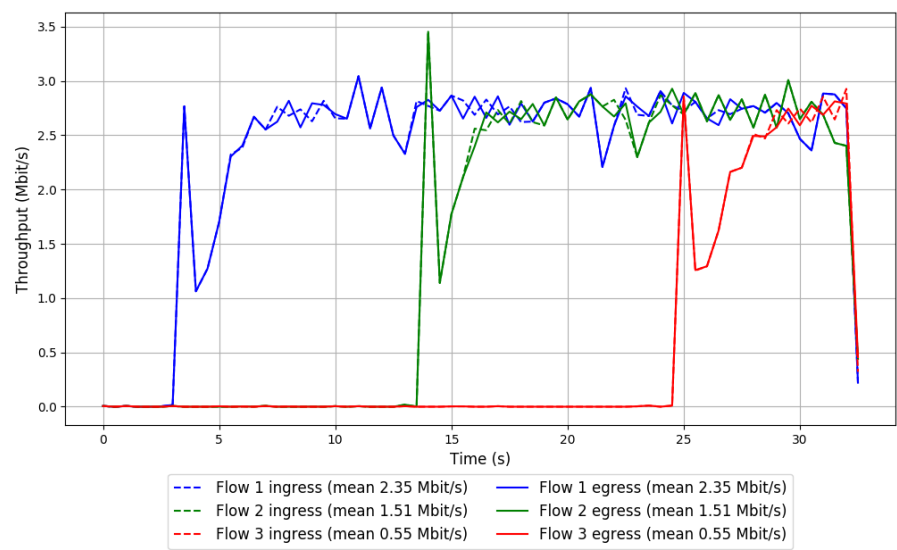


Run 8: Statistics of WebRTC media

Start at: 2018-03-06 17:45:28
End at: 2018-03-06 17:45:58
Local clock offset: -5.455 ms
Remote clock offset: 10.646 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 5.858 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 5.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 7.014 ms
Loss rate: 0.05%
```

Run 8: Report of WebRTC media — Data Link

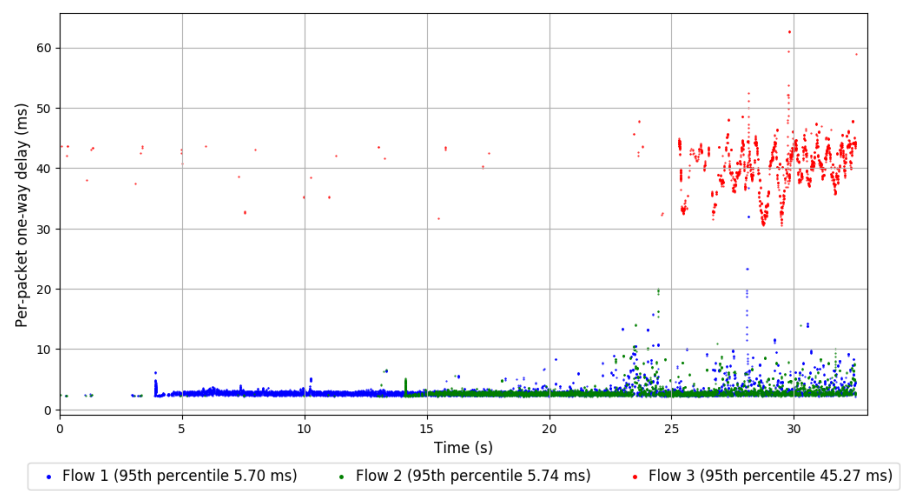
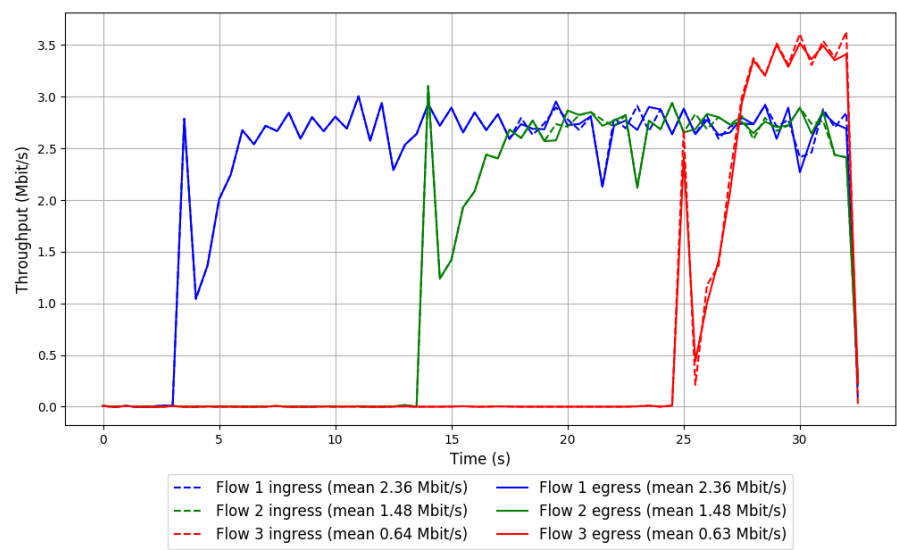


Run 9: Statistics of WebRTC media

Start at: 2018-03-06 18:06:02
End at: 2018-03-06 18:06:32
Local clock offset: -6.178 ms
Remote clock offset: 14.127 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 42.274 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.695 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 5.741 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 45.274 ms
Loss rate: 1.30%

Run 9: Report of WebRTC media — Data Link

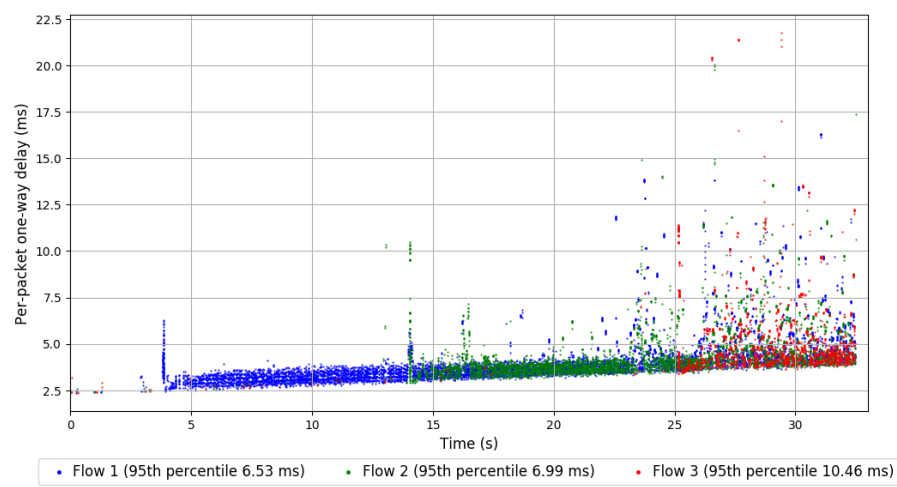
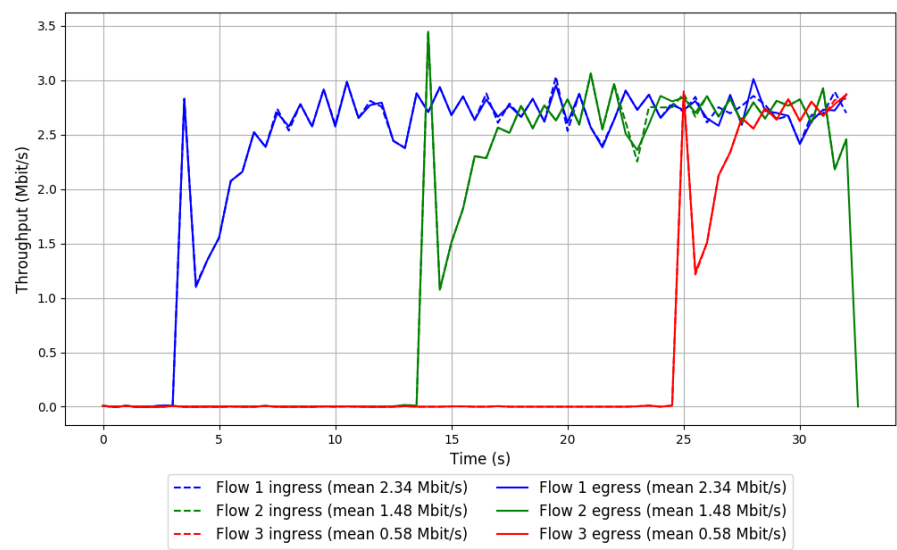


Run 10: Statistics of WebRTC media

Start at: 2018-03-06 18:26:32
End at: 2018-03-06 18:27:02
Local clock offset: -4.517 ms
Remote clock offset: 14.467 ms

Below is generated by plot.py at 2018-03-06 19:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 7.286 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 6.526 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 6.994 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 10.460 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

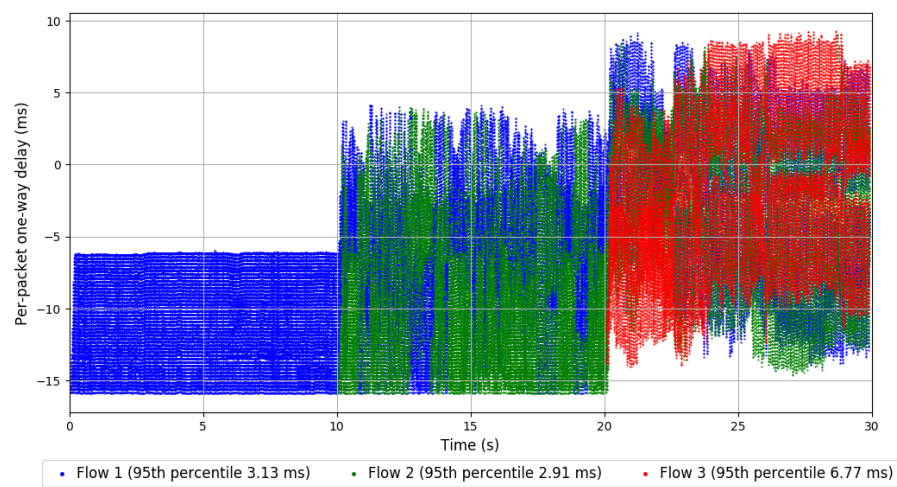
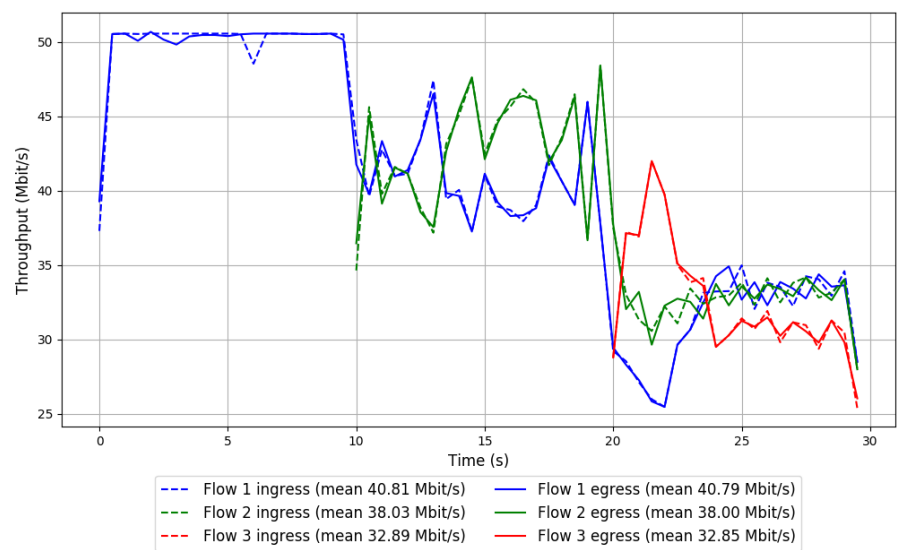


Run 1: Statistics of Sprout

Start at: 2018-03-06 15:23:54
End at: 2018-03-06 15:24:24
Local clock offset: -3.769 ms
Remote clock offset: -24.517 ms

Below is generated by plot.py at 2018-03-06 19:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 6.767 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

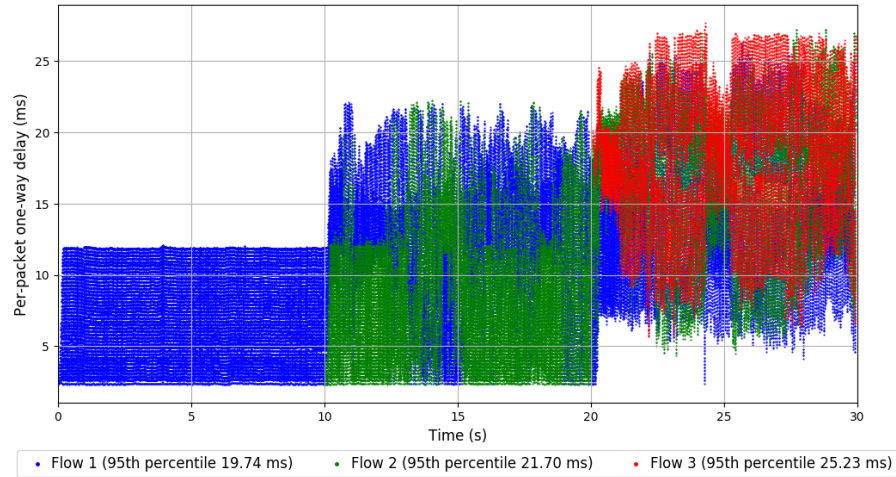
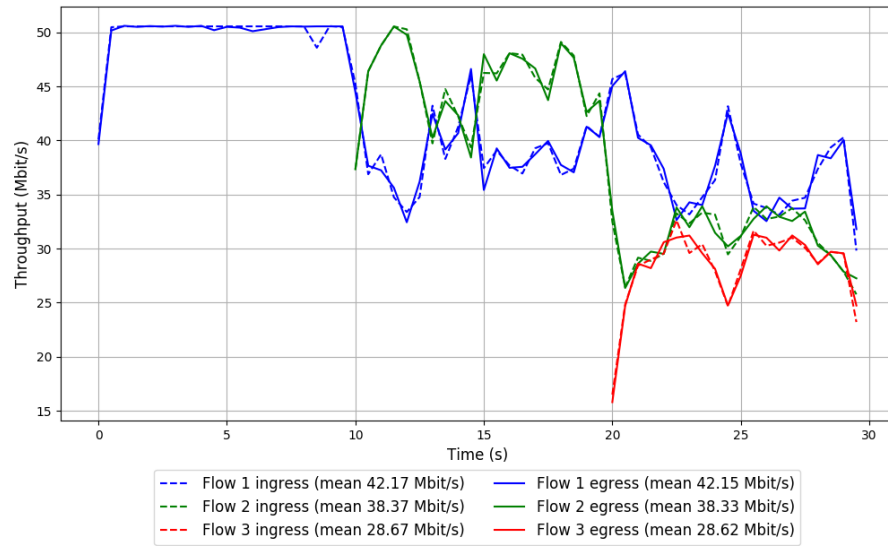


Run 2: Statistics of Sprout

Start at: 2018-03-06 15:44:26
End at: 2018-03-06 15:44:56
Local clock offset: -3.891 ms
Remote clock offset: -6.389 ms

Below is generated by plot.py at 2018-03-06 19:10:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 22.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 19.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 21.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 25.233 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

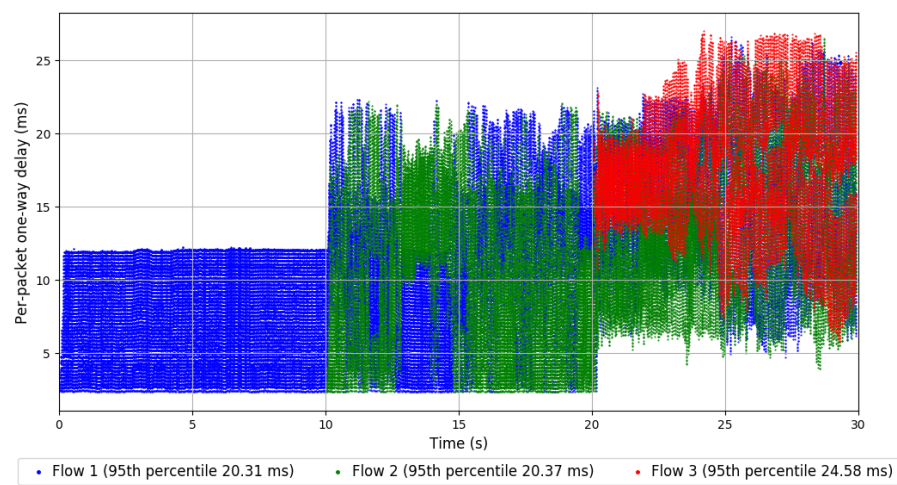
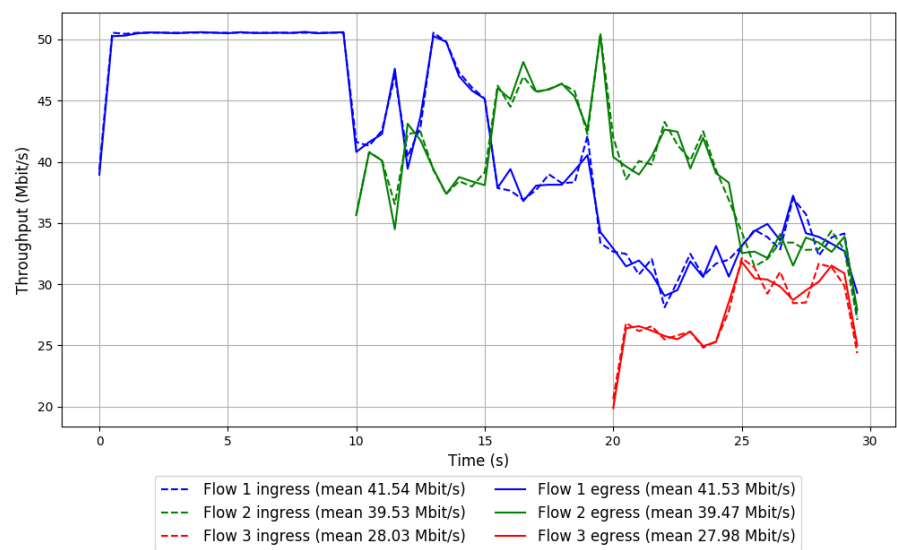


Run 3: Statistics of Sprout

Start at: 2018-03-06 16:04:57
End at: 2018-03-06 16:05:27
Local clock offset: -5.072 ms
Remote clock offset: -6.449 ms

Below is generated by plot.py at 2018-03-06 19:10:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 21.299 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 20.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 24.580 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

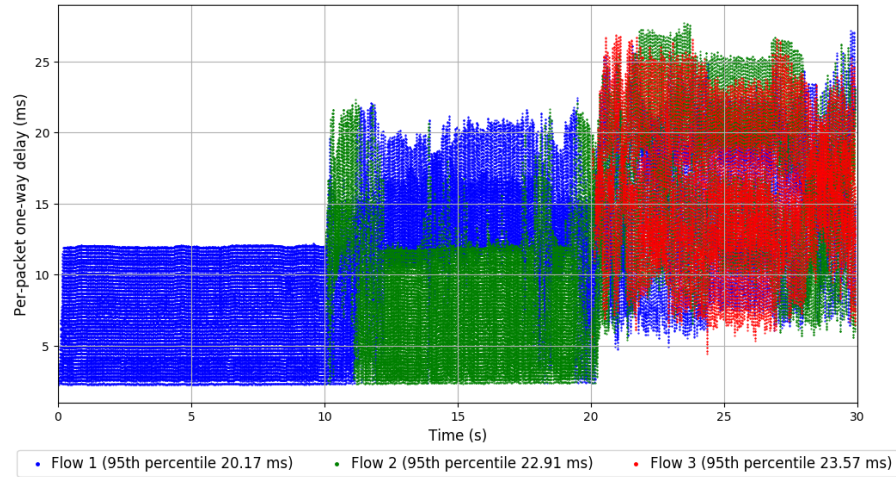
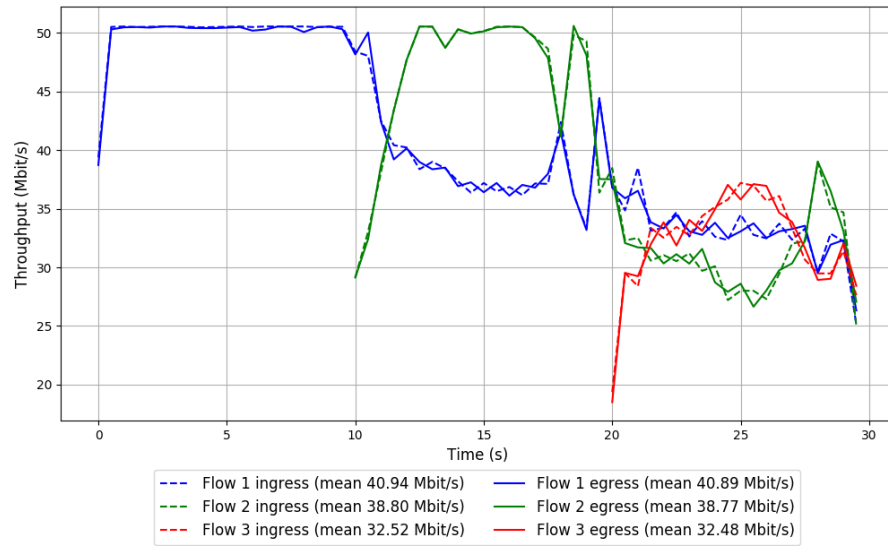


Run 4: Statistics of Sprout

Start at: 2018-03-06 16:25:29
End at: 2018-03-06 16:25:59
Local clock offset: -5.572 ms
Remote clock offset: -6.904 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 21.910 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 22.912 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 23.567 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

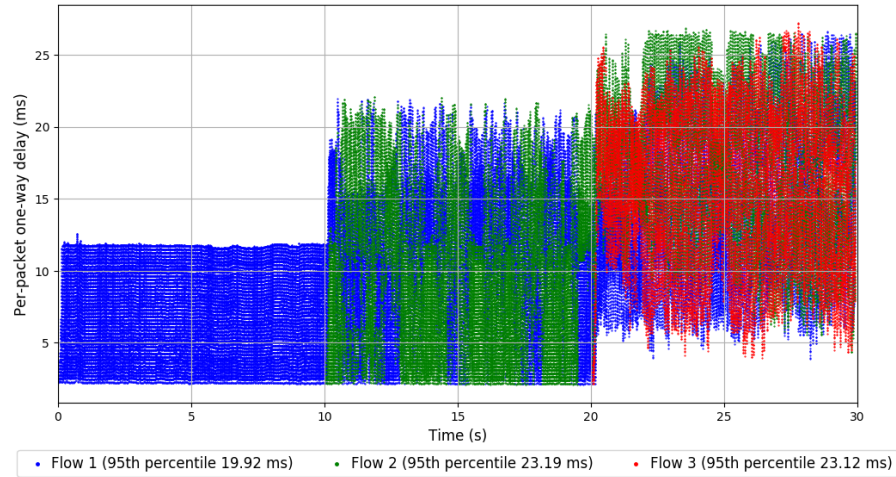
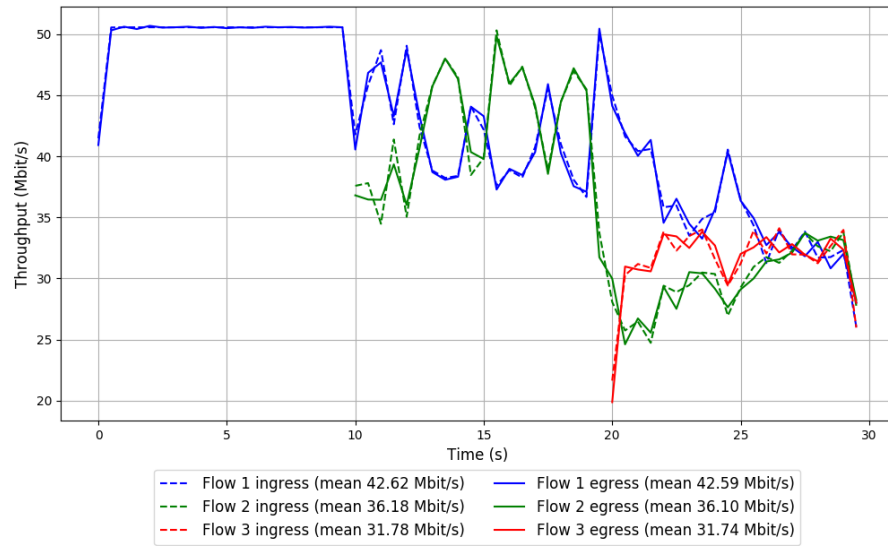


Run 5: Statistics of Sprout

Start at: 2018-03-06 16:46:03
End at: 2018-03-06 16:46:33
Local clock offset: -1.435 ms
Remote clock offset: -5.718 ms

Below is generated by plot.py at 2018-03-06 19:10:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 21.966 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 19.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 23.193 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 23.116 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

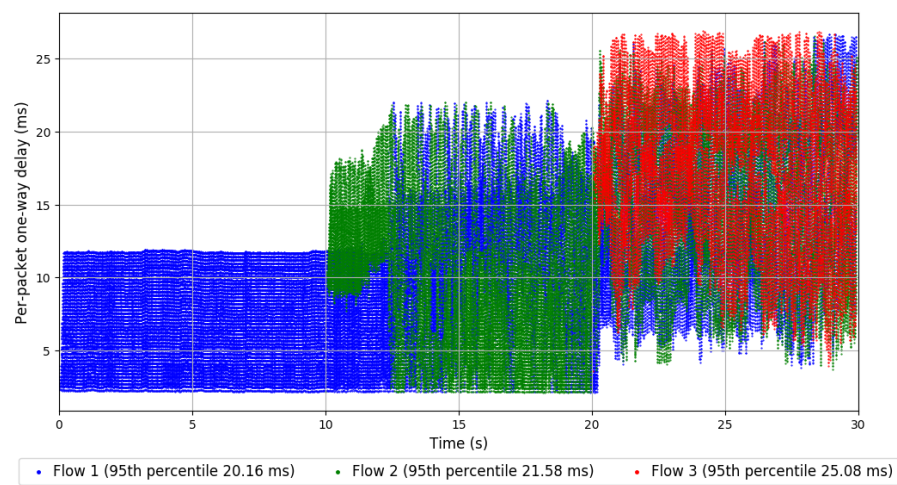
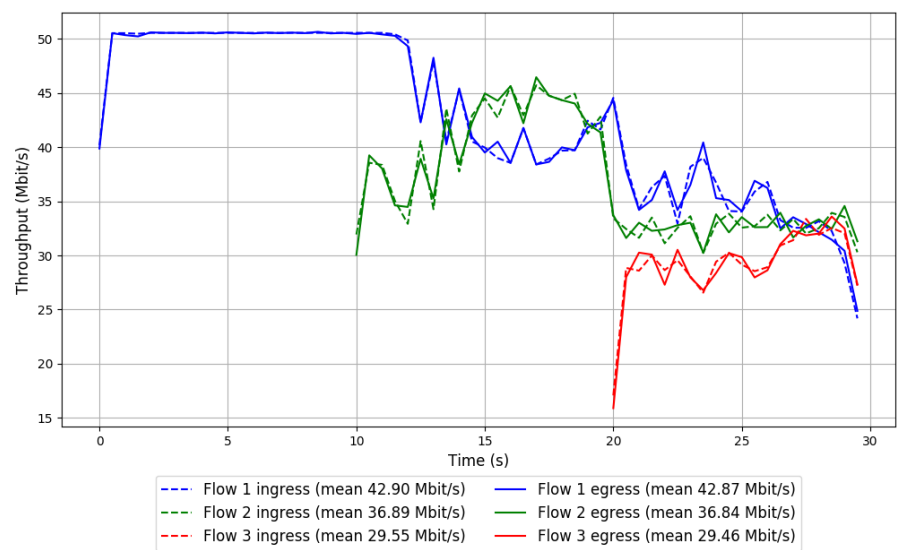


Run 6: Statistics of Sprout

Start at: 2018-03-06 17:06:36
End at: 2018-03-06 17:07:06
Local clock offset: -2.547 ms
Remote clock offset: -1.552 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.11 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 20.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 21.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 25.084 ms
Loss rate: 0.10%
```

Run 6: Report of Sprout — Data Link

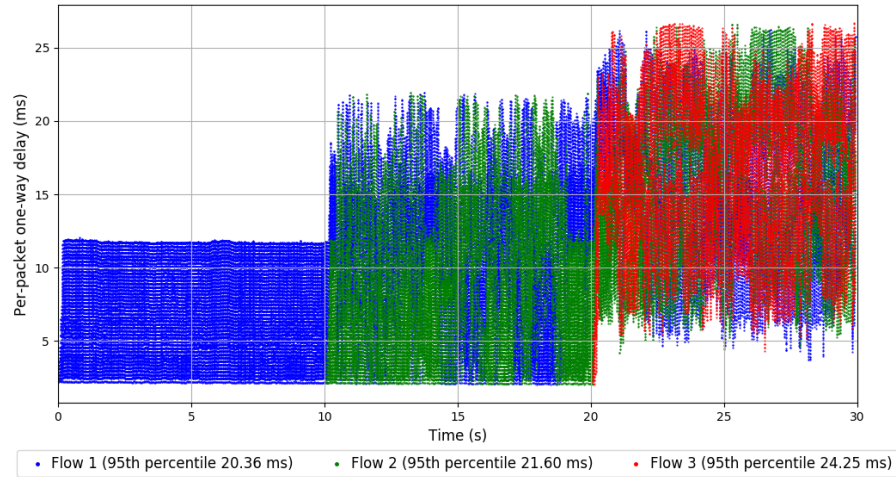
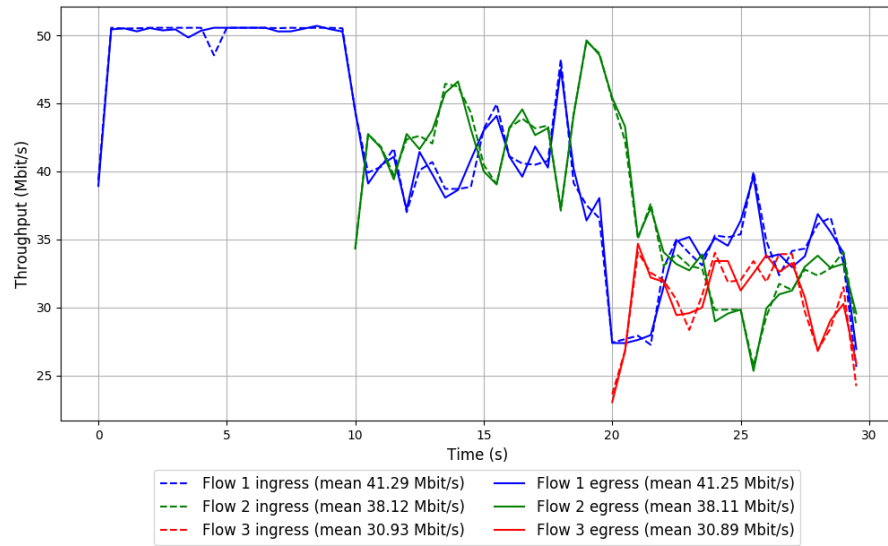


Run 7: Statistics of Sprout

Start at: 2018-03-06 17:27:09
End at: 2018-03-06 17:27:39
Local clock offset: -4.576 ms
Remote clock offset: 5.593 ms

```
# Below is generated by plot.py at 2018-03-06 19:10:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 21.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 21.596 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 24.252 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

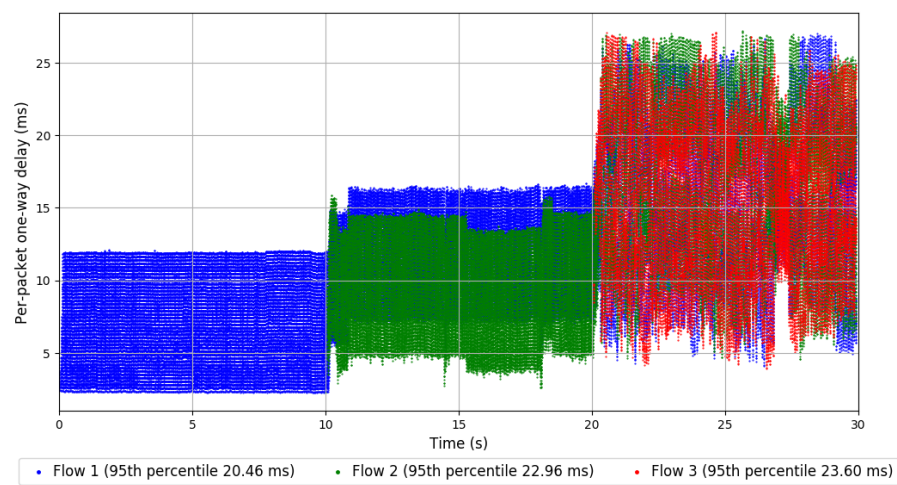
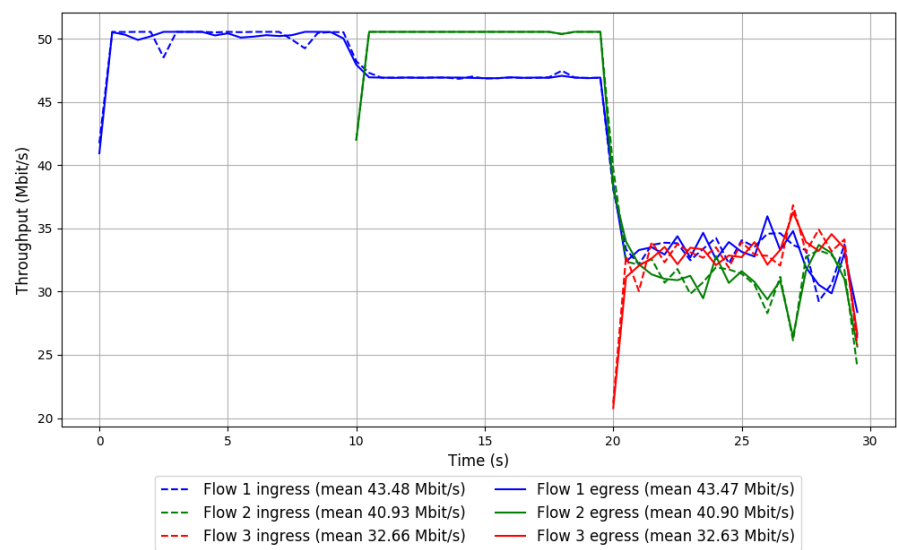


Run 8: Statistics of Sprout

Start at: 2018-03-06 17:47:42
End at: 2018-03-06 17:48:12
Local clock offset: -5.478 ms
Remote clock offset: 11.038 ms

```
# Below is generated by plot.py at 2018-03-06 19:11:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 22.236 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 20.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 22.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 23.601 ms
Loss rate: 0.11%
```

Run 8: Report of Sprout — Data Link

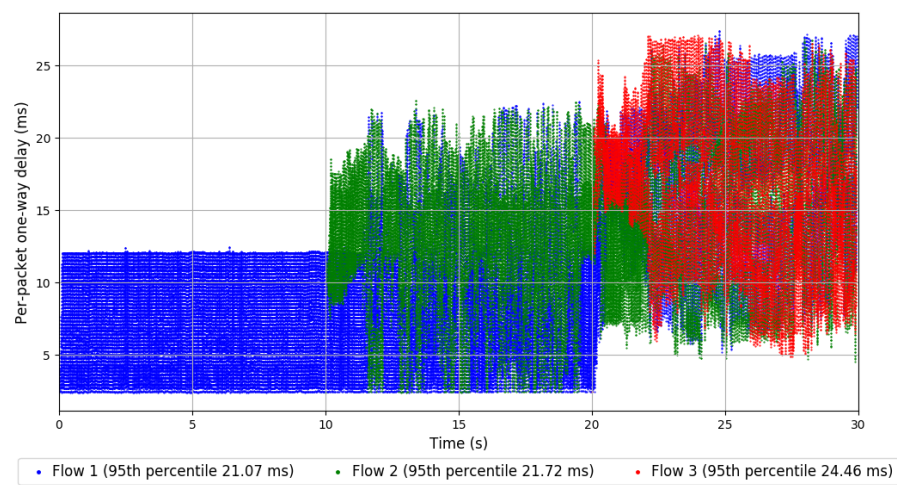
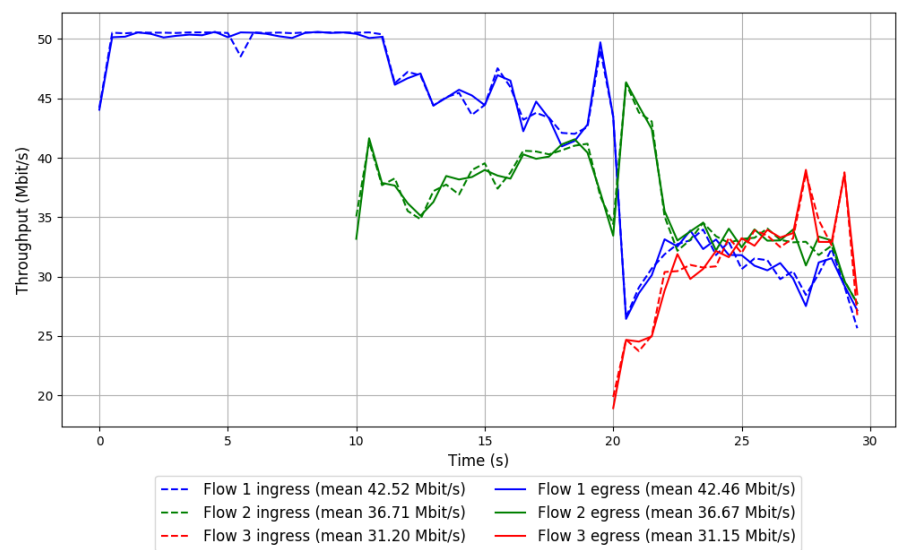


Run 9: Statistics of Sprout

Start at: 2018-03-06 18:08:15
End at: 2018-03-06 18:08:45
Local clock offset: -6.228 ms
Remote clock offset: 14.511 ms

Below is generated by plot.py at 2018-03-06 19:11:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 22.202 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 21.069 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 21.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 24.465 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-06 18:28:46

End at: 2018-03-06 18:29:16

Local clock offset: -4.457 ms

Remote clock offset: 9.269 ms

Below is generated by plot.py at 2018-03-06 19:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.13 Mbit/s

95th percentile per-packet one-way delay: 49.879 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 19.617 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.02 Mbit/s

95th percentile per-packet one-way delay: 20.354 ms

Loss rate: 0.00%

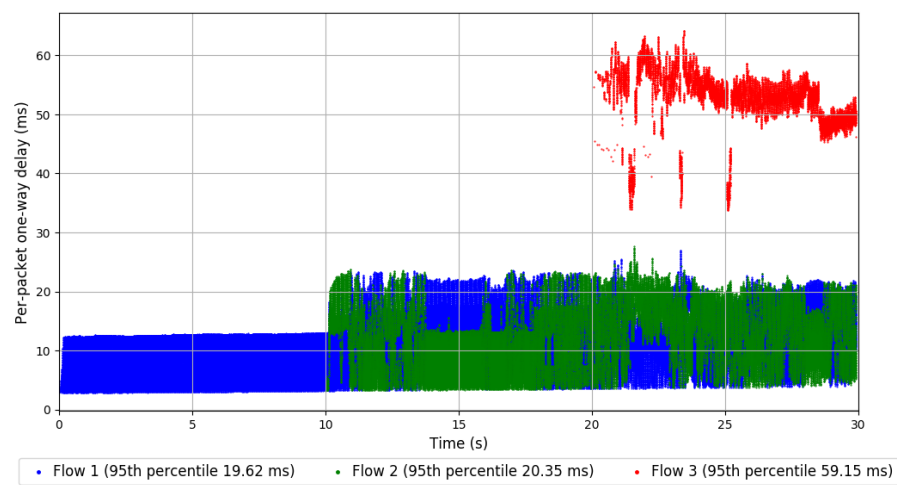
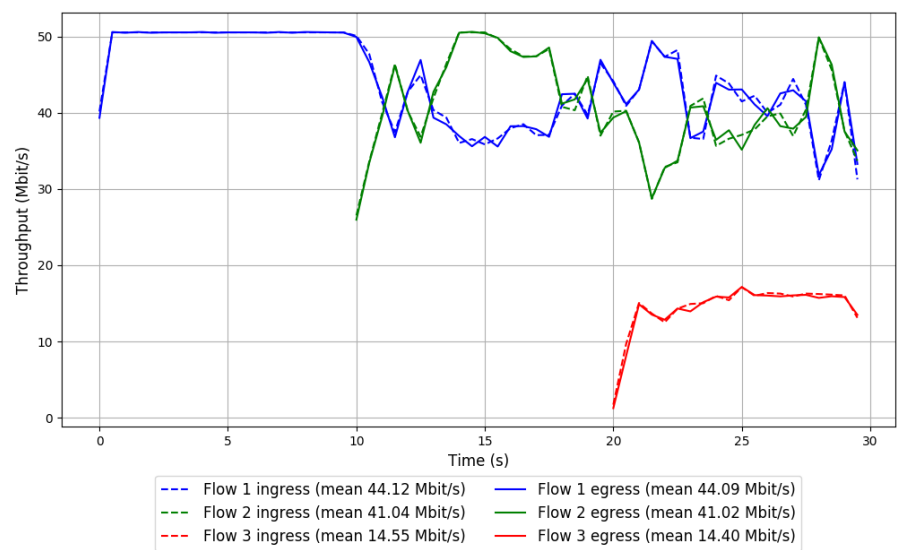
-- Flow 3:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 59.146 ms

Loss rate: 1.28%

Run 10: Report of Sprout — Data Link

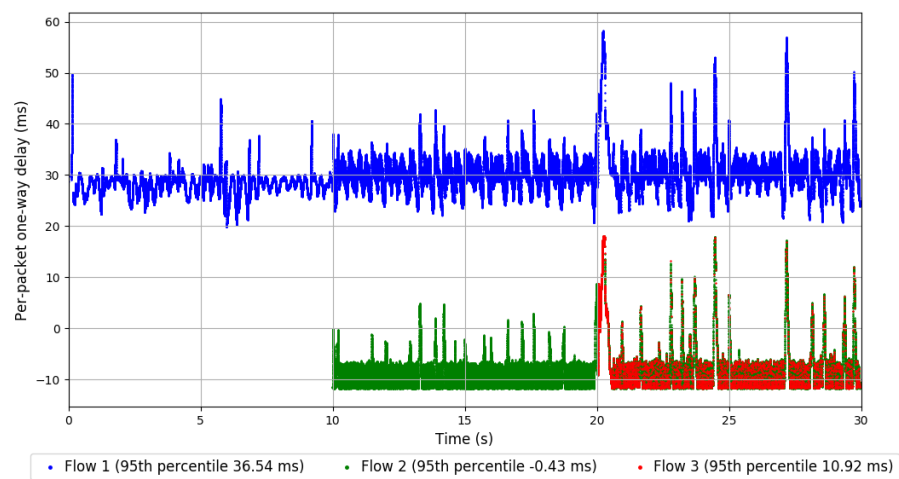
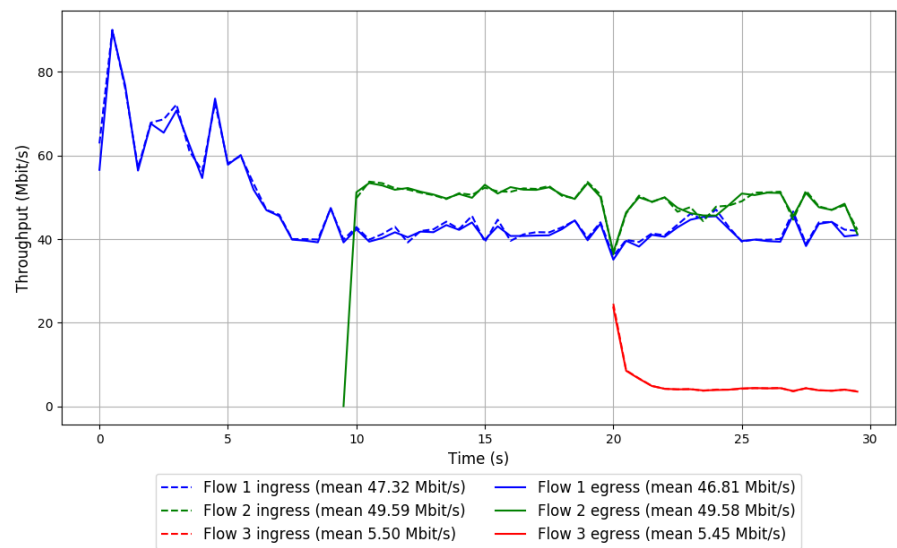


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 15:12:33
End at: 2018-03-06 15:13:03
Local clock offset: -3.661 ms
Remote clock offset: -20.294 ms

# Below is generated by plot.py at 2018-03-06 19:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.69 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 36.544 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: -0.428 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 10.921 ms
Loss rate: 1.04%
```


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

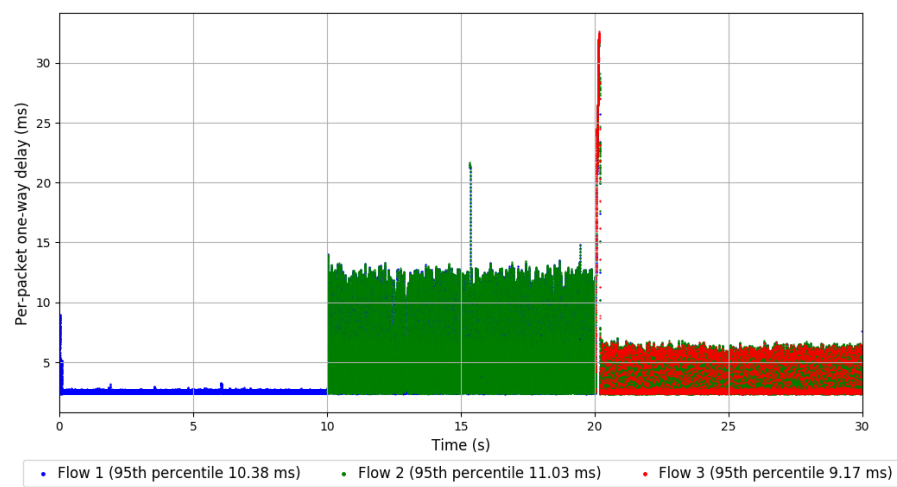
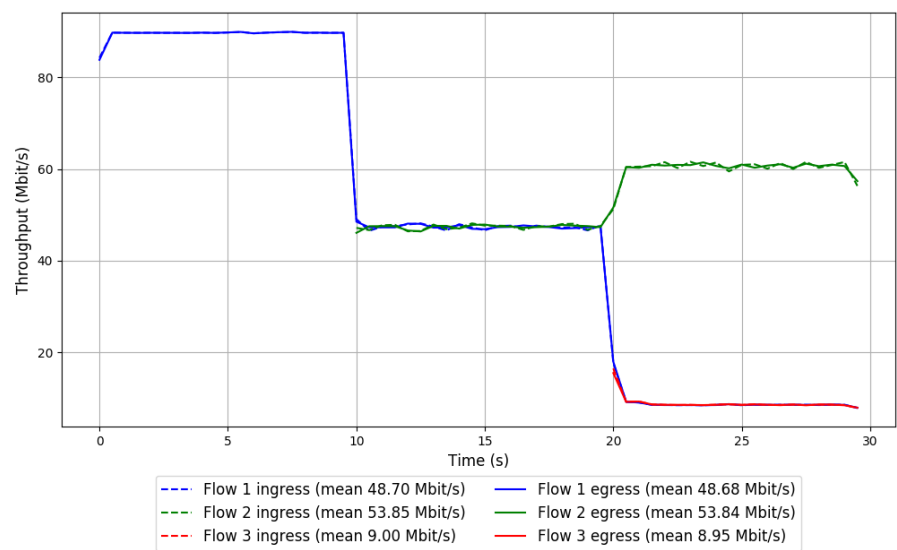


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 15:33:04
End at: 2018-03-06 15:33:34
Local clock offset: -3.876 ms
Remote clock offset: -6.283 ms

Below is generated by plot.py at 2018-03-06 19:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 10.706 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 10.378 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 11.031 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 9.168 ms
Loss rate: 0.54%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 15:53:35

End at: 2018-03-06 15:54:05

Local clock offset: -4.11 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-03-06 19:13:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 10.546 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 9.447 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 11.553 ms

Loss rate: 0.08%

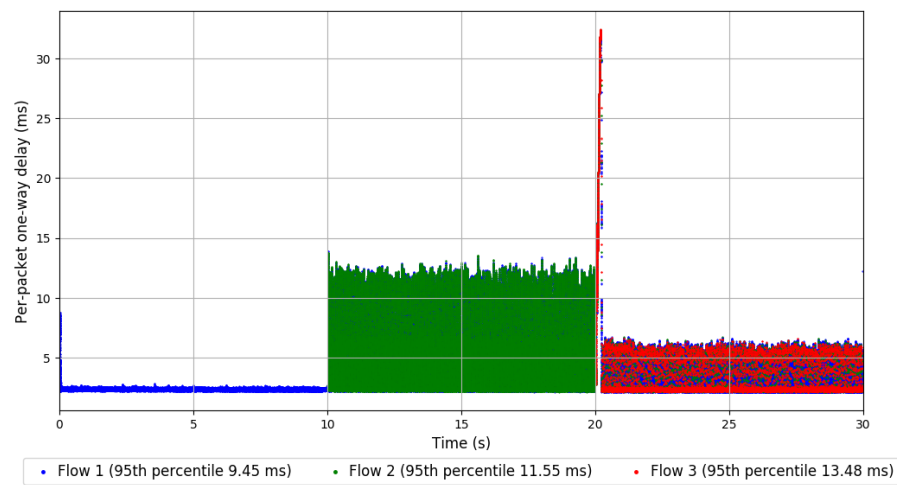
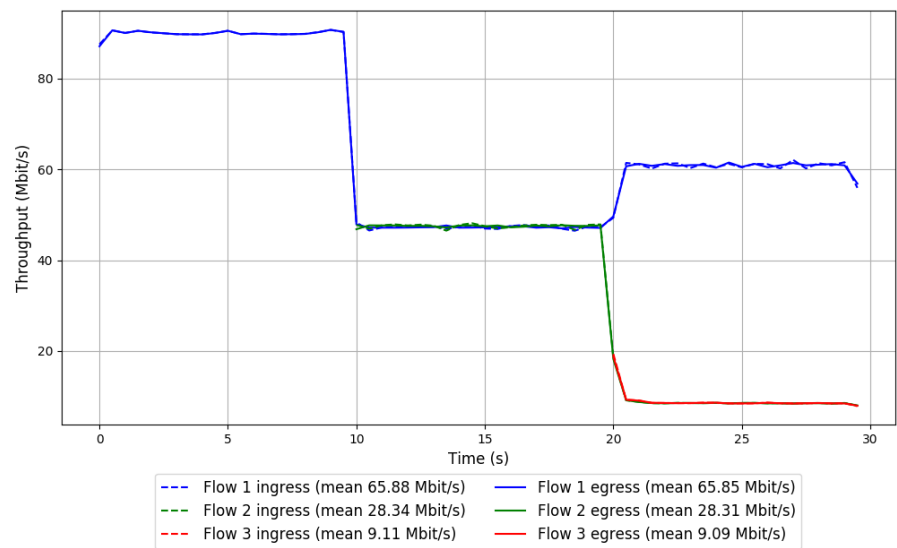
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 13.481 ms

Loss rate: 0.28%

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

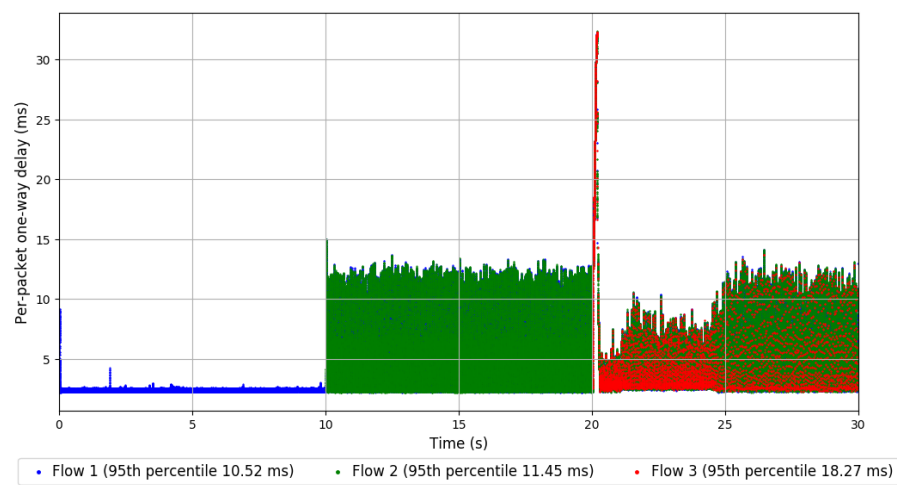
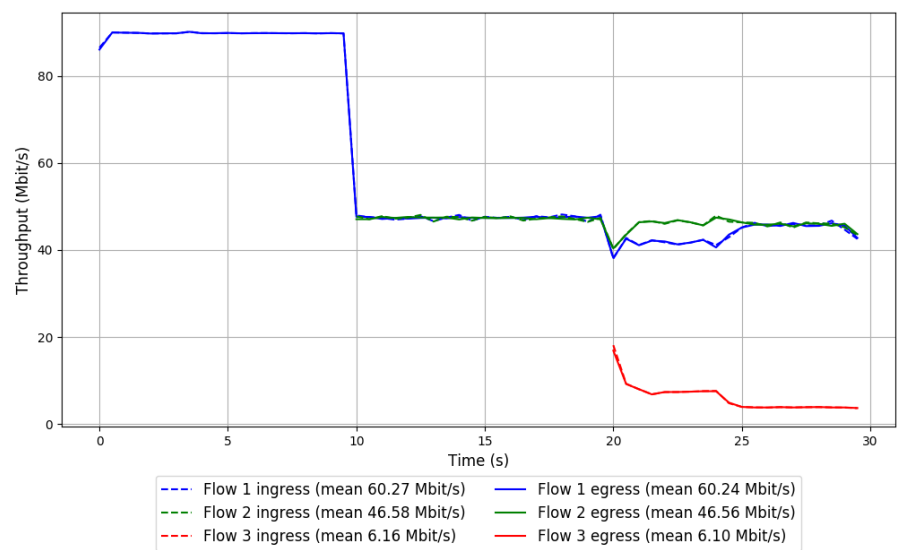


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 16:14:09
End at: 2018-03-06 16:14:39
Local clock offset: -5.313 ms
Remote clock offset: -6.708 ms

Below is generated by plot.py at 2018-03-06 19:13:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 10.515 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 11.446 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 18.265 ms
Loss rate: 0.99%

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

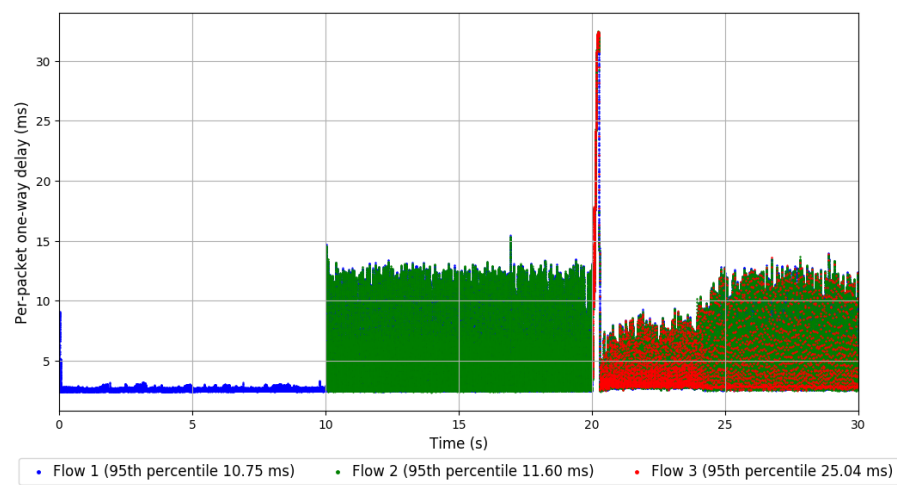
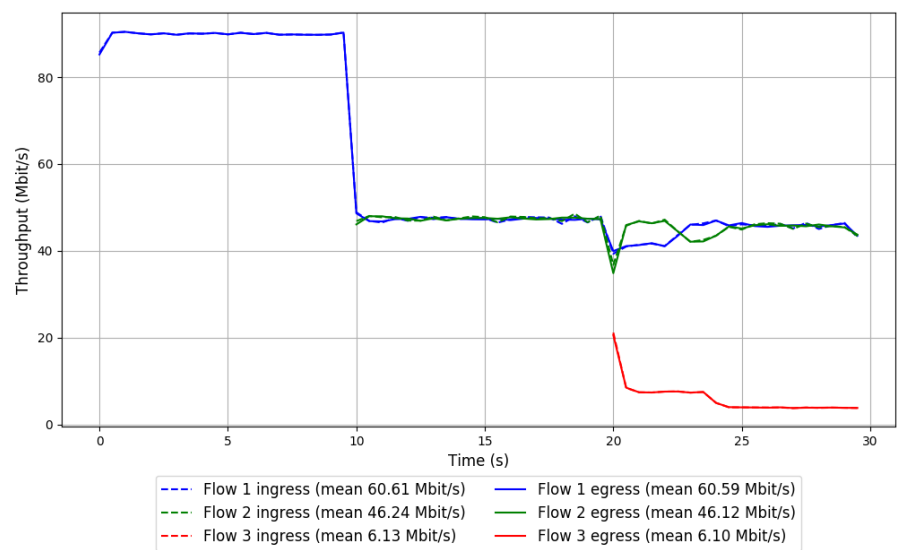


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 16:34:36
End at: 2018-03-06 16:35:06
Local clock offset: -2.893 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-03-06 19:13:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 11.222 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 10.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 11.596 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 25.036 ms
Loss rate: 0.40%

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

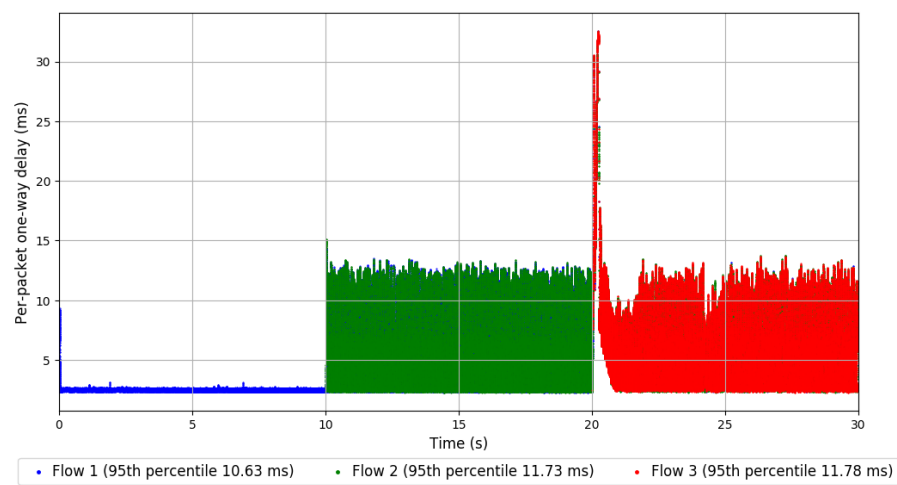
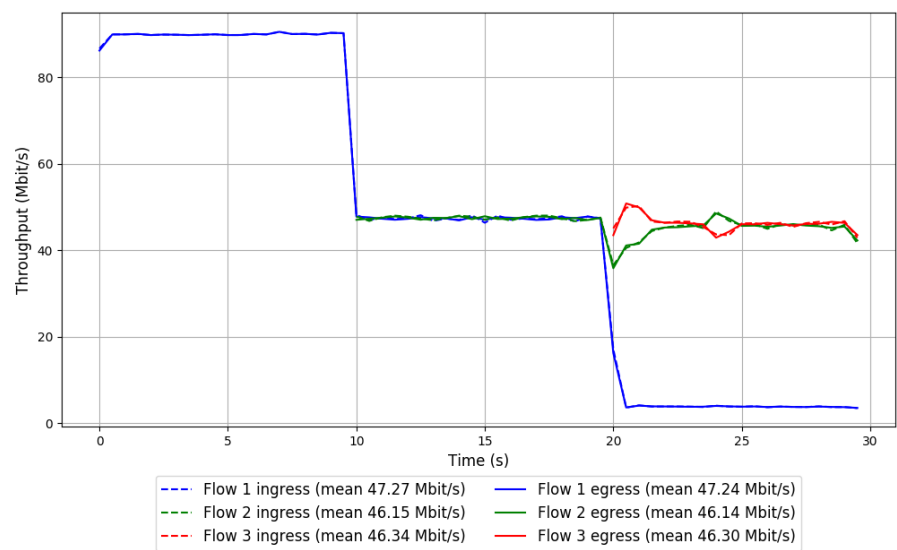


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 16:55:15
End at: 2018-03-06 16:55:45
Local clock offset: -0.875 ms
Remote clock offset: -3.026 ms

Below is generated by plot.py at 2018-03-06 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 10.626 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 11.727 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 11.780 ms
Loss rate: 0.04%

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

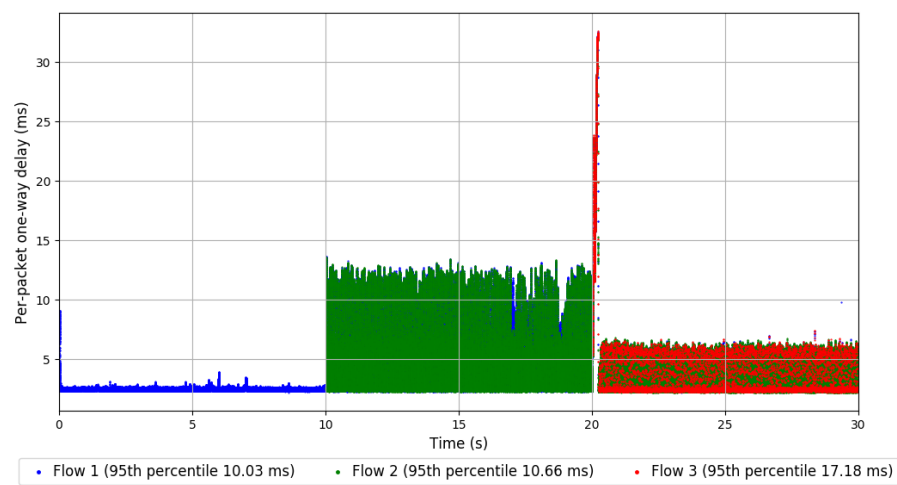
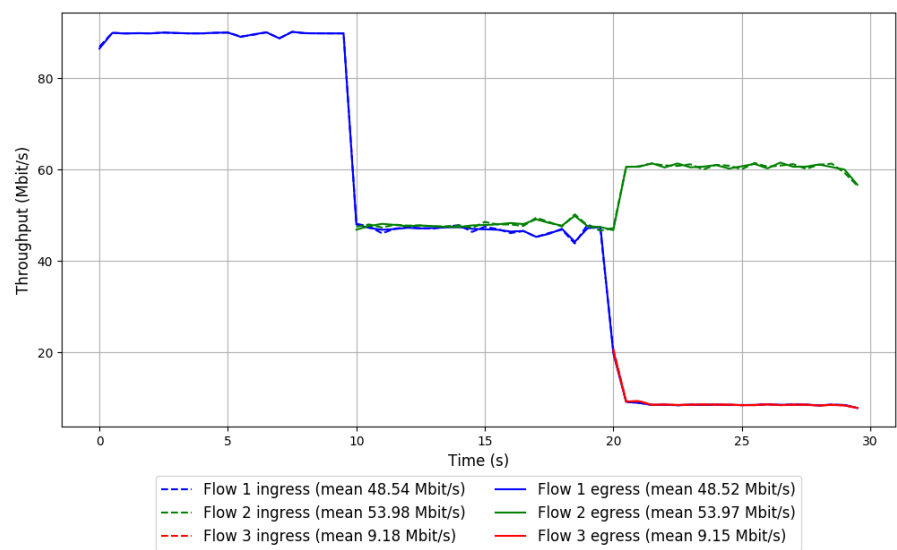


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 17:15:47
End at: 2018-03-06 17:16:17
Local clock offset: -3.842 ms
Remote clock offset: -0.821 ms

Below is generated by plot.py at 2018-03-06 19:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 10.383 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 10.034 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 10.660 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 17.184 ms
Loss rate: 0.40%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 17:36:20

End at: 2018-03-06 17:36:50

Local clock offset: -4.987 ms

Remote clock offset: 8.596 ms

Below is generated by plot.py at 2018-03-06 19:14:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 46.222 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 11.340 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 11.745 ms

Loss rate: 0.12%

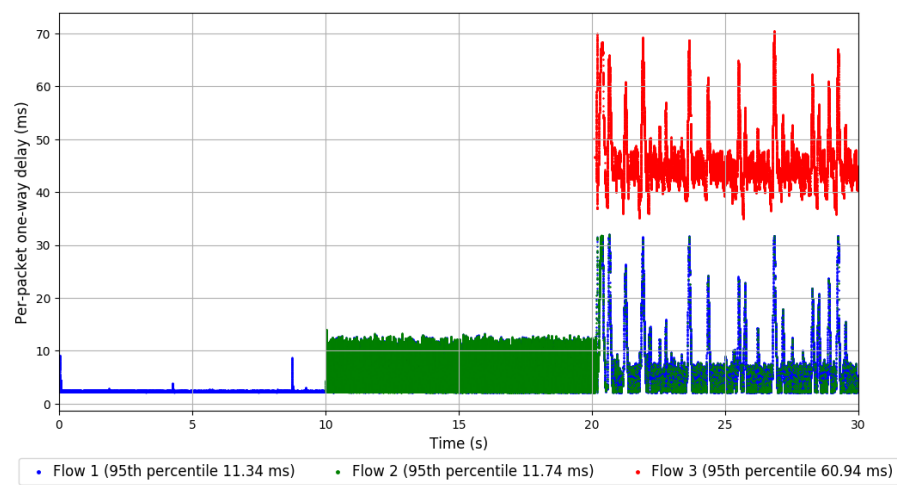
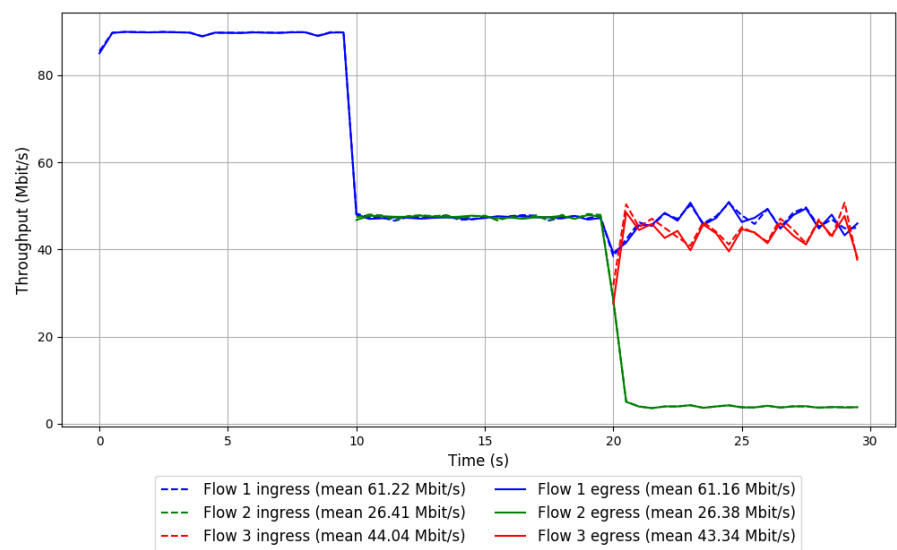
-- Flow 3:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 60.941 ms

Loss rate: 2.05%

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

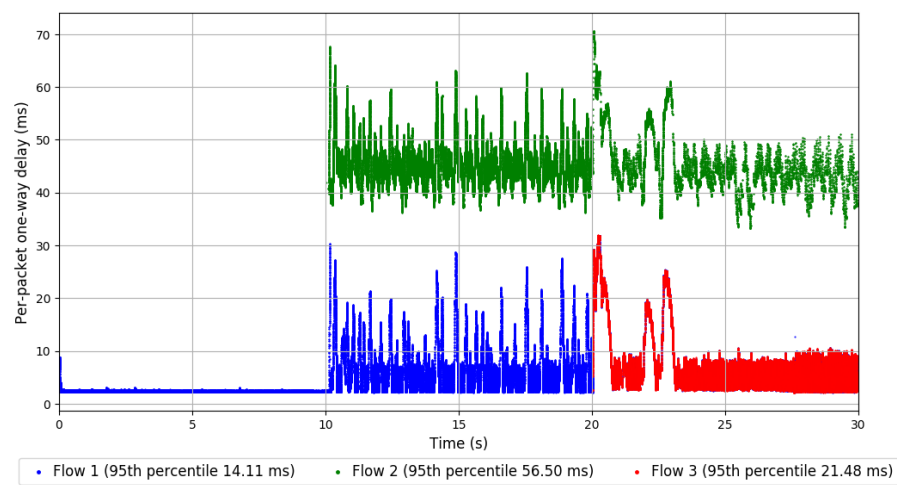
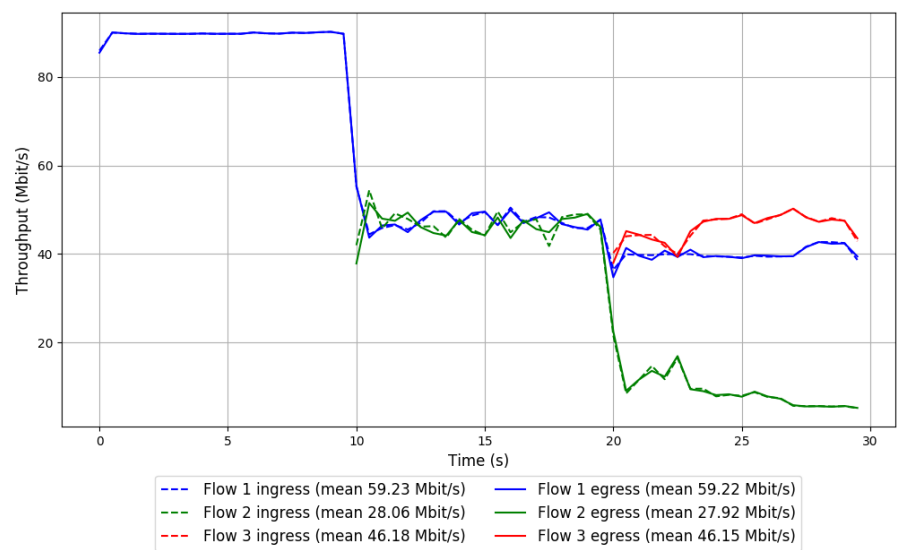


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 17:56:52
End at: 2018-03-06 17:57:22
Local clock offset: -5.844 ms
Remote clock offset: 12.526 ms

Below is generated by plot.py at 2018-03-06 19:15:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 47.928 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 14.106 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 56.499 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 21.483 ms
Loss rate: 0.06%

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

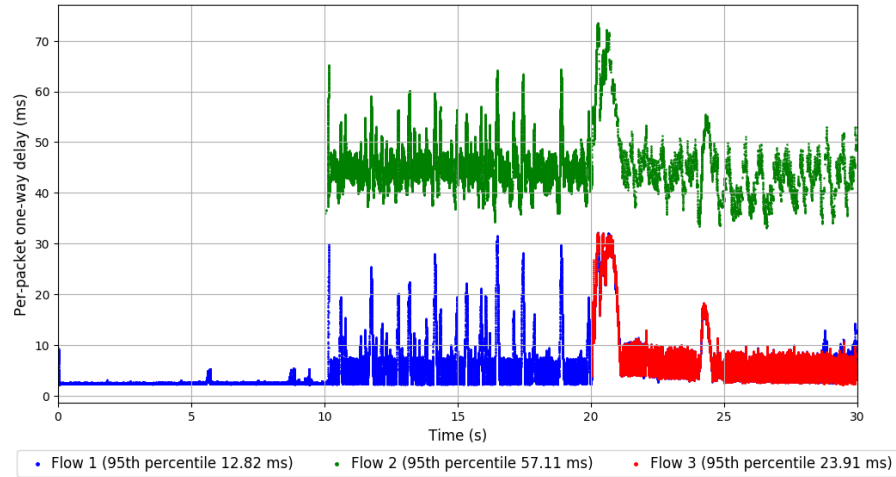
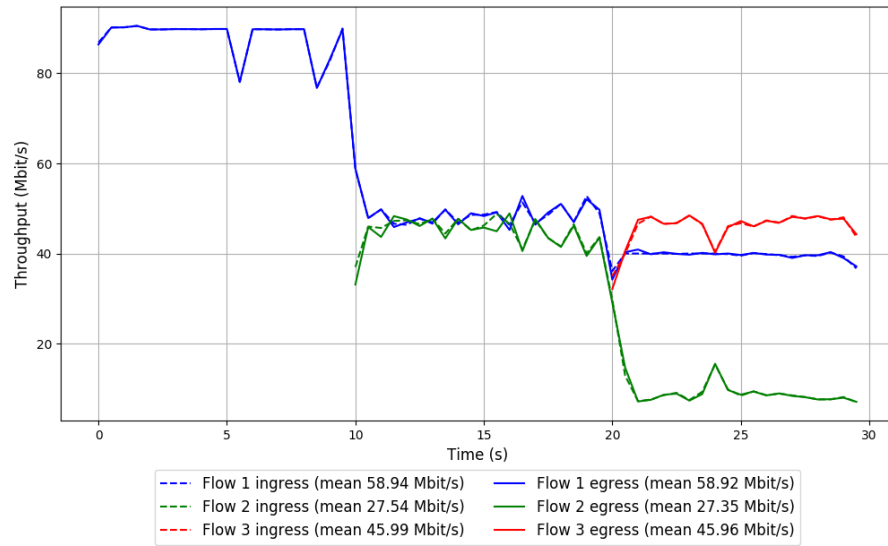


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 18:17:24
End at: 2018-03-06 18:17:54
Local clock offset: -4.921 ms
Remote clock offset: 15.872 ms

Below is generated by plot.py at 2018-03-06 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 47.413 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 12.820 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 57.110 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 45.96 Mbit/s
95th percentile per-packet one-way delay: 23.913 ms
Loss rate: 0.10%

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

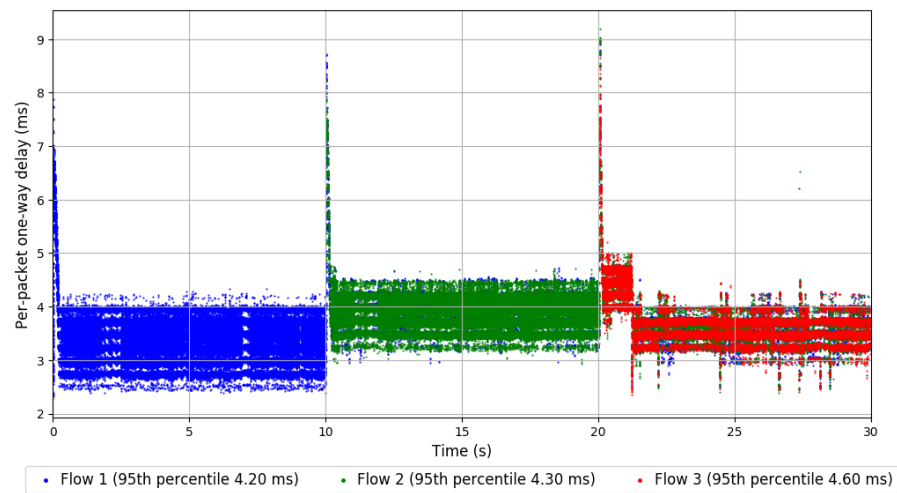
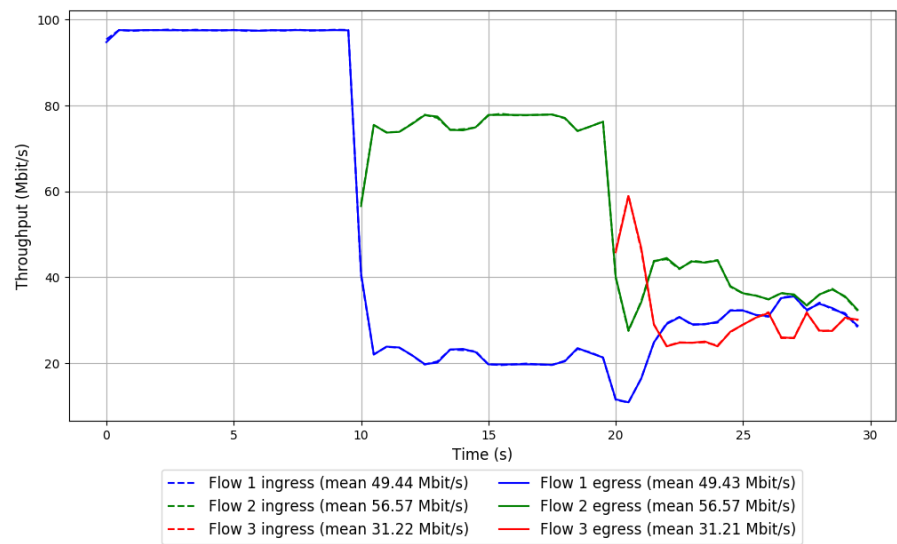


Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 15:15:59
End at: 2018-03-06 15:16:29
Local clock offset: -3.645 ms
Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-03-06 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 4.198 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 4.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 4.599 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

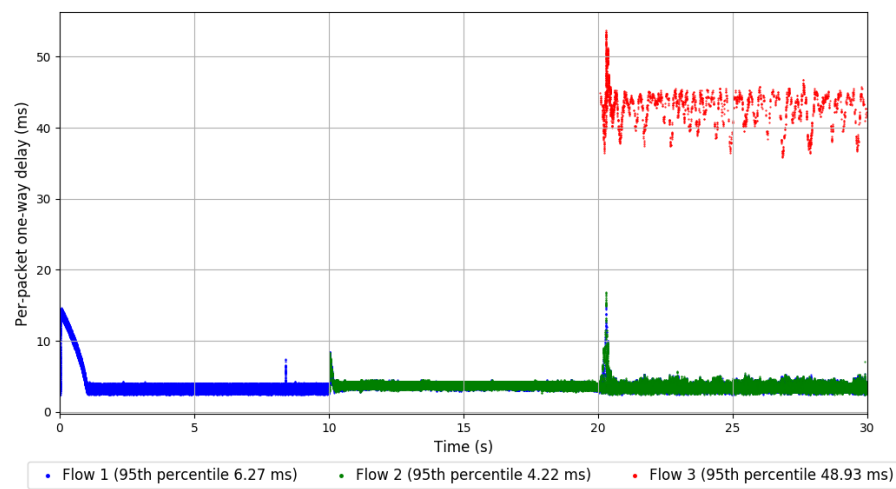
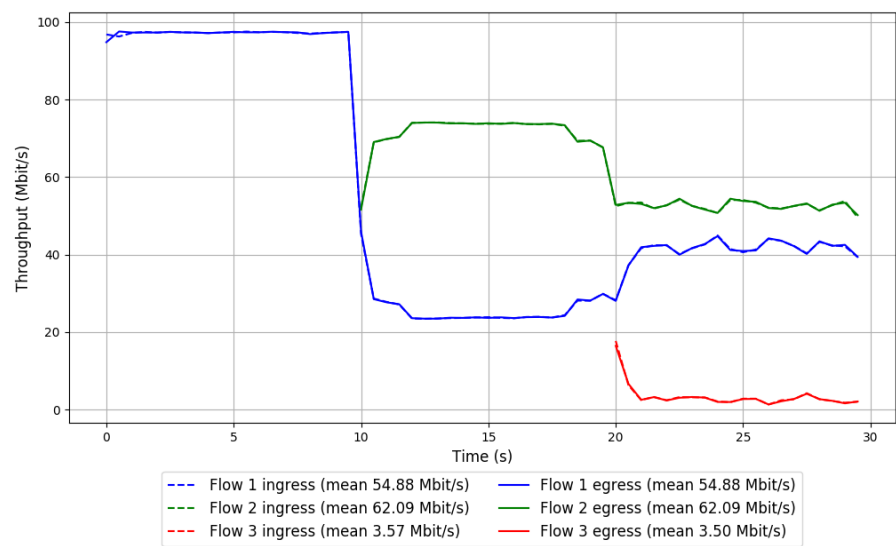


Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 15:36:31
End at: 2018-03-06 15:37:01
Local clock offset: -3.863 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-03-06 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.757 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 6.274 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 4.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 48.929 ms
Loss rate: 2.20%

Run 2: Report of TCP Vegas — Data Link

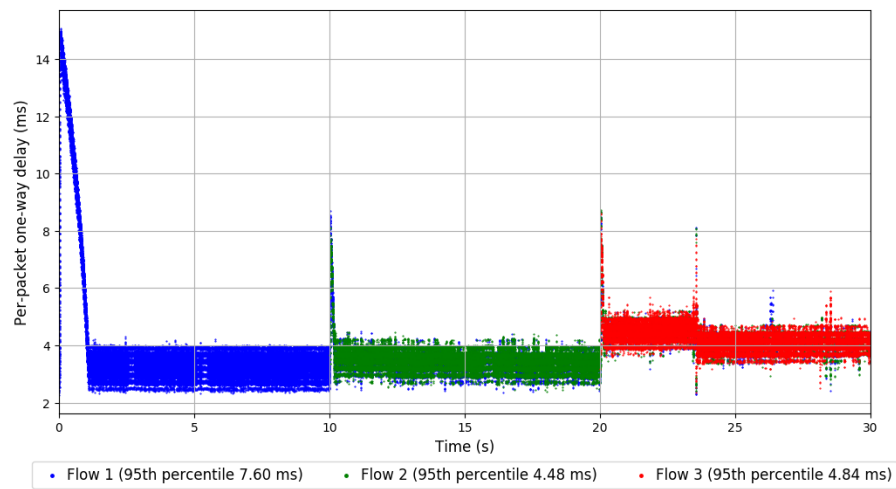
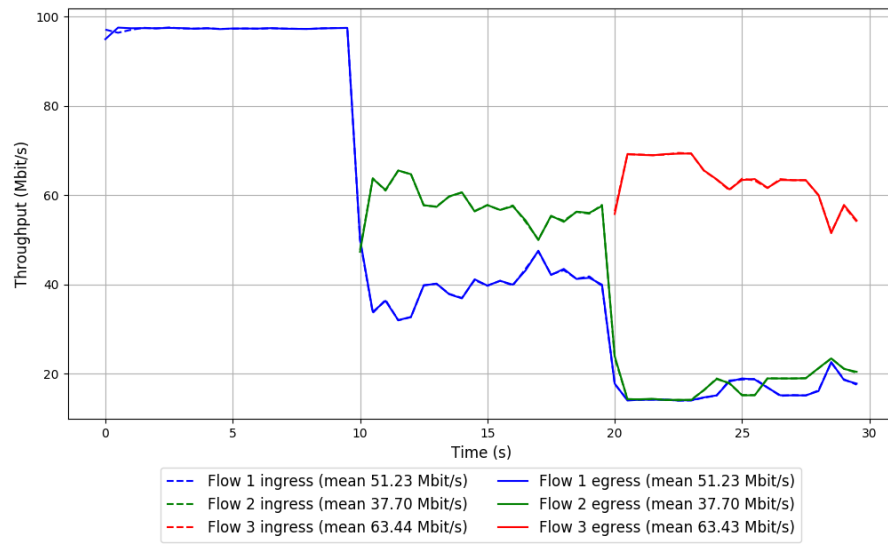


Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 15:57:03
End at: 2018-03-06 15:57:33
Local clock offset: -4.558 ms
Remote clock offset: -6.444 ms

Below is generated by plot.py at 2018-03-06 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 4.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 7.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 4.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 4.838 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

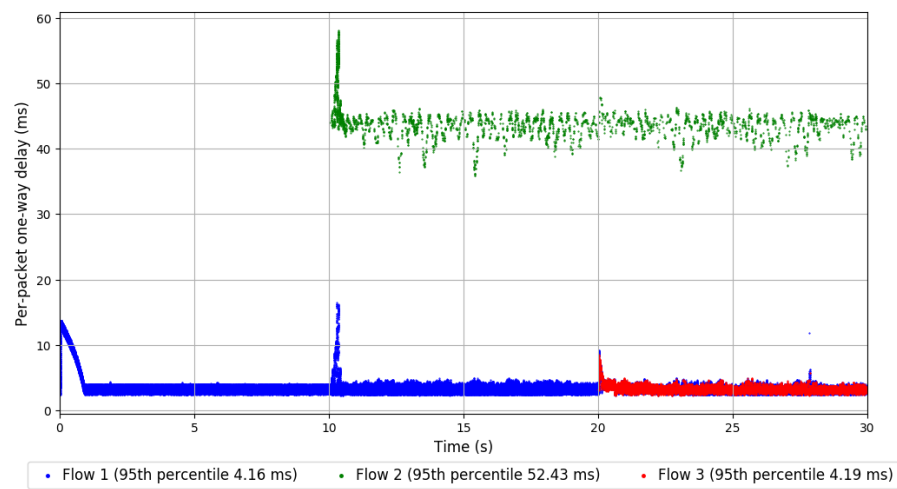
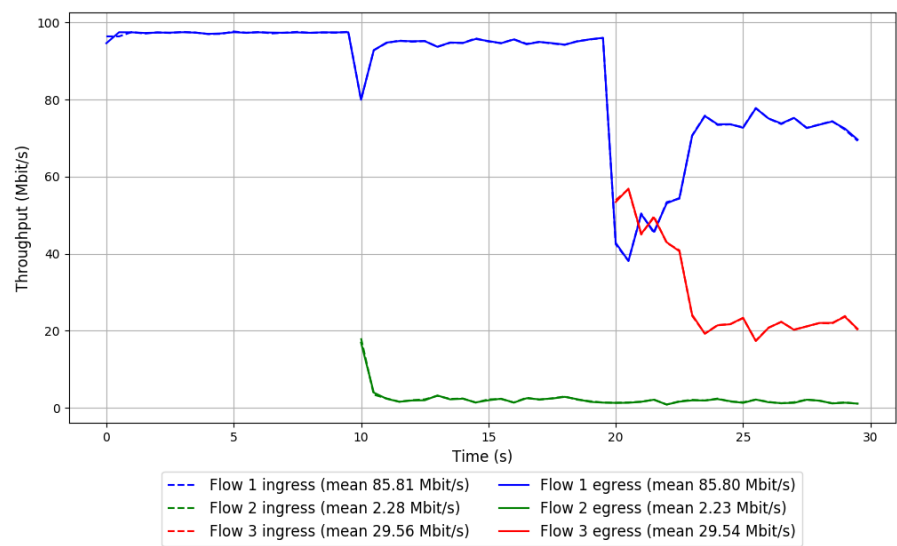


Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 16:17:37
End at: 2018-03-06 16:18:07
Local clock offset: -5.429 ms
Remote clock offset: -6.729 ms

Below is generated by plot.py at 2018-03-06 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 4.649 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 85.80 Mbit/s
95th percentile per-packet one-way delay: 4.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.432 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link

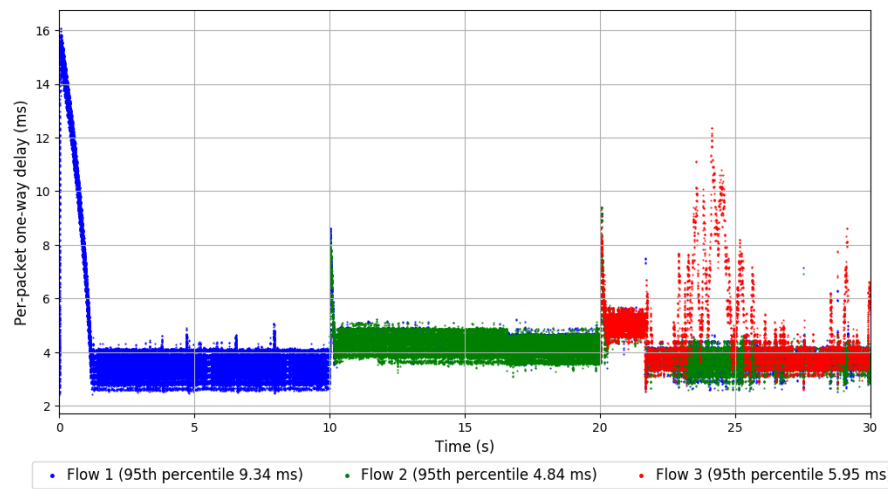
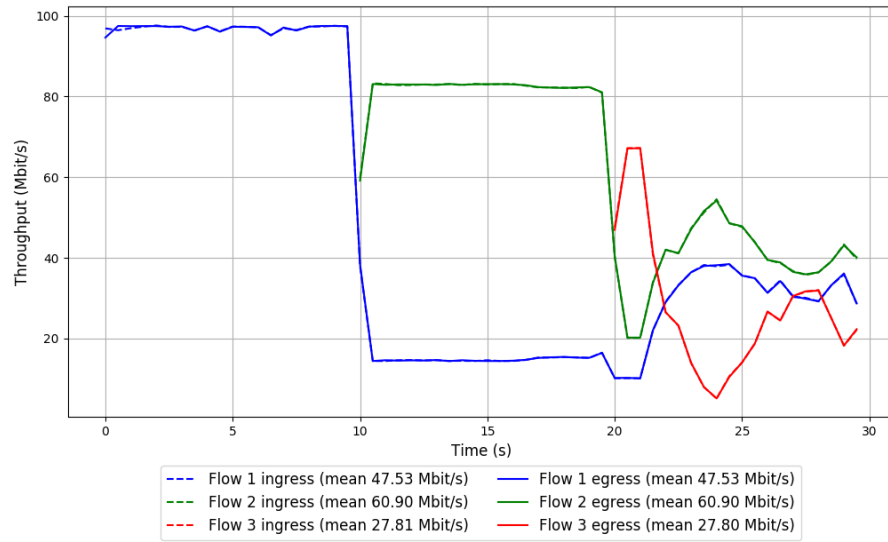


Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 16:38:08
End at: 2018-03-06 16:38:38
Local clock offset: -2.377 ms
Remote clock offset: -7.007 ms

Below is generated by plot.py at 2018-03-06 19:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 9.344 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 4.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 5.948 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

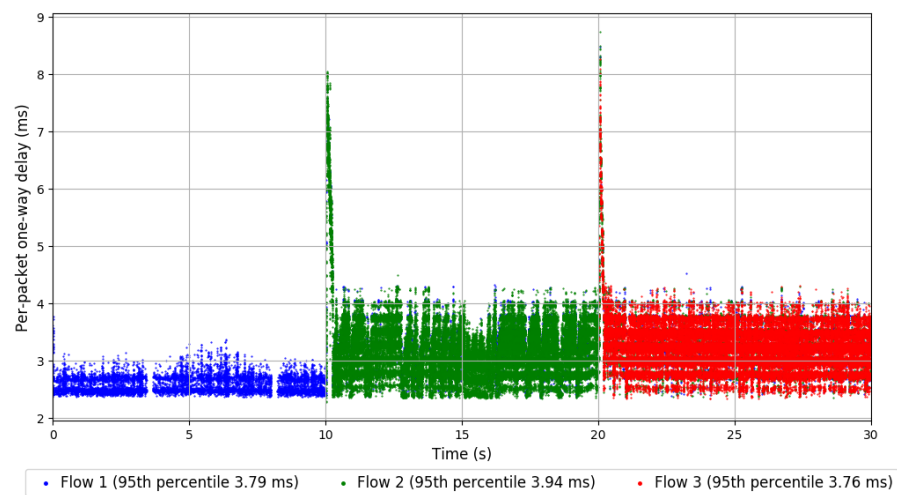
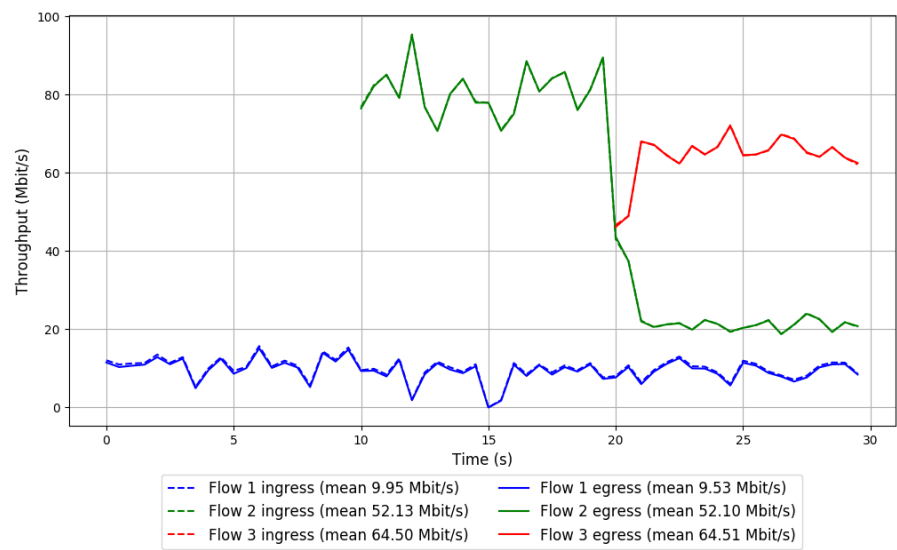


Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 16:58:42
End at: 2018-03-06 16:59:12
Local clock offset: -0.764 ms
Remote clock offset: -2.462 ms

Below is generated by plot.py at 2018-03-06 19:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 3.938 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 3.762 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 17:19:14

End at: 2018-03-06 17:19:44

Local clock offset: -4.148 ms

Remote clock offset: 0.918 ms

Below is generated by plot.py at 2018-03-06 19:16:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.80 Mbit/s

95th percentile per-packet one-way delay: 4.258 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 7.772 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.48 Mbit/s

95th percentile per-packet one-way delay: 4.002 ms

Loss rate: 0.00%

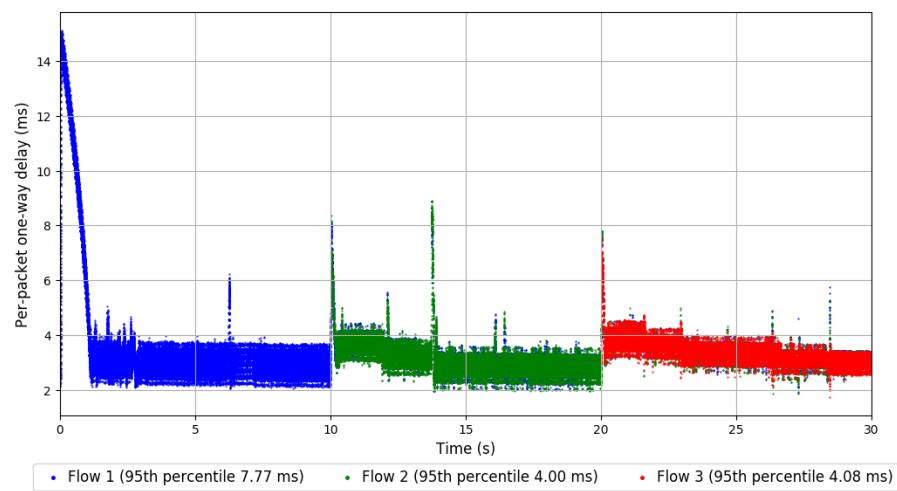
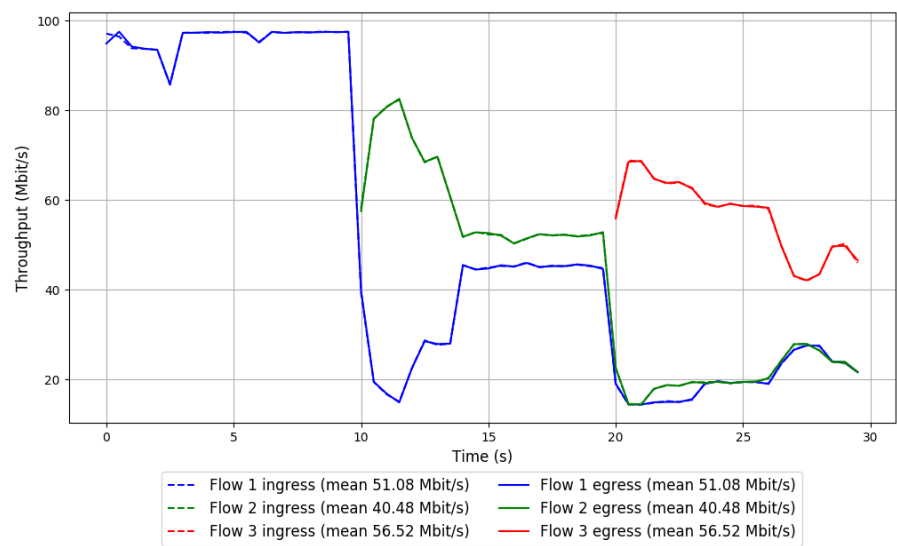
-- Flow 3:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 4.077 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

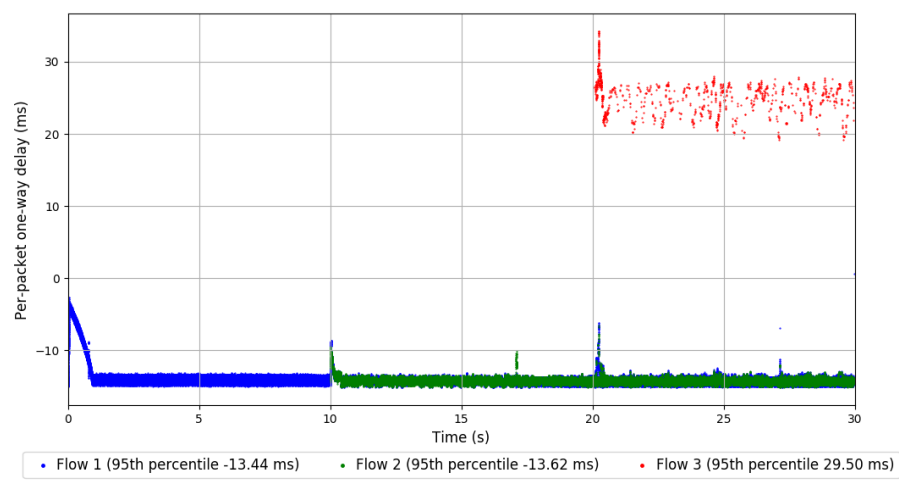
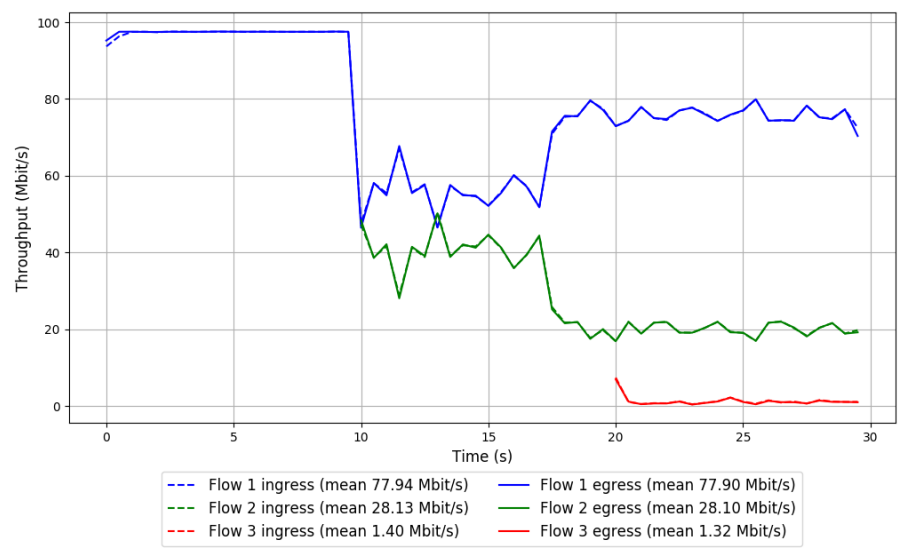


Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 17:39:48
End at: 2018-03-06 17:40:18
Local clock offset: -5.118 ms
Remote clock offset: -7.884 ms

Below is generated by plot.py at 2018-03-06 19:16:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: -13.450 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: -13.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: -13.624 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 29.499 ms
Loss rate: 5.63%

Run 8: Report of TCP Vegas — Data Link

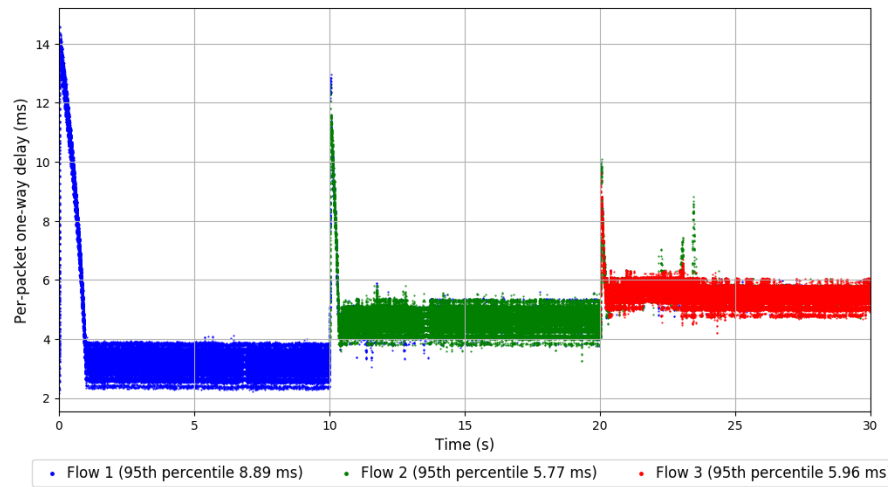
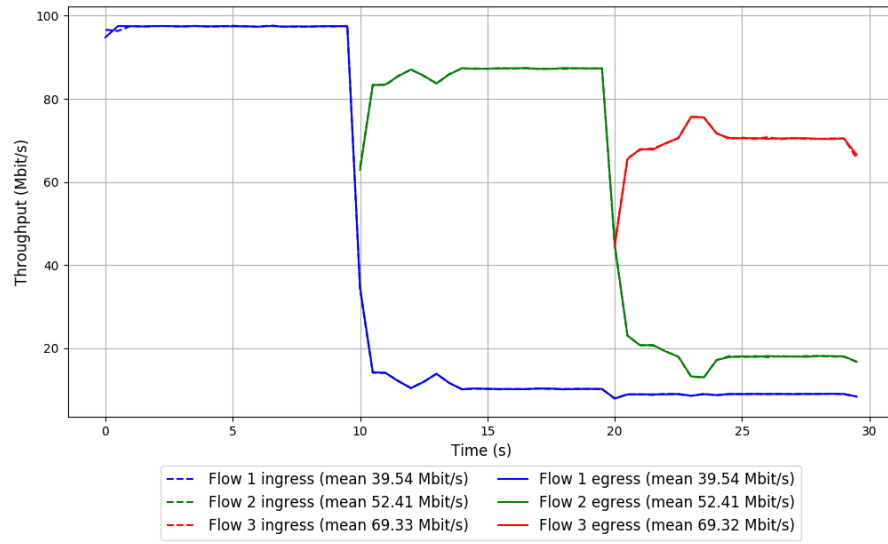


Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 18:00:19
End at: 2018-03-06 18:00:49
Local clock offset: -5.914 ms
Remote clock offset: 13.161 ms

Below is generated by plot.py at 2018-03-06 19:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 6.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 8.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 5.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.32 Mbit/s
95th percentile per-packet one-way delay: 5.963 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

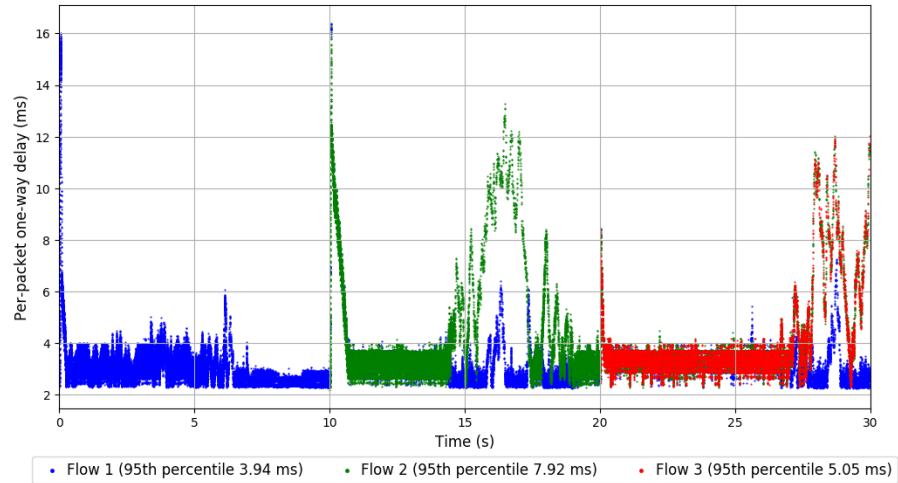
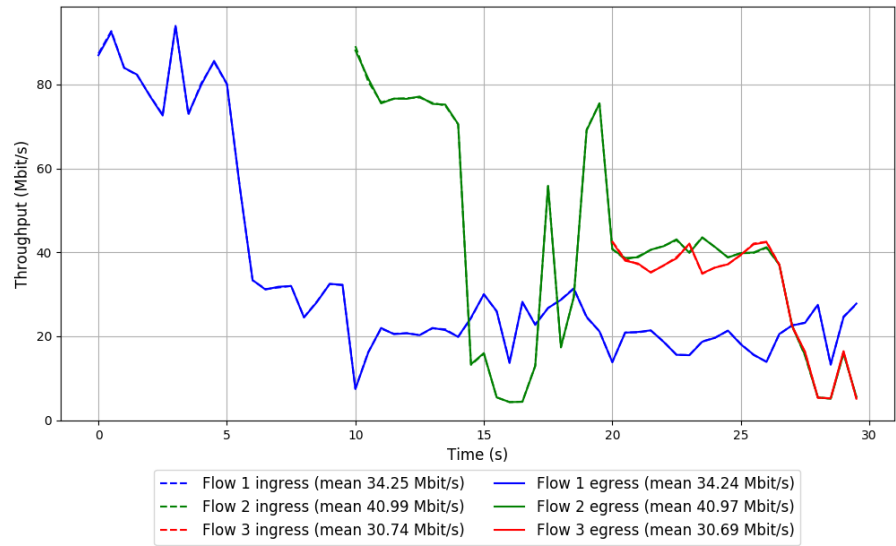


Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 18:20:52
End at: 2018-03-06 18:21:22
Local clock offset: -4.722 ms
Remote clock offset: 16.516 ms

Below is generated by plot.py at 2018-03-06 19:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 7.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 5.049 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

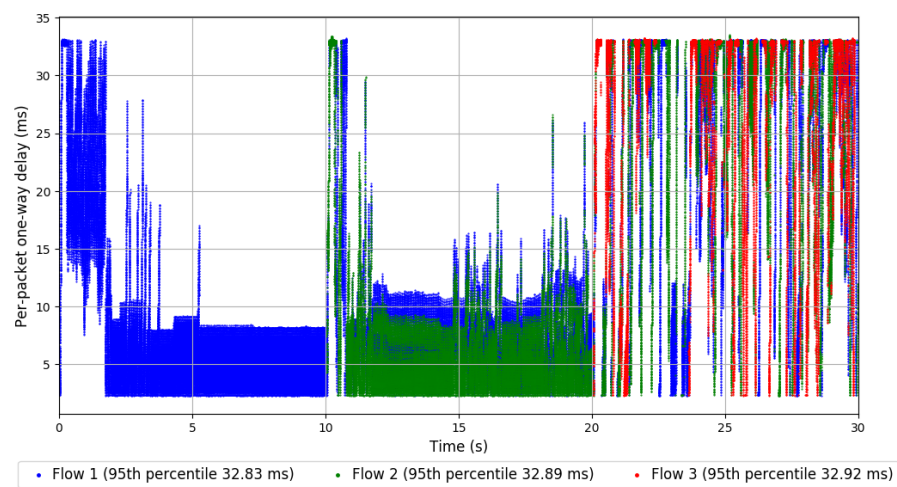
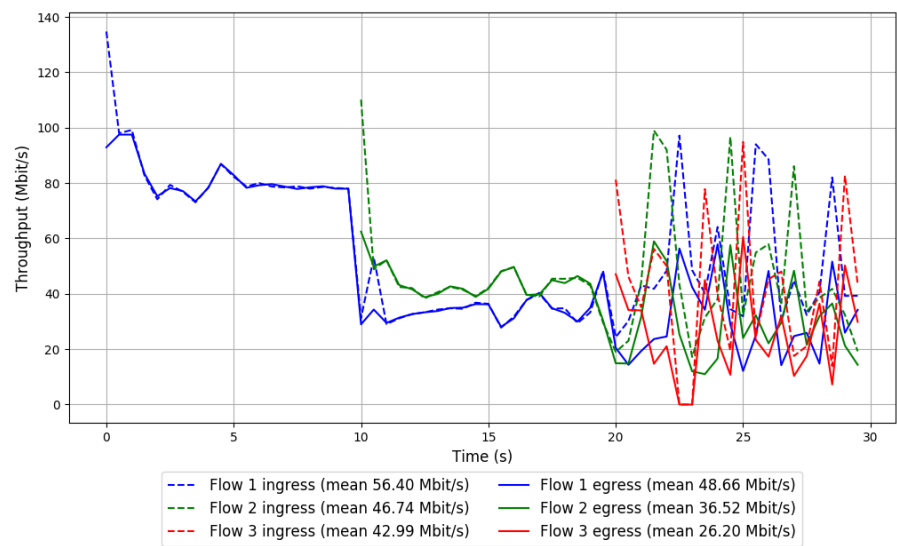


Run 1: Statistics of Verus

Start at: 2018-03-06 15:22:45
End at: 2018-03-06 15:23:15
Local clock offset: -3.76 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-03-06 19:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 32.882 ms
Loss rate: 19.65%
-- Flow 1:
Average throughput: 48.66 Mbit/s
95th percentile per-packet one-way delay: 32.829 ms
Loss rate: 13.64%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 32.892 ms
Loss rate: 21.84%
-- Flow 3:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 32.918 ms
Loss rate: 38.87%

Run 1: Report of Verus — Data Link

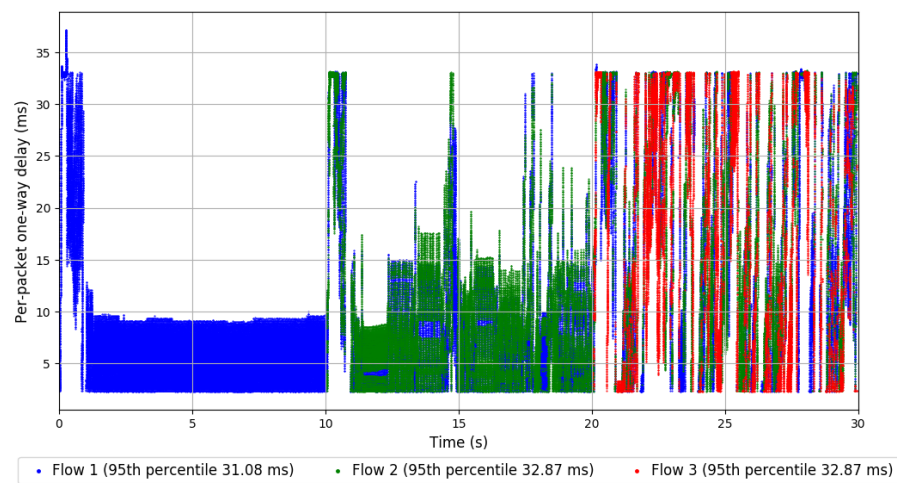
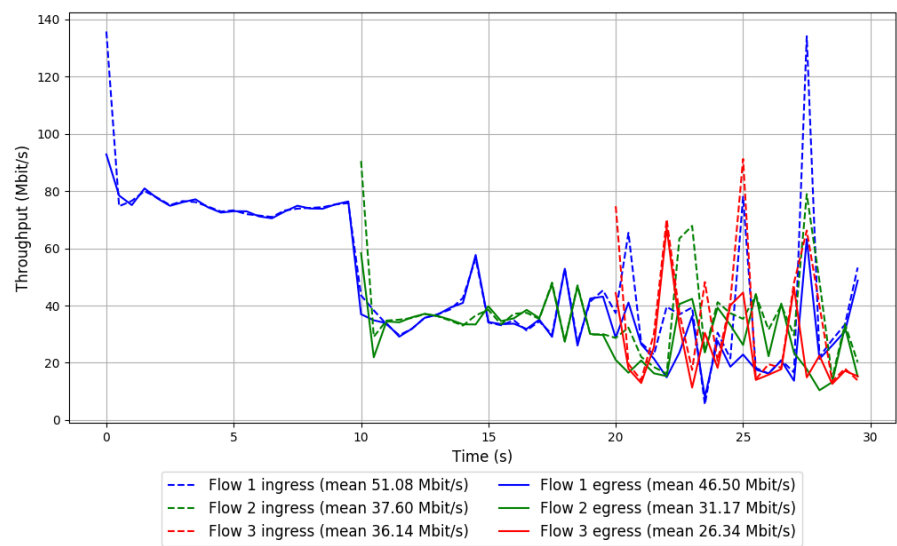


Run 2: Statistics of Verus

Start at: 2018-03-06 15:43:17
End at: 2018-03-06 15:43:47
Local clock offset: -3.877 ms
Remote clock offset: -6.385 ms

Below is generated by plot.py at 2018-03-06 19:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.90 Mbit/s
95th percentile per-packet one-way delay: 32.707 ms
Loss rate: 13.66%
-- Flow 1:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 8.87%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 32.868 ms
Loss rate: 17.00%
-- Flow 3:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 27.11%

Run 2: Report of Verus — Data Link

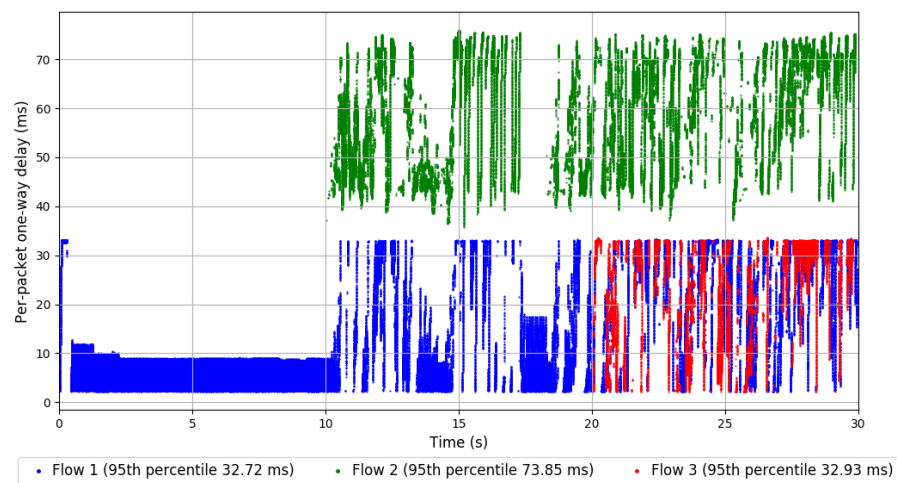
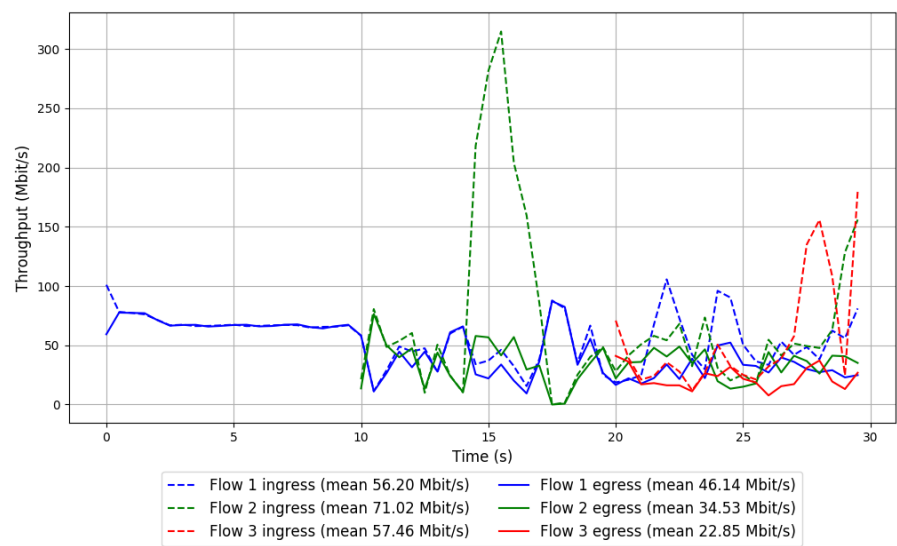


Run 3: Statistics of Verus

Start at: 2018-03-06 16:03:47
End at: 2018-03-06 16:04:17
Local clock offset: -4.969 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-03-06 19:17:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 71.254 ms
Loss rate: 37.38%
-- Flow 1:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 32.722 ms
Loss rate: 17.82%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 73.851 ms
Loss rate: 51.61%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 32.931 ms
Loss rate: 60.13%

Run 3: Report of Verus — Data Link

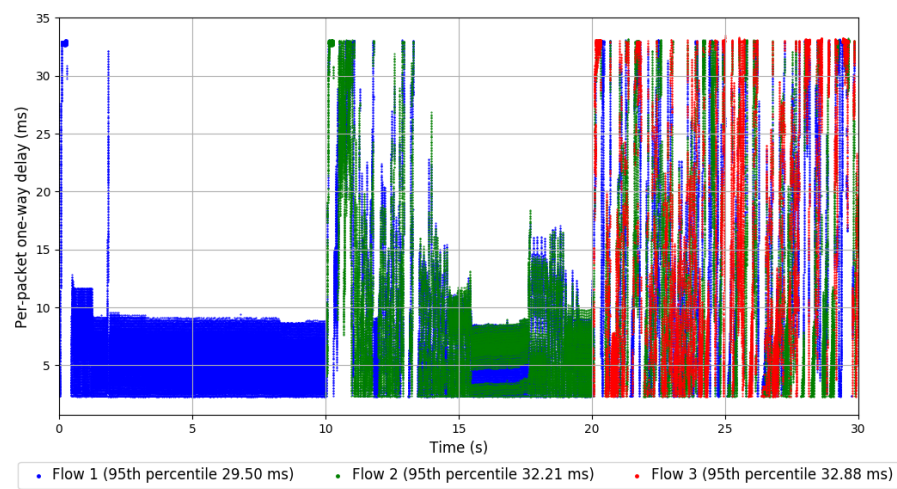
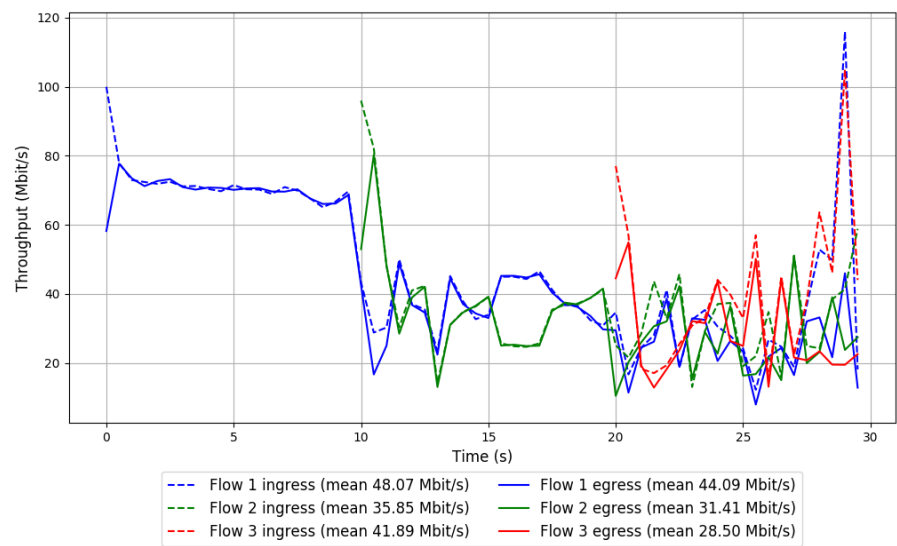


Run 4: Statistics of Verus

Start at: 2018-03-06 16:24:20
End at: 2018-03-06 16:24:50
Local clock offset: -5.548 ms
Remote clock offset: -6.841 ms

Below is generated by plot.py at 2018-03-06 19:17:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.29 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 13.17%
-- Flow 1:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 29.501 ms
Loss rate: 8.19%
-- Flow 2:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 32.210 ms
Loss rate: 12.31%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 32.885 ms
Loss rate: 31.83%

Run 4: Report of Verus — Data Link

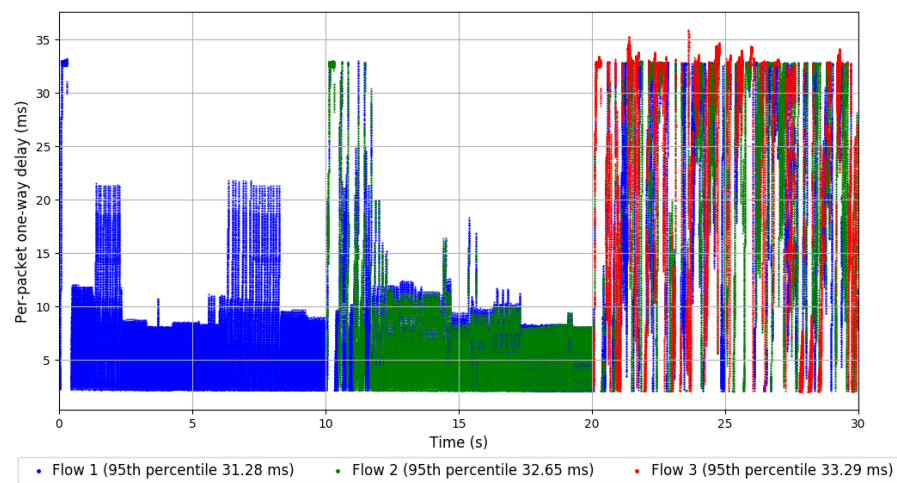
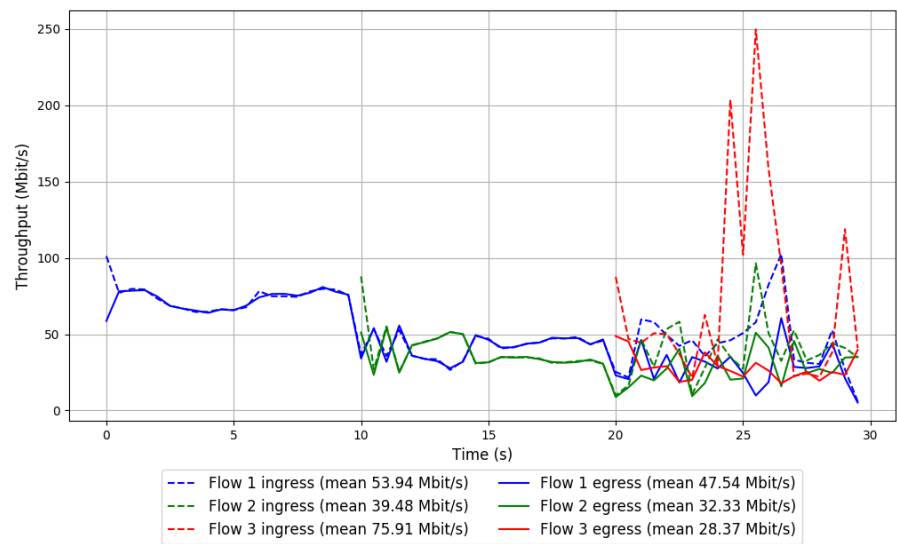


Run 5: Statistics of Verus

Start at: 2018-03-06 16:44:54
End at: 2018-03-06 16:45:24
Local clock offset: -1.559 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-03-06 19:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 32.655 ms
Loss rate: 25.50%
-- Flow 1:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 31.284 ms
Loss rate: 11.85%
-- Flow 2:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 18.07%
-- Flow 3:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 33.292 ms
Loss rate: 62.59%

Run 5: Report of Verus — Data Link

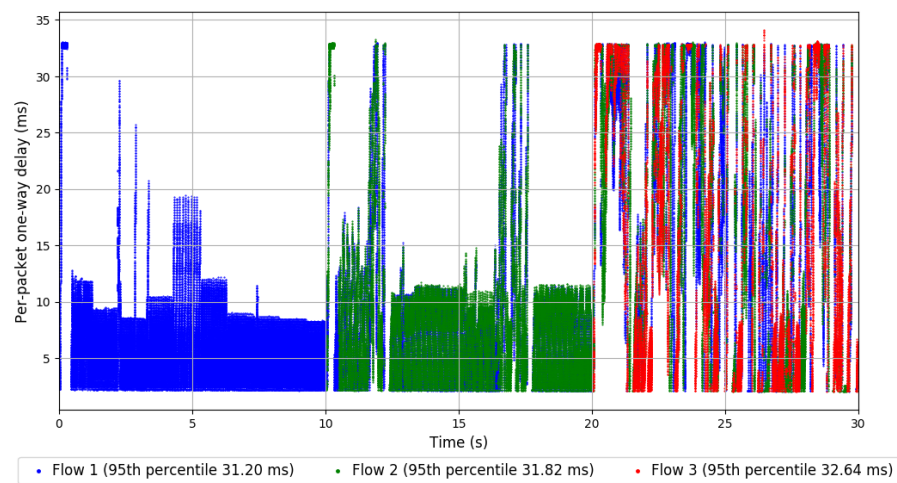
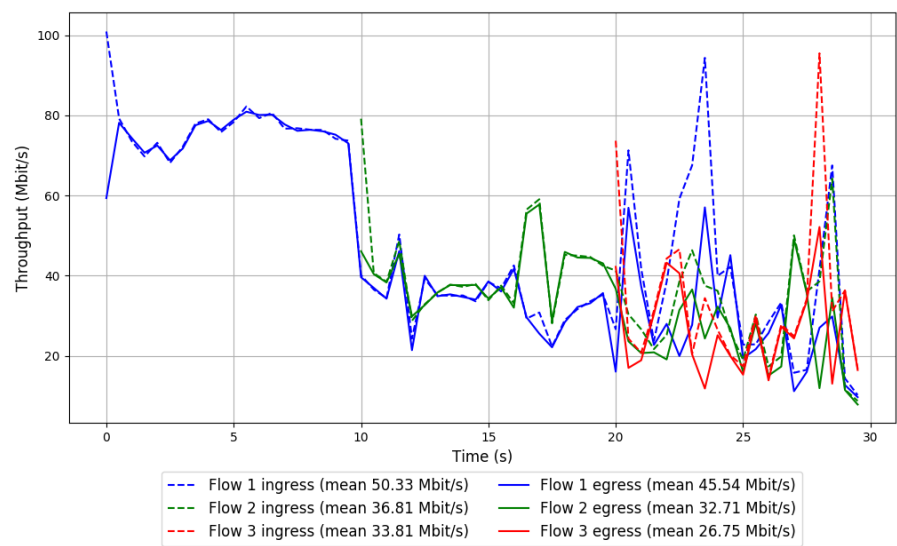


Run 6: Statistics of Verus

Start at: 2018-03-06 17:05:27
End at: 2018-03-06 17:05:57
Local clock offset: -2.284 ms
Remote clock offset: -1.656 ms

Below is generated by plot.py at 2018-03-06 19:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 32.214 ms
Loss rate: 11.47%
-- Flow 1:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 9.52%
-- Flow 2:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 31.816 ms
Loss rate: 11.17%
-- Flow 3:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 32.643 ms
Loss rate: 20.85%

Run 6: Report of Verus — Data Link

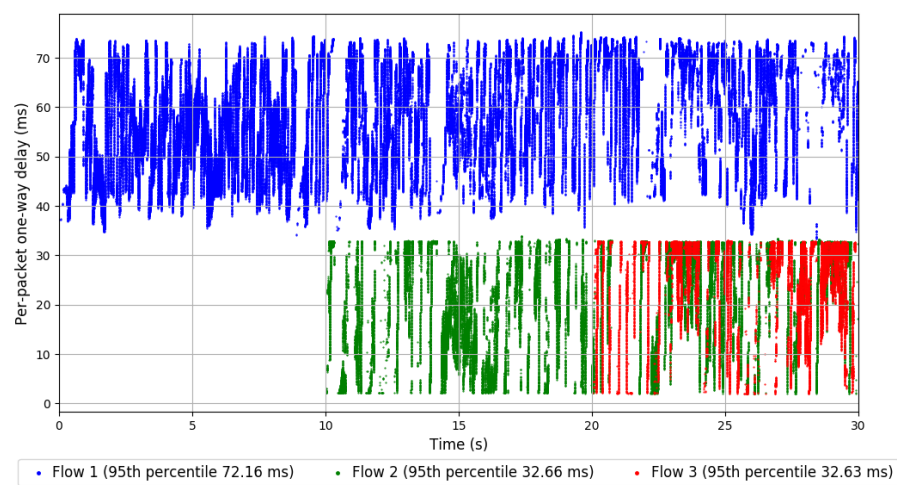
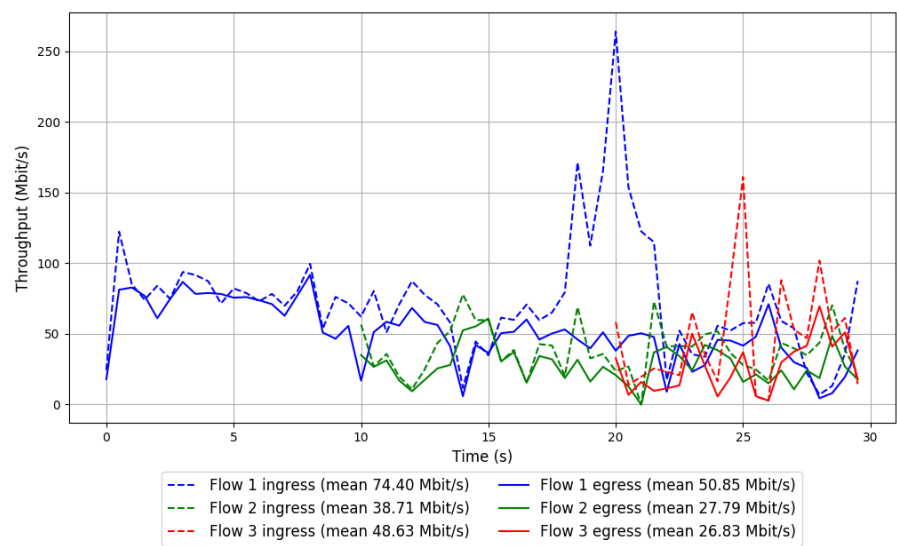


Run 7: Statistics of Verus

Start at: 2018-03-06 17:26:00
End at: 2018-03-06 17:26:30
Local clock offset: -4.552 ms
Remote clock offset: 5.109 ms

```
# Below is generated by plot.py at 2018-03-06 19:17:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 71.380 ms
Loss rate: 32.62%
-- Flow 1:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 72.161 ms
Loss rate: 31.59%
-- Flow 2:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 32.662 ms
Loss rate: 28.15%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 32.633 ms
Loss rate: 44.66%
```

Run 7: Report of Verus — Data Link

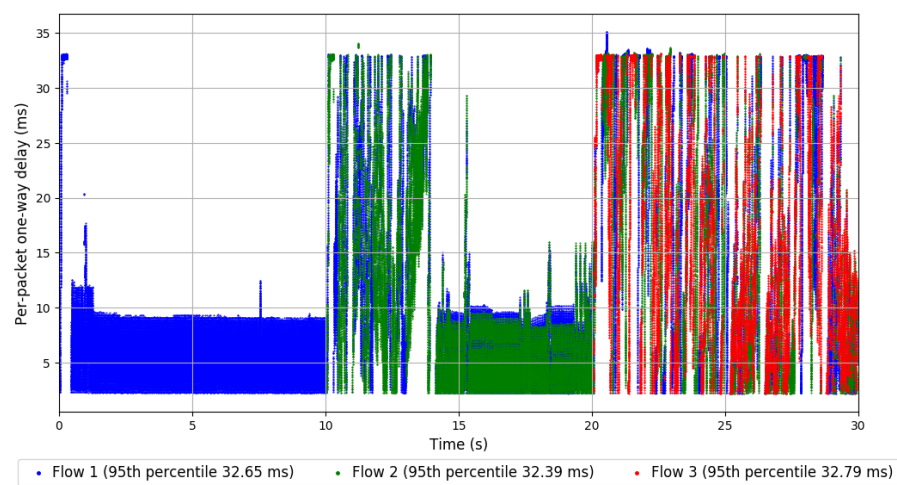
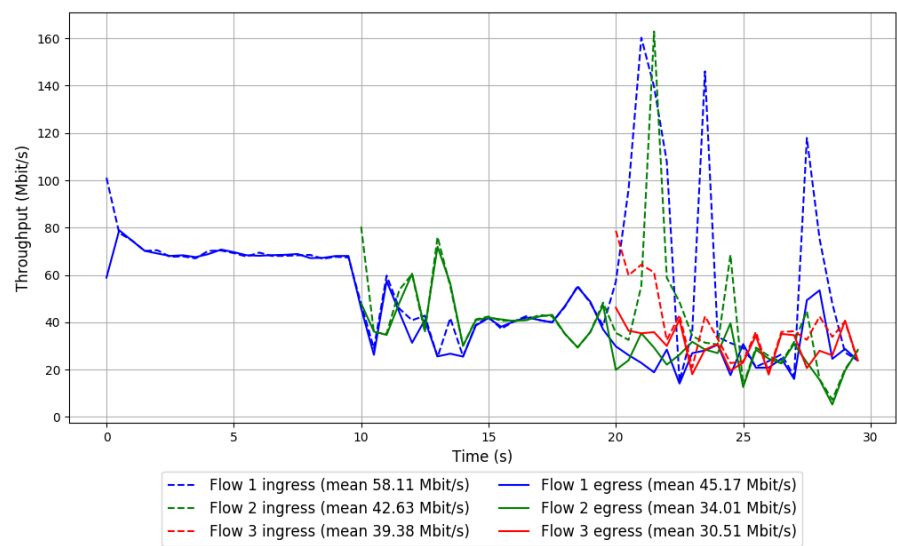


Run 8: Statistics of Verus

Start at: 2018-03-06 17:46:32
End at: 2018-03-06 17:47:02
Local clock offset: -5.471 ms
Remote clock offset: 10.798 ms

Below is generated by plot.py at 2018-03-06 19:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 32.750 ms
Loss rate: 21.70%
-- Flow 1:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 22.25%
-- Flow 2:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 20.21%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 32.794 ms
Loss rate: 22.53%

Run 8: Report of Verus — Data Link

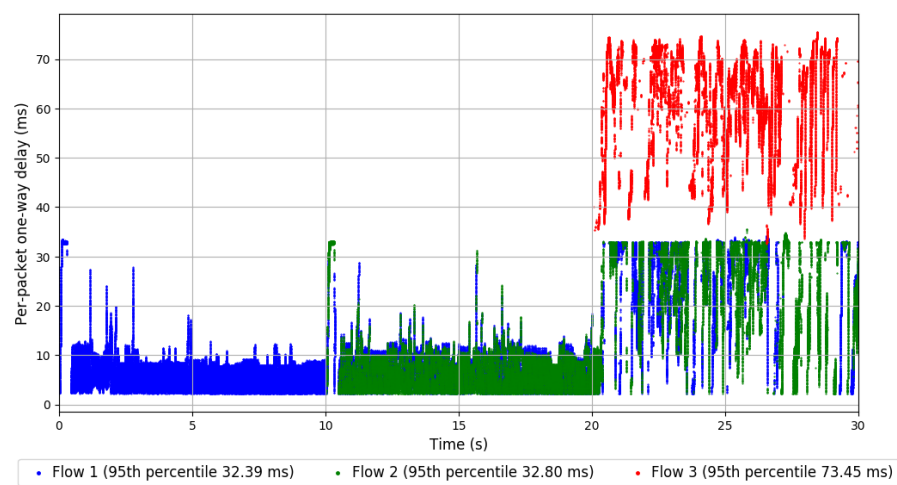
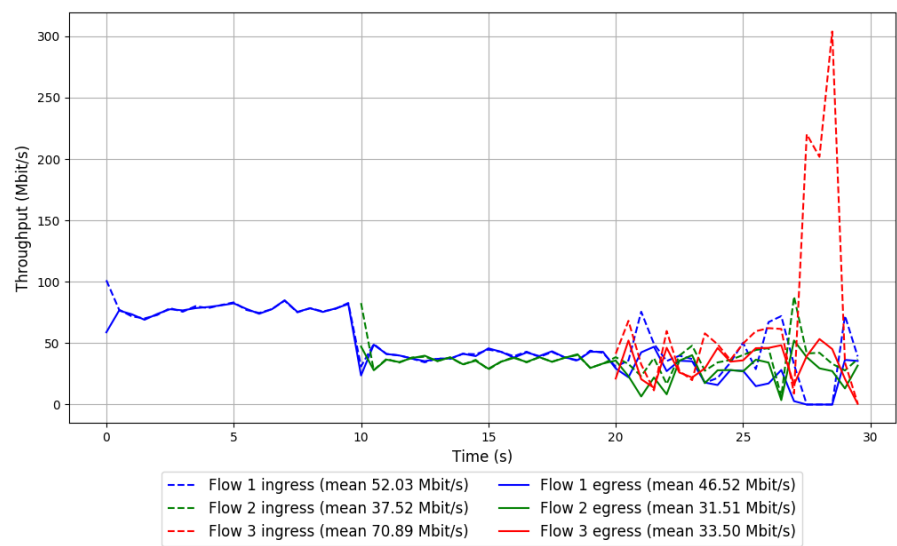


Run 9: Statistics of Verus

Start at: 2018-03-06 18:07:06
End at: 2018-03-06 18:07:36
Local clock offset: -6.148 ms
Remote clock offset: 14.328 ms

Below is generated by plot.py at 2018-03-06 19:18:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 67.416 ms
Loss rate: 21.73%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 10.51%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 32.803 ms
Loss rate: 15.91%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 73.455 ms
Loss rate: 52.77%

Run 9: Report of Verus — Data Link

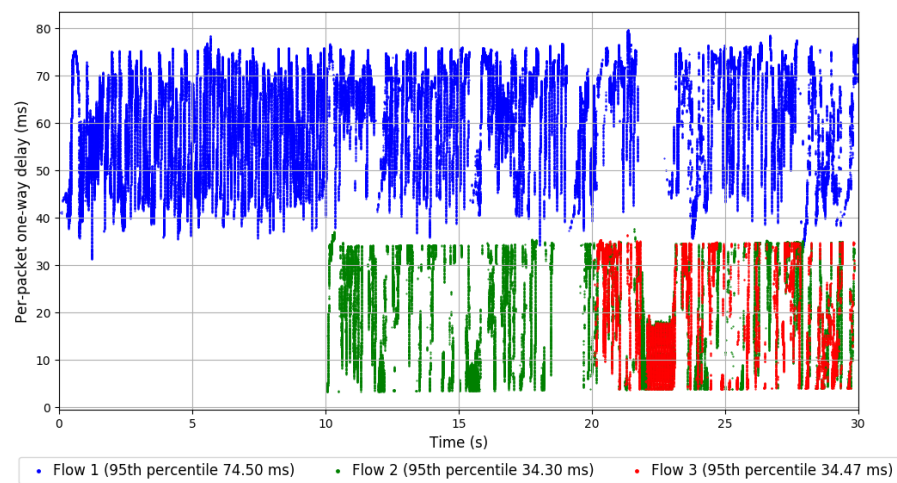
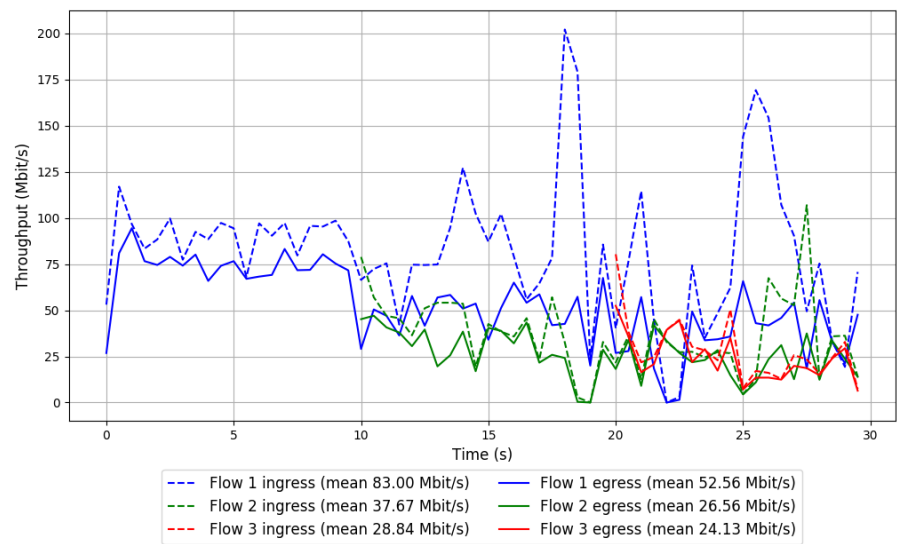


Run 10: Statistics of Verus

Start at: 2018-03-06 18:27:36
End at: 2018-03-06 18:28:06
Local clock offset: -4.489 ms
Remote clock offset: 12.069 ms

Below is generated by plot.py at 2018-03-06 19:18:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 73.745 ms
Loss rate: 33.52%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 74.495 ms
Loss rate: 36.70%
-- Flow 2:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 34.298 ms
Loss rate: 29.42%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 34.473 ms
Loss rate: 16.33%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-06 15:10:11

End at: 2018-03-06 15:10:41

Local clock offset: -3.658 ms

Remote clock offset: -6.31 ms

Below is generated by plot.py at 2018-03-06 19:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 7.083 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 6.471 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.23 Mbit/s

95th percentile per-packet one-way delay: 7.193 ms

Loss rate: 0.01%

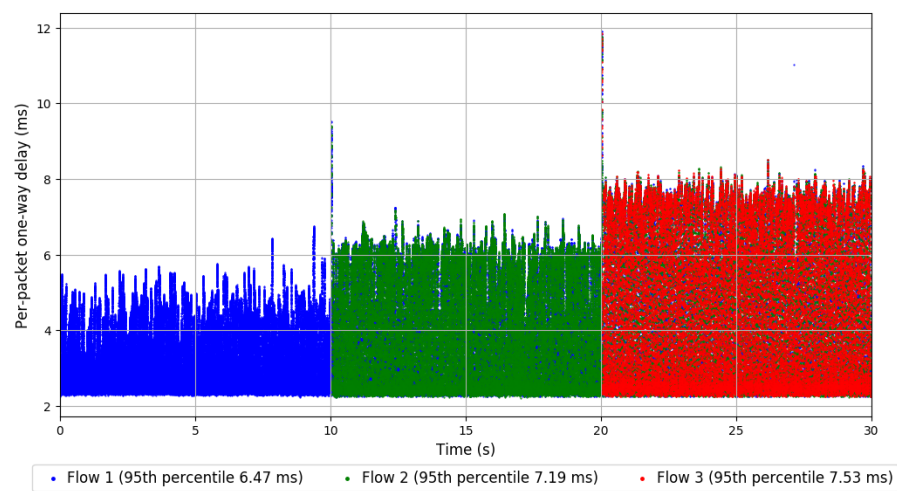
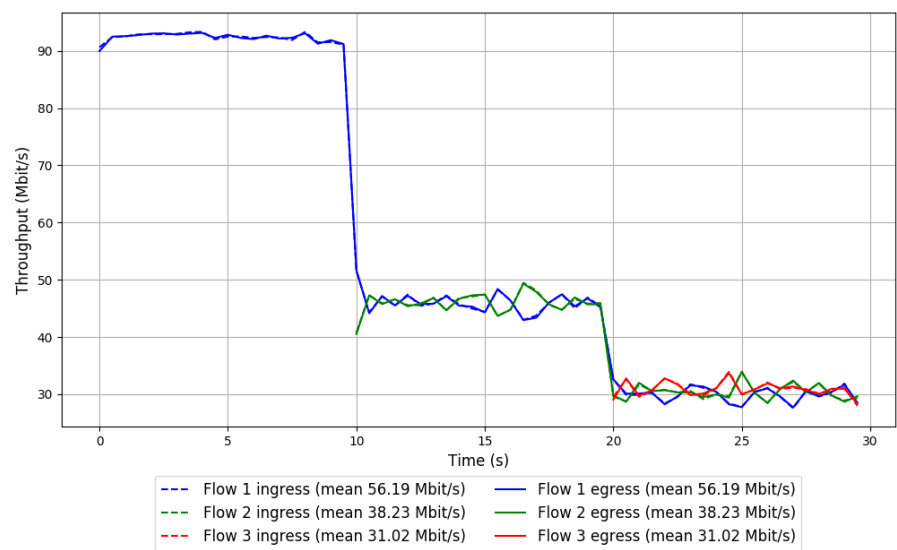
-- Flow 3:

Average throughput: 31.02 Mbit/s

95th percentile per-packet one-way delay: 7.534 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

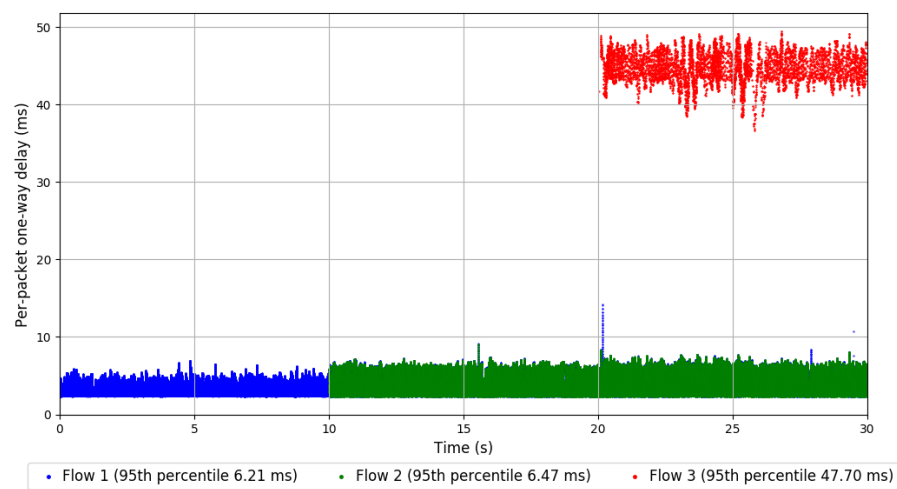
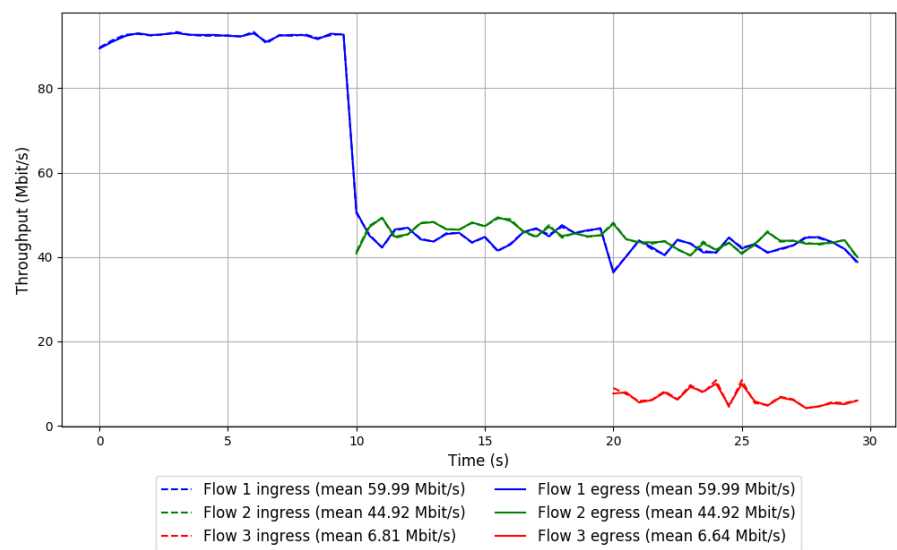


Run 2: Statistics of Copa

Start at: 2018-03-06 15:30:43
End at: 2018-03-06 15:31:13
Local clock offset: -3.858 ms
Remote clock offset: -6.299 ms

Below is generated by plot.py at 2018-03-06 19:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 6.548 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 6.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 6.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 47.699 ms
Loss rate: 2.87%

Run 2: Report of Copa — Data Link

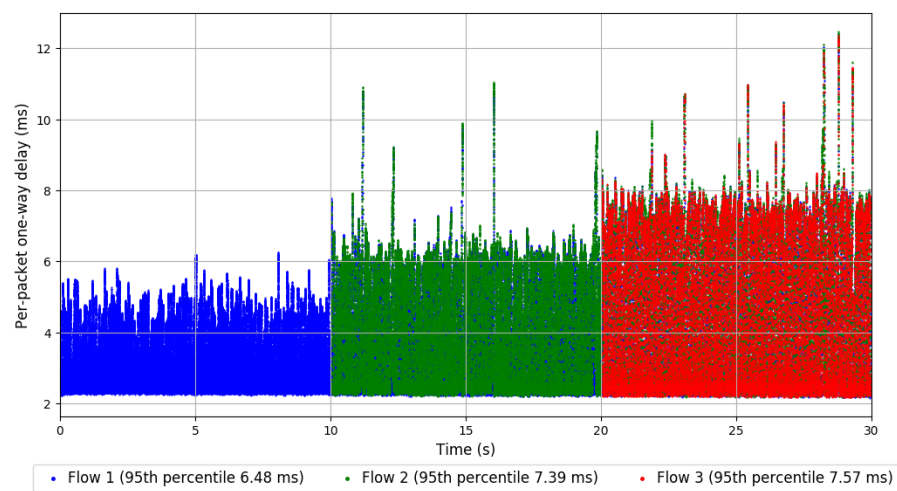
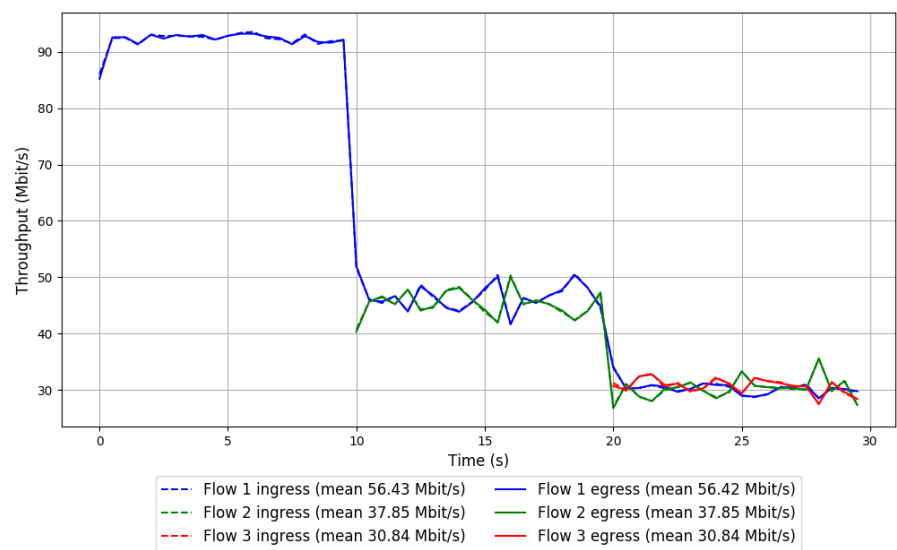


Run 3: Statistics of Copa

Start at: 2018-03-06 15:51:16
End at: 2018-03-06 15:51:46
Local clock offset: -3.859 ms
Remote clock offset: -6.479 ms

Below is generated by plot.py at 2018-03-06 19:19:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 7.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 6.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 7.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 7.574 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

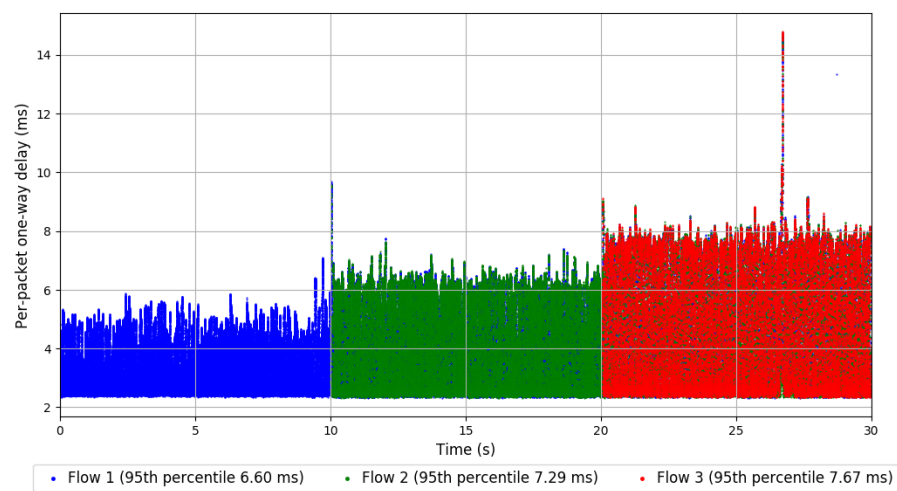
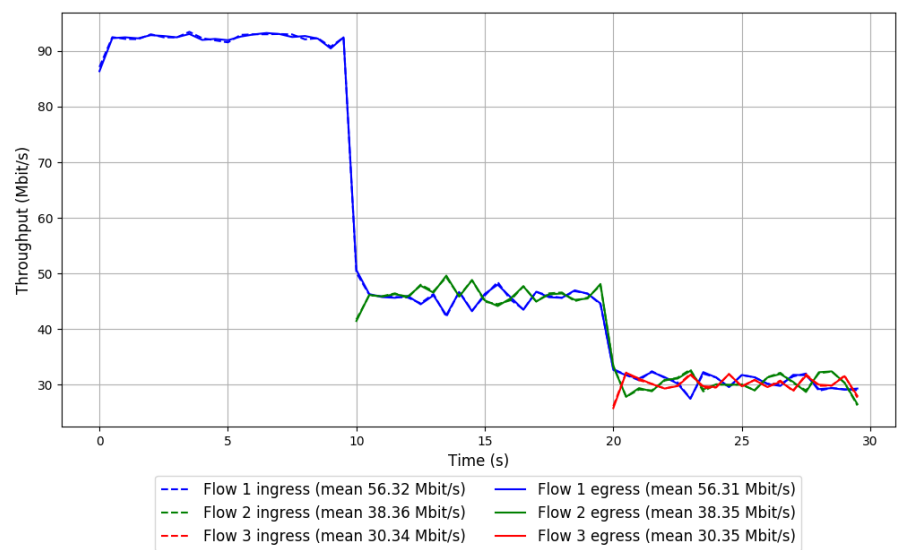


Run 4: Statistics of Copa

Start at: 2018-03-06 16:11:48
End at: 2018-03-06 16:12:18
Local clock offset: -5.278 ms
Remote clock offset: -6.547 ms

```
# Below is generated by plot.py at 2018-03-06 19:19:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 7.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 6.601 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 7.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 7.674 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

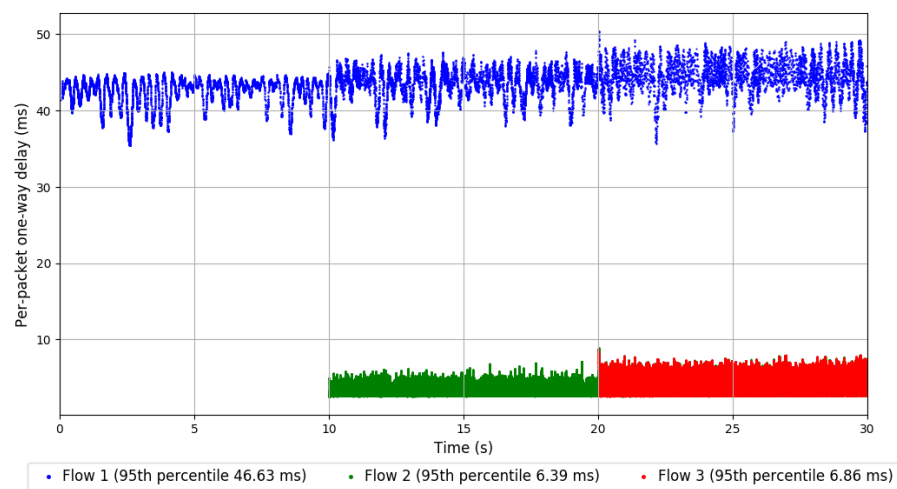
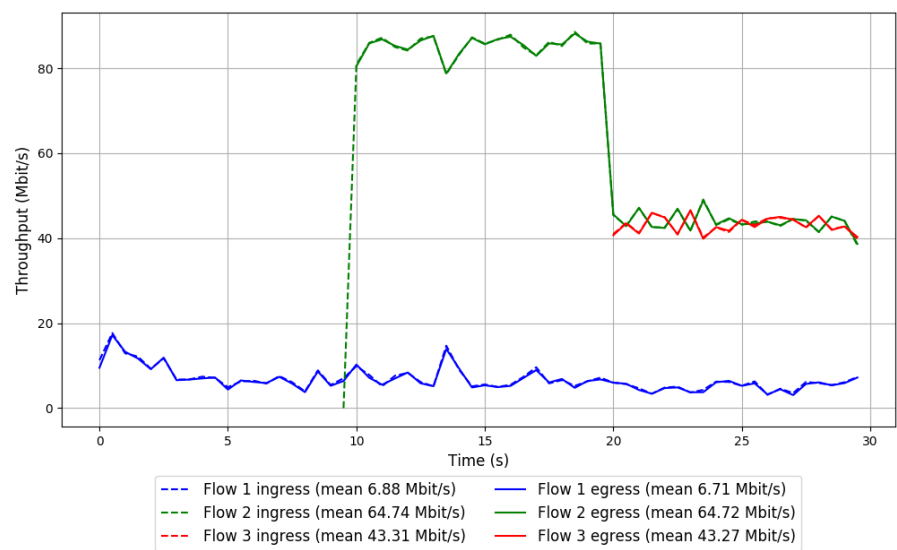


Run 5: Statistics of Copa

Start at: 2018-03-06 16:32:17
End at: 2018-03-06 16:32:47
Local clock offset: -3.499 ms
Remote clock offset: -6.931 ms

Below is generated by plot.py at 2018-03-06 19:19:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 43.628 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 46.626 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 6.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.27 Mbit/s
95th percentile per-packet one-way delay: 6.863 ms
Loss rate: 0.06%

Run 5: Report of Copa — Data Link

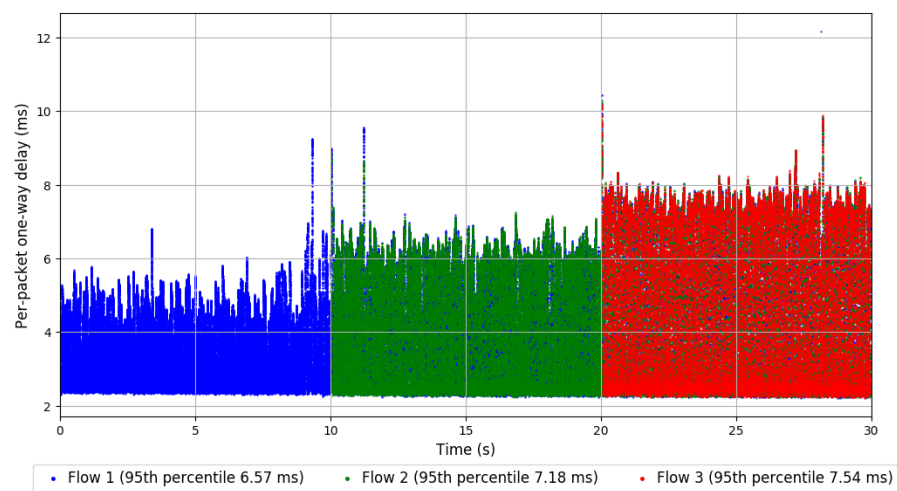
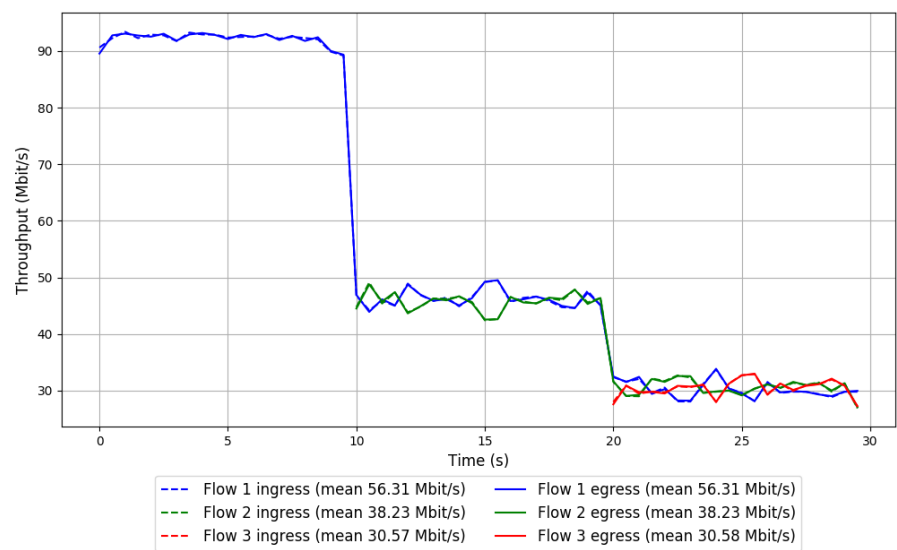


Run 6: Statistics of Copa

Start at: 2018-03-06 16:52:53
End at: 2018-03-06 16:53:23
Local clock offset: -0.995 ms
Remote clock offset: -3.515 ms

Below is generated by plot.py at 2018-03-06 19:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 7.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 6.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 7.182 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 7.541 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

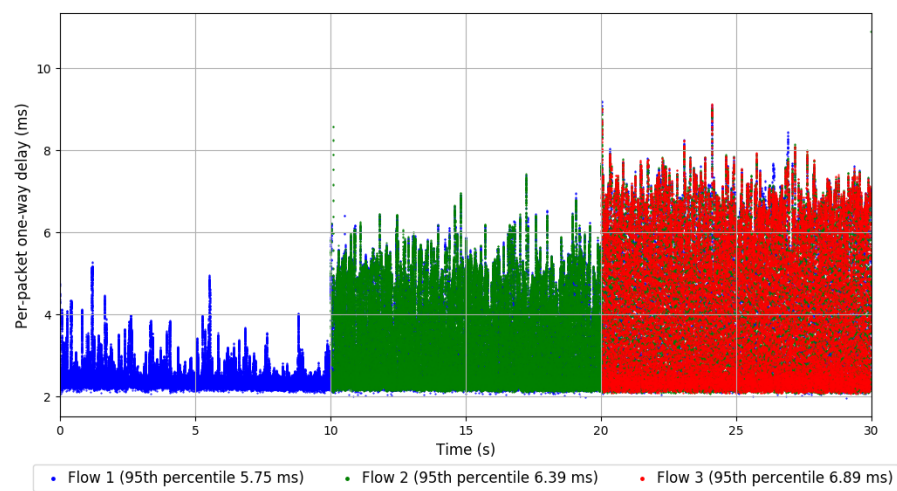
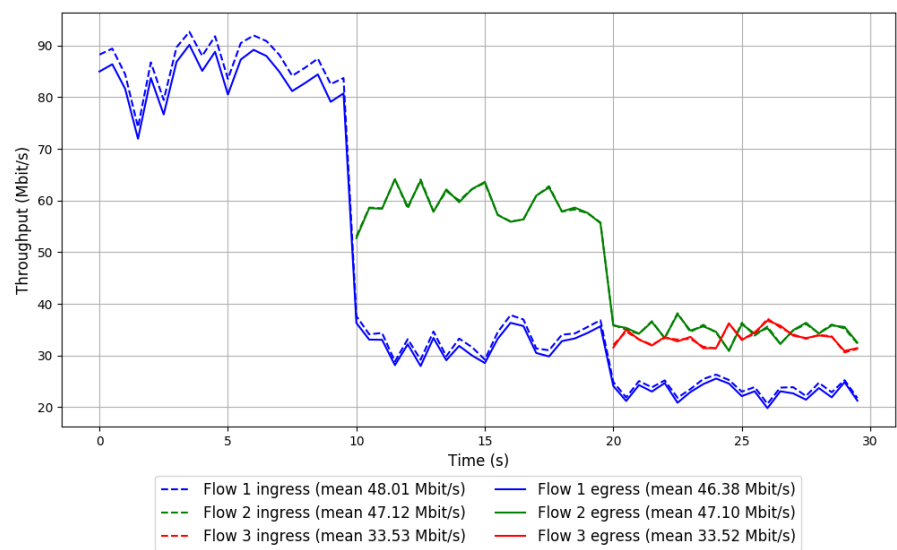


Run 7: Statistics of Copa

Start at: 2018-03-06 17:13:26
End at: 2018-03-06 17:13:56
Local clock offset: -3.59 ms
Remote clock offset: -1.077 ms

Below is generated by plot.py at 2018-03-06 19:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 6.357 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 6.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 6.886 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-06 17:33:59

End at: 2018-03-06 17:34:29

Local clock offset: -4.886 ms

Remote clock offset: 7.952 ms

Below is generated by plot.py at 2018-03-06 19:20:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 6.966 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 6.358 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.26 Mbit/s

95th percentile per-packet one-way delay: 7.101 ms

Loss rate: 0.00%

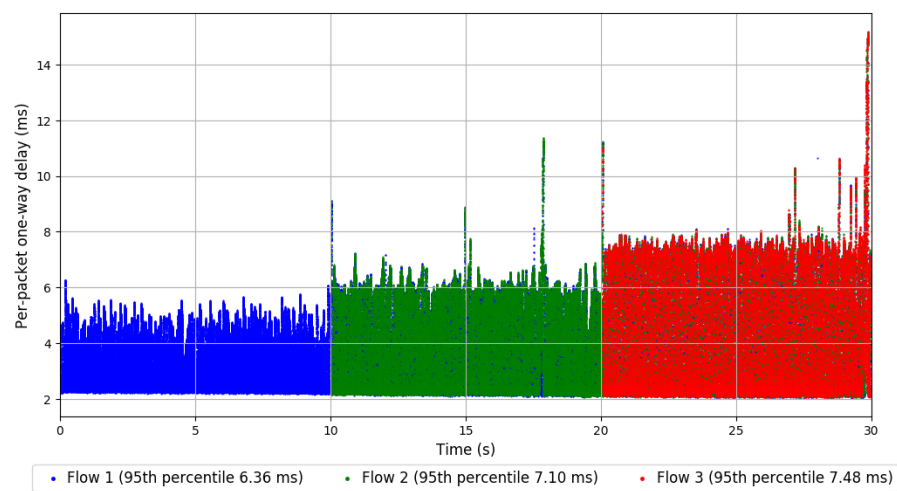
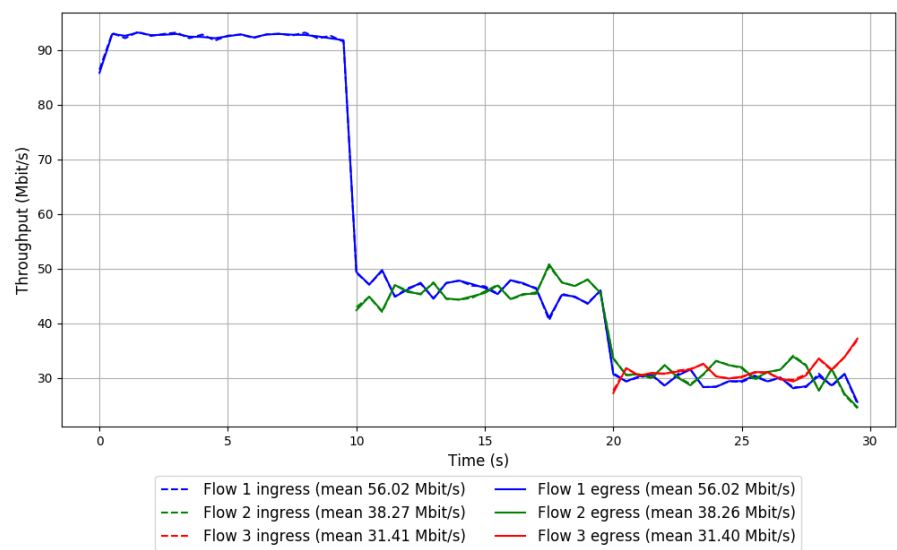
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 7.480 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

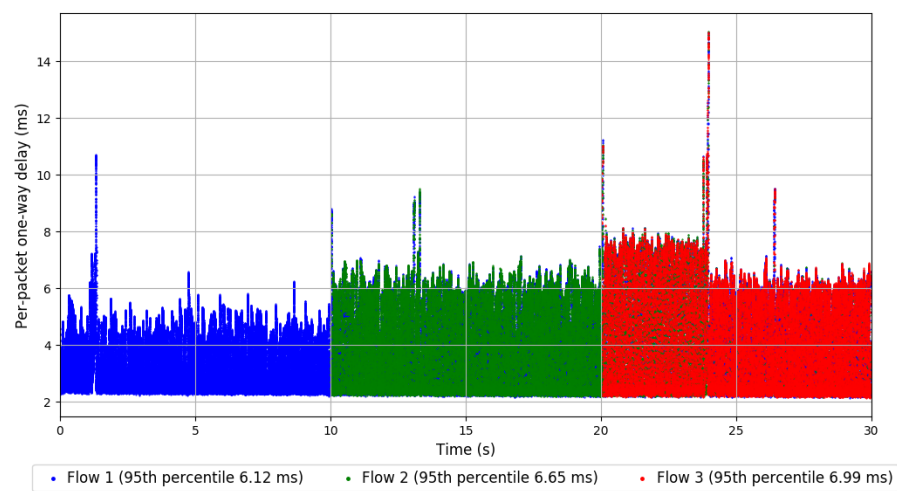
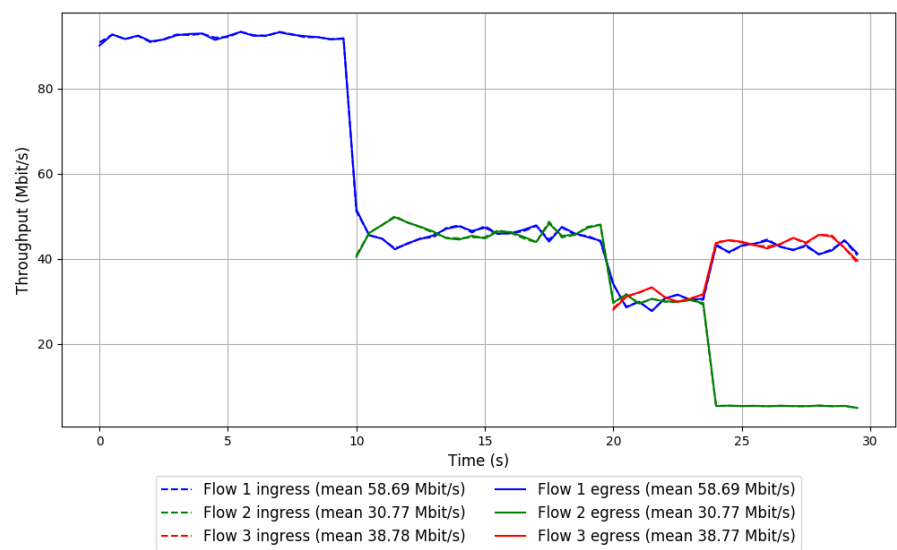


Run 9: Statistics of Copa

Start at: 2018-03-06 17:54:31
End at: 2018-03-06 17:55:01
Local clock offset: -5.7 ms
Remote clock offset: 12.219 ms

```
# Below is generated by plot.py at 2018-03-06 19:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 6.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 6.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 6.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 6.986 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

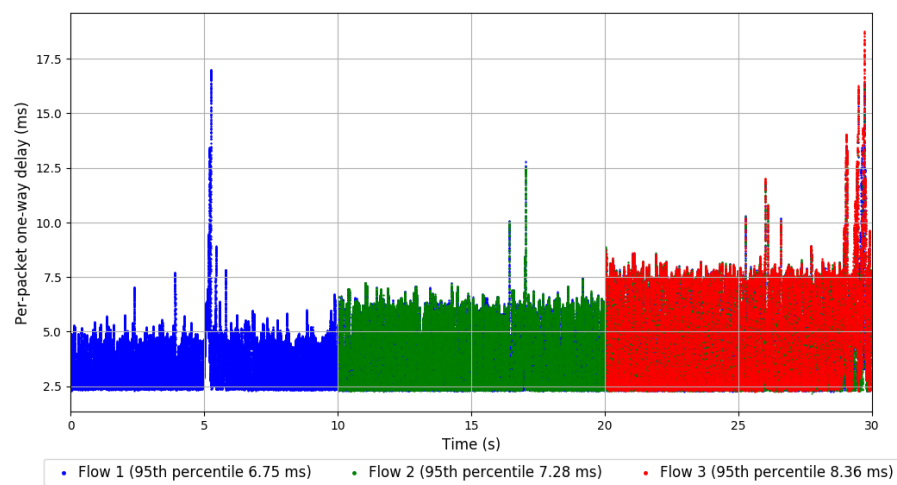
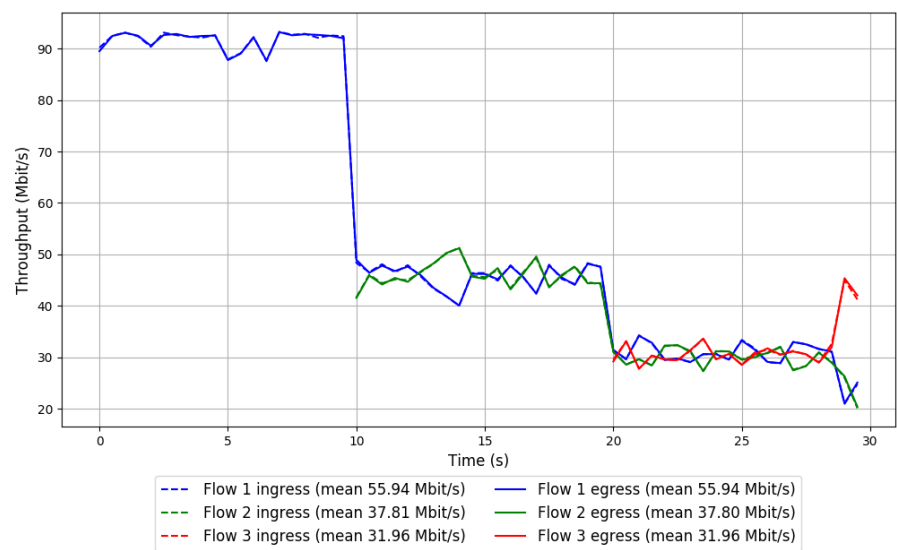


Run 10: Statistics of Copa

Start at: 2018-03-06 18:15:03
End at: 2018-03-06 18:15:33
Local clock offset: -5.133 ms
Remote clock offset: 15.555 ms

Below is generated by plot.py at 2018-03-06 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 7.272 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 6.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 7.275 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 8.358 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

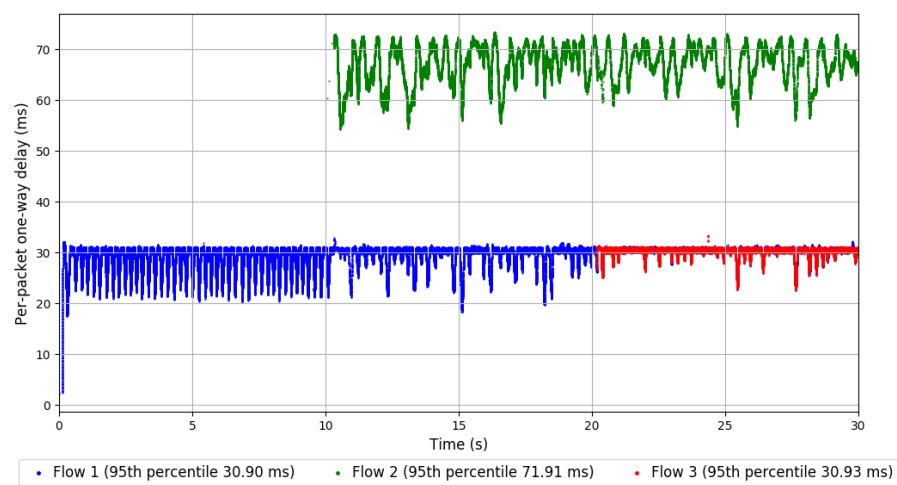
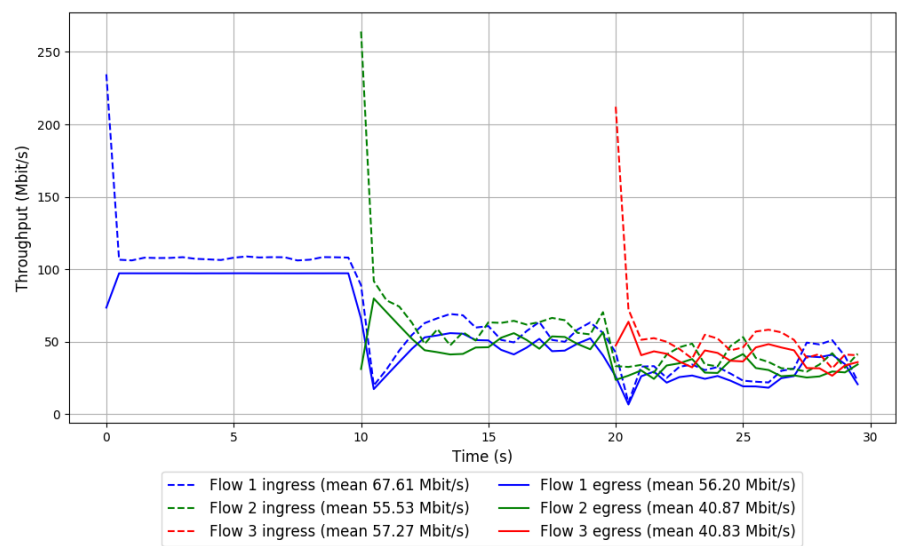


Run 1: Statistics of FillP

Start at: 2018-03-06 15:13:43
End at: 2018-03-06 15:14:13
Local clock offset: -3.643 ms
Remote clock offset: -6.305 ms

Below is generated by plot.py at 2018-03-06 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 70.993 ms
Loss rate: 21.53%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 30.904 ms
Loss rate: 16.79%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 71.909 ms
Loss rate: 26.51%
-- Flow 3:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 30.931 ms
Loss rate: 28.71%

Run 1: Report of FillP — Data Link

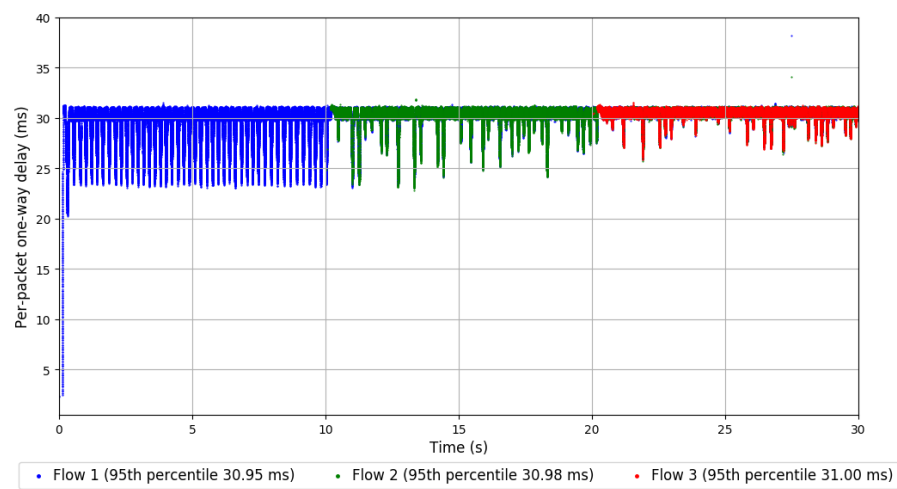
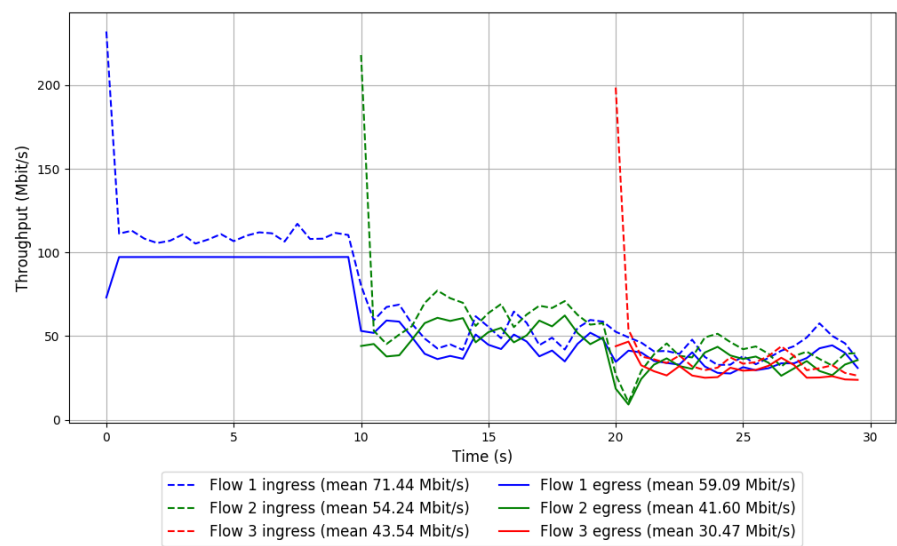


Run 2: Statistics of FillP

Start at: 2018-03-06 15:34:15
End at: 2018-03-06 15:34:45
Local clock offset: -3.878 ms
Remote clock offset: -6.301 ms

Below is generated by plot.py at 2018-03-06 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.968 ms
Loss rate: 20.52%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 30.955 ms
Loss rate: 17.21%
-- Flow 2:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 23.29%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 30.00%

Run 2: Report of FillP — Data Link

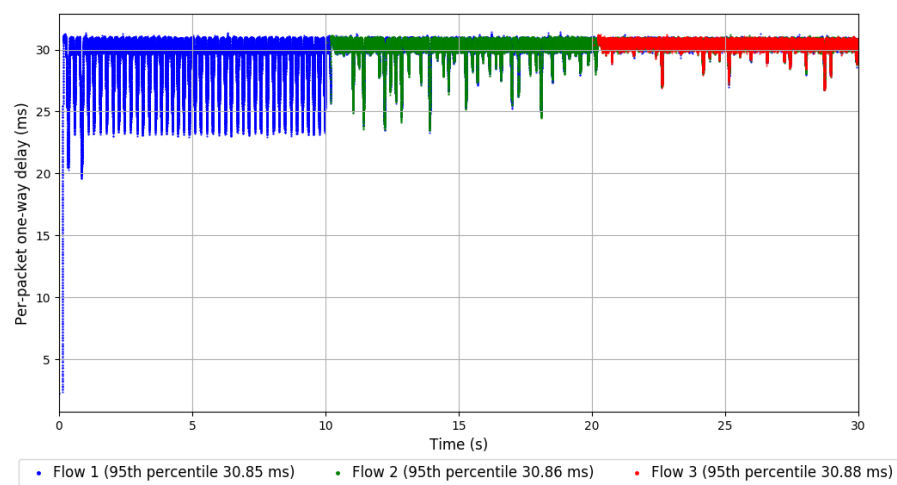
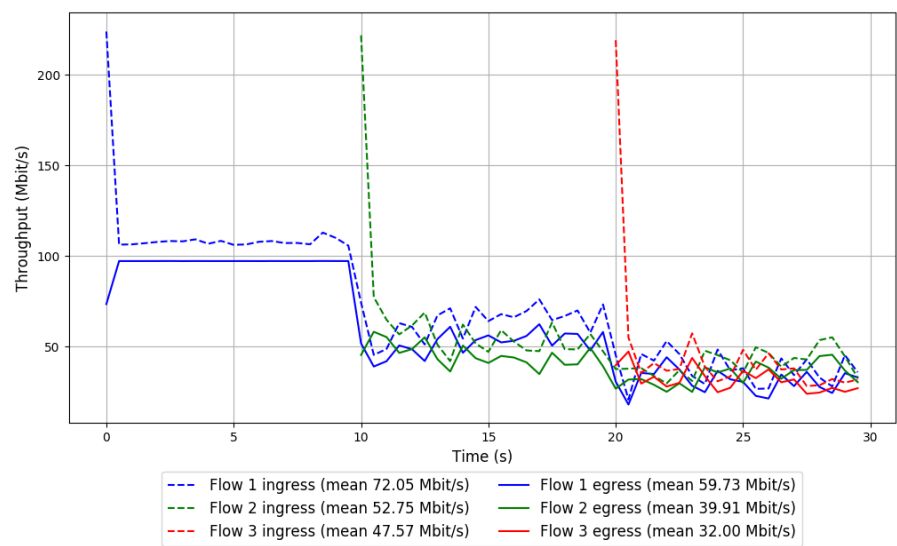


Run 3: Statistics of FillP

Start at: 2018-03-06 15:54:47
End at: 2018-03-06 15:55:17
Local clock offset: -4.236 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-03-06 19:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.858 ms
Loss rate: 21.12%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 30.852 ms
Loss rate: 17.02%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 30.862 ms
Loss rate: 24.34%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 32.74%

Run 3: Report of FillP — Data Link

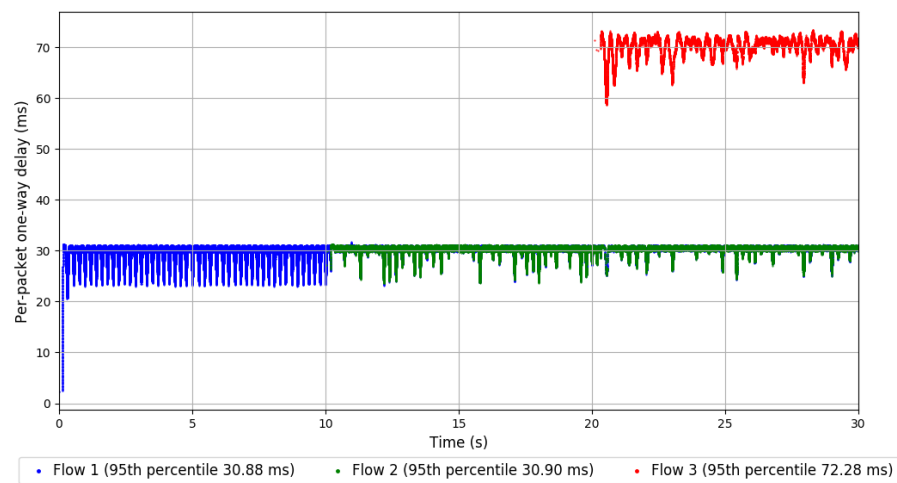
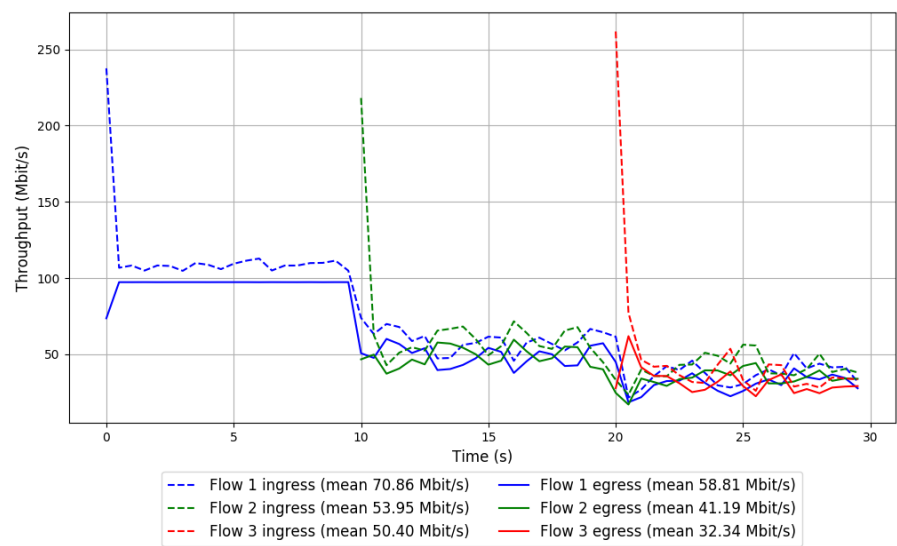


Run 4: Statistics of FillP

Start at: 2018-03-06 16:15:21
End at: 2018-03-06 16:15:51
Local clock offset: -5.364 ms
Remote clock offset: -6.725 ms

Below is generated by plot.py at 2018-03-06 19:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 70.936 ms
Loss rate: 21.47%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 16.93%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 30.903 ms
Loss rate: 23.63%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 72.285 ms
Loss rate: 36.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-06 16:35:47

End at: 2018-03-06 16:36:17

Local clock offset: -2.693 ms

Remote clock offset: -6.97 ms

Below is generated by plot.py at 2018-03-06 19:22:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 31.126 ms

Loss rate: 21.06%

-- Flow 1:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 17.05%

-- Flow 2:

Average throughput: 40.08 Mbit/s

95th percentile per-packet one-way delay: 31.143 ms

Loss rate: 24.23%

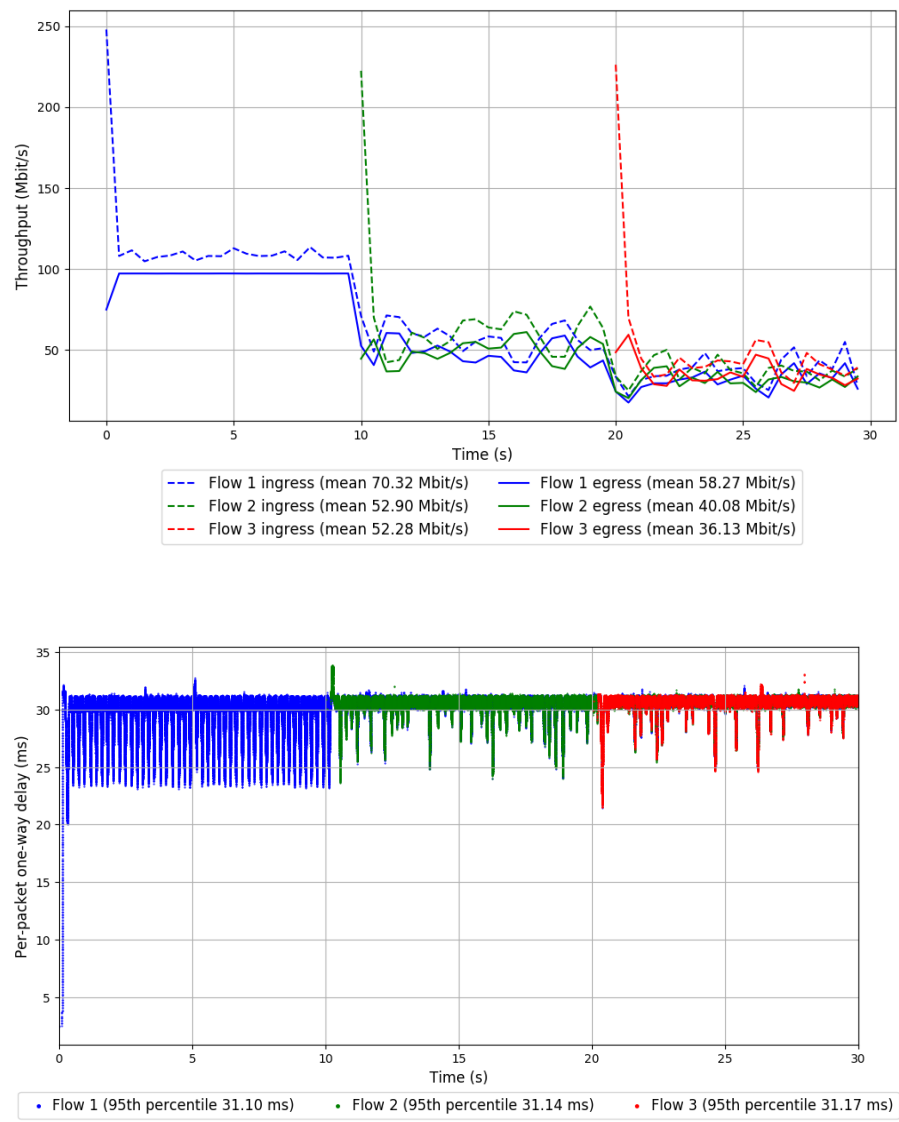
-- Flow 3:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 31.168 ms

Loss rate: 30.88%

Run 5: Report of FillP — Data Link

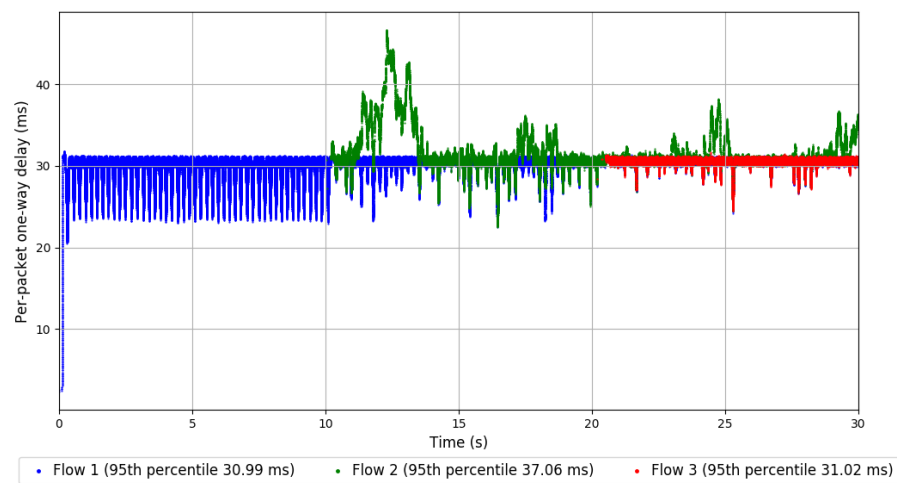
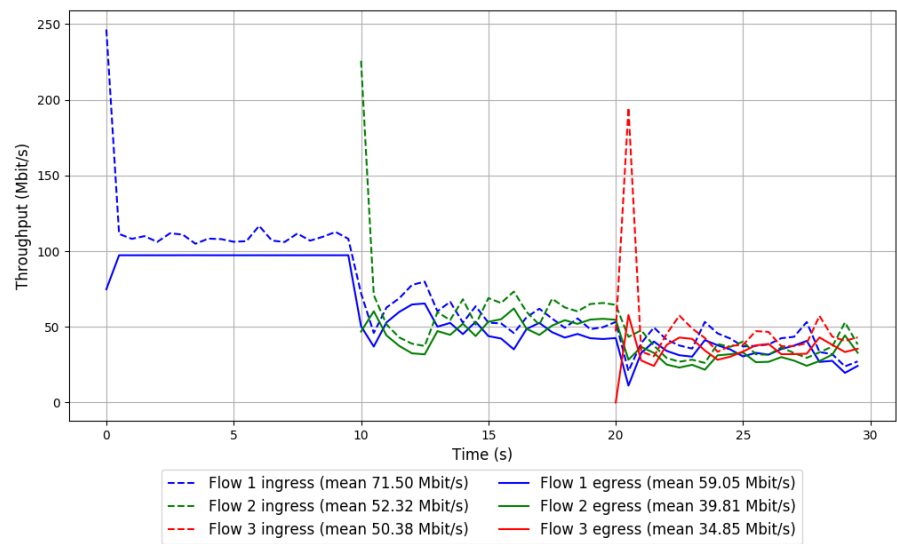


Run 6: Statistics of FillP

Start at: 2018-03-06 16:56:26
End at: 2018-03-06 16:56:56
Local clock offset: -0.883 ms
Remote clock offset: -2.819 ms

Below is generated by plot.py at 2018-03-06 19:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 32.809 ms
Loss rate: 21.17%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 30.988 ms
Loss rate: 17.34%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 37.058 ms
Loss rate: 23.91%
-- Flow 3:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 31.024 ms
Loss rate: 31.87%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-06 17:16:58

End at: 2018-03-06 17:17:28

Local clock offset: -3.931 ms

Remote clock offset: -0.79 ms

Below is generated by plot.py at 2018-03-06 19:22:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 34.114 ms

Loss rate: 20.13%

-- Flow 1:

Average throughput: 59.91 Mbit/s

95th percentile per-packet one-way delay: 30.767 ms

Loss rate: 16.24%

-- Flow 2:

Average throughput: 37.71 Mbit/s

95th percentile per-packet one-way delay: 40.232 ms

Loss rate: 23.13%

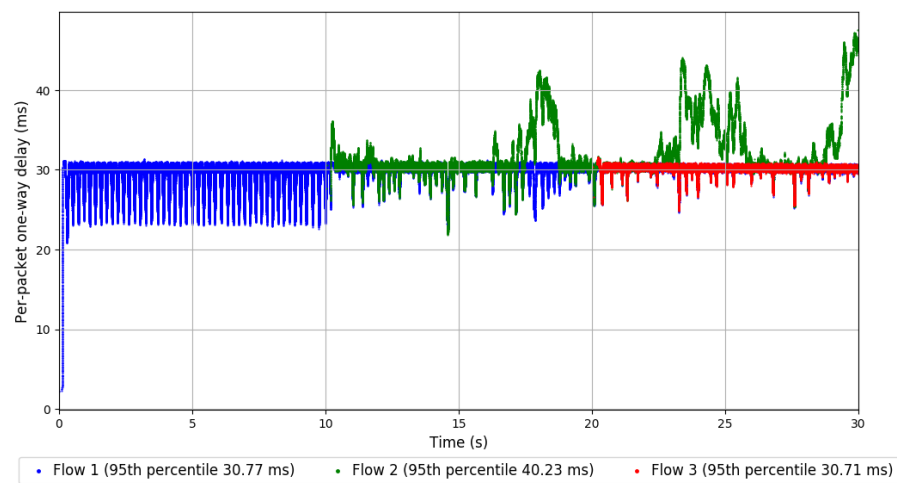
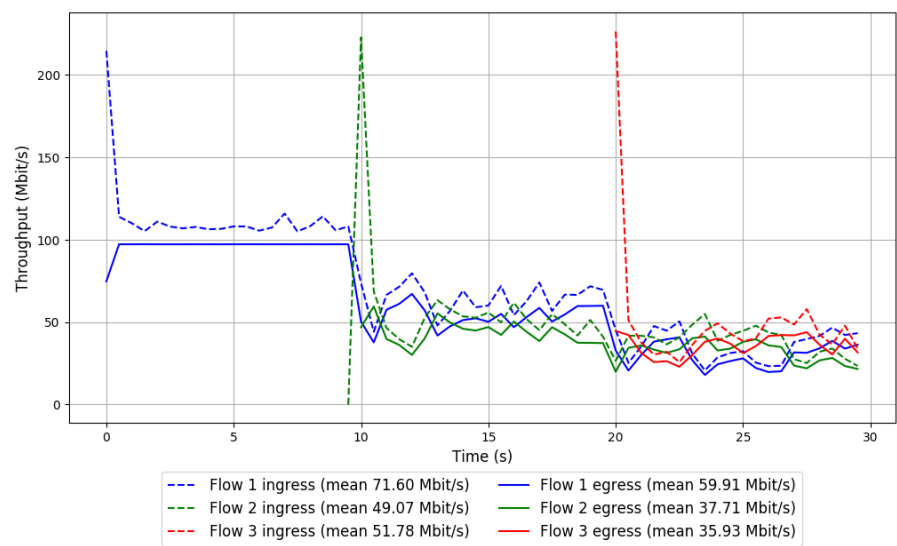
-- Flow 3:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 30.712 ms

Loss rate: 30.62%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-06 17:37:32

End at: 2018-03-06 17:38:02

Local clock offset: -5.097 ms

Remote clock offset: 8.957 ms

Below is generated by plot.py at 2018-03-06 19:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 30.925 ms

Loss rate: 21.42%

-- Flow 1:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 30.928 ms

Loss rate: 17.68%

-- Flow 2:

Average throughput: 41.74 Mbit/s

95th percentile per-packet one-way delay: 30.929 ms

Loss rate: 24.36%

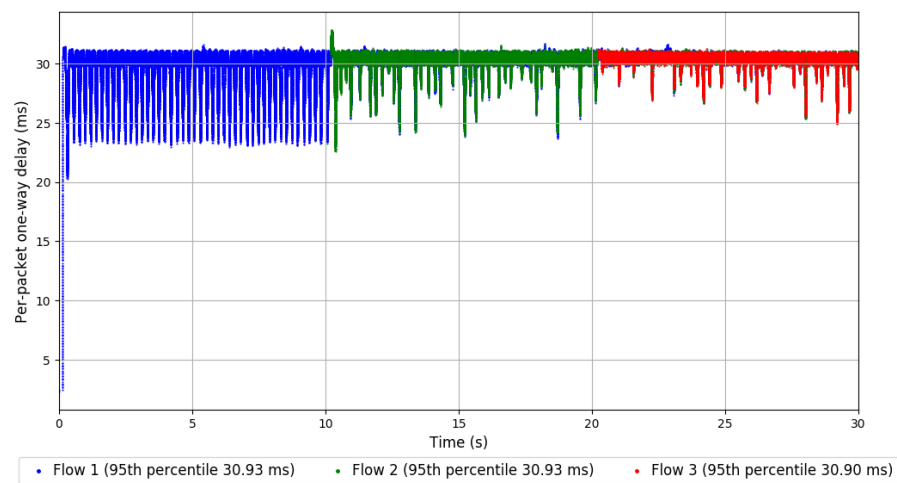
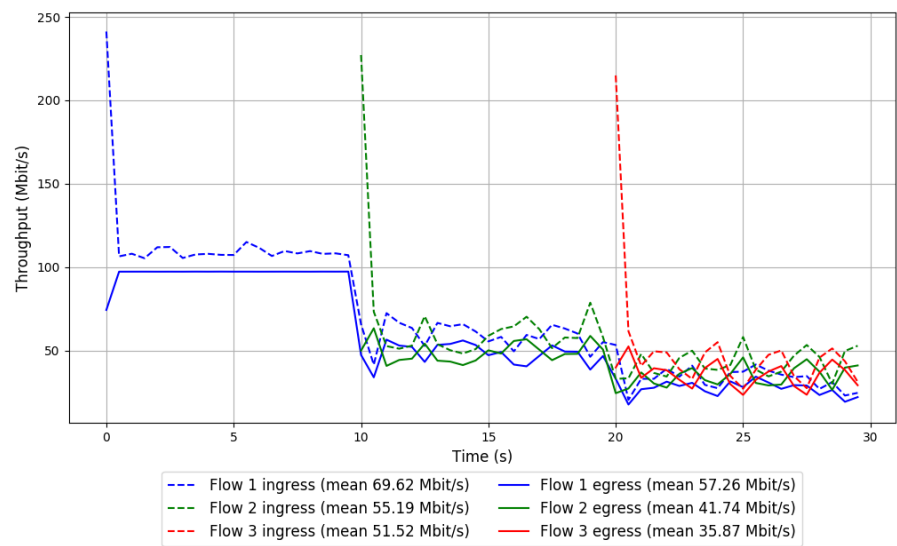
-- Flow 3:

Average throughput: 35.87 Mbit/s

95th percentile per-packet one-way delay: 30.901 ms

Loss rate: 30.38%

Run 8: Report of FillP — Data Link

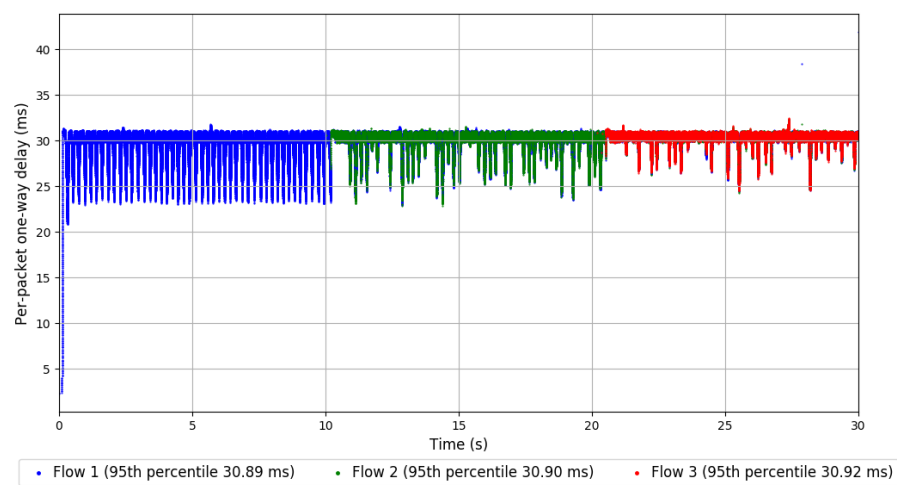
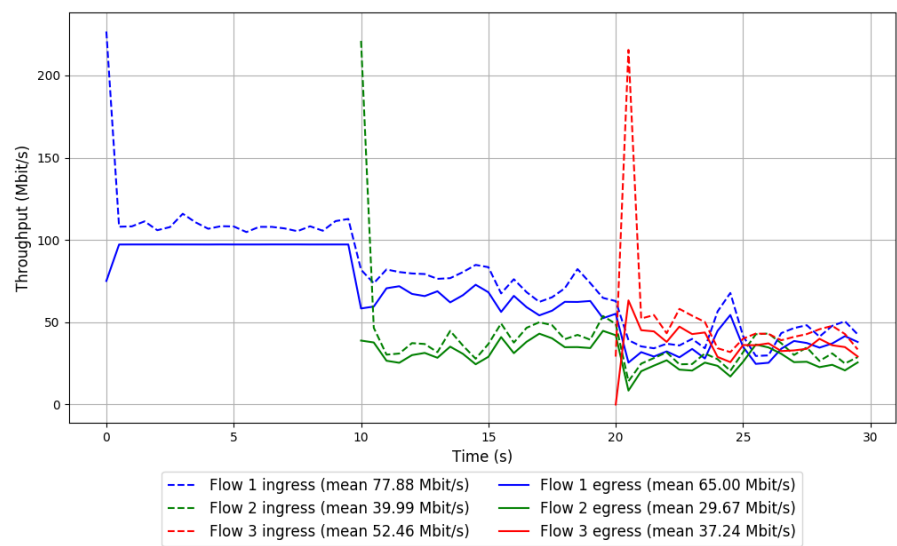


Run 9: Statistics of FillP

Start at: 2018-03-06 17:58:03
End at: 2018-03-06 17:58:33
Local clock offset: -5.896 ms
Remote clock offset: 12.797 ms

Below is generated by plot.py at 2018-03-06 19:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 30.899 ms
Loss rate: 20.42%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 30.895 ms
Loss rate: 16.42%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 30.900 ms
Loss rate: 25.81%
-- Flow 3:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 30.920 ms
Loss rate: 30.09%

Run 9: Report of FillP — Data Link

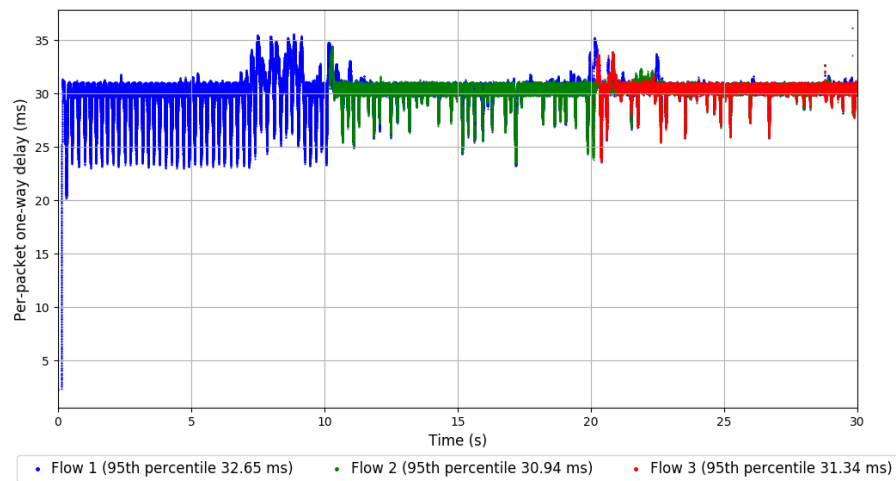
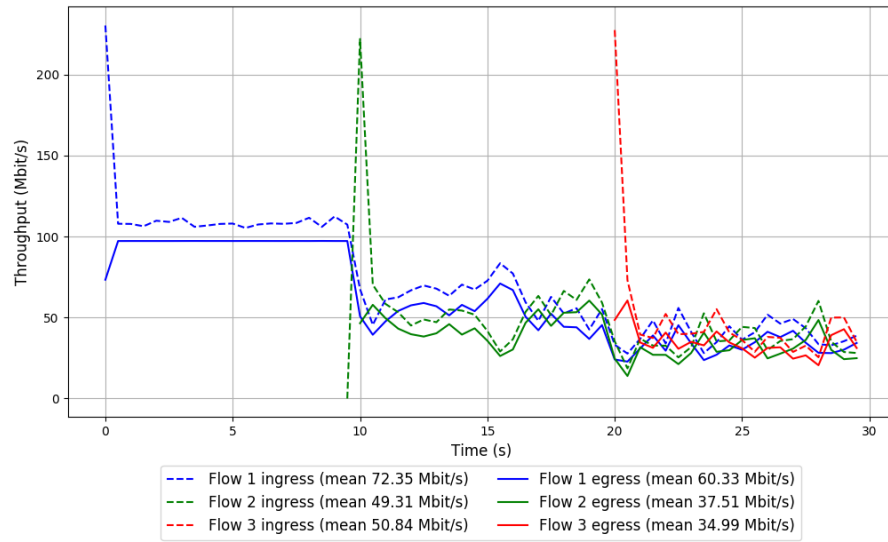


Run 10: Statistics of FillP

Start at: 2018-03-06 18:18:35
End at: 2018-03-06 18:19:05
Local clock offset: -4.83 ms
Remote clock offset: 16.094 ms

Below is generated by plot.py at 2018-03-06 19:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.864 ms
Loss rate: 20.54%
-- Flow 1:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 16.53%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 30.936 ms
Loss rate: 23.93%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 31.335 ms
Loss rate: 31.17%

Run 10: Report of FillP — Data Link

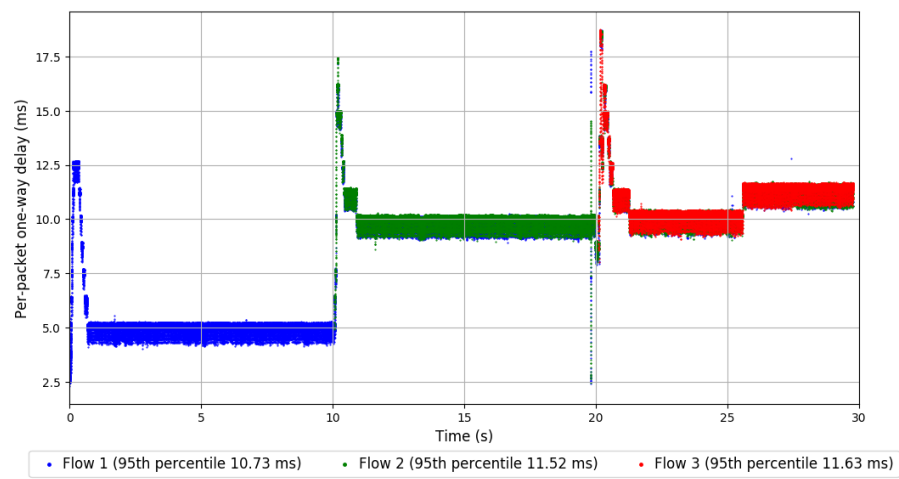
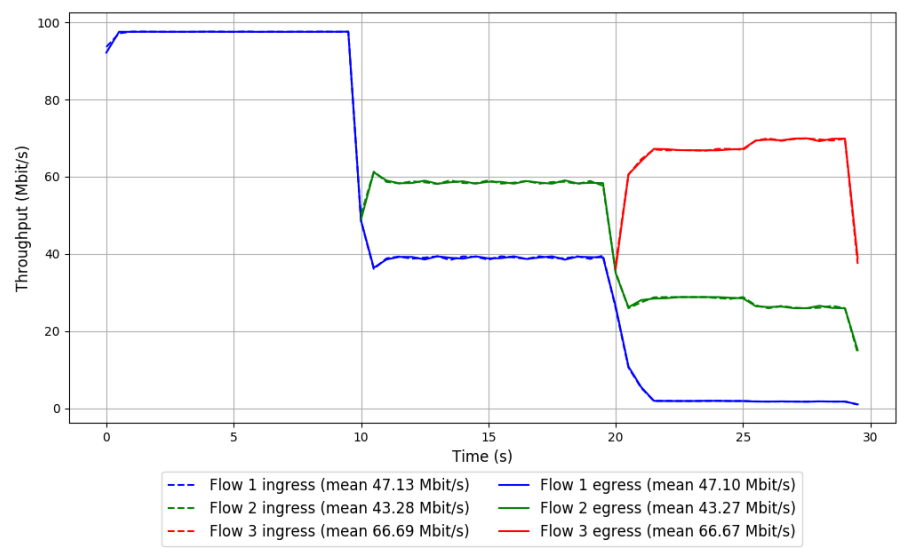


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 15:18:17
End at: 2018-03-06 15:18:47
Local clock offset: -3.718 ms
Remote clock offset: -6.261 ms

Below is generated by plot.py at 2018-03-06 19:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 11.525 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 10.734 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 43.27 Mbit/s
95th percentile per-packet one-way delay: 11.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 11.630 ms
Loss rate: 0.00%

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

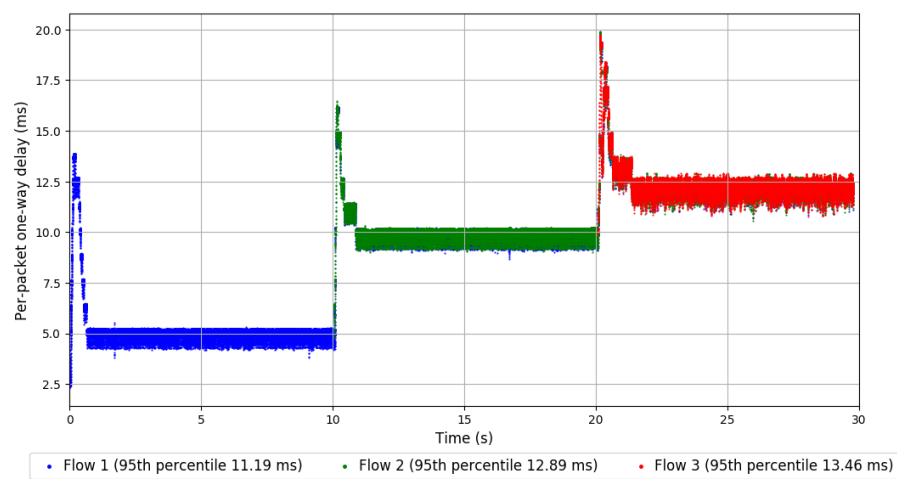
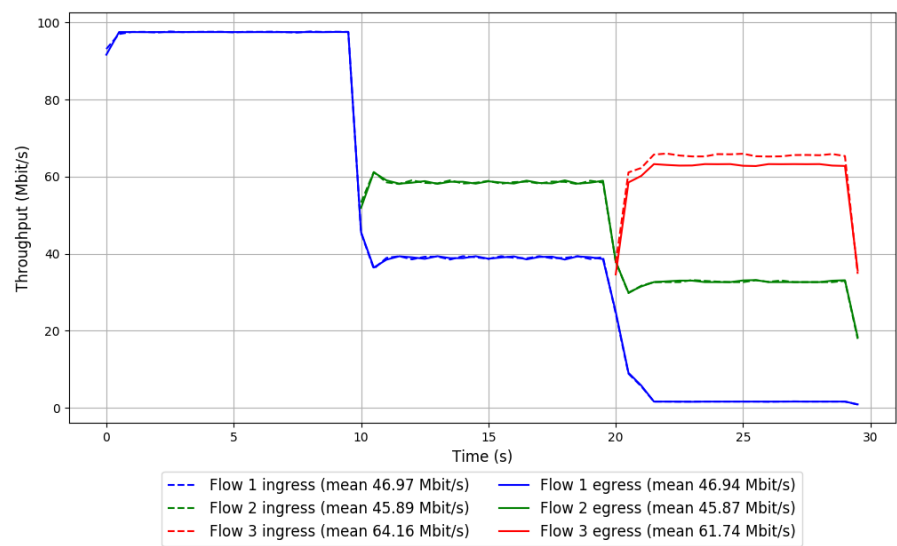


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 15:38:49
End at: 2018-03-06 15:39:19
Local clock offset: -3.944 ms
Remote clock offset: -6.353 ms

Below is generated by plot.py at 2018-03-06 19:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.704 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 11.193 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 12.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 3.75%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 15:59:21

End at: 2018-03-06 15:59:51

Local clock offset: -4.68 ms

Remote clock offset: -25.143 ms

Below is generated by plot.py at 2018-03-06 19:23:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 24.488 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 27.766 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: -8.931 ms

Loss rate: 0.00%

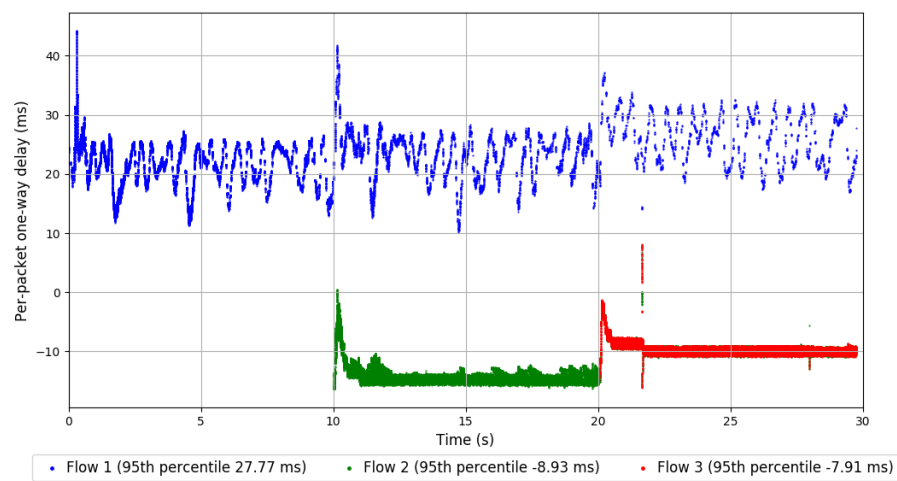
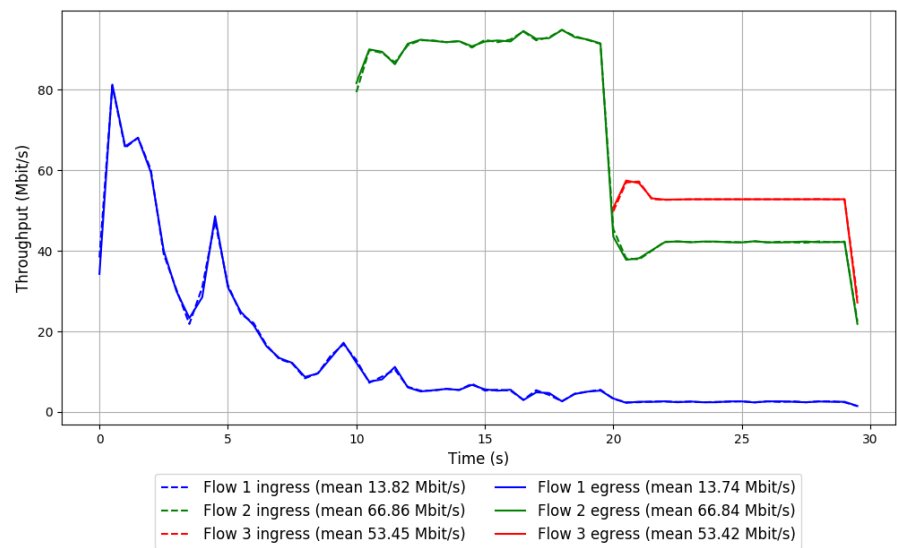
-- Flow 3:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: -7.913 ms

Loss rate: 0.00%

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

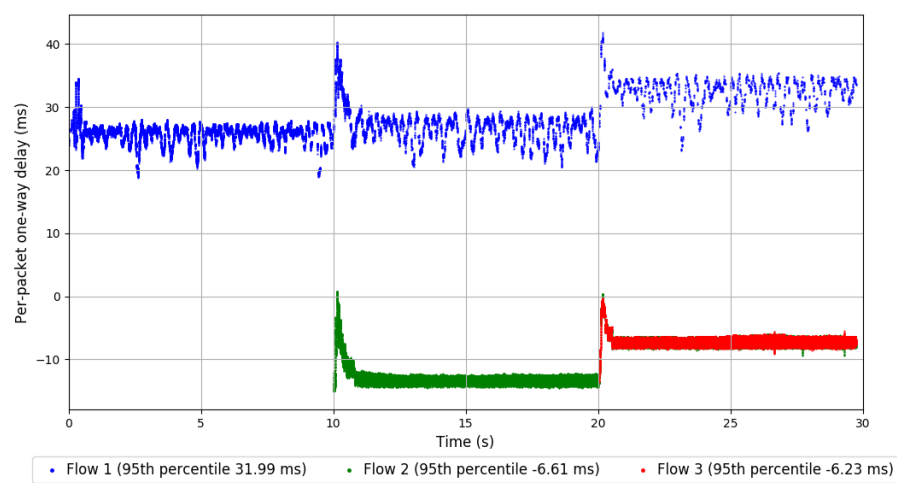
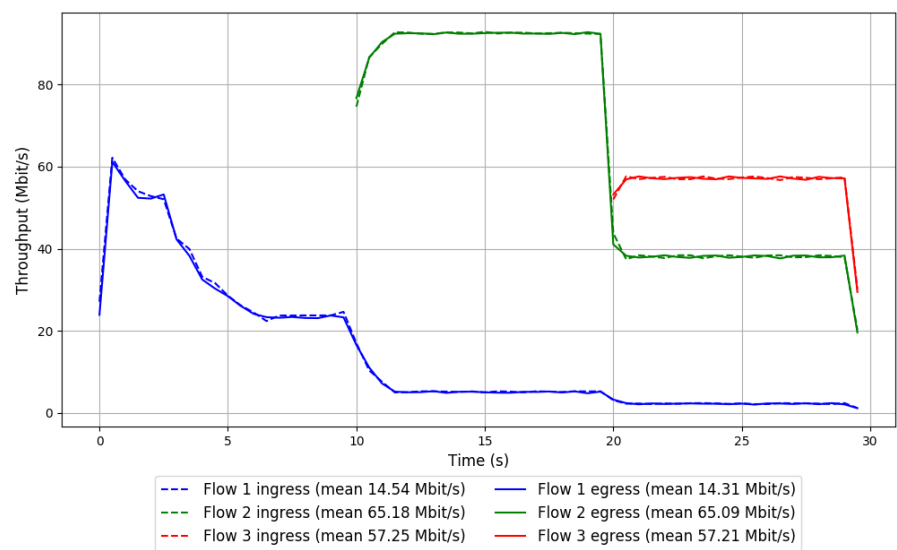


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 16:19:55
End at: 2018-03-06 16:20:25
Local clock offset: -5.533 ms
Remote clock offset: -24.14 ms

Below is generated by plot.py at 2018-03-06 19:23:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: 26.758 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 31.991 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 65.09 Mbit/s
95th percentile per-packet one-way delay: -6.614 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: -6.234 ms
Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 16:40:26

End at: 2018-03-06 16:40:56

Local clock offset: -1.995 ms

Remote clock offset: -7.07 ms

Below is generated by plot.py at 2018-03-06 19:24:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 12.998 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 46.78 Mbit/s

95th percentile per-packet one-way delay: 11.116 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 13.371 ms

Loss rate: 0.10%

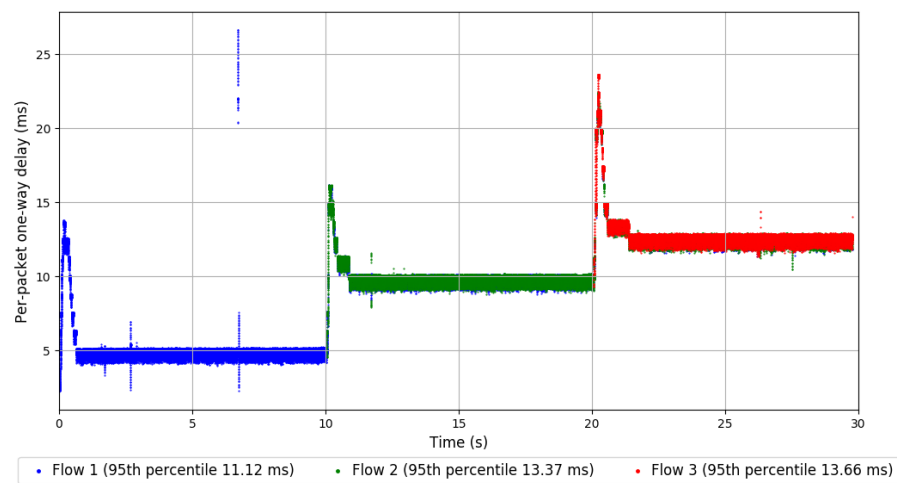
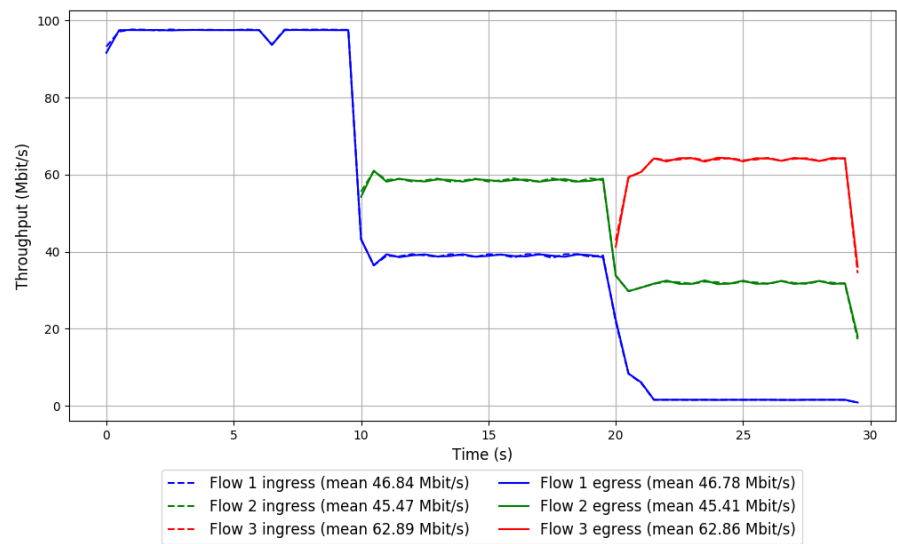
-- Flow 3:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 13.660 ms

Loss rate: 0.00%

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

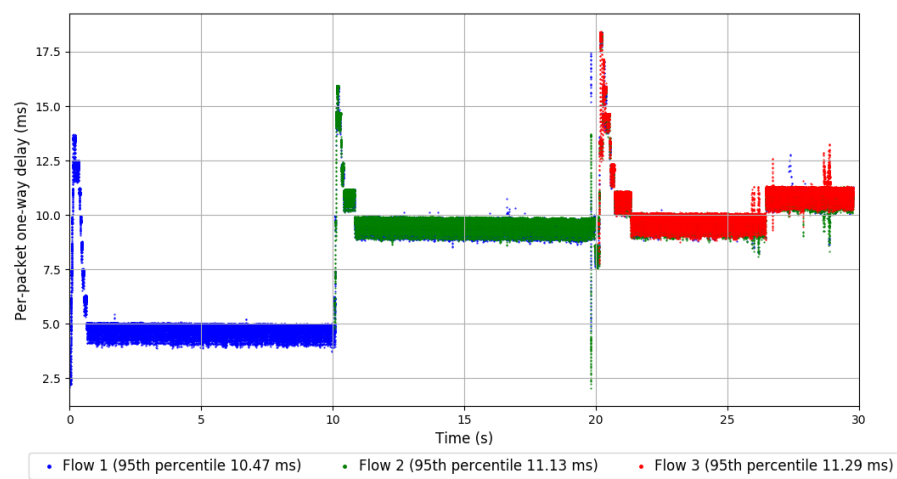
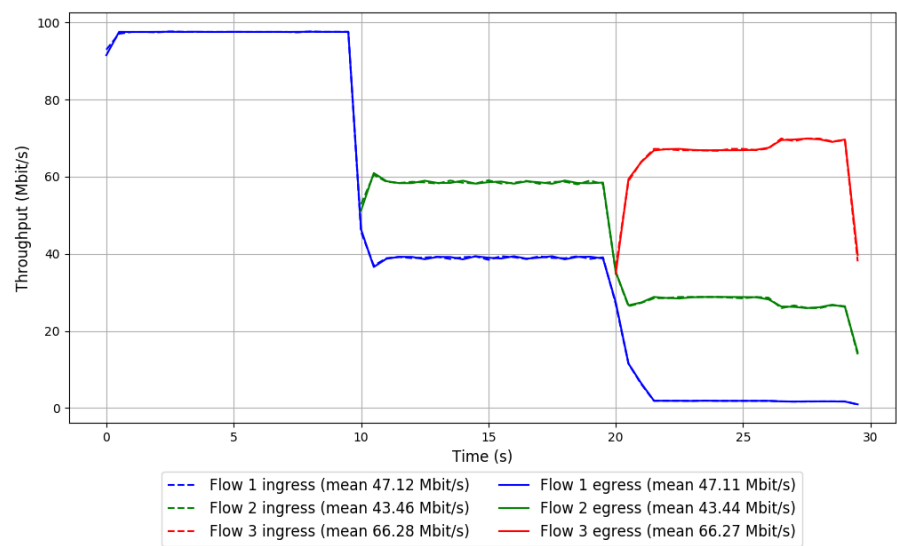


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 17:00:59
End at: 2018-03-06 17:01:29
Local clock offset: -1.066 ms
Remote clock offset: -2.225 ms

Below is generated by plot.py at 2018-03-06 19:24:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 11.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 10.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.44 Mbit/s
95th percentile per-packet one-way delay: 11.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 11.288 ms
Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 17:21:32

End at: 2018-03-06 17:22:02

Local clock offset: -4.267 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-03-06 19:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 13.177 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.78 Mbit/s

95th percentile per-packet one-way delay: 10.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.36 Mbit/s

95th percentile per-packet one-way delay: 13.246 ms

Loss rate: 0.00%

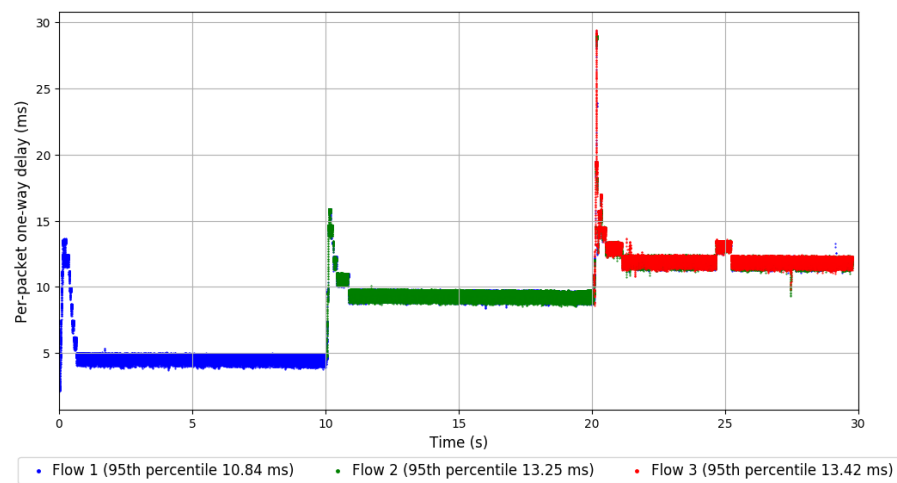
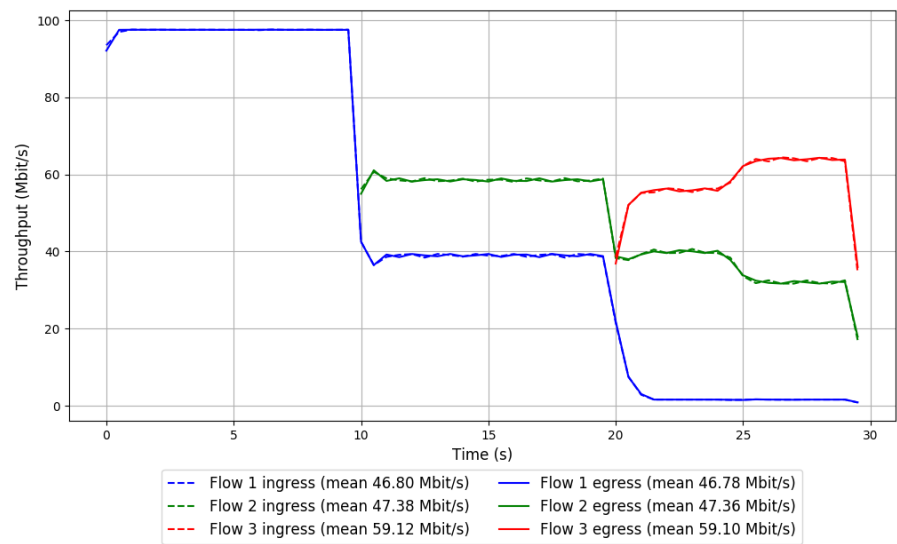
-- Flow 3:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 13.417 ms

Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 17:42:06

End at: 2018-03-06 17:42:36

Local clock offset: -5.231 ms

Remote clock offset: 9.863 ms

Below is generated by plot.py at 2018-03-06 19:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 40.853 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 17.550 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 44.618 ms

Loss rate: 0.32%

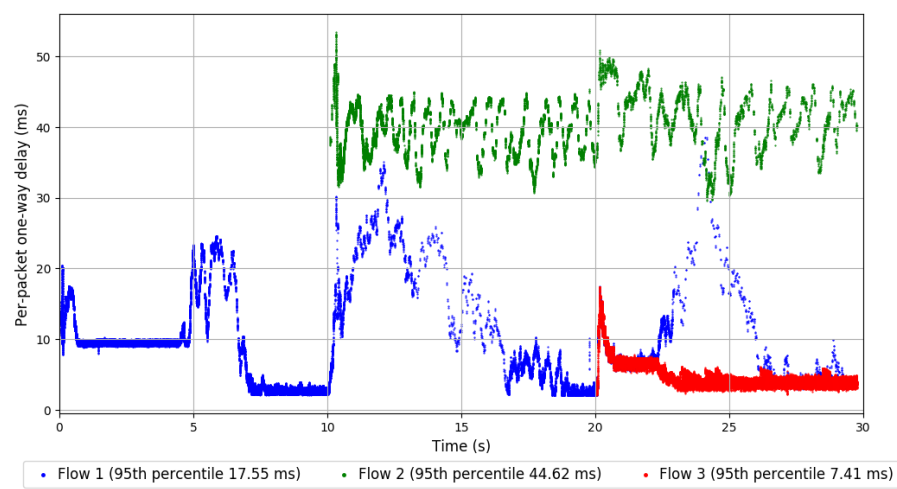
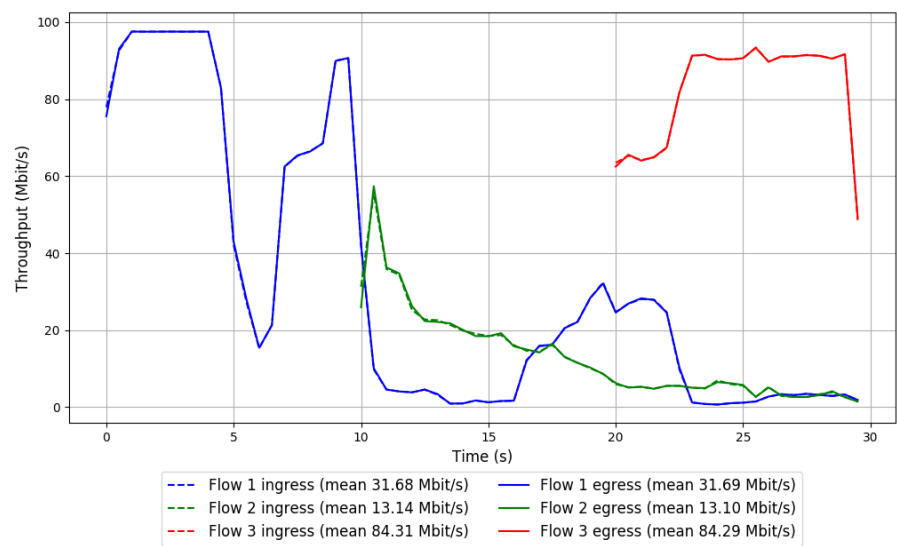
-- Flow 3:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 7.407 ms

Loss rate: 0.00%

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

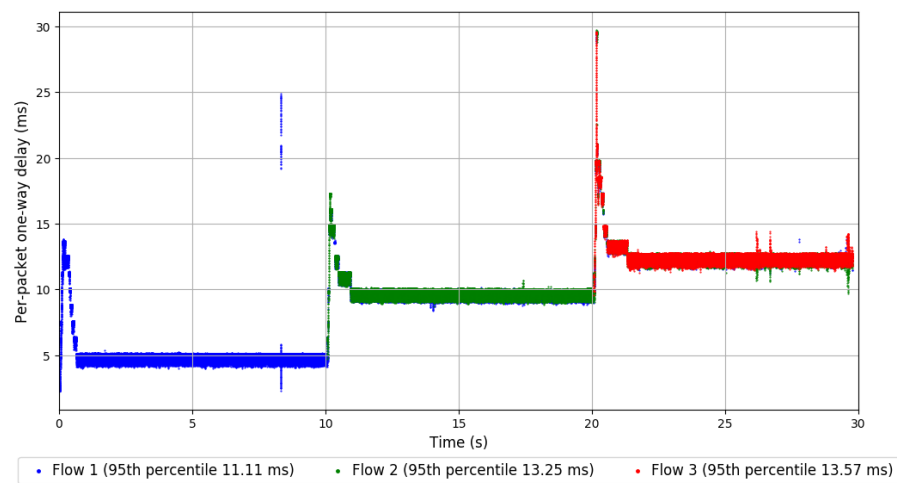
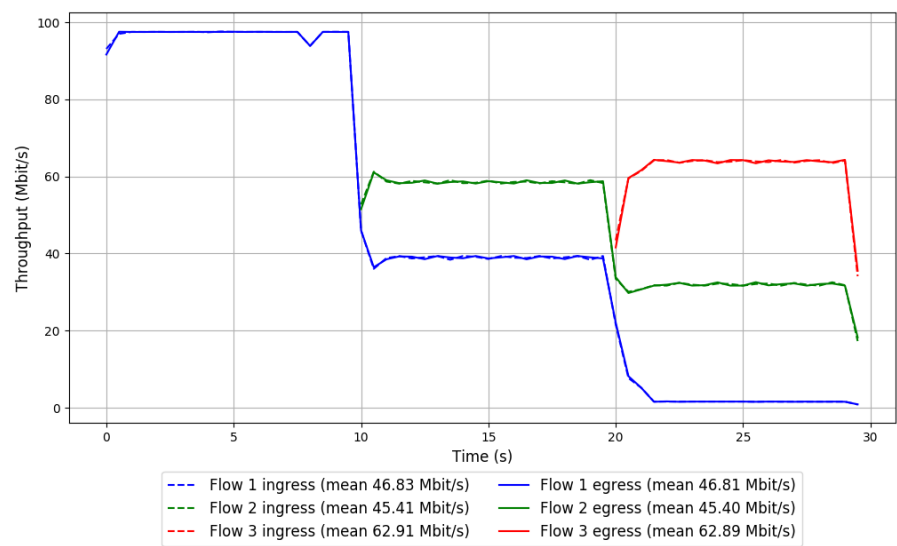


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 18:02:38
End at: 2018-03-06 18:03:08
Local clock offset: -6.055 ms
Remote clock offset: 13.569 ms

Below is generated by plot.py at 2018-03-06 19:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 12.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 11.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 13.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 13.572 ms
Loss rate: 0.00%

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

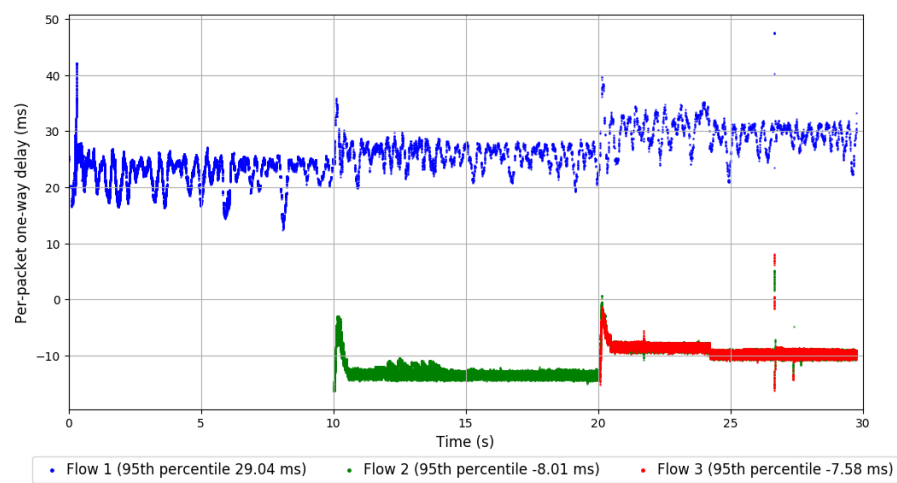
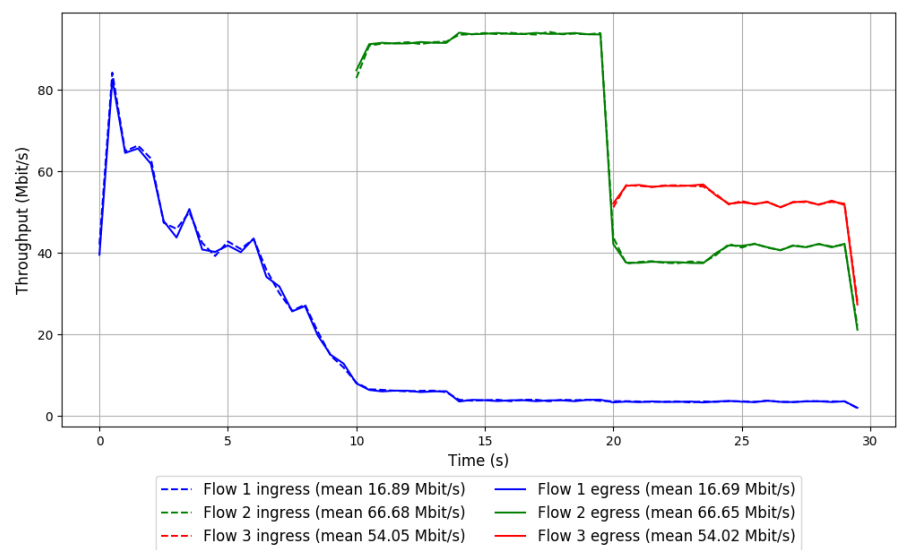


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 18:23:09
End at: 2018-03-06 18:23:39
Local clock offset: -4.667 ms
Remote clock offset: -1.715 ms

Below is generated by plot.py at 2018-03-06 19:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 25.038 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 29.036 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: -8.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: -7.578 ms
Loss rate: 0.00%

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

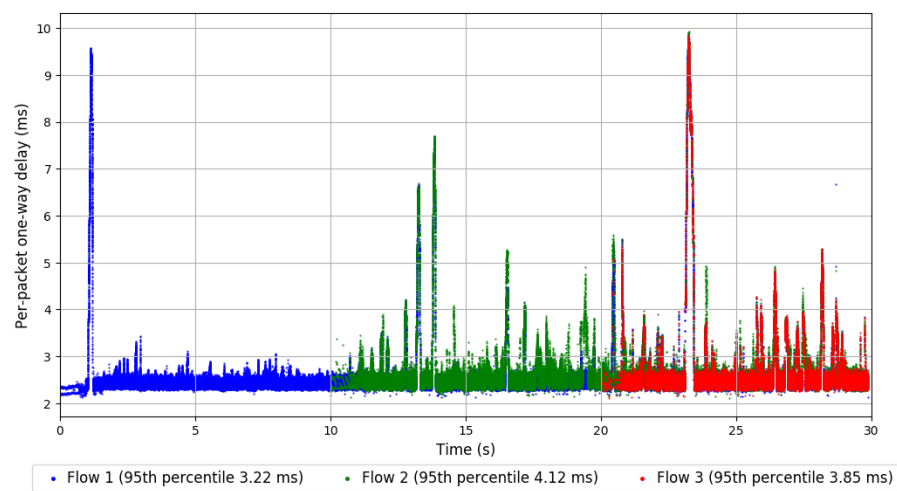
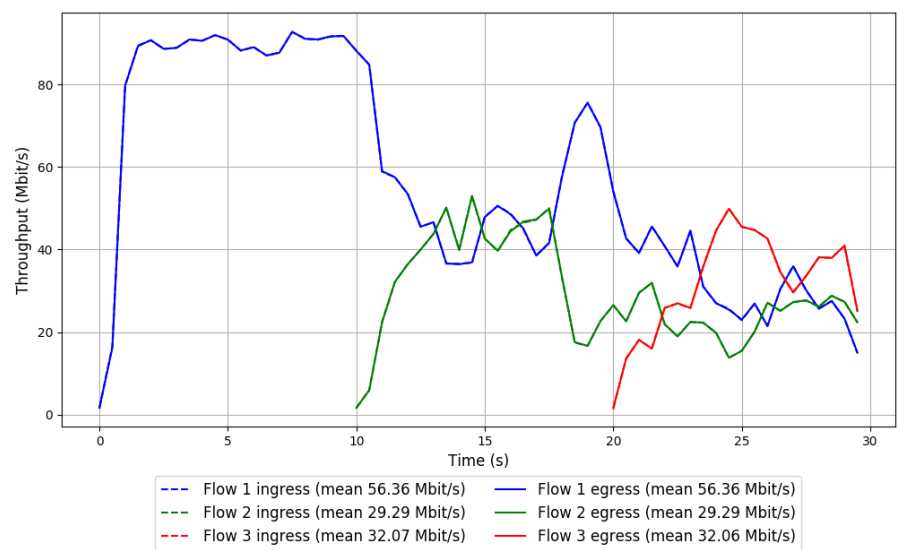


Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 15:25:01
End at: 2018-03-06 15:25:31
Local clock offset: -3.79 ms
Remote clock offset: -6.342 ms

Below is generated by plot.py at 2018-03-06 19:24:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 3.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 3.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.29 Mbit/s
95th percentile per-packet one-way delay: 4.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 3.849 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

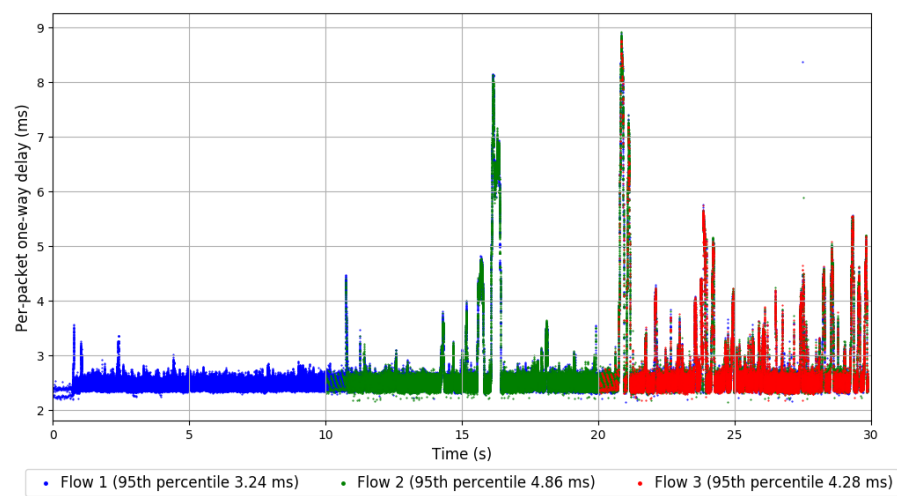
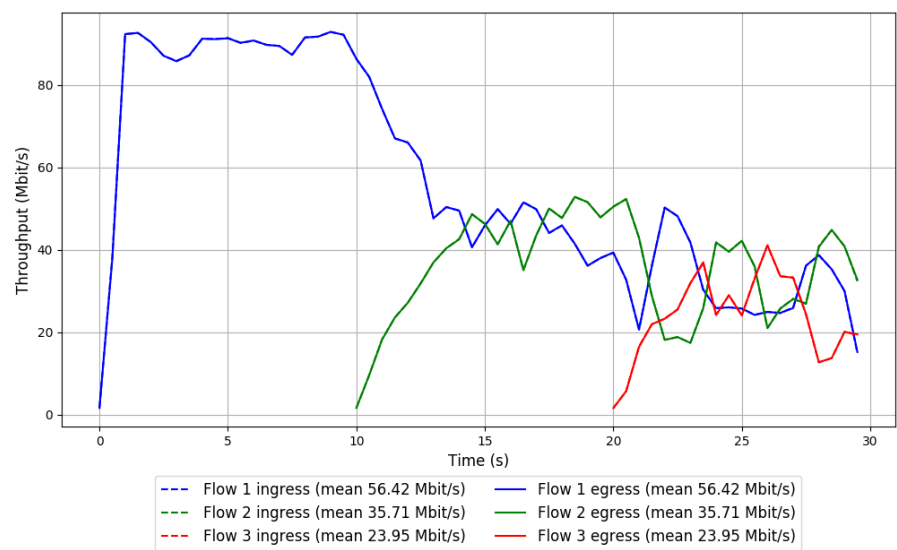


Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 15:45:32
End at: 2018-03-06 15:46:02
Local clock offset: -3.865 ms
Remote clock offset: -6.386 ms

Below is generated by plot.py at 2018-03-06 19:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 3.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 4.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 4.279 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

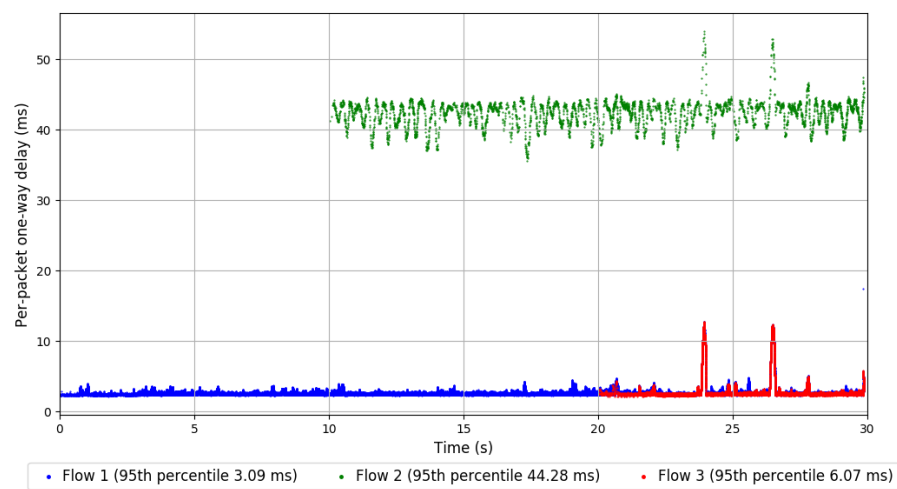
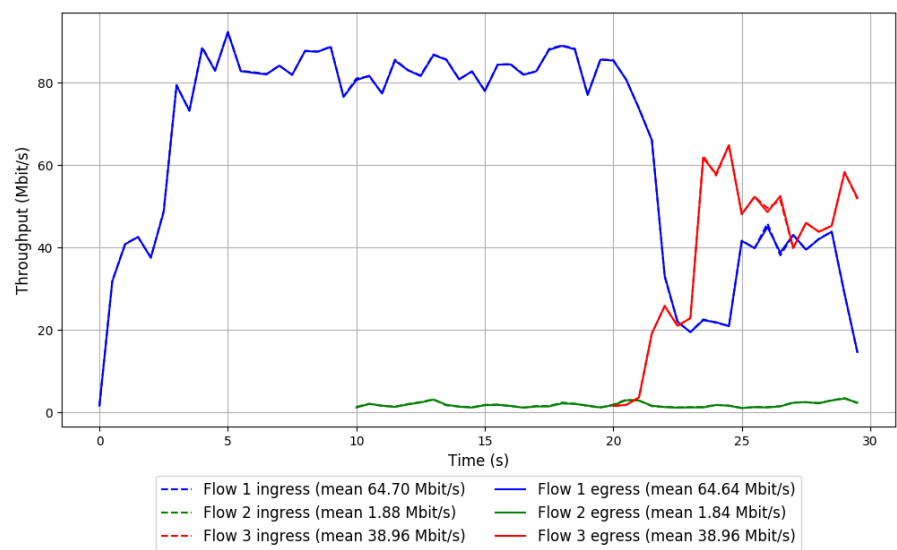


Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 16:06:03
End at: 2018-03-06 16:06:33
Local clock offset: -5.062 ms
Remote clock offset: -6.429 ms

Below is generated by plot.py at 2018-03-06 19:25:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 3.619 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 44.282 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 6.073 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

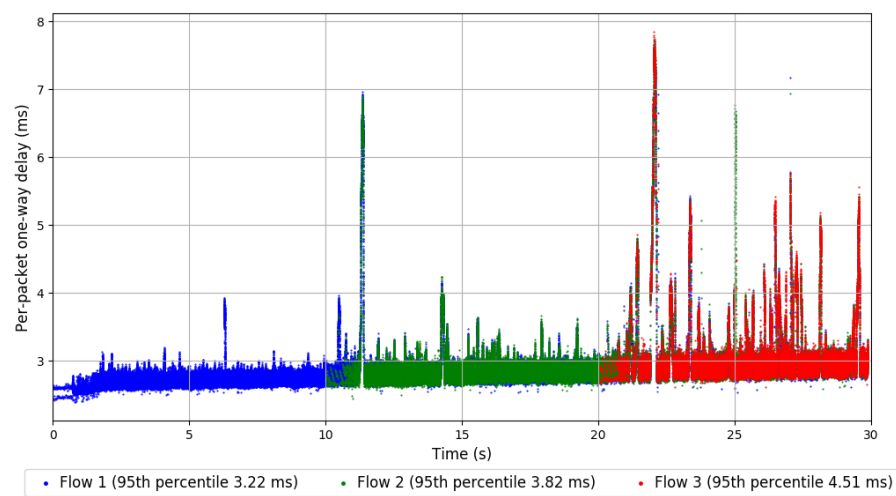
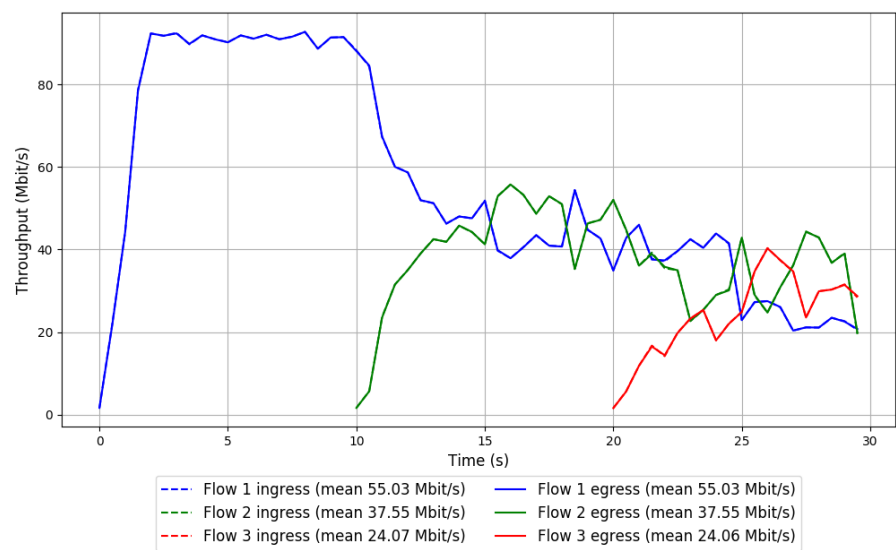


Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 16:26:35
End at: 2018-03-06 16:27:05
Local clock offset: -5.36 ms
Remote clock offset: -6.889 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 3.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 3.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 3.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 4.513 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

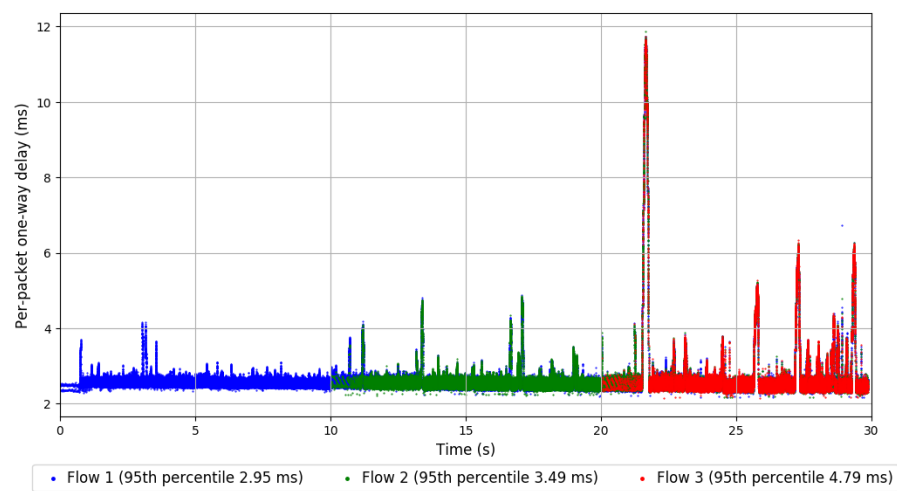
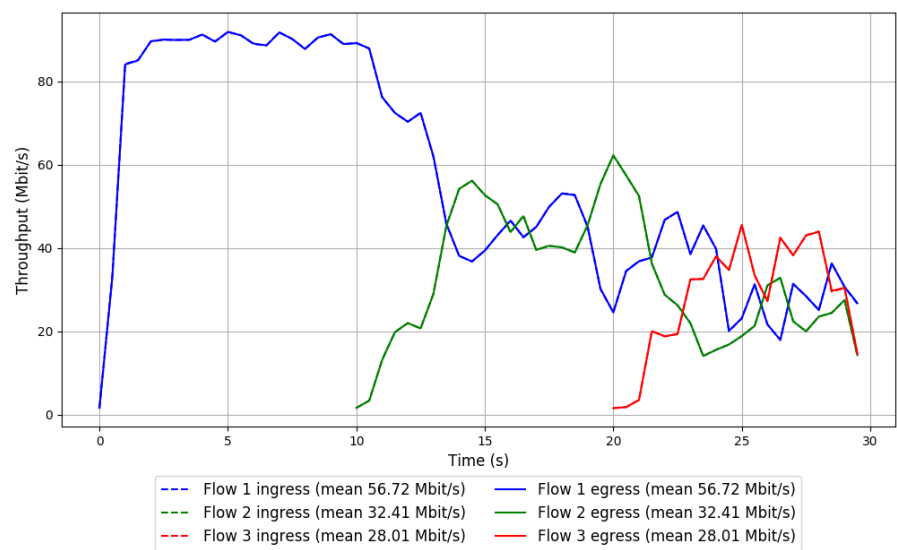


Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 16:47:09
End at: 2018-03-06 16:47:39
Local clock offset: -1.465 ms
Remote clock offset: -5.169 ms

Below is generated by plot.py at 2018-03-06 19:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 3.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.41 Mbit/s
95th percentile per-packet one-way delay: 3.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 4.787 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

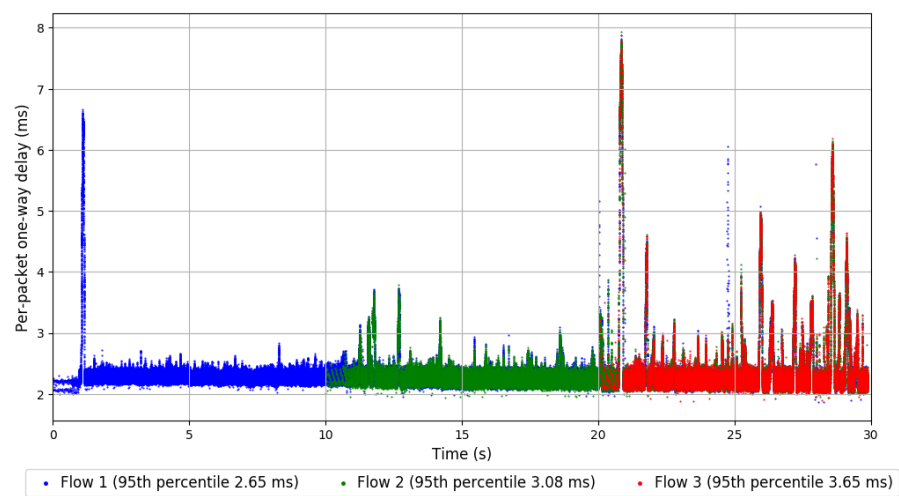
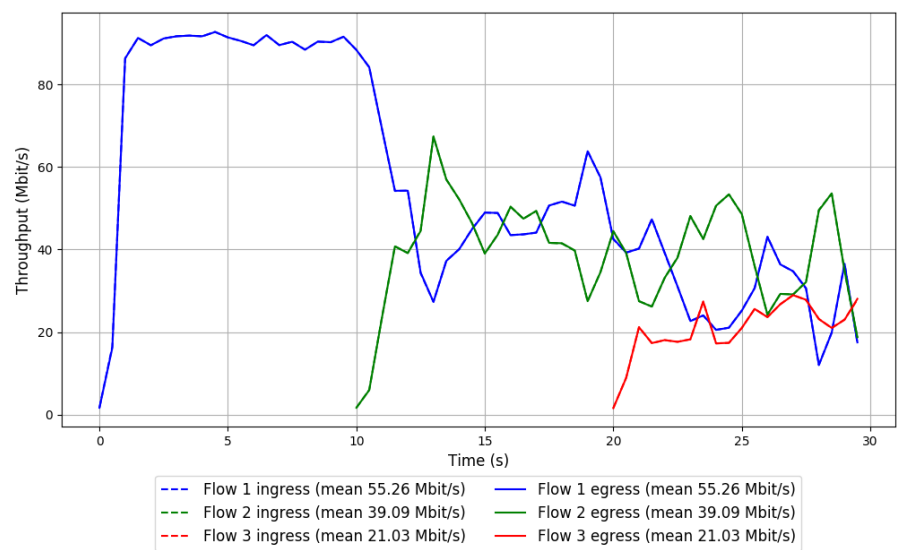


Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 17:07:42
End at: 2018-03-06 17:08:12
Local clock offset: -2.745 ms
Remote clock offset: -1.518 ms

Below is generated by plot.py at 2018-03-06 19:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 2.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 3.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 3.646 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 17:28:15

End at: 2018-03-06 17:28:45

Local clock offset: -4.624 ms

Remote clock offset: 6.113 ms

Below is generated by plot.py at 2018-03-06 19:26:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 3.068 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 2.866 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 3.259 ms

Loss rate: 0.00%

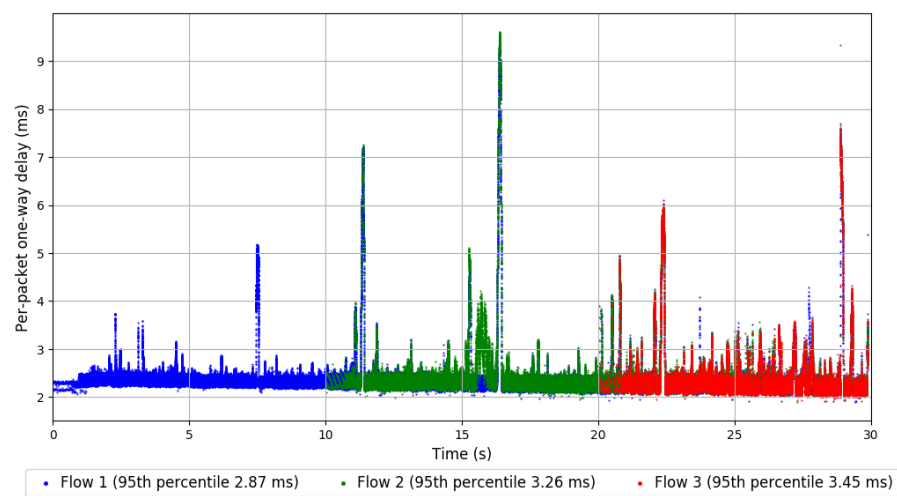
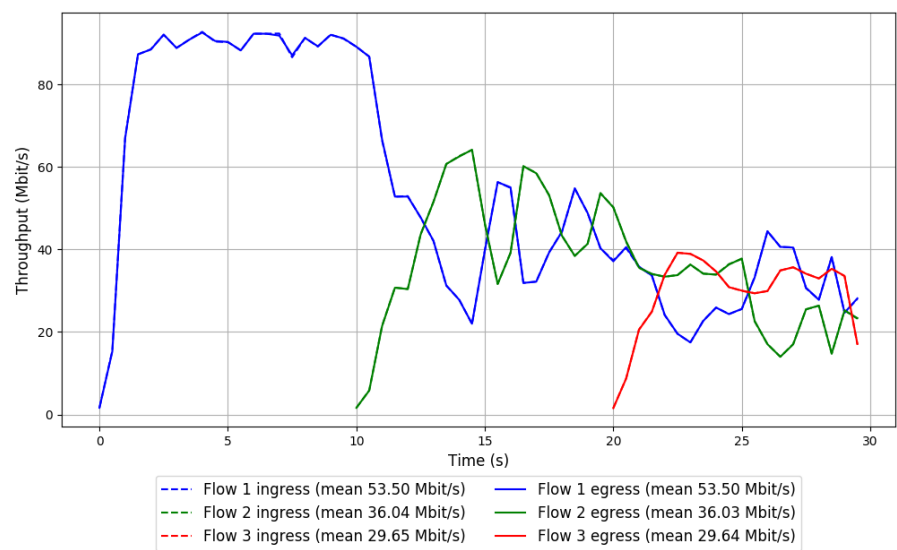
-- Flow 3:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

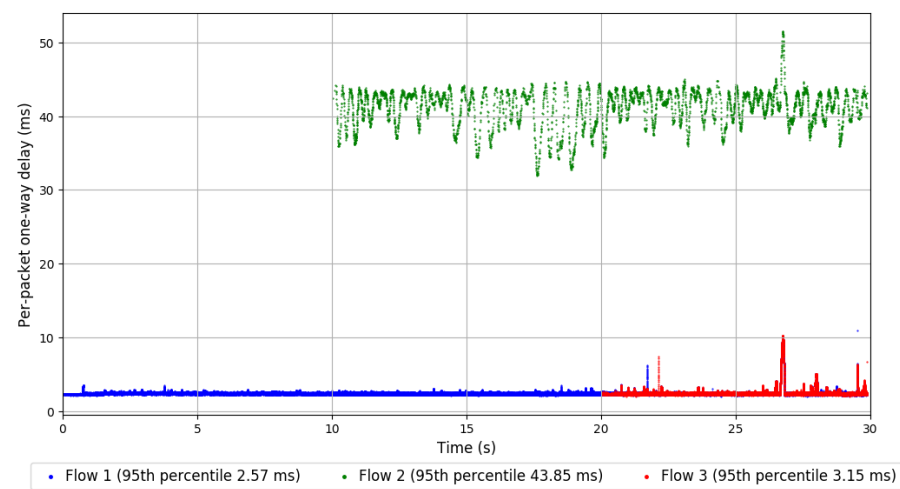
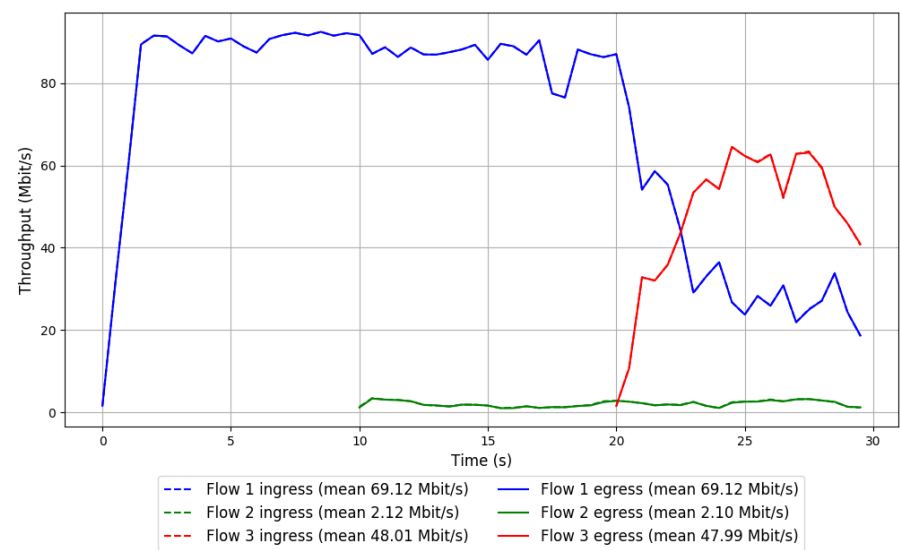


Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 17:48:48
End at: 2018-03-06 17:49:18
Local clock offset: -5.491 ms
Remote clock offset: 11.219 ms

Below is generated by plot.py at 2018-03-06 19:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 2.764 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 43.852 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 3.155 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

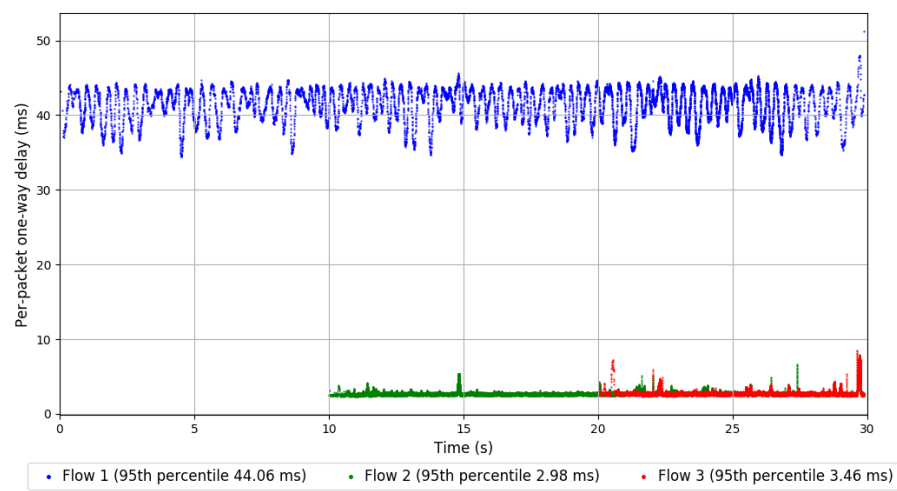
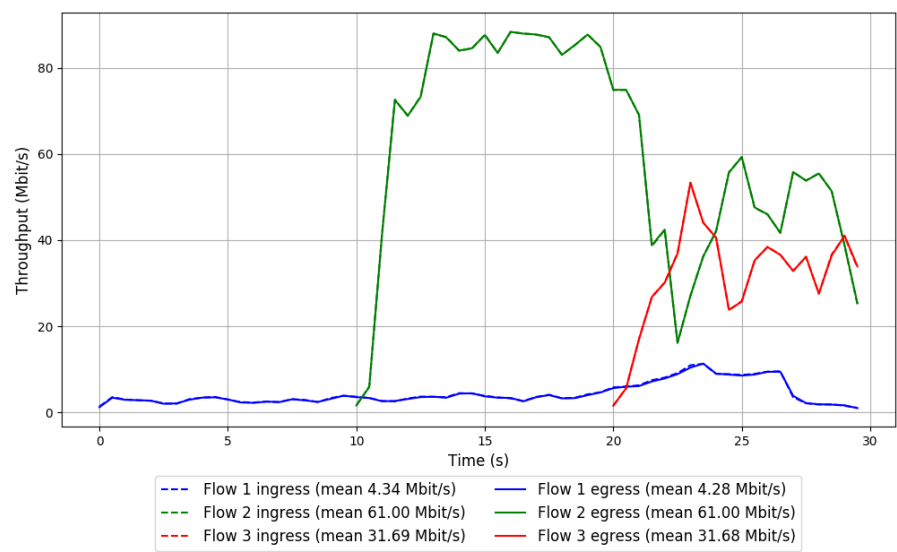


Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 18:09:21
End at: 2018-03-06 18:09:51
Local clock offset: -6.012 ms
Remote clock offset: 14.678 ms

Below is generated by plot.py at 2018-03-06 19:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 41.239 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 44.064 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 2.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.04%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 18:29:52

End at: 2018-03-06 18:30:22

Local clock offset: -4.51 ms

Remote clock offset: 6.76 ms

Below is generated by plot.py at 2018-03-06 19:26:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.00 Mbit/s

95th percentile per-packet one-way delay: 42.359 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 70.93 Mbit/s

95th percentile per-packet one-way delay: 4.611 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 45.101 ms

Loss rate: 1.12%

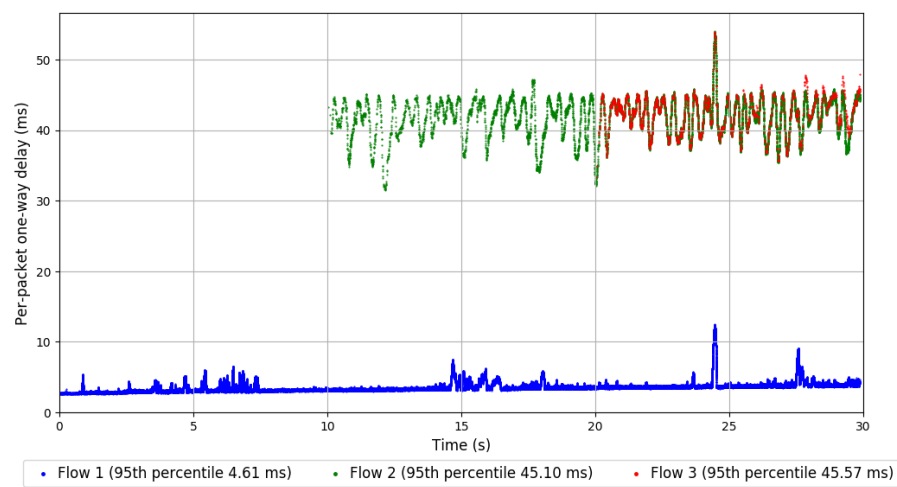
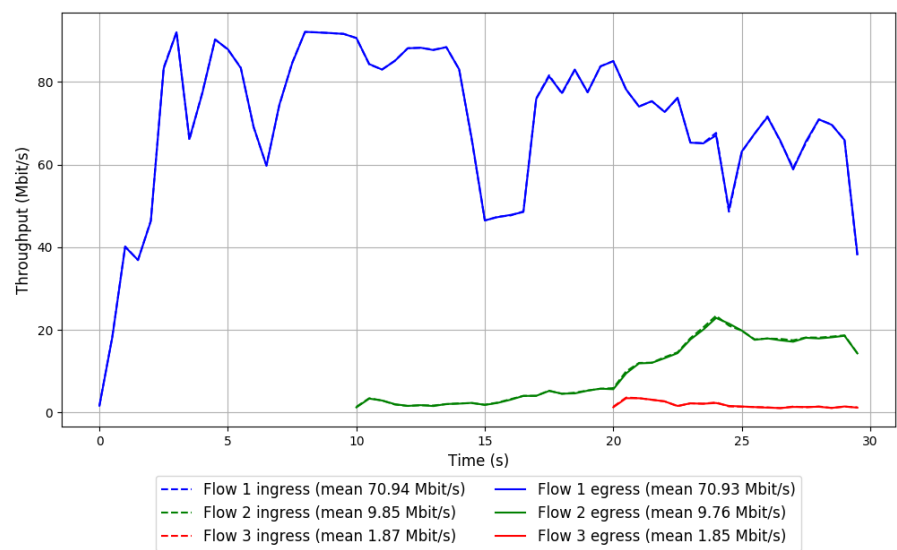
-- Flow 3:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 45.566 ms

Loss rate: 1.06%

Run 10: Report of Vivace-latency — Data Link

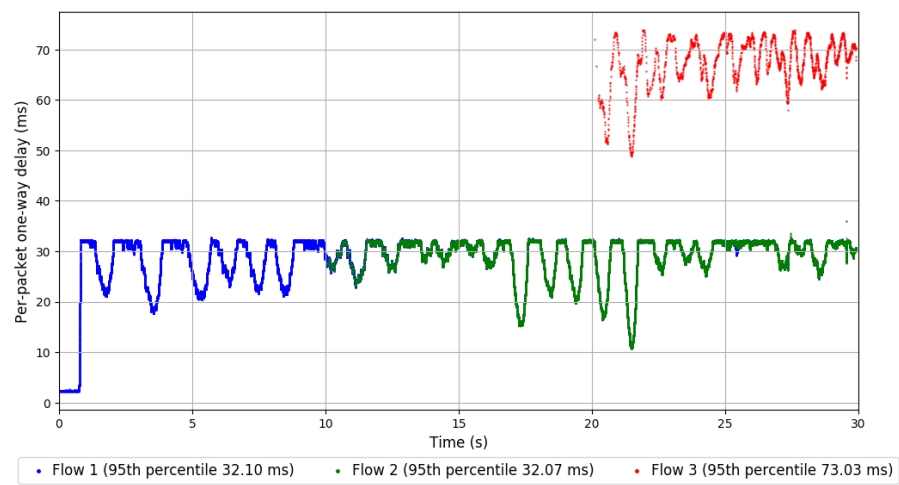
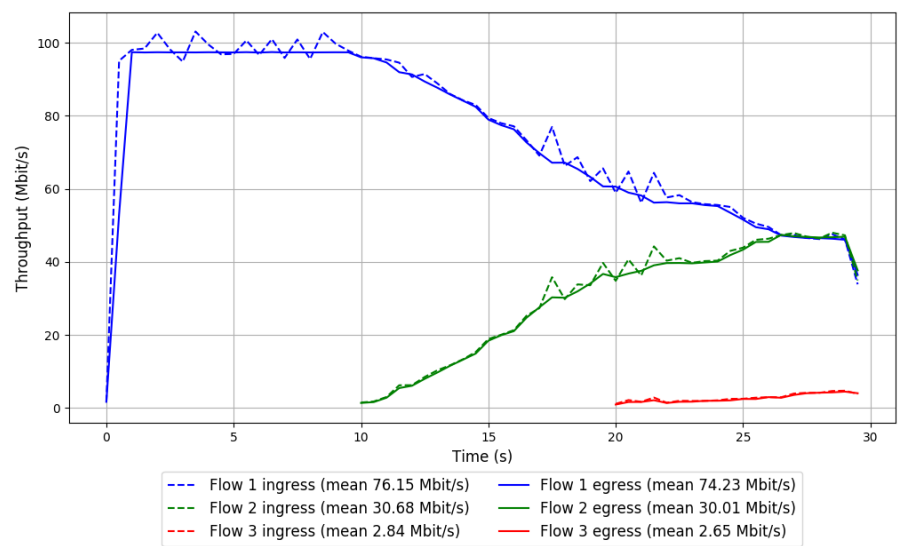


Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 15:19:27
End at: 2018-03-06 15:19:57
Local clock offset: -3.671 ms
Remote clock offset: -6.276 ms

Below is generated by plot.py at 2018-03-06 19:27:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 32.097 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 73.027 ms
Loss rate: 7.17%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 15:39:59

End at: 2018-03-06 15:40:29

Local clock offset: -3.871 ms

Remote clock offset: -6.43 ms

Below is generated by plot.py at 2018-03-06 19:27:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 32.045 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 32.048 ms

Loss rate: 3.07%

-- Flow 2:

Average throughput: 36.99 Mbit/s

95th percentile per-packet one-way delay: 31.992 ms

Loss rate: 1.39%

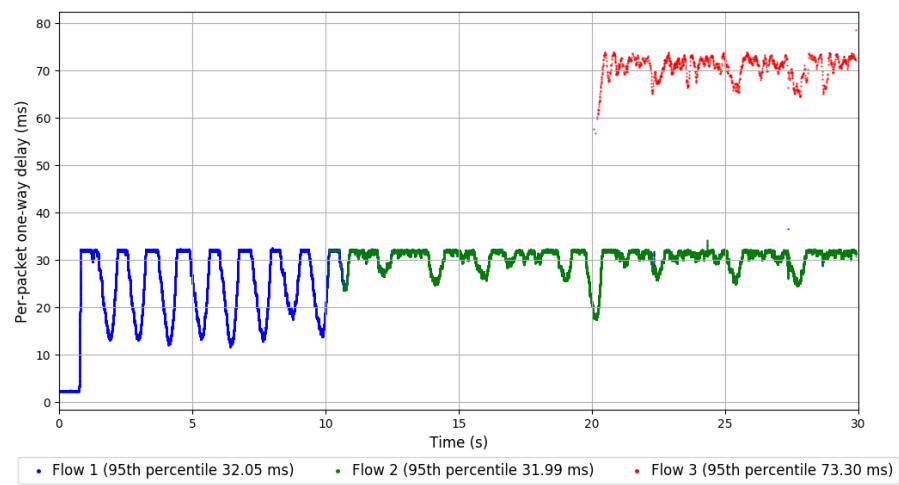
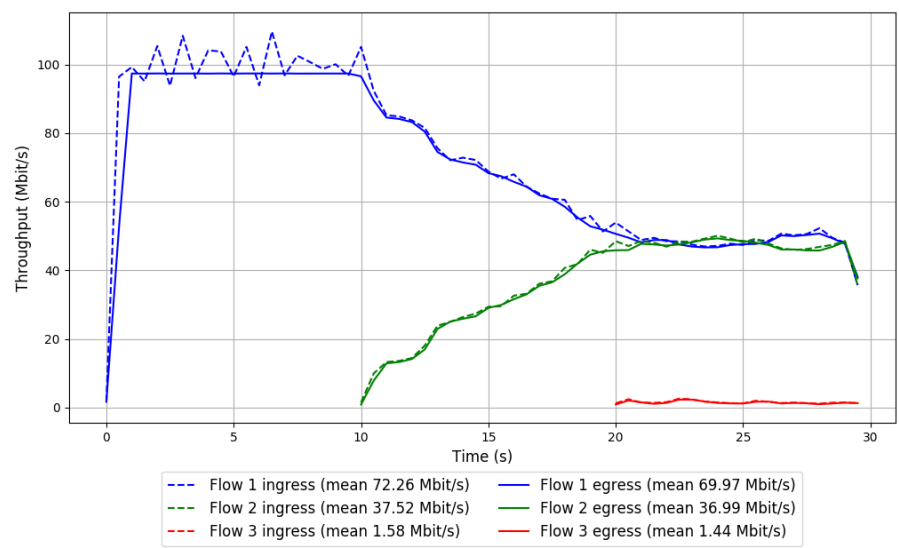
-- Flow 3:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 73.303 ms

Loss rate: 8.72%

Run 2: Report of Vivace-loss — Data Link

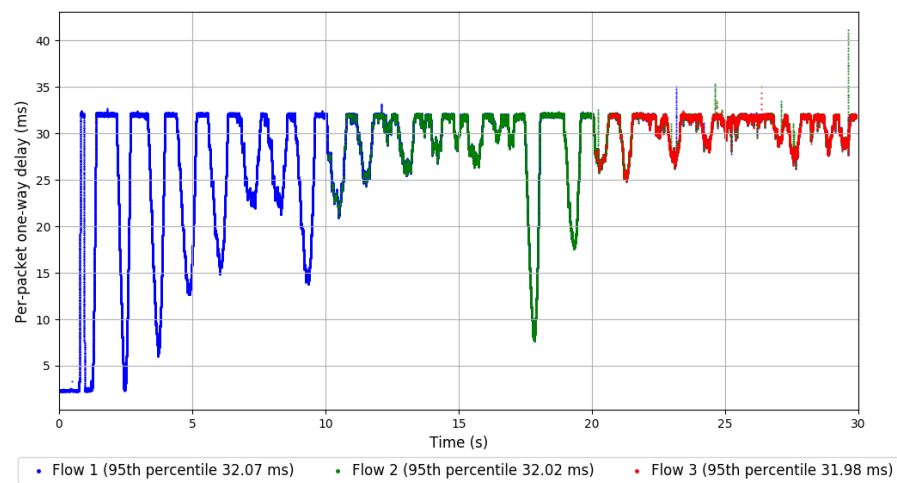
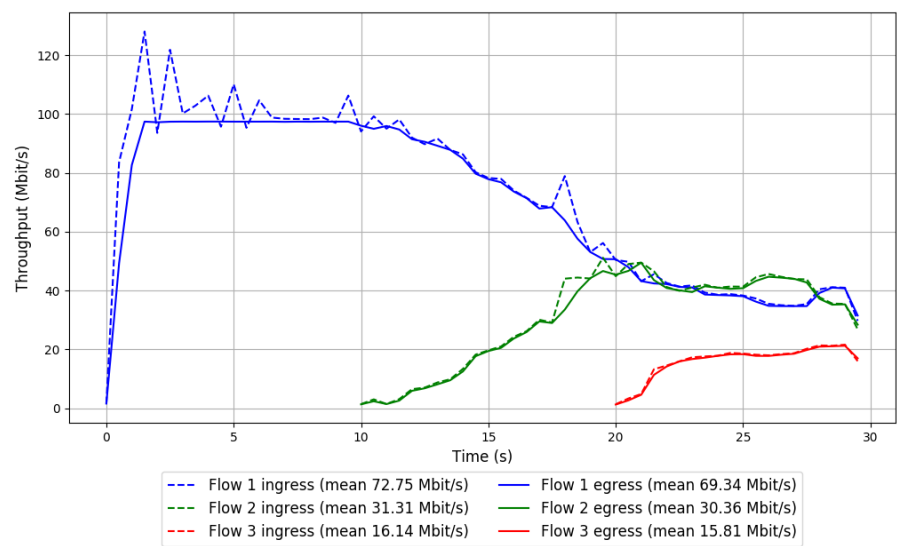


Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 16:00:29
End at: 2018-03-06 16:00:59
Local clock offset: -4.813 ms
Remote clock offset: -6.514 ms

Below is generated by plot.py at 2018-03-06 19:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 31.976 ms
Loss rate: 2.01%

Run 3: Report of Vivace-loss — Data Link

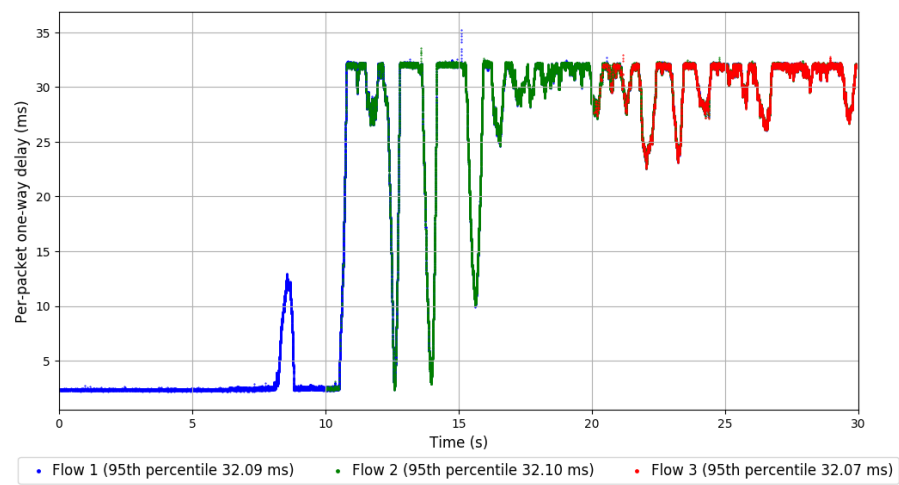
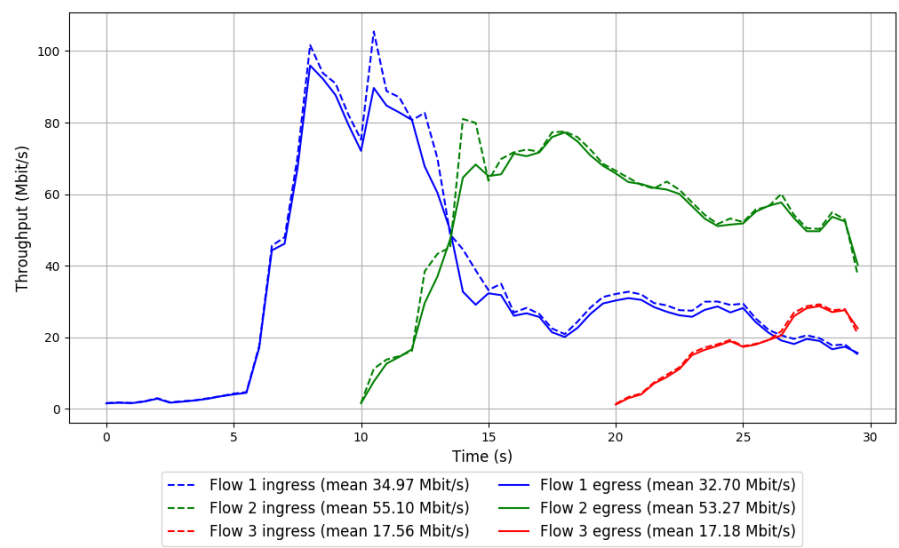


Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 16:21:03
End at: 2018-03-06 16:21:33
Local clock offset: -5.497 ms
Remote clock offset: -6.799 ms

Below is generated by plot.py at 2018-03-06 19:27:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 32.098 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 6.40%
-- Flow 2:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 2.09%

Run 4: Report of Vivace-loss — Data Link

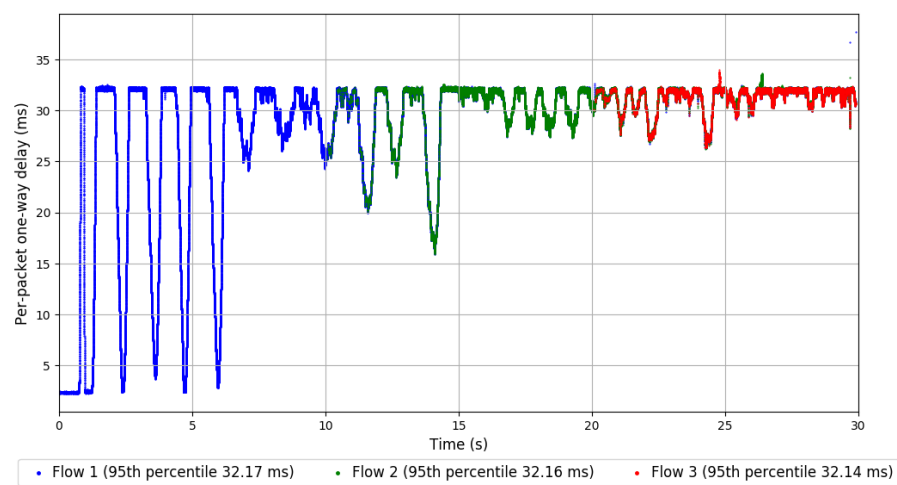
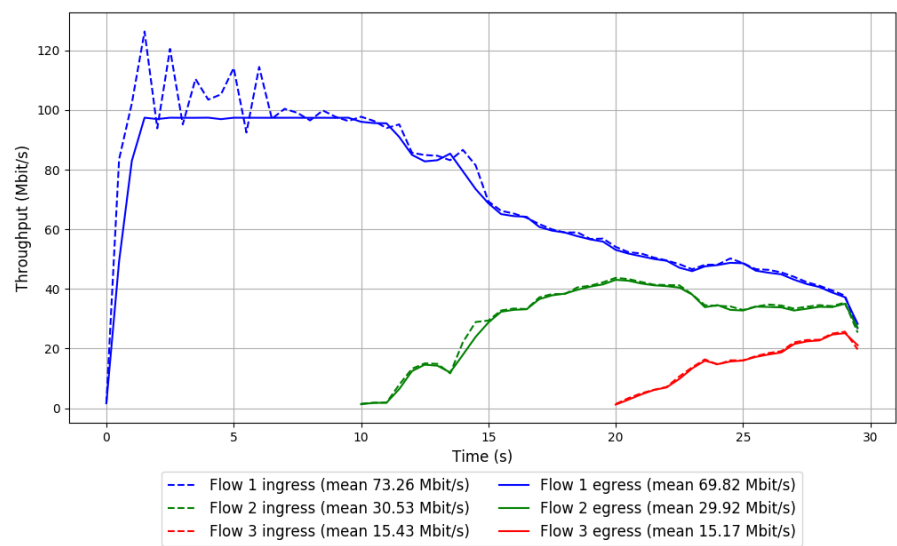


Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 16:41:36
End at: 2018-03-06 16:42:06
Local clock offset: -1.834 ms
Remote clock offset: -7.018 ms

Below is generated by plot.py at 2018-03-06 19:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 32.166 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 32.155 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 32.137 ms
Loss rate: 1.66%

Run 5: Report of Vivace-loss — Data Link

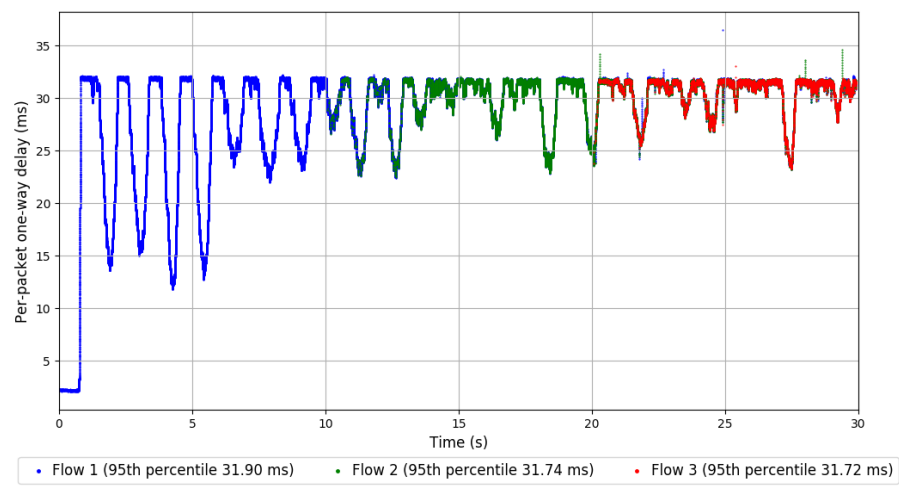
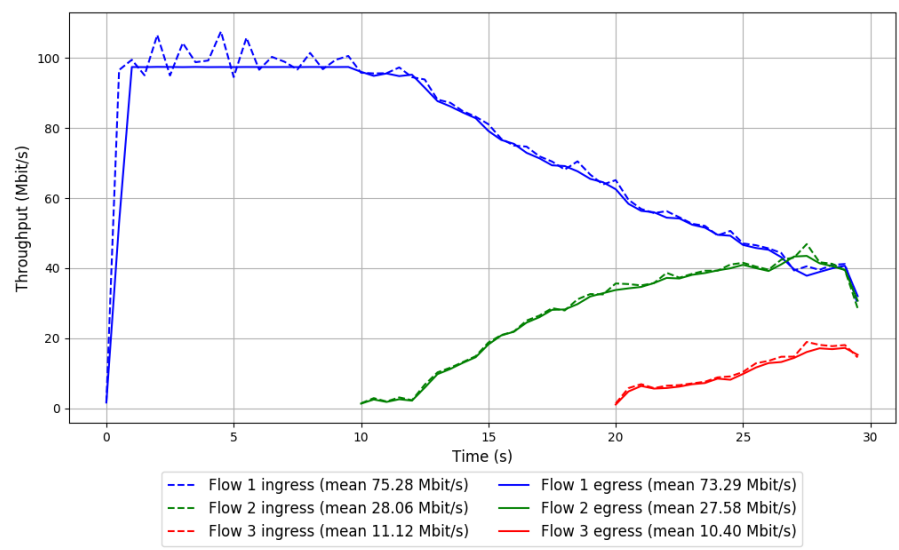


Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 17:02:09
End at: 2018-03-06 17:02:39
Local clock offset: -1.332 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-03-06 19:27:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 31.900 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 31.718 ms
Loss rate: 6.39%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 17:22:41

End at: 2018-03-06 17:23:11

Local clock offset: -4.322 ms

Remote clock offset: 3.358 ms

Below is generated by plot.py at 2018-03-06 19:27:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 31.858 ms

Loss rate: 3.51%

-- Flow 1:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 31.877 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 23.01 Mbit/s

95th percentile per-packet one-way delay: 31.651 ms

Loss rate: 1.64%

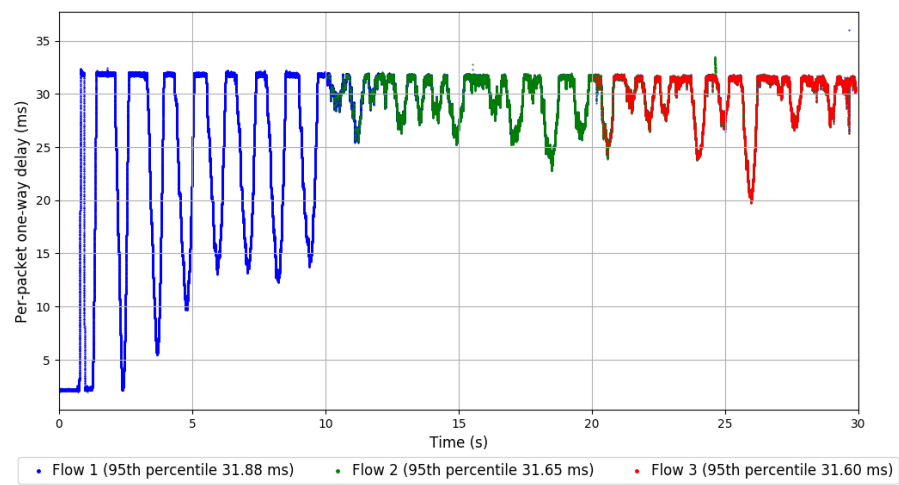
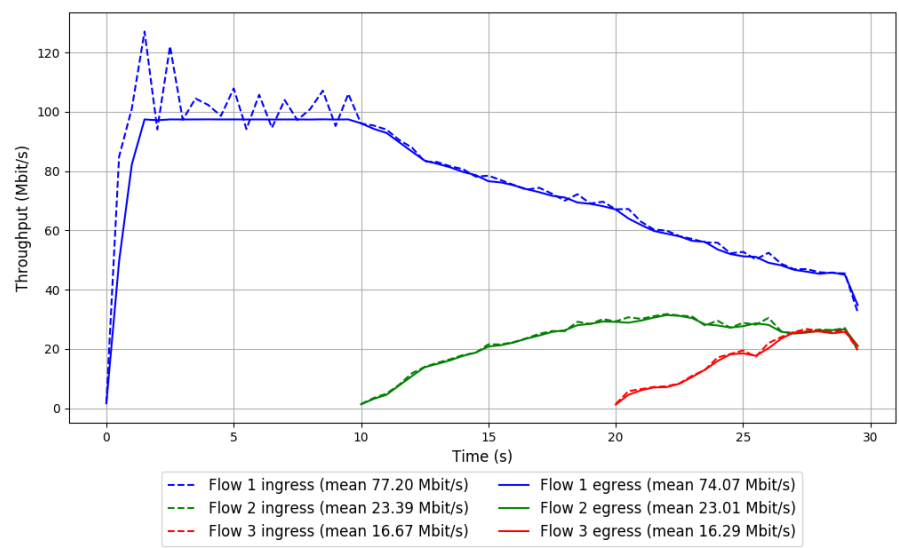
-- Flow 3:

Average throughput: 16.29 Mbit/s

95th percentile per-packet one-way delay: 31.604 ms

Loss rate: 2.31%

Run 7: Report of Vivace-loss — Data Link

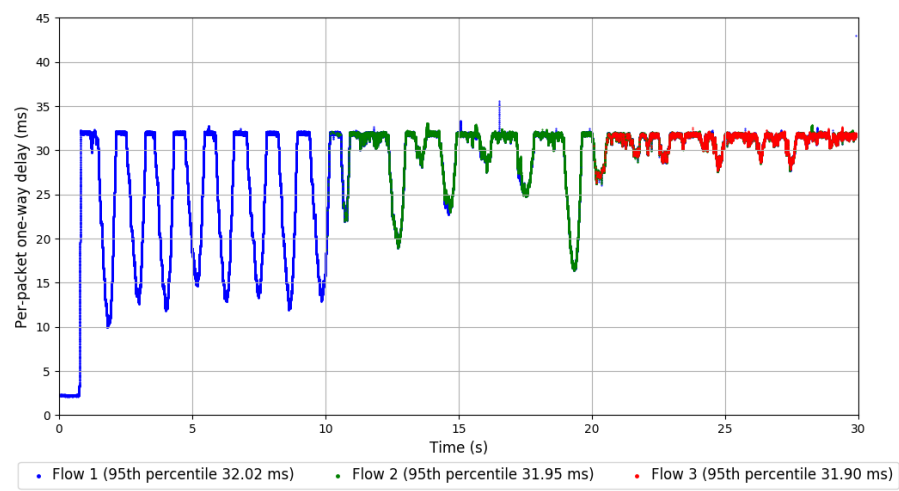
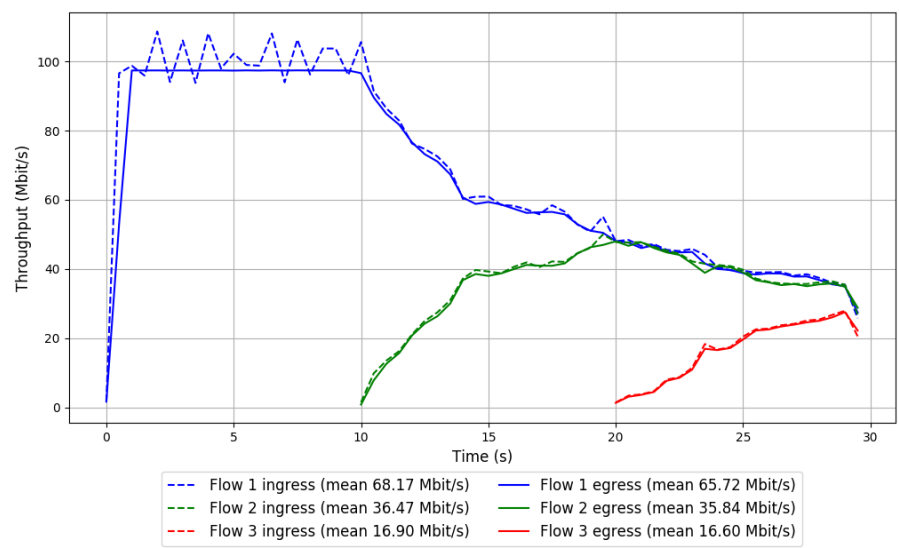


Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 17:43:14
End at: 2018-03-06 17:43:44
Local clock offset: -5.336 ms
Remote clock offset: 10.087 ms

Below is generated by plot.py at 2018-03-06 19:27:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 32.007 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 31.897 ms
Loss rate: 1.79%

Run 8: Report of Vivace-loss — Data Link

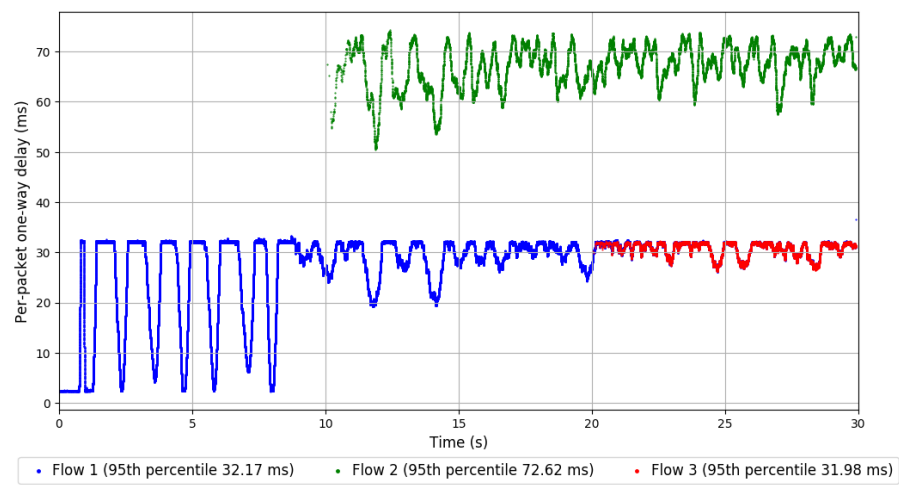
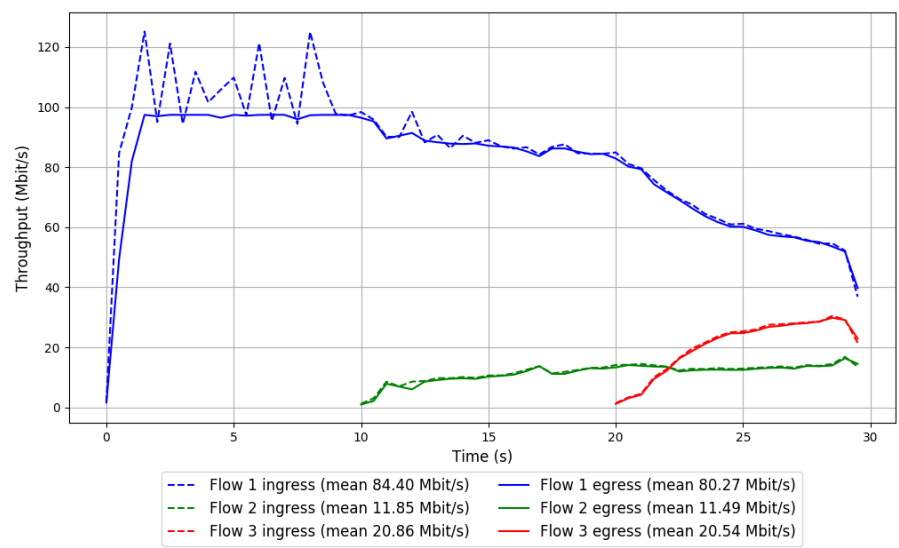


Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 18:03:47
End at: 2018-03-06 18:04:17
Local clock offset: -6.109 ms
Remote clock offset: 13.783 ms

Below is generated by plot.py at 2018-03-06 19:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 66.919 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 4.79%
-- Flow 2:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 72.616 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 31.983 ms
Loss rate: 1.51%

Run 9: Report of Vivace-loss — Data Link

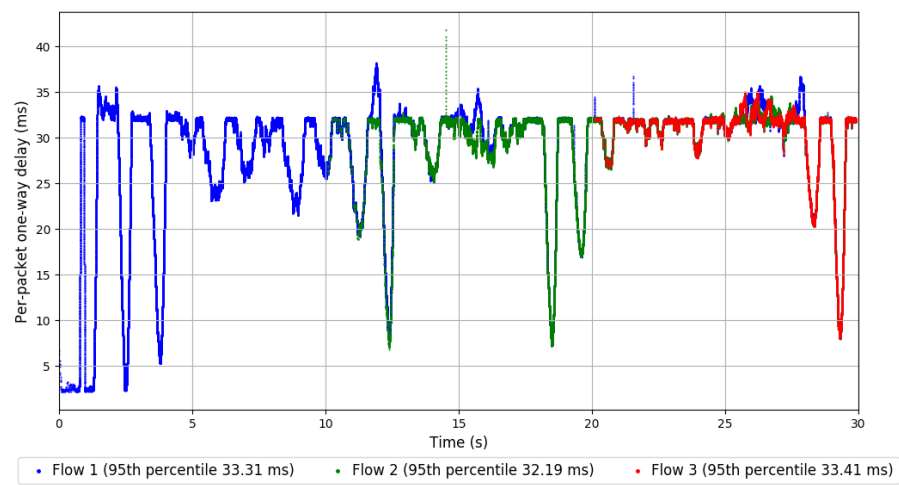
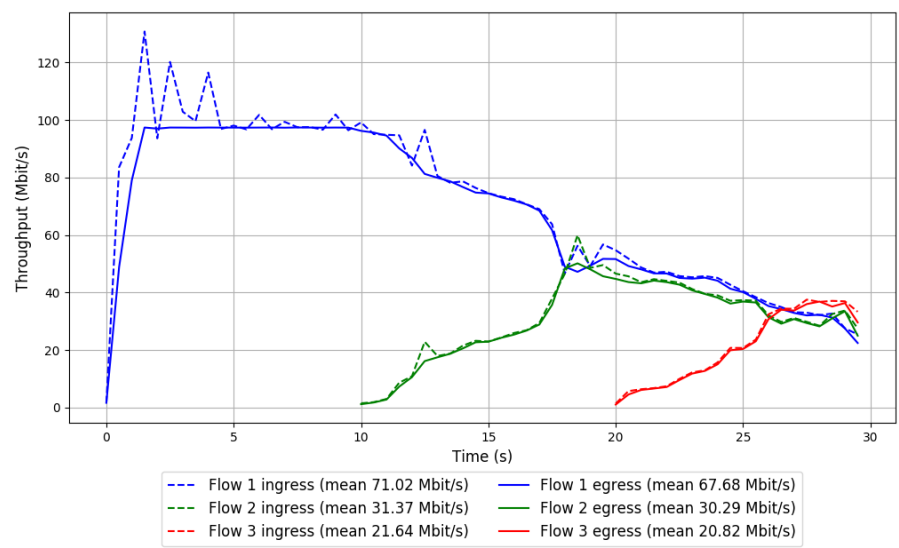


Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 18:24:18
End at: 2018-03-06 18:24:48
Local clock offset: -4.622 ms
Remote clock offset: 16.997 ms

Below is generated by plot.py at 2018-03-06 19:28:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 33.074 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 33.306 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 32.191 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 33.405 ms
Loss rate: 3.78%

Run 10: Report of Vivace-loss — Data Link

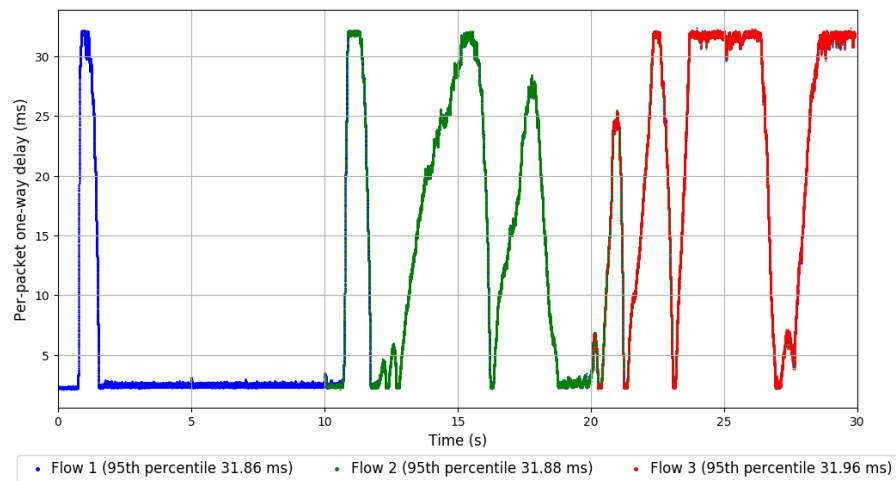
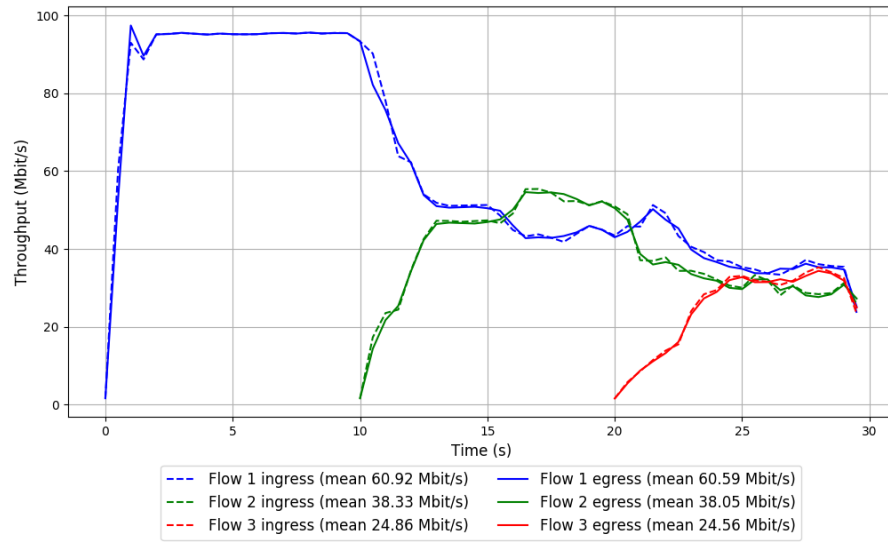


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 15:17:07
End at: 2018-03-06 15:17:37
Local clock offset: -3.612 ms
Remote clock offset: -6.339 ms

Below is generated by plot.py at 2018-03-06 19:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 31.859 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.96%

Run 1: Report of Vivace-LTE — Data Link

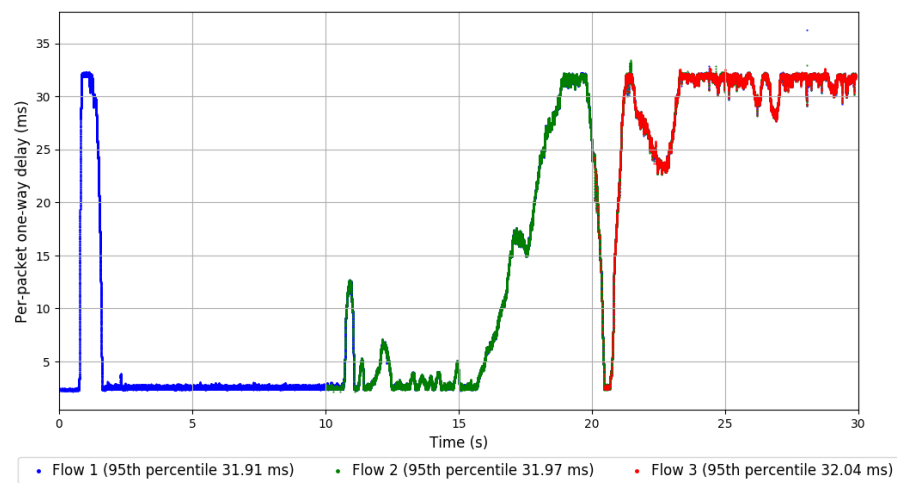
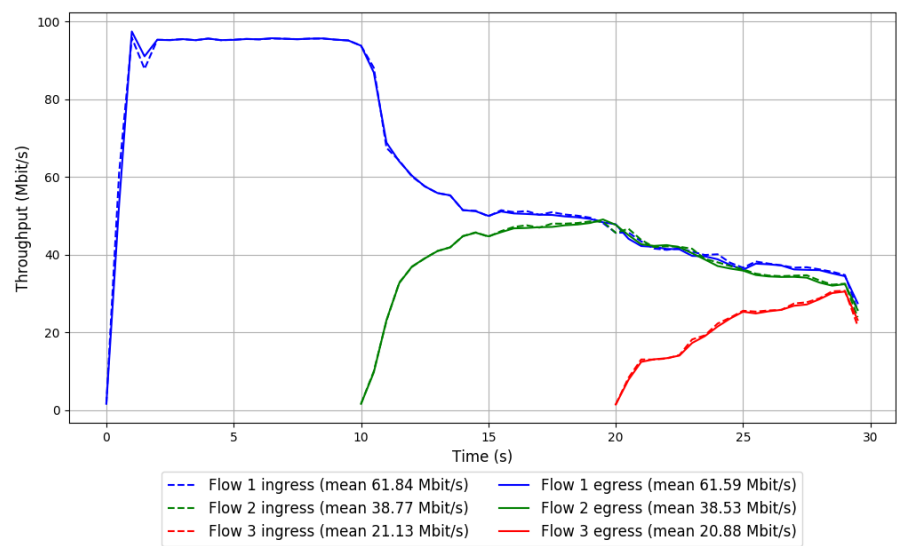


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 15:37:39
End at: 2018-03-06 15:38:09
Local clock offset: -3.874 ms
Remote clock offset: -6.346 ms

Below is generated by plot.py at 2018-03-06 19:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 31.951 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 31.968 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 1.12%

Run 2: Report of Vivace-LTE — Data Link

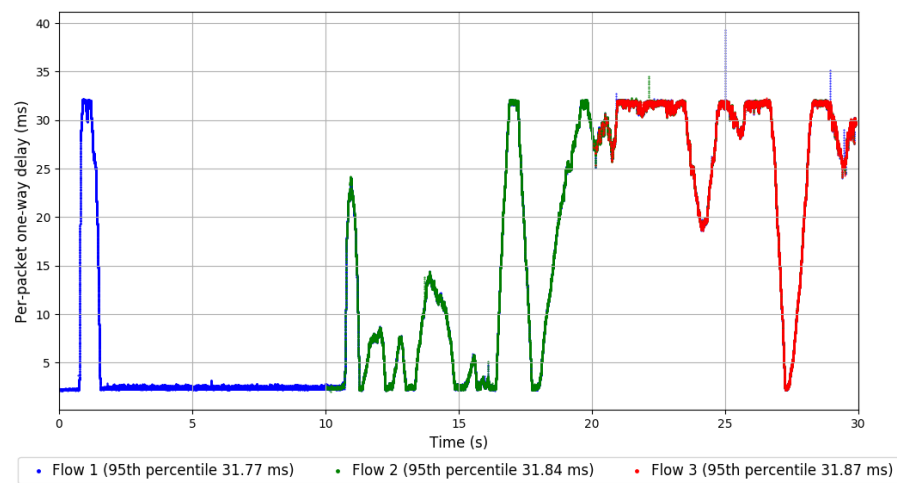
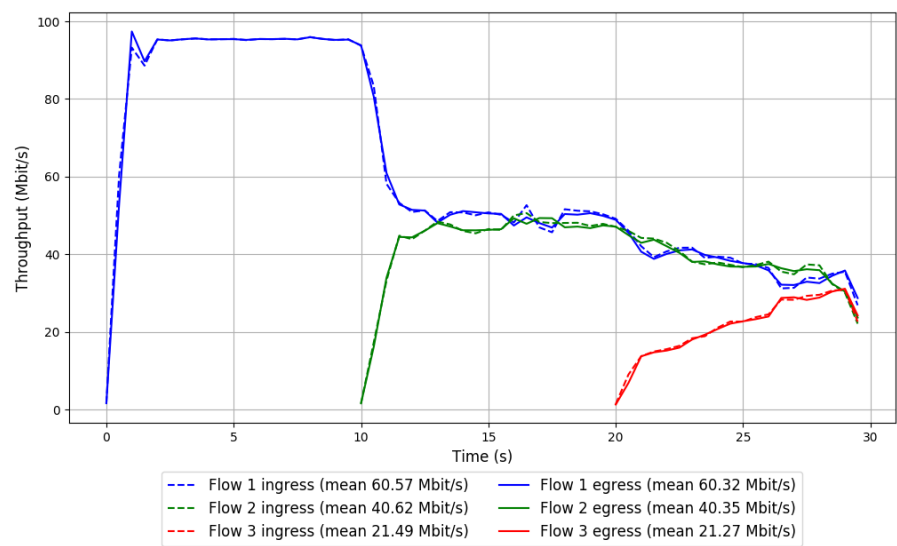


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 15:58:11
End at: 2018-03-06 15:58:41
Local clock offset: -4.59 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-03-06 19:29:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 31.767 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 31.841 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 0.99%

Run 3: Report of Vivace-LTE — Data Link

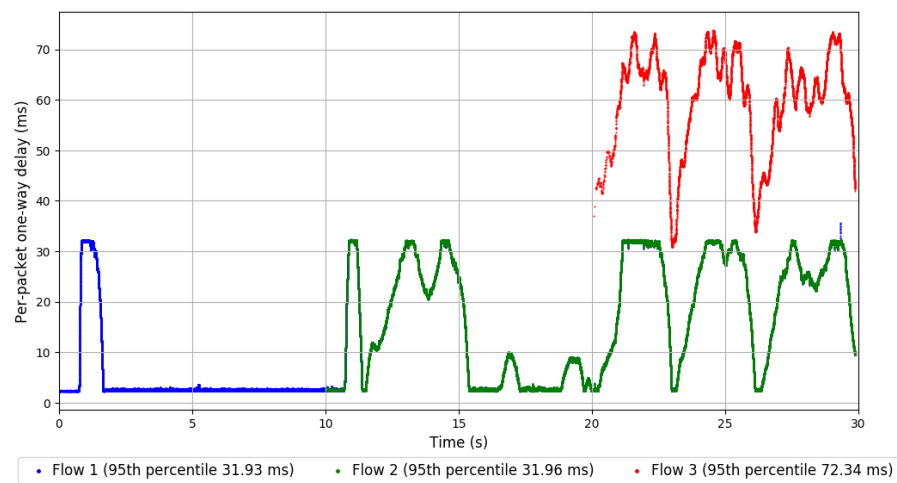
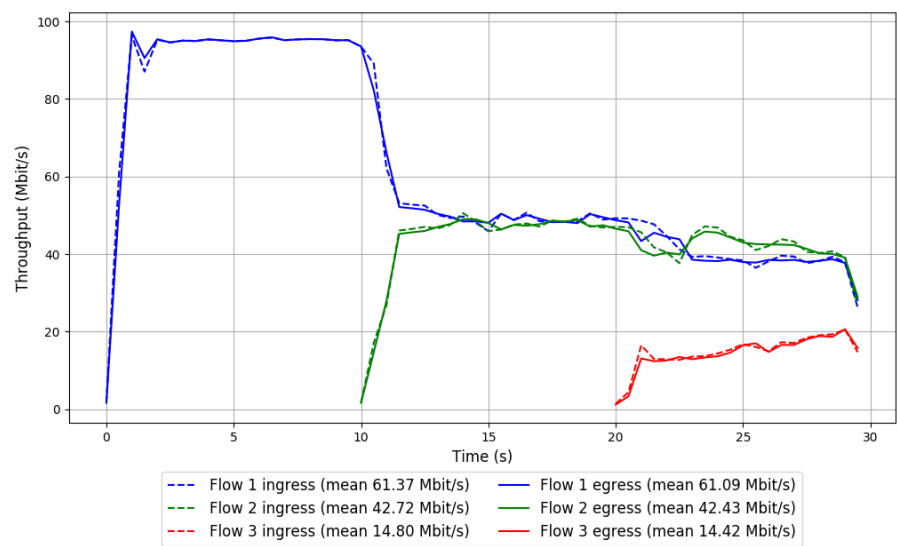


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 16:18:45
End at: 2018-03-06 16:19:15
Local clock offset: -5.422 ms
Remote clock offset: -6.756 ms

Below is generated by plot.py at 2018-03-06 19:29:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 36.988 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 72.337 ms
Loss rate: 2.76%

Run 4: Report of Vivace-LTE — Data Link

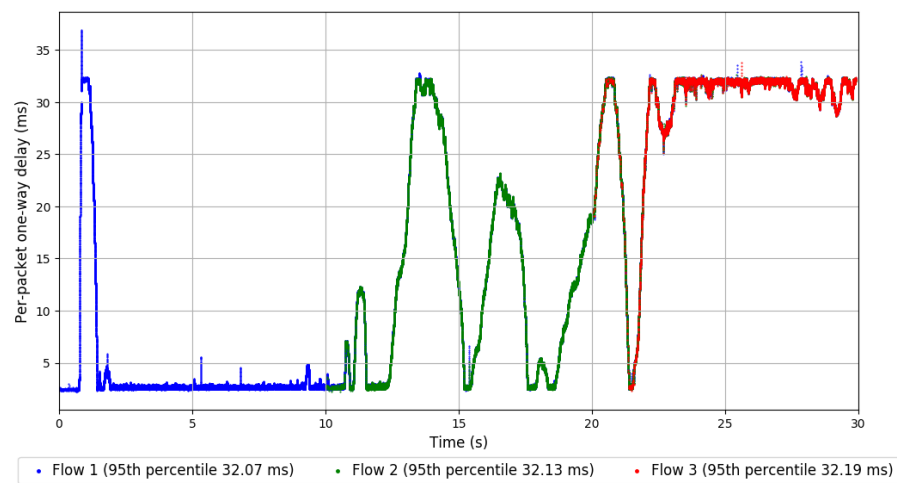
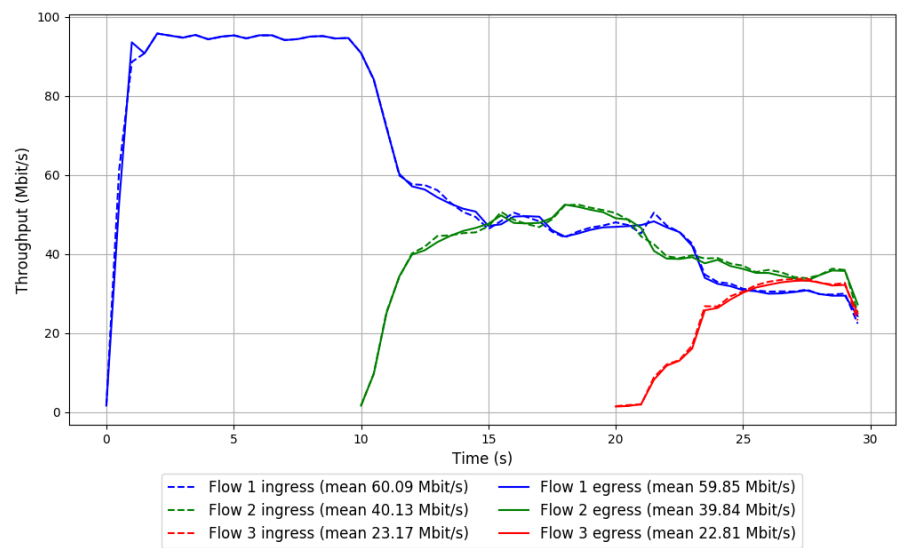


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 16:39:16
End at: 2018-03-06 16:39:46
Local clock offset: -2.151 ms
Remote clock offset: -6.984 ms

Below is generated by plot.py at 2018-03-06 19:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 32.112 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 32.126 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 32.187 ms
Loss rate: 1.42%

Run 5: Report of Vivace-LTE — Data Link

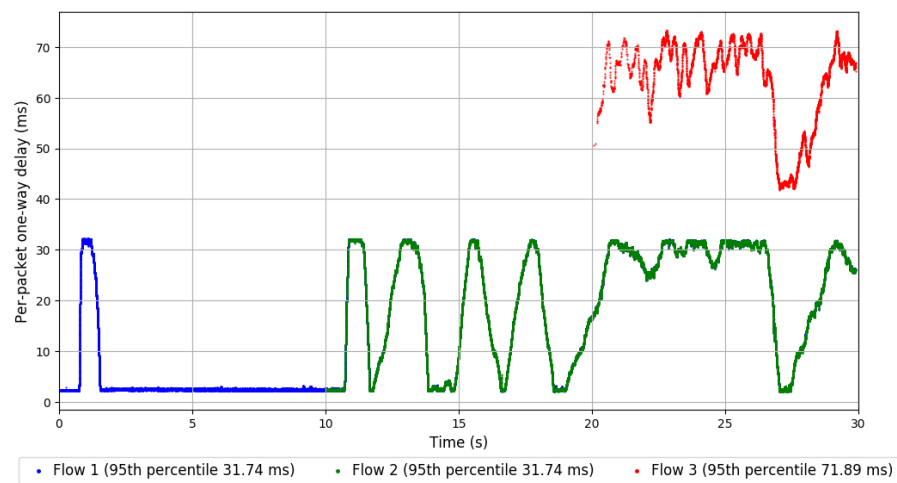
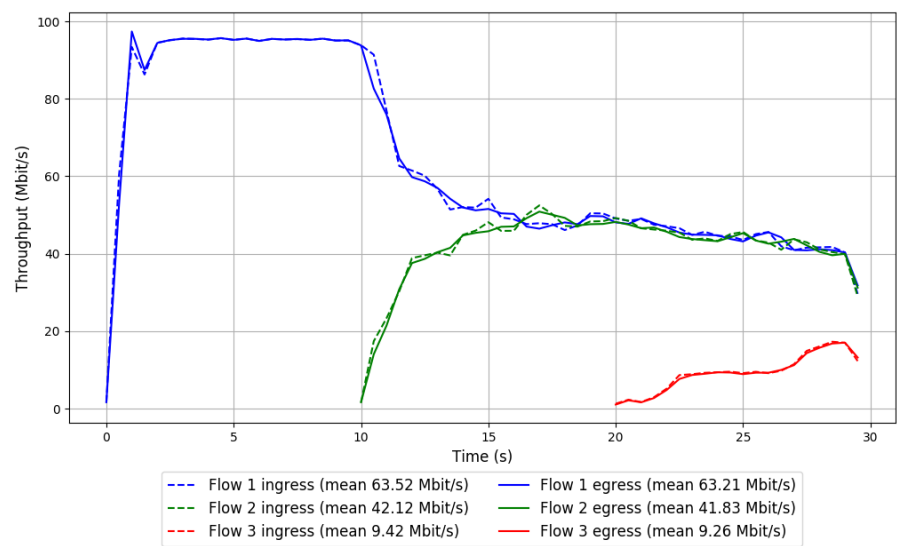


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 16:59:49
End at: 2018-03-06 17:00:19
Local clock offset: -0.644 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2018-03-06 19:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 31.914 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 31.741 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 71.889 ms
Loss rate: 1.93%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 17:20:22

End at: 2018-03-06 17:20:52

Local clock offset: -4.213 ms

Remote clock offset: 1.728 ms

Below is generated by plot.py at 2018-03-06 19:29:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 40.155 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 61.65 Mbit/s

95th percentile per-packet one-way delay: 31.189 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 31.306 ms

Loss rate: 0.22%

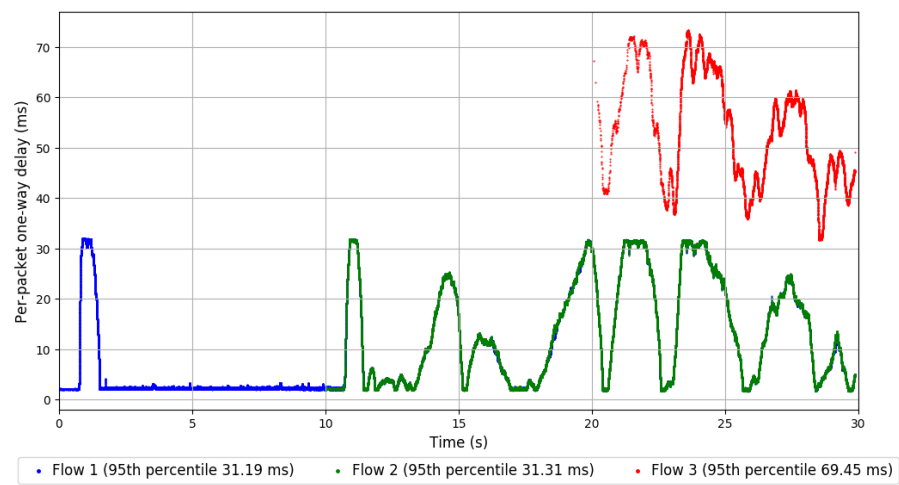
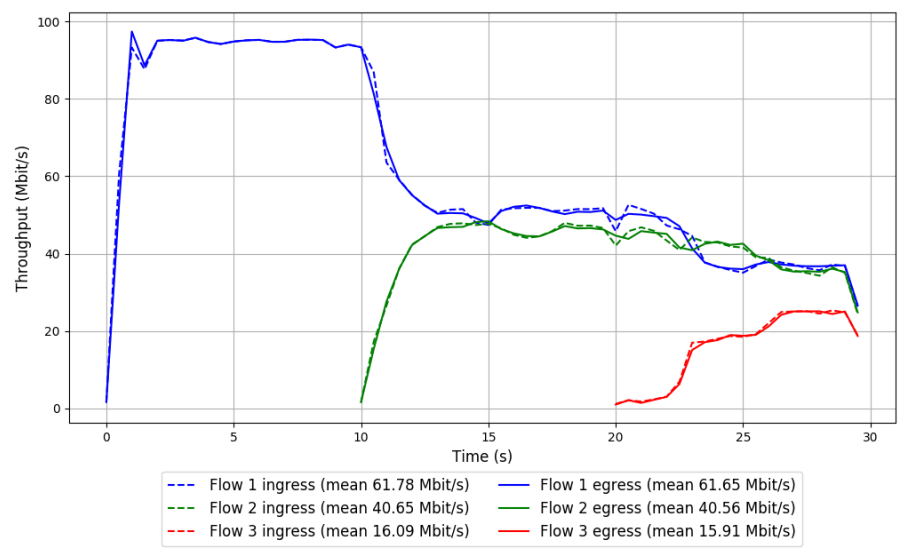
-- Flow 3:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 69.454 ms

Loss rate: 1.66%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 17:40:56

End at: 2018-03-06 17:41:26

Local clock offset: -5.2 ms

Remote clock offset: 9.651 ms

Below is generated by plot.py at 2018-03-06 19:29:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 66.370 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 63.37 Mbit/s

95th percentile per-packet one-way delay: 31.746 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 71.672 ms

Loss rate: 1.85%

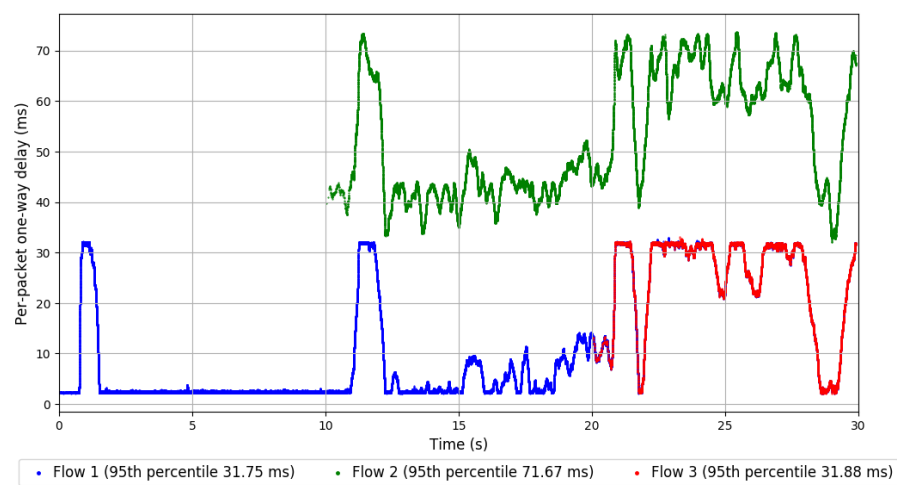
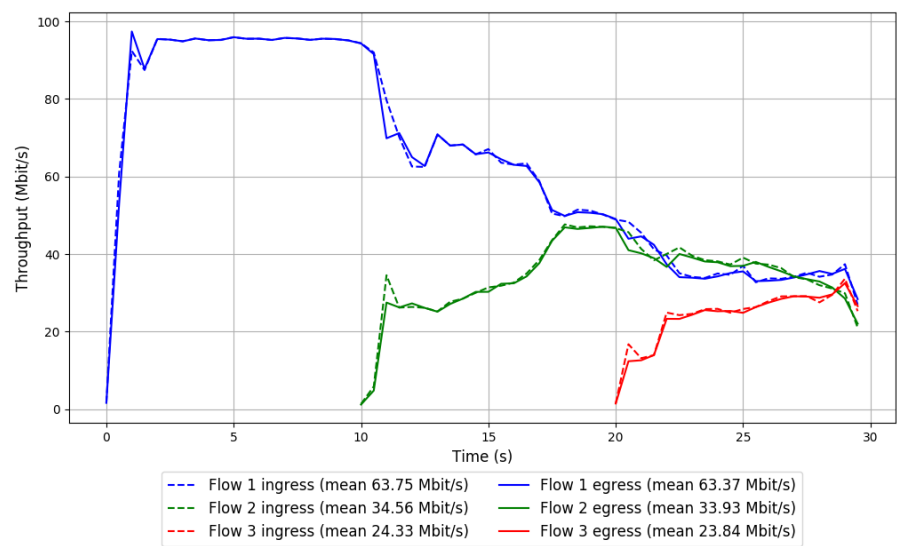
-- Flow 3:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 31.881 ms

Loss rate: 1.85%

Run 8: Report of Vivace-LTE — Data Link

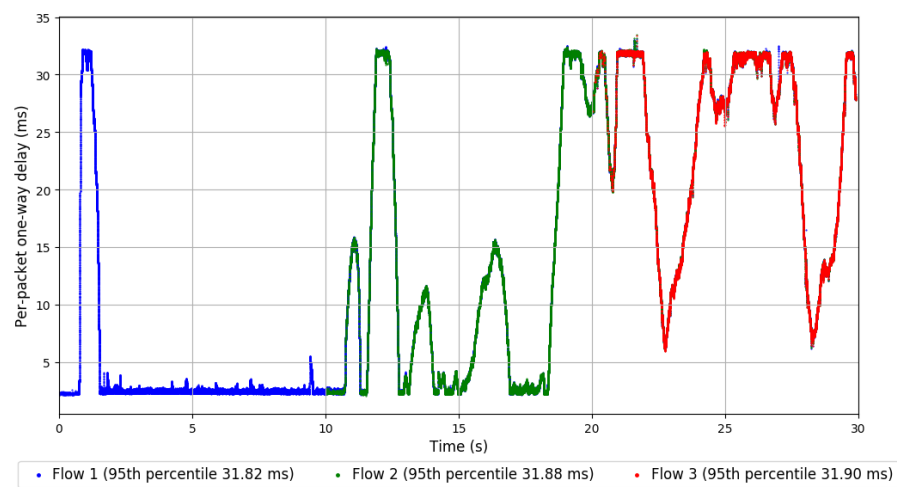
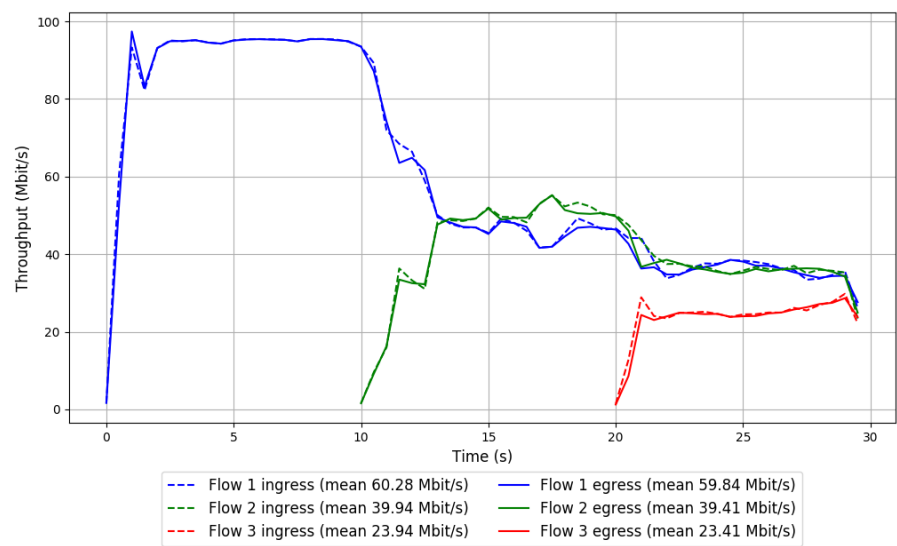


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 18:01:28
End at: 2018-03-06 18:01:58
Local clock offset: -5.937 ms
Remote clock offset: 13.387 ms

```
# Below is generated by plot.py at 2018-03-06 19:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 31.854 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 31.877 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 31.896 ms
Loss rate: 2.21%
```


Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 18:21:59
End at: 2018-03-06 18:22:29
Local clock offset: -4.72 ms
Remote clock offset: 16.664 ms

Below is generated by plot.py at 2018-03-06 19:29:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 31.988 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 31.910 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 32.068 ms
Loss rate: 1.95%

Run 10: Report of Vivace-LTE — Data Link

