

Pantheon Report

Generated at 2017-12-20 11:33:48 (UTC).

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

Repeated the test of 14 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).

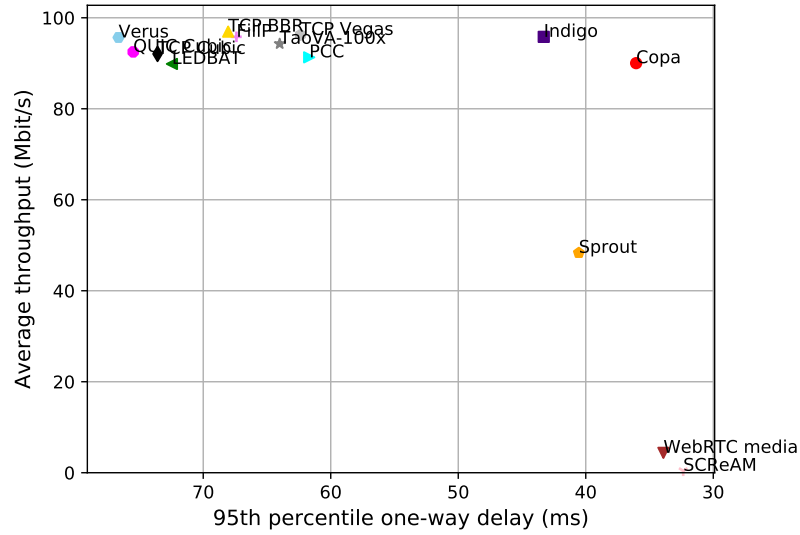
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

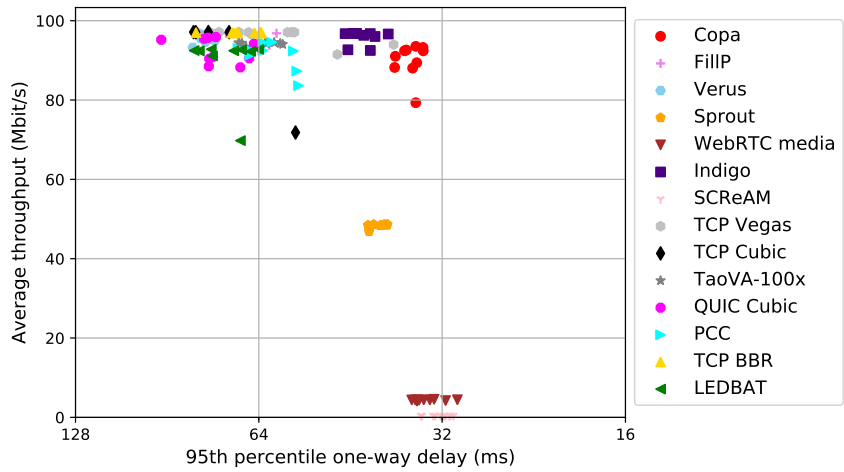
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



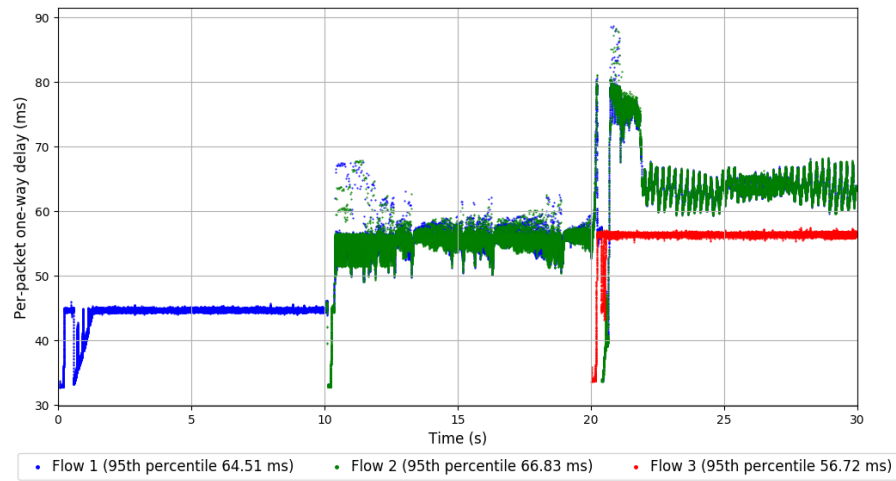
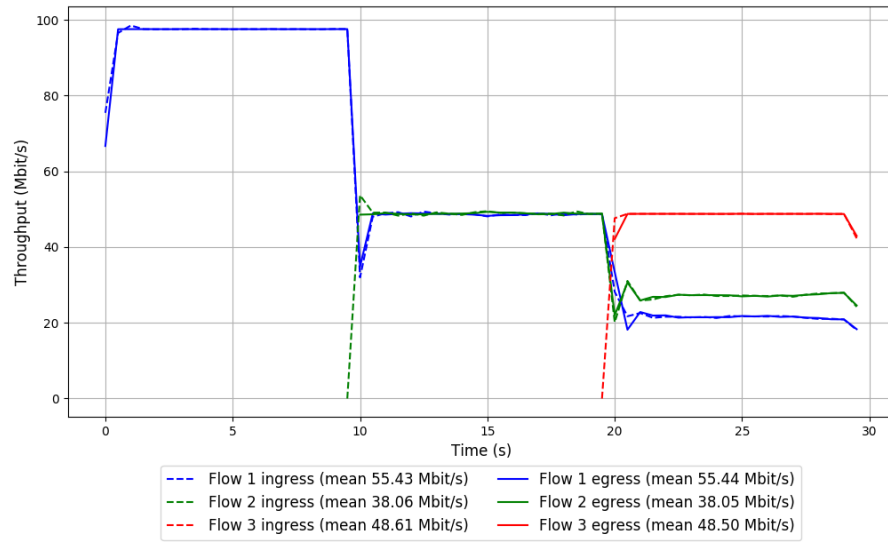
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.37	42.66	30.92	65.35	62.93	71.06	0.11	0.23	0.54
TCP Cubic	5	53.96	47.86	30.41	681.97	69.11	73.84	0.10	0.38	1.20
LEDBAT	9	54.59	37.34	31.27	69.91	70.11	67.89	0.12	0.30	0.72
PCC	9	58.79	40.17	17.57	60.44	55.40	53.82	0.09	0.16	0.41
QUIC Cubic	10	54.85	41.25	31.14	73.17	69.23	71.66	0.11	0.24	0.65
SCReAM	10	0.21	0.21	0.22	32.36	32.37	32.34	0.06	0.18	0.14
WebRTC media	10	2.34	1.46	0.59	33.85	33.85	34.21	0.06	0.23	0.31
Sprout	9	24.31	24.28	23.79	40.11	40.66	41.18	0.11	0.13	0.32
TaoVA-100x	10	60.31	39.24	30.89	58.74	64.60	64.38	0.11	0.24	0.69
TCP Vegas	10	58.29	42.17	30.88	57.47	53.40	58.28	0.07	0.13	0.51
Verus	10	59.38	39.13	31.61	67.68	72.58	70.57	0.10	0.24	0.70
Copa	10	55.87	40.37	29.05	35.86	36.08	36.93	0.05	0.13	0.37
FillP	4	57.64	40.09	34.69	66.52	63.17	63.72	0.12	1.05	2.13
Indigo	10	59.93	37.51	32.97	43.35	42.69	44.09	0.07	0.12	0.33

Run 1: Statistics of TCP BBR

Start at: 2017-12-20 05:06:44
End at: 2017-12-20 05:07:14
Local clock offset: 3.889 ms
Remote clock offset: -10.83 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 64.510 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 66.829 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 56.718 ms
Loss rate: 0.50%

Run 1: Report of TCP BBR — Data Link

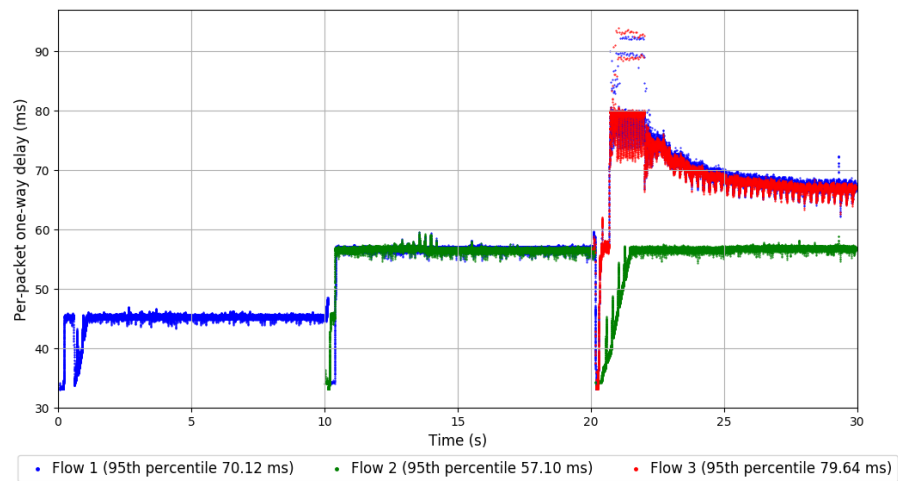
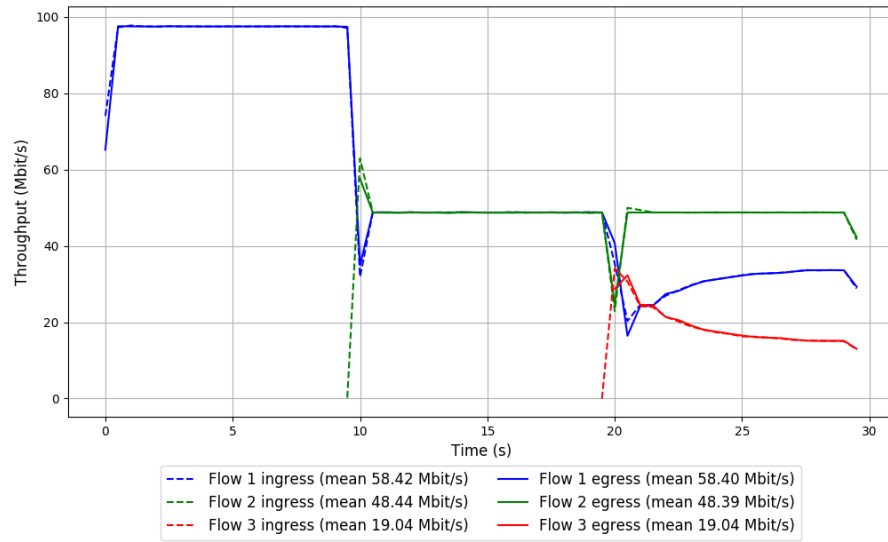


Run 2: Statistics of TCP BBR

Start at: 2017-12-20 05:25:33
End at: 2017-12-20 05:26:03
Local clock offset: 3.021 ms
Remote clock offset: -11.447 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 70.427 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 70.118 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 57.105 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 79.638 ms
Loss rate: 0.49%

Run 2: Report of TCP BBR — Data Link

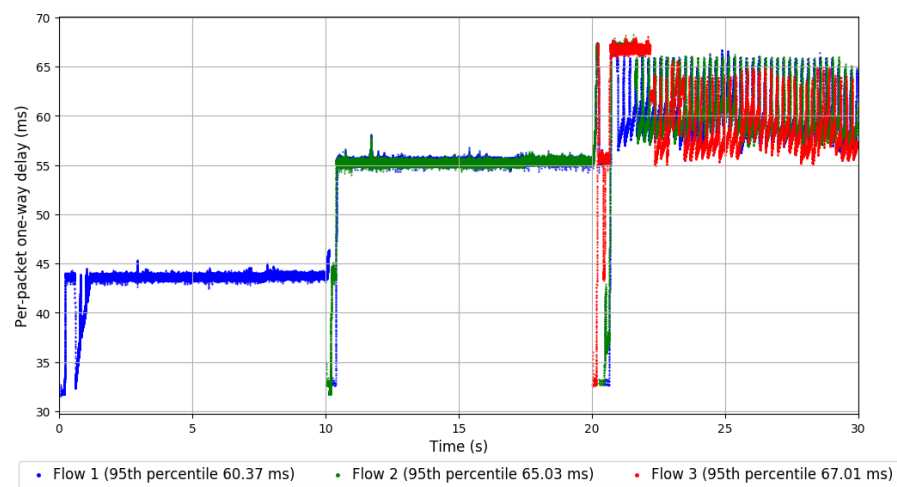
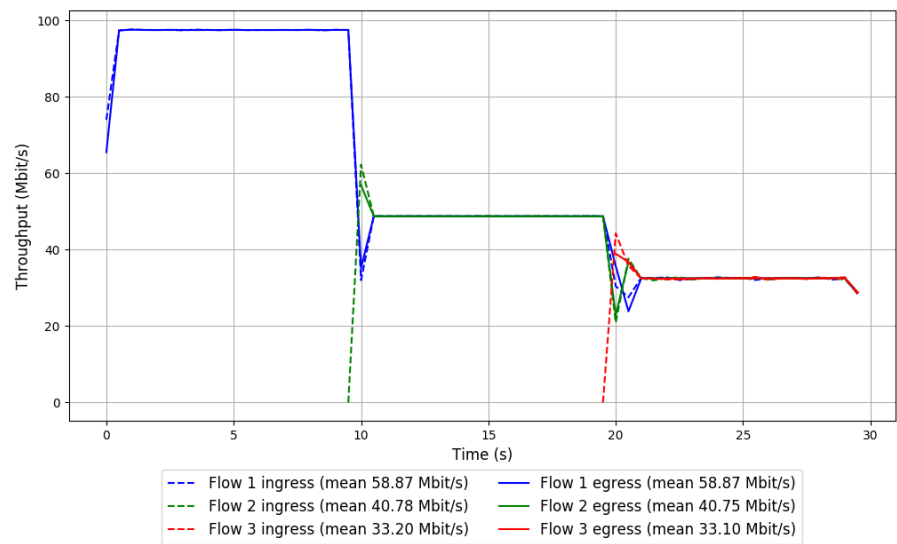


Run 3: Statistics of TCP BBR

Start at: 2017-12-20 05:44:03
End at: 2017-12-20 05:44:33
Local clock offset: 1.911 ms
Remote clock offset: -10.857 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 63.779 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 60.367 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 65.034 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 67.008 ms
Loss rate: 0.57%

Run 3: Report of TCP BBR — Data Link

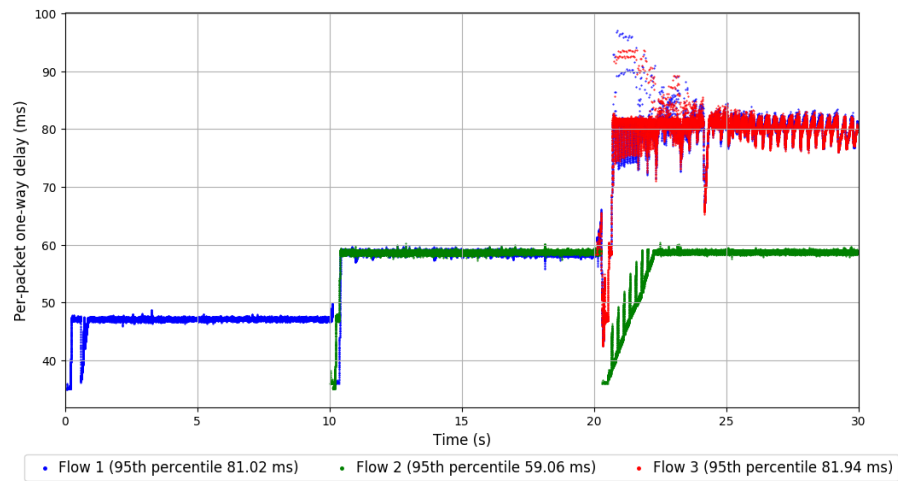
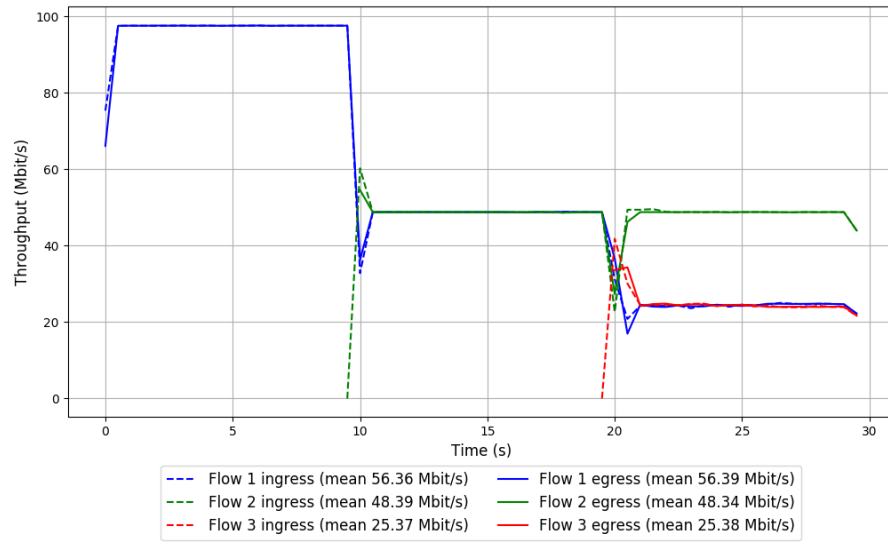


Run 4: Statistics of TCP BBR

Start at: 2017-12-20 06:02:03
End at: 2017-12-20 06:02:33
Local clock offset: 4.048 ms
Remote clock offset: -12.214 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 81.162 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 81.022 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 59.058 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 81.942 ms
Loss rate: 0.72%

Run 4: Report of TCP BBR — Data Link

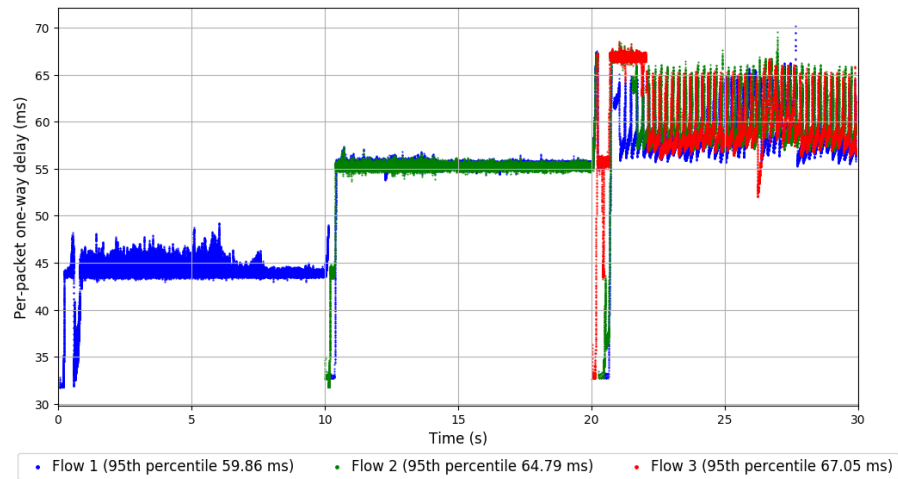
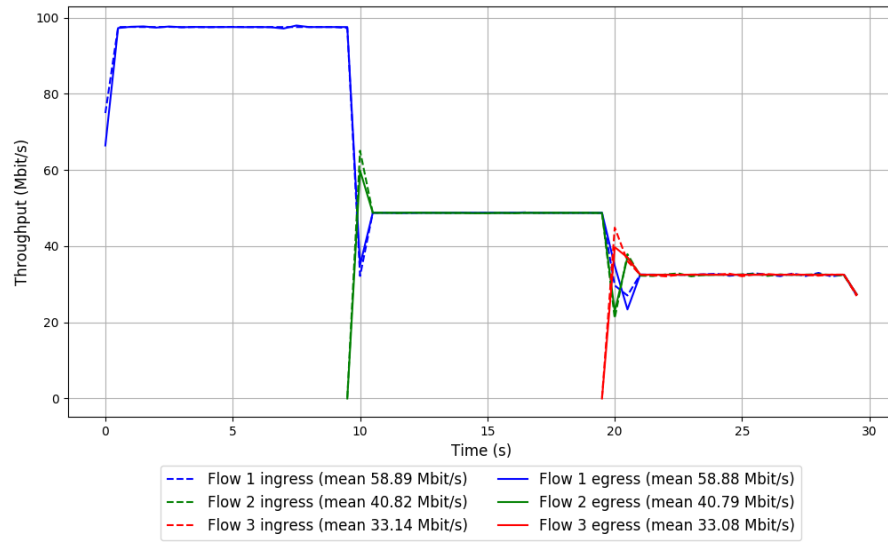


Run 5: Statistics of TCP BBR

Start at: 2017-12-20 06:20:17
End at: 2017-12-20 06:20:47
Local clock offset: 2.192 ms
Remote clock offset: -10.994 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 63.518 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 59.864 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 64.794 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 67.053 ms
Loss rate: 0.51%

Run 5: Report of TCP BBR — Data Link

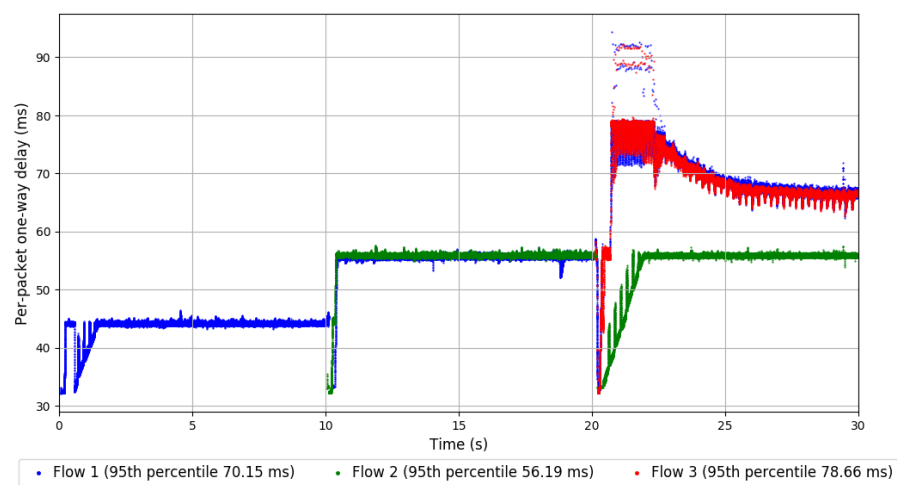
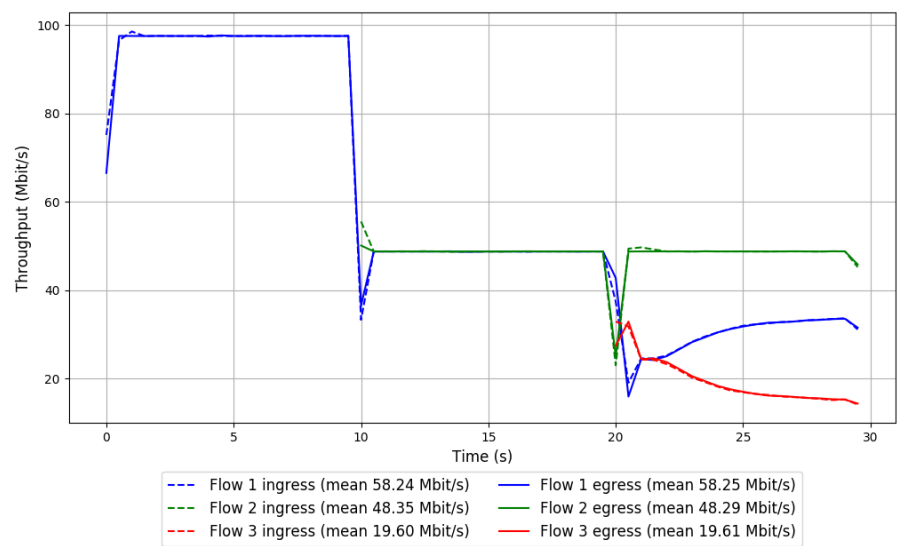


Run 6: Statistics of TCP BBR

Start at: 2017-12-20 06:40:04
End at: 2017-12-20 06:40:34
Local clock offset: 1.507 ms
Remote clock offset: -12.048 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 70.882 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 70.148 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 56.189 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 78.661 ms
Loss rate: 0.43%

Run 6: Report of TCP BBR — Data Link

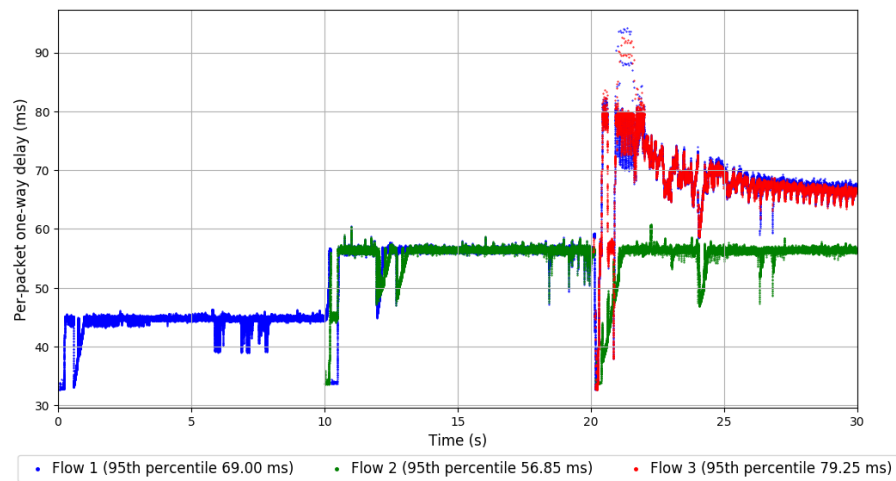
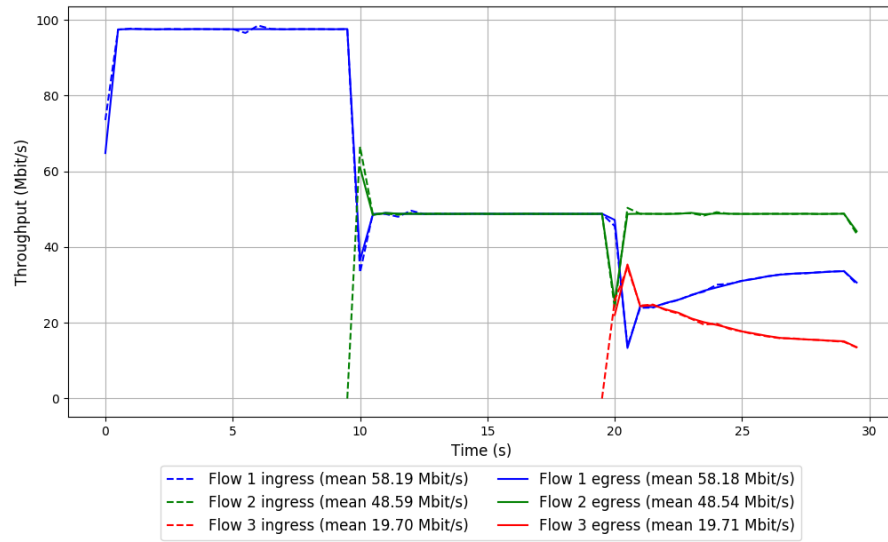


Run 7: Statistics of TCP BBR

Start at: 2017-12-20 06:59:20
End at: 2017-12-20 06:59:50
Local clock offset: 0.56 ms
Remote clock offset: -13.806 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 69.387 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 69.000 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 56.852 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 79.255 ms
Loss rate: 0.47%

Run 7: Report of TCP BBR — Data Link

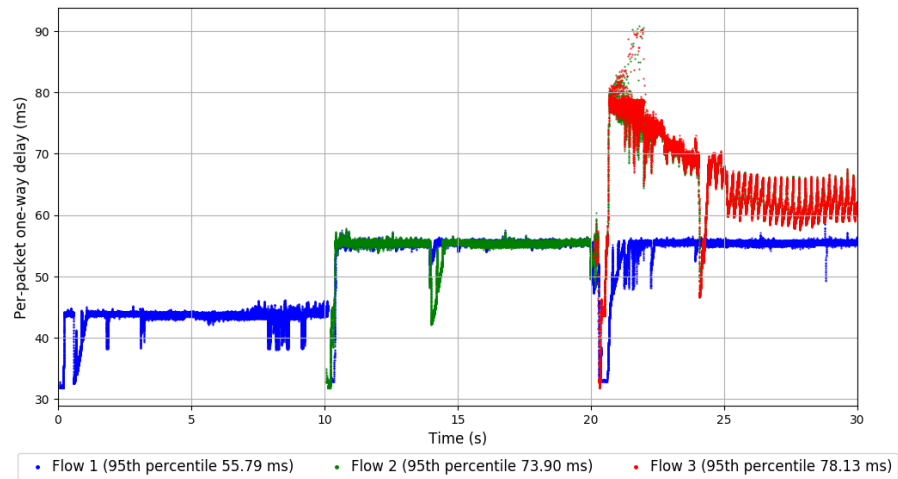
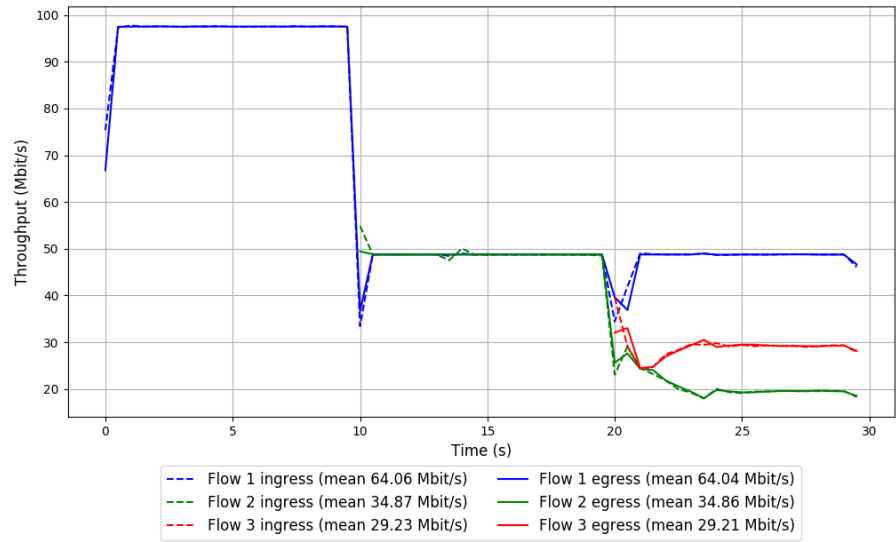


Run 8: Statistics of TCP BBR

Start at: 2017-12-20 07:18:29
End at: 2017-12-20 07:18:59
Local clock offset: 0.878 ms
Remote clock offset: -13.006 ms

Below is generated by plot.py at 2017-12-20 11:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 55.791 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 73.899 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 78.128 ms
Loss rate: 0.59%

Run 8: Report of TCP BBR — Data Link

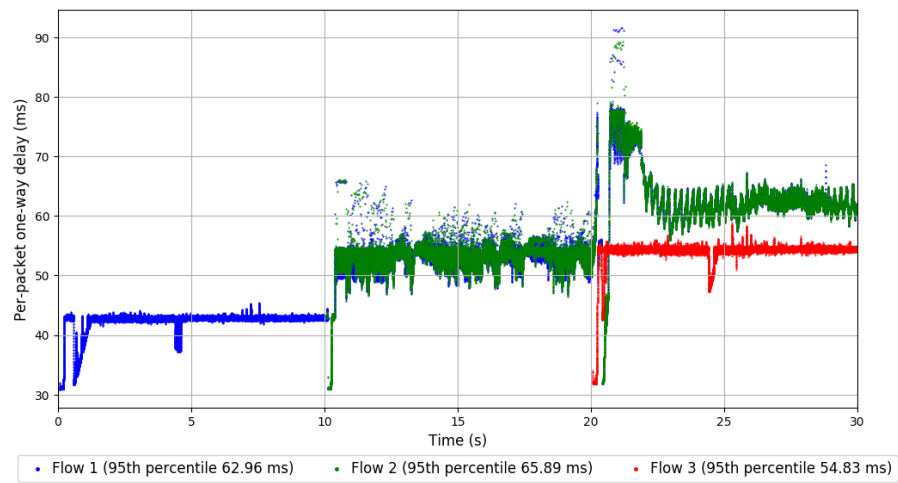
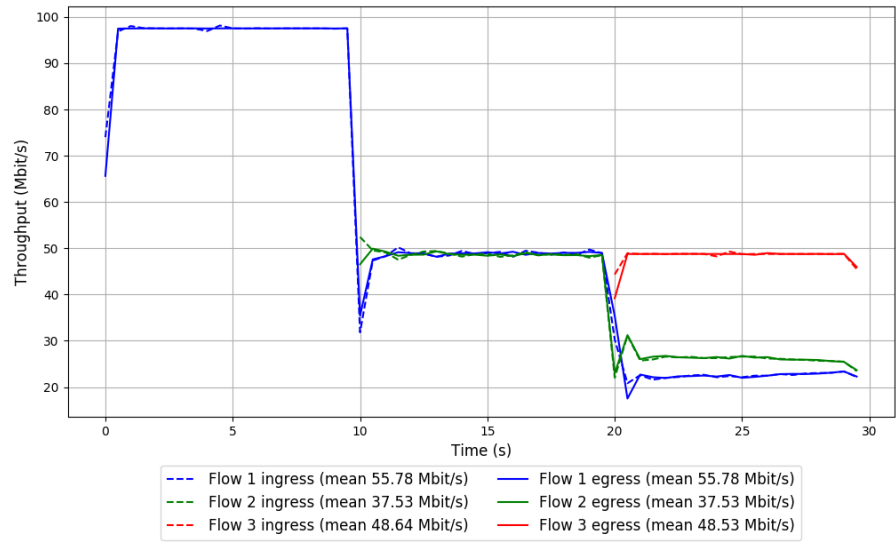


Run 9: Statistics of TCP BBR

Start at: 2017-12-20 07:37:26
End at: 2017-12-20 07:37:56
Local clock offset: -0.614 ms
Remote clock offset: -13.598 ms

Below is generated by plot.py at 2017-12-20 11:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 63.497 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 65.888 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 54.830 ms
Loss rate: 0.50%

Run 9: Report of TCP BBR — Data Link

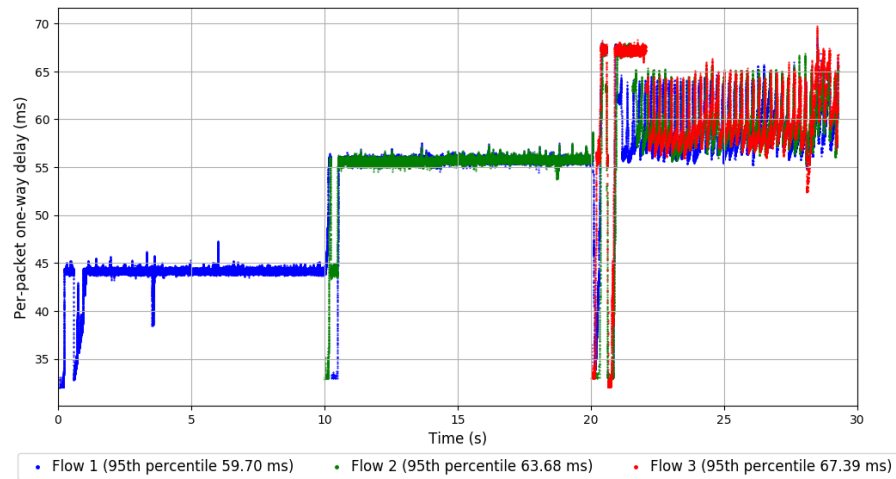
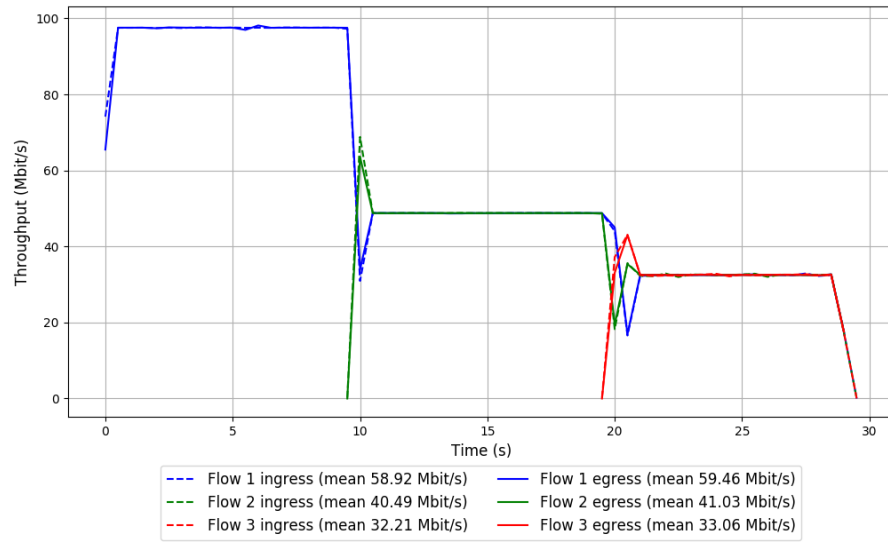


Run 10: Statistics of TCP BBR

Start at: 2017-12-20 07:57:39
End at: 2017-12-20 07:58:09
Local clock offset: 1.563 ms
Remote clock offset: -12.774 ms

Below is generated by plot.py at 2017-12-20 11:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 63.405 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 59.705 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 67.391 ms
Loss rate: 0.61%

Run 10: Report of TCP BBR — Data Link

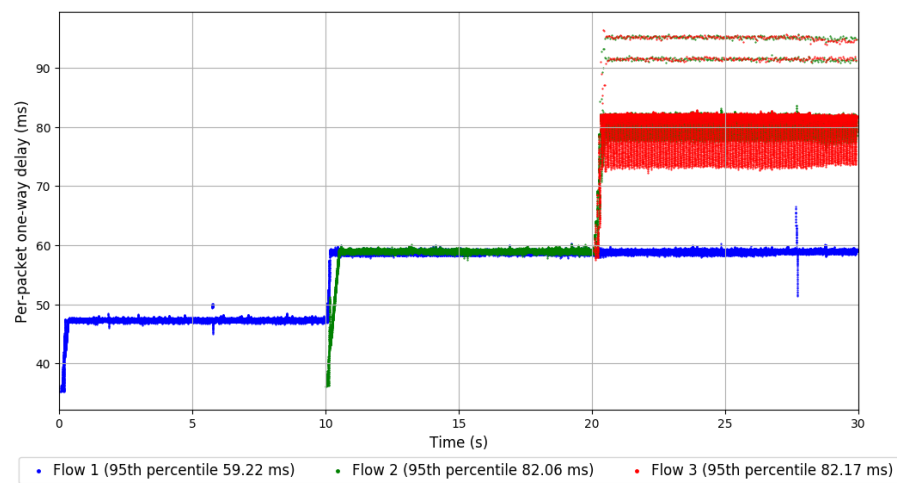
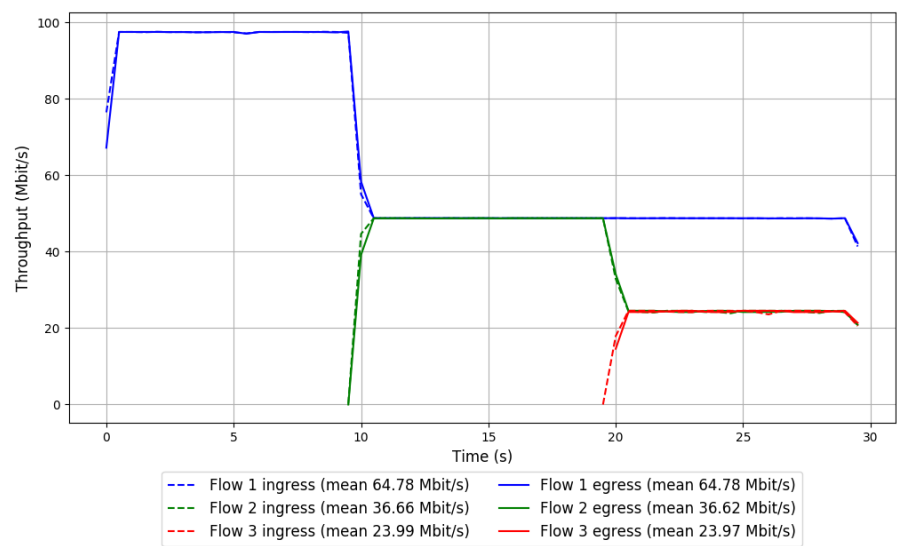


Run 1: Statistics of TCP Cubic

Start at: 2017-12-20 05:09:11
End at: 2017-12-20 05:09:41
Local clock offset: 4.556 ms
Remote clock offset: -12.587 ms

Below is generated by plot.py at 2017-12-20 11:15:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 81.909 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 59.218 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 82.063 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 82.171 ms
Loss rate: 0.67%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

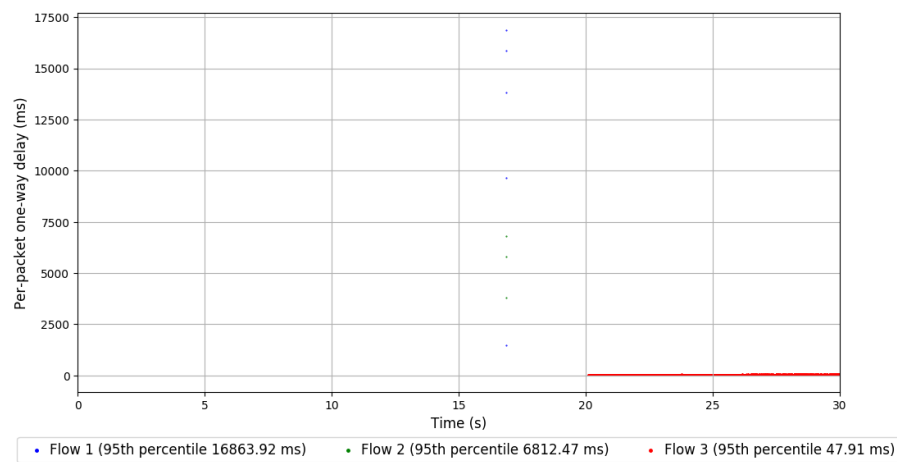
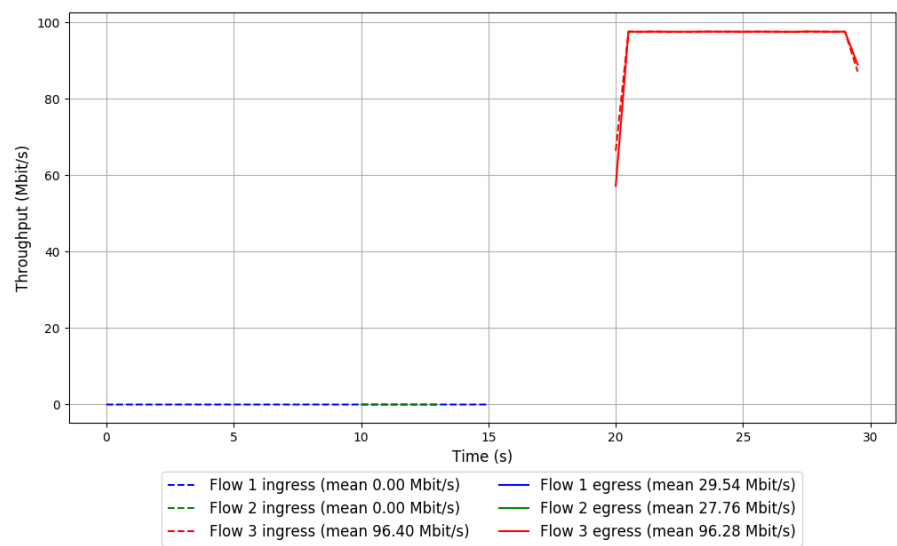
Start at: 2017-12-20 05:28:06

End at: 2017-12-20 05:28:36

Local clock offset: 5.731 ms

Remote clock offset: -10.692 ms

Run 2: Report of TCP Cubic — Data Link

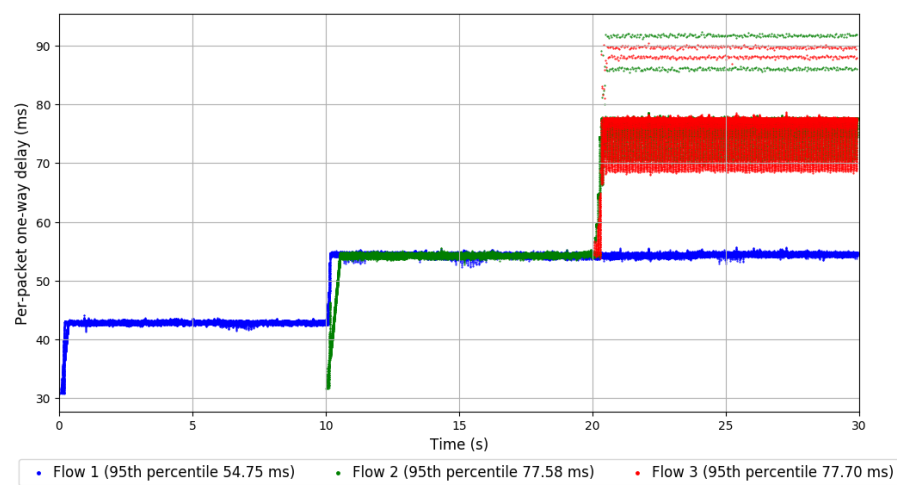
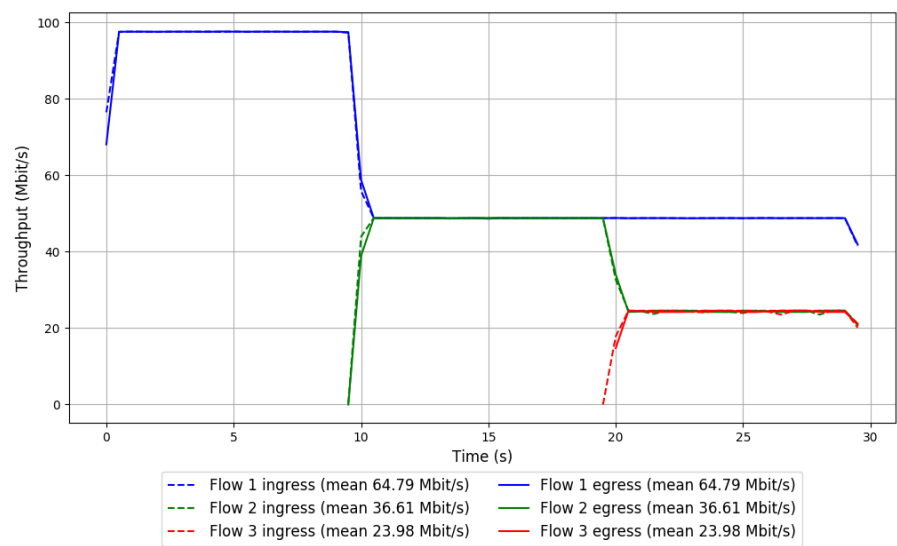


Run 3: Statistics of TCP Cubic

Start at: 2017-12-20 05:46:26
End at: 2017-12-20 05:46:56
Local clock offset: -4.072 ms
Remote clock offset: -15.969 ms

Below is generated by plot.py at 2017-12-20 11:15:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 77.453 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 54.747 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 77.579 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 77.699 ms
Loss rate: 0.65%

Run 3: Report of TCP Cubic — Data Link

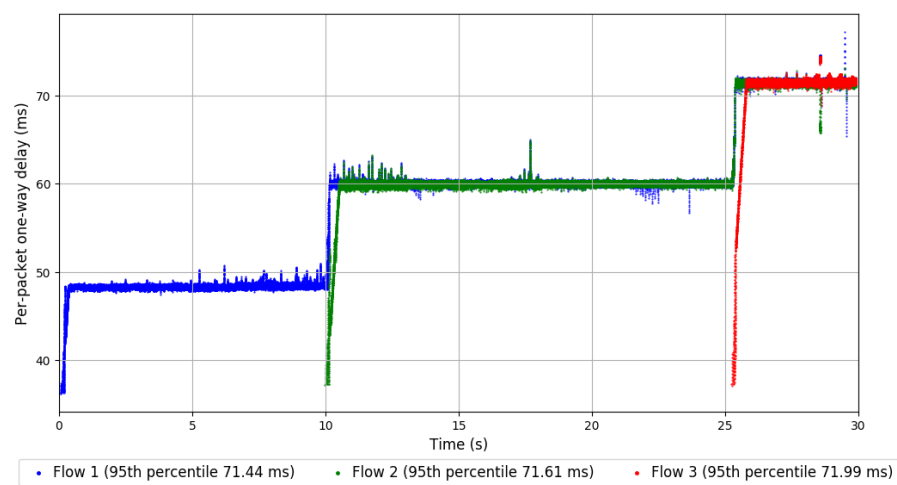
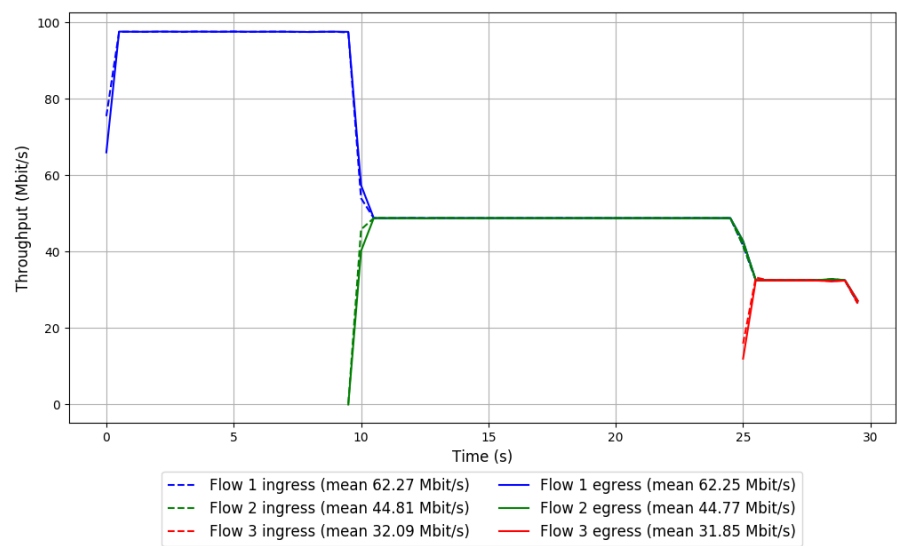


Run 4: Statistics of TCP Cubic

Start at: 2017-12-20 06:04:28
End at: 2017-12-20 06:04:58
Local clock offset: 5.711 ms
Remote clock offset: -11.853 ms

Below is generated by plot.py at 2017-12-20 11:15:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 71.632 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 71.439 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 71.609 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 1.32%

Run 4: Report of TCP Cubic — Data Link

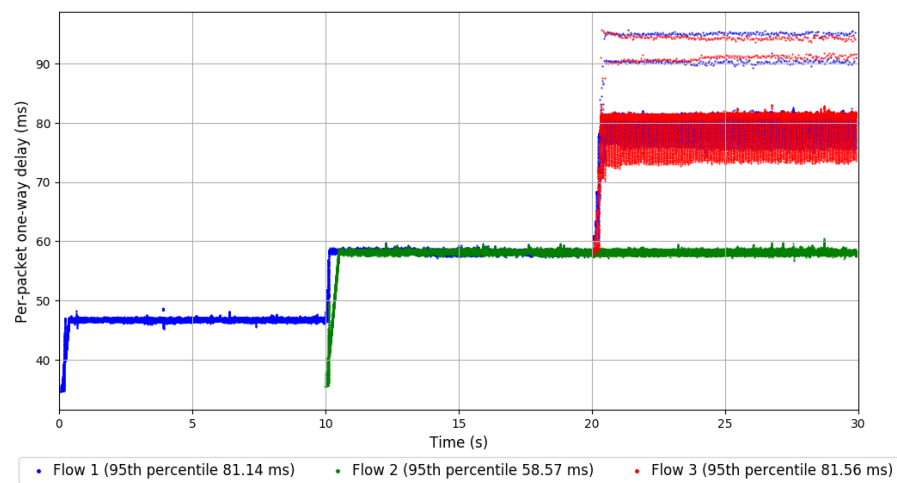
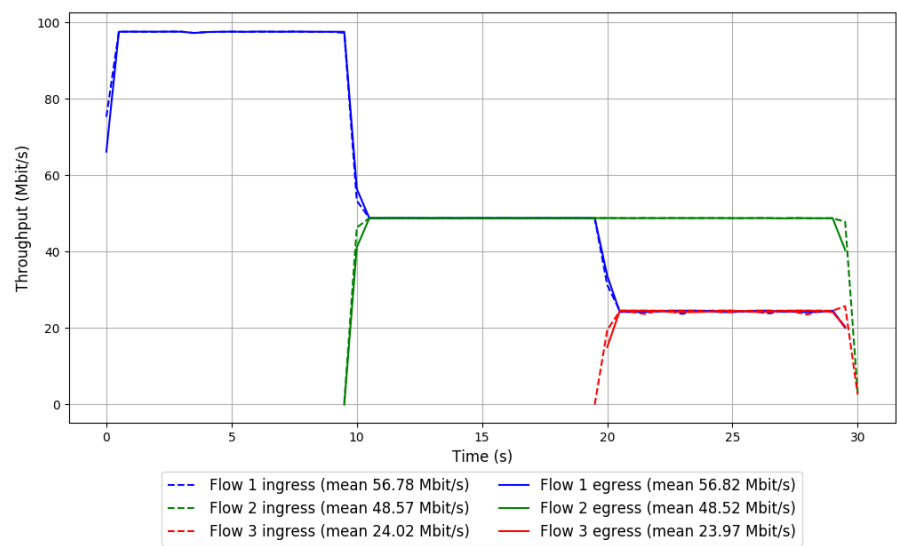


Run 5: Statistics of TCP Cubic

Start at: 2017-12-20 06:22:42
End at: 2017-12-20 06:23:12
Local clock offset: 5.867 ms
Remote clock offset: -10.19 ms

Below is generated by plot.py at 2017-12-20 11:15:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 81.217 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 58.573 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 81.559 ms
Loss rate: 2.37%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

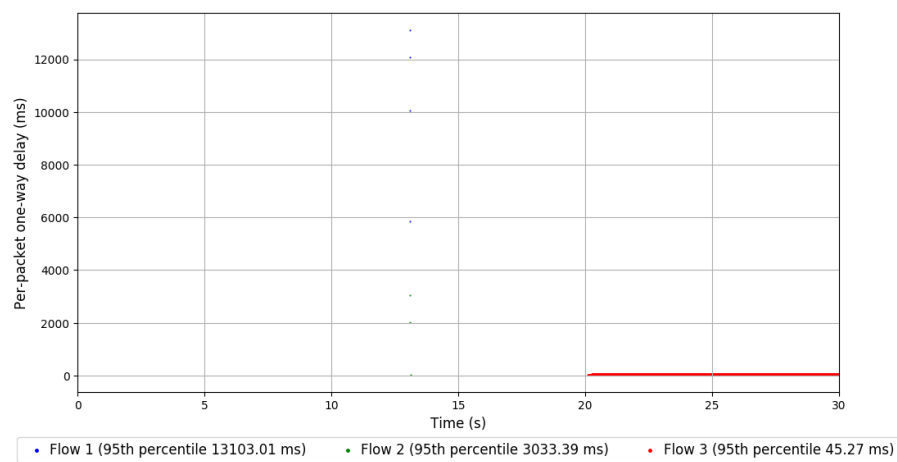
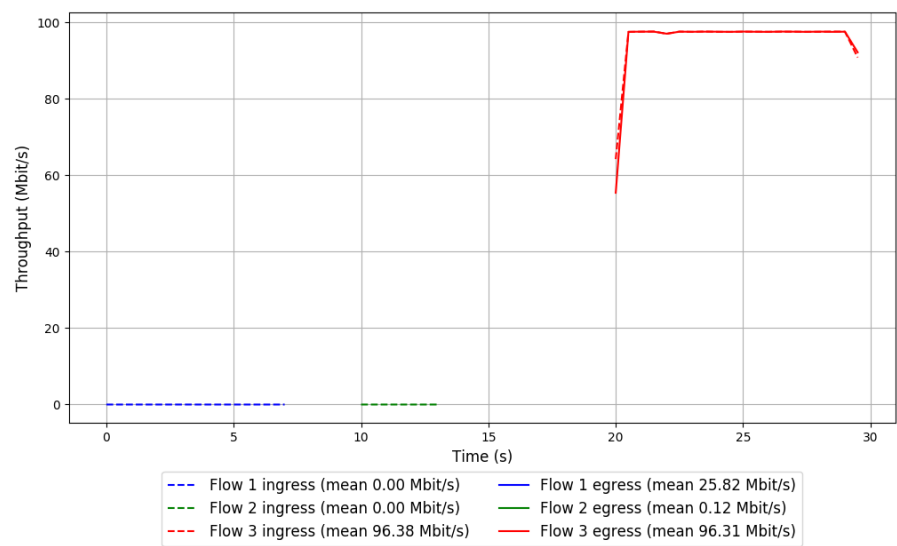
Start at: 2017-12-20 06:42:36

End at: 2017-12-20 06:43:06

Local clock offset: 1.564 ms

Remote clock offset: -12.78 ms

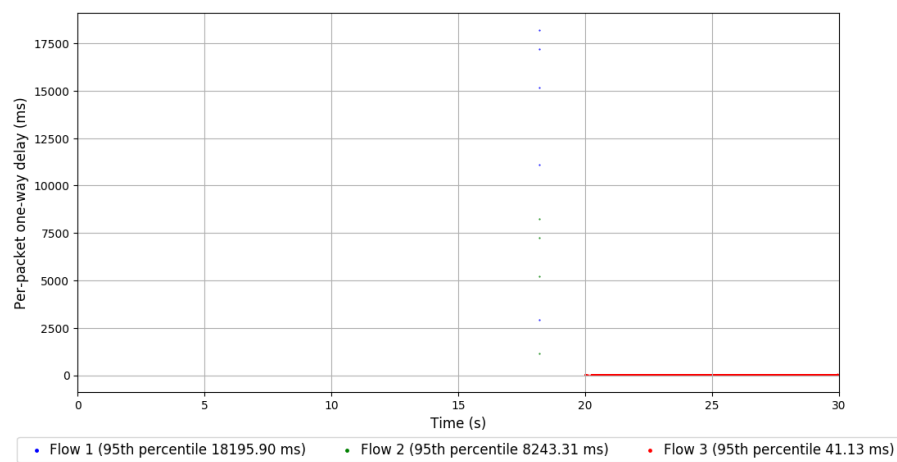
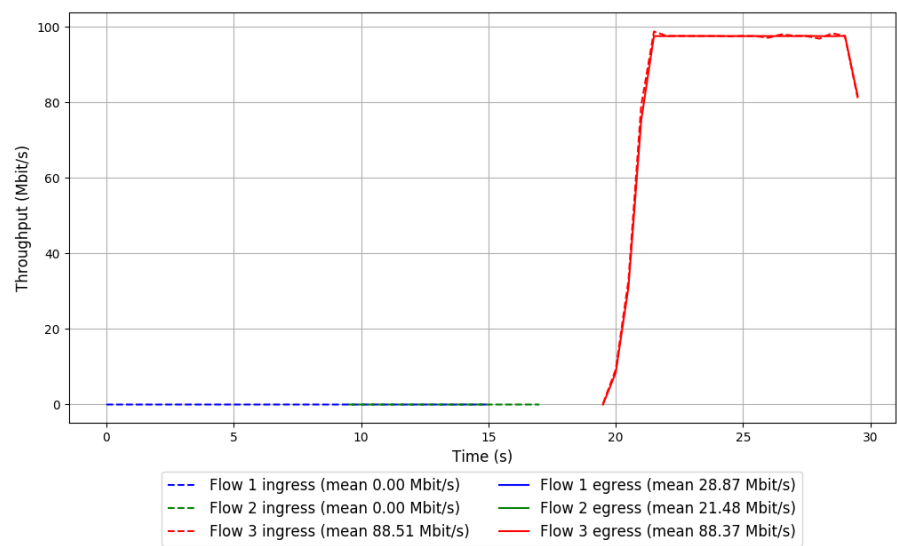
Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-12-20 07:02:09
End at: 2017-12-20 07:02:39
Local clock offset: -1.033 ms
Remote clock offset: -11.552 ms

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

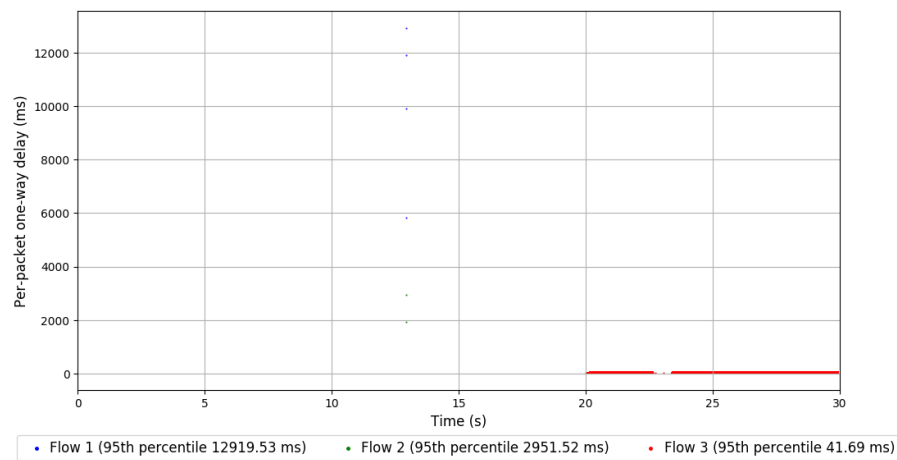
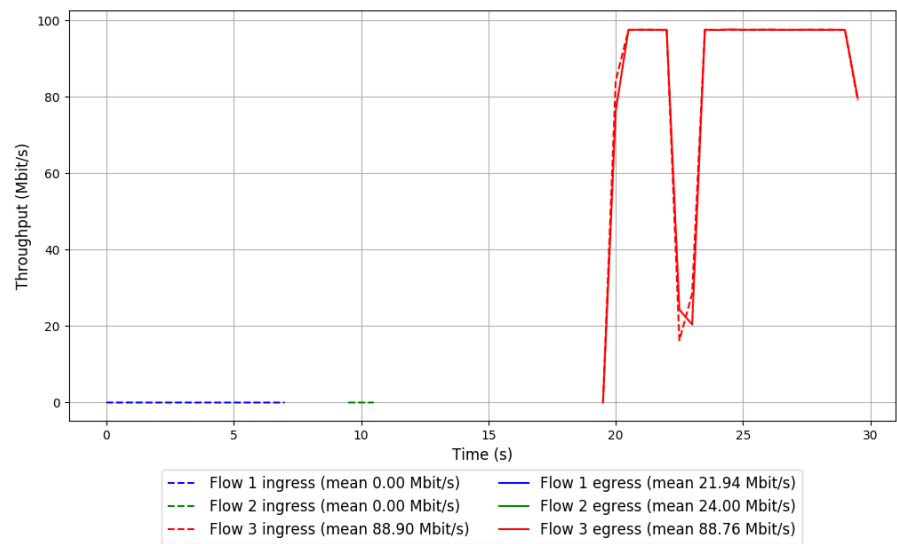
Start at: 2017-12-20 07:21:03

End at: 2017-12-20 07:21:33

Local clock offset: -0.831 ms

Remote clock offset: -12.344 ms

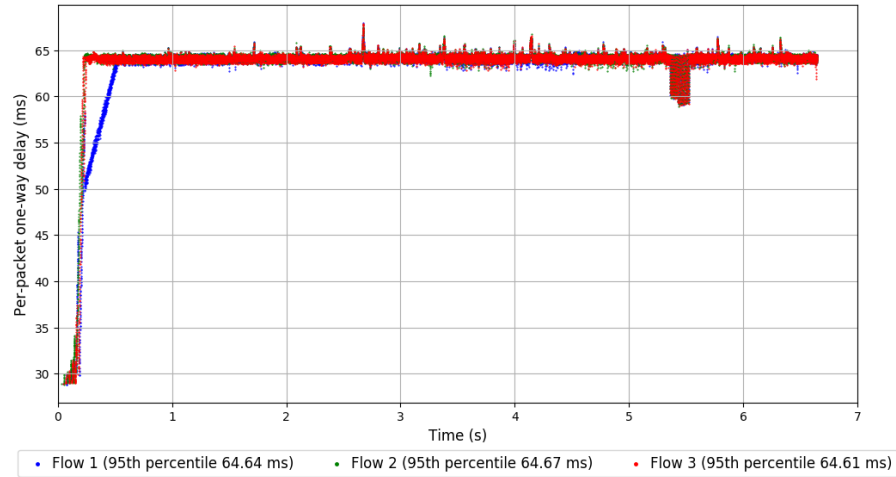
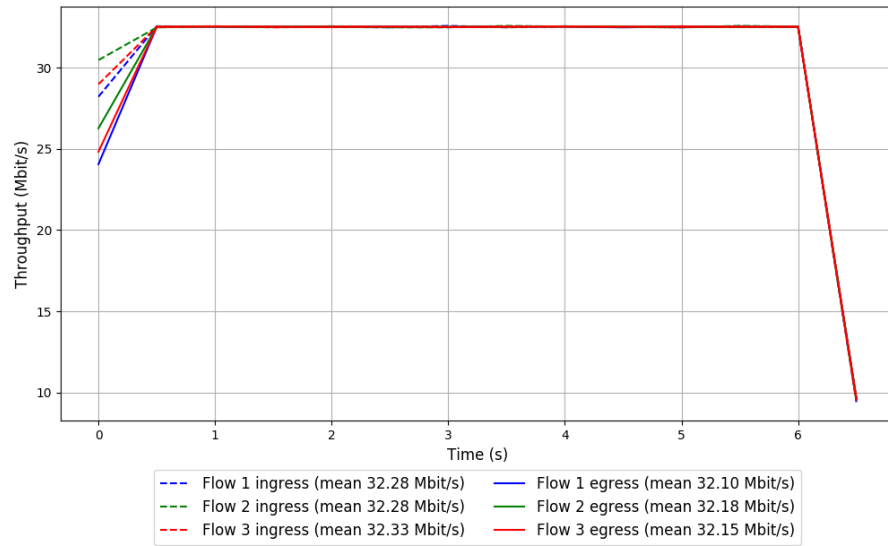
Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-12-20 07:40:17
End at: 2017-12-20 07:40:47
Local clock offset: -0.447 ms
Remote clock offset: -11.538 ms

Run 9: Report of TCP Cubic — Data Link

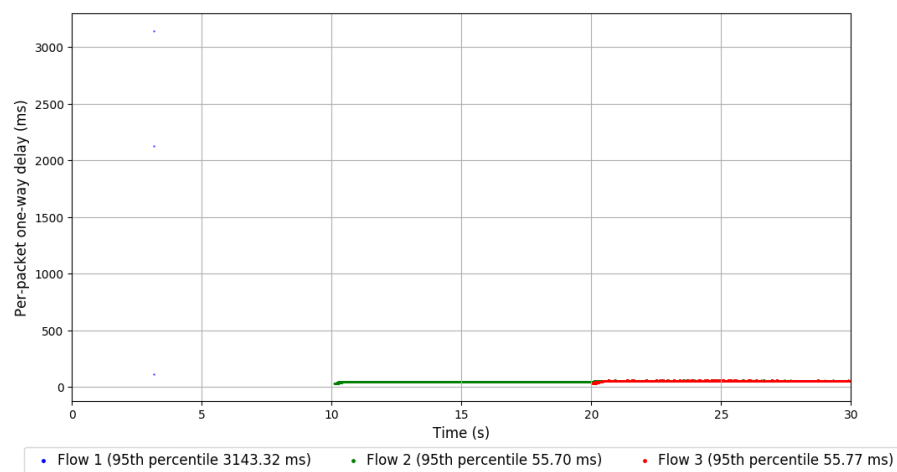
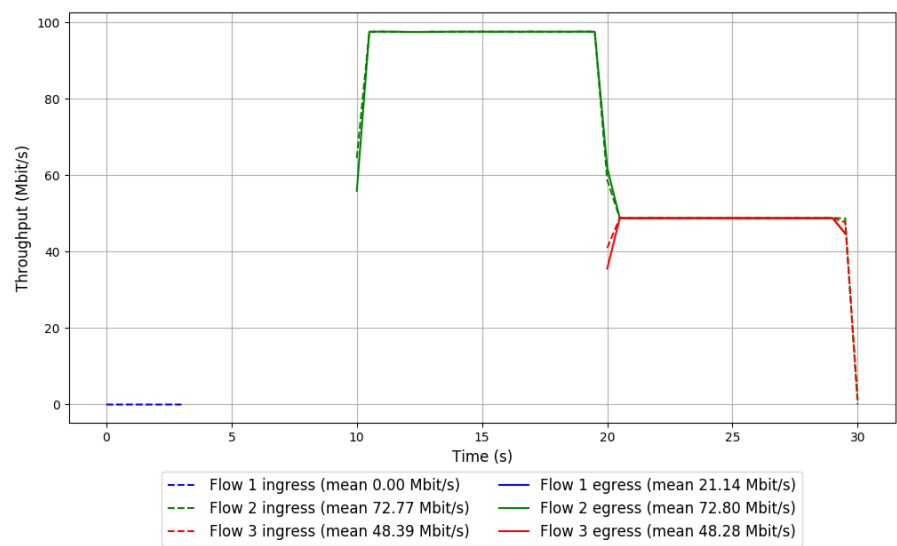


Run 10: Statistics of TCP Cubic

Start at: 2017-12-20 08:00:15
End at: 2017-12-20 08:00:45
Local clock offset: 1.137 ms
Remote clock offset: -12.826 ms

Below is generated by plot.py at 2017-12-20 11:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 55.708 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 3143.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 55.702 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 55.769 ms
Loss rate: 0.98%

Run 10: Report of TCP Cubic — Data Link

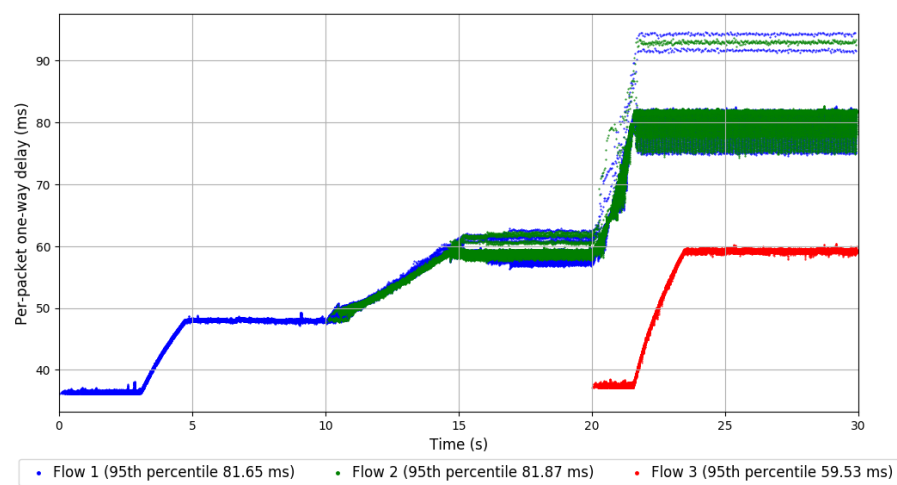
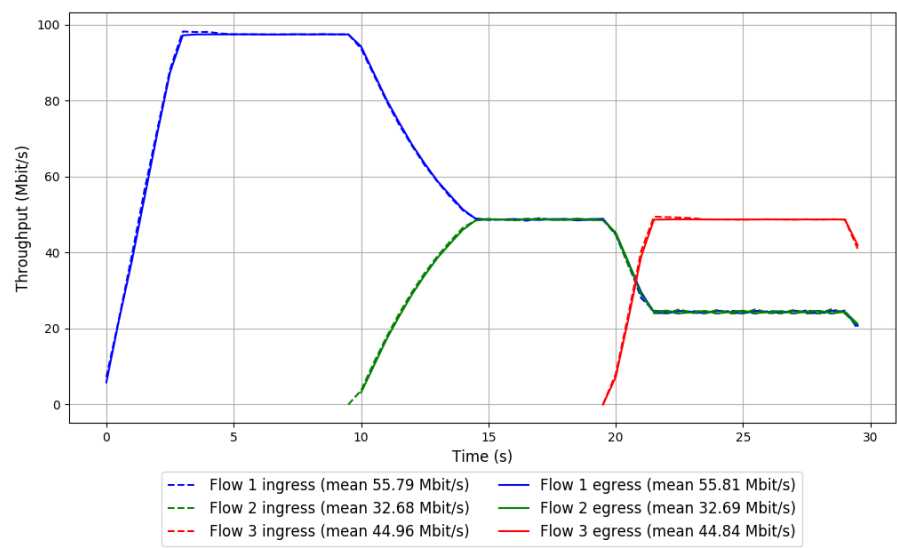


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-20 04:59:30
End at: 2017-12-20 05:00:00
Local clock offset: 4.377 ms
Remote clock offset: -14.026 ms

# Below is generated by plot.py at 2017-12-20 11:16:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 81.728 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 81.652 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 81.867 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 59.527 ms
Loss rate: 0.54%
```


Run 1: Report of LEDBAT — Data Link

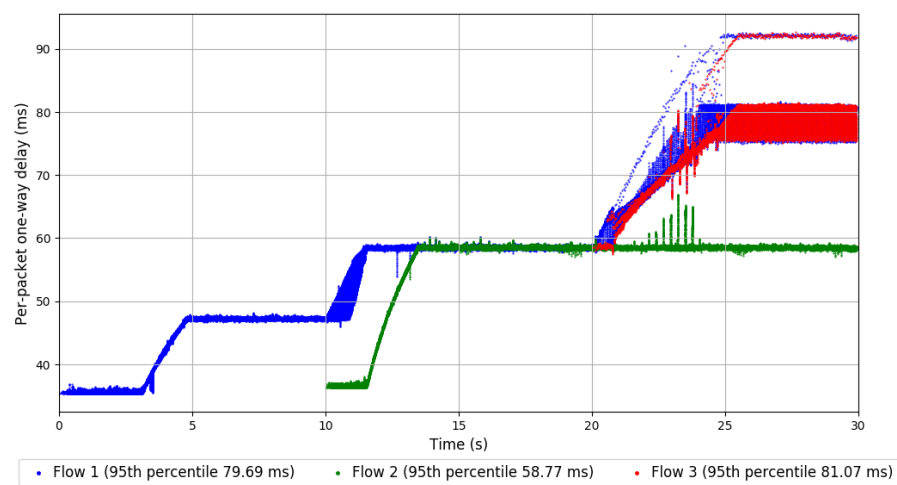
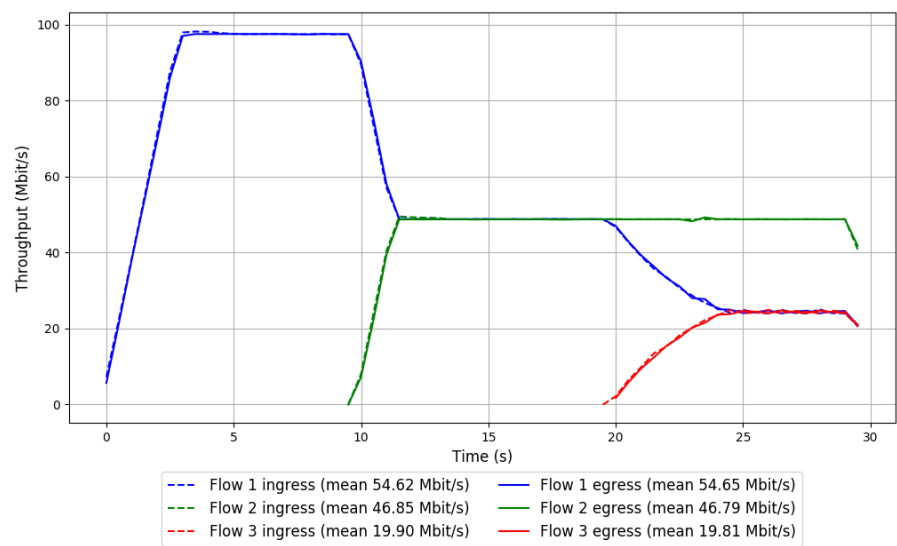


Run 2: Statistics of LEDBAT

Start at: 2017-12-20 05:18:15
End at: 2017-12-20 05:18:45
Local clock offset: 5.213 ms
Remote clock offset: -11.679 ms

Below is generated by plot.py at 2017-12-20 11:16:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 80.138 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 79.695 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 58.770 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 81.073 ms
Loss rate: 0.94%

Run 2: Report of LEDBAT — Data Link

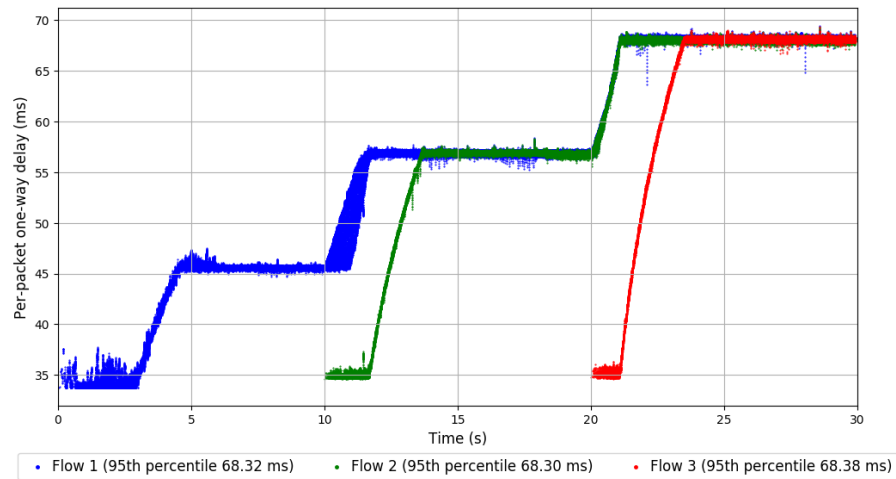
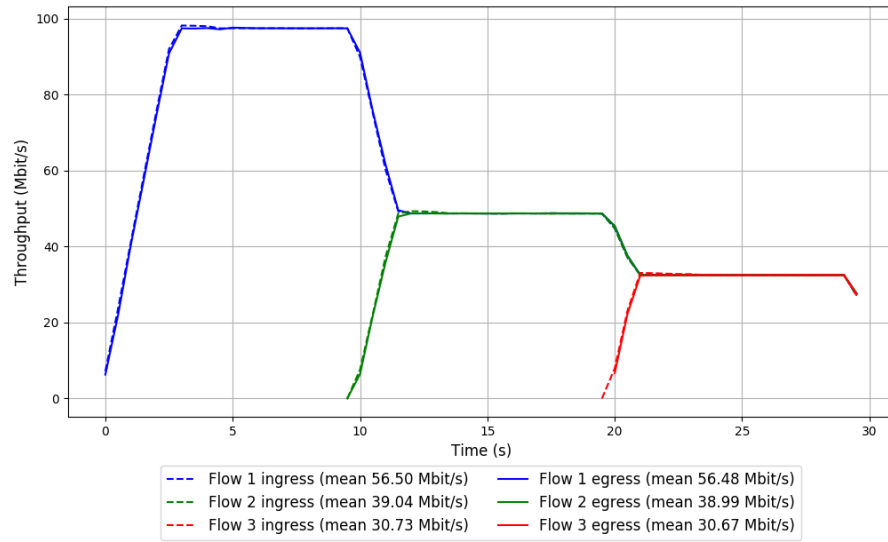


Run 3: Statistics of LEDBAT

Start at: 2017-12-20 05:36:49
End at: 2017-12-20 05:37:19
Local clock offset: 4.365 ms
Remote clock offset: -10.424 ms

Below is generated by plot.py at 2017-12-20 11:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 68.321 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 68.297 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 68.382 ms
Loss rate: 0.64%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-20 05:54:56

End at: 2017-12-20 05:55:27

Local clock offset: 0.167 ms

Remote clock offset: -12.28 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

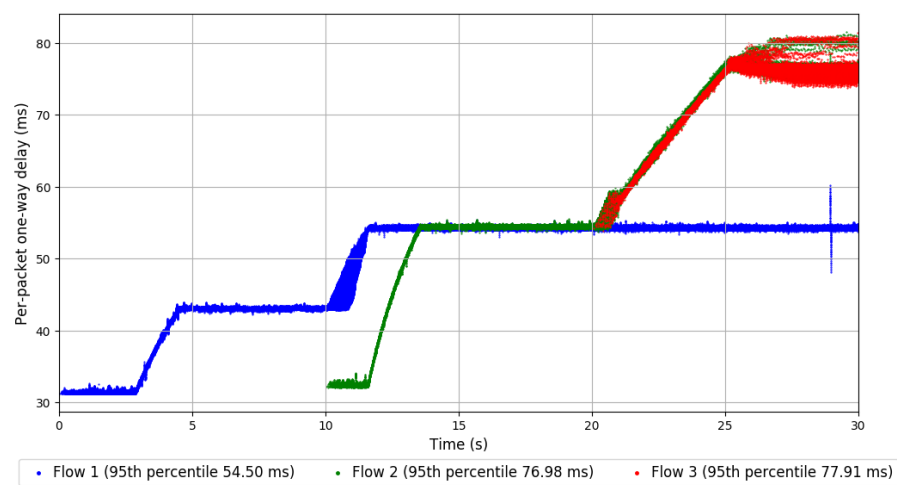
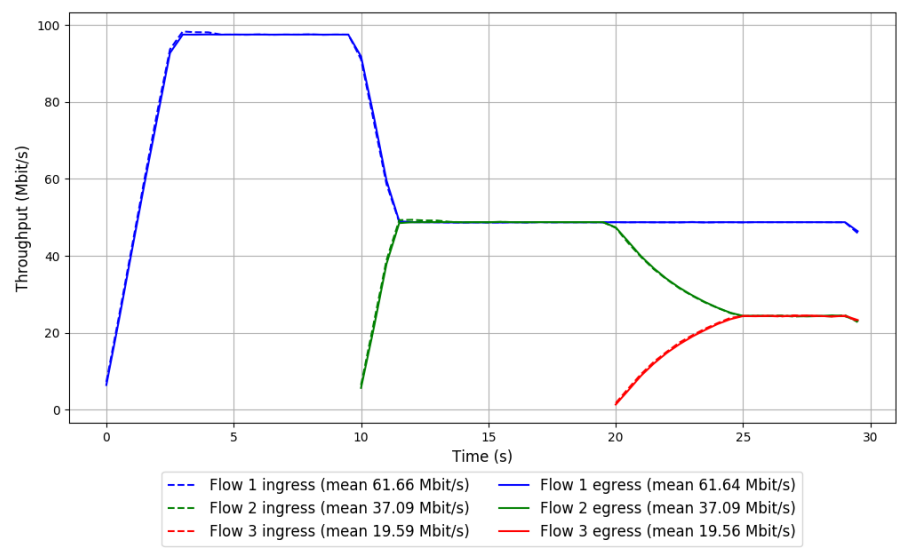
Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2017-12-20 06:13:06
End at: 2017-12-20 06:13:36
Local clock offset: 1.769 ms
Remote clock offset: -10.789 ms

Below is generated by plot.py at 2017-12-20 11:16:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 76.597 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 54.496 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 76.977 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 77.911 ms
Loss rate: 0.89%

Run 5: Report of LEDBAT — Data Link

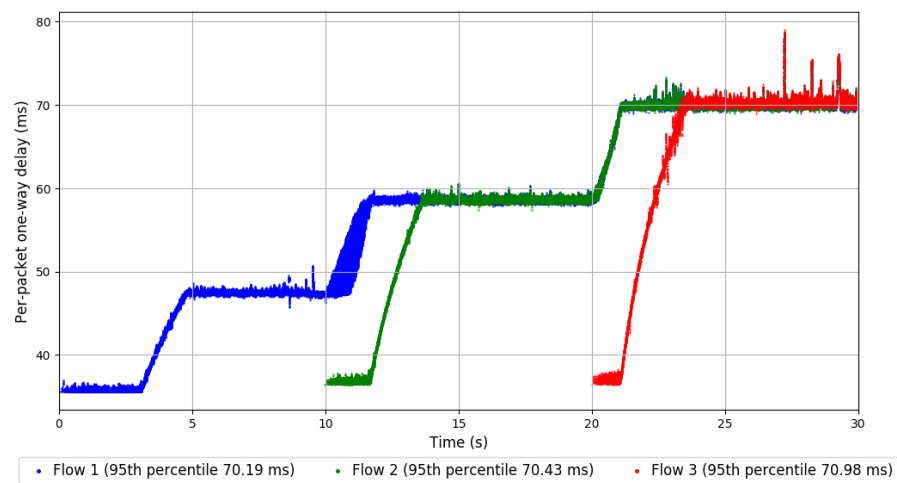
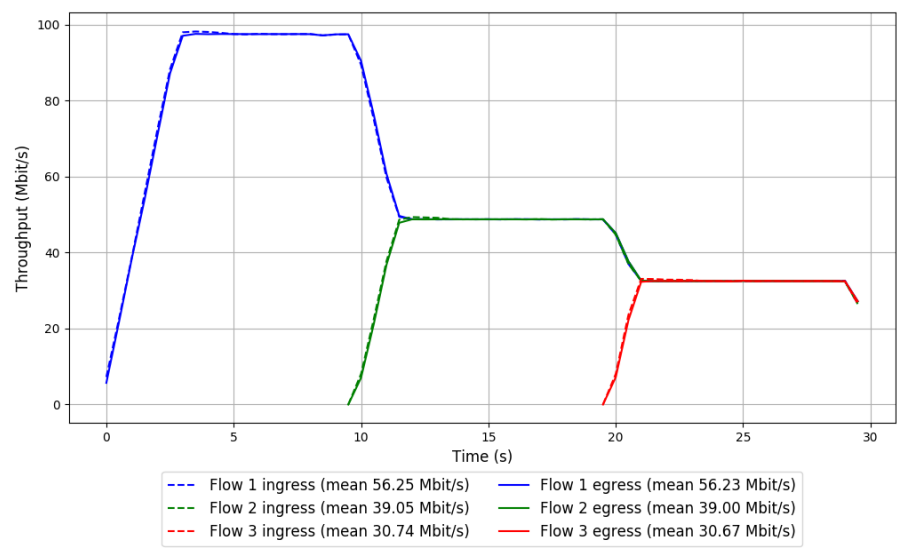


Run 6: Statistics of LEDBAT

Start at: 2017-12-20 06:32:12
End at: 2017-12-20 06:32:42
Local clock offset: 5.238 ms
Remote clock offset: -11.61 ms

Below is generated by plot.py at 2017-12-20 11:16:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 70.373 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 70.185 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 70.428 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 70.981 ms
Loss rate: 0.64%

Run 6: Report of LEDBAT — Data Link

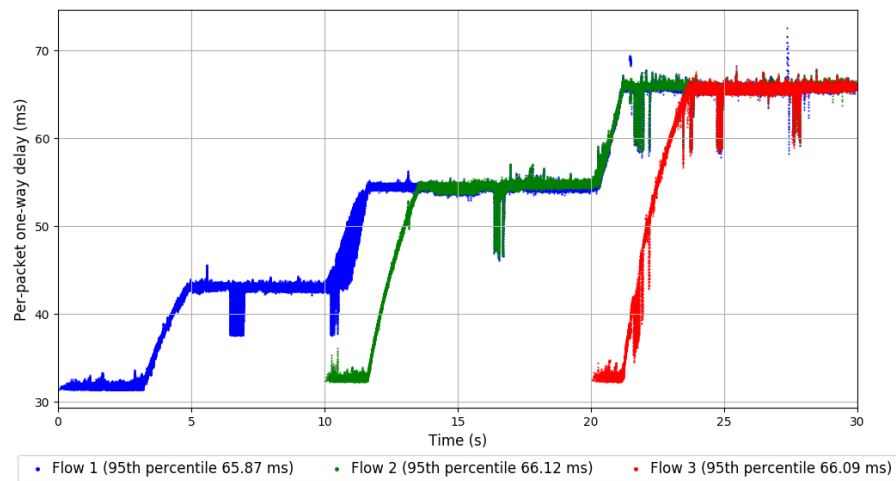
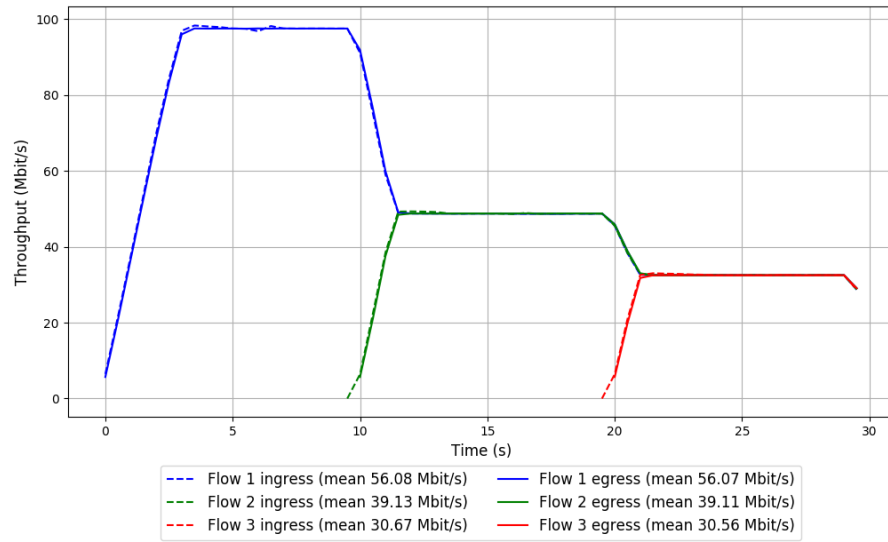


Run 7: Statistics of LEDBAT

Start at: 2017-12-20 06:51:32
End at: 2017-12-20 06:52:02
Local clock offset: 2.172 ms
Remote clock offset: -10.723 ms

Below is generated by plot.py at 2017-12-20 11:16:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 66.021 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 65.871 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 66.125 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 66.087 ms
Loss rate: 0.65%

Run 7: Report of LEDBAT — Data Link

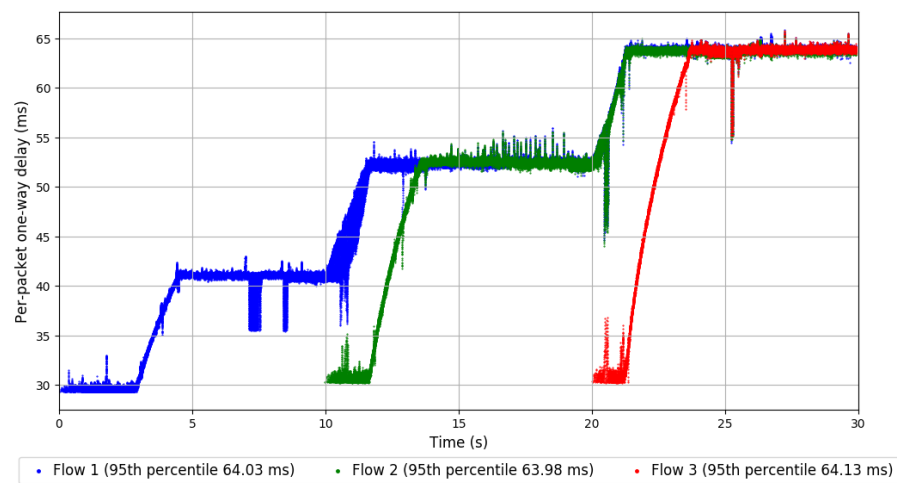
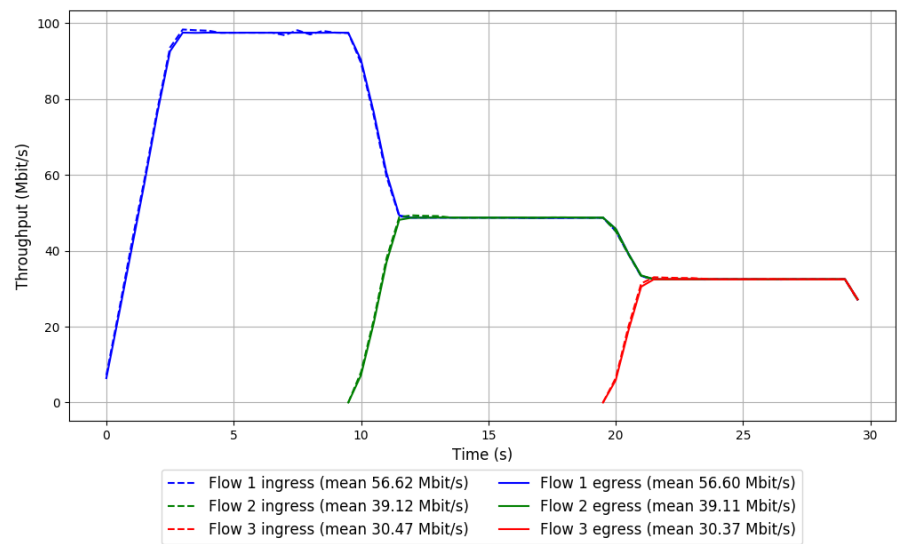


Run 8: Statistics of LEDBAT

Start at: 2017-12-20 07:11:00
End at: 2017-12-20 07:11:31
Local clock offset: 0.12 ms
Remote clock offset: -11.126 ms

Below is generated by plot.py at 2017-12-20 11:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 64.046 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 64.030 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 63.979 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 64.129 ms
Loss rate: 0.65%

Run 8: Report of LEDBAT — Data Link

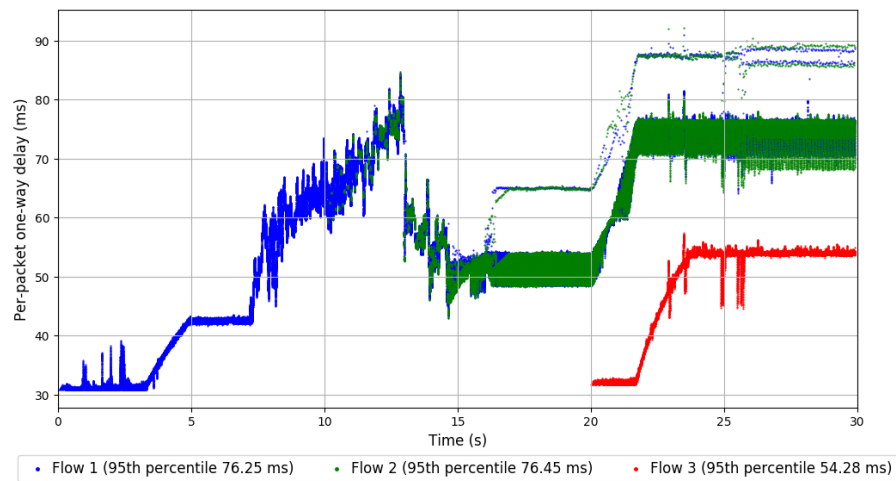
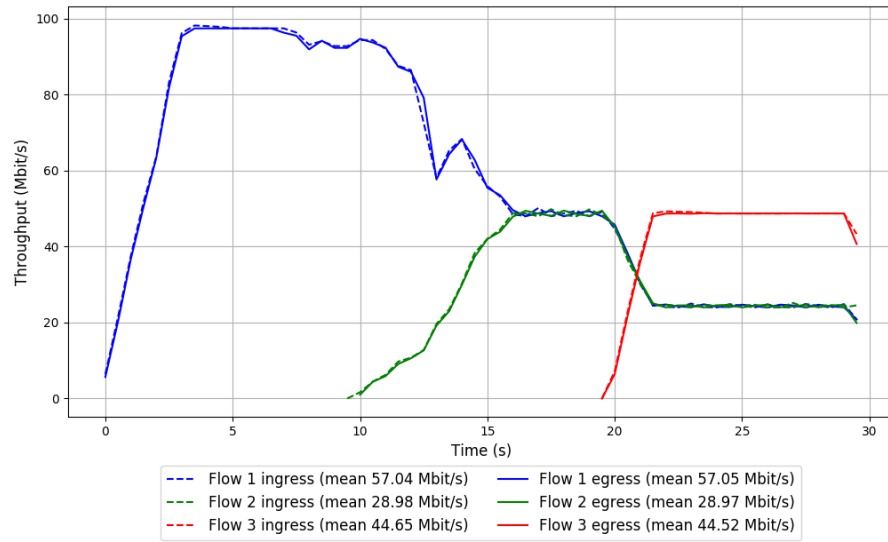


Run 9: Statistics of LEDBAT

Start at: 2017-12-20 07:29:45
End at: 2017-12-20 07:30:15
Local clock offset: 1.46 ms
Remote clock offset: -11.431 ms

Below is generated by plot.py at 2017-12-20 11:17:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 76.274 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 76.452 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 54.279 ms
Loss rate: 0.88%

Run 9: Report of LEDBAT — Data Link

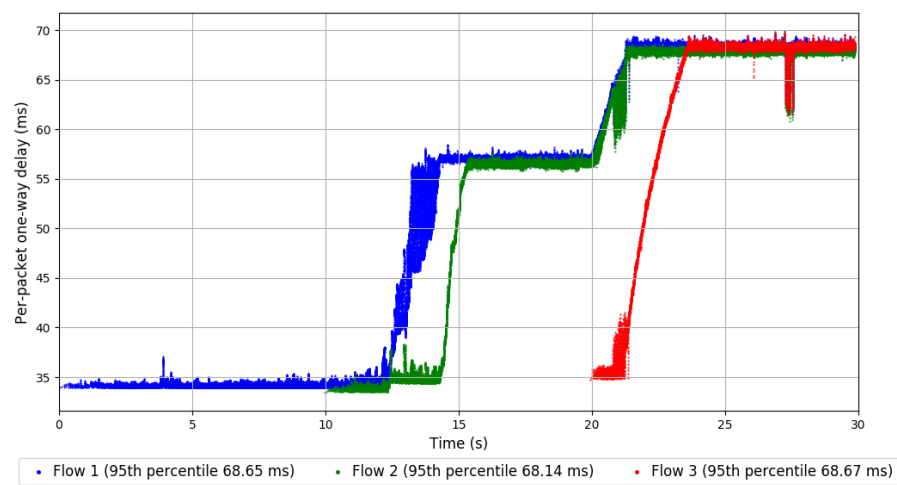
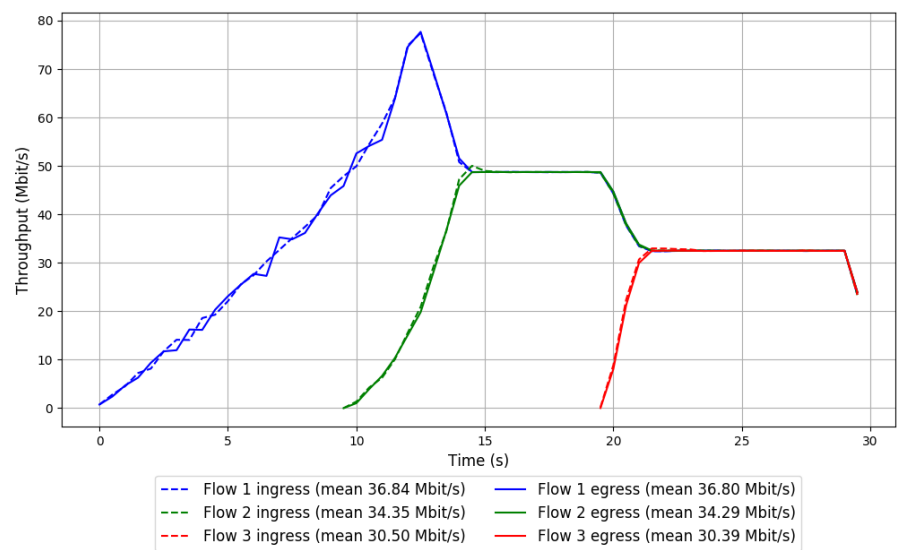


Run 10: Statistics of LEDBAT

Start at: 2017-12-20 07:50:12
End at: 2017-12-20 07:50:42
Local clock offset: 3.993 ms
Remote clock offset: -12.138 ms

Below is generated by plot.py at 2017-12-20 11:17:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 68.617 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 68.652 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 68.140 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 0.65%

Run 10: Report of LEDBAT — Data Link

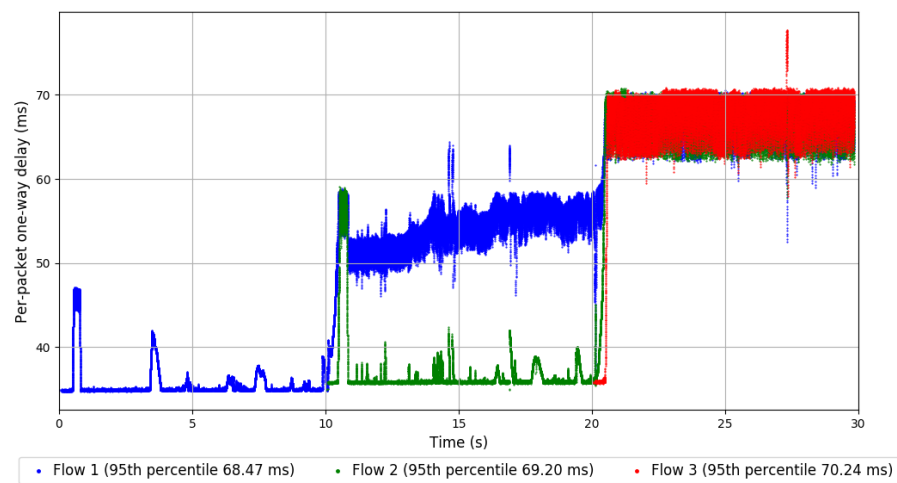
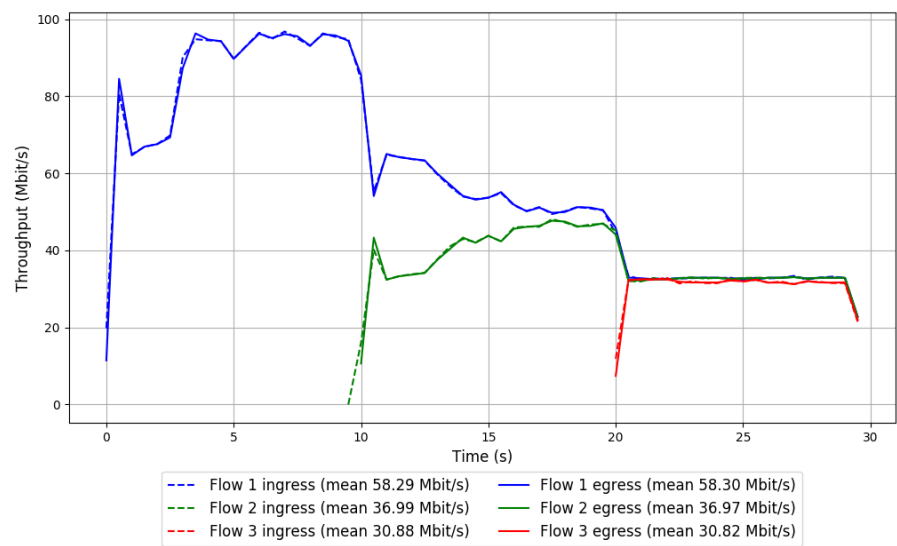


```
Run 1: Statistics of PCC

Start at: 2017-12-20 04:54:38
End at: 2017-12-20 04:55:08
Local clock offset: 3.112 ms
Remote clock offset: -14.206 ms

# Below is generated by plot.py at 2017-12-20 11:18:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 69.246 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 68.470 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 69.198 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 70.238 ms
Loss rate: 0.60%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-12-20 05:13:15

End at: 2017-12-20 05:13:45

Local clock offset: 4.99 ms

Remote clock offset: -13.4 ms

Below is generated by plot.py at 2017-12-20 11:18:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 56.156 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 60.67 Mbit/s

95th percentile per-packet one-way delay: 56.651 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 40.813 ms

Loss rate: 0.16%

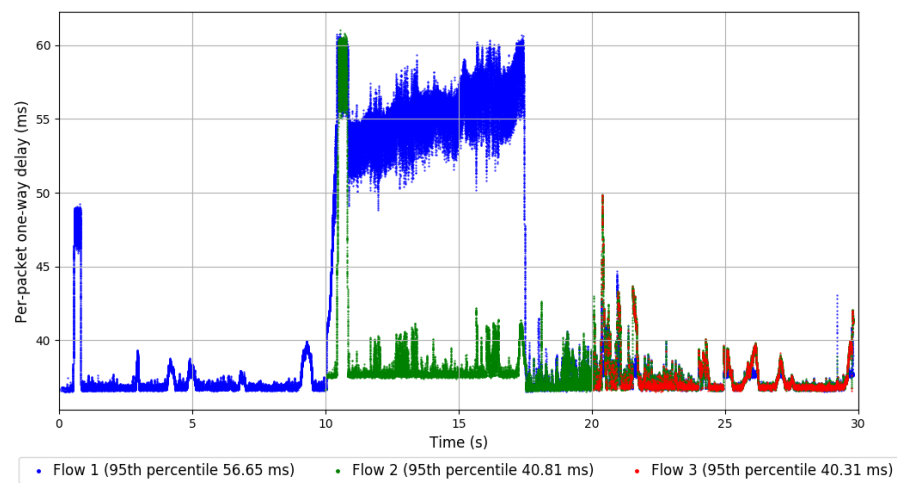
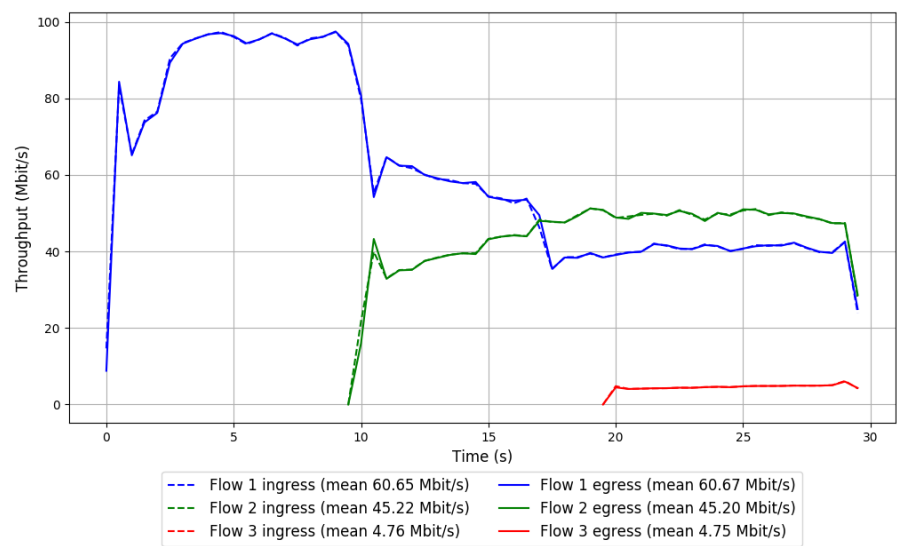
-- Flow 3:

Average throughput: 4.75 Mbit/s

95th percentile per-packet one-way delay: 40.313 ms

Loss rate: 0.47%

Run 2: Report of PCC — Data Link

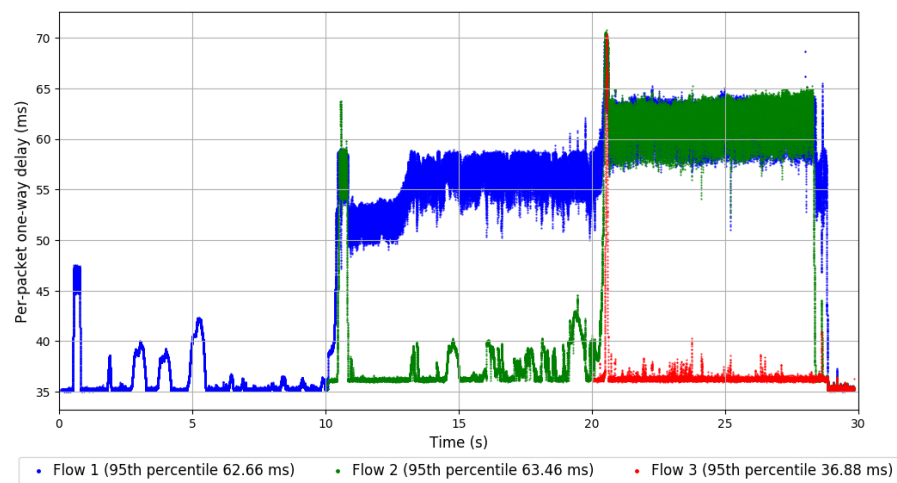
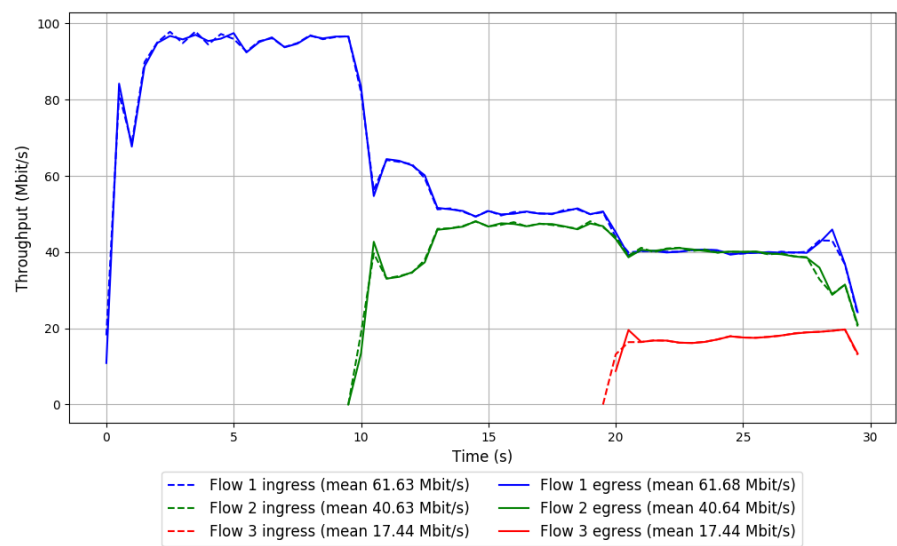


Run 3: Statistics of PCC

Start at: 2017-12-20 05:31:44
End at: 2017-12-20 05:32:14
Local clock offset: 4.064 ms
Remote clock offset: -12.294 ms

Below is generated by plot.py at 2017-12-20 11:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 63.005 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 62.662 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 36.881 ms
Loss rate: 0.31%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

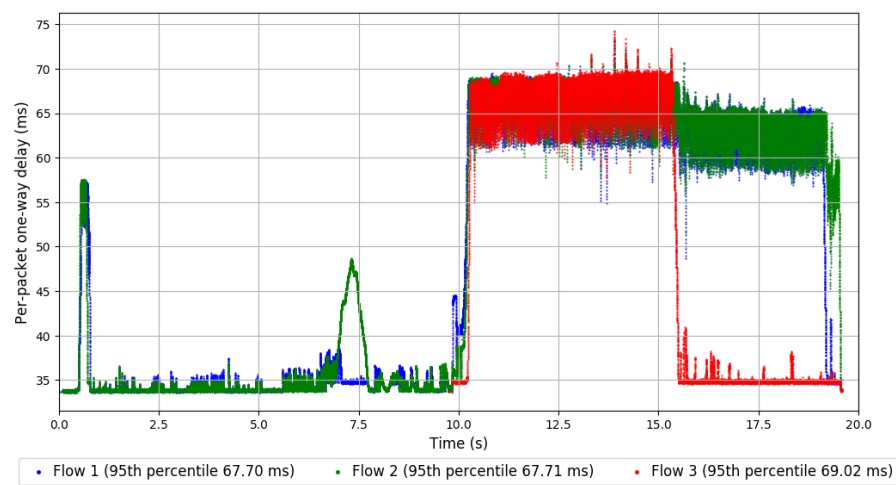
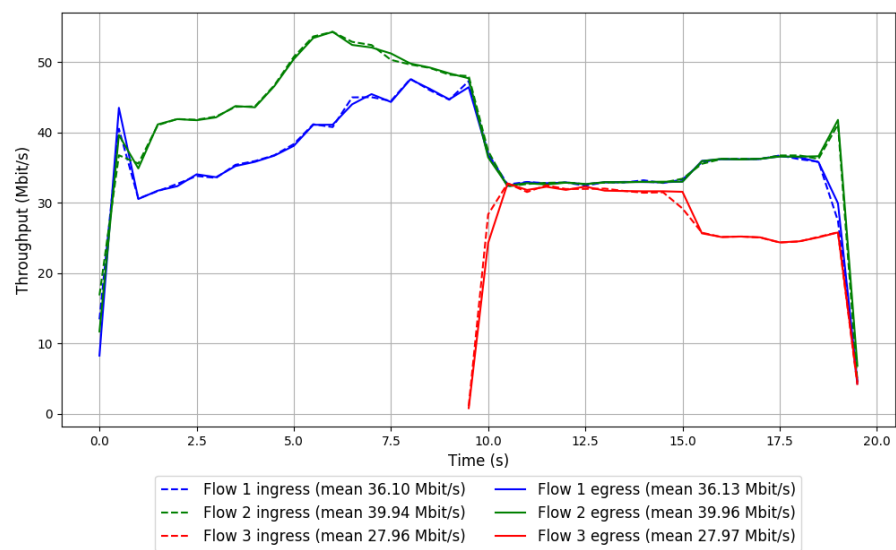
Start at: 2017-12-20 05:50:05

End at: 2017-12-20 05:50:35

Local clock offset: 2.669 ms

Remote clock offset: -12.198 ms

Run 4: Report of PCC — Data Link

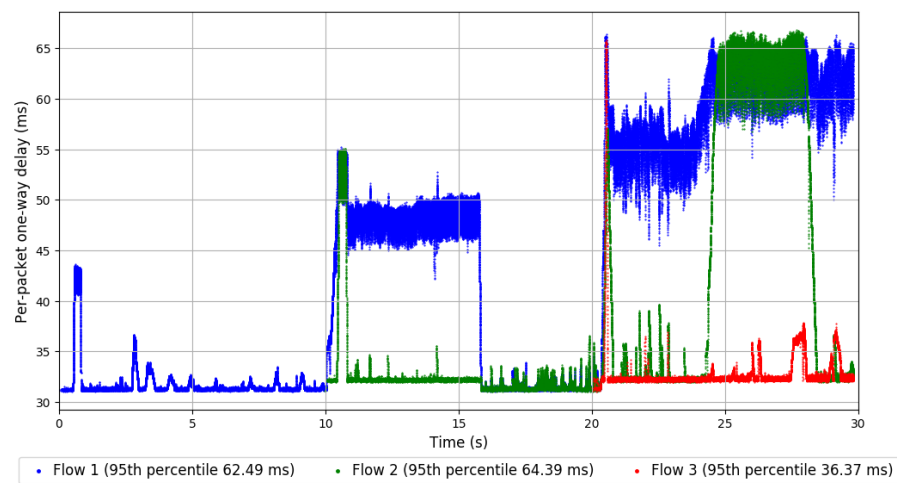
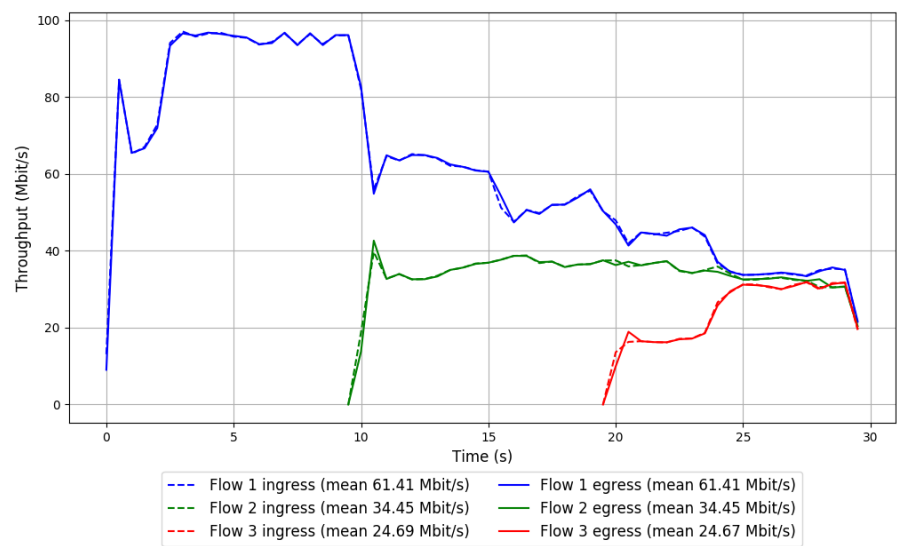


Run 5: Statistics of PCC

Start at: 2017-12-20 06:08:08
End at: 2017-12-20 06:08:38
Local clock offset: 2.294 ms
Remote clock offset: -10.203 ms

Below is generated by plot.py at 2017-12-20 11:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 63.036 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 62.487 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 64.395 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 36.372 ms
Loss rate: 0.34%

Run 5: Report of PCC — Data Link

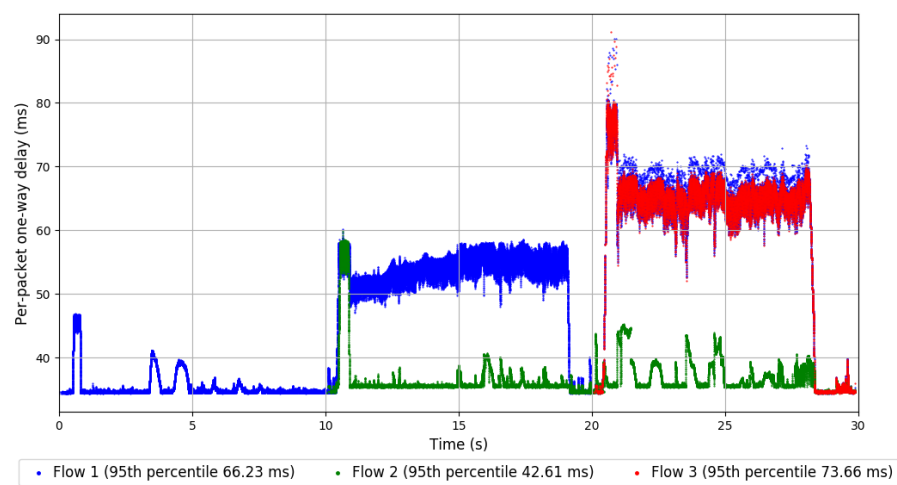
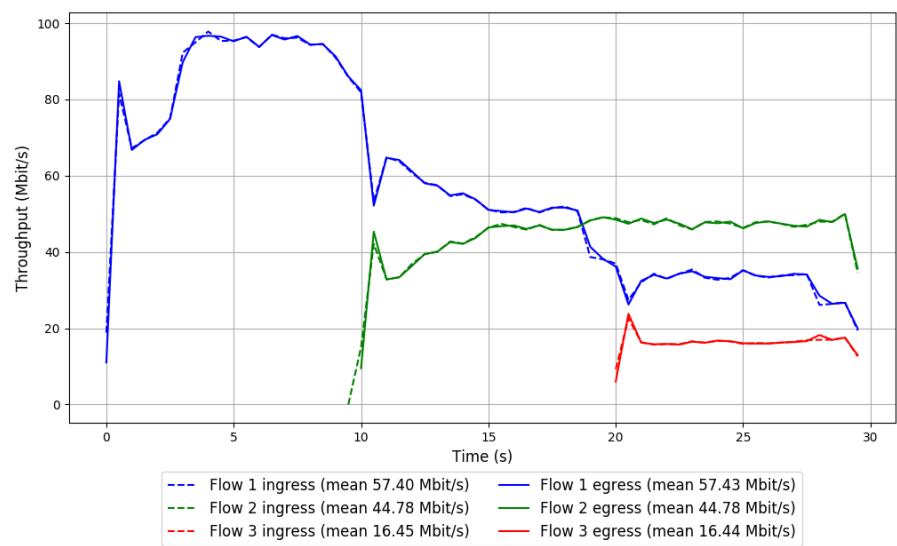


Run 6: Statistics of PCC

Start at: 2017-12-20 06:26:41
End at: 2017-12-20 06:27:11
Local clock offset: 3.985 ms
Remote clock offset: -11.863 ms

Below is generated by plot.py at 2017-12-20 11:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 66.066 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 66.226 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 42.612 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 73.662 ms
Loss rate: 0.29%

Run 6: Report of PCC — Data Link

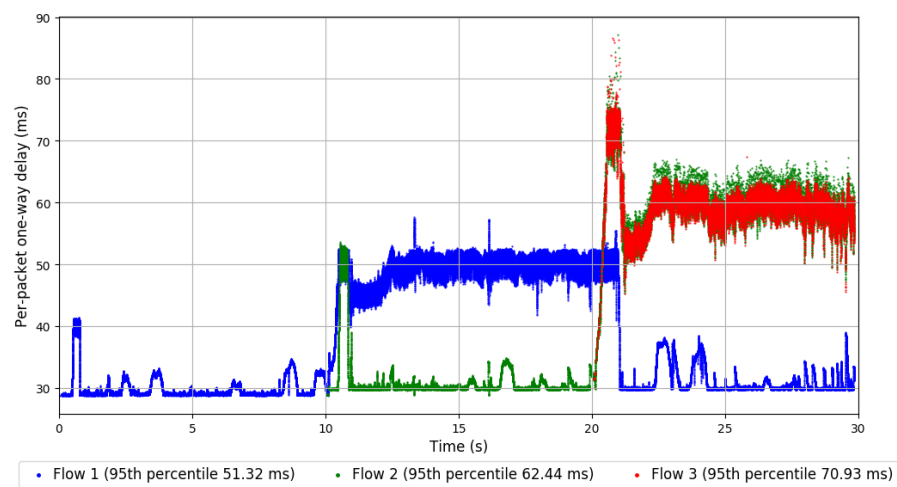
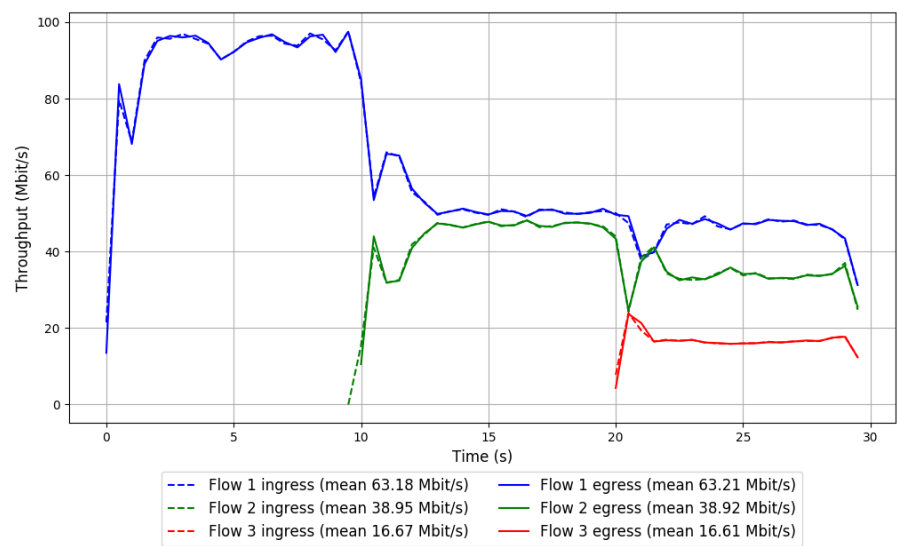


Run 7: Statistics of PCC

Start at: 2017-12-20 06:46:17
End at: 2017-12-20 06:46:47
Local clock offset: -0.871 ms
Remote clock offset: -11.176 ms

Below is generated by plot.py at 2017-12-20 11:18:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 60.940 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 62.436 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 70.929 ms
Loss rate: 0.60%

Run 7: Report of PCC — Data Link

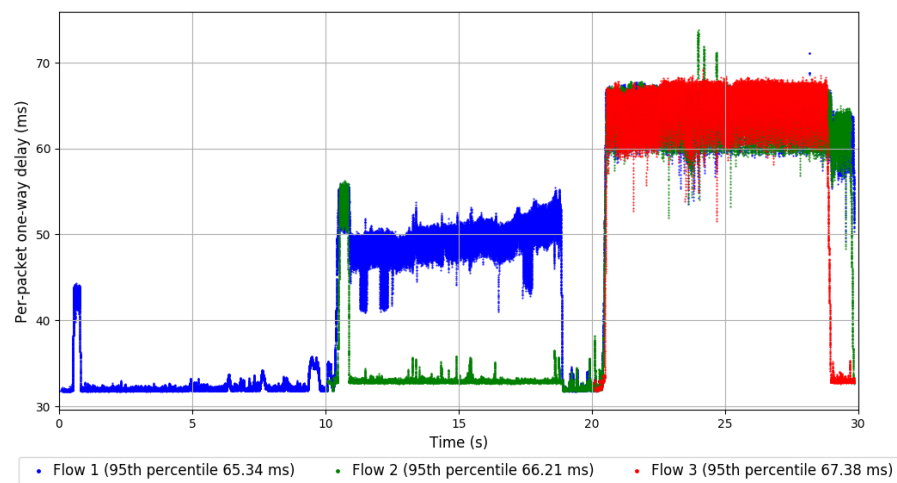
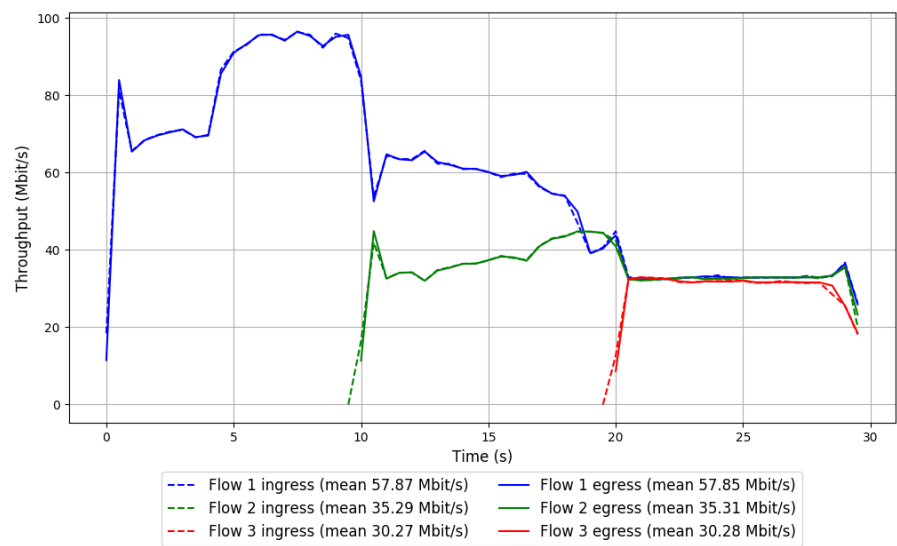


Run 8: Statistics of PCC

Start at: 2017-12-20 07:05:52
End at: 2017-12-20 07:06:22
Local clock offset: 1.067 ms
Remote clock offset: -12.656 ms

Below is generated by plot.py at 2017-12-20 11:18:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 66.227 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 65.343 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 66.211 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 67.380 ms
Loss rate: 0.24%

Run 8: Report of PCC — Data Link

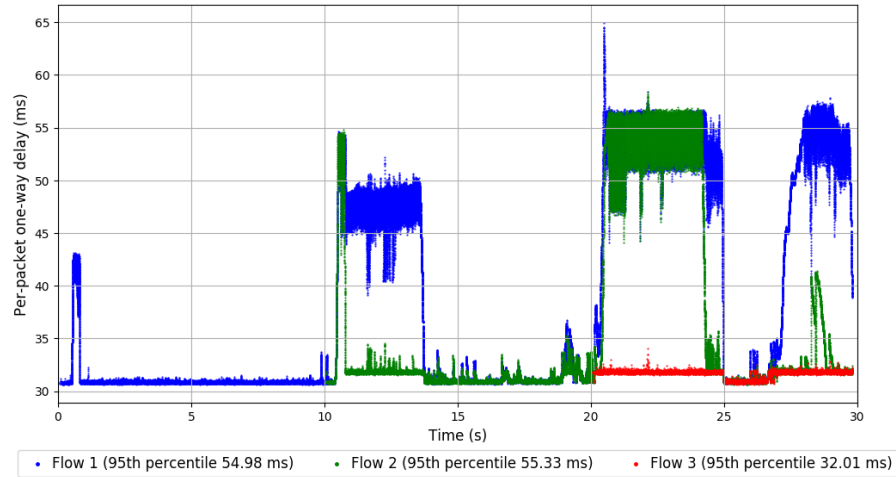
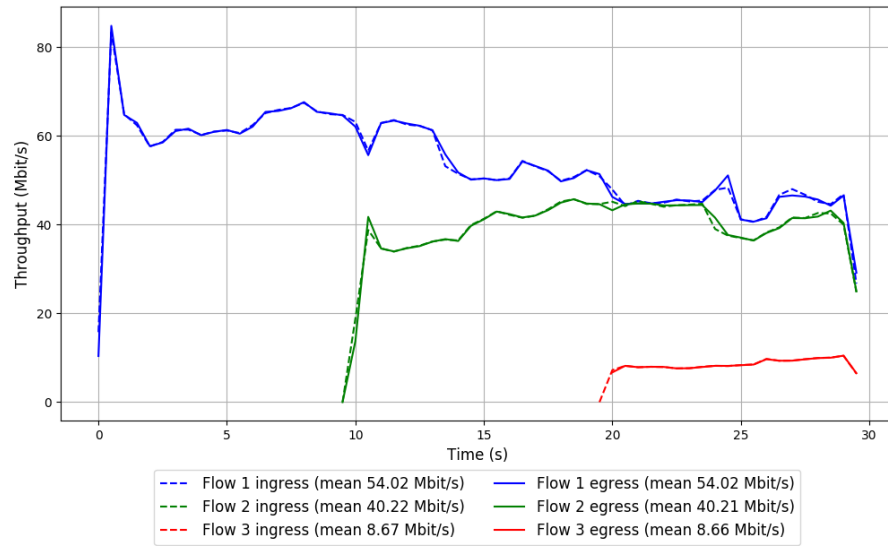


Run 9: Statistics of PCC

Start at: 2017-12-20 07:24:39
End at: 2017-12-20 07:25:09
Local clock offset: 1.889 ms
Remote clock offset: -11.002 ms

Below is generated by plot.py at 2017-12-20 11:18:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 55.070 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 54.978 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 55.326 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 32.013 ms
Loss rate: 0.33%

Run 9: Report of PCC — Data Link

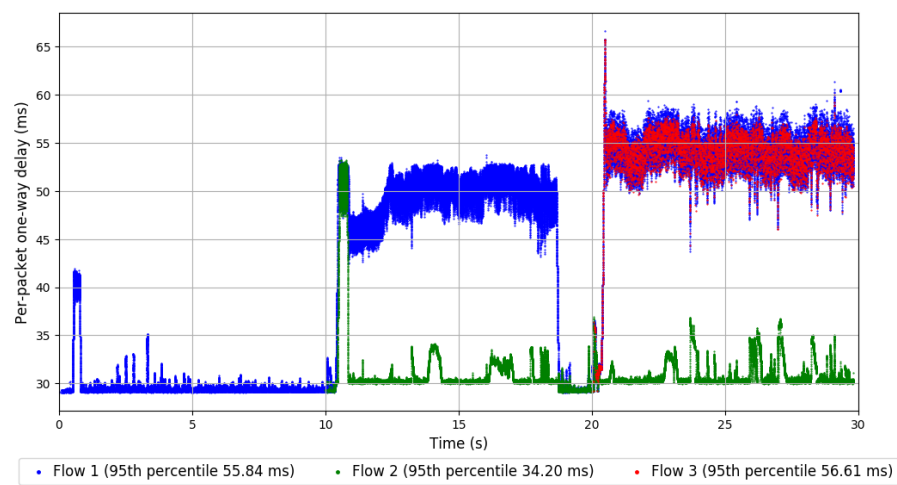
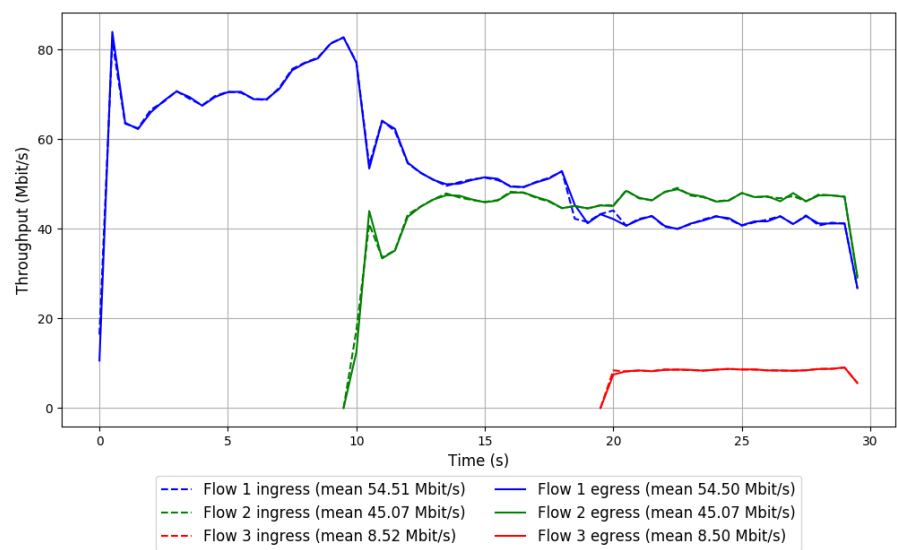


Run 10: Statistics of PCC

Start at: 2017-12-20 07:44:20
End at: 2017-12-20 07:44:50
Local clock offset: -0.009 ms
Remote clock offset: -11.392 ms

Below is generated by plot.py at 2017-12-20 11:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 55.438 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 55.839 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 34.195 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 56.606 ms
Loss rate: 0.55%

Run 10: Report of PCC — Data Link

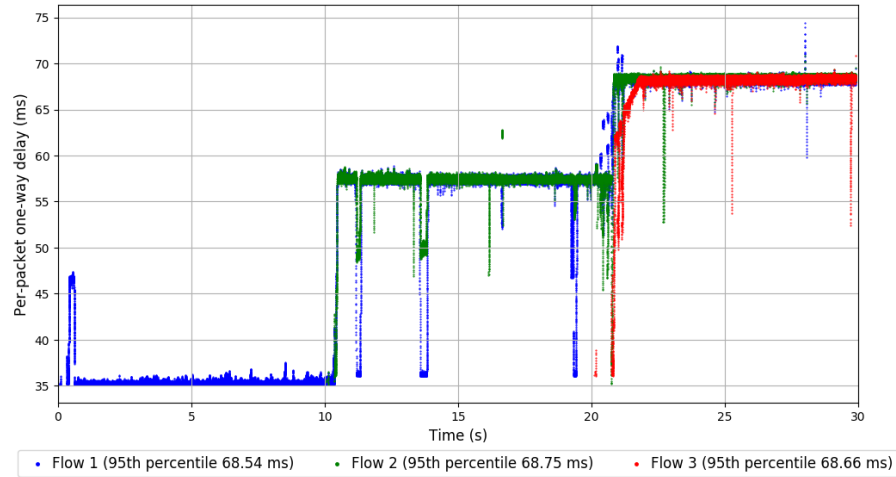
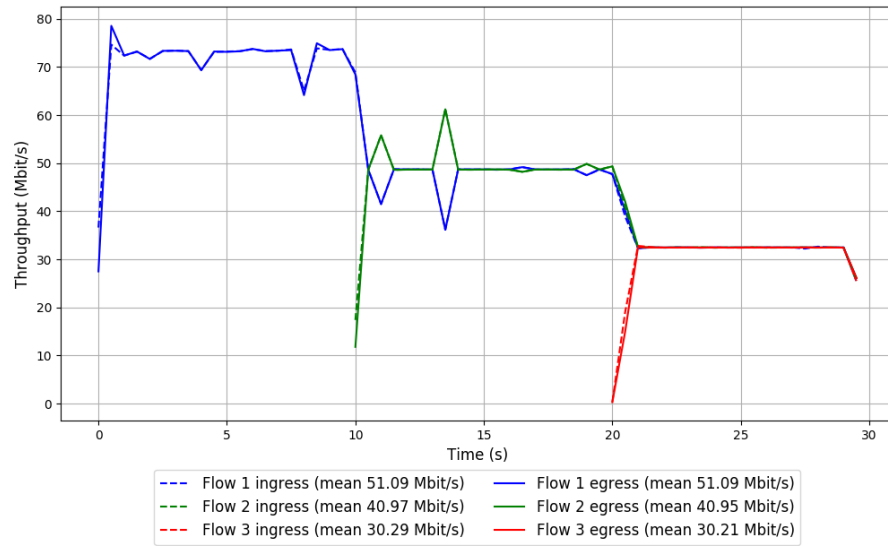


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-20 04:55:47
End at: 2017-12-20 04:56:17
Local clock offset: 4.786 ms
Remote clock offset: -12.817 ms

Below is generated by plot.py at 2017-12-20 11:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 68.639 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 68.544 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 68.748 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 68.661 ms
Loss rate: 0.64%

Run 1: Report of QUIC Cubic — Data Link

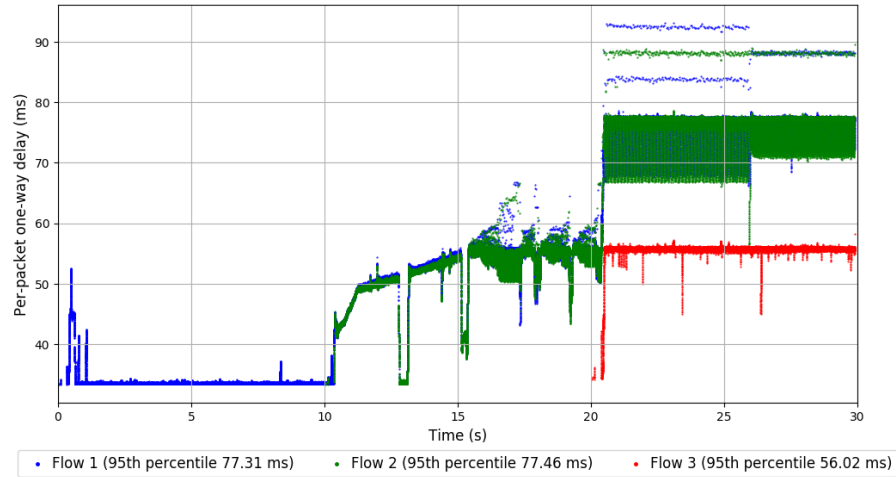
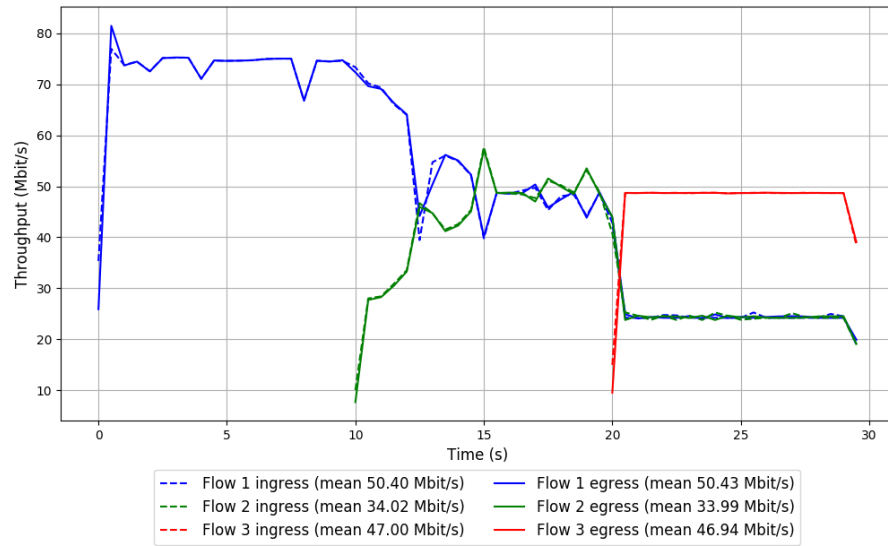


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-20 05:14:29
End at: 2017-12-20 05:14:59
Local clock offset: 3.467 ms
Remote clock offset: -11.61 ms

Below is generated by plot.py at 2017-12-20 11:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 77.323 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 77.312 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 77.461 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 56.019 ms
Loss rate: 0.52%

Run 2: Report of QUIC Cubic — Data Link

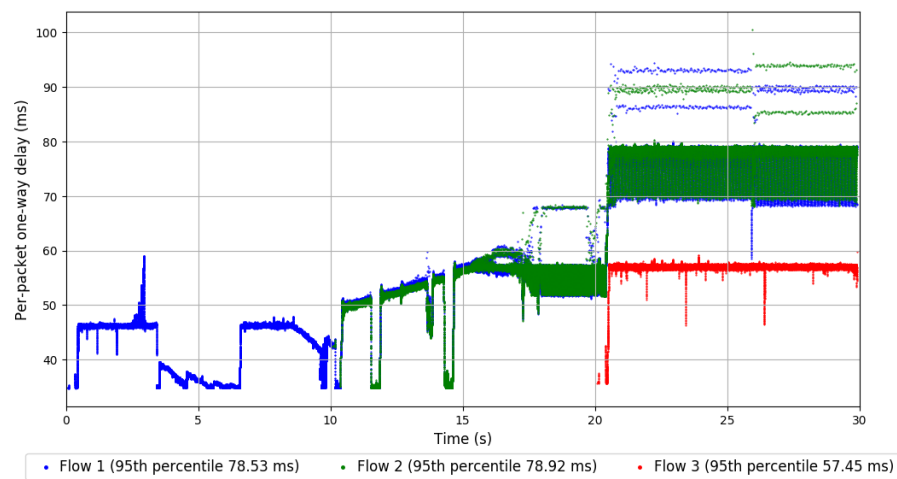
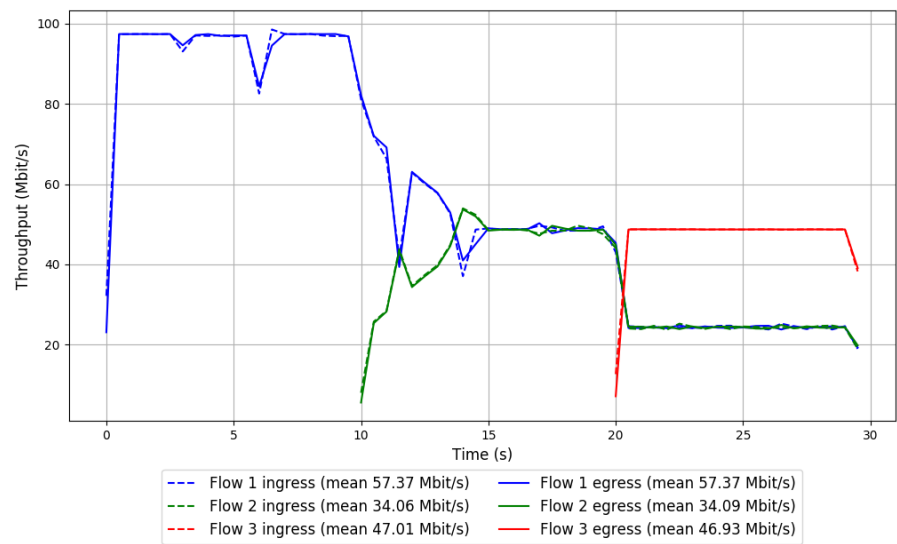


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-20 05:32:56
End at: 2017-12-20 05:33:26
Local clock offset: 5.034 ms
Remote clock offset: -10.922 ms

Below is generated by plot.py at 2017-12-20 11:19:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 78.701 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 78.530 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 78.924 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 57.449 ms
Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link

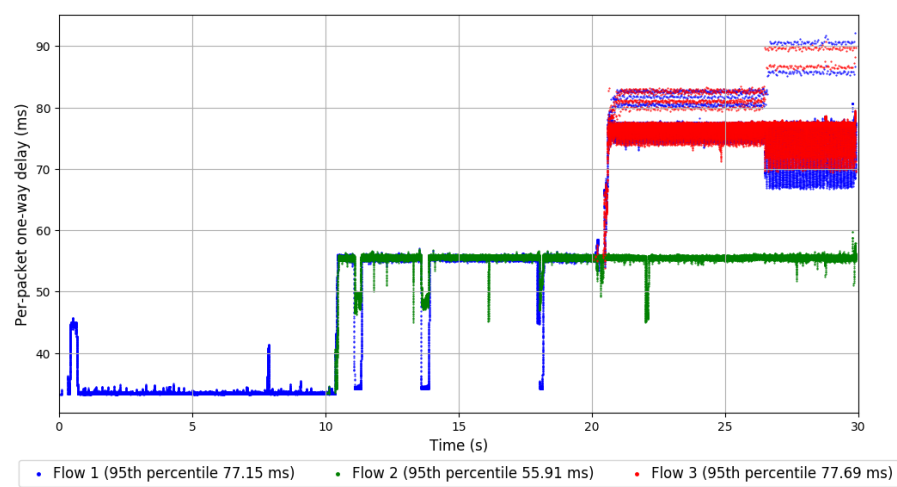
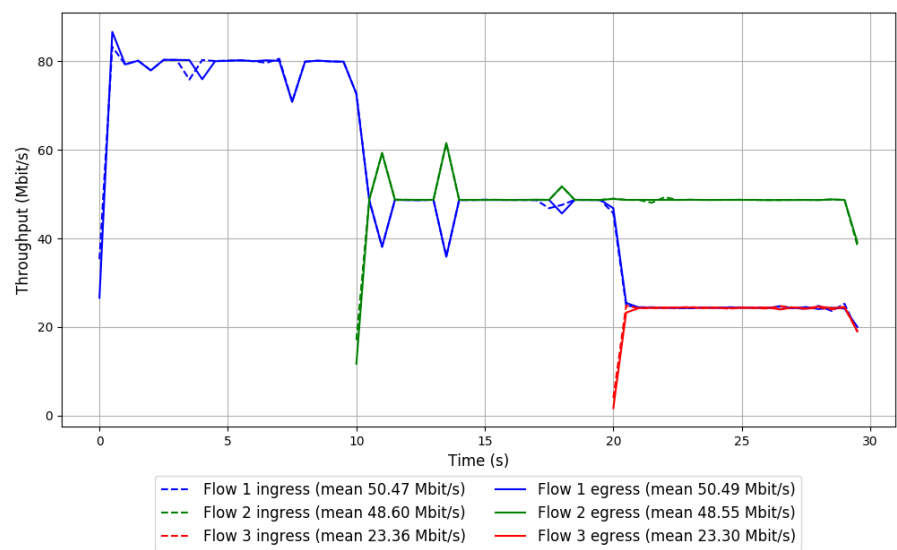


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-20 05:51:14
End at: 2017-12-20 05:51:44
Local clock offset: 3.221 ms
Remote clock offset: -11.152 ms

Below is generated by plot.py at 2017-12-20 11:19:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 77.194 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 77.148 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 55.914 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 77.686 ms
Loss rate: 0.72%

Run 4: Report of QUIC Cubic — Data Link

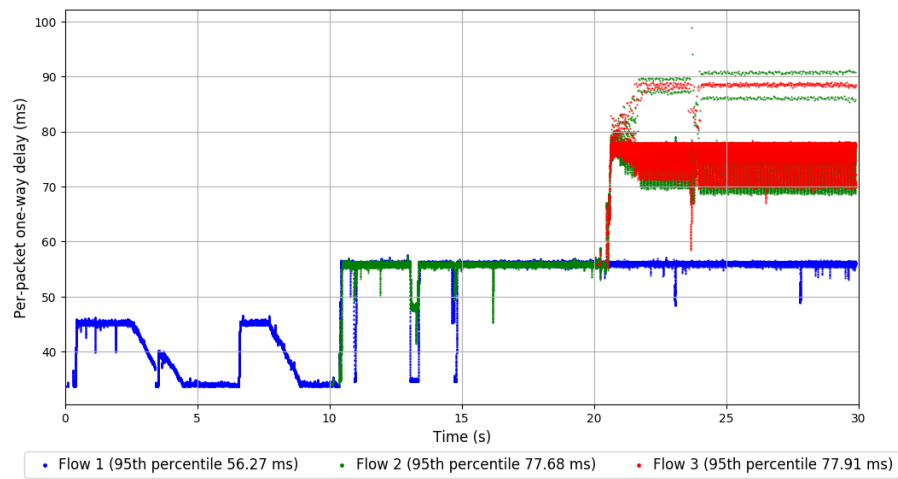
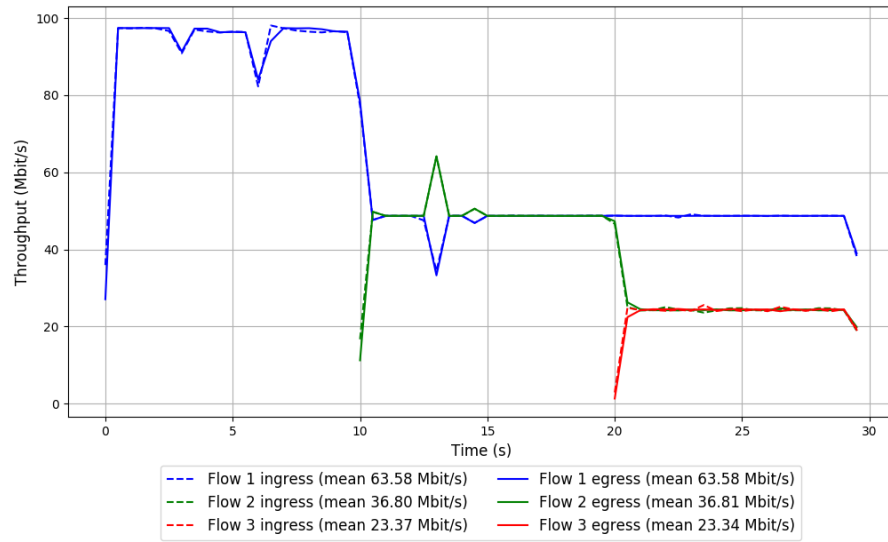


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-20 06:09:24
End at: 2017-12-20 06:09:54
Local clock offset: 2.741 ms
Remote clock offset: -12.276 ms

Below is generated by plot.py at 2017-12-20 11:20:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 77.498 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 56.274 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 77.677 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 77.914 ms
Loss rate: 0.81%

Run 5: Report of QUIC Cubic — Data Link

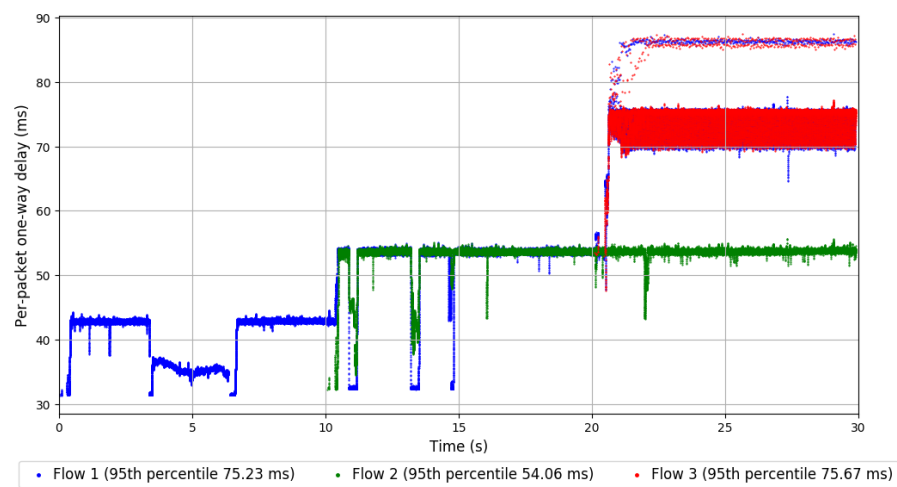
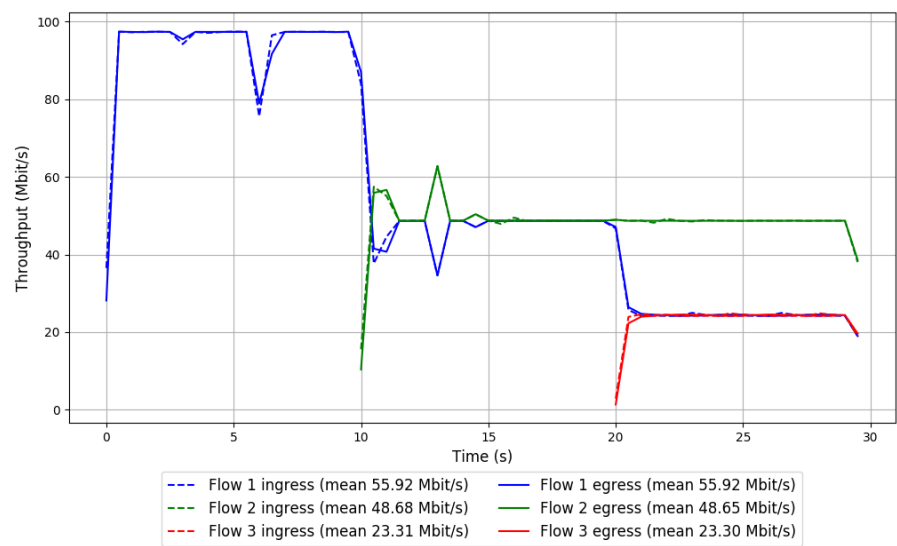


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-20 06:27:54
End at: 2017-12-20 06:28:24
Local clock offset: 1.401 ms
Remote clock offset: -11.338 ms

Below is generated by plot.py at 2017-12-20 11:20:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 75.286 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 75.228 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 54.063 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 75.672 ms
Loss rate: 0.73%

Run 6: Report of QUIC Cubic — Data Link

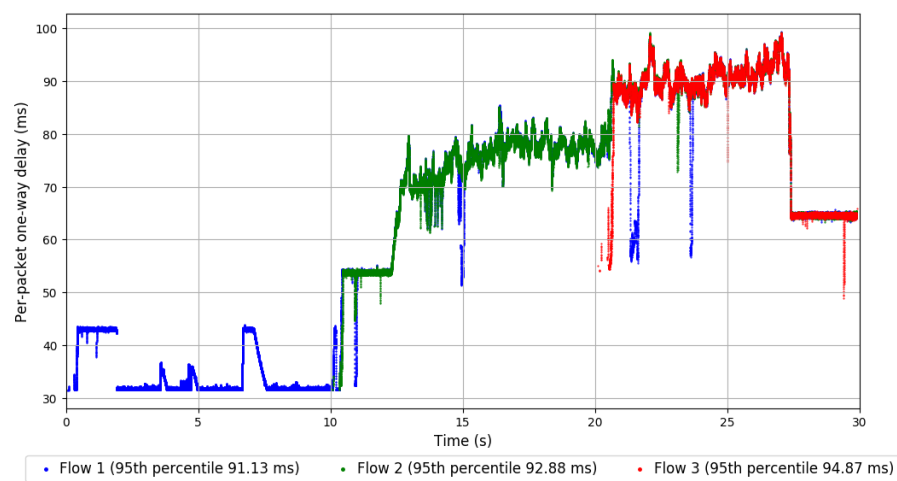
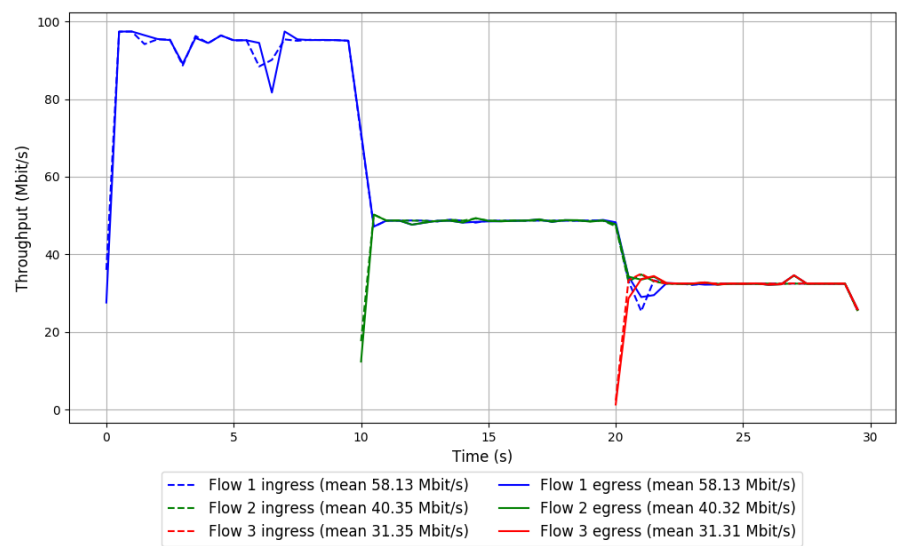


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-20 06:47:33
End at: 2017-12-20 06:48:03
Local clock offset: 1.275 ms
Remote clock offset: -11.726 ms

Below is generated by plot.py at 2017-12-20 11:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 92.560 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 91.131 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 92.882 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 94.868 ms
Loss rate: 0.63%

Run 7: Report of QUIC Cubic — Data Link

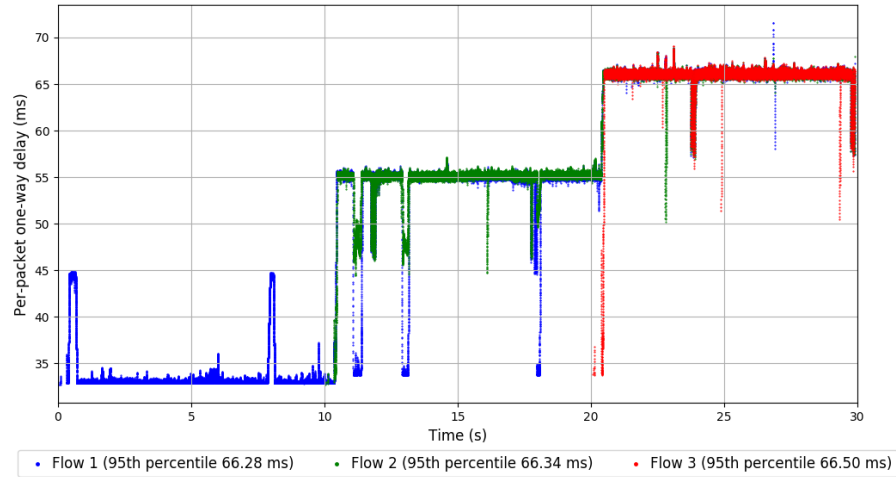
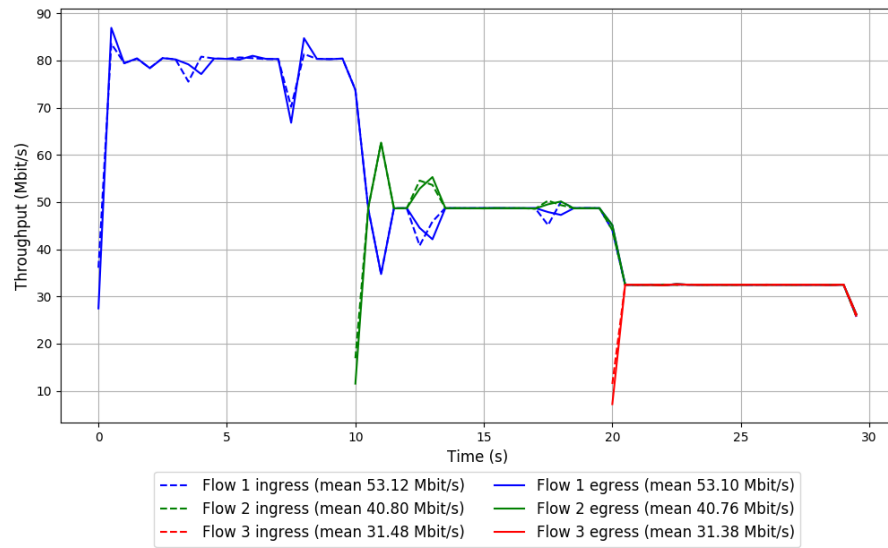


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-20 07:07:10
End at: 2017-12-20 07:07:40
Local clock offset: 1.468 ms
Remote clock offset: -13.207 ms

Below is generated by plot.py at 2017-12-20 11:21:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 66.369 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 66.283 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 66.341 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 0.62%

Run 8: Report of QUIC Cubic — Data Link

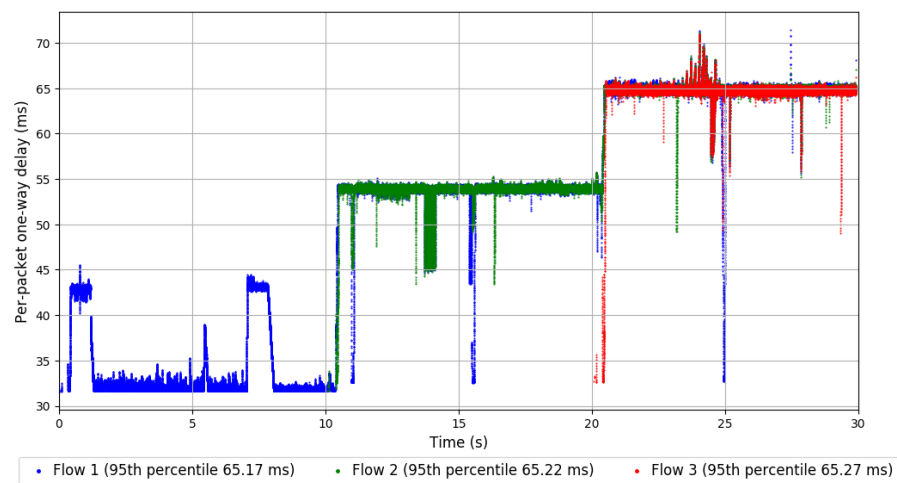
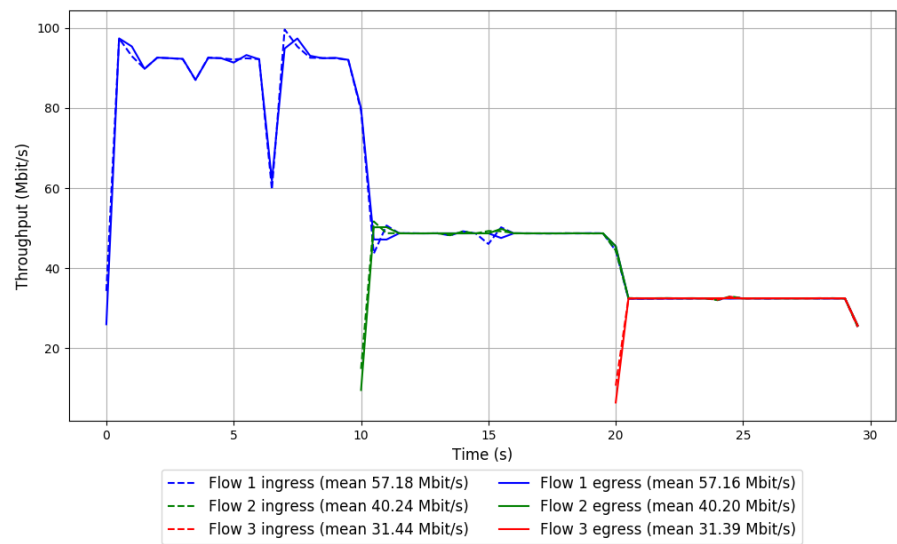


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-20 07:25:56
End at: 2017-12-20 07:26:26
Local clock offset: 0.553 ms
Remote clock offset: -13.214 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 65.207 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 65.173 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 65.220 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 65.270 ms
Loss rate: 0.62%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-20 07:45:45

End at: 2017-12-20 07:46:15

Local clock offset: 2.897 ms

Remote clock offset: -11.686 ms

Below is generated by plot.py at 2017-12-20 11:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 76.127 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 76.068 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 48.17 Mbit/s

95th percentile per-packet one-way delay: 55.085 ms

Loss rate: 0.25%

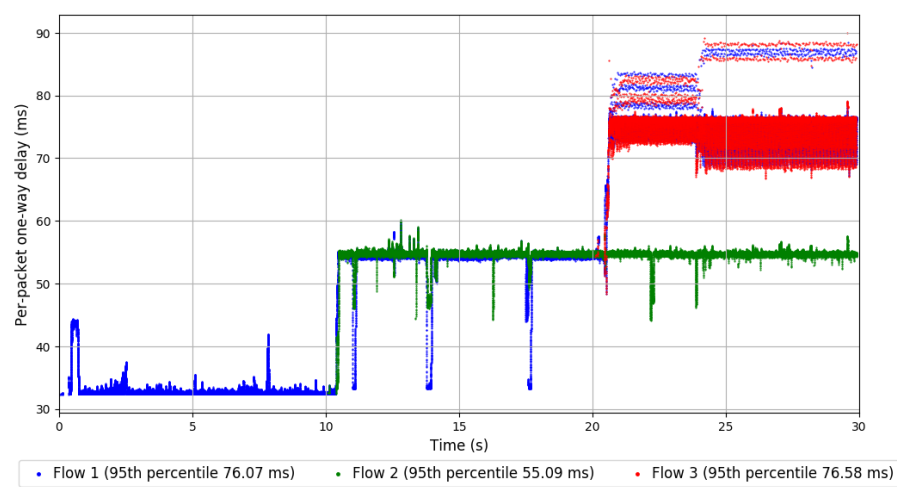
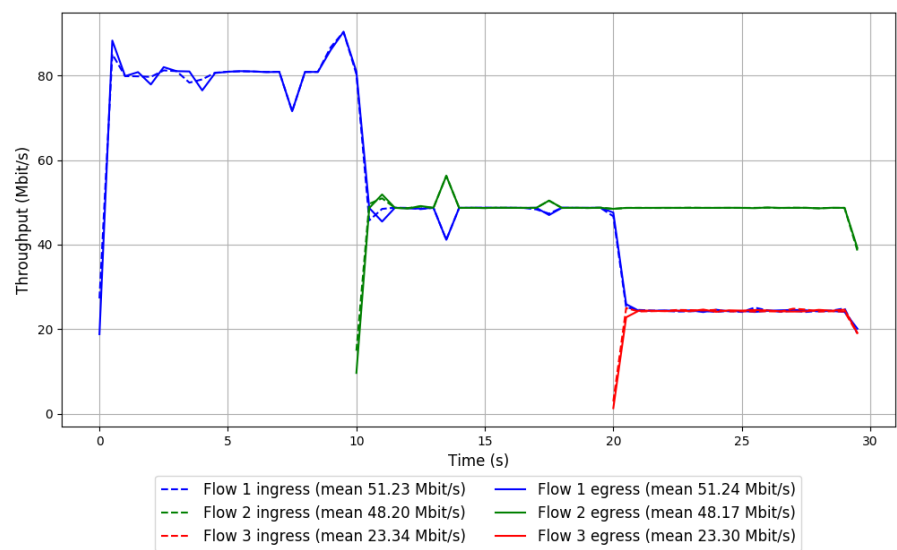
-- Flow 3:

Average throughput: 23.30 Mbit/s

95th percentile per-packet one-way delay: 76.581 ms

Loss rate: 0.67%

Run 10: Report of QUIC Cubic — Data Link

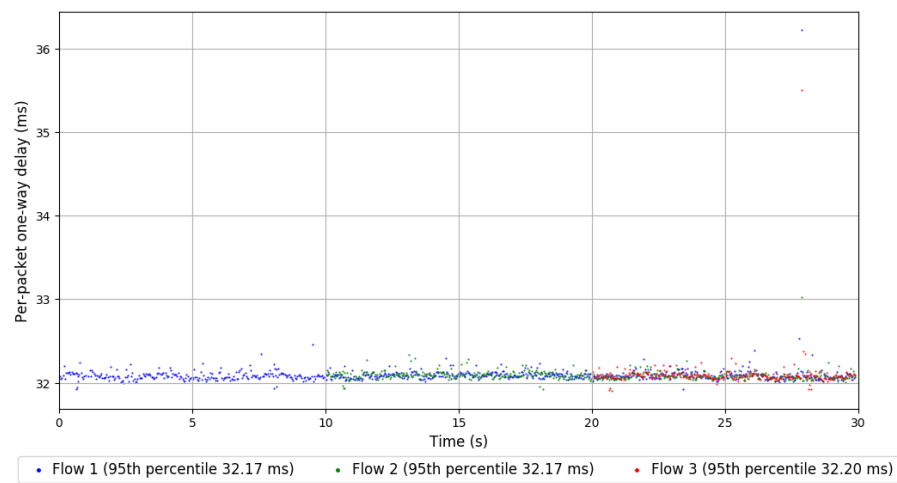
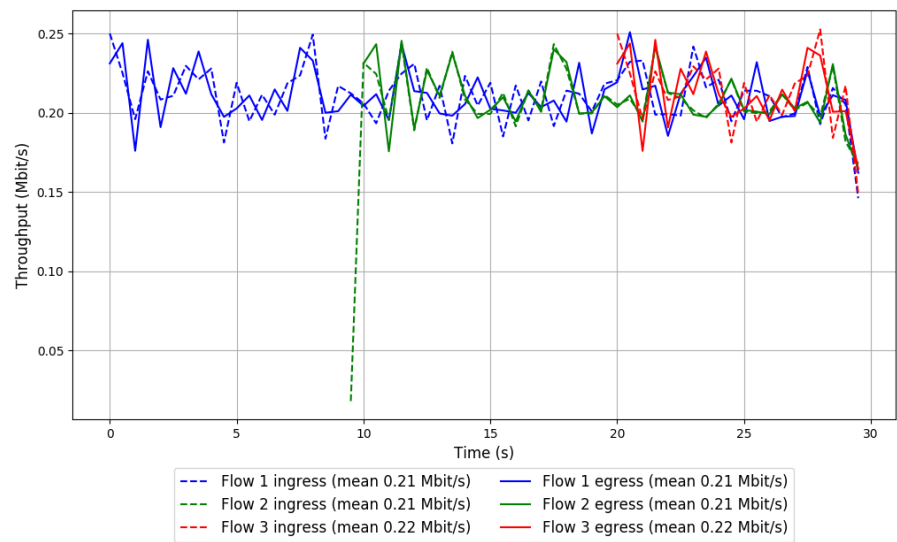


Run 1: Statistics of SCReAM

Start at: 2017-12-20 05:02:00
End at: 2017-12-20 05:02:30
Local clock offset: 3.751 ms
Remote clock offset: -10.382 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.173 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.174 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.196 ms
Loss rate: 0.00%

Run 1: Report of SCRaM — Data Link

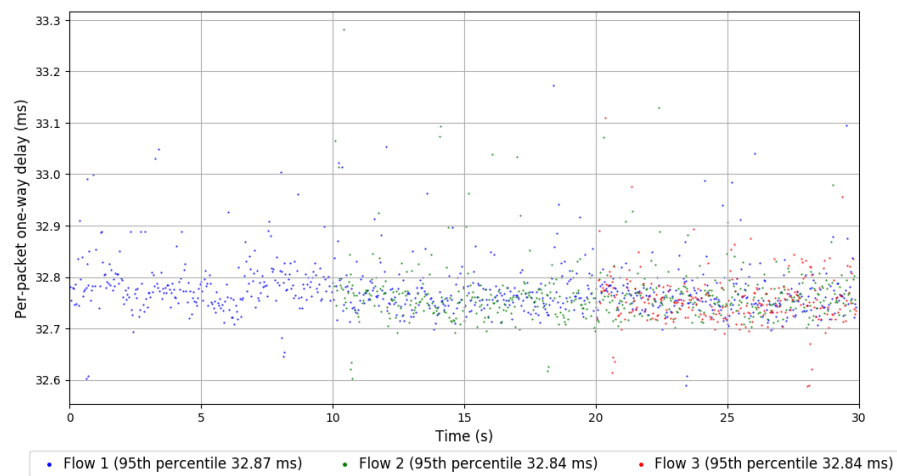
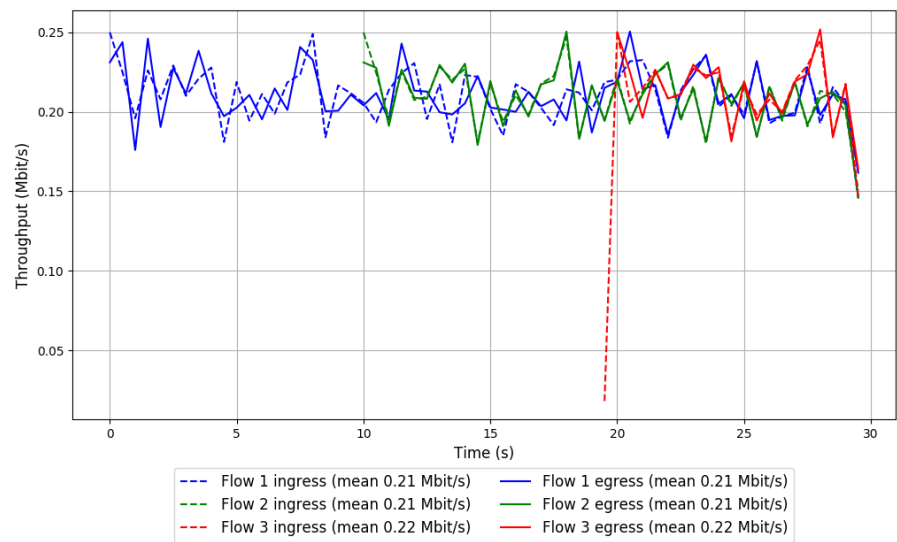


Run 2: Statistics of SReAM

Start at: 2017-12-20 05:20:46
End at: 2017-12-20 05:21:16
Local clock offset: 4.143 ms
Remote clock offset: -10.063 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.852 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.843 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.835 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

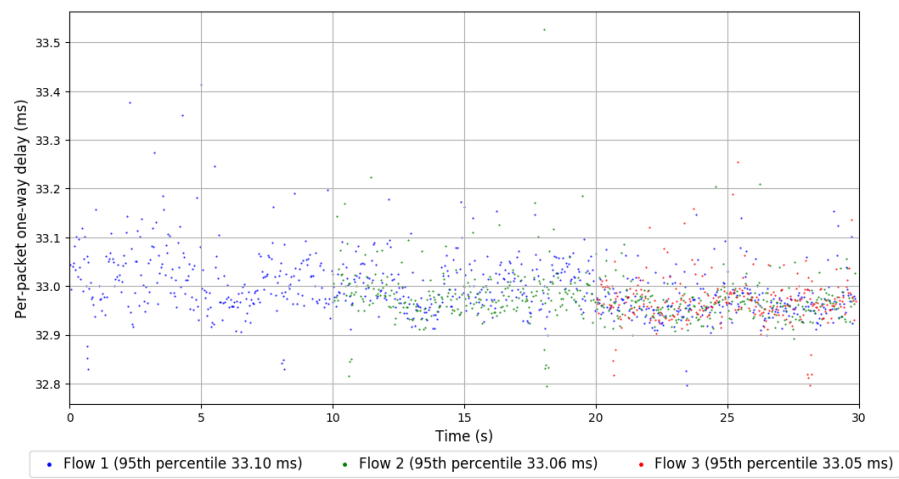
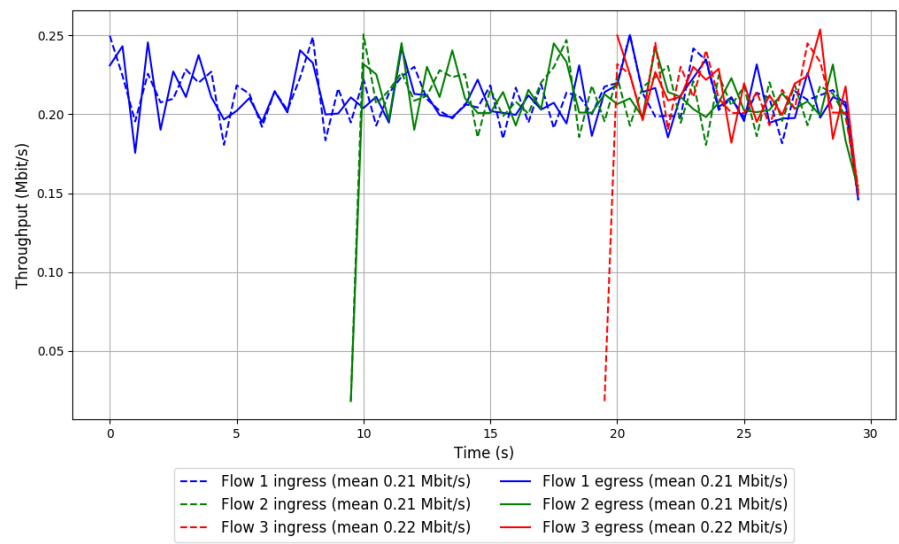


Run 3: Statistics of SCReAM

Start at: 2017-12-20 05:39:20
End at: 2017-12-20 05:39:50
Local clock offset: 4.993 ms
Remote clock offset: -8.989 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 33.083 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.101 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.056 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.045 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

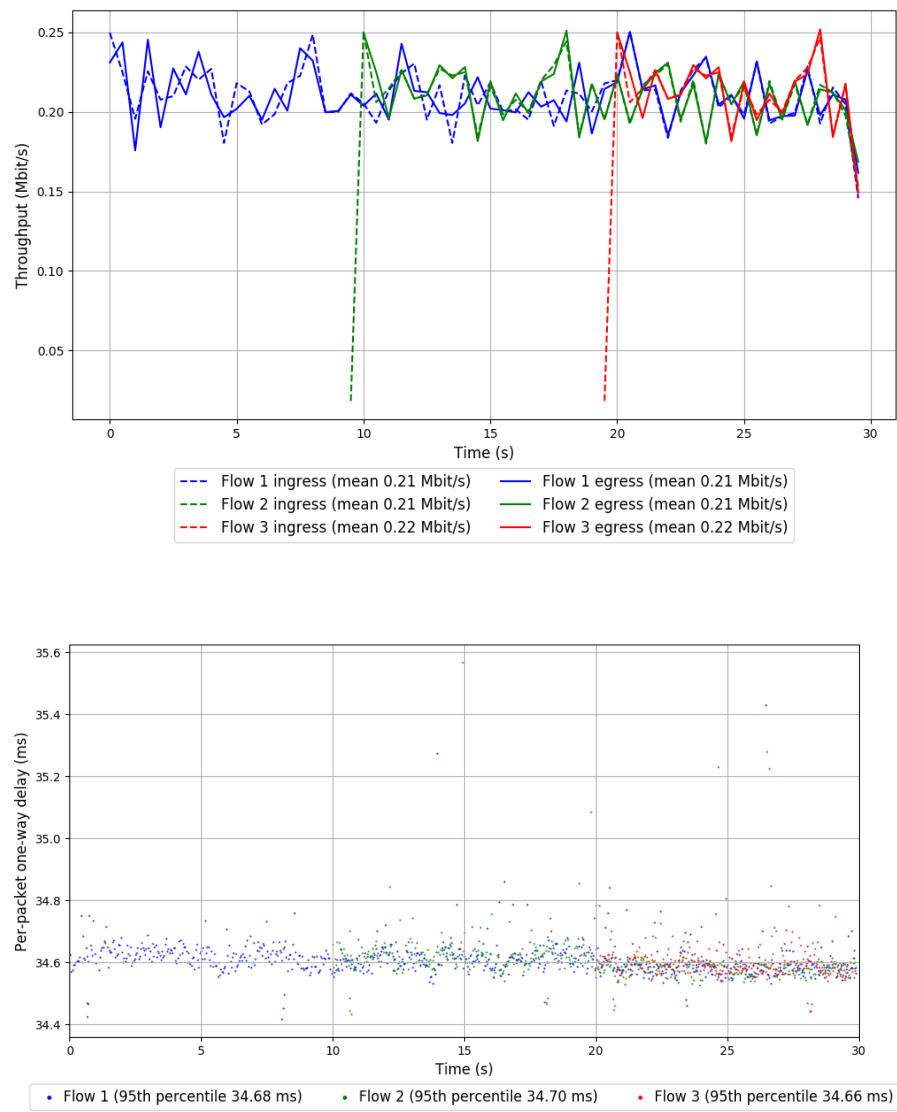


Run 4: Statistics of SReAM

Start at: 2017-12-20 05:57:18
End at: 2017-12-20 05:57:48
Local clock offset: 4.583 ms
Remote clock offset: -11.106 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.679 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.663 ms
Loss rate: 0.35%

Run 4: Report of SCReAM — Data Link

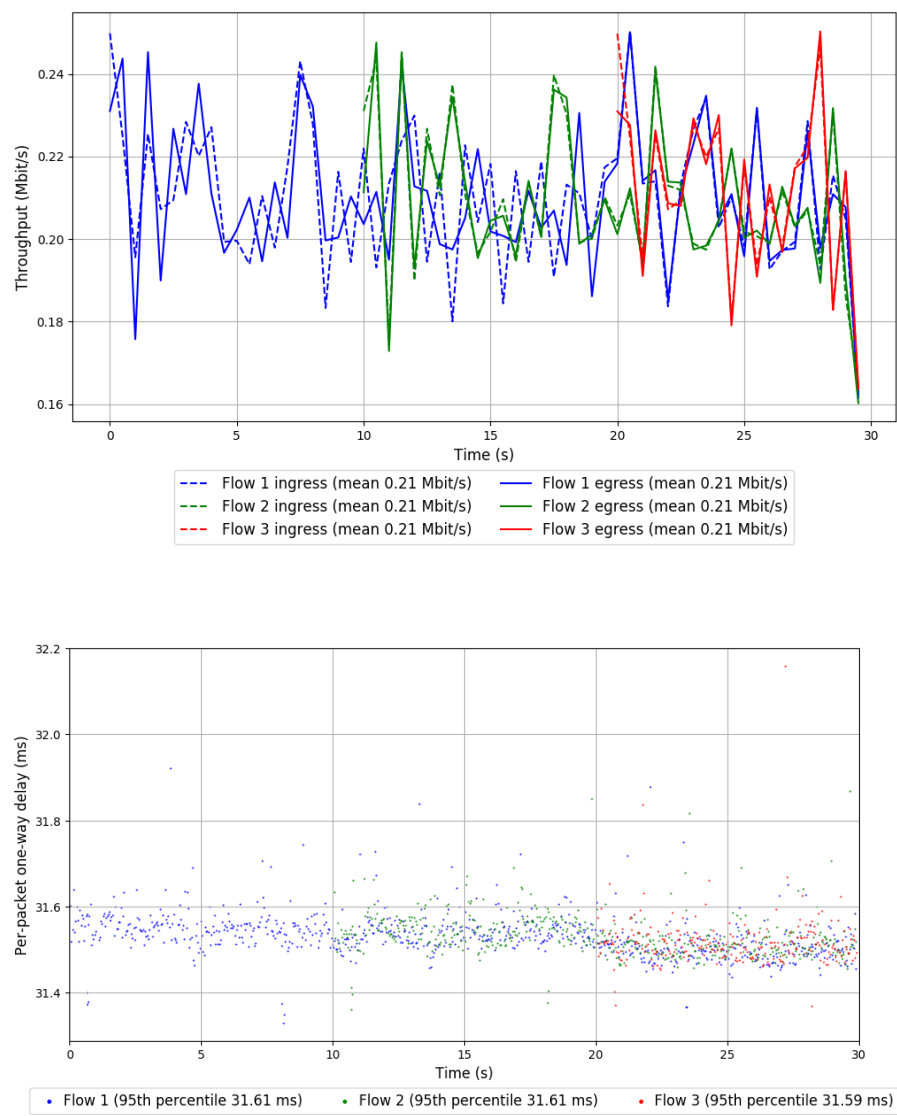


Run 5: Statistics of SReAM

Start at: 2017-12-20 06:15:39
End at: 2017-12-20 06:16:09
Local clock offset: 1.733 ms
Remote clock offset: -11.097 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.606 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.608 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.590 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

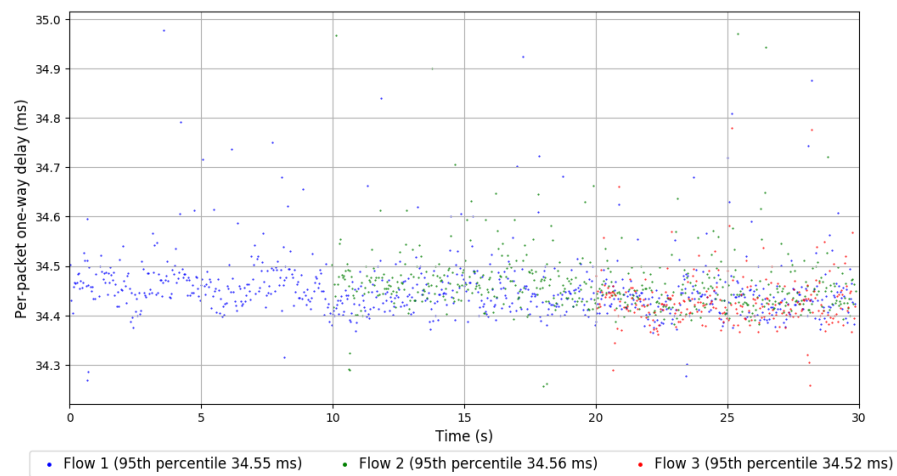
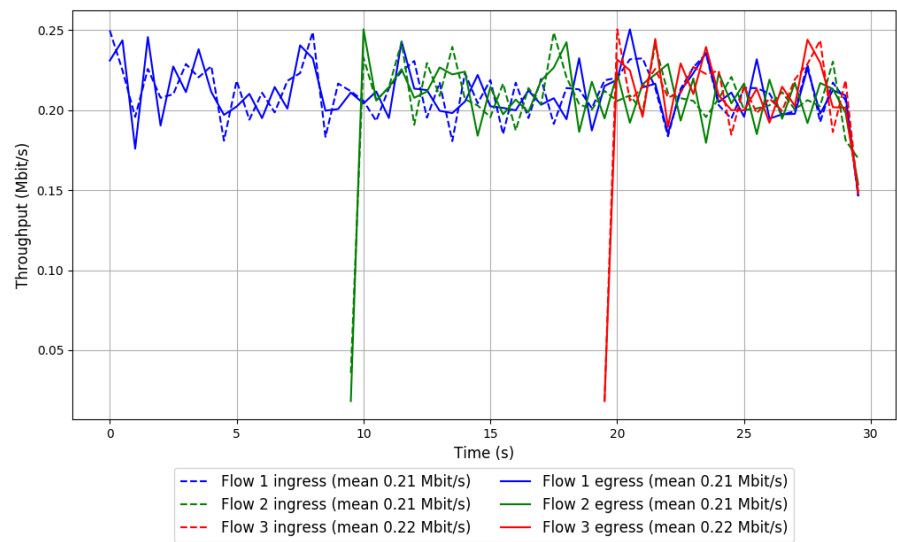


Run 6: Statistics of SReAM

Start at: 2017-12-20 06:35:10
End at: 2017-12-20 06:35:40
Local clock offset: 2.726 ms
Remote clock offset: -12.991 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.554 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.554 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.559 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.520 ms
Loss rate: 0.35%

Run 6: Report of SCReAM — Data Link

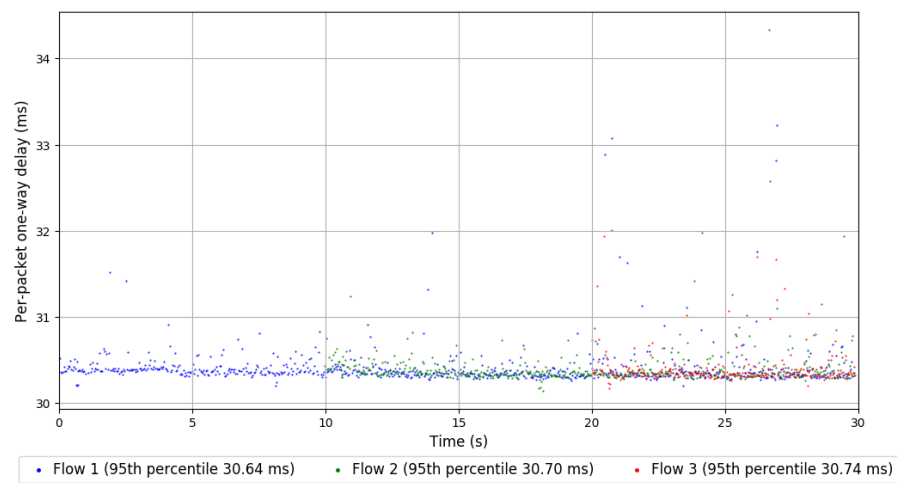
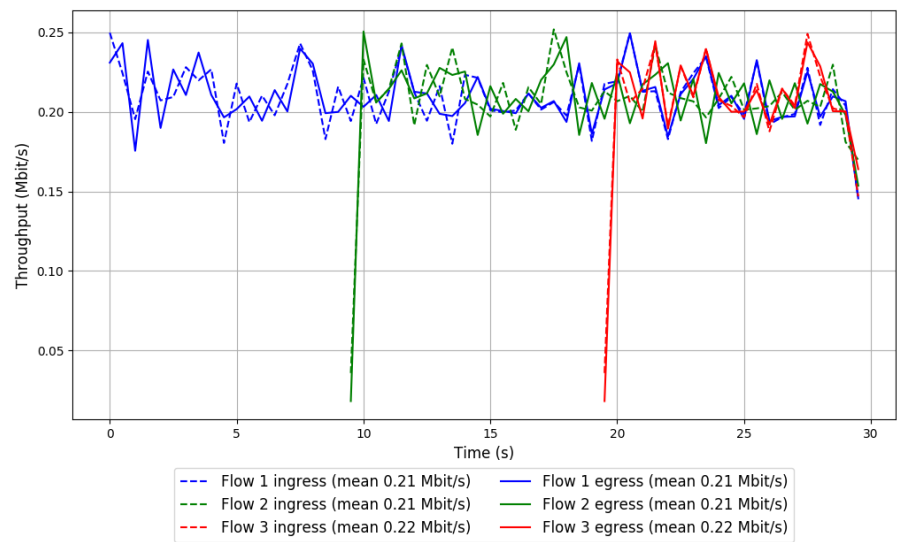


Run 7: Statistics of SReAM

Start at: 2017-12-20 06:54:15
End at: 2017-12-20 06:54:45
Local clock offset: -1.321 ms
Remote clock offset: -13.181 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.671 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.636 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.697 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.742 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

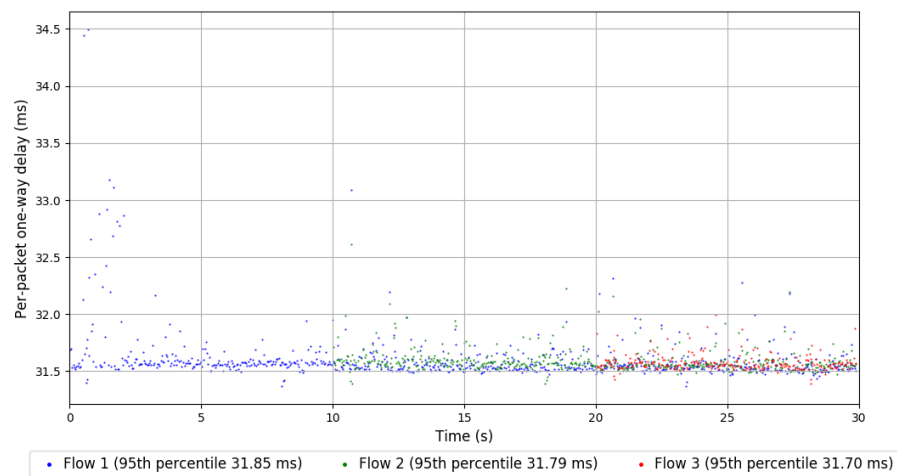
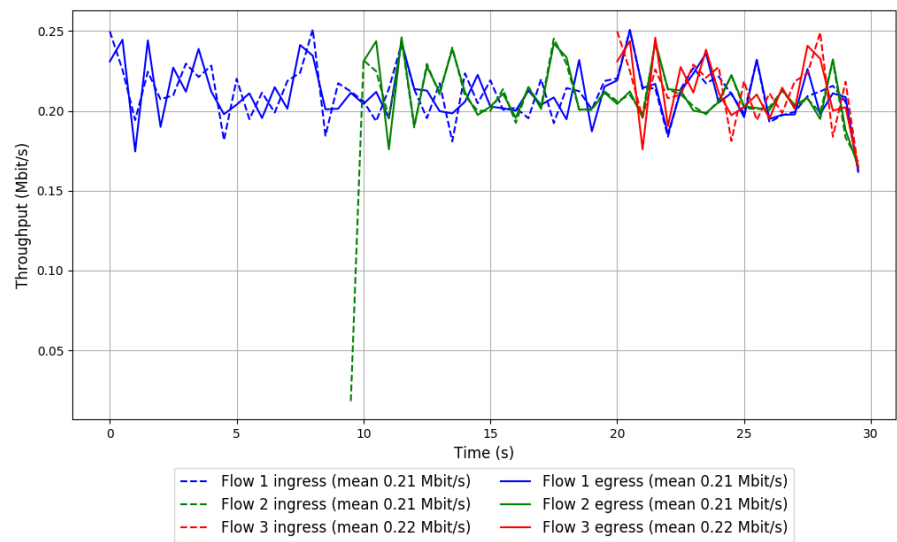


Run 8: Statistics of SReAM

Start at: 2017-12-20 07:13:34
End at: 2017-12-20 07:14:04
Local clock offset: 1.371 ms
Remote clock offset: -12.082 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.851 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.792 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.704 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

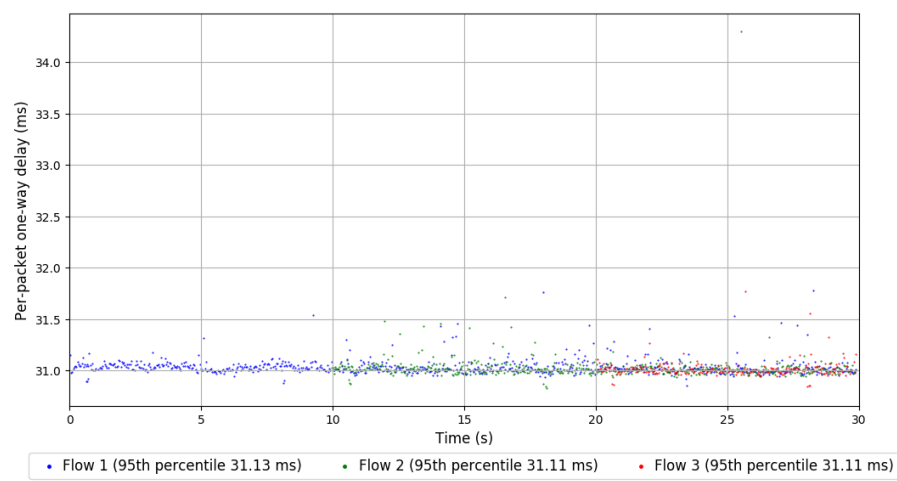
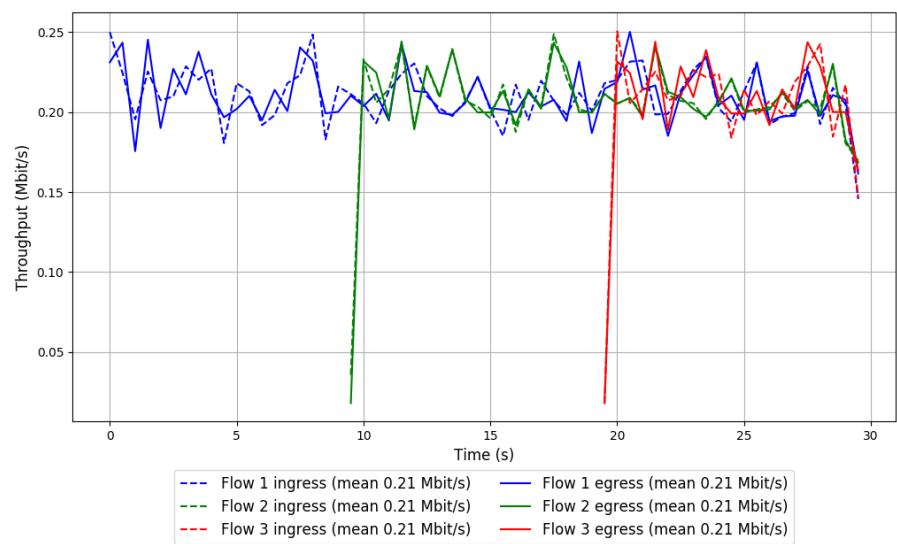


Run 9: Statistics of SCReAM

Start at: 2017-12-20 07:32:21
End at: 2017-12-20 07:32:51
Local clock offset: -0.066 ms
Remote clock offset: -13.114 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

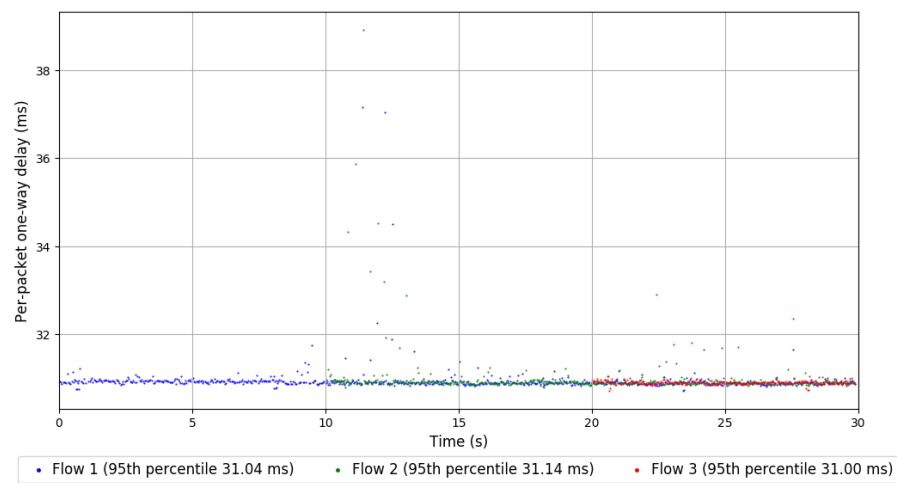
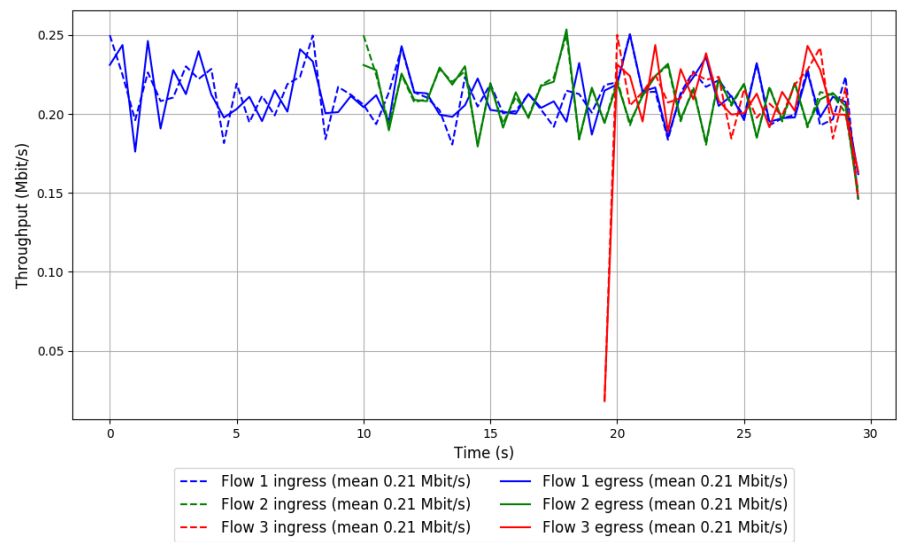


Run 10: Statistics of SReAM

Start at: 2017-12-20 07:52:40
End at: 2017-12-20 07:53:10
Local clock offset: 0.917 ms
Remote clock offset: -12.219 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.048 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.000 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

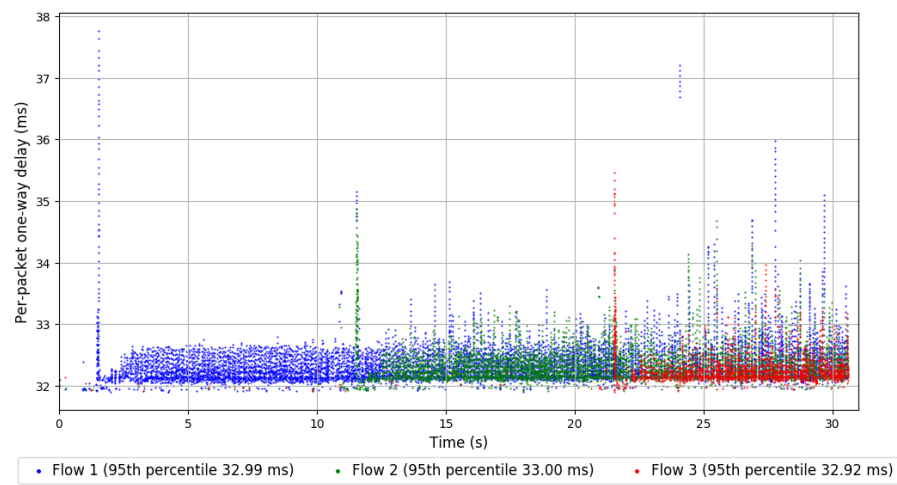
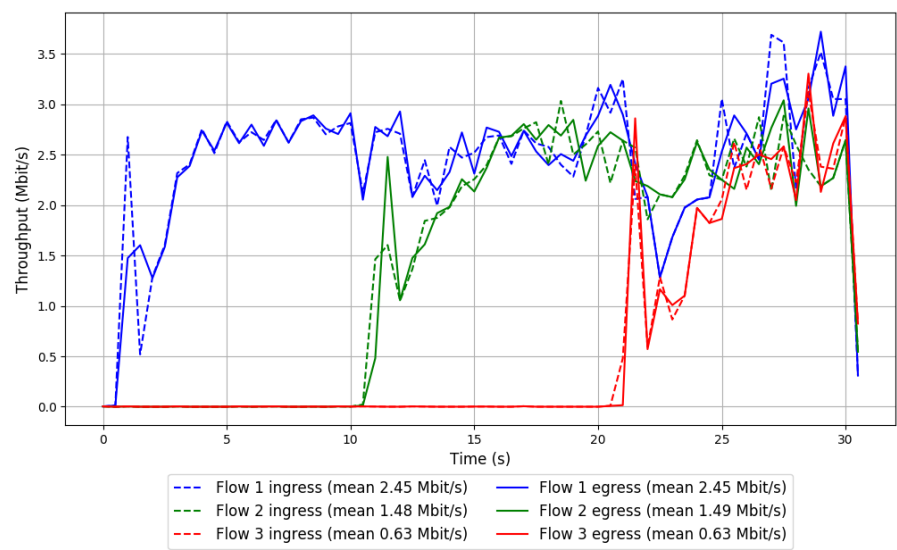


Run 1: Statistics of WebRTC media

Start at: 2017-12-20 05:03:06
End at: 2017-12-20 05:03:36
Local clock offset: 3.622 ms
Remote clock offset: -10.514 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 32.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 33.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 32.917 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

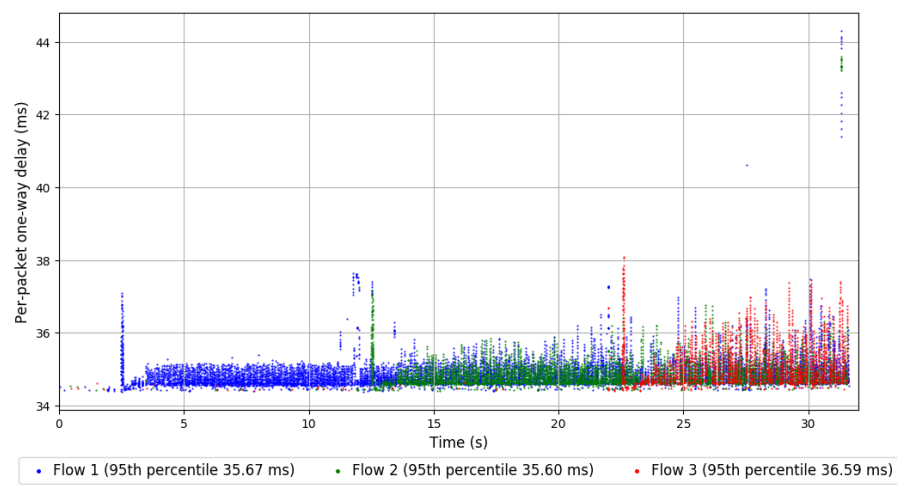
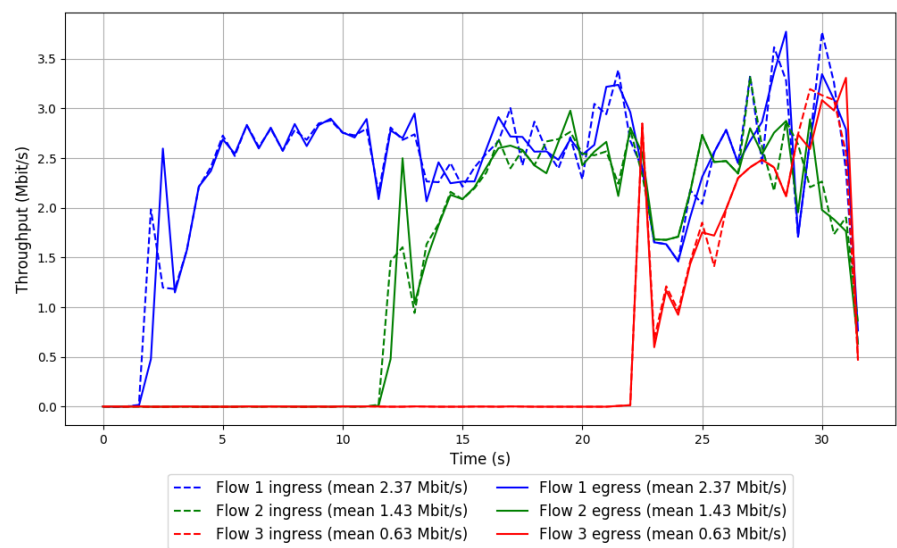


Run 2: Statistics of WebRTC media

Start at: 2017-12-20 05:21:52
End at: 2017-12-20 05:22:22
Local clock offset: 5.081 ms
Remote clock offset: -10.922 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 35.673 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 35.600 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 36.588 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link

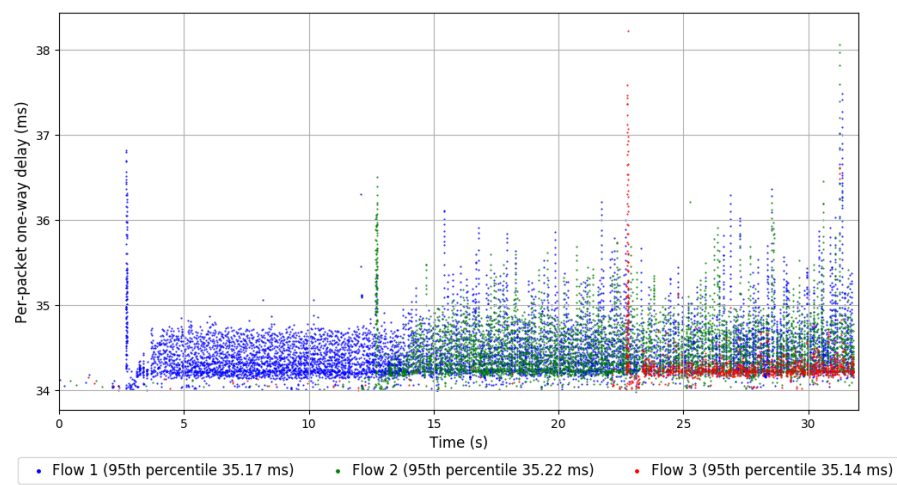
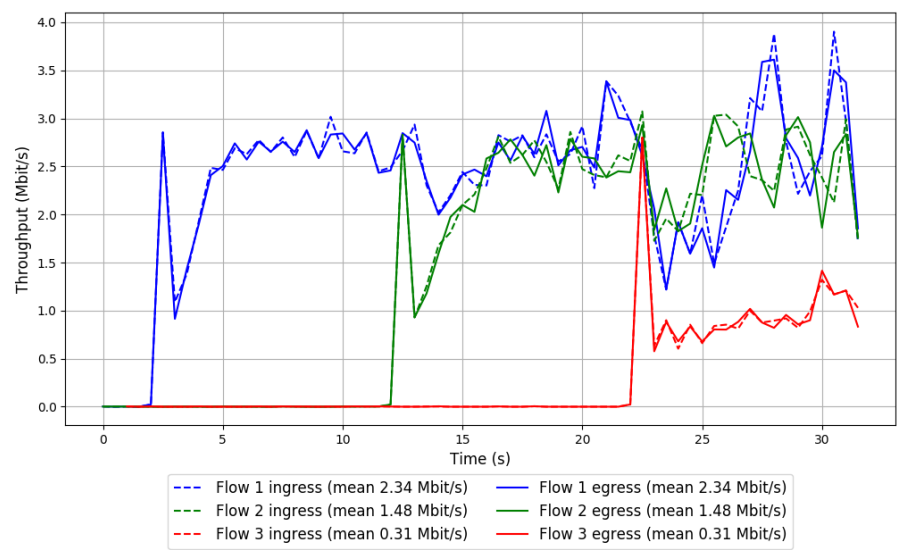


Run 3: Statistics of WebRTC media

Start at: 2017-12-20 05:40:25
End at: 2017-12-20 05:40:55
Local clock offset: 5.136 ms
Remote clock offset: -10.068 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 35.193 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 35.173 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 35.223 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 35.142 ms
Loss rate: 1.02%

Run 3: Report of WebRTC media — Data Link

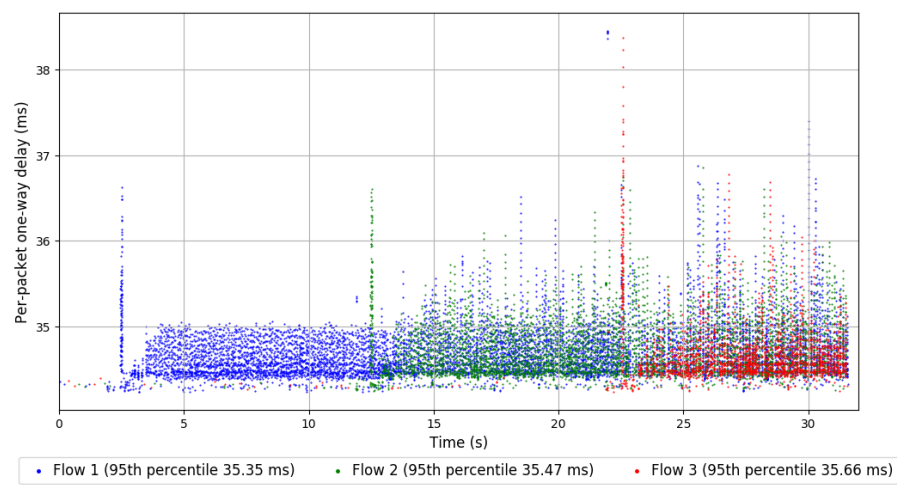
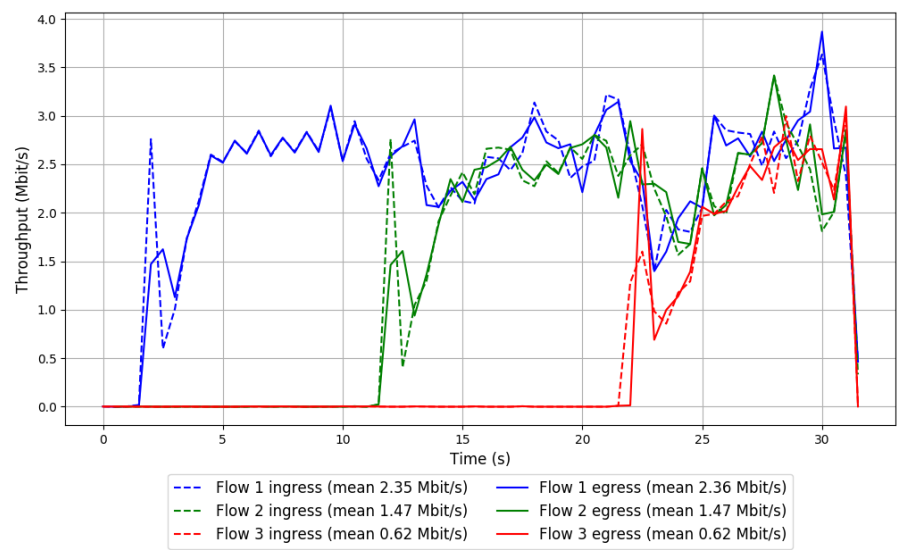


Run 4: Statistics of WebRTC media

Start at: 2017-12-20 05:58:23
End at: 2017-12-20 05:58:53
Local clock offset: 5.39 ms
Remote clock offset: -10.141 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 35.429 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 35.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 35.467 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 35.658 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

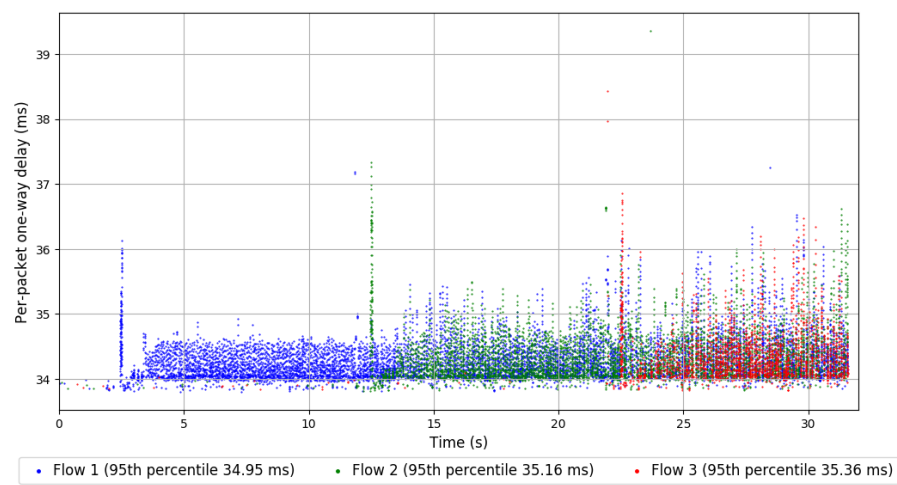
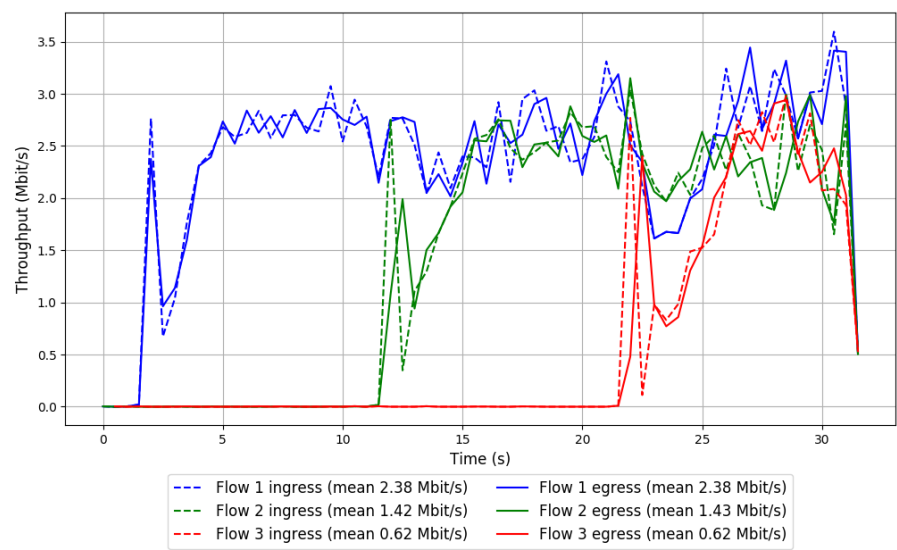


Run 5: Statistics of WebRTC media

Start at: 2017-12-20 06:16:44
End at: 2017-12-20 06:17:14
Local clock offset: 4.466 ms
Remote clock offset: -10.863 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 35.085 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 35.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 35.357 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

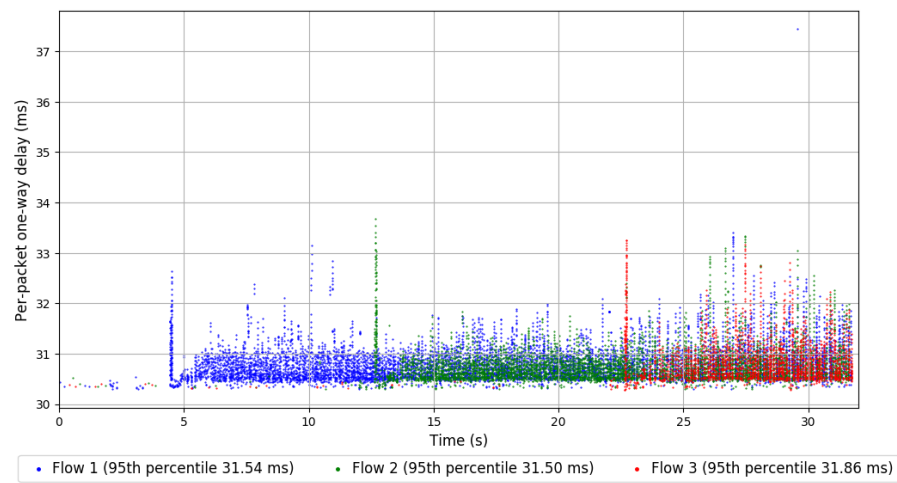
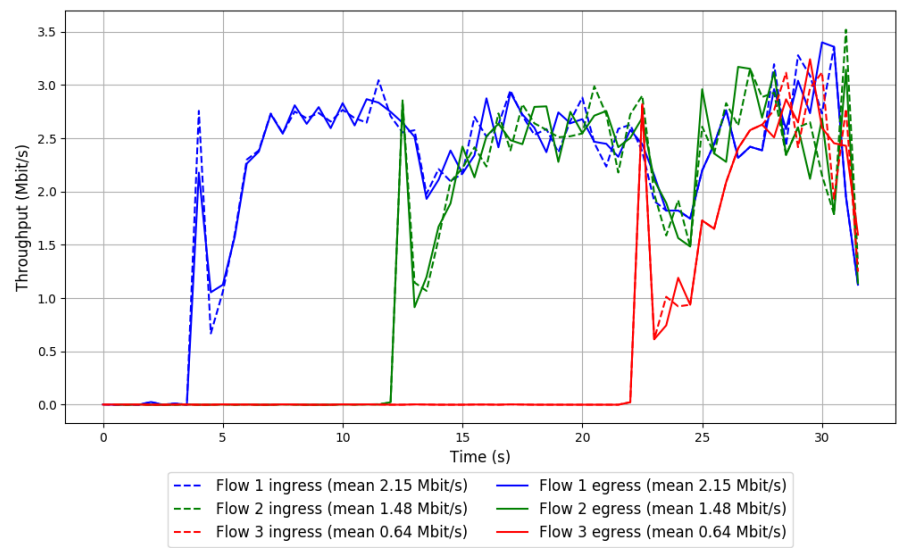


Run 6: Statistics of WebRTC media

Start at: 2017-12-20 06:36:15
End at: 2017-12-20 06:36:45
Local clock offset: 0.142 ms
Remote clock offset: -11.632 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 31.586 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 31.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 31.497 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.860 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

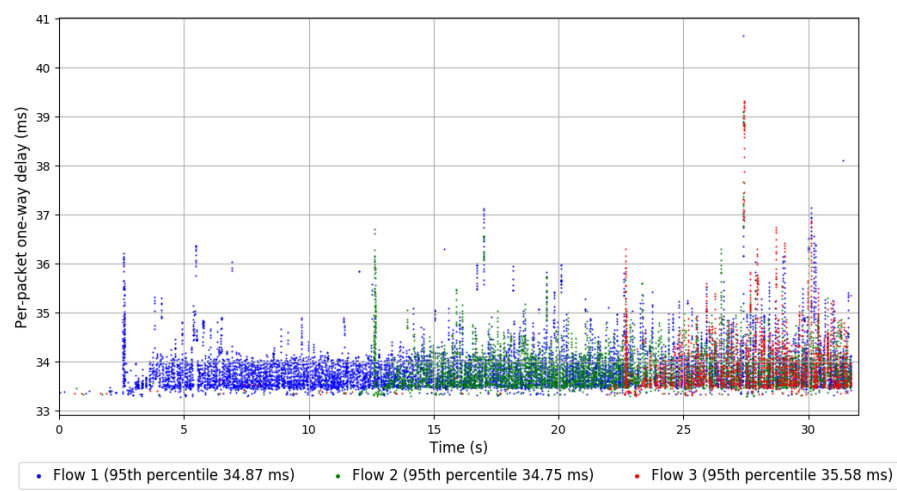
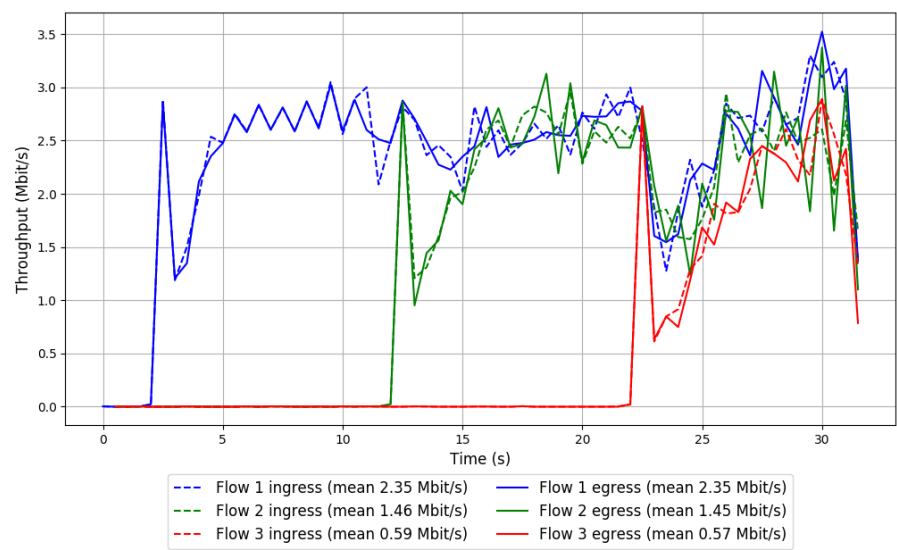


Run 7: Statistics of WebRTC media

Start at: 2017-12-20 06:55:21
End at: 2017-12-20 06:55:51
Local clock offset: 2.592 ms
Remote clock offset: -12.423 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 34.909 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 34.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 34.752 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 35.582 ms
Loss rate: 2.04%

Run 7: Report of WebRTC media — Data Link

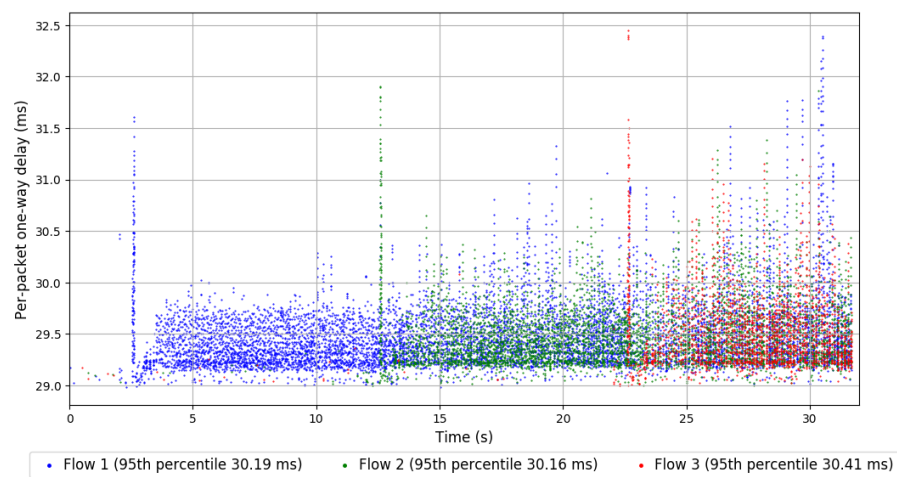
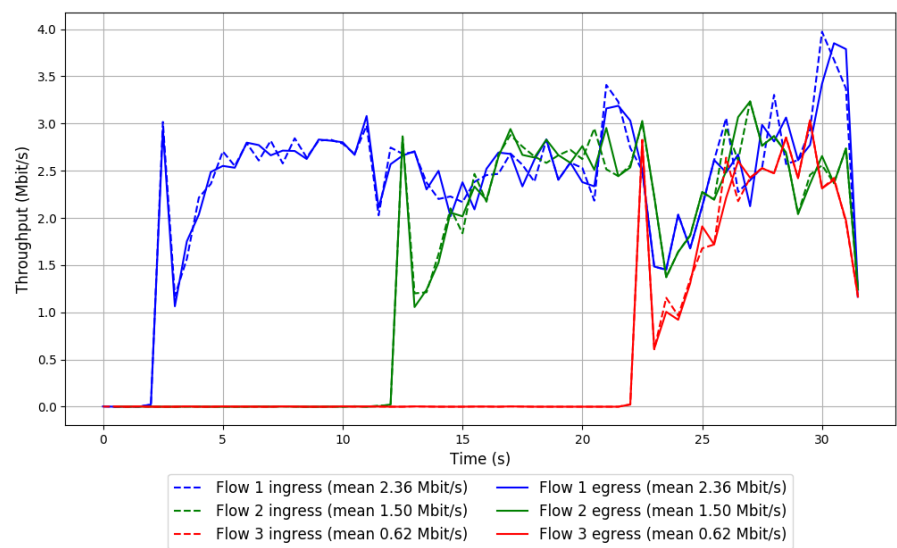


Run 8: Statistics of WebRTC media

Start at: 2017-12-20 07:14:40
End at: 2017-12-20 07:15:10
Local clock offset: -0.402 ms
Remote clock offset: -11.527 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 30.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 30.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 30.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 30.409 ms
Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link

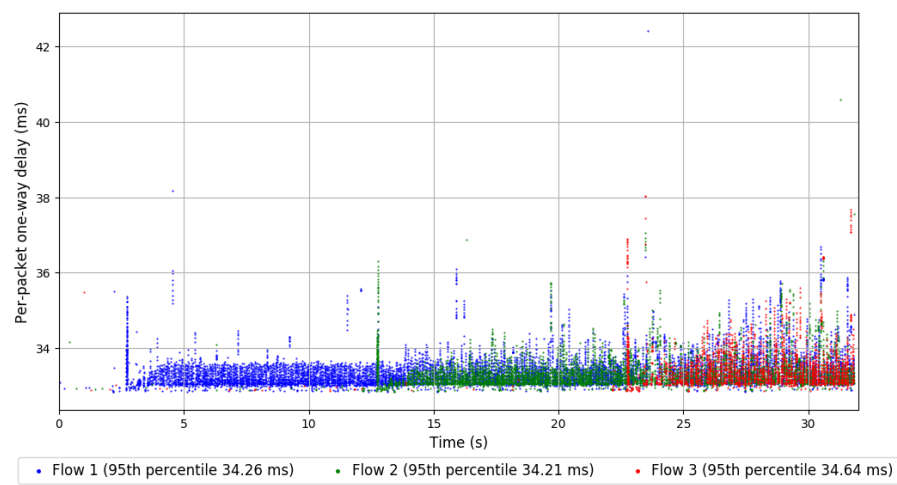
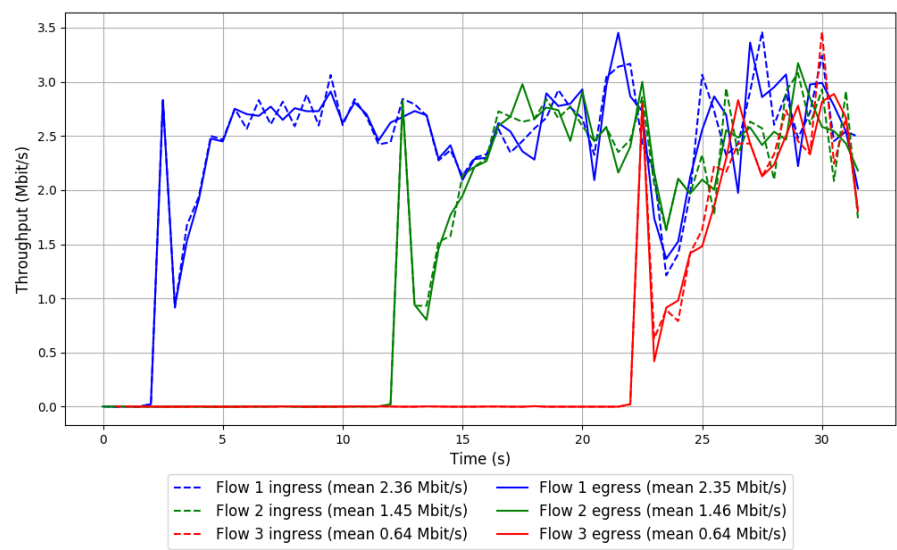


Run 9: Statistics of WebRTC media

Start at: 2017-12-20 07:33:27
End at: 2017-12-20 07:33:57
Local clock offset: 2.251 ms
Remote clock offset: -12.834 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 34.305 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 34.258 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 34.214 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.638 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

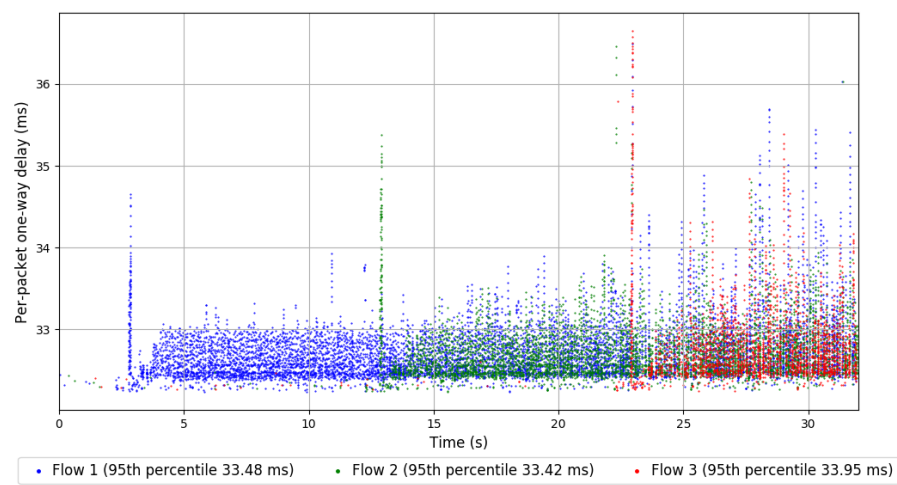
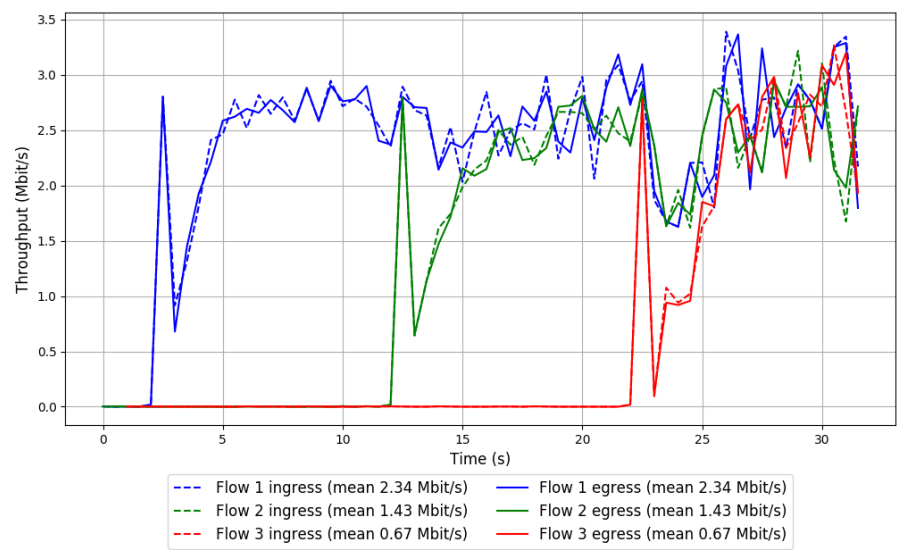


Run 10: Statistics of WebRTC media

Start at: 2017-12-20 07:53:45
End at: 2017-12-20 07:54:15
Local clock offset: 3.178 ms
Remote clock offset: -11.484 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 33.521 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 33.475 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 33.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 33.948 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

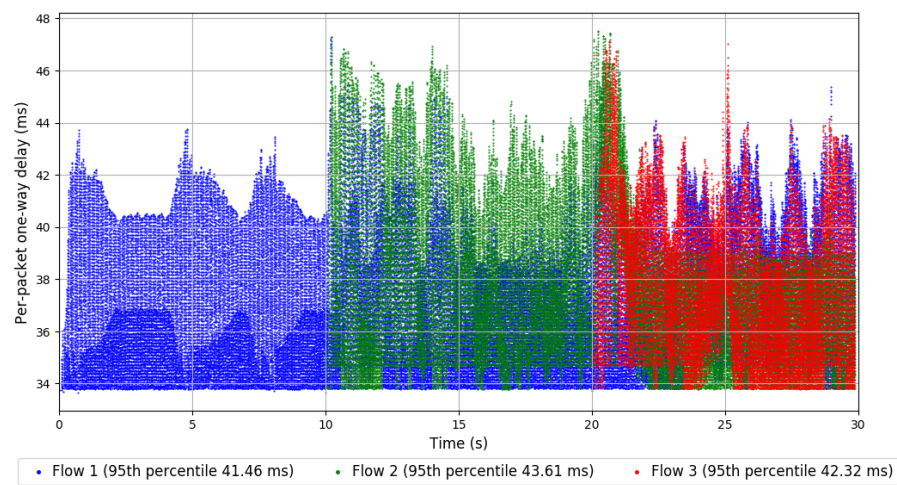
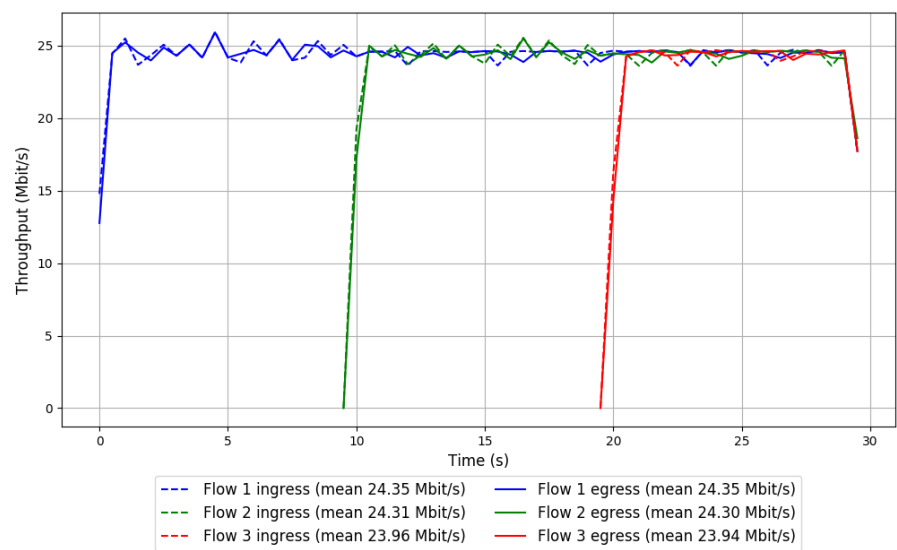


Run 1: Statistics of Sprout

Start at: 2017-12-20 05:12:06
End at: 2017-12-20 05:12:36
Local clock offset: 4.926 ms
Remote clock offset: -10.57 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 42.358 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 41.456 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 43.610 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 42.321 ms
Loss rate: 0.41%

Run 1: Report of Sprout — Data Link

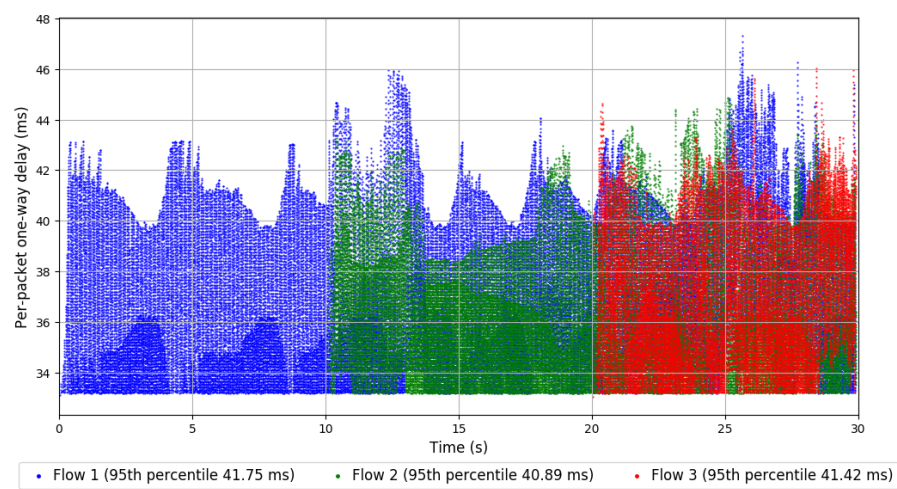
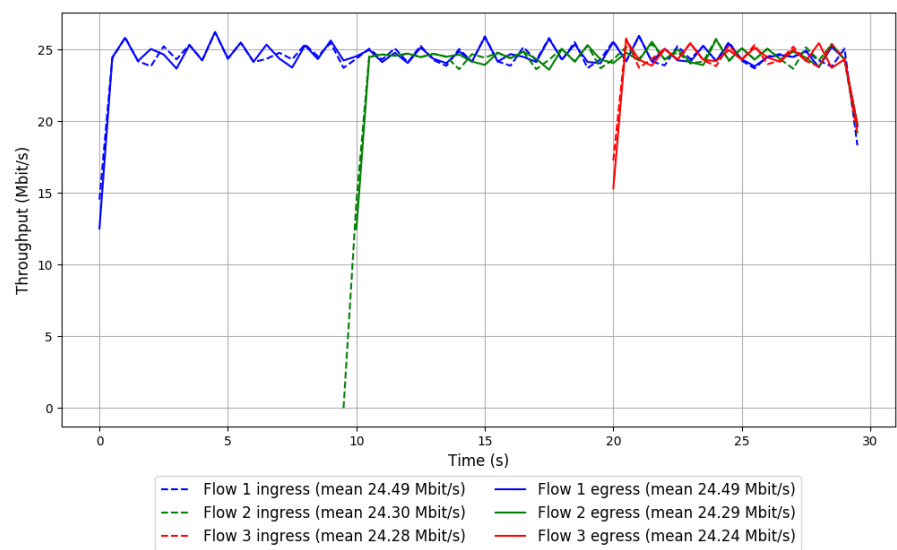


Run 2: Statistics of Sprout

Start at: 2017-12-20 05:30:36
End at: 2017-12-20 05:31:06
Local clock offset: 5.314 ms
Remote clock offset: -9.034 ms

Below is generated by plot.py at 2017-12-20 11:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 41.445 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 41.748 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 40.892 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 41.416 ms
Loss rate: 0.29%

Run 2: Report of Sprout — Data Link

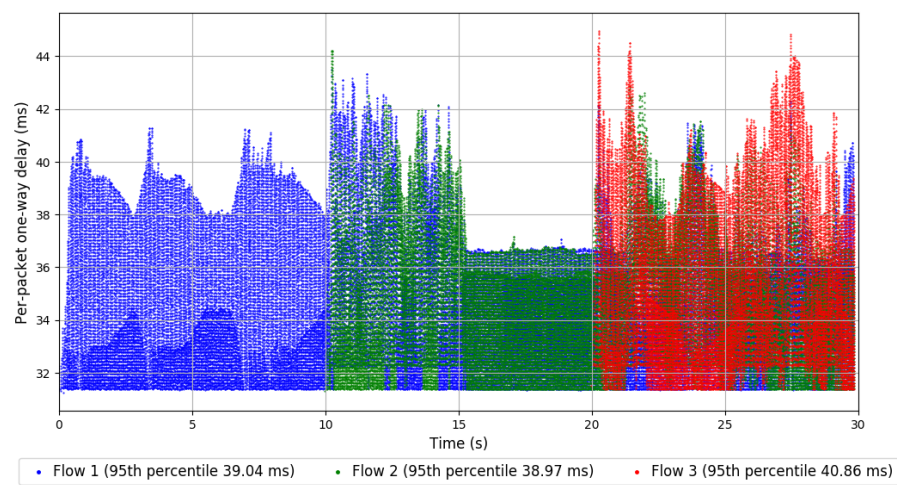
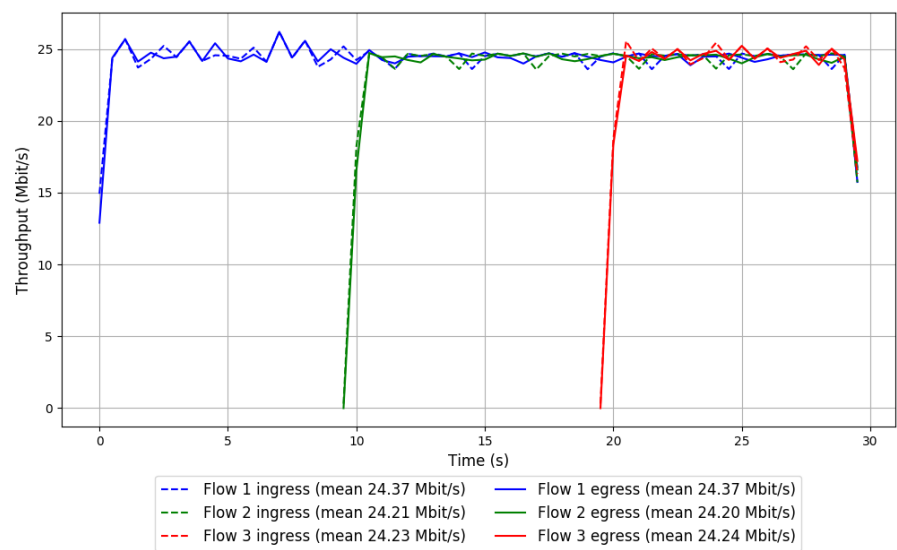


Run 3: Statistics of Sprout

Start at: 2017-12-20 05:48:54
End at: 2017-12-20 05:49:24
Local clock offset: 1.81 ms
Remote clock offset: -10.636 ms

```
# Below is generated by plot.py at 2017-12-20 11:21:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 39.413 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 39.044 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 38.973 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 40.858 ms
Loss rate: 0.10%
```


Run 3: Report of Sprout — Data Link

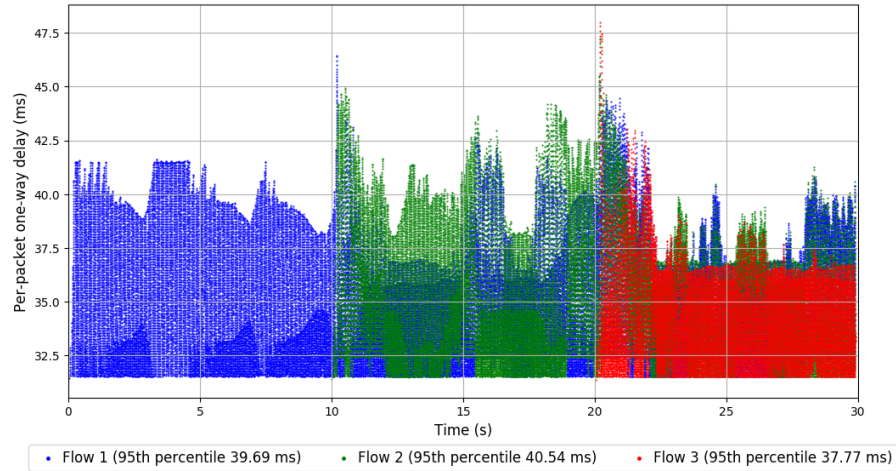
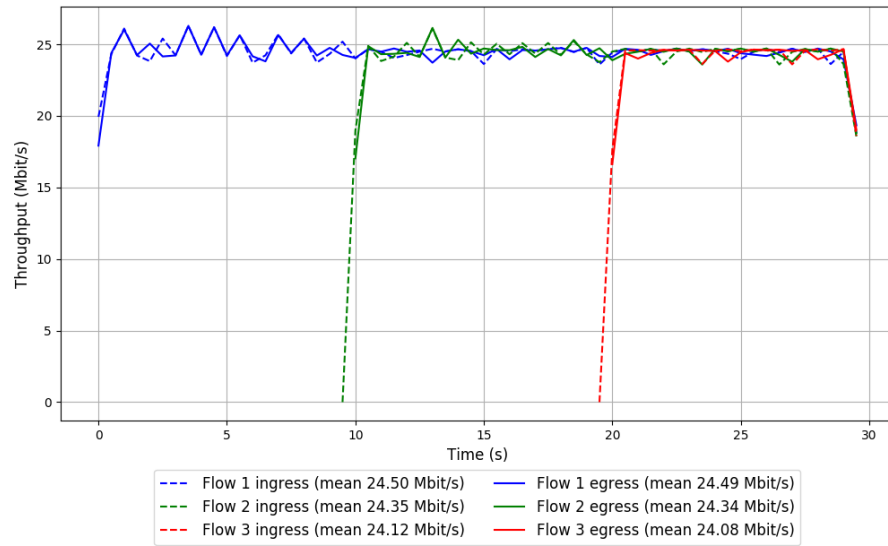


Run 4: Statistics of Sprout

Start at: 2017-12-20 06:06:58
End at: 2017-12-20 06:07:28
Local clock offset: 1.658 ms
Remote clock offset: -11.094 ms

```
# Below is generated by plot.py at 2017-12-20 11:21:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 39.810 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 39.689 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 40.544 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 37.769 ms
Loss rate: 0.33%
```

Run 4: Report of Sprout — Data Link

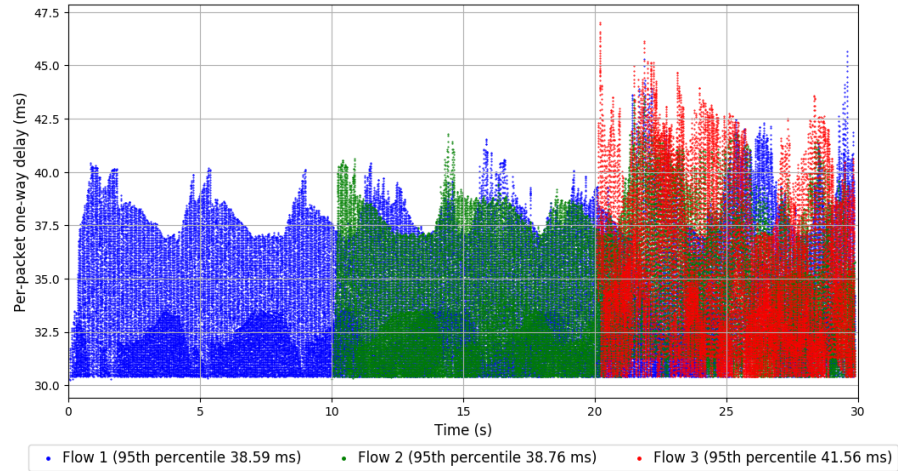
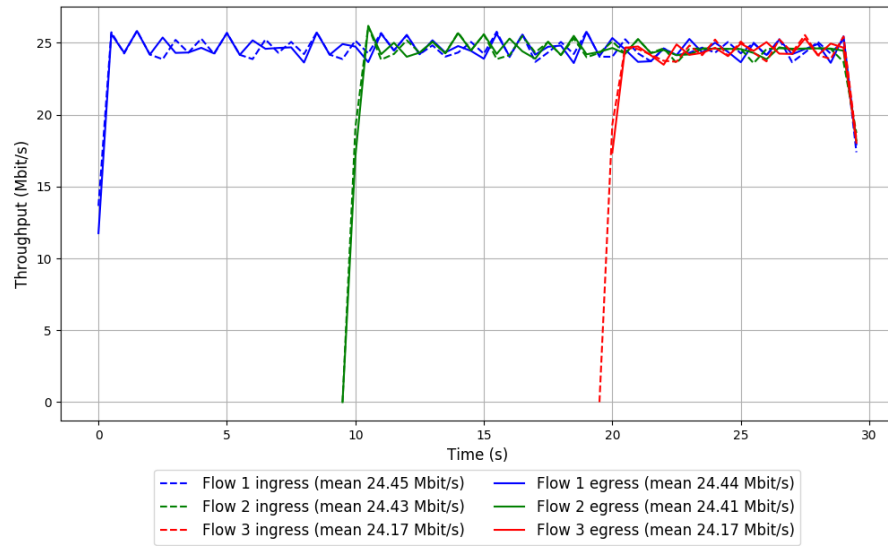


Run 5: Statistics of Sprout

Start at: 2017-12-20 06:25:32
End at: 2017-12-20 06:26:02
Local clock offset: 1.624 ms
Remote clock offset: -10.12 ms

Below is generated by plot.py at 2017-12-20 11:21:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 39.374 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 38.587 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 38.758 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 41.557 ms
Loss rate: 0.41%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

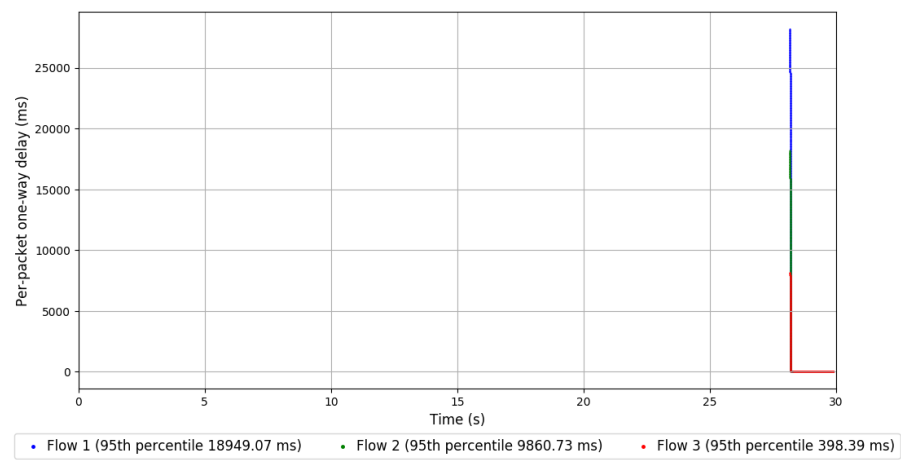
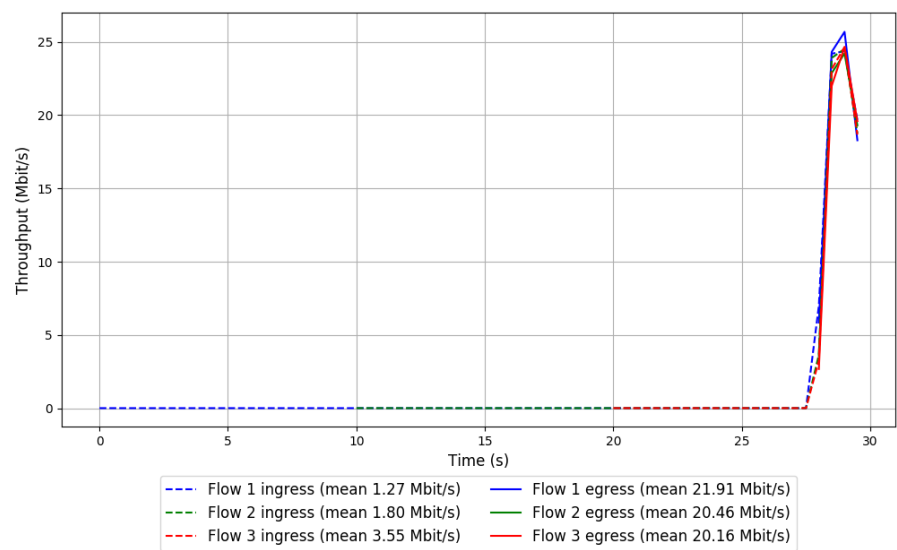
Start at: 2017-12-20 06:45:11

End at: 2017-12-20 06:45:41

Local clock offset: -0.196 ms

Remote clock offset: -10.062 ms

Run 6: Report of Sprout — Data Link

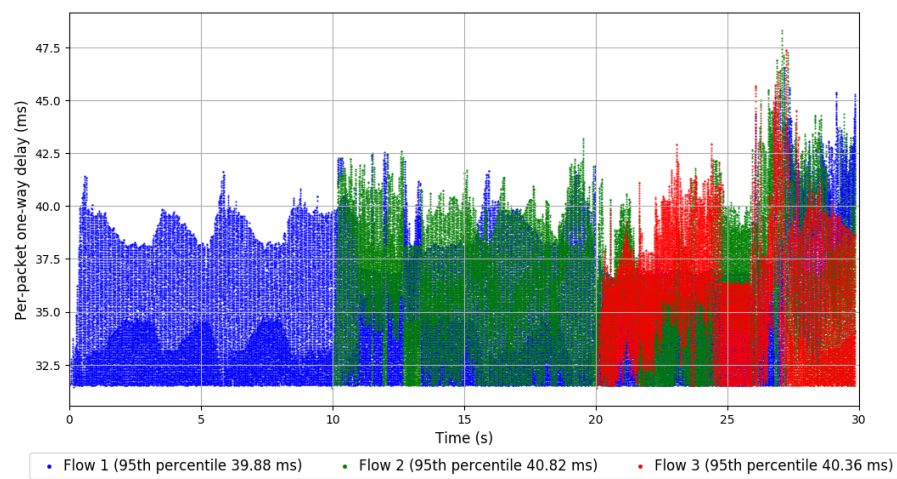
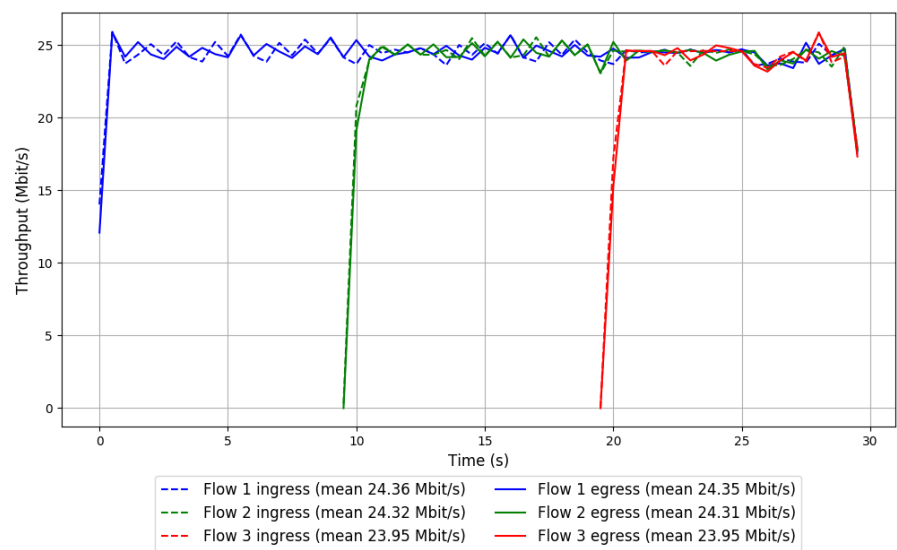


Run 7: Statistics of Sprout

Start at: 2017-12-20 07:04:40
End at: 2017-12-20 07:05:10
Local clock offset: 1.413 ms
Remote clock offset: -11.889 ms

```
# Below is generated by plot.py at 2017-12-20 11:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 40.337 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 39.882 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 40.818 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 40.356 ms
Loss rate: 0.42%
```


Run 7: Report of Sprout — Data Link

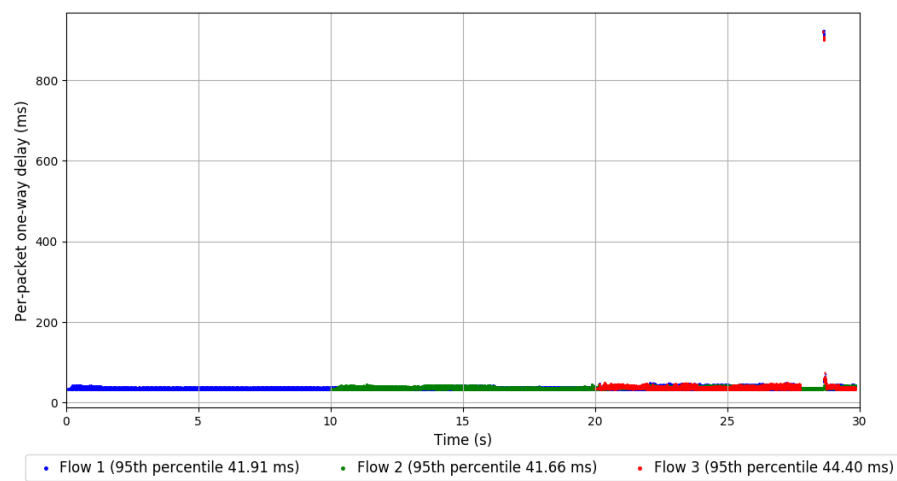
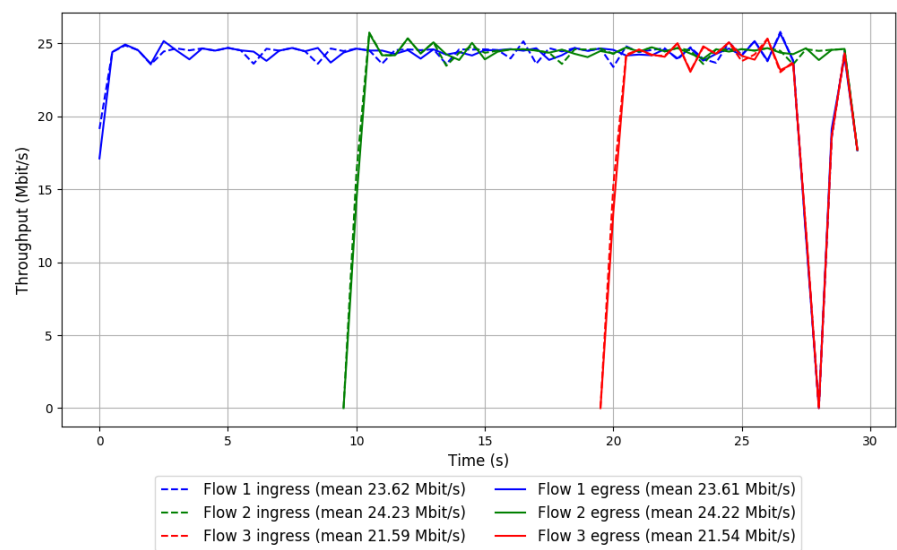


Run 8: Statistics of Sprout

Start at: 2017-12-20 07:23:31
End at: 2017-12-20 07:24:01
Local clock offset: 2.102 ms
Remote clock offset: -12.842 ms

Below is generated by plot.py at 2017-12-20 11:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 42.182 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 41.915 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 41.657 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 44.404 ms
Loss rate: 0.45%

Run 8: Report of Sprout — Data Link

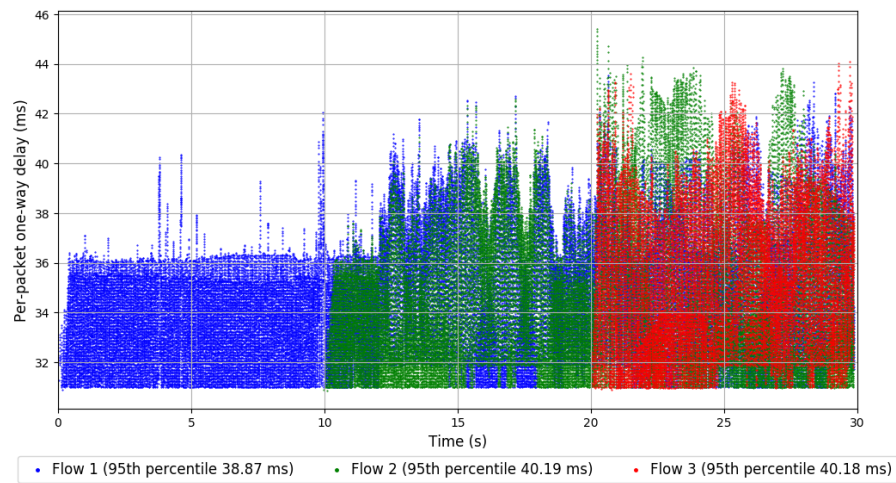
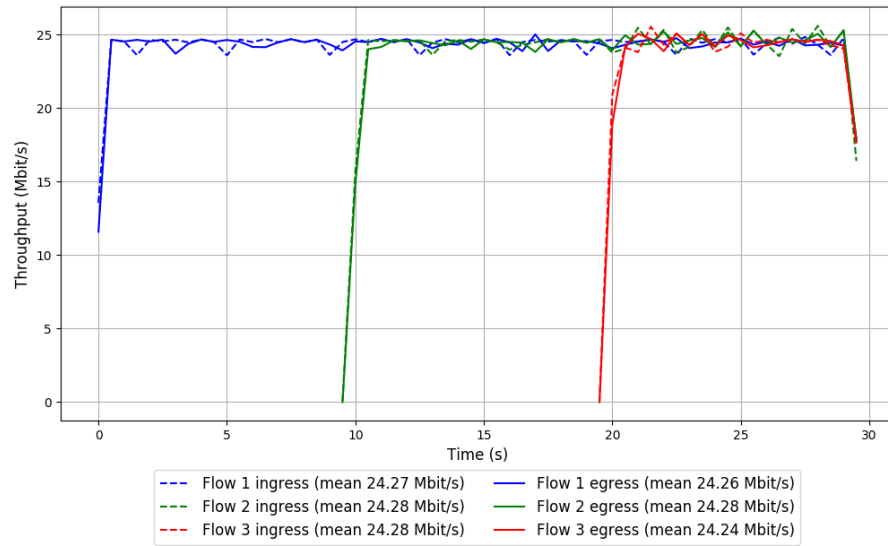


Run 9: Statistics of Sprout

Start at: 2017-12-20 07:43:00
End at: 2017-12-20 07:43:30
Local clock offset: 1.234 ms
Remote clock offset: -11.895 ms

Below is generated by plot.py at 2017-12-20 11:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 39.566 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 38.870 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 40.191 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 40.179 ms
Loss rate: 0.29%

Run 9: Report of Sprout — Data Link

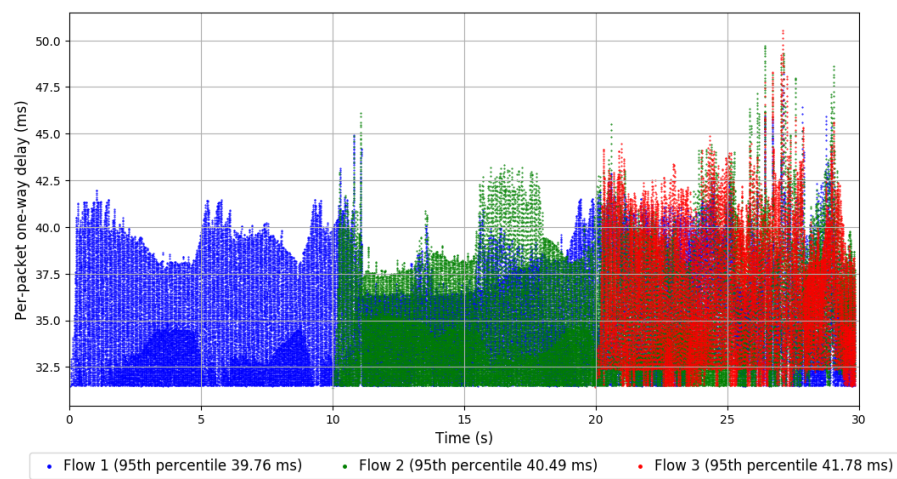
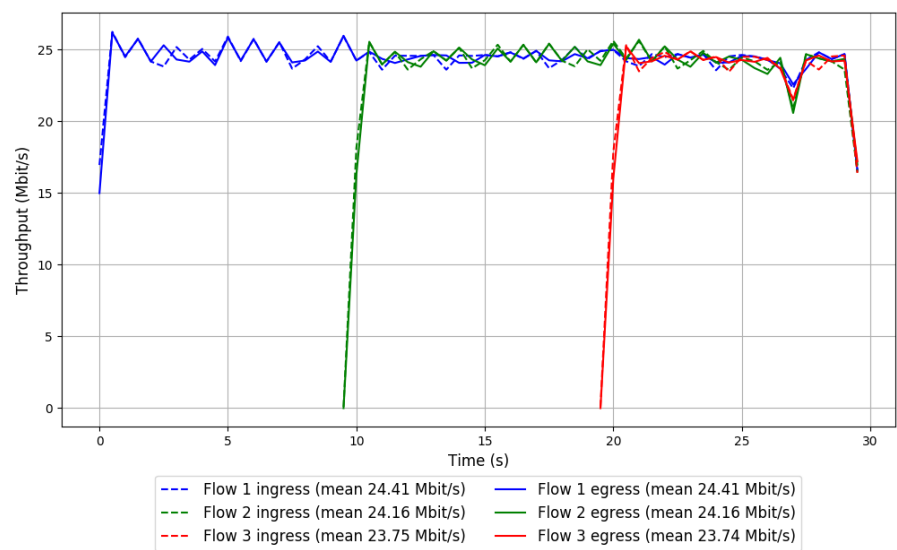


Run 10: Statistics of Sprout

Start at: 2017-12-20 08:02:49
End at: 2017-12-20 08:03:19
Local clock offset: 1.694 ms
Remote clock offset: -12.014 ms

Below is generated by plot.py at 2017-12-20 11:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 40.427 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 39.759 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 40.494 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 41.780 ms
Loss rate: 0.19%

Run 10: Report of Sprout — Data Link

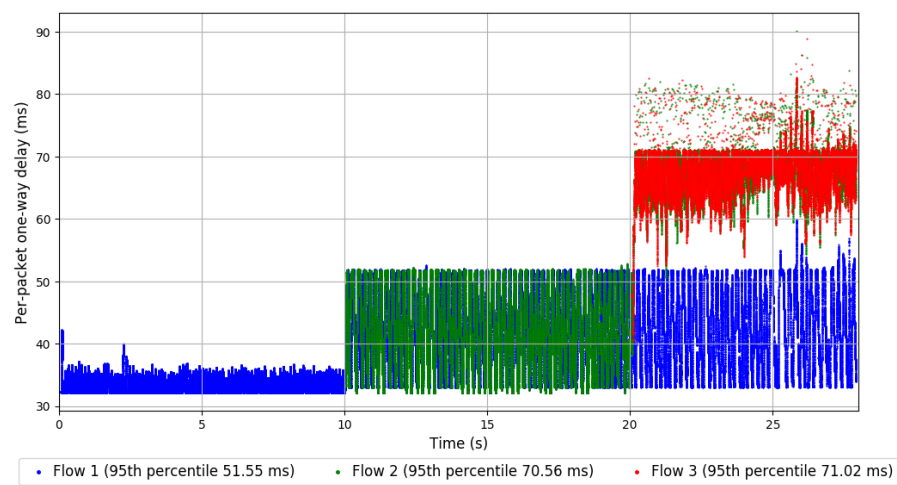
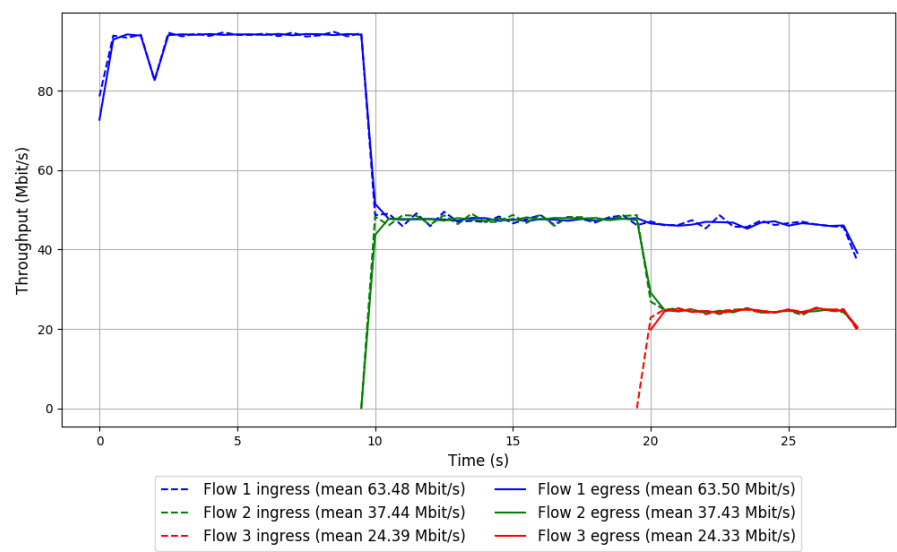


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-20 05:10:25
End at: 2017-12-20 05:10:55
Local clock offset: 3.58 ms
Remote clock offset: -10.372 ms

# Below is generated by plot.py at 2017-12-20 11:23:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 69.098 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 51.549 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 70.555 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 71.018 ms
Loss rate: 0.72%
```


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

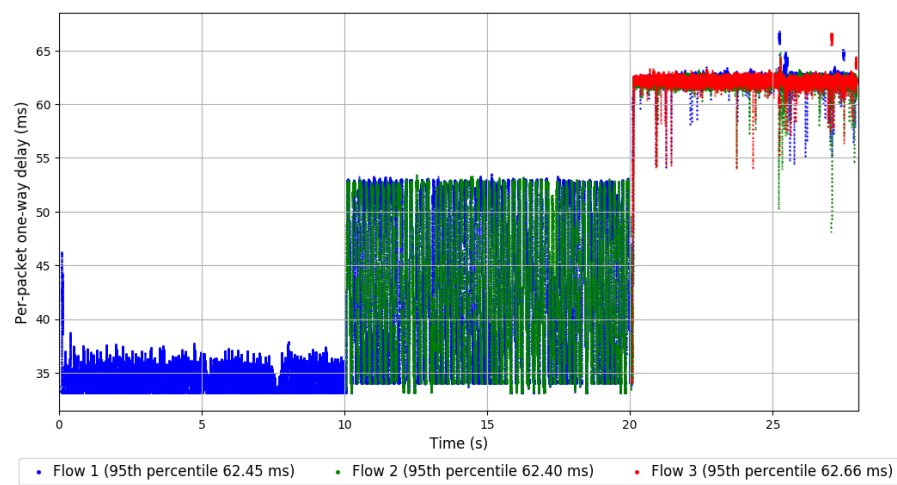
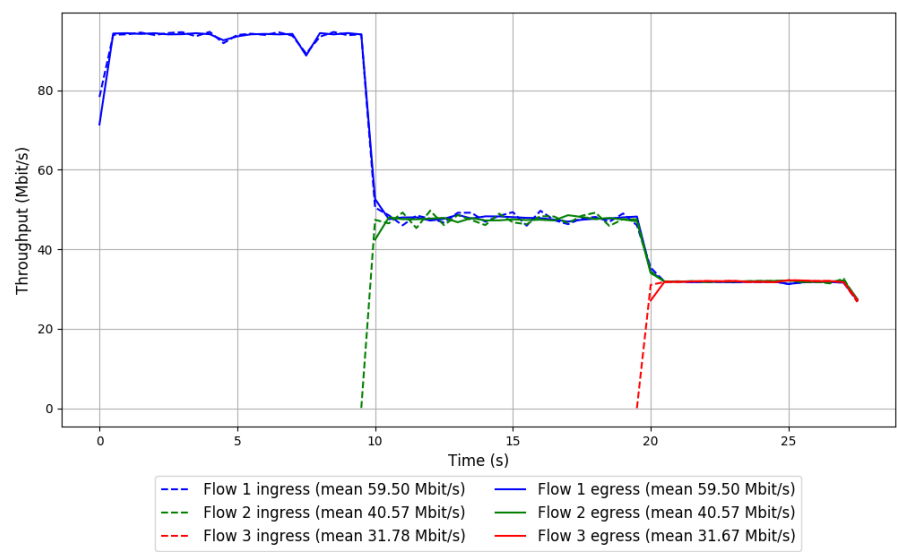


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-20 05:29:18
End at: 2017-12-20 05:29:48
Local clock offset: 3.688 ms
Remote clock offset: -10.706 ms

Below is generated by plot.py at 2017-12-20 11:23:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 62.445 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 62.399 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 62.661 ms
Loss rate: 0.69%

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

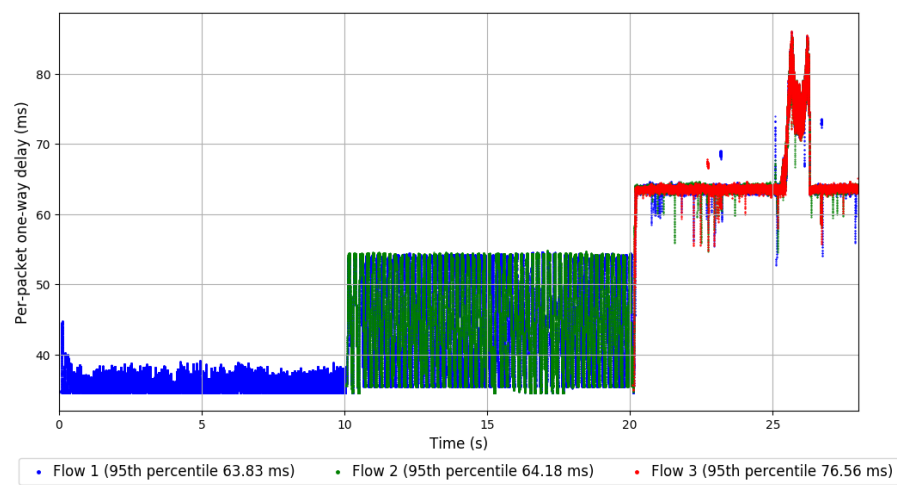
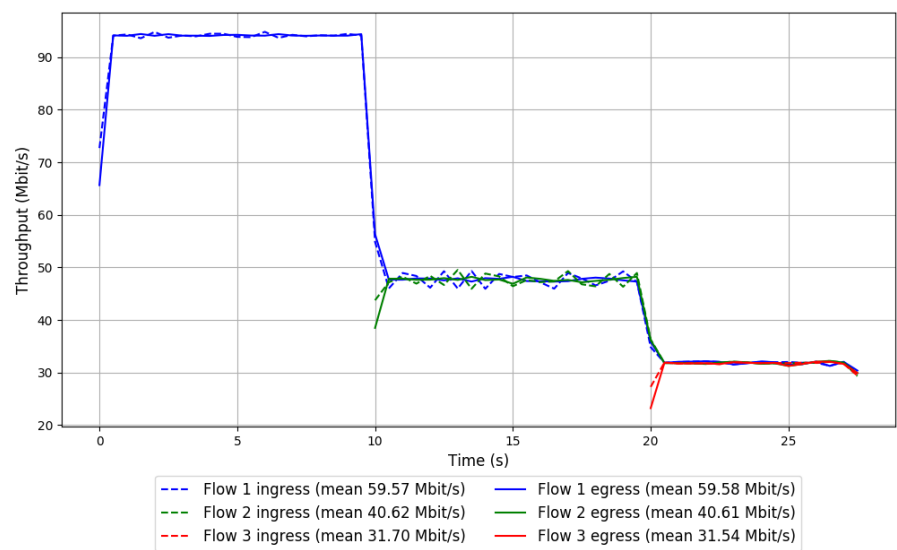


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-20 05:47:37
End at: 2017-12-20 05:48:07
Local clock offset: 3.823 ms
Remote clock offset: -11.889 ms

Below is generated by plot.py at 2017-12-20 11:23:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 64.065 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 63.828 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 76.560 ms
Loss rate: 0.81%

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

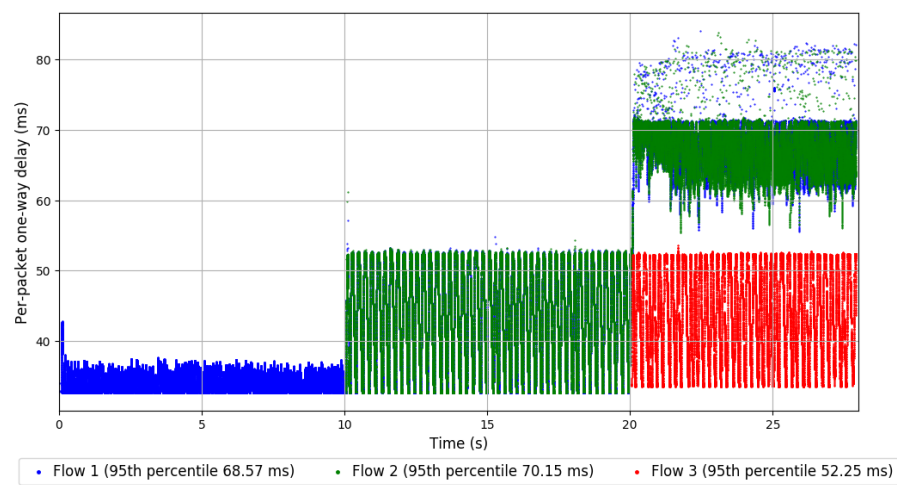
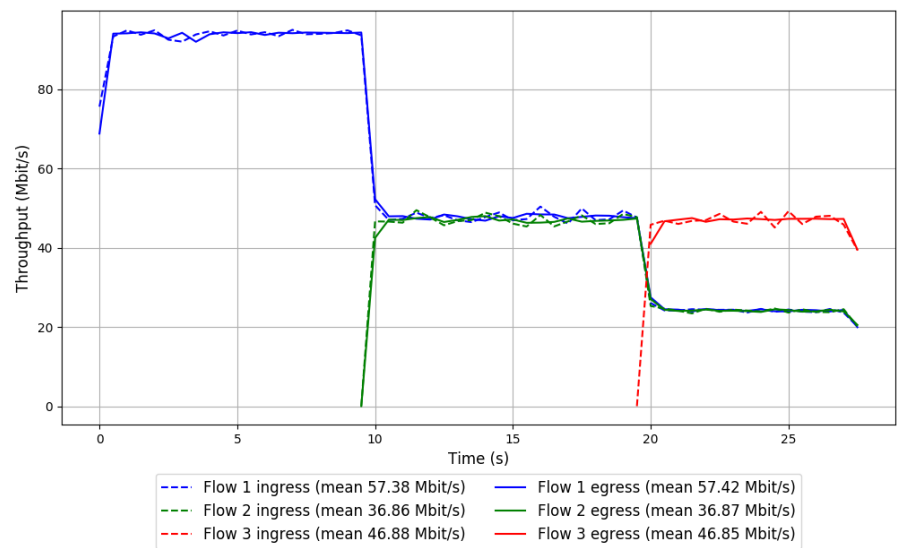


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-20 06:05:42
End at: 2017-12-20 06:06:13
Local clock offset: 2.212 ms
Remote clock offset: -11.696 ms

Below is generated by plot.py at 2017-12-20 11:23:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 68.952 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 68.572 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 70.147 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 52.246 ms
Loss rate: 0.46%

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

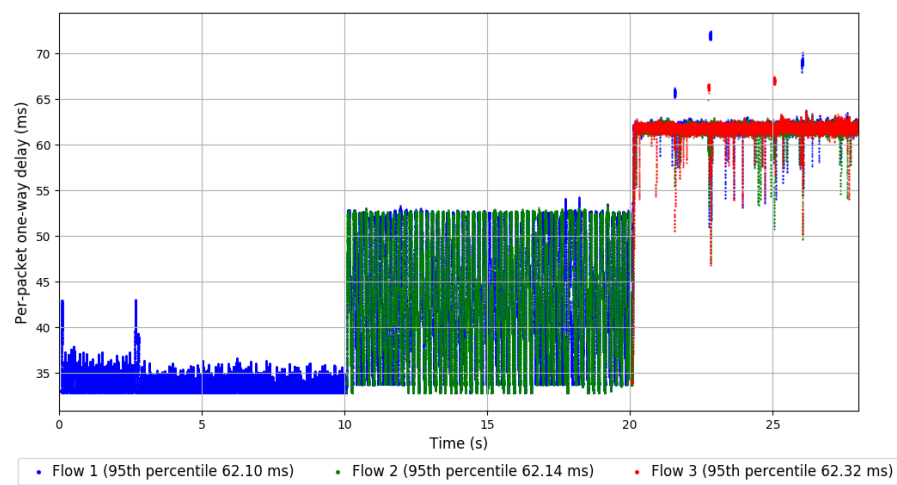
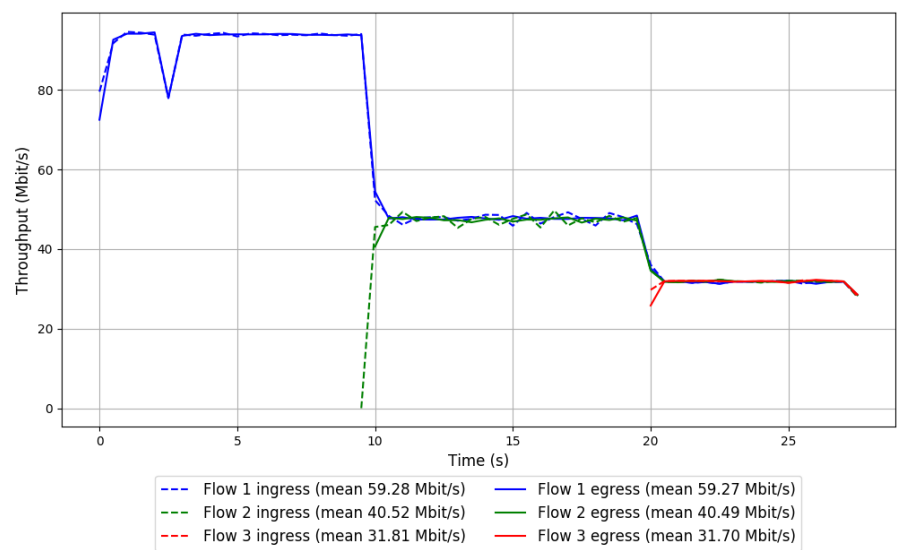


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-20 06:23:59
End at: 2017-12-20 06:24:29
Local clock offset: 2.084 ms
Remote clock offset: -12.179 ms

Below is generated by plot.py at 2017-12-20 11:24:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 62.156 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 62.102 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 62.137 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 62.323 ms
Loss rate: 0.70%

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

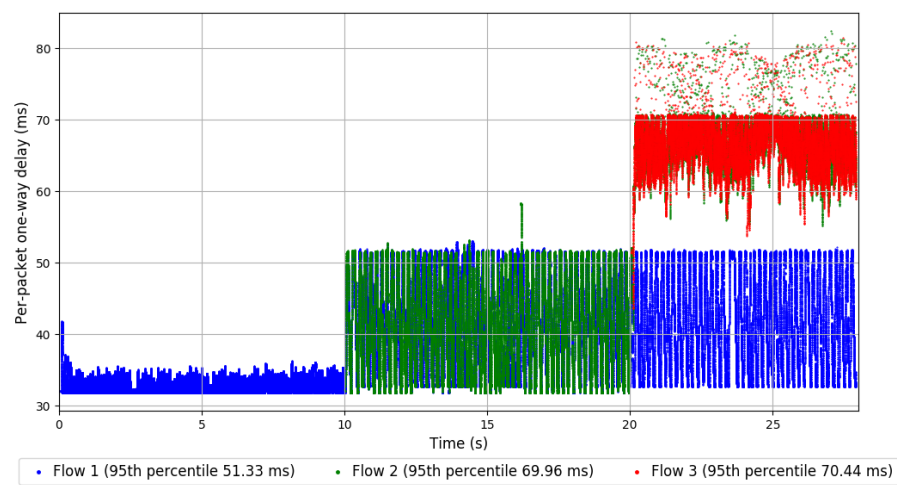
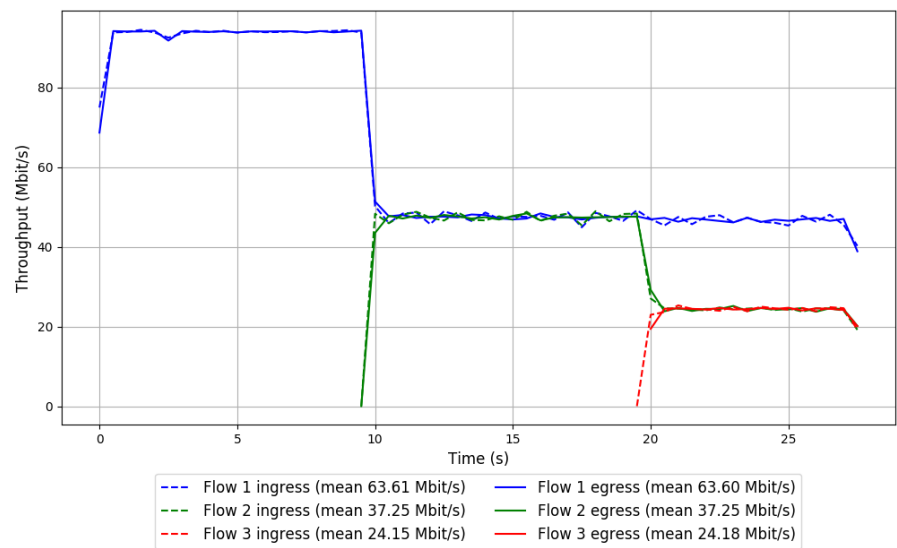


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-20 06:43:45
End at: 2017-12-20 06:44:15
Local clock offset: 1.332 ms
Remote clock offset: -11.881 ms

Below is generated by plot.py at 2017-12-20 11:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 51.334 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 69.956 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 70.440 ms
Loss rate: 0.72%

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

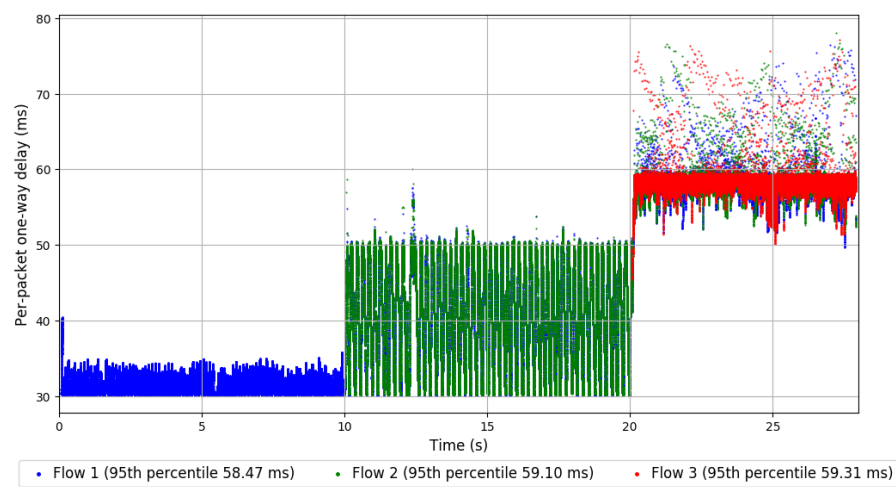
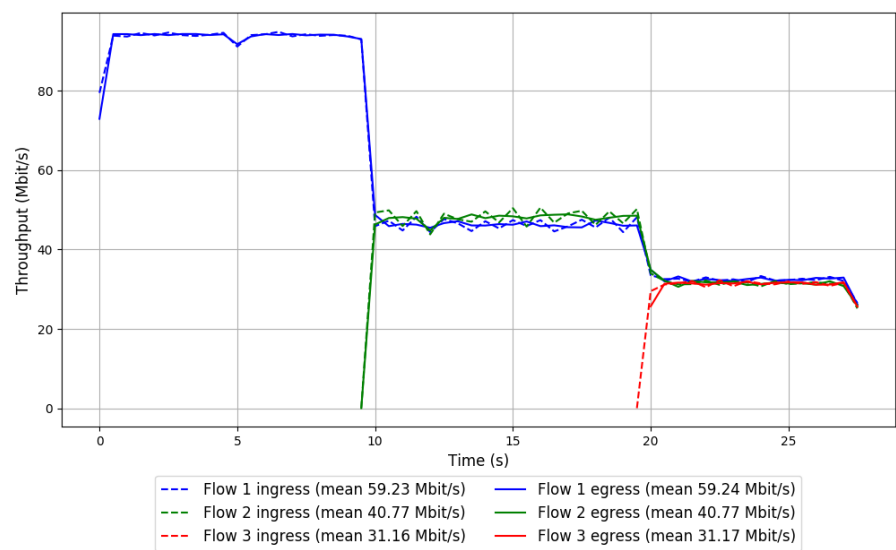


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-20 07:03:18
End at: 2017-12-20 07:03:48
Local clock offset: 0.098 ms
Remote clock offset: -11.877 ms

Below is generated by plot.py at 2017-12-20 11:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 59.021 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 58.470 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 59.102 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 59.314 ms
Loss rate: 0.68%

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

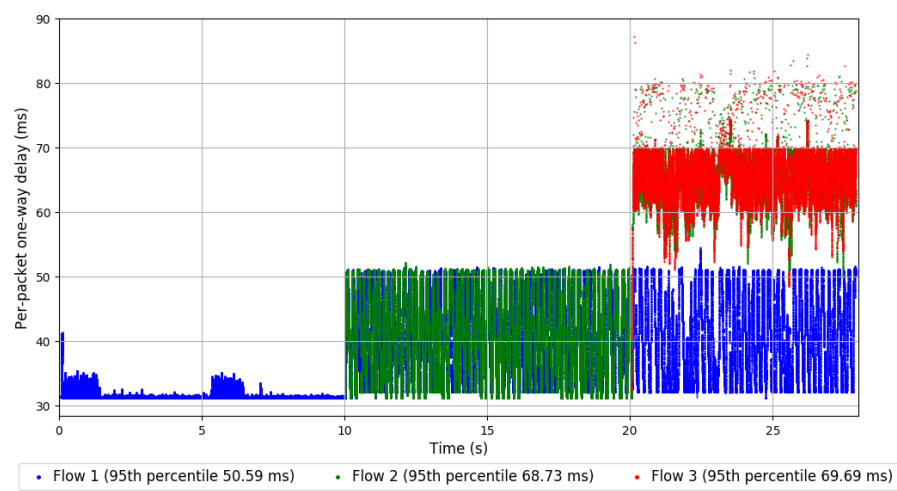
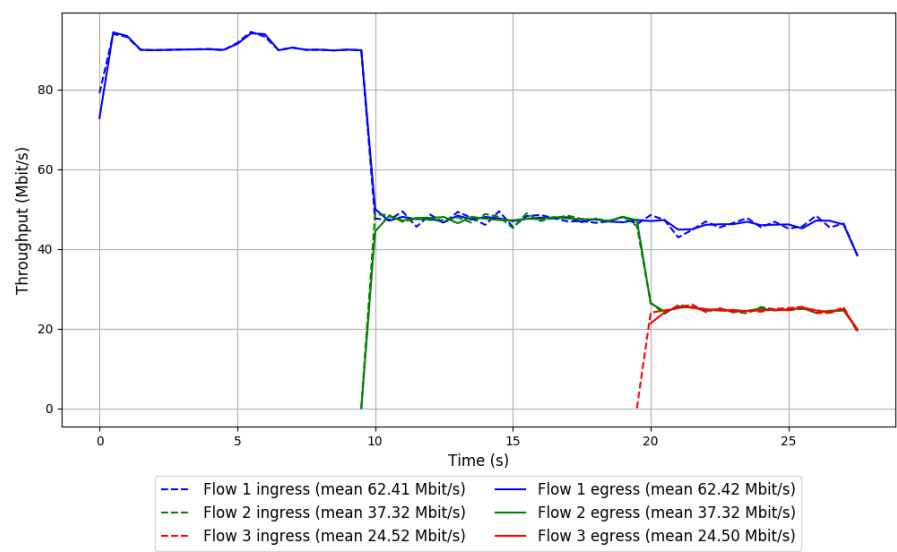


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-20 07:22:11
End at: 2017-12-20 07:22:41
Local clock offset: 0.439 ms
Remote clock offset: -12.786 ms

Below is generated by plot.py at 2017-12-20 11:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.42 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 68.734 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 69.692 ms
Loss rate: 0.71%

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

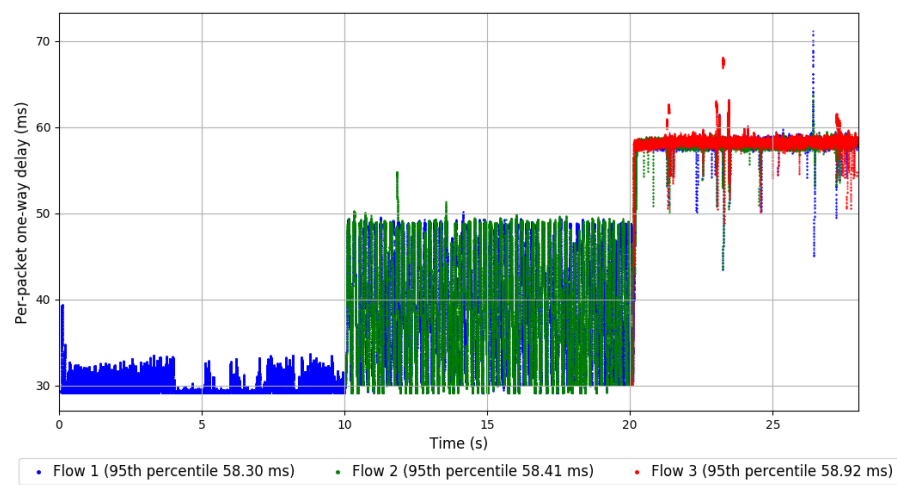
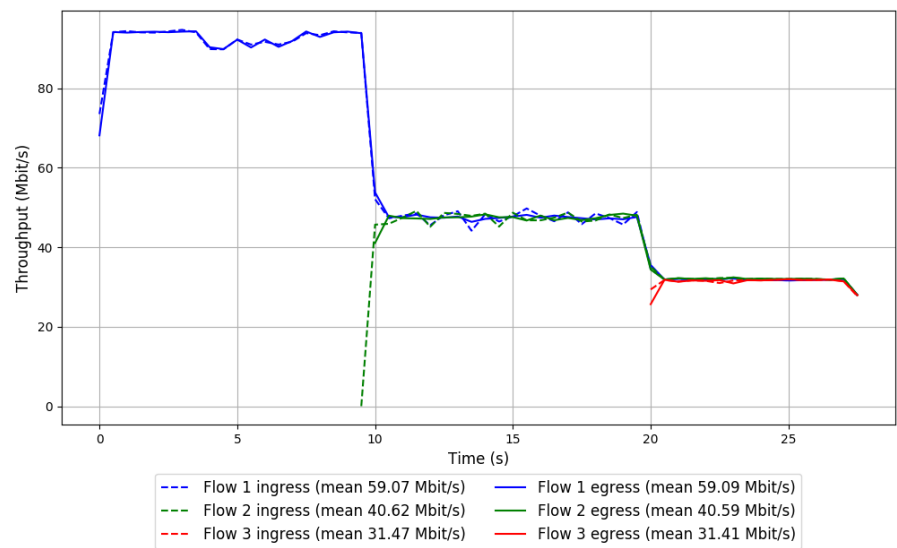


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-20 07:41:27
End at: 2017-12-20 07:41:57
Local clock offset: 0.205 ms
Remote clock offset: -11.112 ms

Below is generated by plot.py at 2017-12-20 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 58.480 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 58.296 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 58.410 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 58.925 ms
Loss rate: 0.70%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-20 08:01:26

End at: 2017-12-20 08:01:56

Local clock offset: 1.709 ms

Remote clock offset: -11.668 ms

Below is generated by plot.py at 2017-12-20 11:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 60.399 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 60.237 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 60.408 ms

Loss rate: 0.24%

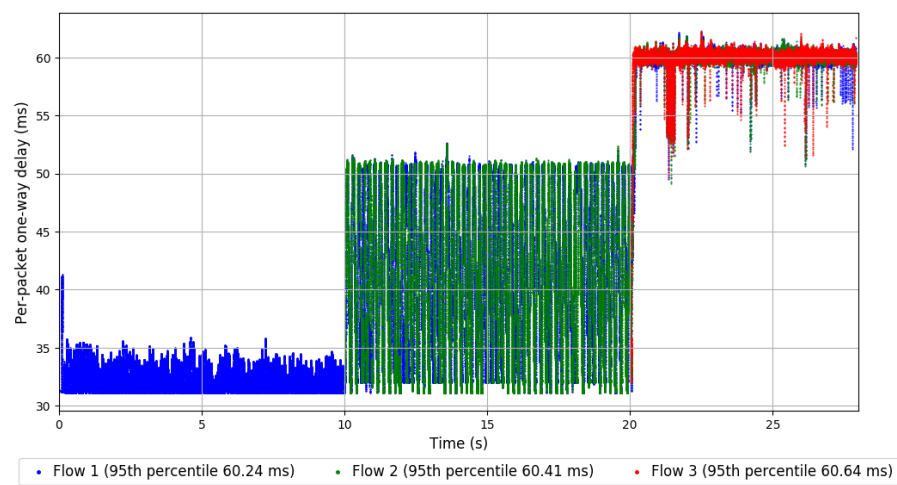
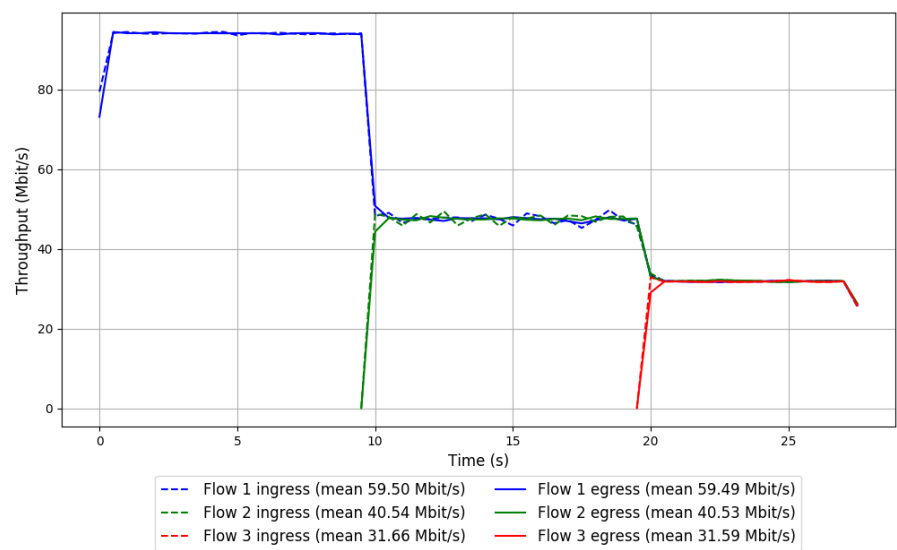
-- Flow 3:

Average throughput: 31.59 Mbit/s

95th percentile per-packet one-way delay: 60.642 ms

Loss rate: 0.70%

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

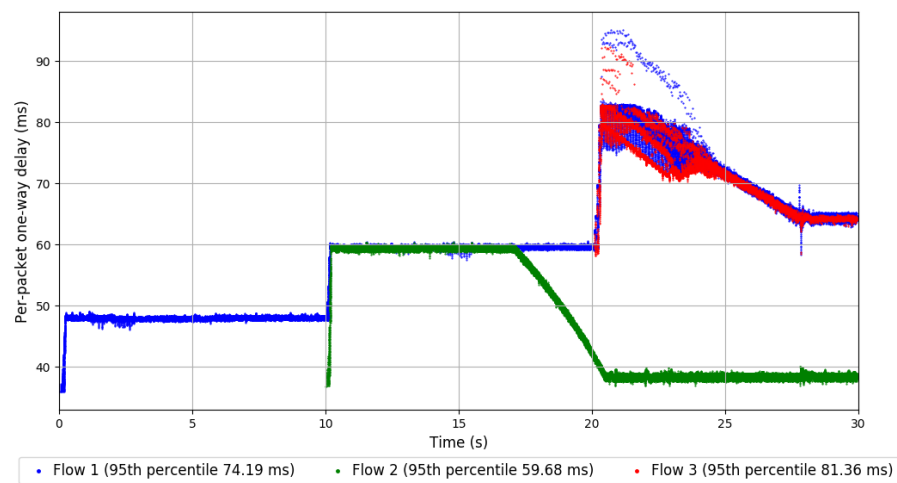
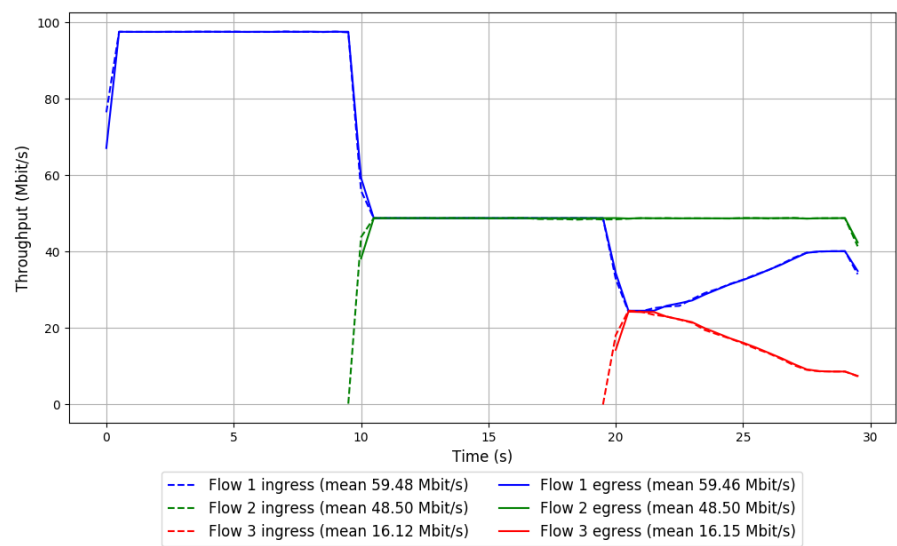


Run 1: Statistics of TCP Vegas

Start at: 2017-12-20 04:58:16
End at: 2017-12-20 04:58:46
Local clock offset: 4.286 ms
Remote clock offset: -13.907 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 74.190 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 59.684 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 81.363 ms
Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link

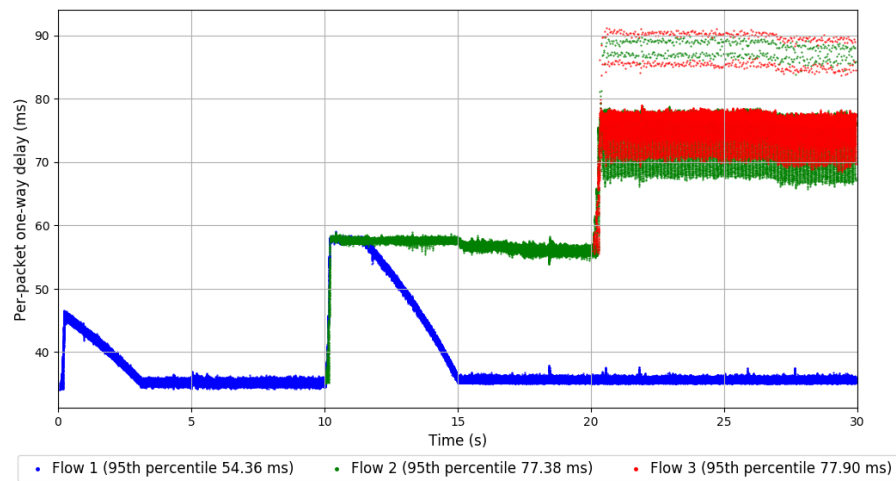
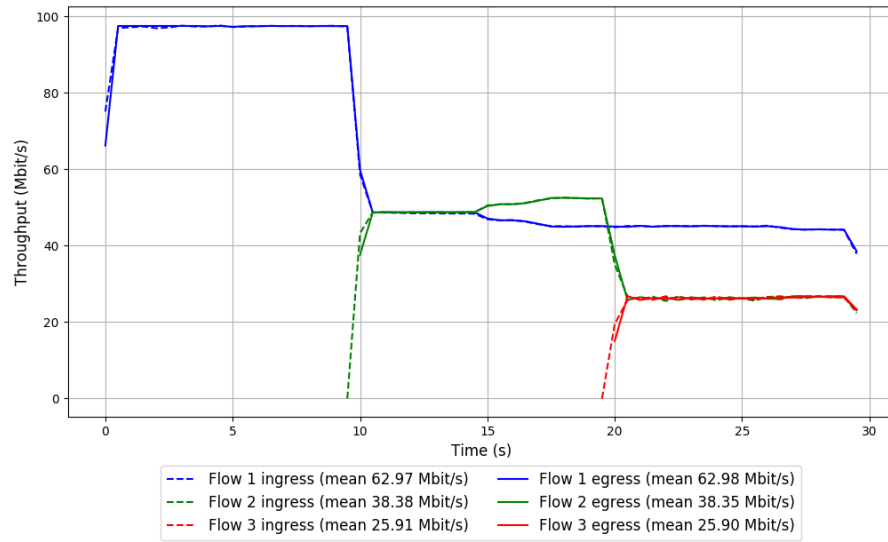


Run 2: Statistics of TCP Vegas

Start at: 2017-12-20 05:17:03
End at: 2017-12-20 05:17:33
Local clock offset: 4.643 ms
Remote clock offset: -11.087 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 77.035 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 54.360 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 77.380 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 77.899 ms
Loss rate: 0.68%

Run 2: Report of TCP Vegas — Data Link

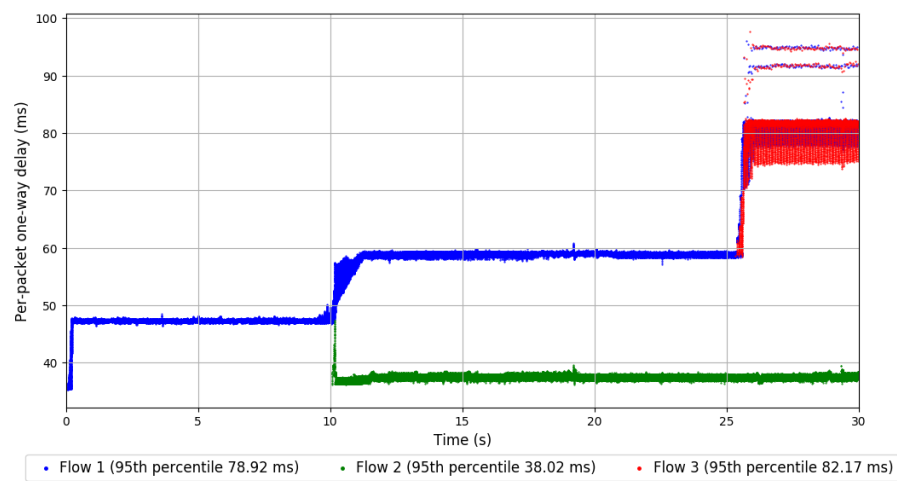
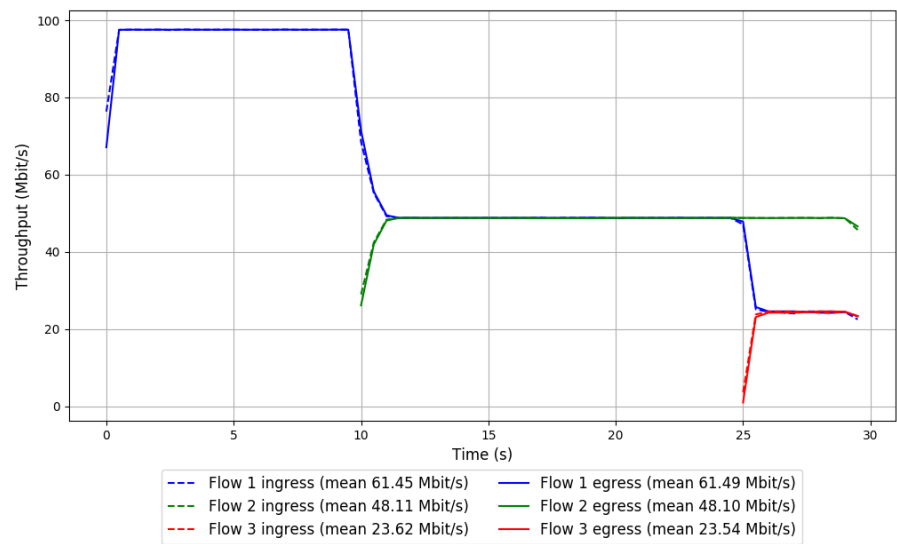


Run 3: Statistics of TCP Vegas

Start at: 2017-12-20 05:35:38
End at: 2017-12-20 05:36:08
Local clock offset: 5.544 ms
Remote clock offset: -10.885 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 80.875 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 78.919 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 38.020 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 82.173 ms
Loss rate: 1.62%

Run 3: Report of TCP Vegas — Data Link

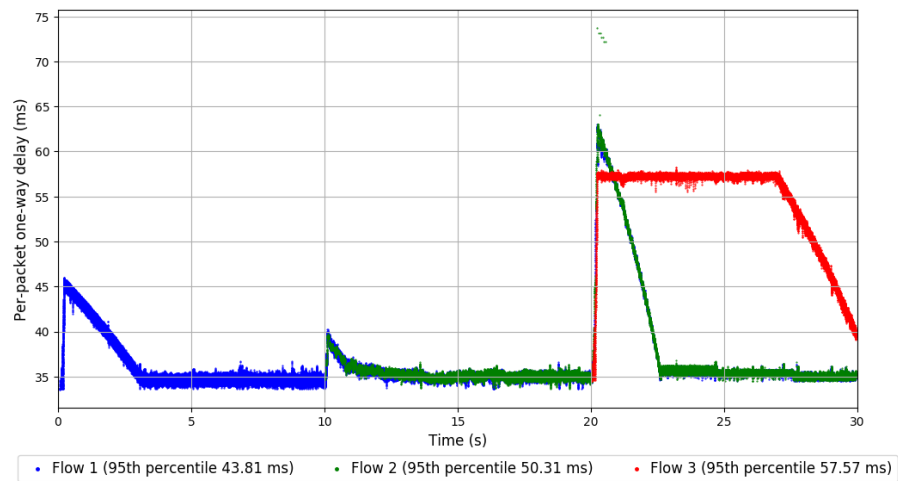
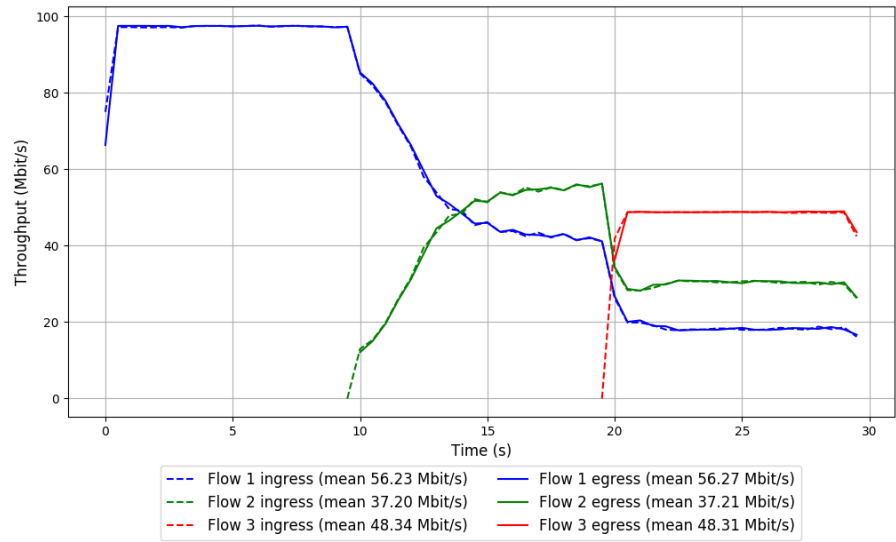


Run 4: Statistics of TCP Vegas

Start at: 2017-12-20 05:53:45
End at: 2017-12-20 05:54:15
Local clock offset: 5.104 ms
Remote clock offset: -9.569 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 57.412 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 43.811 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 50.315 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 57.569 ms
Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link

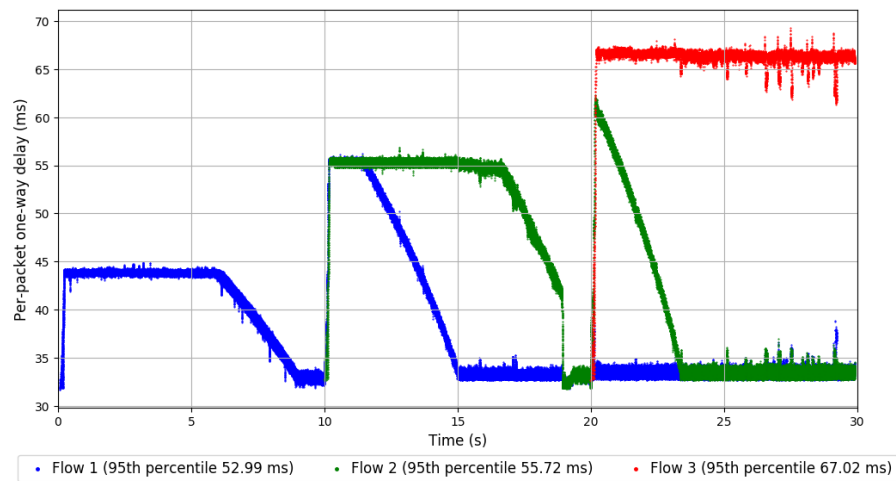
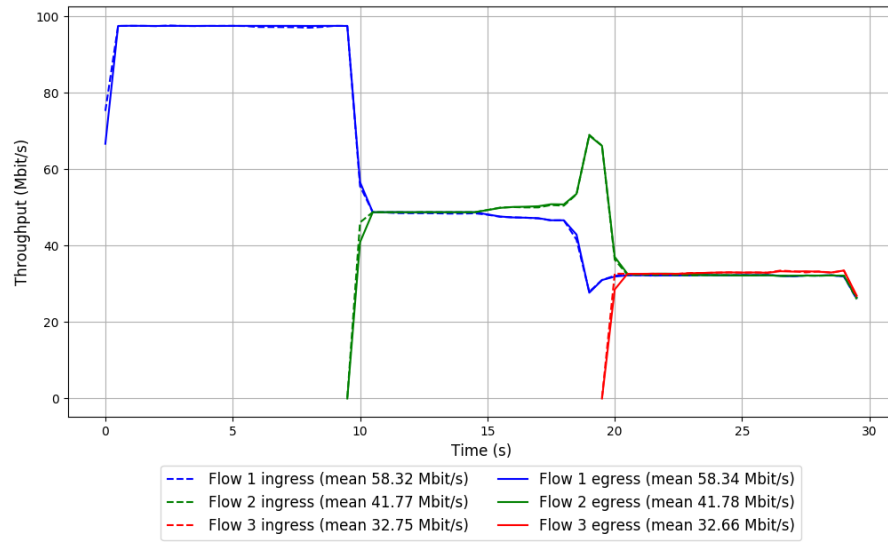


Run 5: Statistics of TCP Vegas

Start at: 2017-12-20 06:11:54
End at: 2017-12-20 06:12:24
Local clock offset: 2.831 ms
Remote clock offset: -10.259 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 66.532 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 52.991 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 55.717 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.62%

Run 5: Report of TCP Vegas — Data Link

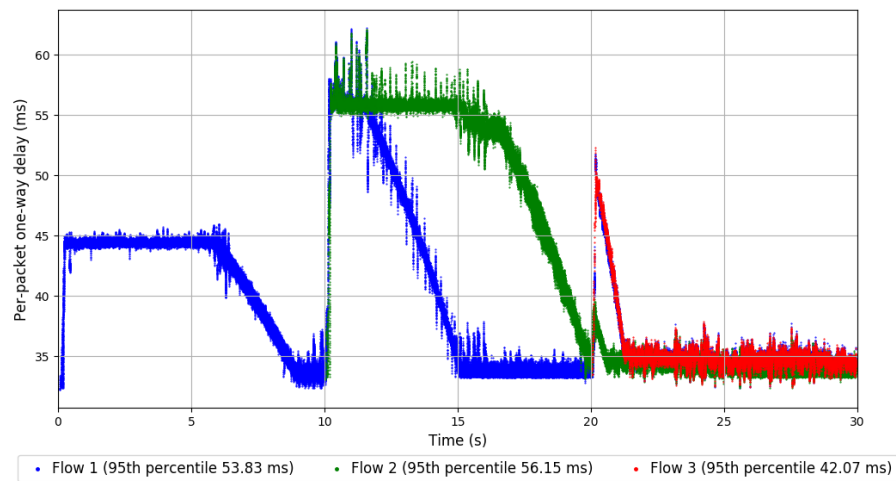
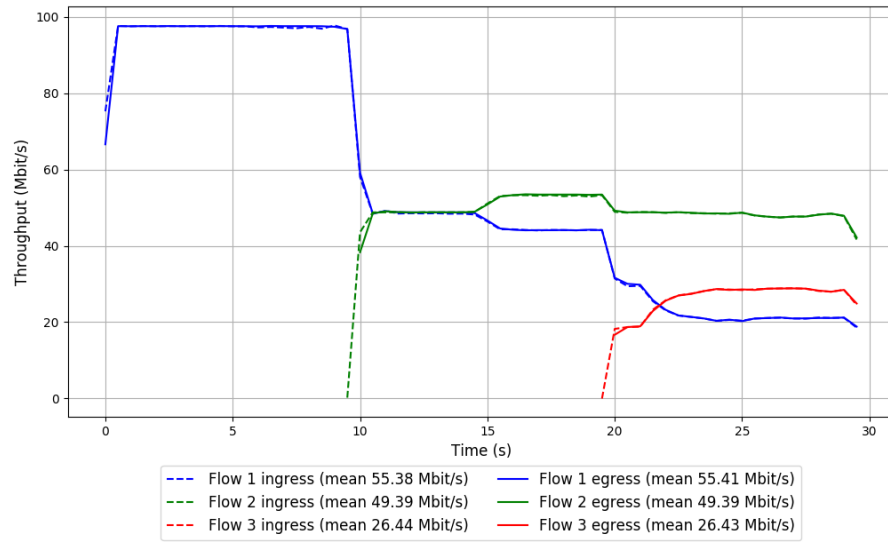


Run 6: Statistics of TCP Vegas

Start at: 2017-12-20 06:30:55
End at: 2017-12-20 06:31:25
Local clock offset: 2.177 ms
Remote clock offset: -11.396 ms

Below is generated by plot.py at 2017-12-20 11:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 55.936 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 56.149 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 42.069 ms
Loss rate: 0.30%

Run 6: Report of TCP Vegas — Data Link

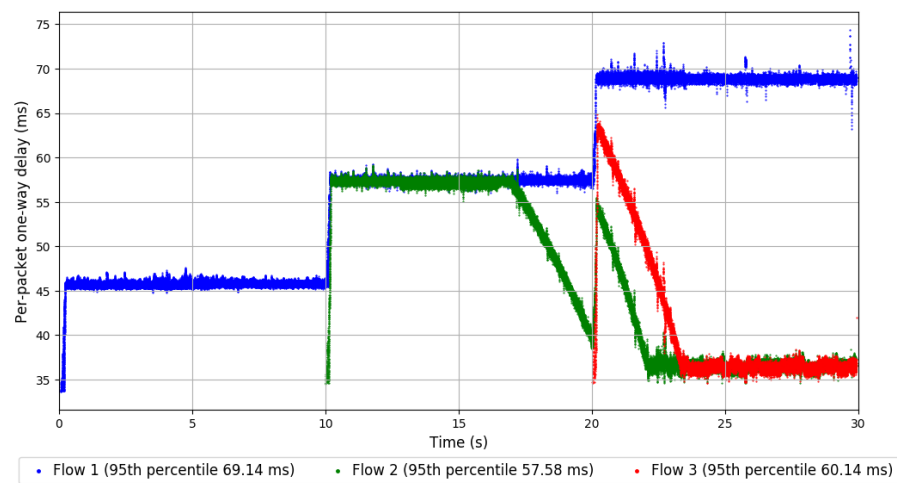
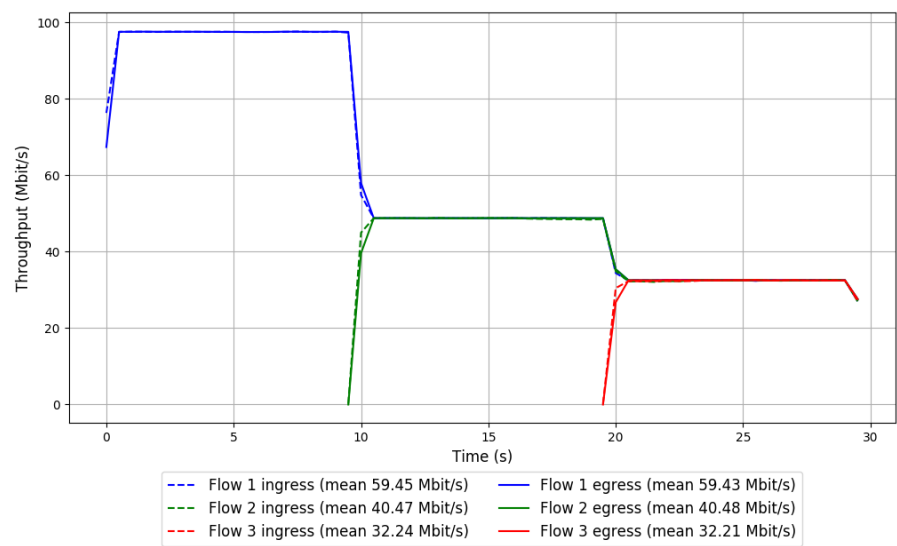


Run 7: Statistics of TCP Vegas

Start at: 2017-12-20 06:50:18
End at: 2017-12-20 06:50:48
Local clock offset: 2.047 ms
Remote clock offset: -13.145 ms

Below is generated by plot.py at 2017-12-20 11:26:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 69.000 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 69.135 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 57.578 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 60.144 ms
Loss rate: 0.30%

Run 7: Report of TCP Vegas — Data Link

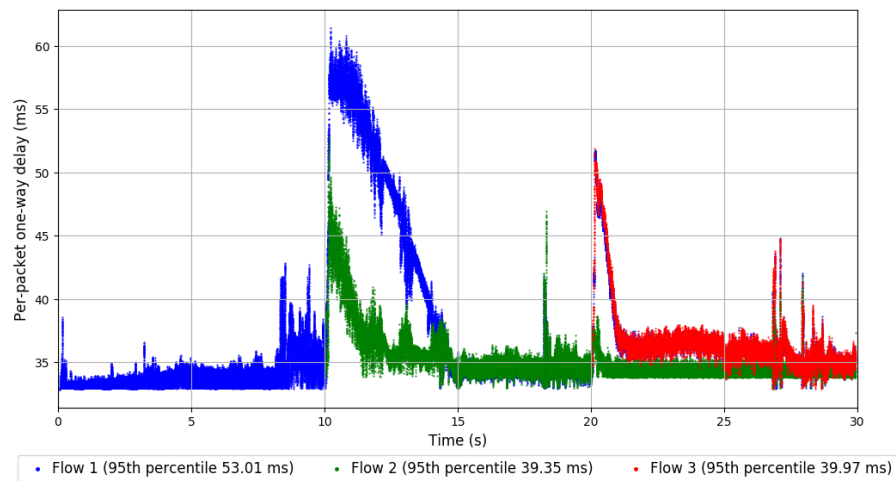
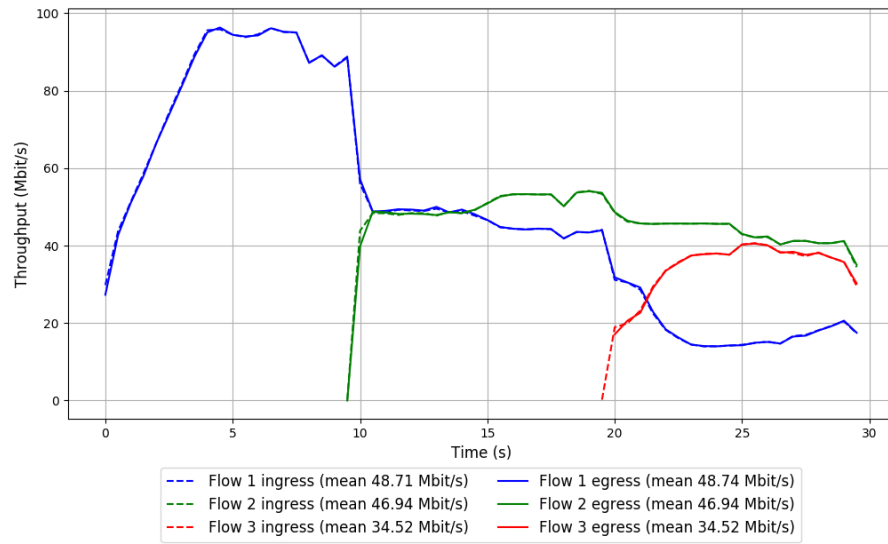


Run 8: Statistics of TCP Vegas

Start at: 2017-12-20 07:09:44
End at: 2017-12-20 07:10:14
Local clock offset: 1.47 ms
Remote clock offset: -13.35 ms

Below is generated by plot.py at 2017-12-20 11:26:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 47.555 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 53.006 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 39.353 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 39.974 ms
Loss rate: 0.28%

Run 8: Report of TCP Vegas — Data Link

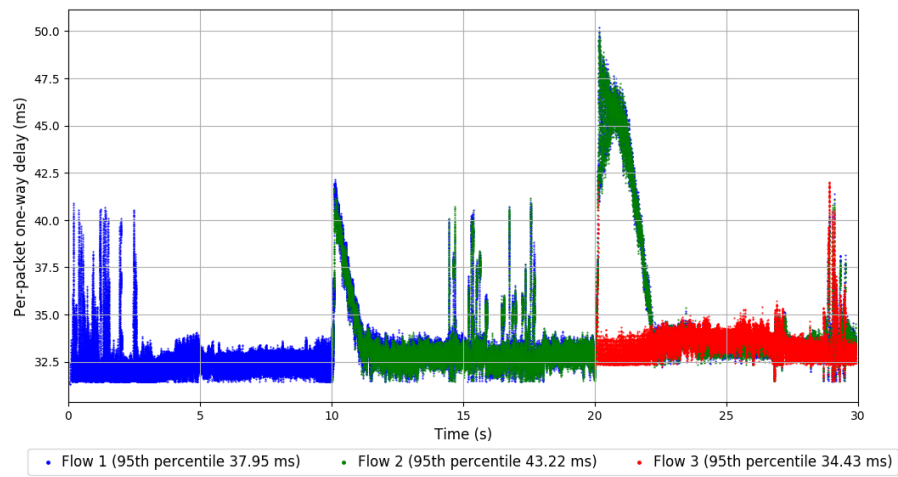
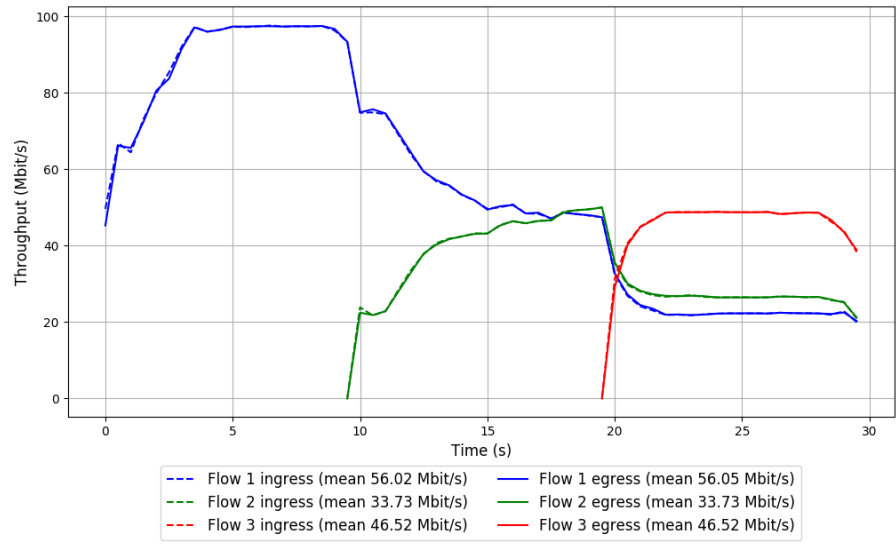


Run 9: Statistics of TCP Vegas

Start at: 2017-12-20 07:28:28
End at: 2017-12-20 07:28:58
Local clock offset: 0.693 ms
Remote clock offset: -12.83 ms

Below is generated by plot.py at 2017-12-20 11:26:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 38.446 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 37.945 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 43.219 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 34.431 ms
Loss rate: 0.28%

Run 9: Report of TCP Vegas — Data Link

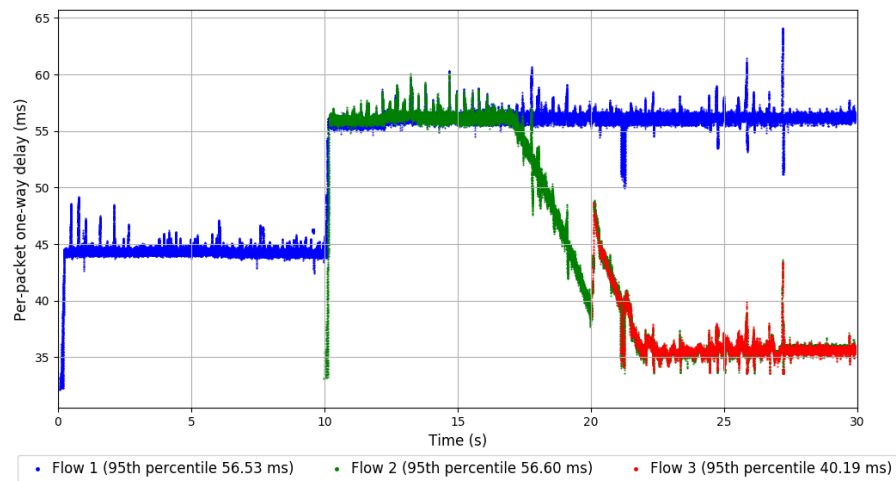
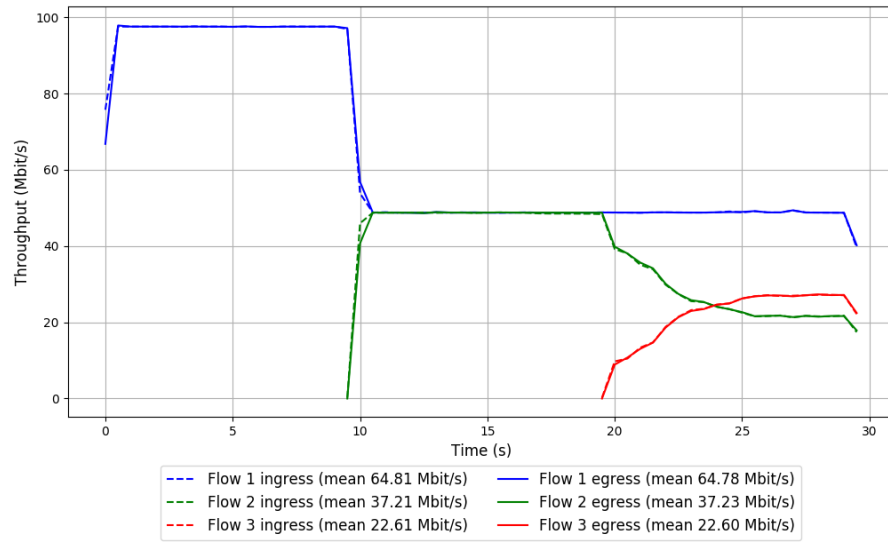


Run 10: Statistics of TCP Vegas

Start at: 2017-12-20 07:48:54
End at: 2017-12-20 07:49:24
Local clock offset: 1.697 ms
Remote clock offset: -13.169 ms

Below is generated by plot.py at 2017-12-20 11:27:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 56.533 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 56.599 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 40.194 ms
Loss rate: 0.36%

Run 10: Report of TCP Vegas — Data Link

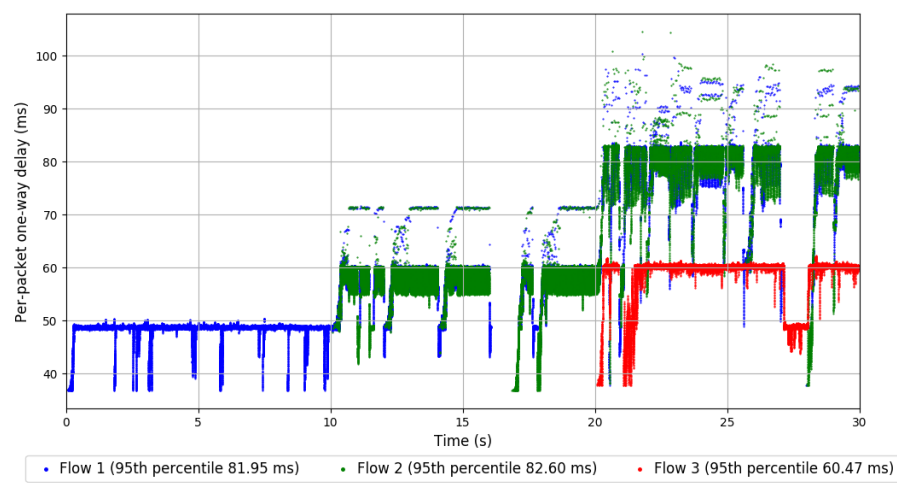
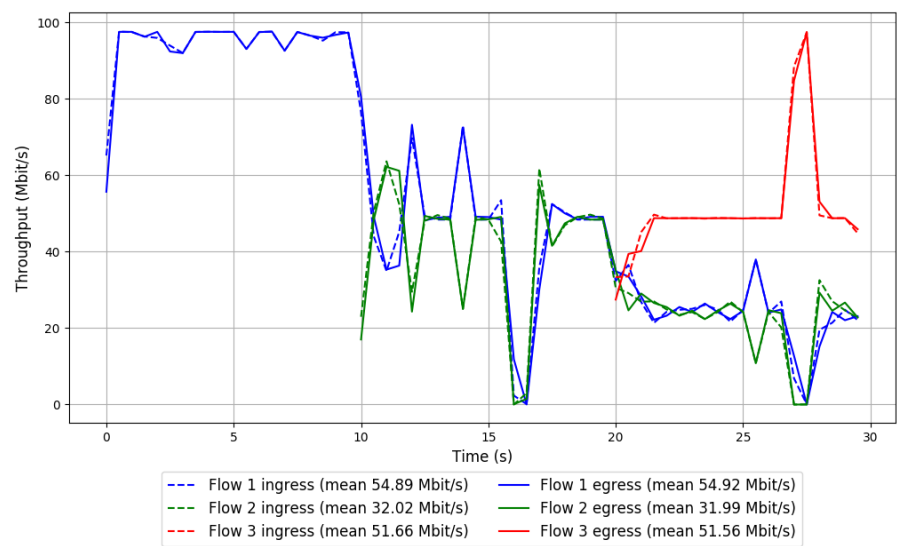


Run 1: Statistics of Verus

Start at: 2017-12-20 04:56:57
End at: 2017-12-20 04:57:27
Local clock offset: 4.68 ms
Remote clock offset: -14.47 ms

Below is generated by plot.py at 2017-12-20 11:27:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 82.143 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 81.954 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 82.597 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 60.465 ms
Loss rate: 0.47%

Run 1: Report of Verus — Data Link

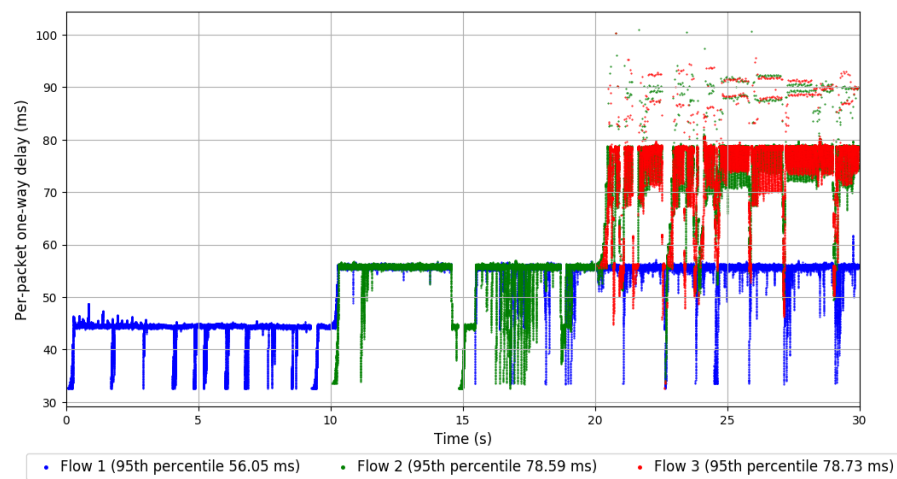
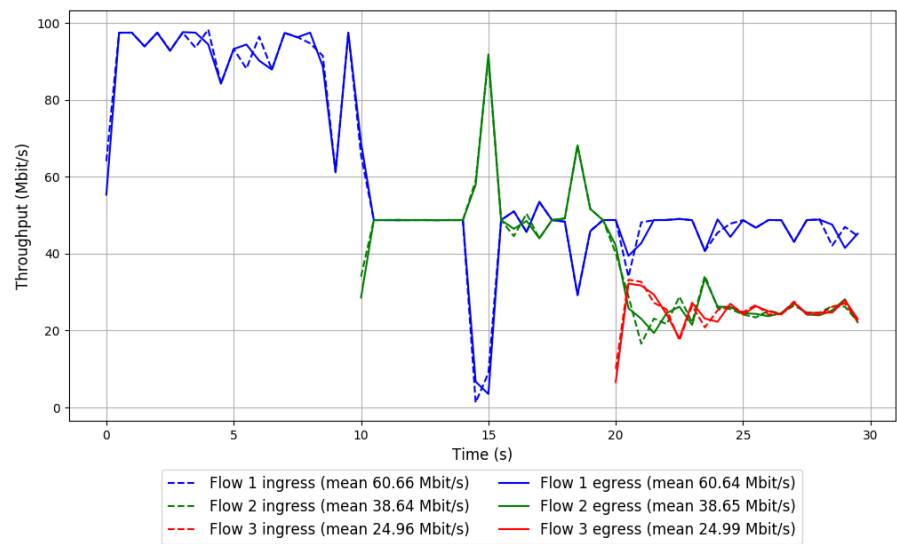


Run 2: Statistics of Verus

Start at: 2017-12-20 05:15:43
End at: 2017-12-20 05:16:13
Local clock offset: 3.427 ms
Remote clock offset: -10.757 ms

Below is generated by plot.py at 2017-12-20 11:27:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 78.345 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 78.590 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 78.733 ms
Loss rate: 0.68%

Run 2: Report of Verus — Data Link

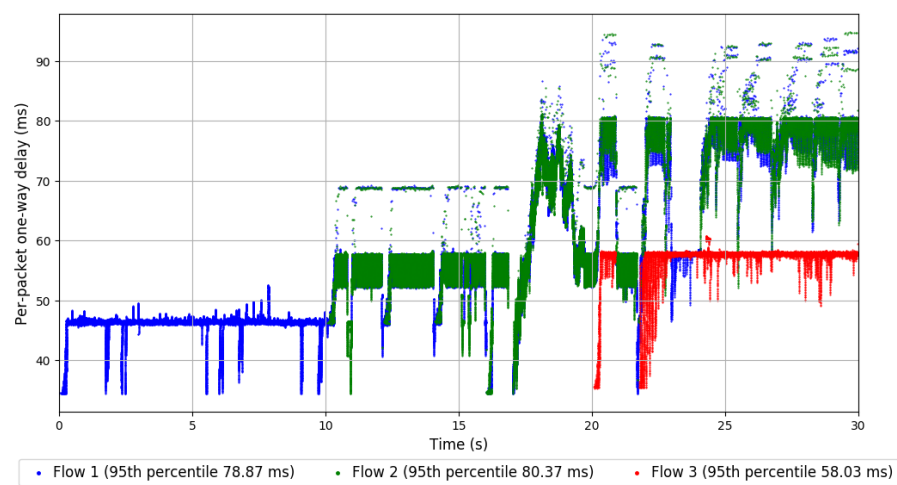
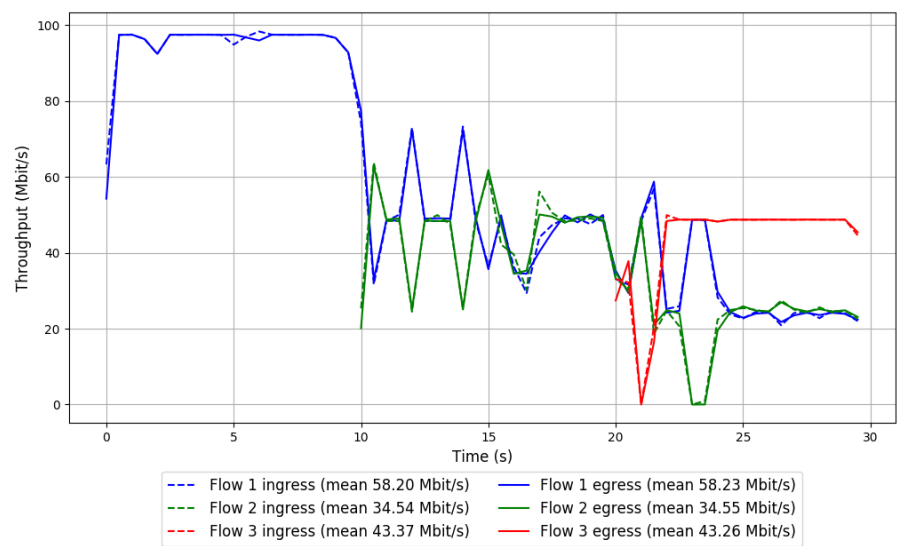


Run 3: Statistics of Verus

Start at: 2017-12-20 05:34:10
End at: 2017-12-20 05:34:40
Local clock offset: 4.571 ms
Remote clock offset: -10.917 ms

Below is generated by plot.py at 2017-12-20 11:27:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 79.696 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 78.869 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 80.369 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 58.029 ms
Loss rate: 0.56%

Run 3: Report of Verus — Data Link

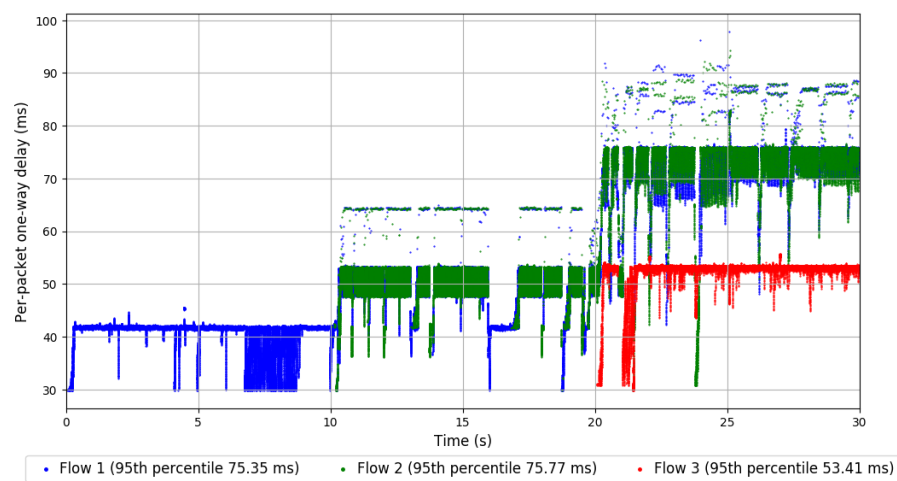
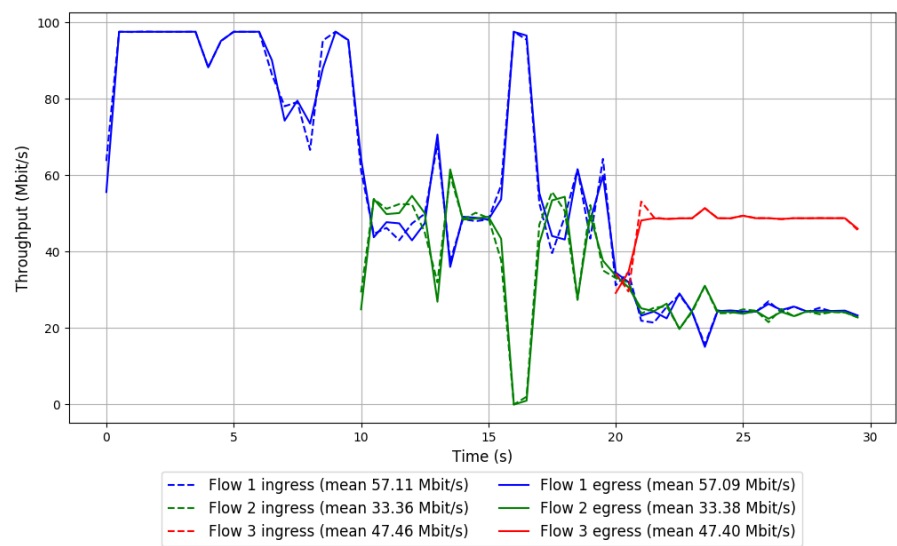


Run 4: Statistics of Verus

Start at: 2017-12-20 05:52:29
End at: 2017-12-20 05:52:59
Local clock offset: 0.134 ms
Remote clock offset: -10.742 ms

Below is generated by plot.py at 2017-12-20 11:27:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 75.537 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 75.354 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 75.765 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 53.412 ms
Loss rate: 0.52%

Run 4: Report of Verus — Data Link

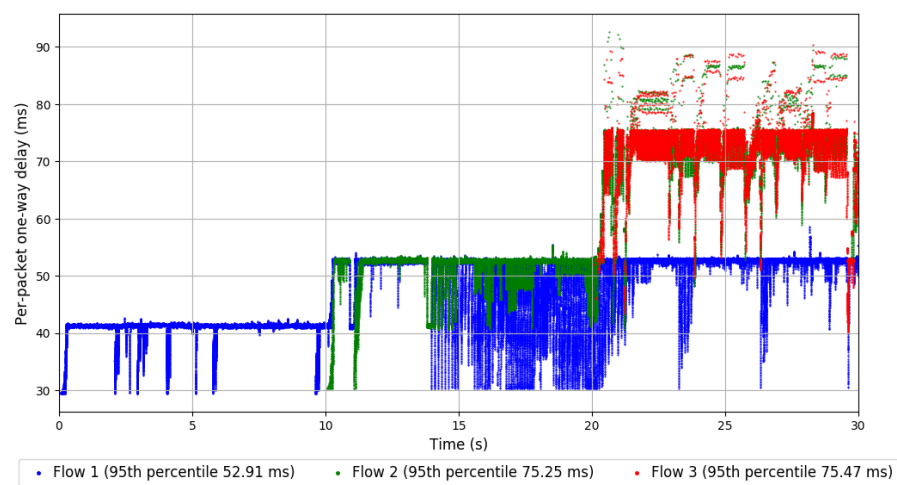
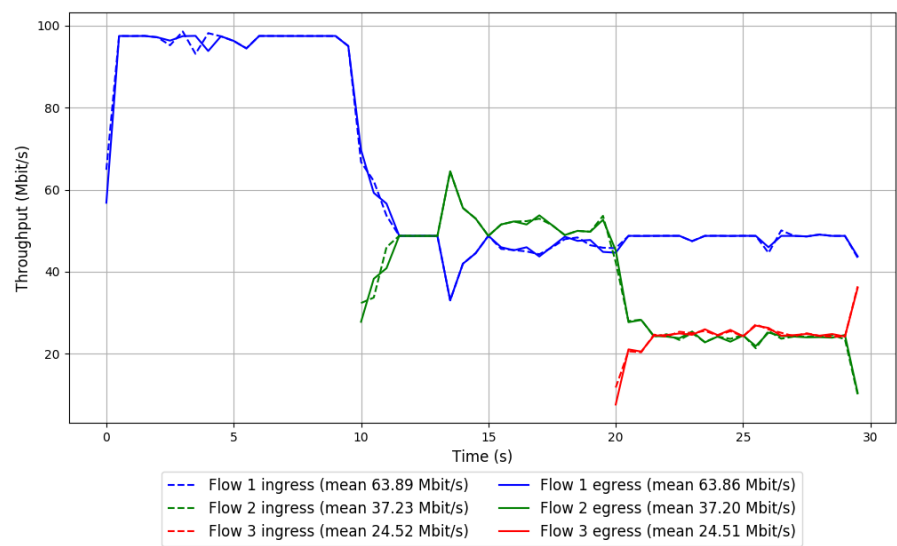


Run 5: Statistics of Verus

Start at: 2017-12-20 06:10:38
End at: 2017-12-20 06:11:08
Local clock offset: 0.839 ms
Remote clock offset: -9.821 ms

Below is generated by plot.py at 2017-12-20 11:27:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 74.840 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.86 Mbit/s
95th percentile per-packet one-way delay: 52.911 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 75.246 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 75.474 ms
Loss rate: 0.72%

Run 5: Report of Verus — Data Link

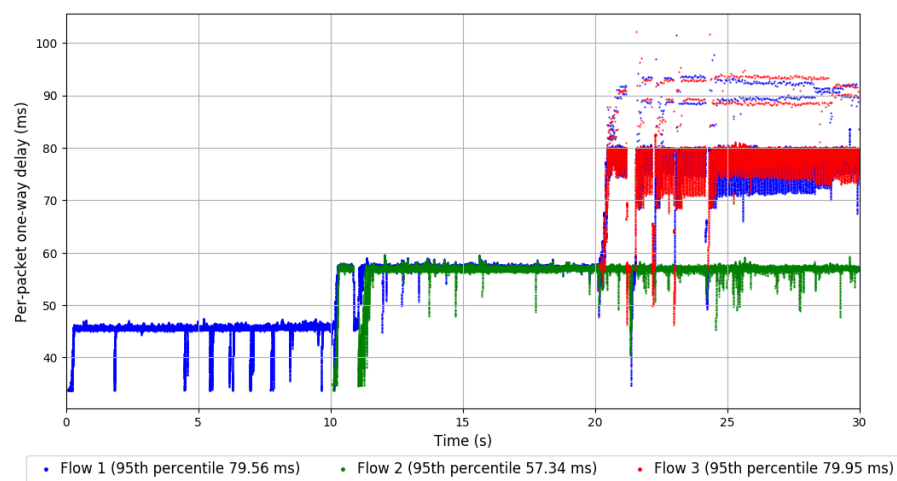
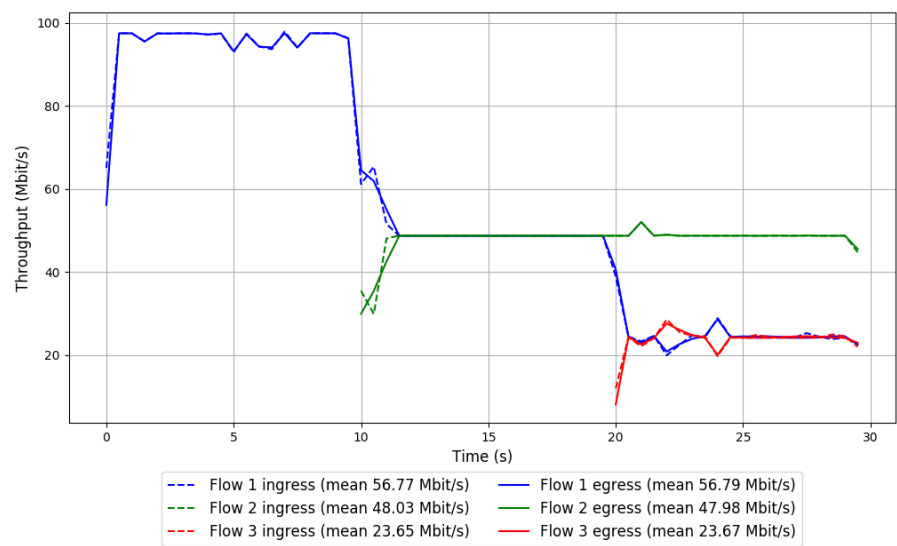


Run 6: Statistics of Verus

Start at: 2017-12-20 06:29:14
End at: 2017-12-20 06:29:44
Local clock offset: 3.908 ms
Remote clock offset: -11.061 ms

Below is generated by plot.py at 2017-12-20 11:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 79.641 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 79.560 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 57.345 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 79.955 ms
Loss rate: 0.73%

Run 6: Report of Verus — Data Link

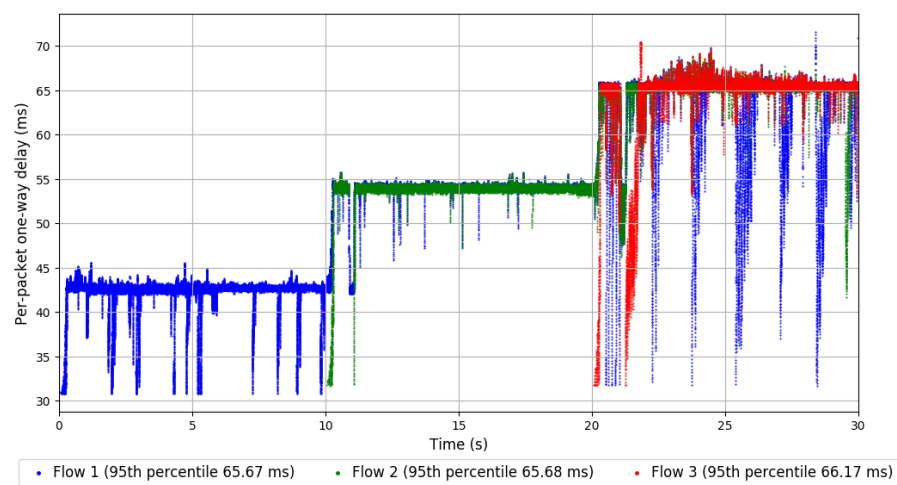
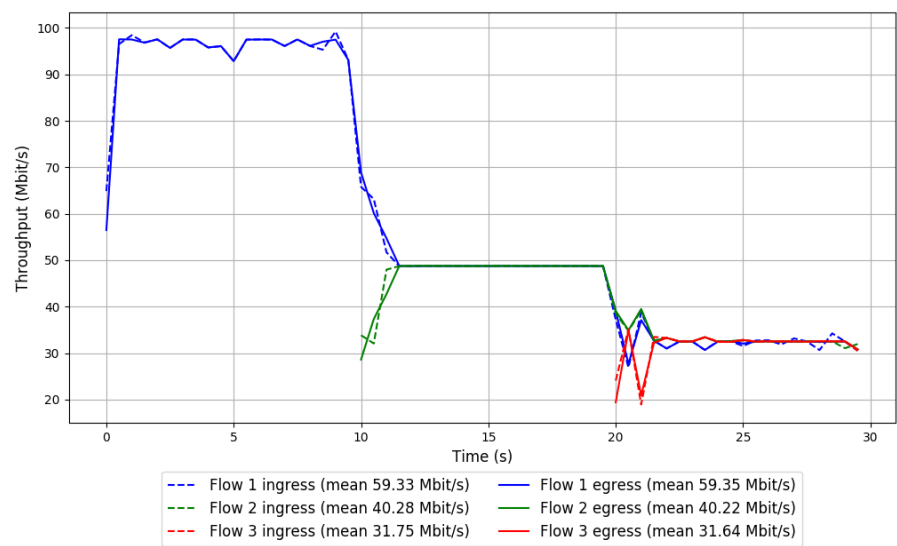


Run 7: Statistics of Verus

Start at: 2017-12-20 06:48:48
End at: 2017-12-20 06:49:18
Local clock offset: 0.591 ms
Remote clock offset: -11.656 ms

Below is generated by plot.py at 2017-12-20 11:28:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 65.724 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 65.666 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 65.678 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 66.171 ms
Loss rate: 0.63%

Run 7: Report of Verus — Data Link

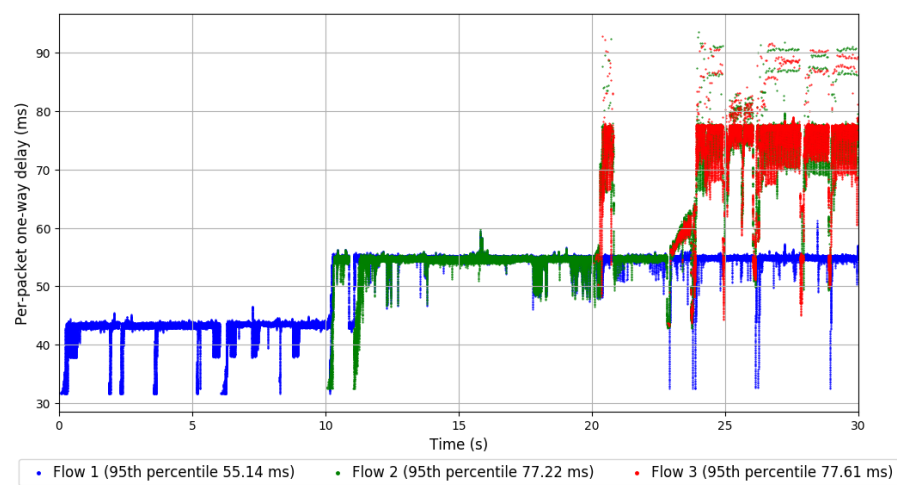
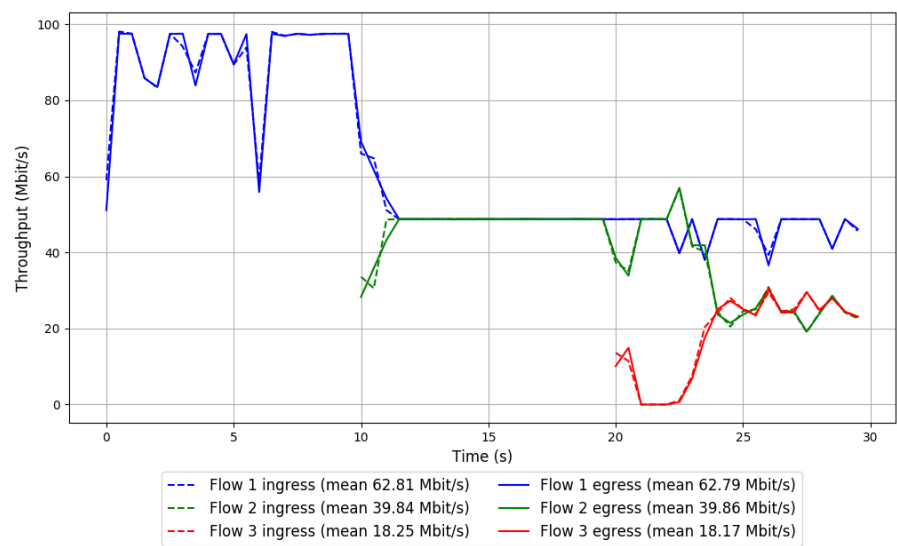


Run 8: Statistics of Verus

Start at: 2017-12-20 07:08:25
End at: 2017-12-20 07:08:55
Local clock offset: 1.113 ms
Remote clock offset: -12.319 ms

Below is generated by plot.py at 2017-12-20 11:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 76.208 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 55.137 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 77.220 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 77.612 ms
Loss rate: 1.13%

Run 8: Report of Verus — Data Link

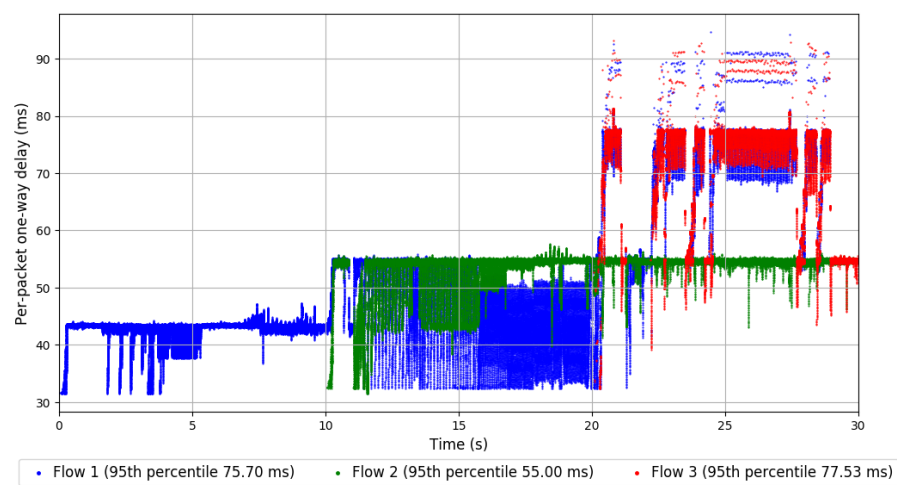
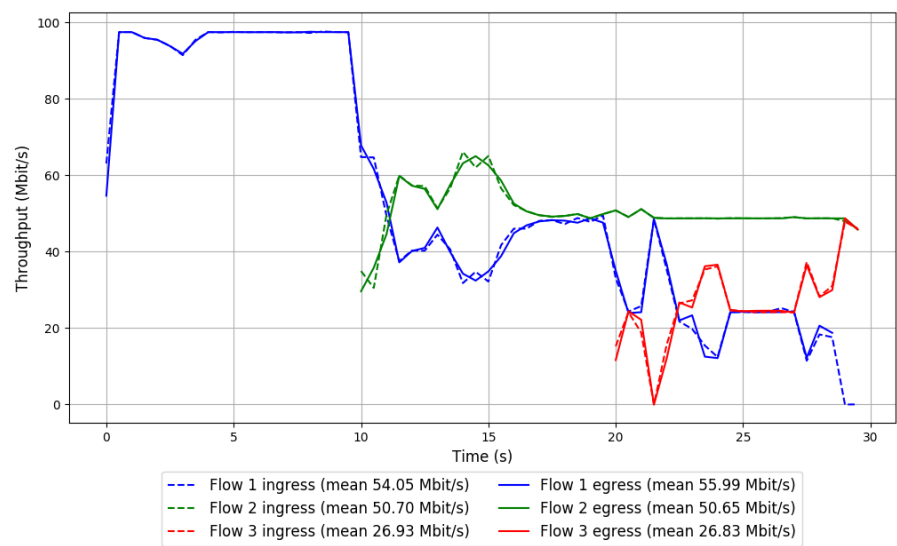


Run 9: Statistics of Verus

Start at: 2017-12-20 07:27:12
End at: 2017-12-20 07:27:42
Local clock offset: 1.819 ms
Remote clock offset: -11.708 ms

Below is generated by plot.py at 2017-12-20 11:28:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 76.509 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 75.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 55.001 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 77.526 ms
Loss rate: 0.87%

Run 9: Report of Verus — Data Link

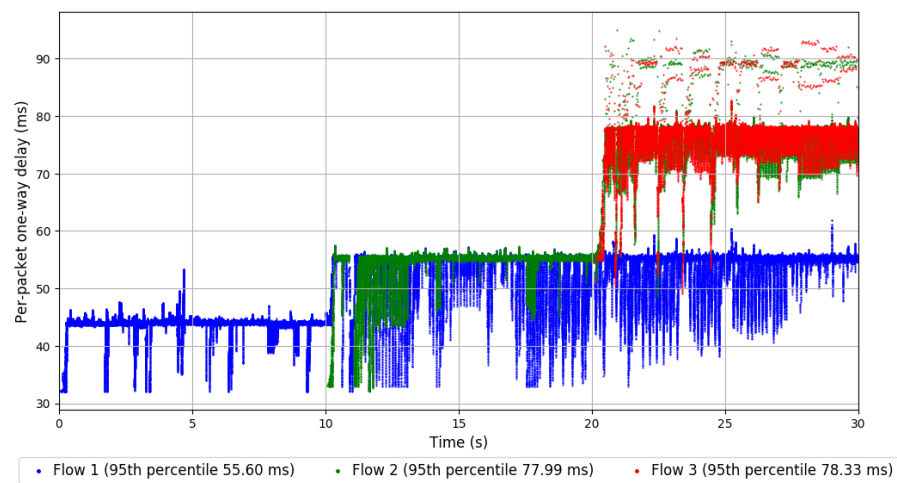
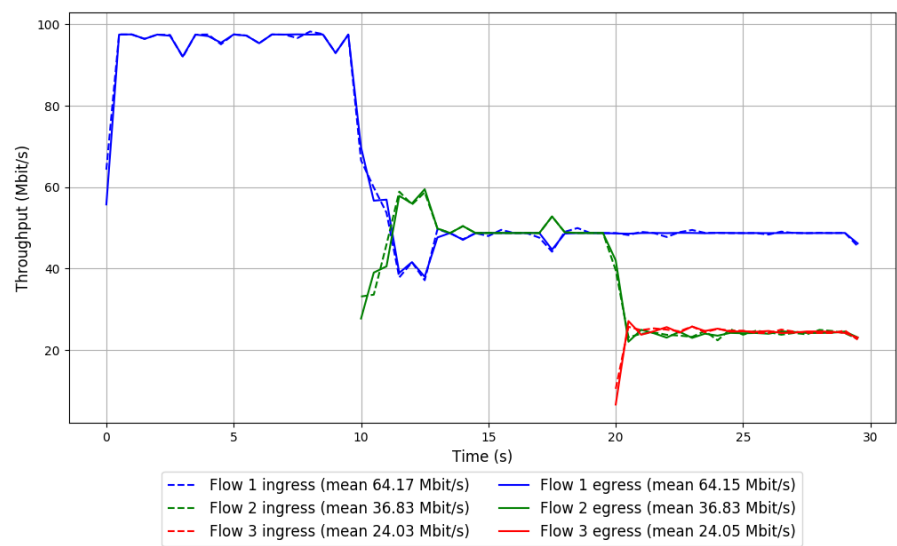


Run 10: Statistics of Verus

Start at: 2017-12-20 07:47:24
End at: 2017-12-20 07:47:54
Local clock offset: 2.813 ms
Remote clock offset: -11.815 ms

Below is generated by plot.py at 2017-12-20 11:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 77.795 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 55.596 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 77.991 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 78.327 ms
Loss rate: 0.71%

Run 10: Report of Verus — Data Link

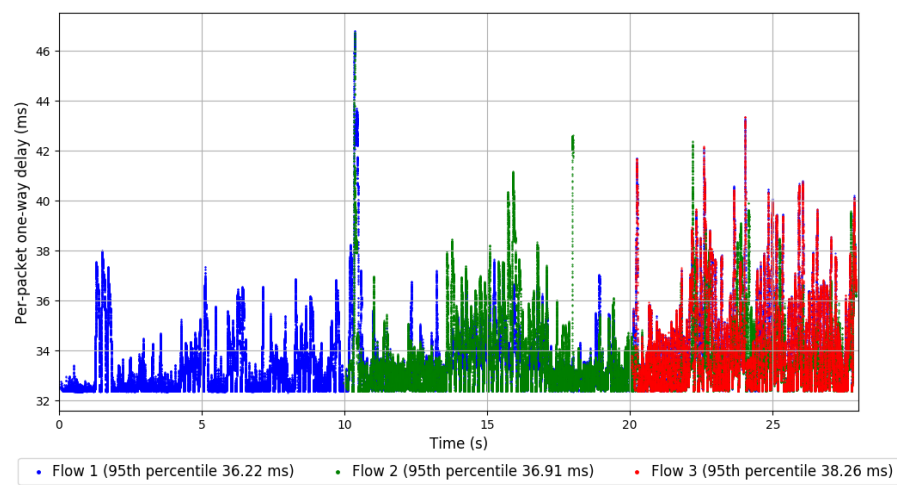
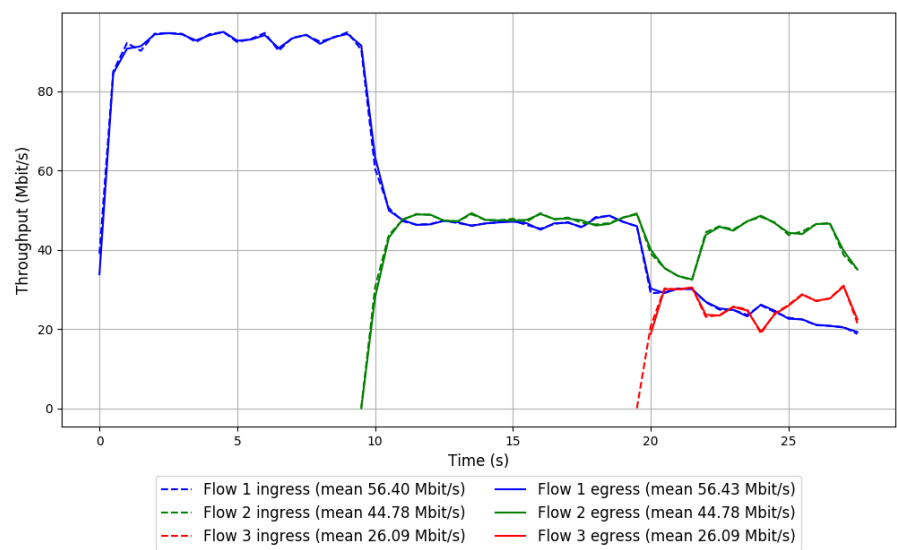


Run 1: Statistics of Copa

Start at: 2017-12-20 05:04:12
End at: 2017-12-20 05:04:42
Local clock offset: 3.864 ms
Remote clock offset: -10.539 ms

Below is generated by plot.py at 2017-12-20 11:29:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 36.641 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 36.221 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 36.915 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 38.264 ms
Loss rate: 0.32%

Run 1: Report of Copa — Data Link

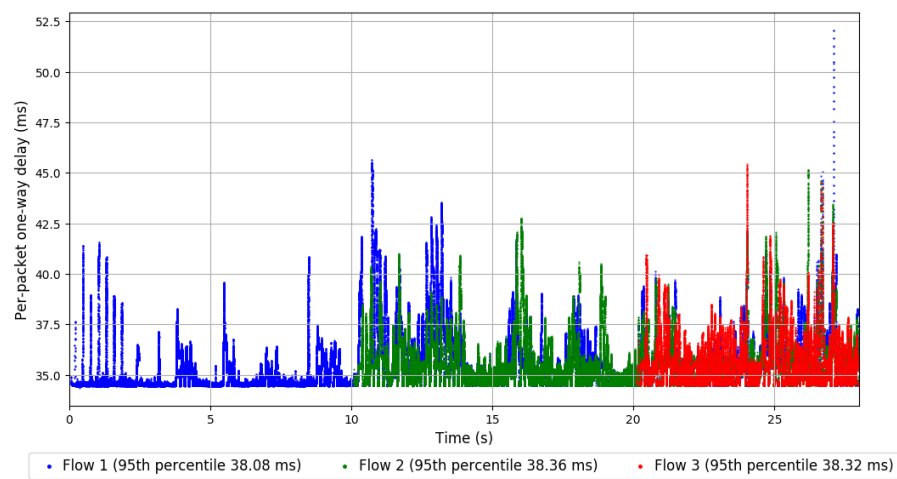
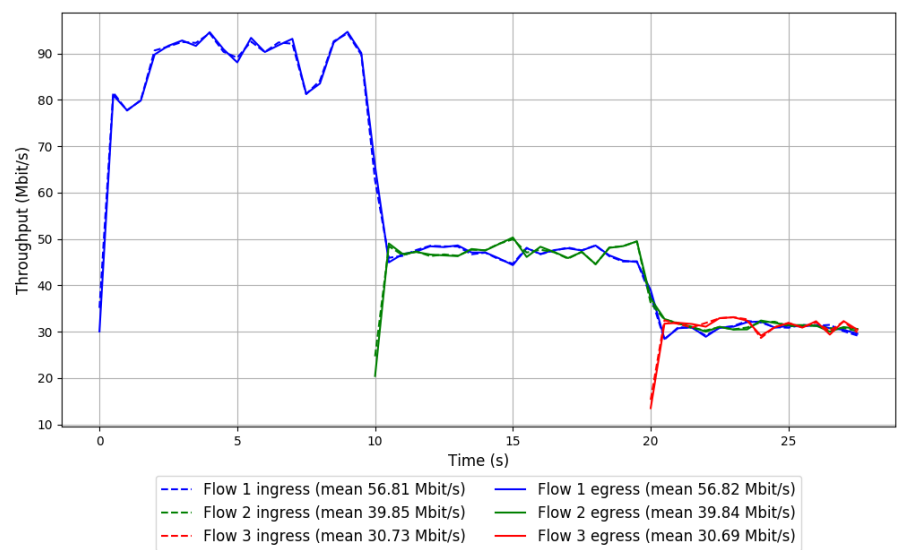


Run 2: Statistics of Copa

Start at: 2017-12-20 05:22:59
End at: 2017-12-20 05:23:29
Local clock offset: 4.604 ms
Remote clock offset: -11.25 ms

Below is generated by plot.py at 2017-12-20 11:29:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 38.191 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 38.077 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 38.357 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 38.319 ms
Loss rate: 0.45%

Run 2: Report of Copa — Data Link

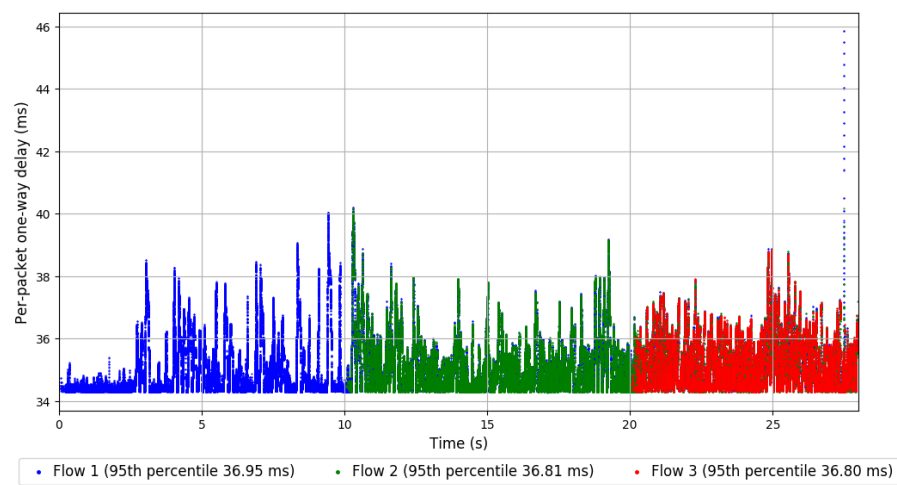
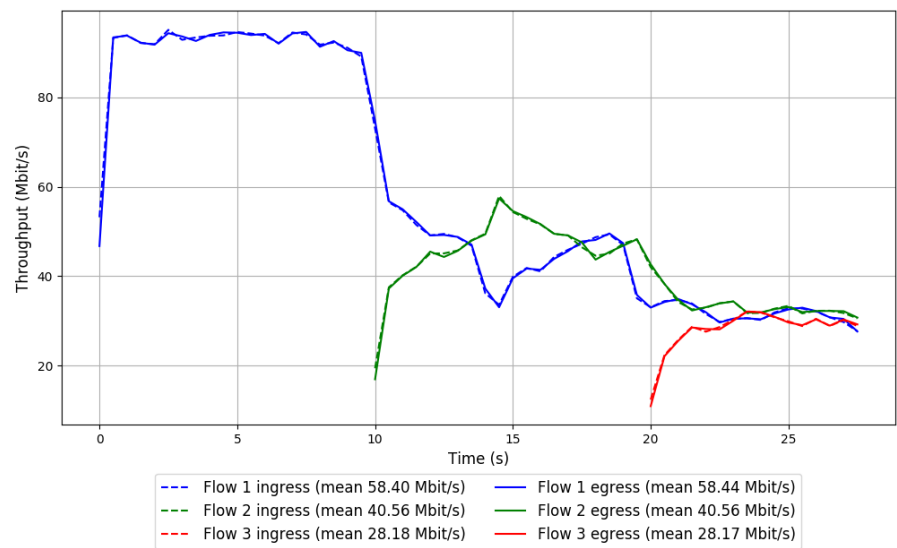


Run 3: Statistics of Copa

Start at: 2017-12-20 05:41:31
End at: 2017-12-20 05:42:01
Local clock offset: 5.542 ms
Remote clock offset: -9.796 ms

Below is generated by plot.py at 2017-12-20 11:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 36.891 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 36.945 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 36.808 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 36.802 ms
Loss rate: 0.38%

Run 3: Report of Copa — Data Link

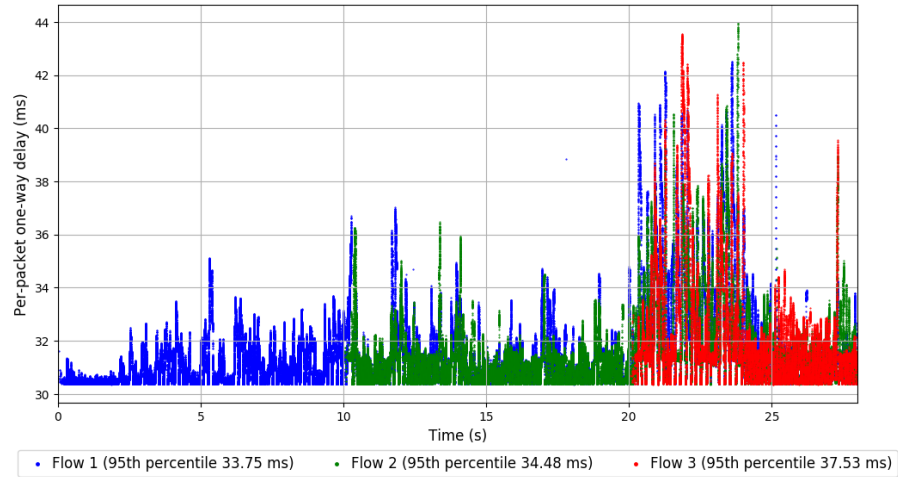
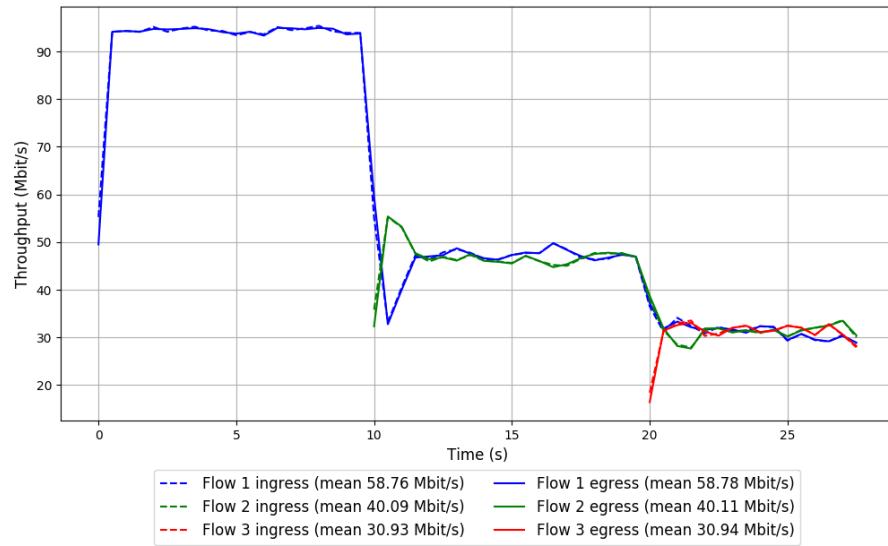


Run 4: Statistics of Copa

Start at: 2017-12-20 05:59:29
End at: 2017-12-20 05:59:59
Local clock offset: 1.691 ms
Remote clock offset: -9.809 ms

Below is generated by plot.py at 2017-12-20 11:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 34.401 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 33.747 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 34.481 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 37.529 ms
Loss rate: 0.33%

Run 4: Report of Copa — Data Link

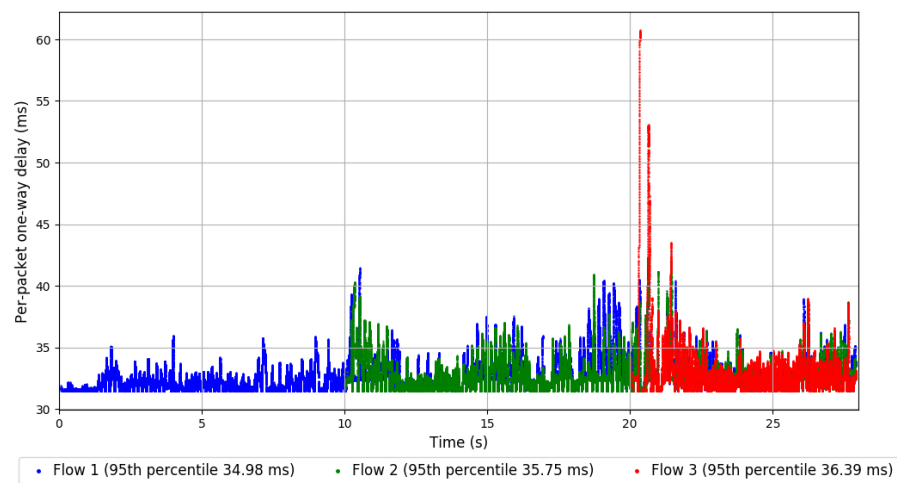
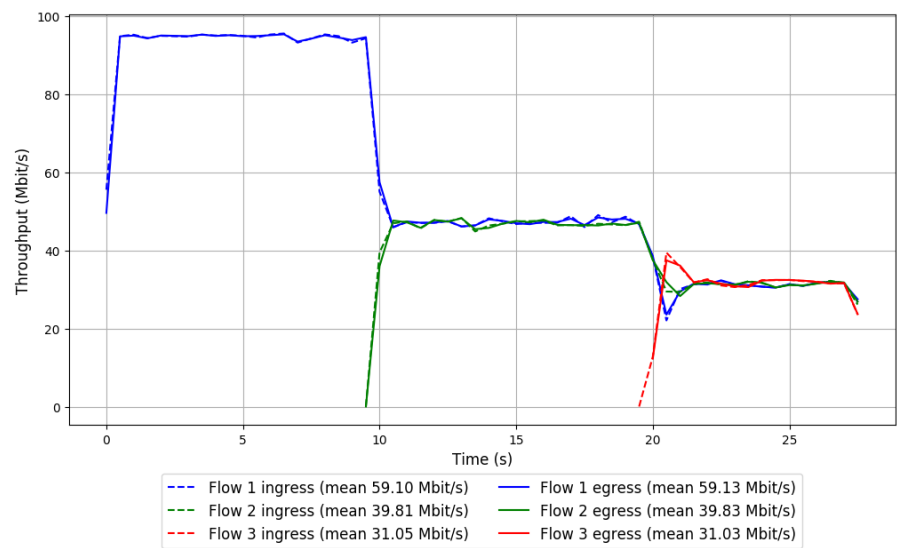


Run 5: Statistics of Copa

Start at: 2017-12-20 06:17:50
End at: 2017-12-20 06:18:20
Local clock offset: 1.962 ms
Remote clock offset: -10.866 ms

```
# Below is generated by plot.py at 2017-12-20 11:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 35.355 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 34.981 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 35.753 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 36.392 ms
Loss rate: 0.39%
```

Run 5: Report of Copa — Data Link

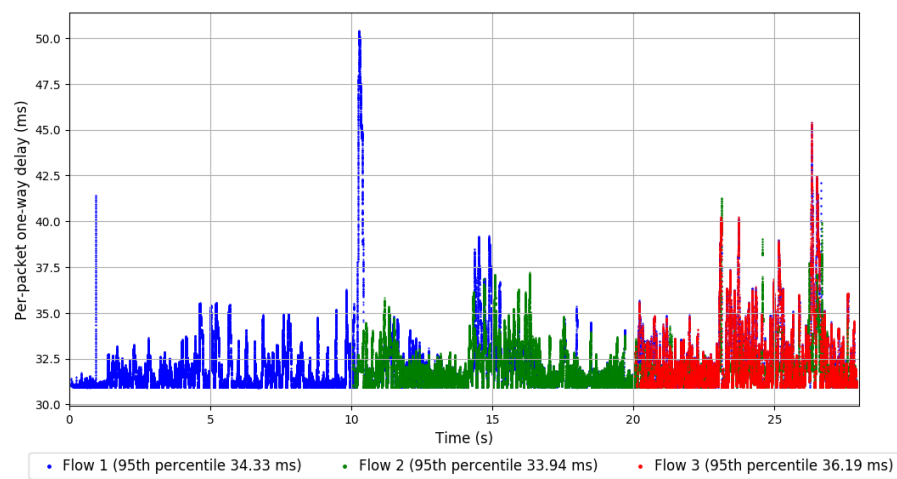
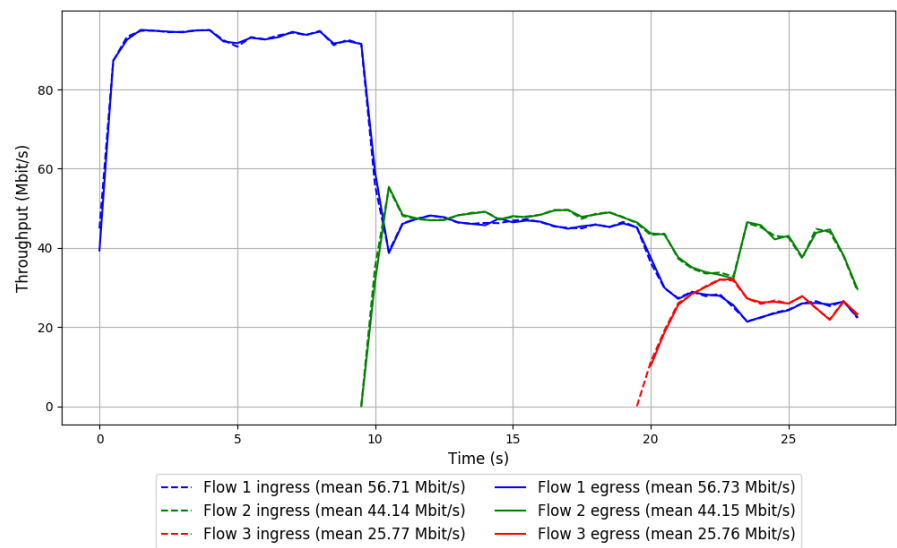


Run 6: Statistics of Copa

Start at: 2017-12-20 06:37:21
End at: 2017-12-20 06:37:51
Local clock offset: 1.105 ms
Remote clock offset: -11.156 ms

Below is generated by plot.py at 2017-12-20 11:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 34.373 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 34.333 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 33.937 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 36.193 ms
Loss rate: 0.37%

Run 6: Report of Copa — Data Link

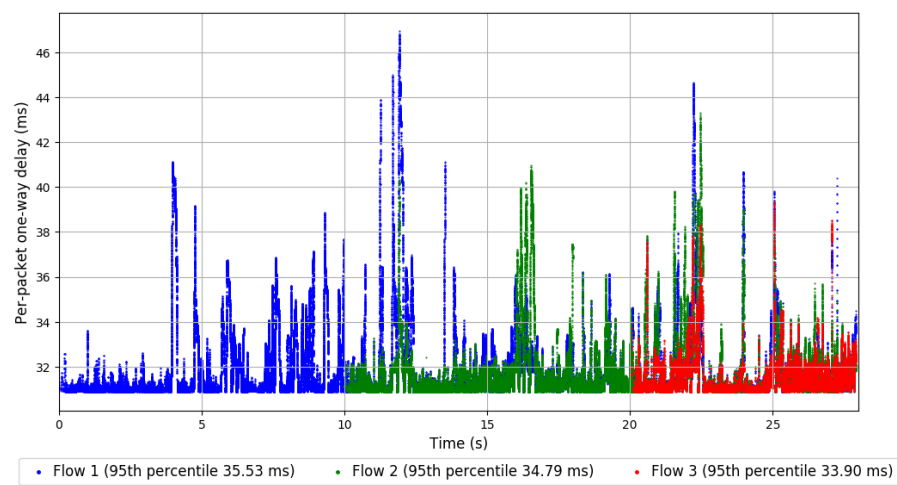
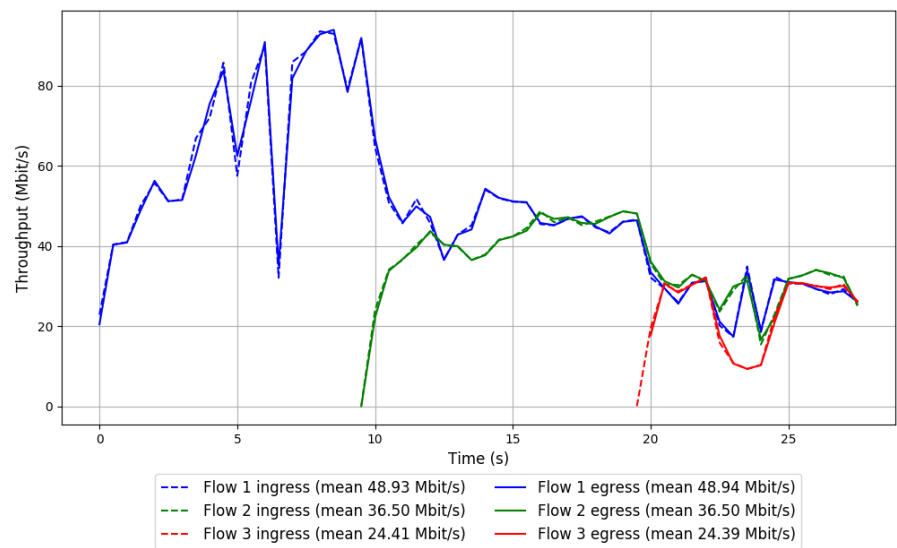


Run 7: Statistics of Copa

Start at: 2017-12-20 06:56:27
End at: 2017-12-20 06:56:57
Local clock offset: 1.896 ms
Remote clock offset: -10.562 ms

Below is generated by plot.py at 2017-12-20 11:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 35.354 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 35.531 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 34.792 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 33.904 ms
Loss rate: 0.44%

Run 7: Report of Copa — Data Link

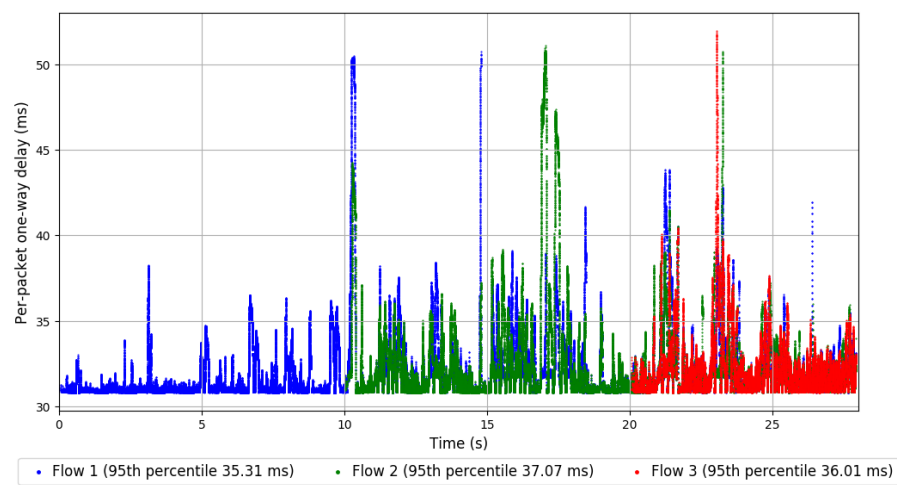
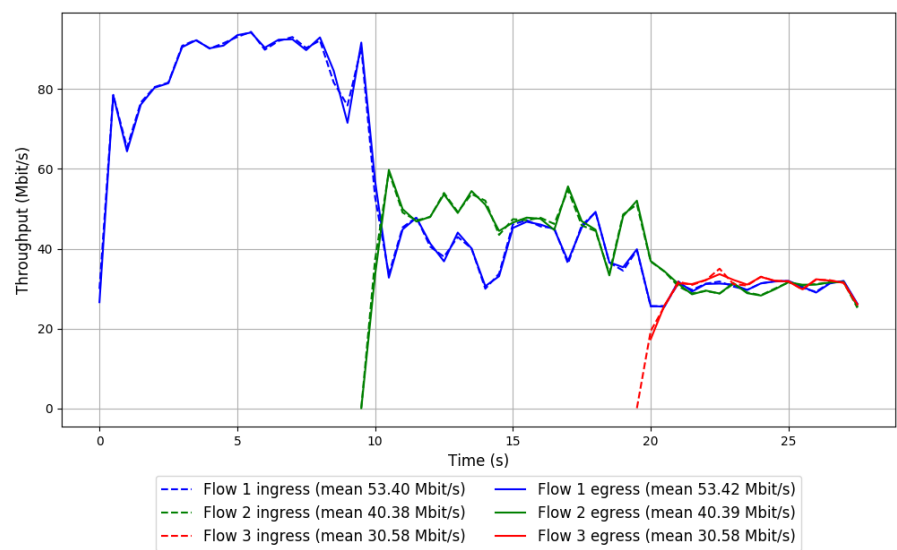


Run 8: Statistics of Copa

Start at: 2017-12-20 07:15:45
End at: 2017-12-20 07:16:15
Local clock offset: 0.459 ms
Remote clock offset: -12.347 ms

Below is generated by plot.py at 2017-12-20 11:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 35.781 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 35.314 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 37.071 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 36.006 ms
Loss rate: 0.35%

Run 8: Report of Copa — Data Link

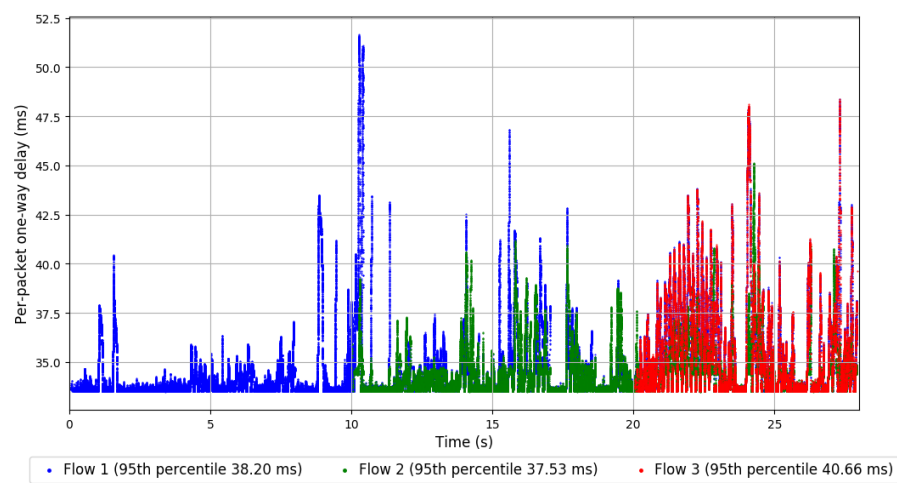
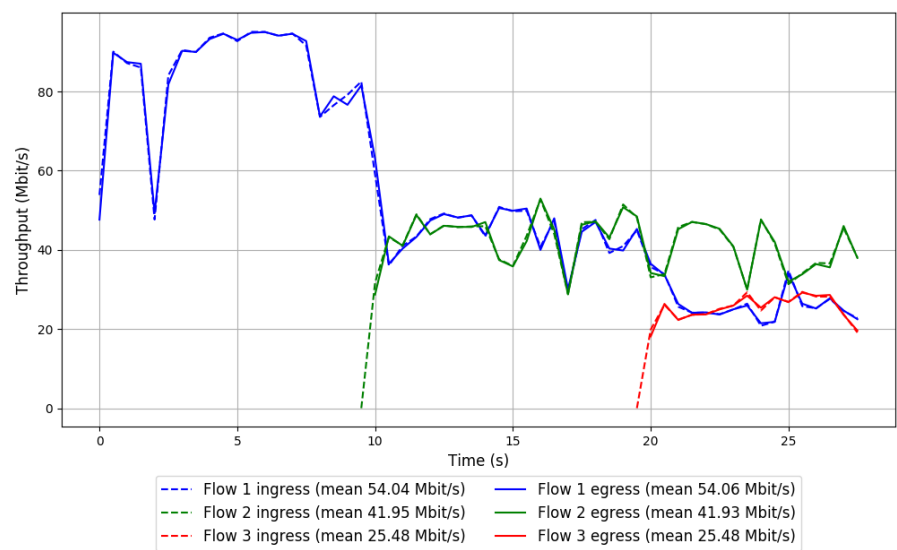


Run 9: Statistics of Copa

Start at: 2017-12-20 07:34:34
End at: 2017-12-20 07:35:04
Local clock offset: 1.806 ms
Remote clock offset: -13.78 ms

Below is generated by plot.py at 2017-12-20 11:31:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 38.293 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 38.198 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 37.531 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 40.663 ms
Loss rate: 0.29%

Run 9: Report of Copa — Data Link

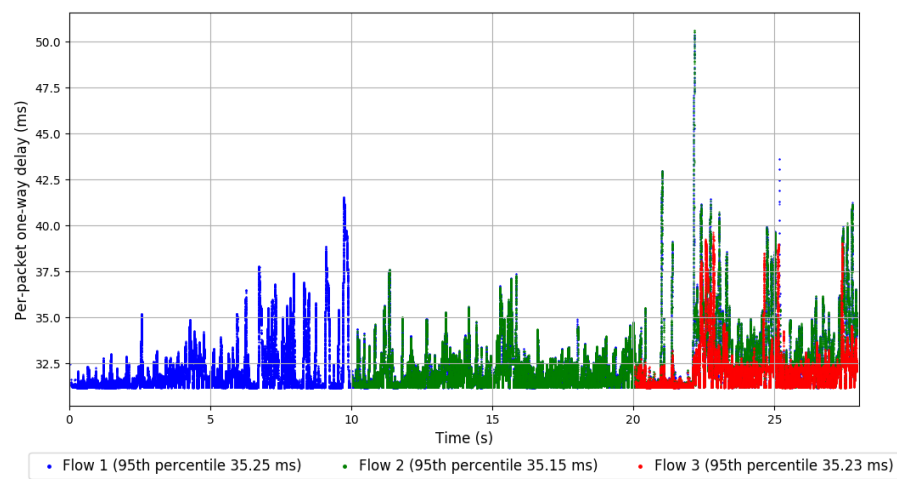
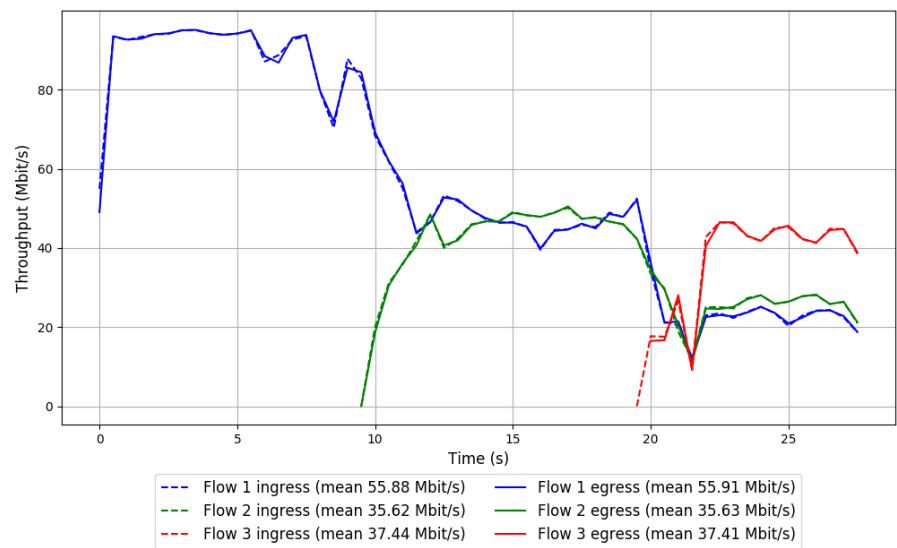


Run 10: Statistics of Copa

Start at: 2017-12-20 07:54:57
End at: 2017-12-20 07:55:27
Local clock offset: 1.296 ms
Remote clock offset: -12.13 ms

Below is generated by plot.py at 2017-12-20 11:32:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.41 Mbit/s
95th percentile per-packet one-way delay: 35.220 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 35.248 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 35.153 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 35.226 ms
Loss rate: 0.42%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

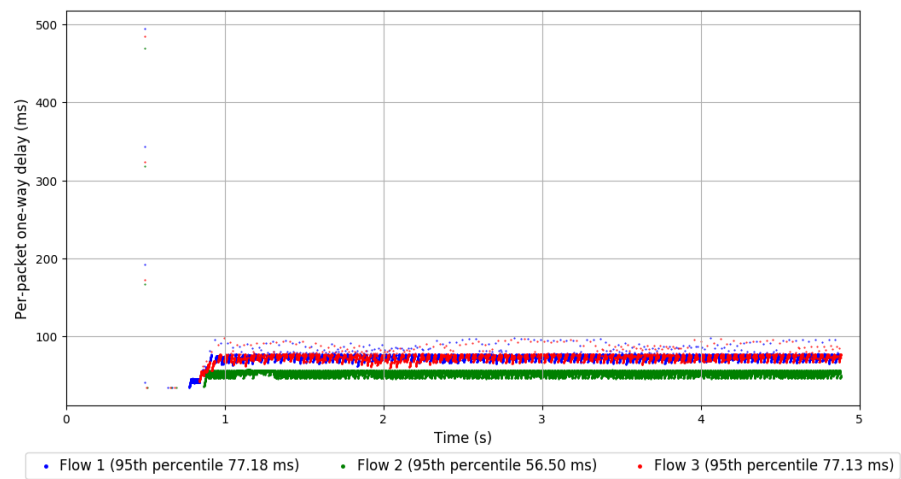
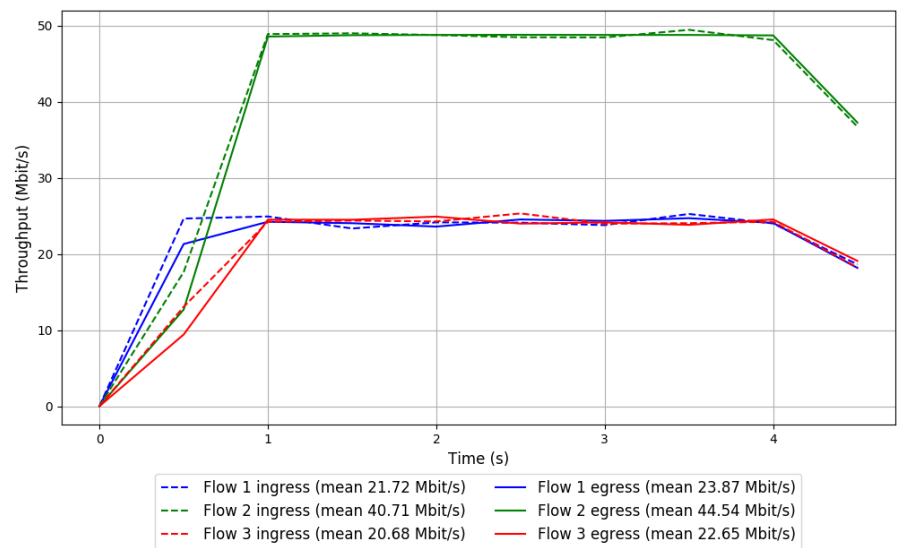
Start at: 2017-12-20 05:00:53

End at: 2017-12-20 05:01:23

Local clock offset: 6.343 ms

Remote clock offset: -10.83 ms

Run 1: Report of FillP — Data Link

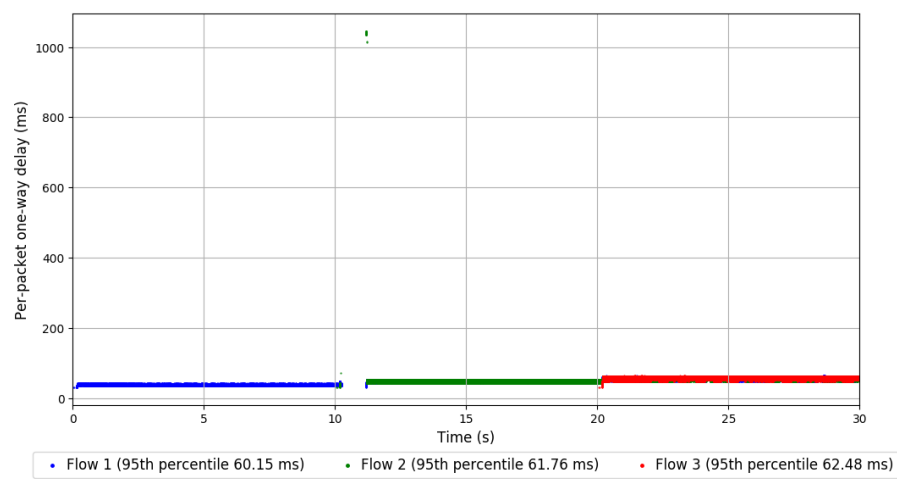
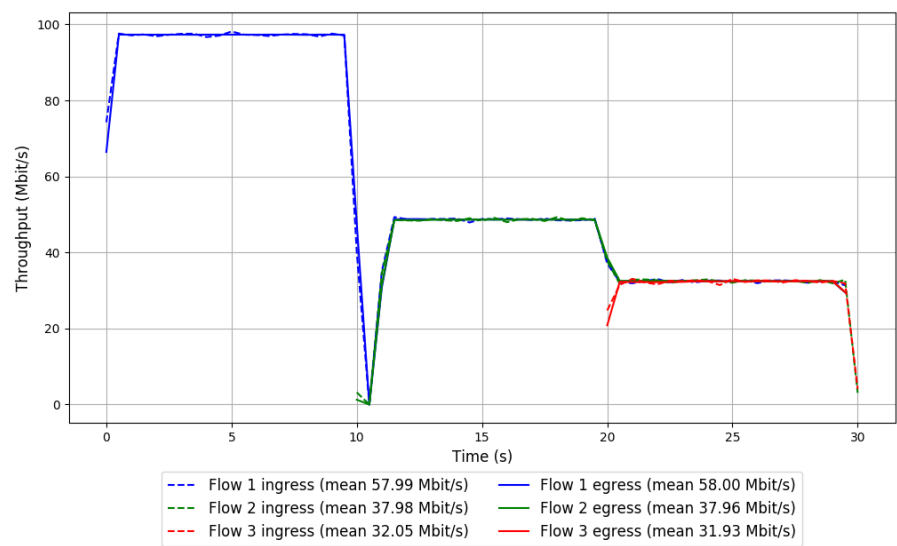


Run 2: Statistics of FillP

Start at: 2017-12-20 05:19:36
End at: 2017-12-20 05:20:06
Local clock offset: 2.749 ms
Remote clock offset: -9.232 ms

Below is generated by plot.py at 2017-12-20 11:32:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 60.154 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 61.758 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 62.478 ms
Loss rate: 1.57%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

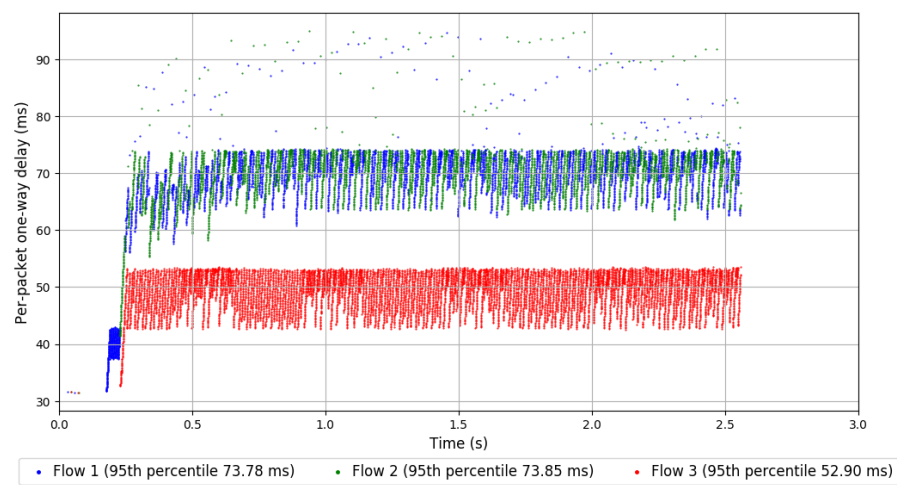
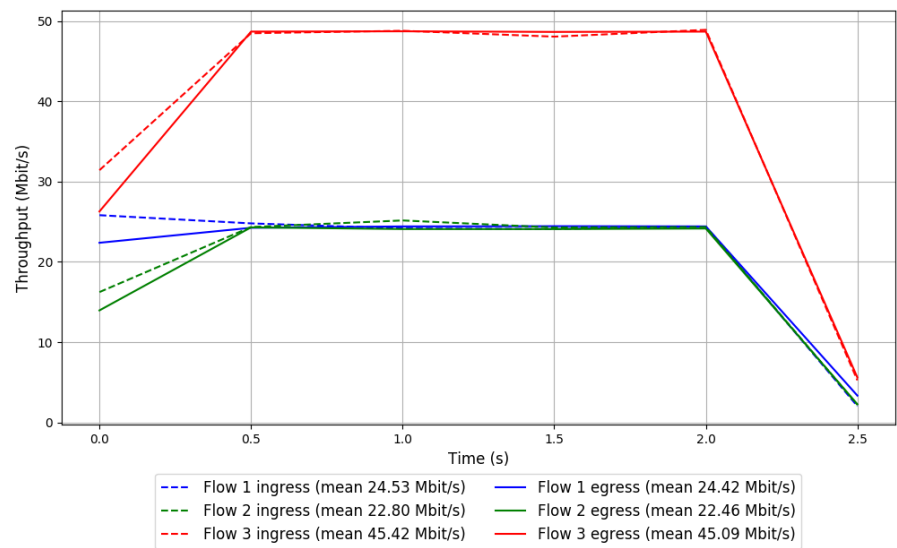
Start at: 2017-12-20 05:38:14

End at: 2017-12-20 05:38:44

Local clock offset: 2.135 ms

Remote clock offset: -10.507 ms

Run 3: Report of FillP — Data Link

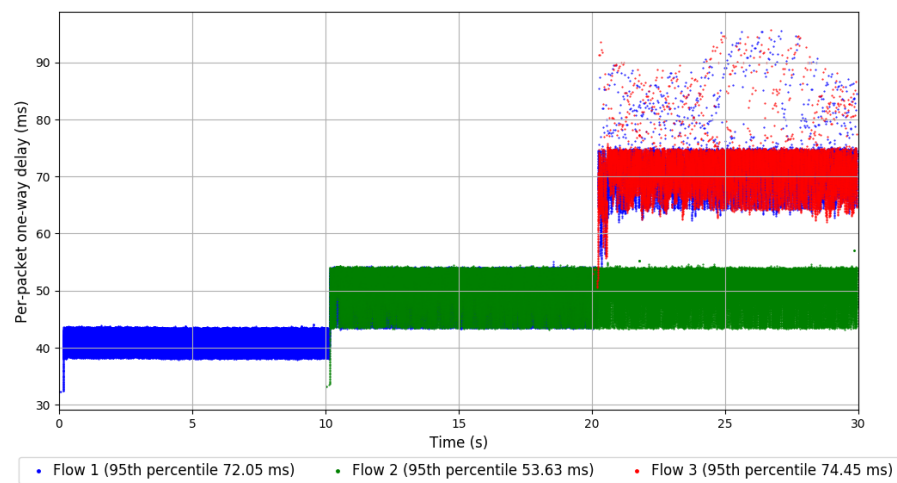
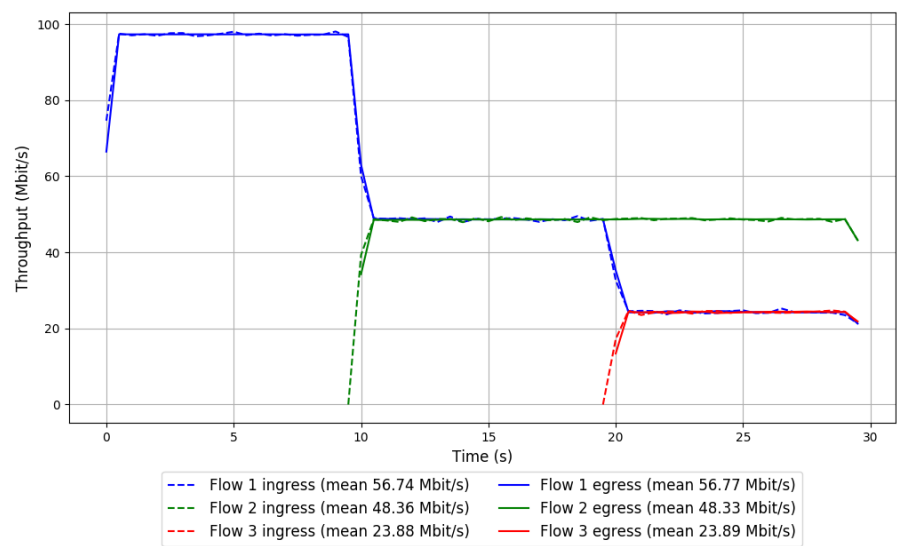


Run 4: Statistics of FillP

Start at: 2017-12-20 05:56:06
End at: 2017-12-20 05:56:36
Local clock offset: 2.884 ms
Remote clock offset: -10.569 ms

Below is generated by plot.py at 2017-12-20 11:32:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 72.406 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 72.051 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 53.633 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 74.446 ms
Loss rate: 0.74%

Run 4: Report of FillP — Data Link

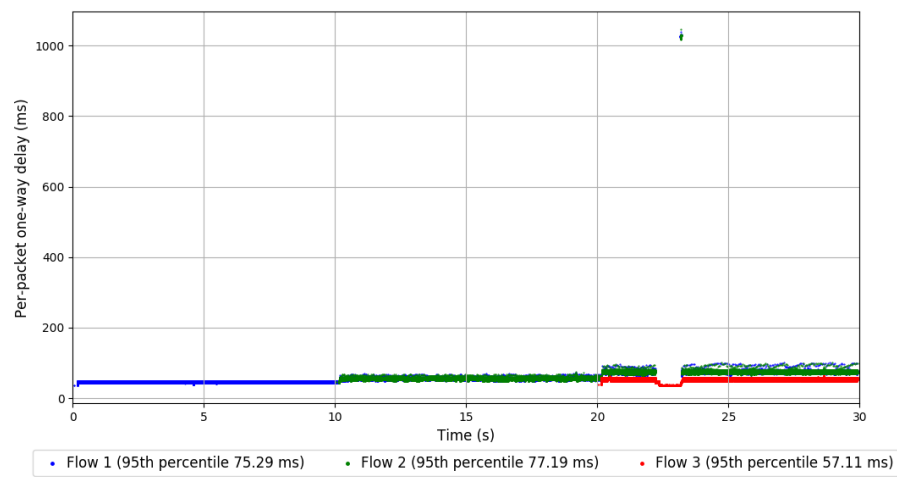
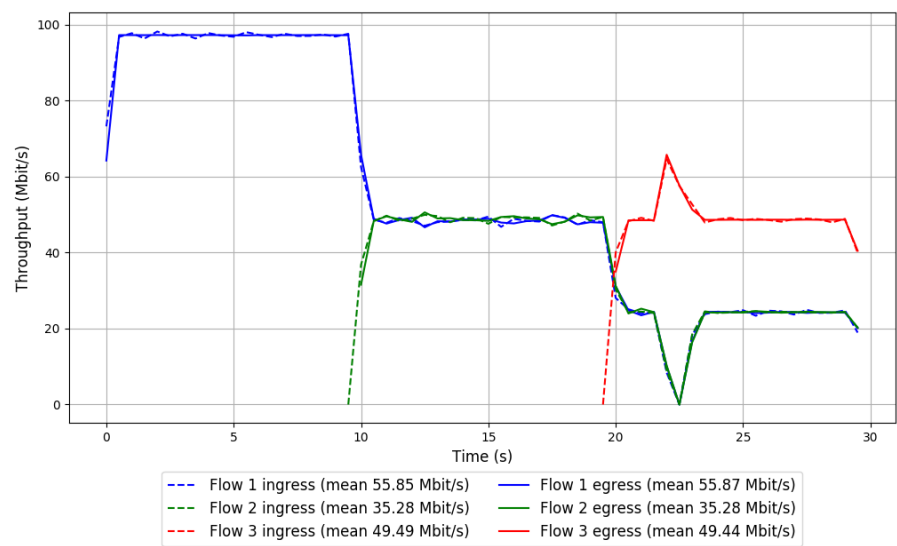


Run 5: Statistics of FillP

Start at: 2017-12-20 06:14:25
End at: 2017-12-20 06:14:55
Local clock offset: 5.285 ms
Remote clock offset: -11.843 ms

Below is generated by plot.py at 2017-12-20 11:32:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 75.813 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 75.287 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 77.193 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 57.112 ms
Loss rate: 0.46%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

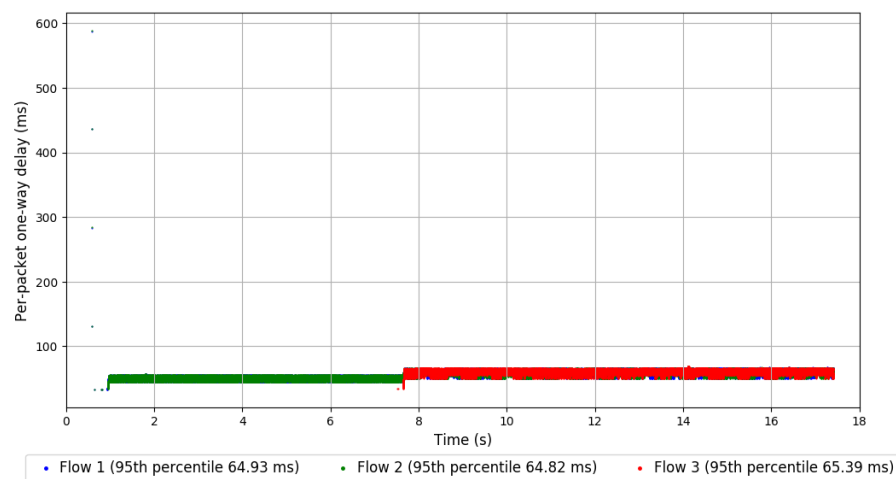
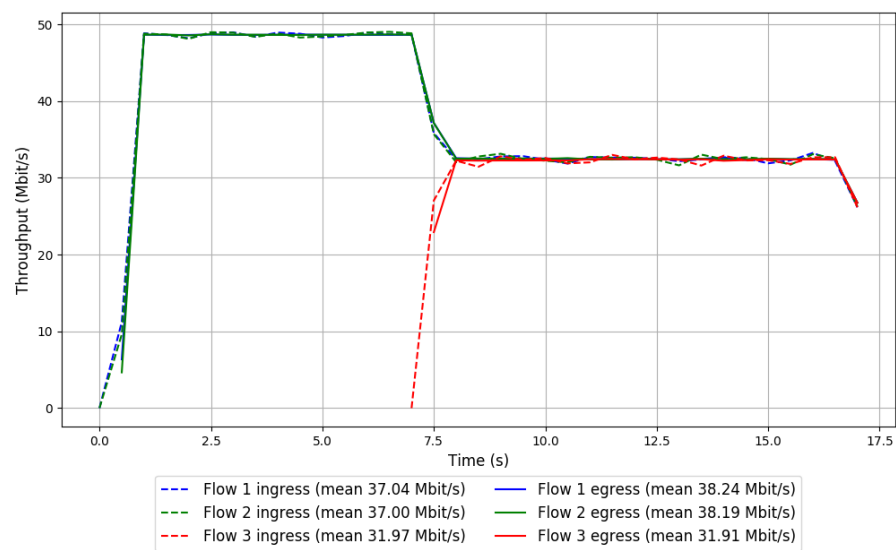
Start at: 2017-12-20 06:33:44

End at: 2017-12-20 06:34:14

Local clock offset: 4.139 ms

Remote clock offset: -10.594 ms

Run 6: Report of FillP — Data Link

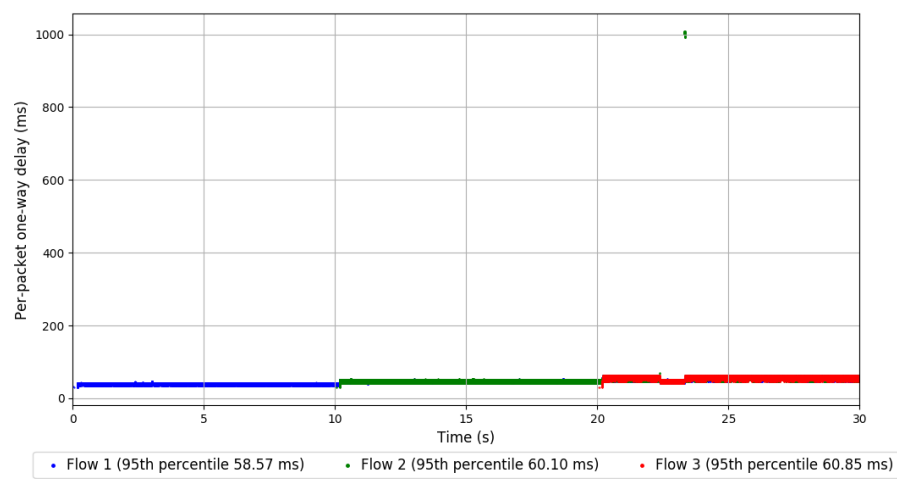
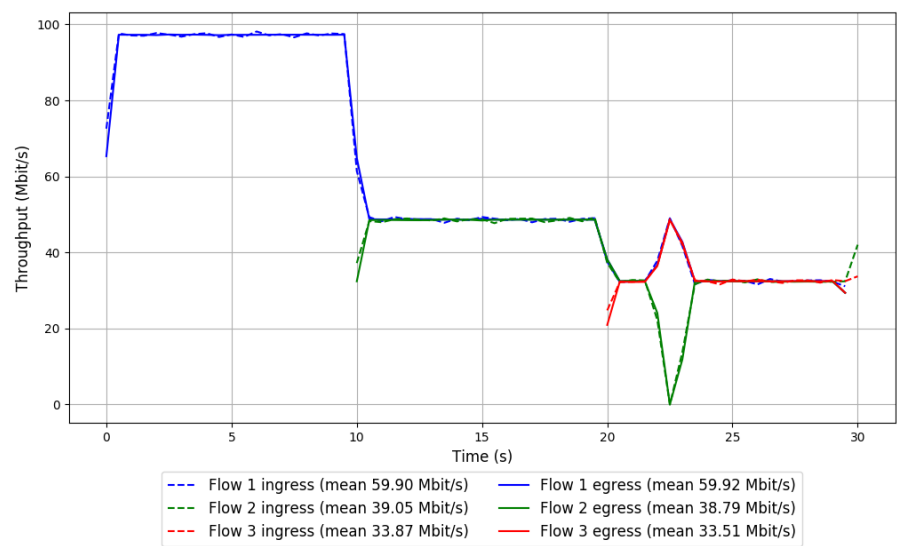


Run 7: Statistics of FillP

Start at: 2017-12-20 06:52:49
End at: 2017-12-20 06:53:19
Local clock offset: -1.21 ms
Remote clock offset: -11.781 ms

Below is generated by plot.py at 2017-12-20 11:32:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 59.863 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 58.570 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 60.104 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 60.852 ms
Loss rate: 5.76%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

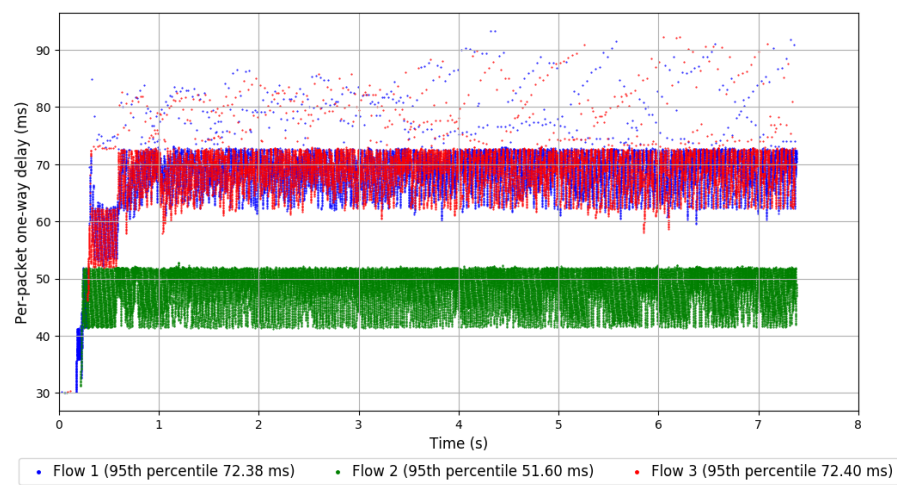
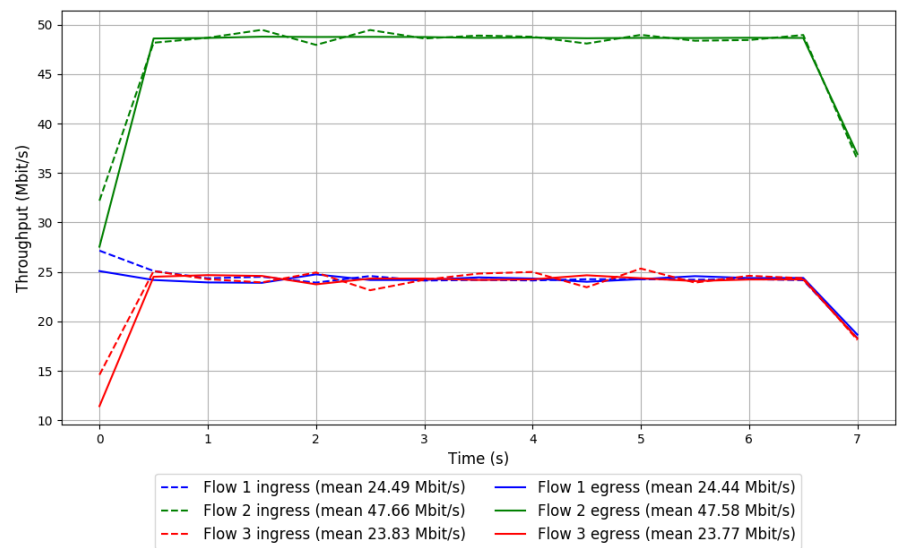
Start at: 2017-12-20 07:12:25

End at: 2017-12-20 07:12:55

Local clock offset: 0.035 ms

Remote clock offset: -12.073 ms

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

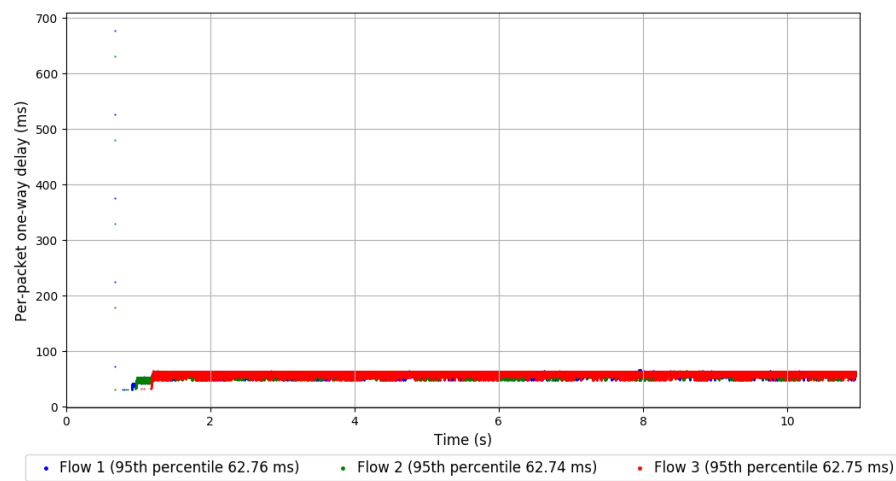
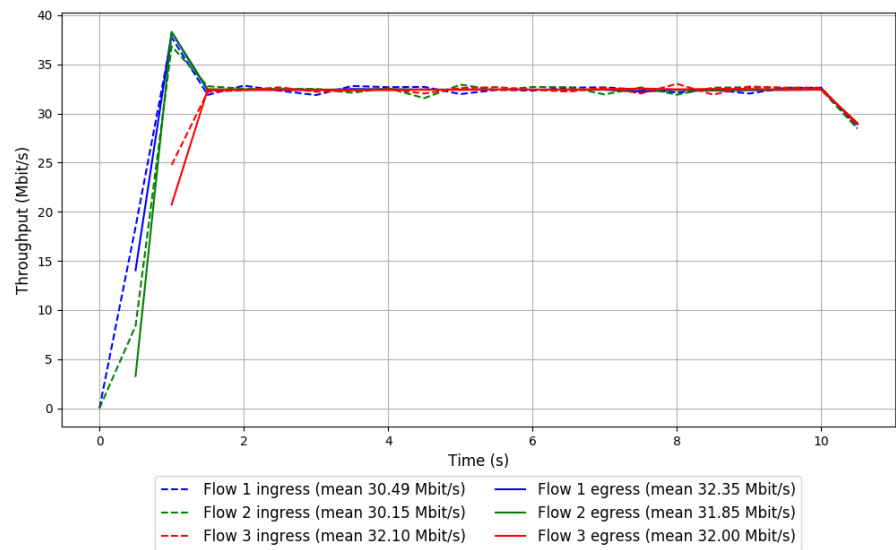
Start at: 2017-12-20 07:31:12

End at: 2017-12-20 07:31:42

Local clock offset: 0.945 ms

Remote clock offset: -12.073 ms

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

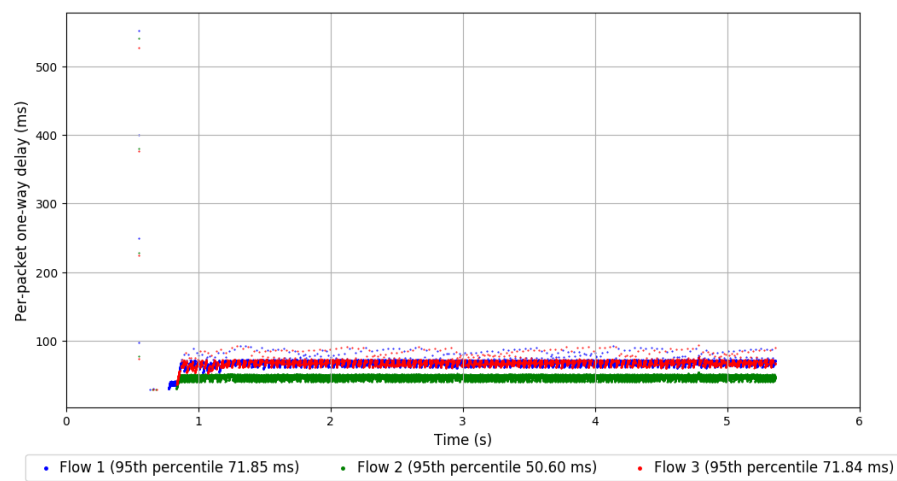
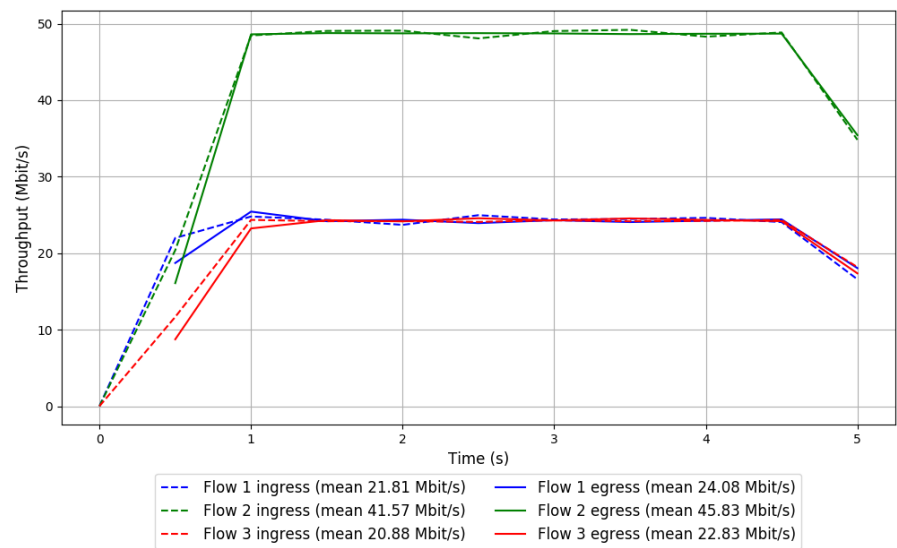
Start at: 2017-12-20 07:51:32

End at: 2017-12-20 07:52:02

Local clock offset: 0.284 ms

Remote clock offset: -11.67 ms

Run 10: Report of FillP — Data Link

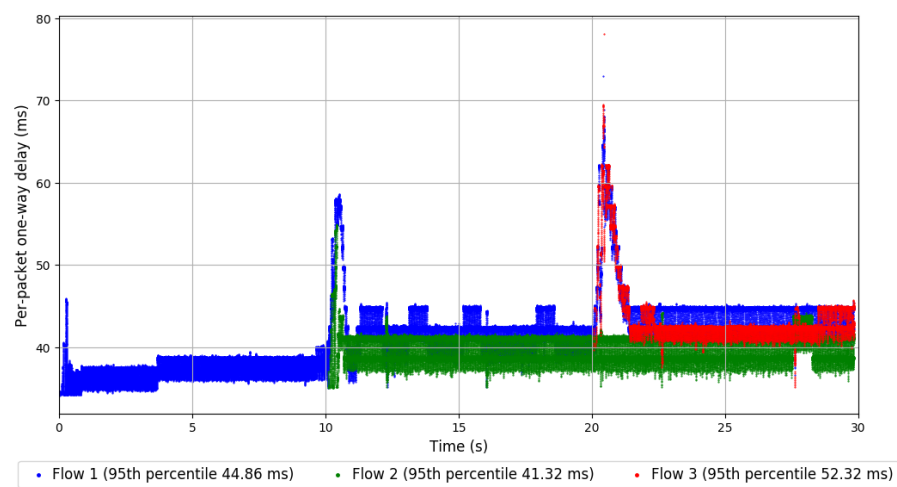
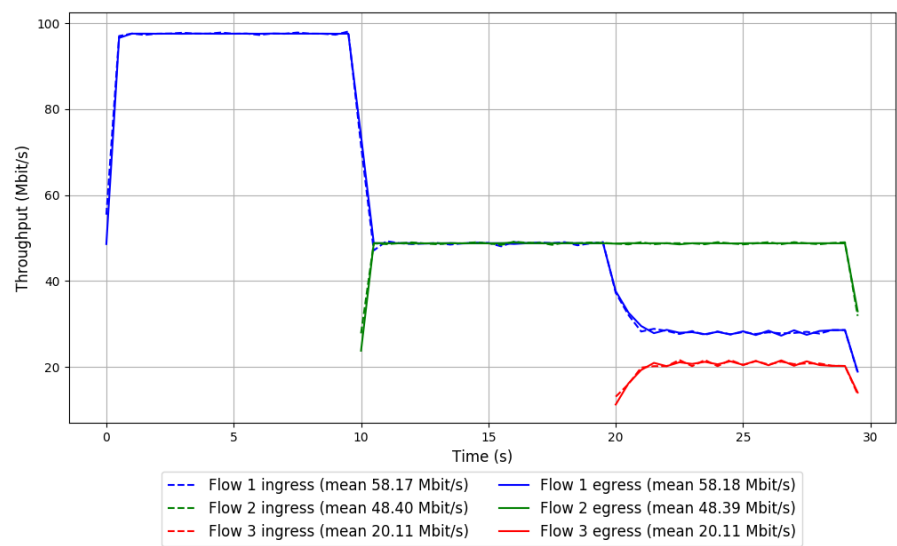


```
Run 1: Statistics of Indigo

Start at: 2017-12-20 05:07:56
End at: 2017-12-20 05:08:26
Local clock offset: 5.326 ms
Remote clock offset: -10.7 ms

# Below is generated by plot.py at 2017-12-20 11:33:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 44.811 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 44.864 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 41.323 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 52.321 ms
Loss rate: 0.37%
```

Run 1: Report of Indigo — Data Link

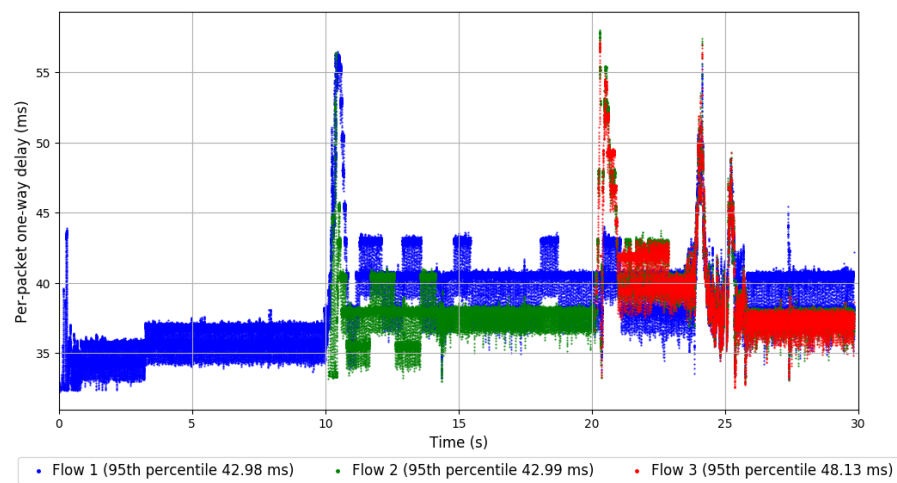
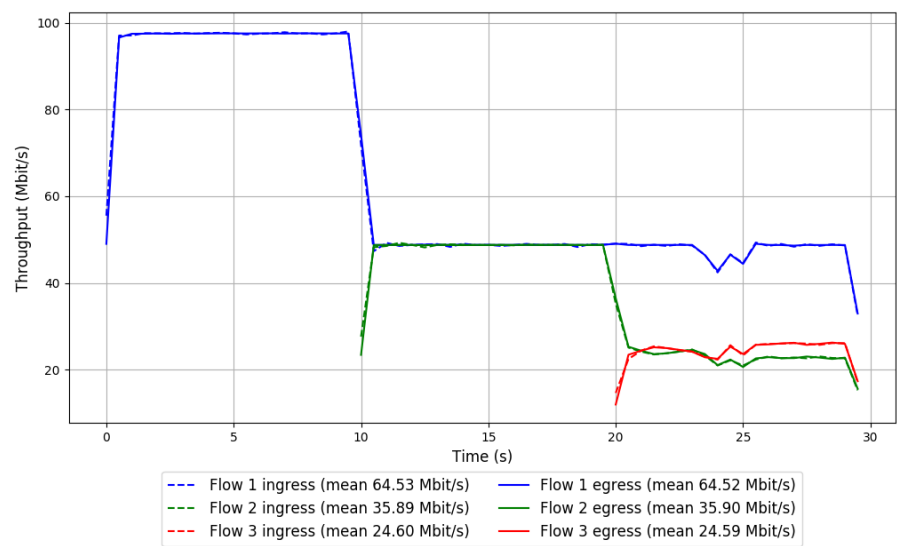


Run 2: Statistics of Indigo

Start at: 2017-12-20 05:26:47
End at: 2017-12-20 05:27:17
Local clock offset: 2.36 ms
Remote clock offset: -11.289 ms

Below is generated by plot.py at 2017-12-20 11:33:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 43.034 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 42.981 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 42.987 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 48.135 ms
Loss rate: 0.34%

Run 2: Report of Indigo — Data Link

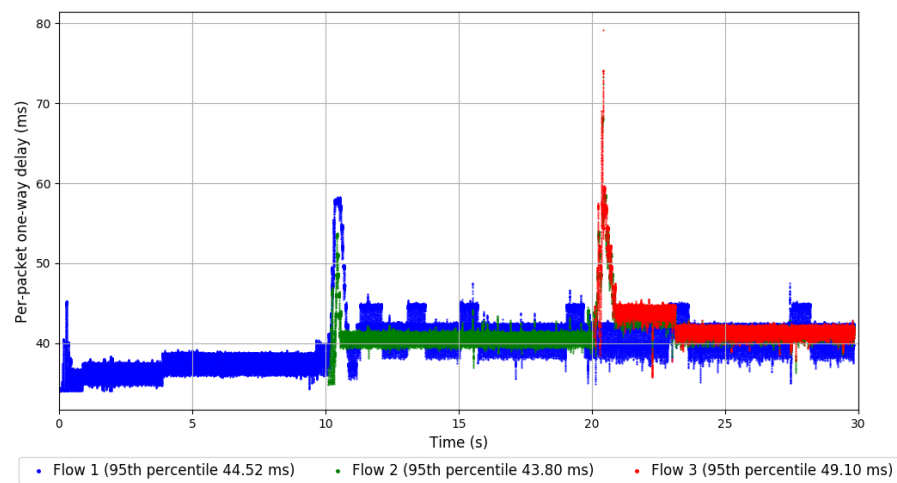
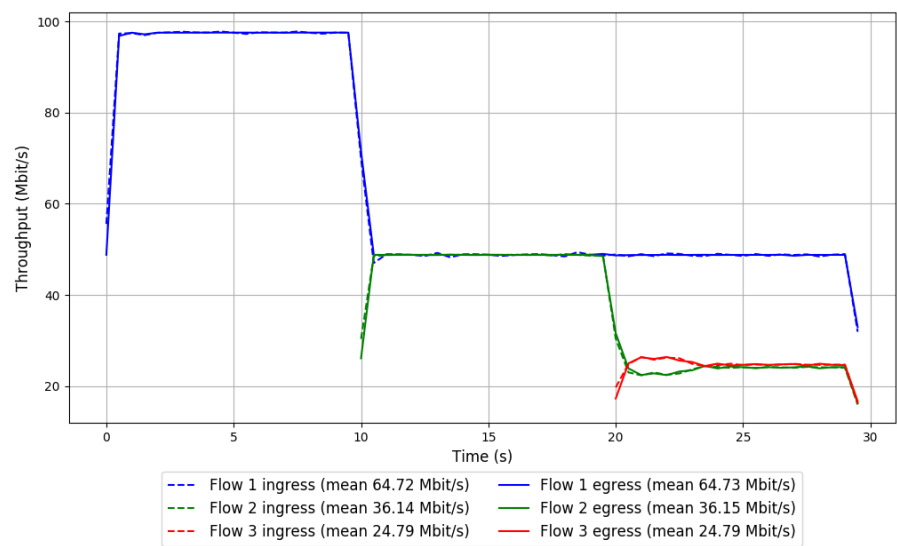


Run 3: Statistics of Indigo

Start at: 2017-12-20 05:45:13
End at: 2017-12-20 05:45:43
Local clock offset: 5.22 ms
Remote clock offset: -9.827 ms

Below is generated by plot.py at 2017-12-20 11:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 44.559 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.73 Mbit/s
95th percentile per-packet one-way delay: 44.515 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 43.797 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 49.096 ms
Loss rate: 0.33%

Run 3: Report of Indigo — Data Link

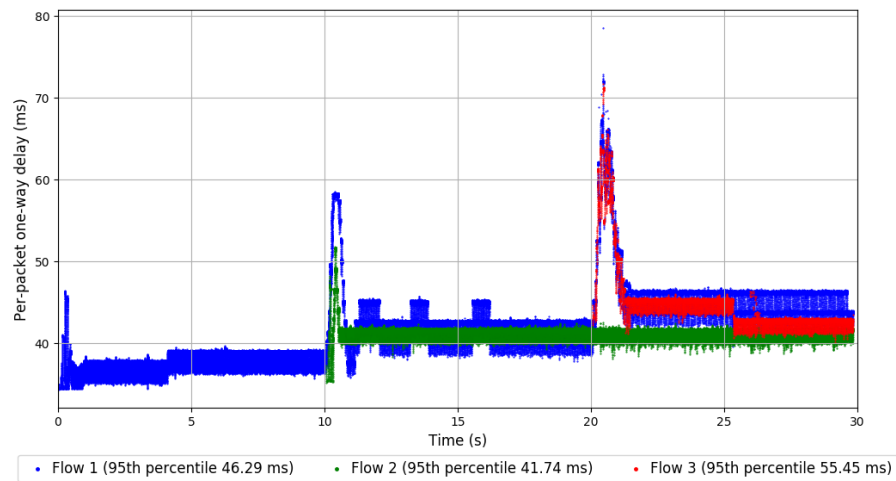
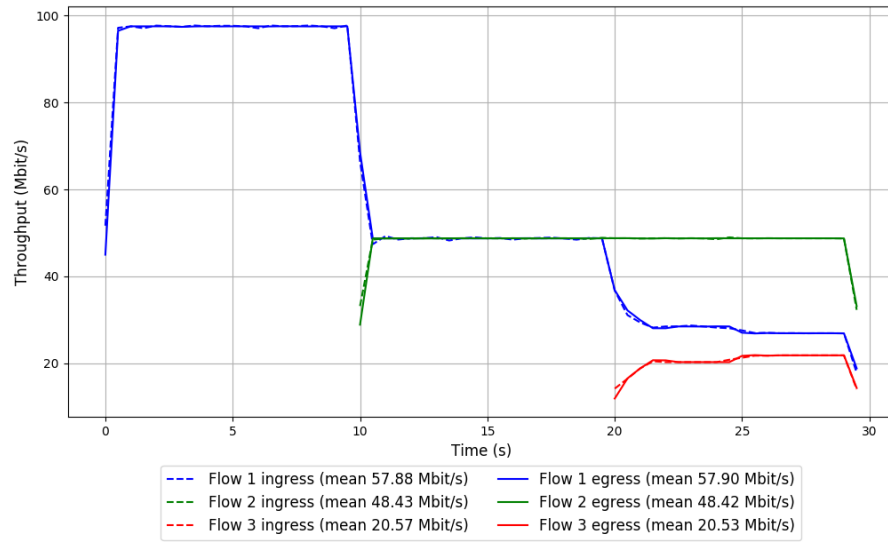


Run 4: Statistics of Indigo

Start at: 2017-12-20 06:03:15
End at: 2017-12-20 06:03:45
Local clock offset: 4.907 ms
Remote clock offset: -10.606 ms

Below is generated by plot.py at 2017-12-20 11:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 46.173 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 46.289 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 41.738 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 55.454 ms
Loss rate: 0.32%

Run 4: Report of Indigo — Data Link

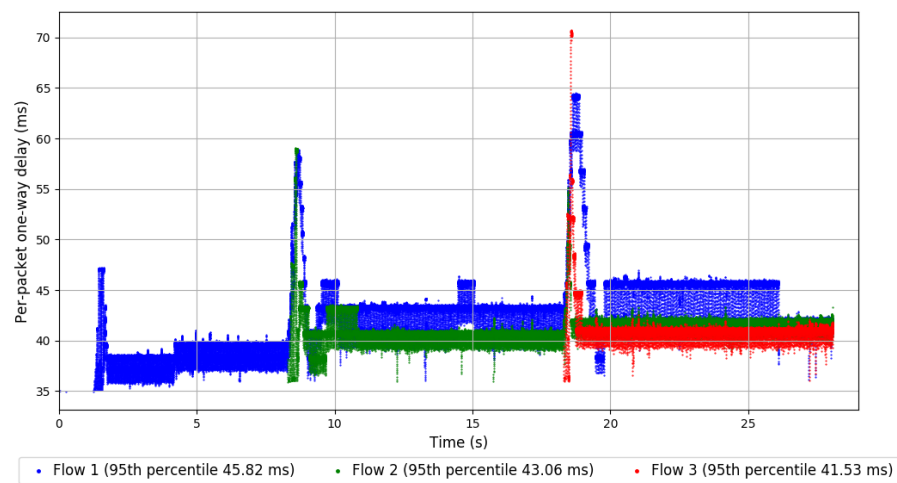
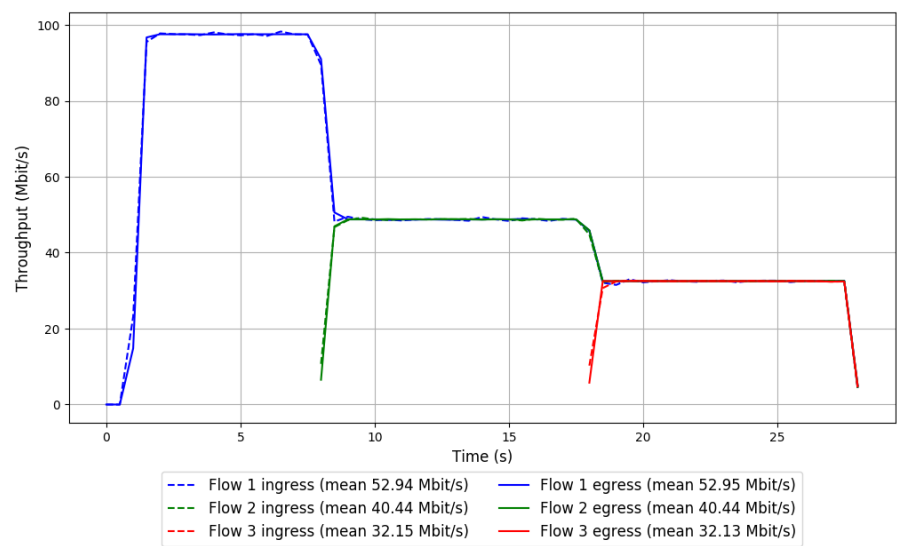


Run 5: Statistics of Indigo

Start at: 2017-12-20 06:21:30
End at: 2017-12-20 06:22:00
Local clock offset: 5.362 ms
Remote clock offset: -11.059 ms

Below is generated by plot.py at 2017-12-20 11:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 45.698 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 45.820 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 43.062 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 41.527 ms
Loss rate: 0.32%

Run 5: Report of Indigo — Data Link

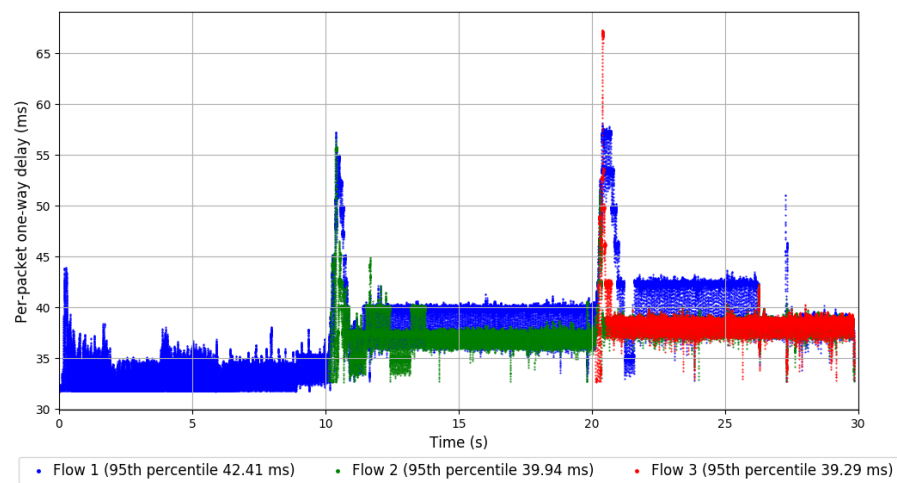
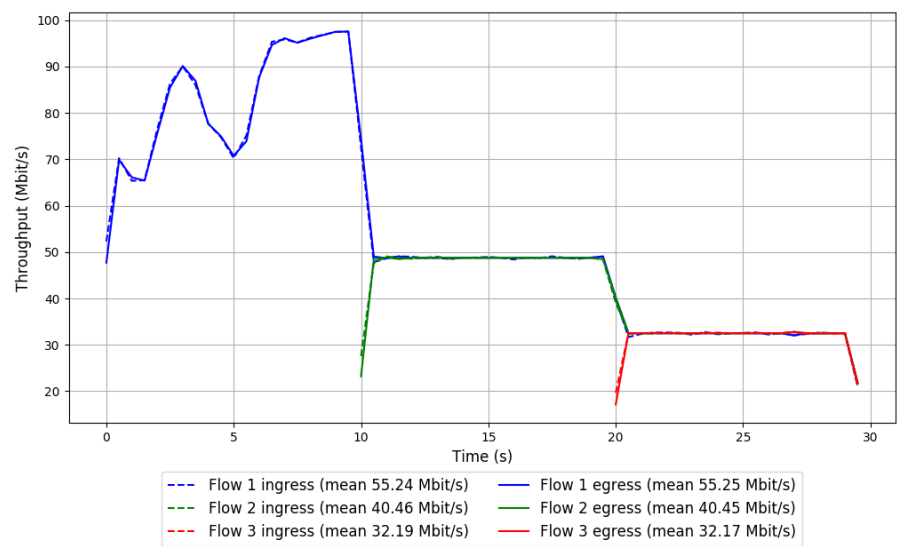


Run 6: Statistics of Indigo

Start at: 2017-12-20 06:41:18
End at: 2017-12-20 06:41:48
Local clock offset: 1.576 ms
Remote clock offset: -11.58 ms

Below is generated by plot.py at 2017-12-20 11:33:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 41.983 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 42.411 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 39.935 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 39.290 ms
Loss rate: 0.29%

Run 6: Report of Indigo — Data Link

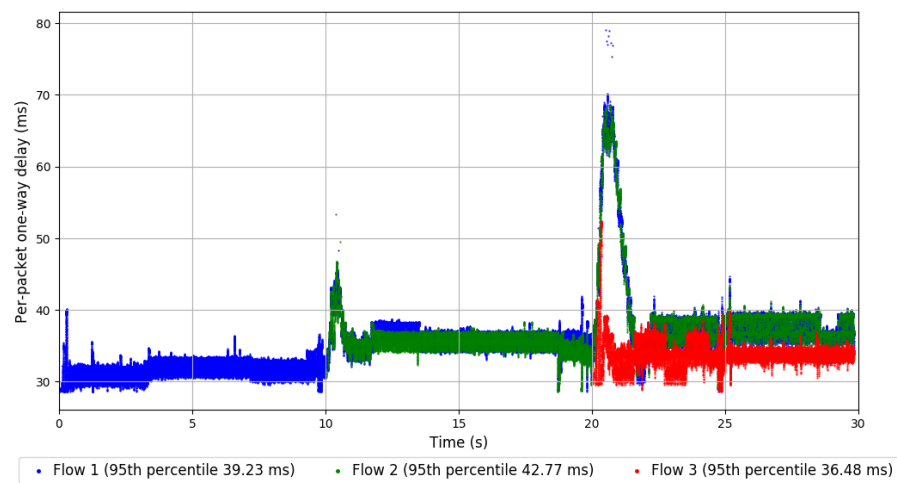
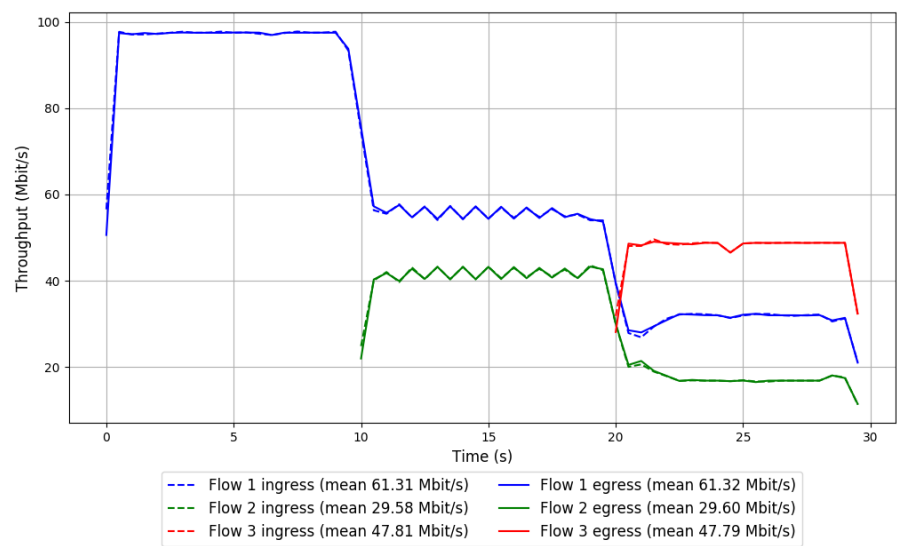


Run 7: Statistics of Indigo

Start at: 2017-12-20 07:00:37
End at: 2017-12-20 07:01:07
Local clock offset: -6.163 ms
Remote clock offset: -16.36 ms

Below is generated by plot.py at 2017-12-20 11:33:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 39.233 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 39.229 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 42.773 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 36.479 ms
Loss rate: 0.33%

Run 7: Report of Indigo — Data Link

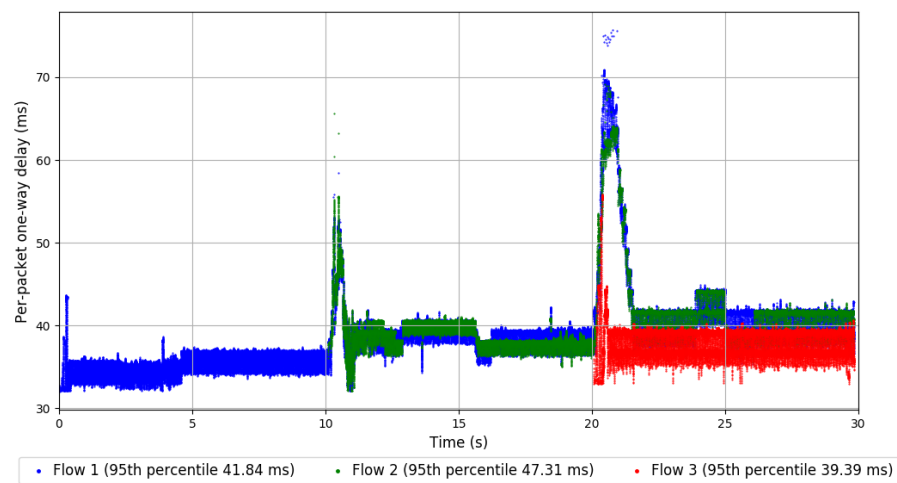
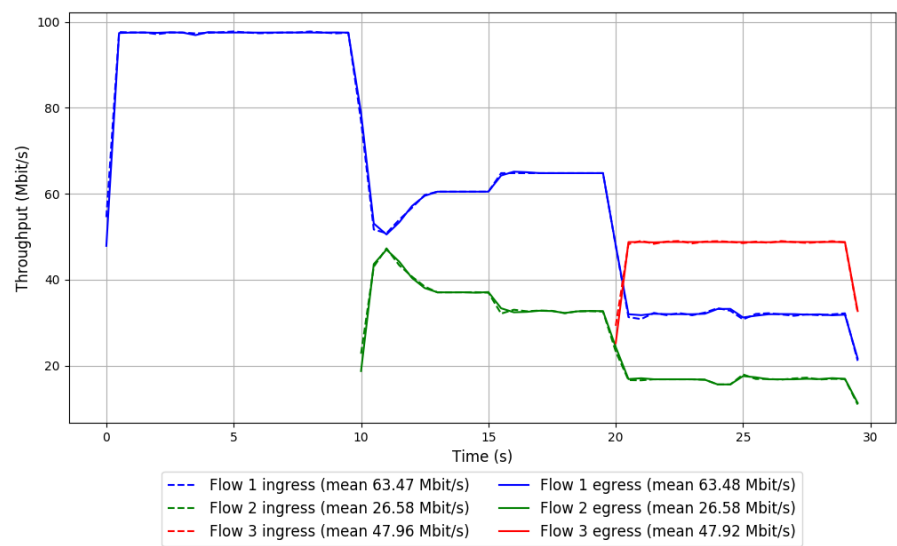


Run 8: Statistics of Indigo

Start at: 2017-12-20 07:19:44
End at: 2017-12-20 07:20:14
Local clock offset: 1.765 ms
Remote clock offset: -12.271 ms

Below is generated by plot.py at 2017-12-20 11:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 41.993 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 41.840 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.58 Mbit/s
95th percentile per-packet one-way delay: 47.315 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 39.390 ms
Loss rate: 0.34%

Run 8: Report of Indigo — Data Link

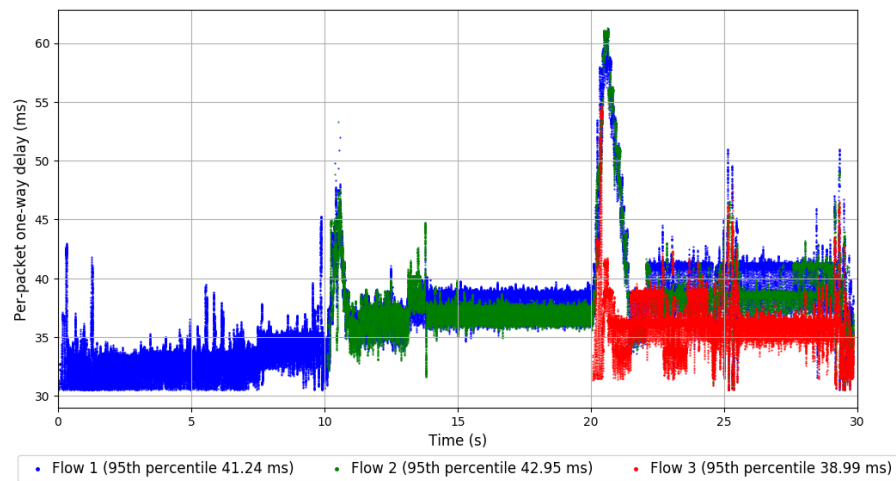
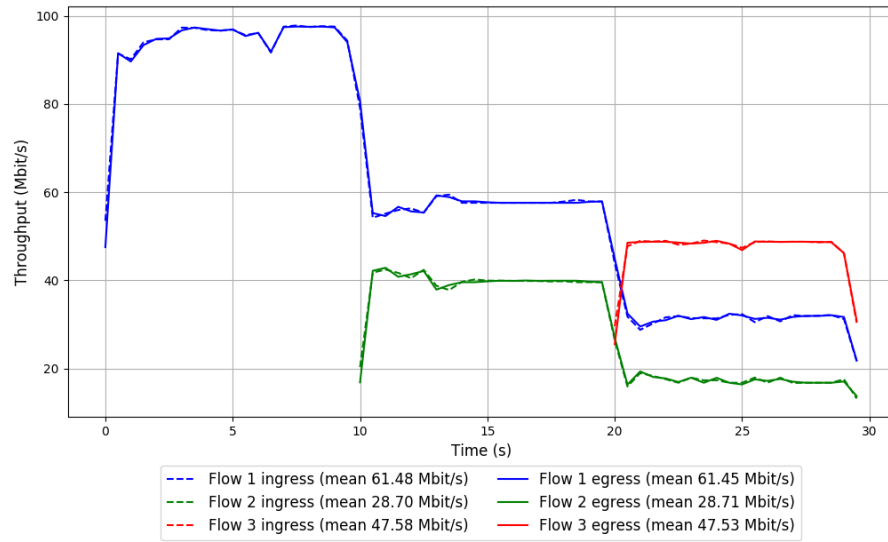


Run 9: Statistics of Indigo

Start at: 2017-12-20 07:38:48
End at: 2017-12-20 07:39:18
Local clock offset: 0.313 ms
Remote clock offset: -12.328 ms

Below is generated by plot.py at 2017-12-20 11:33:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 41.245 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 41.243 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 42.954 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 38.992 ms
Loss rate: 0.36%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-12-20 07:58:59
End at: 2017-12-20 07:59:29
Local clock offset: 3.059 ms
Remote clock offset: -12.805 ms

Below is generated by plot.py at 2017-12-20 11:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 44.220 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 44.327 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 41.051 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 40.203 ms
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link

