

Pantheon Report

Generated at 2018-01-02 14:21:03 (UTC).

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

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).

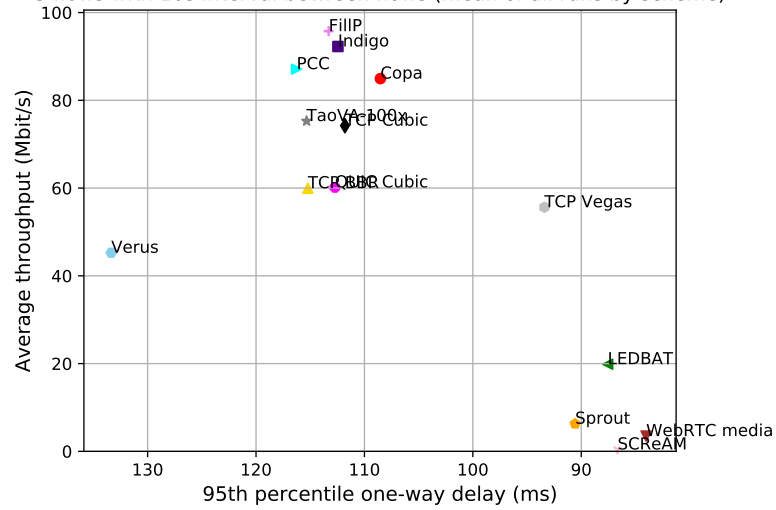
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

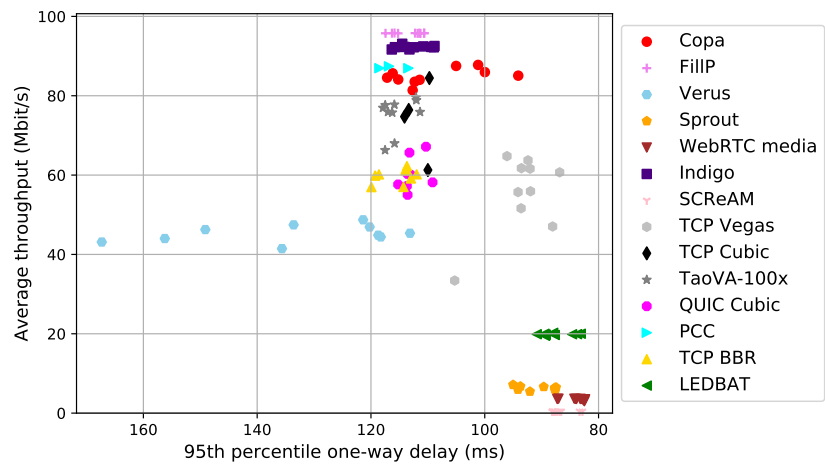
Git summary:

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



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



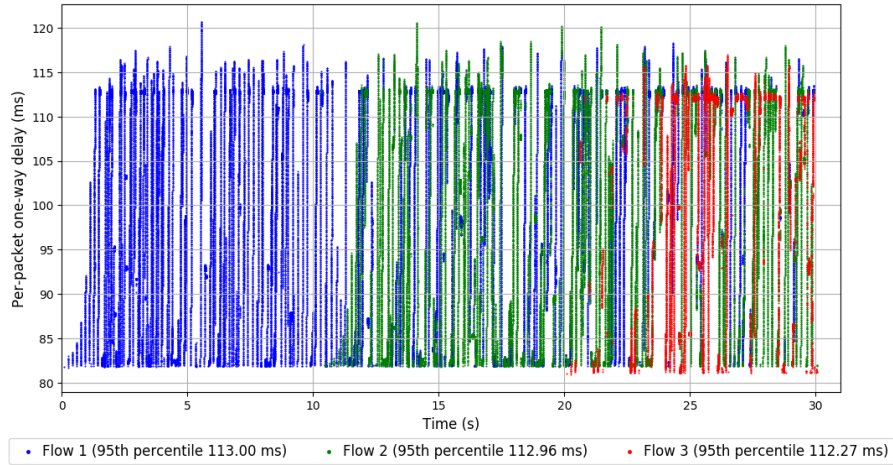
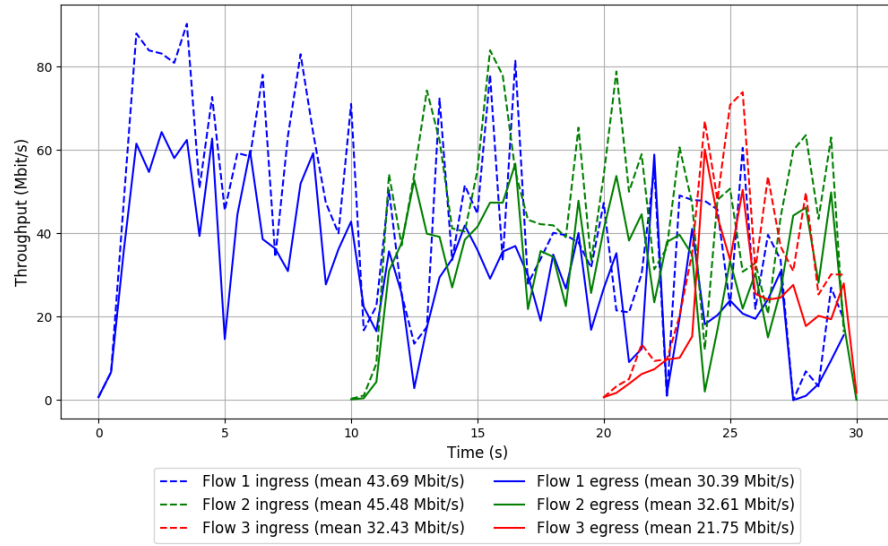
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	34.61	26.64	23.56	114.84	114.55	113.76	29.01	30.45	28.96
TCP Cubic	4	44.34	34.65	23.45	110.31	113.10	113.24	0.51	0.71	1.04
LEDBAT	10	12.89	8.48	4.09	87.01	87.29	86.94	0.01	0.00	0.01
PCC	3	78.17	9.47	8.00	116.22	116.58	115.24	3.08	6.94	4.35
QUIC Cubic	8	37.92	25.44	16.33	113.75	109.70	109.43	0.96	0.91	1.22
SCReAM	10	0.22	0.22	0.22	85.82	85.89	86.20	0.00	0.04	0.00
WebRTC media	10	1.93	1.21	0.37	83.59	82.98	83.76	0.01	0.00	0.00
Sprout	9	3.34	3.06	2.78	90.56	90.05	89.82	0.00	0.00	0.00
TaoVA-100x	10	48.12	34.18	18.55	115.21	115.24	115.15	3.89	7.85	10.84
TCP Vegas	10	26.77	27.65	31.52	92.42	95.03	93.02	0.64	1.00	1.33
Verus	10	26.85	20.99	14.36	129.42	132.00	114.60	44.11	49.65	24.17
Copa	10	77.41	8.20	8.06	107.96	108.59	108.87	5.22	11.53	6.52
FillP	10	56.00	40.50	38.85	112.82	112.41	122.58	25.04	37.50	48.25
Indigo	10	65.60	26.68	27.96	111.93	112.96	113.74	0.74	1.66	4.73

Run 1: Statistics of TCP BBR

Start at: 2018-01-02 10:47:26
End at: 2018-01-02 10:47:56
Local clock offset: -0.432 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2018-01-02 14:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 112.971 ms
Loss rate: 29.99%
-- Flow 1:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 112.996 ms
Loss rate: 30.37%
-- Flow 2:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 112.964 ms
Loss rate: 28.39%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 112.274 ms
Loss rate: 32.94%

Run 1: Report of TCP BBR — Data Link

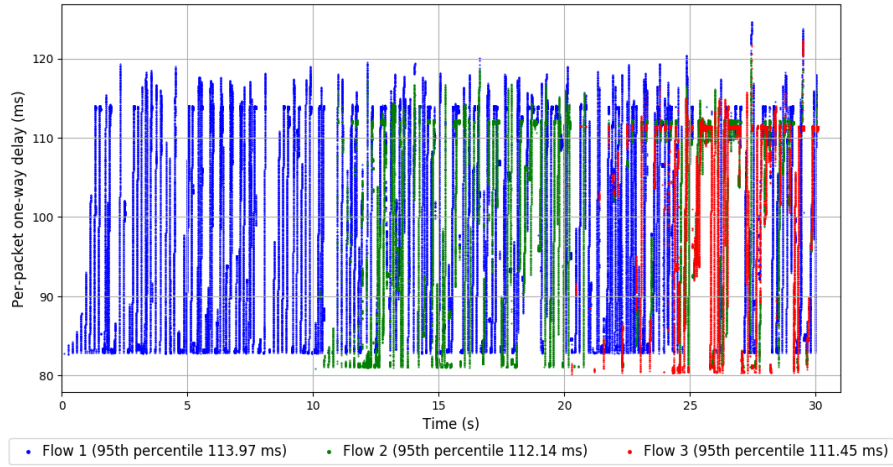
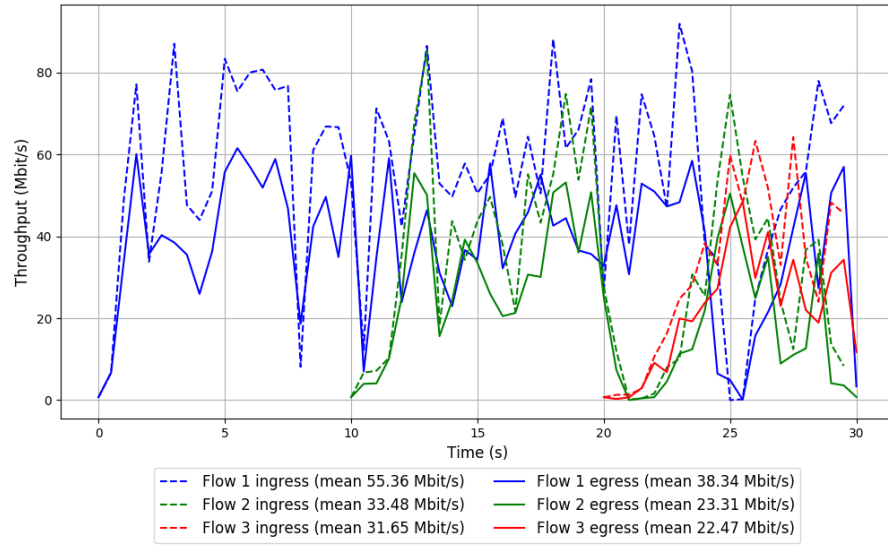


Run 2: Statistics of TCP BBR

Start at: 2018-01-02 11:06:49
End at: 2018-01-02 11:07:19
Local clock offset: -0.53 ms
Remote clock offset: -3.605 ms

Below is generated by plot.py at 2018-01-02 14:05:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 113.900 ms
Loss rate: 30.37%
-- Flow 1:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 113.968 ms
Loss rate: 30.67%
-- Flow 2:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 112.136 ms
Loss rate: 30.27%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 111.451 ms
Loss rate: 28.94%

Run 2: Report of TCP BBR — Data Link

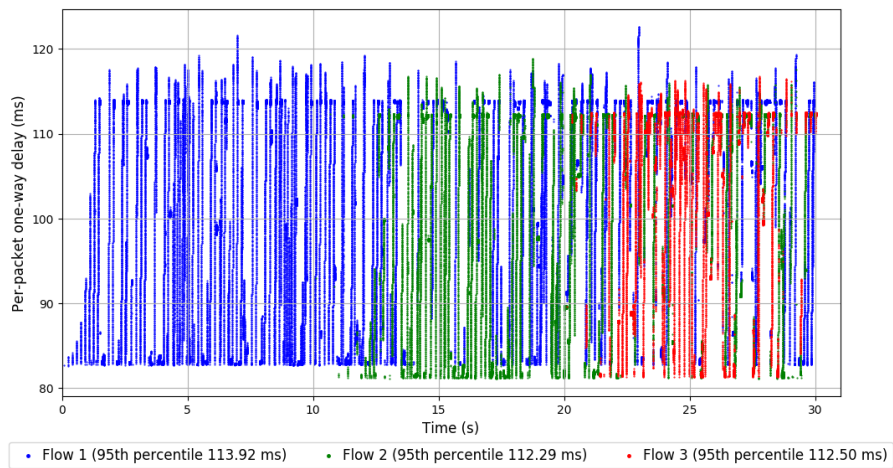
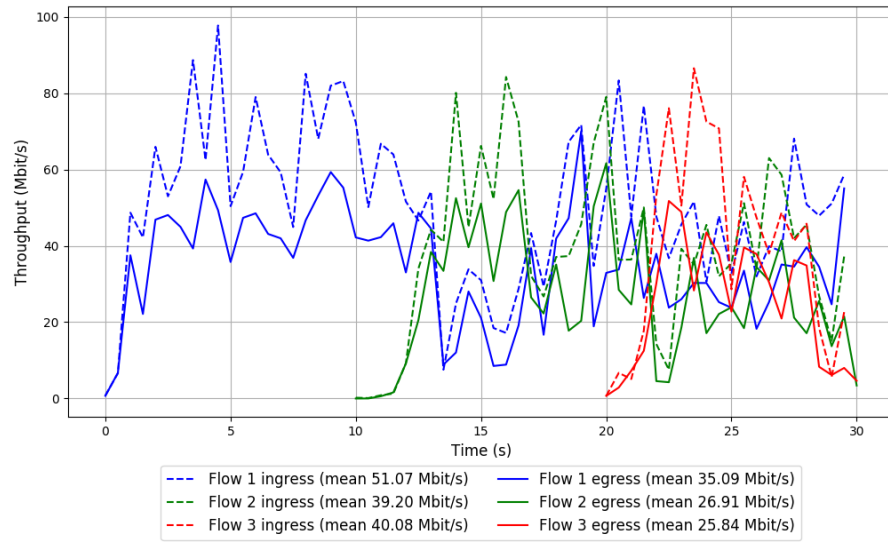


Run 3: Statistics of TCP BBR

Start at: 2018-01-02 11:26:27
End at: 2018-01-02 11:26:57
Local clock offset: -0.444 ms
Remote clock offset: -2.957 ms

Below is generated by plot.py at 2018-01-02 14:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 113.866 ms
Loss rate: 31.85%
-- Flow 1:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 113.922 ms
Loss rate: 31.22%
-- Flow 2:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 112.291 ms
Loss rate: 31.28%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 112.505 ms
Loss rate: 35.37%

Run 3: Report of TCP BBR — Data Link

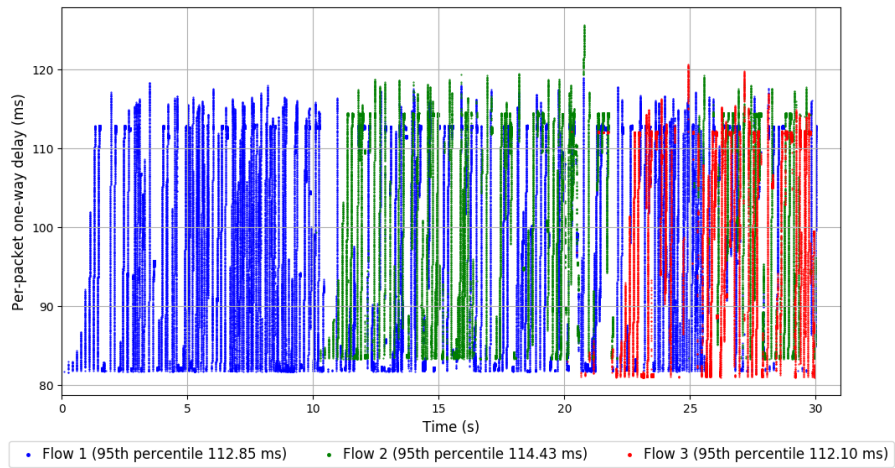
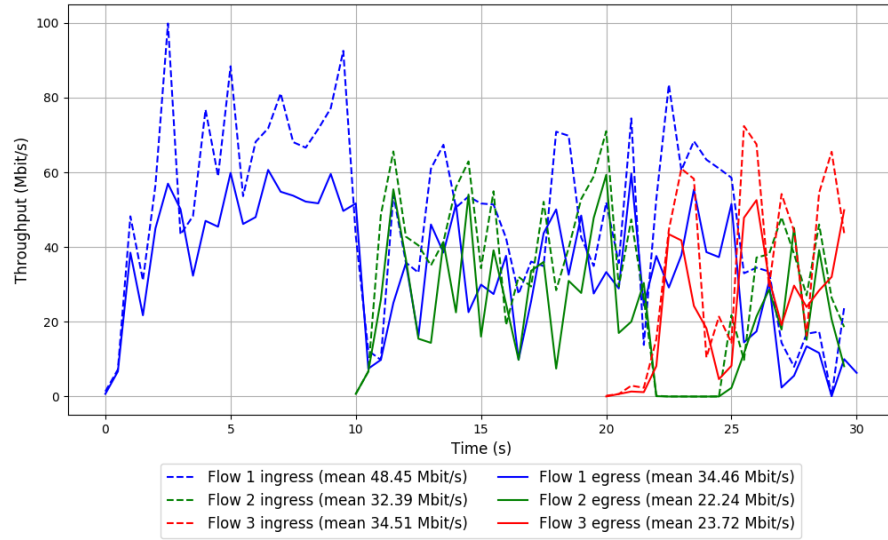


Run 4: Statistics of TCP BBR

Start at: 2018-01-02 11:45:52
End at: 2018-01-02 11:46:22
Local clock offset: -0.429 ms
Remote clock offset: -3.627 ms

Below is generated by plot.py at 2018-01-02 14:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 114.284 ms
Loss rate: 29.83%
-- Flow 1:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 112.852 ms
Loss rate: 28.80%
-- Flow 2:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 114.428 ms
Loss rate: 31.37%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 112.101 ms
Loss rate: 31.29%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-02 12:05:12

End at: 2018-01-02 12:05:42

Local clock offset: -0.478 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2018-01-02 14:05:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 119.266 ms

Loss rate: 29.07%

-- Flow 1:

Average throughput: 34.36 Mbit/s

95th percentile per-packet one-way delay: 119.324 ms

Loss rate: 27.31%

-- Flow 2:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 117.669 ms

Loss rate: 31.46%

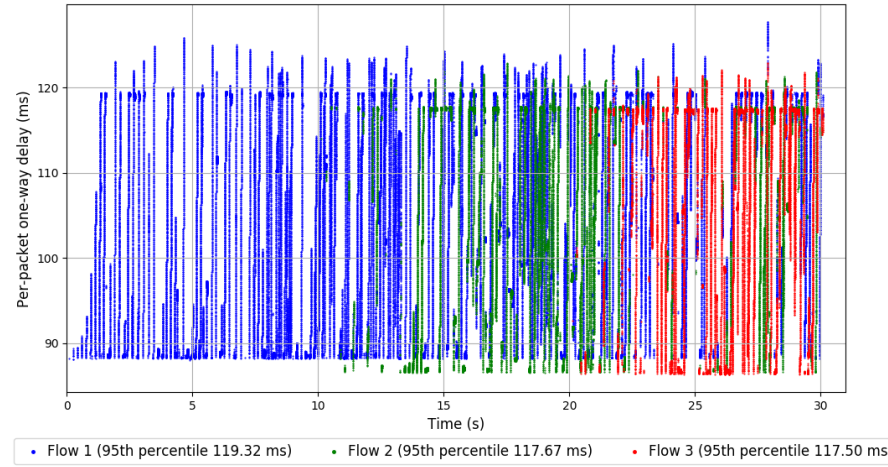
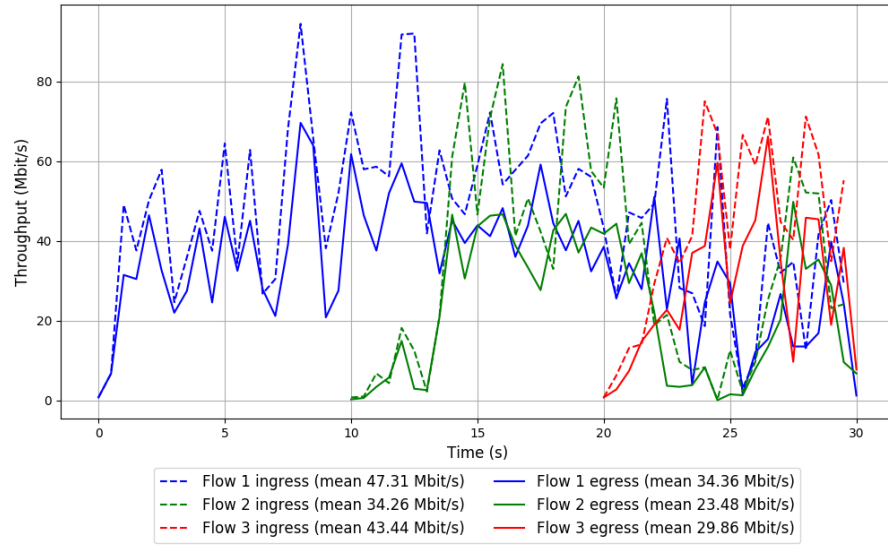
-- Flow 3:

Average throughput: 29.86 Mbit/s

95th percentile per-packet one-way delay: 117.499 ms

Loss rate: 31.11%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-02 12:24:36

End at: 2018-01-02 12:25:06

Local clock offset: -0.362 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-01-02 14:05:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.18 Mbit/s

95th percentile per-packet one-way delay: 118.604 ms

Loss rate: 28.83%

-- Flow 1:

Average throughput: 33.28 Mbit/s

95th percentile per-packet one-way delay: 118.671 ms

Loss rate: 29.43%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 116.507 ms

Loss rate: 30.25%

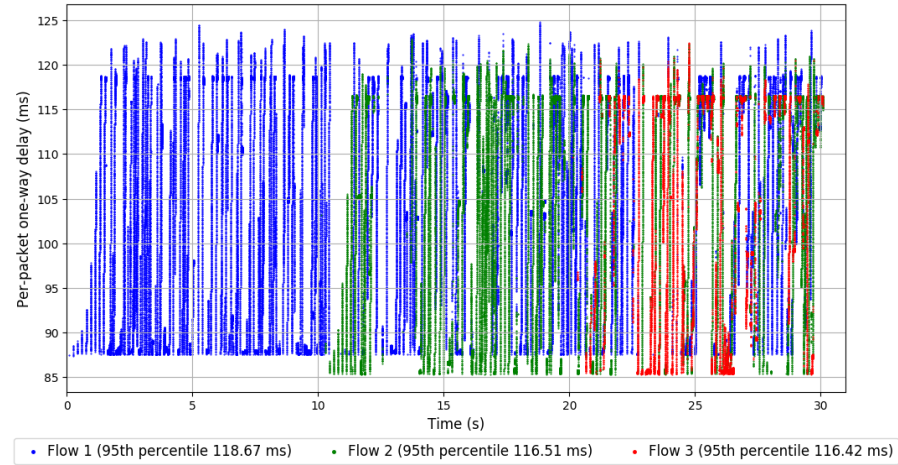
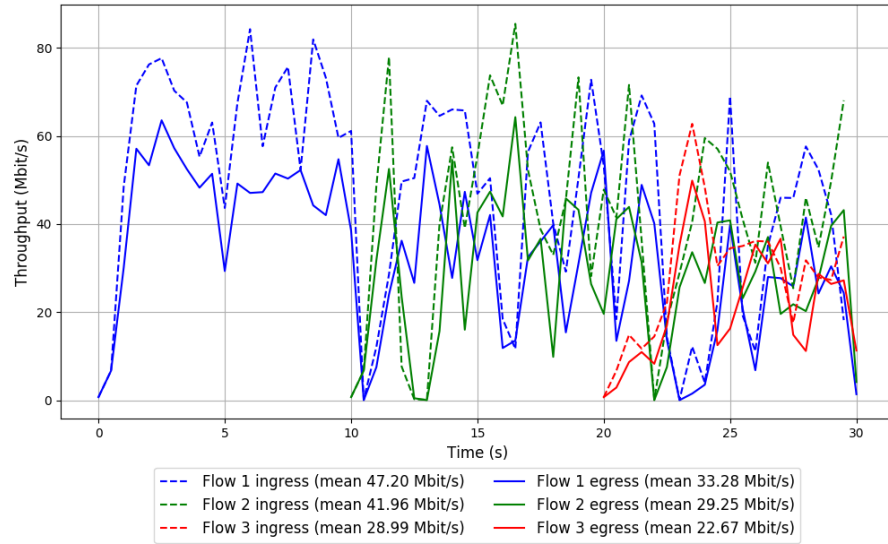
-- Flow 3:

Average throughput: 22.67 Mbit/s

95th percentile per-packet one-way delay: 116.421 ms

Loss rate: 21.76%

Run 6: Report of TCP BBR — Data Link

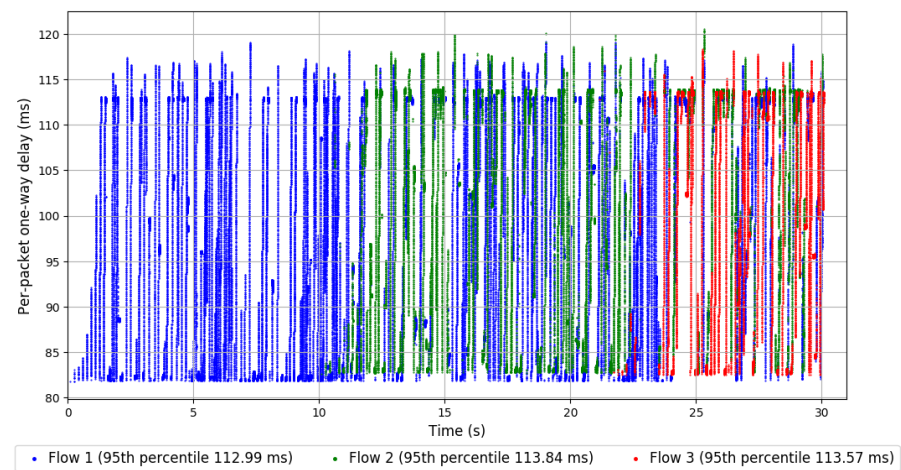
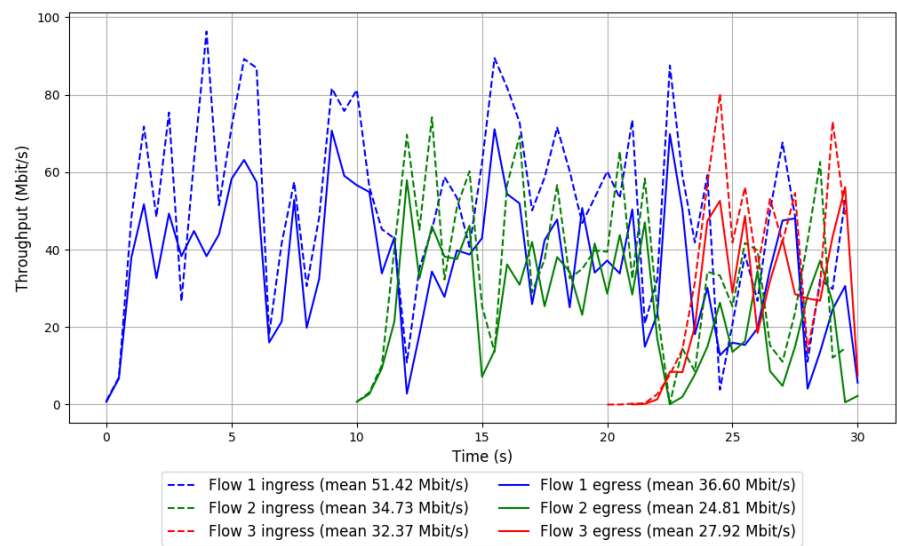


Run 7: Statistics of TCP BBR

Start at: 2018-01-02 12:43:03
End at: 2018-01-02 12:43:33
Local clock offset: -0.315 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-01-02 14:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 113.735 ms
Loss rate: 27.88%
-- Flow 1:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 112.990 ms
Loss rate: 28.75%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 113.837 ms
Loss rate: 28.44%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 113.571 ms
Loss rate: 22.53%

Run 7: Report of TCP BBR — Data Link

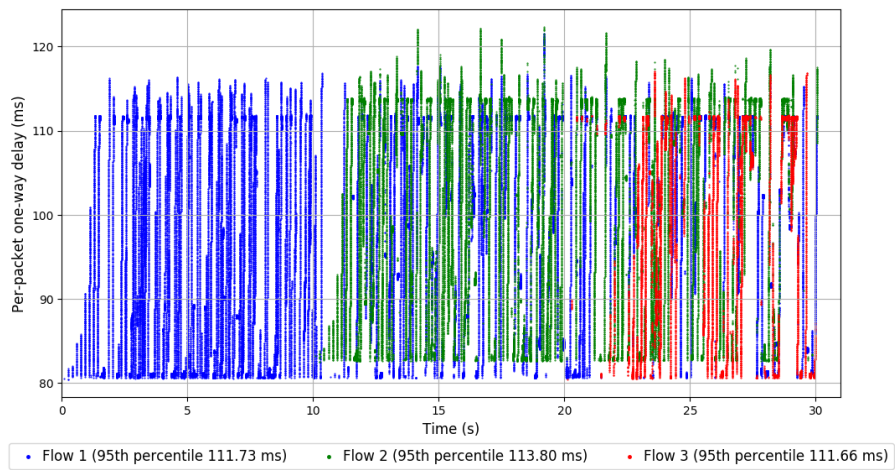
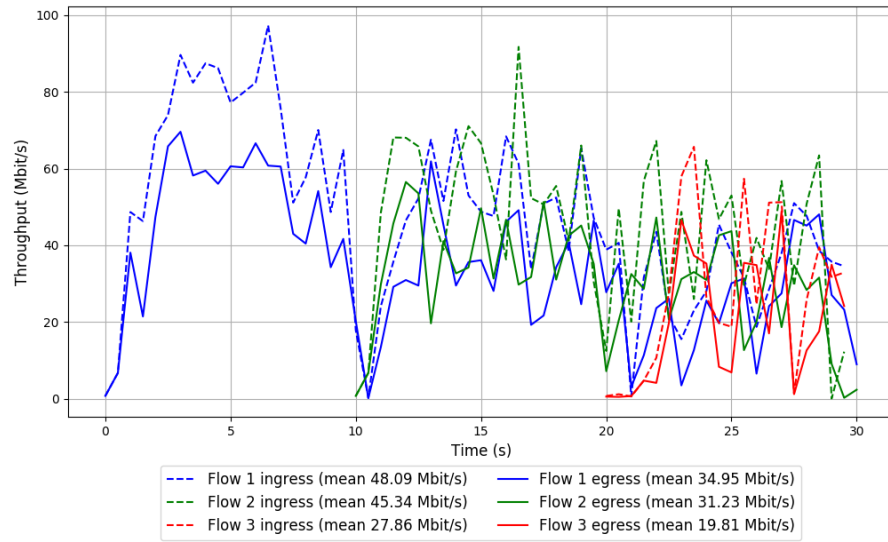


Run 8: Statistics of TCP BBR

Start at: 2018-01-02 13:02:32
End at: 2018-01-02 13:03:02
Local clock offset: -0.225 ms
Remote clock offset: -4.652 ms

Below is generated by plot.py at 2018-01-02 14:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 113.680 ms
Loss rate: 28.72%
-- Flow 1:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 111.728 ms
Loss rate: 27.25%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 31.01%
-- Flow 3:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 111.659 ms
Loss rate: 28.85%

Run 8: Report of TCP BBR — Data Link

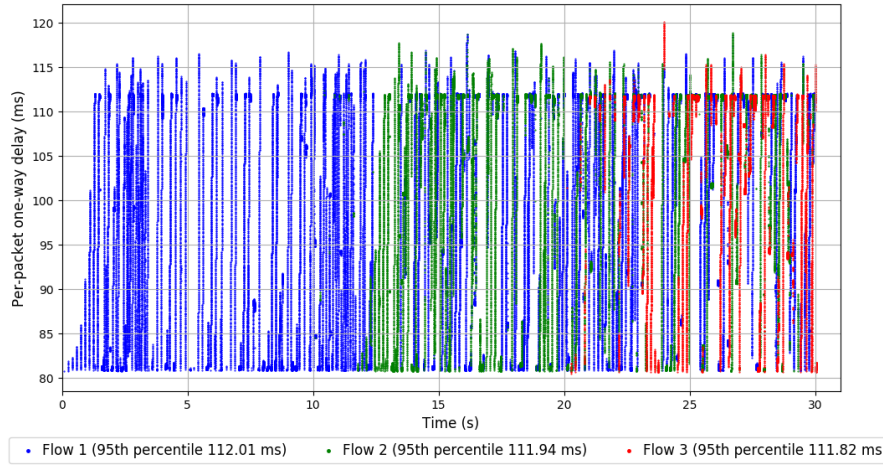
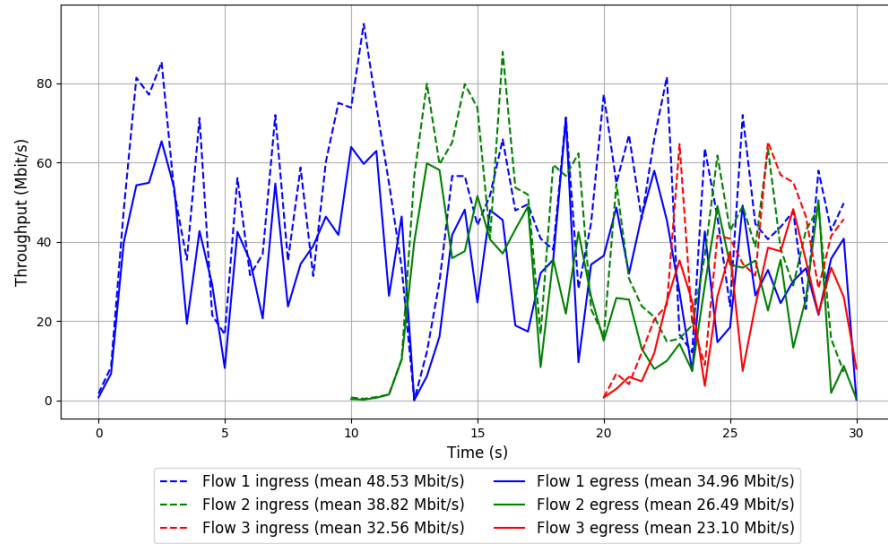


Run 9: Statistics of TCP BBR

Start at: 2018-01-02 13:22:03
End at: 2018-01-02 13:22:33
Local clock offset: -0.003 ms
Remote clock offset: -4.812 ms

Below is generated by plot.py at 2018-01-02 14:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 111.978 ms
Loss rate: 29.23%
-- Flow 1:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 112.006 ms
Loss rate: 27.89%
-- Flow 2:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 31.77%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 29.19%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-02 13:41:25

End at: 2018-01-02 13:41:55

Local clock offset: 0.184 ms

Remote clock offset: 1.345 ms

Below is generated by plot.py at 2018-01-02 14:06:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.97 Mbit/s

95th percentile per-packet one-way delay: 119.921 ms

Loss rate: 28.92%

-- Flow 1:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 119.894 ms

Loss rate: 28.45%

-- Flow 2:

Average throughput: 26.06 Mbit/s

95th percentile per-packet one-way delay: 119.964 ms

Loss rate: 30.23%

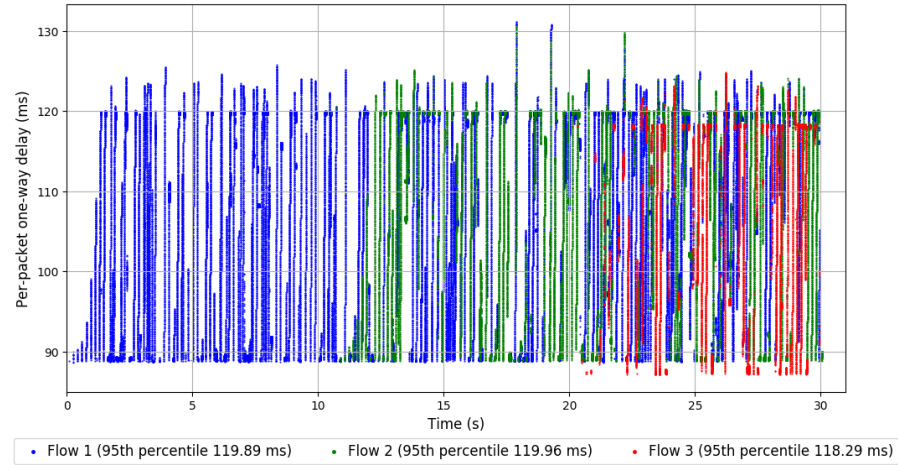
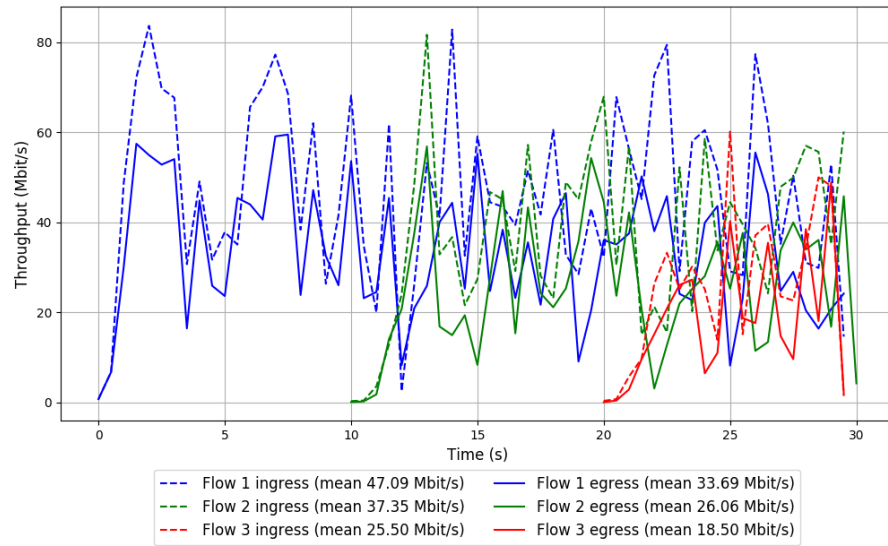
-- Flow 3:

Average throughput: 18.50 Mbit/s

95th percentile per-packet one-way delay: 118.289 ms

Loss rate: 27.65%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-02 10:33:03

End at: 2018-01-02 10:33:33

Local clock offset: -0.375 ms

Remote clock offset: 2.682 ms

Below is generated by plot.py at 2018-01-02 14:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.73 Mbit/s

95th percentile per-packet one-way delay: 114.100 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 36.42 Mbit/s

95th percentile per-packet one-way delay: 112.565 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 48.93 Mbit/s

95th percentile per-packet one-way delay: 115.345 ms

Loss rate: 0.45%

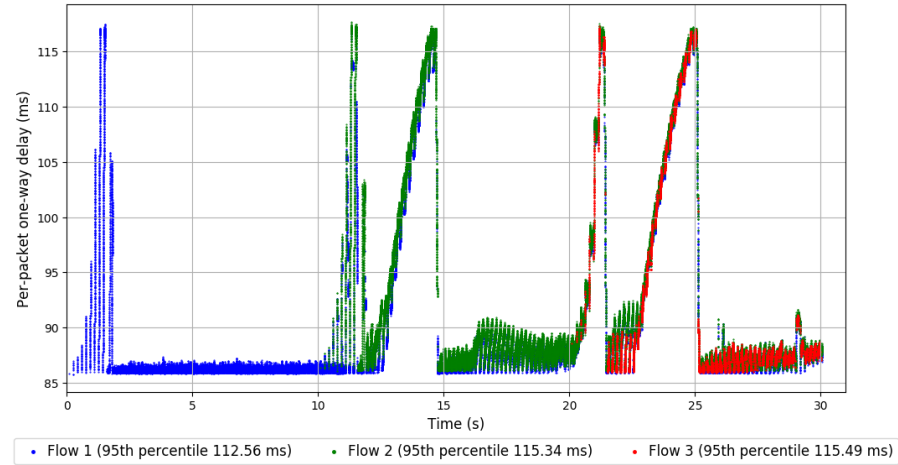
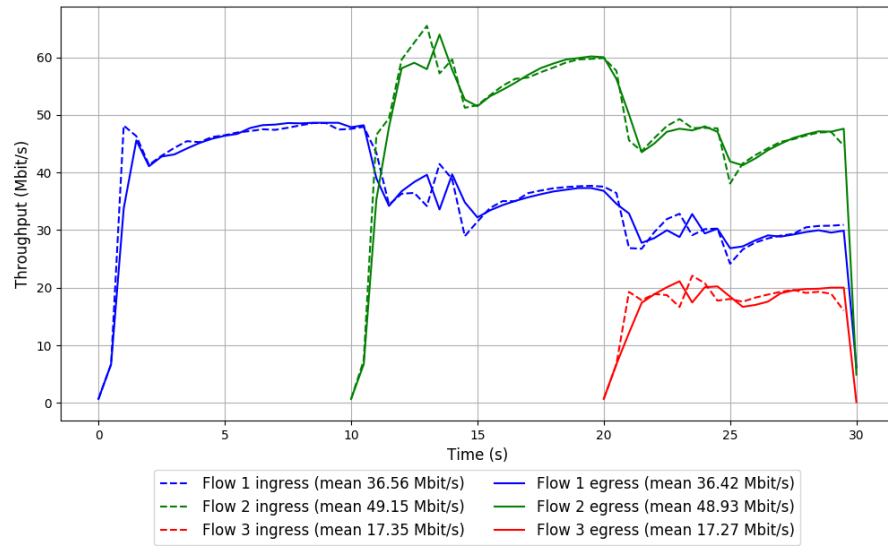
-- Flow 3:

Average throughput: 17.27 Mbit/s

95th percentile per-packet one-way delay: 115.489 ms

Loss rate: 0.46%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

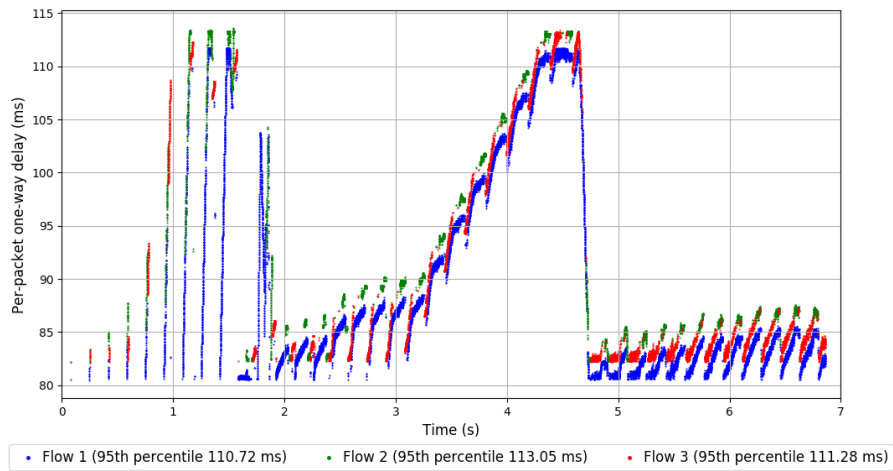
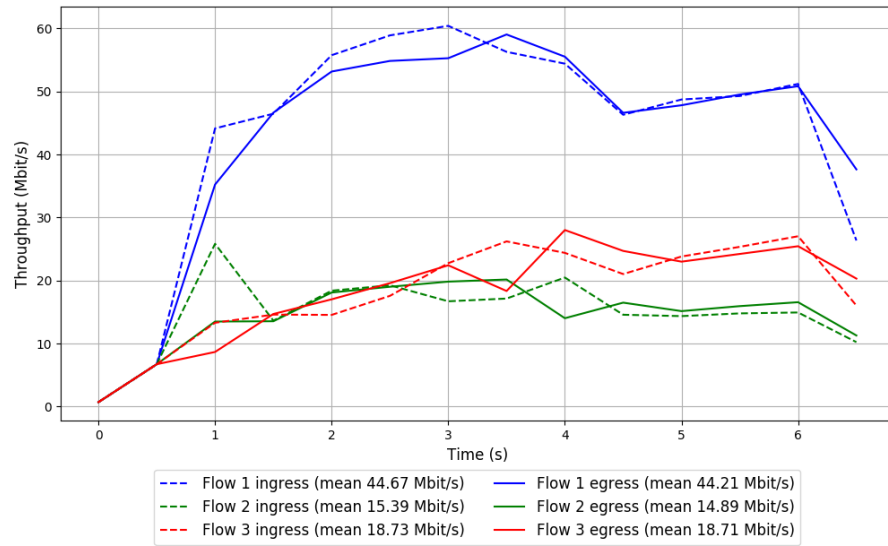
Start at: 2018-01-02 10:52:34

End at: 2018-01-02 10:53:04

Local clock offset: -0.457 ms

Remote clock offset: -3.412 ms

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-02 11:12:06

End at: 2018-01-02 11:12:36

Local clock offset: -0.455 ms

Remote clock offset: 1.629 ms

Below is generated by plot.py at 2018-01-02 14:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 113.363 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 112.402 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 113.506 ms

Loss rate: 0.55%

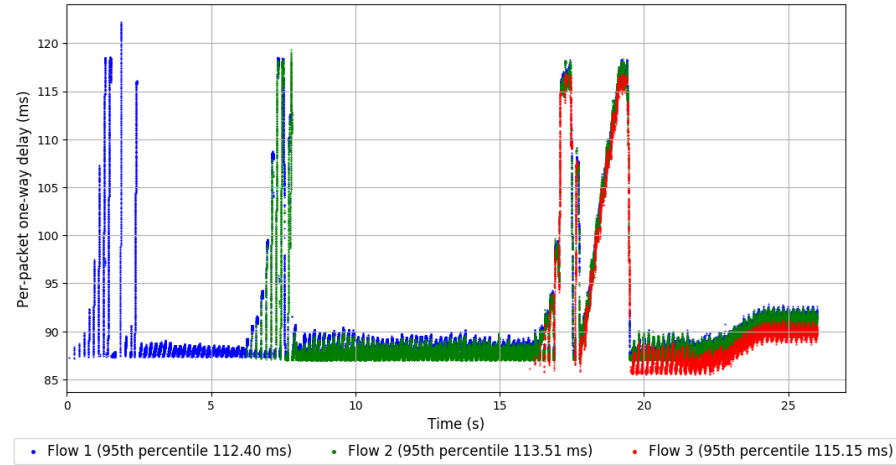
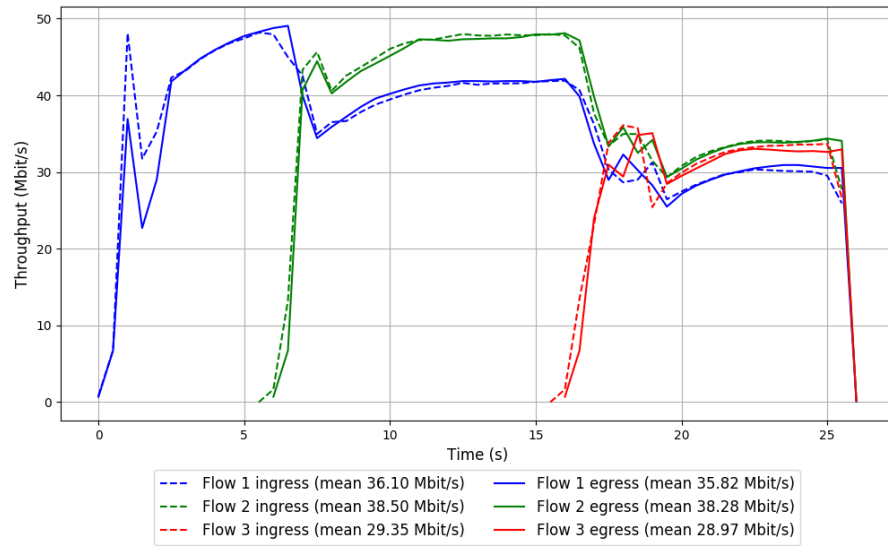
-- Flow 3:

Average throughput: 28.97 Mbit/s

95th percentile per-packet one-way delay: 115.148 ms

Loss rate: 1.25%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

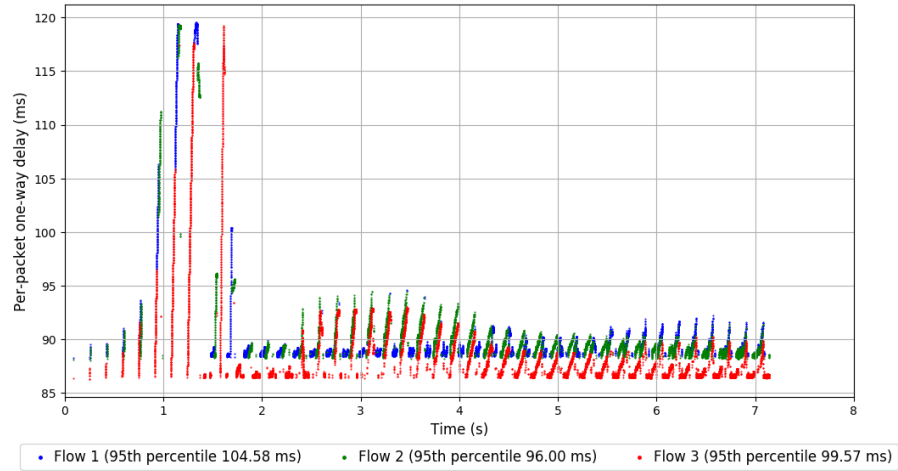
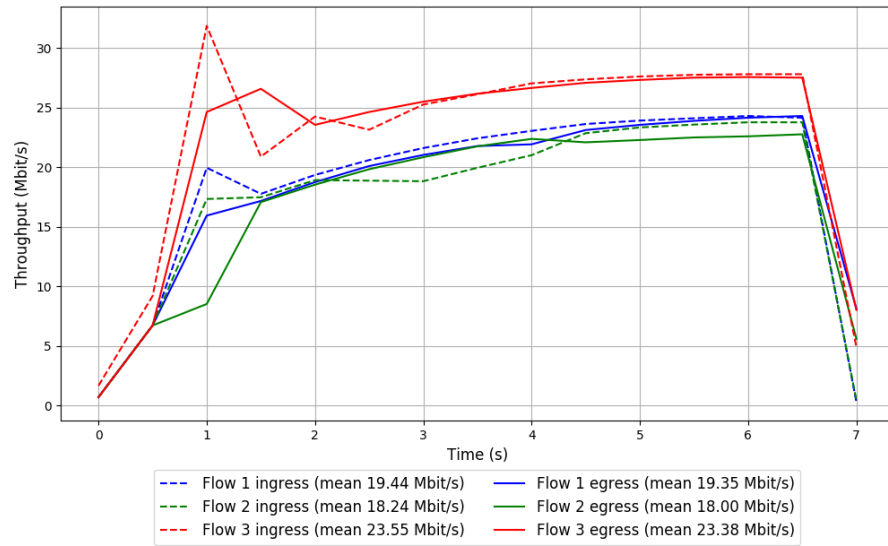
Start at: 2018-01-02 11:31:37

End at: 2018-01-02 11:32:07

Local clock offset: -0.516 ms

Remote clock offset: 2.173 ms

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

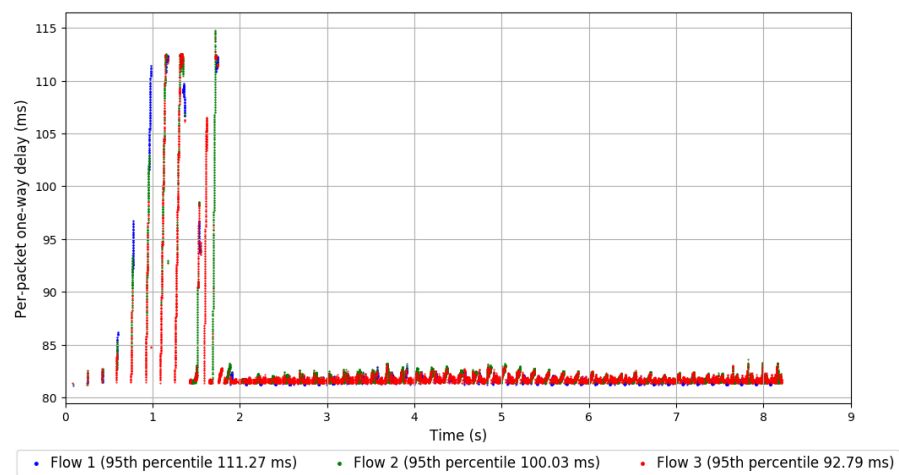
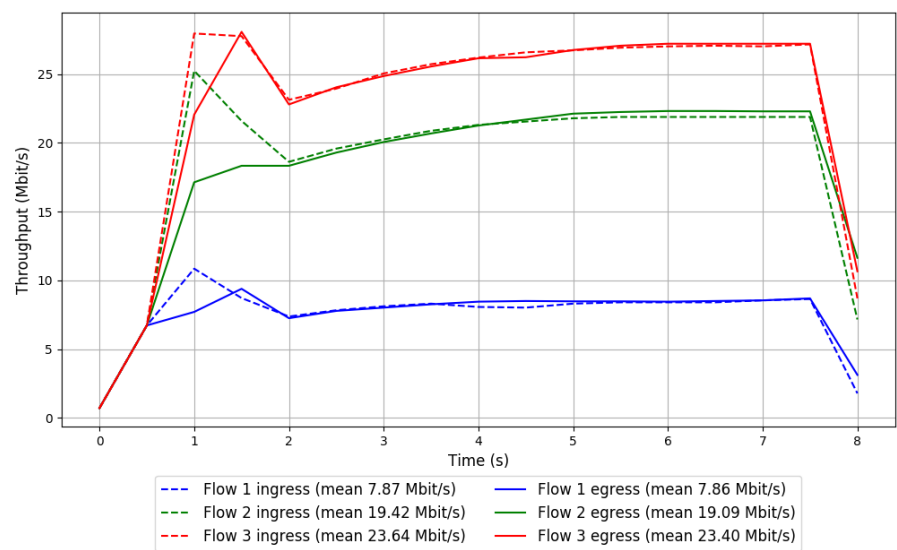
Start at: 2018-01-02 11:50:59

End at: 2018-01-02 11:51:29

Local clock offset: -0.413 ms

Remote clock offset: -3.336 ms

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

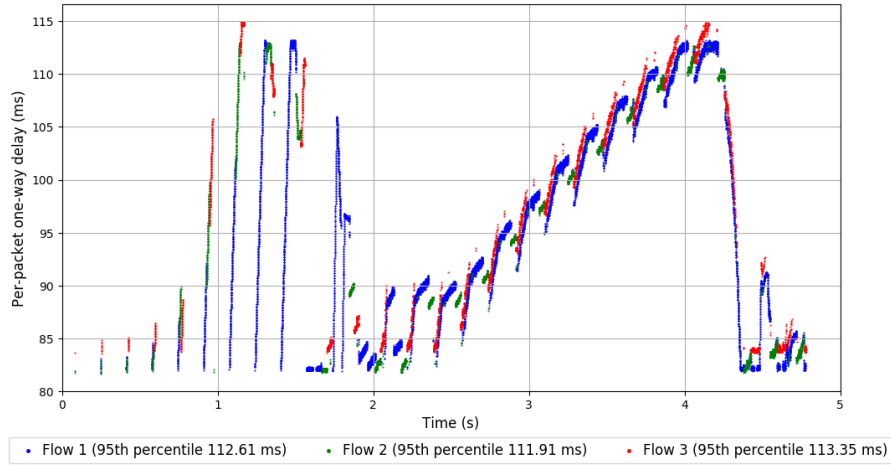
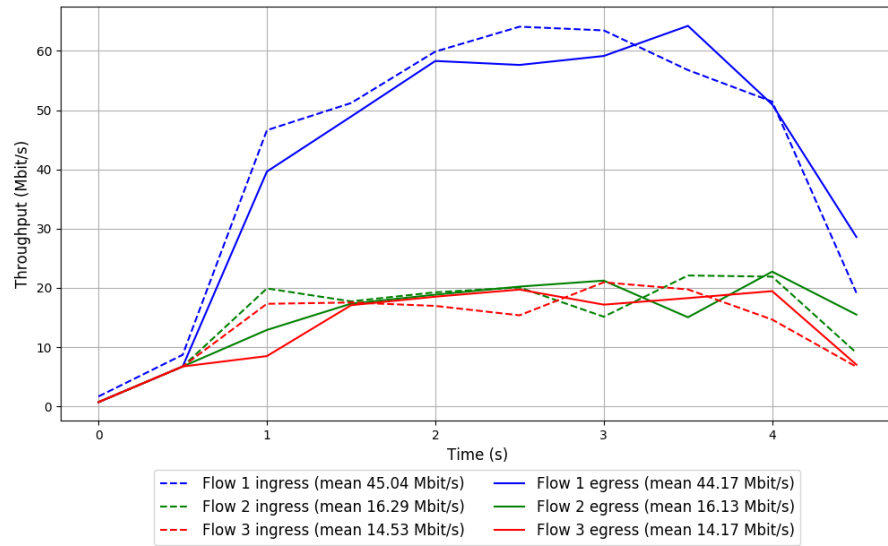
Start at: 2018-01-02 12:10:19

End at: 2018-01-02 12:10:49

Local clock offset: -0.49 ms

Remote clock offset: -3.253 ms

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

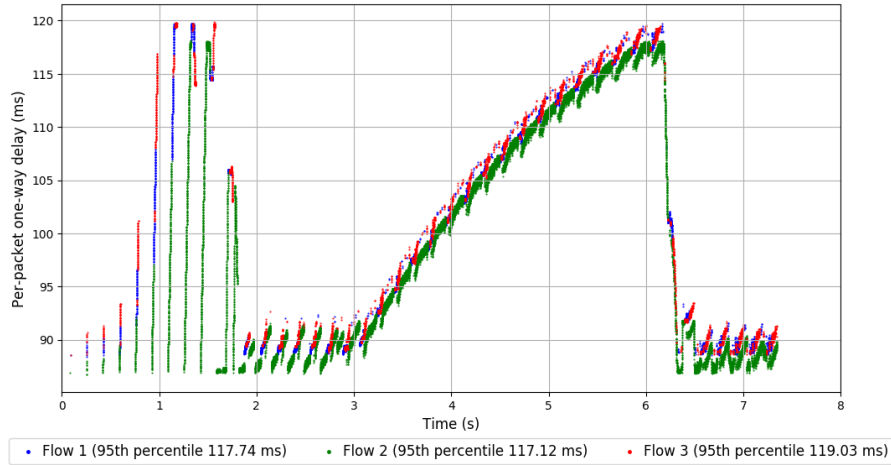
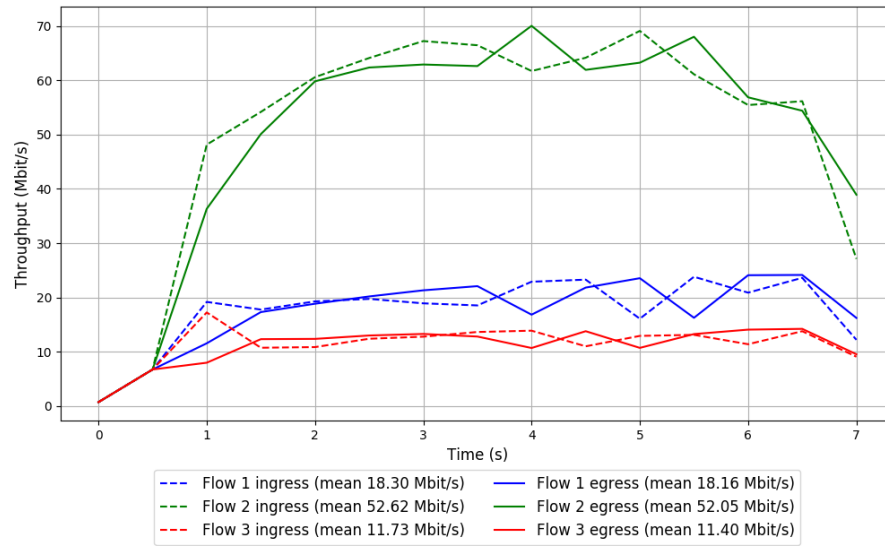
Start at: 2018-01-02 12:29:45

End at: 2018-01-02 12:30:15

Local clock offset: -0.371 ms

Remote clock offset: 1.91 ms

Run 7: Report of TCP Cubic — Data Link

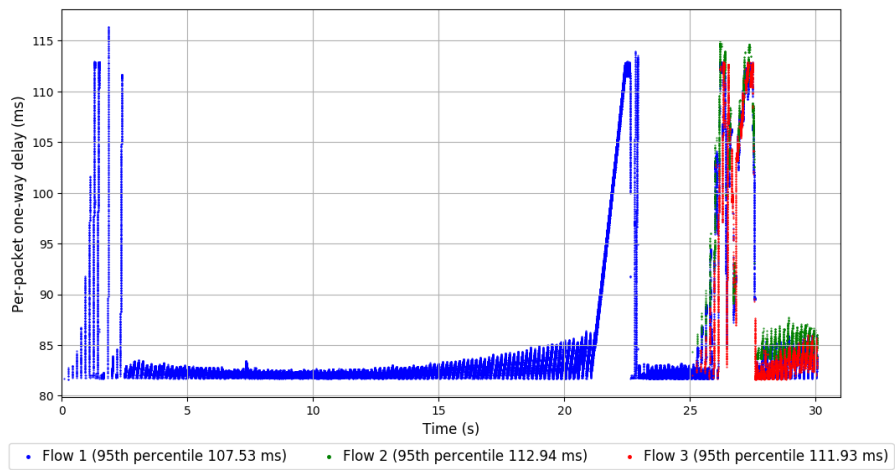
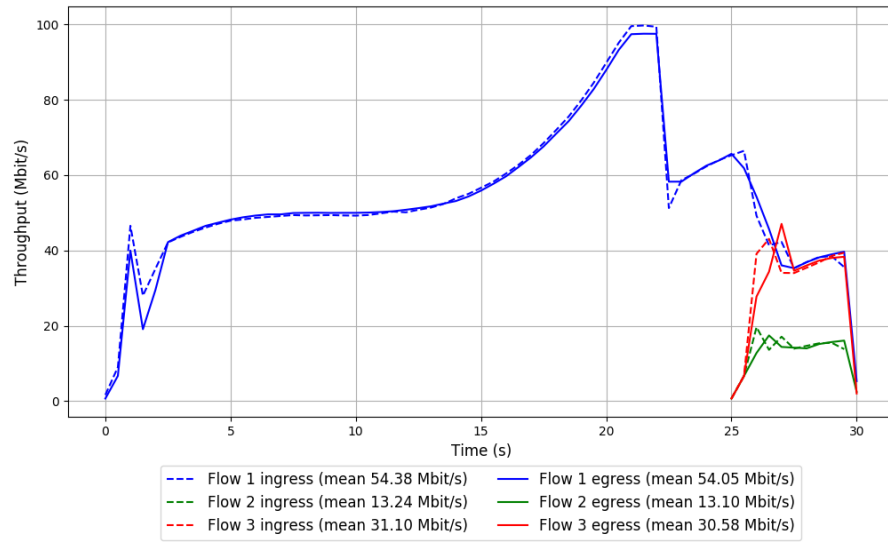


Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 12:48:10
End at: 2018-01-02 12:48:40
Local clock offset: -0.279 ms
Remote clock offset: -3.441 ms

Below is generated by plot.py at 2018-01-02 14:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 109.995 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 107.533 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 112.940 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 111.928 ms
Loss rate: 1.63%

Run 8: Report of TCP Cubic — Data Link

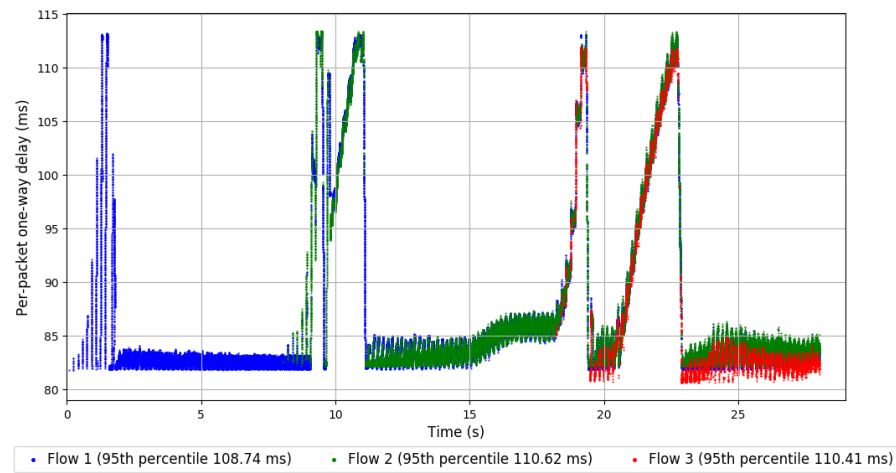
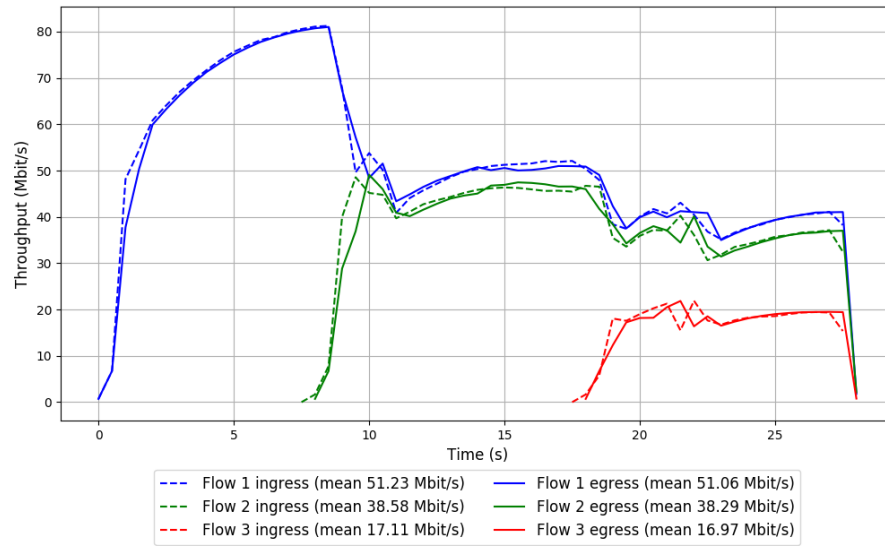


Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 13:07:42
End at: 2018-01-02 13:08:12
Local clock offset: -0.163 ms
Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-01-02 14:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 109.731 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 108.738 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 110.622 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 110.410 ms
Loss rate: 0.82%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

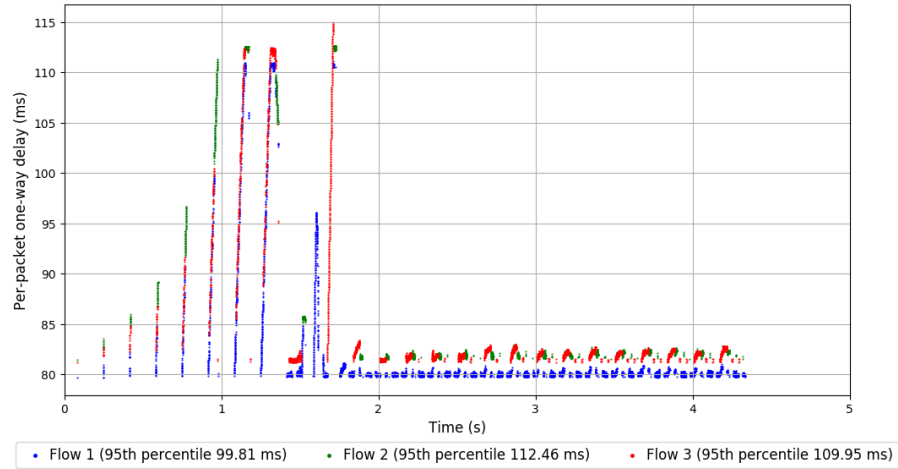
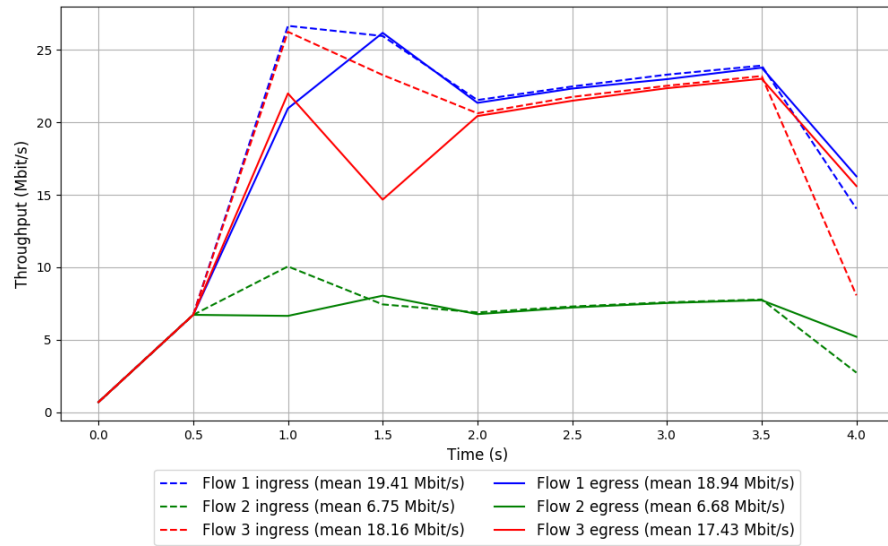
Start at: 2018-01-02 13:27:11

End at: 2018-01-02 13:27:41

Local clock offset: 0.052 ms

Remote clock offset: -5.695 ms

Run 10: Report of TCP Cubic — Data Link

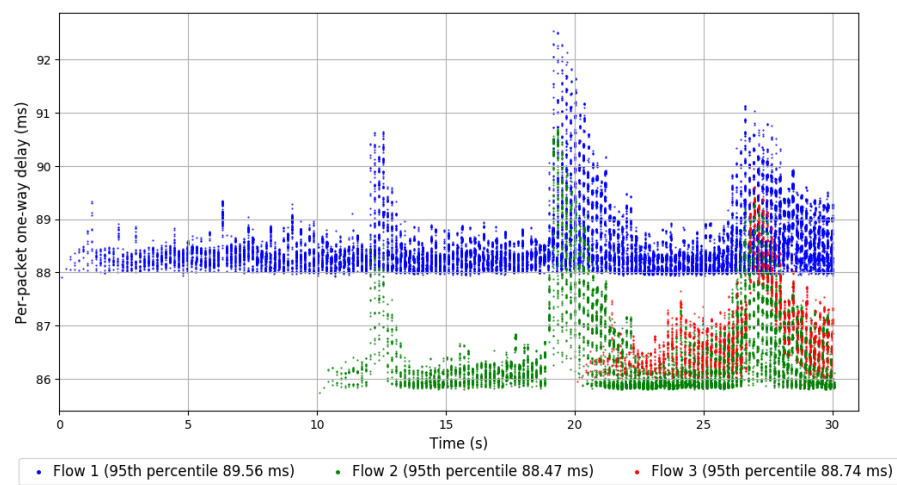
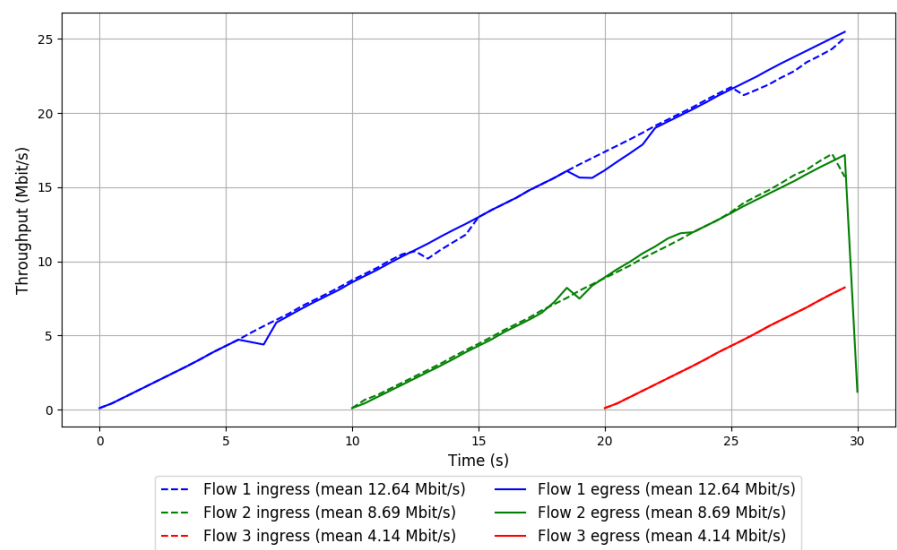


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-02 10:40:57
End at: 2018-01-02 10:41:27
Local clock offset: -0.469 ms
Remote clock offset: 2.502 ms

# Below is generated by plot.py at 2018-01-02 14:07:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 89.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 89.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 88.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 88.737 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

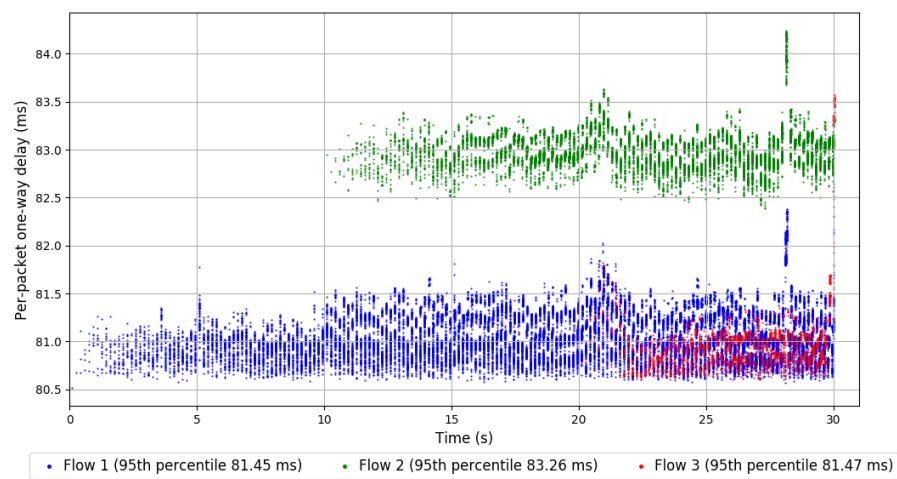
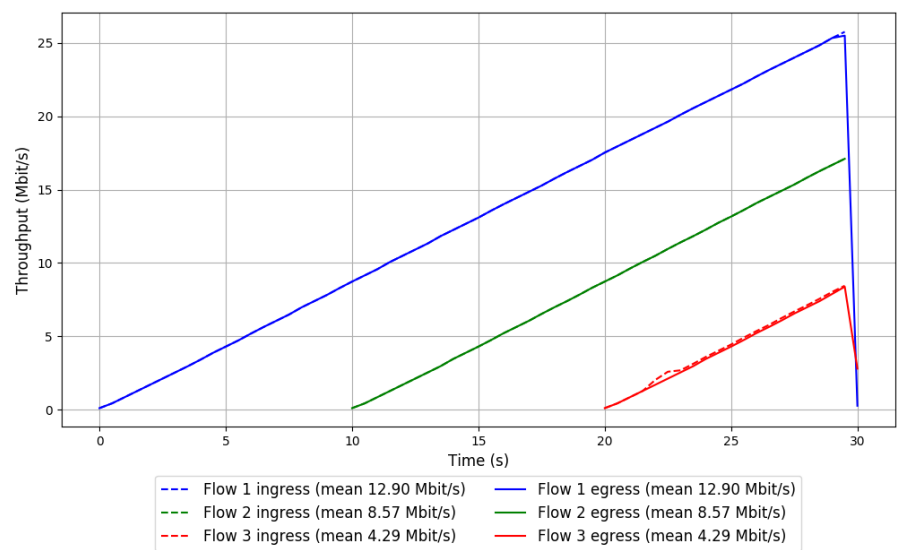


Run 2: Statistics of LEDBAT

Start at: 2018-01-02 11:00:21
End at: 2018-01-02 11:00:51
Local clock offset: -0.478 ms
Remote clock offset: -3.186 ms

Below is generated by plot.py at 2018-01-02 14:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 83.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 81.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 83.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 81.468 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

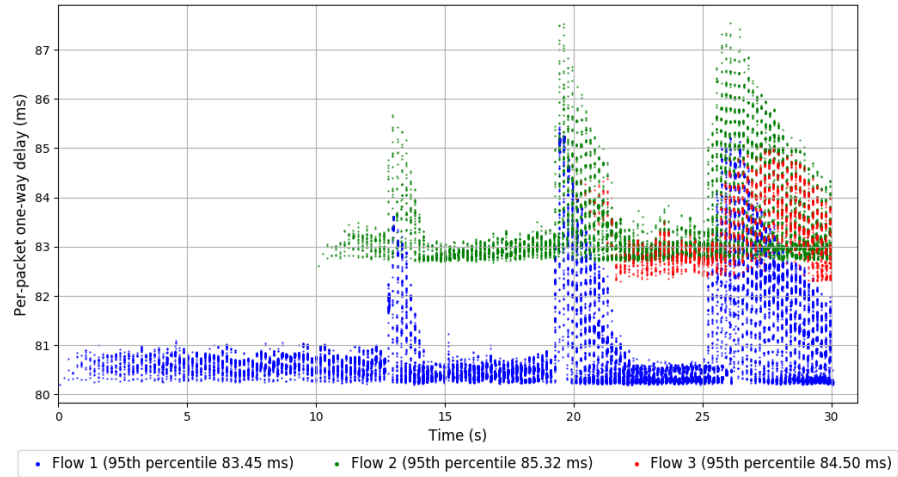
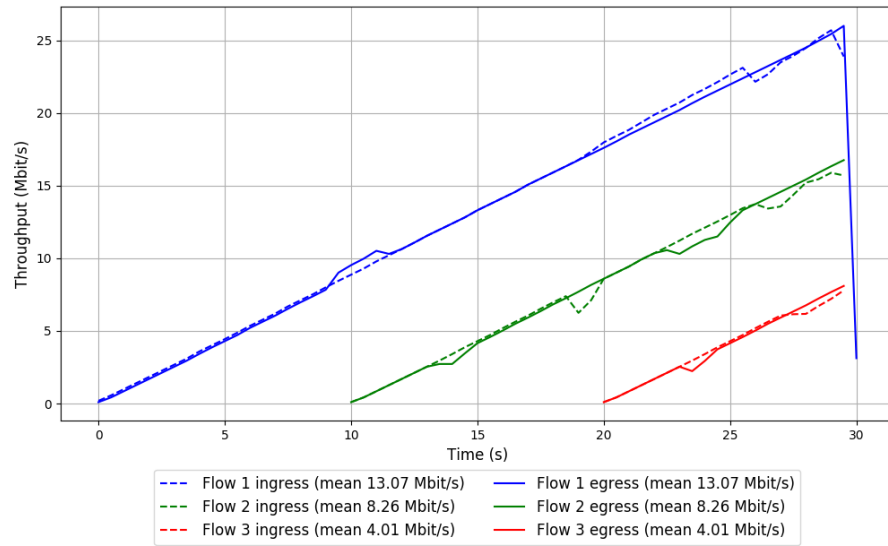


Run 3: Statistics of LEDBAT

Start at: 2018-01-02 11:20:01
End at: 2018-01-02 11:20:31
Local clock offset: -0.456 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-01-02 14:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 84.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 83.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 85.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 84.500 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-02 11:39:25

End at: 2018-01-02 11:39:55

Local clock offset: -0.501 ms

Remote clock offset: 2.097 ms

Below is generated by plot.py at 2018-01-02 14:07:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 89.508 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 89.001 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 89.273 ms

Loss rate: 0.00%

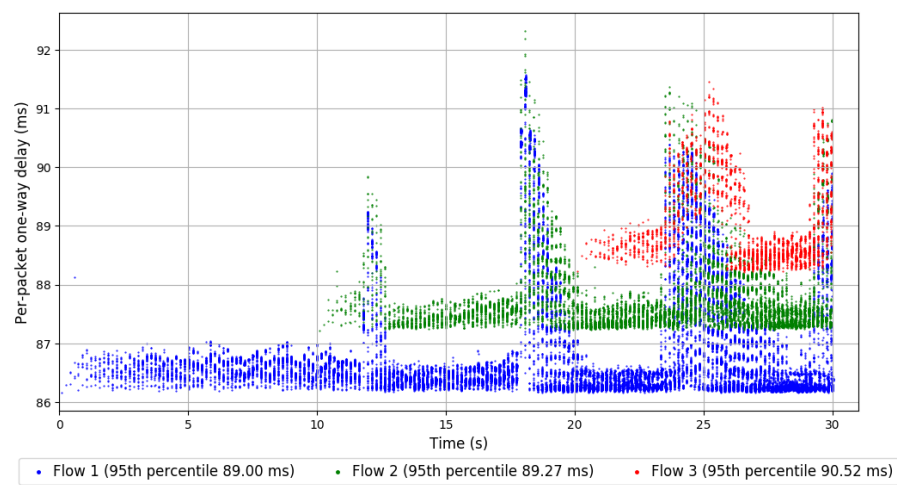
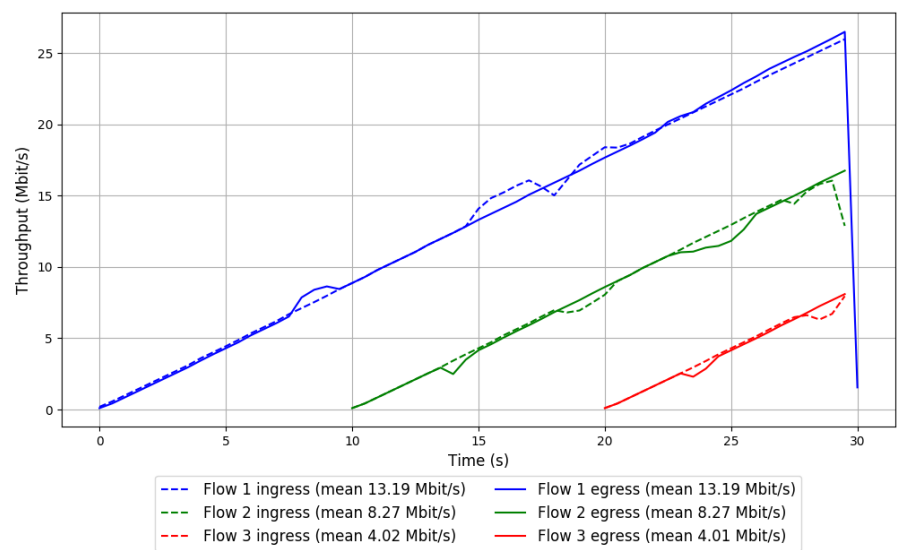
-- Flow 3:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 90.515 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-02 11:58:47

End at: 2018-01-02 11:59:17

Local clock offset: -0.418 ms

Remote clock offset: 1.427 ms

Below is generated by plot.py at 2018-01-02 14:07:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 89.297 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 87.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 89.351 ms

Loss rate: 0.02%

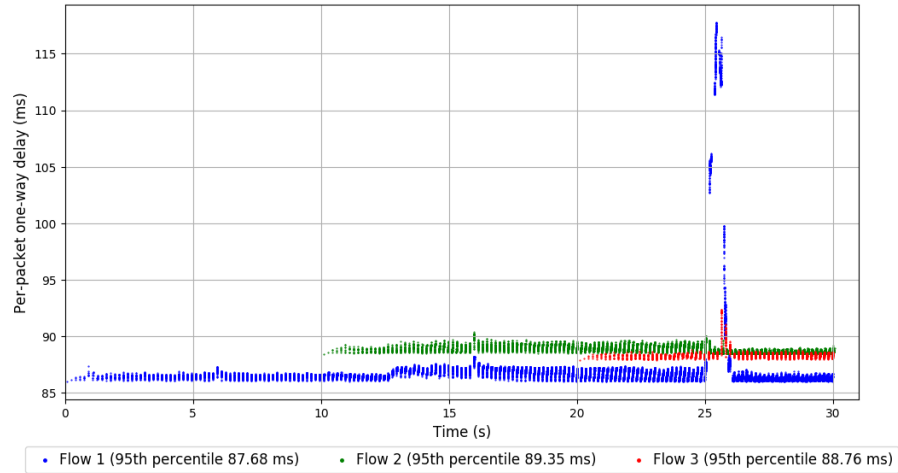
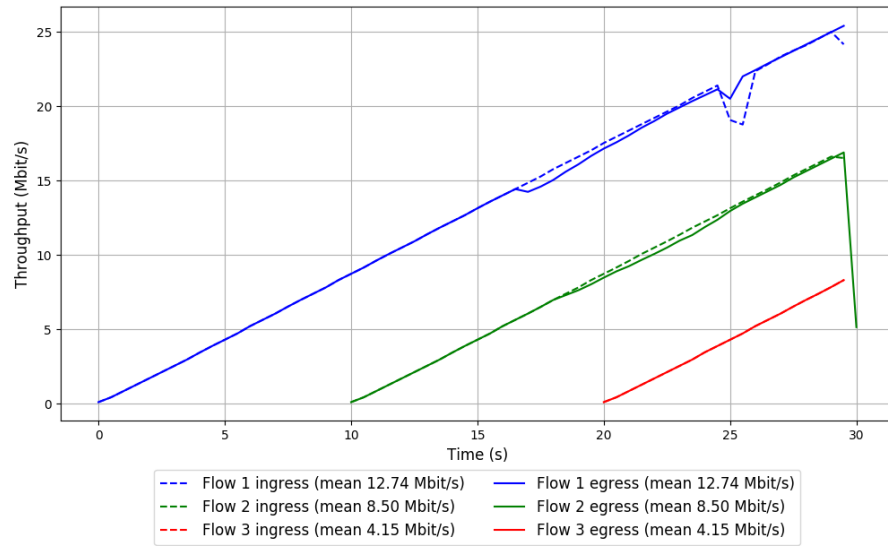
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 88.760 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-02 12:18:07

End at: 2018-01-02 12:18:37

Local clock offset: -0.448 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-01-02 14:07:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.69 Mbit/s

95th percentile per-packet one-way delay: 87.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.90 Mbit/s

95th percentile per-packet one-way delay: 87.947 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 87.453 ms

Loss rate: 0.00%

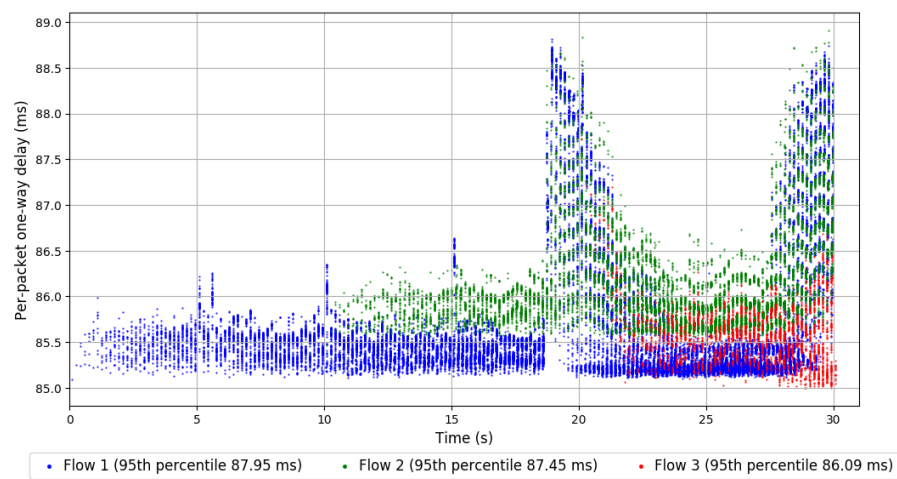
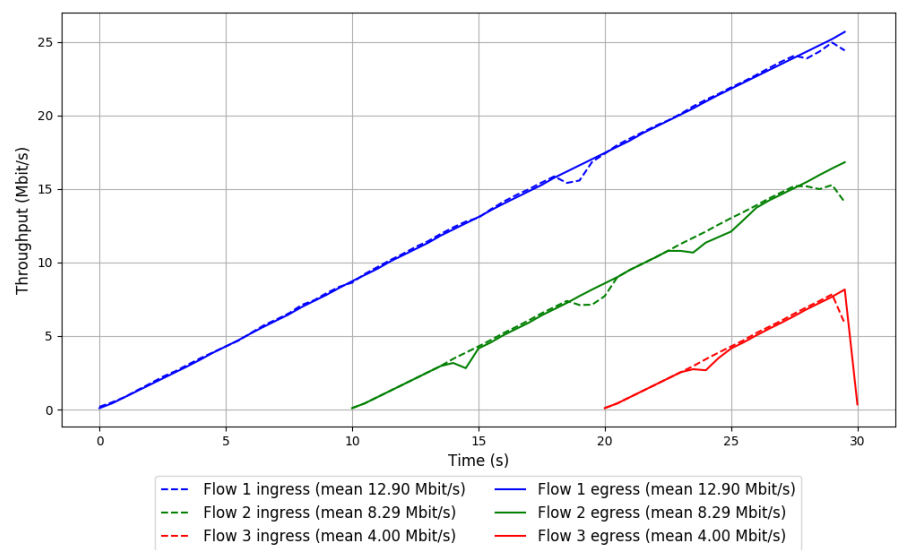
-- Flow 3:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 86.091 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-02 12:37:04

End at: 2018-01-02 12:37:34

Local clock offset: -0.427 ms

Below is generated by plot.py at 2018-01-02 14:07:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 89.401 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 87.450 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 89.741 ms

Loss rate: 0.01%

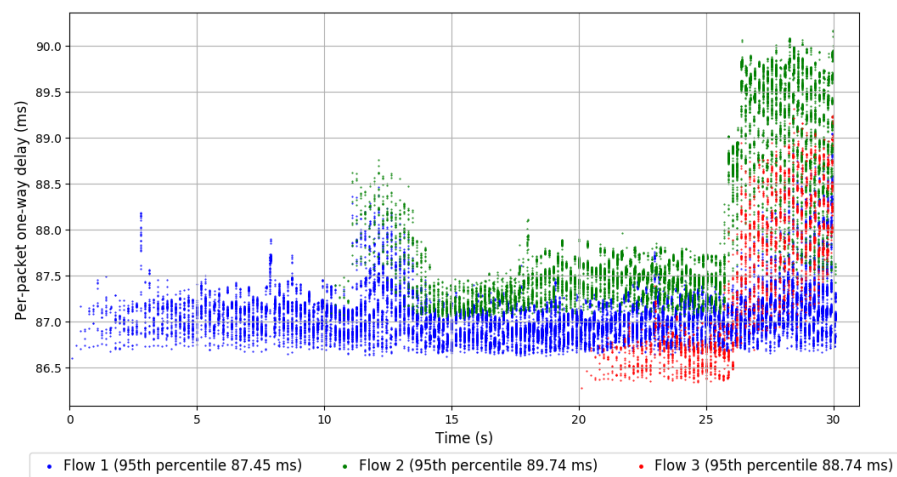
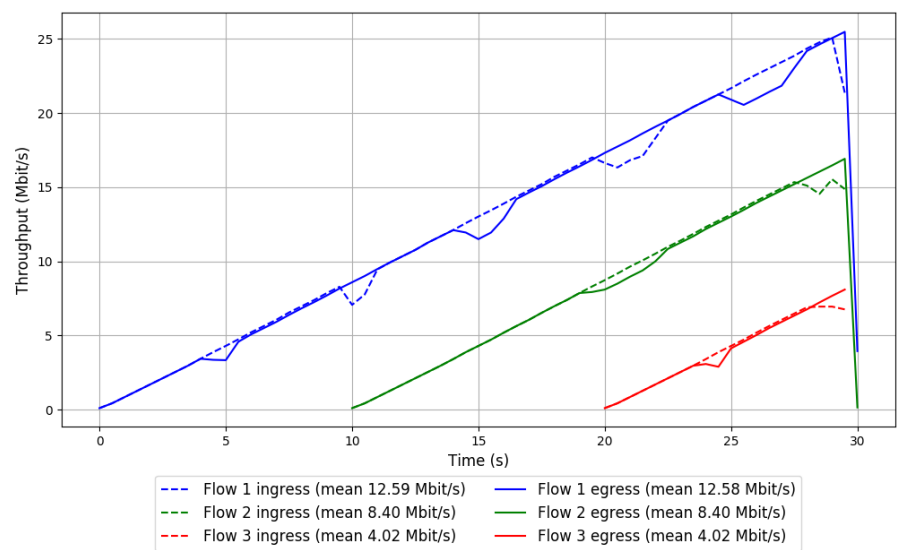
-- Flow 3:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 88.739 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

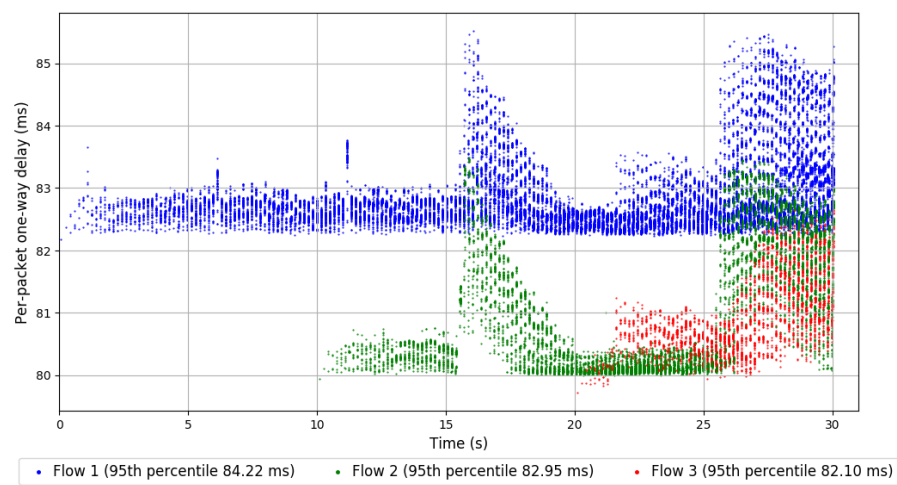
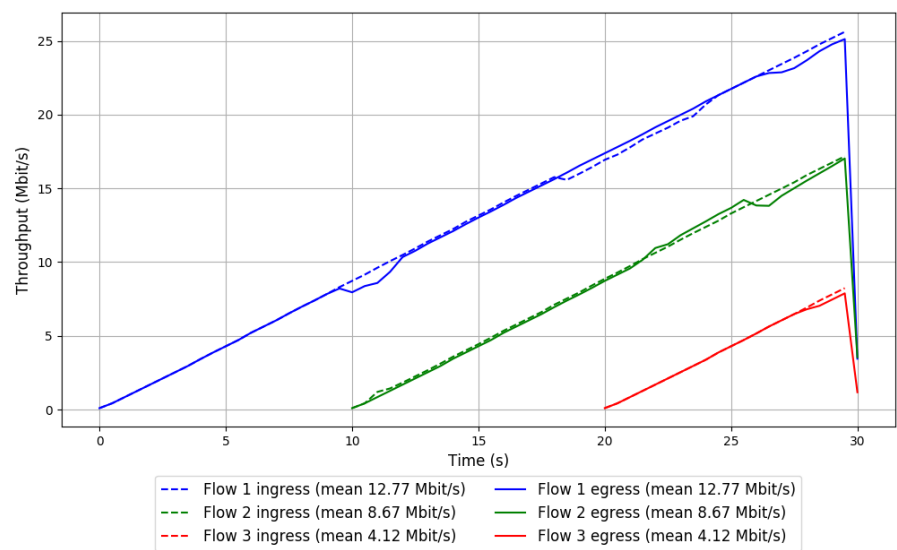


Run 8: Statistics of LEDBAT

Start at: 2018-01-02 12:56:03
End at: 2018-01-02 12:56:33
Local clock offset: -0.201 ms
Remote clock offset: -5.422 ms

Below is generated by plot.py at 2018-01-02 14:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.90 Mbit/s
95th percentile per-packet one-way delay: 83.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 84.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 82.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 82.099 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-02 13:15:35

End at: 2018-01-02 13:16:05

Local clock offset: -0.051 ms

Remote clock offset: 1.349 ms

Below is generated by plot.py at 2018-01-02 14:07:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 87.971 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 88.263 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 87.599 ms

Loss rate: 0.00%

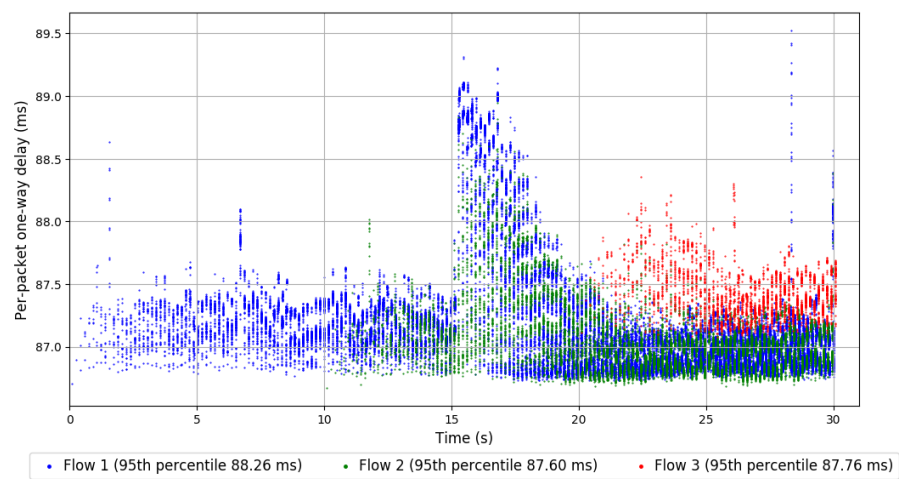
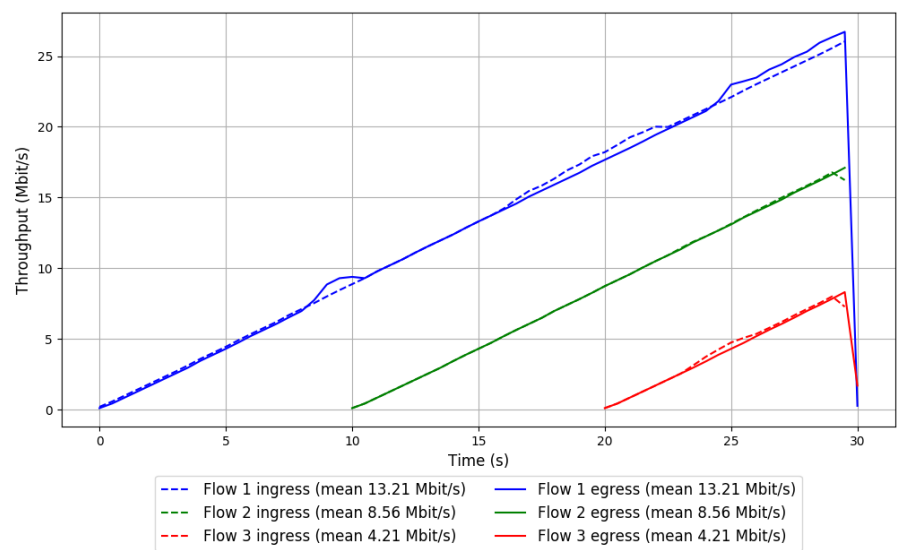
-- Flow 3:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 87.763 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-02 13:34:59

End at: 2018-01-02 13:35:29

Local clock offset: 0.166 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-01-02 14:07:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 90.871 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.89 Mbit/s

95th percentile per-packet one-way delay: 91.079 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 89.460 ms

Loss rate: 0.00%

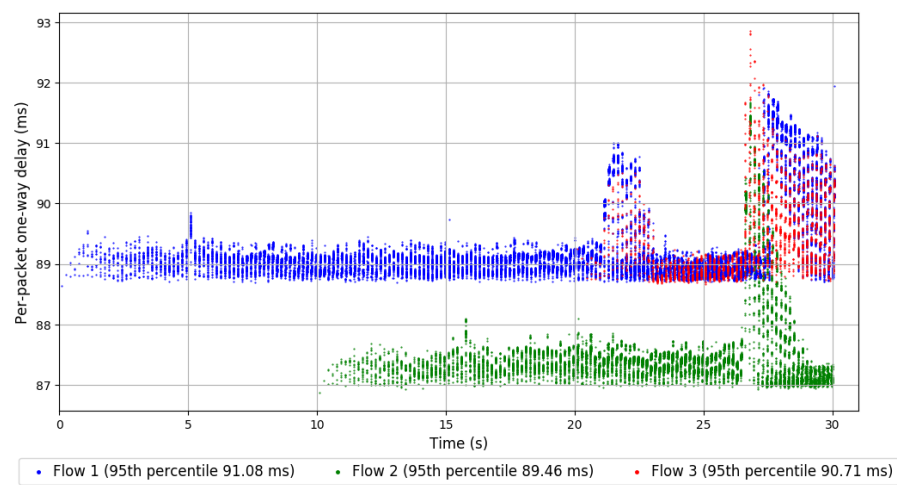
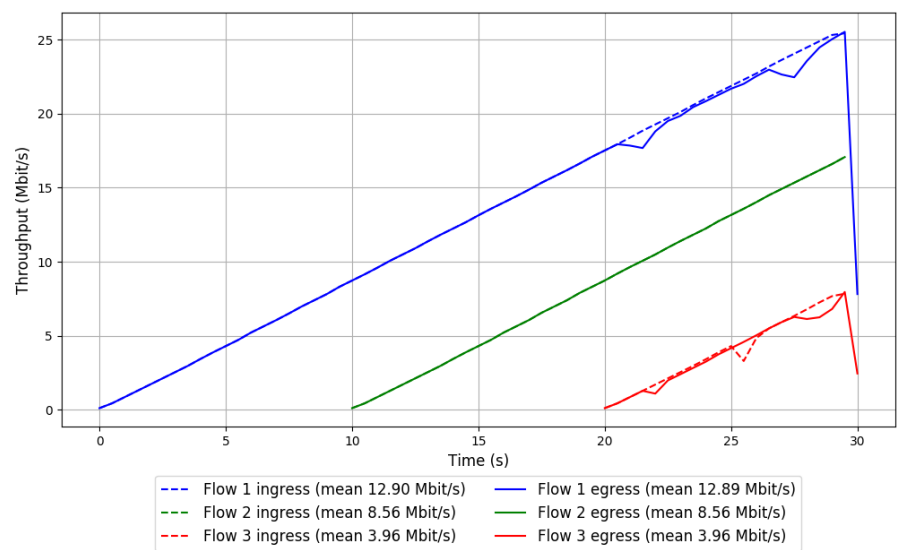
-- Flow 3:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 90.710 ms

Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

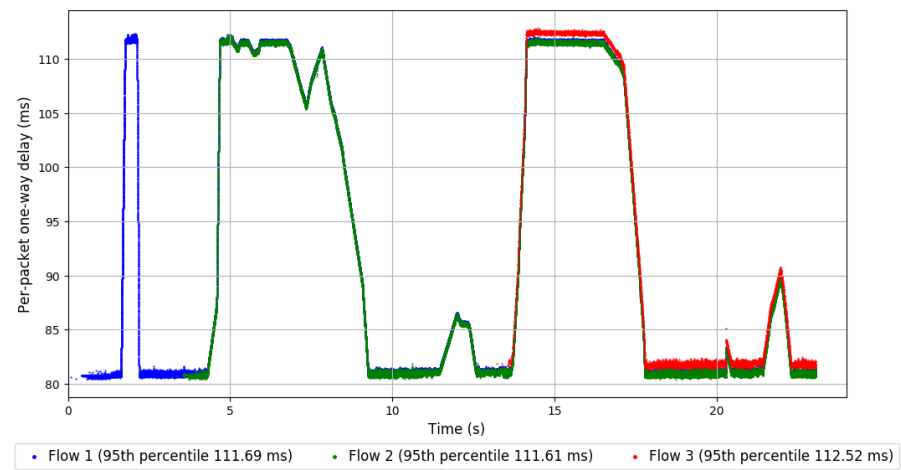
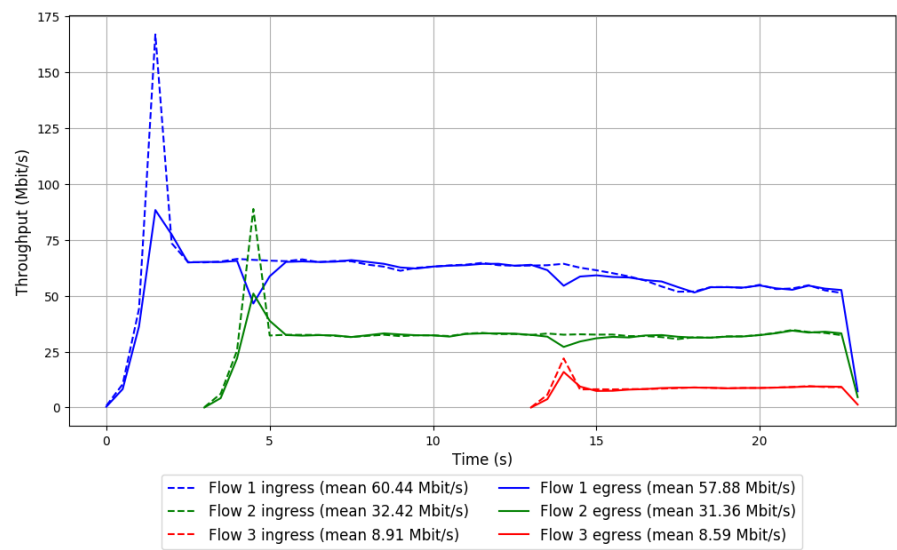
Start at: 2018-01-02 10:38:17

End at: 2018-01-02 10:38:47

Local clock offset: -0.379 ms

Remote clock offset: -2.703 ms

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

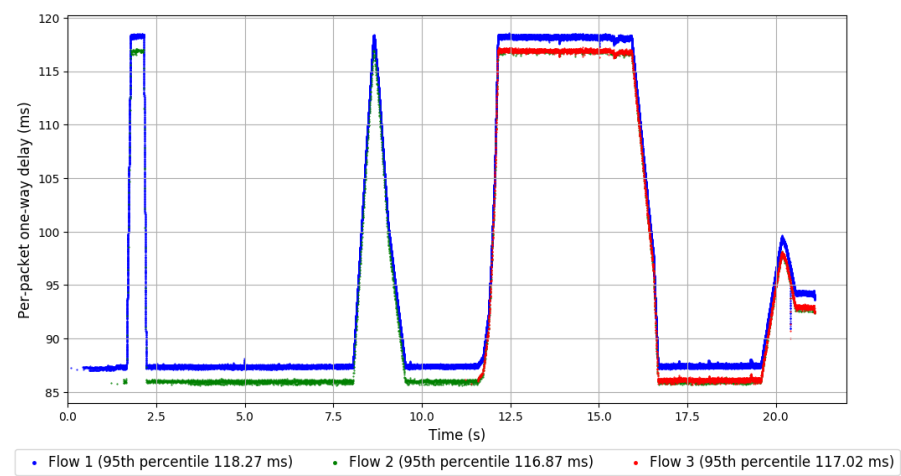
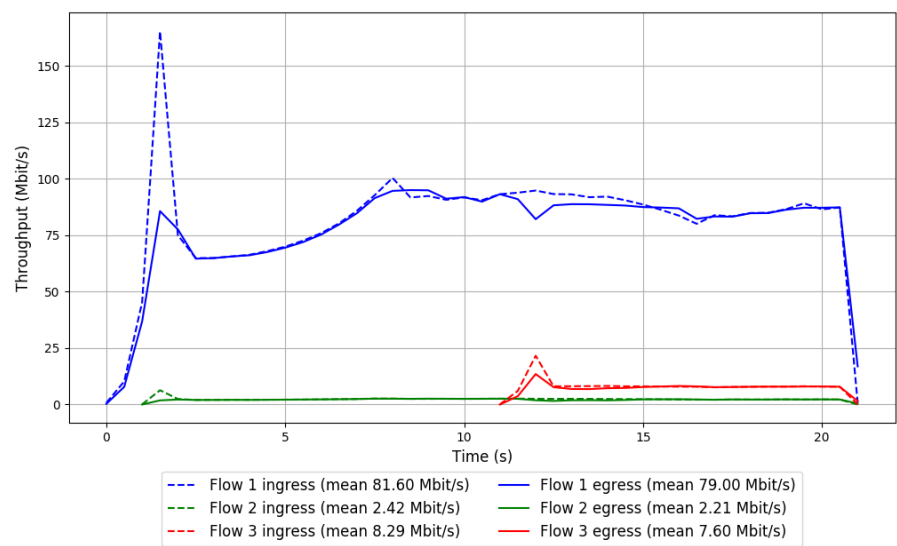
Start at: 2018-01-02 10:57:43

End at: 2018-01-02 10:58:13

Local clock offset: -0.469 ms

Remote clock offset: 1.697 ms

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

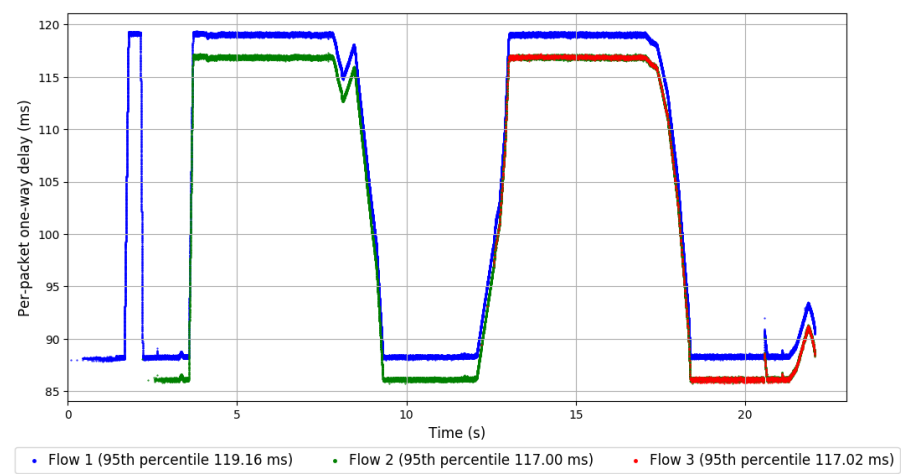
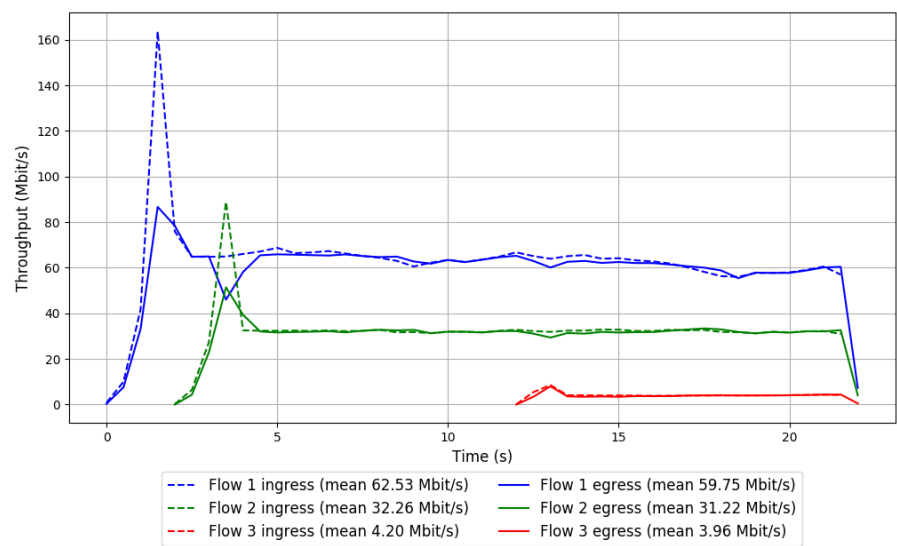
Start at: 2018-01-02 11:17:21

End at: 2018-01-02 11:17:51

Local clock offset: -0.47 ms

Remote clock offset: 1.902 ms

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

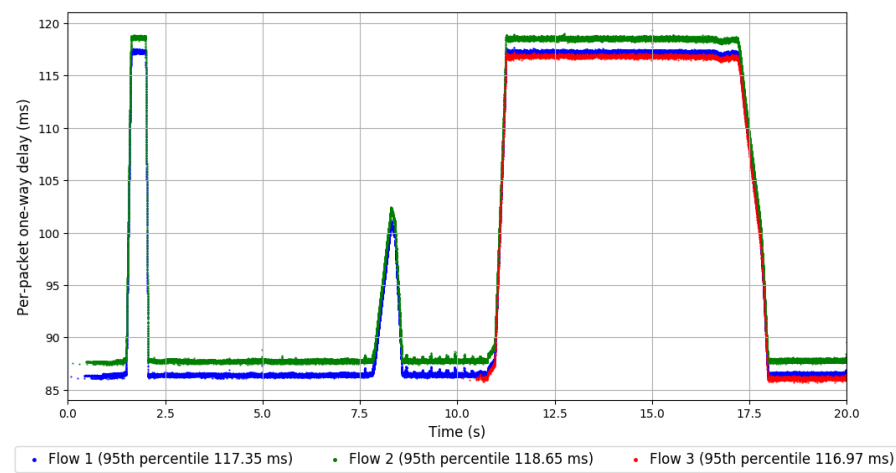
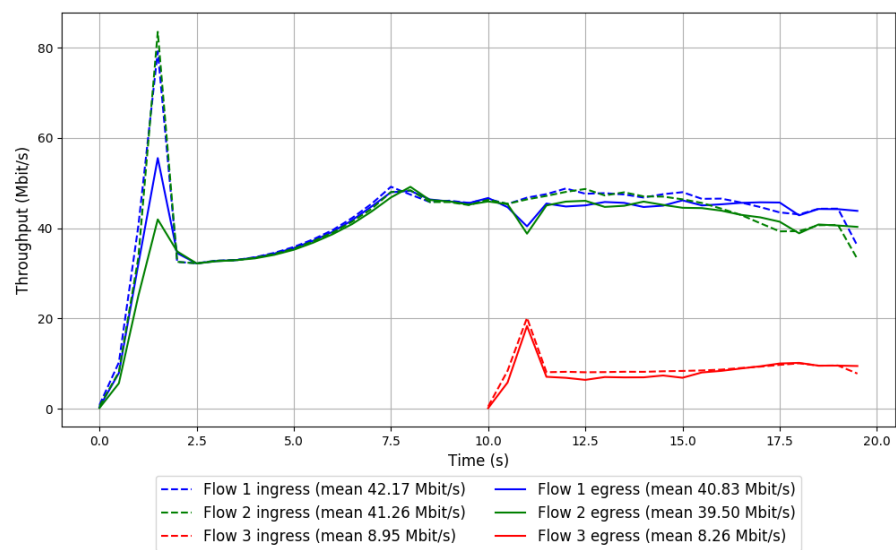
Start at: 2018-01-02 11:36:47

End at: 2018-01-02 11:37:17

Local clock offset: -0.458 ms

Remote clock offset: 1.578 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

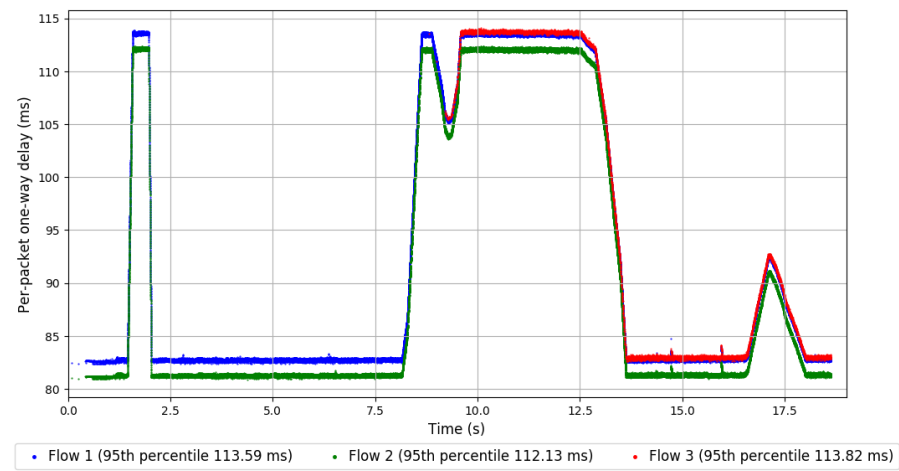
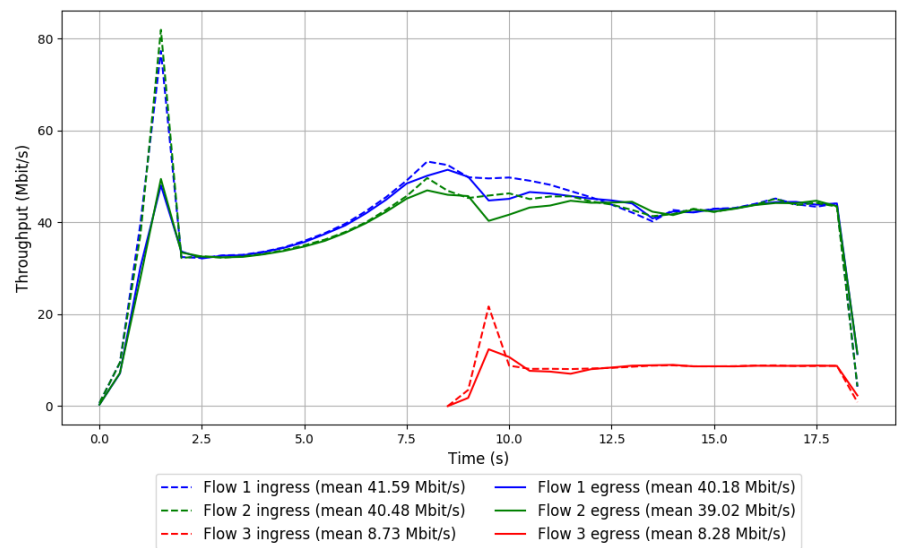
Start at: 2018-01-02 11:56:09

End at: 2018-01-02 11:56:39

Local clock offset: -0.407 ms

Remote clock offset: -3.502 ms

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

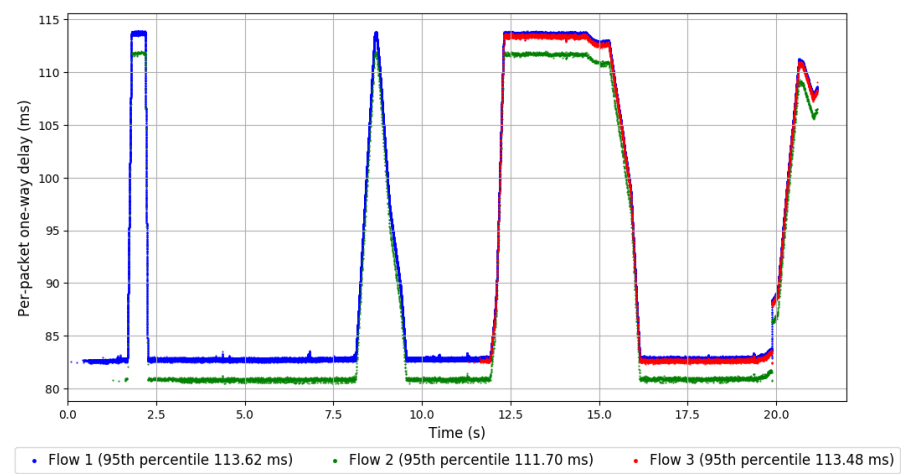
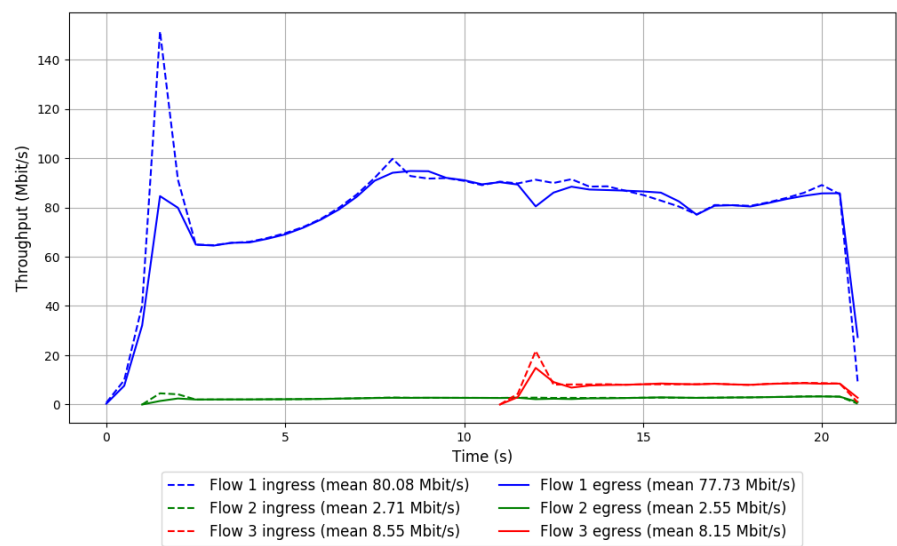
Start at: 2018-01-02 12:15:28

End at: 2018-01-02 12:15:58

Local clock offset: -0.383 ms

Remote clock offset: -4.108 ms

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

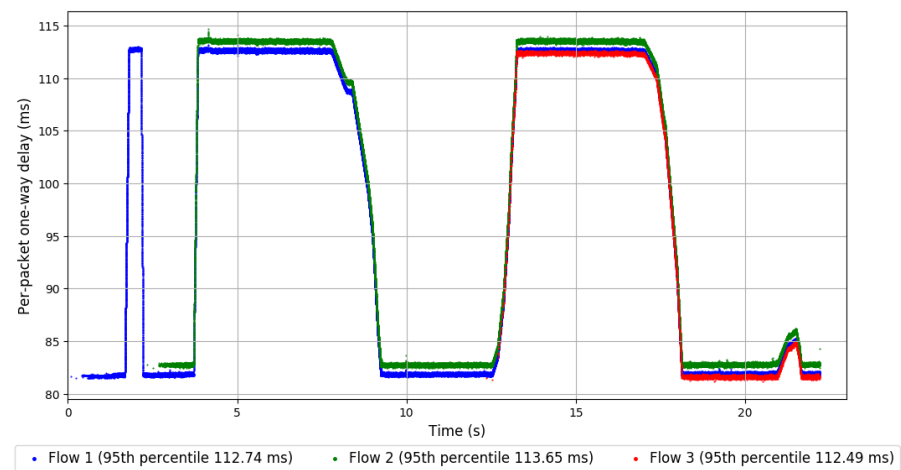
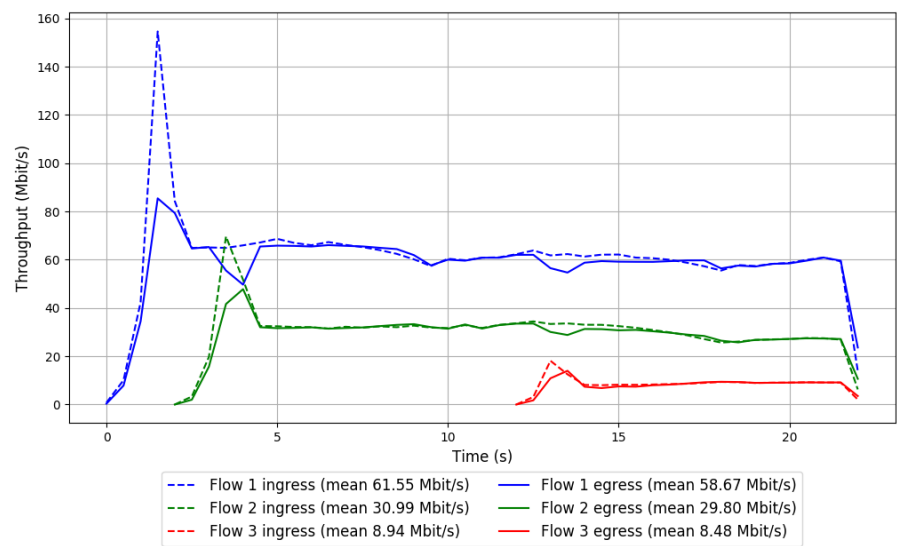
Start at: 2018-01-02 12:34:55

End at: 2018-01-02 12:35:25

Local clock offset: -0.32 ms

Remote clock offset: -4.297 ms

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-02 12:53:23

End at: 2018-01-02 12:53:53

Local clock offset: -0.243 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-01-02 14:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 118.514 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 118.521 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 117.006 ms

Loss rate: 5.39%

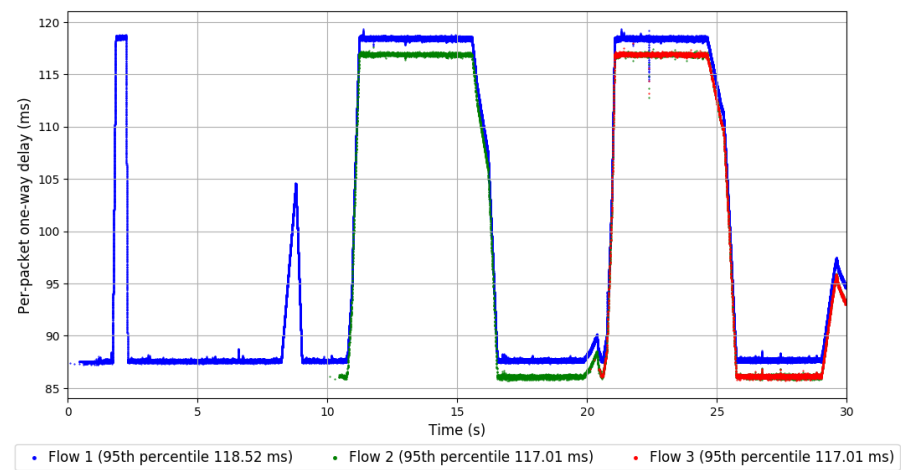
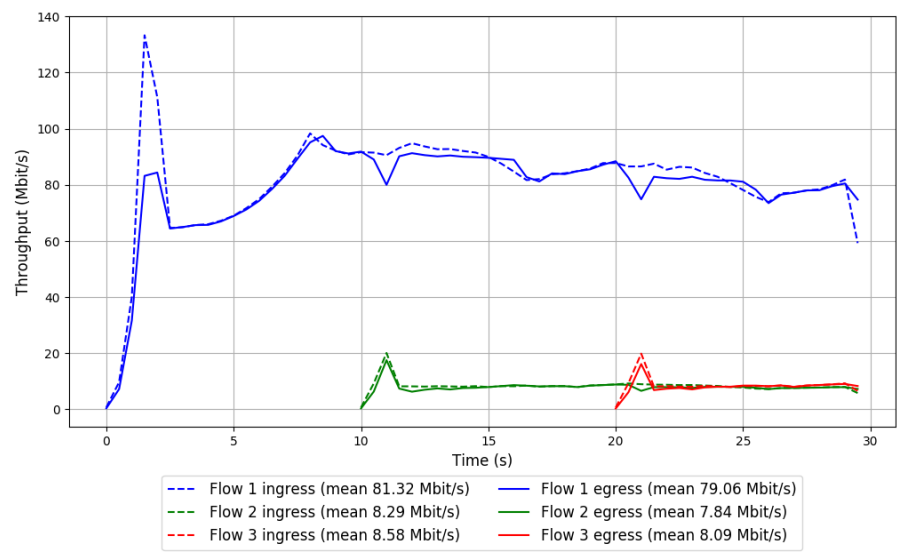
-- Flow 3:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 117.006 ms

Loss rate: 5.67%

Run 8: Report of PCC — Data Link

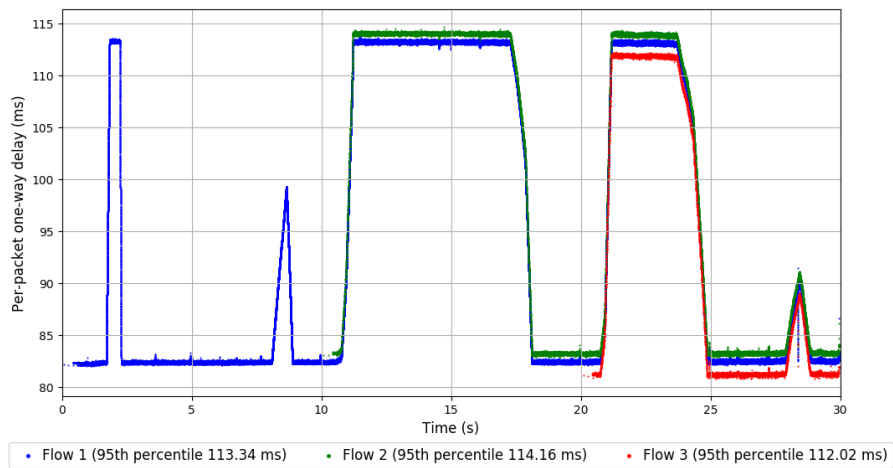
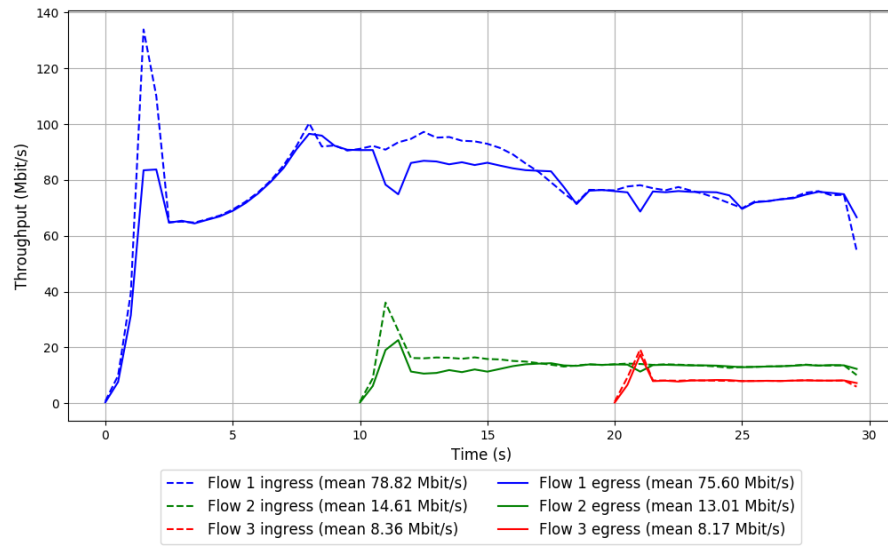


Run 9: Statistics of PCC

Start at: 2018-01-02 13:12:55
End at: 2018-01-02 13:13:25
Local clock offset: -0.059 ms
Remote clock offset: -4.766 ms

Below is generated by plot.py at 2018-01-02 14:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 113.428 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 113.345 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 114.161 ms
Loss rate: 10.97%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 112.024 ms
Loss rate: 2.29%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-01-02 13:32:19

End at: 2018-01-02 13:32:49

Local clock offset: 0.051 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 116.830 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 79.85 Mbit/s

95th percentile per-packet one-way delay: 116.804 ms

Loss rate: 2.42%

-- Flow 2:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 118.581 ms

Loss rate: 4.45%

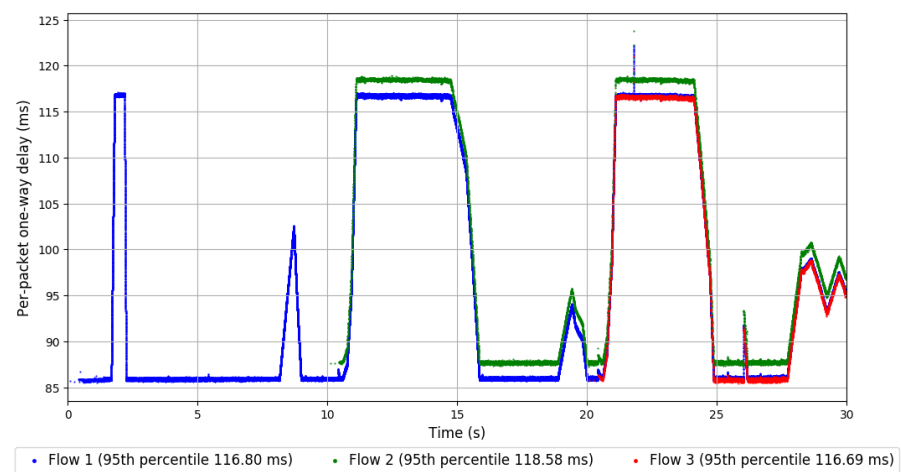
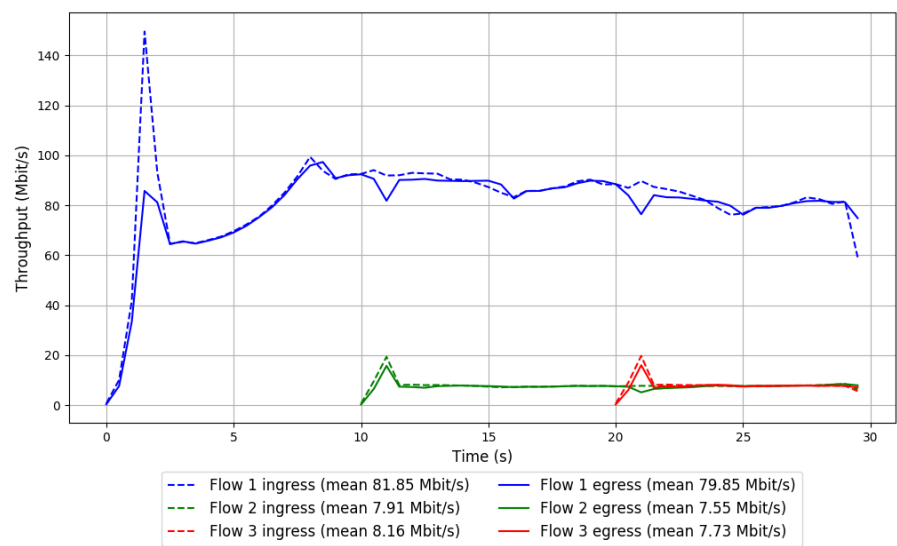
-- Flow 3:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 116.688 ms

Loss rate: 5.08%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 10:42:12

End at: 2018-01-02 10:42:42

Local clock offset: -0.458 ms

Remote clock offset: 3.291 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.29 Mbit/s

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

Loss rate: 0.75%

-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 115.758 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 108.226 ms

Loss rate: 0.76%

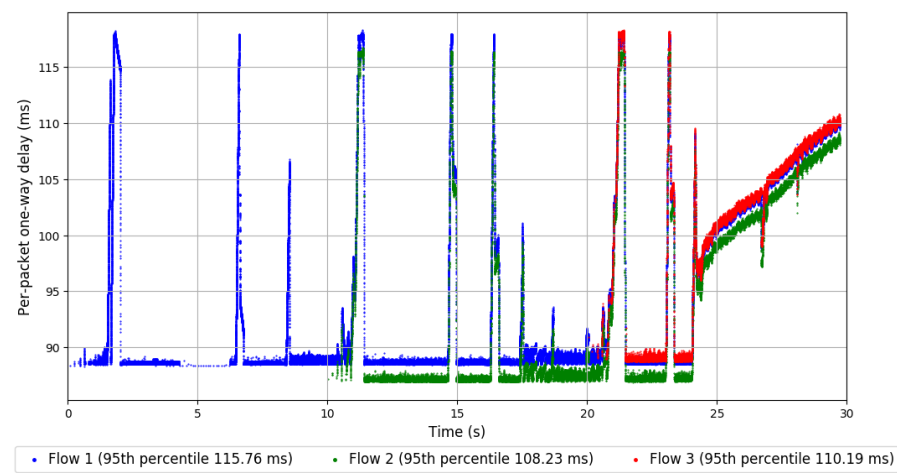
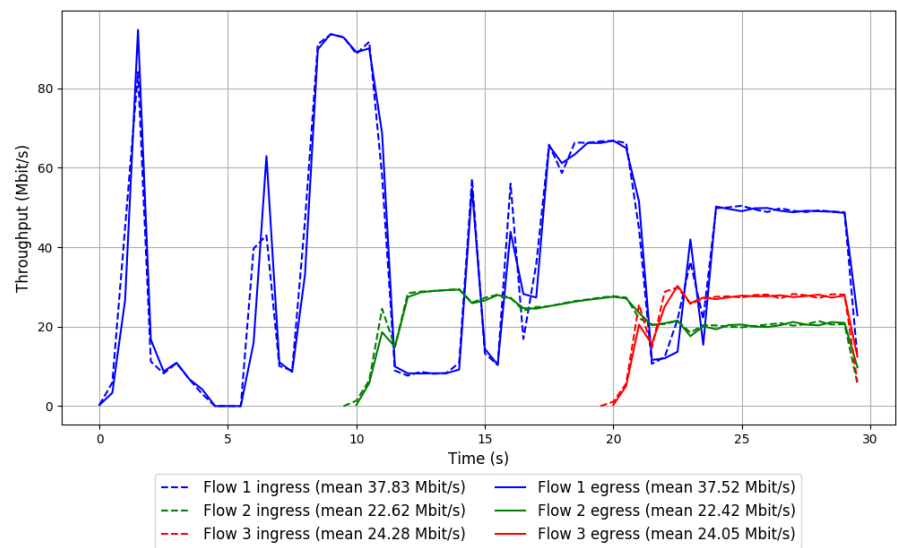
-- Flow 3:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 110.191 ms

Loss rate: 0.77%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-02 11:01:37

End at: 2018-01-02 11:02:07

Local clock offset: -0.479 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.08 Mbit/s

95th percentile per-packet one-way delay: 112.993 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 113.923 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 108.790 ms

Loss rate: 0.19%

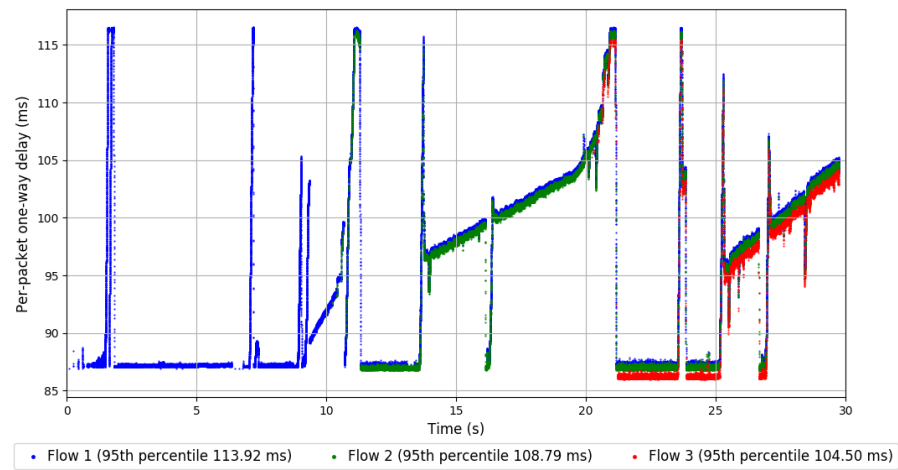
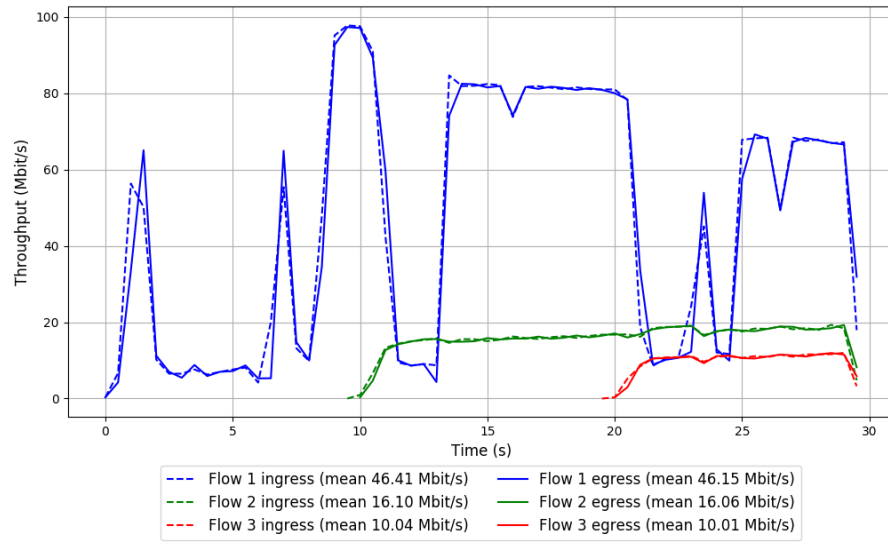
-- Flow 3:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 104.497 ms

Loss rate: 0.30%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-02 11:21:16

End at: 2018-01-02 11:21:46

Local clock offset: -0.524 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 113.689 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 115.180 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 113.129 ms

Loss rate: 1.17%

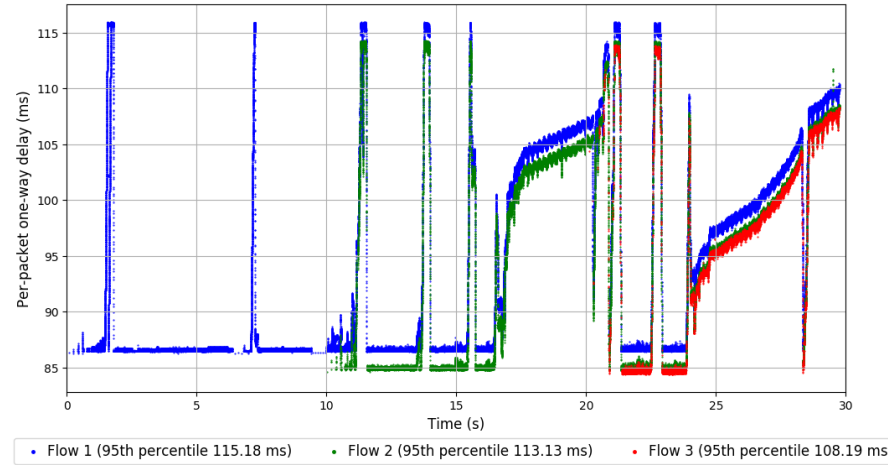
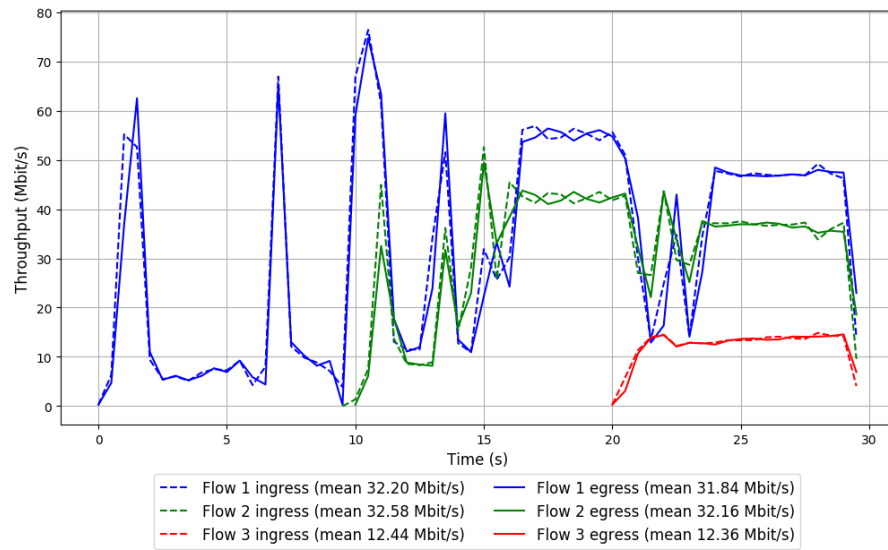
-- Flow 3:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 108.188 ms

Loss rate: 0.61%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-02 11:40:40

End at: 2018-01-02 11:41:10

Local clock offset: -0.474 ms

Remote clock offset: 1.615 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 113.560 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 114.087 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 18.45 Mbit/s

95th percentile per-packet one-way delay: 108.678 ms

Loss rate: 0.43%

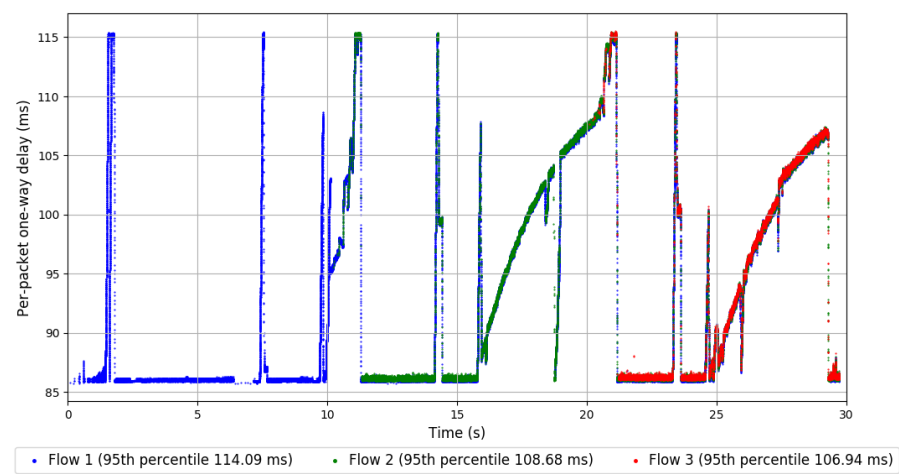
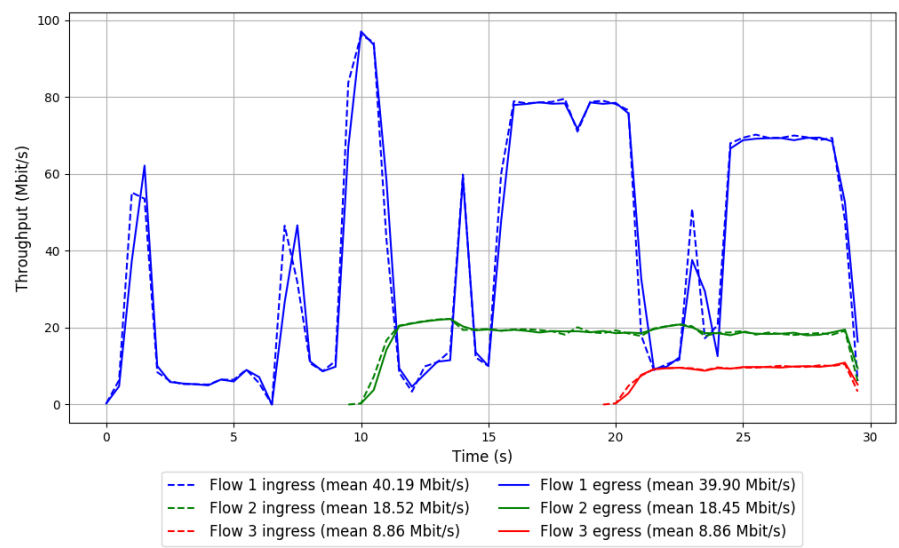
-- Flow 3:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 106.943 ms

Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

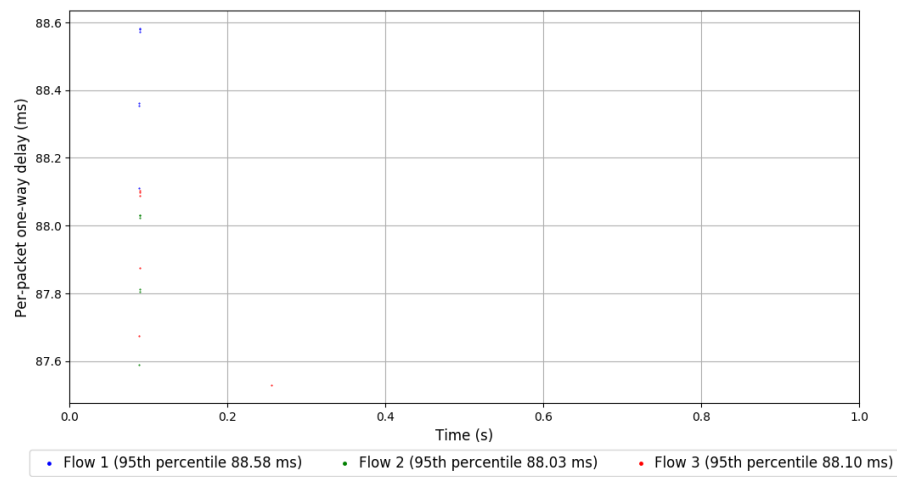
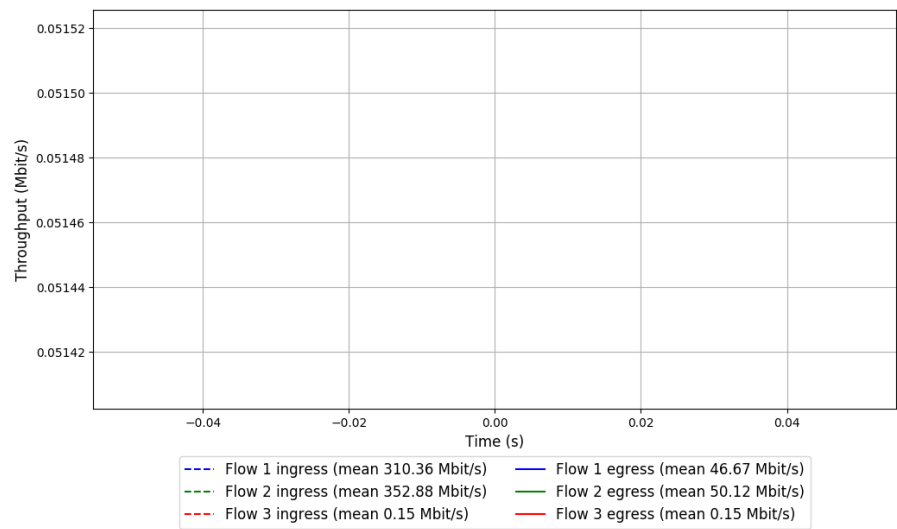
Start at: 2018-01-02 12:00:02

End at: 2018-01-02 12:00:32

Local clock offset: -0.418 ms

Remote clock offset: 2.639 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-02 12:19:22

End at: 2018-01-02 12:19:52

Local clock offset: -0.428 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-01-02 14:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 115.226 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 115.234 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 28.51 Mbit/s

95th percentile per-packet one-way delay: 114.625 ms

Loss rate: 0.47%

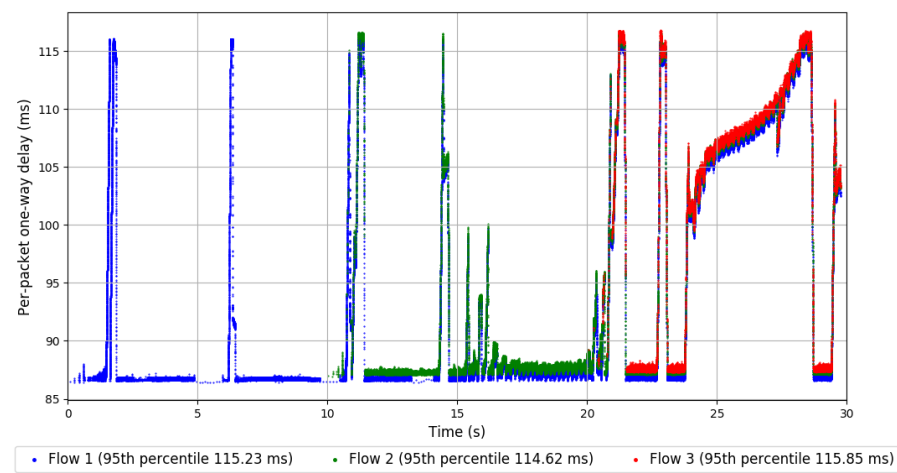
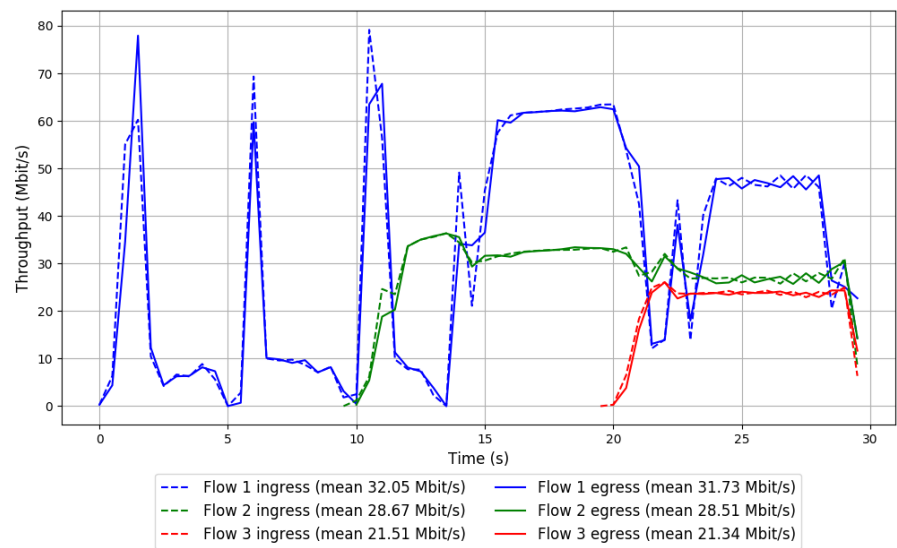
-- Flow 3:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 115.852 ms

Loss rate: 0.64%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-02 12:38:05

End at: 2018-01-02 12:38:35

Local clock offset: -0.329 ms

Below is generated by plot.py at 2018-01-02 14:09:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 113.232 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 114.133 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 33.34 Mbit/s

95th percentile per-packet one-way delay: 110.448 ms

Loss rate: 2.06%

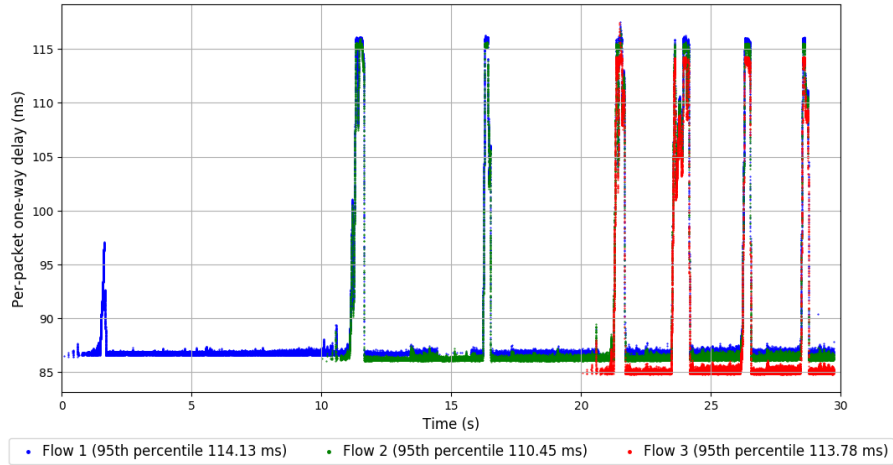
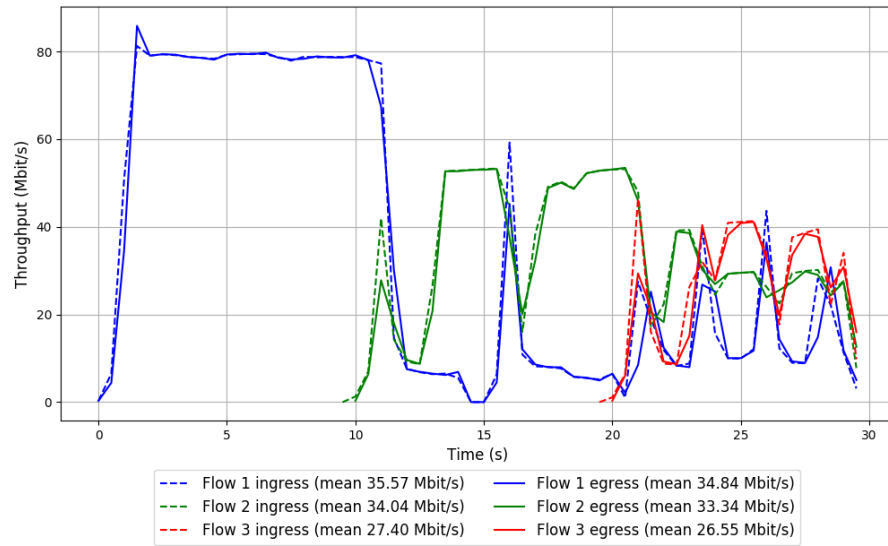
-- Flow 3:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 113.778 ms

Loss rate: 3.09%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 12:57:18

End at: 2018-01-02 12:57:48

Local clock offset: -0.213 ms

Remote clock offset: -4.56 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 110.917 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 109.225 ms

Loss rate: 1.78%

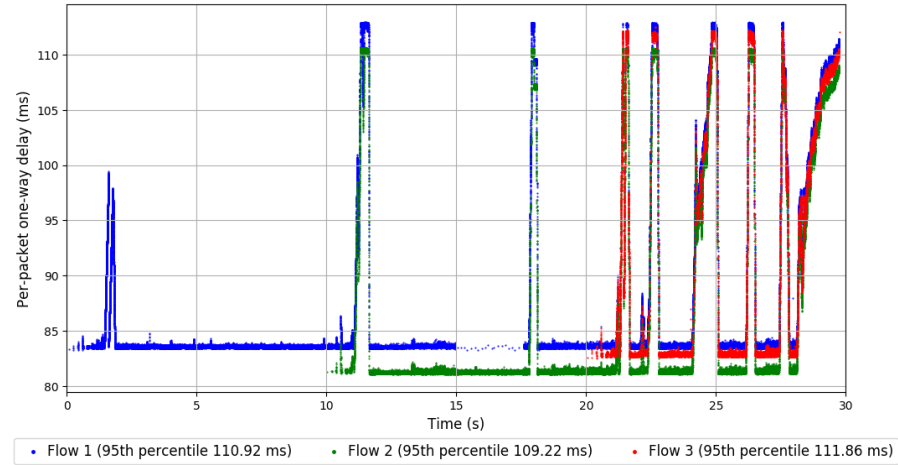
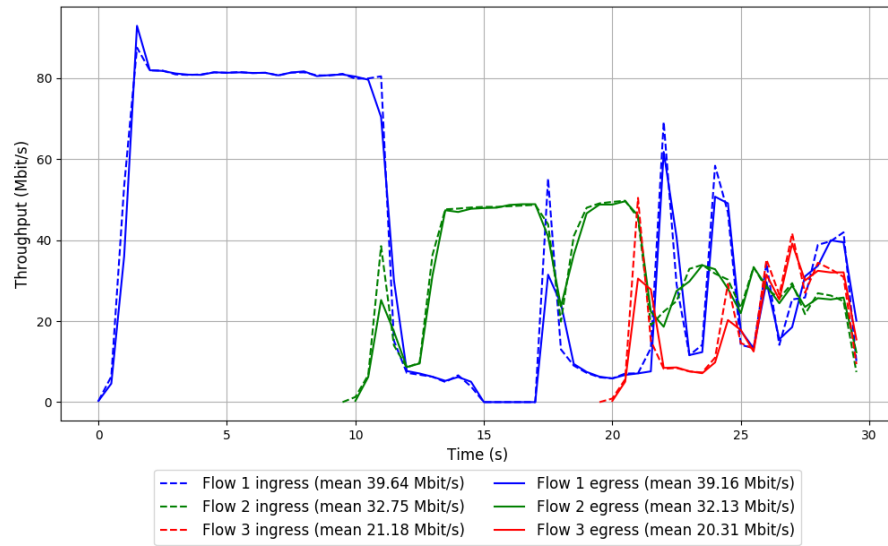
-- Flow 3:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 111.861 ms

Loss rate: 3.83%

Run 8: Report of QUIC Cubic — Data Link

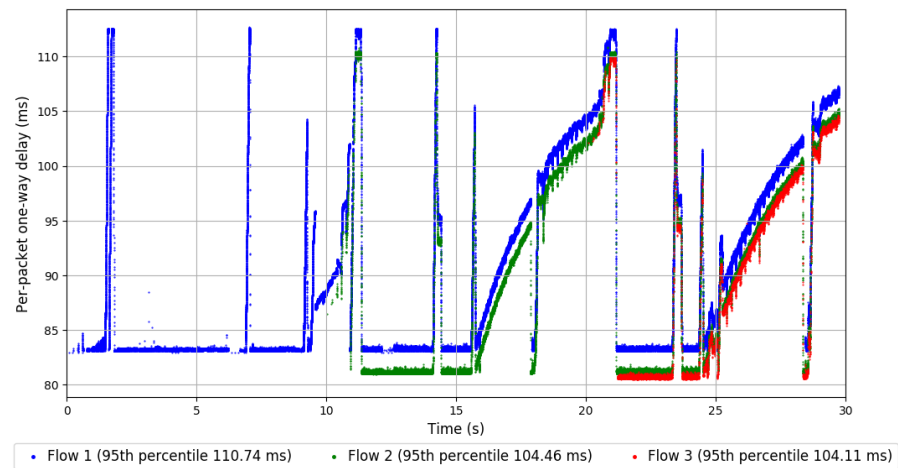
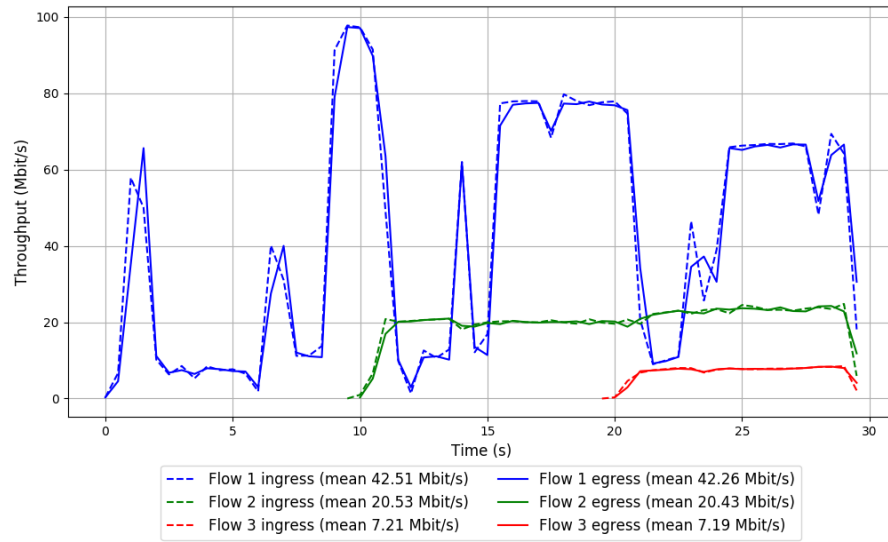


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 13:16:50
End at: 2018-01-02 13:17:20
Local clock offset: -0.056 ms
Remote clock offset: -5.088 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 109.171 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 110.737 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 104.462 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 104.111 ms
Loss rate: 0.28%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

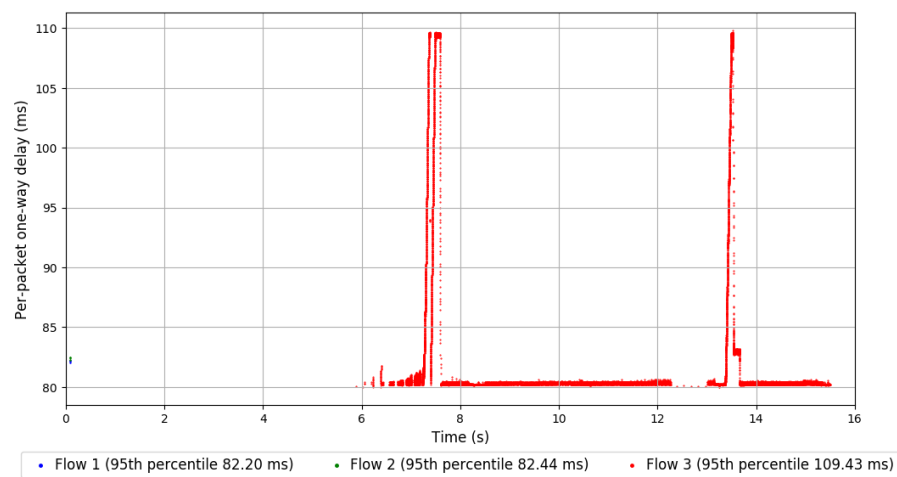
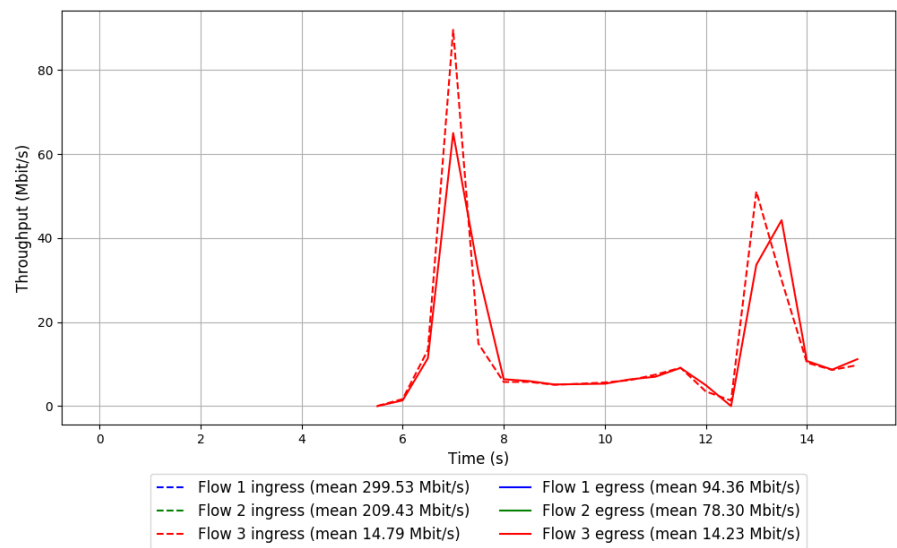
Start at: 2018-01-02 13:36:14

End at: 2018-01-02 13:36:44

Local clock offset: 0.146 ms

Remote clock offset: -5.249 ms

Run 10: Report of QUIC Cubic — Data Link

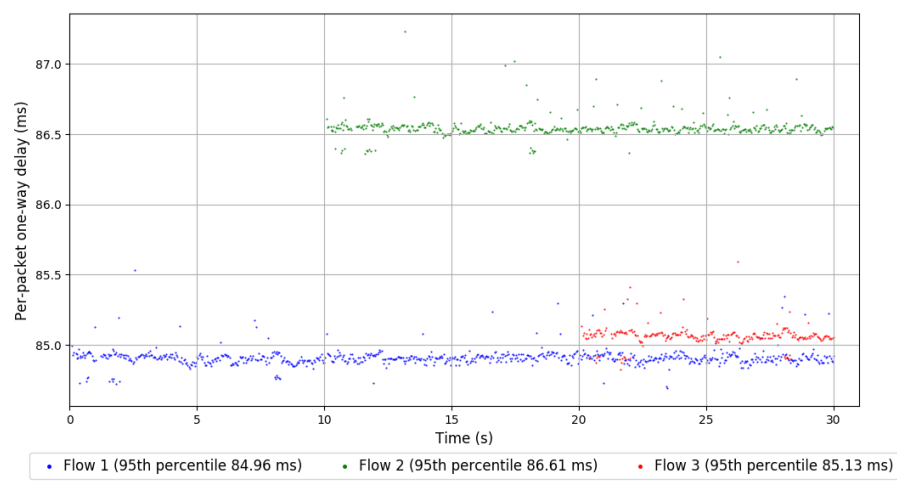
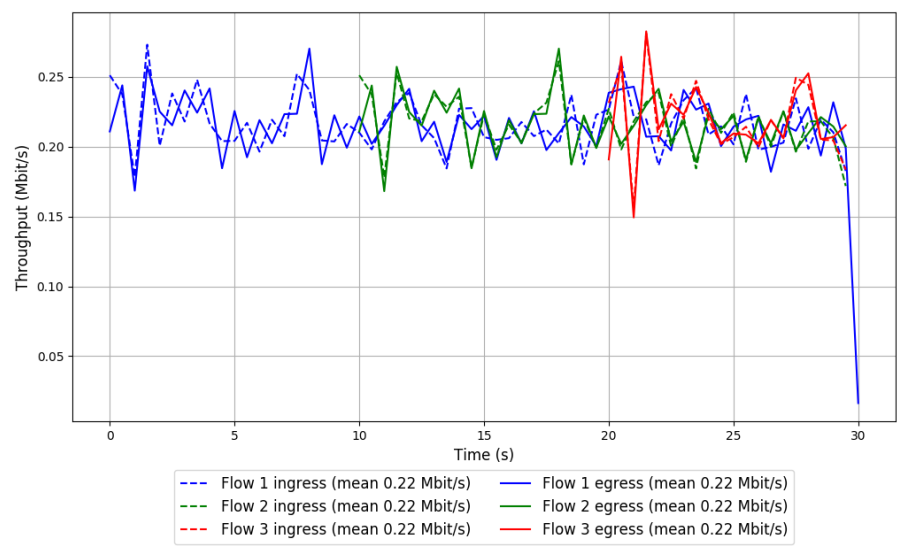


```
Run 1: Statistics of SReAM

Start at: 2018-01-02 10:46:12
End at: 2018-01-02 10:46:42
Local clock offset: -0.469 ms
Remote clock offset: 1.187 ms

# Below is generated by plot.py at 2018-01-02 14:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.126 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

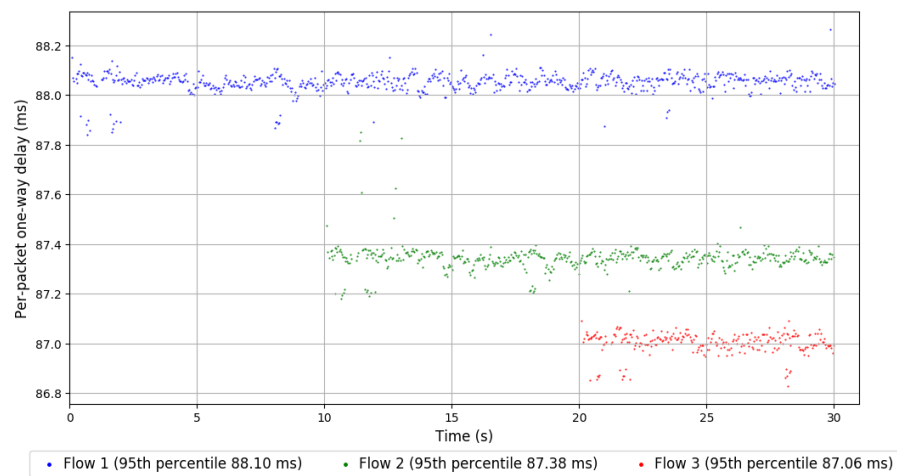
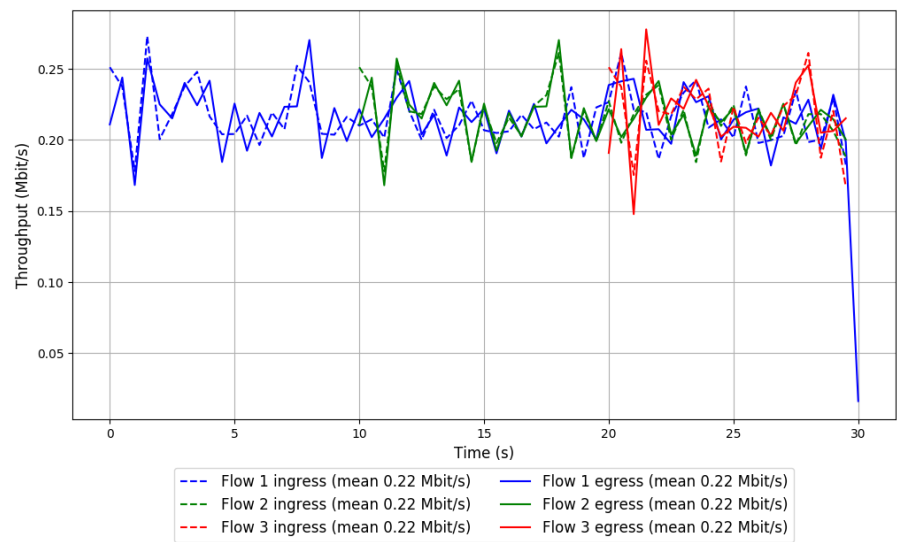


Run 2: Statistics of SReAM

Start at: 2018-01-02 11:05:36
End at: 2018-01-02 11:06:06
Local clock offset: -0.539 ms
Remote clock offset: 1.625 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.087 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.055 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

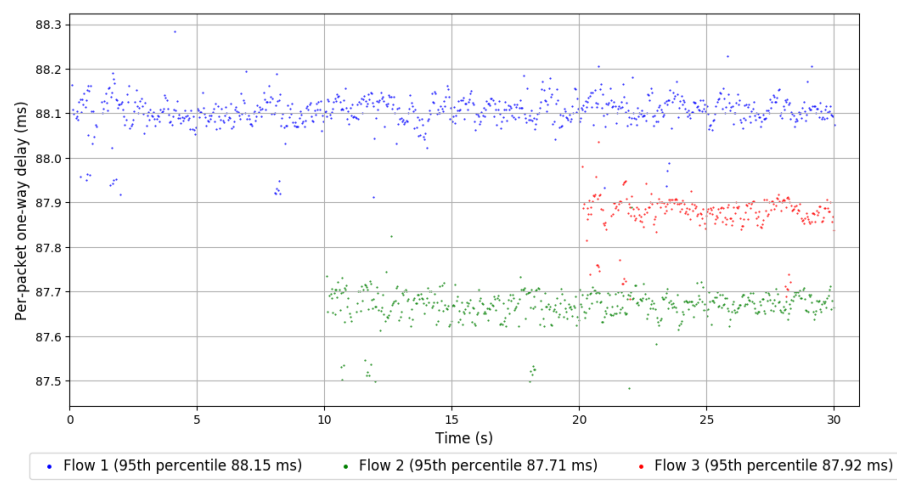
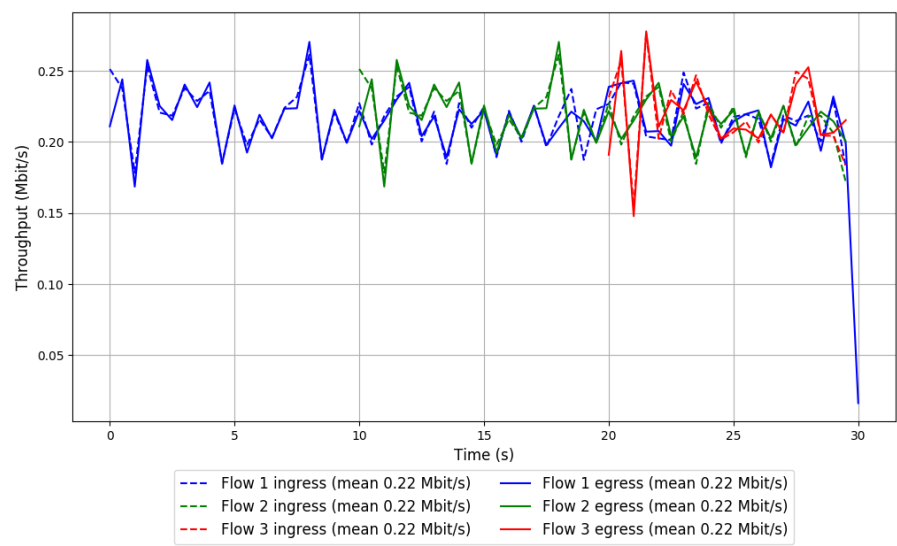


Run 3: Statistics of SReAM

Start at: 2018-01-02 11:25:13
End at: 2018-01-02 11:25:43
Local clock offset: -0.466 ms
Remote clock offset: 1.819 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.916 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-01-02 11:44:38

End at: 2018-01-02 11:45:08

Local clock offset: -0.44 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 87.638 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.650 ms

Loss rate: 0.00%

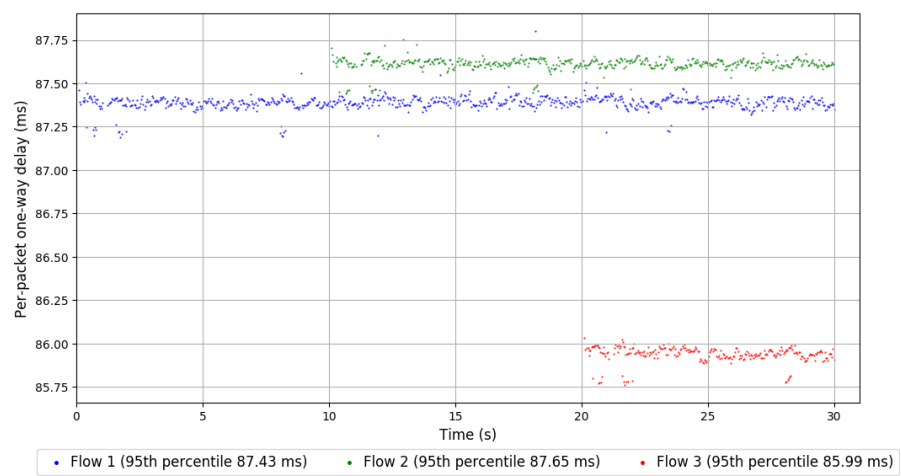
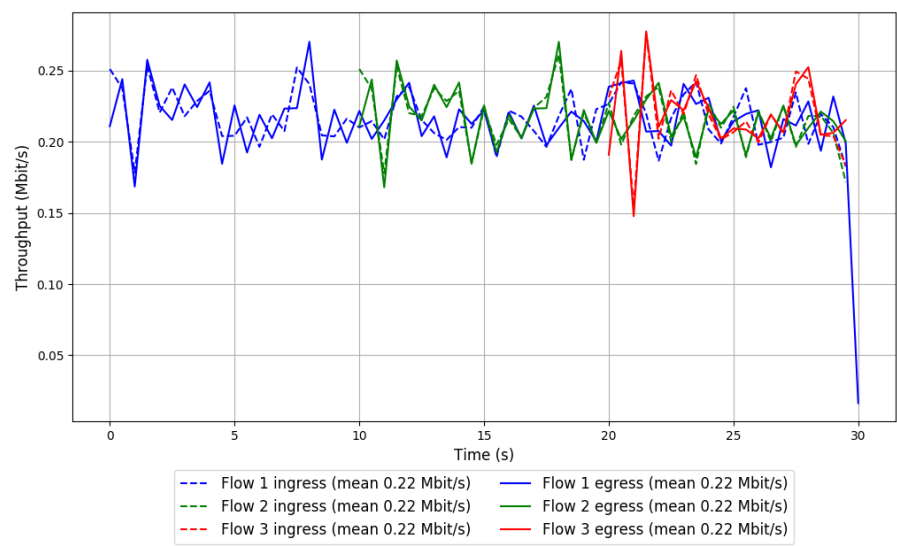
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.987 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-02 12:03:58

End at: 2018-01-02 12:04:28

Local clock offset: -0.426 ms

Remote clock offset: -4.4 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 82.827 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.282 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.823 ms

Loss rate: 0.19%

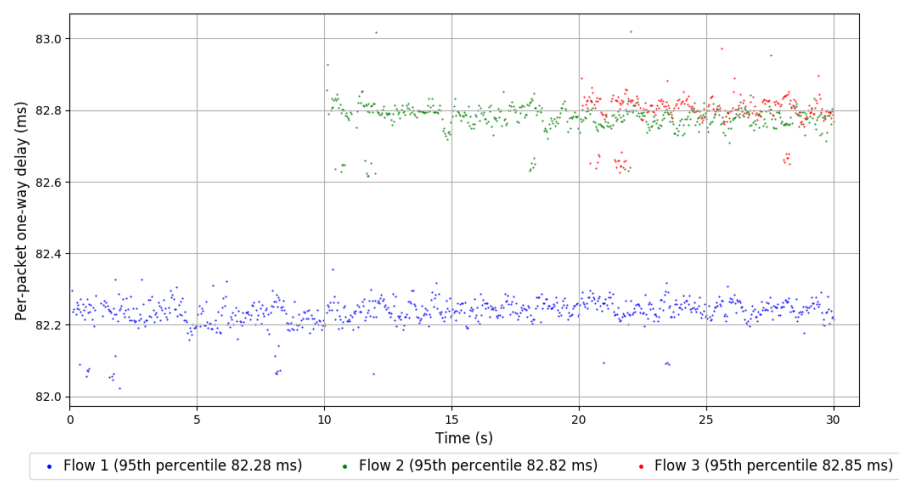
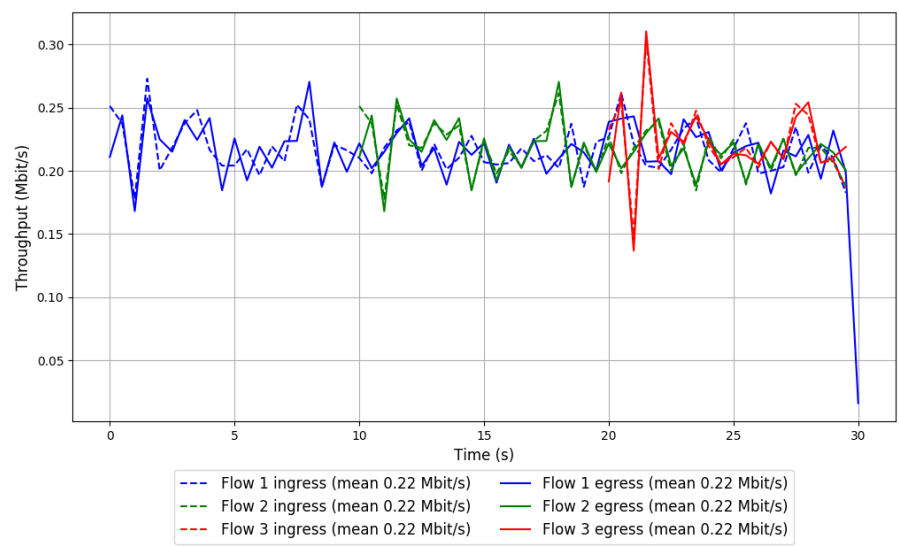
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.847 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

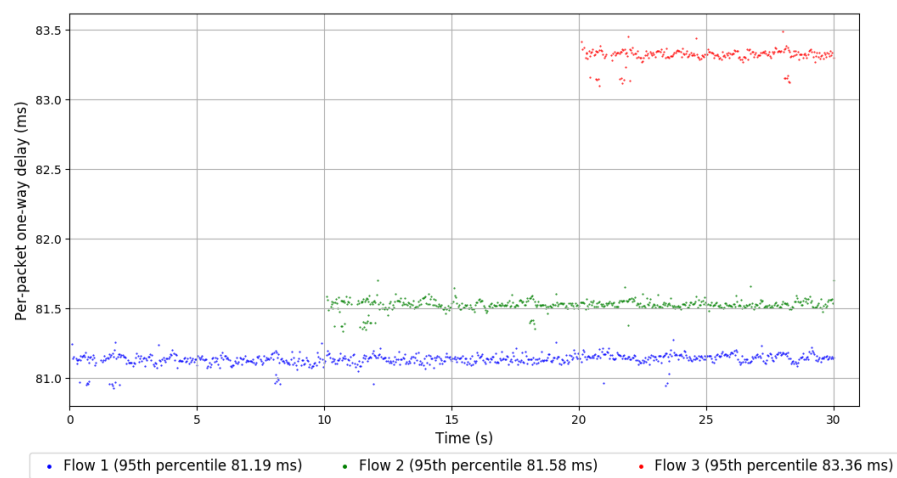
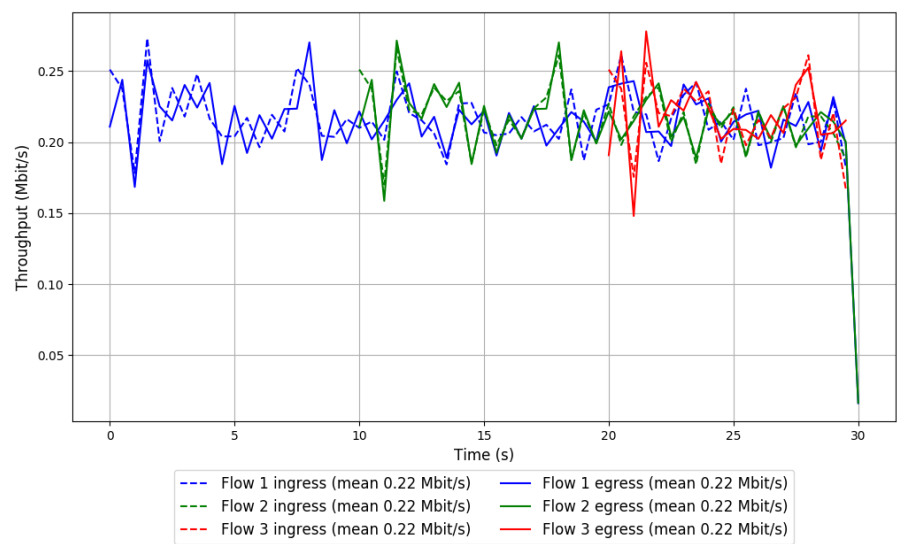


Run 6: Statistics of SReAM

Start at: 2018-01-02 12:23:22
End at: 2018-01-02 12:23:52
Local clock offset: -0.421 ms
Remote clock offset: -4.095 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.365 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

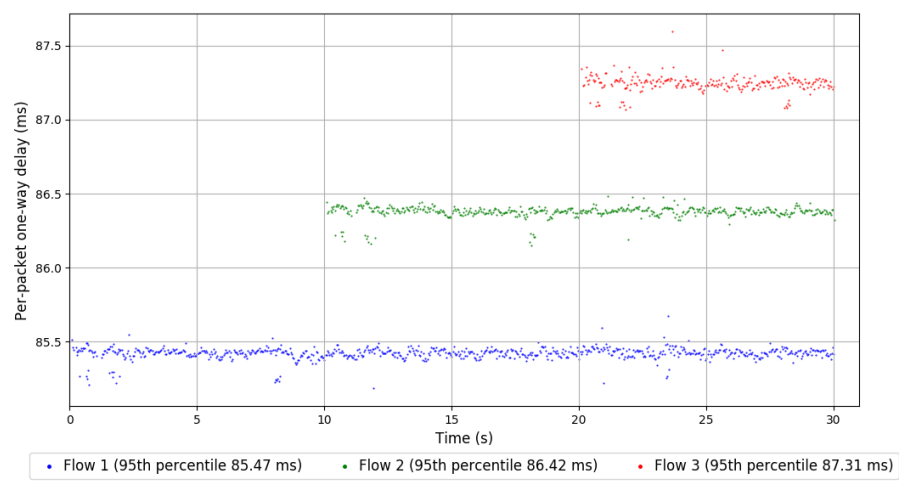
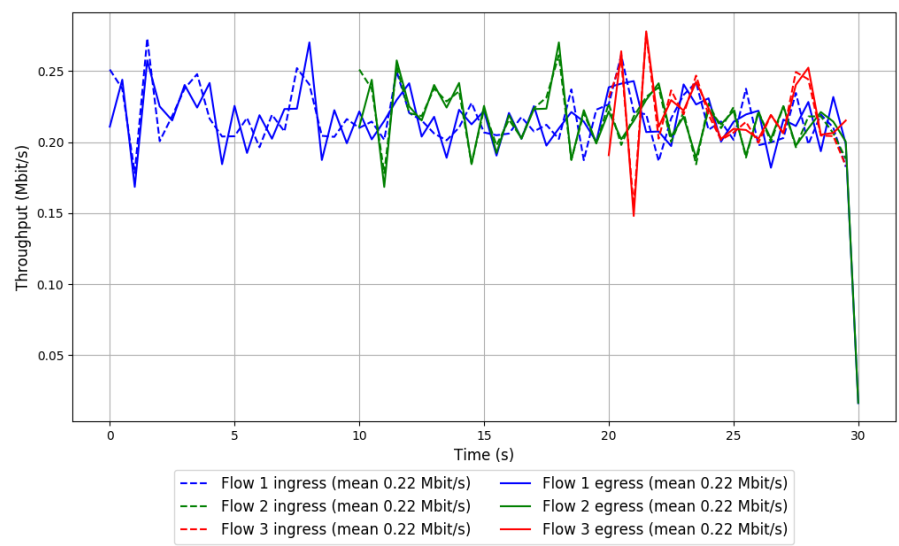


Run 7: Statistics of SReAM

Start at: 2018-01-02 12:41:49
End at: 2018-01-02 12:42:19
Local clock offset: -0.342 ms
Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.466 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.312 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-02 13:01:18

End at: 2018-01-02 13:01:48

Local clock offset: -0.16 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.765 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.067 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.733 ms

Loss rate: 0.00%

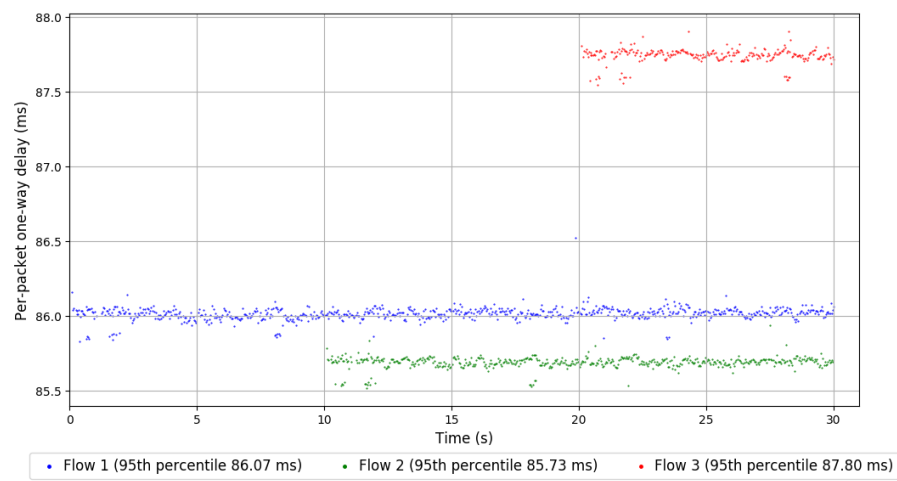
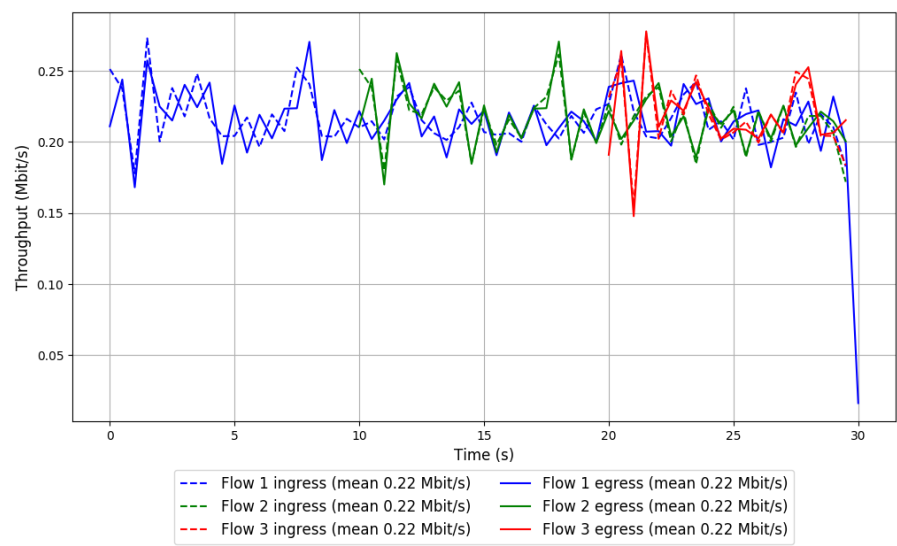
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.796 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-01-02 13:20:49

End at: 2018-01-02 13:21:19

Local clock offset: -0.102 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 86.876 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.848 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.897 ms

Loss rate: 0.00%

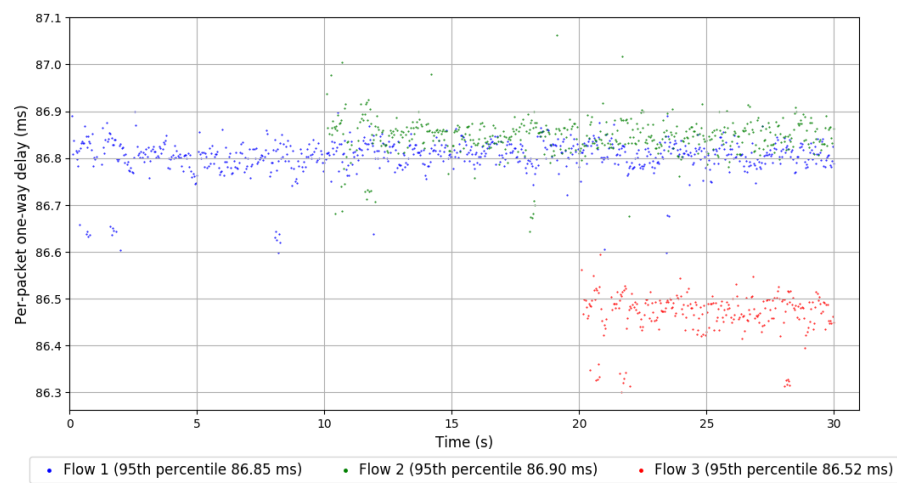
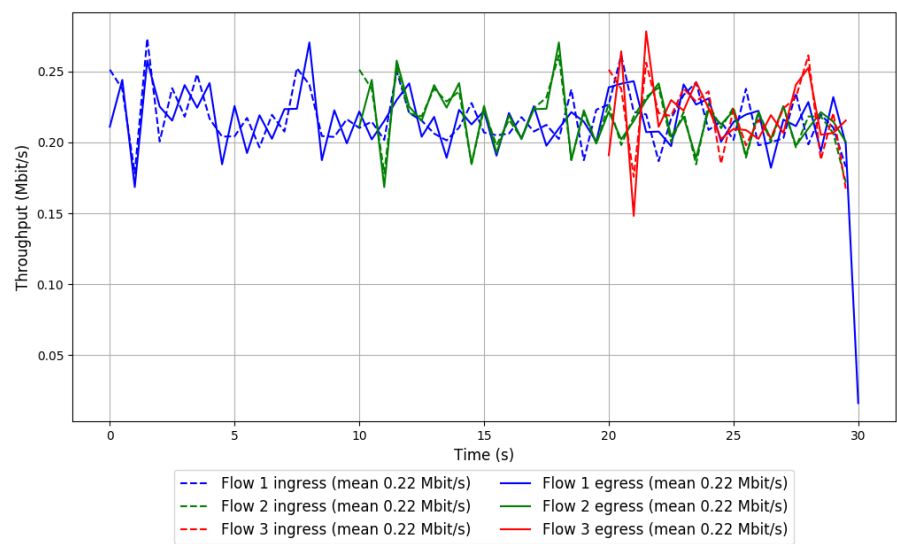
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.519 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-02 13:40:11

End at: 2018-01-02 13:40:41

Local clock offset: 0.215 ms

Remote clock offset: 0.515 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 88.011 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.697 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.105 ms

Loss rate: 0.00%

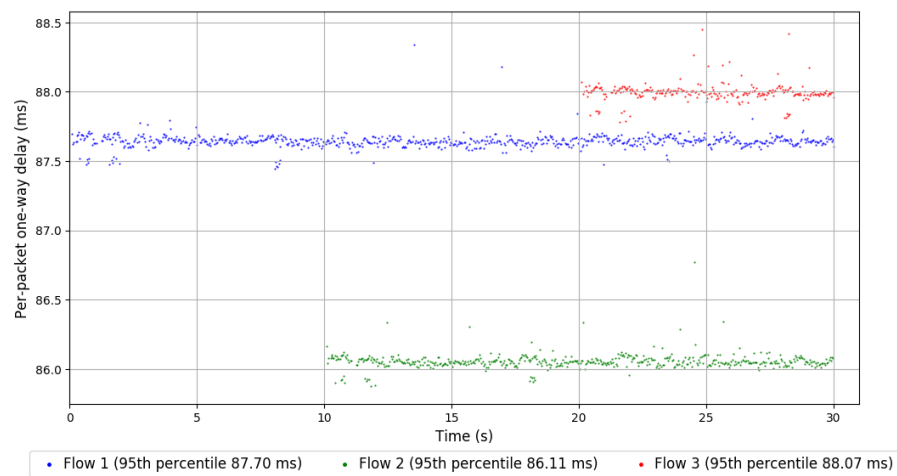
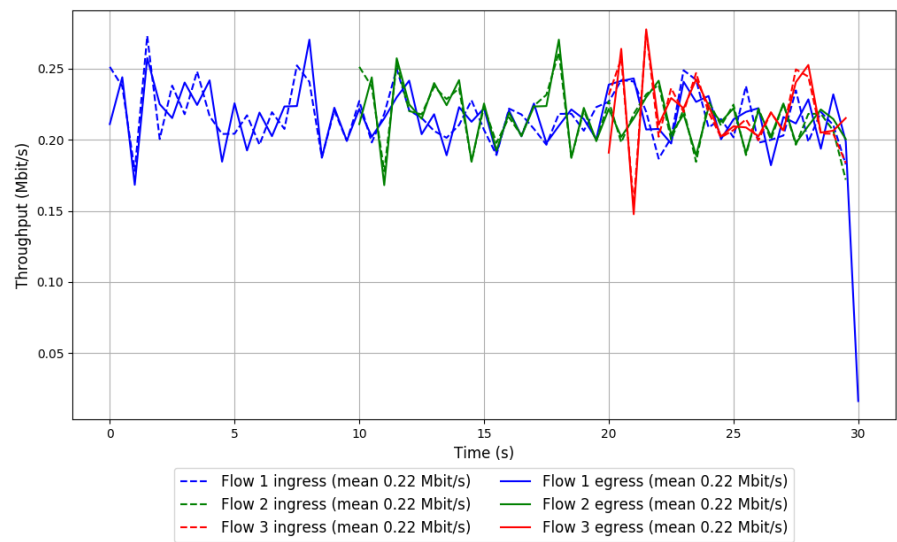
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.066 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

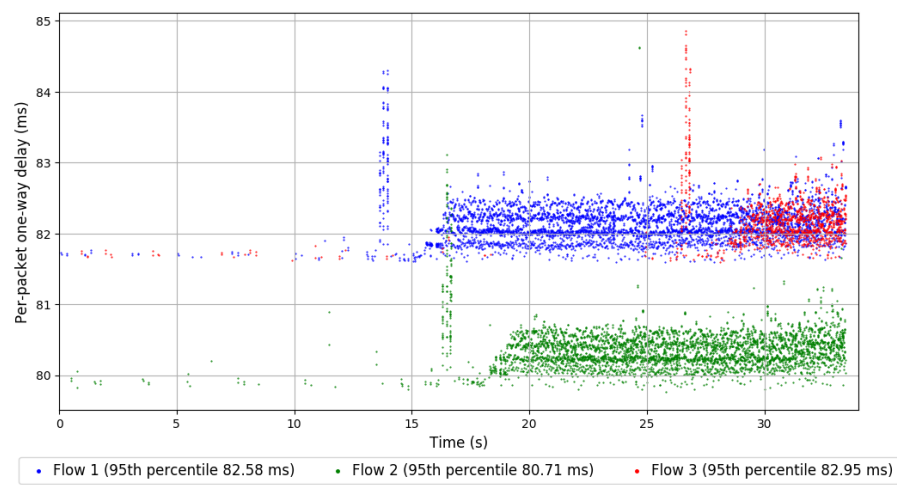
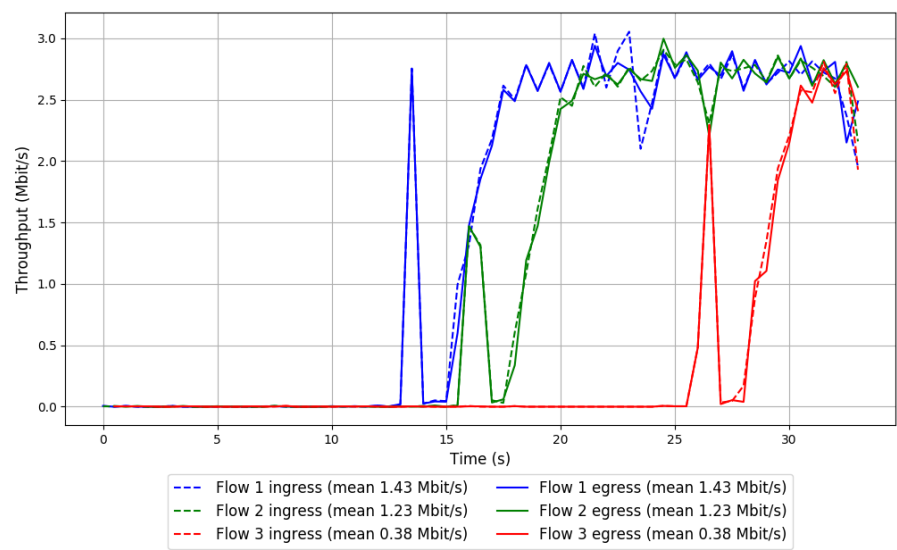


Run 1: Statistics of WebRTC media

Start at: 2018-01-02 10:35:43
End at: 2018-01-02 10:36:13
Local clock offset: -0.374 ms
Remote clock offset: -3.471 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 82.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 82.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 80.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 82.948 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

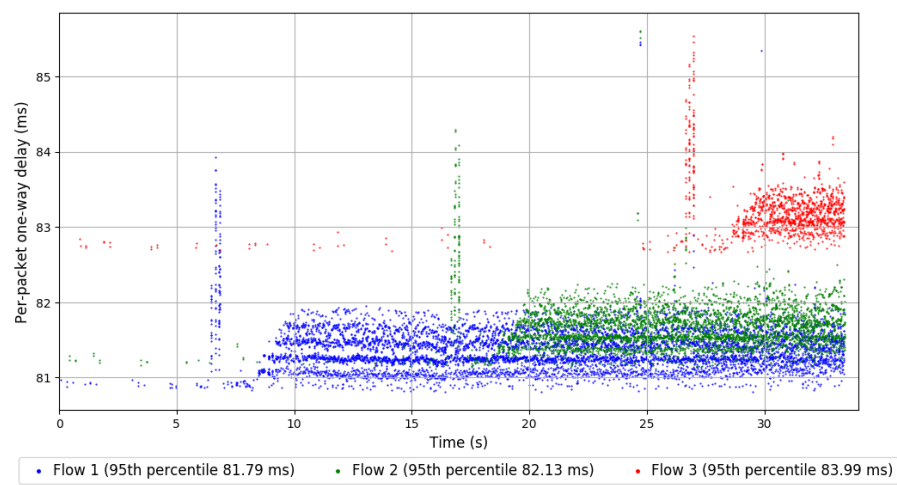
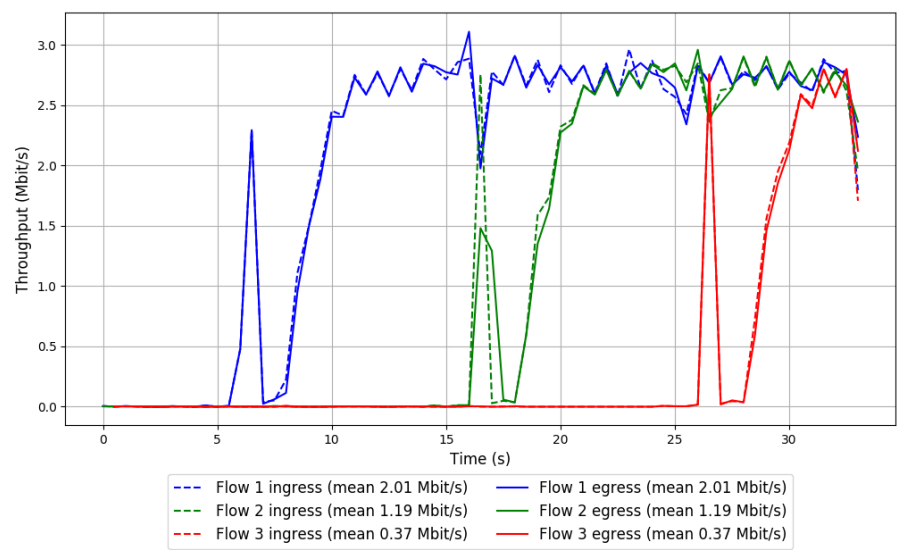


Run 2: Statistics of WebRTC media

Start at: 2018-01-02 10:55:09
End at: 2018-01-02 10:55:39
Local clock offset: -0.464 ms
Remote clock offset: -2.586 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 83.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 81.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 82.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 83.988 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

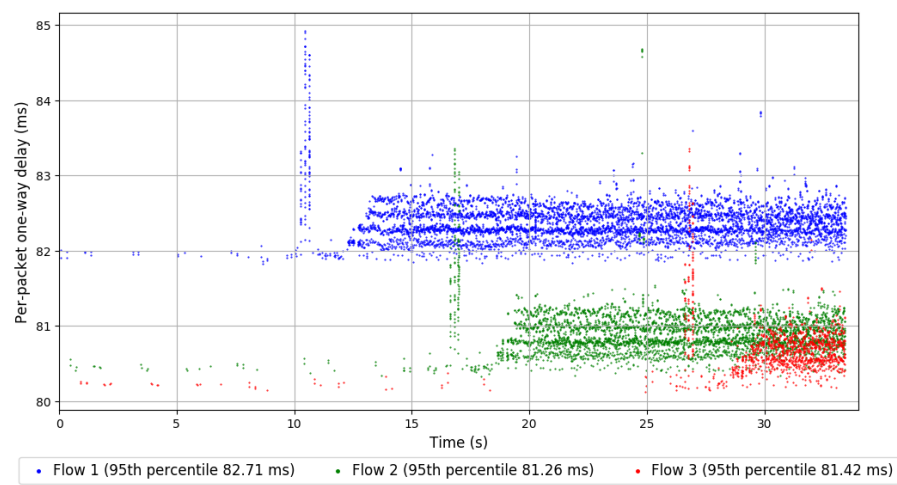
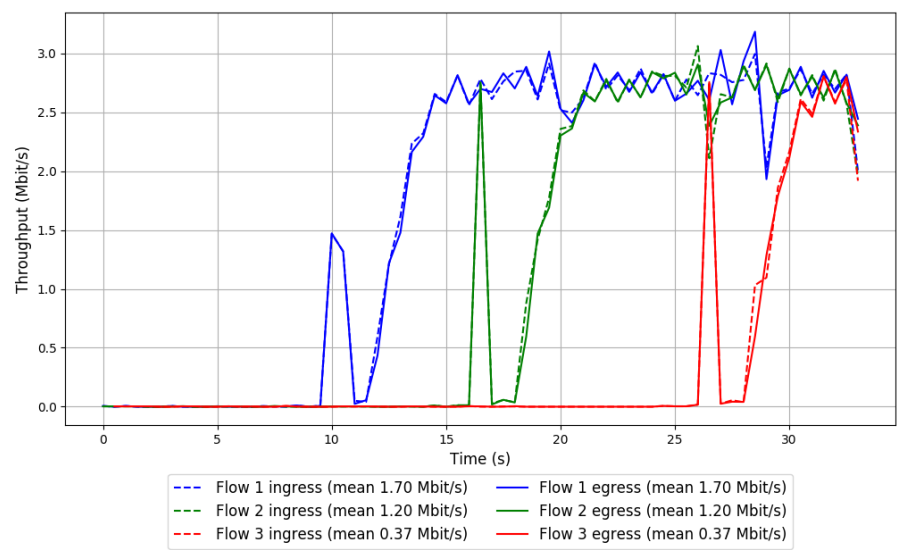


Run 3: Statistics of WebRTC media

Start at: 2018-01-02 11:14:47
End at: 2018-01-02 11:15:17
Local clock offset: -0.517 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 82.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 82.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 81.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 81.419 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

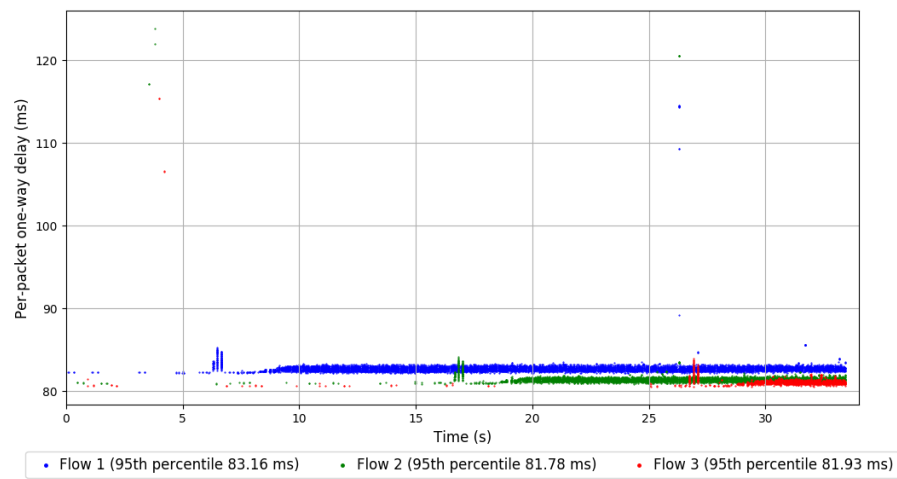
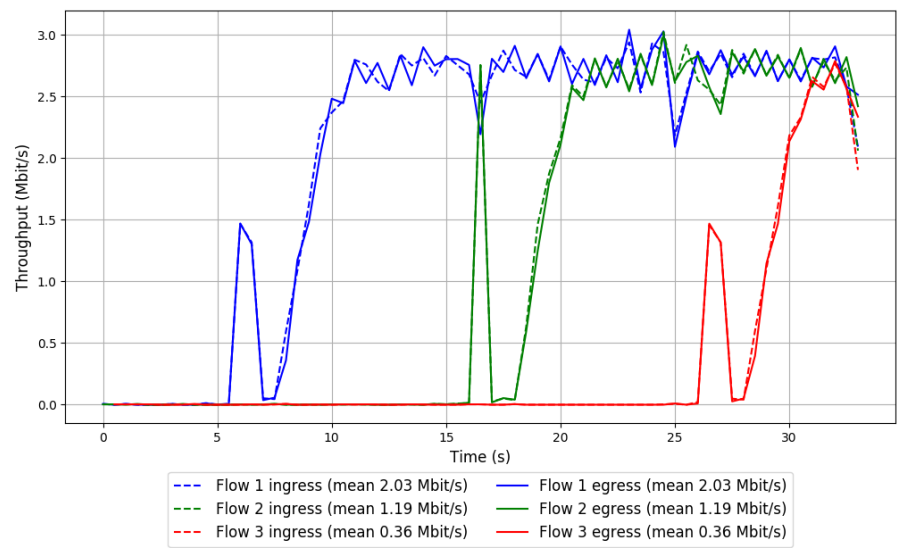


Run 4: Statistics of WebRTC media

Start at: 2018-01-02 11:34:13
End at: 2018-01-02 11:34:43
Local clock offset: -0.466 ms
Remote clock offset: -3.495 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 83.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 83.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 81.781 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 81.931 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

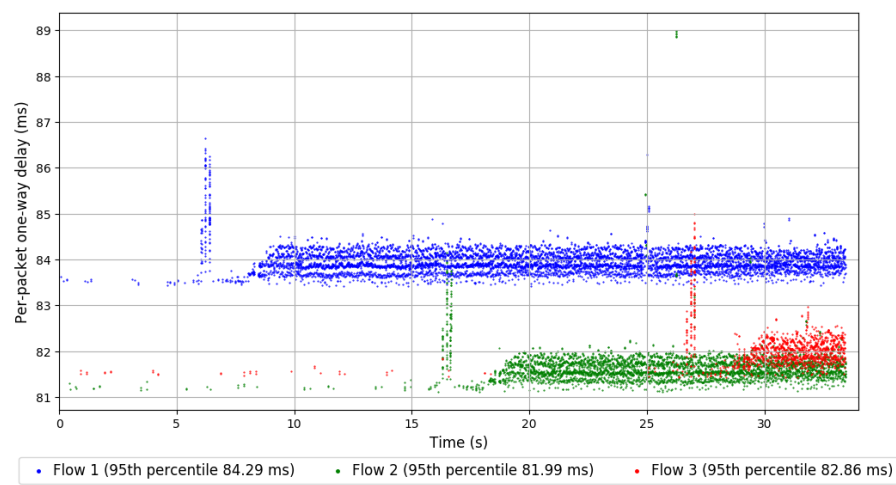
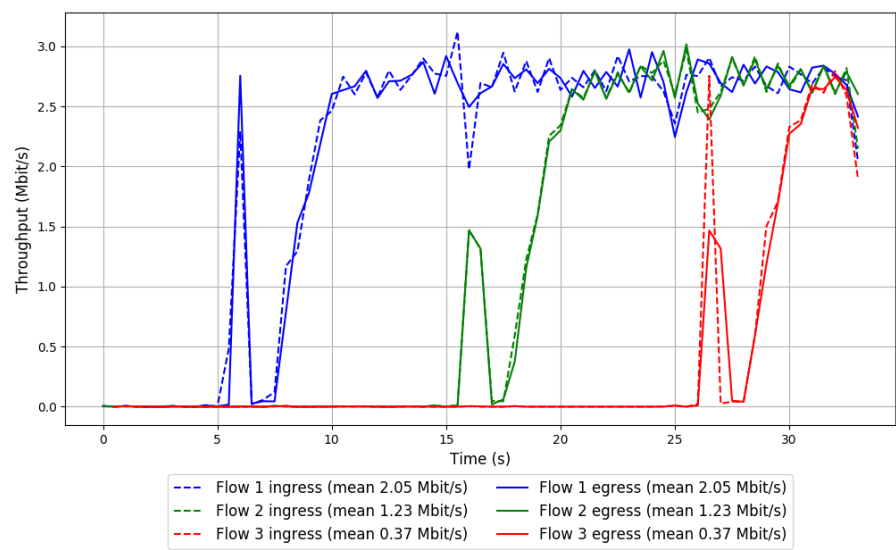


Run 5: Statistics of WebRTC media

Start at: 2018-01-02 11:53:35
End at: 2018-01-02 11:54:05
Local clock offset: -0.441 ms
Remote clock offset: -3.423 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 84.252 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 84.290 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 81.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 82.861 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

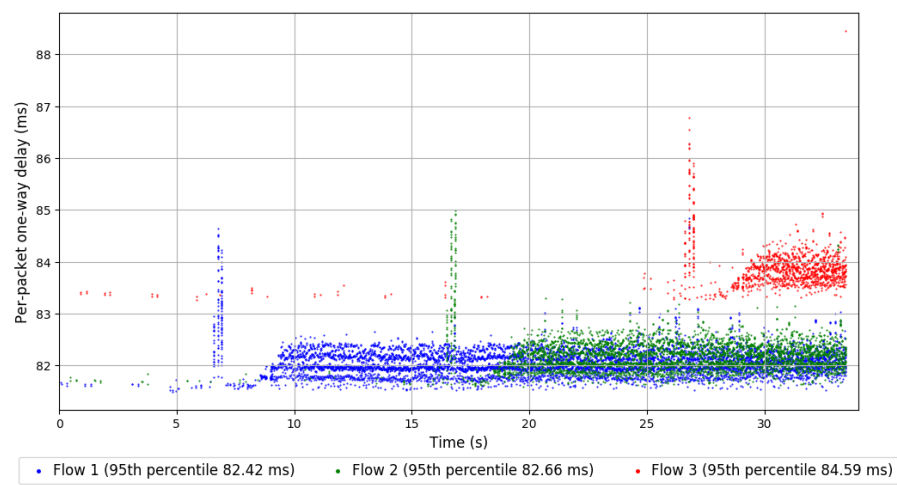
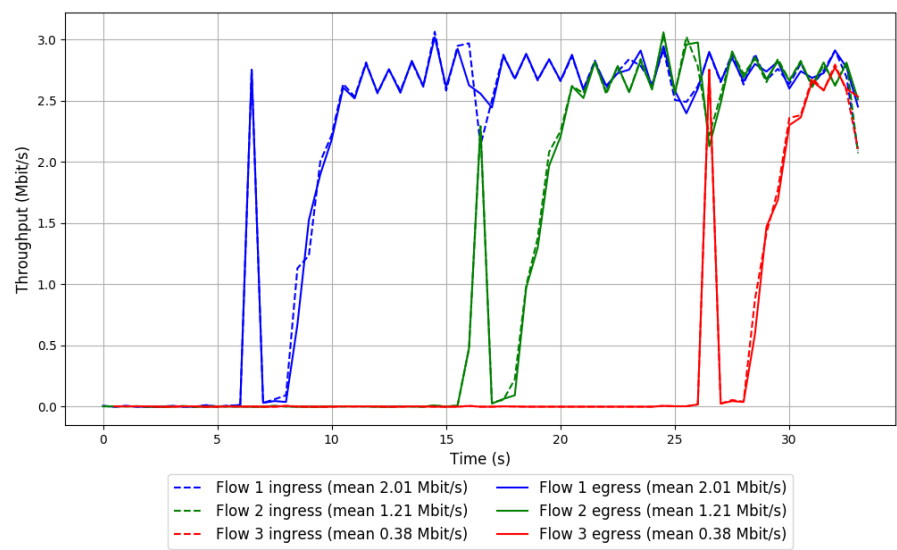


Run 6: Statistics of WebRTC media

Start at: 2018-01-02 12:12:54
End at: 2018-01-02 12:13:24
Local clock offset: -0.386 ms
Remote clock offset: -3.243 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 83.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 82.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 82.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 84.591 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

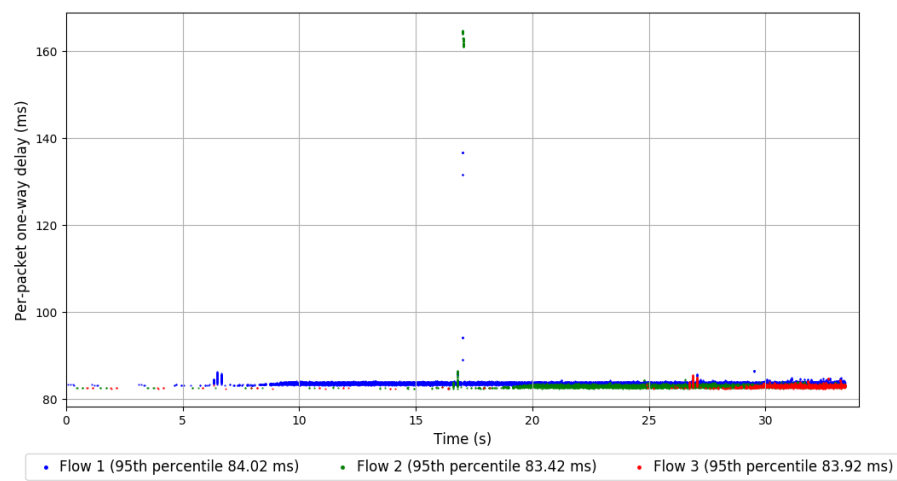
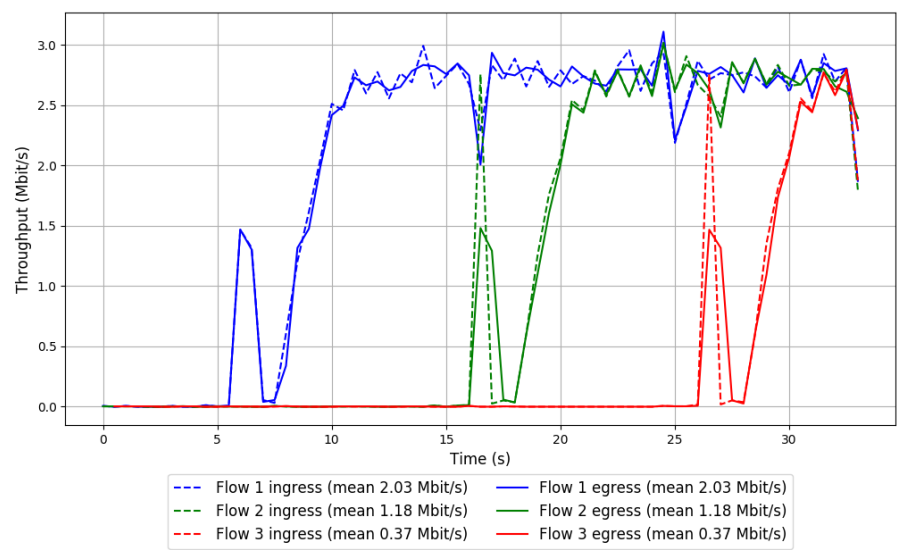


Run 7: Statistics of WebRTC media

Start at: 2018-01-02 12:32:21
End at: 2018-01-02 12:32:51
Local clock offset: -0.424 ms
Remote clock offset: -4.189 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 83.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 84.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 83.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 83.916 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

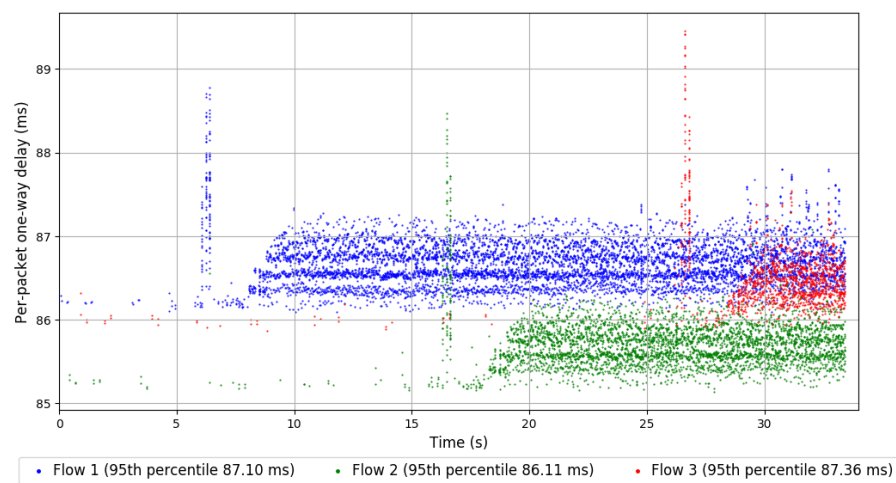
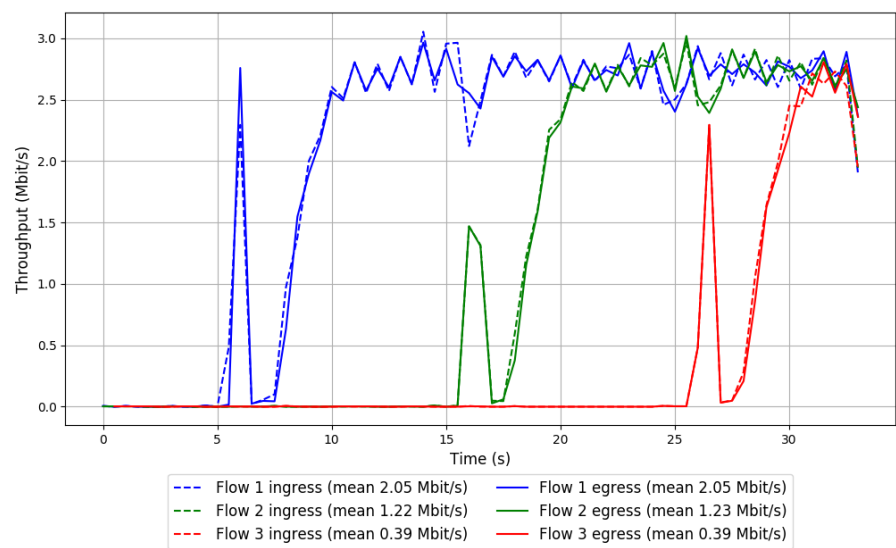


Run 8: Statistics of WebRTC media

Start at: 2018-01-02 12:50:50
End at: 2018-01-02 12:51:20
Local clock offset: -0.258 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 87.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 87.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 87.362 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

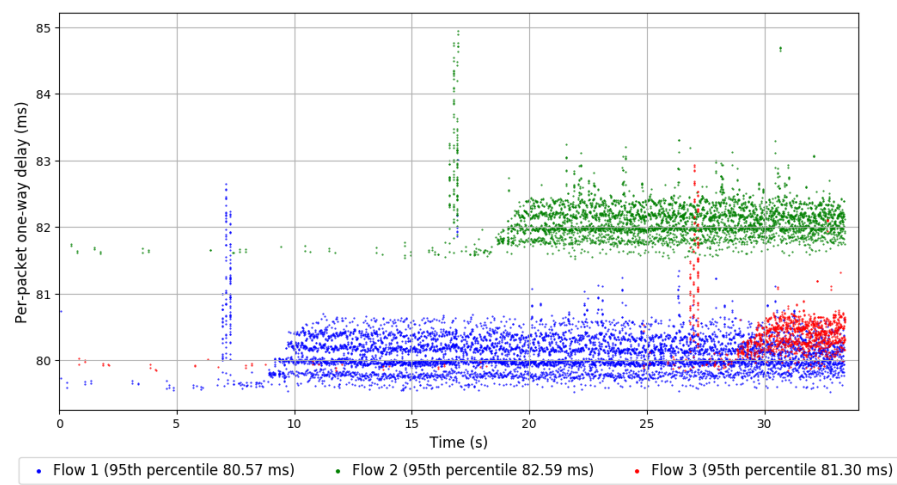
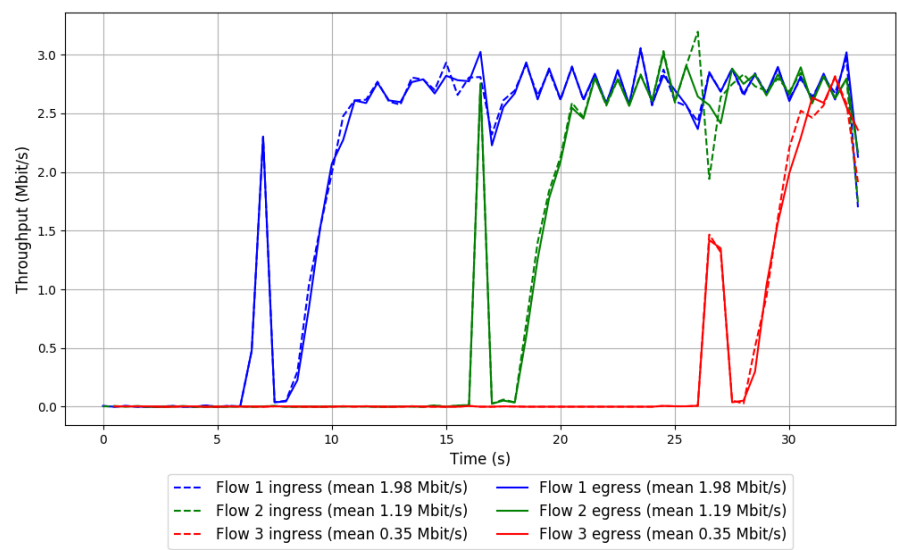


Run 9: Statistics of WebRTC media

Start at: 2018-01-02 13:10:21
End at: 2018-01-02 13:10:51
Local clock offset: -0.086 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 82.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 80.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 82.587 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 81.304 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-02 13:29:46

End at: 2018-01-02 13:30:16

Local clock offset: 0.081 ms

Remote clock offset: 0.804 ms

Below is generated by plot.py at 2018-01-02 14:10:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 87.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 87.277 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 87.166 ms

Loss rate: 0.00%

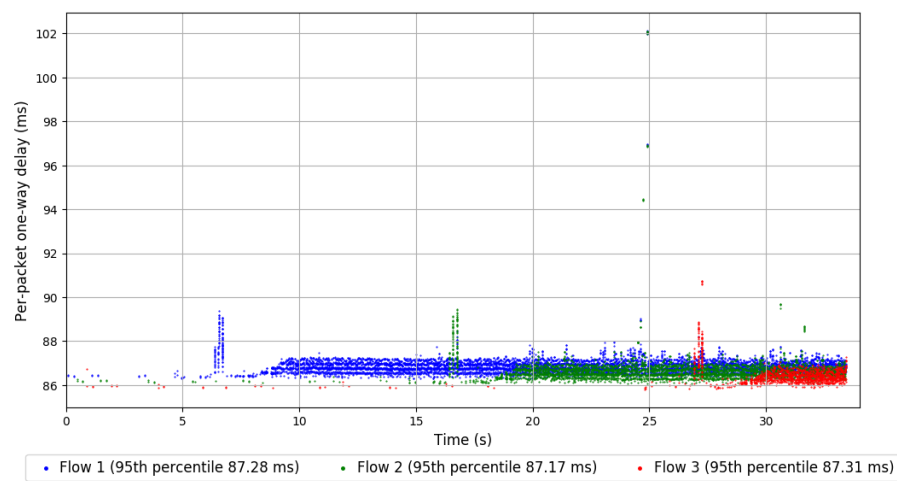
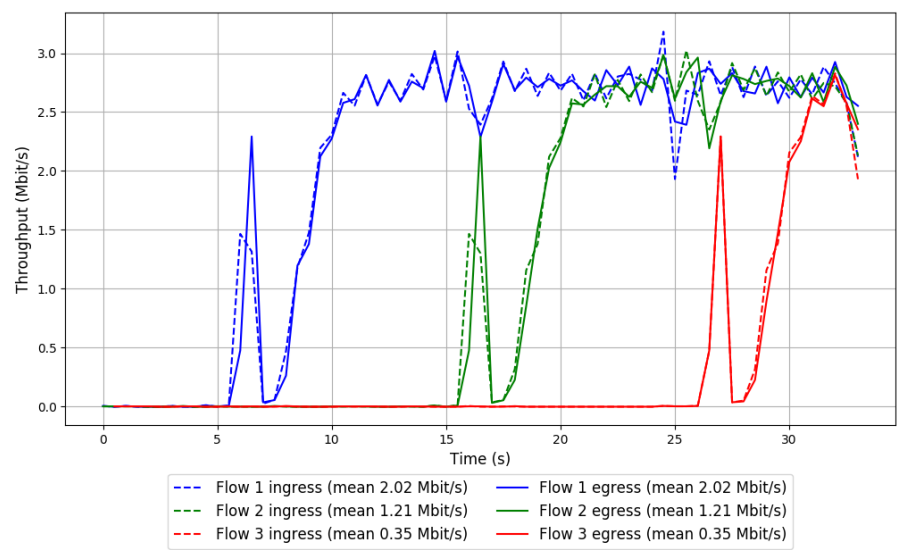
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 87.306 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

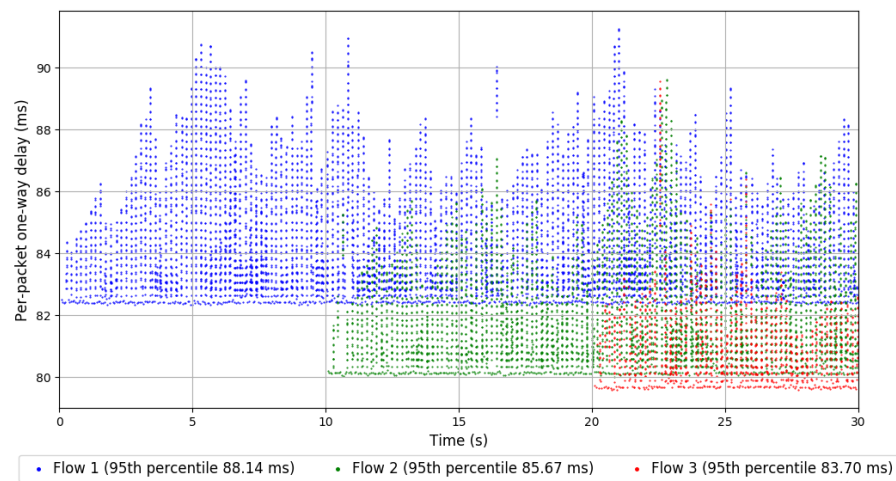
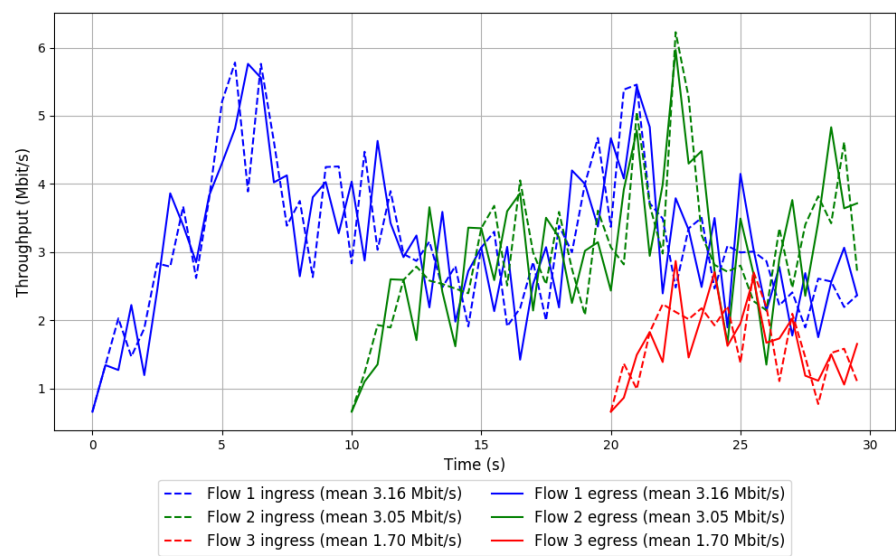


Run 1: Statistics of Sprout

Start at: 2018-01-02 10:31:49
End at: 2018-01-02 10:32:19
Local clock offset: -0.363 ms
Remote clock offset: -3.423 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 87.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 88.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 85.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 83.699 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

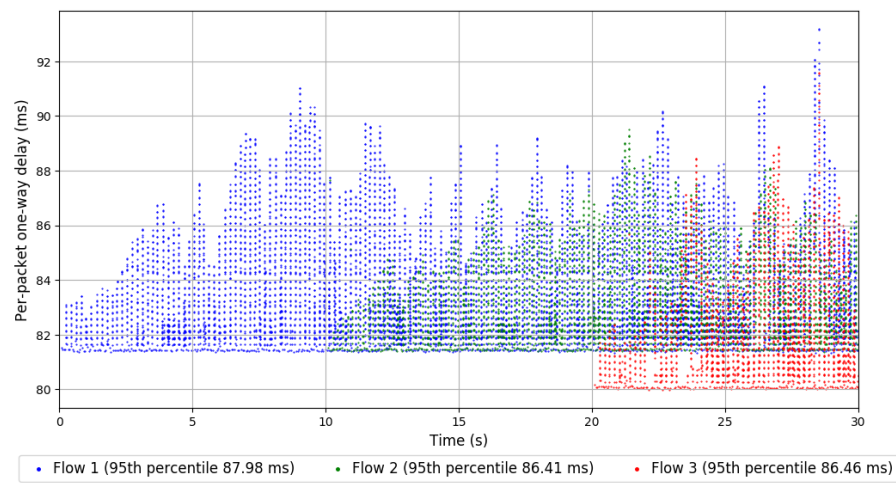
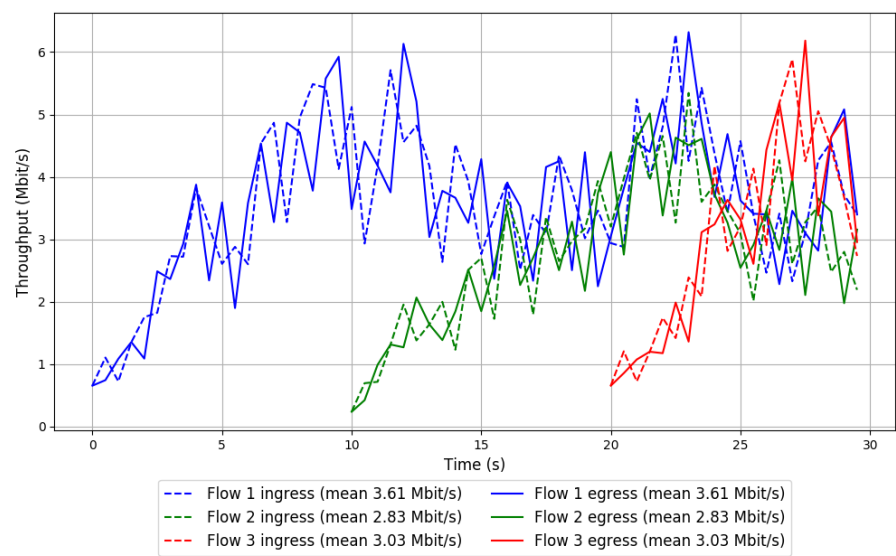


Run 2: Statistics of Sprout

Start at: 2018-01-02 10:51:20
End at: 2018-01-02 10:51:50
Local clock offset: -0.446 ms
Remote clock offset: -3.802 ms

```
# Below is generated by plot.py at 2018-01-02 14:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 87.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 87.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 86.405 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

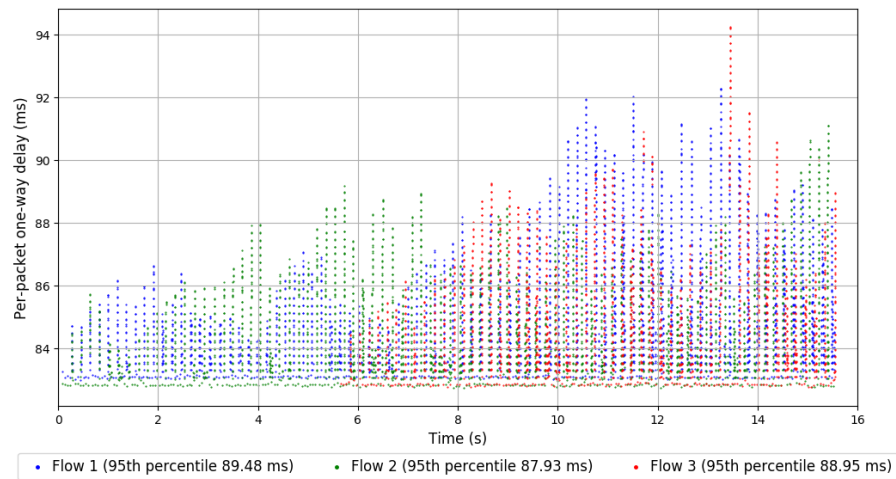
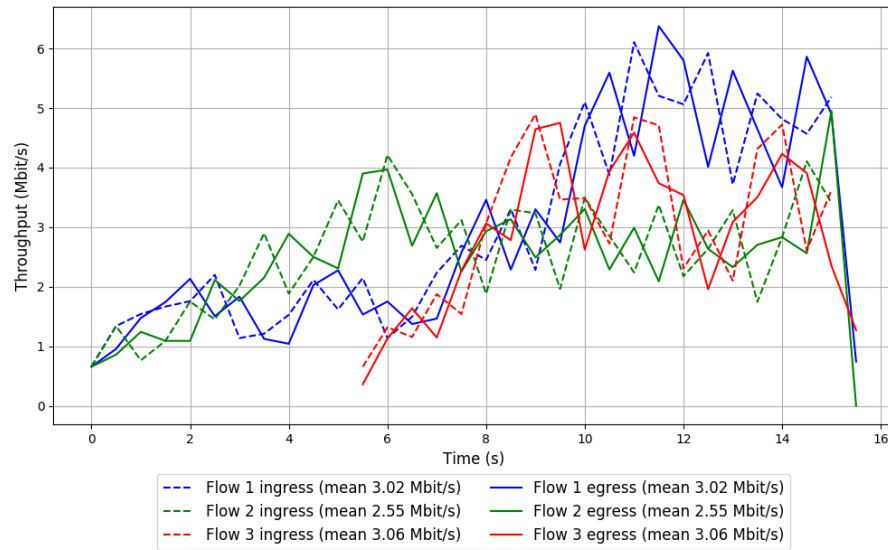
Start at: 2018-01-02 11:10:52

End at: 2018-01-02 11:11:22

Local clock offset: -0.524 ms

Remote clock offset: -2.716 ms

Run 3: Report of Sprout — Data Link

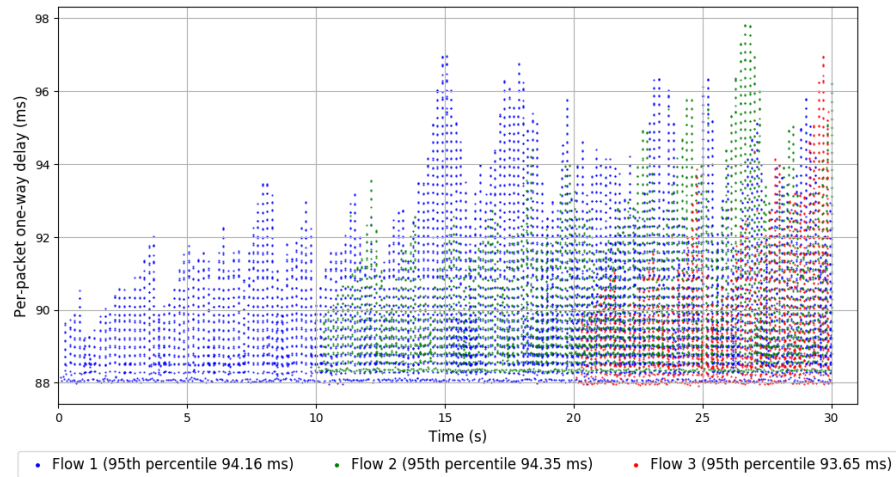
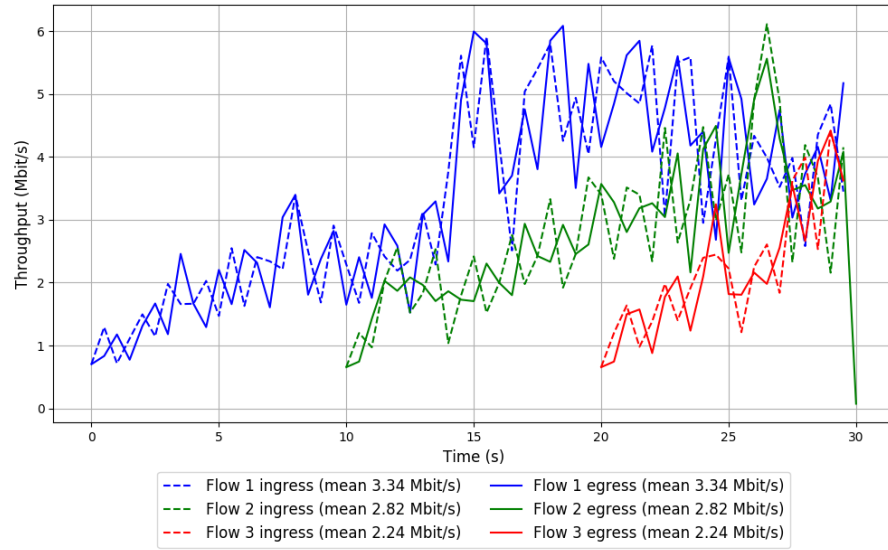


Run 4: Statistics of Sprout

Start at: 2018-01-02 11:30:23
End at: 2018-01-02 11:30:53
Local clock offset: -0.509 ms
Remote clock offset: 2.225 ms

```
# Below is generated by plot.py at 2018-01-02 14:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 94.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 94.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 94.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 93.651 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

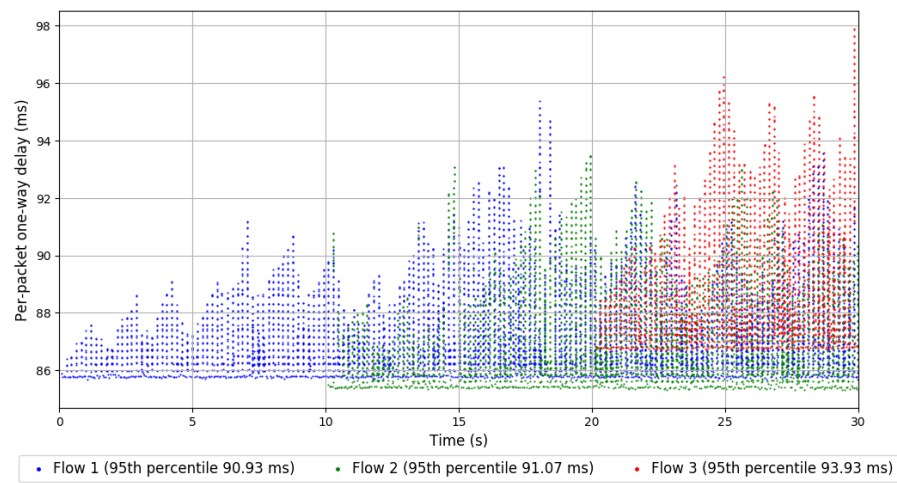
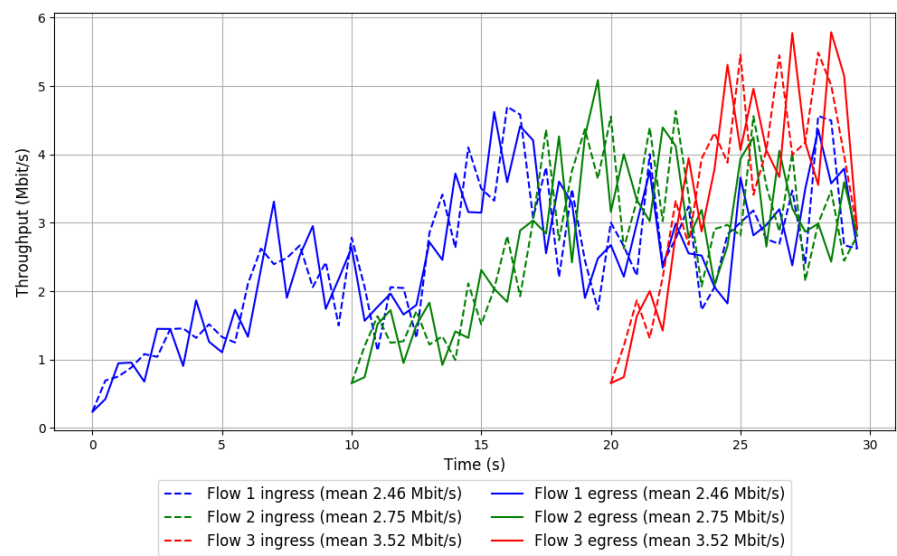


Run 5: Statistics of Sprout

Start at: 2018-01-02 11:49:45
End at: 2018-01-02 11:50:15
Local clock offset: -0.419 ms
Remote clock offset: 0.682 ms

```
# Below is generated by plot.py at 2018-01-02 14:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 92.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 90.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 91.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 93.928 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

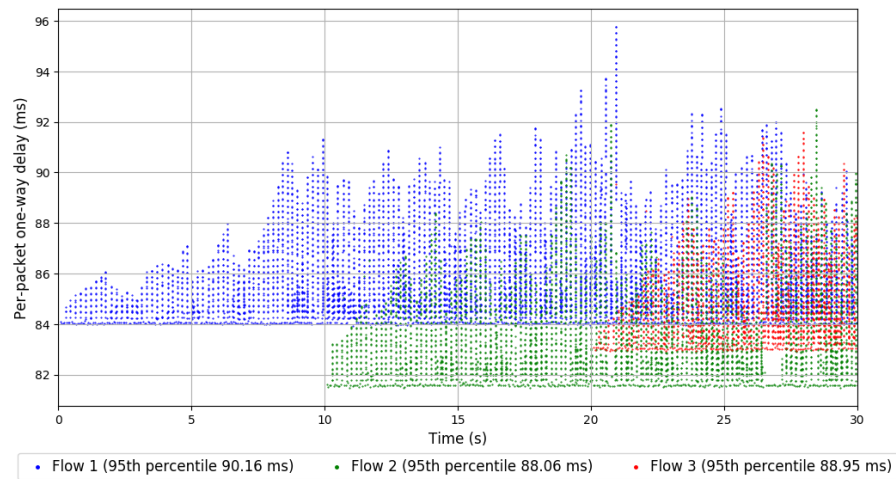
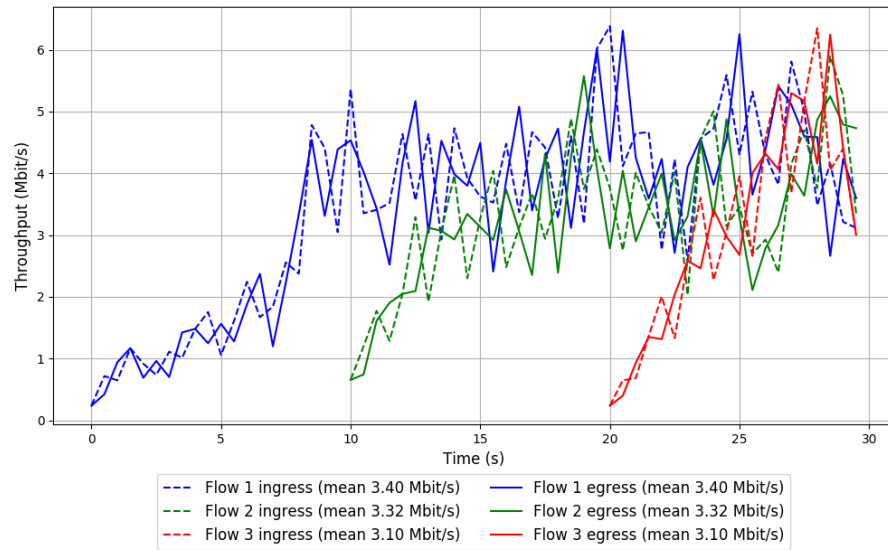


Run 6: Statistics of Sprout

Start at: 2018-01-02 12:09:05
End at: 2018-01-02 12:09:35
Local clock offset: -0.425 ms
Remote clock offset: -3.056 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 89.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 90.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 88.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 88.952 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

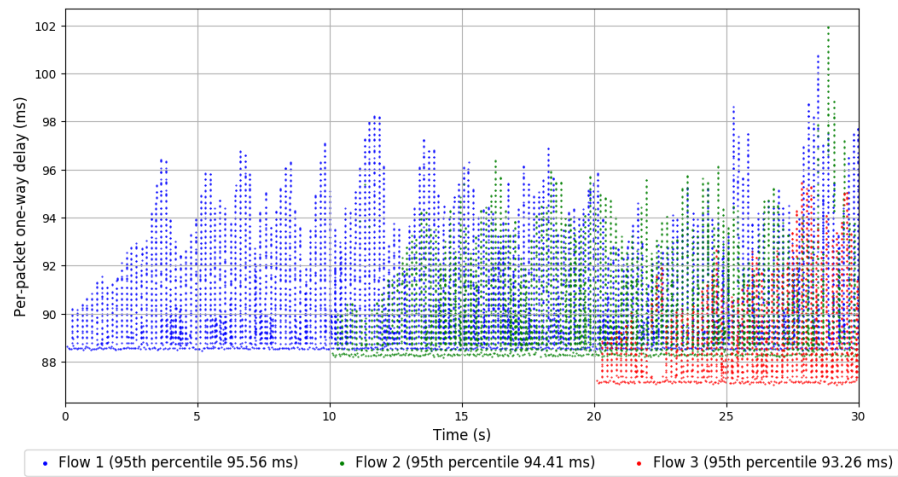
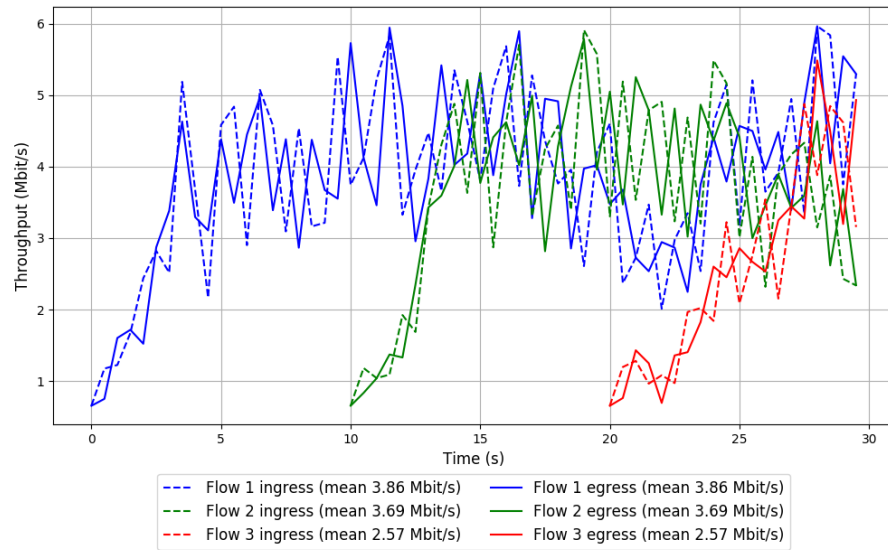


Run 7: Statistics of Sprout

Start at: 2018-01-02 12:28:31
End at: 2018-01-02 12:29:01
Local clock offset: -0.358 ms
Remote clock offset: 1.829 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 95.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 95.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 94.413 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 93.261 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

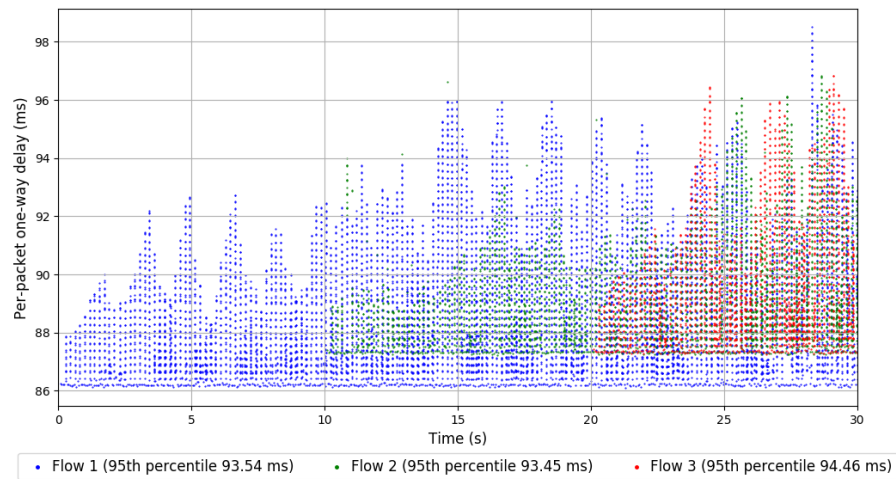
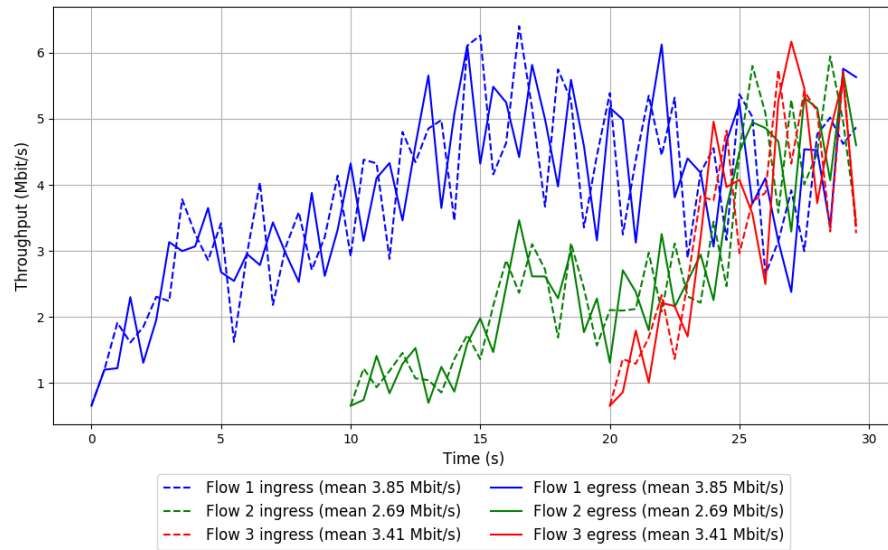


Run 8: Statistics of Sprout

Start at: 2018-01-02 12:46:56
End at: 2018-01-02 12:47:26
Local clock offset: -0.307 ms
Remote clock offset: 0.9 ms

```
# Below is generated by plot.py at 2018-01-02 14:10:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 93.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 93.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 93.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 94.462 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

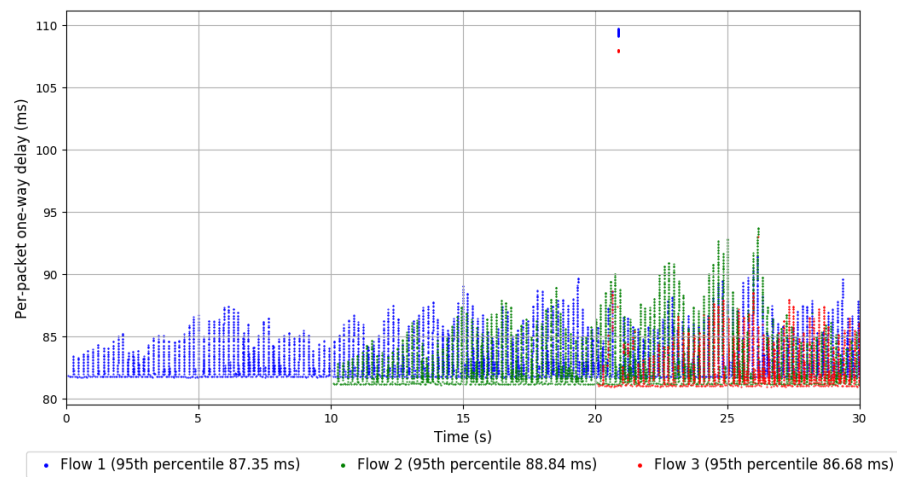
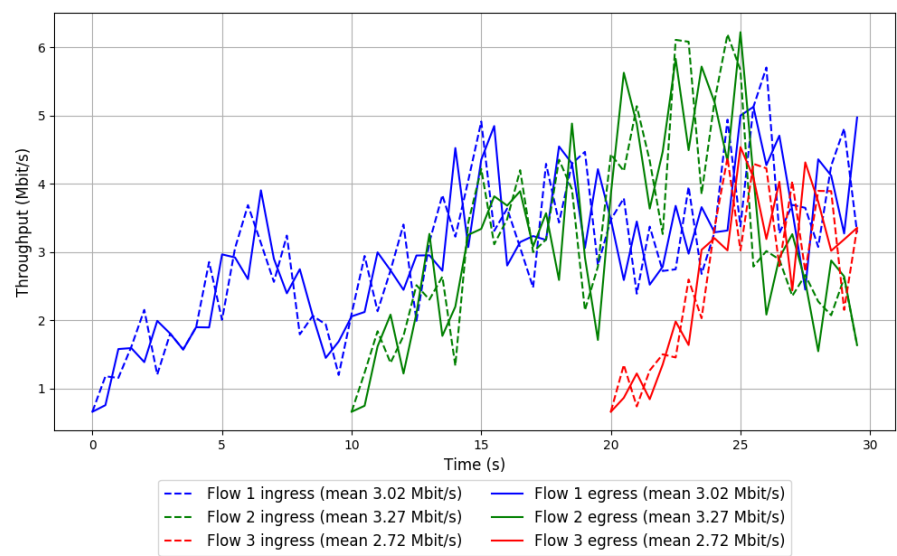


Run 9: Statistics of Sprout

Start at: 2018-01-02 13:06:28
End at: 2018-01-02 13:06:58
Local clock offset: -0.121 ms
Remote clock offset: -4.164 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 87.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 87.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 88.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 86.678 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

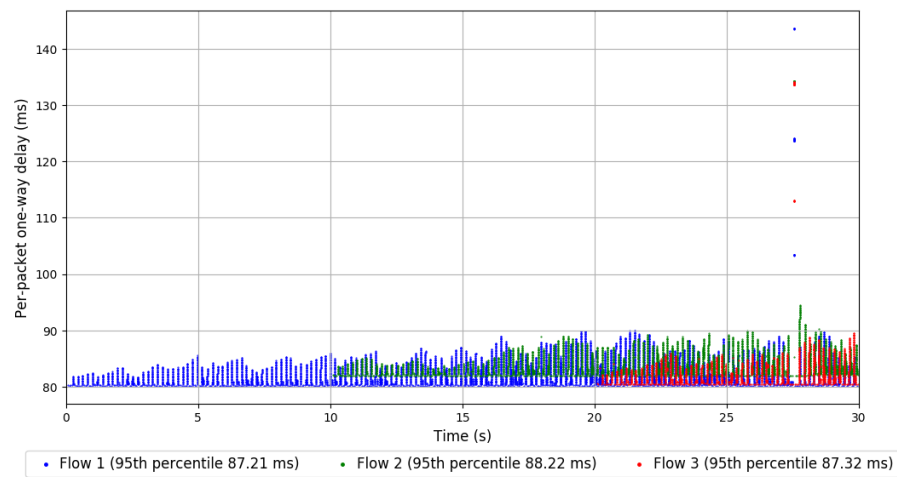
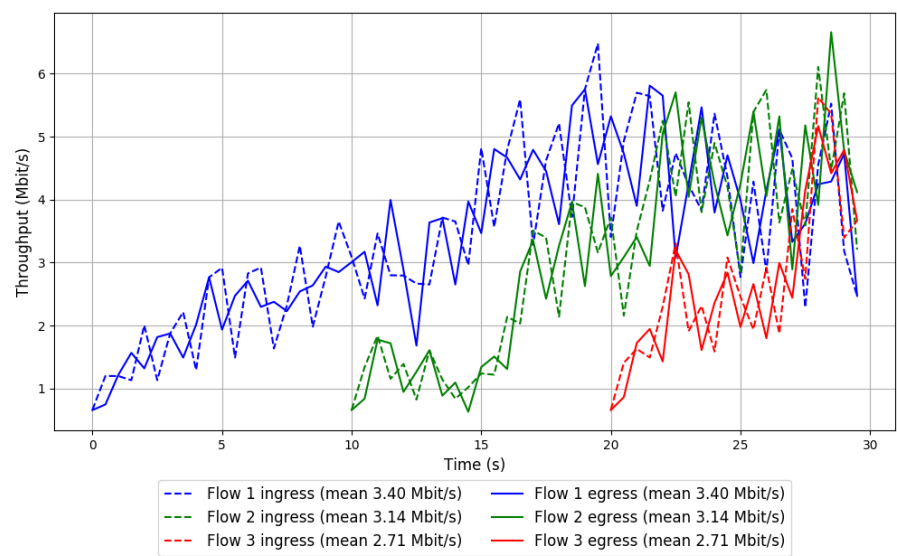


Run 10: Statistics of Sprout

Start at: 2018-01-02 13:25:57
End at: 2018-01-02 13:26:27
Local clock offset: -0.03 ms
Remote clock offset: -5.198 ms

Below is generated by plot.py at 2018-01-02 14:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 87.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 87.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 88.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 87.321 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

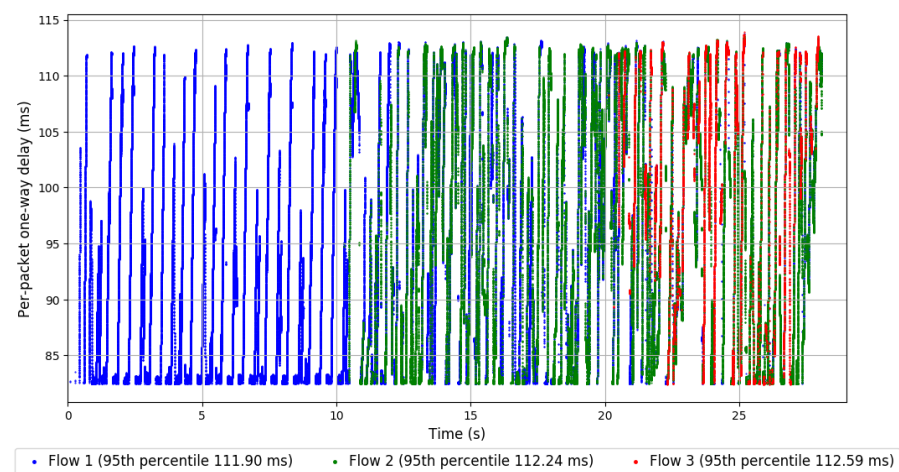
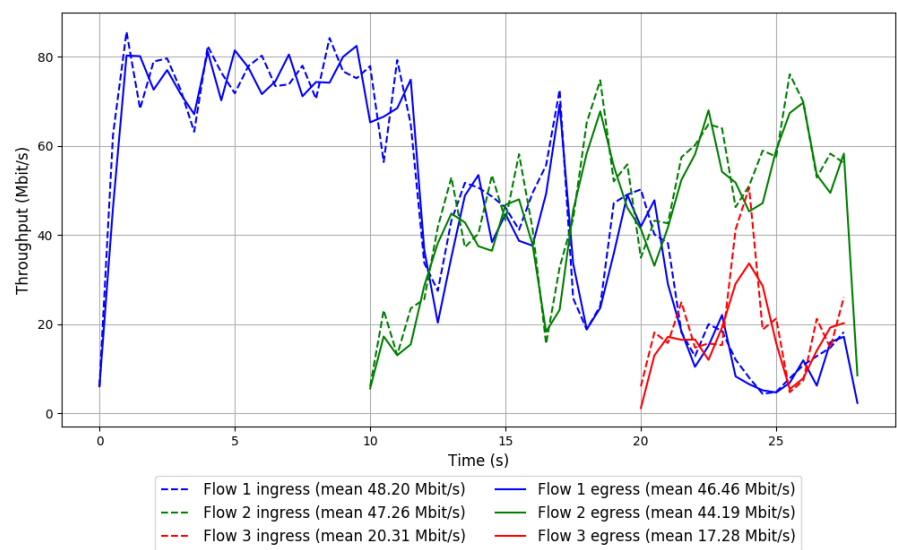


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-02 10:34:21
End at: 2018-01-02 10:34:51
Local clock offset: -0.386 ms
Remote clock offset: -2.594 ms

# Below is generated by plot.py at 2018-01-02 14:11:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.61 Mbit/s
95th percentile per-packet one-way delay: 112.084 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 112.241 ms
Loss rate: 6.38%
-- Flow 3:
Average throughput: 17.28 Mbit/s
95th percentile per-packet one-way delay: 112.589 ms
Loss rate: 14.86%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-01-02 10:53:48

End at: 2018-01-02 10:54:18

Local clock offset: -0.466 ms

Remote clock offset: 1.782 ms

Below is generated by plot.py at 2018-01-02 14:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.00 Mbit/s

95th percentile per-packet one-way delay: 115.857 ms

Loss rate: 4.63%

-- Flow 1:

Average throughput: 46.30 Mbit/s

95th percentile per-packet one-way delay: 115.193 ms

Loss rate: 3.44%

-- Flow 2:

Average throughput: 27.78 Mbit/s

95th percentile per-packet one-way delay: 117.161 ms

Loss rate: 7.94%

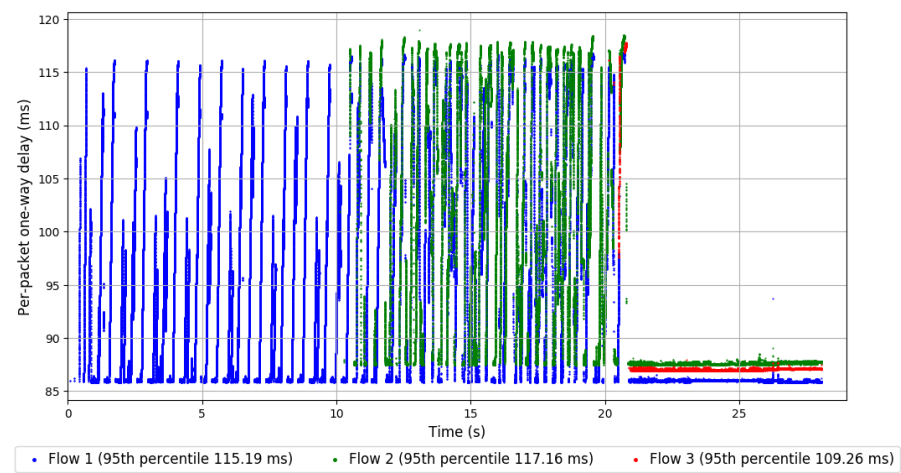
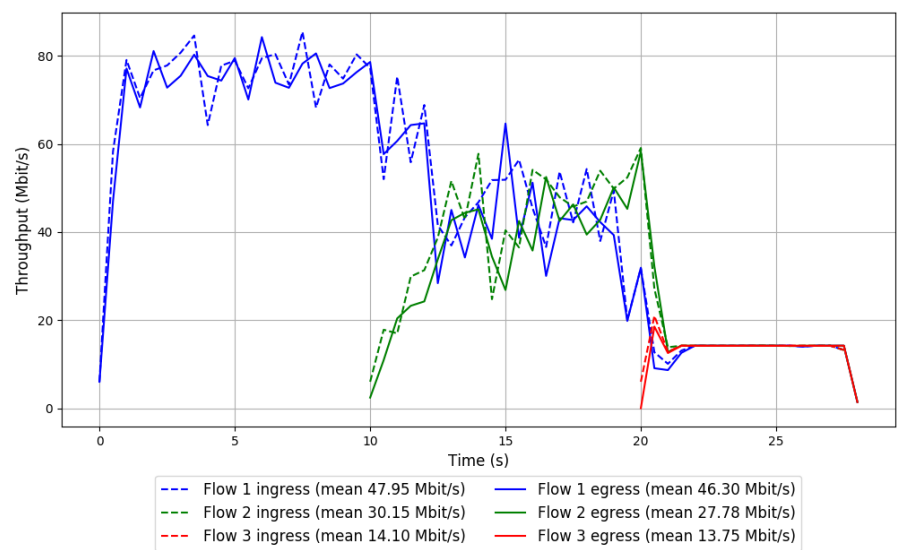
-- Flow 3:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 109.261 ms

Loss rate: 2.82%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-02 11:13:25

End at: 2018-01-02 11:13:55

Local clock offset: -0.444 ms

Remote clock offset: -2.39 ms

Below is generated by plot.py at 2018-01-02 14:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.91 Mbit/s

95th percentile per-packet one-way delay: 111.377 ms

Loss rate: 5.46%

-- Flow 1:

Average throughput: 50.44 Mbit/s

95th percentile per-packet one-way delay: 111.004 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 30.23 Mbit/s

95th percentile per-packet one-way delay: 111.436 ms

Loss rate: 8.31%

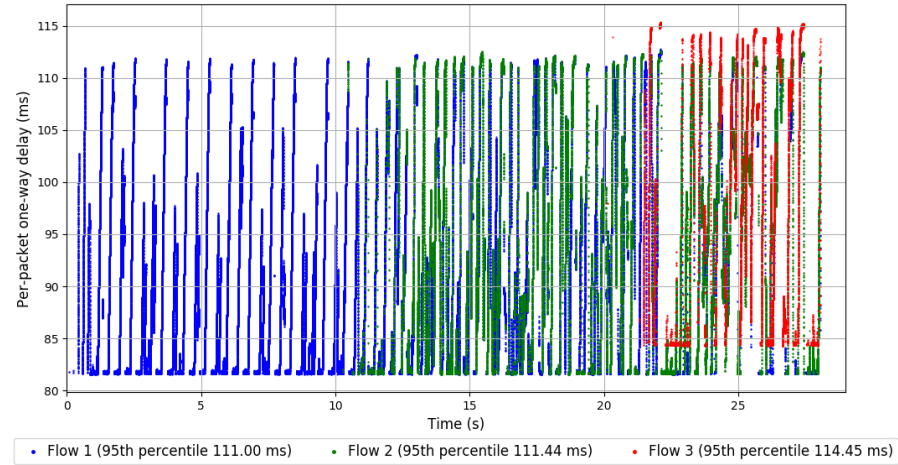
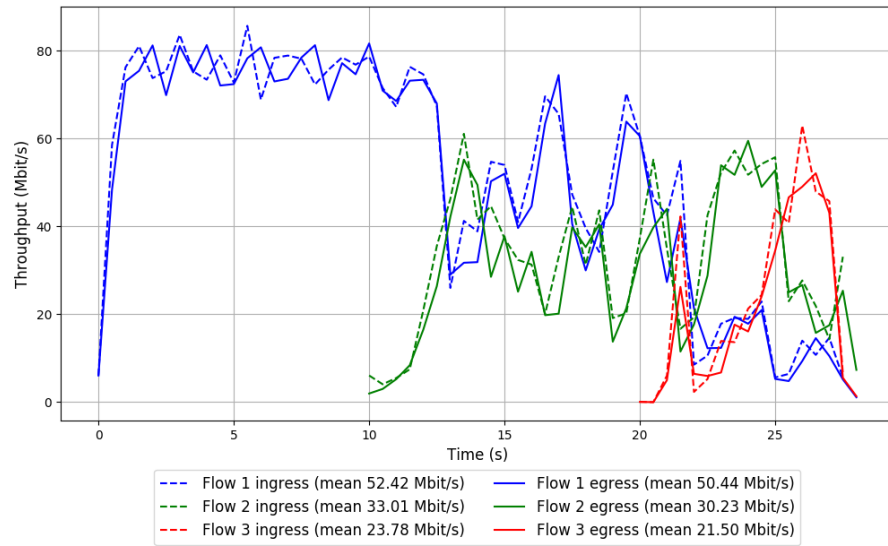
-- Flow 3:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 114.449 ms

Loss rate: 9.74%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-02 11:32:51

End at: 2018-01-02 11:33:21

Local clock offset: -0.522 ms

Remote clock offset: 1.681 ms

Below is generated by plot.py at 2018-01-02 14:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 115.883 ms

Loss rate: 5.73%

-- Flow 1:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 115.703 ms

Loss rate: 4.30%

-- Flow 2:

Average throughput: 38.07 Mbit/s

95th percentile per-packet one-way delay: 116.044 ms

Loss rate: 7.58%

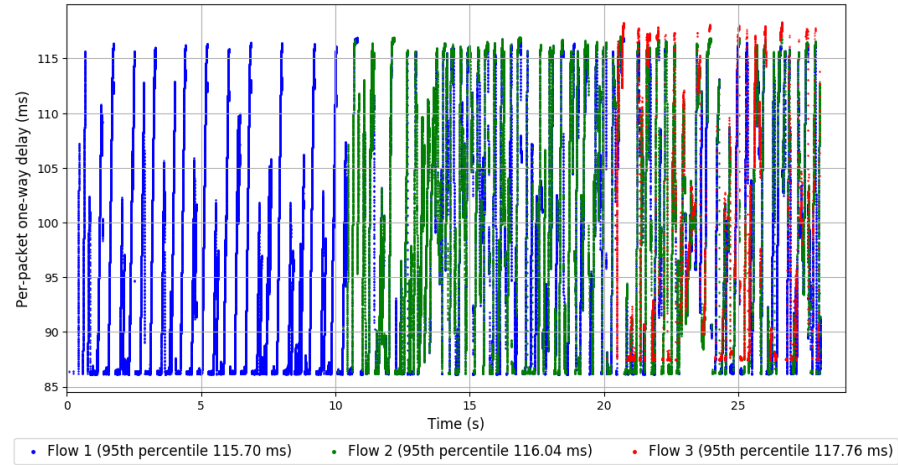
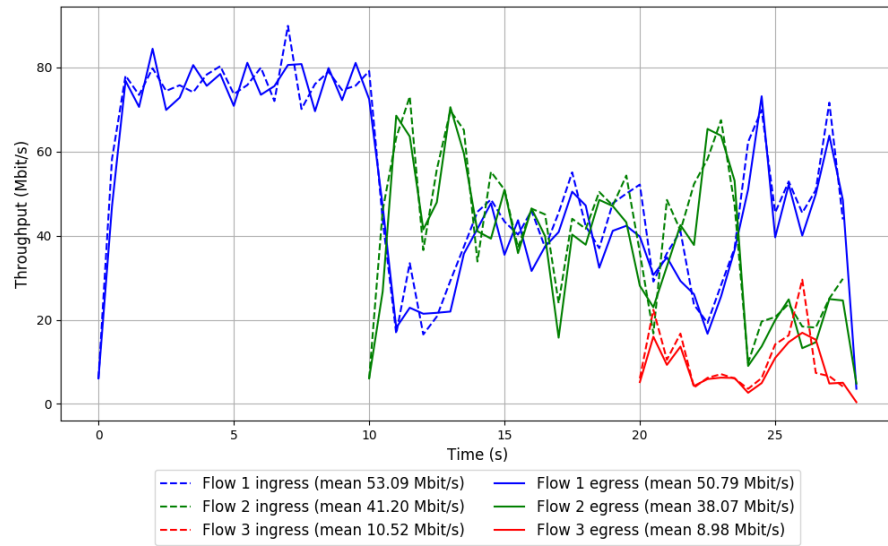
-- Flow 3:

Average throughput: 8.98 Mbit/s

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

Loss rate: 14.63%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-02 11:52:14

End at: 2018-01-02 11:52:44

Local clock offset: -0.478 ms

Remote clock offset: 1.891 ms

Below is generated by plot.py at 2018-01-02 14:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.75 Mbit/s

95th percentile per-packet one-way delay: 116.266 ms

Loss rate: 6.18%

-- Flow 1:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 115.980 ms

Loss rate: 4.49%

-- Flow 2:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 116.451 ms

Loss rate: 7.55%

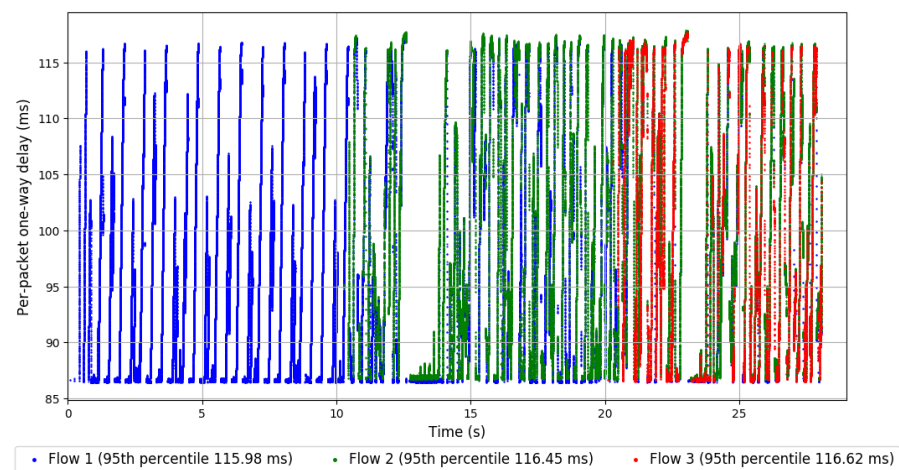
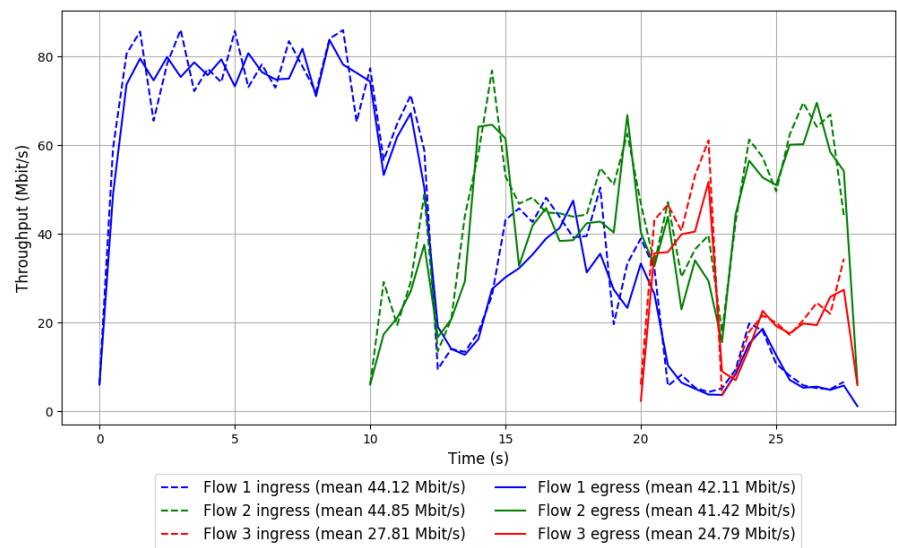
-- Flow 3:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 116.624 ms

Loss rate: 10.67%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-02 12:11:33

End at: 2018-01-02 12:12:03

Local clock offset: -0.397 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2018-01-02 14:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 117.002 ms

Loss rate: 6.07%

-- Flow 1:

Average throughput: 44.59 Mbit/s

95th percentile per-packet one-way delay: 117.233 ms

Loss rate: 4.81%

-- Flow 2:

Average throughput: 40.11 Mbit/s

95th percentile per-packet one-way delay: 116.674 ms

Loss rate: 6.67%

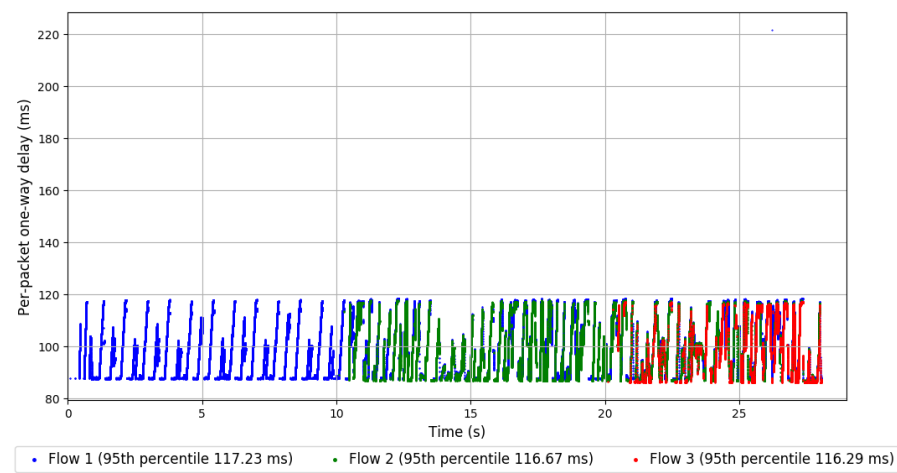
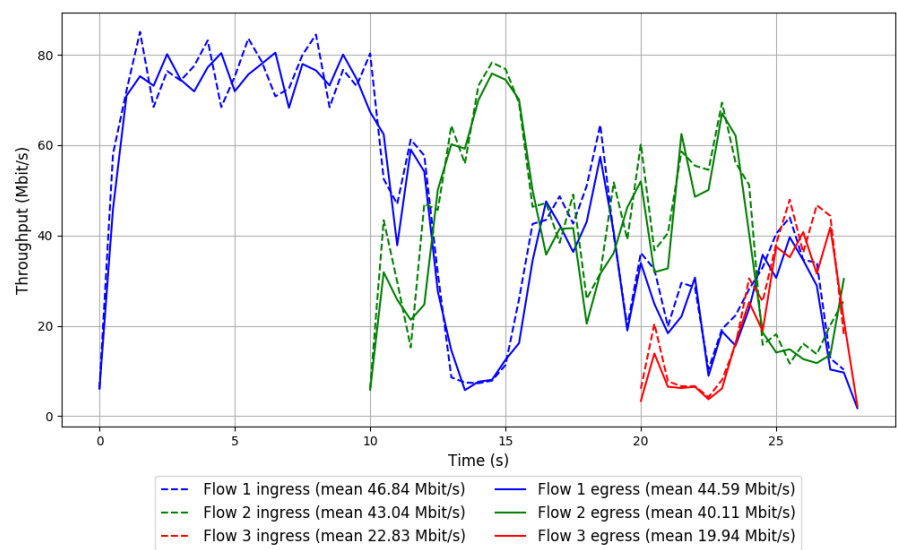
-- Flow 3:

Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 116.294 ms

Loss rate: 12.66%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-02 12:31:00

End at: 2018-01-02 12:31:30

Local clock offset: -0.403 ms

Remote clock offset: 1.934 ms

Below is generated by plot.py at 2018-01-02 14:12:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 117.887 ms

Loss rate: 5.31%

-- Flow 1:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 118.128 ms

Loss rate: 3.67%

-- Flow 2:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 116.450 ms

Loss rate: 8.10%

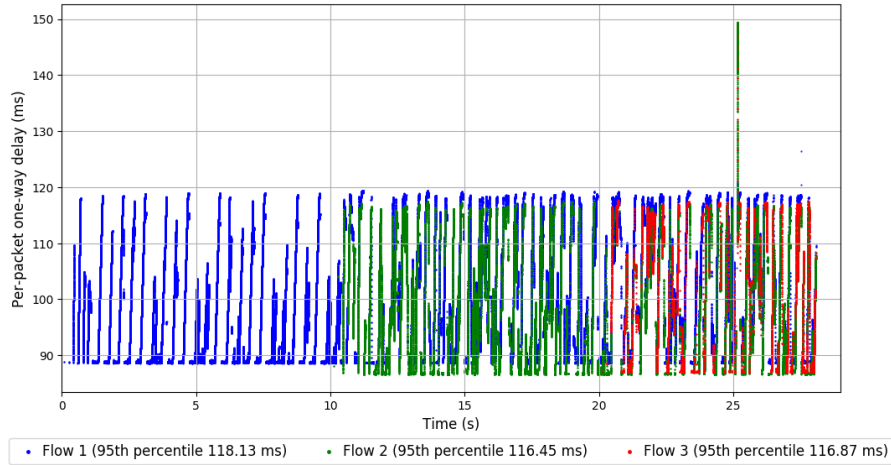
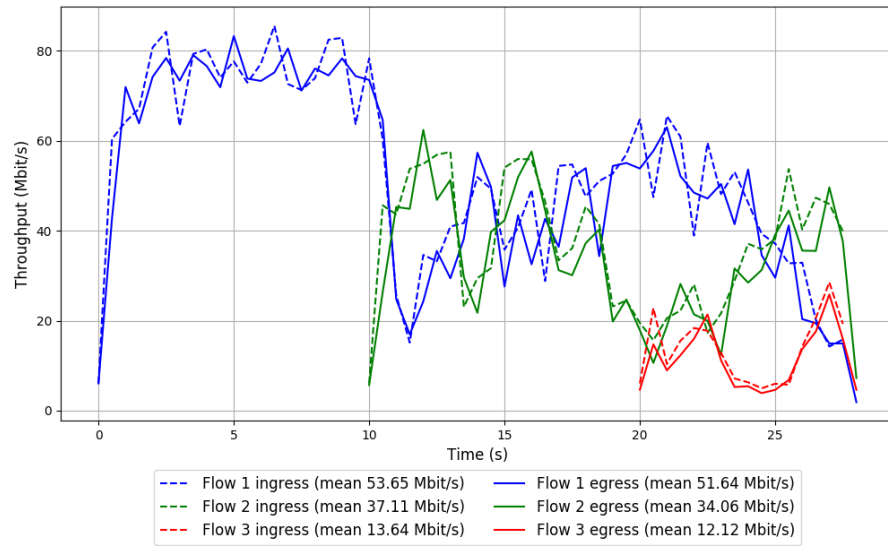
-- Flow 3:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 116.874 ms

Loss rate: 10.95%

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

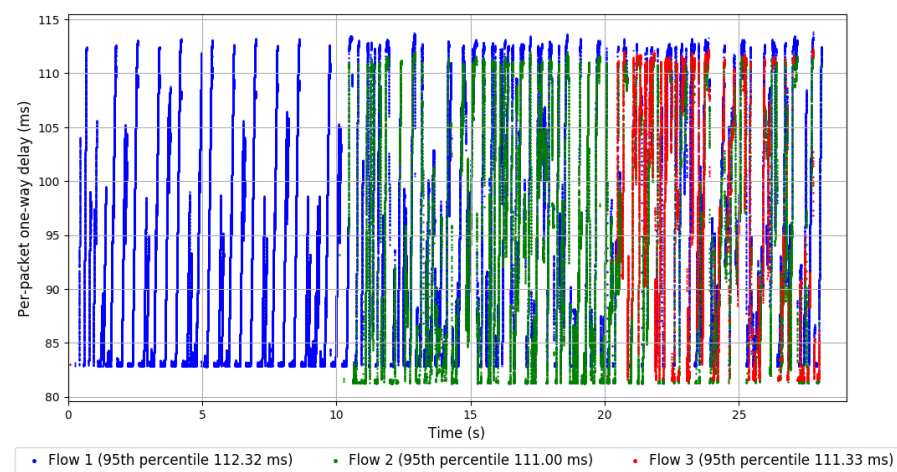
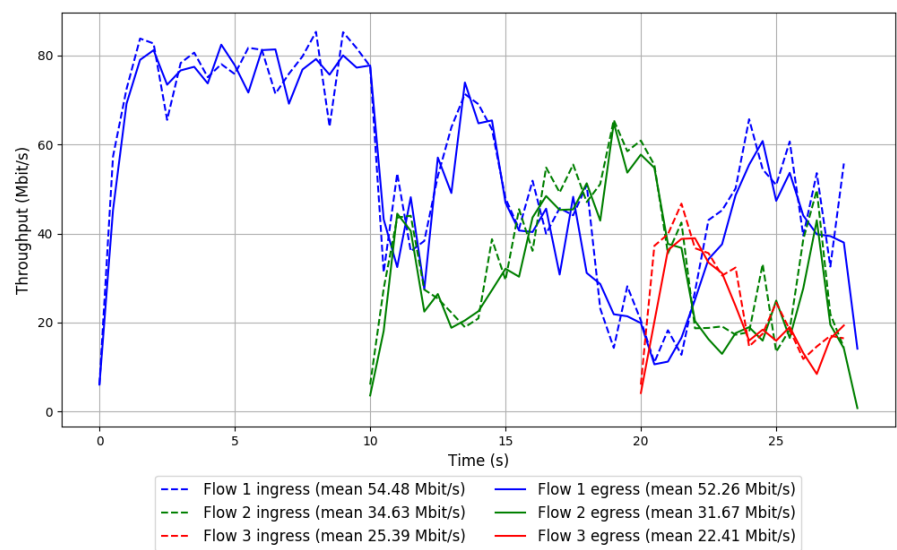


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-02 12:49:28
End at: 2018-01-02 12:49:58
Local clock offset: -0.266 ms
Remote clock offset: -4.026 ms

Below is generated by plot.py at 2018-01-02 14:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 112.027 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 112.317 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 111.000 ms
Loss rate: 8.46%
-- Flow 3:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 111.335 ms
Loss rate: 11.67%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 13:09:01

End at: 2018-01-02 13:09:31

Local clock offset: -0.115 ms

Remote clock offset: 0.596 ms

Below is generated by plot.py at 2018-01-02 14:13:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 117.520 ms

Loss rate: 4.85%

-- Flow 1:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: 117.113 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 117.625 ms

Loss rate: 8.32%

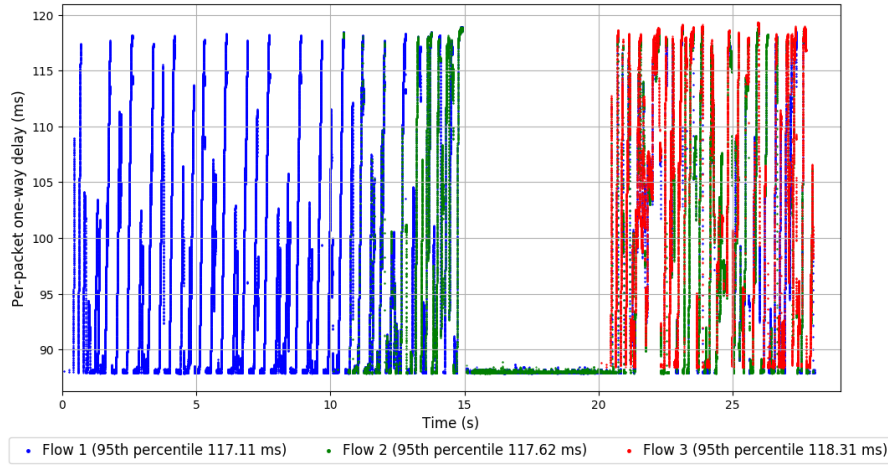
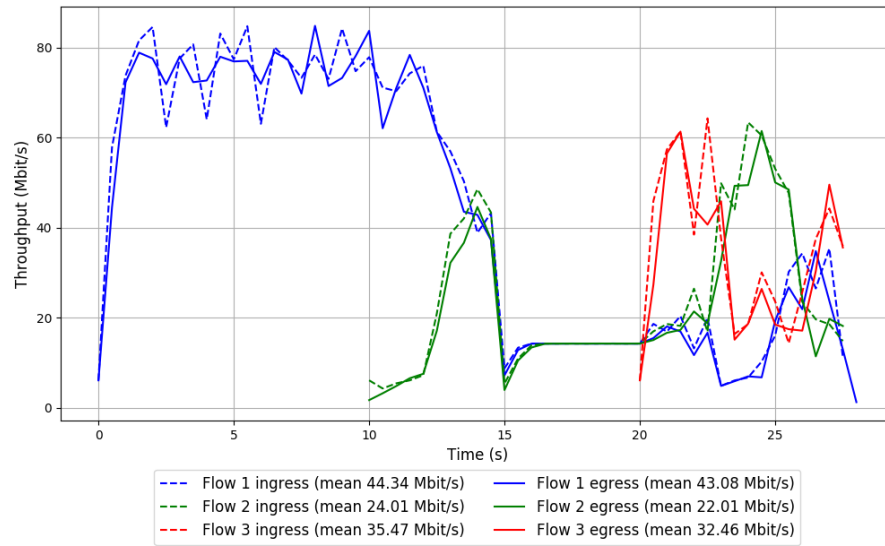
-- Flow 3:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 118.308 ms

Loss rate: 8.40%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-02 13:28:24

End at: 2018-01-02 13:28:54

Local clock offset: 0.06 ms

Remote clock offset: 0.843 ms

Below is generated by plot.py at 2018-01-02 14:13:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 117.492 ms

Loss rate: 5.89%

-- Flow 1:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 117.549 ms

Loss rate: 4.11%

-- Flow 2:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 117.331 ms

Loss rate: 9.19%

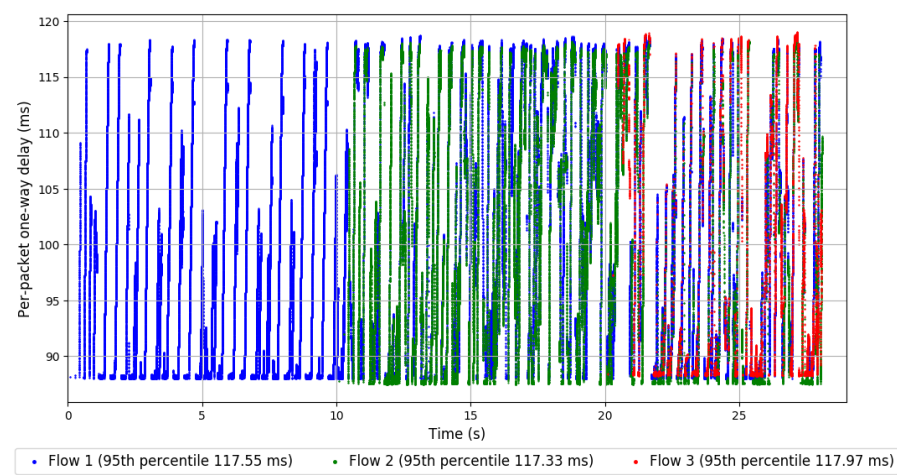
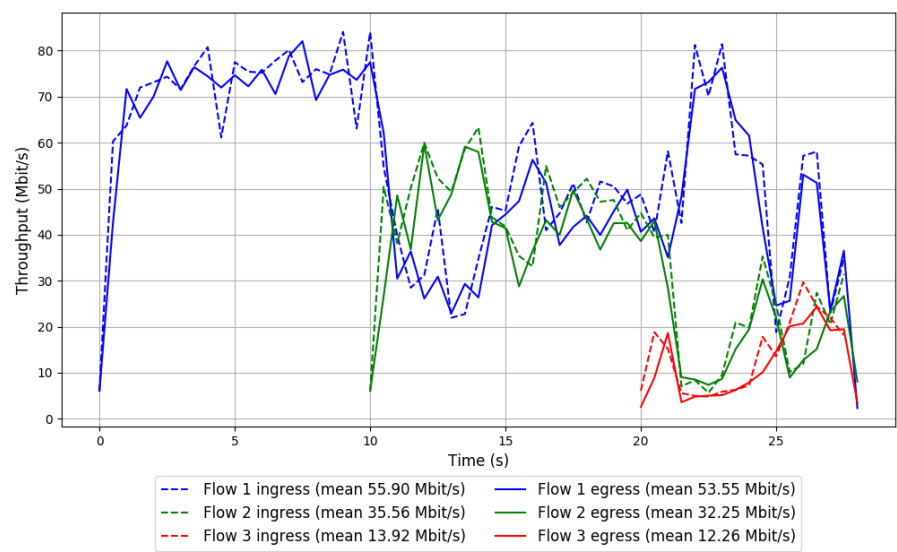
-- Flow 3:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 117.968 ms

Loss rate: 11.95%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-02 10:48:44

End at: 2018-01-02 10:49:14

Local clock offset: -0.431 ms

Remote clock offset: 2.028 ms

Below is generated by plot.py at 2018-01-02 14:13:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.74 Mbit/s

95th percentile per-packet one-way delay: 93.560 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 27.27 Mbit/s

95th percentile per-packet one-way delay: 94.089 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 94.195 ms

Loss rate: 0.59%

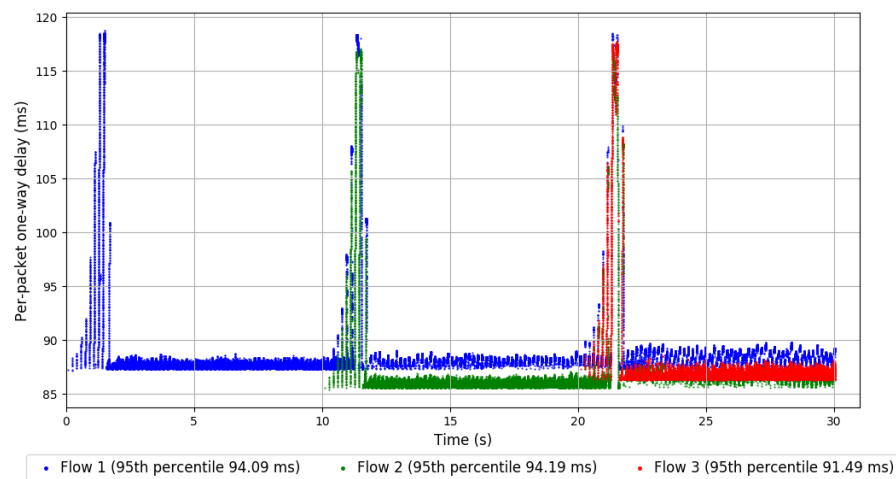
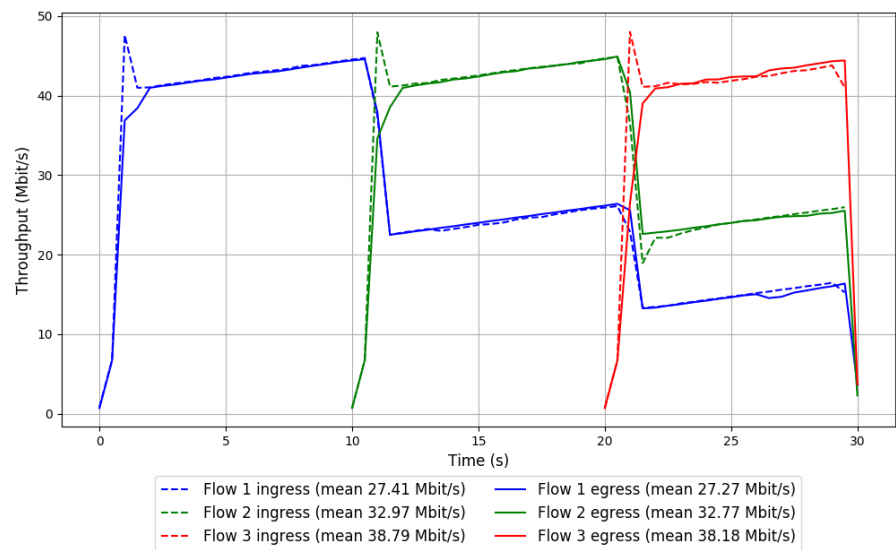
-- Flow 3:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 91.491 ms

Loss rate: 1.58%

Run 1: Report of TCP Vegas — Data Link

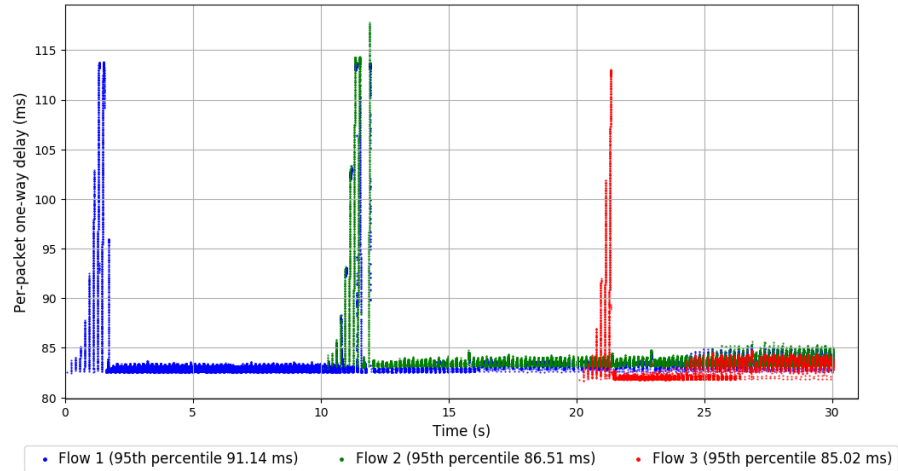
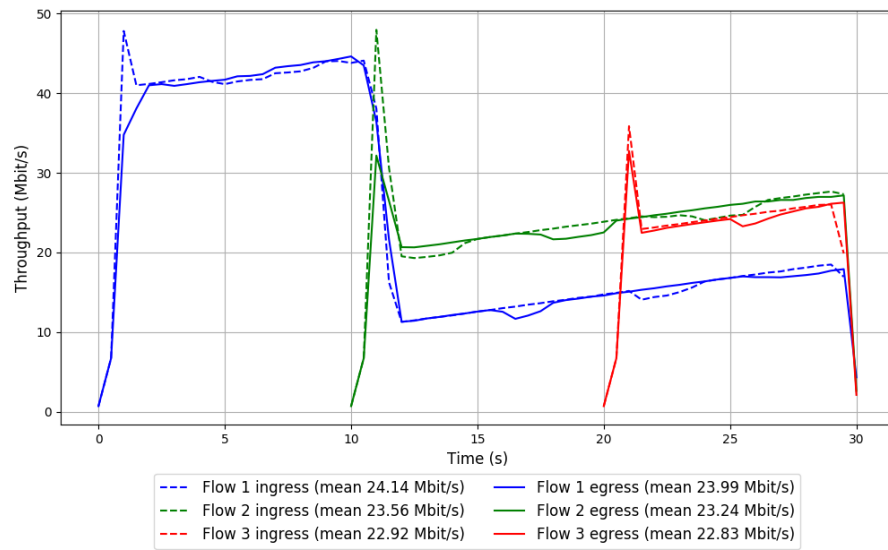


Run 2: Statistics of TCP Vegas

Start at: 2018-01-02 11:08:08
End at: 2018-01-02 11:08:38
Local clock offset: -0.532 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 88.072 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 91.140 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 86.510 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 22.83 Mbit/s
95th percentile per-packet one-way delay: 85.021 ms
Loss rate: 0.36%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-02 11:27:46

End at: 2018-01-02 11:28:16

Local clock offset: -0.504 ms

Remote clock offset: 2.132 ms

Below is generated by plot.py at 2018-01-02 14:13:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.77 Mbit/s

95th percentile per-packet one-way delay: 96.092 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 30.74 Mbit/s

95th percentile per-packet one-way delay: 95.697 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 96.639 ms

Loss rate: 0.62%

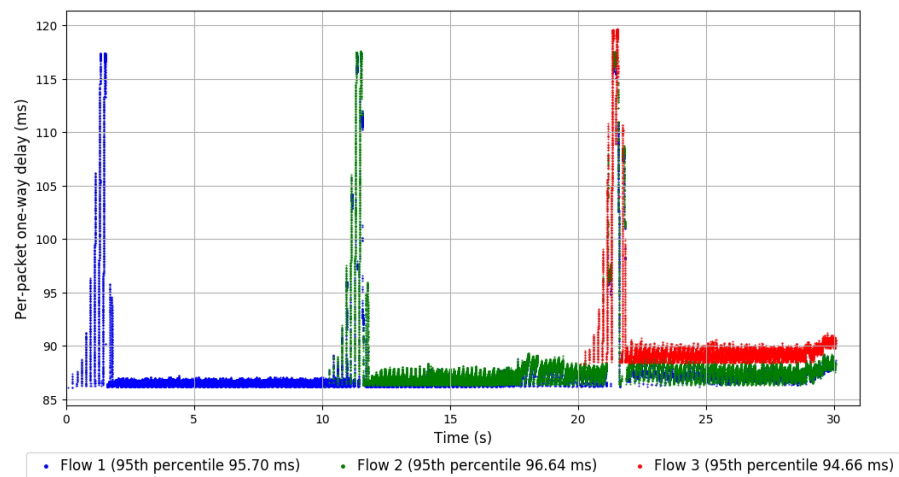
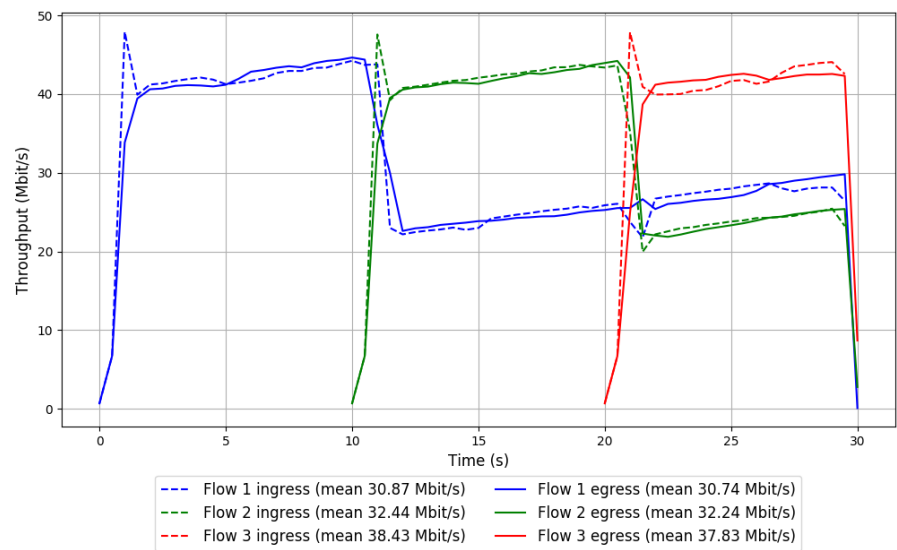
-- Flow 3:

Average throughput: 37.83 Mbit/s

95th percentile per-packet one-way delay: 94.656 ms

Loss rate: 1.56%

Run 3: Report of TCP Vegas — Data Link

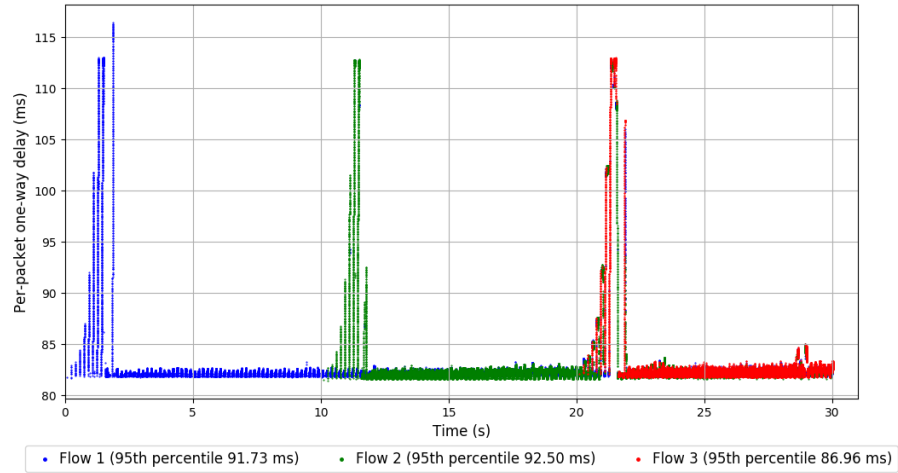
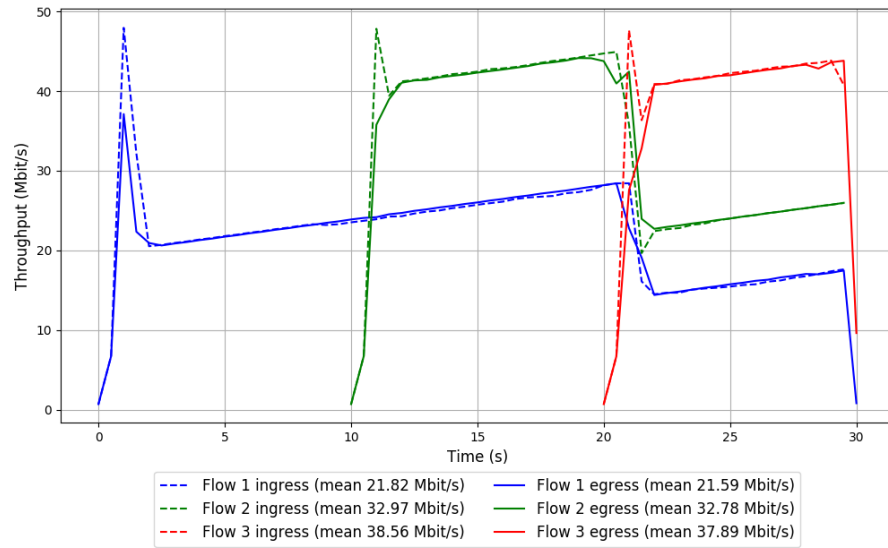


Run 4: Statistics of TCP Vegas

Start at: 2018-01-02 11:47:10
End at: 2018-01-02 11:47:40
Local clock offset: -0.45 ms
Remote clock offset: -2.833 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 91.961 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 91.735 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 92.504 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 86.957 ms
Loss rate: 1.73%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-02 12:06:30

End at: 2018-01-02 12:07:00

Local clock offset: -0.415 ms

Remote clock offset: 1.255 ms

Below is generated by plot.py at 2018-01-02 14:13:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 105.285 ms

Loss rate: 1.94%

-- Flow 1:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 98.352 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 18.03 Mbit/s

95th percentile per-packet one-way delay: 108.555 ms

Loss rate: 1.77%

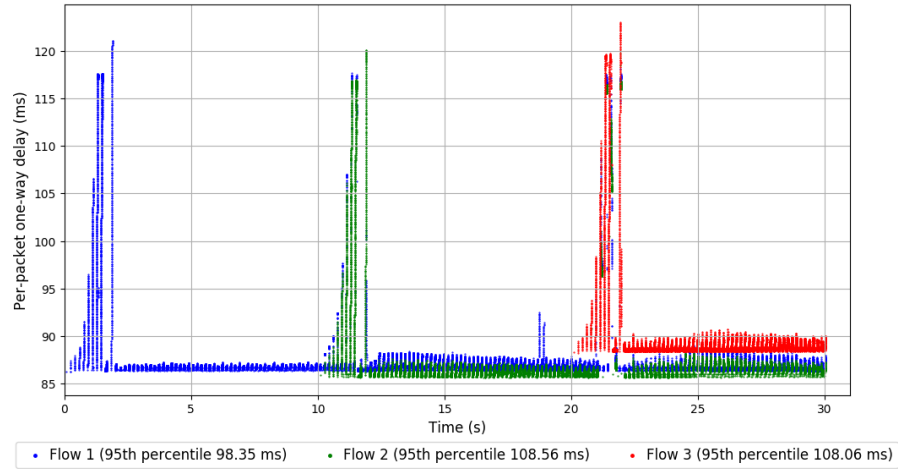
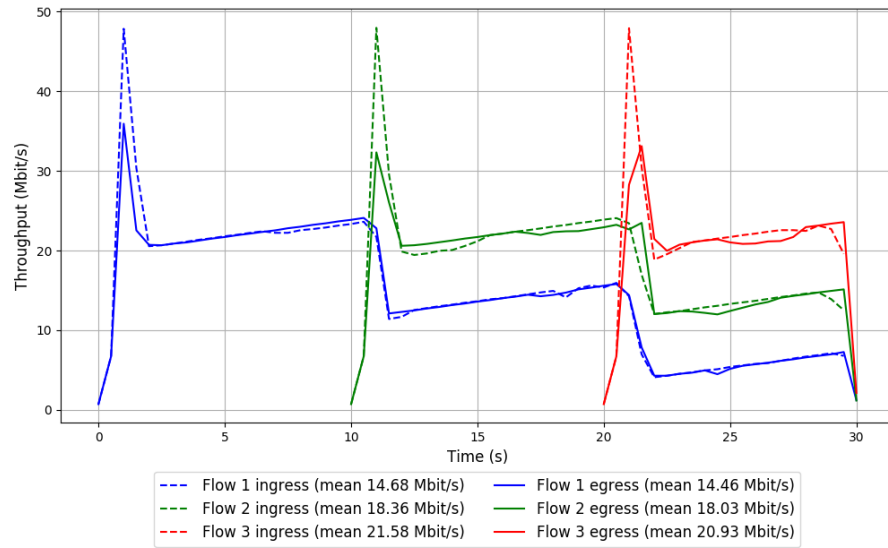
-- Flow 3:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 108.063 ms

Loss rate: 3.01%

Run 5: Report of TCP Vegas — Data Link

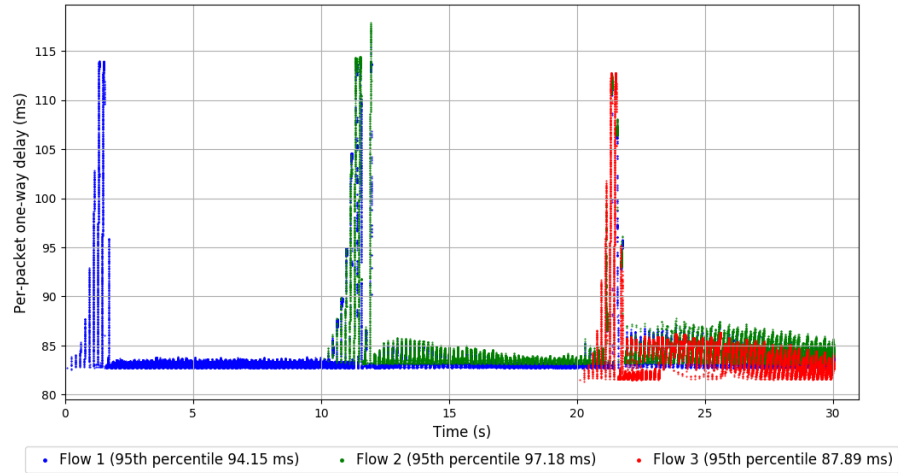
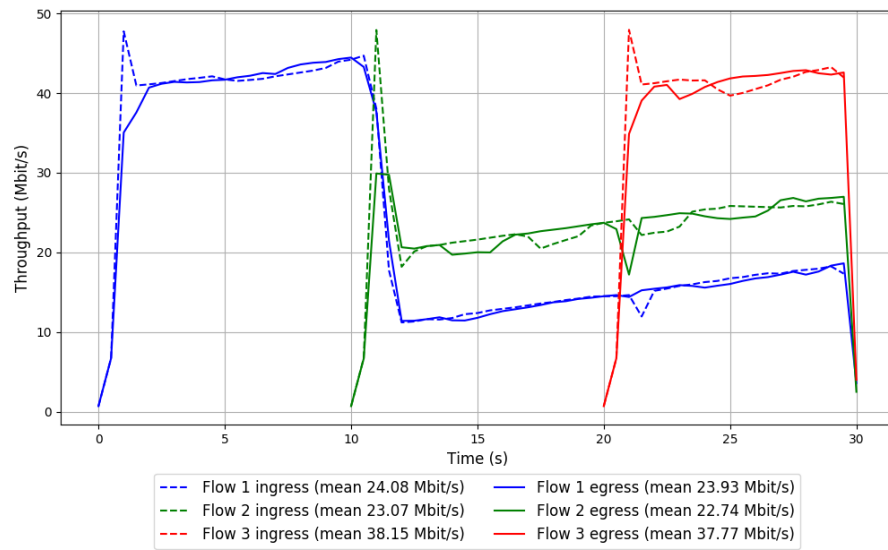


Run 6: Statistics of TCP Vegas

Start at: 2018-01-02 12:25:55
End at: 2018-01-02 12:26:25
Local clock offset: -0.343 ms
Remote clock offset: -3.723 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 93.615 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 94.149 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 97.181 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 87.892 ms
Loss rate: 1.02%

Run 6: Report of TCP Vegas — Data Link

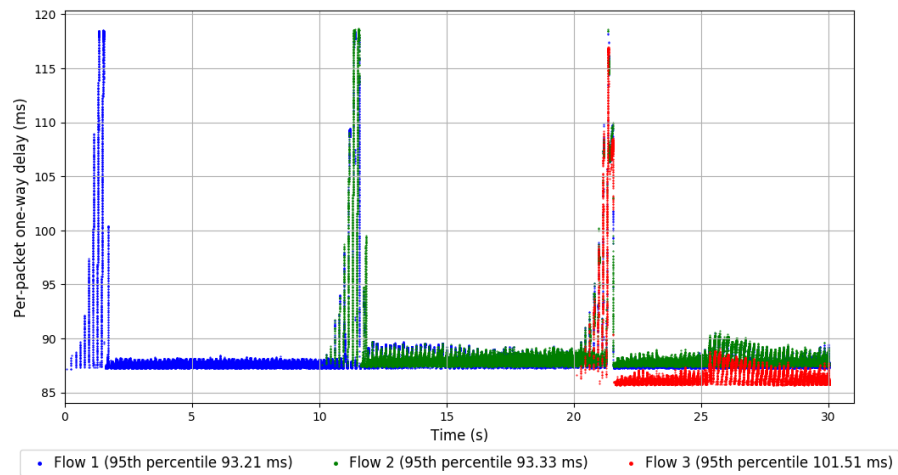
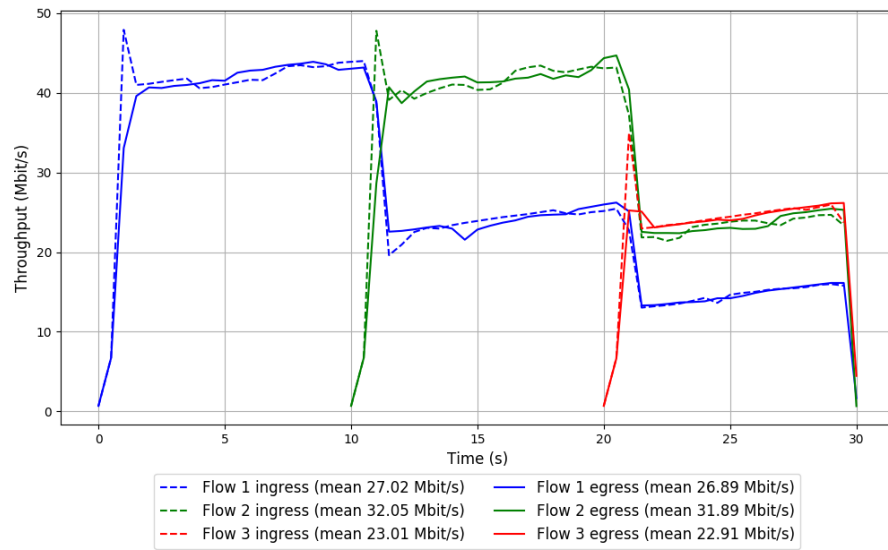


Run 7: Statistics of TCP Vegas

Start at: 2018-01-02 12:44:21
End at: 2018-01-02 12:44:51
Local clock offset: -0.327 ms
Remote clock offset: 0.431 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 94.145 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 93.212 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 93.326 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 101.510 ms
Loss rate: 0.46%

Run 7: Report of TCP Vegas — Data Link

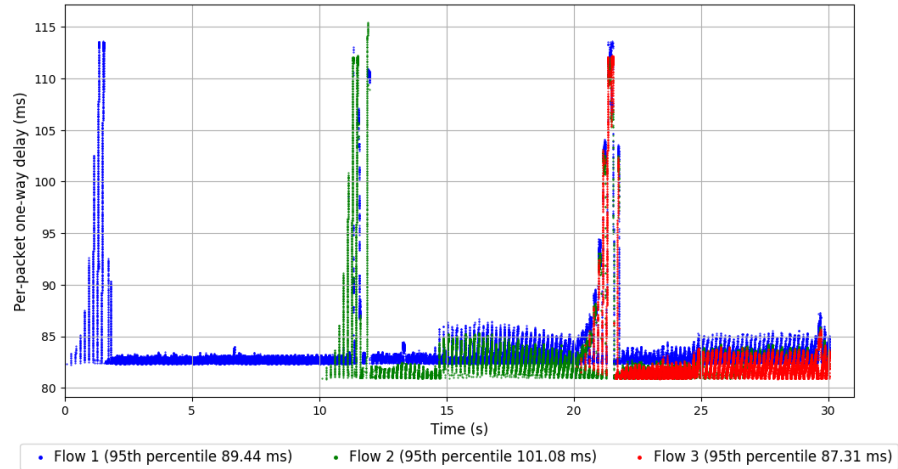
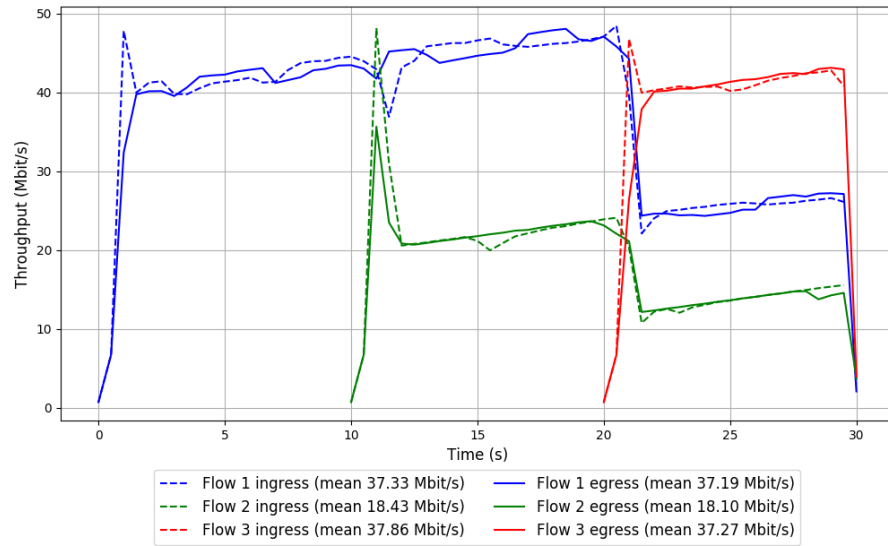


Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 13:03:51
End at: 2018-01-02 13:04:21
Local clock offset: -0.127 ms
Remote clock offset: -4.609 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 92.039 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 89.441 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 101.079 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 87.307 ms
Loss rate: 1.57%

Run 8: Report of TCP Vegas — Data Link

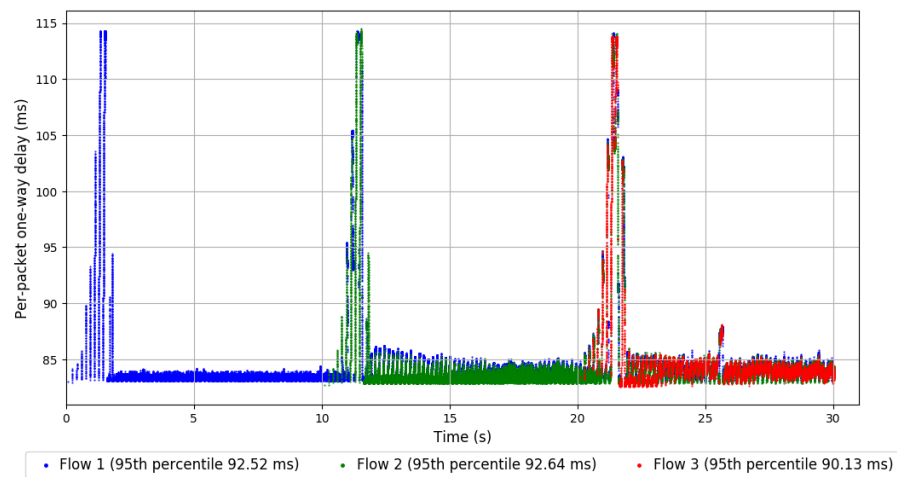
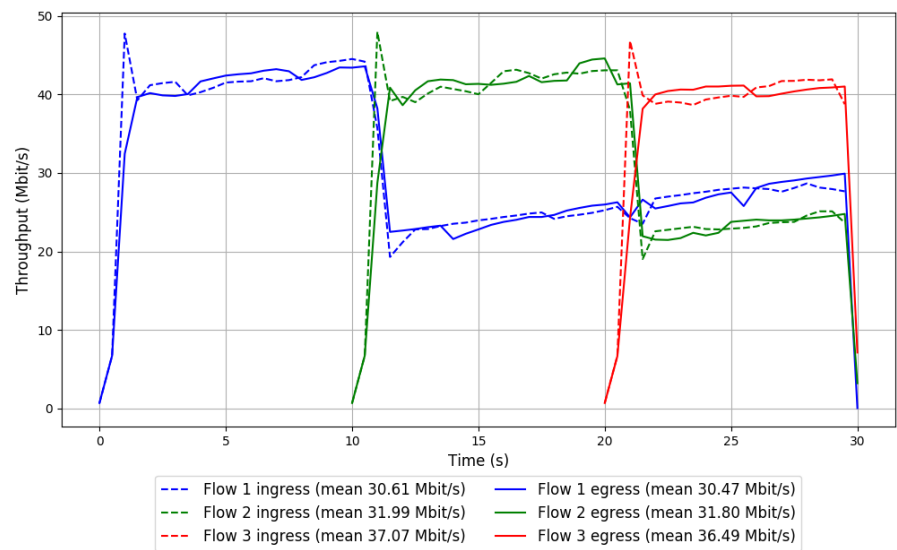


Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 13:23:21
End at: 2018-01-02 13:23:51
Local clock offset: -0.011 ms
Remote clock offset: -4.833 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.72 Mbit/s
95th percentile per-packet one-way delay: 92.397 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 92.520 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 92.640 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 90.127 ms
Loss rate: 1.57%

Run 9: Report of TCP Vegas — Data Link

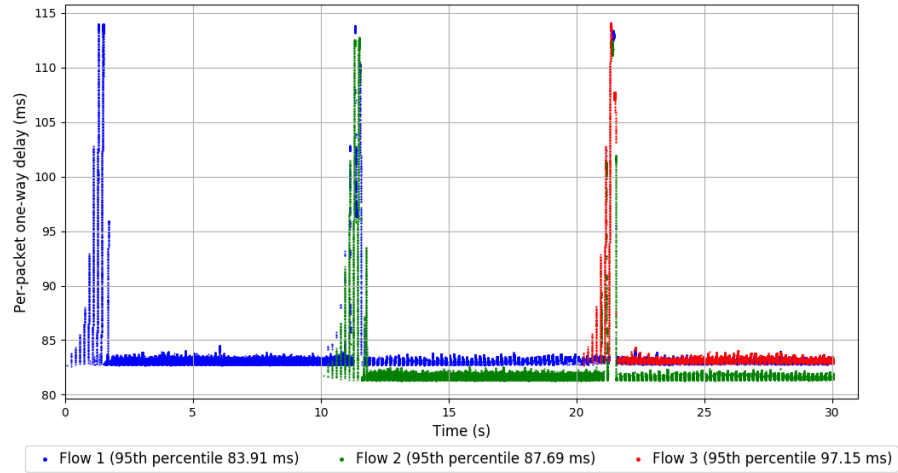
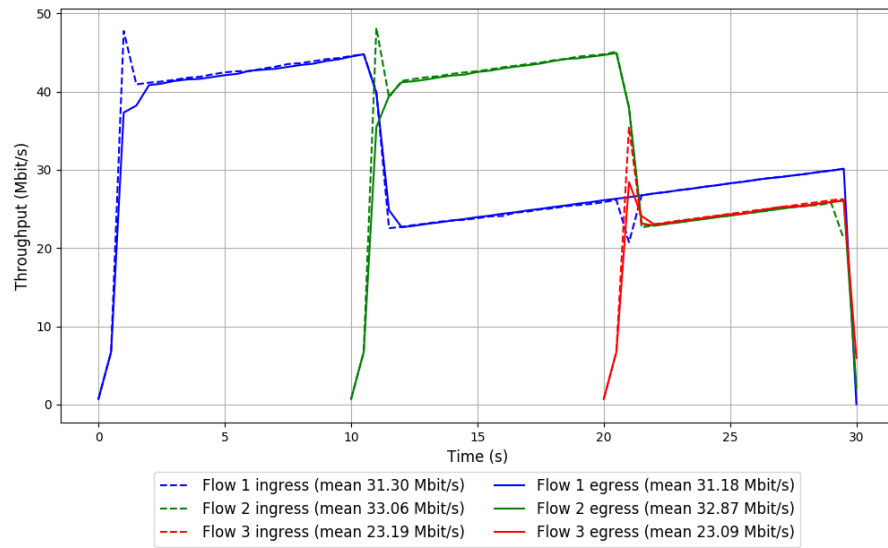


Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 13:42:43
End at: 2018-01-02 13:43:13
Local clock offset: 0.209 ms
Remote clock offset: -4.325 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 83.905 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 87.692 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 97.151 ms
Loss rate: 0.40%

Run 10: Report of TCP Vegas — Data Link

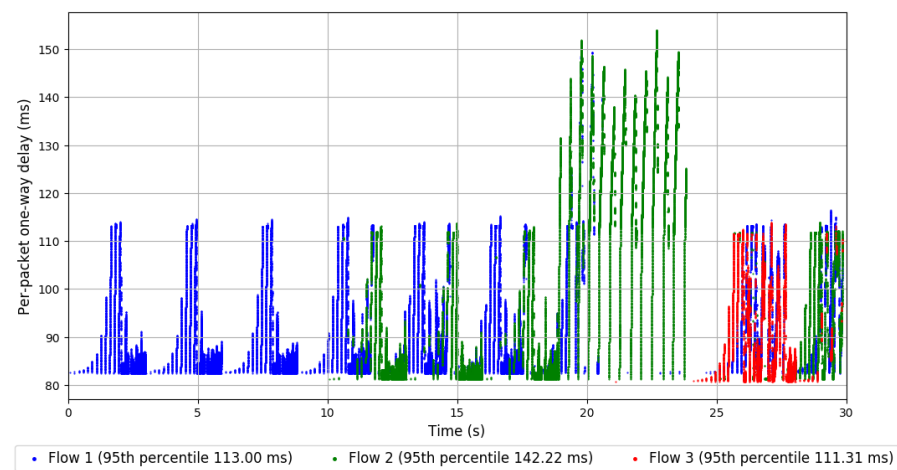
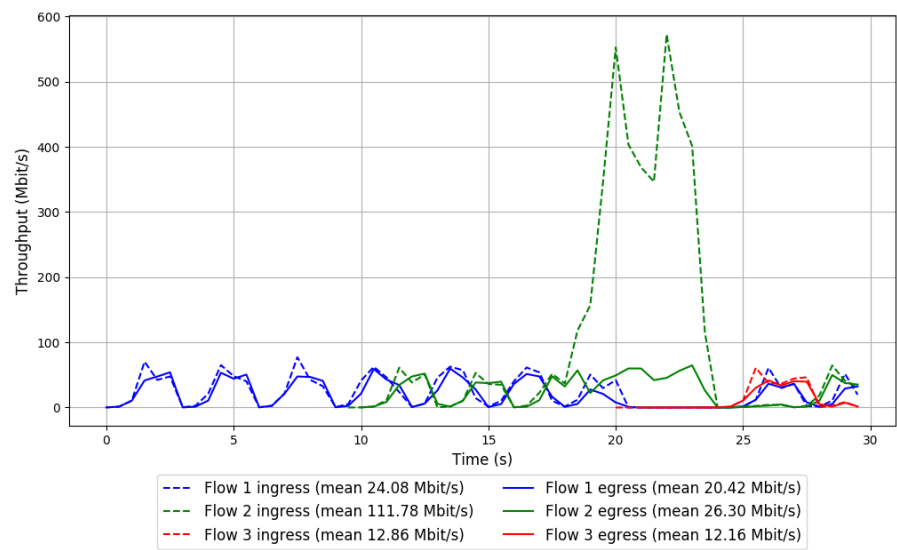


Run 1: Statistics of Verus

Start at: 2018-01-02 10:50:01
End at: 2018-01-02 10:50:31
Local clock offset: -0.457 ms
Remote clock offset: -2.884 ms

Below is generated by plot.py at 2018-01-02 14:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 135.639 ms
Loss rate: 59.51%
-- Flow 1:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 113.004 ms
Loss rate: 15.14%
-- Flow 2:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 142.223 ms
Loss rate: 76.44%
-- Flow 3:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 14.86%

Run 1: Report of Verus — Data Link

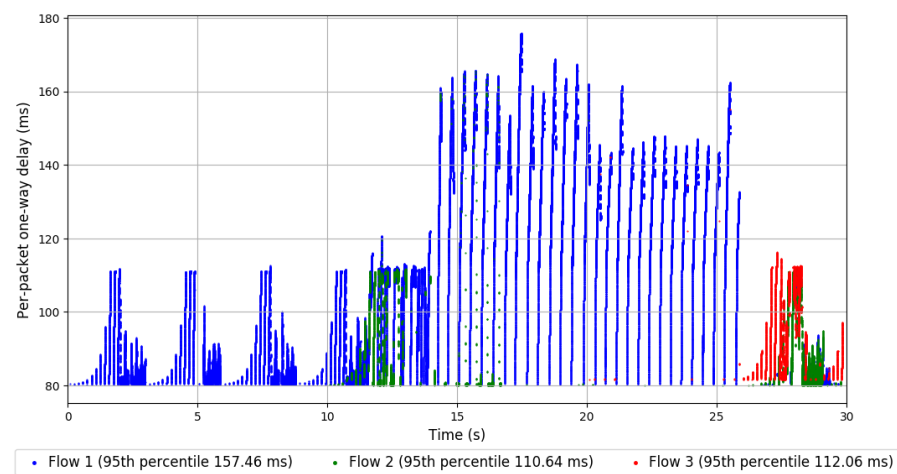
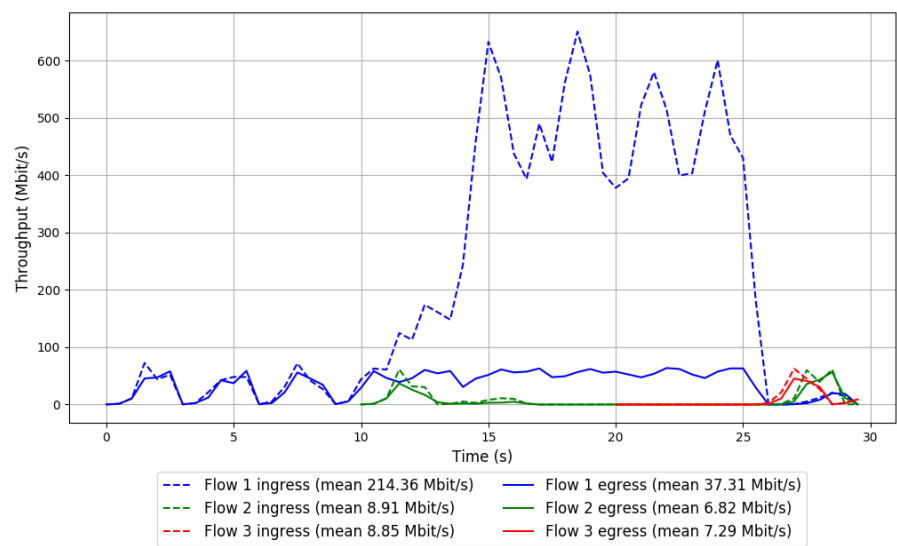


Run 2: Statistics of Verus

Start at: 2018-01-02 11:09:24
End at: 2018-01-02 11:09:54
Local clock offset: -0.445 ms
Remote clock offset: -4.039 ms

Below is generated by plot.py at 2018-01-02 14:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 156.235 ms
Loss rate: 80.18%
-- Flow 1:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 157.458 ms
Loss rate: 82.59%
-- Flow 2:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 110.642 ms
Loss rate: 23.44%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 112.064 ms
Loss rate: 17.52%

Run 2: Report of Verus — Data Link

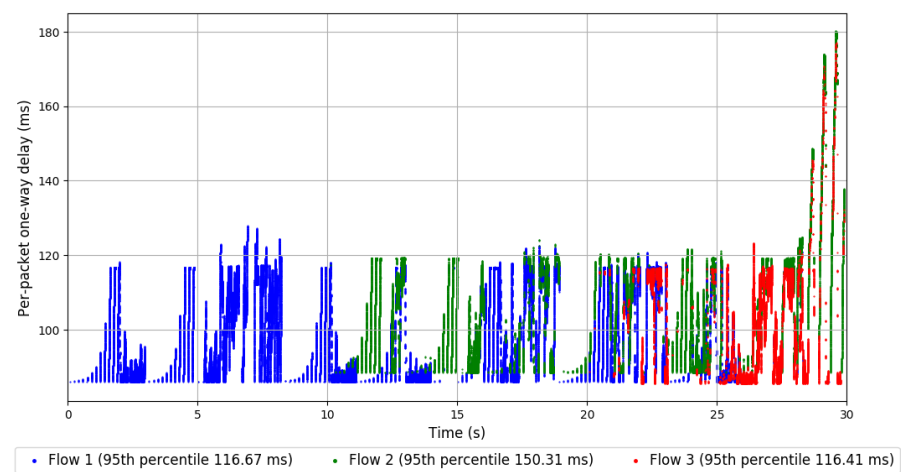
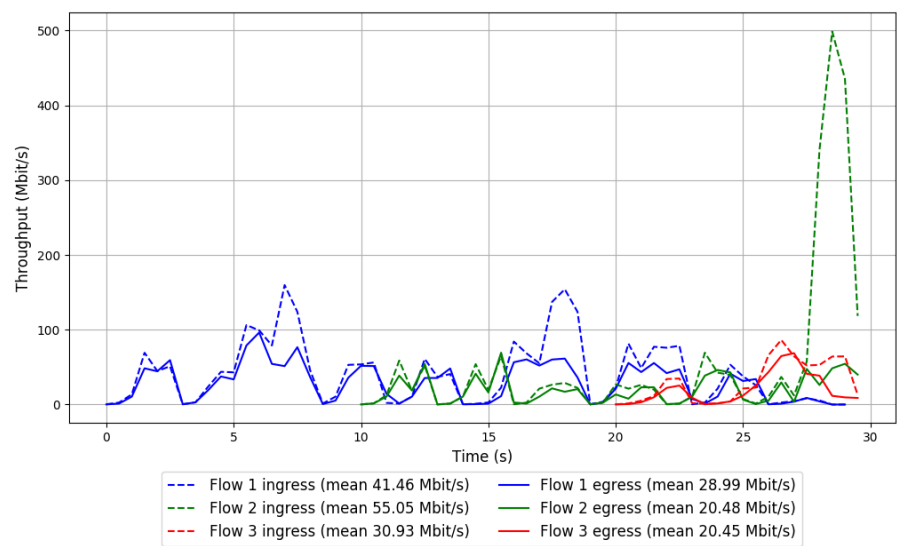


Run 3: Statistics of Verus

Start at: 2018-01-02 11:29:03
End at: 2018-01-02 11:29:33
Local clock offset: -0.468 ms
Remote clock offset: 1.78 ms

Below is generated by plot.py at 2018-01-02 14:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 121.374 ms
Loss rate: 44.30%
-- Flow 1:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 116.666 ms
Loss rate: 30.46%
-- Flow 2:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 150.310 ms
Loss rate: 62.77%
-- Flow 3:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 116.405 ms
Loss rate: 33.59%

Run 3: Report of Verus — Data Link

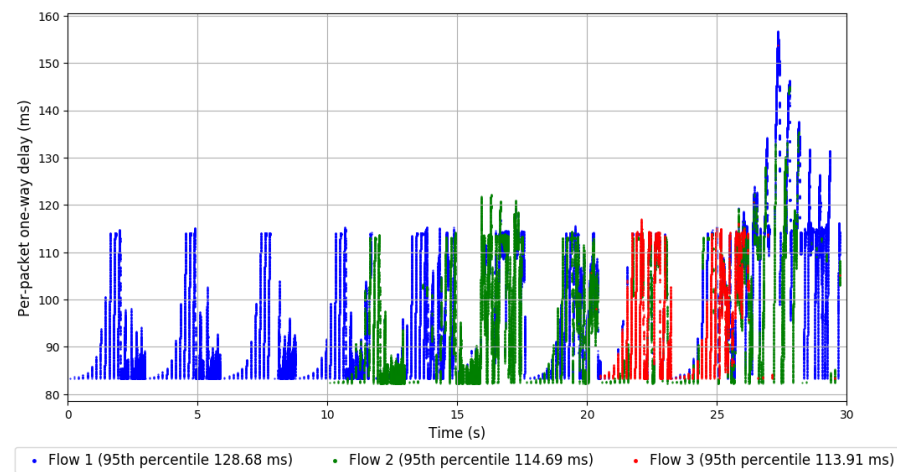
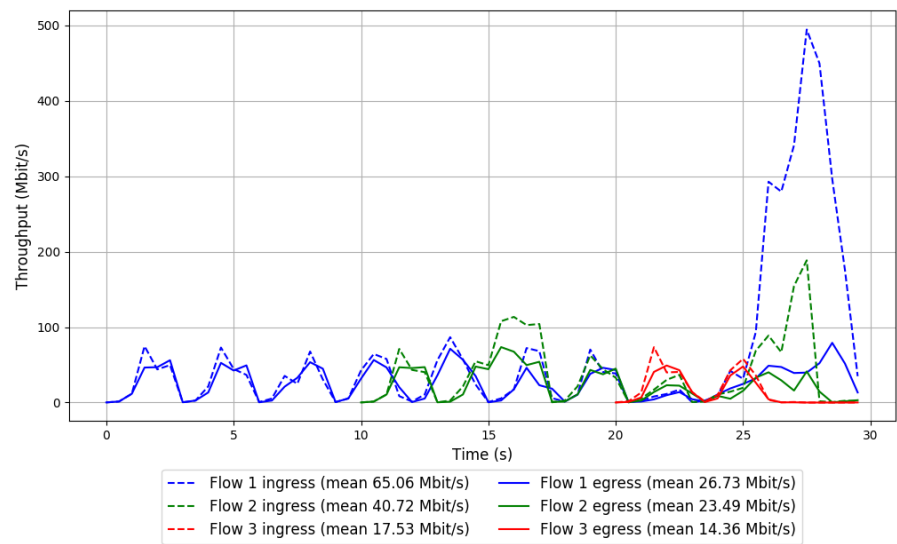


Run 4: Statistics of Verus

Start at: 2018-01-02 11:48:27
End at: 2018-01-02 11:48:57
Local clock offset: -0.5 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-01-02 14:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 120.228 ms
Loss rate: 51.92%
-- Flow 1:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 128.679 ms
Loss rate: 58.88%
-- Flow 2:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 114.693 ms
Loss rate: 42.23%
-- Flow 3:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 113.910 ms
Loss rate: 18.07%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-02 12:07:46

End at: 2018-01-02 12:08:16

Local clock offset: -0.42 ms

Remote clock offset: 1.608 ms

Below is generated by plot.py at 2018-01-02 14:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.26 Mbit/s

95th percentile per-packet one-way delay: 149.112 ms

Loss rate: 66.60%

-- Flow 1:

Average throughput: 22.73 Mbit/s

95th percentile per-packet one-way delay: 118.888 ms

Loss rate: 17.79%

-- Flow 2:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 155.322 ms

Loss rate: 79.28%

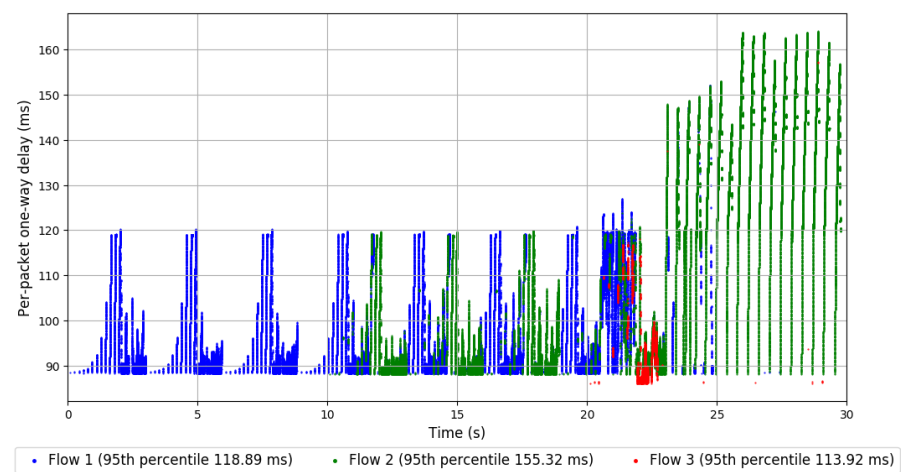
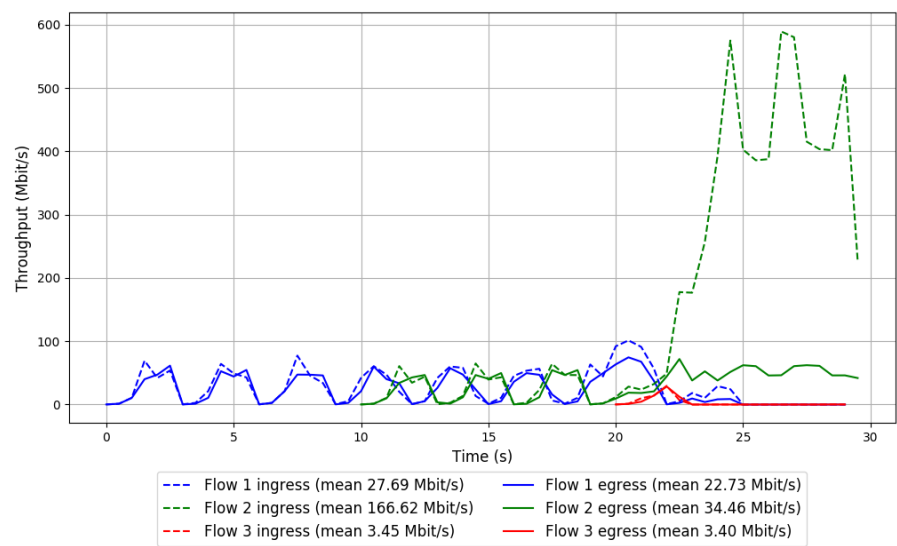
-- Flow 3:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 113.918 ms

Loss rate: 3.16%

Run 5: Report of Verus — Data Link

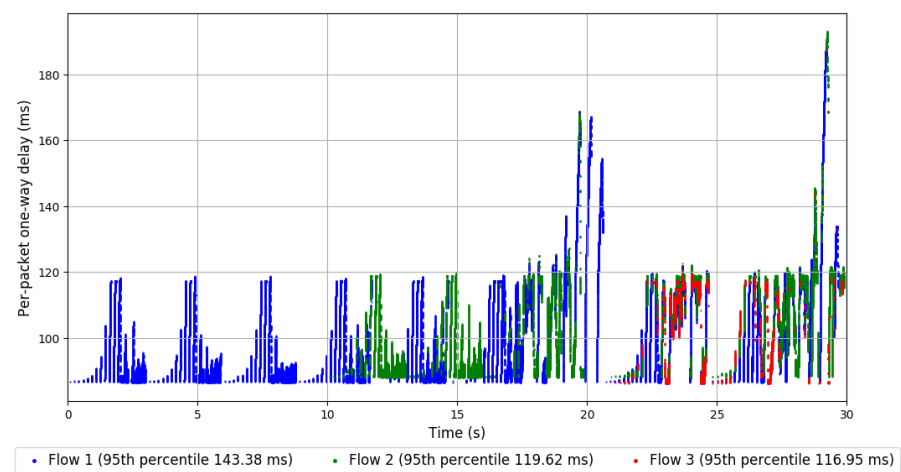
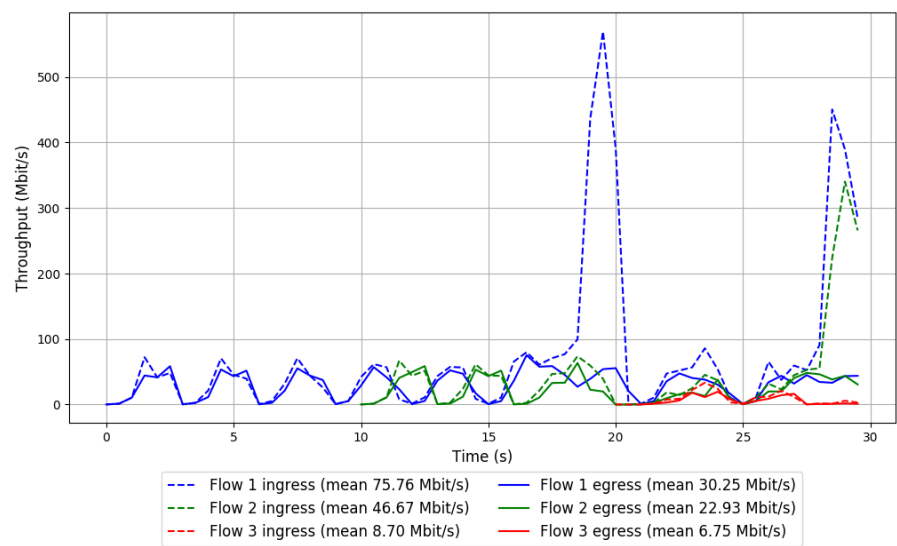


Run 6: Statistics of Verus

Start at: 2018-01-02 12:27:11
End at: 2018-01-02 12:27:41
Local clock offset: -0.342 ms
Remote clock offset: 1.498 ms

Below is generated by plot.py at 2018-01-02 14:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 133.589 ms
Loss rate: 56.64%
-- Flow 1:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 143.385 ms
Loss rate: 60.03%
-- Flow 2:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 119.623 ms
Loss rate: 50.80%
-- Flow 3:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 116.948 ms
Loss rate: 30.12%

Run 6: Report of Verus — Data Link

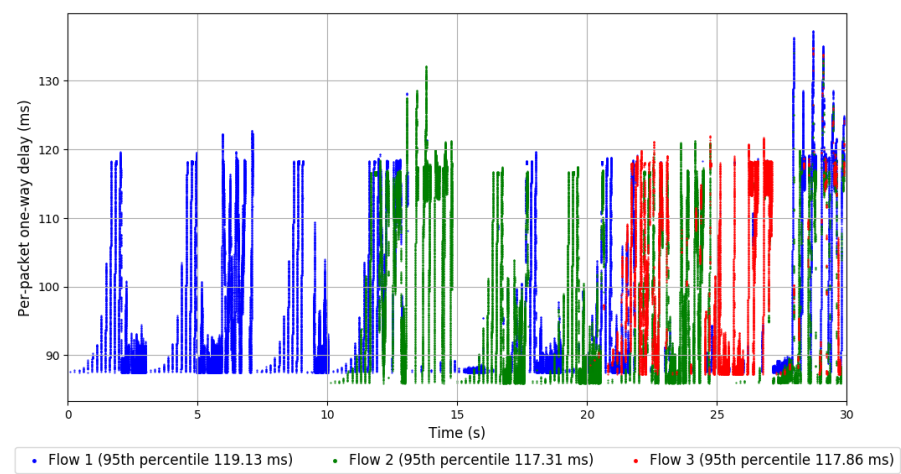
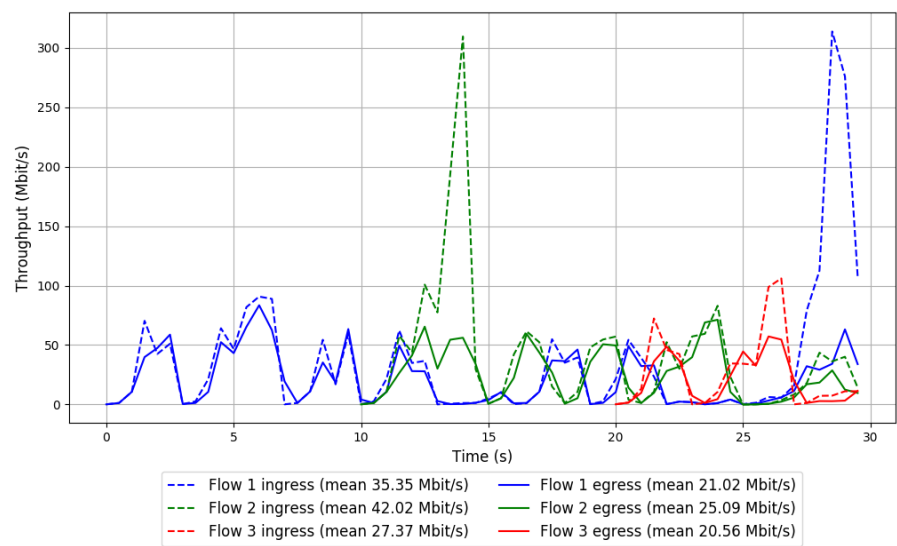


Run 7: Statistics of Verus

Start at: 2018-01-02 12:45:38
End at: 2018-01-02 12:46:08
Local clock offset: -0.312 ms
Remote clock offset: 0.44 ms

Below is generated by plot.py at 2018-01-02 14:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 118.271 ms
Loss rate: 38.41%
-- Flow 1:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 119.132 ms
Loss rate: 40.48%
-- Flow 2:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 117.314 ms
Loss rate: 40.20%
-- Flow 3:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 117.857 ms
Loss rate: 24.66%

Run 7: Report of Verus — Data Link

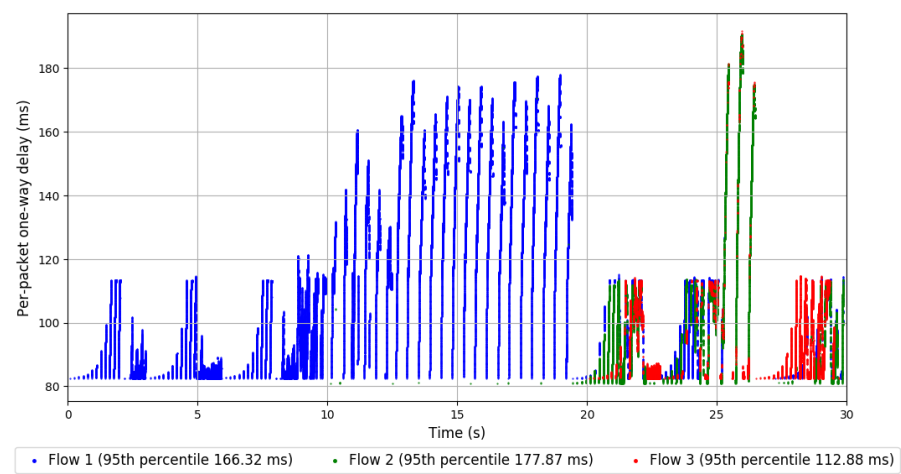
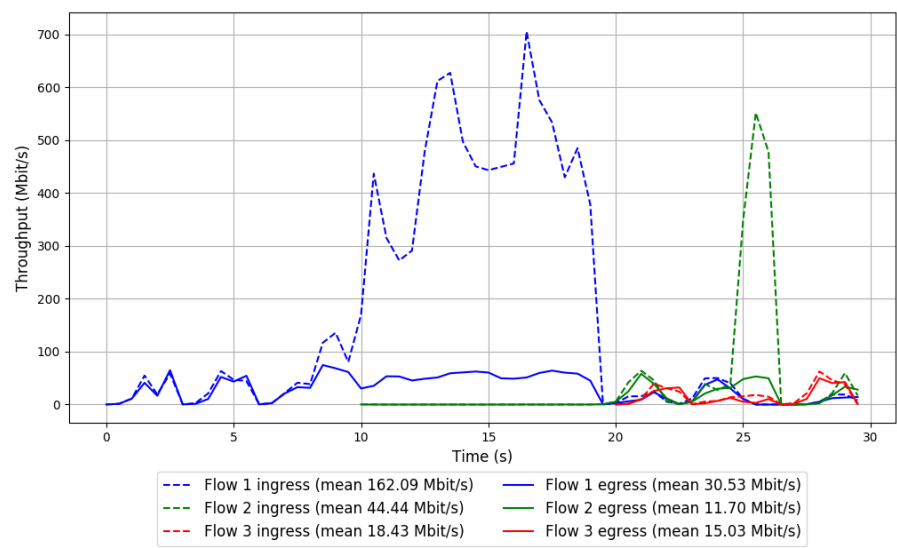


Run 8: Statistics of Verus

Start at: 2018-01-02 13:05:08
End at: 2018-01-02 13:05:38
Local clock offset: -0.201 ms
Remote clock offset: -4.629 ms

Below is generated by plot.py at 2018-01-02 14:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 167.313 ms
Loss rate: 78.15%
-- Flow 1:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 166.318 ms
Loss rate: 81.15%
-- Flow 2:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 177.865 ms
Loss rate: 73.65%
-- Flow 3:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 112.880 ms
Loss rate: 18.47%

Run 8: Report of Verus — Data Link

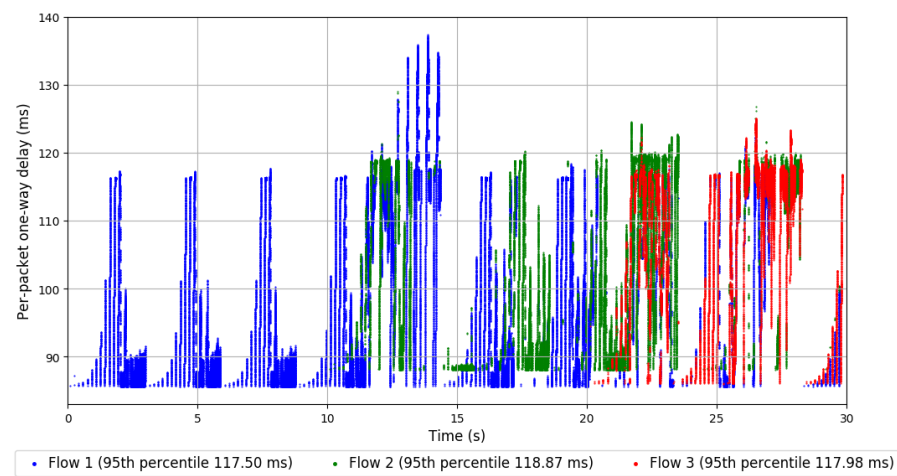
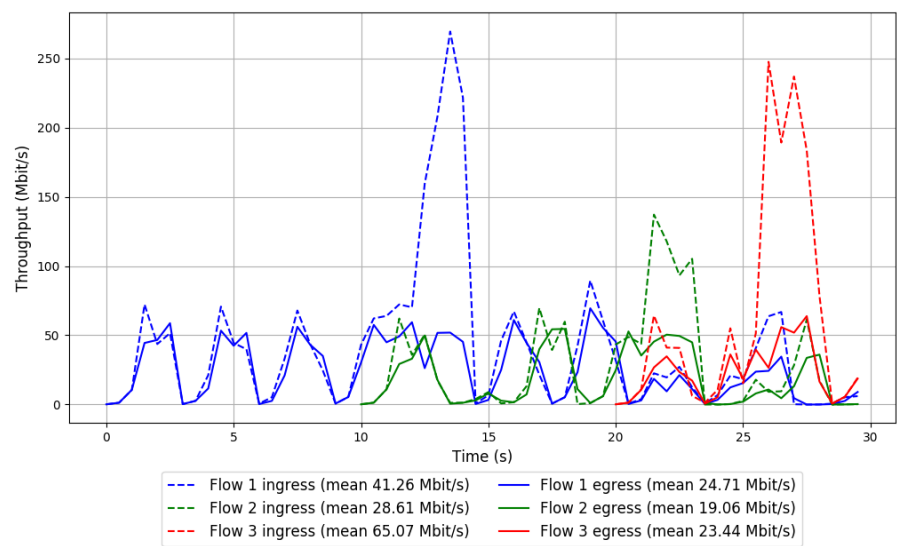


Run 9: Statistics of Verus

Start at: 2018-01-02 13:24:39
End at: 2018-01-02 13:25:09
Local clock offset: -0.062 ms
Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-01-02 14:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 118.719 ms
Loss rate: 44.73%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 117.505 ms
Loss rate: 40.09%
-- Flow 2:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 118.872 ms
Loss rate: 33.34%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 117.978 ms
Loss rate: 63.90%

Run 9: Report of Verus — Data Link

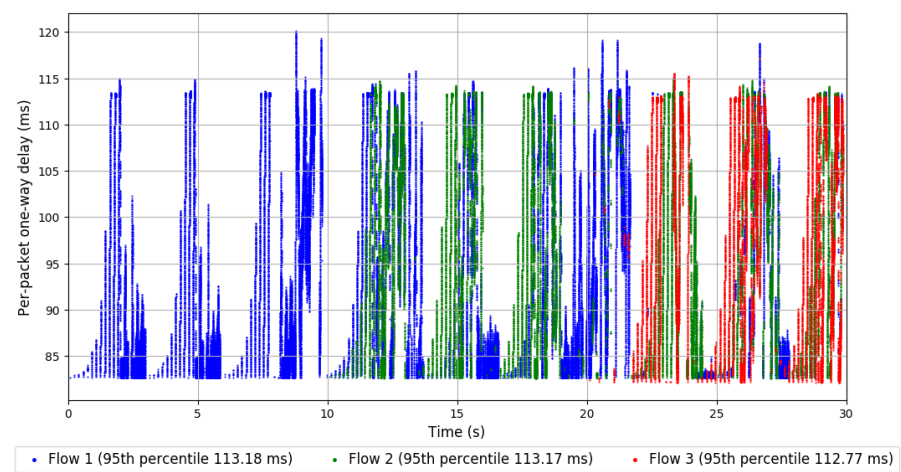
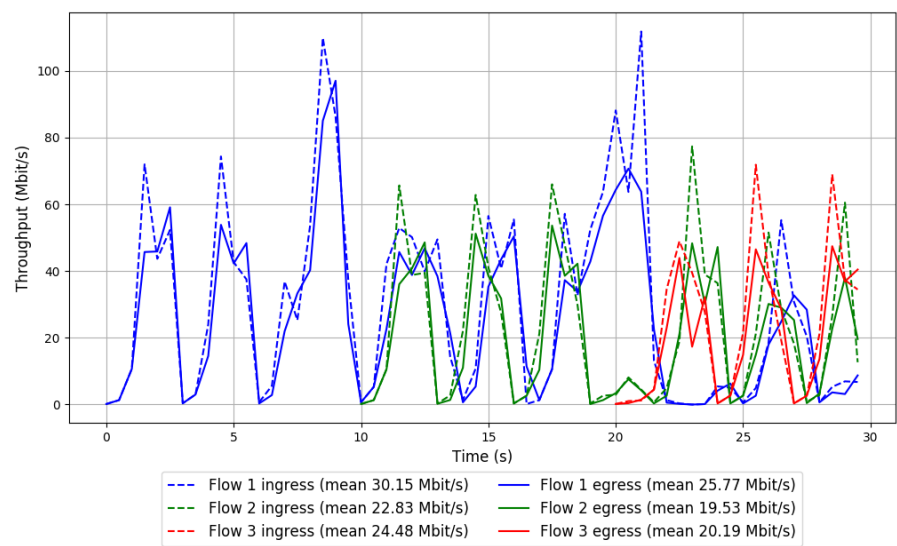


Run 10: Statistics of Verus

Start at: 2018-01-02 13:44:00
End at: 2018-01-02 13:44:30
Local clock offset: 0.195 ms
Remote clock offset: -4.739 ms

Below is generated by plot.py at 2018-01-02 14:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 113.143 ms
Loss rate: 14.87%
-- Flow 1:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 113.178 ms
Loss rate: 14.46%
-- Flow 2:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 113.169 ms
Loss rate: 14.35%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 112.770 ms
Loss rate: 17.35%

Run 10: Report of Verus — Data Link

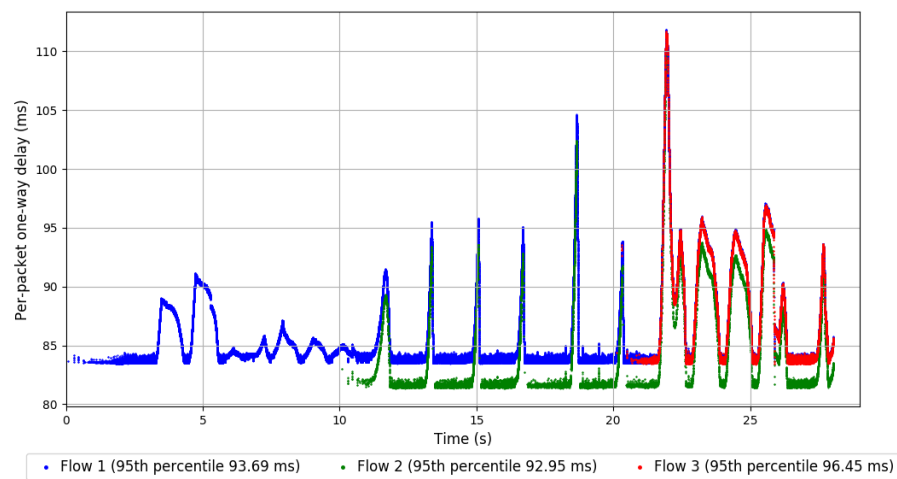
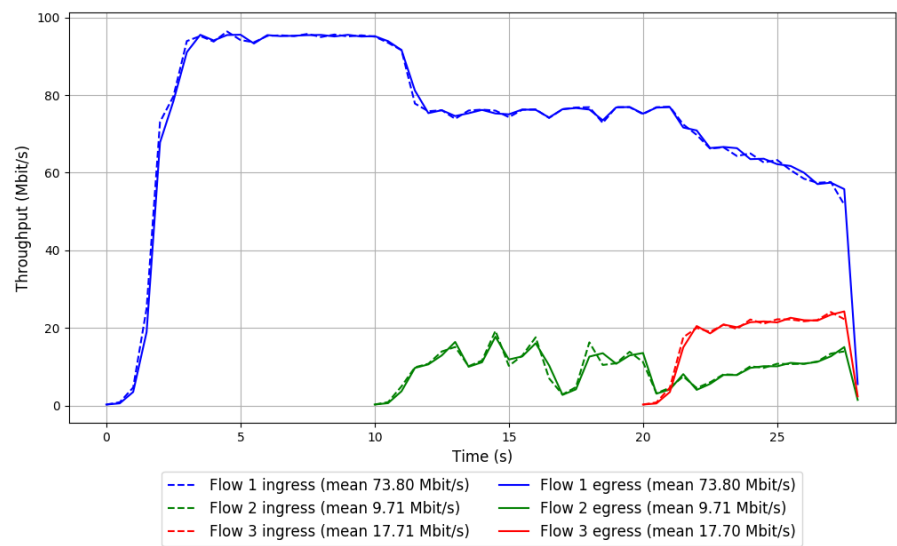


Run 1: Statistics of Copa

Start at: 2018-01-02 10:43:29
End at: 2018-01-02 10:43:59
Local clock offset: -0.446 ms
Remote clock offset: -2.286 ms

Below is generated by plot.py at 2018-01-02 14:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 94.113 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 93.692 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 92.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.70 Mbit/s
95th percentile per-packet one-way delay: 96.452 ms
Loss rate: 0.03%

Run 1: Report of Copa — Data Link

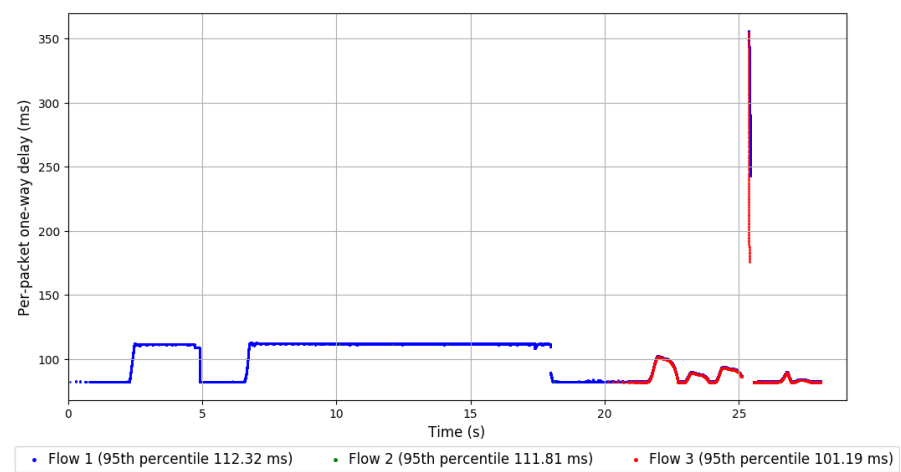
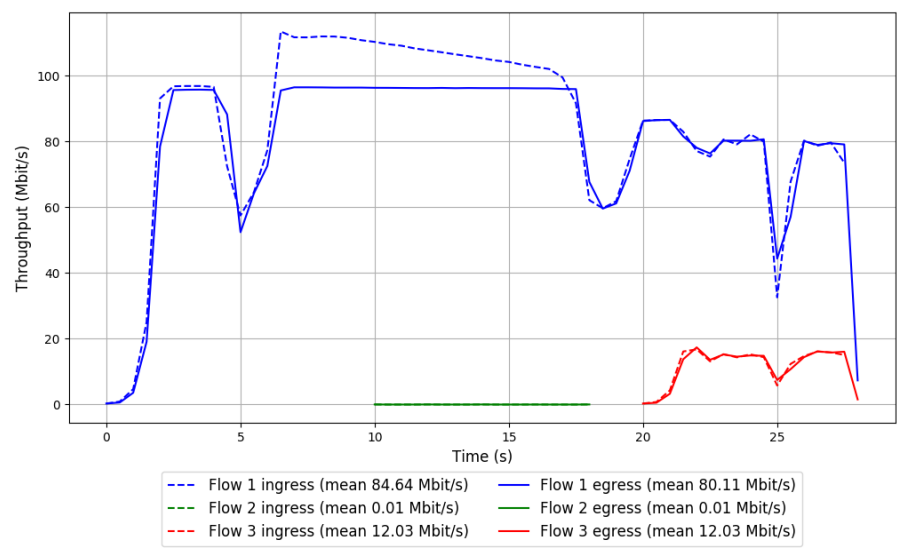


Run 2: Statistics of Copa

Start at: 2018-01-02 11:02:54
End at: 2018-01-02 11:03:24
Local clock offset: -0.471 ms
Remote clock offset: -4.018 ms

Below is generated by plot.py at 2018-01-02 14:16:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 112.317 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 112.319 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 111.805 ms
Loss rate: 24.59%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 101.185 ms
Loss rate: 0.03%

Run 2: Report of Copa — Data Link

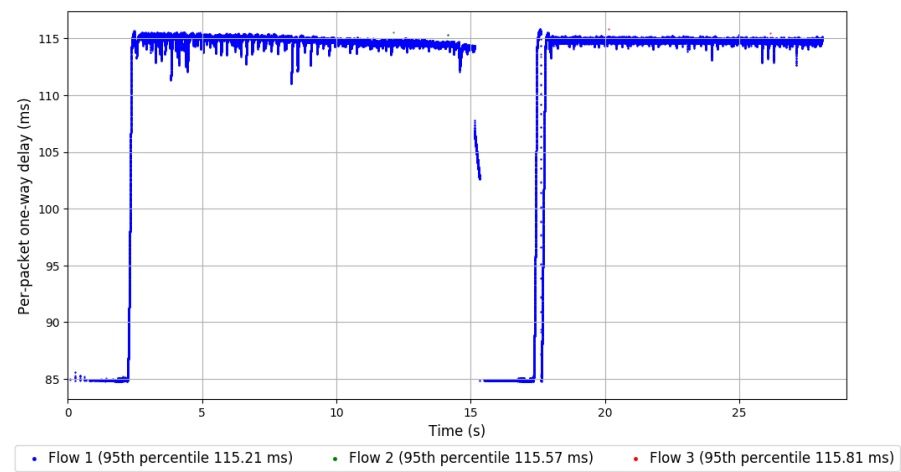
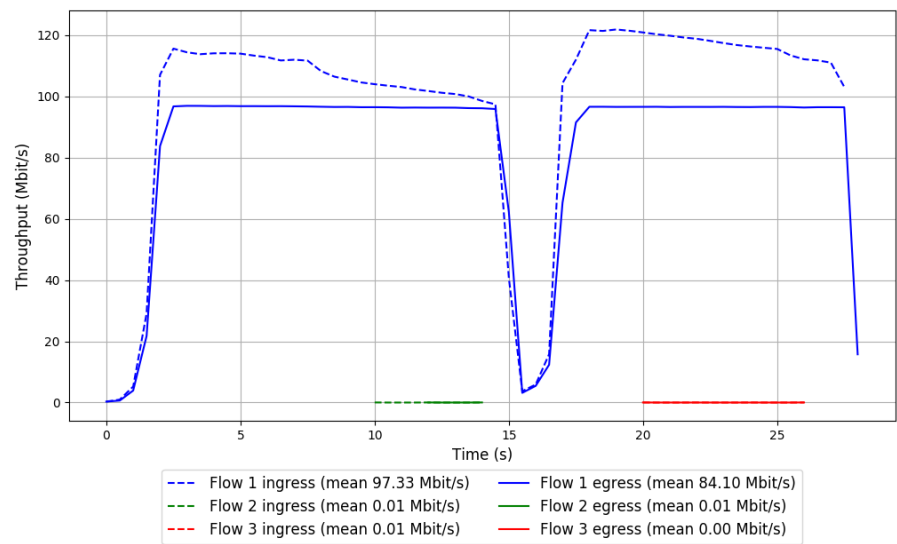


Run 3: Statistics of Copa

Start at: 2018-01-02 11:22:33
End at: 2018-01-02 11:23:03
Local clock offset: -0.509 ms
Remote clock offset: 0.645 ms

Below is generated by plot.py at 2018-01-02 14:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 13.51%
-- Flow 1:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 115.207 ms
Loss rate: 13.51%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 115.568 ms
Loss rate: 35.88%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 115.809 ms
Loss rate: 53.83%

Run 3: Report of Copa — Data Link

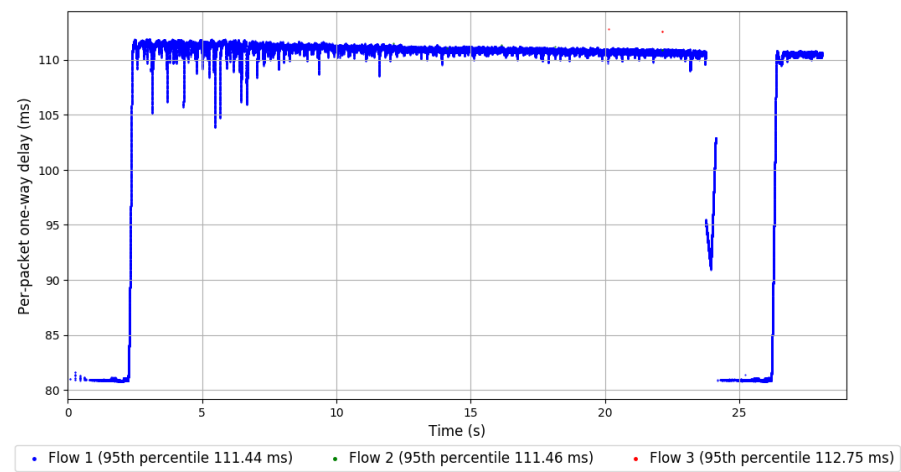
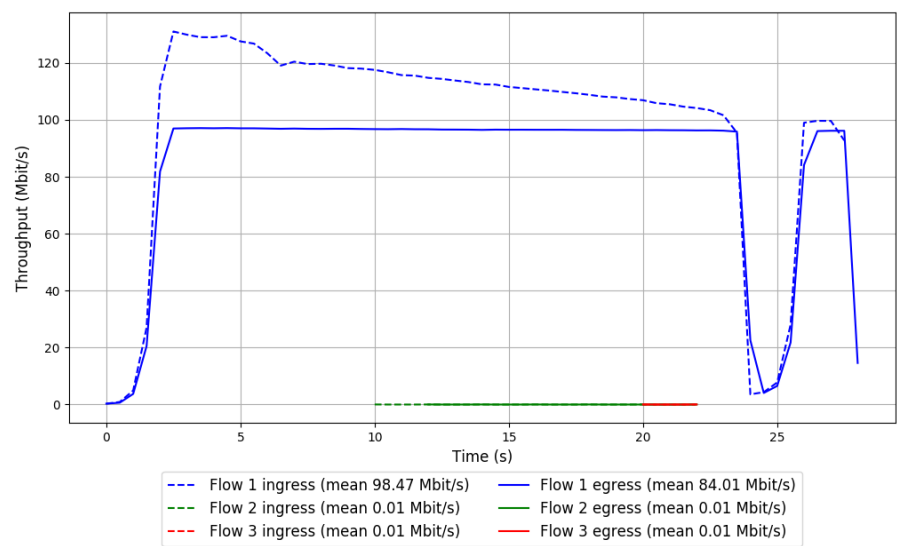


Run 4: Statistics of Copa

Start at: 2018-01-02 11:41:58
End at: 2018-01-02 11:42:28
Local clock offset: -0.519 ms
Remote clock offset: -3.526 ms

Below is generated by plot.py at 2018-01-02 14:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 111.445 ms
Loss rate: 14.60%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 111.444 ms
Loss rate: 14.60%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 111.461 ms
Loss rate: 32.95%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 112.749 ms
Loss rate: 3.83%

Run 4: Report of Copa — Data Link

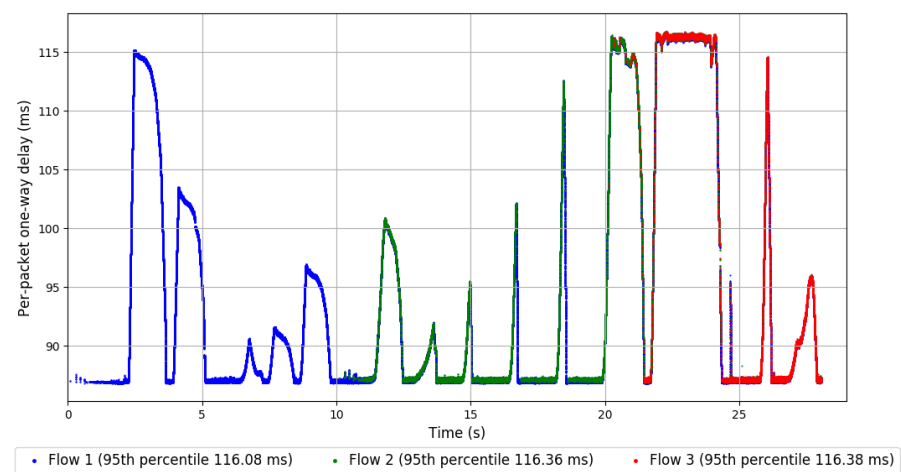
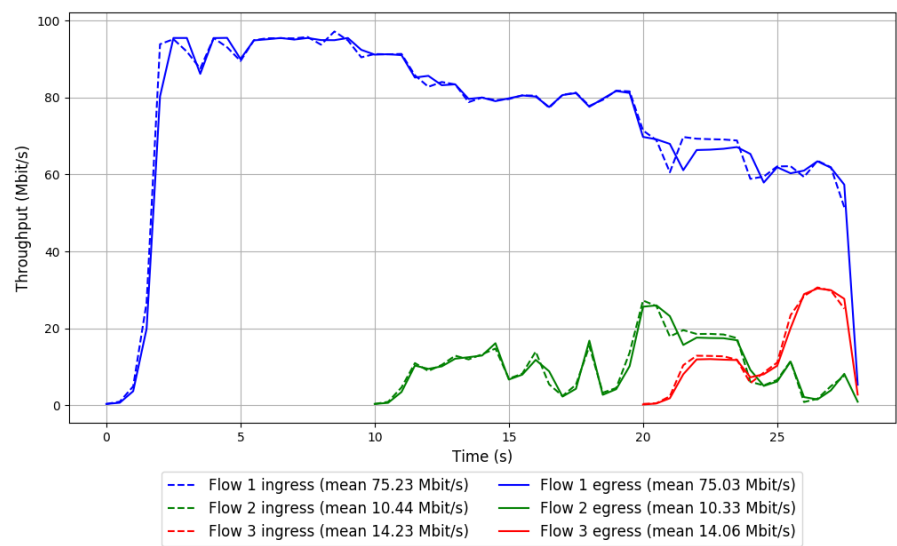


Run 5: Statistics of Copa

Start at: 2018-01-02 12:01:15
End at: 2018-01-02 12:01:45
Local clock offset: -0.402 ms
Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-01-02 14:16:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 116.185 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 116.077 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 116.356 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 116.381 ms
Loss rate: 1.46%

Run 5: Report of Copa — Data Link

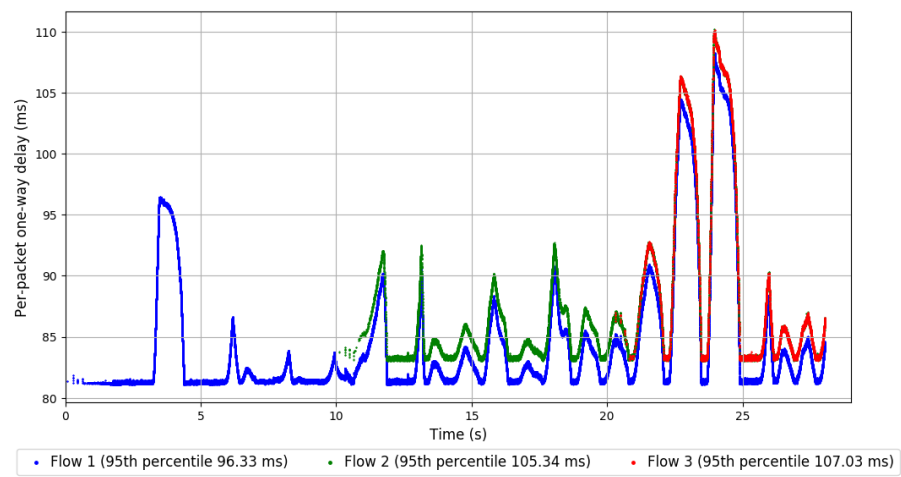
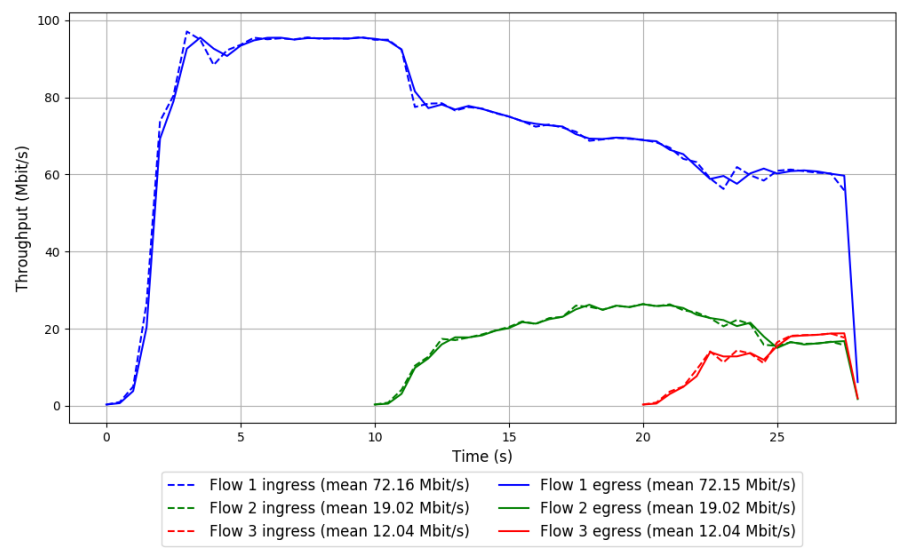


Run 6: Statistics of Copa

Start at: 2018-01-02 12:20:39
End at: 2018-01-02 12:21:09
Local clock offset: -0.363 ms
Remote clock offset: -3.766 ms

Below is generated by plot.py at 2018-01-02 14:16:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 101.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 96.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 105.345 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 107.031 ms
Loss rate: 0.03%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-02 12:39:08

End at: 2018-01-02 12:39:38

Local clock offset: -0.33 ms

Below is generated by plot.py at 2018-01-02 14:16:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 117.161 ms

Loss rate: 11.48%

-- Flow 1:

Average throughput: 81.91 Mbit/s

95th percentile per-packet one-way delay: 117.166 ms

Loss rate: 11.80%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 116.819 ms

Loss rate: 6.38%

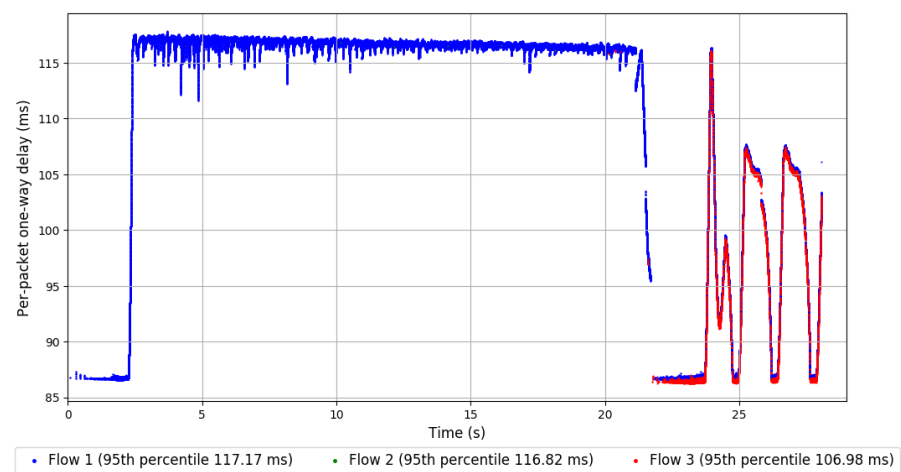
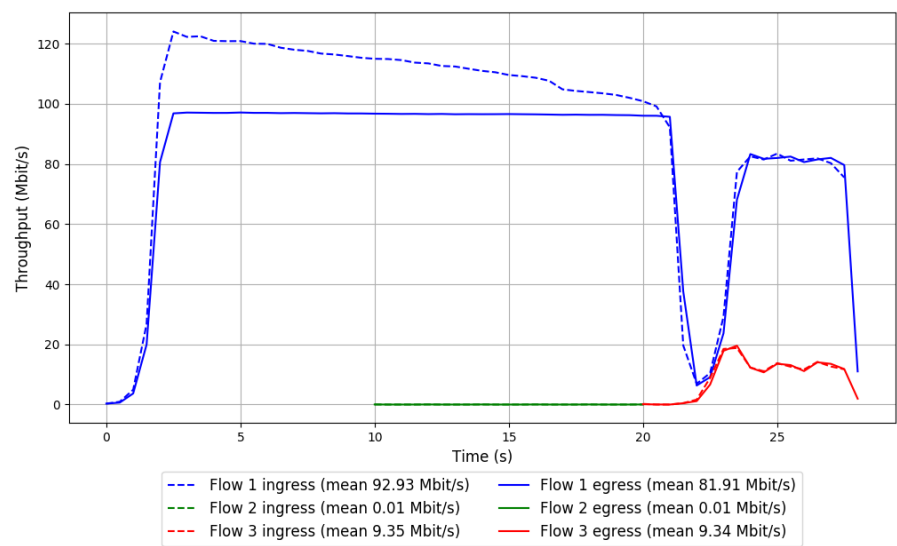
-- Flow 3:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 106.983 ms

Loss rate: 0.36%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-02 12:58:36

End at: 2018-01-02 12:59:06

Local clock offset: -0.173 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2018-01-02 14:17:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 105.034 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 105.122 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 100.952 ms

Loss rate: 0.20%

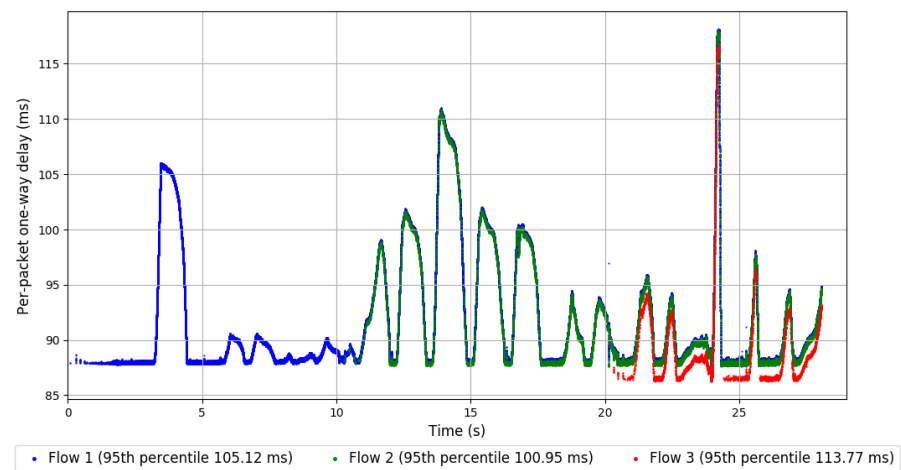
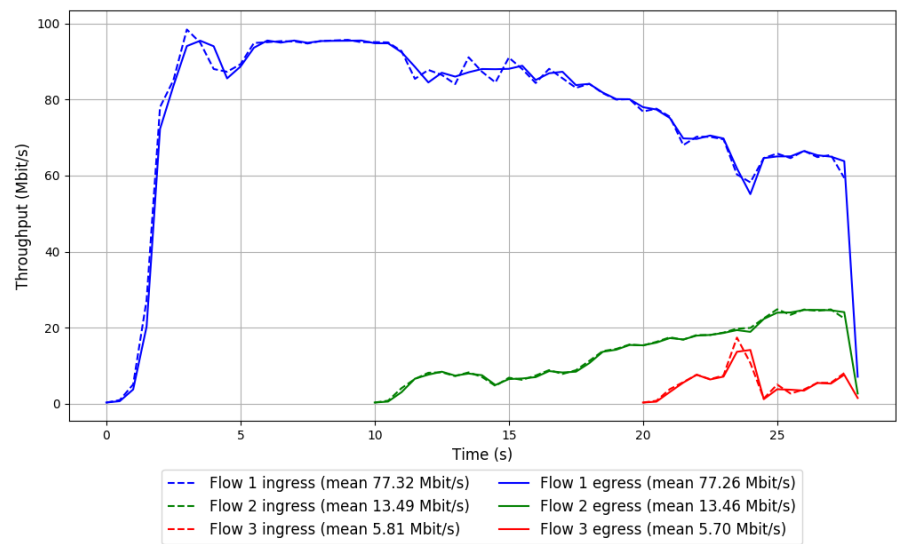
-- Flow 3:

Average throughput: 5.70 Mbit/s

95th percentile per-packet one-way delay: 113.771 ms

Loss rate: 1.82%

Run 8: Report of Copa — Data Link

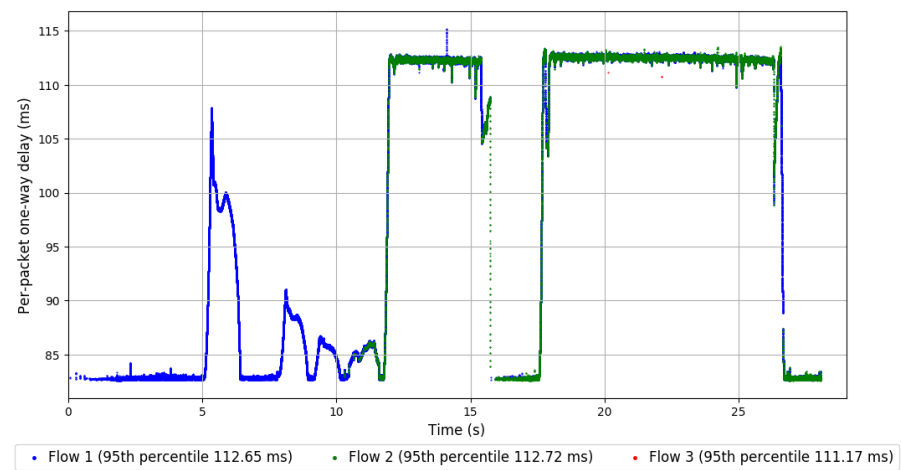
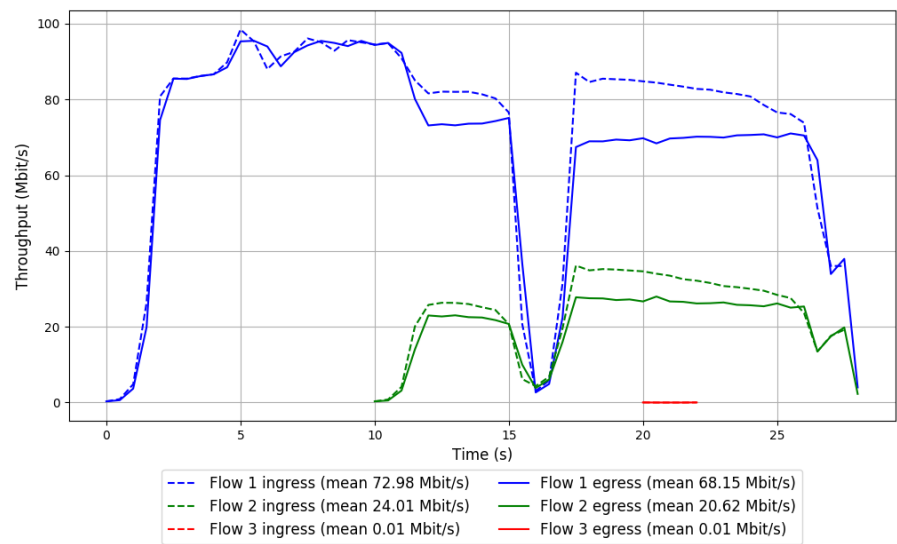


Run 9: Statistics of Copa

Start at: 2018-01-02 13:18:07
End at: 2018-01-02 13:18:37
Local clock offset: -0.054 ms
Remote clock offset: -4.782 ms

Below is generated by plot.py at 2018-01-02 14:18:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 112.673 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 112.654 ms
Loss rate: 6.62%
-- Flow 2:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 112.723 ms
Loss rate: 14.13%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 111.172 ms
Loss rate: 3.83%

Run 9: Report of Copa — Data Link

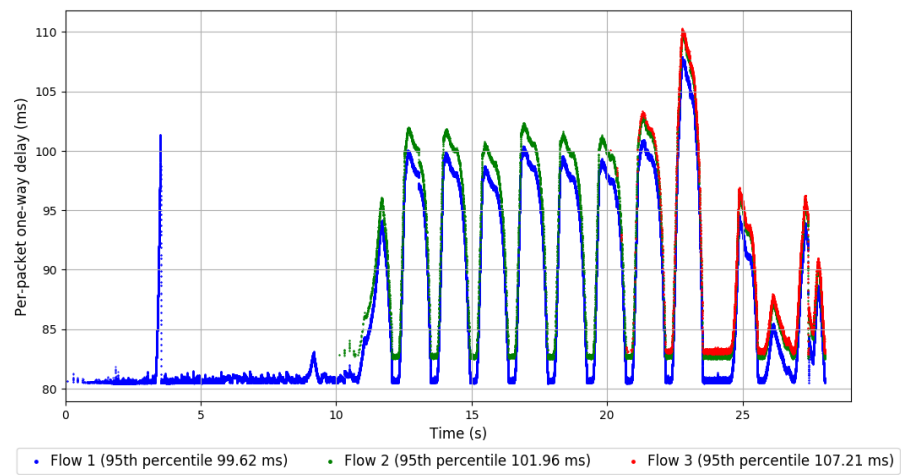
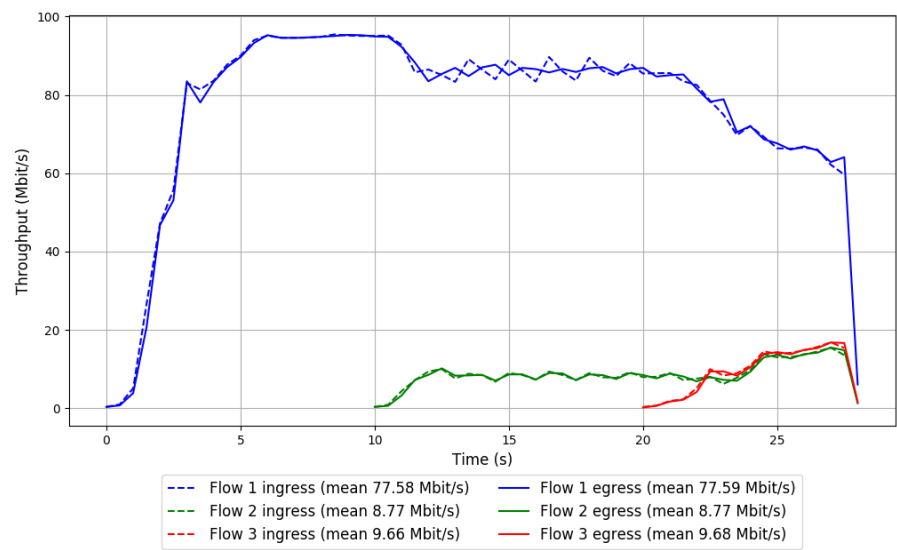


Run 10: Statistics of Copa

Start at: 2018-01-02 13:37:28
End at: 2018-01-02 13:37:58
Local clock offset: 0.177 ms
Remote clock offset: -4.768 ms

Below is generated by plot.py at 2018-01-02 14:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 99.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 99.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 101.959 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 107.208 ms
Loss rate: 0.02%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-01-02 10:39:35

End at: 2018-01-02 10:40:05

Local clock offset: -0.375 ms

Remote clock offset: -2.66 ms

Below is generated by plot.py at 2018-01-02 14:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 111.293 ms

Loss rate: 32.38%

-- Flow 1:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 111.309 ms

Loss rate: 24.50%

-- Flow 2:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 109.494 ms

Loss rate: 35.96%

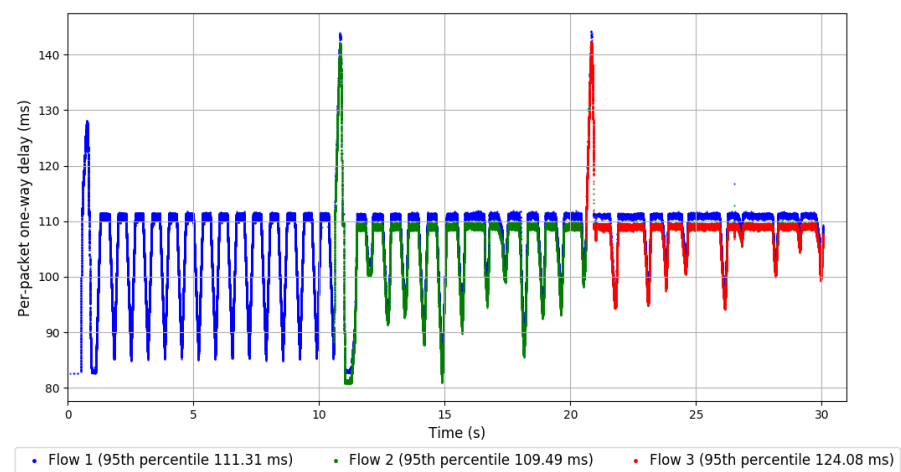
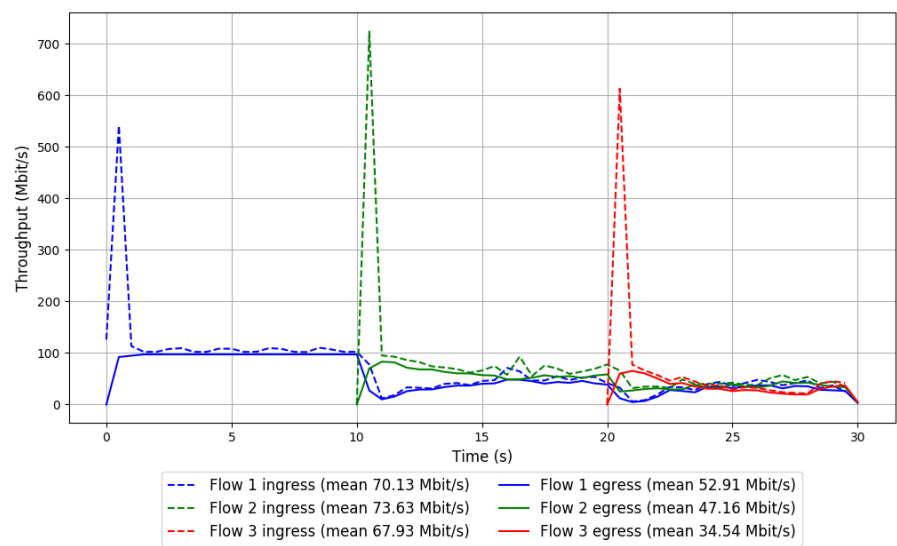
-- Flow 3:

Average throughput: 34.54 Mbit/s

95th percentile per-packet one-way delay: 124.077 ms

Loss rate: 49.15%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-02 10:59:00

End at: 2018-01-02 10:59:30

Local clock offset: -0.476 ms

Remote clock offset: 3.053 ms

Below is generated by plot.py at 2018-01-02 14:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 117.442 ms

Loss rate: 33.28%

-- Flow 1:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 117.450 ms

Loss rate: 26.23%

-- Flow 2:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 117.248 ms

Loss rate: 36.95%

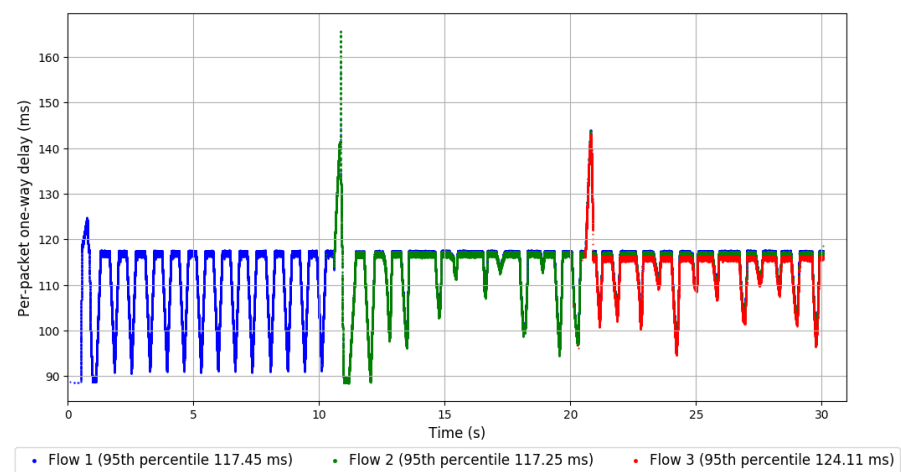
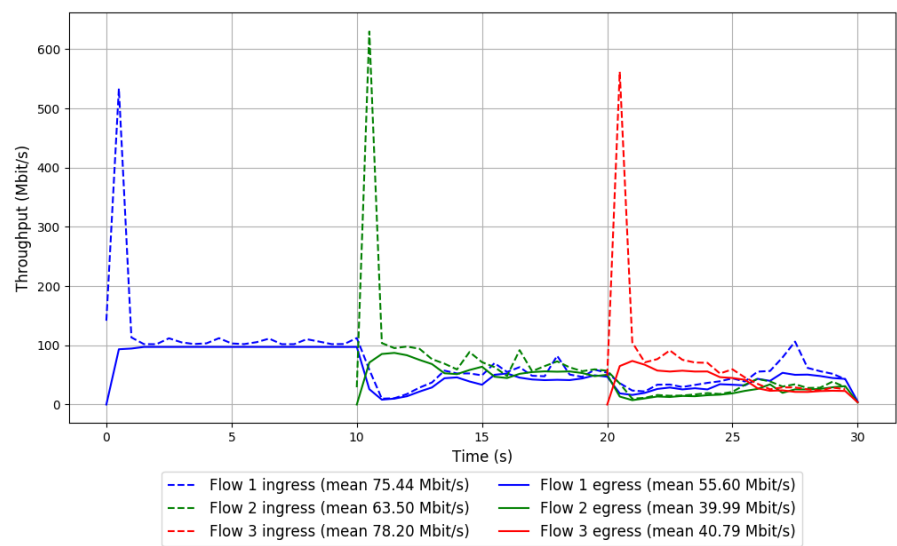
-- Flow 3:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 124.110 ms

Loss rate: 47.79%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-02 11:18:39

End at: 2018-01-02 11:19:09

Local clock offset: -0.444 ms

Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-01-02 14:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 111.802 ms

Loss rate: 33.06%

-- Flow 1:

Average throughput: 57.96 Mbit/s

95th percentile per-packet one-way delay: 111.786 ms

Loss rate: 24.08%

-- Flow 2:

Average throughput: 37.49 Mbit/s

95th percentile per-packet one-way delay: 109.880 ms

Loss rate: 40.94%

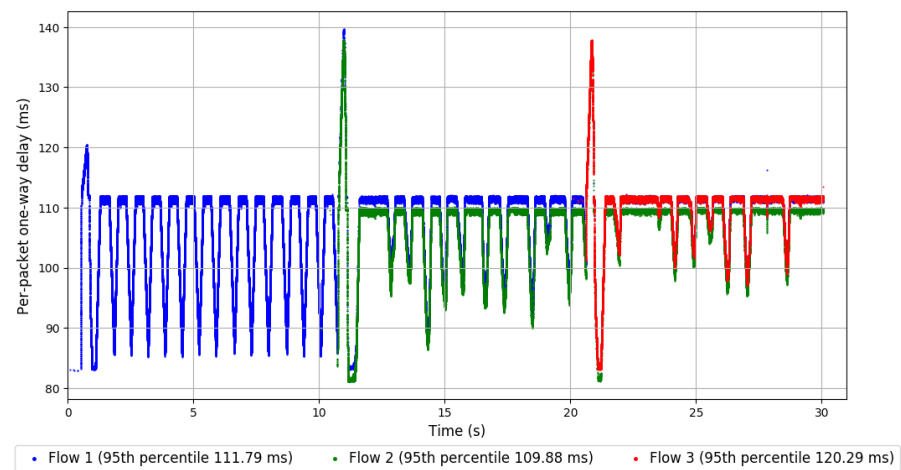
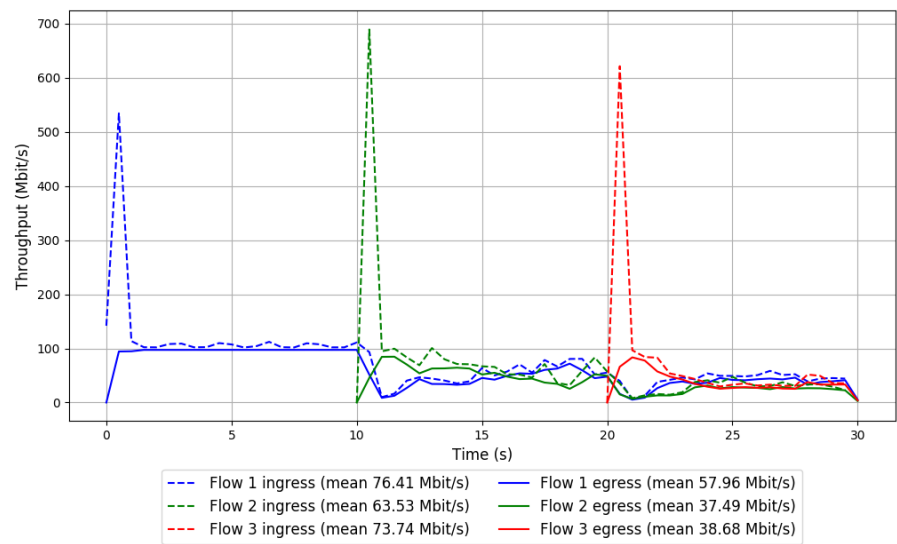
-- Flow 3:

Average throughput: 38.68 Mbit/s

95th percentile per-packet one-way delay: 120.290 ms

Loss rate: 47.54%

Run 3: Report of FillP — Data Link

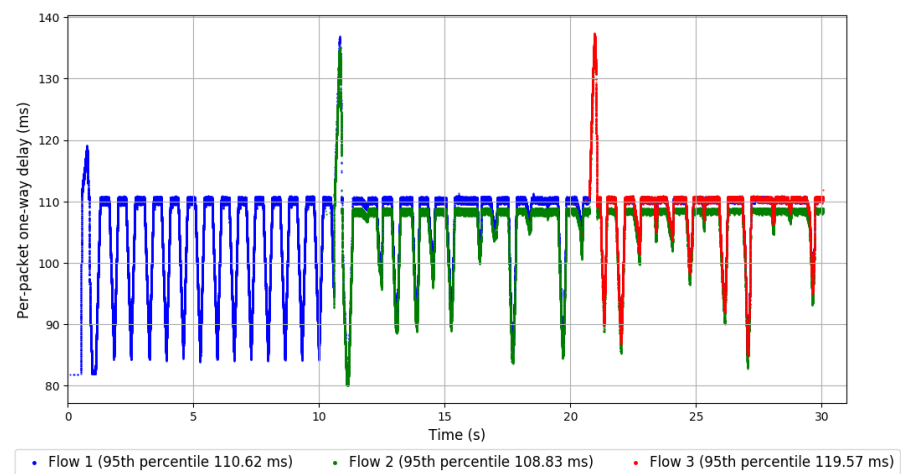
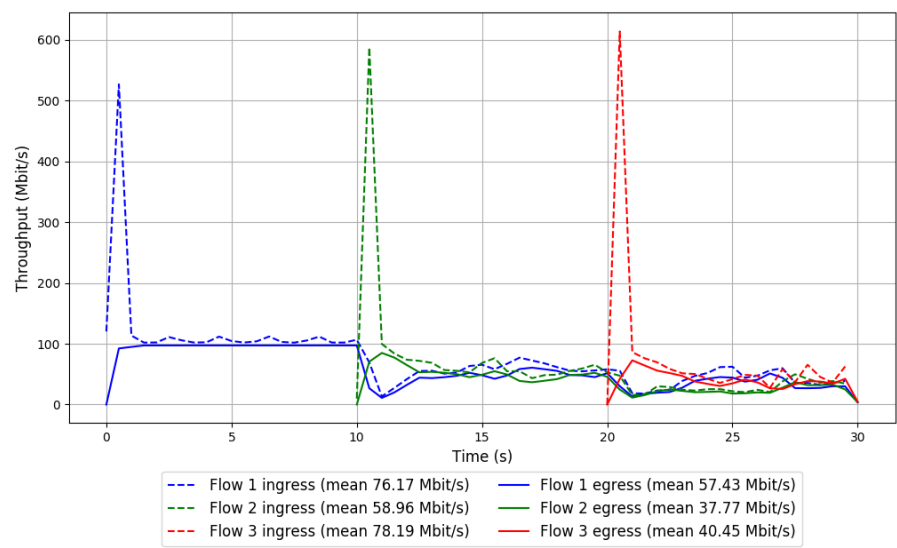


Run 4: Statistics of FillP

Start at: 2018-01-02 11:38:04
End at: 2018-01-02 11:38:34
Local clock offset: -0.52 ms
Remote clock offset: -4.023 ms

Below is generated by plot.py at 2018-01-02 14:18:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 110.657 ms
Loss rate: 32.19%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 24.54%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 108.834 ms
Loss rate: 35.91%
-- Flow 3:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 119.570 ms
Loss rate: 49.05%

Run 4: Report of FillP — Data Link

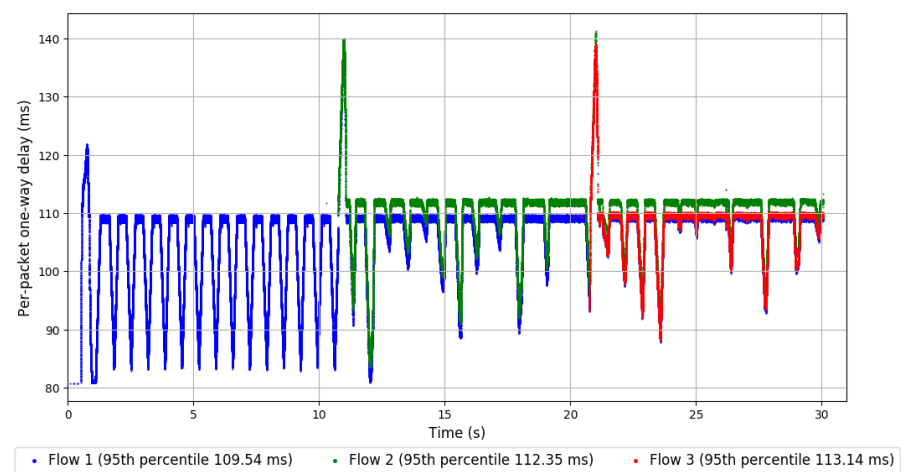
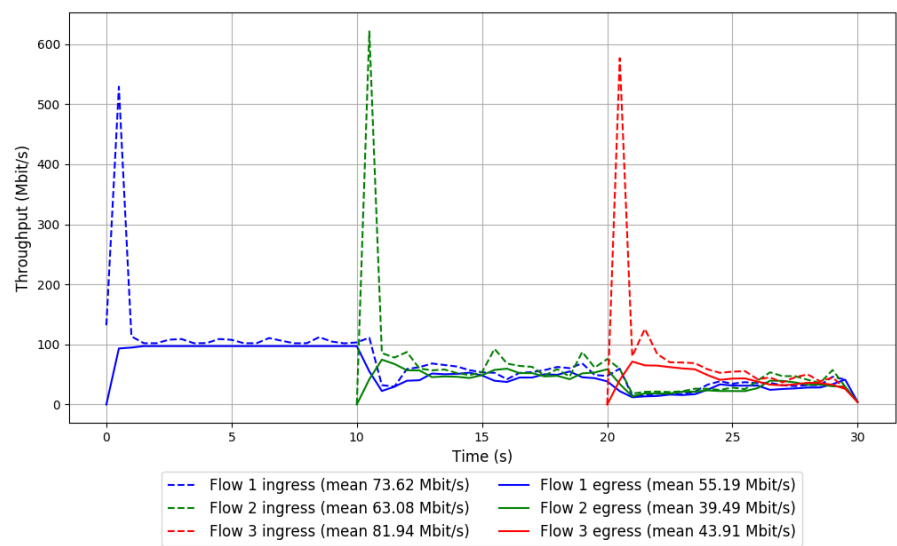


Run 5: Statistics of FillP

Start at: 2018-01-02 11:57:25
End at: 2018-01-02 11:57:55
Local clock offset: -0.476 ms
Remote clock offset: -3.533 ms

Below is generated by plot.py at 2018-01-02 14:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 112.245 ms
Loss rate: 32.85%
-- Flow 1:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 109.543 ms
Loss rate: 24.97%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 112.351 ms
Loss rate: 37.88%
-- Flow 3:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 113.142 ms
Loss rate: 46.41%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-02 12:16:45

End at: 2018-01-02 12:17:15

Local clock offset: -0.442 ms

Remote clock offset: 1.624 ms

Below is generated by plot.py at 2018-01-02 14:18:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 115.860 ms

Loss rate: 32.09%

-- Flow 1:

Average throughput: 55.59 Mbit/s

95th percentile per-packet one-way delay: 115.548 ms

Loss rate: 24.35%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 115.972 ms

Loss rate: 36.53%

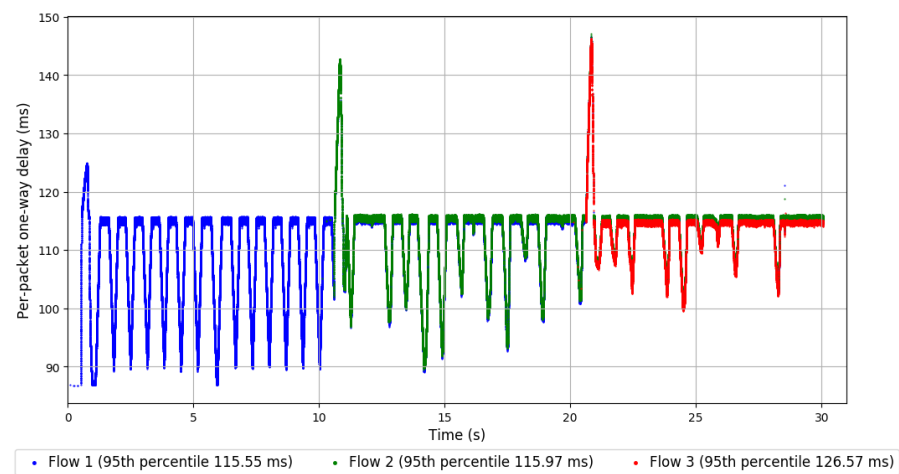
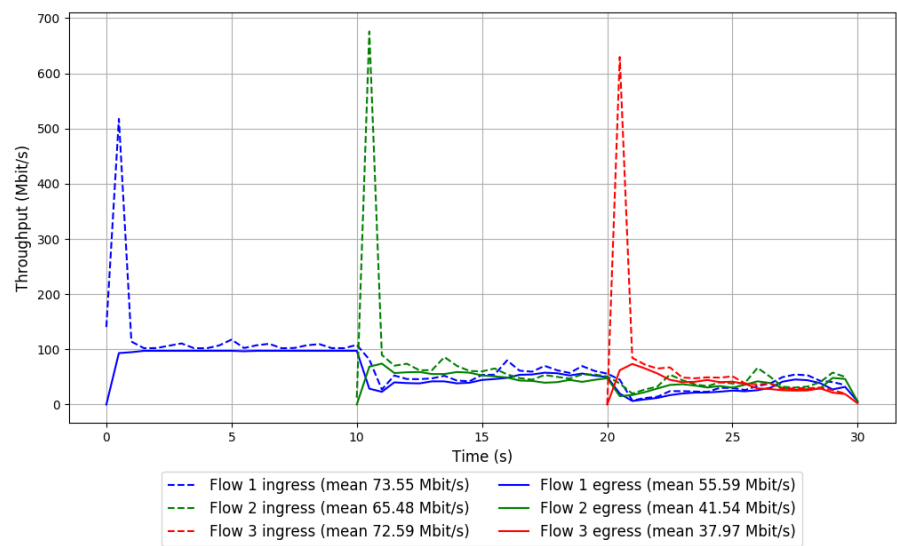
-- Flow 3:

Average throughput: 37.97 Mbit/s

95th percentile per-packet one-way delay: 126.567 ms

Loss rate: 47.70%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-02 12:35:57

End at: 2018-01-02 12:36:27

Local clock offset: -0.343 ms

Below is generated by plot.py at 2018-01-02 14:19:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 115.232 ms

Loss rate: 32.07%

-- Flow 1:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 115.244 ms

Loss rate: 24.72%

-- Flow 2:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 114.237 ms

Loss rate: 34.64%

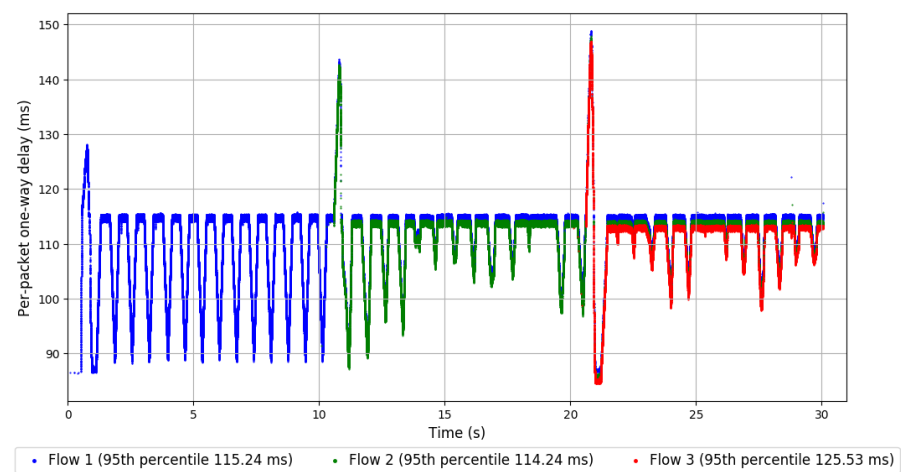
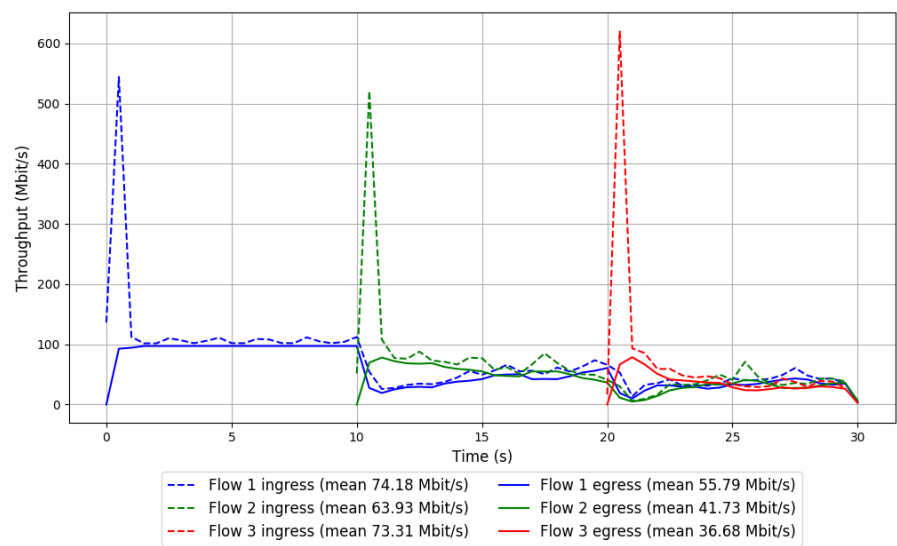
-- Flow 3:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 125.525 ms

Loss rate: 49.97%

Run 7: Report of FillP — Data Link

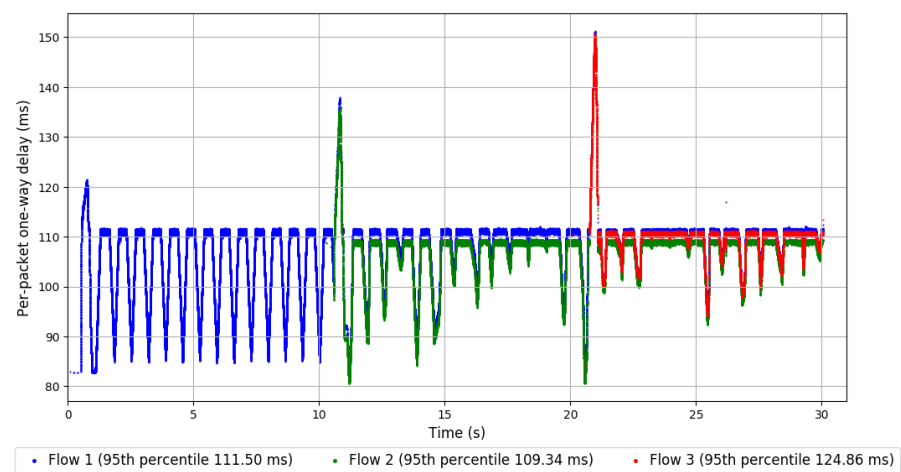
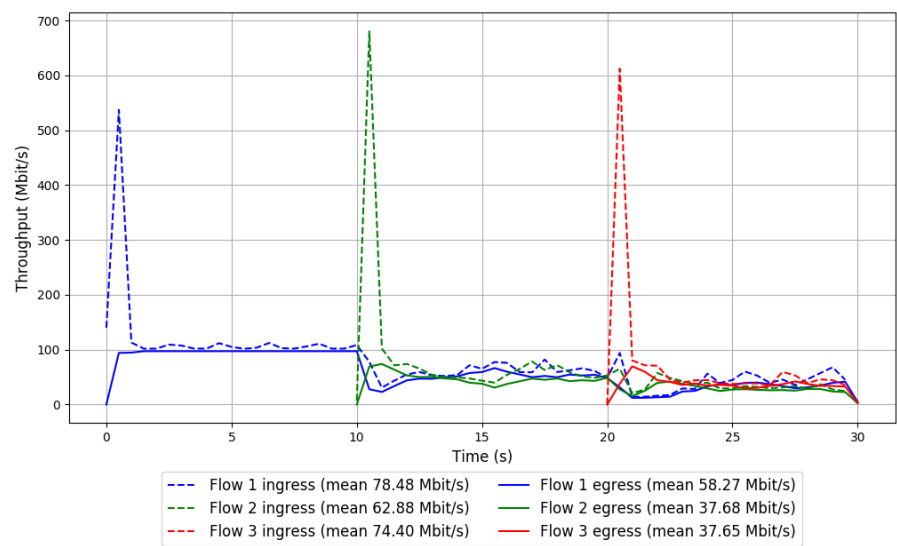


Run 8: Statistics of FillP

Start at: 2018-01-02 12:54:41
End at: 2018-01-02 12:55:11
Local clock offset: -0.279 ms
Remote clock offset: -4.879 ms

Below is generated by plot.py at 2018-01-02 14:20:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 111.492 ms
Loss rate: 33.86%
-- Flow 1:
Average throughput: 58.27 Mbit/s
95th percentile per-packet one-way delay: 111.497 ms
Loss rate: 25.69%
-- Flow 2:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 109.337 ms
Loss rate: 40.04%
-- Flow 3:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 124.856 ms
Loss rate: 49.39%

Run 8: Report of FillP — Data Link

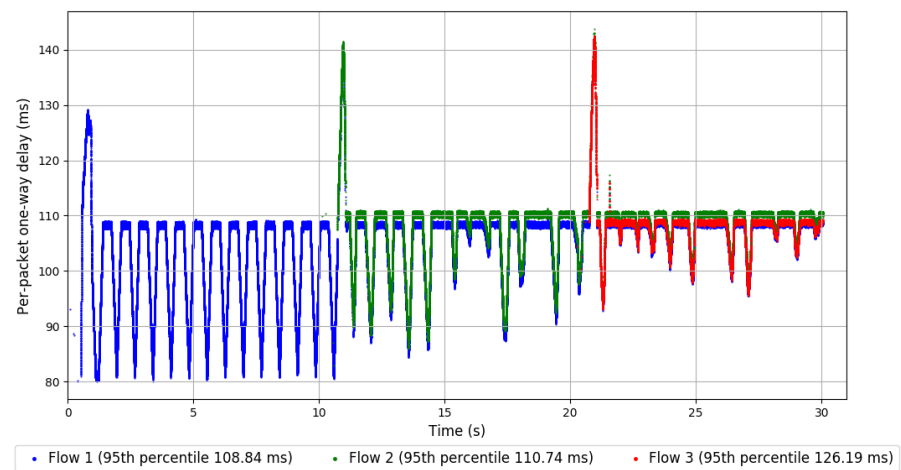
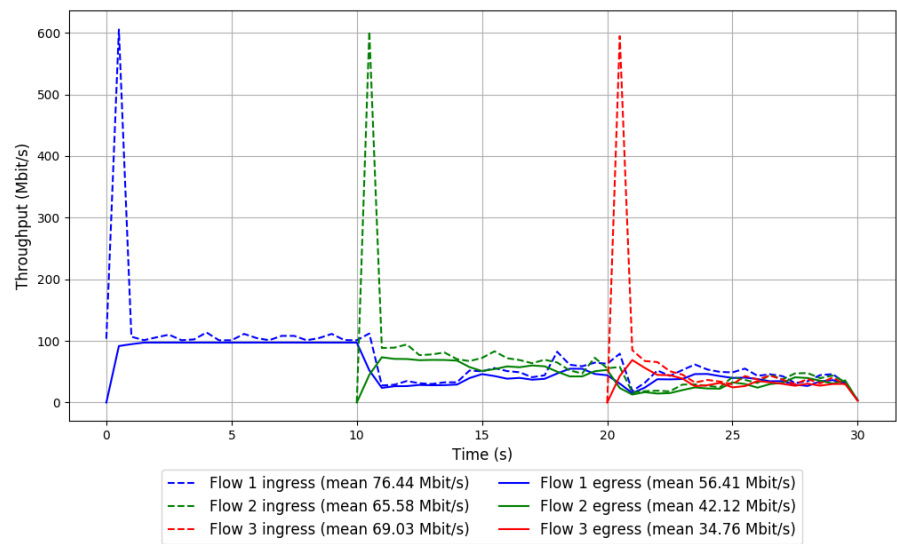


Run 9: Statistics of FillP

Start at: 2018-01-02 13:14:13
End at: 2018-01-02 13:14:43
Local clock offset: -0.097 ms
Remote clock offset: -5.161 ms

Below is generated by plot.py at 2018-01-02 14:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 110.648 ms
Loss rate: 32.98%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 108.836 ms
Loss rate: 26.16%
-- Flow 2:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 35.77%
-- Flow 3:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 126.188 ms
Loss rate: 50.39%

Run 9: Report of FillP — Data Link

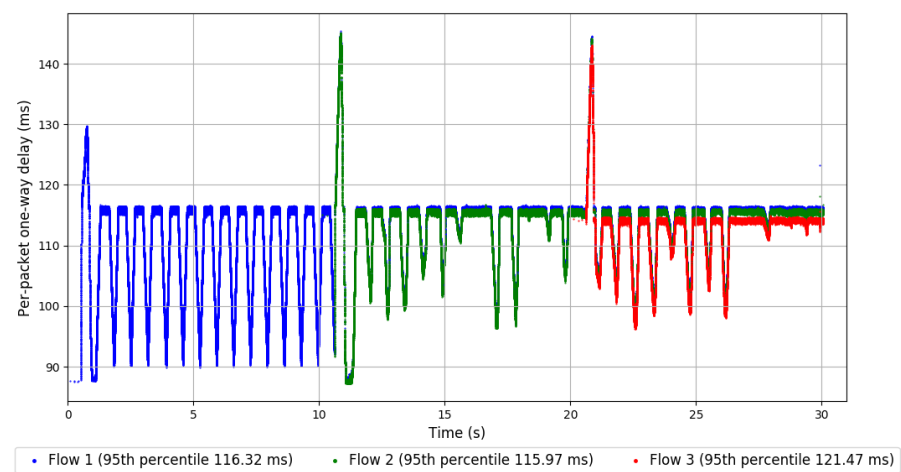
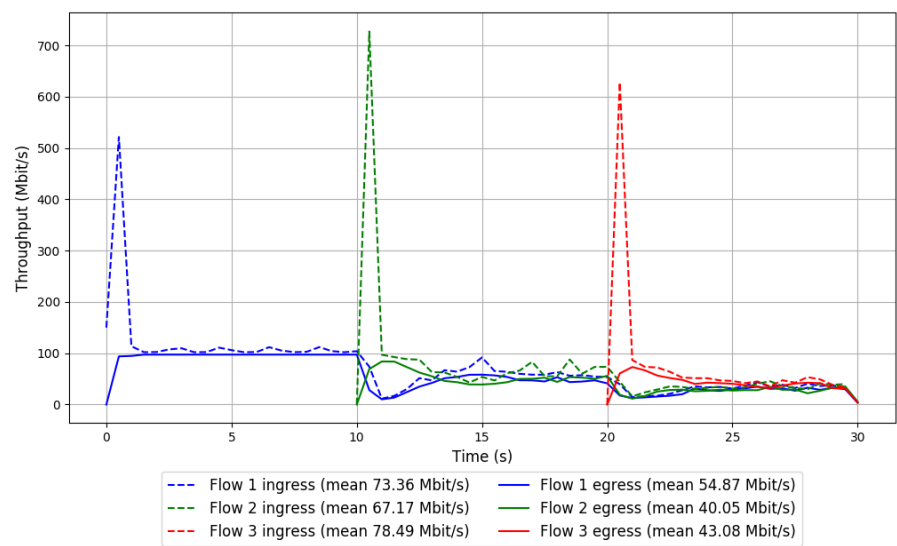


Run 10: Statistics of FillP

Start at: 2018-01-02 13:33:37
End at: 2018-01-02 13:34:07
Local clock offset: 0.137 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-01-02 14:20:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 116.307 ms
Loss rate: 33.48%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 116.319 ms
Loss rate: 25.14%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 115.969 ms
Loss rate: 40.38%
-- Flow 3:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 121.465 ms
Loss rate: 45.12%

Run 10: Report of FillP — Data Link

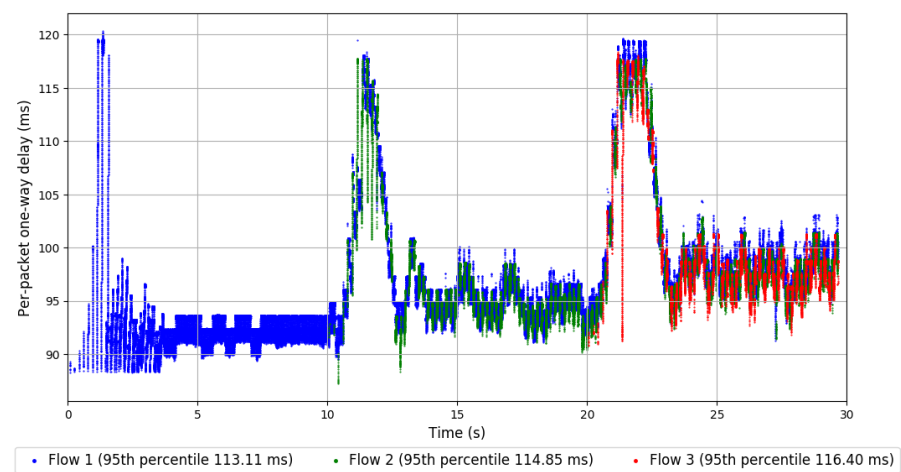
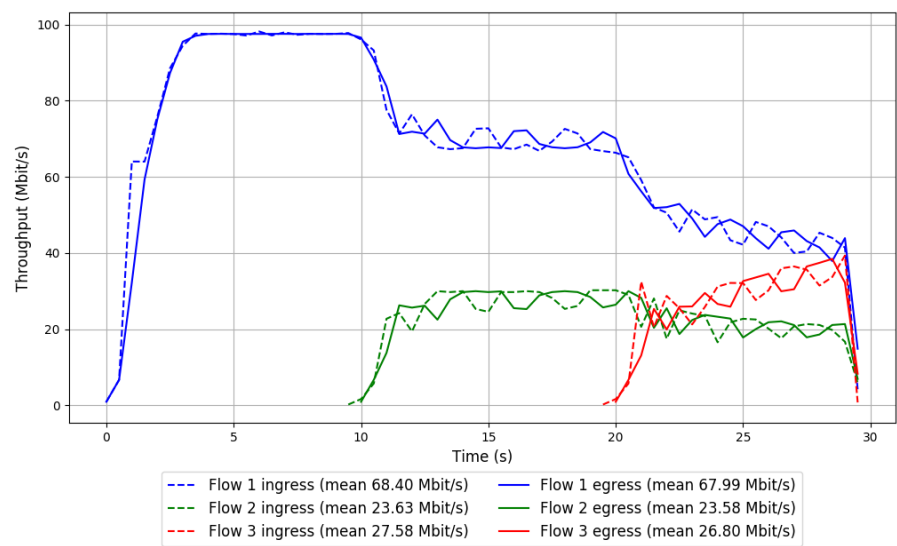


```
Run 1: Statistics of Indigo

Start at: 2018-01-02 10:44:51
End at: 2018-01-02 10:45:21
Local clock offset: -0.43 ms
Remote clock offset: 2.837 ms

# Below is generated by plot.py at 2018-01-02 14:20:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 114.098 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 67.99 Mbit/s
95th percentile per-packet one-way delay: 113.115 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 114.852 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 116.398 ms
Loss rate: 2.75%
```

Run 1: Report of Indigo — Data Link

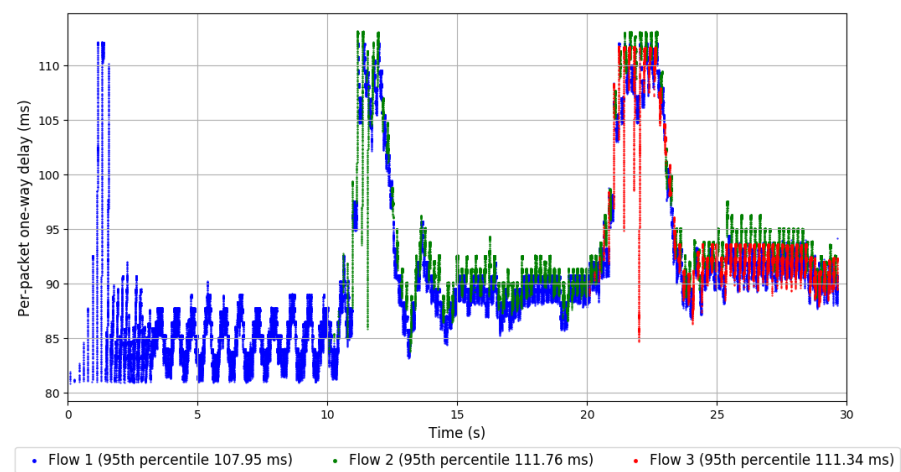
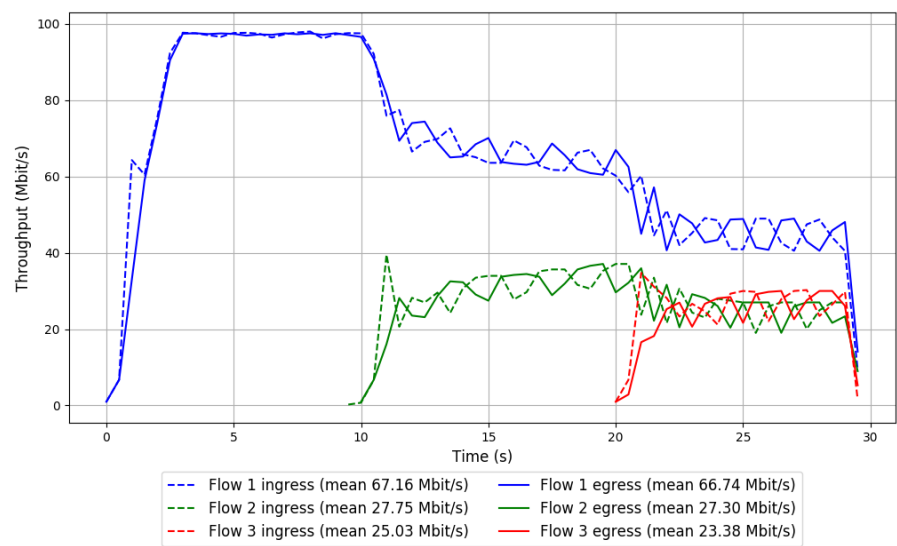


Run 2: Statistics of Indigo

Start at: 2018-01-02 11:04:15
End at: 2018-01-02 11:04:45
Local clock offset: -0.46 ms
Remote clock offset: -3.594 ms

Below is generated by plot.py at 2018-01-02 14:20:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 109.403 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 66.74 Mbit/s
95th percentile per-packet one-way delay: 107.946 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 111.763 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 111.343 ms
Loss rate: 6.55%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-02 11:23:53

End at: 2018-01-02 11:24:23

Local clock offset: -0.524 ms

Remote clock offset: 1.927 ms

Below is generated by plot.py at 2018-01-02 14:20:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 116.347 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 116.294 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 116.177 ms

Loss rate: 2.48%

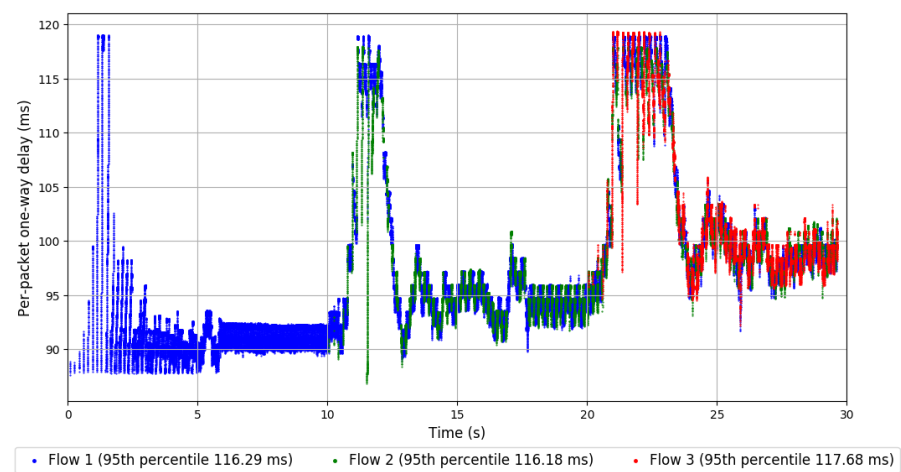
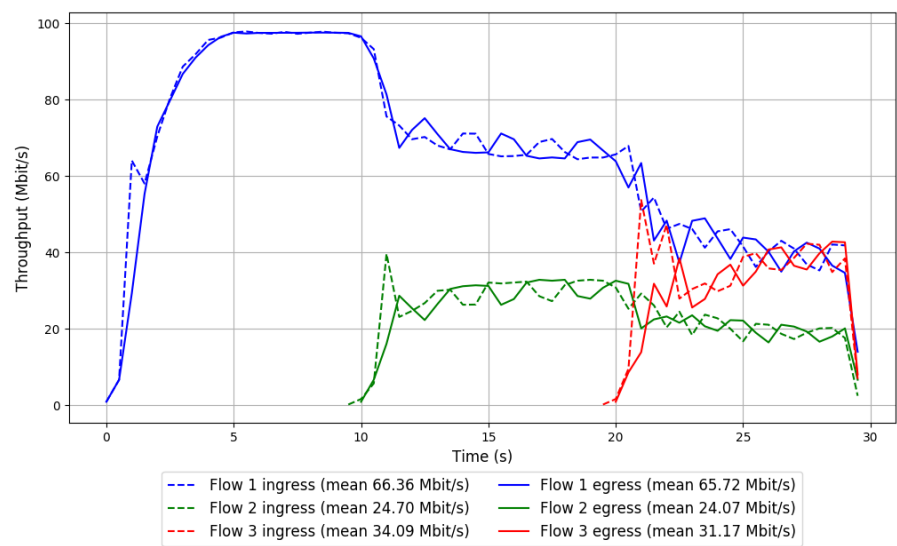
-- Flow 3:

Average throughput: 31.17 Mbit/s

95th percentile per-packet one-way delay: 117.677 ms

Loss rate: 8.53%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-02 11:43:17

End at: 2018-01-02 11:43:47

Local clock offset: -0.427 ms

Remote clock offset: -3.27 ms

Below is generated by plot.py at 2018-01-02 14:20:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 110.816 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 110.893 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 110.118 ms

Loss rate: 1.26%

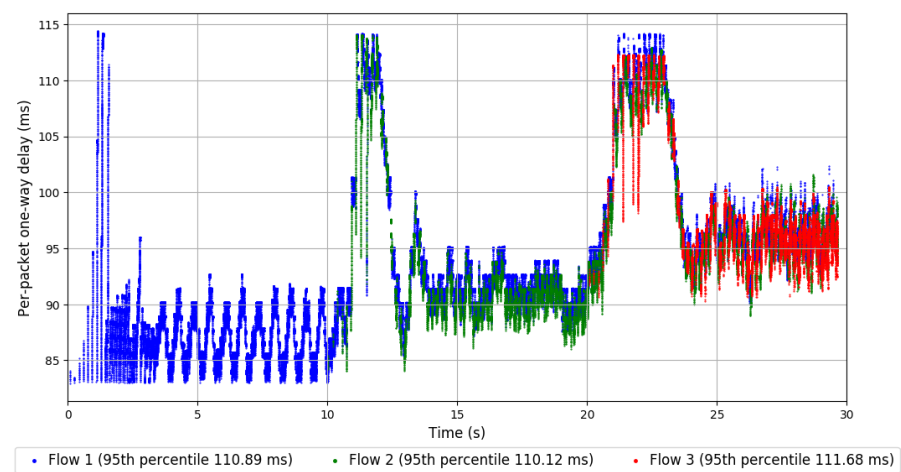
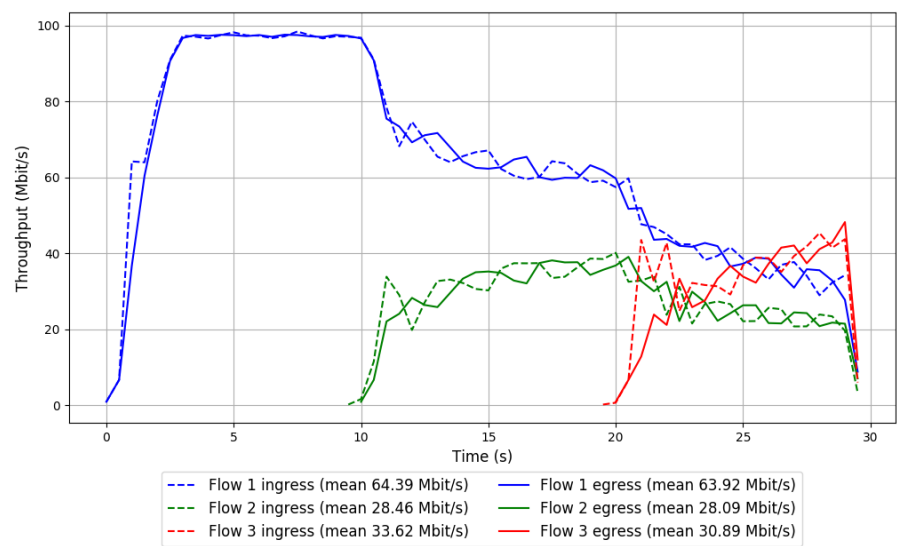
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 111.676 ms

Loss rate: 8.10%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-02 12:02:37

End at: 2018-01-02 12:03:07

Local clock offset: -0.42 ms

Remote clock offset: 1.663 ms

Below is generated by plot.py at 2018-01-02 14:20:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 115.791 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 114.807 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 116.289 ms

Loss rate: 2.86%

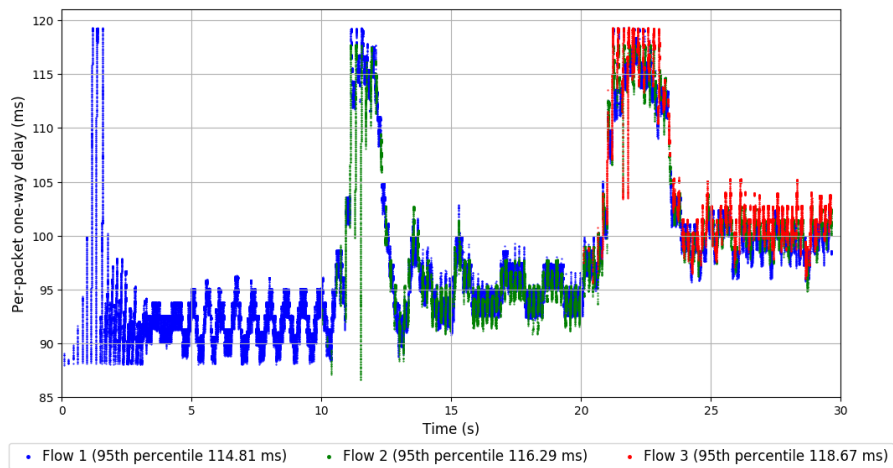
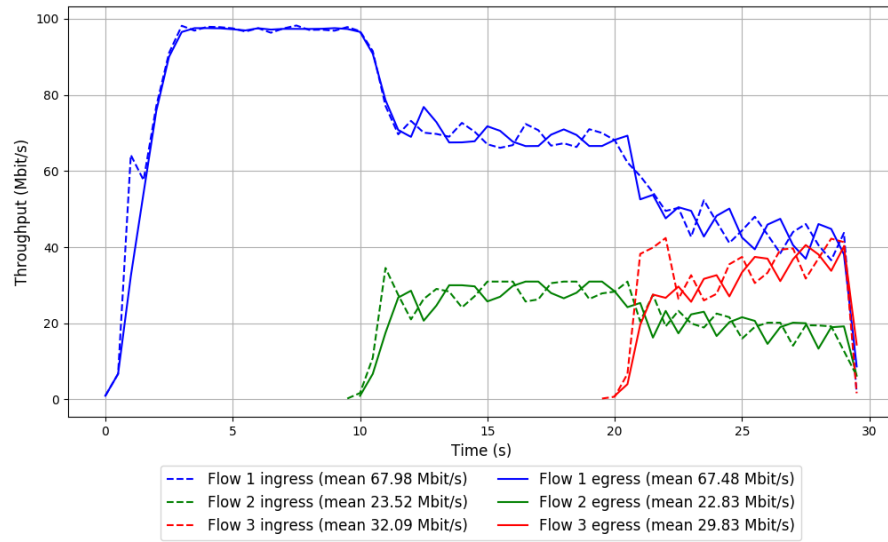
-- Flow 3:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 118.671 ms

Loss rate: 6.97%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-02 12:22:02

End at: 2018-01-02 12:22:32

Local clock offset: -0.349 ms

Remote clock offset: 1.072 ms

Below is generated by plot.py at 2018-01-02 14:20:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 114.503 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 63.30 Mbit/s

95th percentile per-packet one-way delay: 113.431 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 115.924 ms

Loss rate: 2.42%

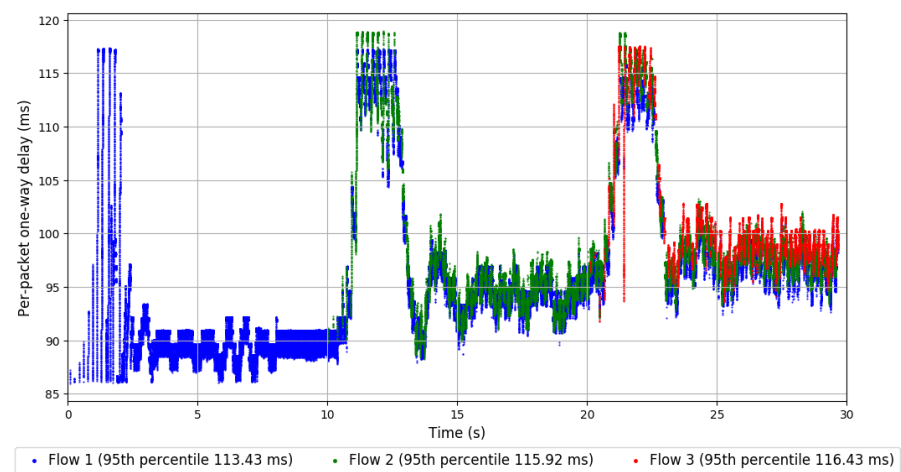
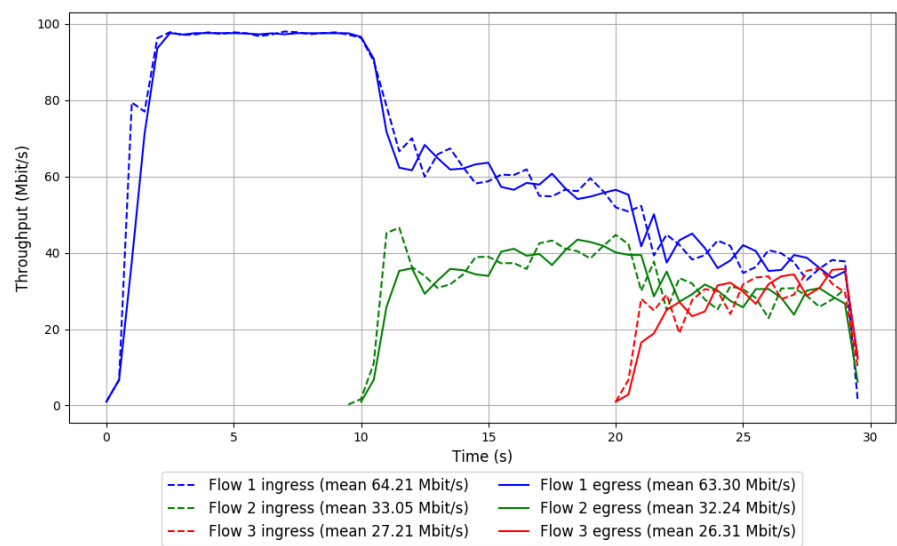
-- Flow 3:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 116.434 ms

Loss rate: 3.29%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-02 12:40:28

End at: 2018-01-02 12:40:58

Local clock offset: -0.338 ms

Remote clock offset: 1.038 ms

Below is generated by plot.py at 2018-01-02 14:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 113.236 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 65.68 Mbit/s

95th percentile per-packet one-way delay: 112.557 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 114.595 ms

Loss rate: 1.29%

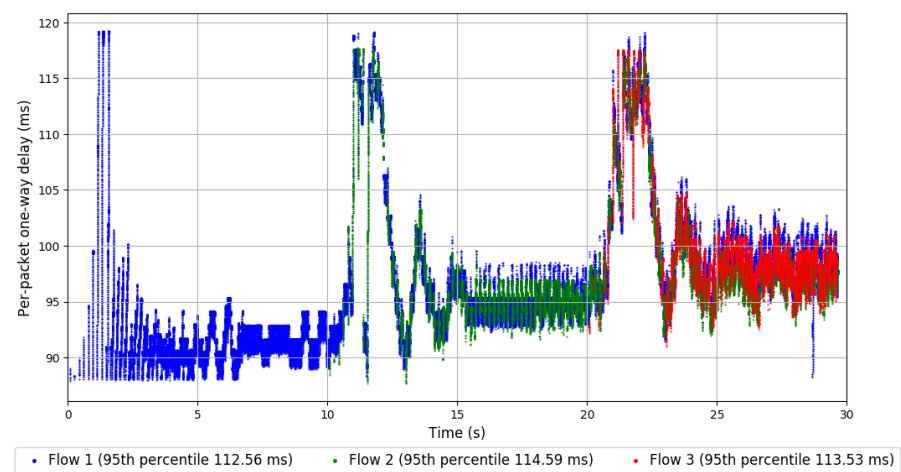
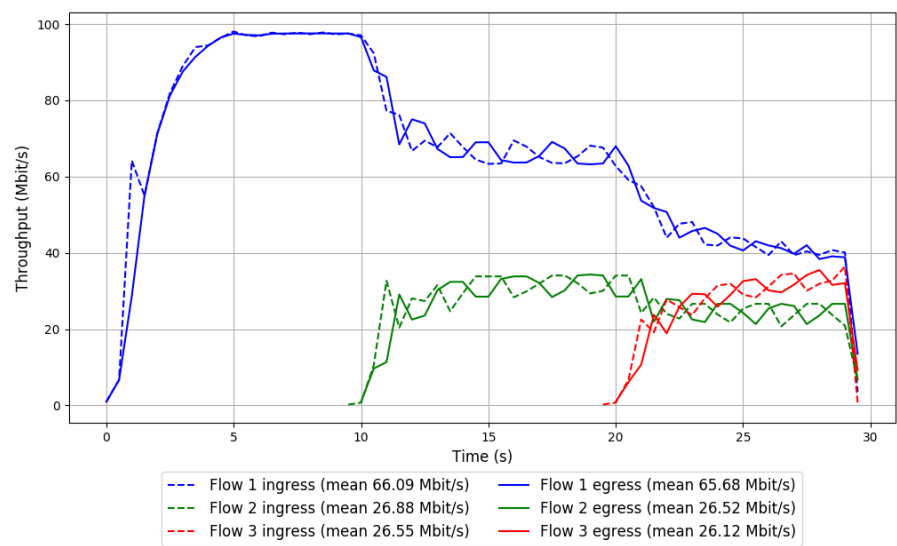
-- Flow 3:

Average throughput: 26.12 Mbit/s

95th percentile per-packet one-way delay: 113.530 ms

Loss rate: 1.55%

Run 7: Report of Indigo — Data Link

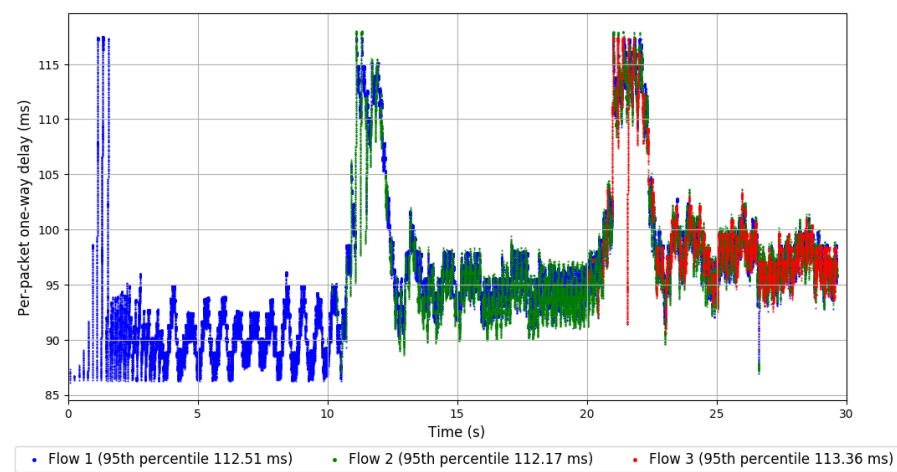
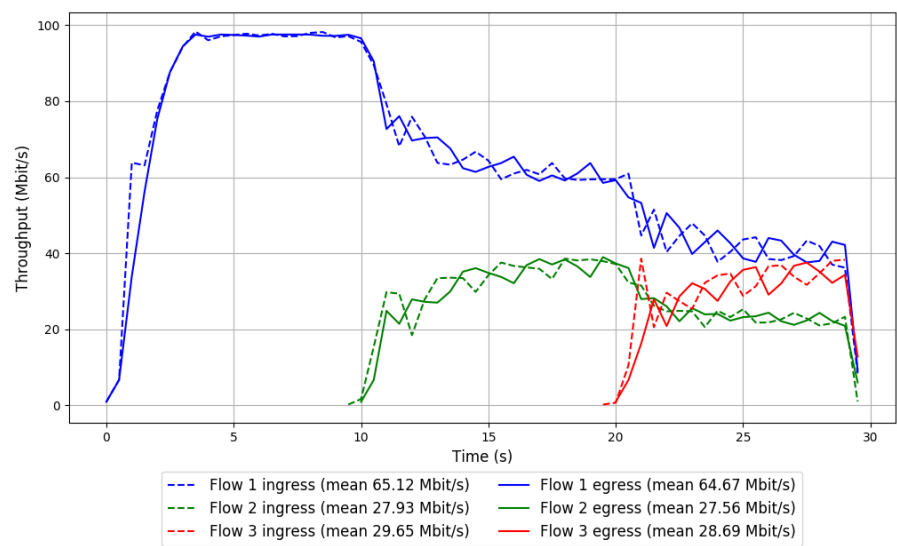


Run 8: Statistics of Indigo

Start at: 2018-01-02 12:59:58
End at: 2018-01-02 13:00:28
Local clock offset: -0.258 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-01-02 14:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 112.470 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 112.508 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 112.165 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 113.359 ms
Loss rate: 3.21%

Run 8: Report of Indigo — Data Link

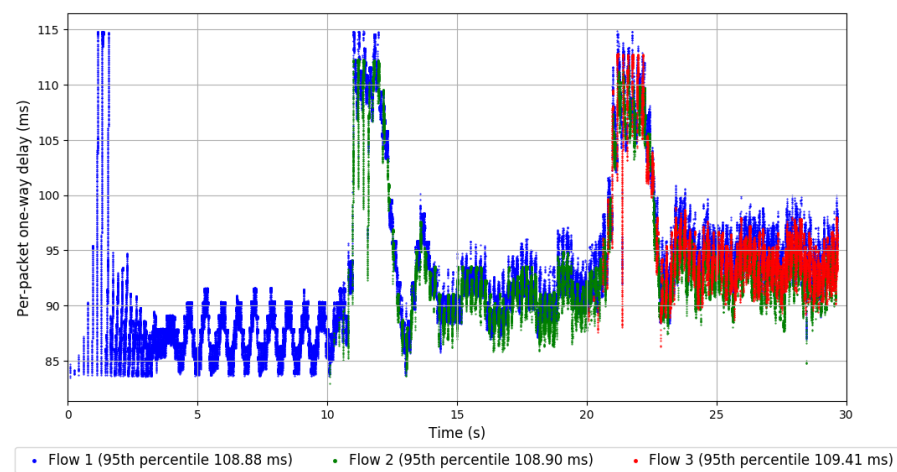
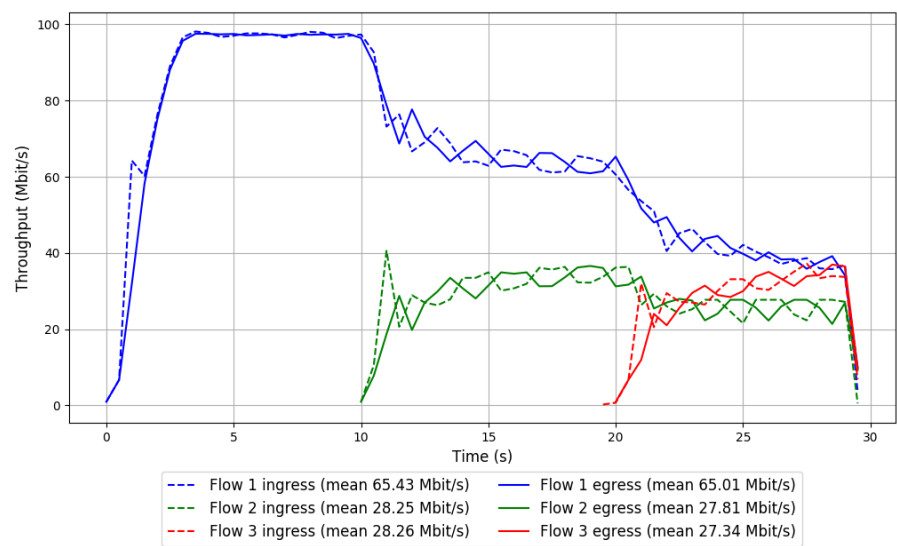


Run 9: Statistics of Indigo

Start at: 2018-01-02 13:19:29
End at: 2018-01-02 13:19:59
Local clock offset: -0.121 ms
Remote clock offset: -4.341 ms

Below is generated by plot.py at 2018-01-02 14:21:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 108.957 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 108.877 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 108.903 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 109.413 ms
Loss rate: 3.20%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-02 13:38:50
End at: 2018-01-02 13:39:20
Local clock offset: 0.185 ms
Remote clock offset: -5.564 ms

Below is generated by plot.py at 2018-01-02 14:21:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 108.835 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 108.910 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 108.781 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 108.921 ms
Loss rate: 3.19%

Run 10: Report of Indigo — Data Link

