

Pantheon Report

Generated at 2018-02-13 22:10:33 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

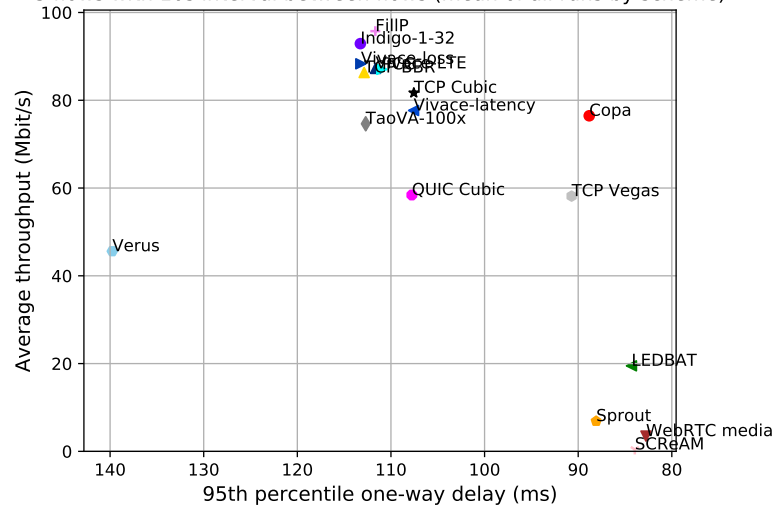
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

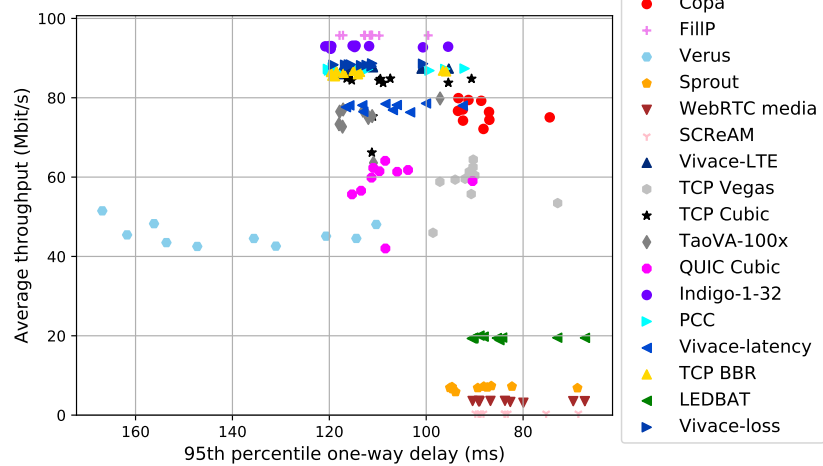
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



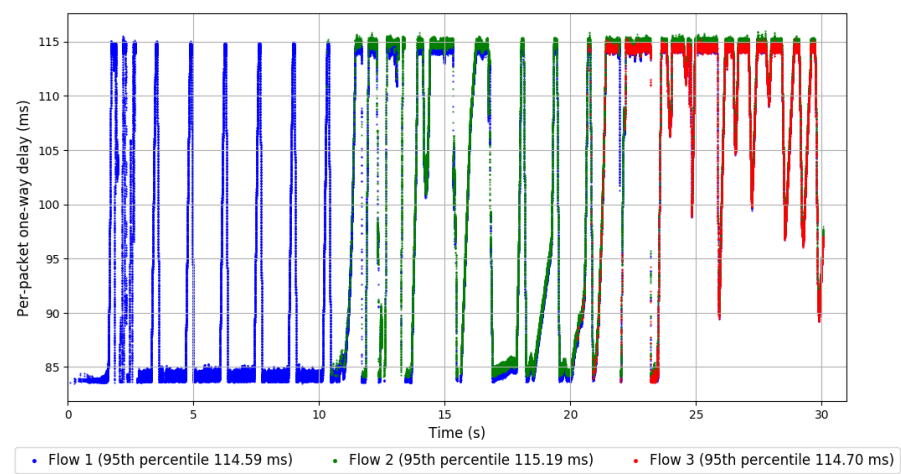
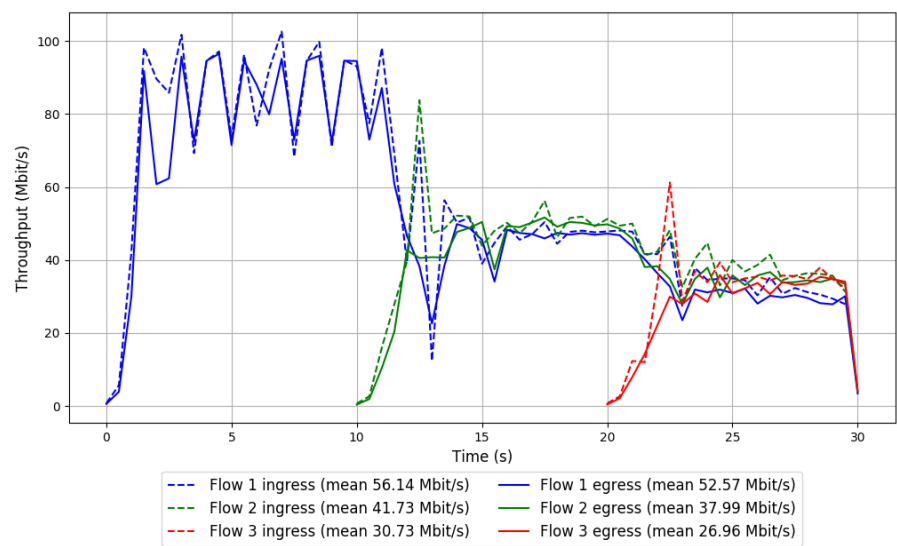
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	54.45	36.22	23.56	112.31	112.59	112.24	6.91	10.21	11.92
TCP Cubic	10	50.67	37.26	18.69	105.81	108.51	108.81	0.39	0.74	0.86
LEDBAT	10	12.54	8.43	4.08	83.99	84.29	84.32	0.00	0.00	0.00
PCC	10	78.52	9.32	7.03	110.94	111.24	110.96	2.81	4.96	4.50
QUIC Cubic	10	38.81	22.00	15.38	107.96	103.77	103.14	0.76	0.85	2.52
SCReAM	10	0.22	0.22	0.22	83.10	83.49	83.42	0.00	0.00	0.00
WebRTC media	10	1.98	1.20	0.32	82.47	86.56	82.75	0.00	0.00	0.01
Sprout	10	3.83	3.24	2.75	87.96	88.28	87.53	0.00	0.00	0.00
TaoVA-100x	10	46.89	30.02	23.91	112.36	112.90	110.03	4.42	8.55	10.07
TCP Vegas	10	26.27	30.16	35.57	89.98	92.53	89.58	0.47	0.69	1.26
Verus	10	28.17	19.83	14.48	129.22	123.73	129.54	45.31	37.40	39.67
Copa	10	48.14	35.08	14.95	87.55	90.00	90.92	0.00	0.00	0.00
FillP	10	55.21	39.88	42.70	111.15	110.72	123.82	24.47	36.76	46.11
Indigo-1-32	10	63.06	23.40	45.32	112.41	112.75	112.80	15.48	39.08	63.76
Vivace-latency	10	66.80	13.06	6.64	107.69	106.64	106.12	0.15	0.26	0.23
Vivace-loss	10	81.42	8.53	3.72	113.19	113.37	113.79	2.95	3.27	4.22
Vivace-LTE	10	74.84	13.77	9.90	111.62	111.69	111.32	2.99	2.26	3.09

Run 1: Statistics of TCP BBR

Start at: 2018-02-13 17:34:39
End at: 2018-02-13 17:35:09
Local clock offset: -6.712 ms
Remote clock offset: -3.923 ms

Below is generated by plot.py at 2018-02-13 21:48:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 115.003 ms
Loss rate: 7.72%
-- Flow 1:
Average throughput: 52.57 Mbit/s
95th percentile per-packet one-way delay: 114.595 ms
Loss rate: 6.32%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 115.188 ms
Loss rate: 8.91%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 114.699 ms
Loss rate: 12.19%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-13 17:58:18

End at: 2018-02-13 17:58:48

Local clock offset: -4.647 ms

Remote clock offset: 0.59 ms

Below is generated by plot.py at 2018-02-13 21:48:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 119.654 ms

Loss rate: 8.07%

-- Flow 1:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 119.664 ms

Loss rate: 6.71%

-- Flow 2:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 117.956 ms

Loss rate: 9.94%

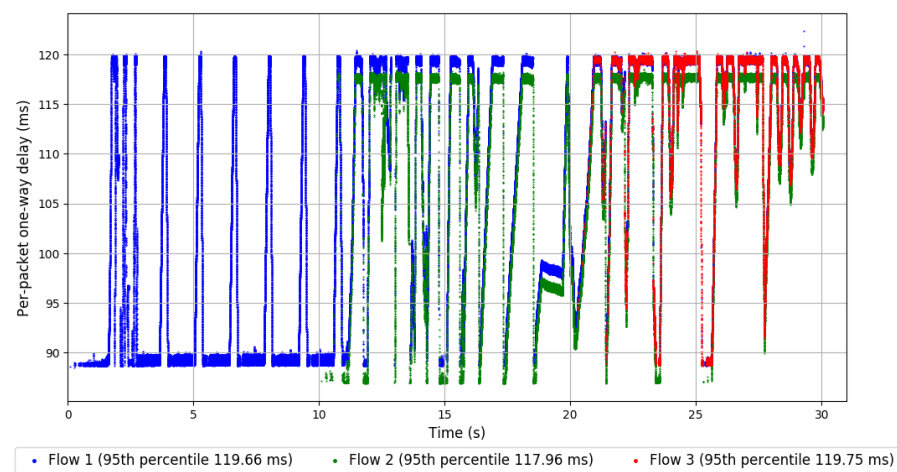
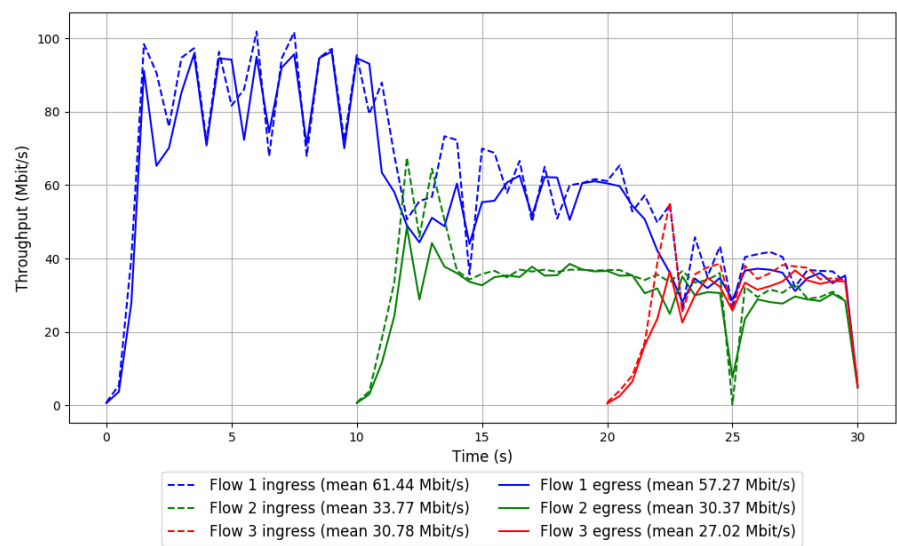
-- Flow 3:

Average throughput: 27.02 Mbit/s

95th percentile per-packet one-way delay: 119.755 ms

Loss rate: 12.07%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-13 18:21:52

End at: 2018-02-13 18:22:22

Local clock offset: -2.847 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-02-13 21:48:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 118.512 ms

Loss rate: 7.75%

-- Flow 1:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 116.603 ms

Loss rate: 6.93%

-- Flow 2:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 118.679 ms

Loss rate: 9.05%

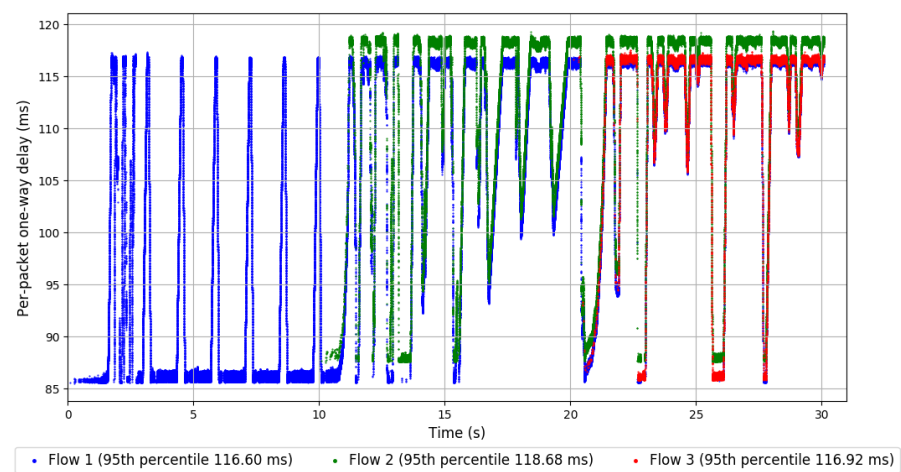
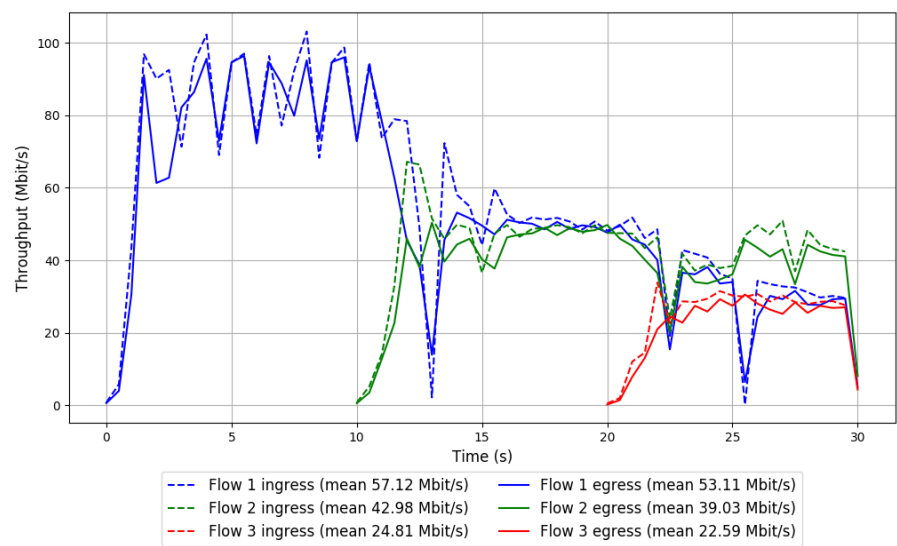
-- Flow 3:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 116.915 ms

Loss rate: 8.93%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-13 18:45:30

End at: 2018-02-13 18:46:00

Local clock offset: -4.696 ms

Remote clock offset: 1.262 ms

Below is generated by plot.py at 2018-02-13 21:48:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 118.846 ms

Loss rate: 9.62%

-- Flow 1:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 118.839 ms

Loss rate: 8.07%

-- Flow 2:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 118.882 ms

Loss rate: 12.22%

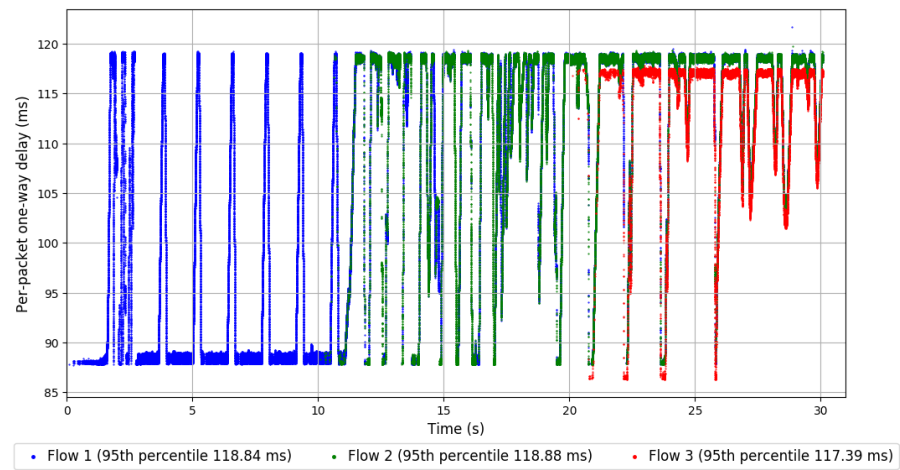
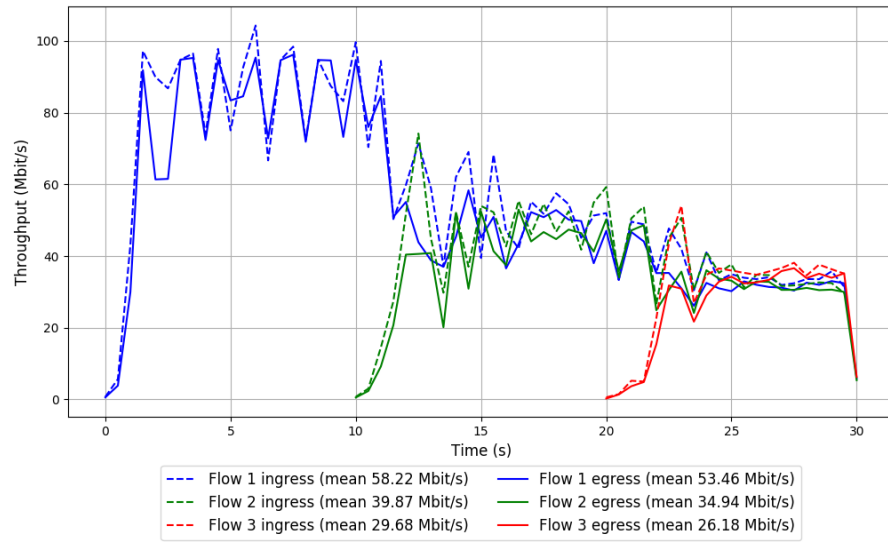
-- Flow 3:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 117.387 ms

Loss rate: 11.79%

Run 4: Report of TCP BBR — Data Link

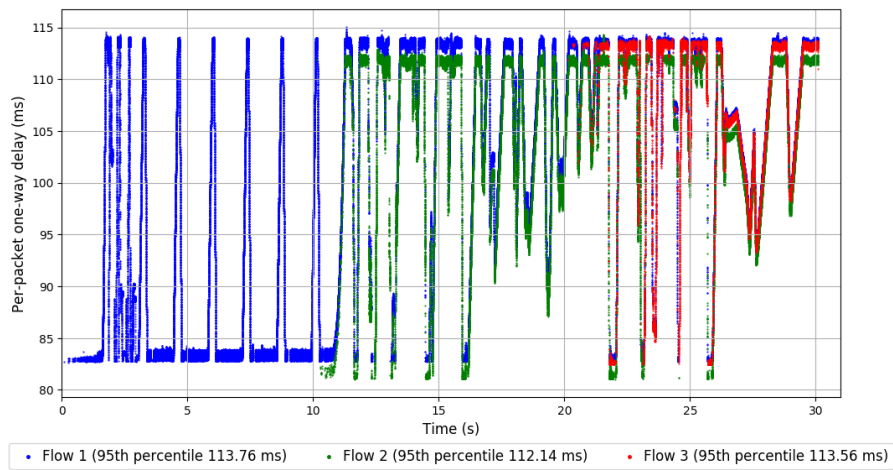
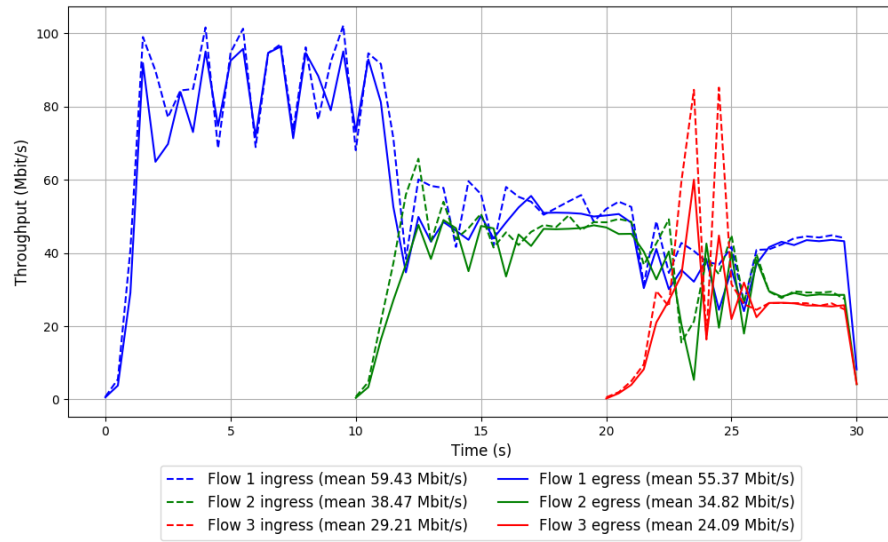


Run 5: Statistics of TCP BBR

Start at: 2018-02-13 19:09:15
End at: 2018-02-13 19:09:45
Local clock offset: -4.314 ms
Remote clock offset: -4.138 ms

Below is generated by plot.py at 2018-02-13 21:48:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 113.678 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 113.757 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 112.141 ms
Loss rate: 9.49%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 113.561 ms
Loss rate: 17.54%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-13 19:32:52

End at: 2018-02-13 19:33:22

Local clock offset: -4.07 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-02-13 21:48:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.94 Mbit/s

95th percentile per-packet one-way delay: 114.081 ms

Loss rate: 9.04%

-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 114.116 ms

Loss rate: 6.63%

-- Flow 2:

Average throughput: 36.96 Mbit/s

95th percentile per-packet one-way delay: 113.898 ms

Loss rate: 10.71%

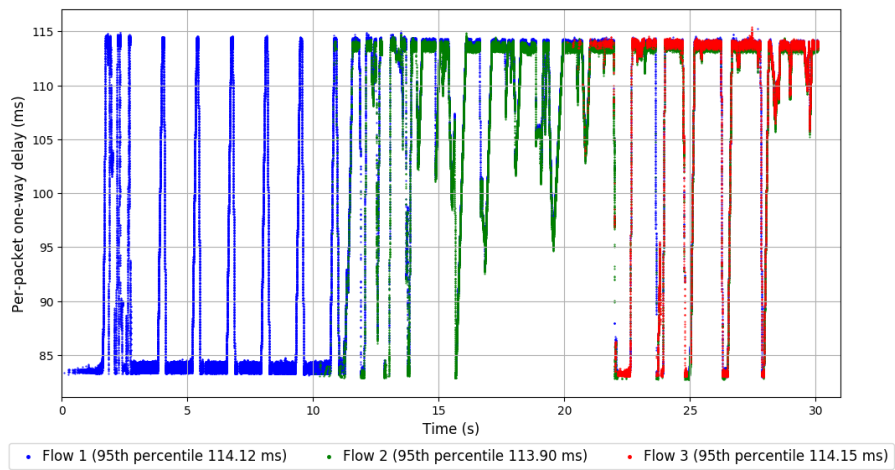
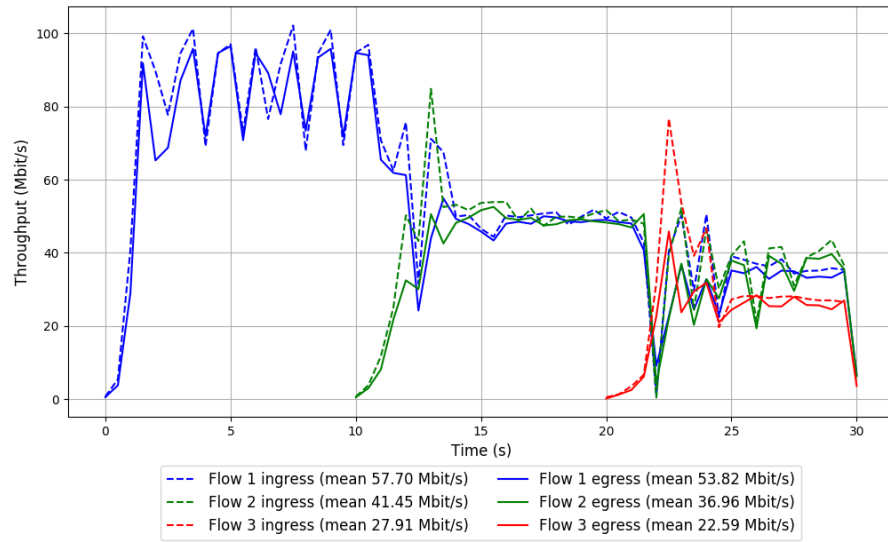
-- Flow 3:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 114.148 ms

Loss rate: 19.08%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-13 19:56:41

End at: 2018-02-13 19:57:11

Local clock offset: -7.946 ms

Remote clock offset: 9.523 ms

Below is generated by plot.py at 2018-02-13 21:48:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 117.041 ms

Loss rate: 9.79%

-- Flow 1:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 116.954 ms

Loss rate: 7.48%

-- Flow 2:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 117.046 ms

Loss rate: 12.37%

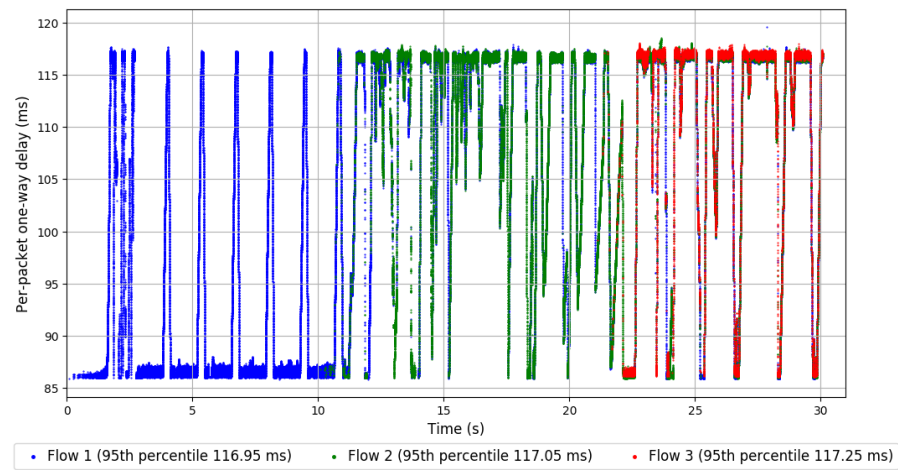
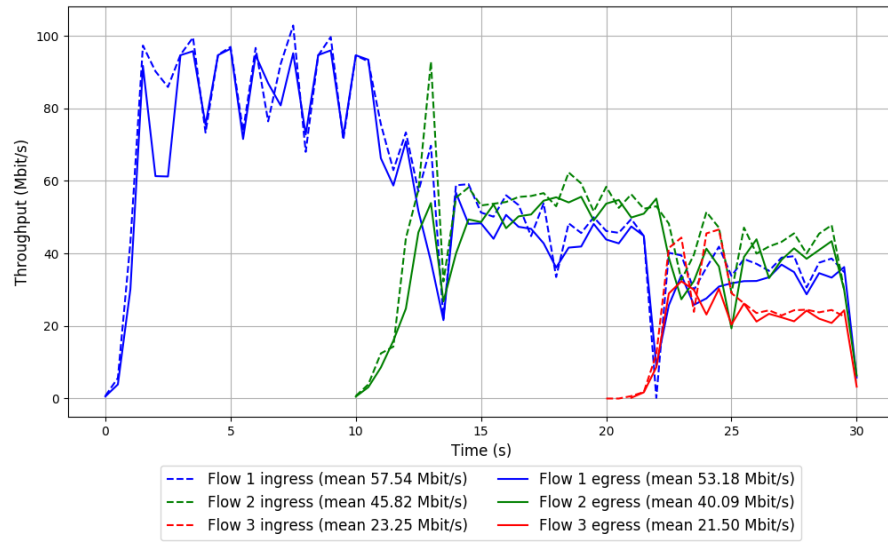
-- Flow 3:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 117.255 ms

Loss rate: 16.79%

Run 7: Report of TCP BBR — Data Link

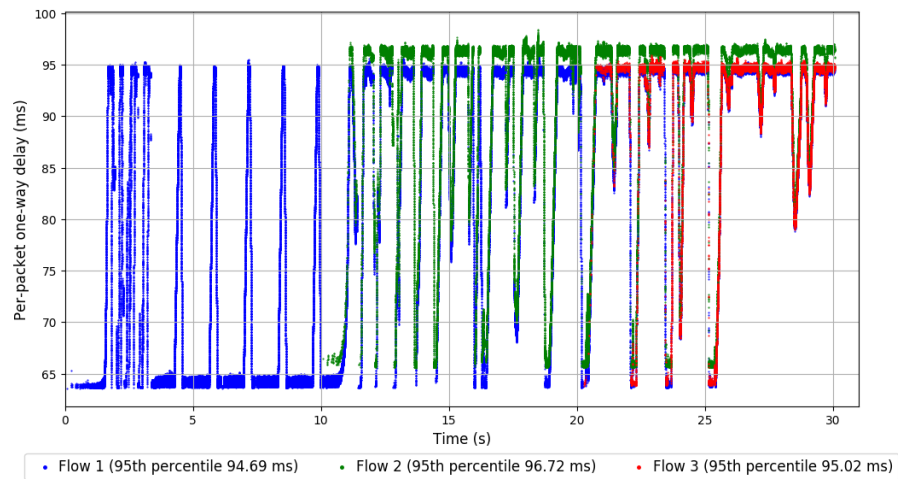
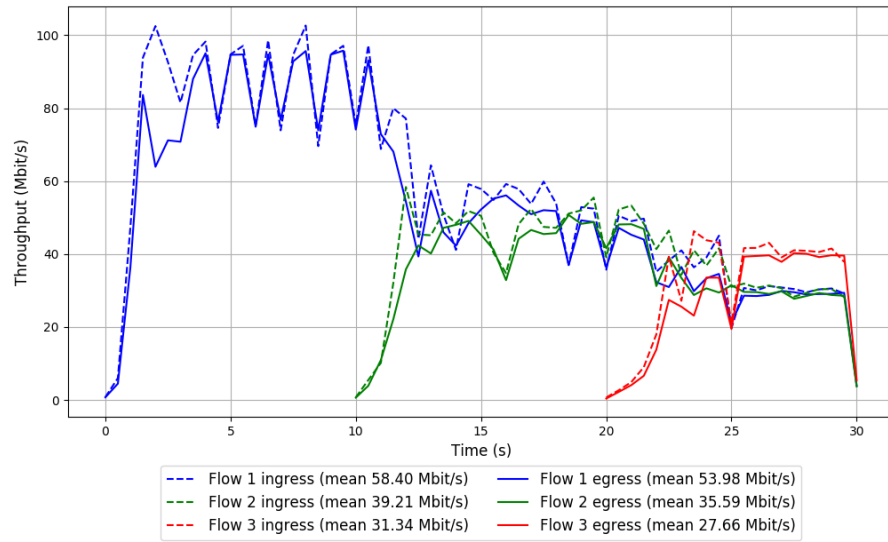


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 20:20:18
End at: 2018-02-13 20:20:48
Local clock offset: 11.093 ms
Remote clock offset: -4.829 ms

Below is generated by plot.py at 2018-02-13 21:48:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 96.544 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 94.686 ms
Loss rate: 7.48%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 96.724 ms
Loss rate: 9.09%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 95.016 ms
Loss rate: 11.73%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-13 20:43:54

End at: 2018-02-13 20:44:24

Local clock offset: -6.015 ms

Remote clock offset: 1.589 ms

Below is generated by plot.py at 2018-02-13 21:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 119.378 ms

Loss rate: 7.49%

-- Flow 1:

Average throughput: 53.00 Mbit/s

95th percentile per-packet one-way delay: 117.998 ms

Loss rate: 6.82%

-- Flow 2:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 119.568 ms

Loss rate: 9.45%

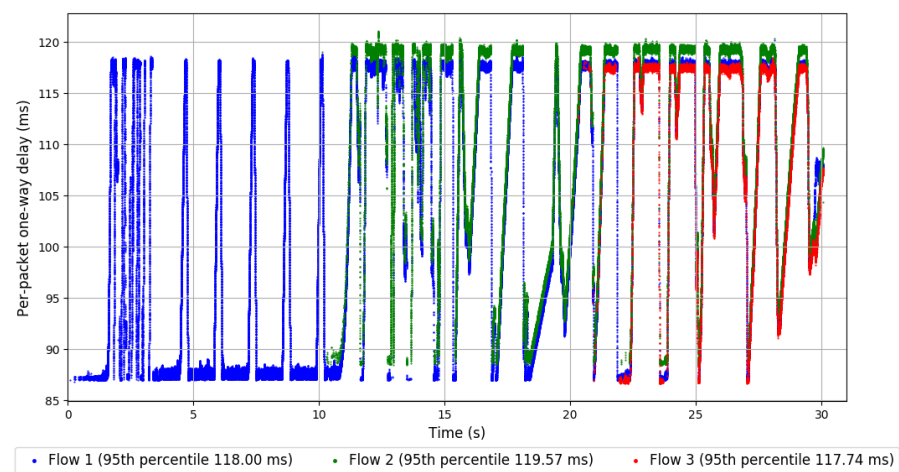
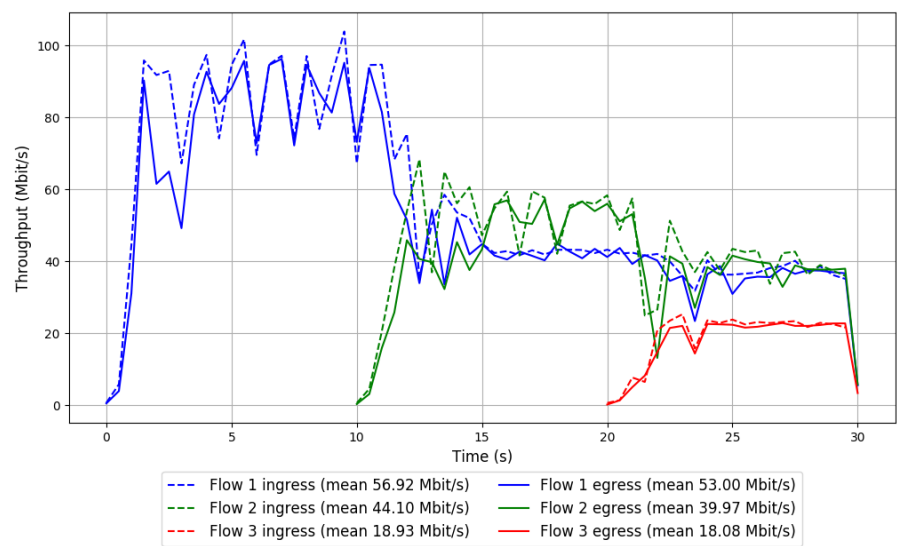
-- Flow 3:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 117.736 ms

Loss rate: 4.45%

Run 9: Report of TCP BBR — Data Link

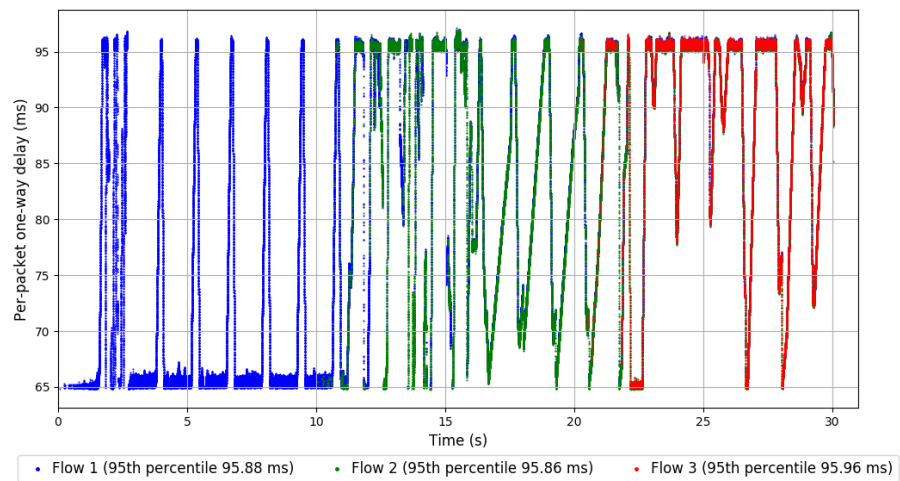
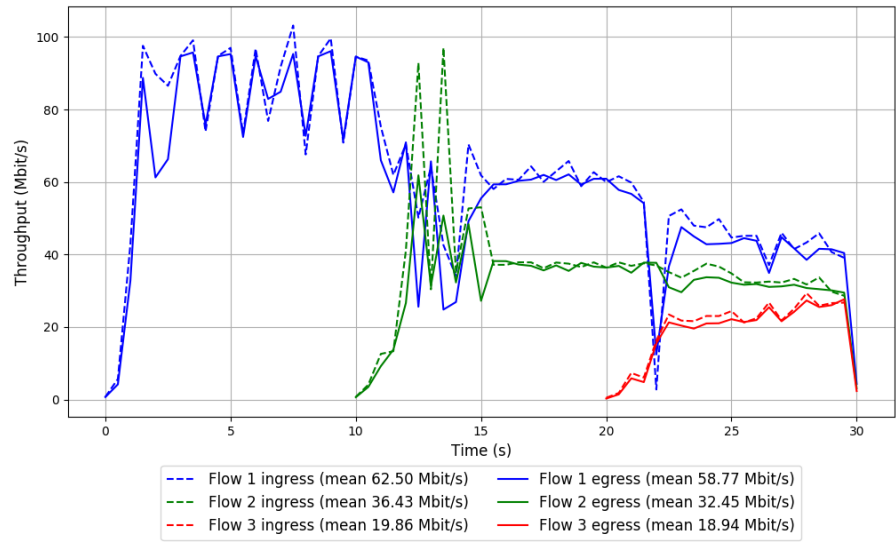


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 21:07:33
End at: 2018-02-13 21:08:03
Local clock offset: 12.485 ms
Remote clock offset: -3.345 ms

Below is generated by plot.py at 2018-02-13 21:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 95.887 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 95.882 ms
Loss rate: 5.89%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 95.864 ms
Loss rate: 10.83%
-- Flow 3:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 95.961 ms
Loss rate: 4.66%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 17:28:08

End at: 2018-02-13 17:28:38

Local clock offset: -7.042 ms

Remote clock offset: 0.992 ms

Below is generated by plot.py at 2018-02-13 21:49:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 116.412 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.17 Mbit/s

95th percentile per-packet one-way delay: 114.407 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 117.349 ms

Loss rate: 0.82%

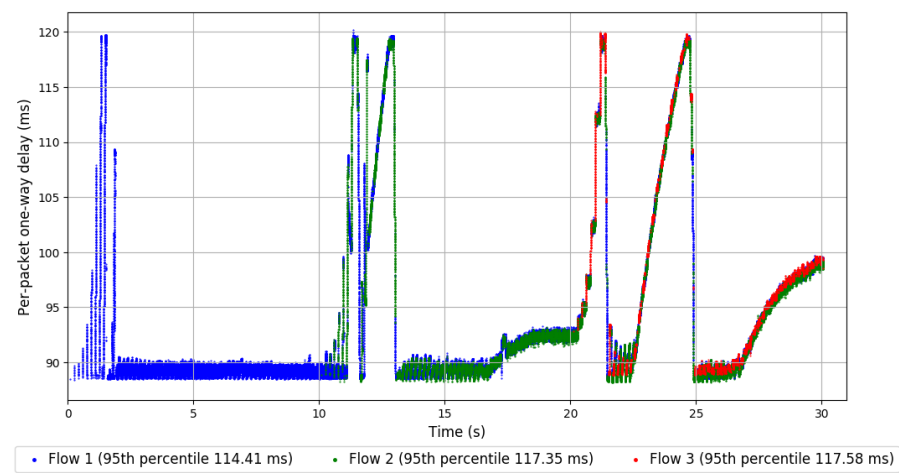
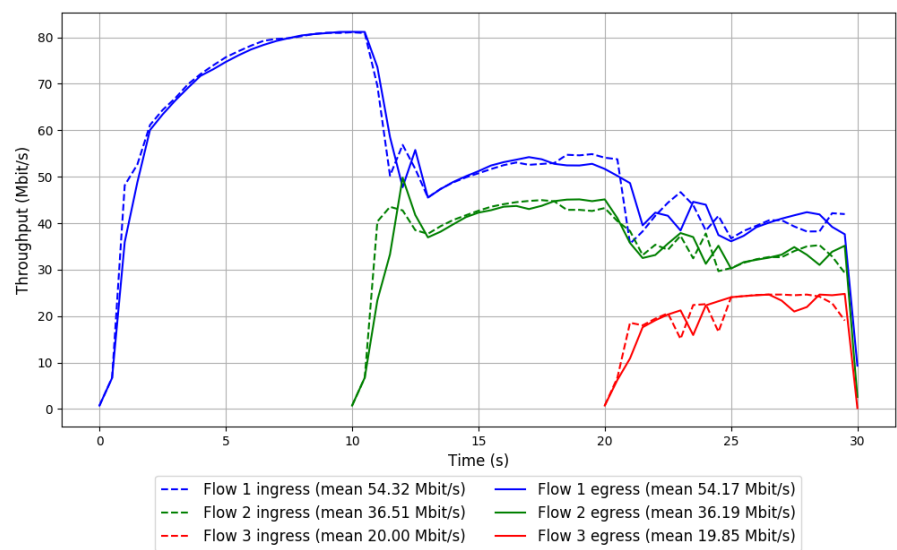
-- Flow 3:

Average throughput: 19.85 Mbit/s

95th percentile per-packet one-way delay: 117.582 ms

Loss rate: 0.67%

Run 1: Report of TCP Cubic — Data Link

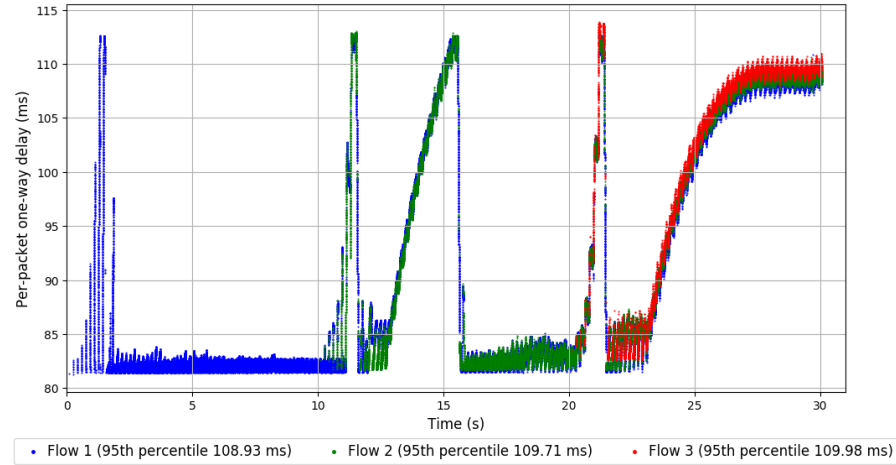
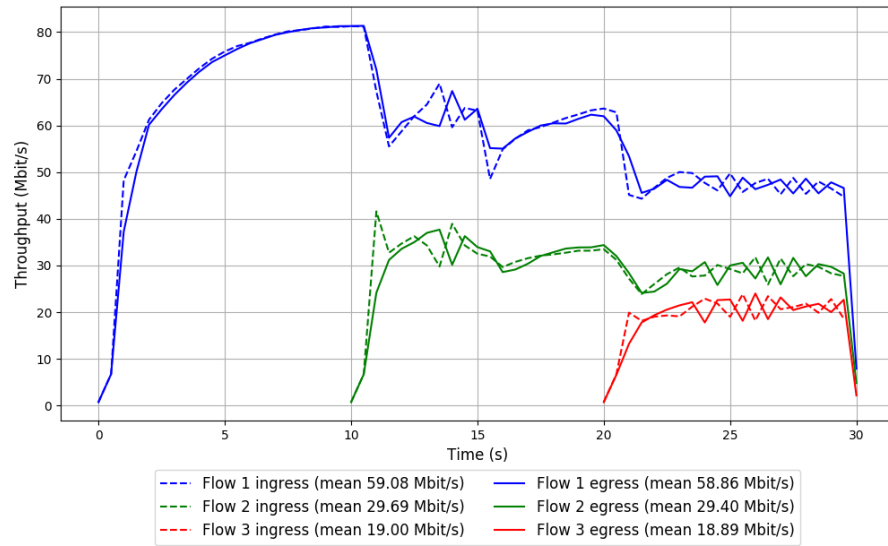


Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 17:51:49
End at: 2018-02-13 17:52:19
Local clock offset: -6.002 ms
Remote clock offset: -4.958 ms

Below is generated by plot.py at 2018-02-13 21:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 109.463 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 108.932 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 109.710 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 109.983 ms
Loss rate: 0.32%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 18:15:21

End at: 2018-02-13 18:15:52

Local clock offset: -3.184 ms

Remote clock offset: -4.26 ms

Below is generated by plot.py at 2018-02-13 21:49:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 111.221 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 26.21 Mbit/s

95th percentile per-packet one-way delay: 106.483 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 111.463 ms

Loss rate: 0.82%

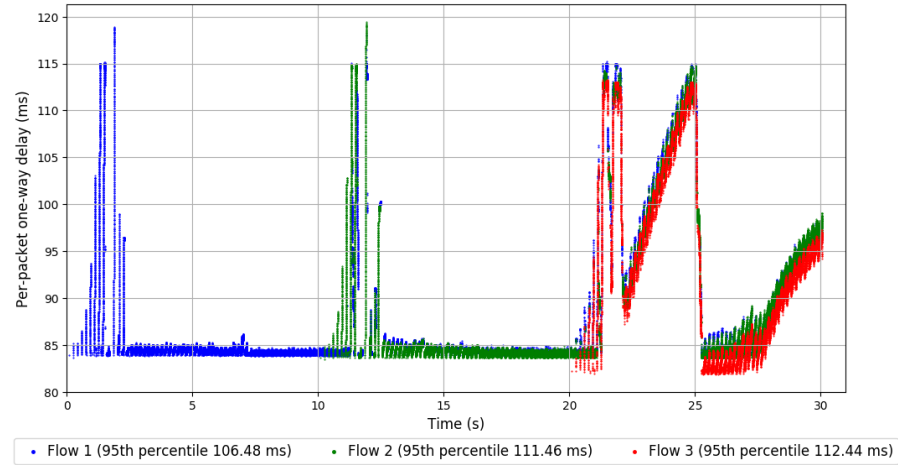
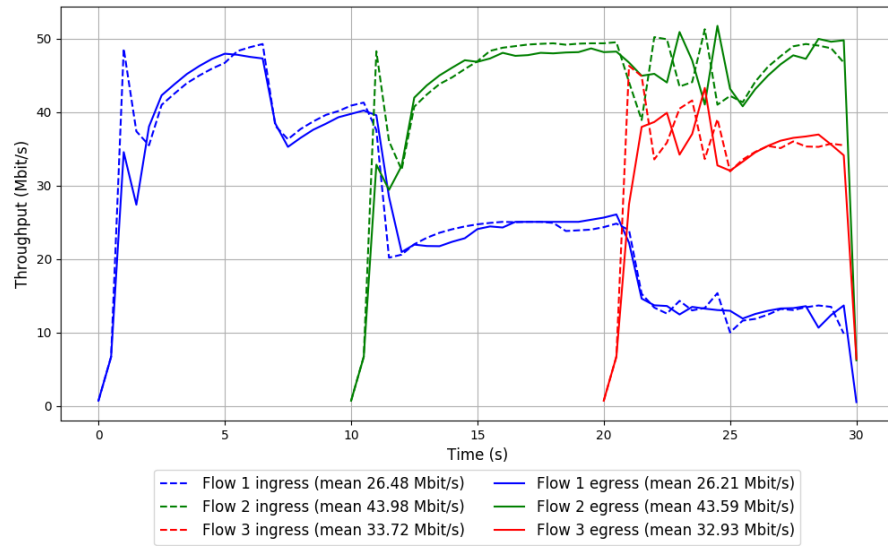
-- Flow 3:

Average throughput: 32.93 Mbit/s

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

Loss rate: 2.21%

Run 3: Report of TCP Cubic — Data Link

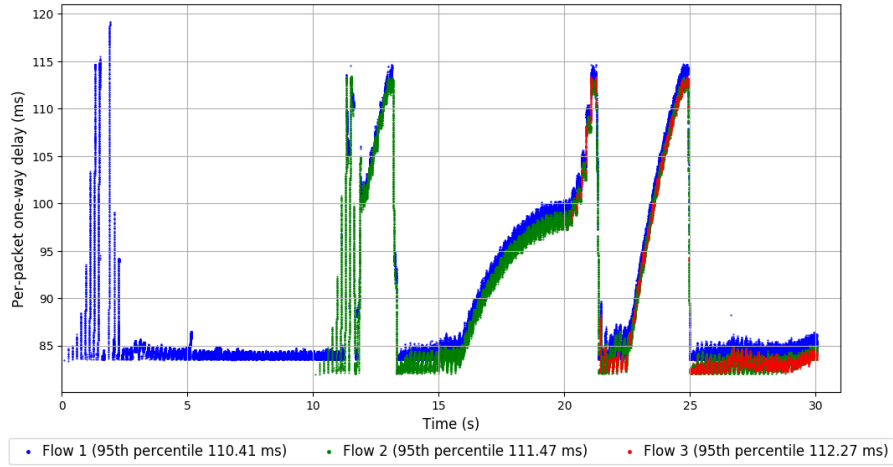
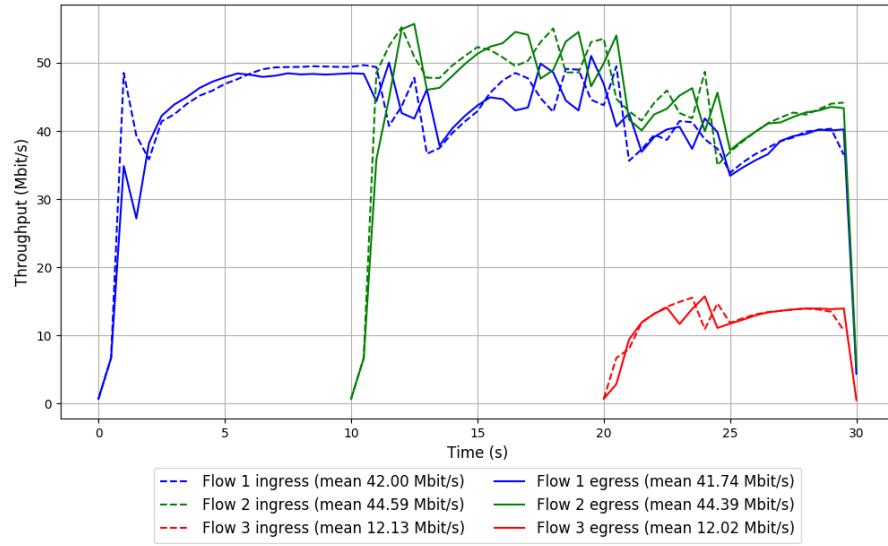


Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 18:38:58
End at: 2018-02-13 18:39:28
Local clock offset: -4.502 ms
Remote clock offset: -2.825 ms

Below is generated by plot.py at 2018-02-13 21:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 111.004 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 41.74 Mbit/s
95th percentile per-packet one-way delay: 110.409 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 111.475 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 112.268 ms
Loss rate: 1.05%

Run 4: Report of TCP Cubic — Data Link

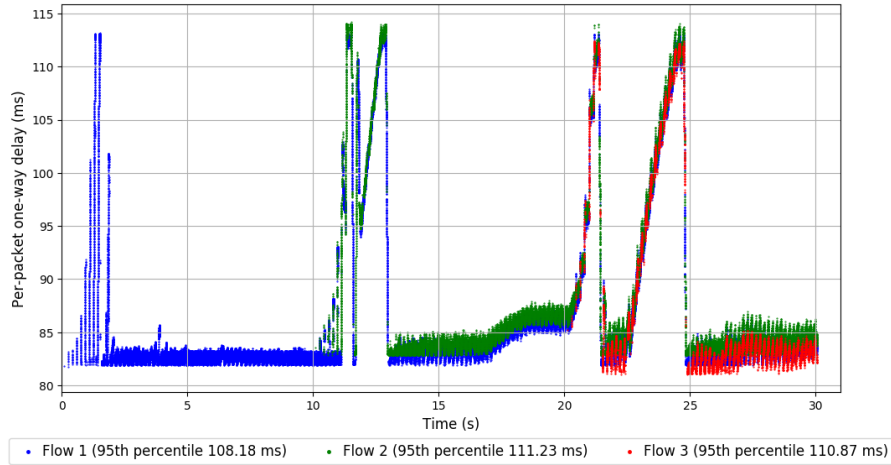
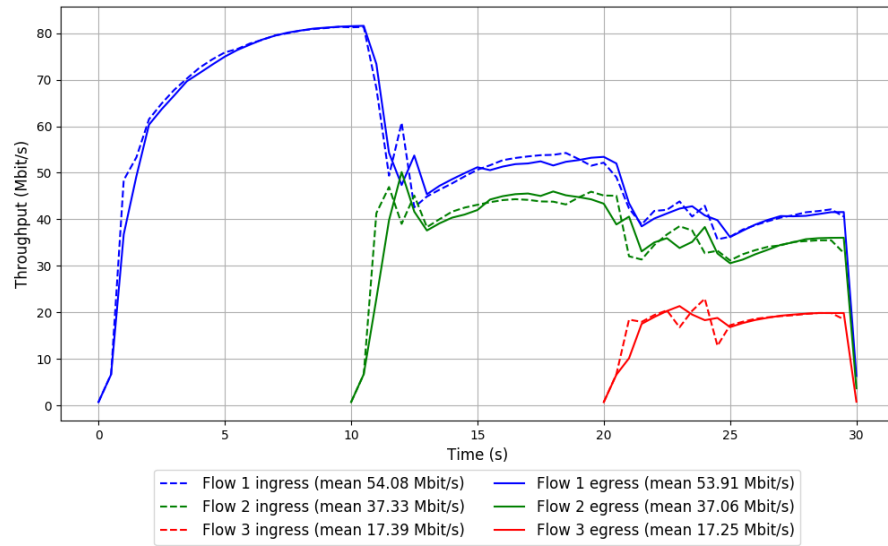


Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 19:02:43
End at: 2018-02-13 19:03:13
Local clock offset: -4.533 ms
Remote clock offset: -3.976 ms

Below is generated by plot.py at 2018-02-13 21:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 109.728 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 108.182 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 111.227 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 110.873 ms
Loss rate: 0.83%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 19:26:19

End at: 2018-02-13 19:26:49

Local clock offset: -4.02 ms

Remote clock offset: 3.046 ms

Below is generated by plot.py at 2018-02-13 21:49:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.40 Mbit/s

95th percentile per-packet one-way delay: 115.367 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 113.712 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 116.898 ms

Loss rate: 0.74%

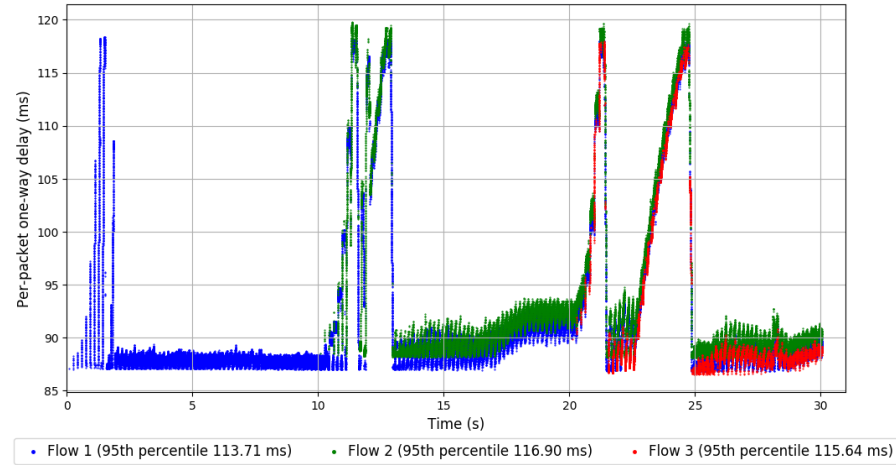
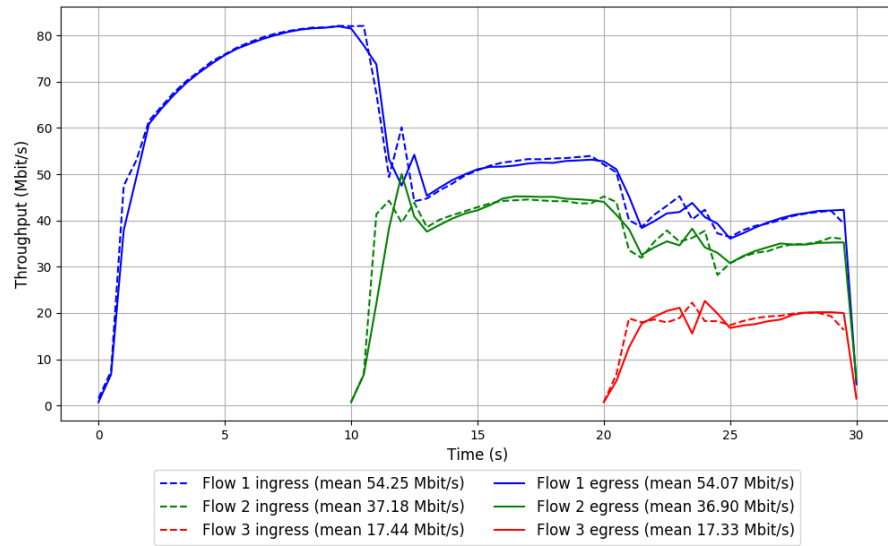
-- Flow 3:

Average throughput: 17.33 Mbit/s

95th percentile per-packet one-way delay: 115.645 ms

Loss rate: 0.63%

Run 6: Report of TCP Cubic — Data Link

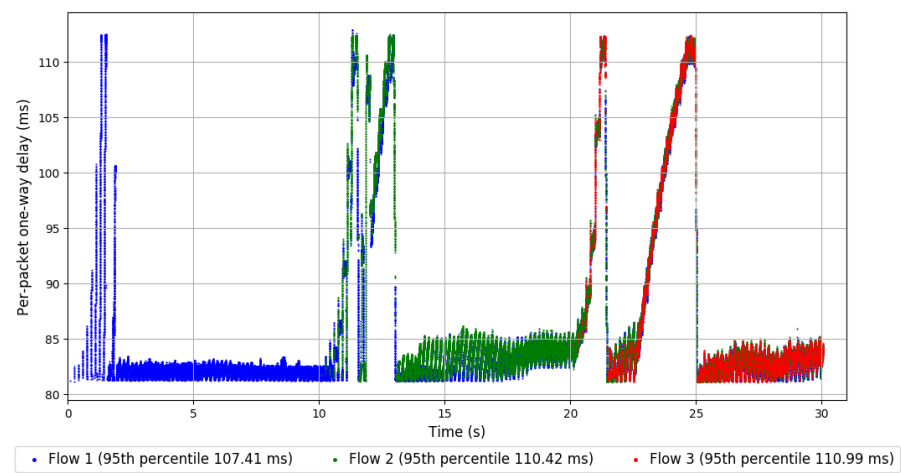
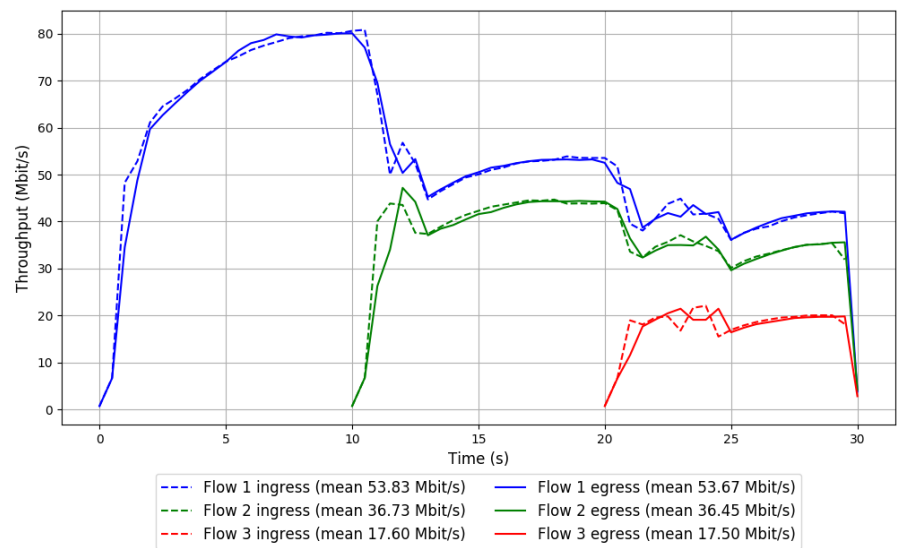


Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 19:50:10
End at: 2018-02-13 19:50:40
Local clock offset: -7.402 ms
Remote clock offset: 4.065 ms

Below is generated by plot.py at 2018-02-13 21:50:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 108.894 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: 107.406 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 110.419 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 110.992 ms
Loss rate: 0.60%

Run 7: Report of TCP Cubic — Data Link

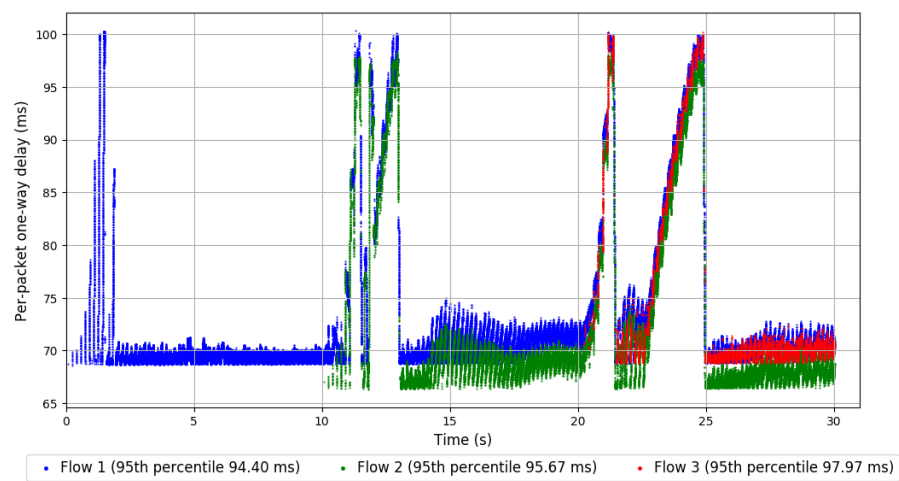
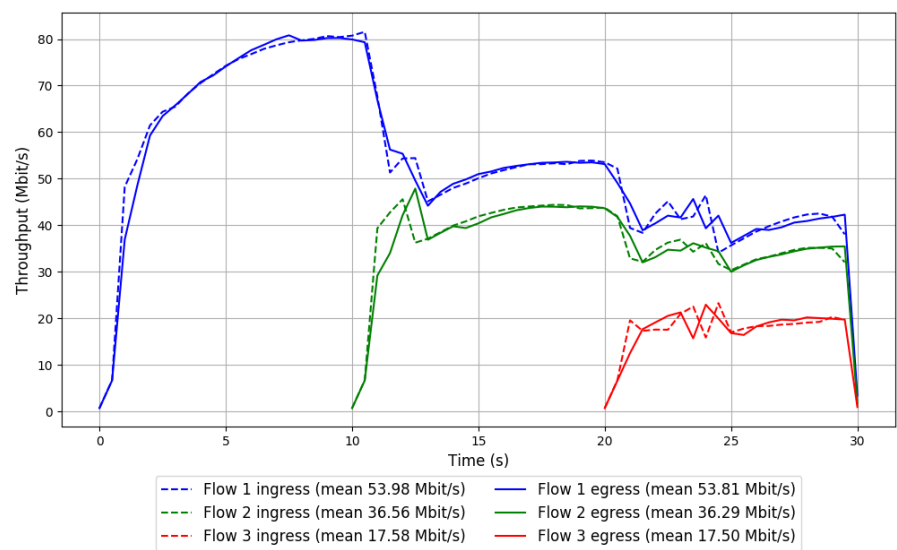


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 20:13:44
End at: 2018-02-13 20:14:14
Local clock offset: 12.183 ms
Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-02-13 21:50:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 95.431 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 94.400 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 95.671 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 97.968 ms
Loss rate: 0.43%

Run 8: Report of TCP Cubic — Data Link

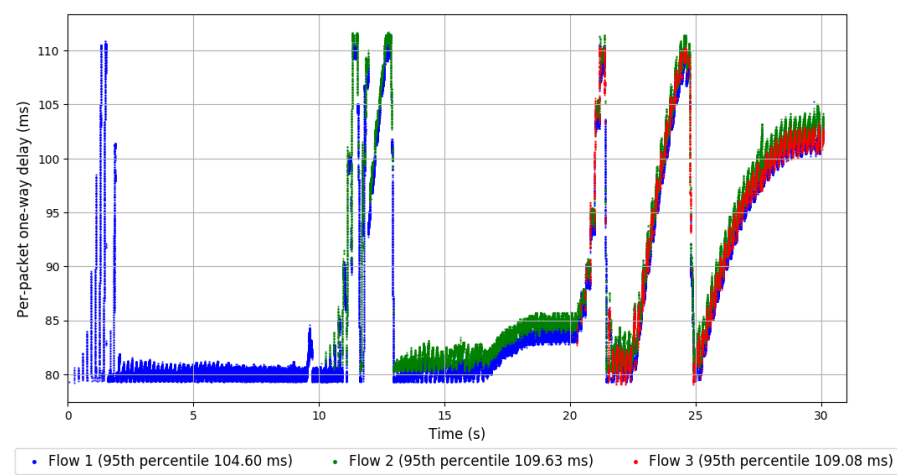
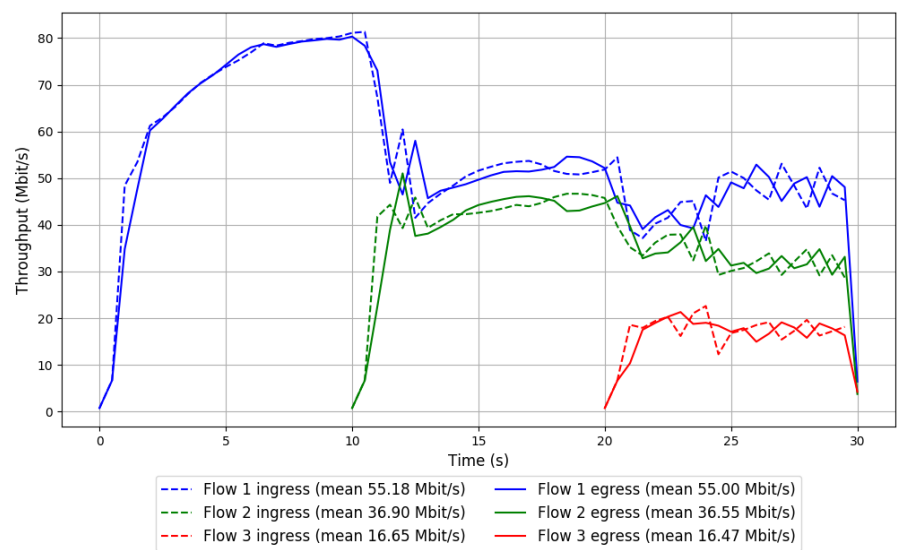


Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 20:37:23
End at: 2018-02-13 20:37:53
Local clock offset: -4.296 ms
Remote clock offset: -4.781 ms

Below is generated by plot.py at 2018-02-13 21:50:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 107.414 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 104.599 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 109.628 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 109.075 ms
Loss rate: 0.88%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 21:01:01

End at: 2018-02-13 21:01:31

Local clock offset: 14.151 ms

Remote clock offset: -3.18 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 90.641 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 89.608 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 91.265 ms

Loss rate: 0.71%

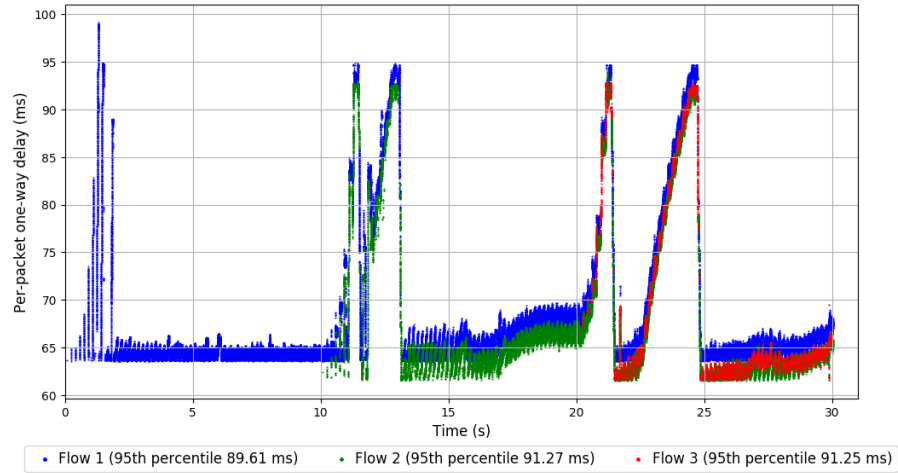
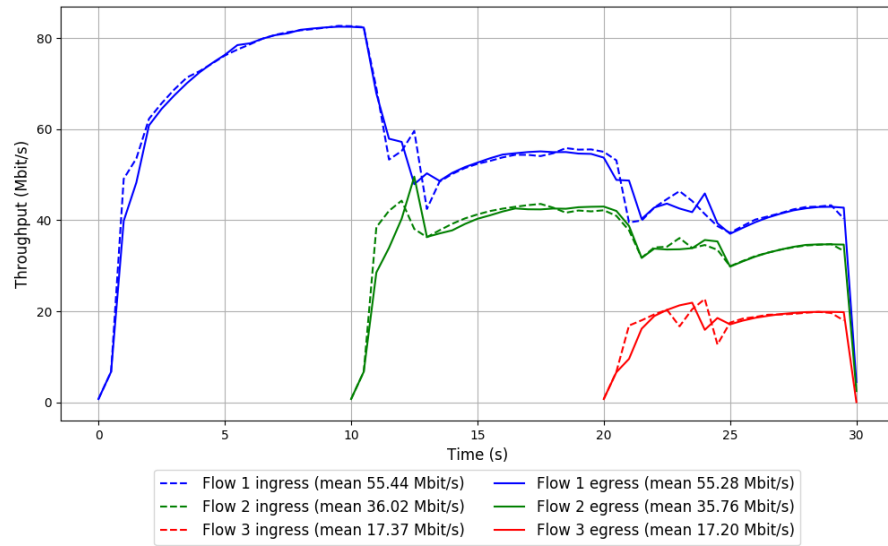
-- Flow 3:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 91.246 ms

Loss rate: 0.95%

Run 10: Report of TCP Cubic — Data Link

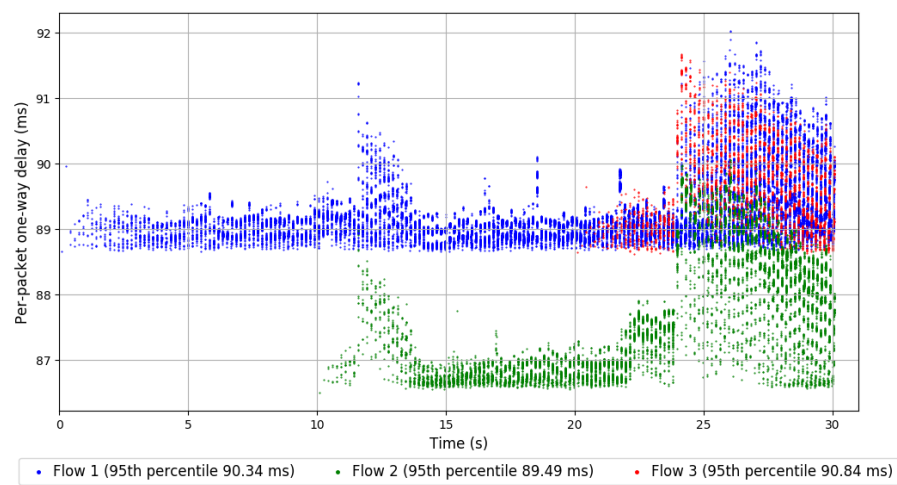
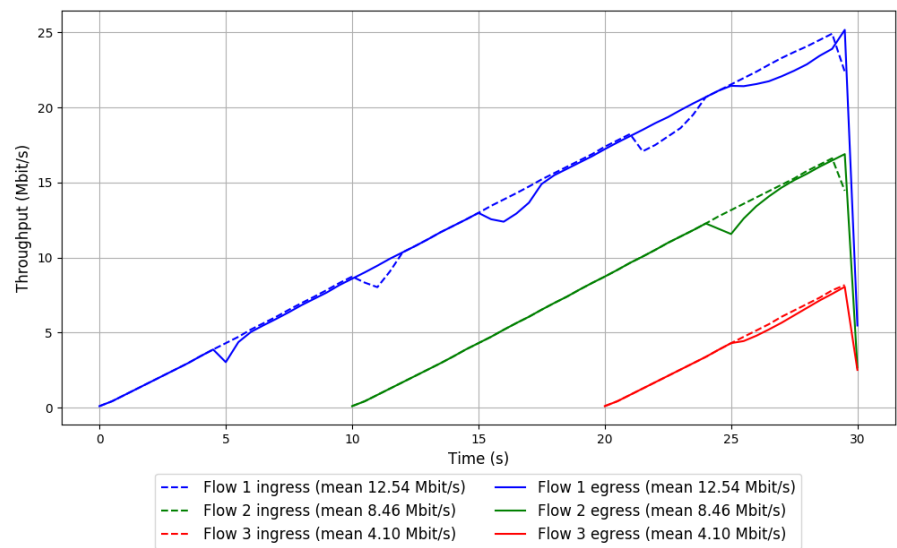


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-13 17:38:39
End at: 2018-02-13 17:39:09
Local clock offset: -6.611 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at 2018-02-13 21:50:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 90.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 90.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 89.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 90.843 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-13 18:02:17

End at: 2018-02-13 18:02:47

Local clock offset: -4.155 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 90.598 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.38 Mbit/s

95th percentile per-packet one-way delay: 90.029 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 91.149 ms

Loss rate: 0.00%

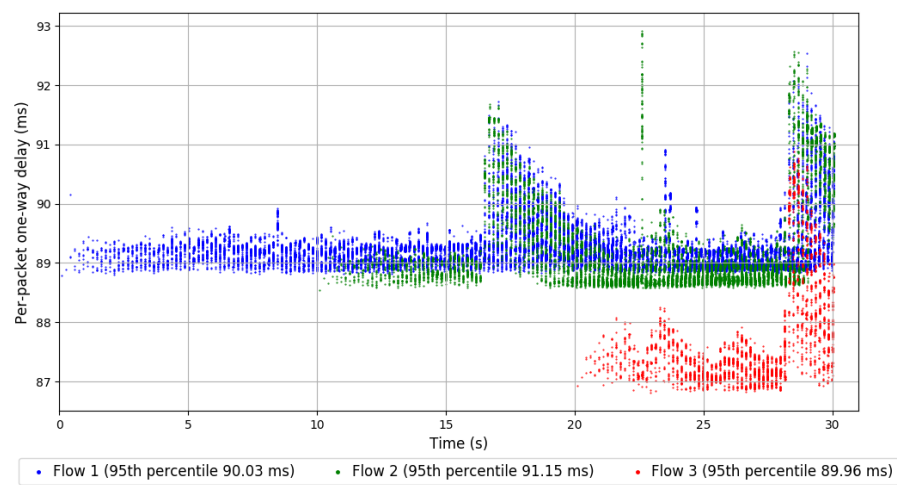
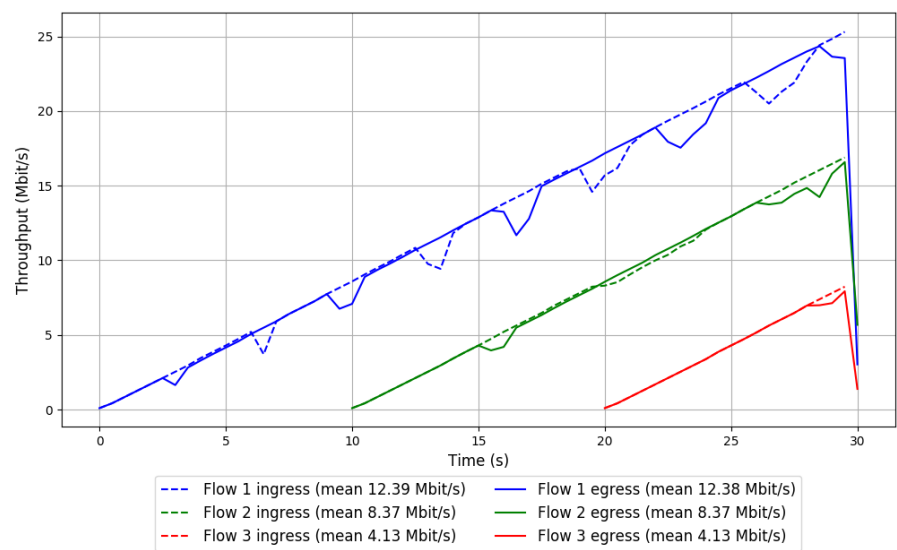
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 89.960 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

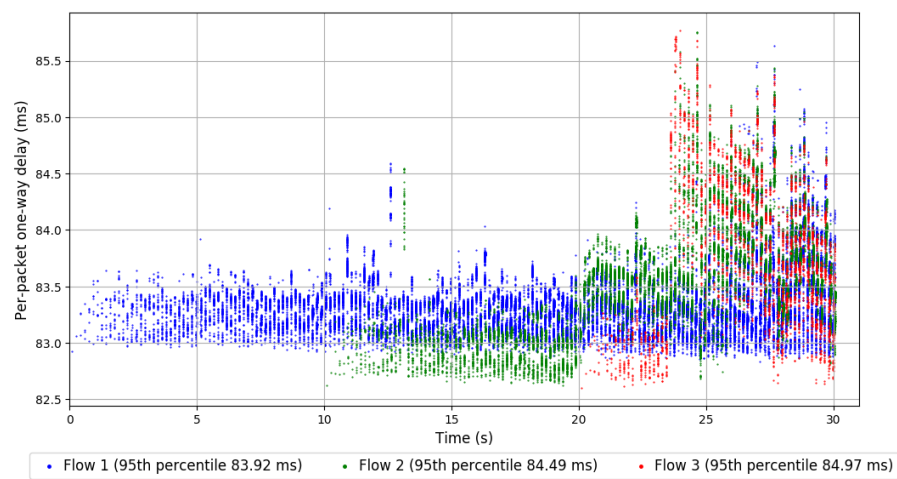
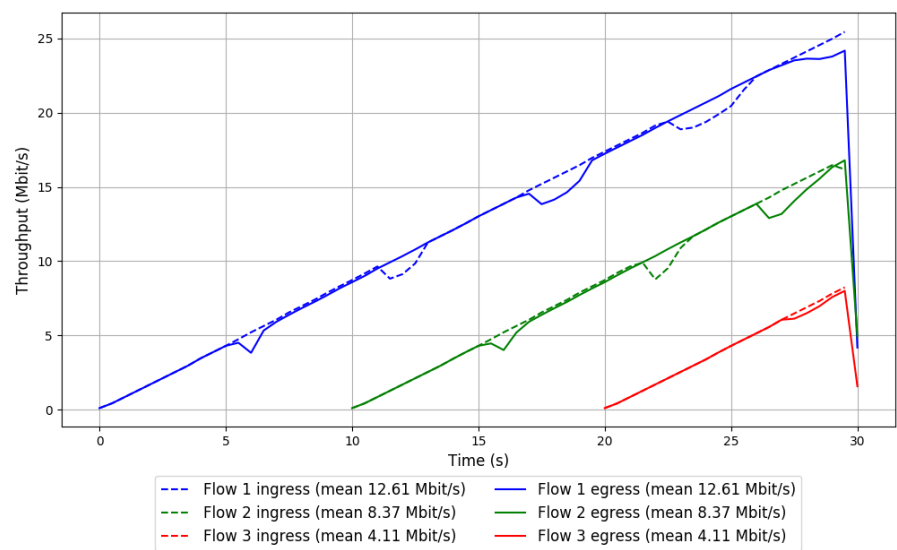


Run 3: Statistics of LEDBAT

Start at: 2018-02-13 18:25:52
End at: 2018-02-13 18:26:22
Local clock offset: -3.193 ms
Remote clock offset: -4.154 ms

Below is generated by plot.py at 2018-02-13 21:50:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 84.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 83.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 84.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 84.970 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-13 18:49:29

End at: 2018-02-13 18:49:59

Local clock offset: -4.699 ms

Remote clock offset: 2.16 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.33 Mbit/s

95th percentile per-packet one-way delay: 90.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.38 Mbit/s

95th percentile per-packet one-way delay: 89.904 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 90.773 ms

Loss rate: 0.00%

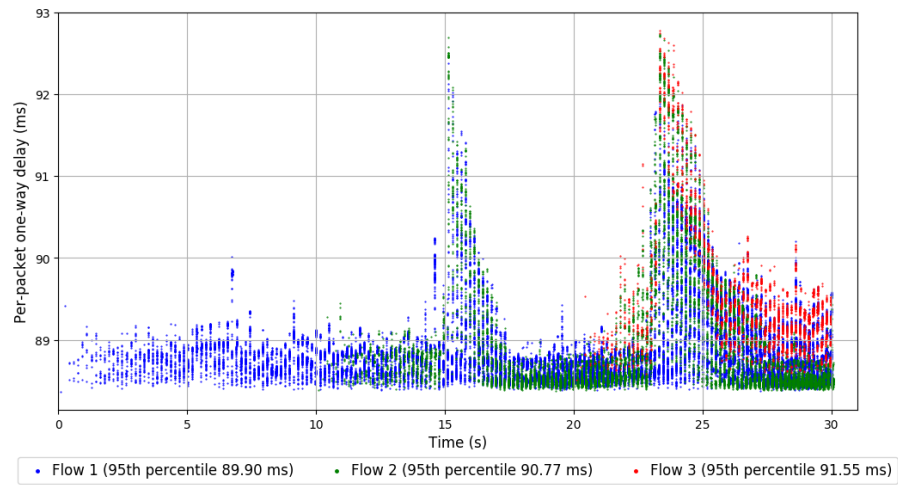
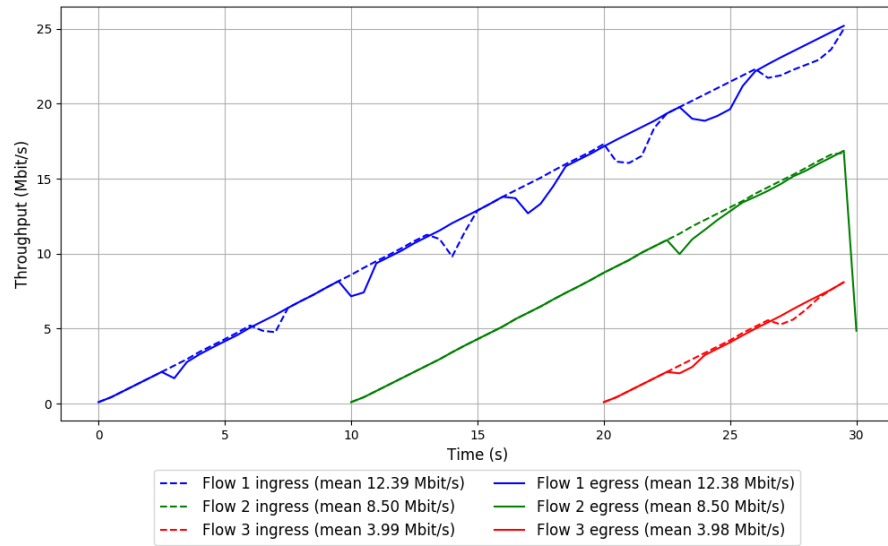
-- Flow 3:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 91.546 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

End at: 2018-02-13 19:13:43

Local clock offset: -4.306 ms

Remote clock offset: -3.38 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 85.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 85.121 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 86.087 ms

Loss rate: 0.00%

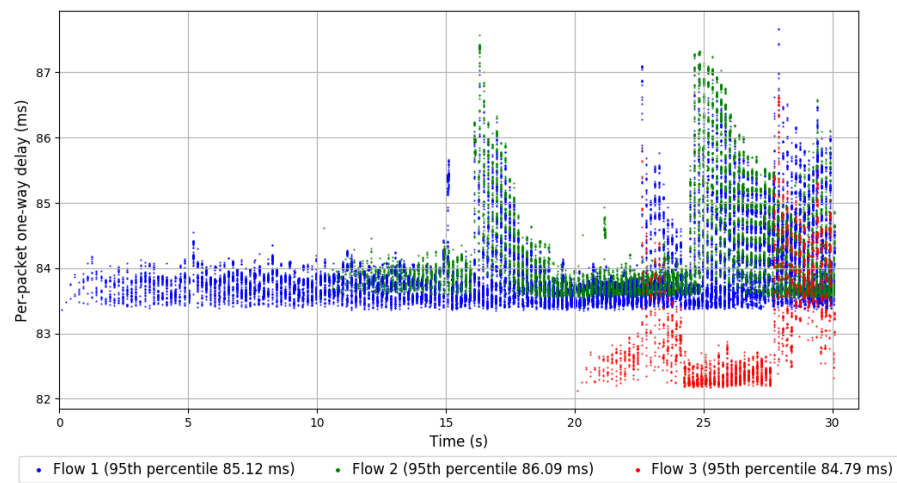
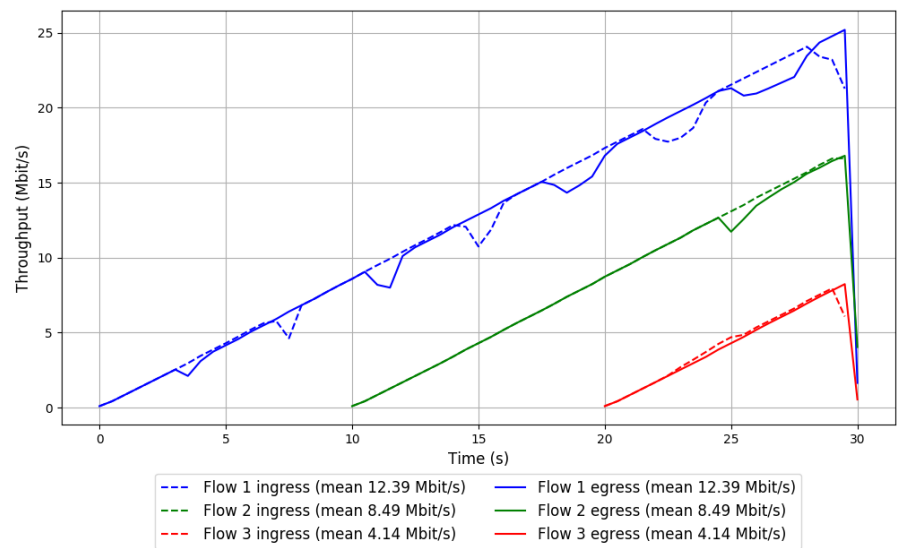
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 84.786 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-13 19:36:50

End at: 2018-02-13 19:37:20

Local clock offset: -5.296 ms

Remote clock offset: 8.143 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 89.007 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.91 Mbit/s

95th percentile per-packet one-way delay: 88.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 89.022 ms

Loss rate: 0.00%

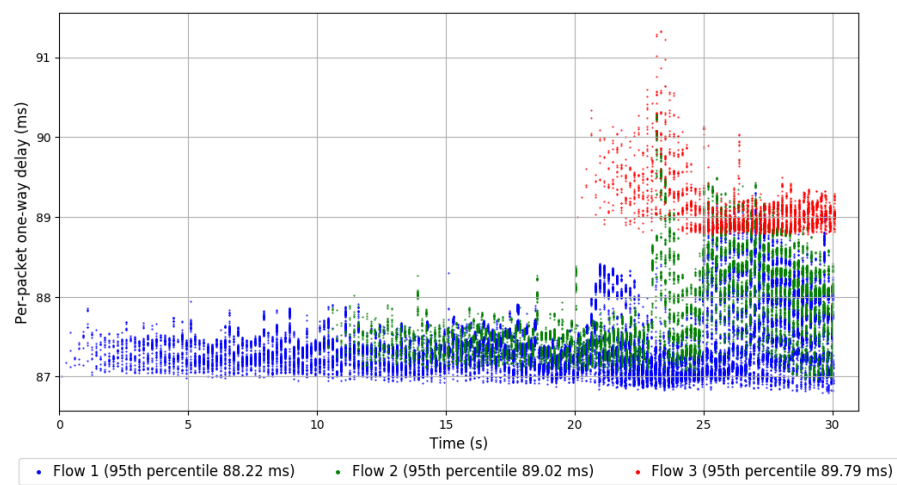
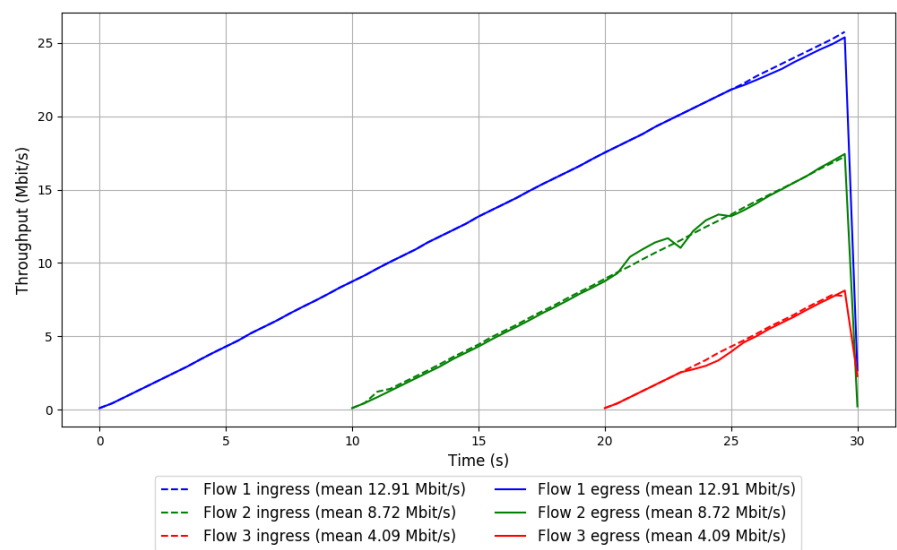
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 89.788 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-13 20:00:39

End at: 2018-02-13 20:01:09

Local clock offset: -6.4 ms

Remote clock offset: 8.208 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 88.149 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 87.307 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 88.657 ms

Loss rate: 0.00%

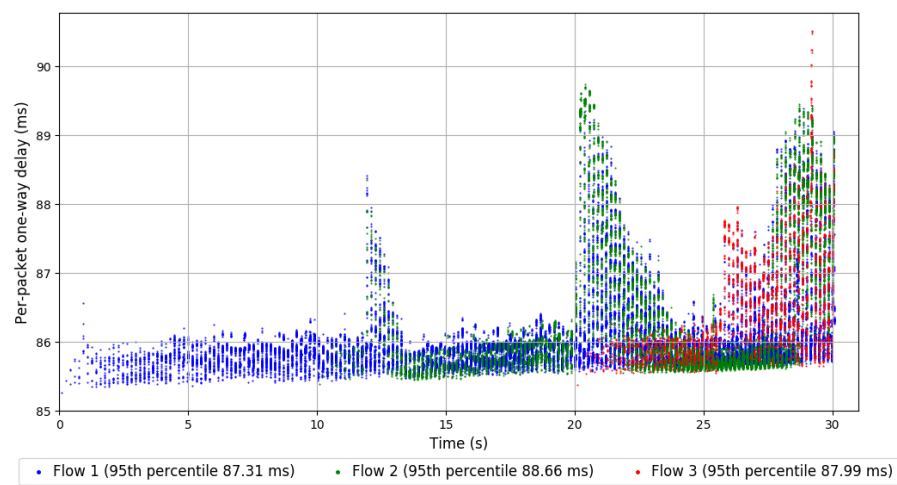
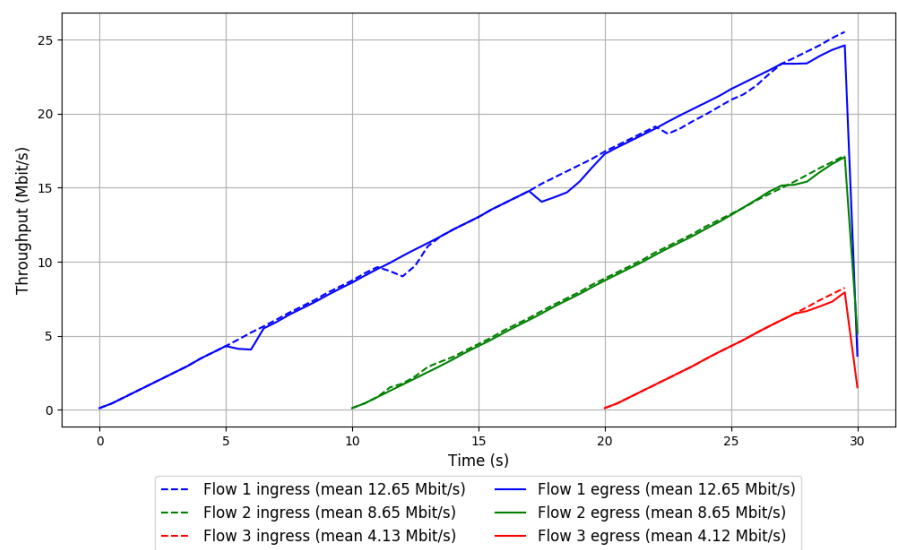
-- Flow 3:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 87.986 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

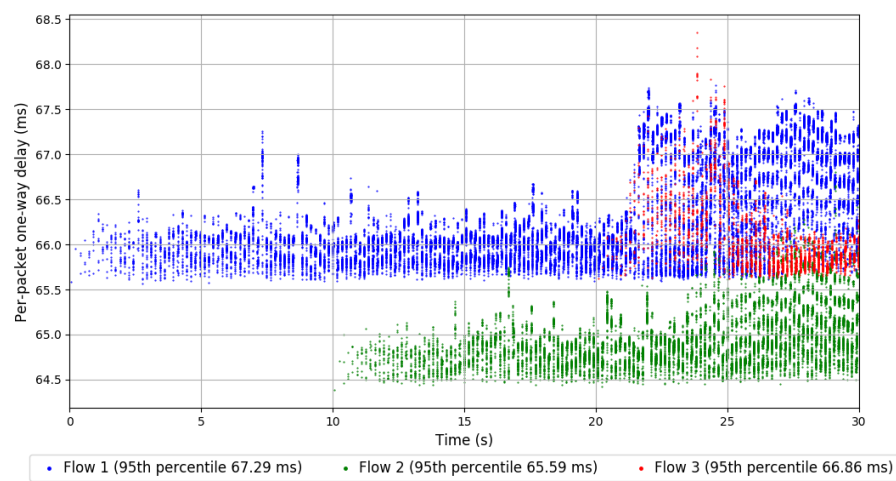
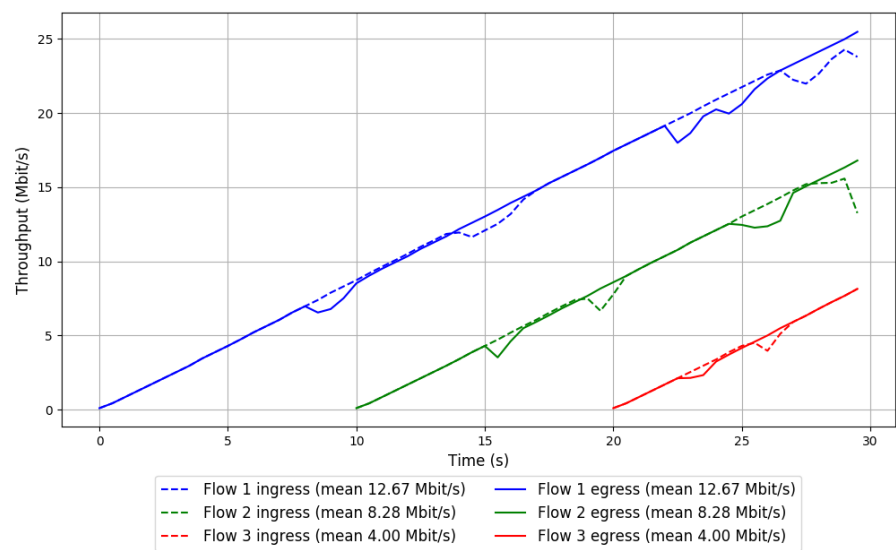


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 20:24:17
End at: 2018-02-13 20:24:47
Local clock offset: 11.436 ms
Remote clock offset: -4.482 ms

Below is generated by plot.py at 2018-02-13 21:50:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 67.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 67.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 65.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 66.856 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

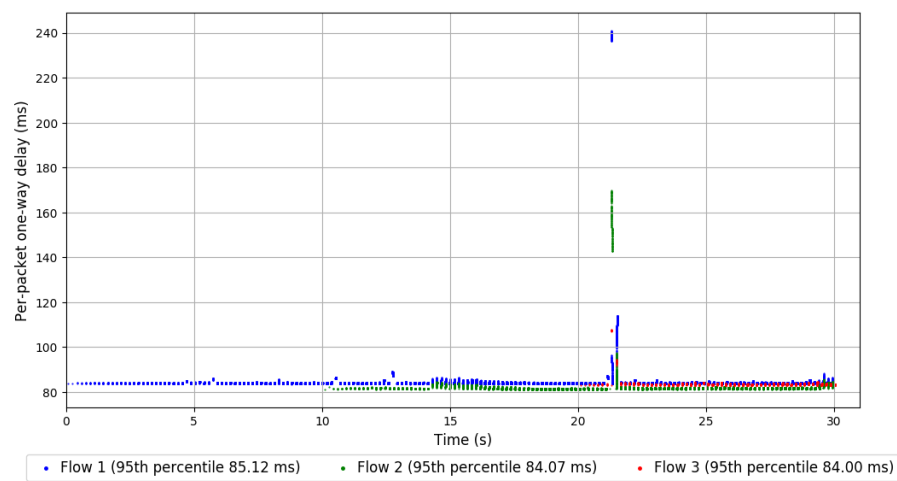
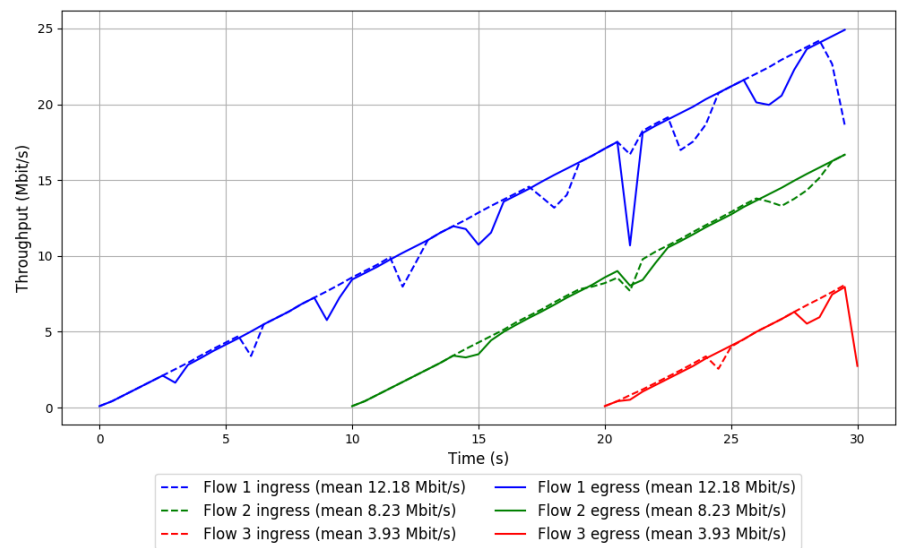


Run 9: Statistics of LEDBAT

Start at: 2018-02-13 20:47:52
End at: 2018-02-13 20:48:22
Local clock offset: -5.914 ms
Remote clock offset: -3.731 ms

Below is generated by plot.py at 2018-02-13 21:50:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 84.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 85.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 84.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 84.001 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-13 21:11:32

End at: 2018-02-13 21:12:02

Local clock offset: 12.34 ms

Remote clock offset: 2.624 ms

Below is generated by plot.py at 2018-02-13 21:50:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 72.956 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 72.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 73.534 ms

Loss rate: 0.00%

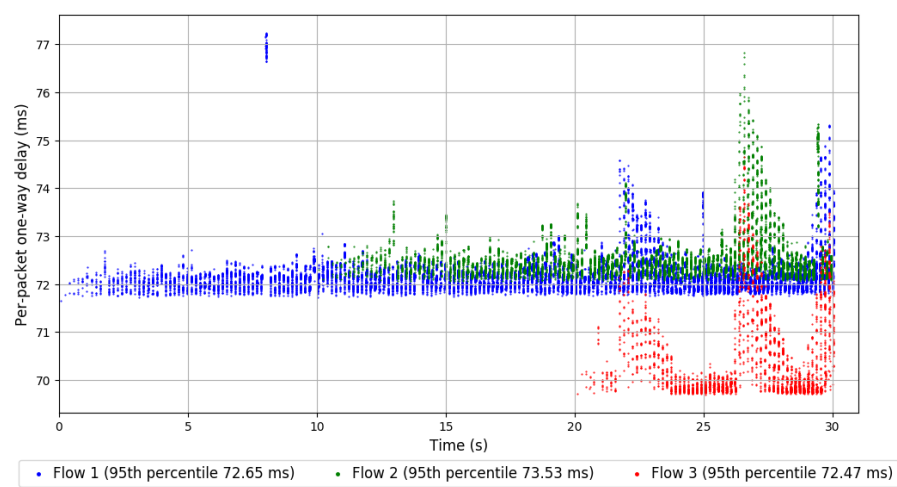
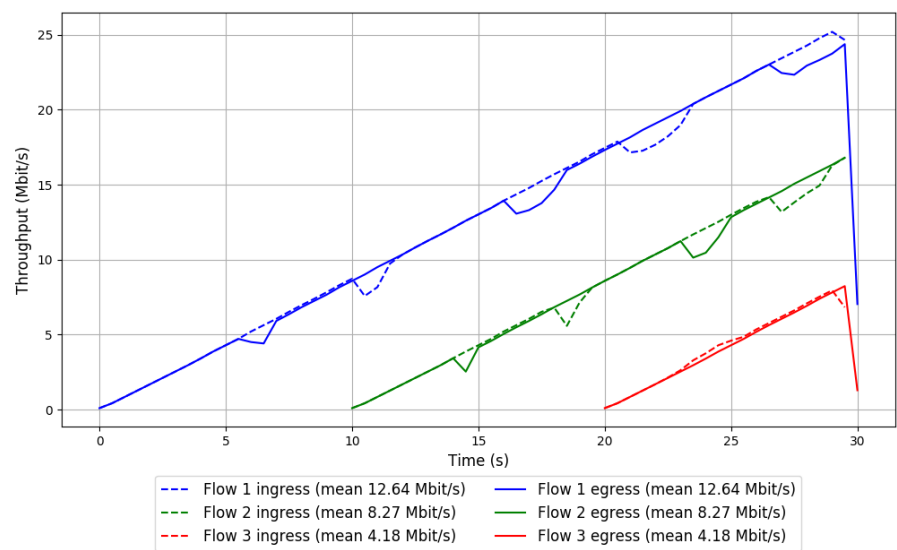
-- Flow 3:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 72.472 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-13 17:47:50

End at: 2018-02-13 17:48:20

Local clock offset: -6.456 ms

Remote clock offset: 0.751 ms

Below is generated by plot.py at 2018-02-13 21:51:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 119.304 ms

Loss rate: 4.92%

-- Flow 1:

Average throughput: 76.92 Mbit/s

95th percentile per-packet one-way delay: 119.201 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 119.787 ms

Loss rate: 11.47%

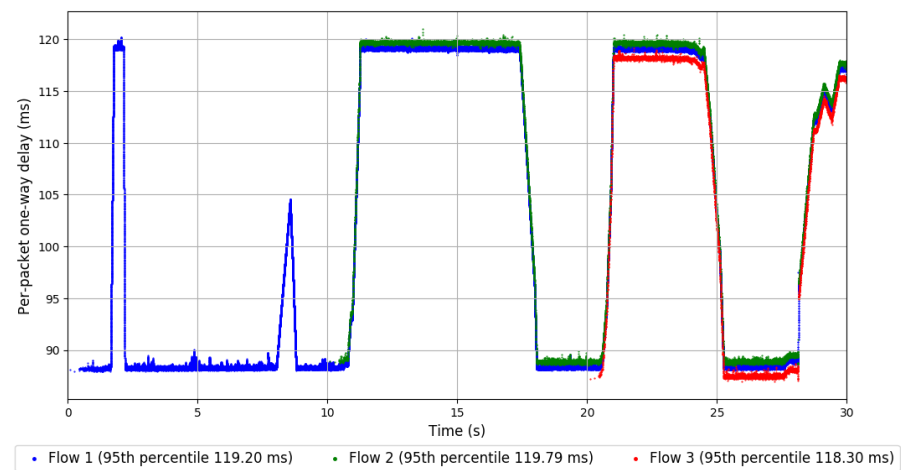
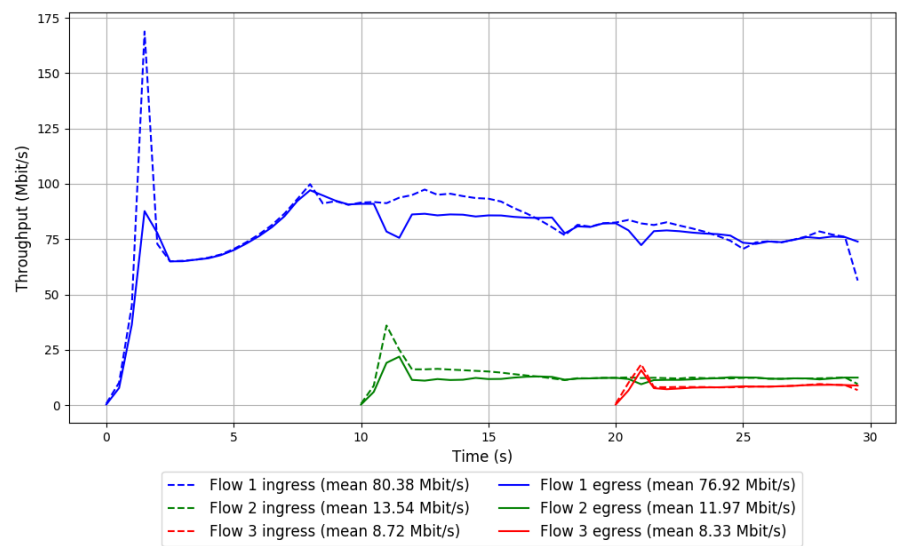
-- Flow 3:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 118.297 ms

Loss rate: 4.13%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-13 18:11:25

End at: 2018-02-13 18:11:55

Local clock offset: -3.469 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-02-13 21:51:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 120.066 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 120.074 ms

Loss rate: 2.07%

-- Flow 2:

Average throughput: 8.90 Mbit/s

95th percentile per-packet one-way delay: 119.498 ms

Loss rate: 2.56%

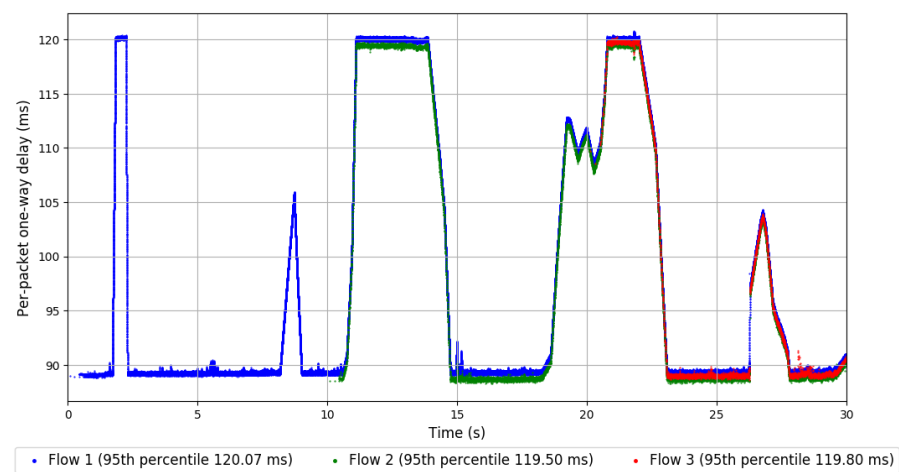
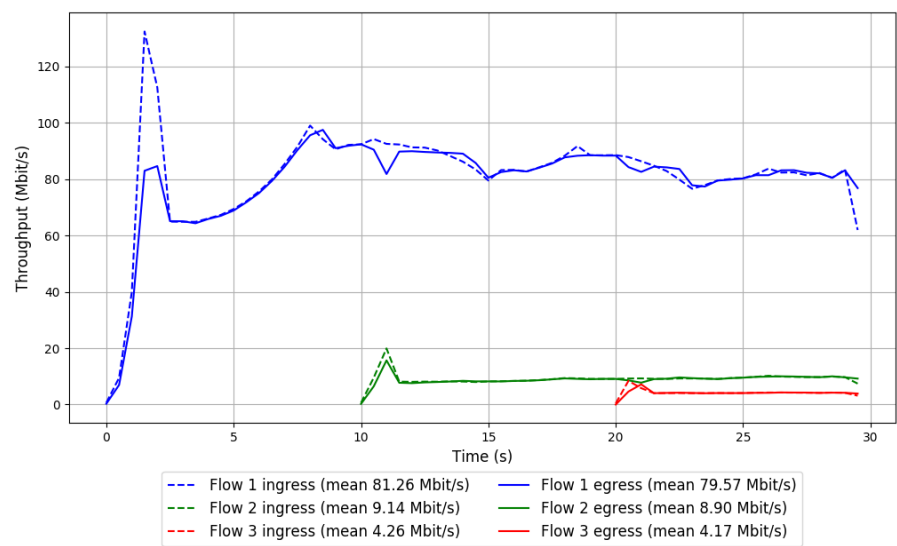
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 119.801 ms

Loss rate: 2.28%

Run 2: Report of PCC — Data Link

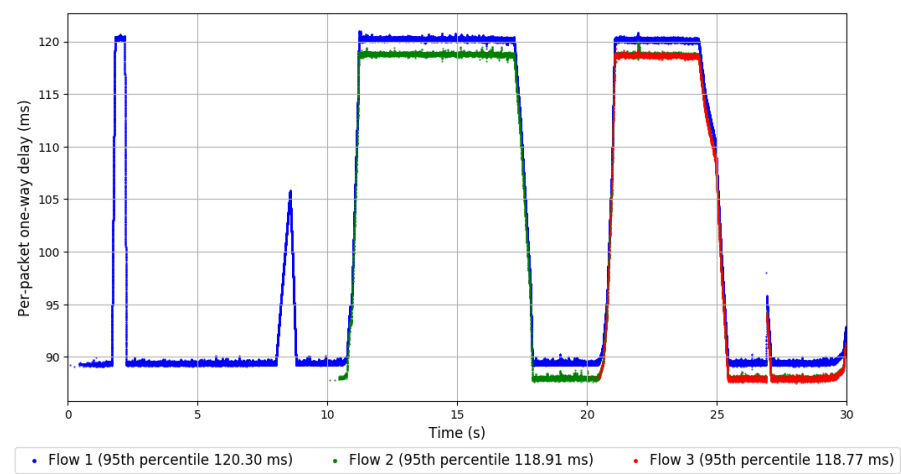
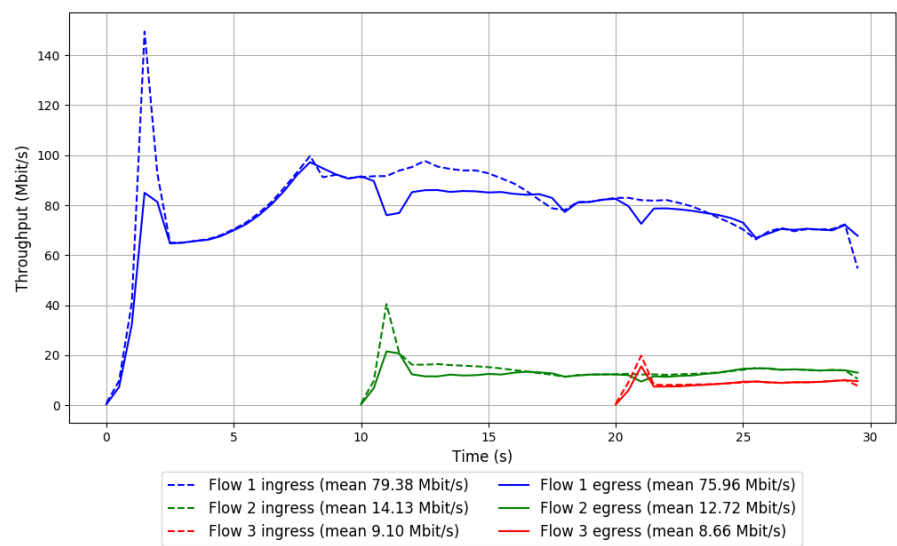


Run 3: Statistics of PCC

Start at: 2018-02-13 18:35:02
End at: 2018-02-13 18:35:32
Local clock offset: -4.297 ms
Remote clock offset: 2.727 ms

Below is generated by plot.py at 2018-02-13 21:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 120.294 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 75.96 Mbit/s
95th percentile per-packet one-way delay: 120.304 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 118.907 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 118.771 ms
Loss rate: 4.77%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-13 18:58:36

End at: 2018-02-13 18:59:06

Local clock offset: -4.742 ms

Remote clock offset: 2.531 ms

Below is generated by plot.py at 2018-02-13 21:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 118.719 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 78.49 Mbit/s

95th percentile per-packet one-way delay: 118.645 ms

Loss rate: 2.49%

-- Flow 2:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 120.680 ms

Loss rate: 3.58%

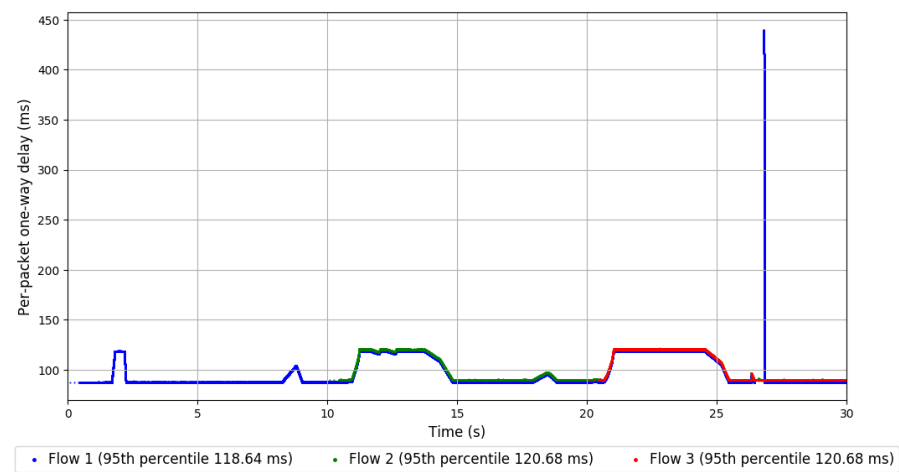
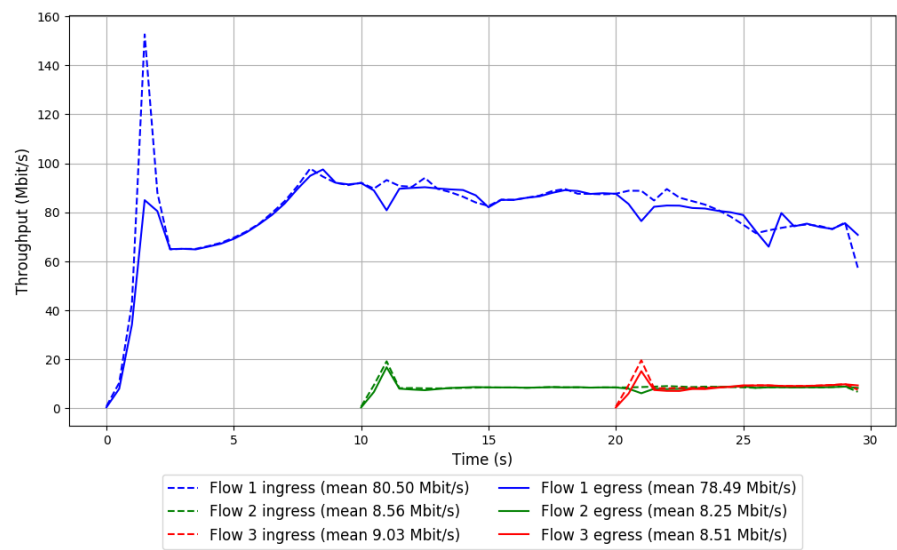
-- Flow 3:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 120.679 ms

Loss rate: 5.76%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-13 19:22:21

End at: 2018-02-13 19:22:51

Local clock offset: -4.085 ms

Remote clock offset: 1.58 ms

Below is generated by plot.py at 2018-02-13 21:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 117.938 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 76.89 Mbit/s

95th percentile per-packet one-way delay: 117.825 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 9.50 Mbit/s

95th percentile per-packet one-way delay: 119.926 ms

Loss rate: 3.80%

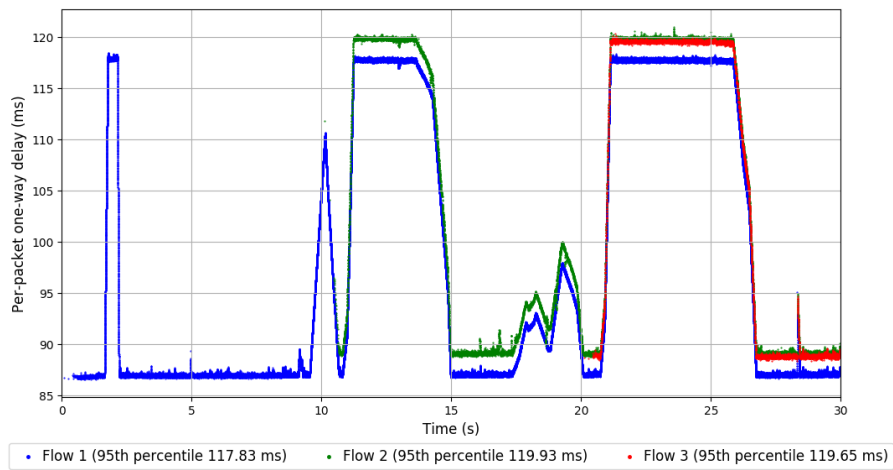
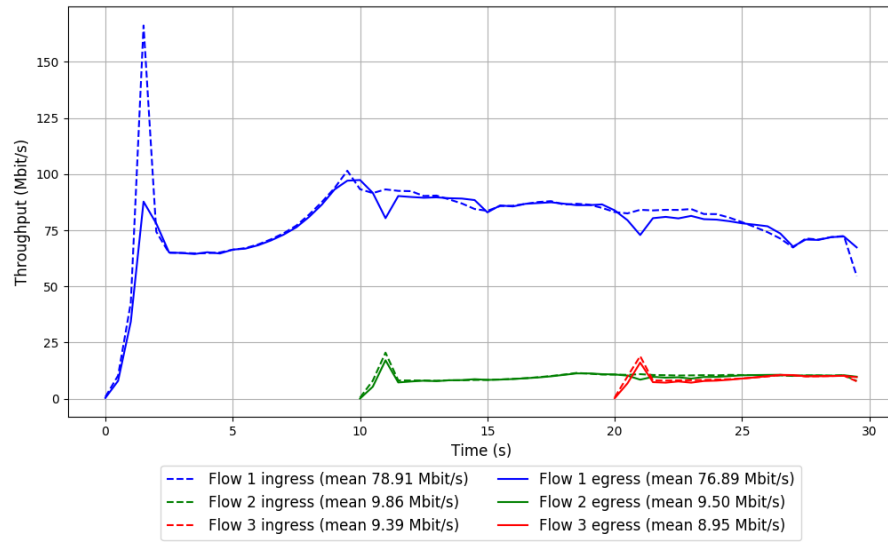
-- Flow 3:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 119.651 ms

Loss rate: 4.66%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-13 19:46:01

End at: 2018-02-13 19:46:31

Local clock offset: -6.936 ms

Remote clock offset: 3.392 ms

Below is generated by plot.py at 2018-02-13 21:51:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 113.892 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 113.901 ms

Loss rate: 2.54%

-- Flow 2:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 113.317 ms

Loss rate: 3.82%

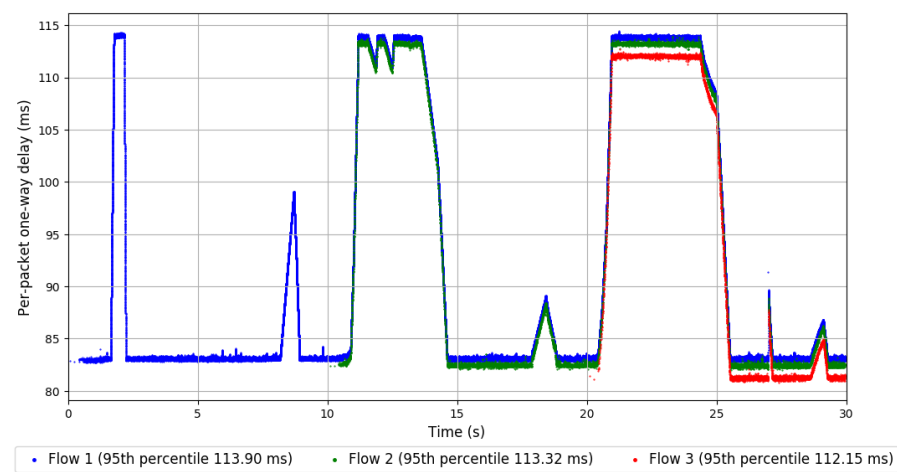
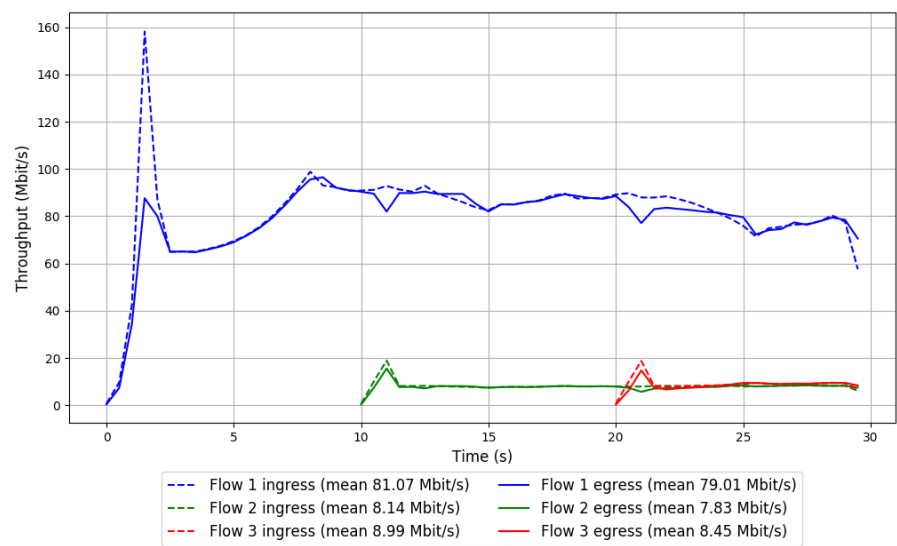
-- Flow 3:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 112.149 ms

Loss rate: 5.94%

Run 6: Report of PCC — Data Link

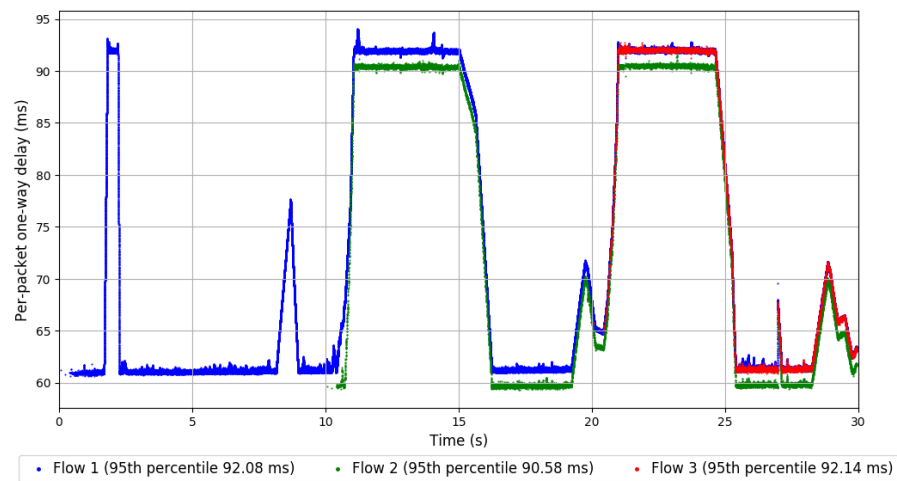
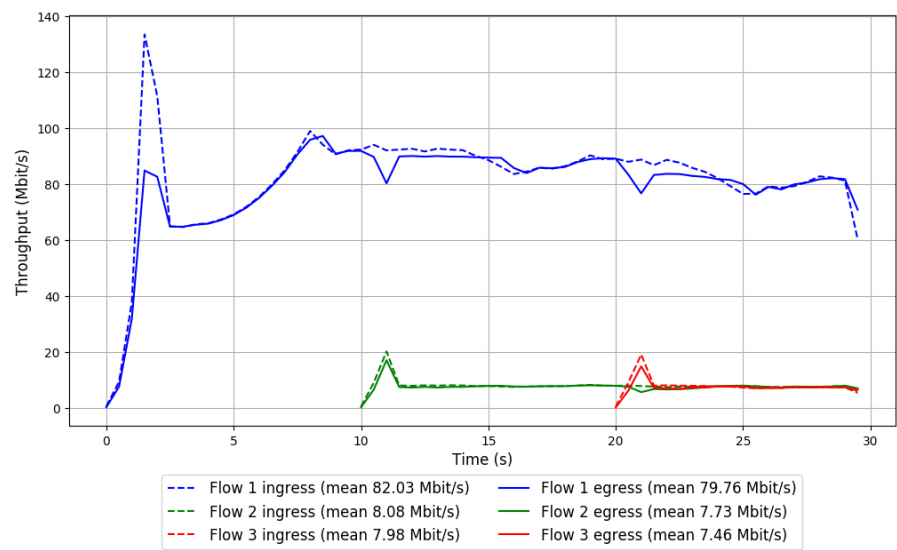


Run 7: Statistics of PCC

Start at: 2018-02-13 20:09:47
End at: 2018-02-13 20:10:17
Local clock offset: 14.52 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2018-02-13 21:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 92.074 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 92.077 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 90.578 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 92.142 ms
Loss rate: 6.48%

Run 7: Report of PCC — Data Link

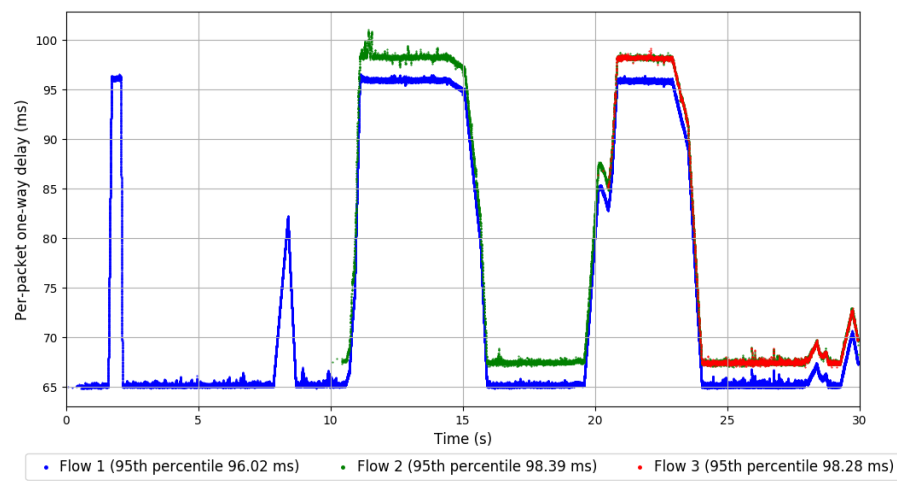
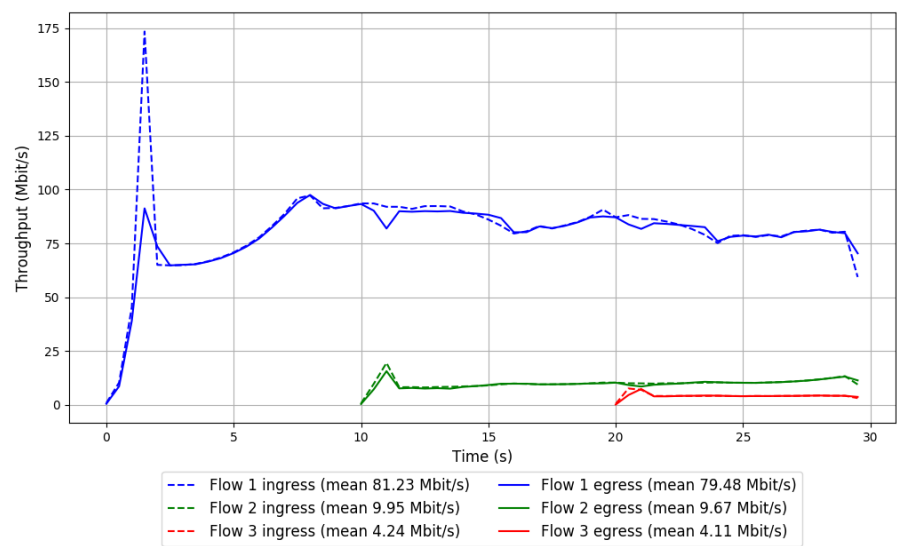


Run 8: Statistics of PCC

Start at: 2018-02-13 20:33:27
End at: 2018-02-13 20:33:57
Local clock offset: 14.032 ms
Remote clock offset: -0.837 ms

Below is generated by plot.py at 2018-02-13 21:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 96.073 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 96.021 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 98.386 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 98.285 ms
Loss rate: 3.10%

Run 8: Report of PCC — Data Link

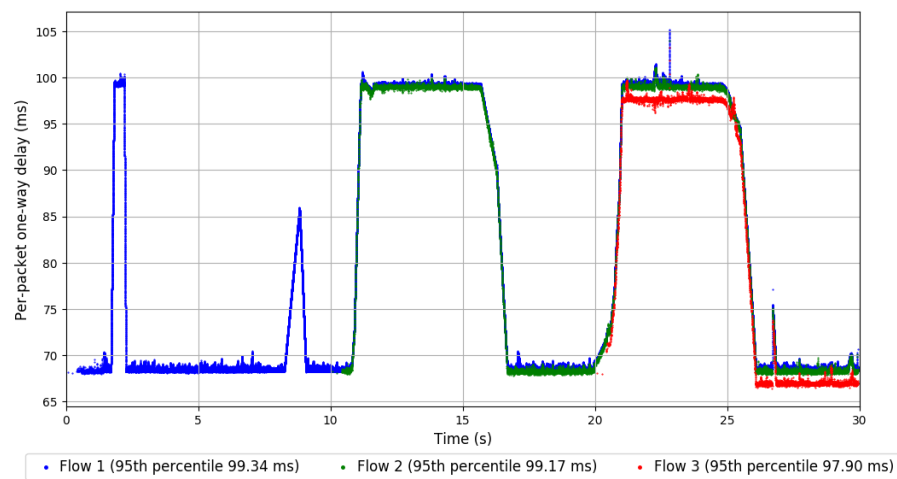
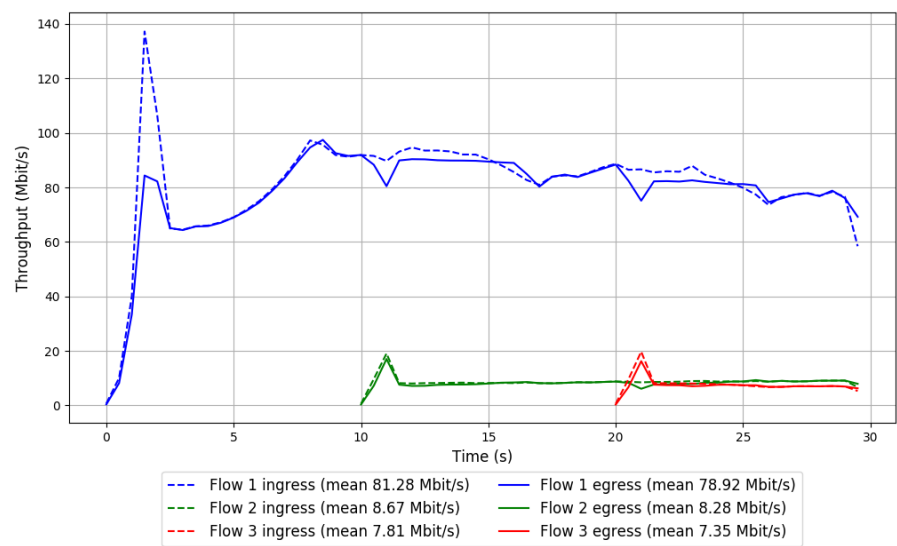


Run 9: Statistics of PCC

Start at: 2018-02-13 20:57:04
End at: 2018-02-13 20:57:34
Local clock offset: 9.2 ms
Remote clock offset: -3.375 ms

Below is generated by plot.py at 2018-02-13 21:52:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 99.329 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 78.92 Mbit/s
95th percentile per-packet one-way delay: 99.337 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 99.166 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 97.900 ms
Loss rate: 5.90%

Run 9: Report of PCC — Data Link

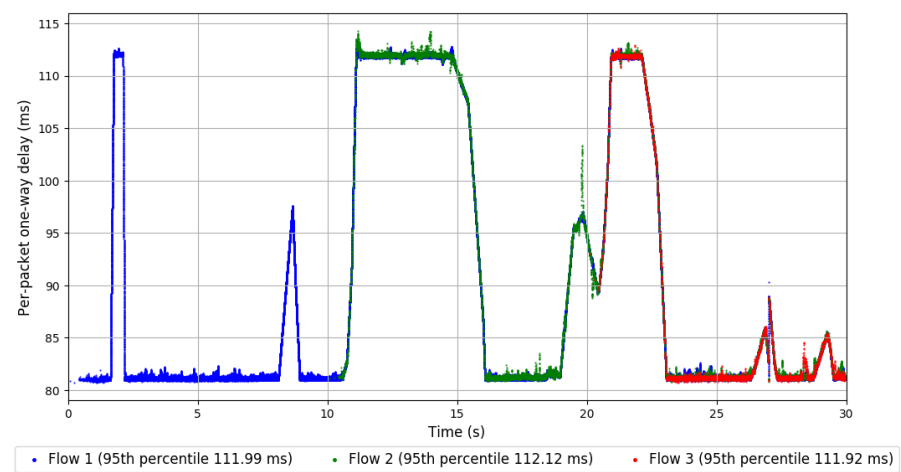
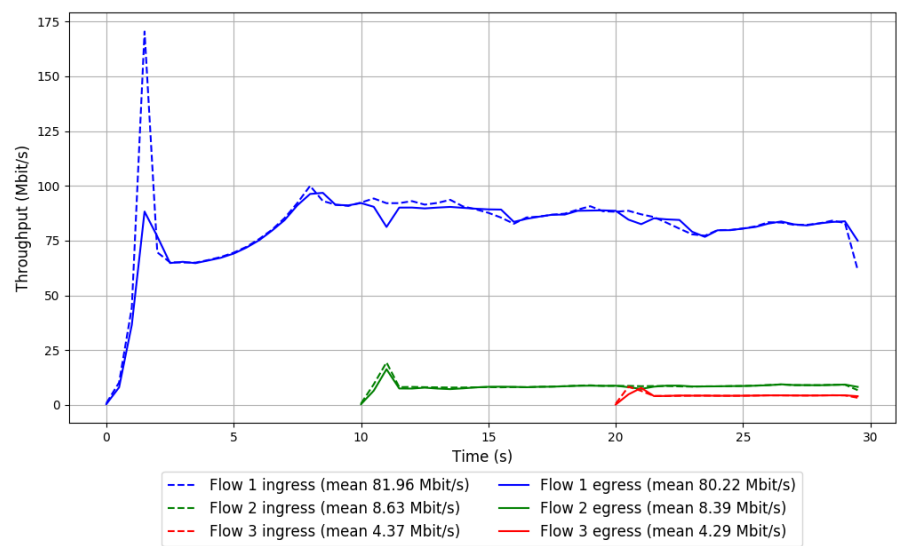


Run 10: Statistics of PCC

Start at: 2018-02-13 21:20:42
End at: 2018-02-13 21:21:12
Local clock offset: -6.237 ms
Remote clock offset: -4.656 ms

Below is generated by plot.py at 2018-02-13 21:52:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 112.001 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 80.22 Mbit/s
95th percentile per-packet one-way delay: 111.993 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 112.124 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 111.915 ms
Loss rate: 2.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 17:33:21

End at: 2018-02-13 17:33:51

Local clock offset: -6.754 ms

Remote clock offset: 1.802 ms

Below is generated by plot.py at 2018-02-13 21:52:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 43.71 Mbit/s

95th percentile per-packet one-way delay: 115.124 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 106.472 ms

Loss rate: 0.29%

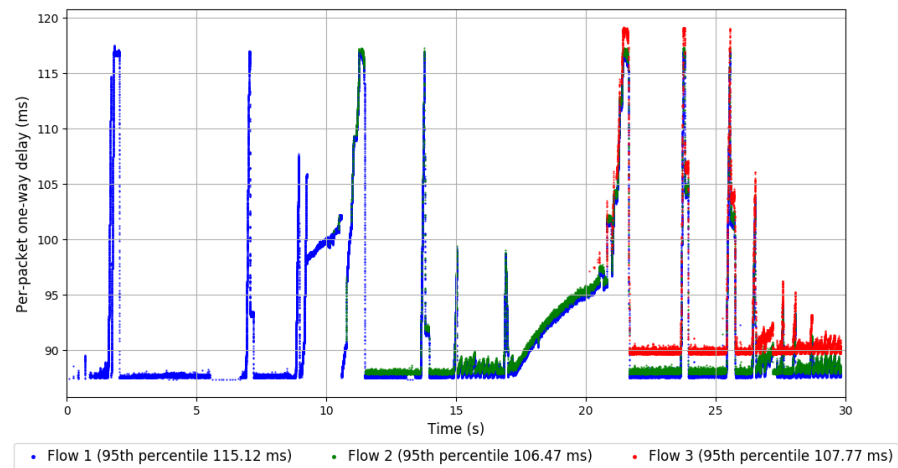
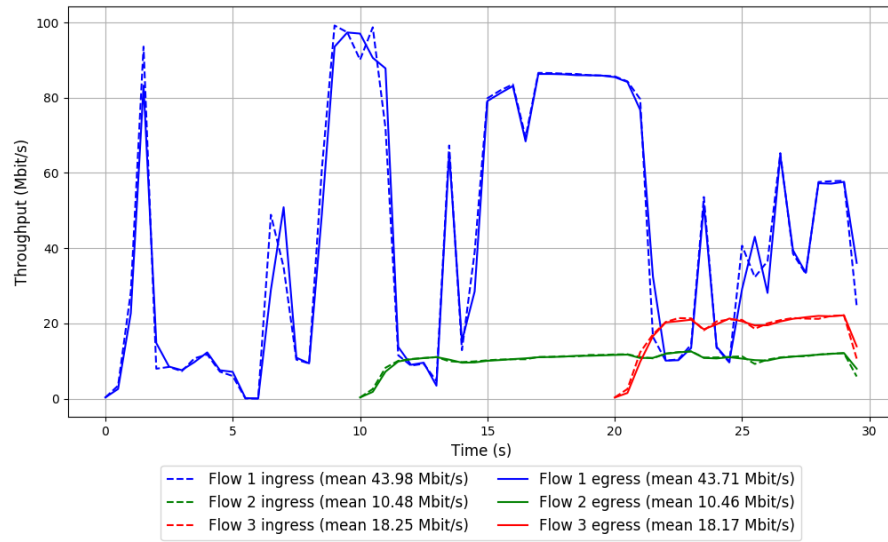
-- Flow 3:

Average throughput: 18.17 Mbit/s

95th percentile per-packet one-way delay: 107.765 ms

Loss rate: 0.54%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 17:57:02

End at: 2018-02-13 17:57:32

Local clock offset: -4.946 ms

Remote clock offset: 0.734 ms

Below is generated by plot.py at 2018-02-13 21:52:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.01 Mbit/s

95th percentile per-packet one-way delay: 108.423 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 105.810 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 36.12 Mbit/s

95th percentile per-packet one-way delay: 113.280 ms

Loss rate: 1.26%

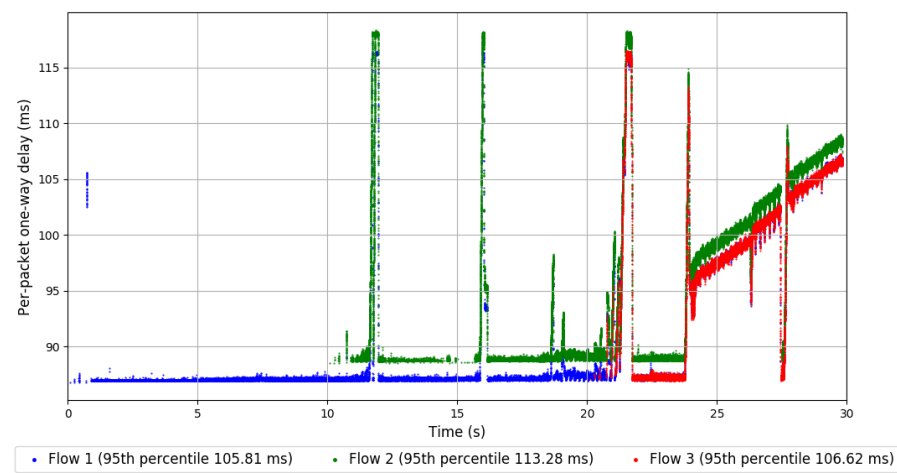
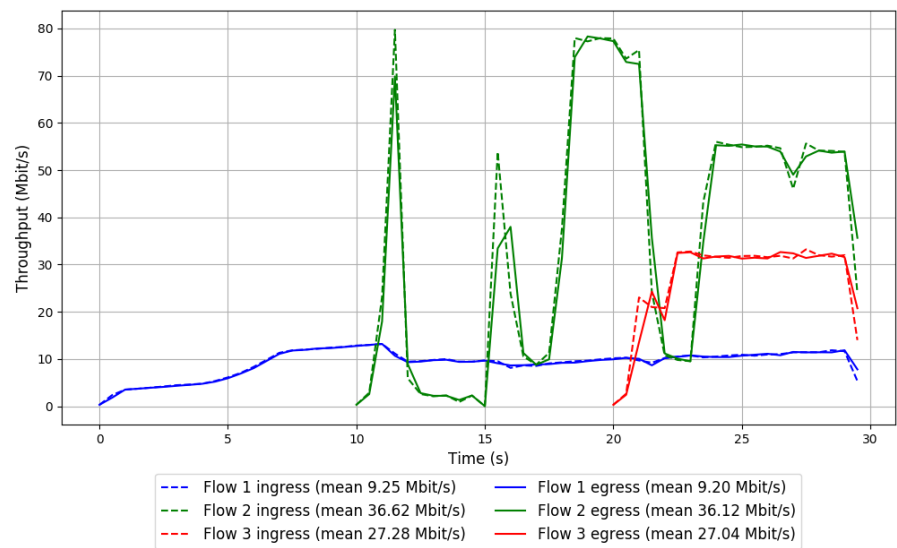
-- Flow 3:

Average throughput: 27.04 Mbit/s

95th percentile per-packet one-way delay: 106.617 ms

Loss rate: 0.71%

Run 2: Report of QUIC Cubic — Data Link

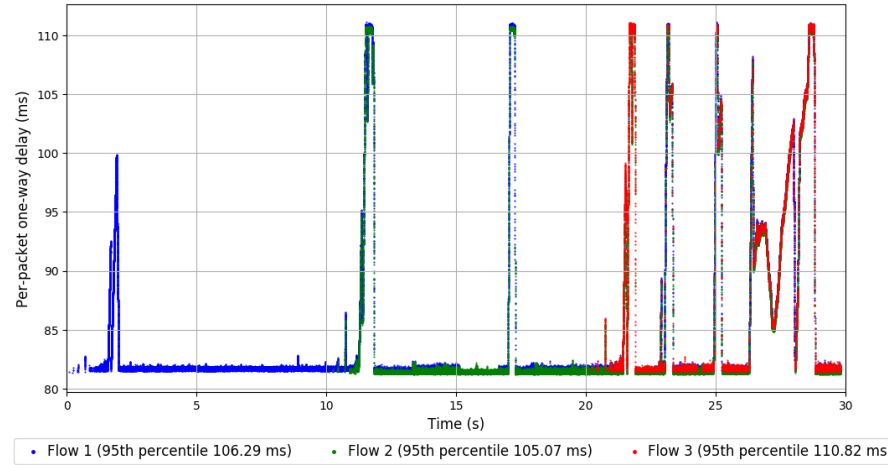
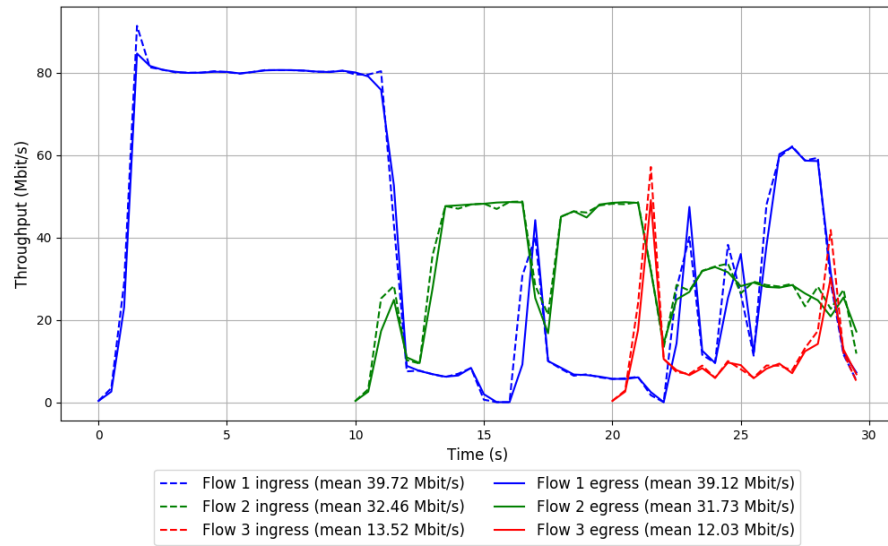


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 18:20:33
End at: 2018-02-13 18:21:04
Local clock offset: -2.898 ms
Remote clock offset: -4.546 ms

Below is generated by plot.py at 2018-02-13 21:52:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 108.467 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 106.291 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 105.070 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 110.821 ms
Loss rate: 11.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 18:44:12

End at: 2018-02-13 18:44:42

Local clock offset: -4.653 ms

Remote clock offset: -2.7 ms

Below is generated by plot.py at 2018-02-13 21:52:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 111.295 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 111.918 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 103.181 ms

Loss rate: 0.47%

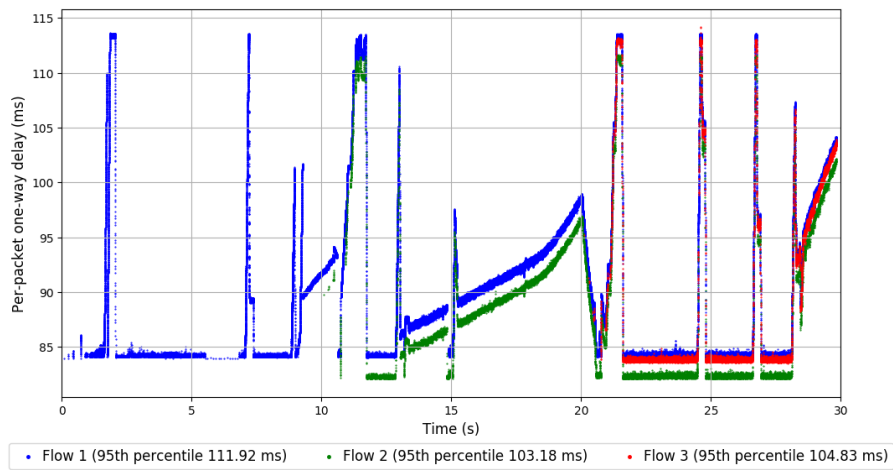
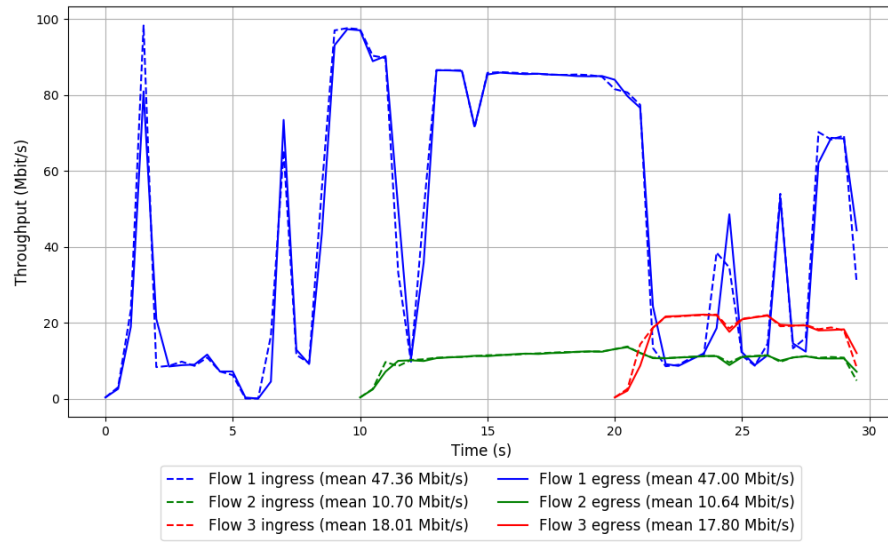
-- Flow 3:

Average throughput: 17.80 Mbit/s

95th percentile per-packet one-way delay: 104.831 ms

Loss rate: 1.08%

Run 4: Report of QUIC Cubic — Data Link

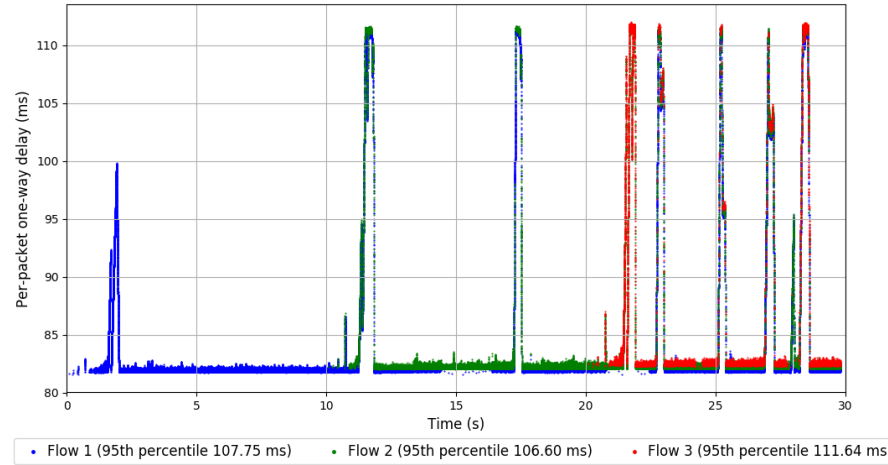
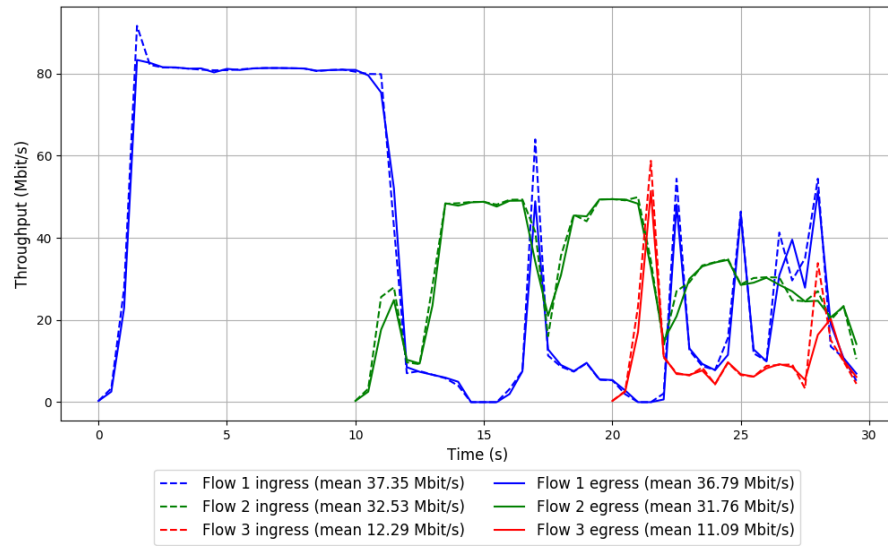


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 19:07:57
End at: 2018-02-13 19:08:27
Local clock offset: -4.364 ms
Remote clock offset: -3.366 ms

Below is generated by plot.py at 2018-02-13 21:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.48 Mbit/s
95th percentile per-packet one-way delay: 109.649 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 107.746 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 106.596 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 111.644 ms
Loss rate: 9.77%

Run 5: Report of QUIC Cubic — Data Link

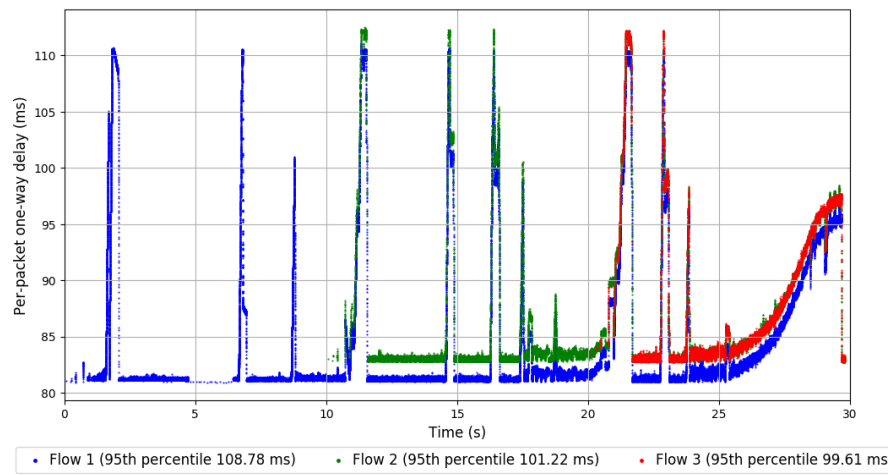
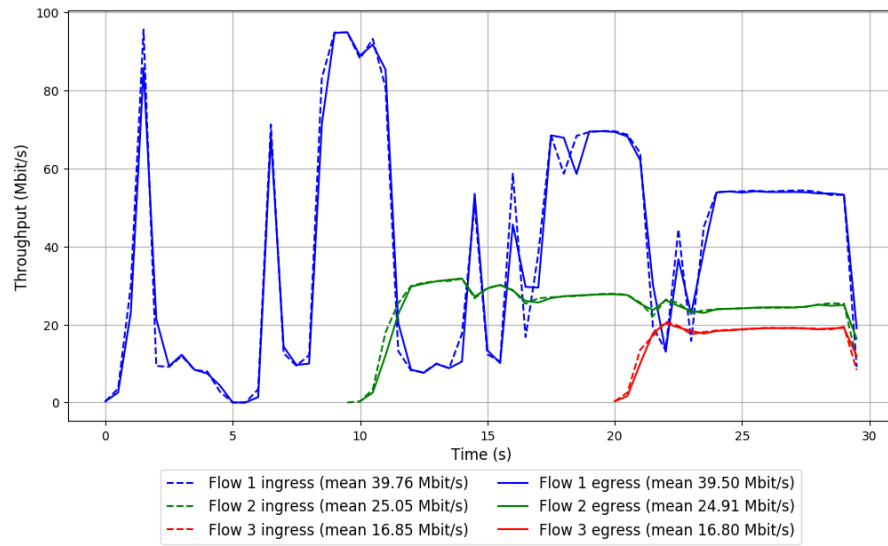


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 19:31:34
End at: 2018-02-13 19:32:04
Local clock offset: -4.023 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-02-13 21:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 105.993 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 108.785 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 101.222 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 99.615 ms
Loss rate: 0.32%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 19:55:23

End at: 2018-02-13 19:55:53

Local clock offset: -7.843 ms

Remote clock offset: 5.436 ms

Below is generated by plot.py at 2018-02-13 21:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 110.931 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 45.47 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 109.172 ms

Loss rate: 0.25%

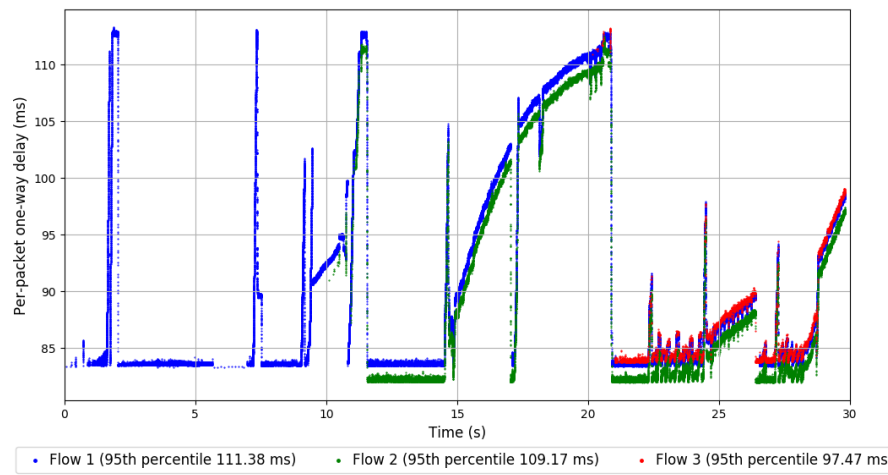
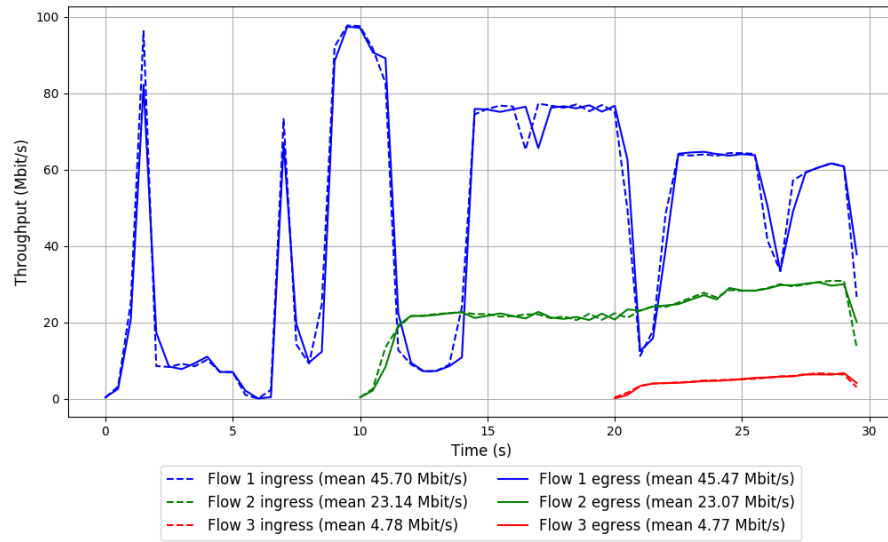
-- Flow 3:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 97.466 ms

Loss rate: 0.39%

Run 7: Report of QUIC Cubic — Data Link

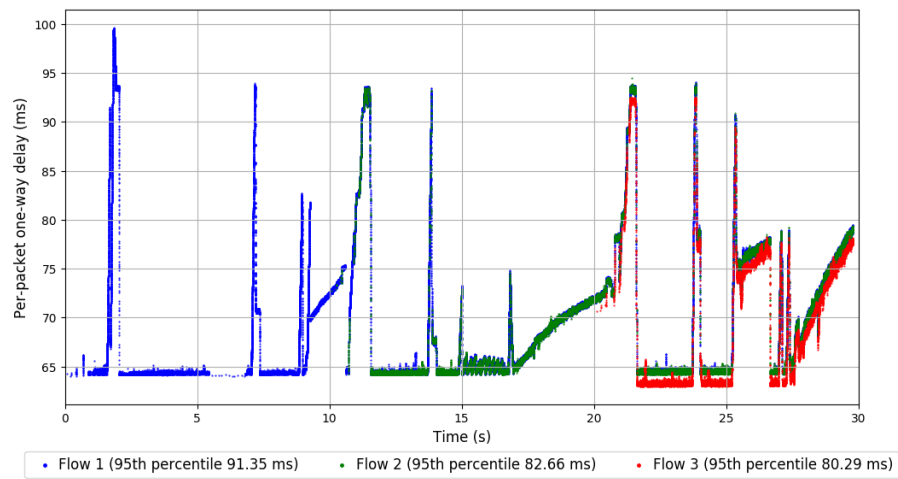
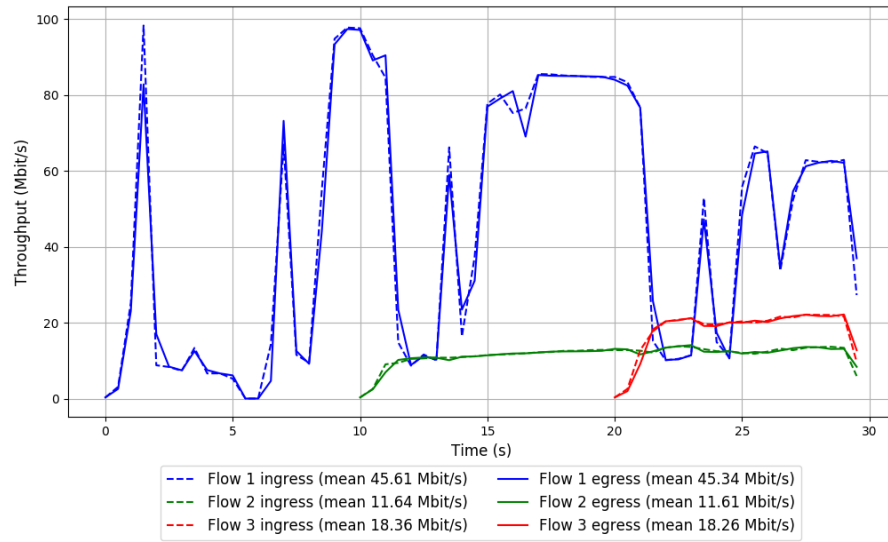


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 20:19:00
End at: 2018-02-13 20:19:30
Local clock offset: 11.907 ms
Remote clock offset: -4.647 ms

Below is generated by plot.py at 2018-02-13 21:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 90.424 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 91.347 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 82.655 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 80.288 ms
Loss rate: 0.52%

Run 8: Report of QUIC Cubic — Data Link

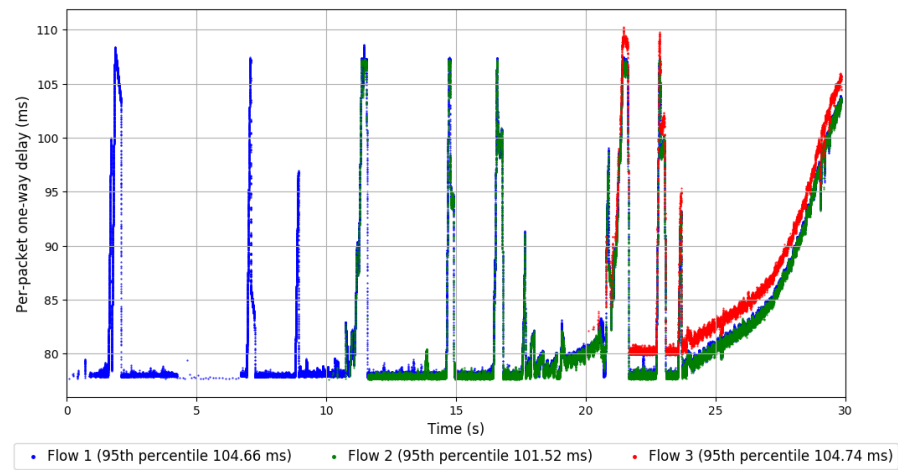
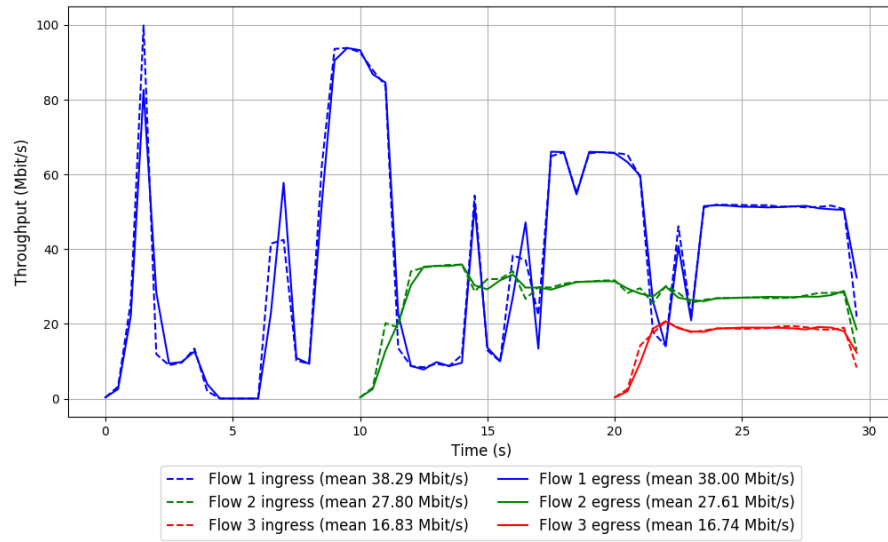


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 20:42:36
End at: 2018-02-13 20:43:06
Local clock offset: -2.329 ms
Remote clock offset: -3.252 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 103.751 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 104.662 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 101.523 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 104.738 ms
Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 21:06:15

End at: 2018-02-13 21:06:45

Local clock offset: -5.466 ms

Remote clock offset: 2.567 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 115.319 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 44.01 Mbit/s

95th percentile per-packet one-way delay: 116.566 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 108.494 ms

Loss rate: 0.24%

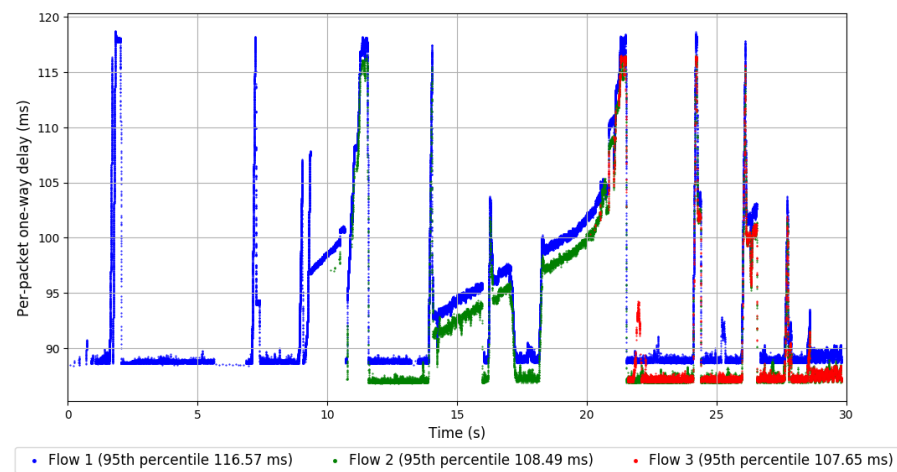
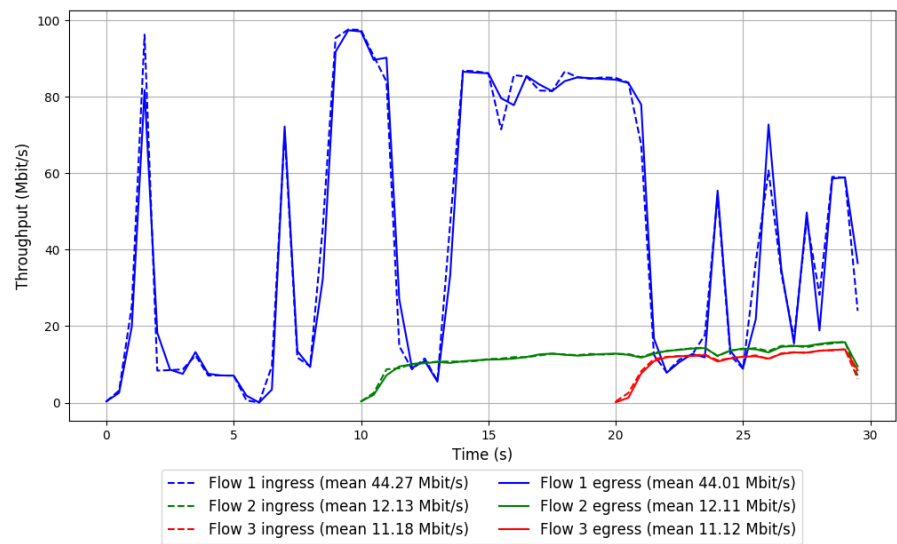
-- Flow 3:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 107.647 ms

Loss rate: 0.62%

Run 10: Report of QUIC Cubic — Data Link

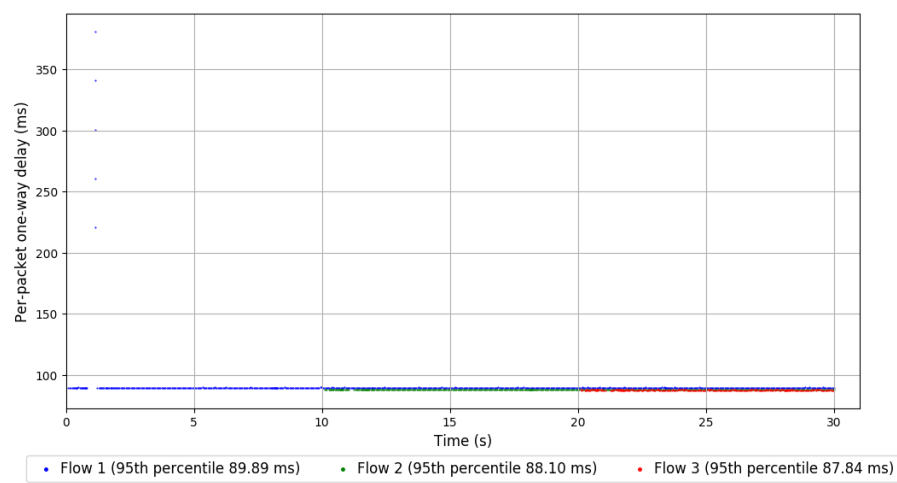
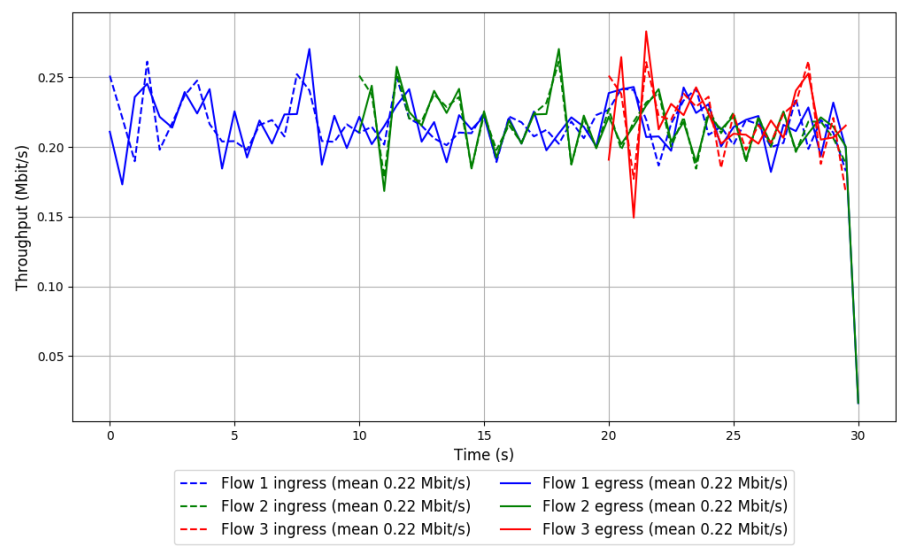


```
Run 1: Statistics of SReAM

Start at: 2018-02-13 17:29:27
End at: 2018-02-13 17:29:57
Local clock offset: -6.899 ms
Remote clock offset: 1.748 ms

# Below is generated by plot.py at 2018-02-13 21:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 89.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.893 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.842 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

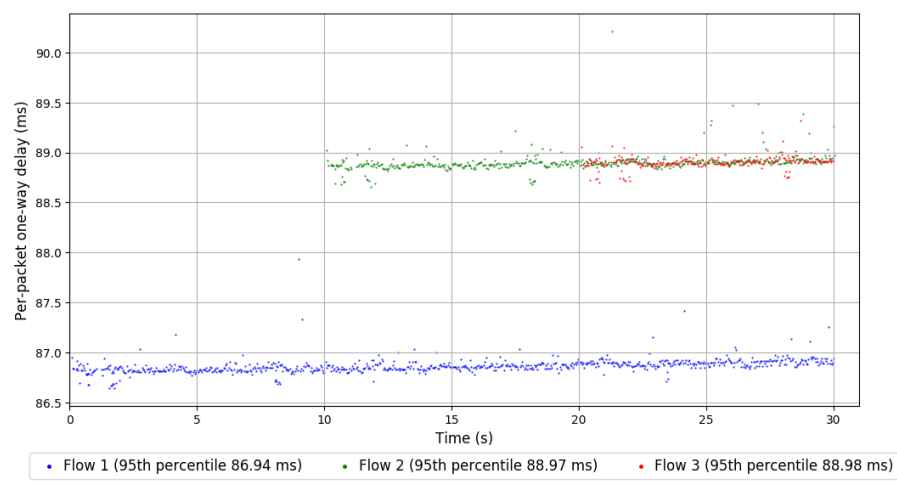
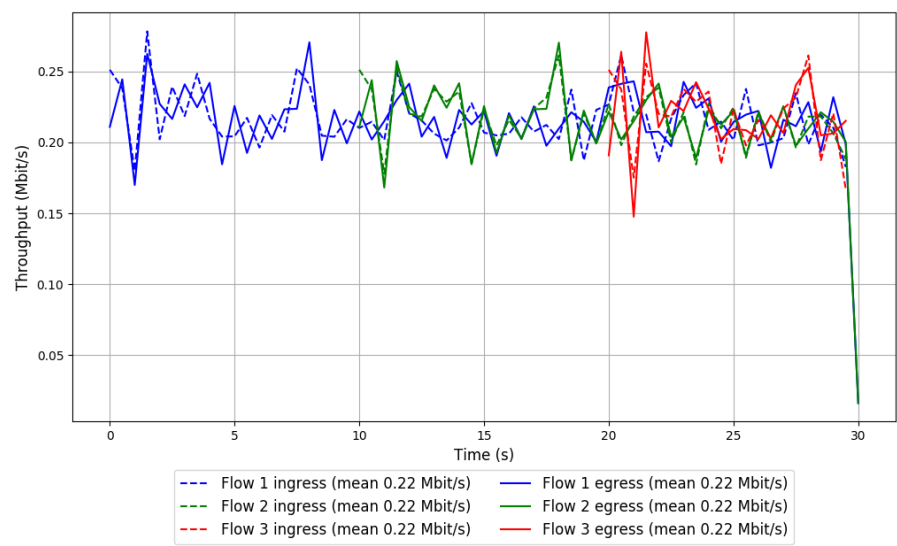


Run 2: Statistics of SReAM

Start at: 2018-02-13 17:53:07
End at: 2018-02-13 17:53:37
Local clock offset: -5.641 ms
Remote clock offset: 0.724 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.983 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

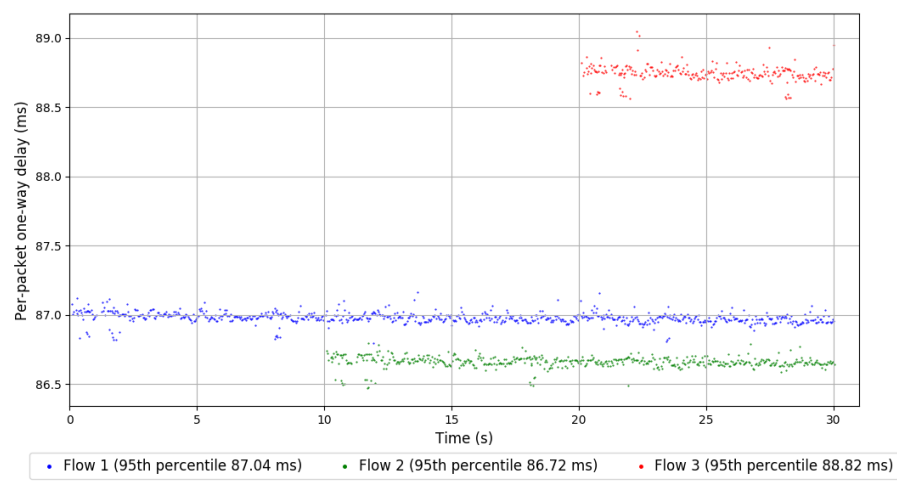
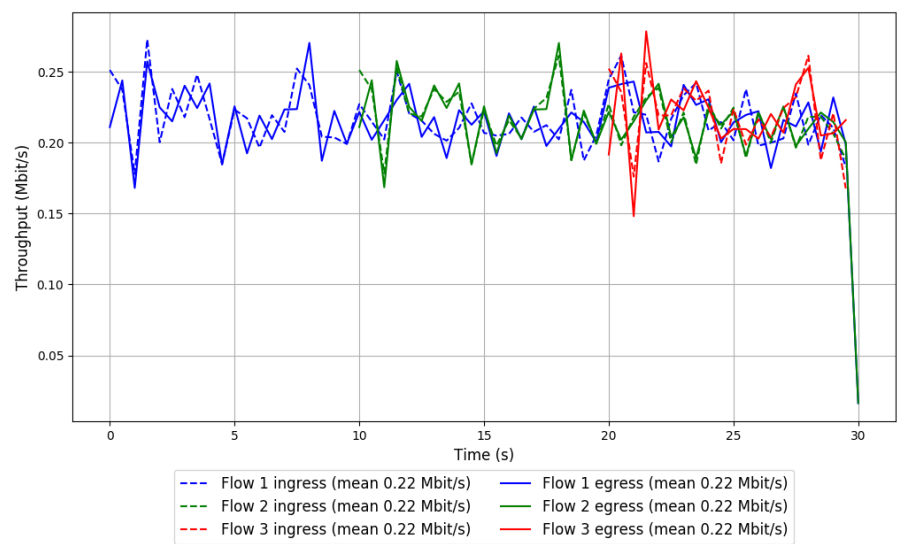


Run 3: Statistics of SReAM

Start at: 2018-02-13 18:16:39
End at: 2018-02-13 18:17:09
Local clock offset: -3.118 ms
Remote clock offset: 0.692 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.821 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

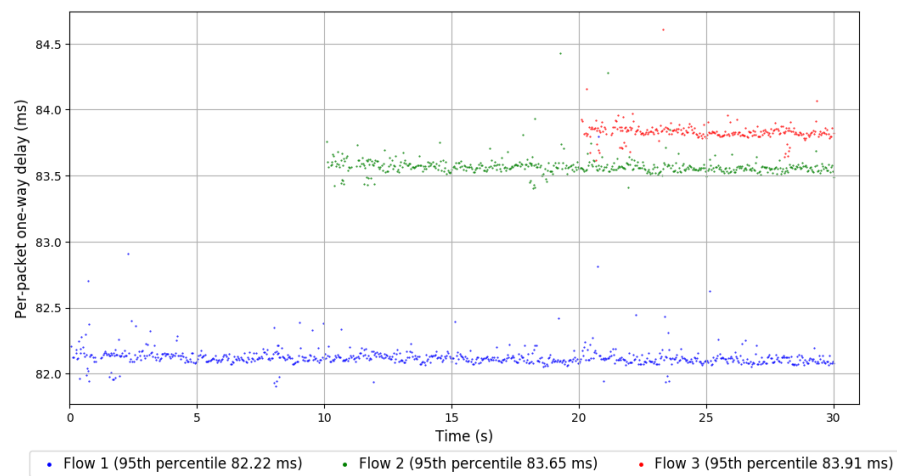
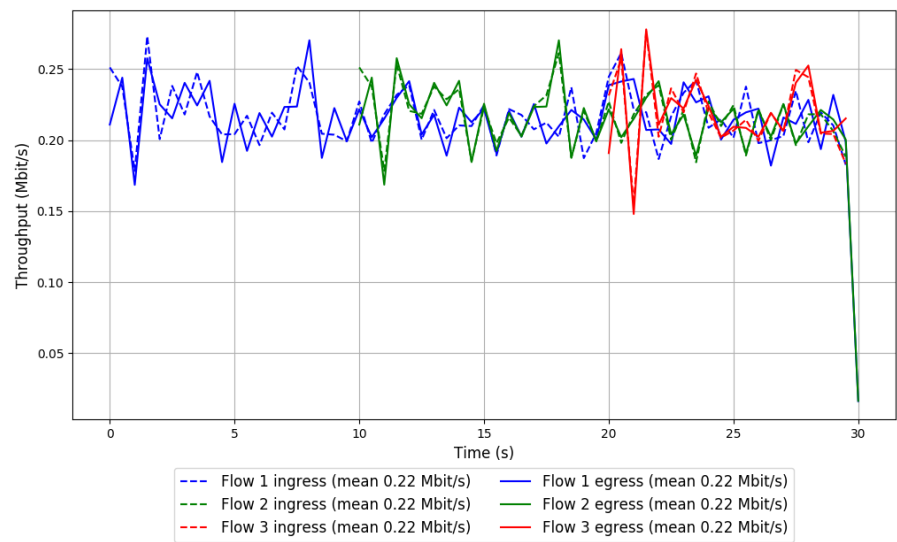


Run 4: Statistics of SReAM

Start at: 2018-02-13 18:40:16
End at: 2018-02-13 18:40:46
Local clock offset: -4.545 ms
Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.912 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-13 19:04:02

End at: 2018-02-13 19:04:32

Local clock offset: -4.502 ms

Remote clock offset: 2.454 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 88.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.237 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.964 ms

Loss rate: 0.00%

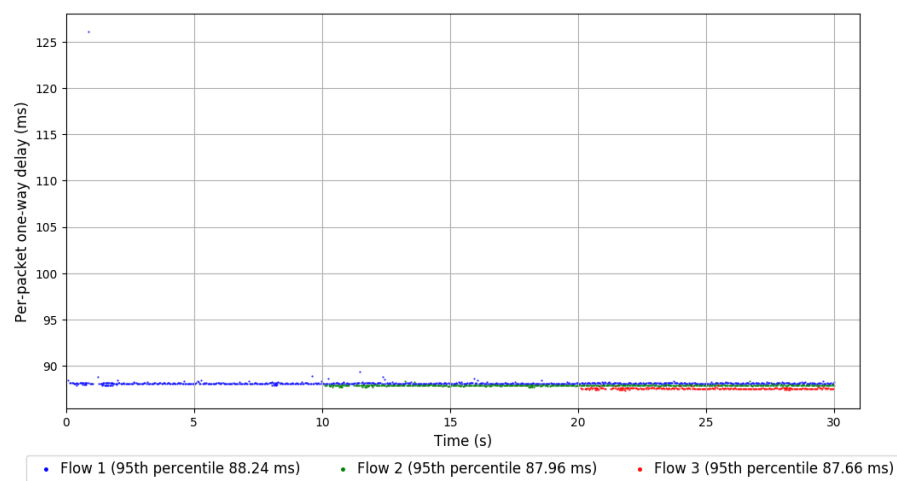
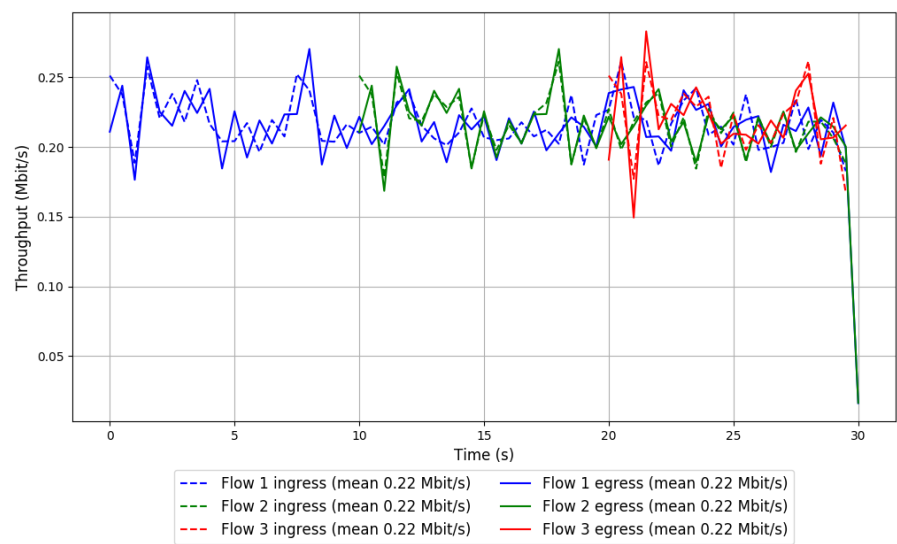
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-13 19:27:38

End at: 2018-02-13 19:28:08

Local clock offset: -4.006 ms

Remote clock offset: 4.727 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 89.214 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.307 ms

Loss rate: 0.00%

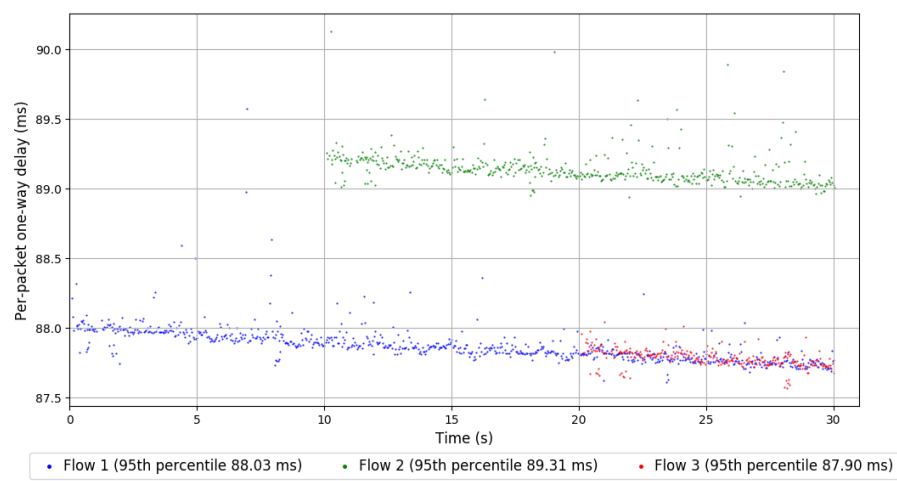
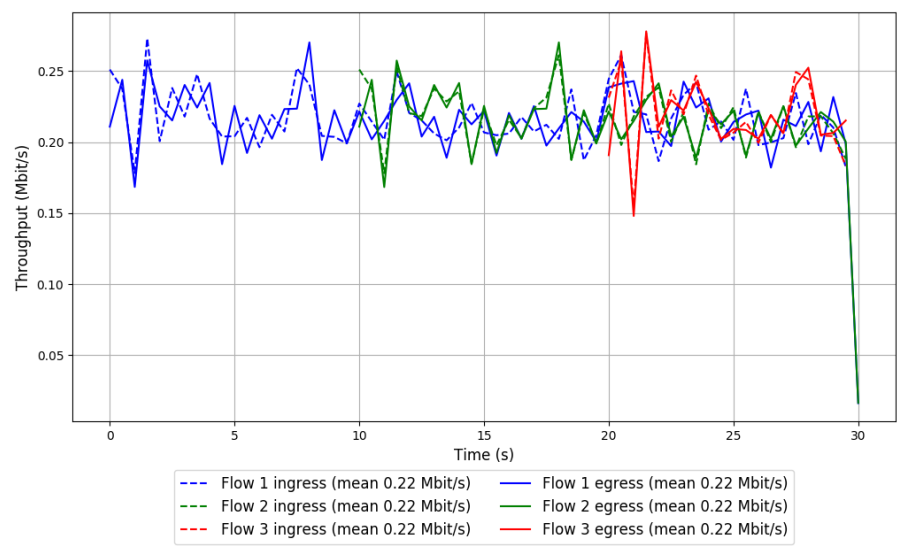
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.901 ms

Loss rate: 0.00%

Run 6: Report of SCReAM — Data Link

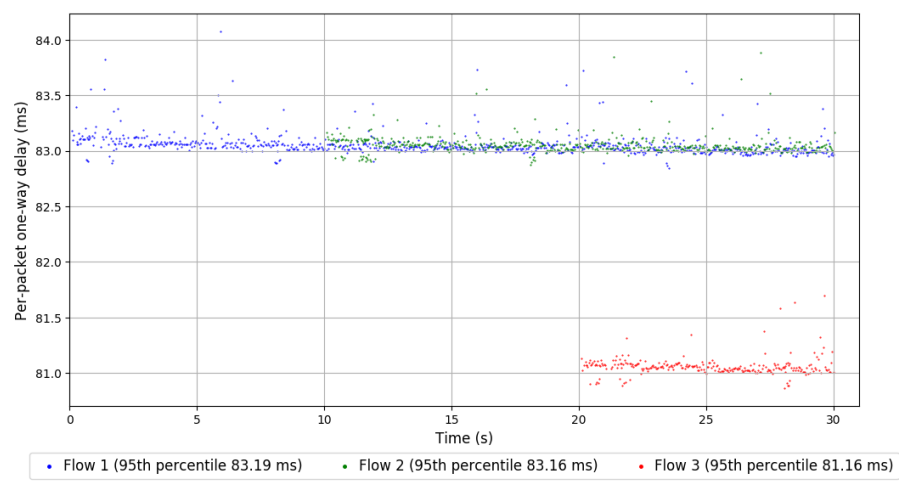
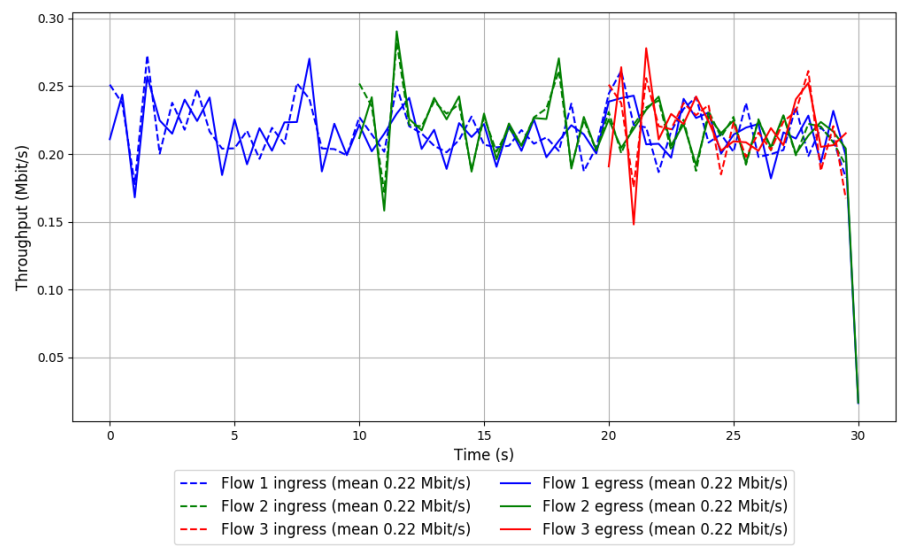


Run 7: Statistics of SReAM

Start at: 2018-02-13 19:51:28
End at: 2018-02-13 19:51:58
Local clock offset: -7.611 ms
Remote clock offset: 4.181 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.160 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

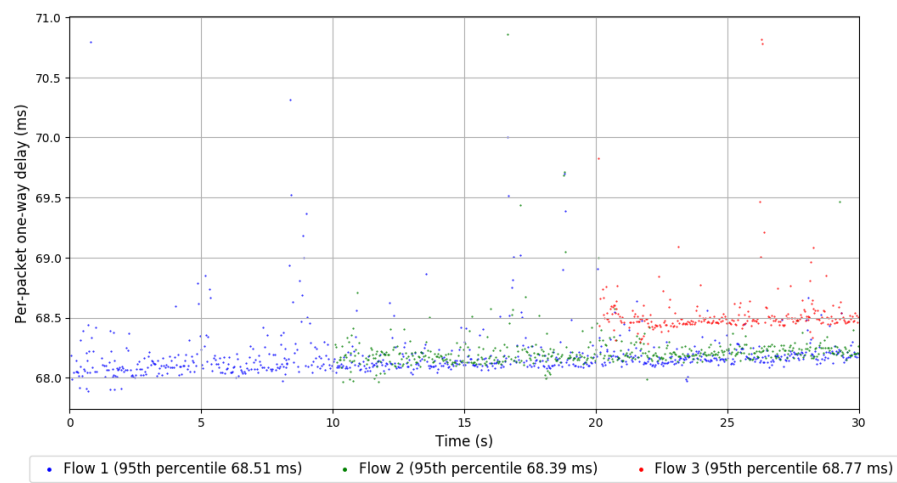
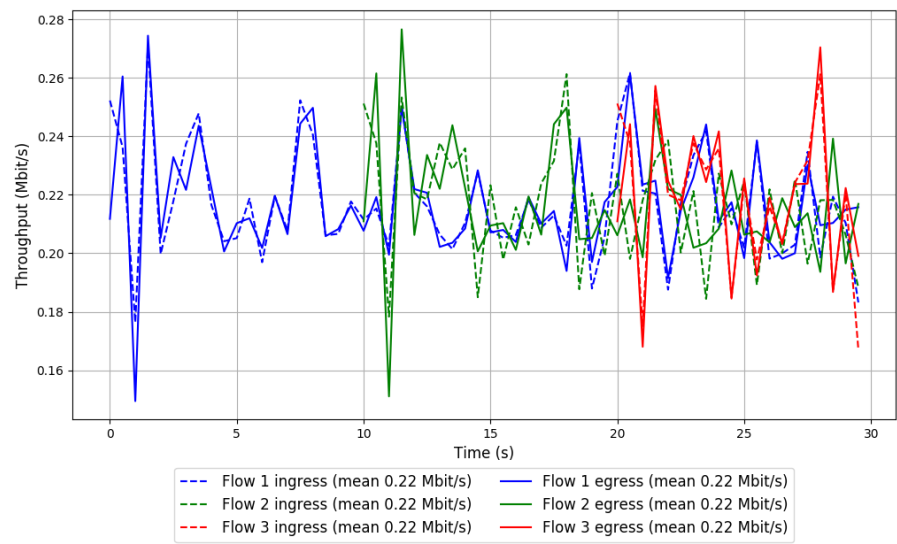


Run 8: Statistics of SReAM

Start at: 2018-02-13 20:15:04
End at: 2018-02-13 20:15:34
Local clock offset: 8.787 ms
Remote clock offset: -3.222 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 68.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.767 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

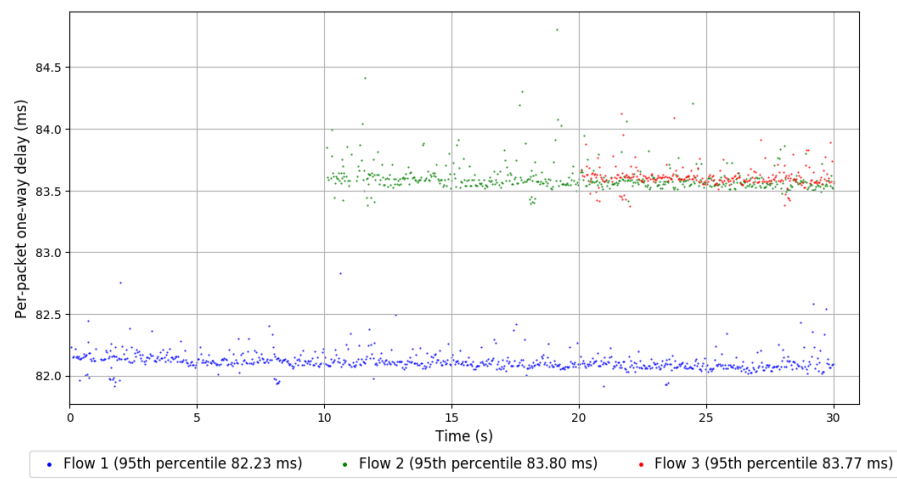
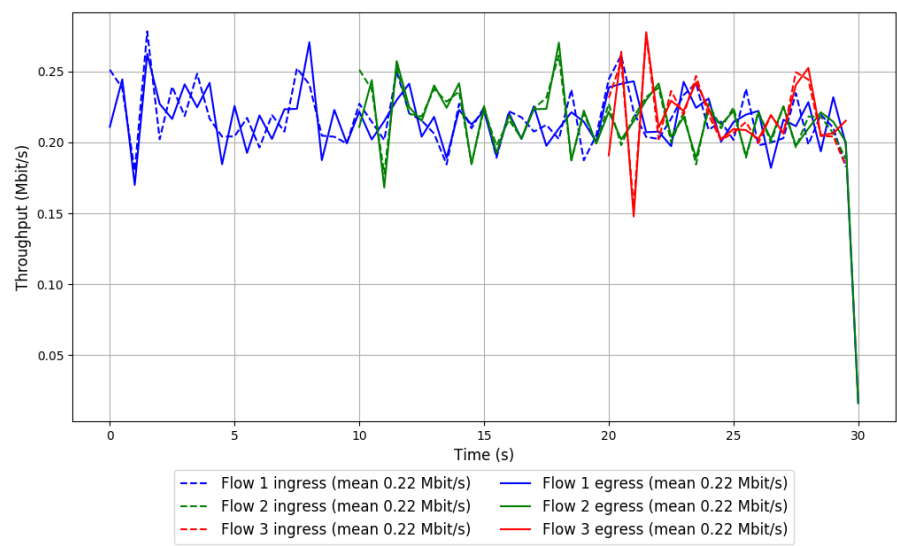


Run 9: Statistics of SReAM

Start at: 2018-02-13 20:38:41
End at: 2018-02-13 20:39:11
Local clock offset: -6.514 ms
Remote clock offset: -3.815 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.699 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.765 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-13 21:02:20

End at: 2018-02-13 21:02:50

Local clock offset: 6.773 ms

Remote clock offset: 2.507 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 75.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.724 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 74.825 ms

Loss rate: 0.00%

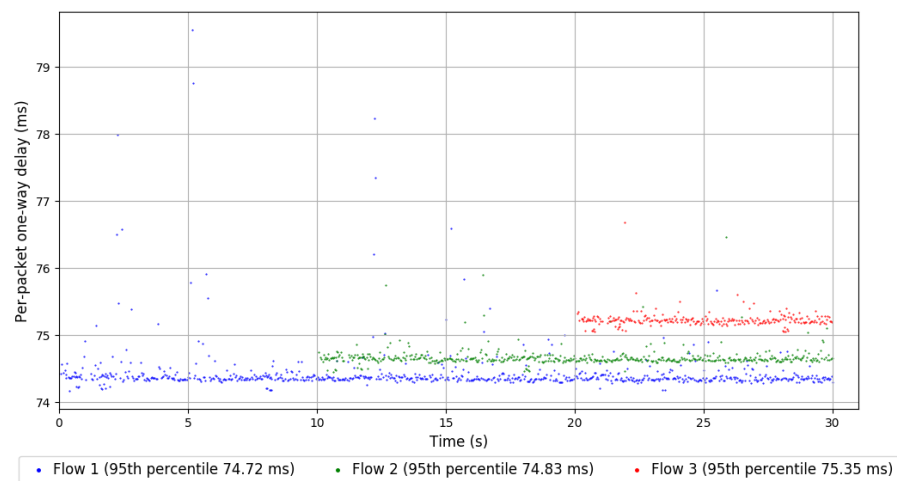
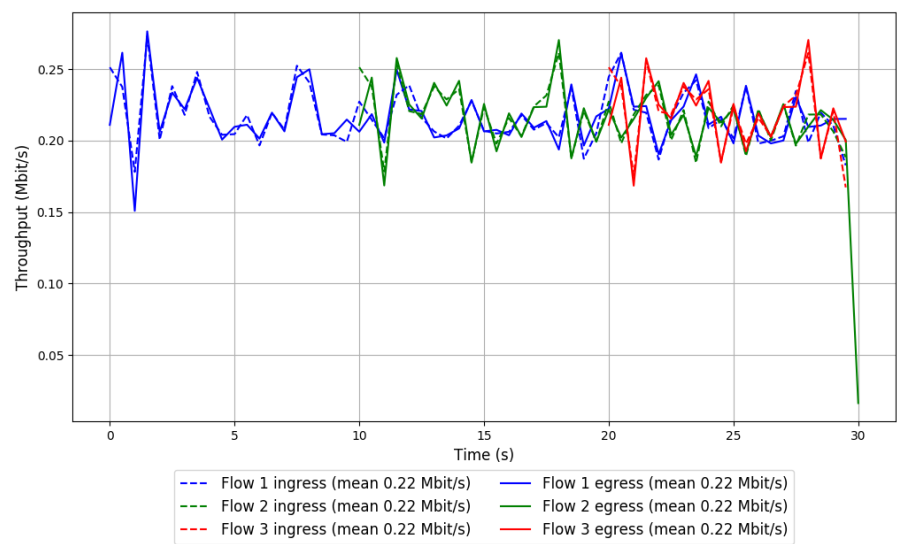
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 75.352 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-13 17:45:14

End at: 2018-02-13 17:45:44

Local clock offset: -6.495 ms

Remote clock offset: 0.692 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 89.113 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 89.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.00%

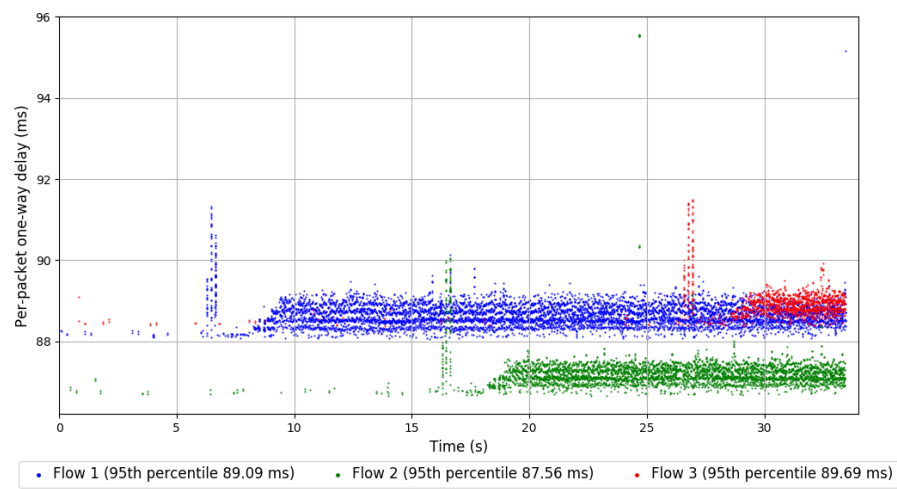
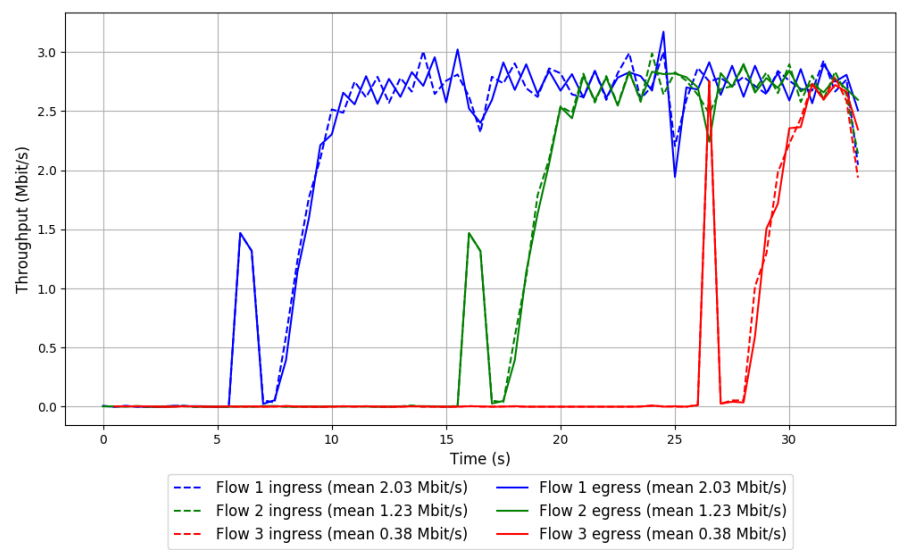
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 89.690 ms

Loss rate: 0.08%

Run 1: Report of WebRTC media — Data Link

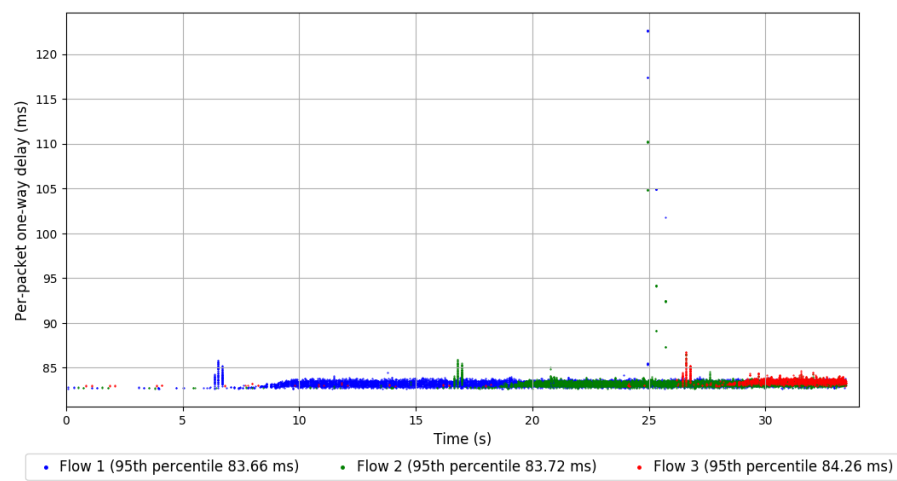
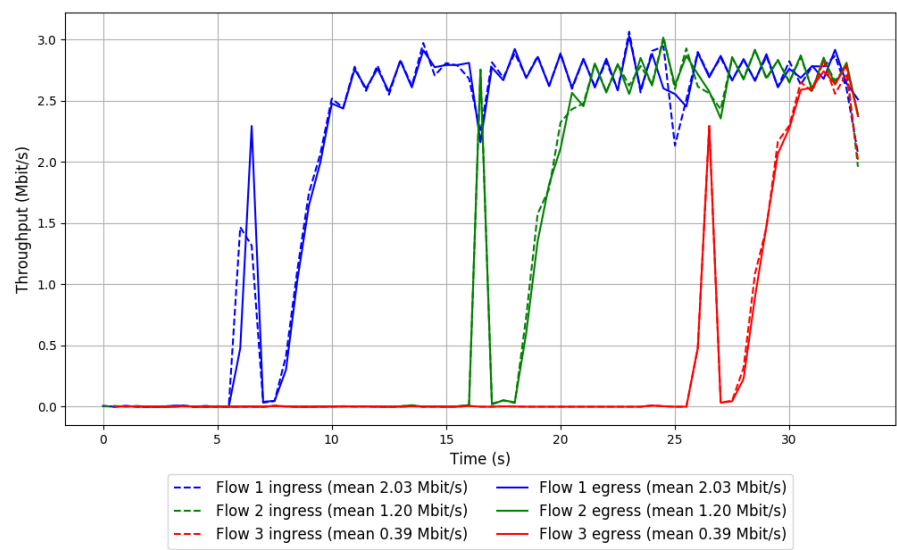


Run 2: Statistics of WebRTC media

Start at: 2018-02-13 18:08:50
End at: 2018-02-13 18:09:20
Local clock offset: -3.633 ms
Remote clock offset: -5.018 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 83.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 83.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 83.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 84.256 ms
Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-13 18:32:27

End at: 2018-02-13 18:32:57

Local clock offset: -4.137 ms

Remote clock offset: 0.936 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 86.735 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 86.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 86.613 ms

Loss rate: 0.00%

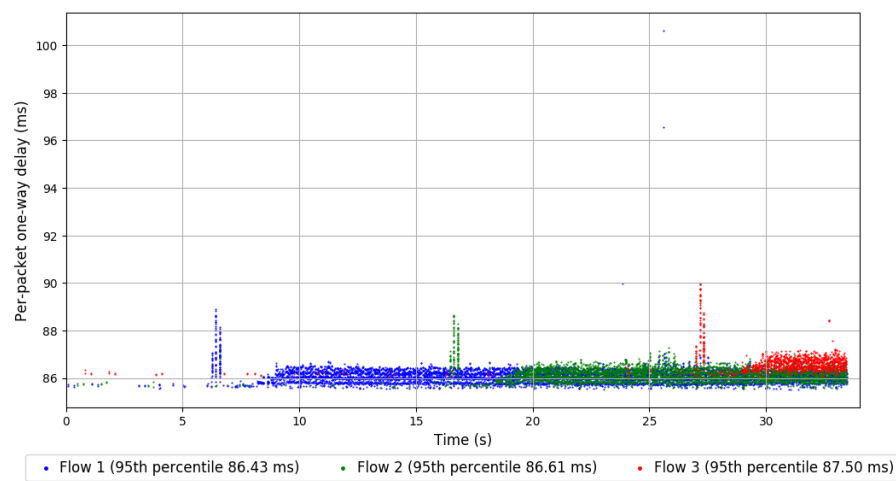
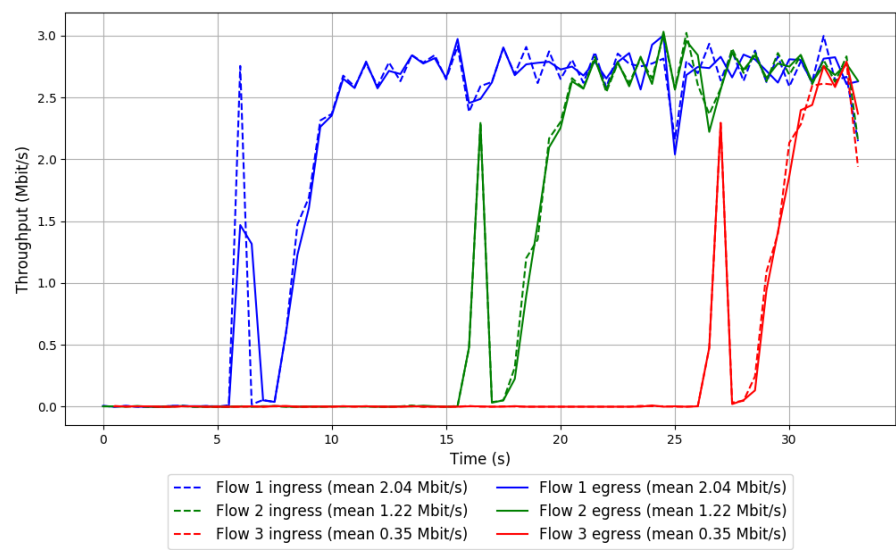
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 87.499 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

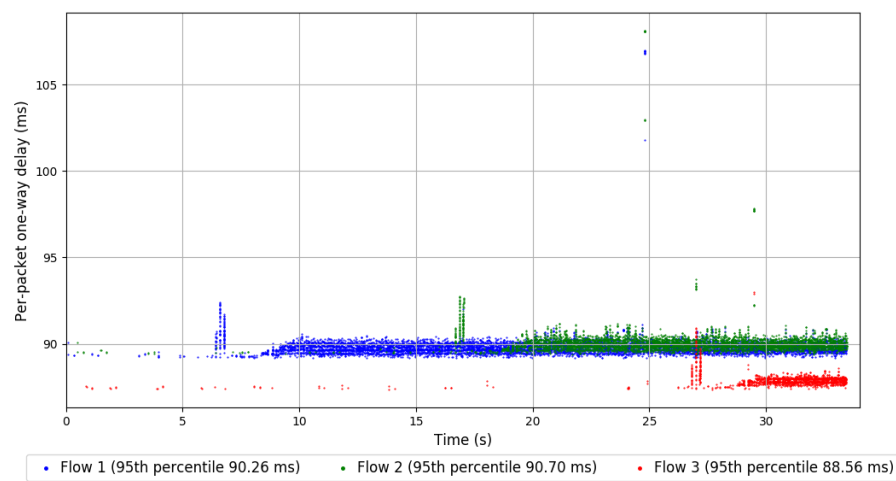
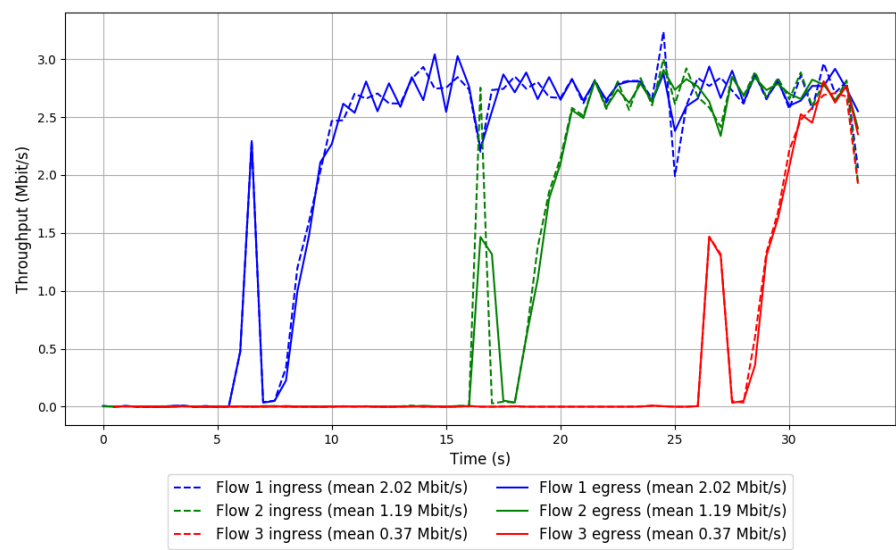


Run 4: Statistics of WebRTC media

Start at: 2018-02-13 18:56:02
End at: 2018-02-13 18:56:32
Local clock offset: -4.791 ms
Remote clock offset: 2.684 ms

```
# Below is generated by plot.py at 2018-02-13 21:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 90.424 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 90.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 90.696 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 88.562 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-13 19:19:46

End at: 2018-02-13 19:20:16

Local clock offset: -4.112 ms

Remote clock offset: 1.518 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 88.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 88.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 87.580 ms

Loss rate: 0.00%

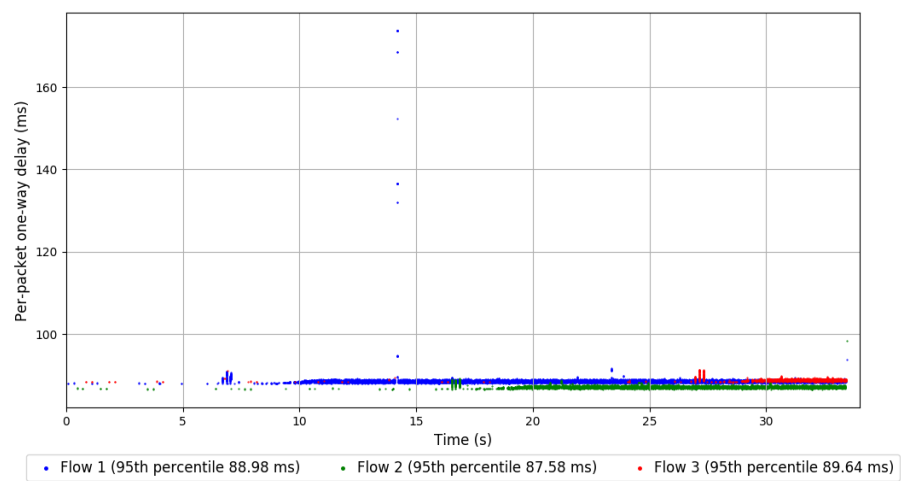
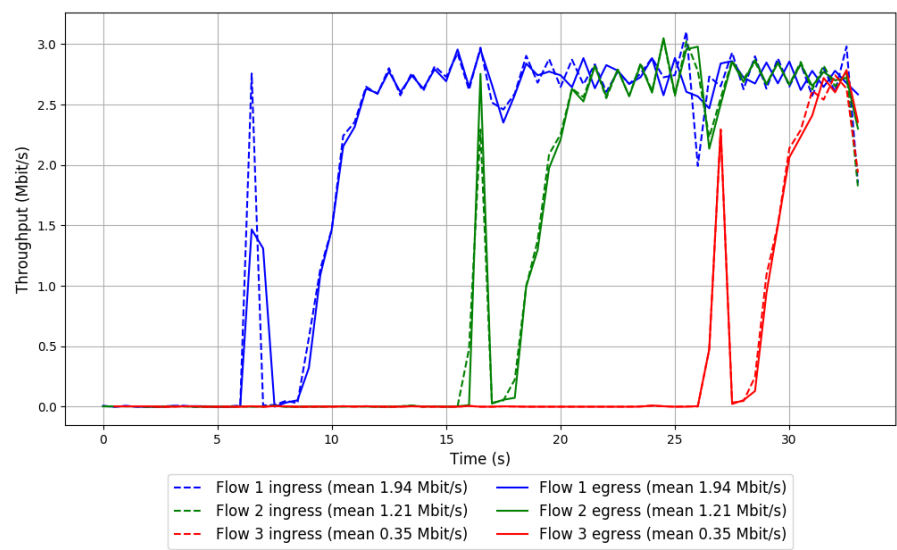
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 89.643 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-13 19:43:25

End at: 2018-02-13 19:43:55

Local clock offset: -6.594 ms

Remote clock offset: 8.654 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 89.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 88.748 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 89.452 ms

Loss rate: 0.00%

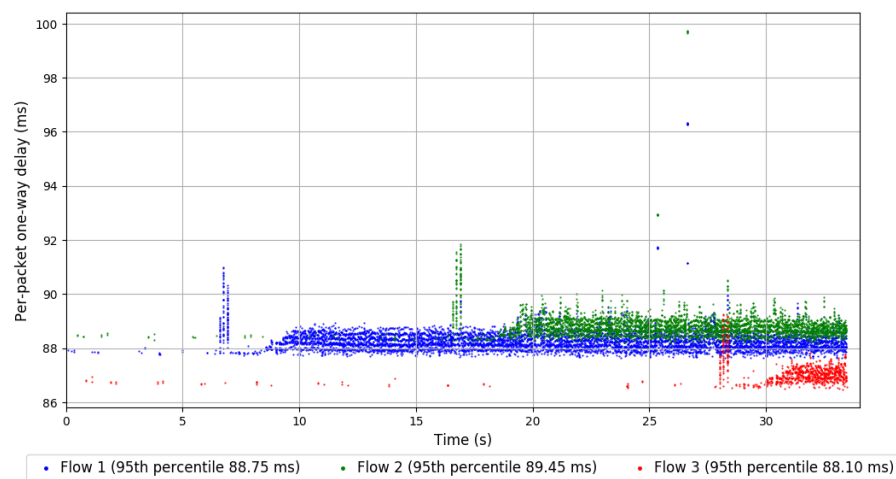
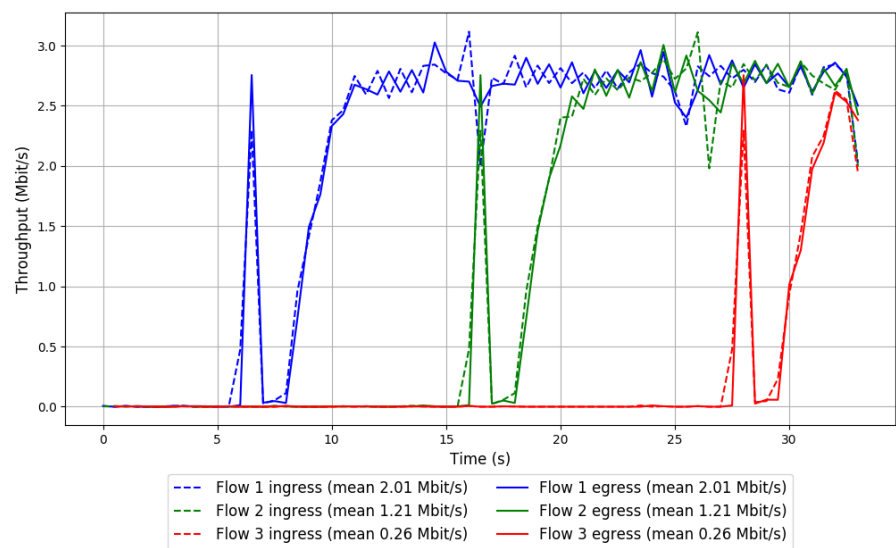
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 88.098 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

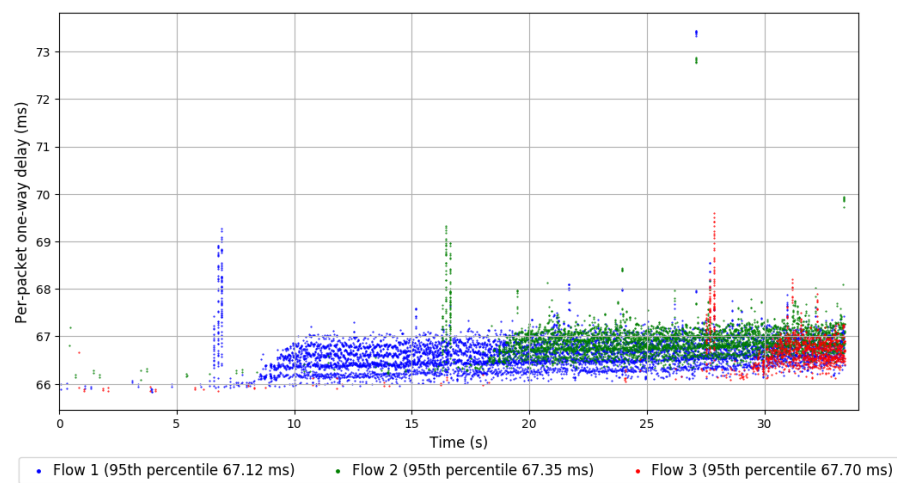
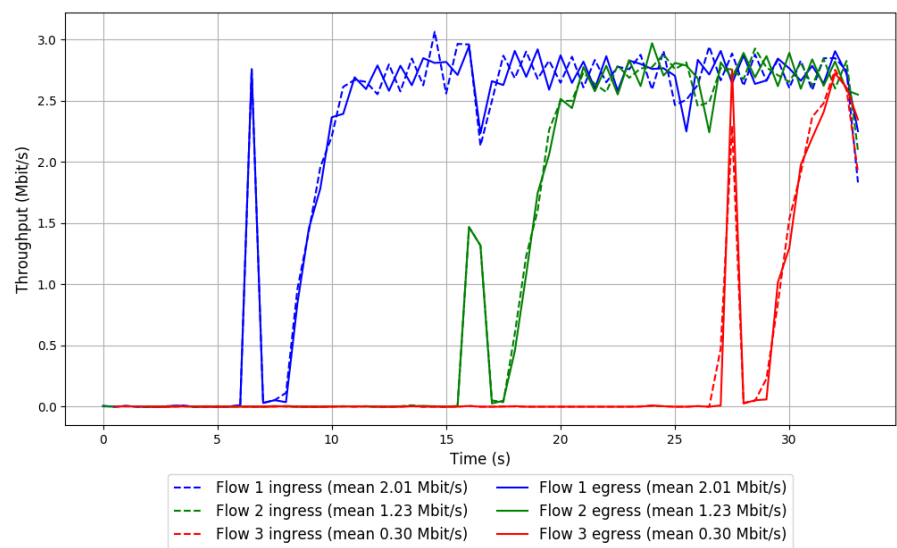


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 20:07:12
End at: 2018-02-13 20:07:42
Local clock offset: 6.795 ms
Remote clock offset: -1.565 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 67.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 67.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 67.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 67.696 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

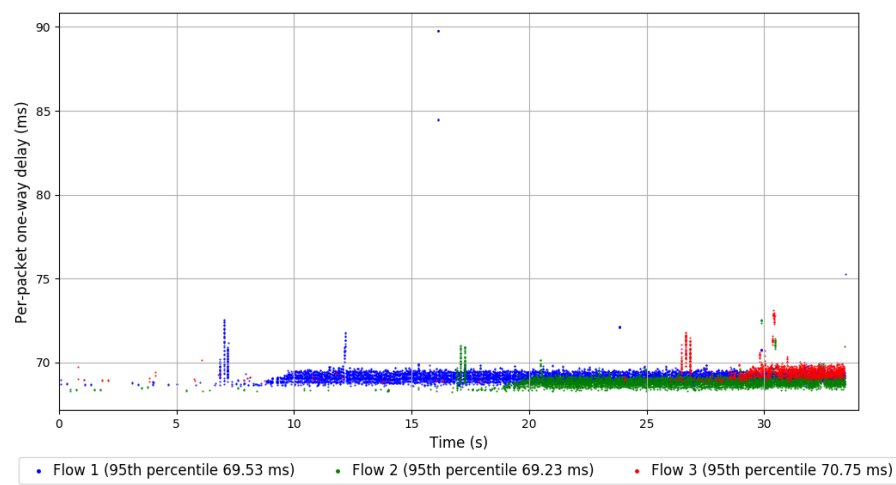
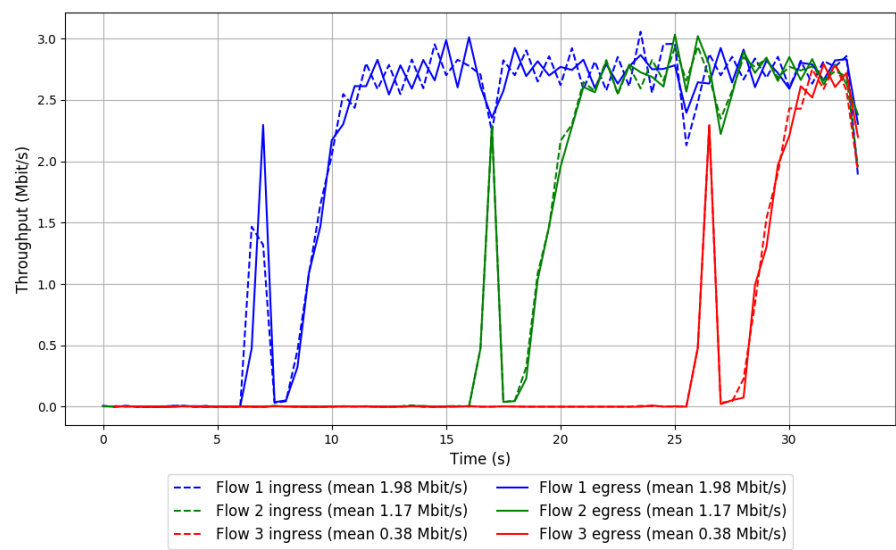


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 20:30:52
End at: 2018-02-13 20:31:22
Local clock offset: 13.273 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 69.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 69.527 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 69.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 70.752 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

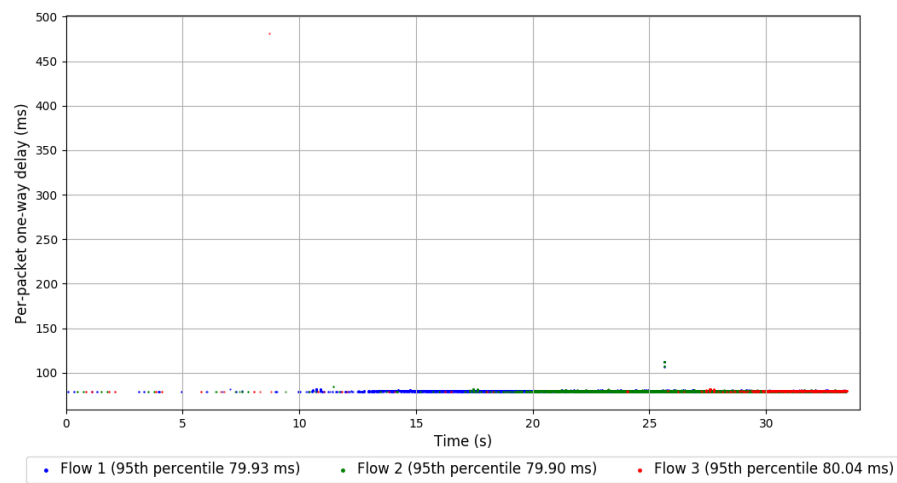
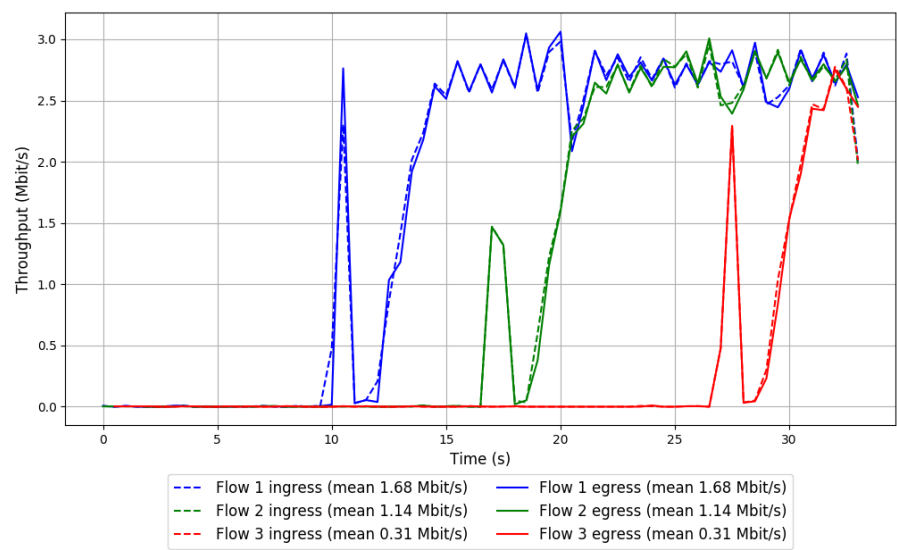


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 20:54:28
End at: 2018-02-13 20:54:58
Local clock offset: -3.351 ms
Remote clock offset: -3.401 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 79.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 79.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 79.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 80.038 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

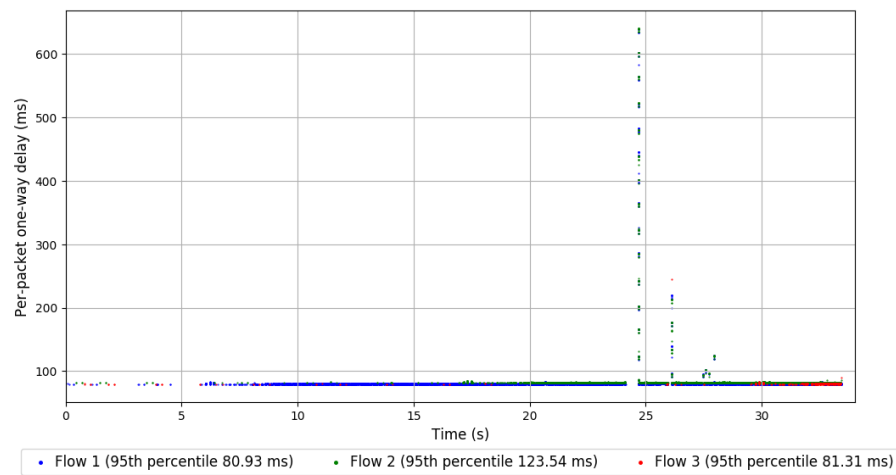
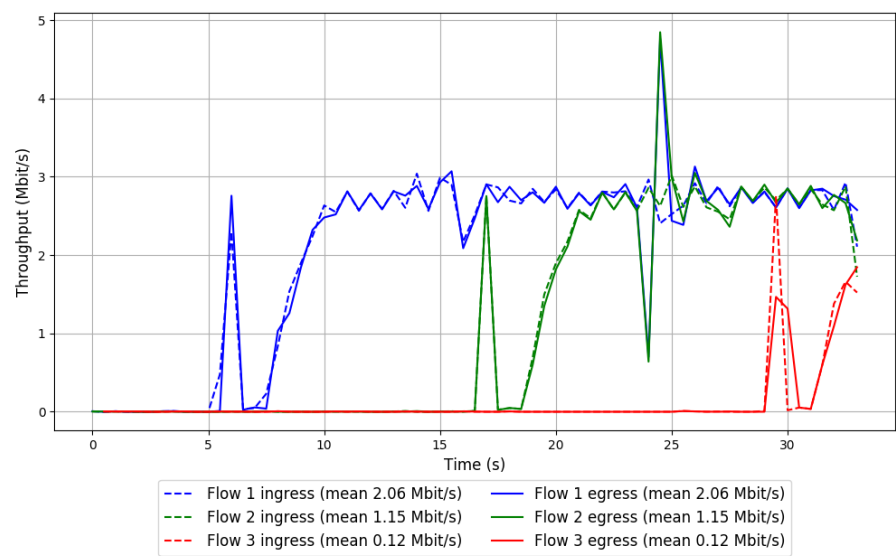


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 21:18:06
End at: 2018-02-13 21:18:36
Local clock offset: -4.21 ms
Remote clock offset: -4.473 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 82.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 80.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 123.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 81.311 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-13 17:44:00

End at: 2018-02-13 17:44:30

Local clock offset: -6.58 ms

Remote clock offset: 0.85 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.85 Mbit/s

95th percentile per-packet one-way delay: 93.942 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 93.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 94.085 ms

Loss rate: 0.00%

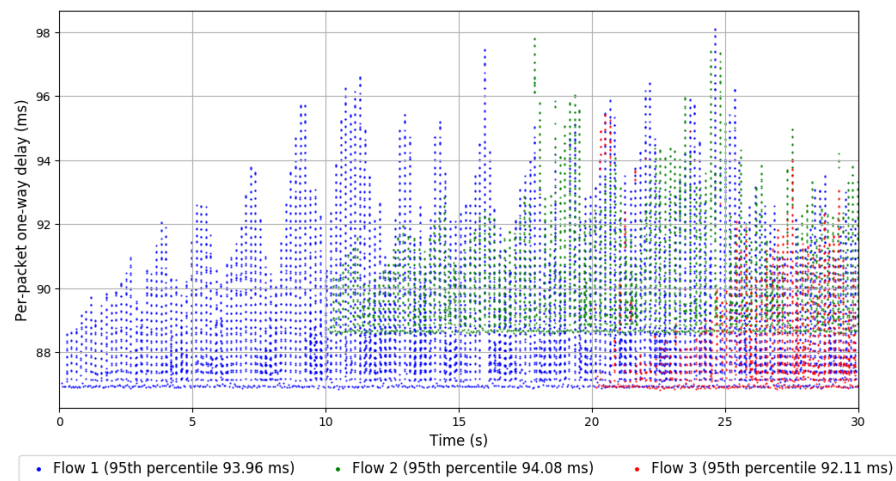
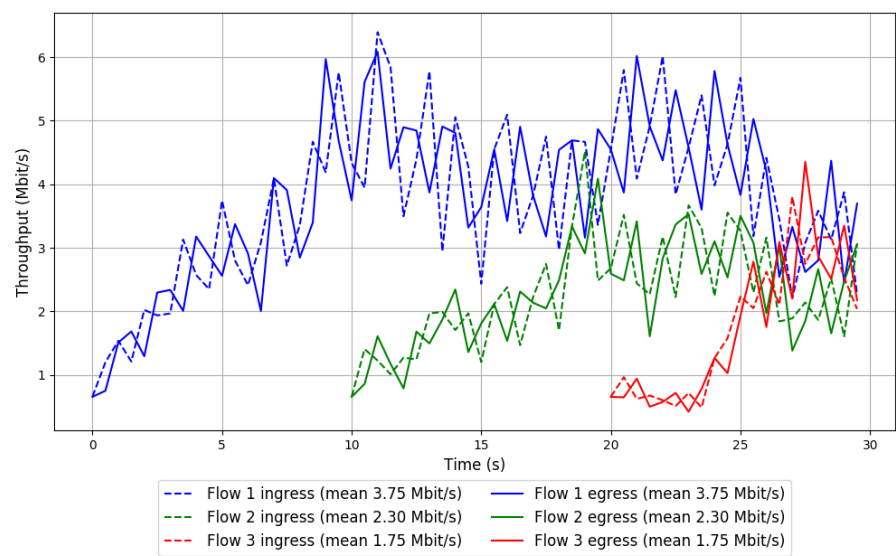
-- Flow 3:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 92.115 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

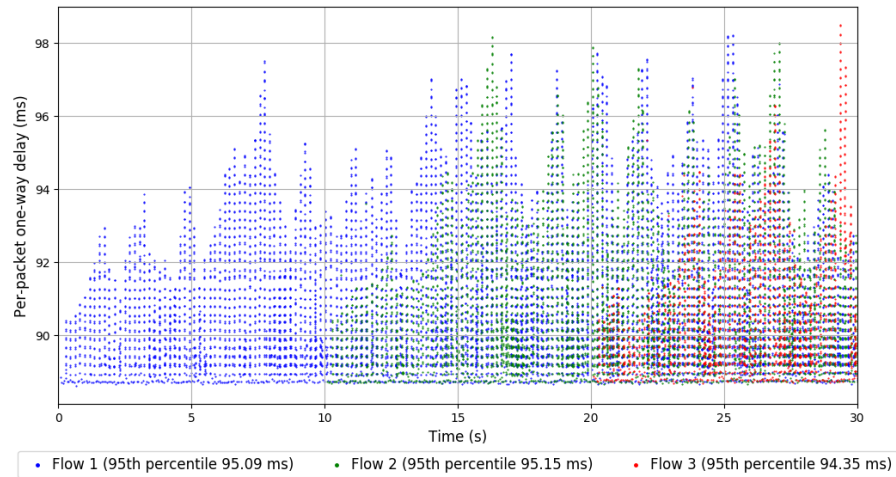
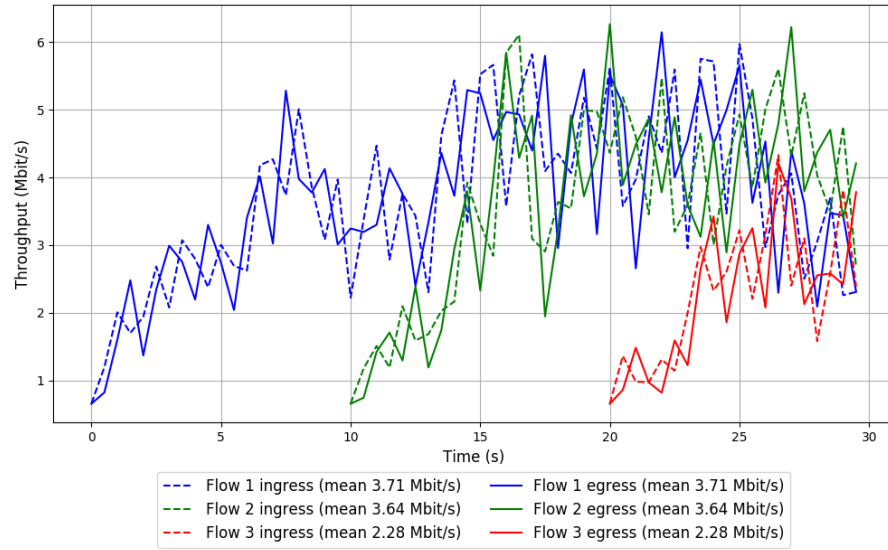


Run 2: Statistics of Sprout

Start at: 2018-02-13 18:07:35
End at: 2018-02-13 18:08:05
Local clock offset: -3.759 ms
Remote clock offset: 0.694 ms

```
# Below is generated by plot.py at 2018-02-13 21:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 95.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 95.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 95.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 94.352 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

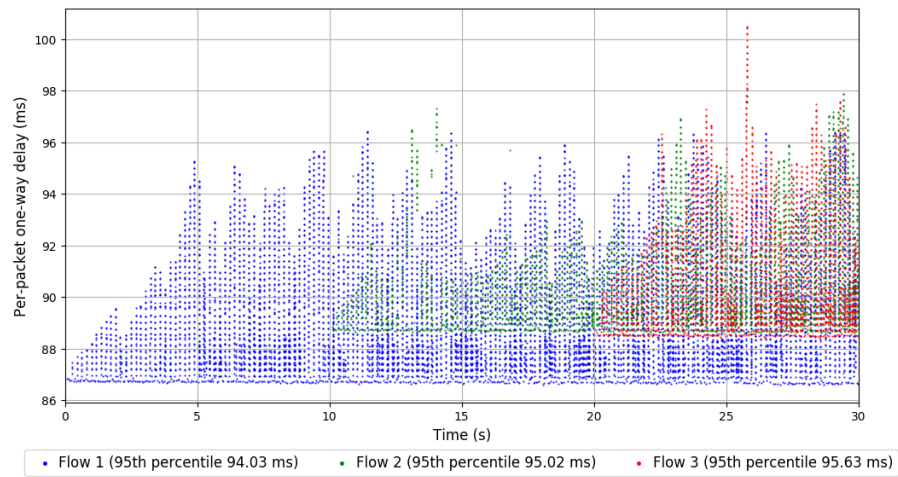
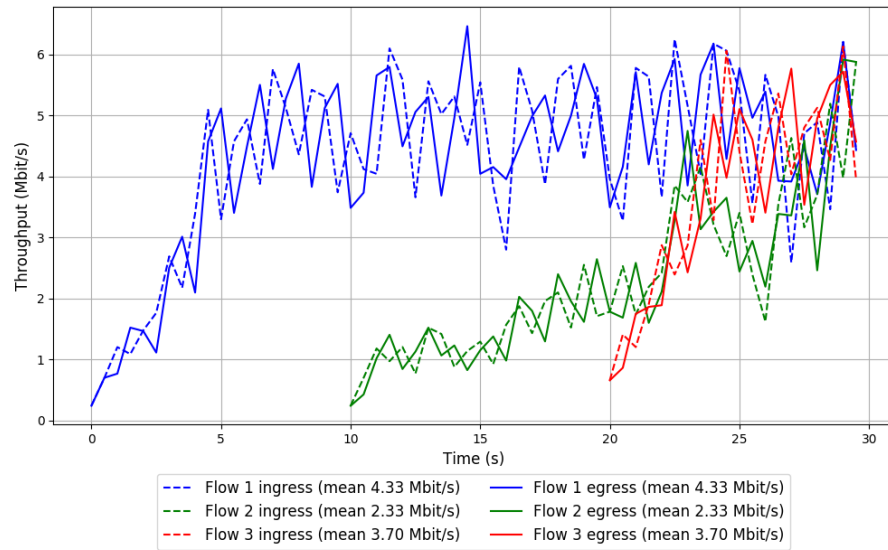


Run 3: Statistics of Sprout

Start at: 2018-02-13 18:31:13
End at: 2018-02-13 18:31:43
Local clock offset: -3.958 ms
Remote clock offset: 1.789 ms

```
# Below is generated by plot.py at 2018-02-13 21:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 94.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 94.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 95.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 95.629 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

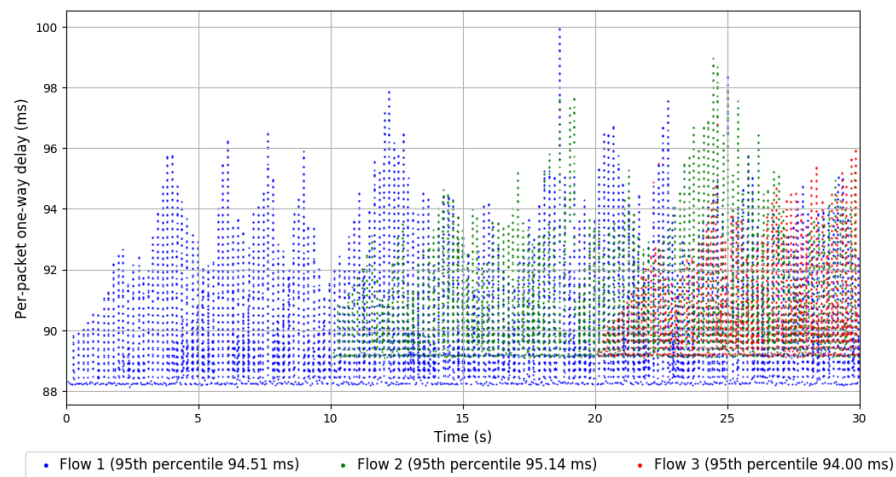
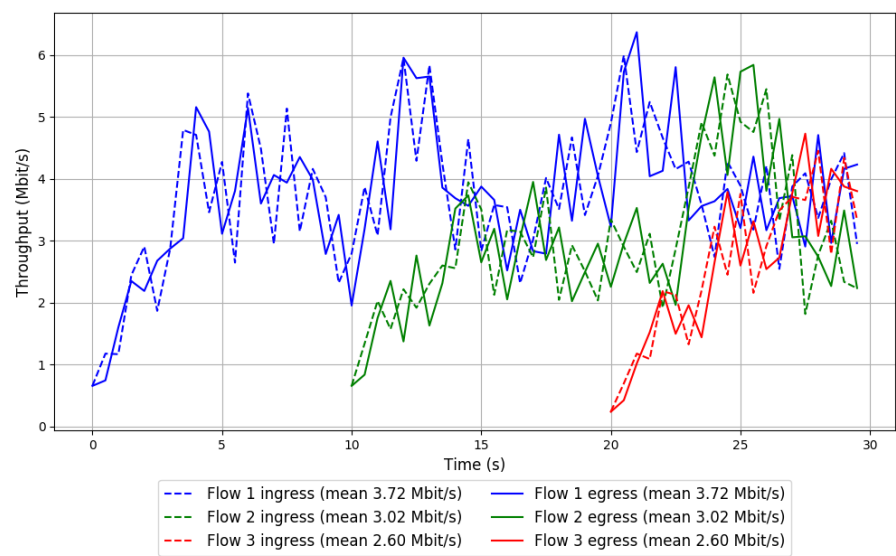


Run 4: Statistics of Sprout

Start at: 2018-02-13 18:54:48
End at: 2018-02-13 18:55:18
Local clock offset: -4.793 ms
Remote clock offset: 2.696 ms

```
# Below is generated by plot.py at 2018-02-13 21:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 94.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 94.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 95.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 93.999 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

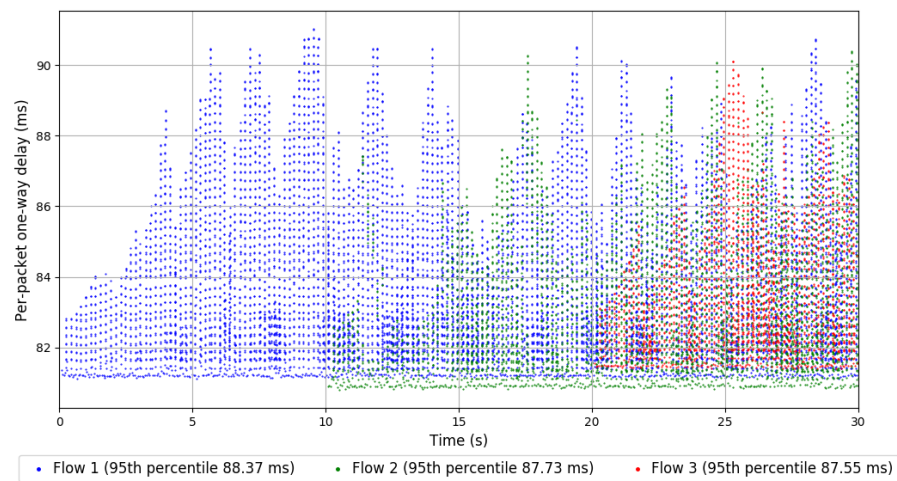
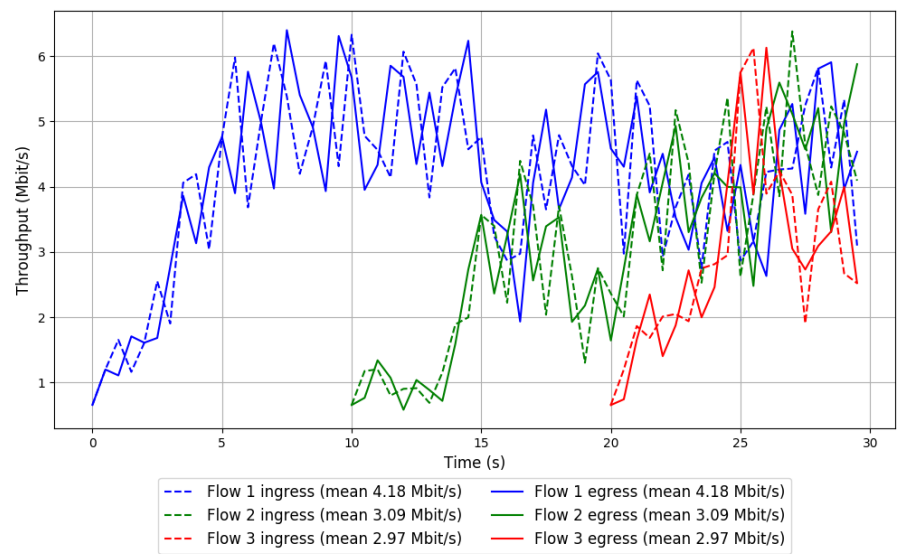


Run 5: Statistics of Sprout

Start at: 2018-02-13 19:18:31
End at: 2018-02-13 19:19:01
Local clock offset: -4.21 ms
Remote clock offset: -4.233 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 88.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 88.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 87.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 87.548 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

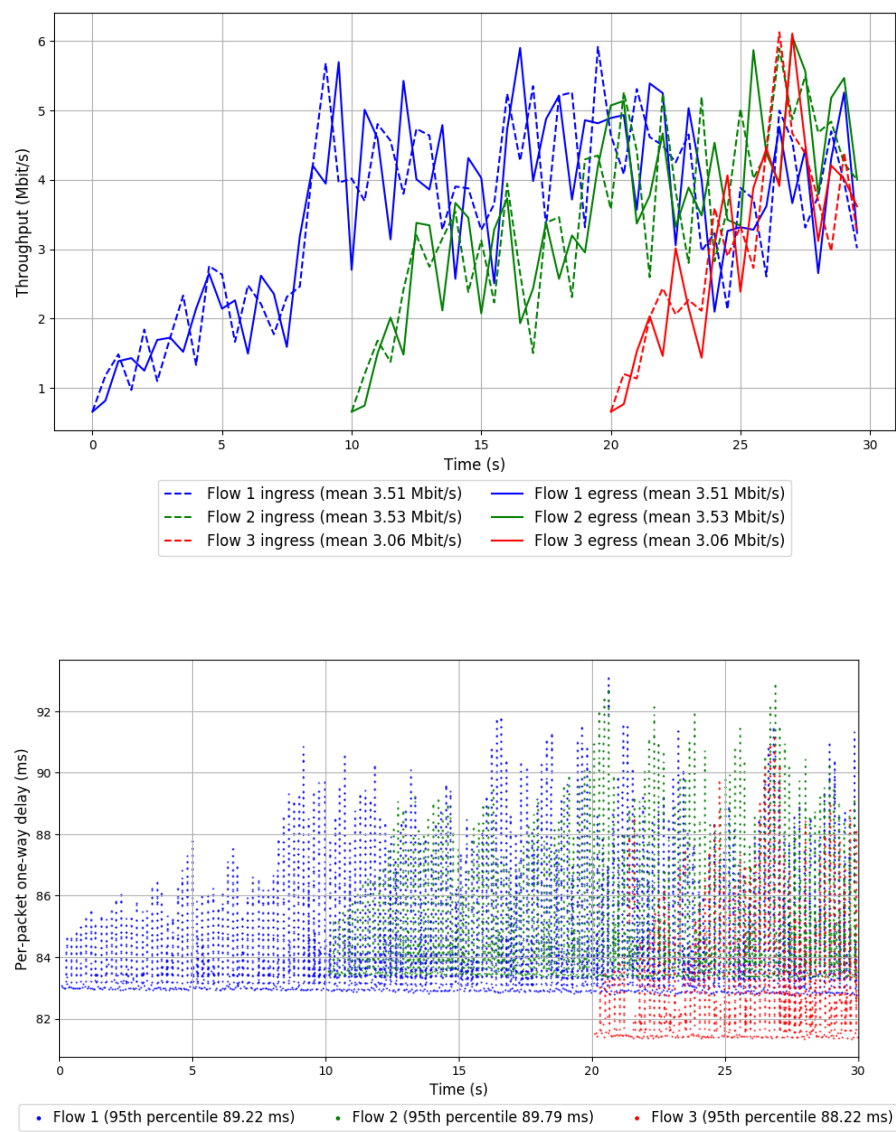


Run 6: Statistics of Sprout

Start at: 2018-02-13 19:42:11
End at: 2018-02-13 19:42:41
Local clock offset: -6.411 ms
Remote clock offset: 3.587 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 89.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 89.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 89.788 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 88.221 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

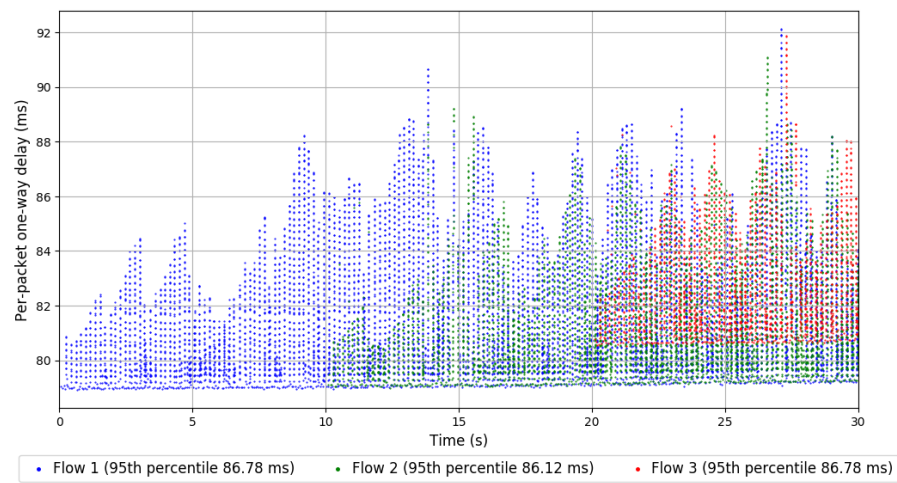
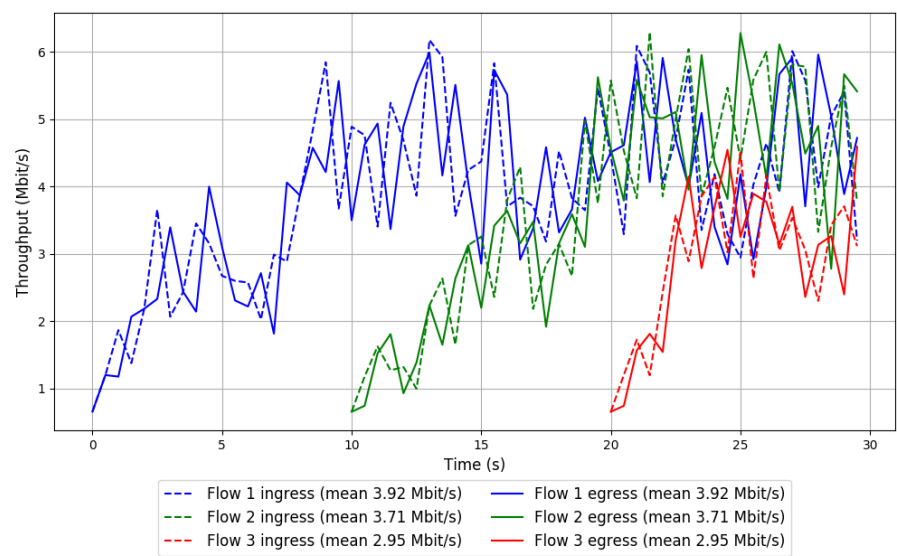


Run 7: Statistics of Sprout

Start at: 2018-02-13 20:05:58
End at: 2018-02-13 20:06:28
Local clock offset: -5.261 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 86.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 86.775 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-13 20:29:37

End at: 2018-02-13 20:30:07

Local clock offset: 14.8 ms

Remote clock offset: -4.89 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 68.779 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 68.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 69.199 ms

Loss rate: 0.00%

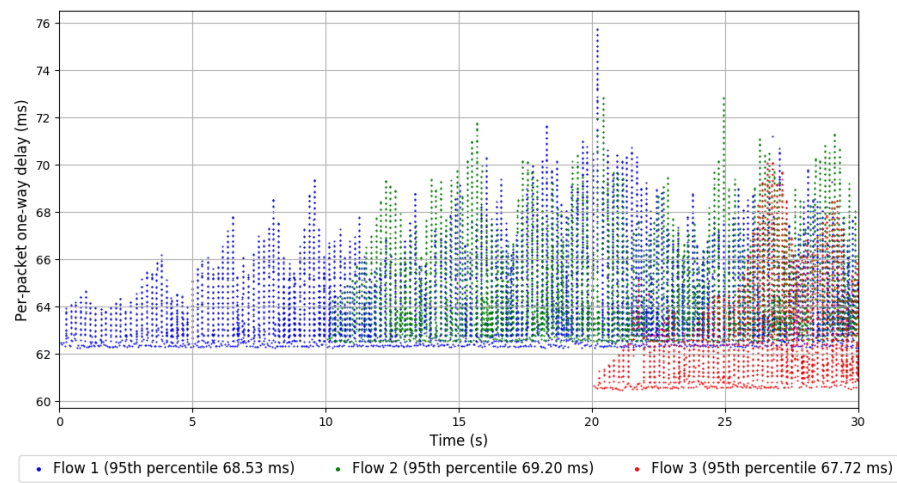
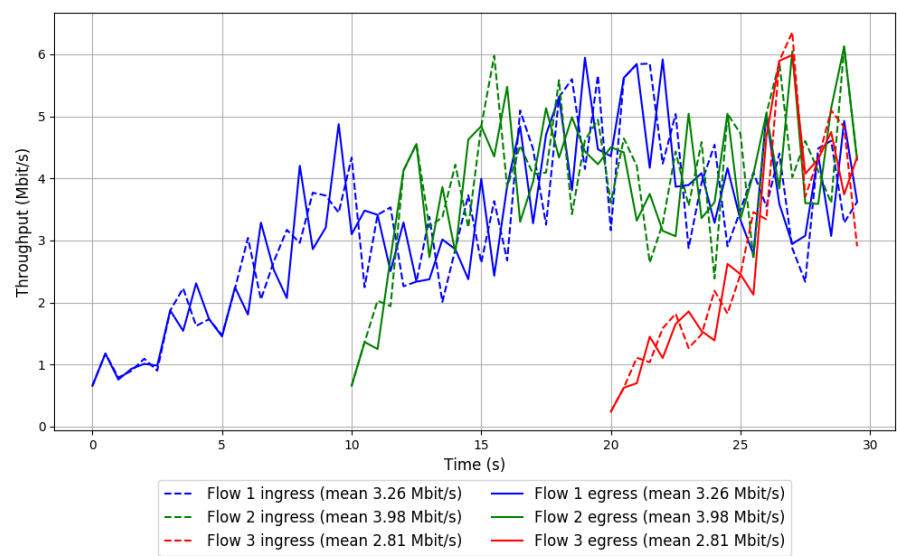
-- Flow 3:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 67.716 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

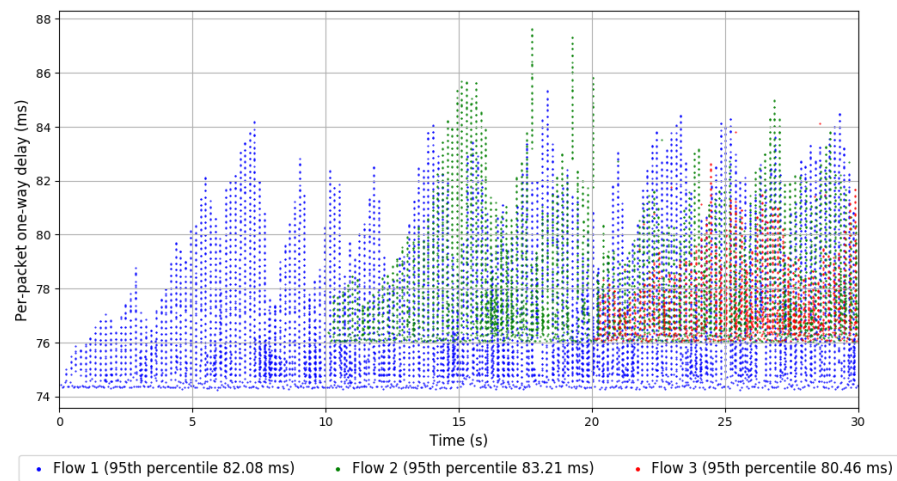
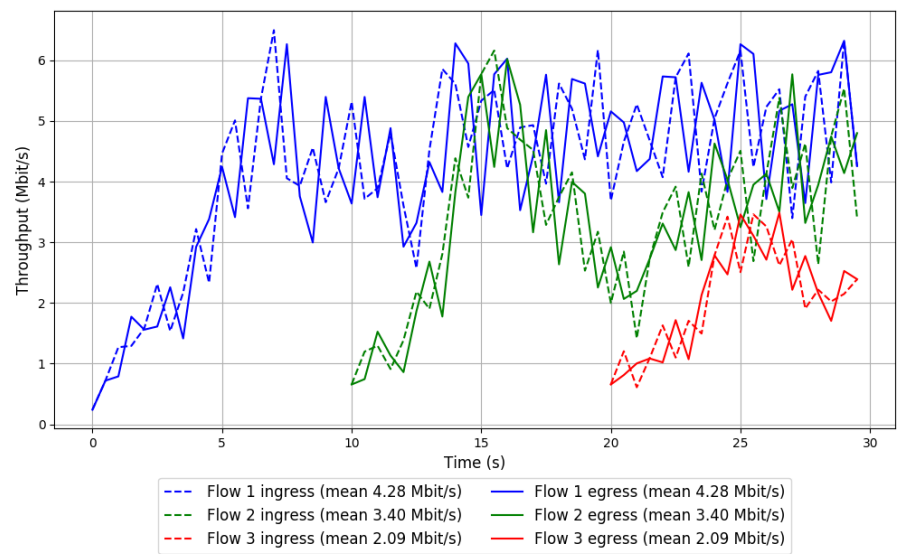


Run 9: Statistics of Sprout

Start at: 2018-02-13 20:53:13
End at: 2018-02-13 20:53:43
Local clock offset: 1.152 ms
Remote clock offset: -3.439 ms

Below is generated by plot.py at 2018-02-13 21:54:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 82.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 82.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 83.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 80.463 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-13 21:16:52

End at: 2018-02-13 21:17:22

Local clock offset: 1.276 ms

Remote clock offset: 1.294 ms

Below is generated by plot.py at 2018-02-13 21:54:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 87.406 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 87.388 ms

Loss rate: 0.00%

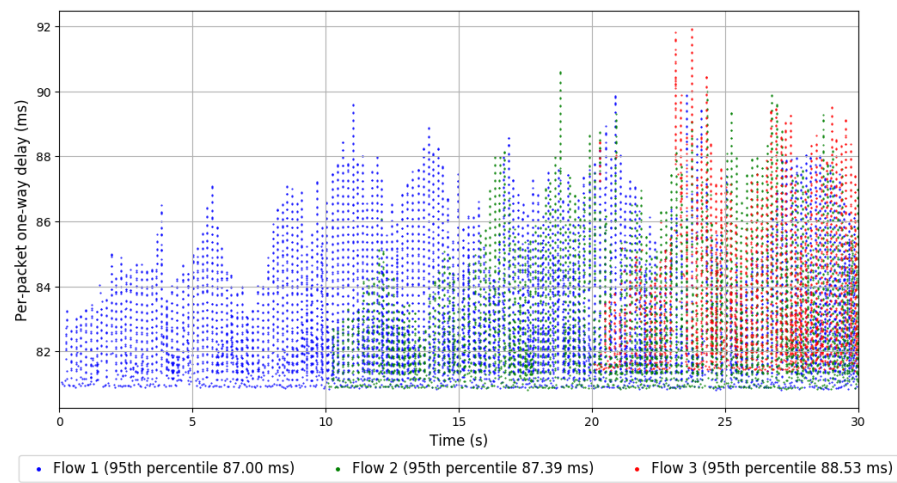
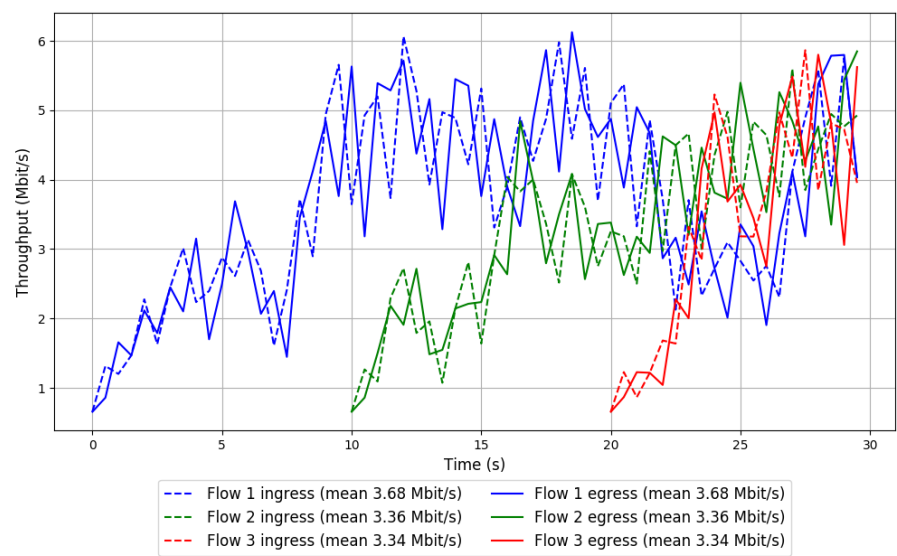
-- Flow 3:

Average throughput: 3.34 Mbit/s

95th percentile per-packet one-way delay: 88.526 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

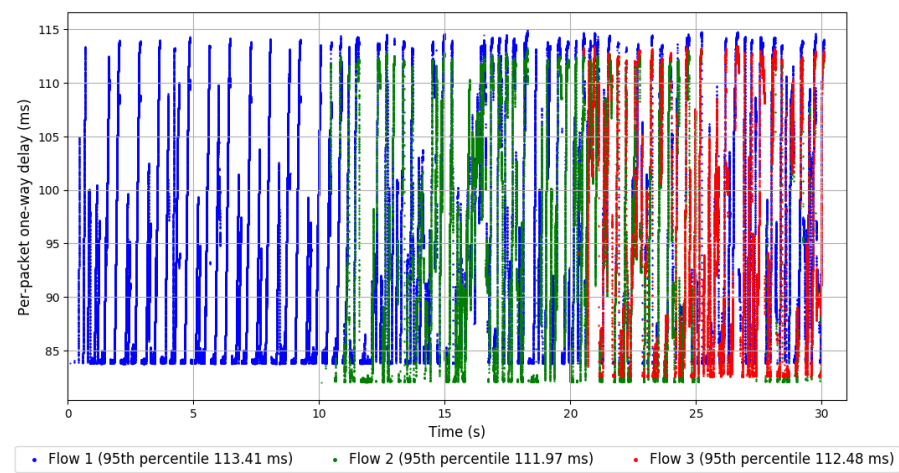
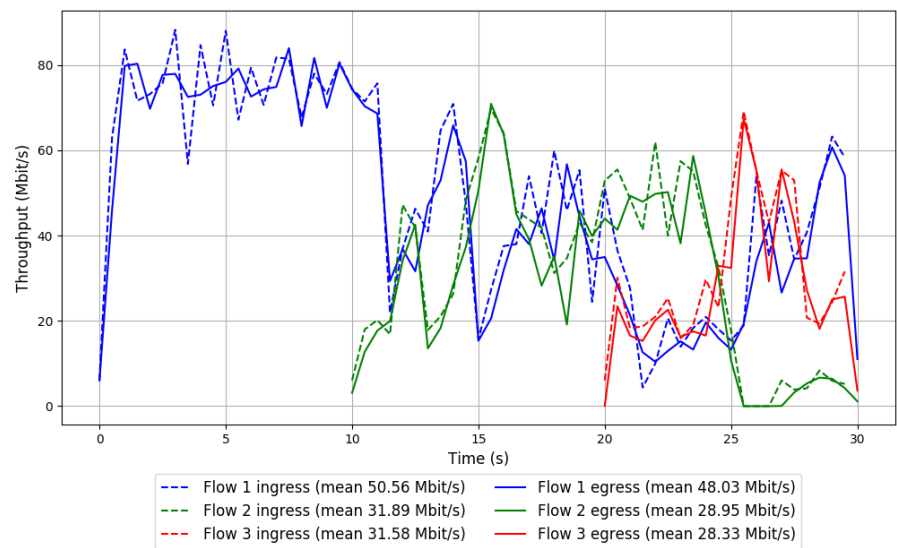


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-13 17:42:38
End at: 2018-02-13 17:43:08
Local clock offset: -6.534 ms
Remote clock offset: -4.057 ms

Below is generated by plot.py at 2018-02-13 21:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 113.413 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 111.968 ms
Loss rate: 9.08%
-- Flow 3:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 112.481 ms
Loss rate: 10.19%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-13 18:06:14

End at: 2018-02-13 18:06:44

Local clock offset: -3.787 ms

Remote clock offset: 0.598 ms

Below is generated by plot.py at 2018-02-13 21:55:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 117.999 ms

Loss rate: 7.20%

-- Flow 1:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 116.802 ms

Loss rate: 5.30%

-- Flow 2:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 118.451 ms

Loss rate: 8.35%

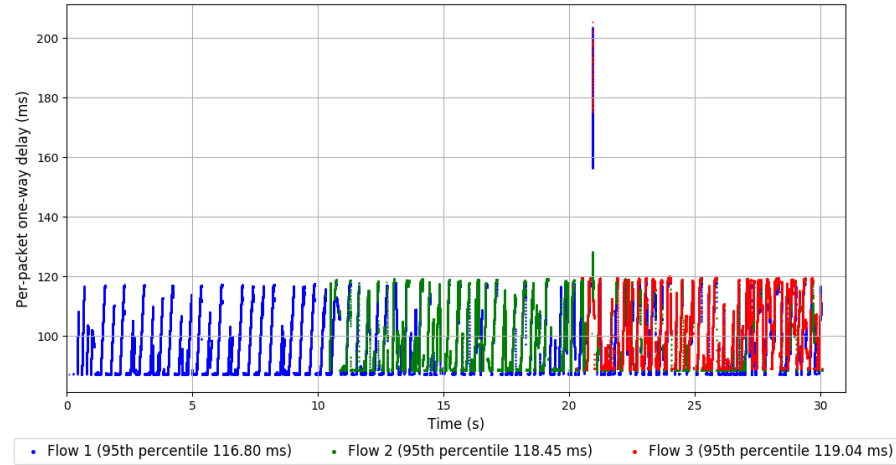
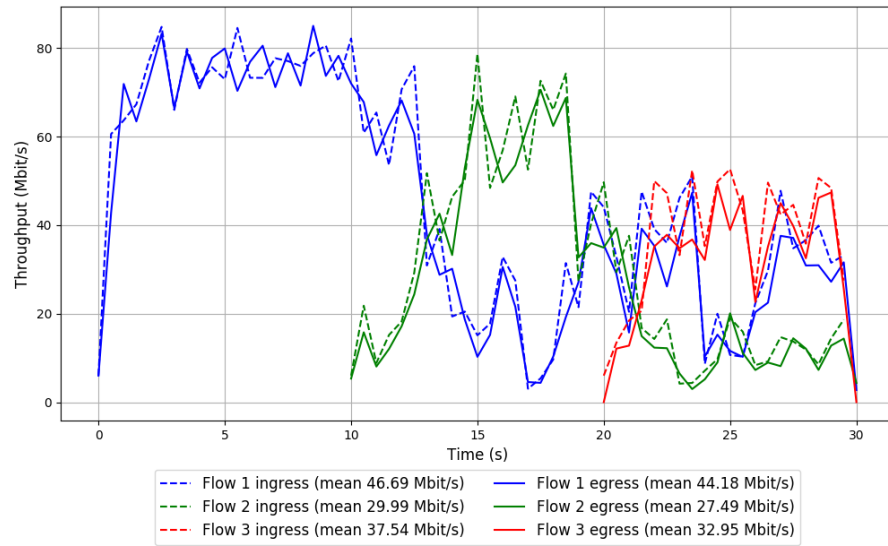
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 119.040 ms

Loss rate: 12.46%

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

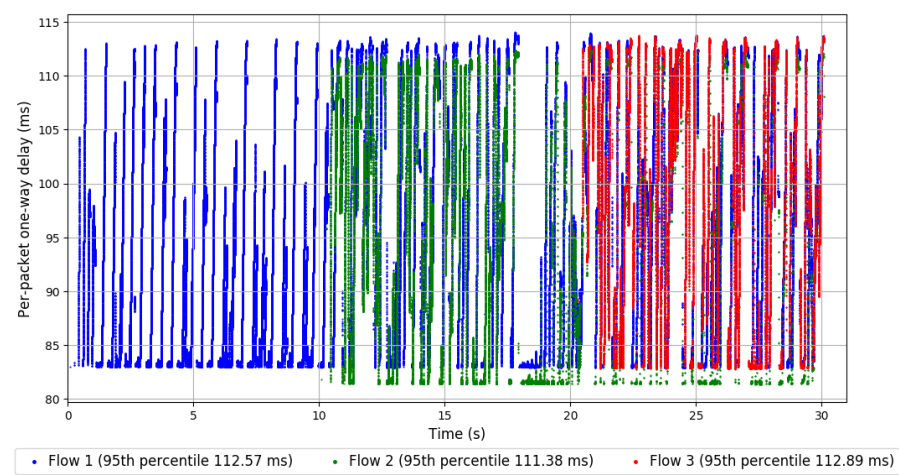
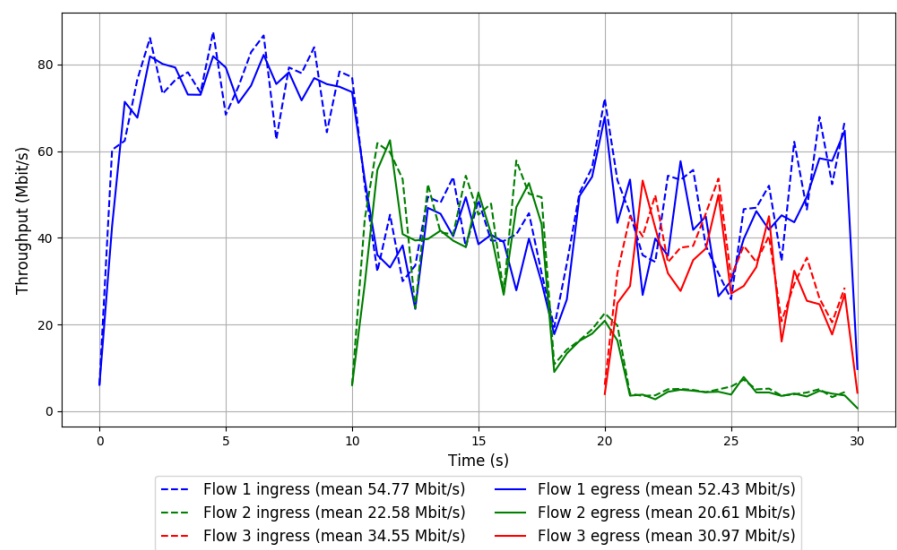


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-13 18:29:51
End at: 2018-02-13 18:30:21
Local clock offset: -3.844 ms
Remote clock offset: -3.989 ms

Below is generated by plot.py at 2018-02-13 21:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 112.534 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 112.566 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 111.381 ms
Loss rate: 8.58%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 112.892 ms
Loss rate: 10.20%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 18:53:26

End at: 2018-02-13 18:53:56

Local clock offset: -4.736 ms

Remote clock offset: -3.72 ms

Below is generated by plot.py at 2018-02-13 21:55:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.91 Mbit/s

95th percentile per-packet one-way delay: 111.945 ms

Loss rate: 6.25%

-- Flow 1:

Average throughput: 47.20 Mbit/s

95th percentile per-packet one-way delay: 110.870 ms

Loss rate: 4.06%

-- Flow 2:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 8.82%

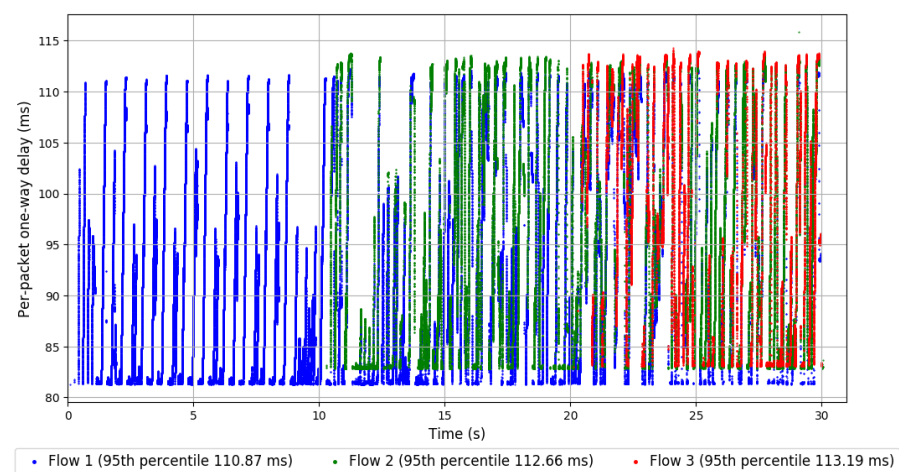
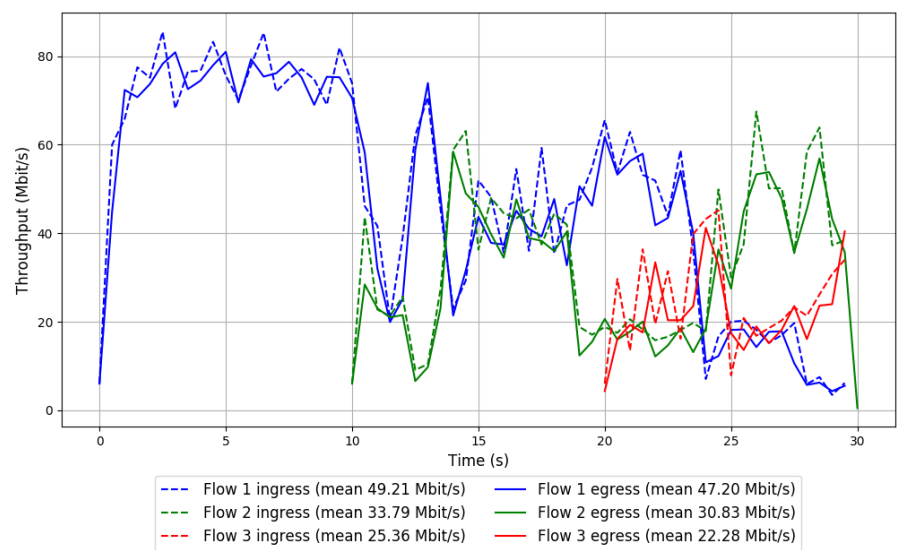
-- Flow 3:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 113.193 ms

Loss rate: 12.15%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-13 19:17:10

End at: 2018-02-13 19:17:40

Local clock offset: -4.173 ms

Remote clock offset: 1.491 ms

Below is generated by plot.py at 2018-02-13 21:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.04 Mbit/s

95th percentile per-packet one-way delay: 117.145 ms

Loss rate: 7.34%

-- Flow 1:

Average throughput: 49.42 Mbit/s

95th percentile per-packet one-way delay: 117.131 ms

Loss rate: 5.32%

-- Flow 2:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 117.213 ms

Loss rate: 10.10%

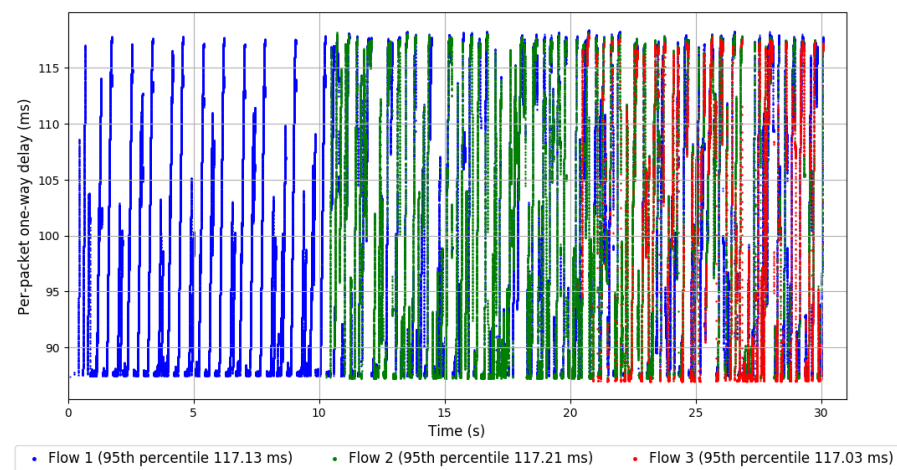
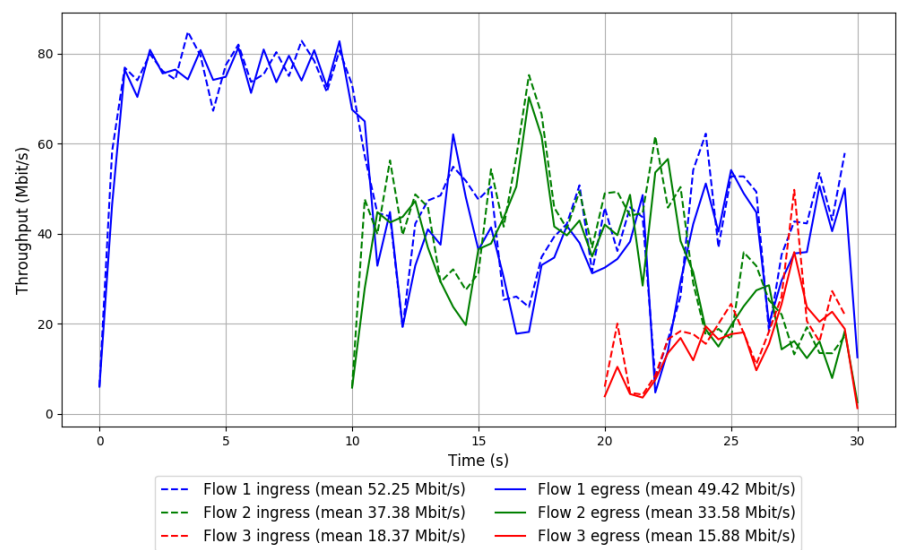
-- Flow 3:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 117.028 ms

Loss rate: 13.33%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-13 19:40:49

End at: 2018-02-13 19:41:20

Local clock offset: -6.132 ms

Remote clock offset: 2.499 ms

Below is generated by plot.py at 2018-02-13 21:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.59 Mbit/s

95th percentile per-packet one-way delay: 110.887 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 44.17 Mbit/s

95th percentile per-packet one-way delay: 110.535 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 22.54 Mbit/s

95th percentile per-packet one-way delay: 112.811 ms

Loss rate: 6.89%

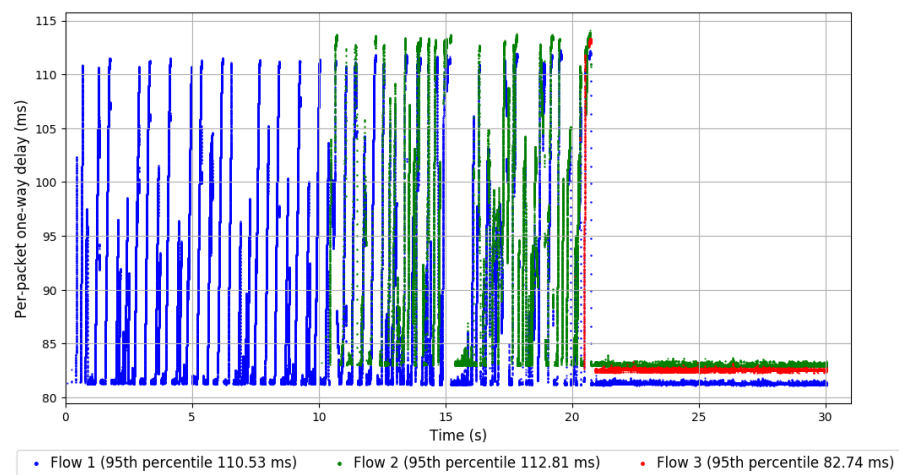
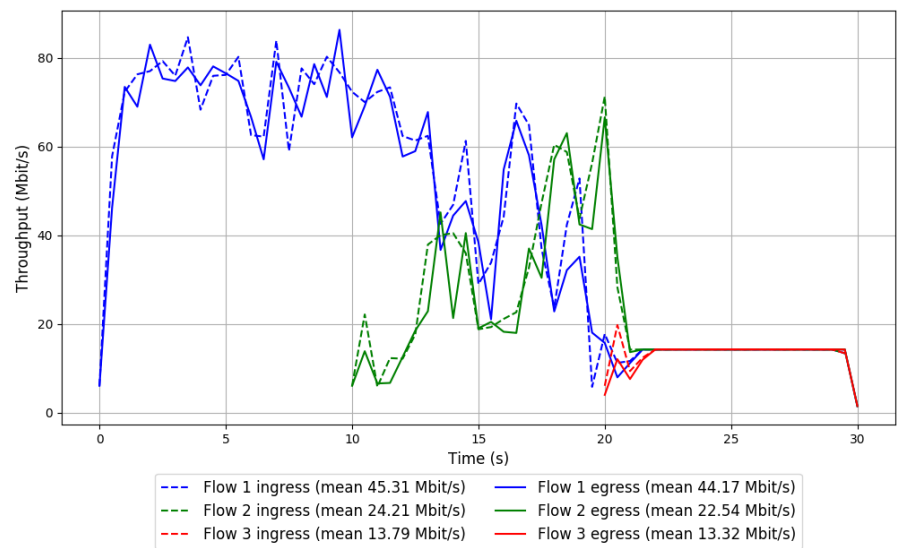
-- Flow 3:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 82.744 ms

Loss rate: 3.52%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 20:04:37

End at: 2018-02-13 20:05:07

Local clock offset: -6.923 ms

Remote clock offset: 6.251 ms

Below is generated by plot.py at 2018-02-13 21:56:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 117.871 ms

Loss rate: 5.86%

-- Flow 1:

Average throughput: 44.53 Mbit/s

95th percentile per-packet one-way delay: 117.682 ms

Loss rate: 4.46%

-- Flow 2:

Average throughput: 41.52 Mbit/s

95th percentile per-packet one-way delay: 118.125 ms

Loss rate: 6.95%

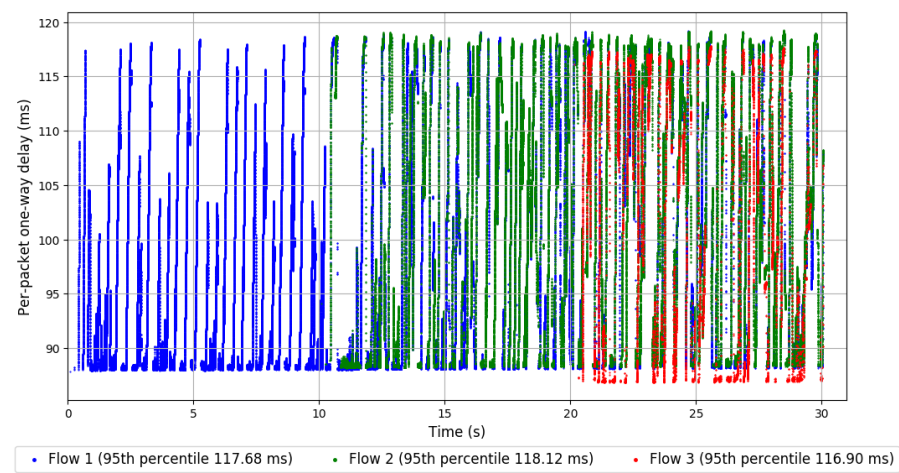
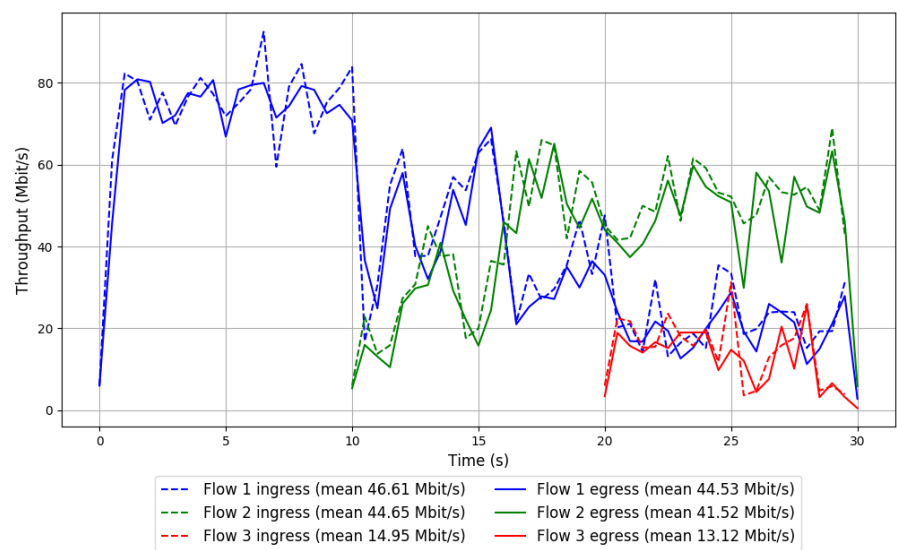
-- Flow 3:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 116.902 ms

Loss rate: 12.47%

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

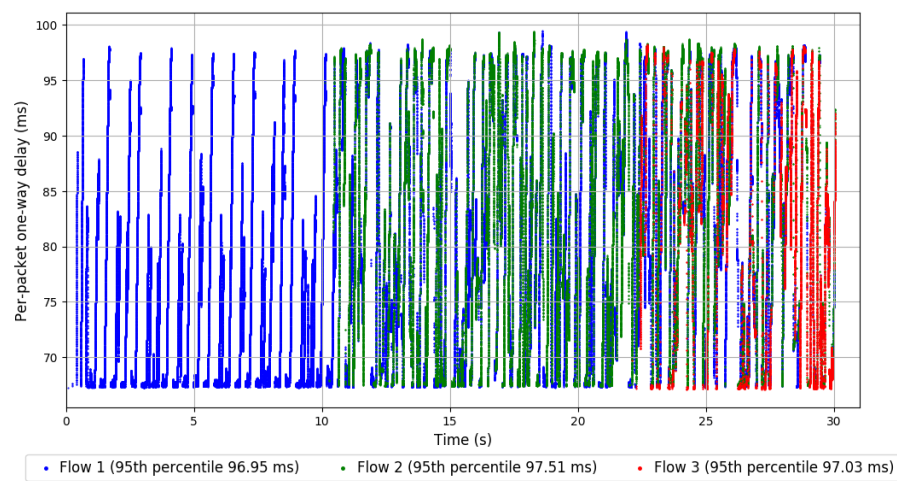
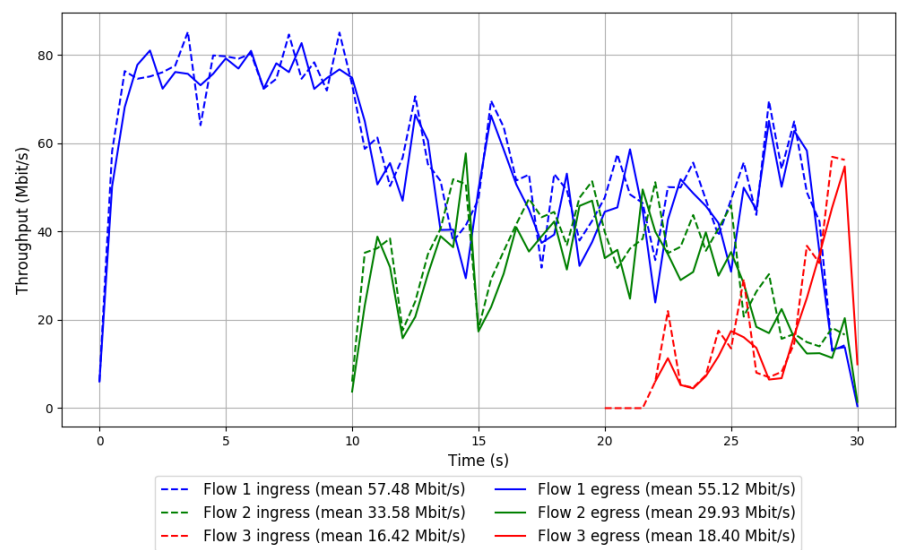


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 20:28:15
End at: 2018-02-13 20:28:45
Local clock offset: 14.83 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-02-13 21:56:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 97.138 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 96.949 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 97.510 ms
Loss rate: 10.87%
-- Flow 3:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 97.026 ms
Loss rate: 10.28%

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

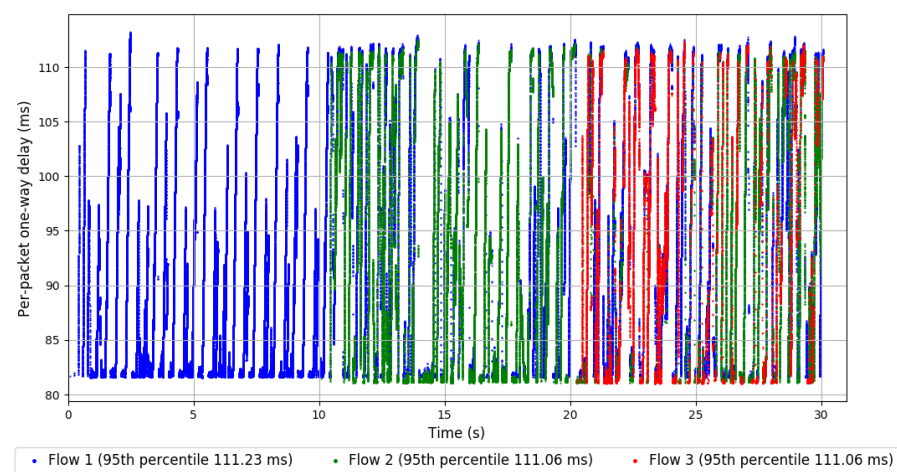
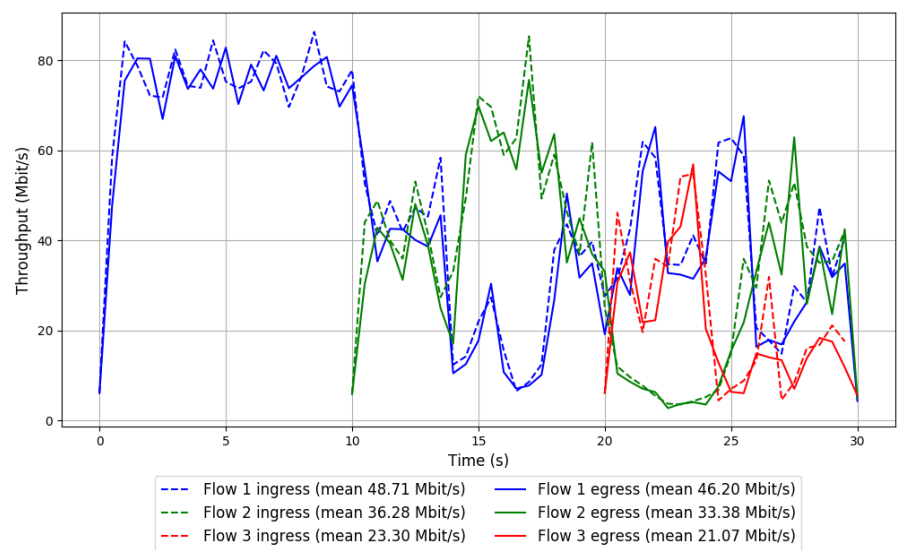


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 20:51:51
End at: 2018-02-13 20:52:21
Local clock offset: -5.623 ms
Remote clock offset: -3.594 ms

Below is generated by plot.py at 2018-02-13 21:57:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 111.158 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 111.056 ms
Loss rate: 7.86%
-- Flow 3:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 111.061 ms
Loss rate: 9.58%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 21:15:29

End at: 2018-02-13 21:16:00

Local clock offset: -5.562 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2018-02-13 21:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.71 Mbit/s

95th percentile per-packet one-way delay: 117.272 ms

Loss rate: 5.83%

-- Flow 1:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 116.443 ms

Loss rate: 4.31%

-- Flow 2:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 117.792 ms

Loss rate: 7.97%

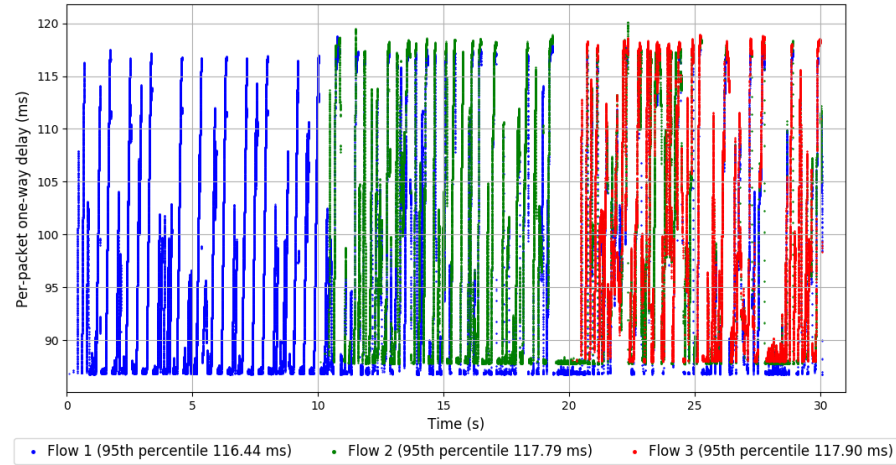
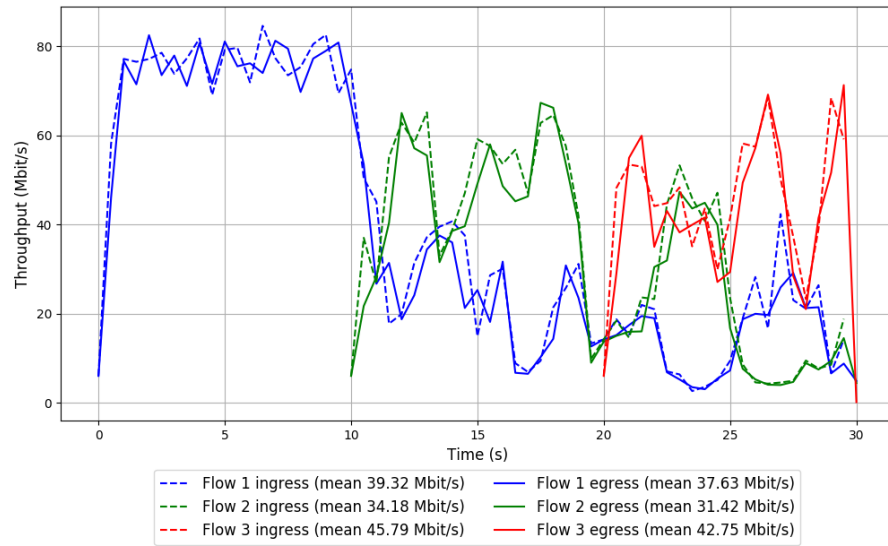
-- Flow 3:

Average throughput: 42.75 Mbit/s

95th percentile per-packet one-way delay: 117.899 ms

Loss rate: 6.55%

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

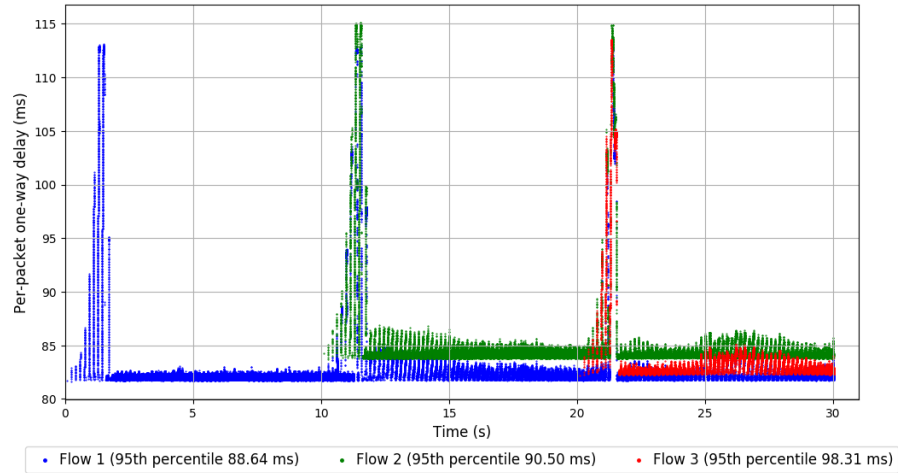
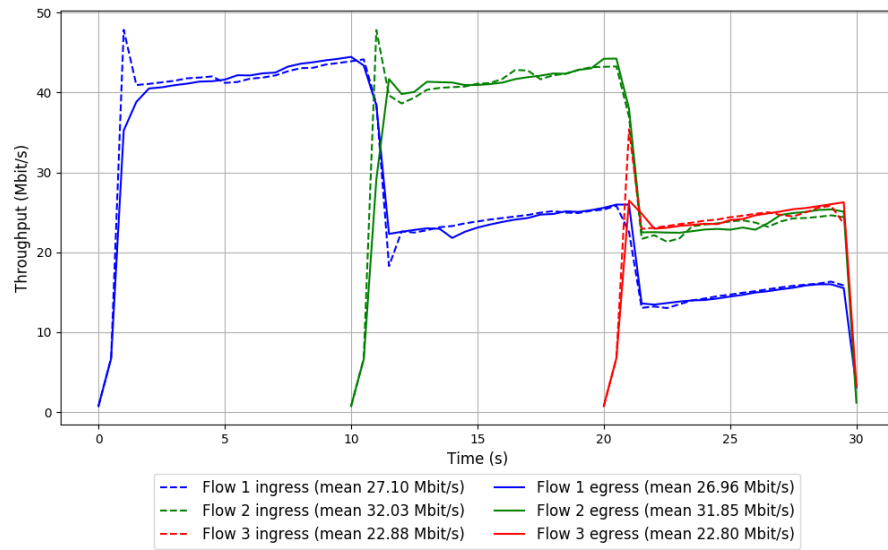


Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 17:35:59
End at: 2018-02-13 17:36:29
Local clock offset: -6.659 ms
Remote clock offset: -4.027 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 90.708 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 88.640 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 90.504 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 98.308 ms
Loss rate: 0.38%

Run 1: Report of TCP Vegas — Data Link

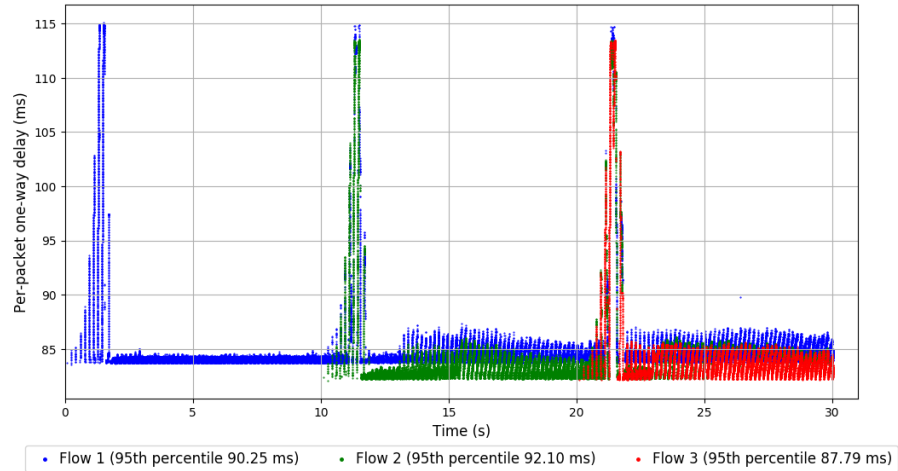
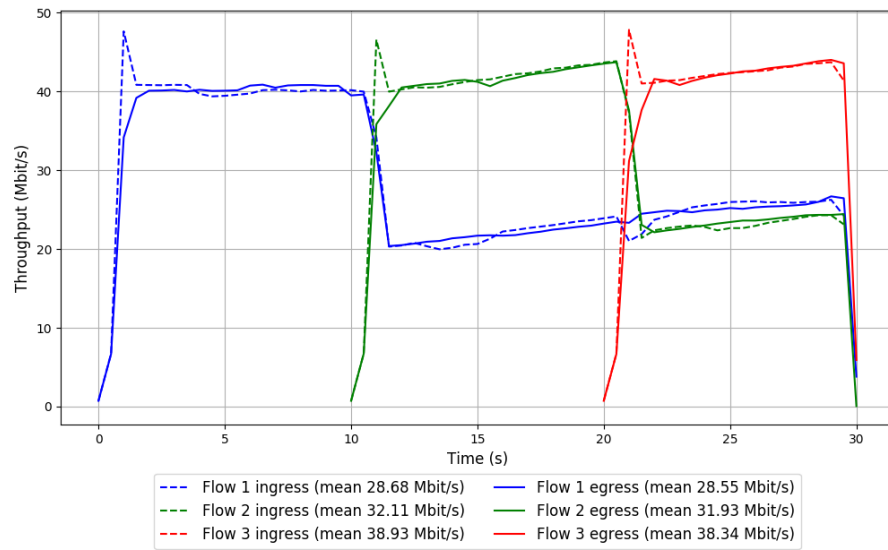


Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 17:59:38
End at: 2018-02-13 18:00:08
Local clock offset: -4.48 ms
Remote clock offset: -4.112 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 90.336 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 90.254 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 92.098 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 87.788 ms
Loss rate: 1.51%

Run 2: Report of TCP Vegas — Data Link

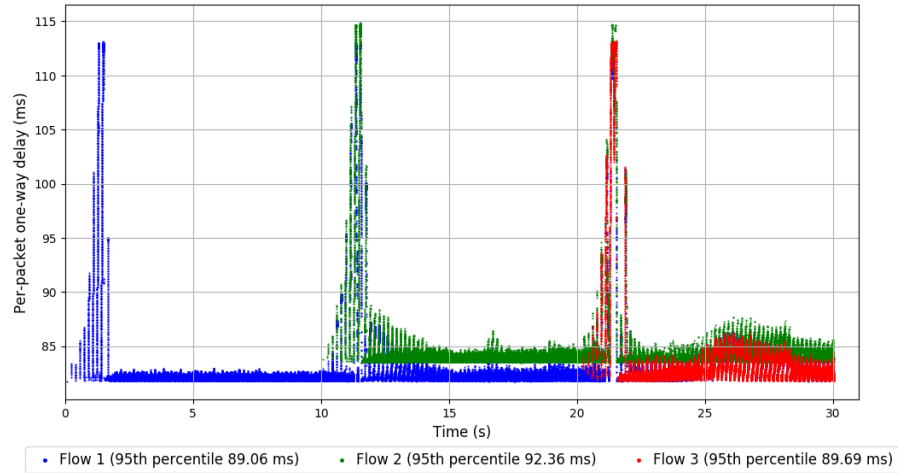
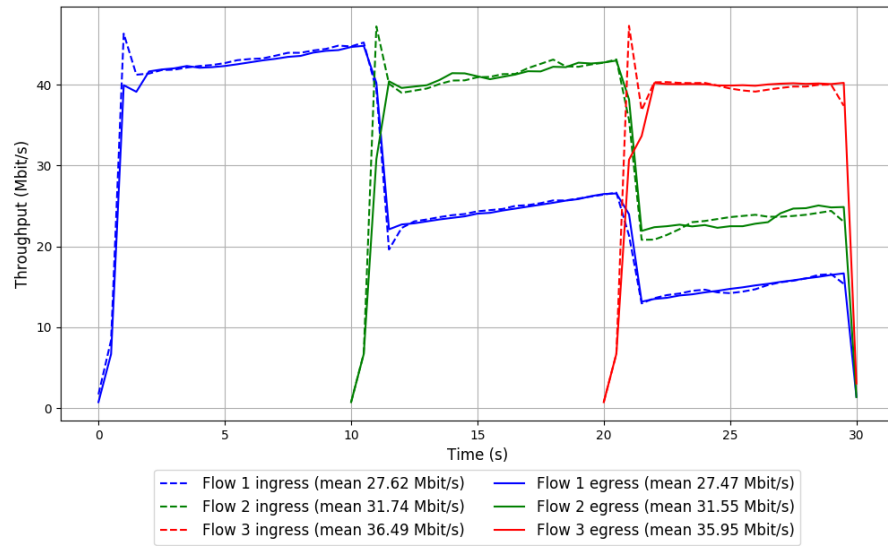


Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 18:23:11
End at: 2018-02-13 18:23:41
Local clock offset: -2.763 ms
Remote clock offset: -3.534 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 89.960 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 89.057 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 92.359 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 89.686 ms
Loss rate: 1.48%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 18:46:50

End at: 2018-02-13 18:47:20

Local clock offset: -4.682 ms

Remote clock offset: 2.11 ms

Below is generated by plot.py at 2018-02-13 21:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.96 Mbit/s

95th percentile per-packet one-way delay: 98.596 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 96.874 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 17.72 Mbit/s

95th percentile per-packet one-way delay: 106.891 ms

Loss rate: 1.49%

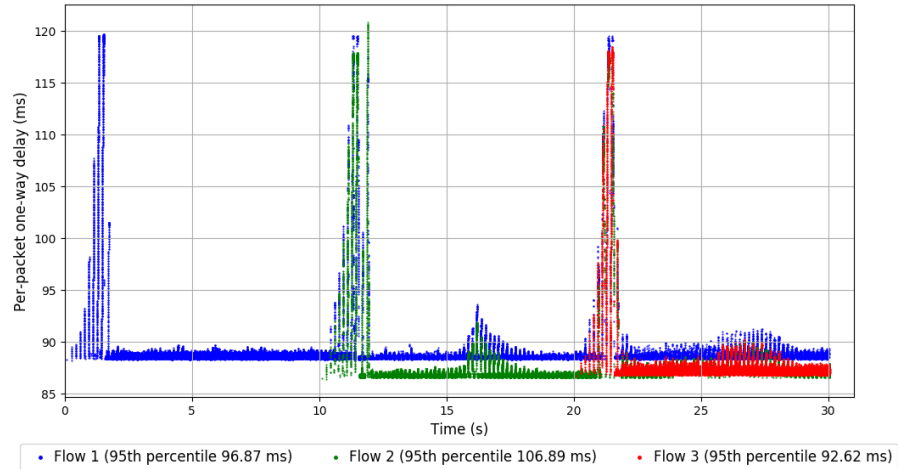
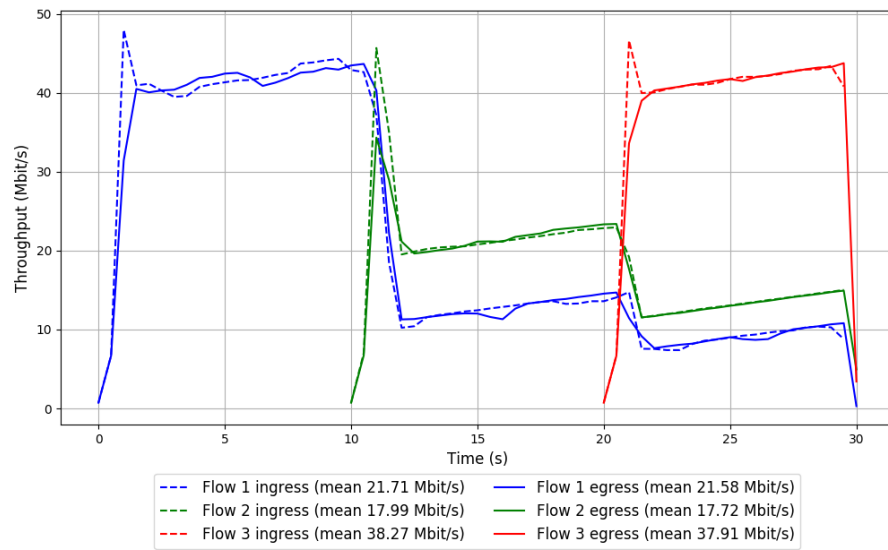
-- Flow 3:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 92.617 ms

Loss rate: 0.95%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 19:10:34

End at: 2018-02-13 19:11:04

Local clock offset: -4.301 ms

Remote clock offset: 1.494 ms

Below is generated by plot.py at 2018-02-13 21:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 94.025 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 94.825 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 92.962 ms

Loss rate: 0.59%

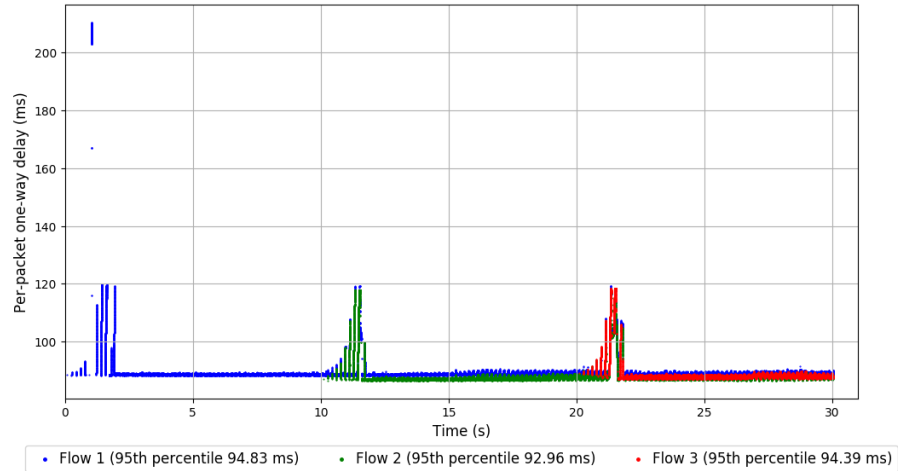
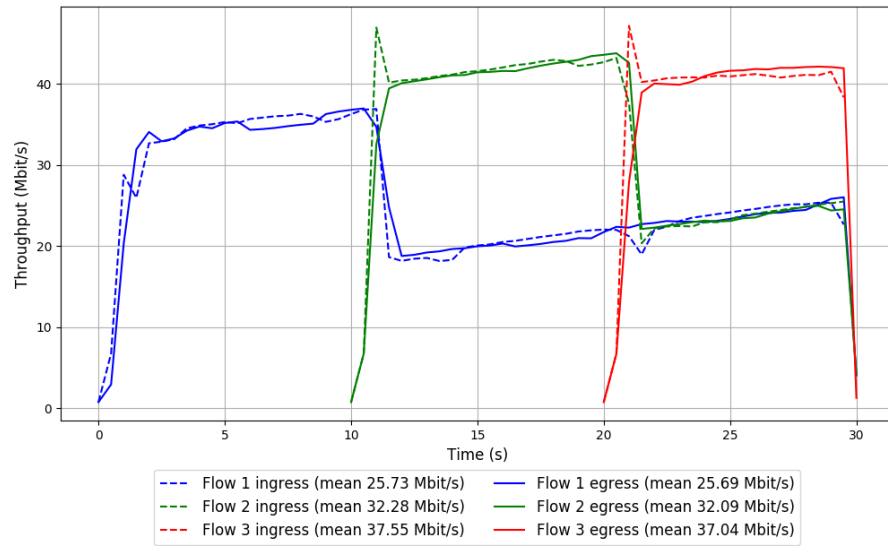
-- Flow 3:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 94.393 ms

Loss rate: 1.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 19:34:11

End at: 2018-02-13 19:34:41

Local clock offset: -4.489 ms

Remote clock offset: 1.7 ms

Below is generated by plot.py at 2018-02-13 21:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 91.968 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 90.993 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 94.413 ms

Loss rate: 0.60%

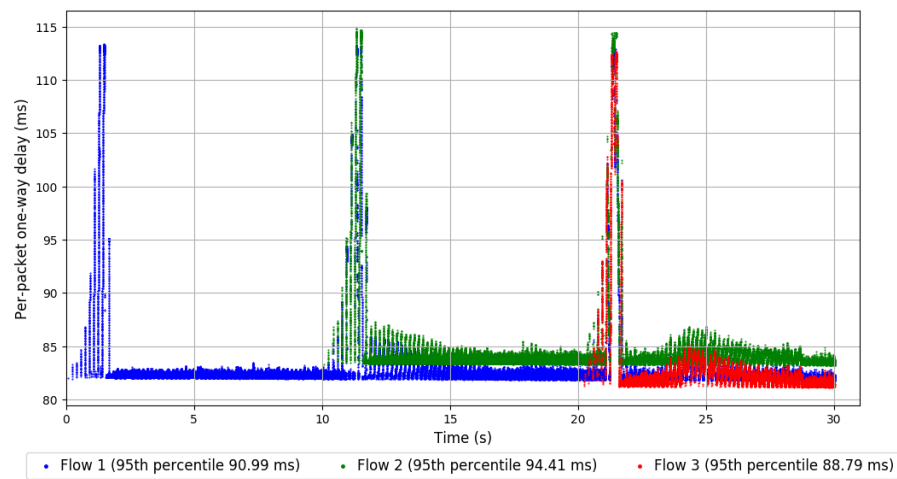
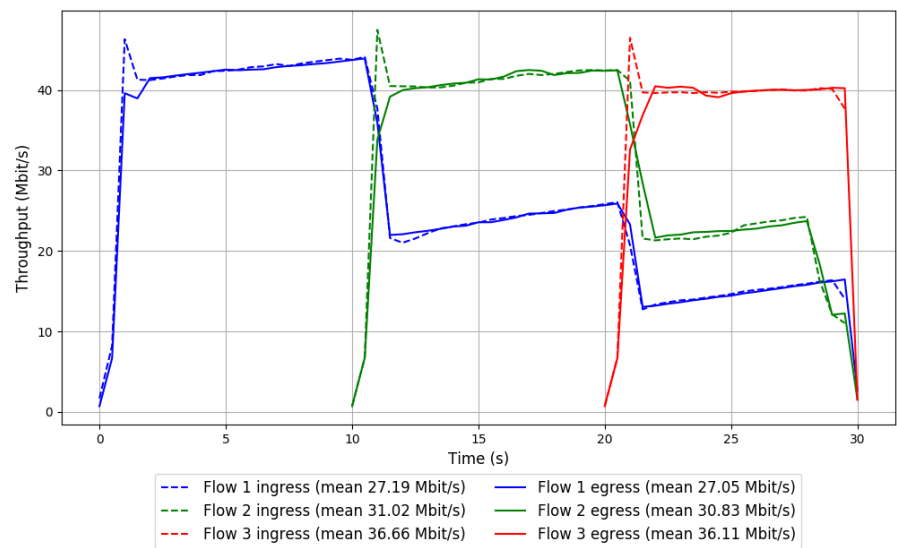
-- Flow 3:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 88.789 ms

Loss rate: 1.50%

Run 6: Report of TCP Vegas — Data Link

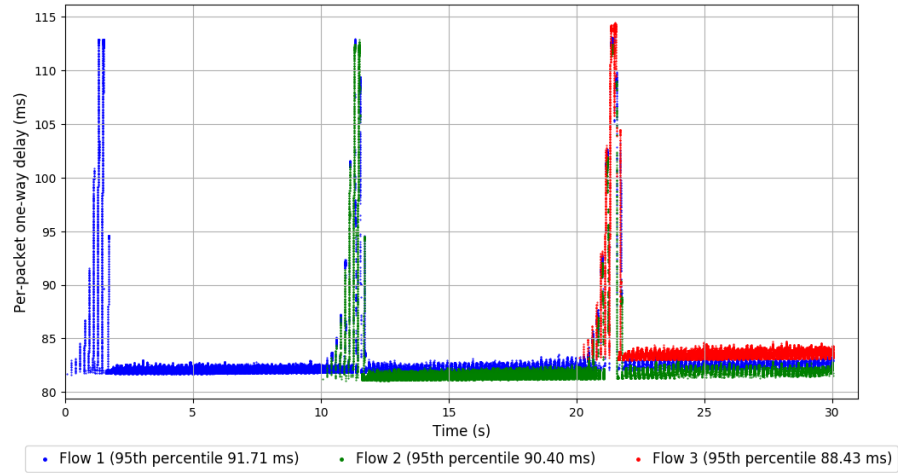
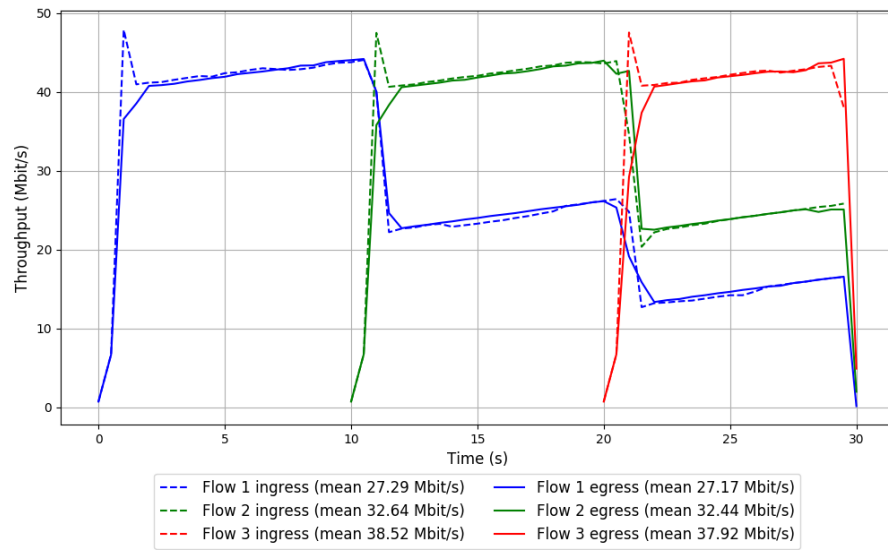


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 19:58:01
End at: 2018-02-13 19:58:31
Local clock offset: -8.105 ms
Remote clock offset: 4.841 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 91.113 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 91.710 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 90.396 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 88.433 ms
Loss rate: 1.55%

Run 7: Report of TCP Vegas — Data Link

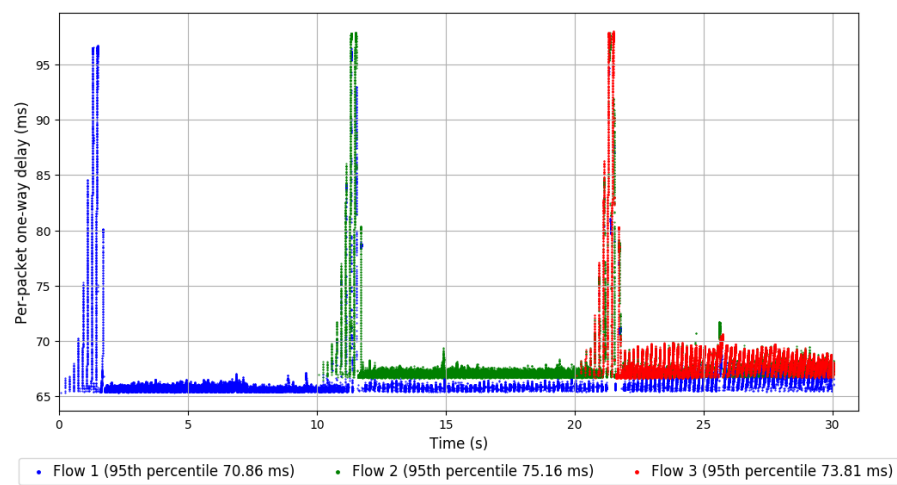
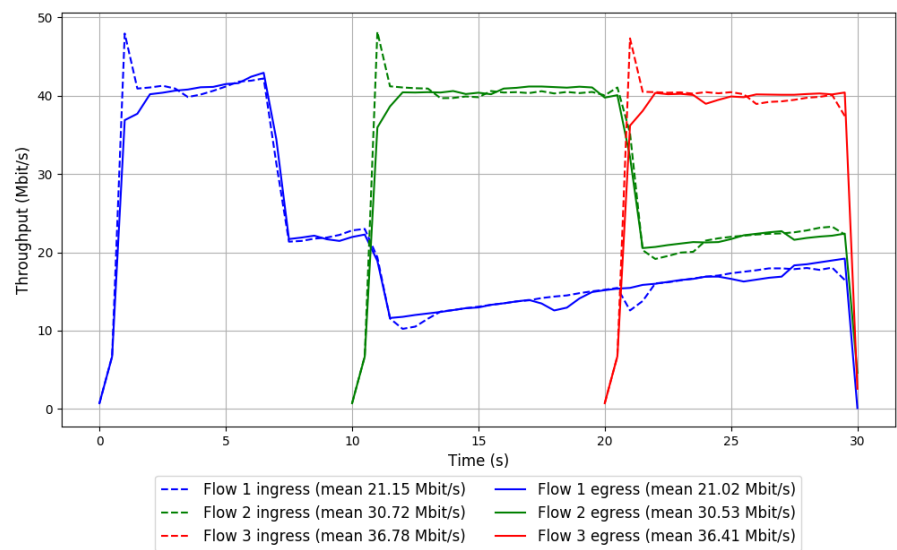


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 20:21:38
End at: 2018-02-13 20:22:08
Local clock offset: 10.633 ms
Remote clock offset: -4.172 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 72.865 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 70.857 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 75.156 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 73.815 ms
Loss rate: 1.00%

Run 8: Report of TCP Vegas — Data Link

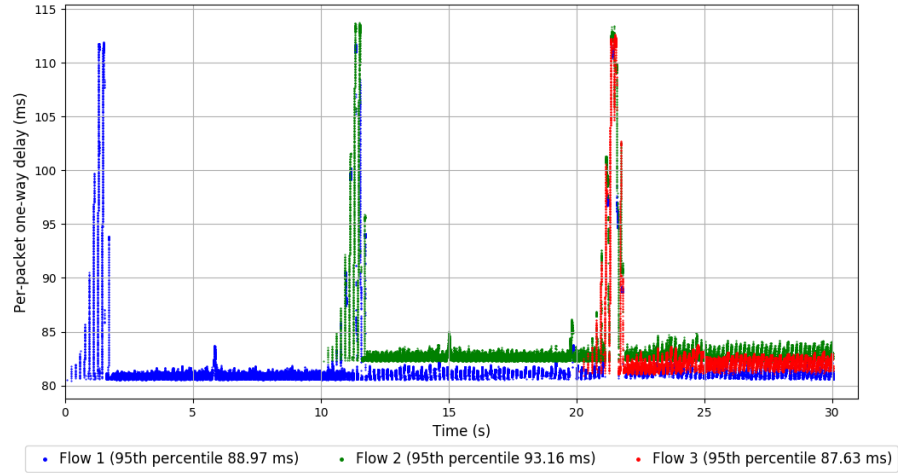
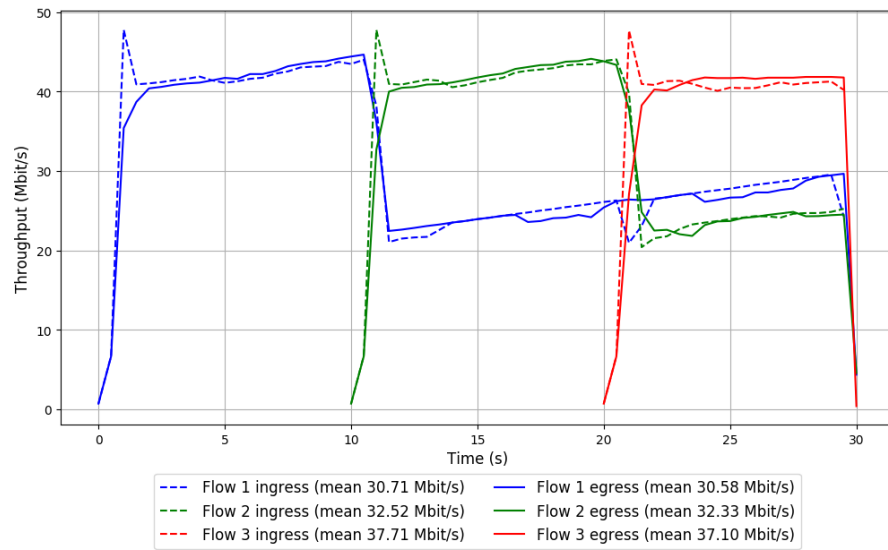


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 20:45:13
End at: 2018-02-13 20:45:43
Local clock offset: -4.704 ms
Remote clock offset: -3.002 ms

Below is generated by plot.py at 2018-02-13 21:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 90.288 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 88.971 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 93.155 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 87.630 ms
Loss rate: 1.63%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 21:08:53

End at: 2018-02-13 21:09:23

Local clock offset: -3.63 ms

Remote clock offset: 2.96 ms

Below is generated by plot.py at 2018-02-13 21:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 97.179 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 26.67 Mbit/s

95th percentile per-packet one-way delay: 97.594 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 97.365 ms

Loss rate: 0.67%

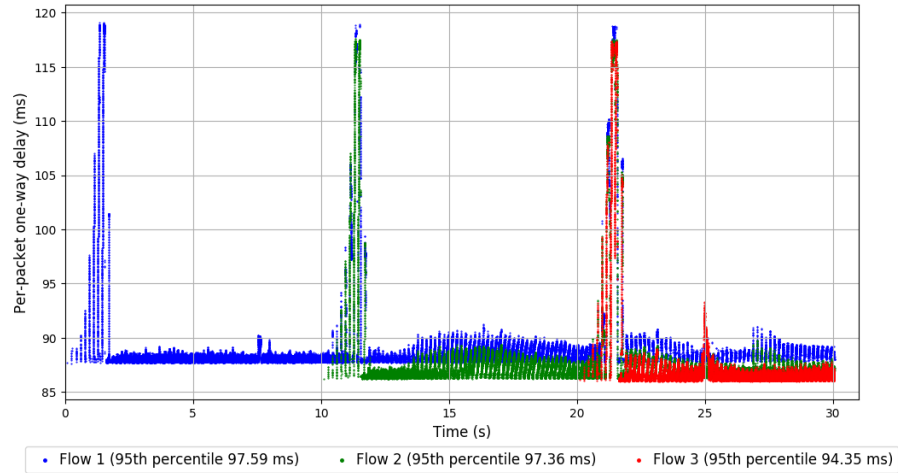
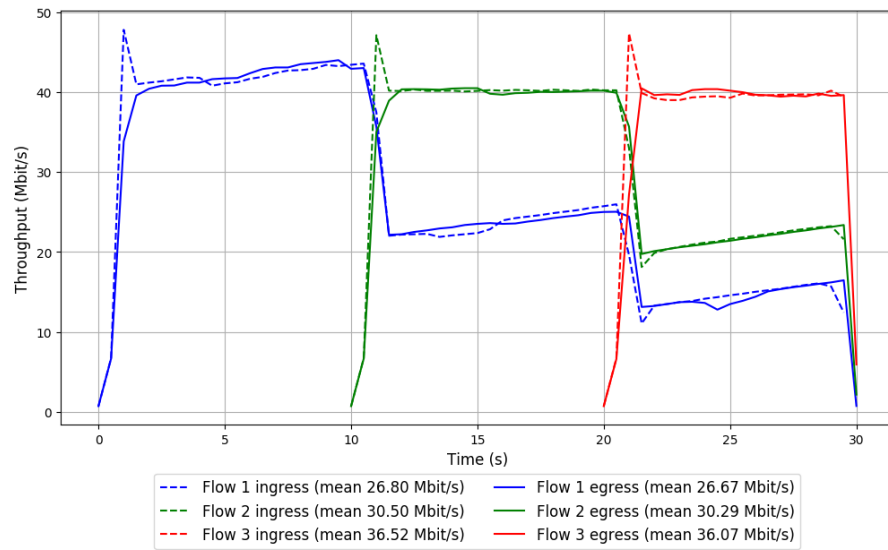
-- Flow 3:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 94.353 ms

Loss rate: 1.23%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-13 17:25:28

End at: 2018-02-13 17:25:58

Local clock offset: -7.245 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-02-13 21:58:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 156.185 ms

Loss rate: 67.46%

-- Flow 1:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 116.604 ms

Loss rate: 19.95%

-- Flow 2:

Average throughput: 15.07 Mbit/s

95th percentile per-packet one-way delay: 118.331 ms

Loss rate: 18.27%

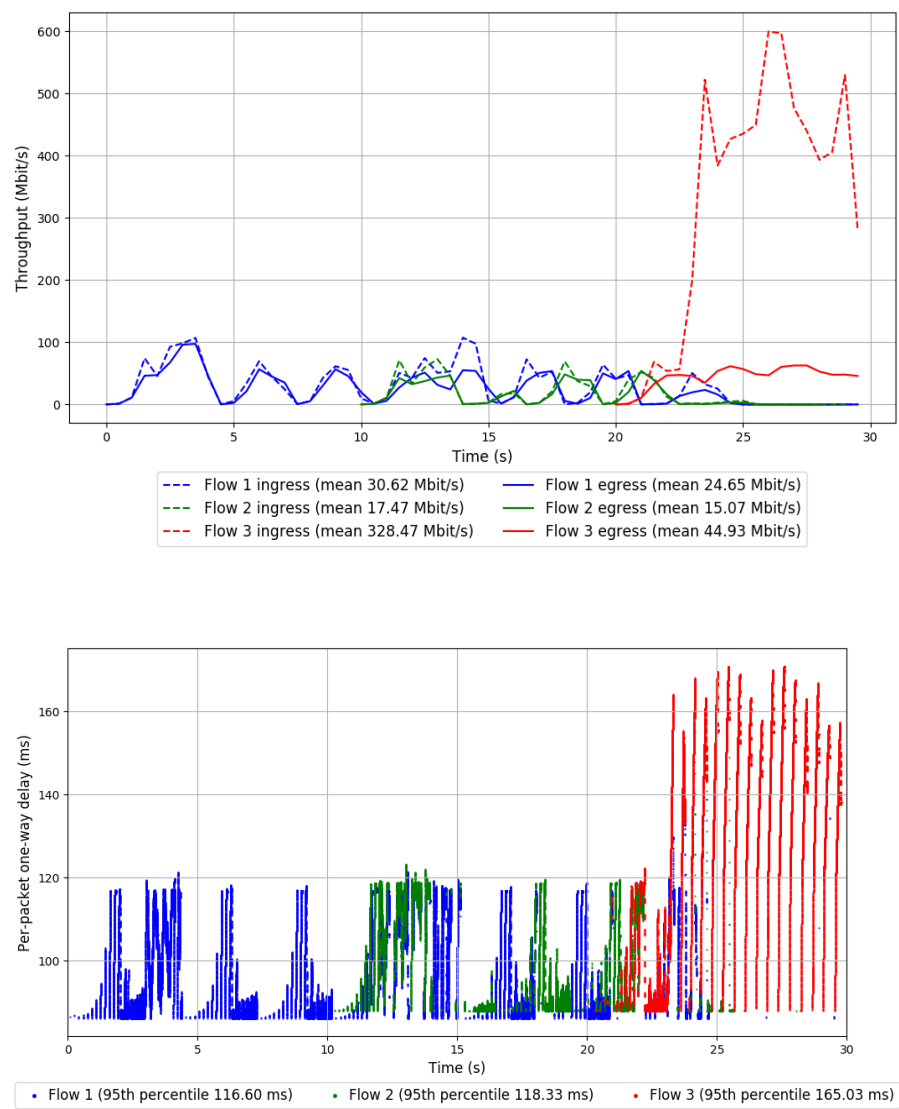
-- Flow 3:

Average throughput: 44.93 Mbit/s

95th percentile per-packet one-way delay: 165.031 ms

Loss rate: 86.25%

Run 1: Report of Verus — Data Link

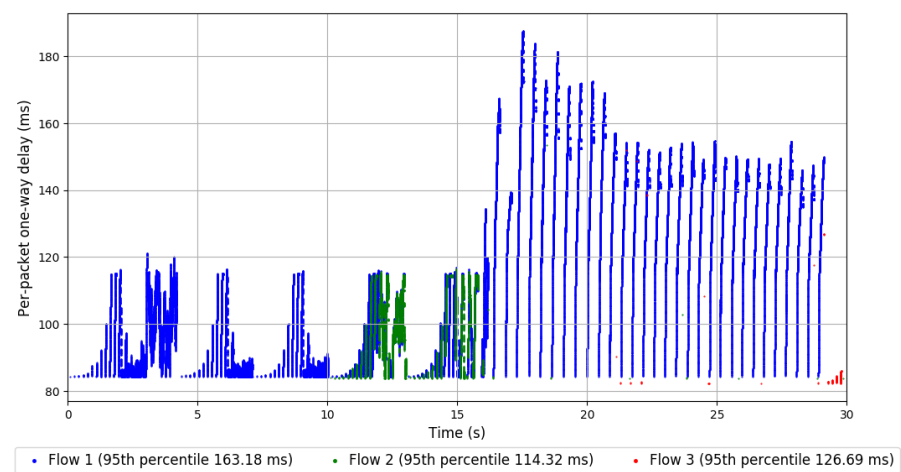
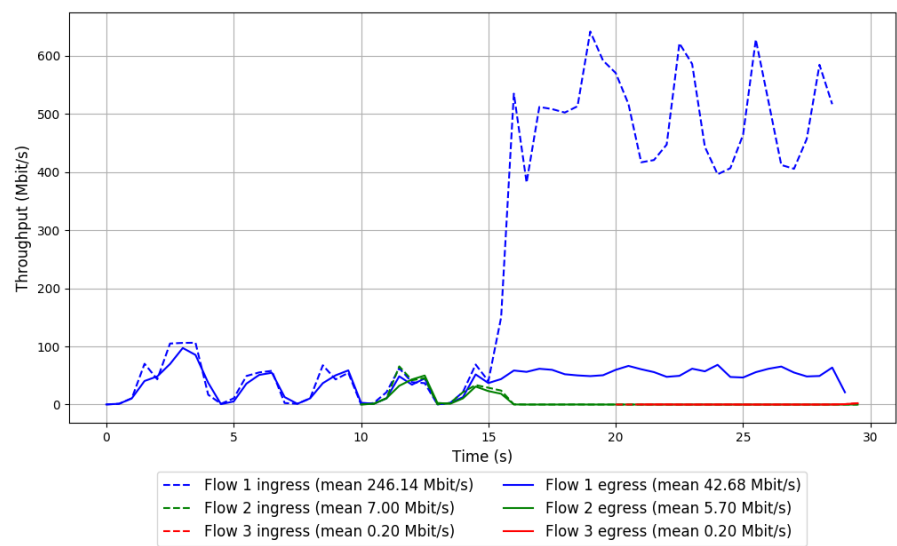


Run 2: Statistics of Verus

Start at: 2018-02-13 17:49:08
End at: 2018-02-13 17:49:38
Local clock offset: -6.524 ms
Remote clock offset: -3.989 ms

Below is generated by plot.py at 2018-02-13 21:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 161.747 ms
Loss rate: 81.38%
-- Flow 1:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 163.180 ms
Loss rate: 82.62%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 114.321 ms
Loss rate: 18.60%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 126.686 ms
Loss rate: 10.98%

Run 2: Report of Verus — Data Link

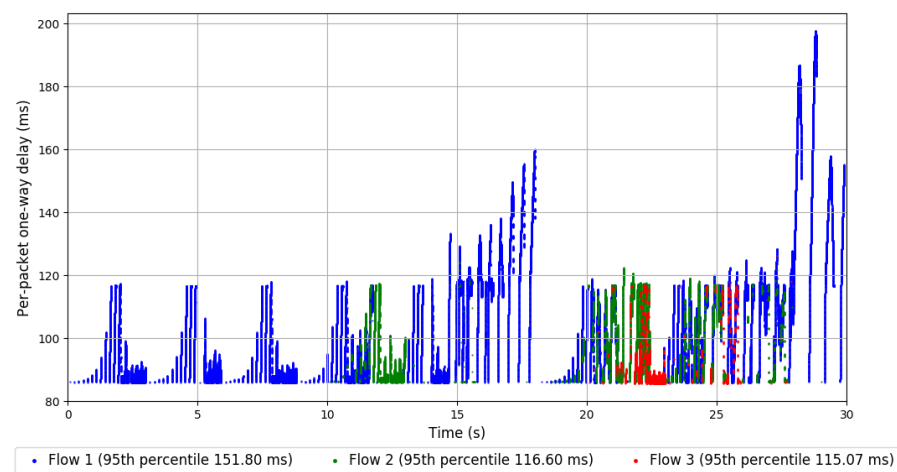
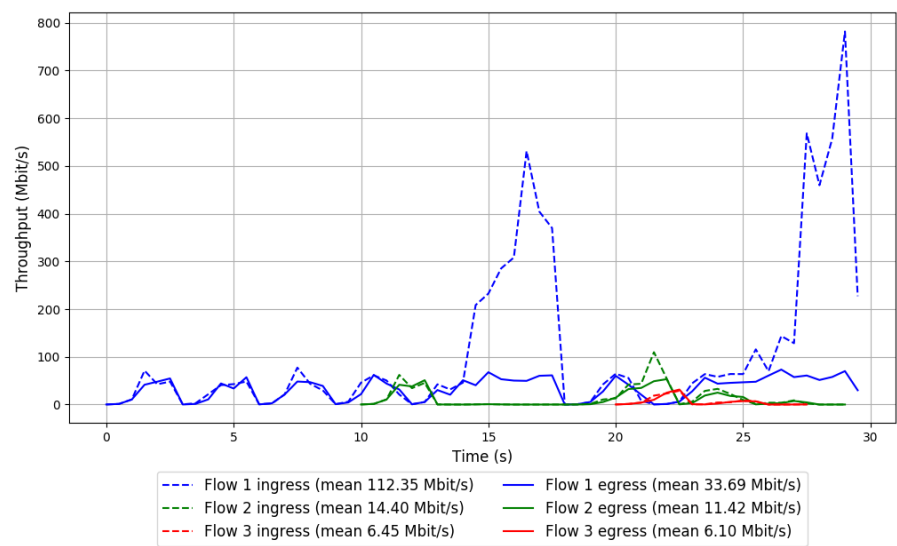


Run 3: Statistics of Verus

Start at: 2018-02-13 18:12:43
End at: 2018-02-13 18:13:13
Local clock offset: -3.173 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-02-13 21:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.52 Mbit/s
95th percentile per-packet one-way delay: 147.262 ms
Loss rate: 65.44%
-- Flow 1:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 151.804 ms
Loss rate: 69.95%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 116.598 ms
Loss rate: 21.39%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 115.073 ms
Loss rate: 7.34%

Run 3: Report of Verus — Data Link

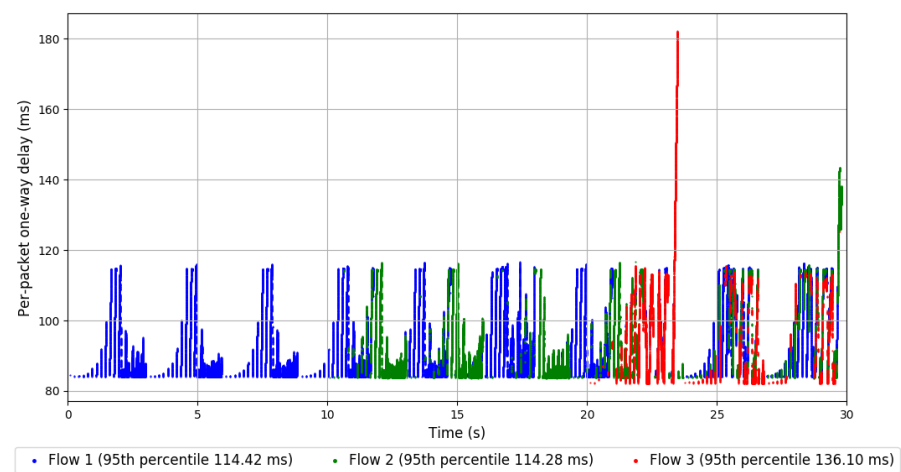
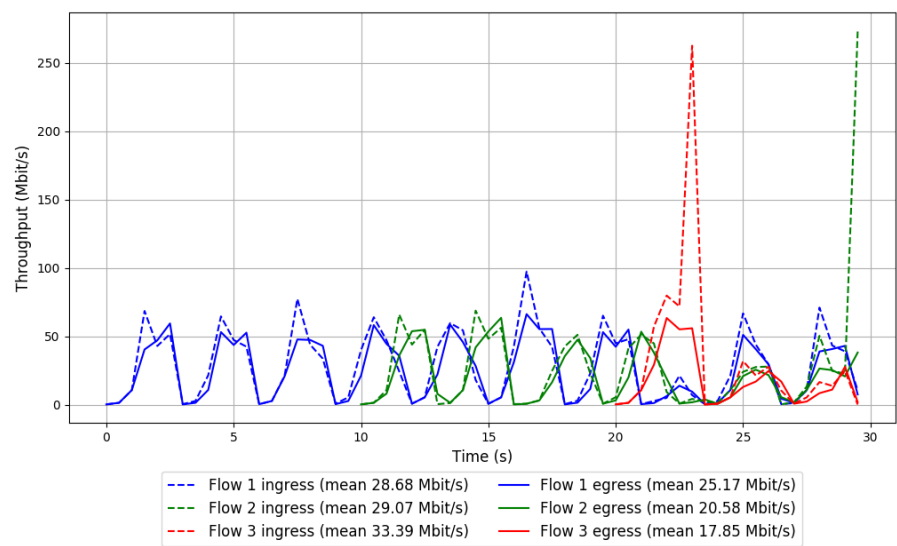


Run 4: Statistics of Verus

Start at: 2018-02-13 18:36:20
End at: 2018-02-13 18:36:50
Local clock offset: -4.448 ms
Remote clock offset: -2.91 ms

Below is generated by plot.py at 2018-02-13 21:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 114.423 ms
Loss rate: 23.96%
-- Flow 1:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 114.422 ms
Loss rate: 12.11%
-- Flow 2:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 114.281 ms
Loss rate: 29.00%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 136.105 ms
Loss rate: 46.30%

Run 4: Report of Verus — Data Link

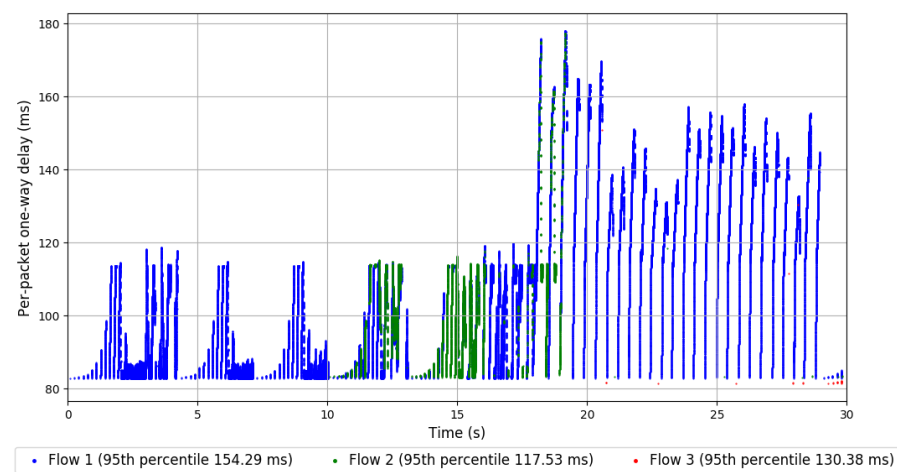
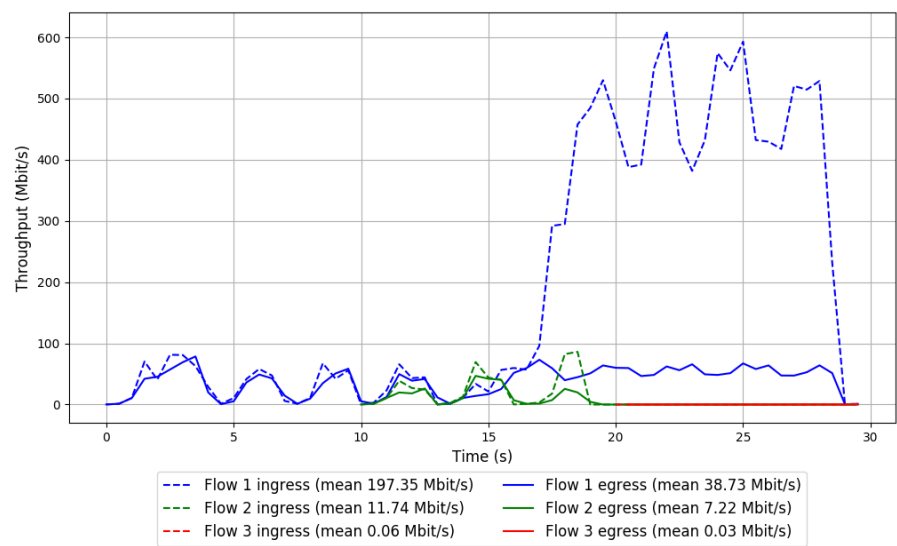


Run 5: Statistics of Verus

Start at: 2018-02-13 18:59:54
End at: 2018-02-13 19:00:24
Local clock offset: -4.714 ms
Remote clock offset: -3.932 ms

```
# Below is generated by plot.py at 2018-02-13 21:58:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 153.627 ms
Loss rate: 78.78%
-- Flow 1:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 154.287 ms
Loss rate: 80.37%
-- Flow 2:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 117.527 ms
Loss rate: 38.55%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 130.384 ms
Loss rate: 42.22%
```


Run 5: Report of Verus — Data Link

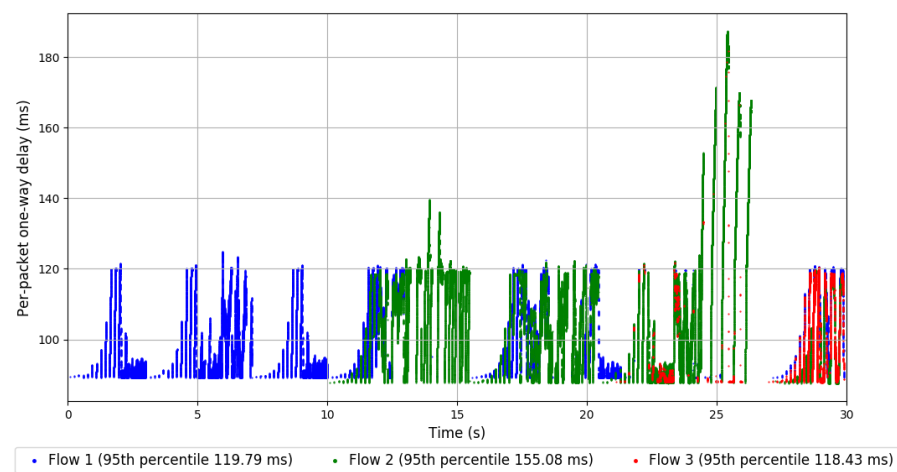
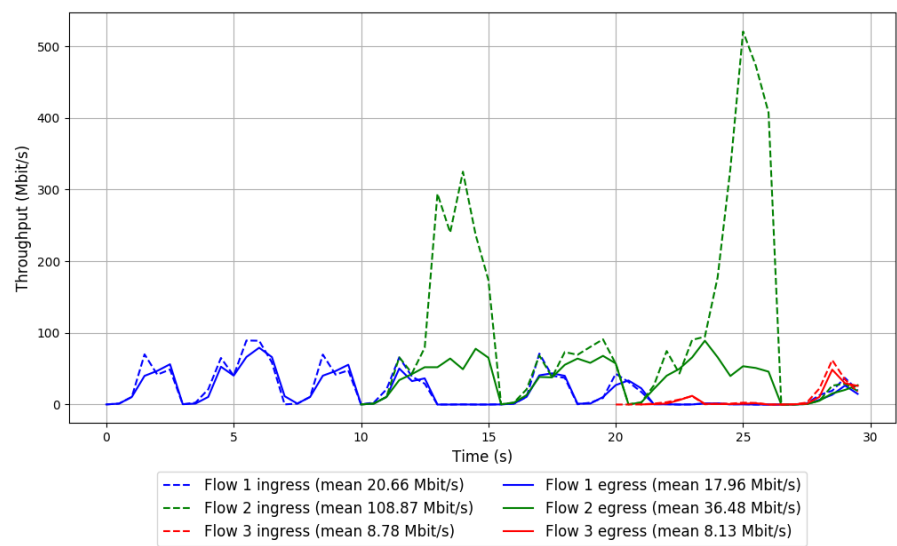


Run 6: Statistics of Verus

Start at: 2018-02-13 19:23:40
End at: 2018-02-13 19:24:10
Local clock offset: -4.044 ms
Remote clock offset: 2.359 ms

Below is generated by plot.py at 2018-02-13 21:58:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 135.575 ms
Loss rate: 53.41%
-- Flow 1:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 119.787 ms
Loss rate: 13.04%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 155.076 ms
Loss rate: 66.44%
-- Flow 3:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 118.430 ms
Loss rate: 16.93%

Run 6: Report of Verus — Data Link

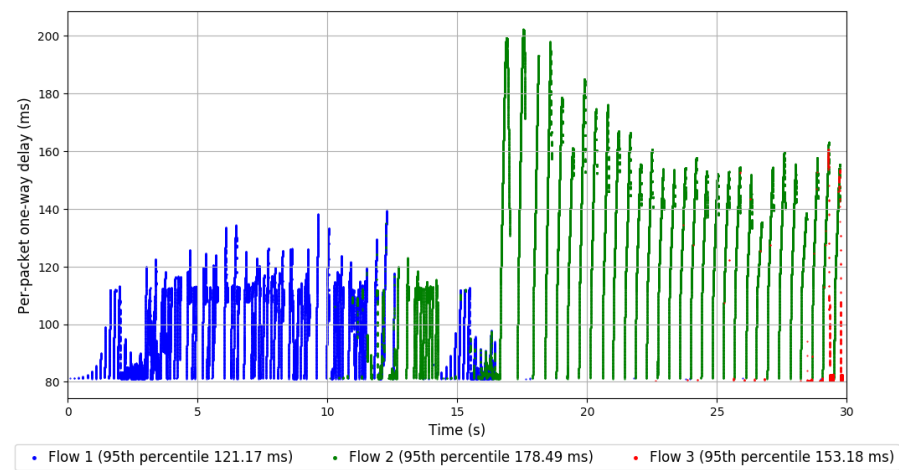
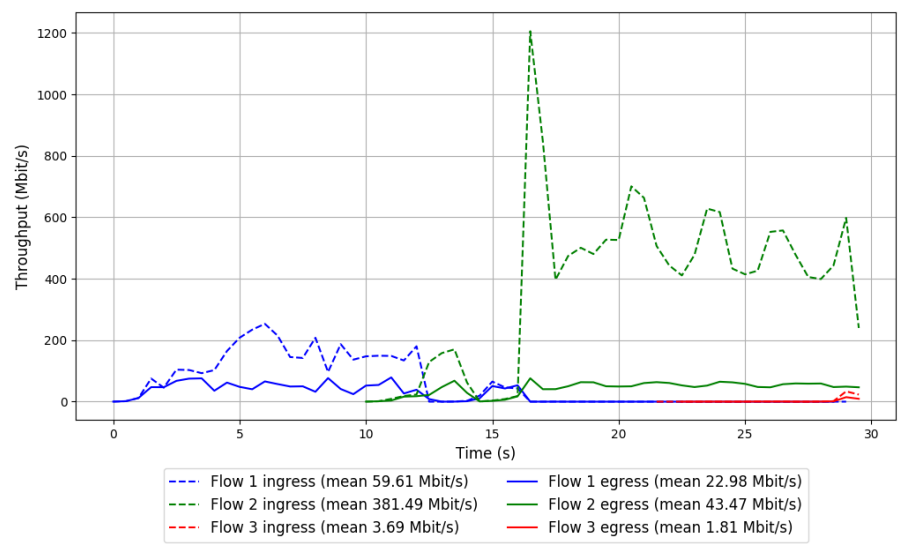


Run 7: Statistics of Verus

Start at: 2018-02-13 19:47:19
End at: 2018-02-13 19:47:49
Local clock offset: -7.084 ms
Remote clock offset: 3.606 ms

Below is generated by plot.py at 2018-02-13 21:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 166.869 ms
Loss rate: 83.42%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 121.166 ms
Loss rate: 61.68%
-- Flow 2:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 178.490 ms
Loss rate: 88.57%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 153.176 ms
Loss rate: 56.92%

Run 7: Report of Verus — Data Link

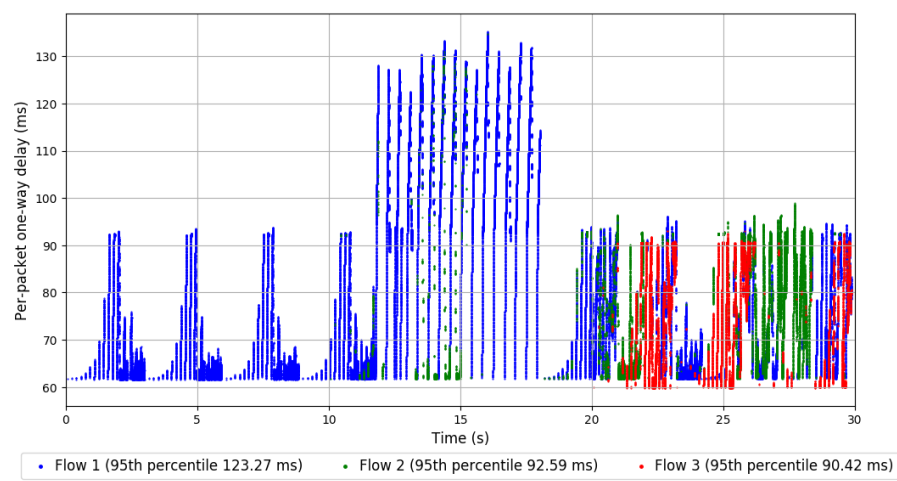
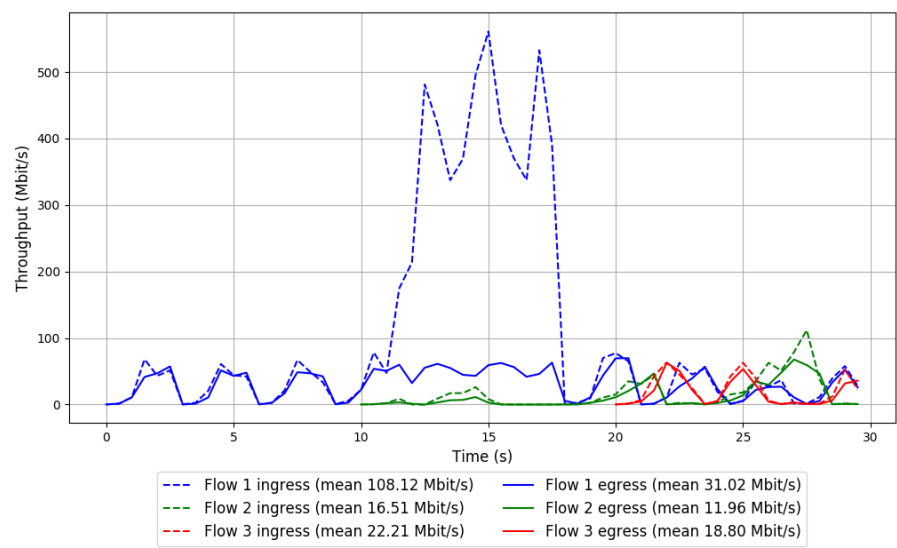


Run 8: Statistics of Verus

Start at: 2018-02-13 20:11:05
End at: 2018-02-13 20:11:35
Local clock offset: 13.944 ms
Remote clock offset: -3.044 ms

Below is generated by plot.py at 2018-02-13 21:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 120.666 ms
Loss rate: 64.27%
-- Flow 1:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 123.272 ms
Loss rate: 71.29%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 92.591 ms
Loss rate: 27.46%
-- Flow 3:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 90.419 ms
Loss rate: 15.17%

Run 8: Report of Verus — Data Link

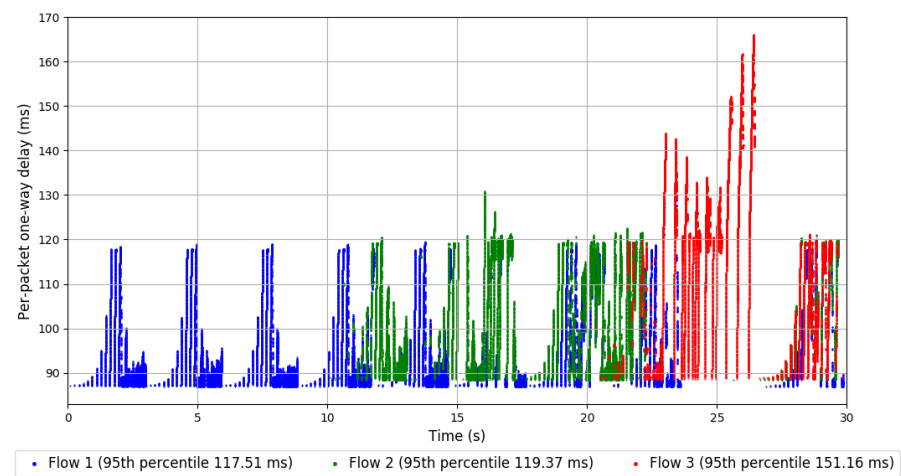
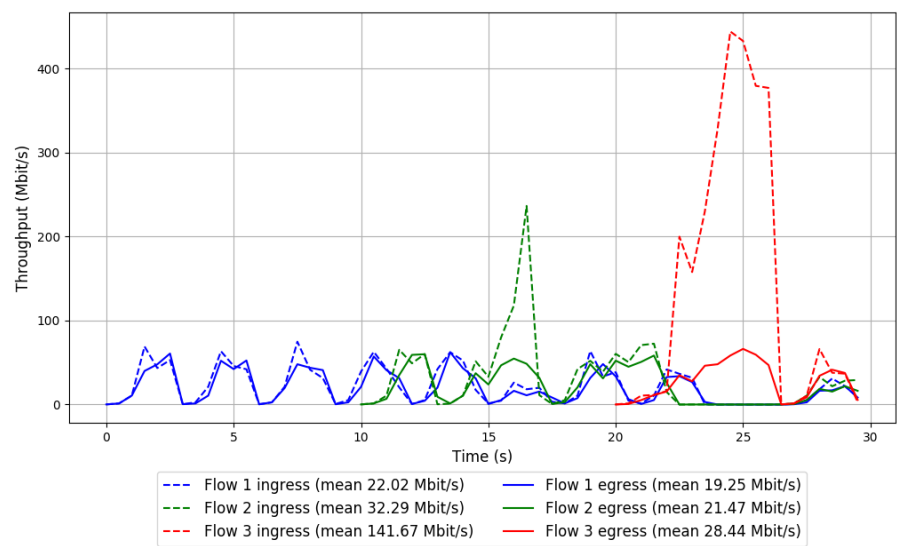


Run 9: Statistics of Verus

Start at: 2018-02-13 20:34:45
End at: 2018-02-13 20:35:15
Local clock offset: -6.314 ms
Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-02-13 21:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 131.027 ms
Loss rate: 52.32%
-- Flow 1:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 117.506 ms
Loss rate: 12.61%
-- Flow 2:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 119.370 ms
Loss rate: 33.39%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 151.164 ms
Loss rate: 79.98%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-13 20:58:22

End at: 2018-02-13 20:58:52

Local clock offset: 4.405 ms

Remote clock offset: 3.221 ms

Below is generated by plot.py at 2018-02-13 21:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.06 Mbit/s

95th percentile per-packet one-way delay: 110.312 ms

Loss rate: 31.13%

-- Flow 1:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 110.218 ms

Loss rate: 29.44%

-- Flow 2:

Average throughput: 24.94 Mbit/s

95th percentile per-packet one-way delay: 110.726 ms

Loss rate: 32.30%

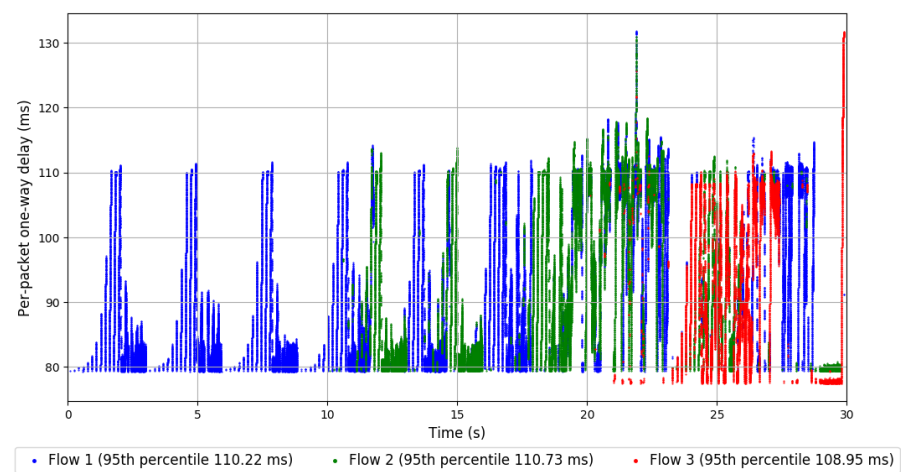
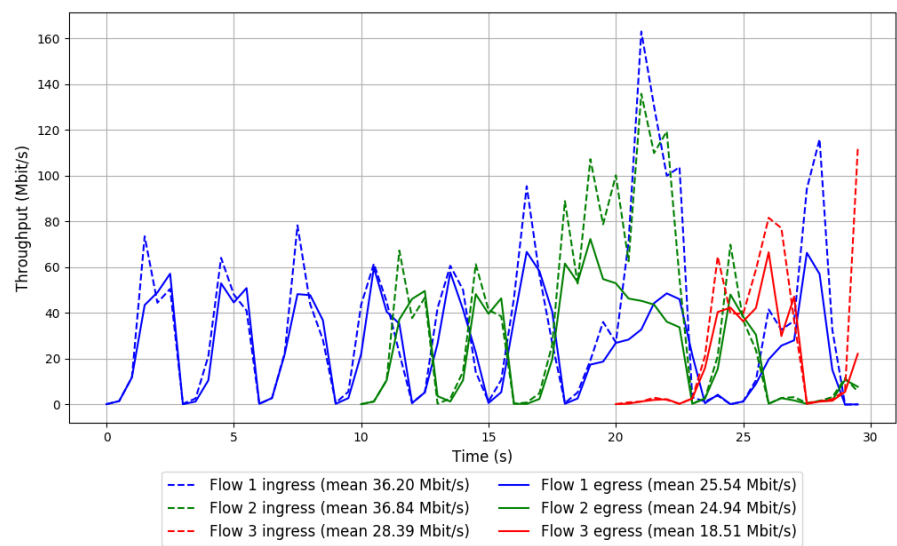
-- Flow 3:

Average throughput: 18.51 Mbit/s

95th percentile per-packet one-way delay: 108.951 ms

Loss rate: 34.63%

Run 10: Report of Verus — Data Link

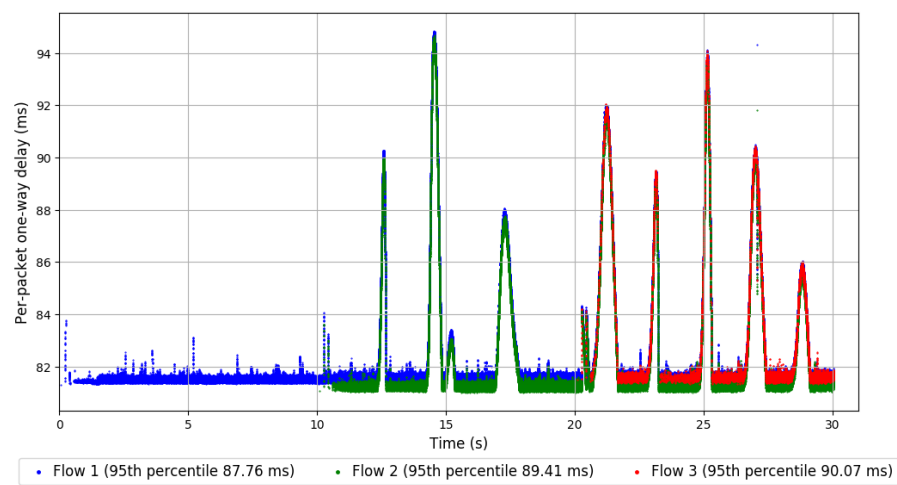
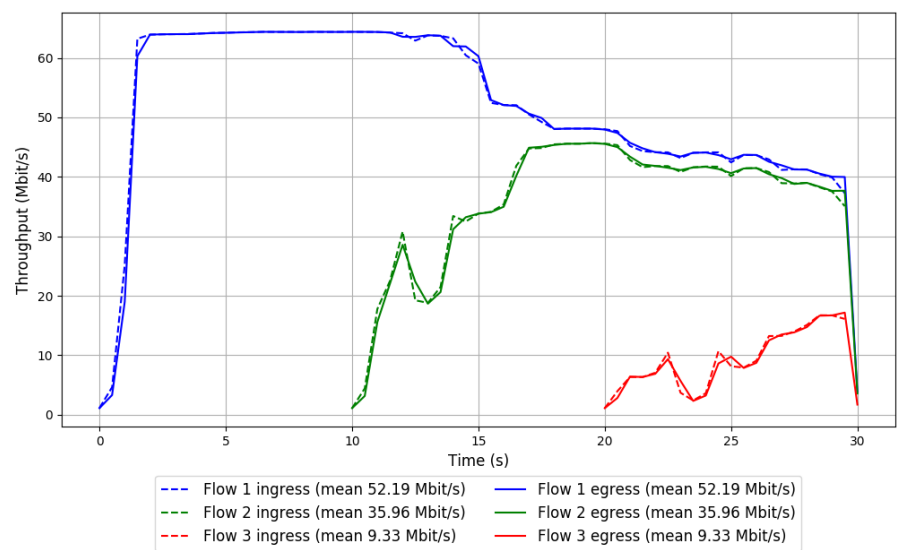


Run 1: Statistics of Copa

Start at: 2018-02-13 17:37:16
End at: 2018-02-13 17:37:46
Local clock offset: -6.624 ms
Remote clock offset: -4.725 ms

Below is generated by plot.py at 2018-02-13 22:00:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 88.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 87.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 89.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 90.068 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

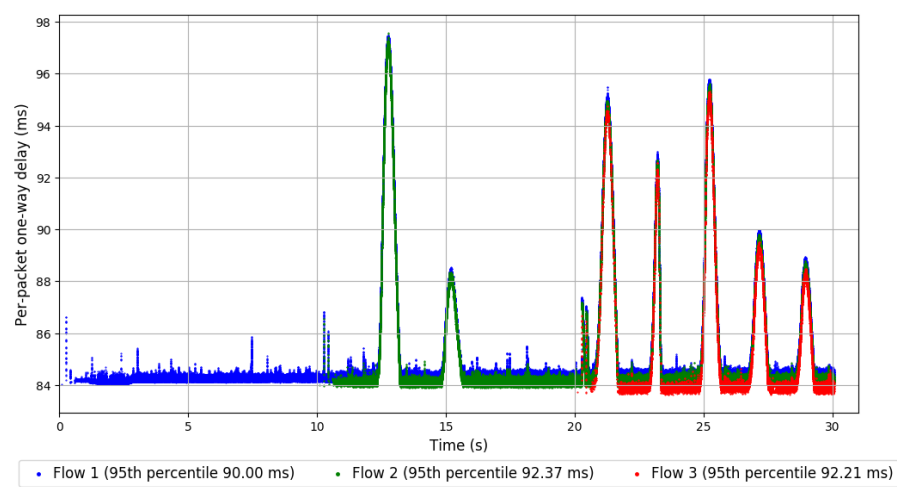
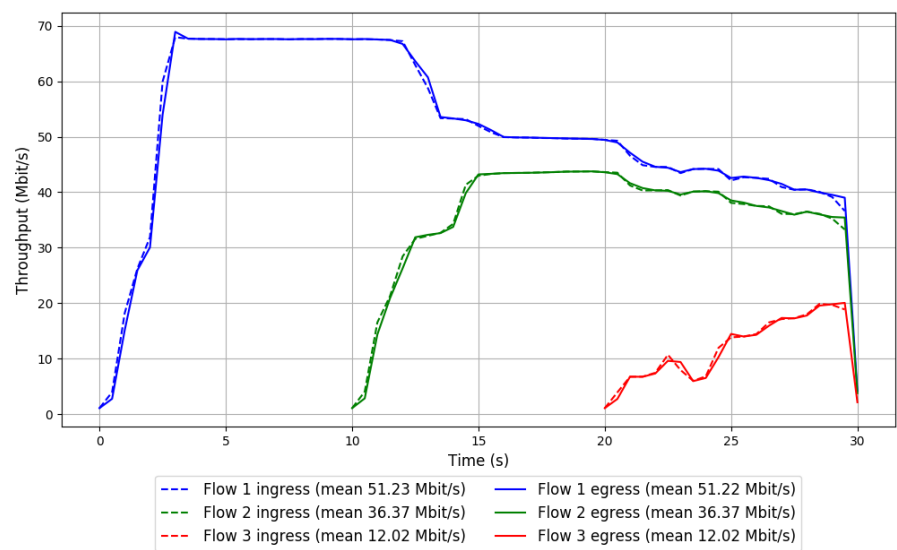


Run 2: Statistics of Copa

Start at: 2018-02-13 18:00:55
End at: 2018-02-13 18:01:25
Local clock offset: -4.316 ms
Remote clock offset: -4.193 ms

```
# Below is generated by plot.py at 2018-02-13 22:00:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 91.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 90.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 92.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 92.206 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-13 18:24:29

End at: 2018-02-13 18:24:59

Local clock offset: -2.764 ms

Remote clock offset: 2.287 ms

Below is generated by plot.py at 2018-02-13 22:00:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.91 Mbit/s

95th percentile per-packet one-way delay: 93.359 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.64 Mbit/s

95th percentile per-packet one-way delay: 92.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 94.891 ms

Loss rate: 0.00%

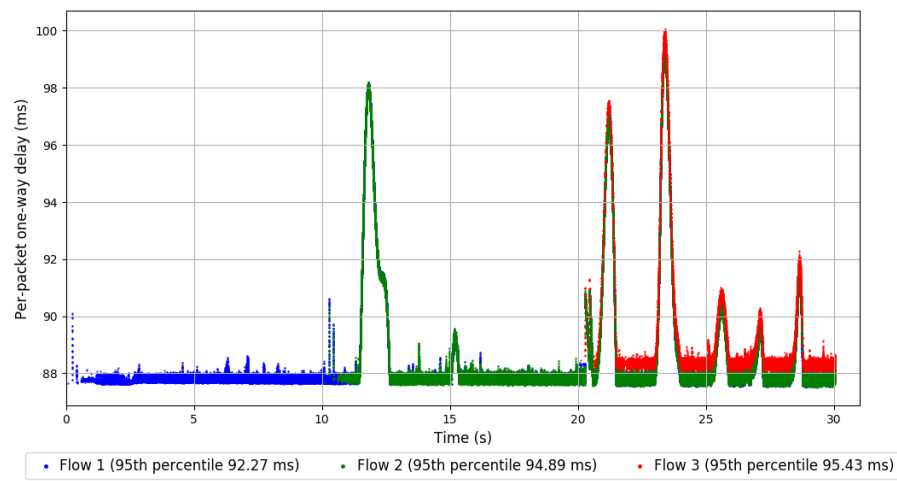
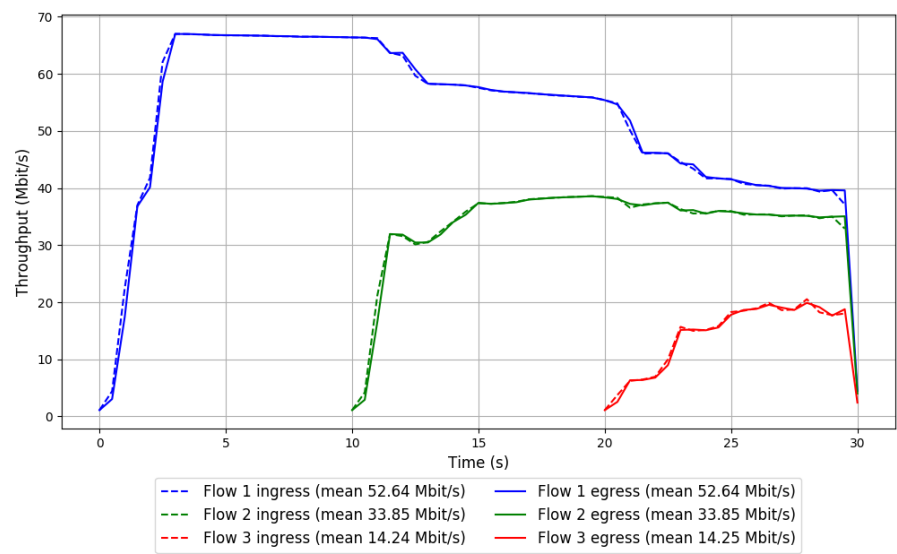
-- Flow 3:

Average throughput: 14.25 Mbit/s

95th percentile per-packet one-way delay: 95.426 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-13 18:48:07

End at: 2018-02-13 18:48:37

Local clock offset: -4.76 ms

Remote clock offset: 2.173 ms

Below is generated by plot.py at 2018-02-13 22:00:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.05 Mbit/s

95th percentile per-packet one-way delay: 92.429 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.90 Mbit/s

95th percentile per-packet one-way delay: 91.315 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 93.727 ms

Loss rate: 0.00%

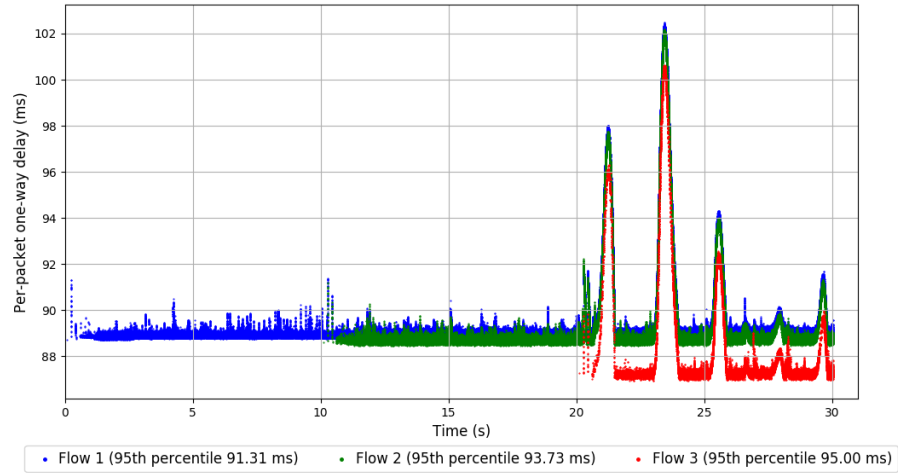
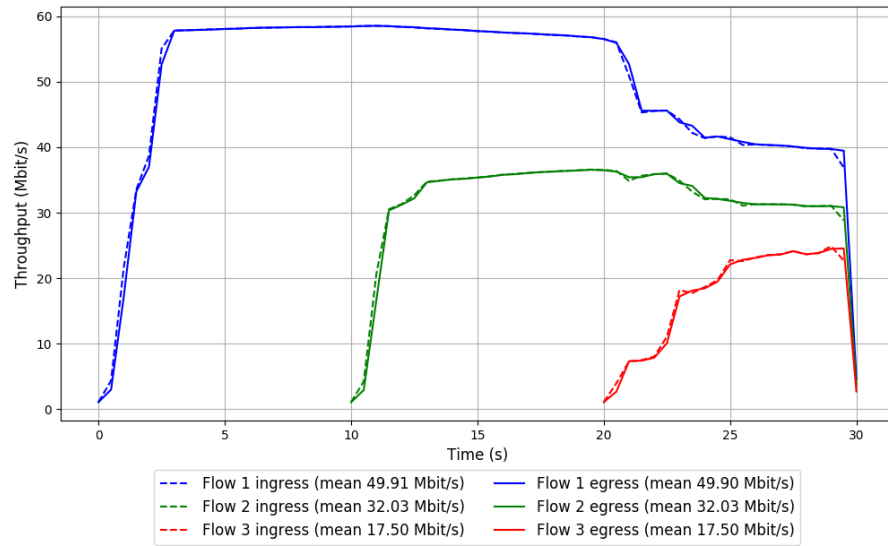
-- Flow 3:

Average throughput: 17.50 Mbit/s

95th percentile per-packet one-way delay: 95.002 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

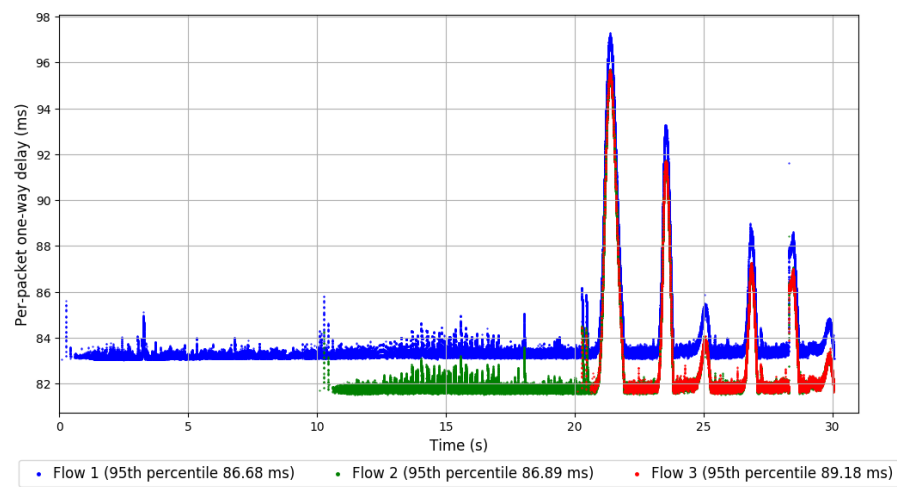
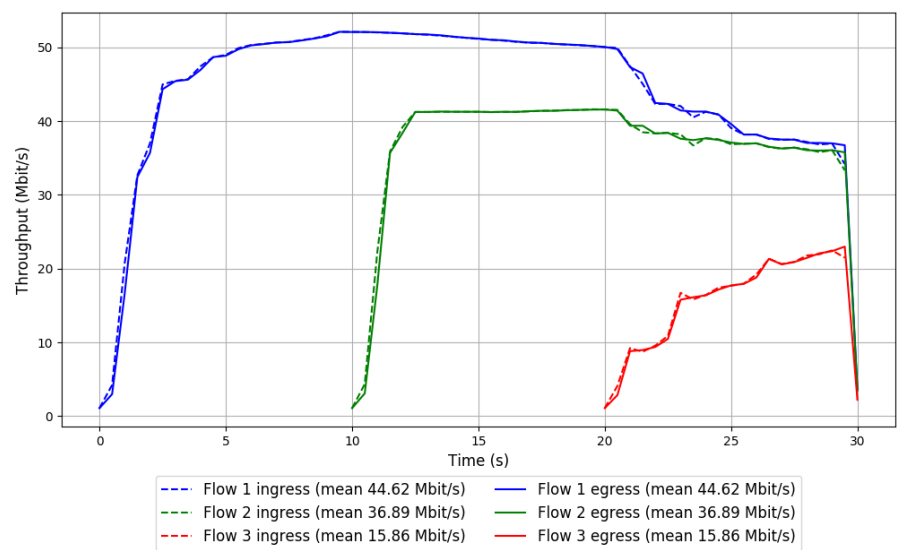


Run 5: Statistics of Copa

Start at: 2018-02-13 19:11:51
End at: 2018-02-13 19:12:21
Local clock offset: -4.275 ms
Remote clock offset: -4.145 ms

Below is generated by plot.py at 2018-02-13 22:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 86.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 86.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 89.176 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-13 19:35:29

End at: 2018-02-13 19:35:59

Local clock offset: -5.004 ms

Remote clock offset: 2.095 ms

Below is generated by plot.py at 2018-02-13 22:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.43 Mbit/s

95th percentile per-packet one-way delay: 87.033 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 48.57 Mbit/s

95th percentile per-packet one-way delay: 85.071 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 88.321 ms

Loss rate: 0.01%

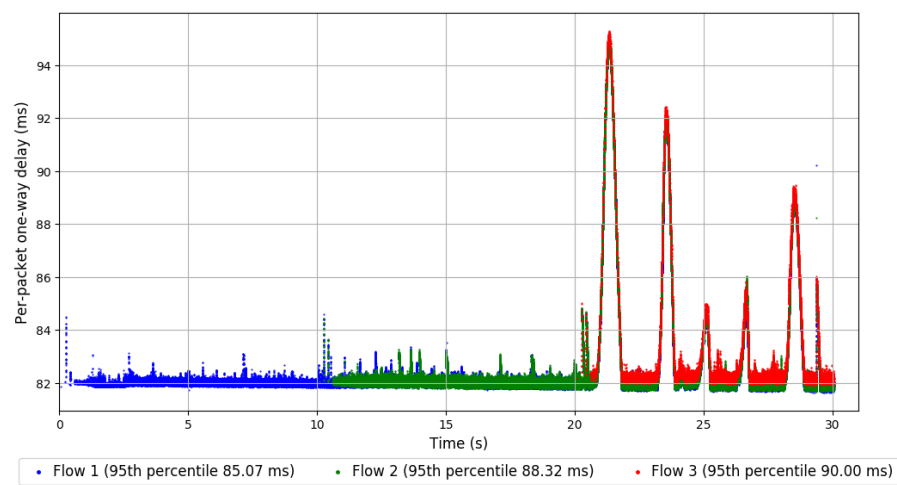
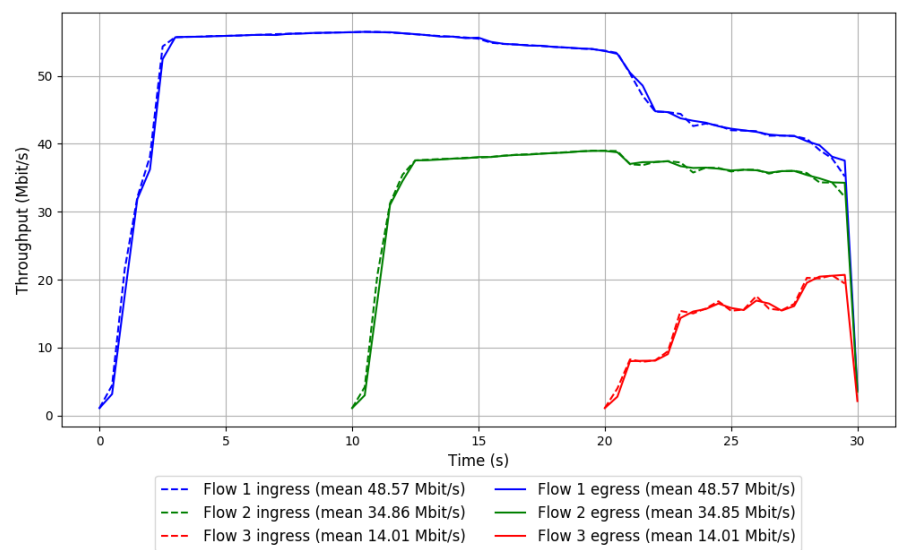
-- Flow 3:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 90.000 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-13 19:59:18

End at: 2018-02-13 19:59:48

Local clock offset: -8.206 ms

Remote clock offset: 9.51 ms

Below is generated by plot.py at 2018-02-13 22:01:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 93.437 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.93 Mbit/s

95th percentile per-packet one-way delay: 91.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 94.726 ms

Loss rate: 0.00%

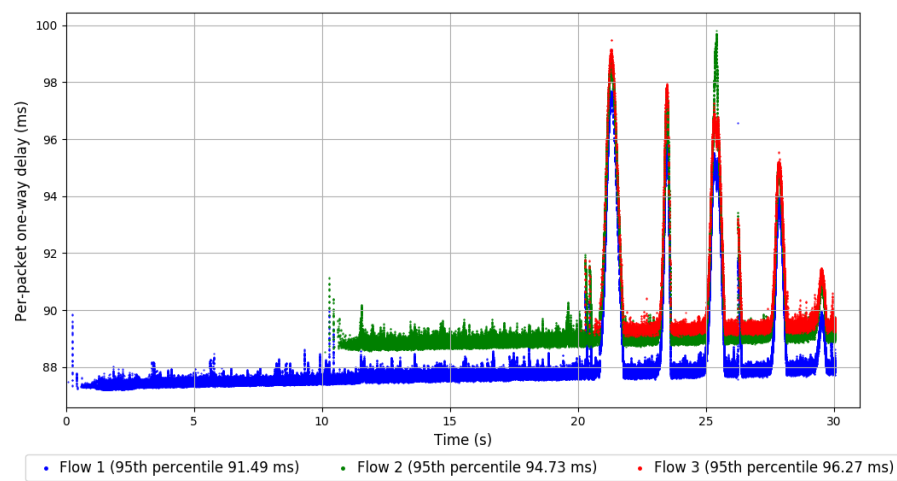
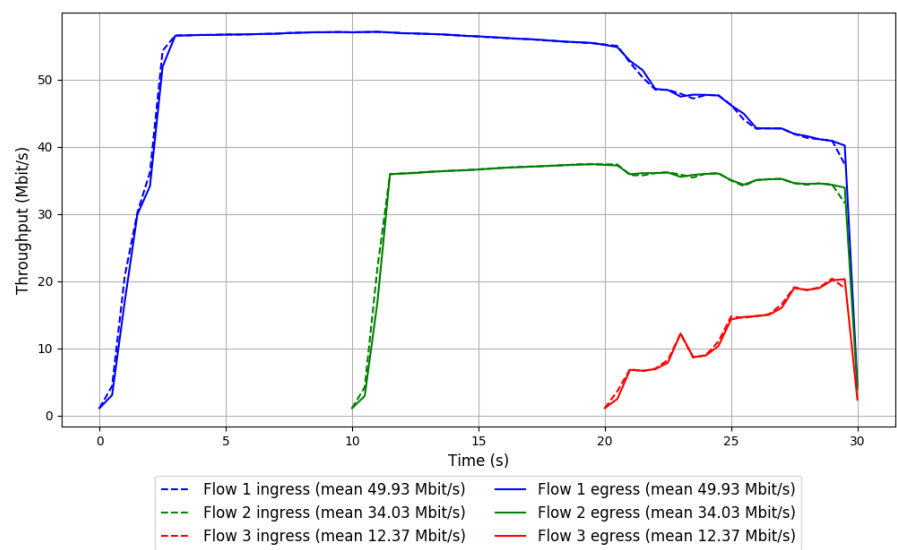
-- Flow 3:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 96.268 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

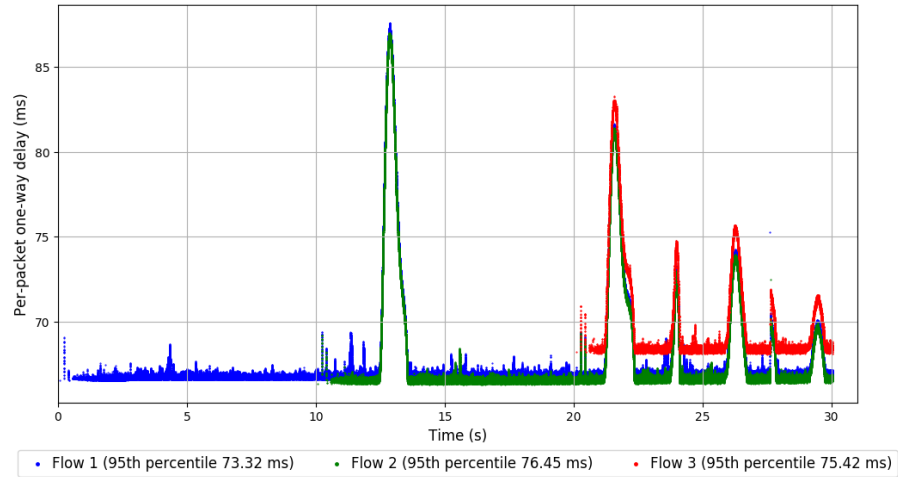
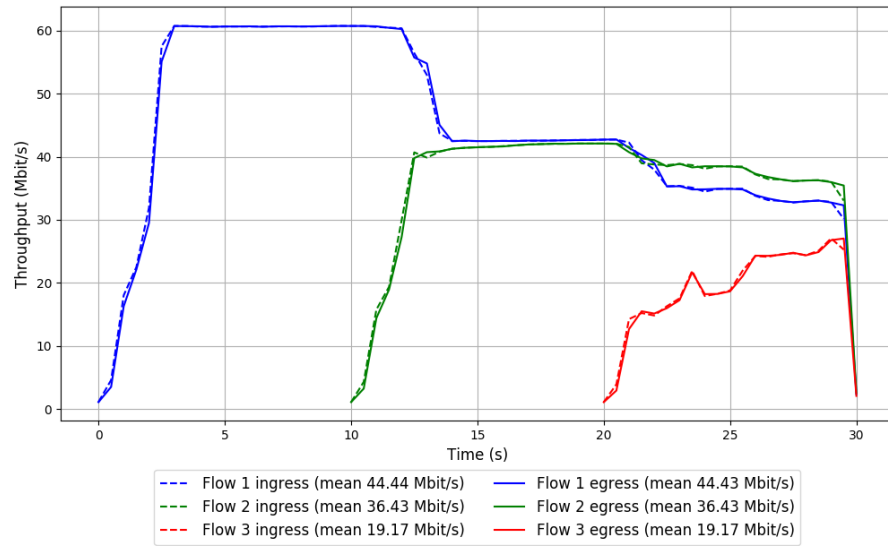


Run 8: Statistics of Copa

Start at: 2018-02-13 20:22:55
End at: 2018-02-13 20:23:25
Local clock offset: 8.736 ms
Remote clock offset: -4.302 ms

```
# Below is generated by plot.py at 2018-02-13 22:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 74.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 73.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 76.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 75.417 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

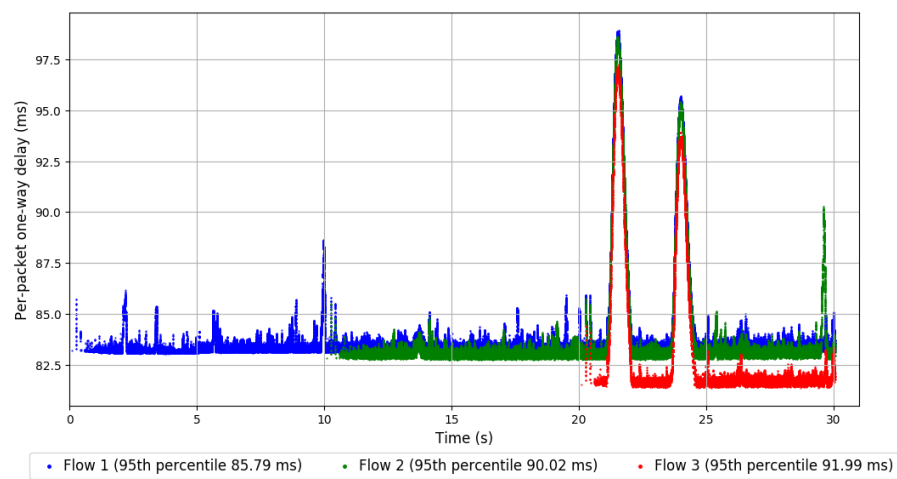
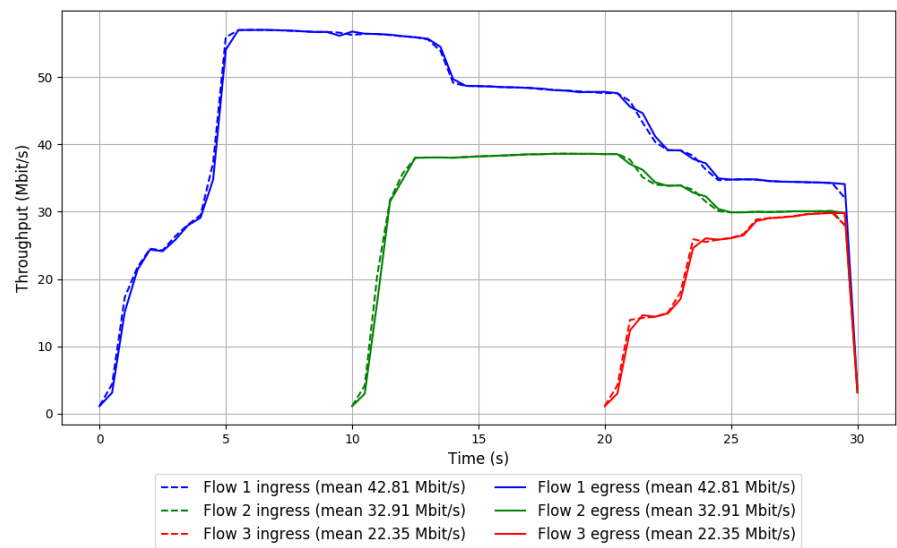


Run 9: Statistics of Copa

Start at: 2018-02-13 20:46:31
End at: 2018-02-13 20:47:01
Local clock offset: -6.017 ms
Remote clock offset: -3.798 ms

Below is generated by plot.py at 2018-02-13 22:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 88.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 85.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 90.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 91.987 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-13 21:10:10

End at: 2018-02-13 21:10:40

Local clock offset: -5.506 ms

Remote clock offset: 1.9 ms

Below is generated by plot.py at 2018-02-13 22:02:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 92.402 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.07 Mbit/s

95th percentile per-packet one-way delay: 91.758 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 93.160 ms

Loss rate: 0.00%

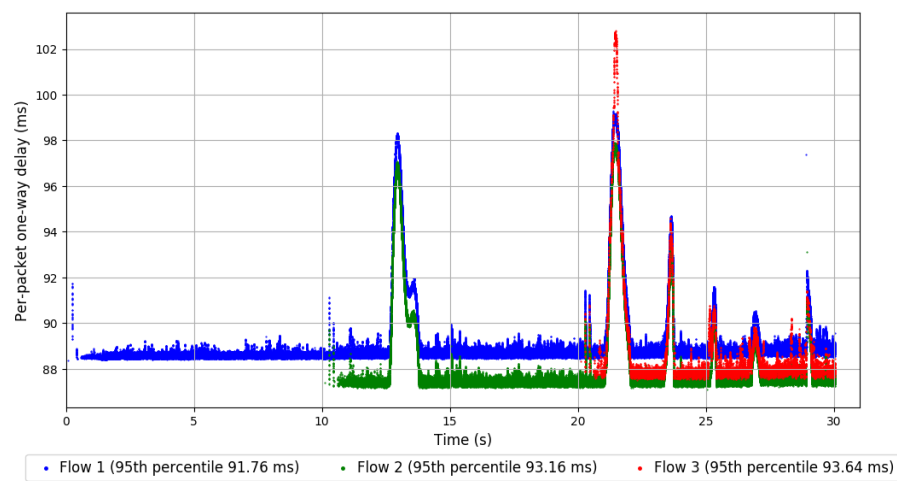
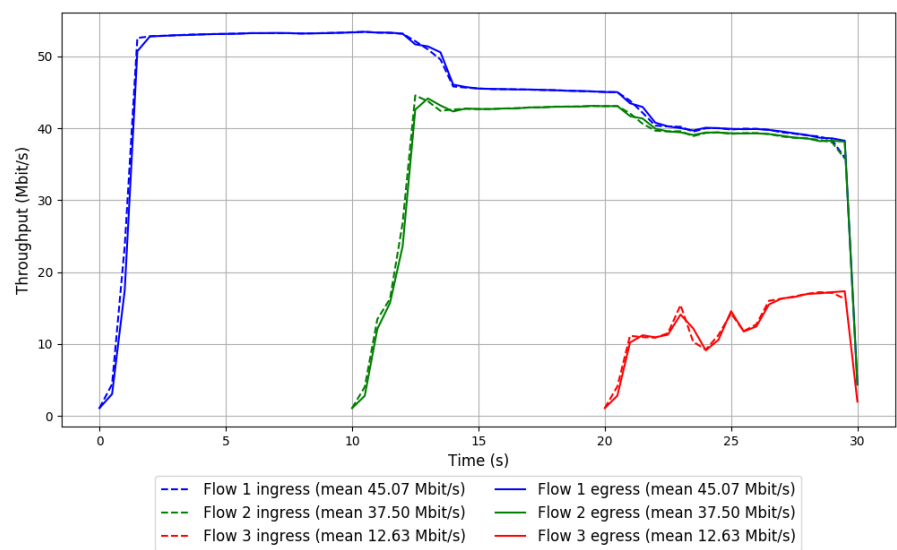
-- Flow 3:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 93.635 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

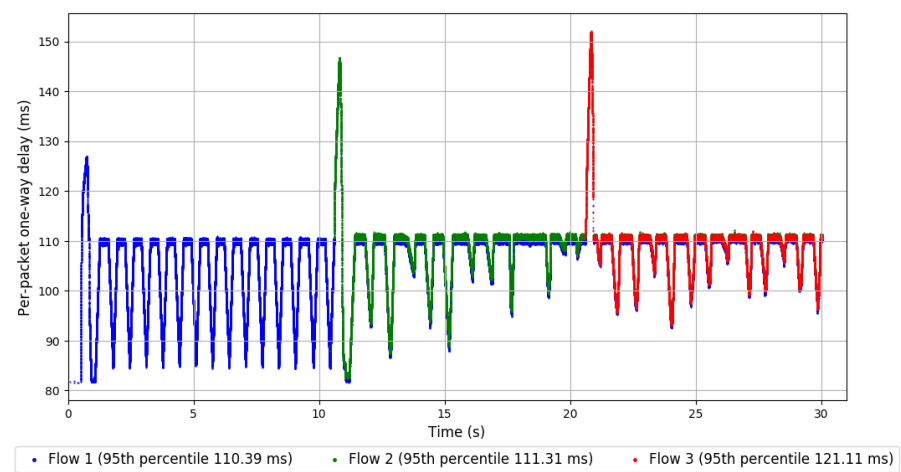
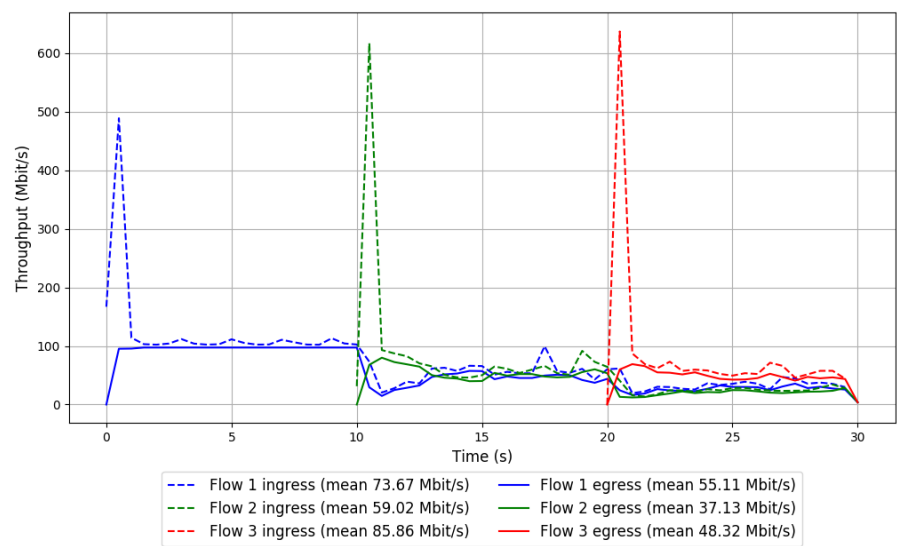


Run 1: Statistics of FillP

Start at: 2018-02-13 17:26:47
End at: 2018-02-13 17:27:17
Local clock offset: -7.108 ms
Remote clock offset: -3.796 ms

Below is generated by plot.py at 2018-02-13 22:02:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 111.170 ms
Loss rate: 32.19%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 25.12%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 37.10%
-- Flow 3:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 121.109 ms
Loss rate: 43.72%

Run 1: Report of FillP — Data Link

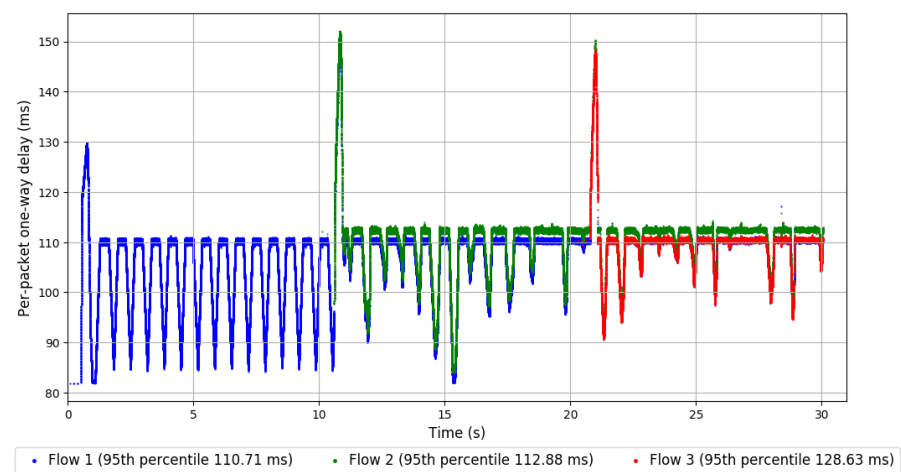
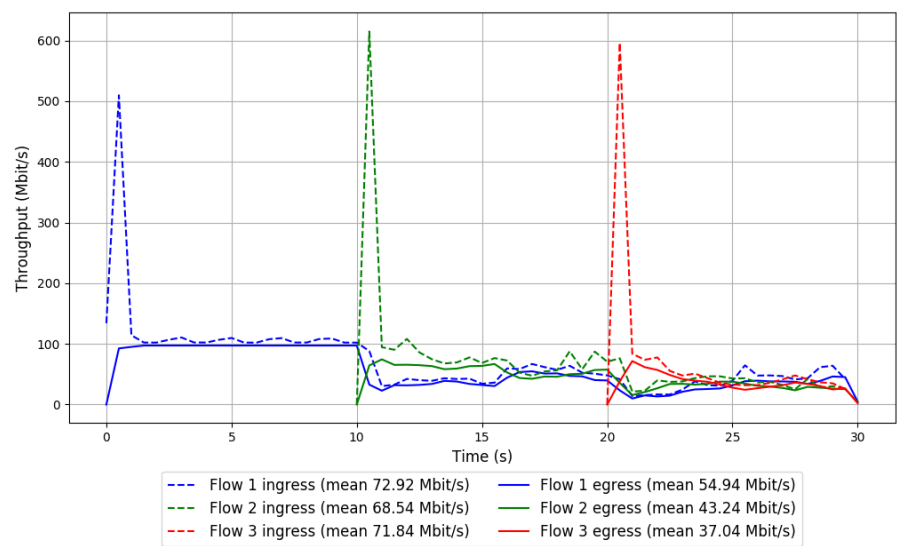


Run 2: Statistics of FillP

Start at: 2018-02-13 17:50:28
End at: 2018-02-13 17:50:58
Local clock offset: -6.372 ms
Remote clock offset: -4.113 ms

Below is generated by plot.py at 2018-02-13 22:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 32.66%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 110.706 ms
Loss rate: 24.59%
-- Flow 2:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 112.880 ms
Loss rate: 36.92%
-- Flow 3:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 128.633 ms
Loss rate: 49.22%

Run 2: Report of FillP — Data Link

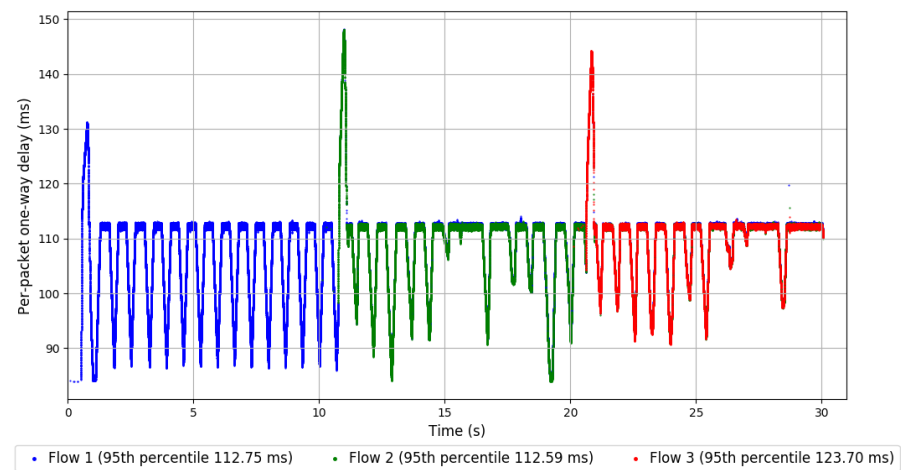
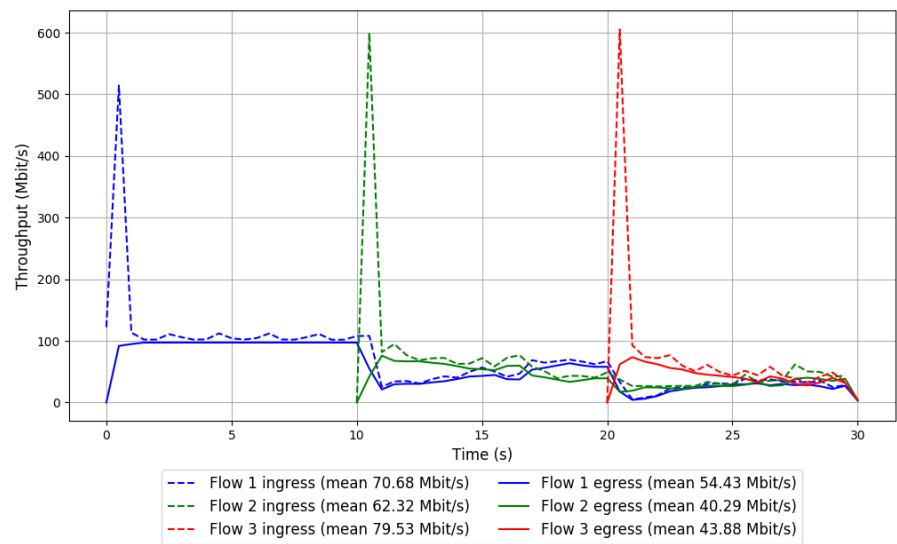


Run 3: Statistics of FillP

Start at: 2018-02-13 18:14:01
End at: 2018-02-13 18:14:31
Local clock offset: -3.308 ms
Remote clock offset: -4.153 ms

Below is generated by plot.py at 2018-02-13 22:02:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 112.738 ms
Loss rate: 30.80%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 112.747 ms
Loss rate: 22.93%
-- Flow 2:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 112.589 ms
Loss rate: 35.33%
-- Flow 3:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 123.702 ms
Loss rate: 44.82%

Run 3: Report of FillP — Data Link

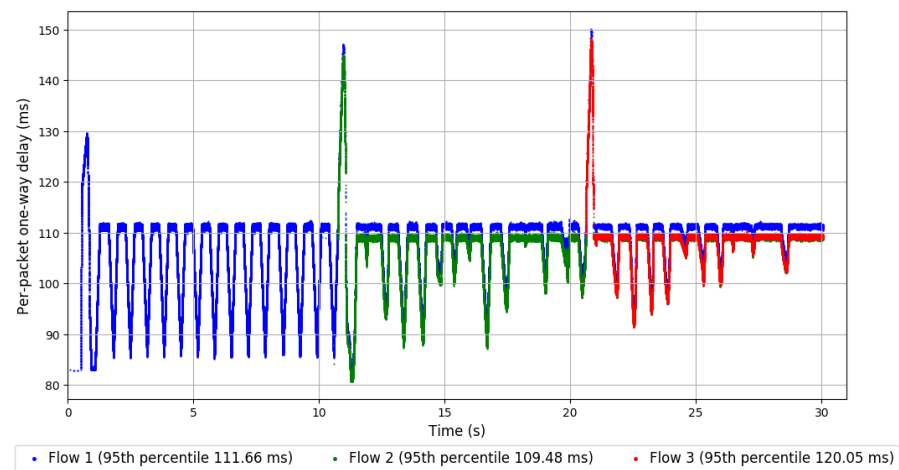
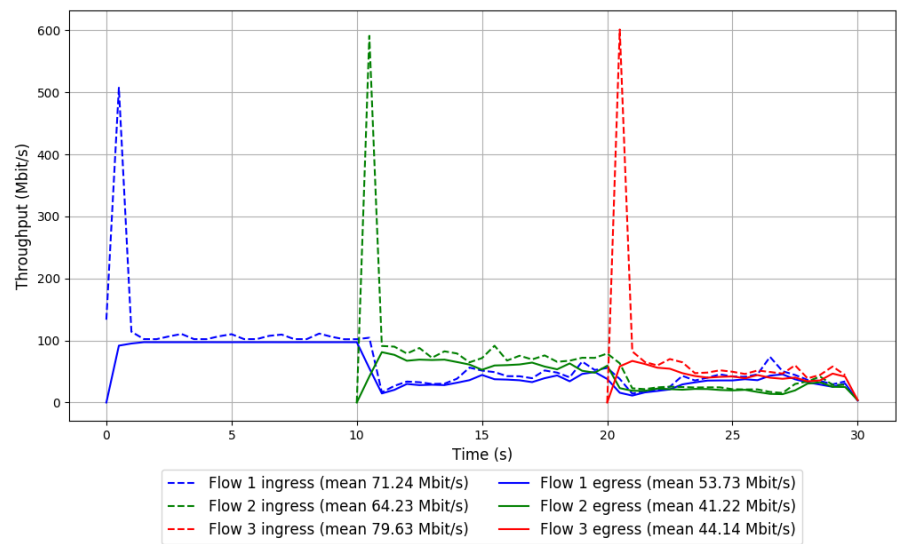


Run 4: Statistics of FillP

Start at: 2018-02-13 18:37:38
End at: 2018-02-13 18:38:08
Local clock offset: -4.527 ms
Remote clock offset: -3.769 ms

Below is generated by plot.py at 2018-02-13 22:02:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 111.644 ms
Loss rate: 31.72%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 111.659 ms
Loss rate: 24.51%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 109.480 ms
Loss rate: 35.82%
-- Flow 3:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 120.048 ms
Loss rate: 44.57%

Run 4: Report of FillP — Data Link

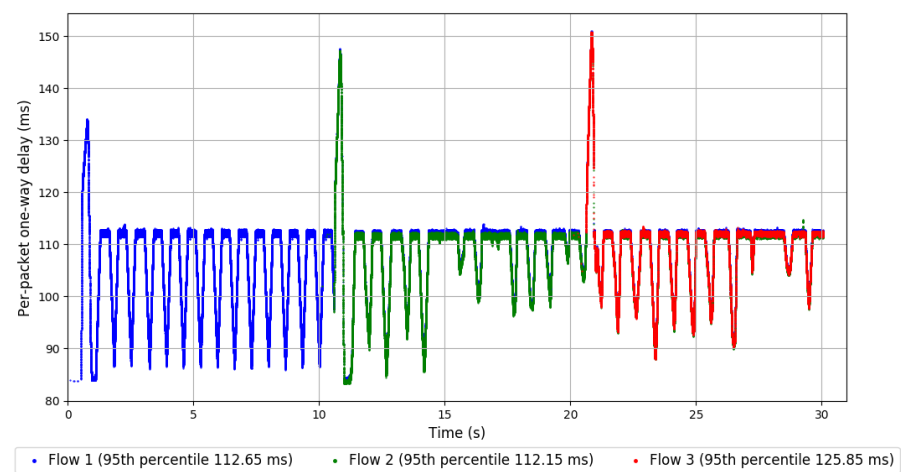
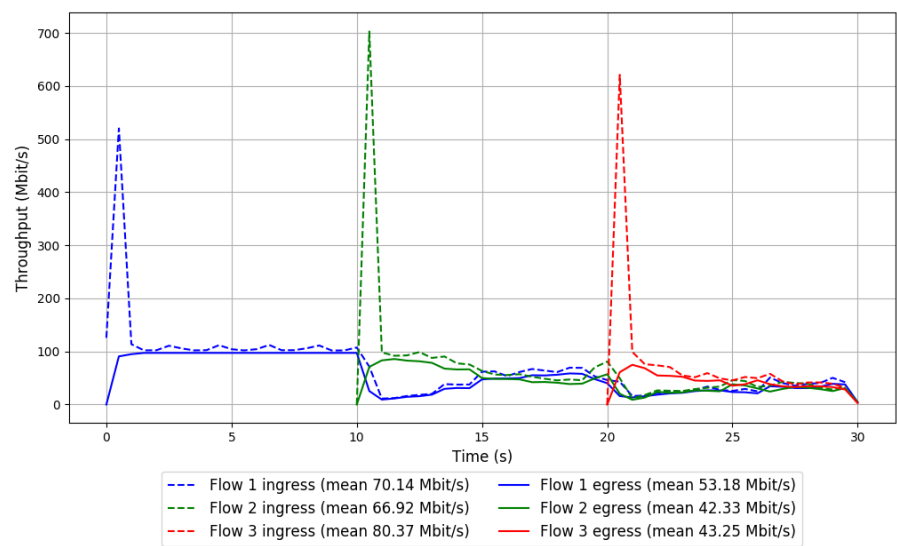


Run 5: Statistics of FillP

Start at: 2018-02-13 19:01:21
End at: 2018-02-13 19:01:51
Local clock offset: -4.608 ms
Remote clock offset: -3.168 ms

Below is generated by plot.py at 2018-02-13 22:02:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 112.640 ms
Loss rate: 32.24%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 112.650 ms
Loss rate: 24.10%
-- Flow 2:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 112.151 ms
Loss rate: 36.71%
-- Flow 3:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 125.851 ms
Loss rate: 46.18%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-13 19:24:58

End at: 2018-02-13 19:25:28

Local clock offset: -4.045 ms

Remote clock offset: 2.84 ms

Below is generated by plot.py at 2018-02-13 22:03:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 117.888 ms

Loss rate: 33.19%

-- Flow 1:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 117.871 ms

Loss rate: 24.38%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 116.160 ms

Loss rate: 38.24%

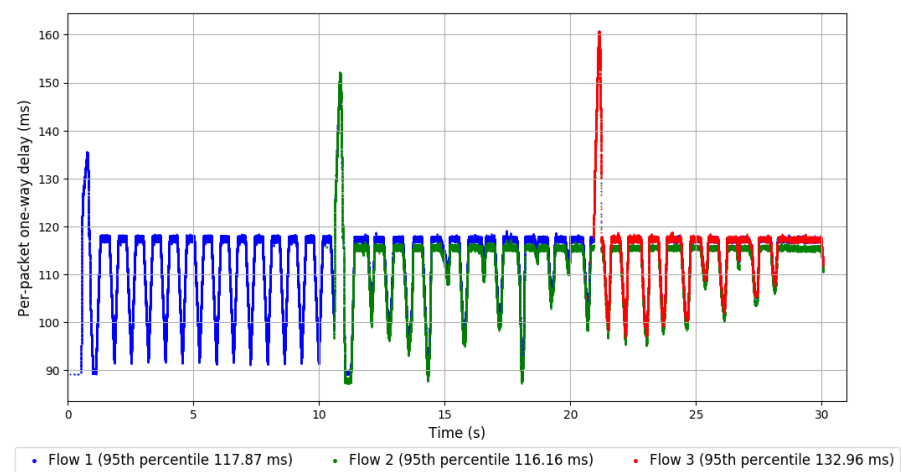
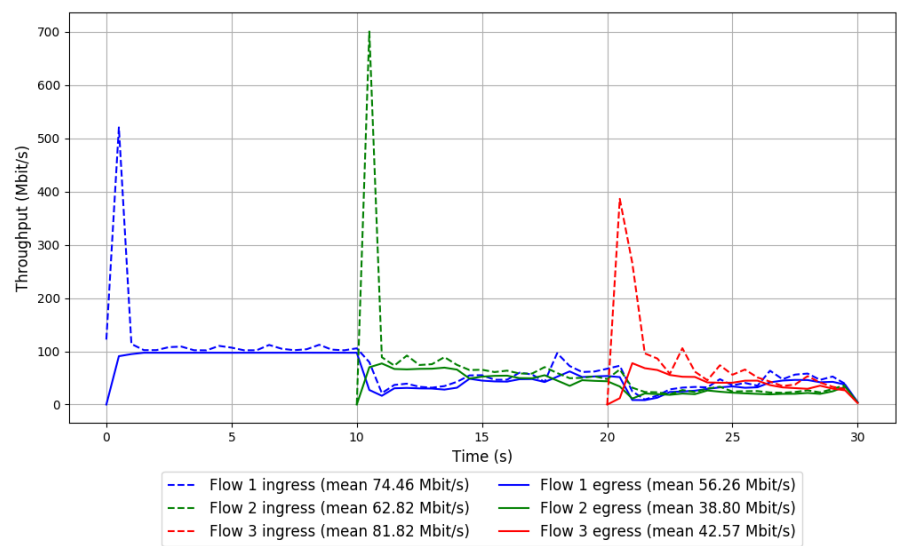
-- Flow 3:

Average throughput: 42.57 Mbit/s

95th percentile per-packet one-way delay: 132.958 ms

Loss rate: 49.59%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-13 19:48:48

End at: 2018-02-13 19:49:18

Local clock offset: -7.273 ms

Remote clock offset: 3.803 ms

Below is generated by plot.py at 2018-02-13 22:04:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 111.403 ms

Loss rate: 31.96%

-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 110.988 ms

Loss rate: 24.69%

-- Flow 2:

Average throughput: 37.68 Mbit/s

95th percentile per-packet one-way delay: 109.945 ms

Loss rate: 36.60%

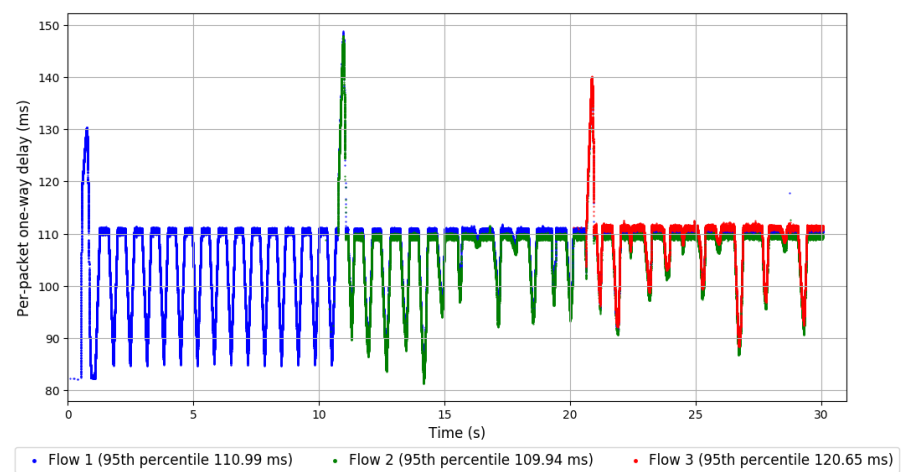
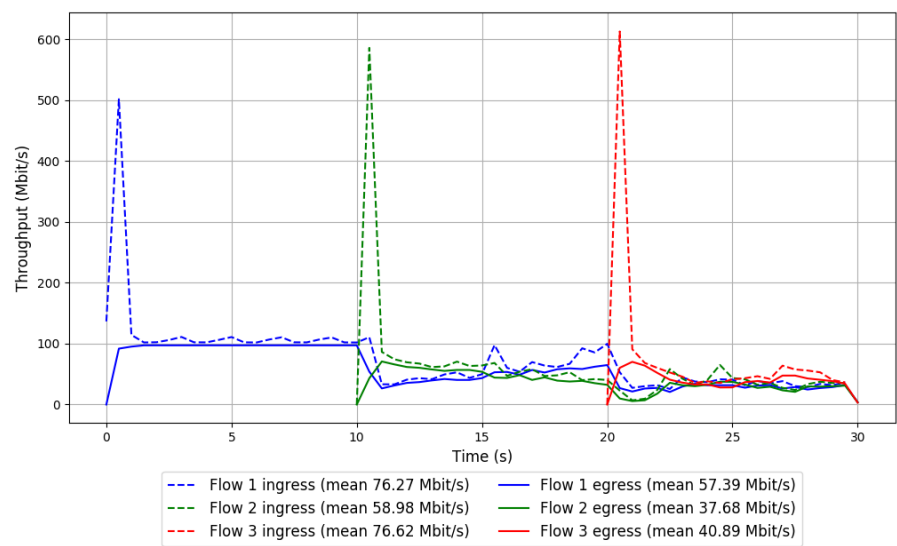
-- Flow 3:

Average throughput: 40.89 Mbit/s

95th percentile per-packet one-way delay: 120.653 ms

Loss rate: 46.63%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-13 20:12:23

End at: 2018-02-13 20:12:53

Local clock offset: 9.706 ms

Remote clock offset: 2.32 ms

Below is generated by plot.py at 2018-02-13 22:04:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 99.587 ms

Loss rate: 32.81%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 99.107 ms

Loss rate: 24.85%

-- Flow 2:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 99.751 ms

Loss rate: 39.38%

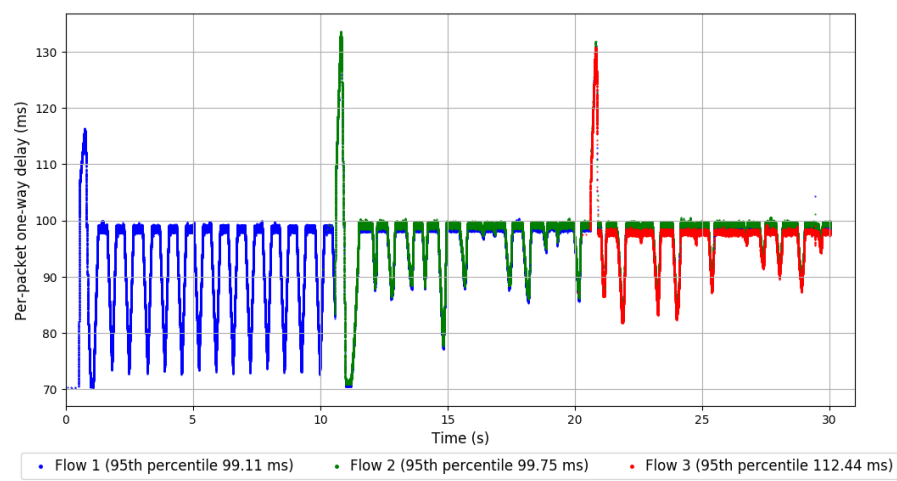
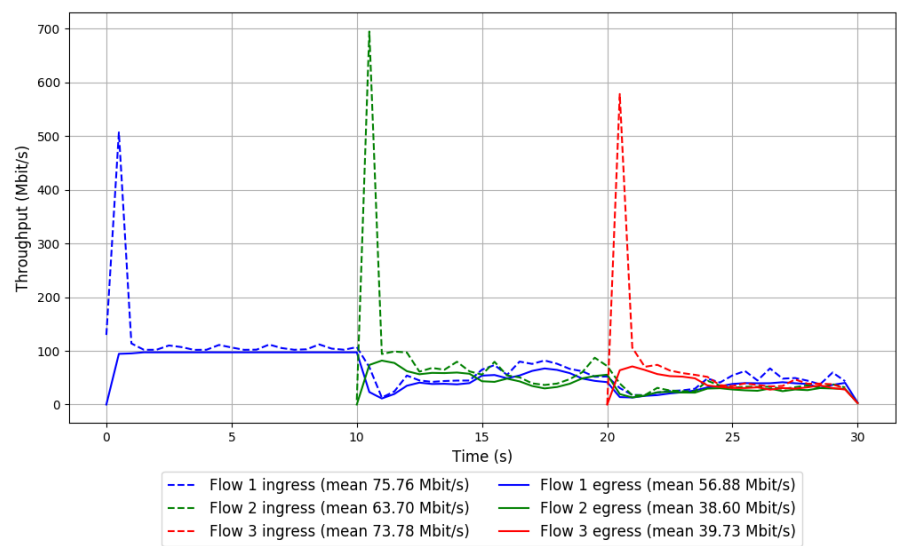
-- Flow 3:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 46.10%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-13 20:36:03

End at: 2018-02-13 20:36:33

Local clock offset: -6.412 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2018-02-13 22:04:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 117.180 ms

Loss rate: 31.89%

-- Flow 1:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 115.604 ms

Loss rate: 24.74%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 115.374 ms

Loss rate: 36.34%

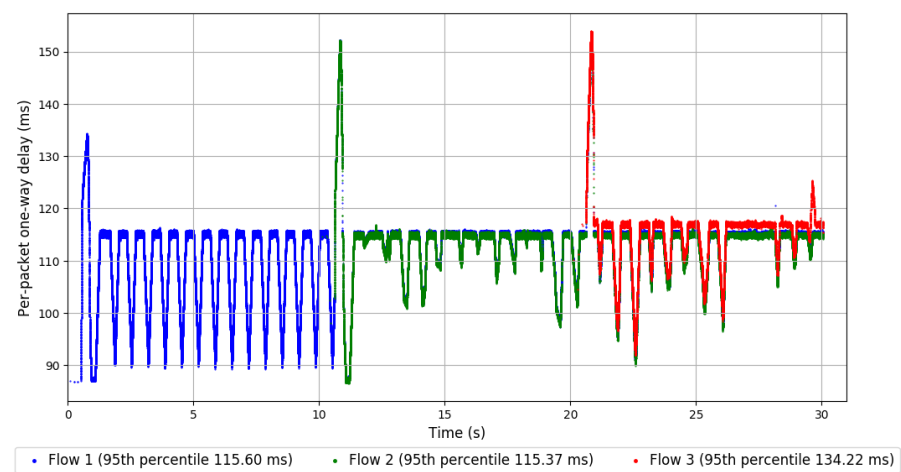
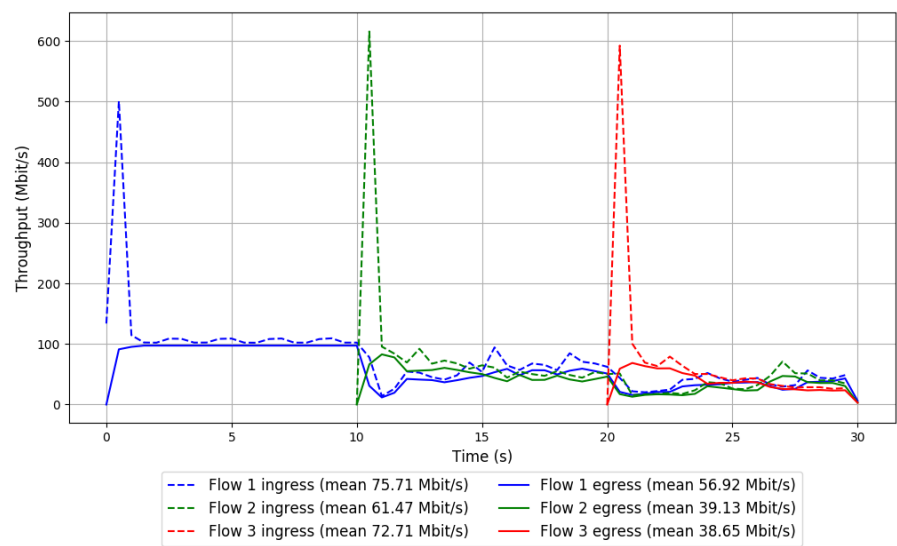
-- Flow 3:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 134.217 ms

Loss rate: 46.82%

Run 9: Report of FillP — Data Link

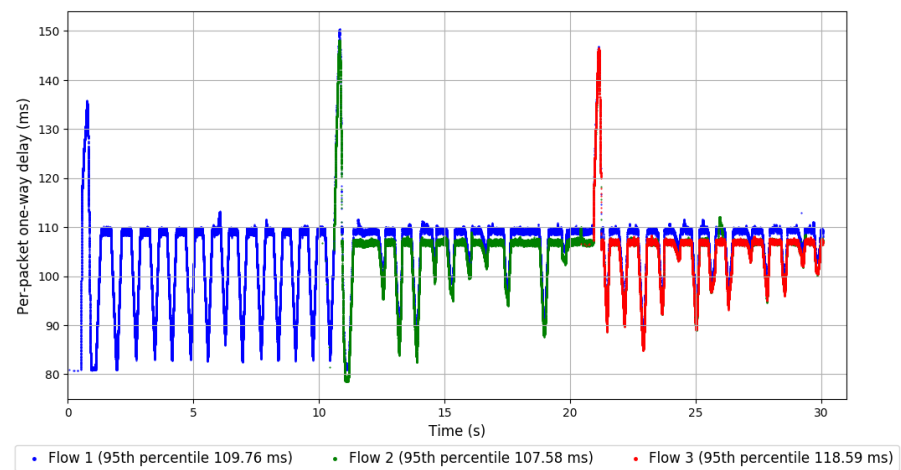
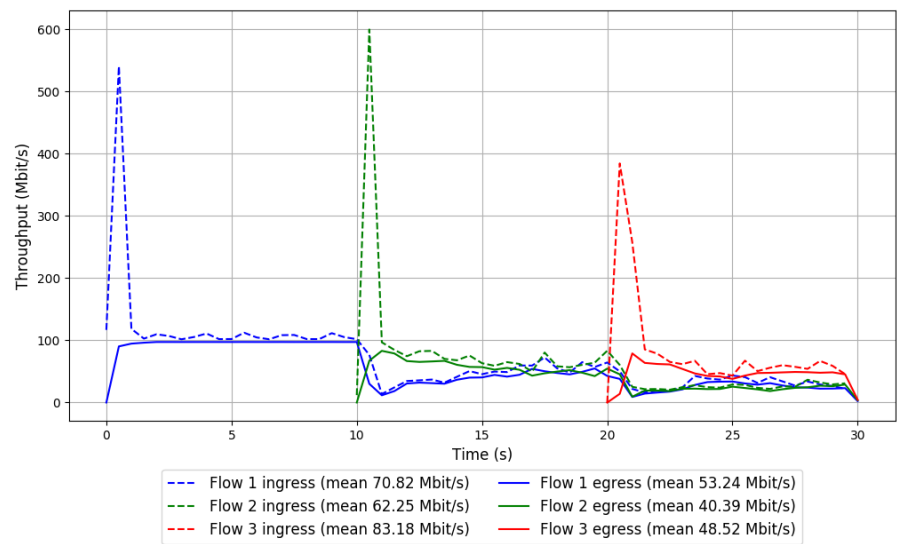


Run 10: Statistics of FillP

Start at: 2018-02-13 20:59:40
End at: 2018-02-13 21:00:10
Local clock offset: -3.244 ms
Remote clock offset: -3.327 ms

Below is generated by plot.py at 2018-02-13 22:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 109.710 ms
Loss rate: 31.51%
-- Flow 1:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 109.756 ms
Loss rate: 24.75%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 107.581 ms
Loss rate: 35.12%
-- Flow 3:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 118.588 ms
Loss rate: 43.45%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-13 17:41:16

End at: 2018-02-13 17:41:46

Local clock offset: -6.551 ms

Remote clock offset: 0.878 ms

Below is generated by plot.py at 2018-02-13 22:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 119.593 ms

Loss rate: 34.56%

-- Flow 1:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 117.781 ms

Loss rate: 16.89%

-- Flow 2:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 119.849 ms

Loss rate: 36.57%

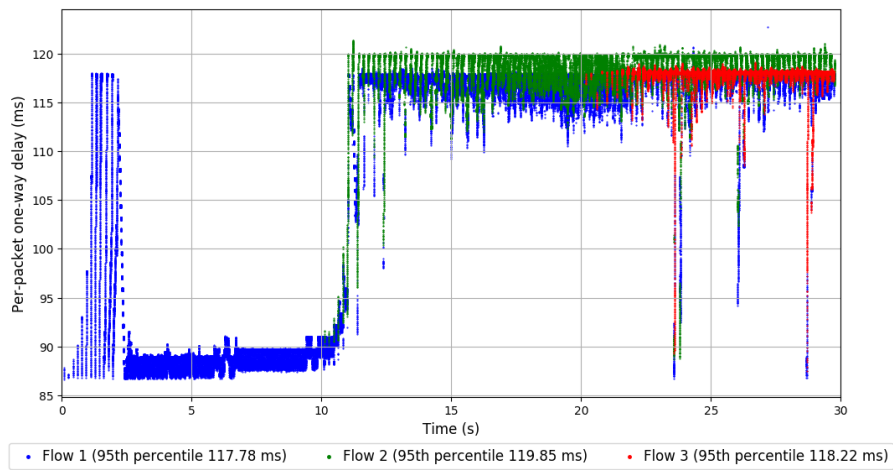
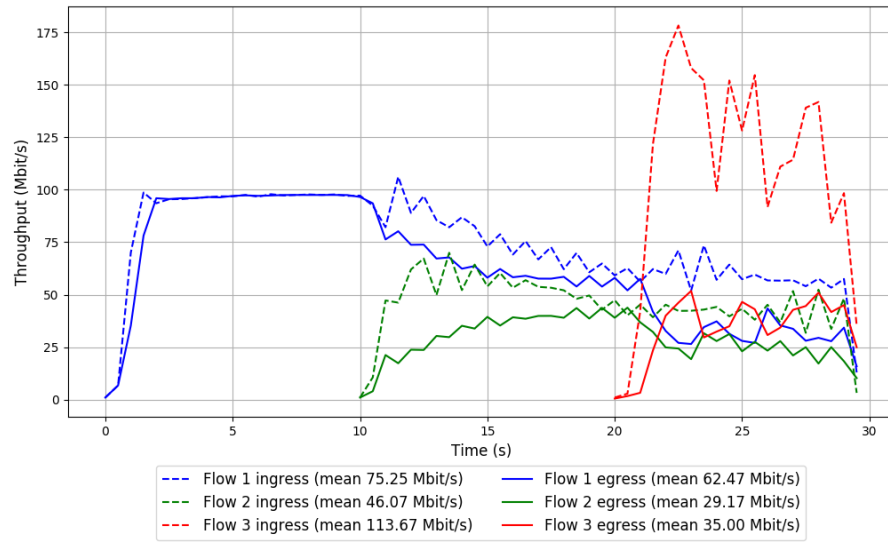
-- Flow 3:

Average throughput: 35.00 Mbit/s

95th percentile per-packet one-way delay: 118.217 ms

Loss rate: 69.20%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-13 18:04:53

End at: 2018-02-13 18:05:23

Local clock offset: -3.926 ms

Remote clock offset: -4.26 ms

Below is generated by plot.py at 2018-02-13 22:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 115.192 ms

Loss rate: 32.24%

-- Flow 1:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 112.933 ms

Loss rate: 12.70%

-- Flow 2:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 113.284 ms

Loss rate: 45.94%

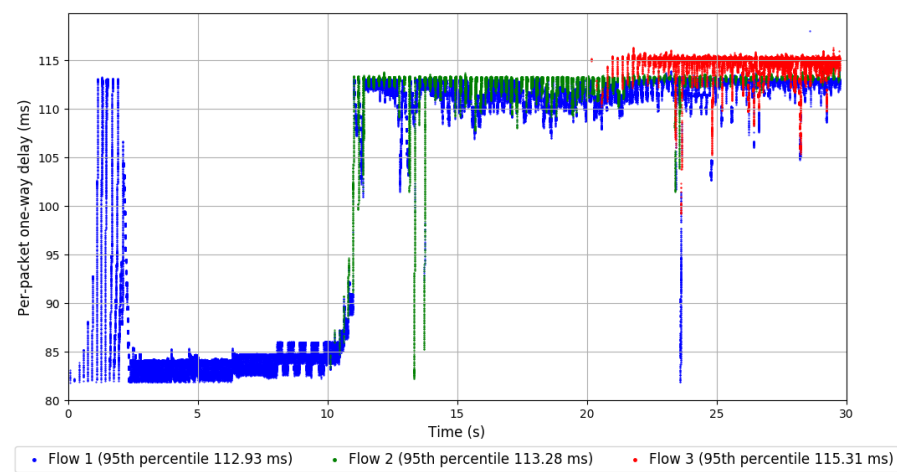
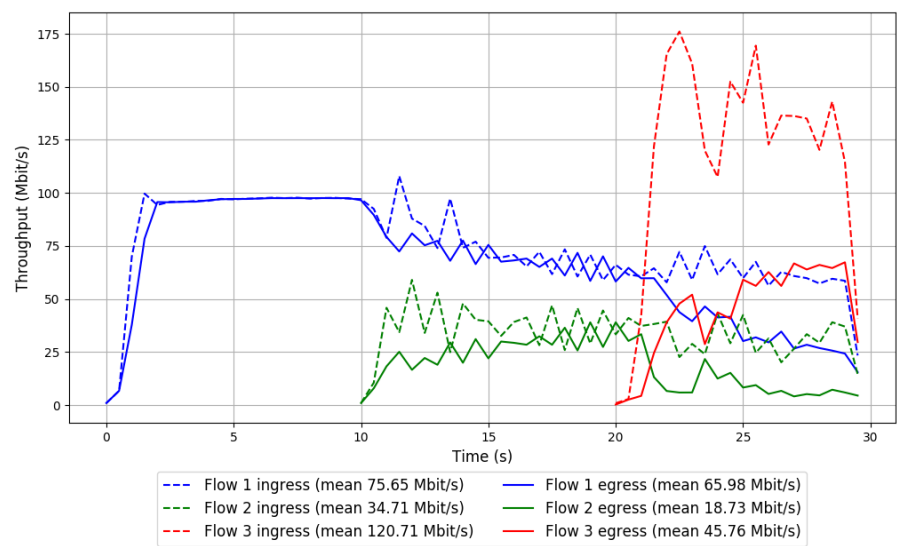
-- Flow 3:

Average throughput: 45.76 Mbit/s

95th percentile per-packet one-way delay: 115.315 ms

Loss rate: 62.09%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-13 18:28:29

End at: 2018-02-13 18:28:59

Local clock offset: -3.57 ms

Remote clock offset: 1.675 ms

Below is generated by plot.py at 2018-02-13 22:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 120.033 ms

Loss rate: 36.01%

-- Flow 1:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 119.016 ms

Loss rate: 17.68%

-- Flow 2:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 120.248 ms

Loss rate: 41.51%

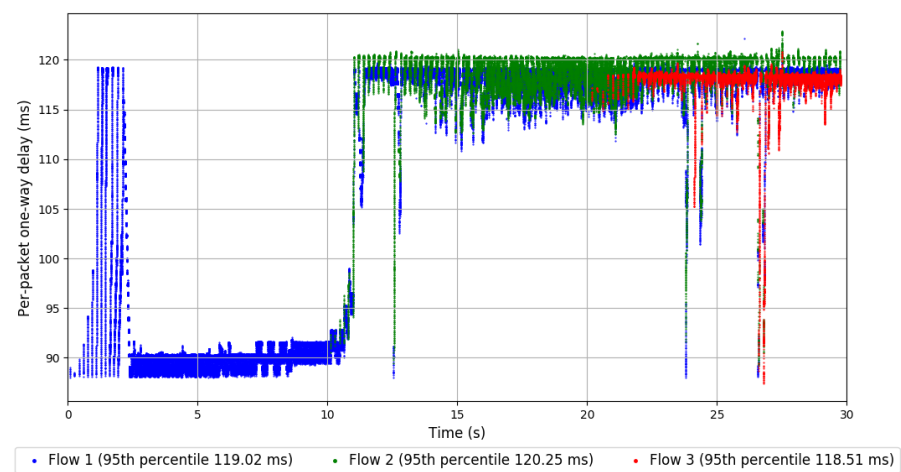
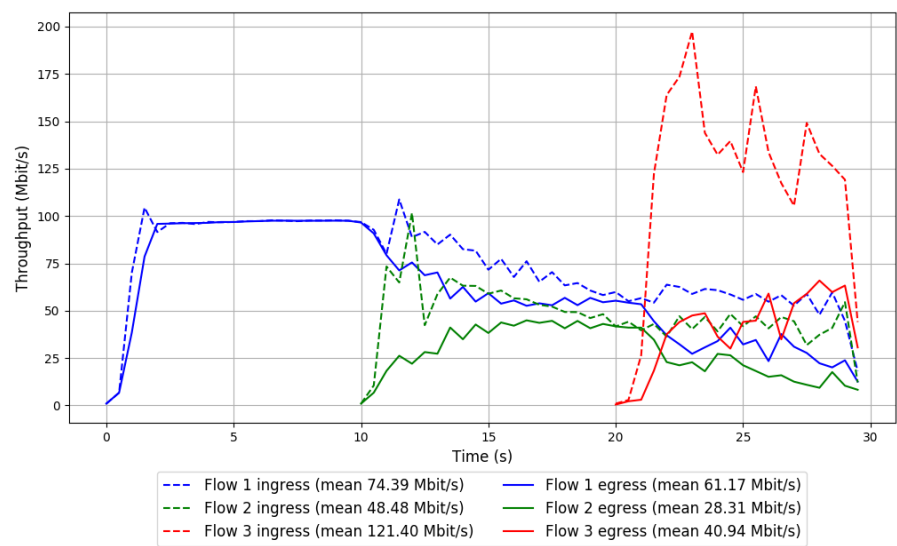
-- Flow 3:

Average throughput: 40.94 Mbit/s

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

Loss rate: 66.27%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-13 18:52:05

End at: 2018-02-13 18:52:35

Local clock offset: -4.739 ms

Remote clock offset: 2.059 ms

Below is generated by plot.py at 2018-02-13 22:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 119.721 ms

Loss rate: 32.43%

-- Flow 1:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 119.750 ms

Loss rate: 13.33%

-- Flow 2:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 118.147 ms

Loss rate: 42.30%

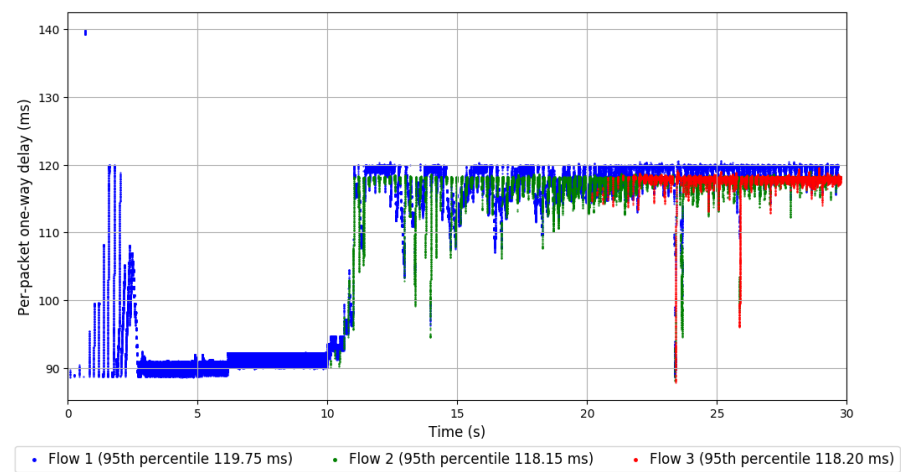
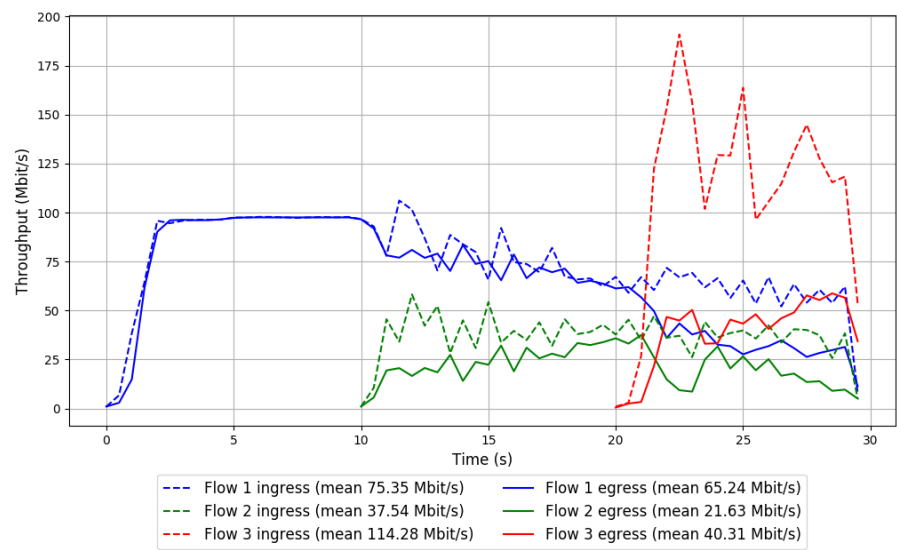
-- Flow 3:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 118.204 ms

Loss rate: 64.71%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-13 19:15:49

End at: 2018-02-13 19:16:19

Local clock offset: -4.201 ms

Remote clock offset: 2.315 ms

Below is generated by plot.py at 2018-02-13 22:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 120.824 ms

Loss rate: 29.52%

-- Flow 1:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 120.826 ms

Loss rate: 7.34%

-- Flow 2:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 120.493 ms

Loss rate: 43.46%

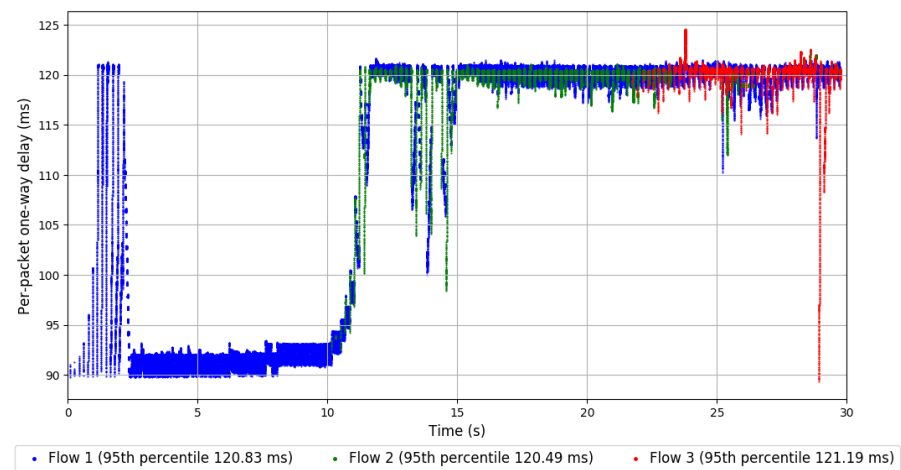
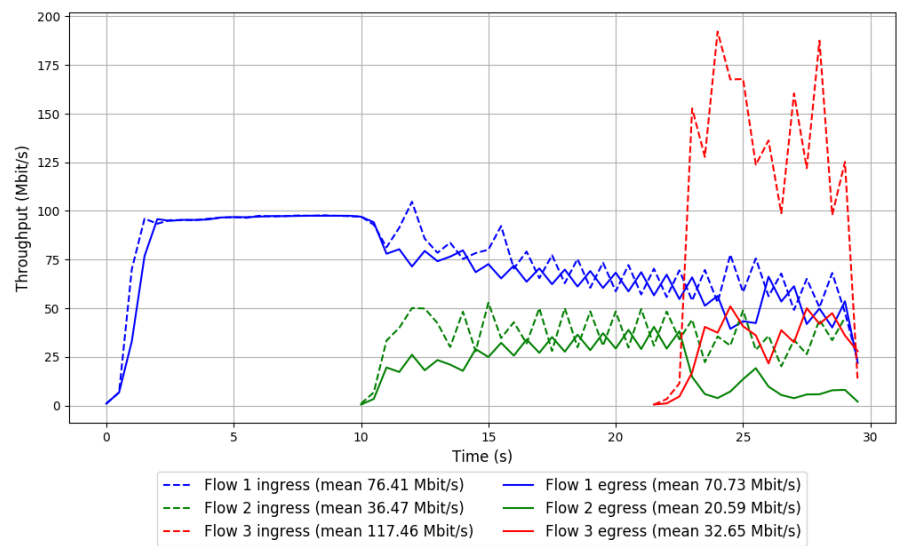
-- Flow 3:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 121.193 ms

Loss rate: 72.20%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-13 19:39:27

End at: 2018-02-13 19:39:57

Local clock offset: -5.95 ms

Remote clock offset: 3.075 ms

Below is generated by plot.py at 2018-02-13 22:05:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 114.584 ms

Loss rate: 39.91%

-- Flow 1:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 114.409 ms

Loss rate: 21.92%

-- Flow 2:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 114.764 ms

Loss rate: 39.03%

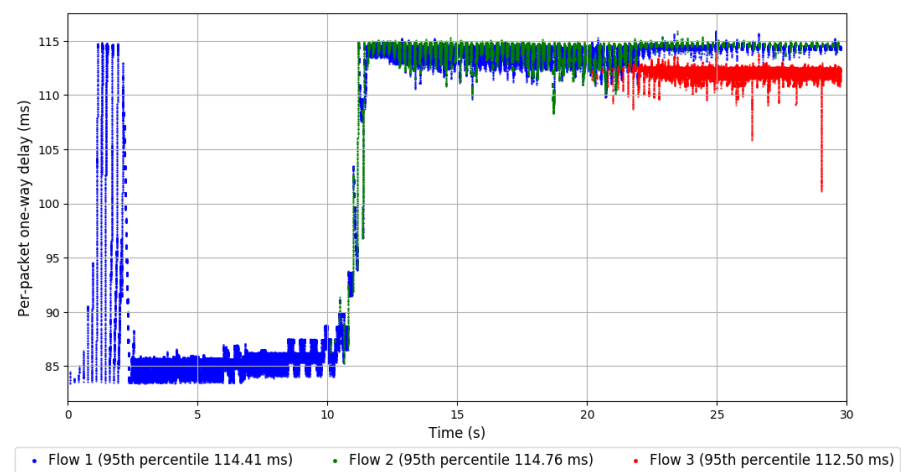
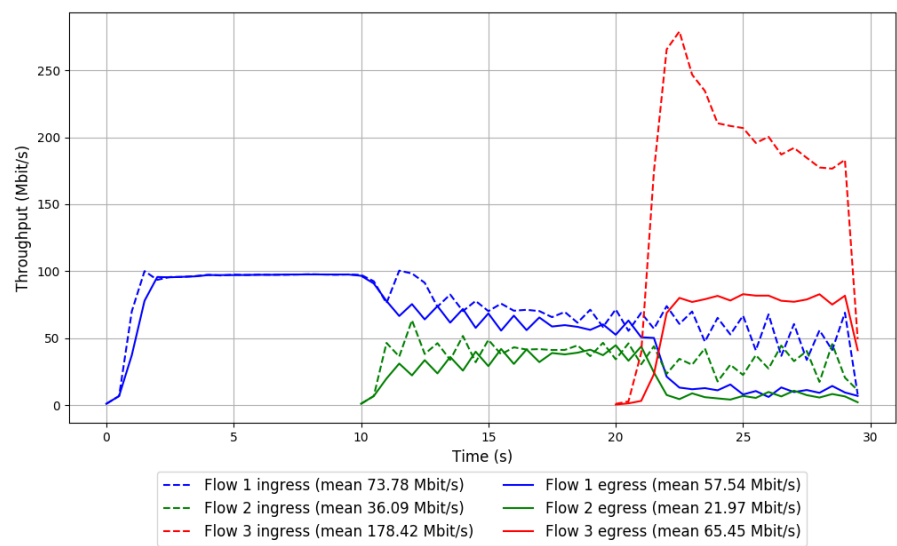
-- Flow 3:

Average throughput: 65.45 Mbit/s

95th percentile per-packet one-way delay: 112.500 ms

Loss rate: 63.31%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 20:03:16

End at: 2018-02-13 20:03:46

Local clock offset: -4.431 ms

Remote clock offset: 5.371 ms

Below is generated by plot.py at 2018-02-13 22:05:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 114.775 ms

Loss rate: 30.86%

-- Flow 1:

Average throughput: 64.34 Mbit/s

95th percentile per-packet one-way delay: 114.823 ms

Loss rate: 14.14%

-- Flow 2:

Average throughput: 23.47 Mbit/s

95th percentile per-packet one-way delay: 113.766 ms

Loss rate: 32.90%

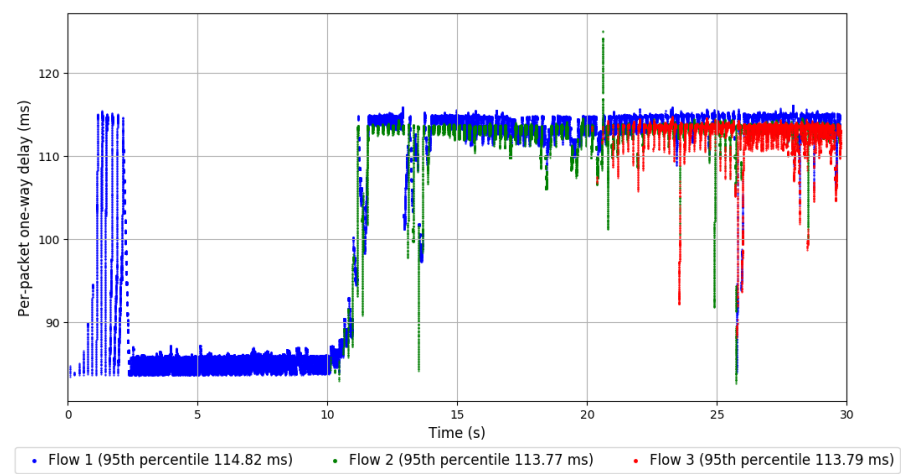
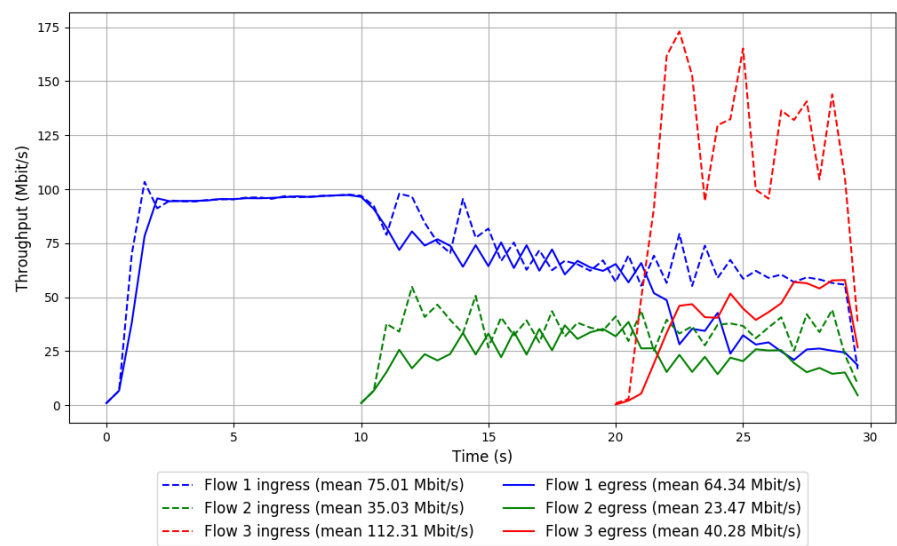
-- Flow 3:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 113.790 ms

Loss rate: 64.14%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 20:26:54

End at: 2018-02-13 20:27:24

Local clock offset: 12.424 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-02-13 22:05:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 100.677 ms

Loss rate: 30.98%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 99.458 ms

Loss rate: 18.79%

-- Flow 2:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 100.878 ms

Loss rate: 35.37%

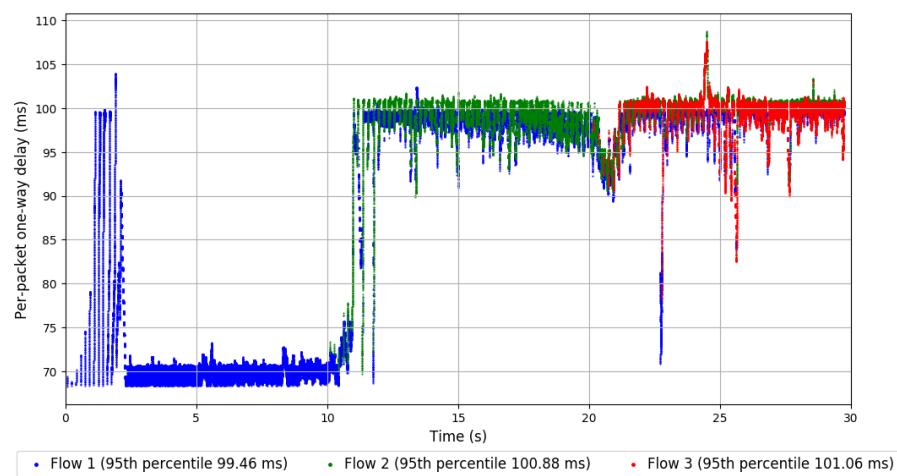
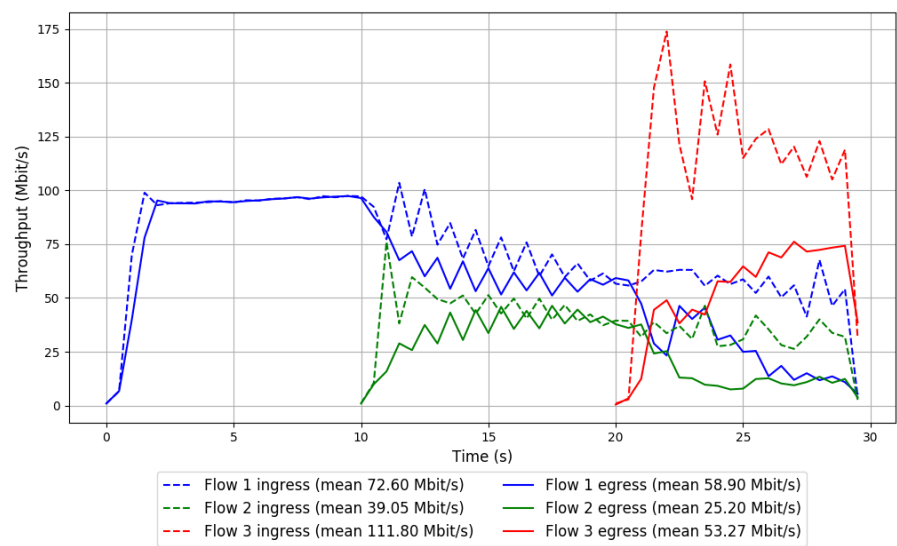
-- Flow 3:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 101.057 ms

Loss rate: 52.33%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 20:50:29

End at: 2018-02-13 20:50:59

Local clock offset: -3.296 ms

Remote clock offset: -3.62 ms

Below is generated by plot.py at 2018-02-13 22:05:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 111.789 ms

Loss rate: 35.96%

-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 111.611 ms

Loss rate: 16.56%

-- Flow 2:

Average throughput: 20.46 Mbit/s

95th percentile per-packet one-way delay: 110.562 ms

Loss rate: 44.75%

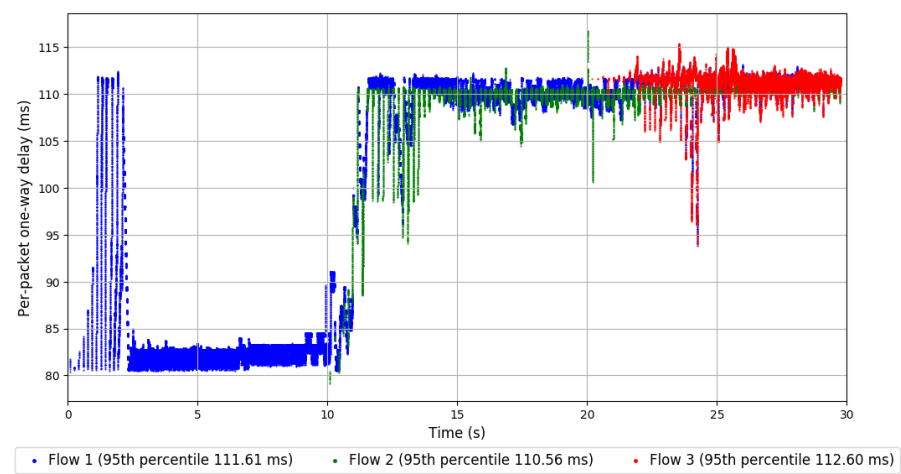
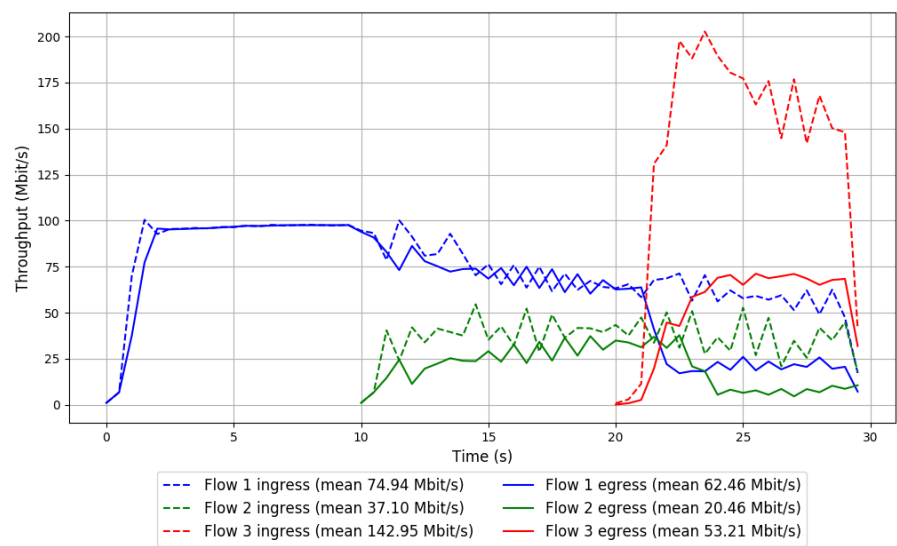
-- Flow 3:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 112.602 ms

Loss rate: 62.78%

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

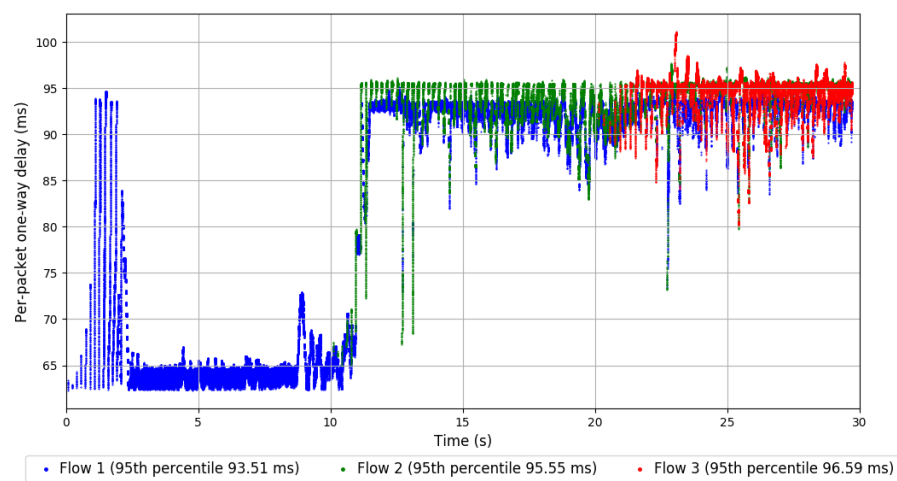
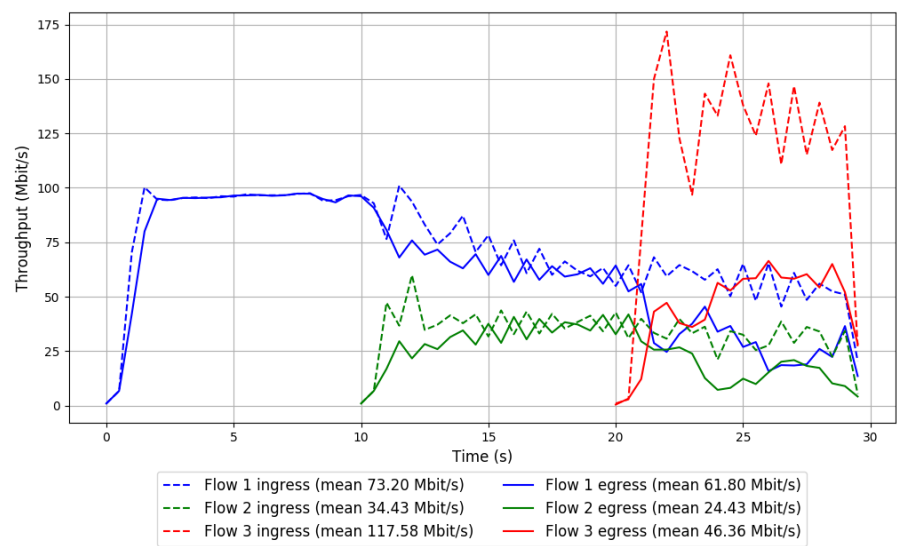


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 21:14:07
End at: 2018-02-13 21:14:37
Local clock offset: 13.173 ms
Remote clock offset: -4.229 ms

Below is generated by plot.py at 2018-02-13 22:05:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 95.474 ms
Loss rate: 30.57%
-- Flow 1:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 93.510 ms
Loss rate: 15.49%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 95.552 ms
Loss rate: 28.94%
-- Flow 3:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 96.592 ms
Loss rate: 60.56%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 17:32:01

End at: 2018-02-13 17:32:31

Local clock offset: -6.818 ms

Remote clock offset: 0.945 ms

Below is generated by plot.py at 2018-02-13 22:05:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.08 Mbit/s

95th percentile per-packet one-way delay: 115.872 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 115.680 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 117.358 ms

Loss rate: 0.48%

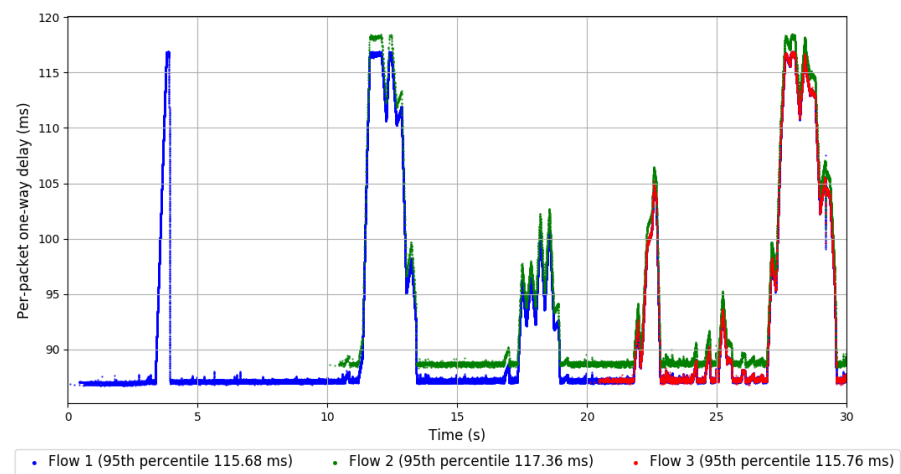
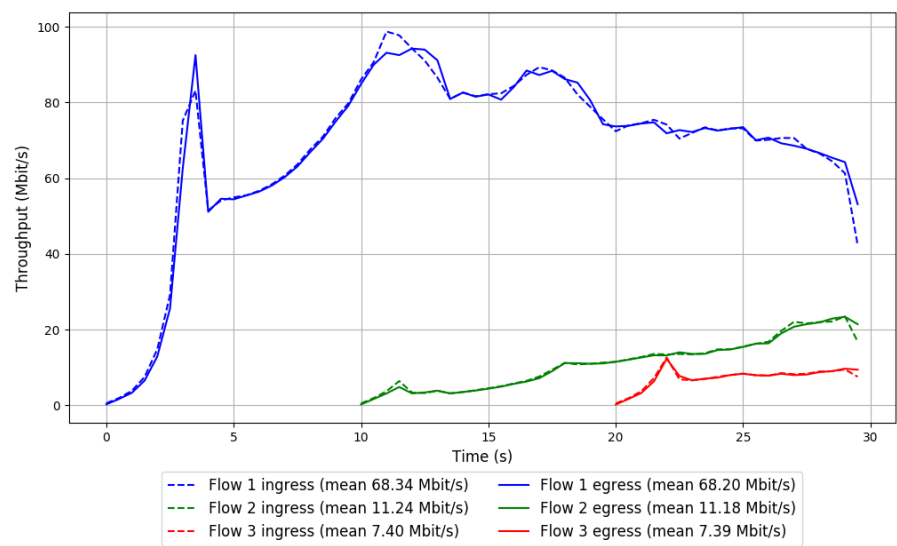
-- Flow 3:

Average throughput: 7.39 Mbit/s

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

Loss rate: 0.06%

Run 1: Report of Vivace-latency — Data Link

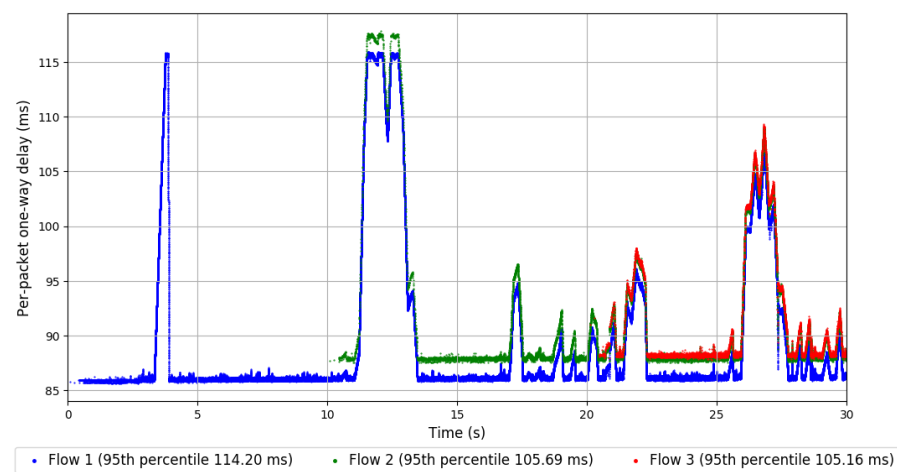
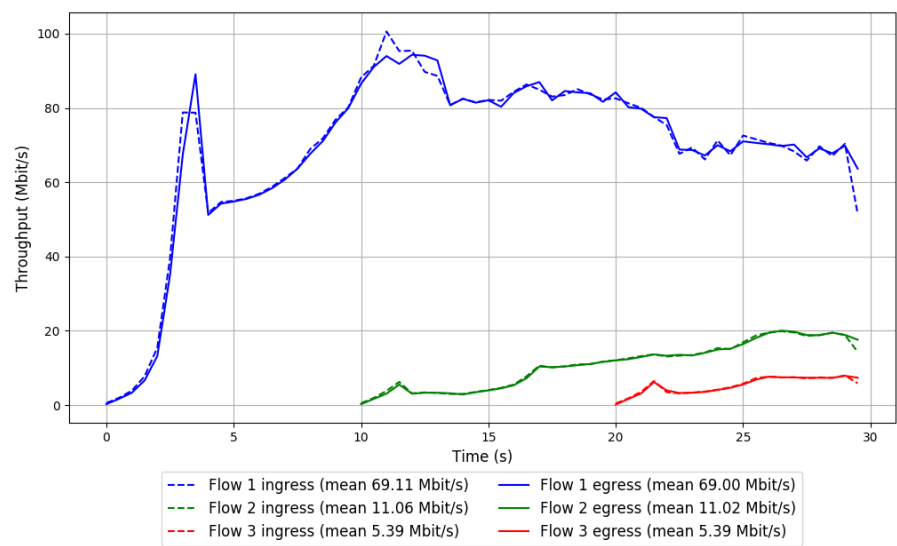


Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 17:55:41
End at: 2018-02-13 17:56:11
Local clock offset: -5.108 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-02-13 22:06:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 113.202 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 114.202 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 105.685 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 105.157 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

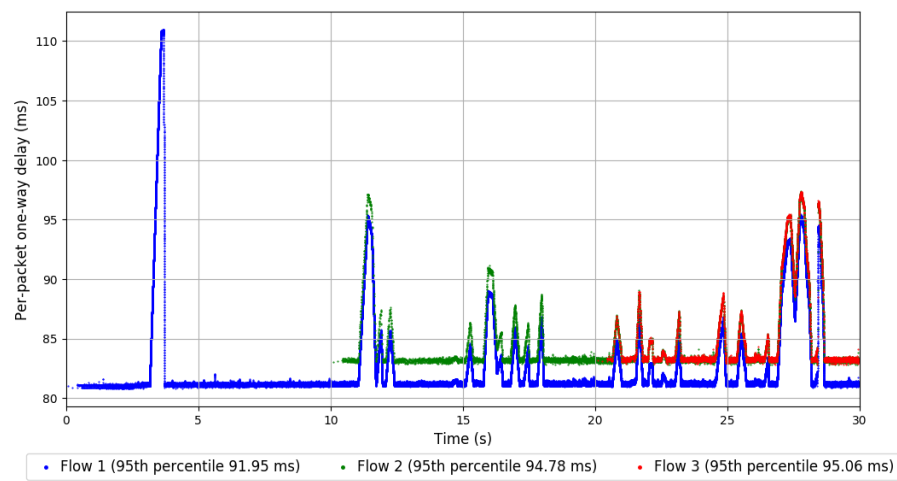
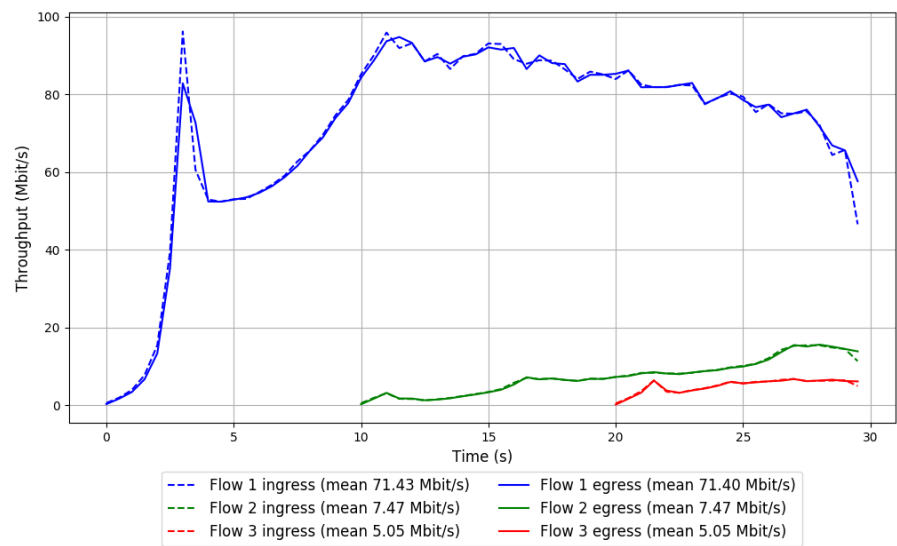


Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 18:19:13
End at: 2018-02-13 18:19:43
Local clock offset: -2.963 ms
Remote clock offset: -4.675 ms

Below is generated by plot.py at 2018-02-13 22:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 92.474 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 91.949 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 94.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 95.065 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 18:42:51

End at: 2018-02-13 18:43:21

Local clock offset: -4.691 ms

Remote clock offset: 2.053 ms

Below is generated by plot.py at 2018-02-13 22:06:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.57 Mbit/s

95th percentile per-packet one-way delay: 100.046 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 71.90 Mbit/s

95th percentile per-packet one-way delay: 99.924 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 100.539 ms

Loss rate: 0.00%

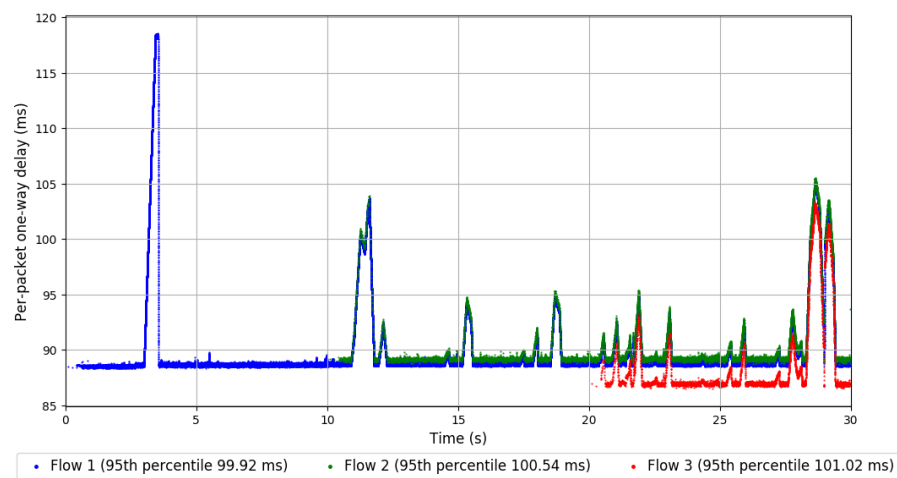
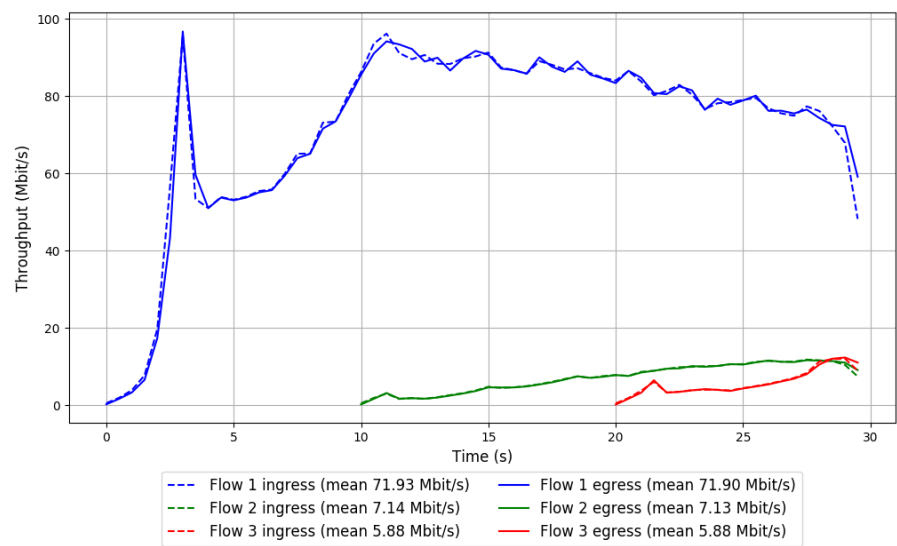
-- Flow 3:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 101.020 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 19:06:36

End at: 2018-02-13 19:07:06

Local clock offset: -4.408 ms

Remote clock offset: 2.351 ms

Below is generated by plot.py at 2018-02-13 22:07:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 108.429 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 108.375 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 109.094 ms

Loss rate: 0.09%

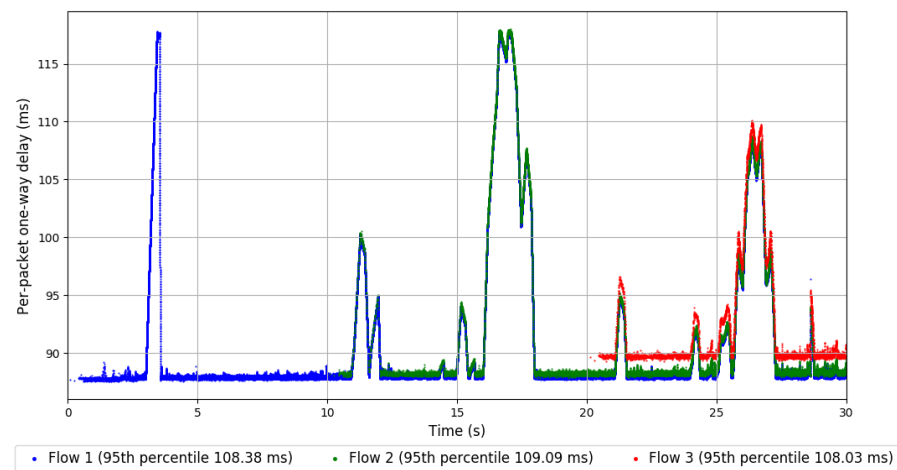
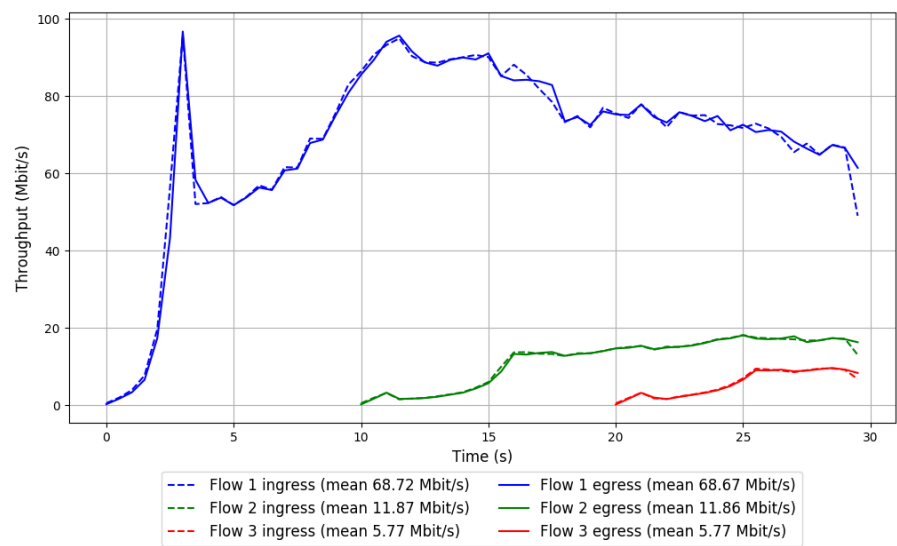
-- Flow 3:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 108.032 ms

Loss rate: 0.02%

Run 5: Report of Vivace-latency — Data Link

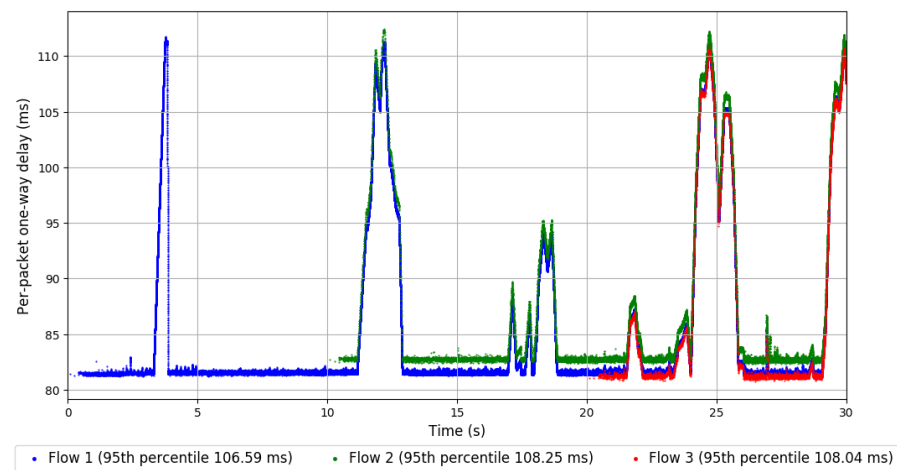
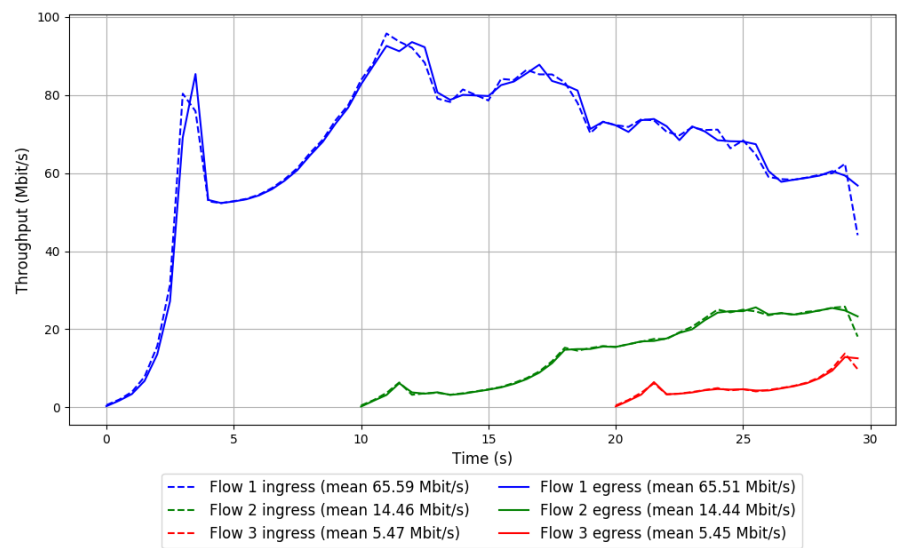


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 19:30:14
End at: 2018-02-13 19:30:44
Local clock offset: -3.994 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-02-13 22:07:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 106.886 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 106.586 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 108.247 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 108.036 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 19:54:03

End at: 2018-02-13 19:54:33

Local clock offset: -7.781 ms

Remote clock offset: 9.252 ms

Below is generated by plot.py at 2018-02-13 22:07:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.64 Mbit/s

95th percentile per-packet one-way delay: 116.566 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 66.06 Mbit/s

95th percentile per-packet one-way delay: 115.939 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 117.398 ms

Loss rate: 0.42%

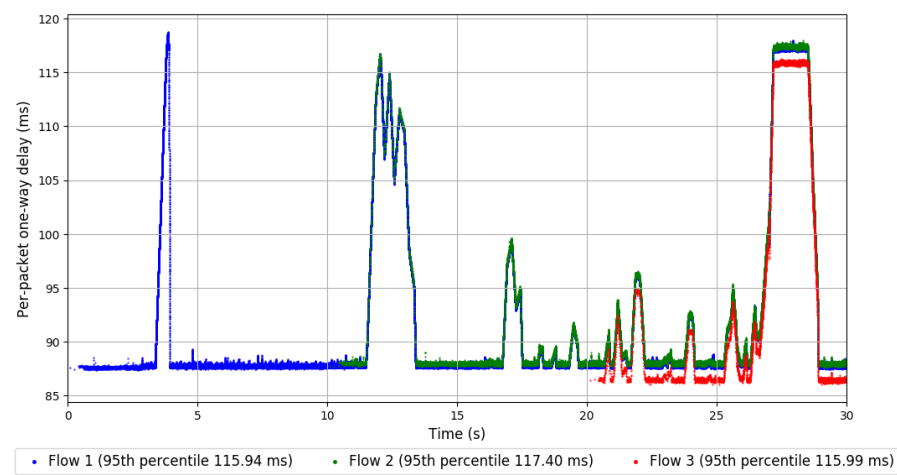
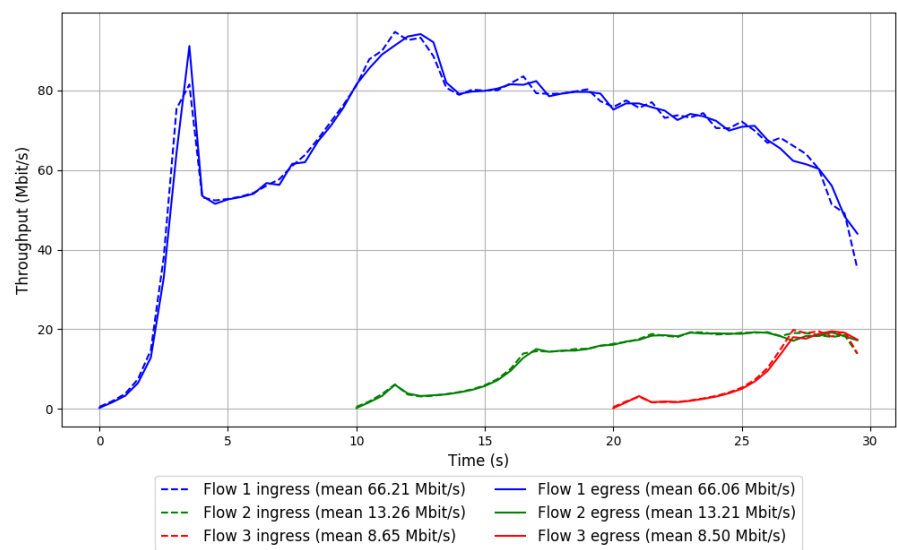
-- Flow 3:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 115.990 ms

Loss rate: 1.75%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 20:17:39

End at: 2018-02-13 20:18:09

Local clock offset: 7.271 ms

Remote clock offset: 2.053 ms

Below is generated by plot.py at 2018-02-13 22:07:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 103.324 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 54.93 Mbit/s

95th percentile per-packet one-way delay: 103.956 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 27.51 Mbit/s

95th percentile per-packet one-way delay: 103.124 ms

Loss rate: 0.79%

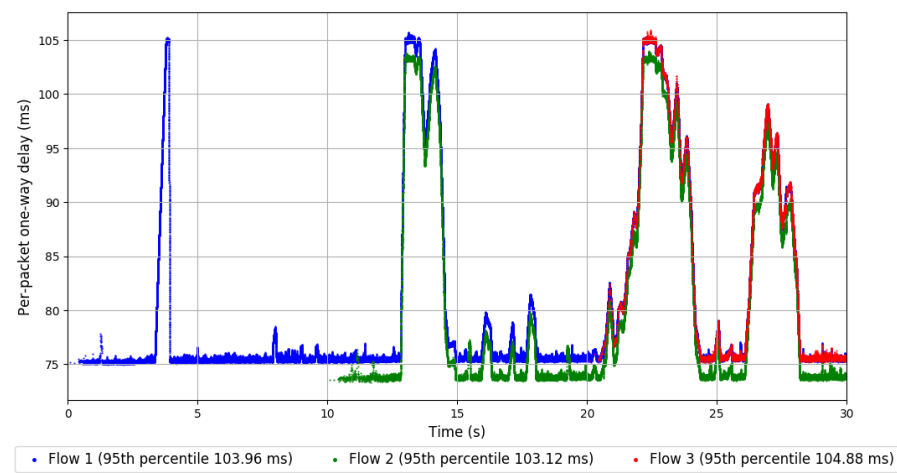
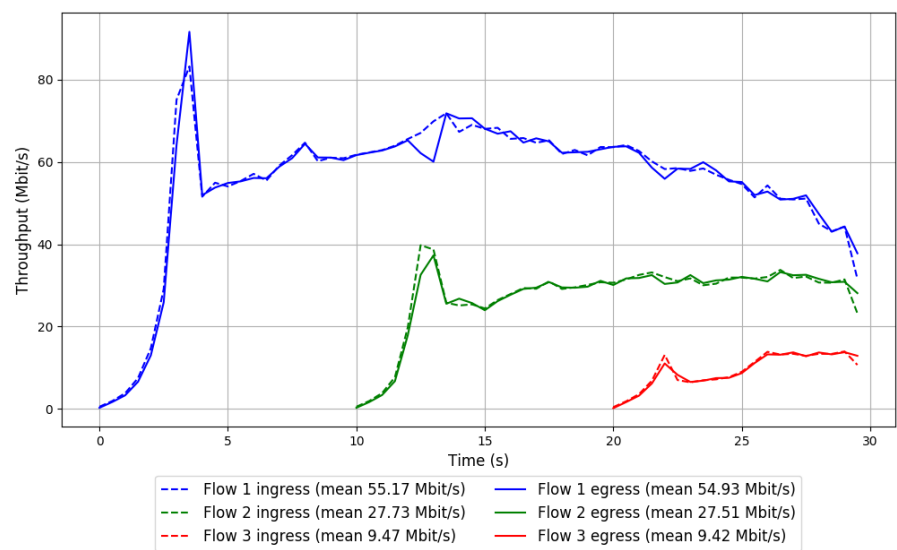
-- Flow 3:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 104.876 ms

Loss rate: 0.49%

Run 8: Report of Vivace-latency — Data Link

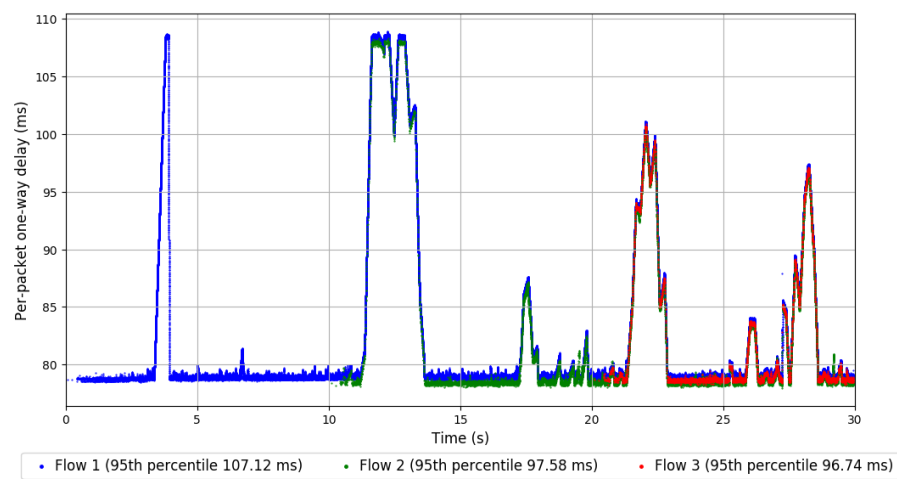
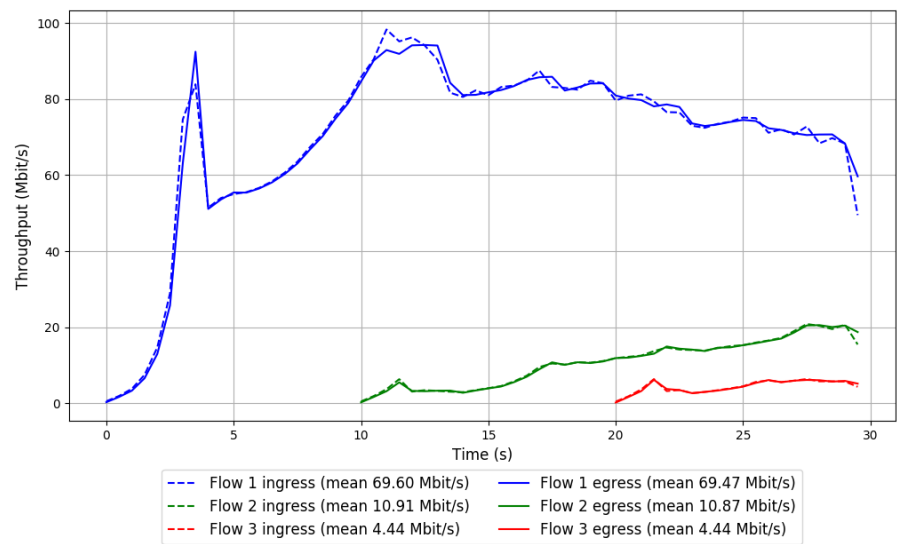


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 20:41:16
End at: 2018-02-13 20:41:46
Local clock offset: -0.992 ms
Remote clock offset: -3.441 ms

Below is generated by plot.py at 2018-02-13 22:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 106.075 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 107.122 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 97.579 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 96.743 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 21:04:55

End at: 2018-02-13 21:05:25

Local clock offset: -5.144 ms

Remote clock offset: 1.582 ms

Below is generated by plot.py at 2018-02-13 22:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.47 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 62.88 Mbit/s

95th percentile per-packet one-way delay: 113.155 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 112.567 ms

Loss rate: 0.14%

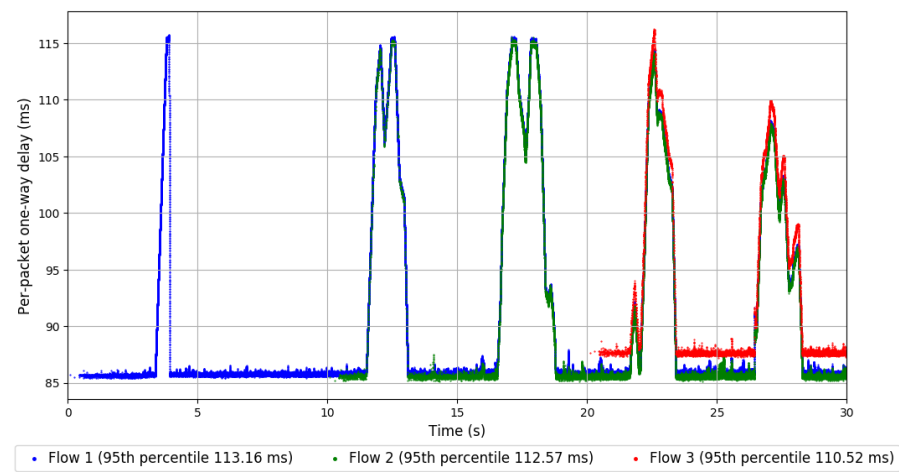
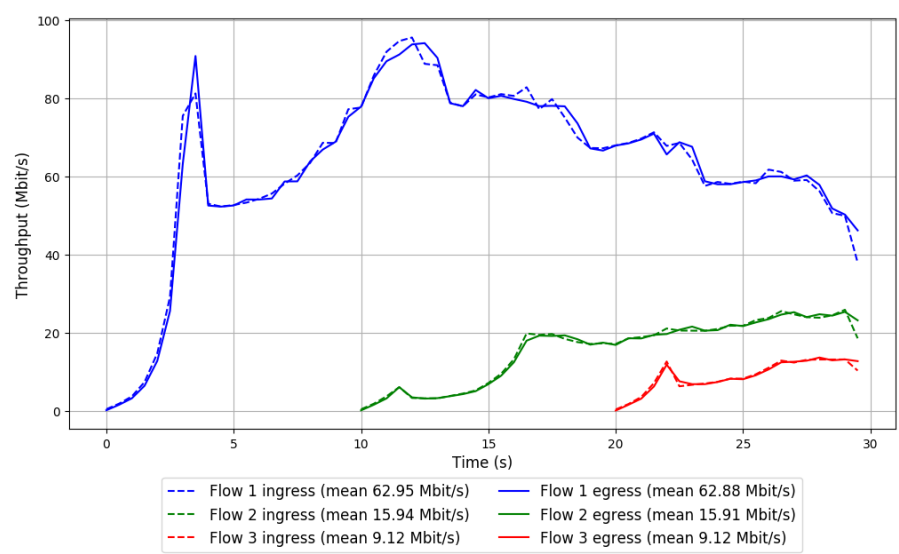
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 110.515 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

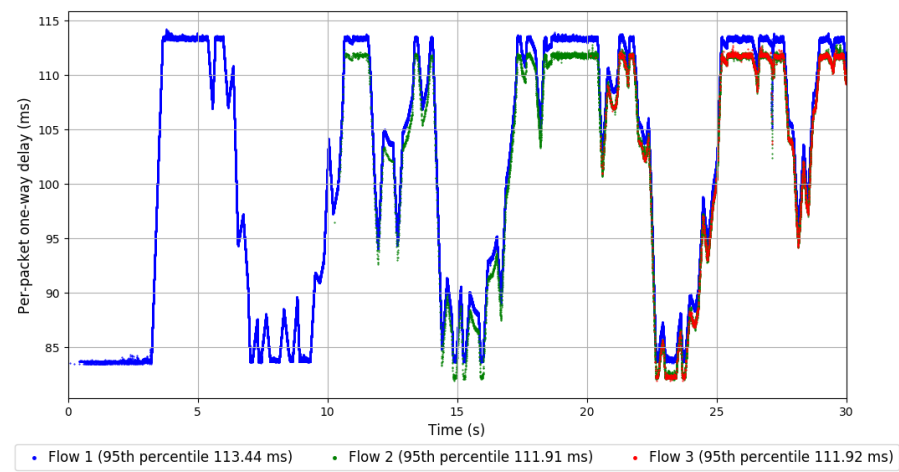
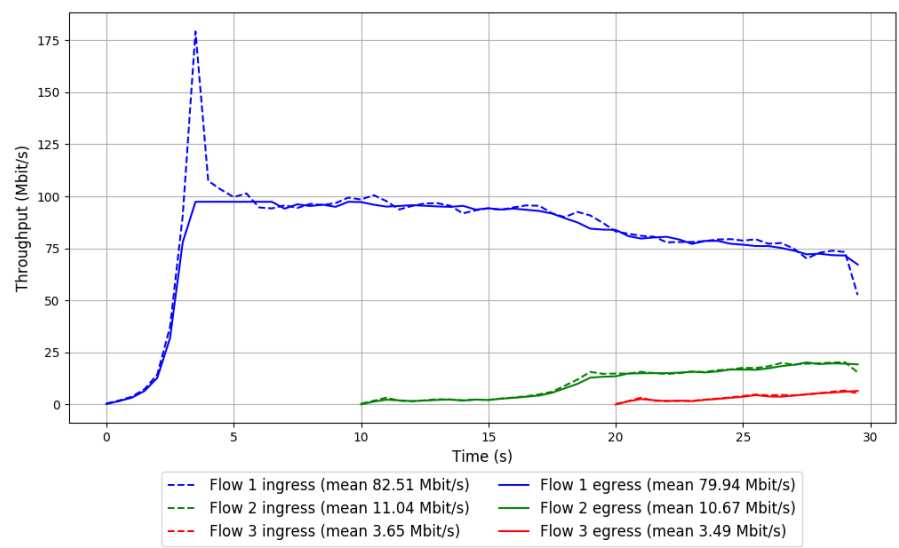


Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 17:39:54
End at: 2018-02-13 17:40:24
Local clock offset: -6.65 ms
Remote clock offset: -4.027 ms

Below is generated by plot.py at 2018-02-13 22:08:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 113.437 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 113.444 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 111.906 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 111.916 ms
Loss rate: 4.50%

Run 1: Report of Vivace-loss — Data Link

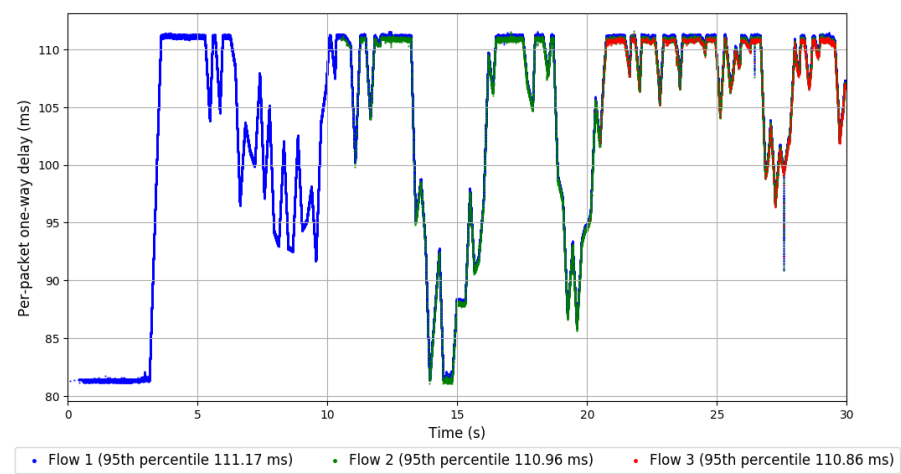
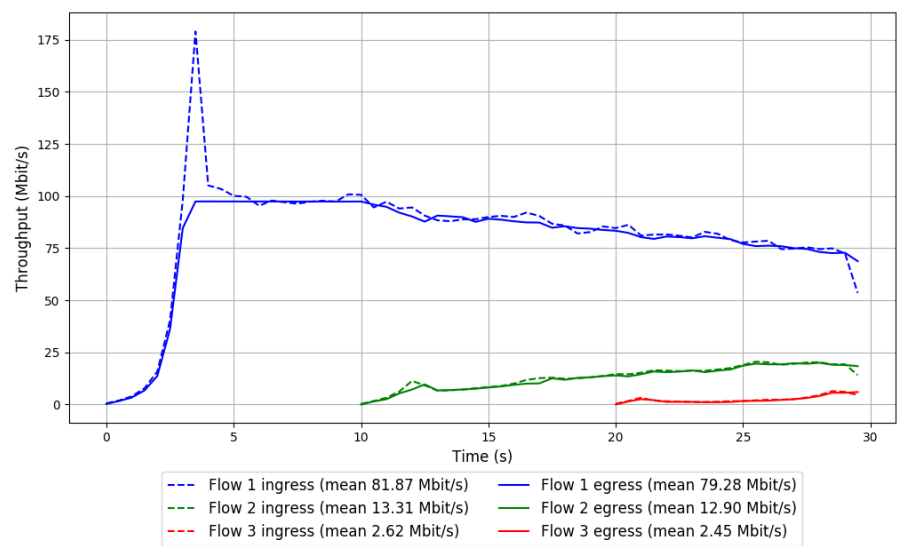


Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 18:03:32
End at: 2018-02-13 18:04:02
Local clock offset: -4.078 ms
Remote clock offset: -5.039 ms

Below is generated by plot.py at 2018-02-13 22:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 111.166 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 111.172 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 110.964 ms
Loss rate: 3.08%
-- Flow 3:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 110.865 ms
Loss rate: 6.54%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 18:27:07

End at: 2018-02-13 18:27:37

Local clock offset: -3.348 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2018-02-13 22:08:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 115.560 ms

Loss rate: 2.78%

-- Flow 1:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 115.555 ms

Loss rate: 2.74%

-- Flow 2:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 115.192 ms

Loss rate: 3.08%

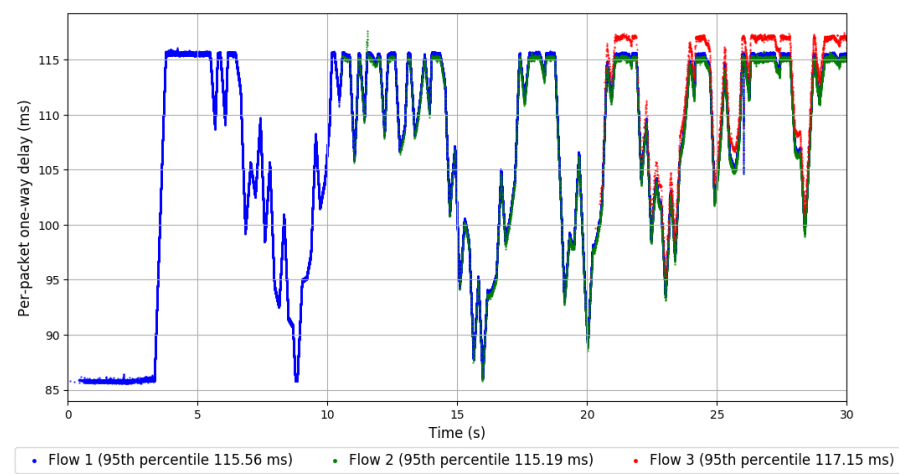
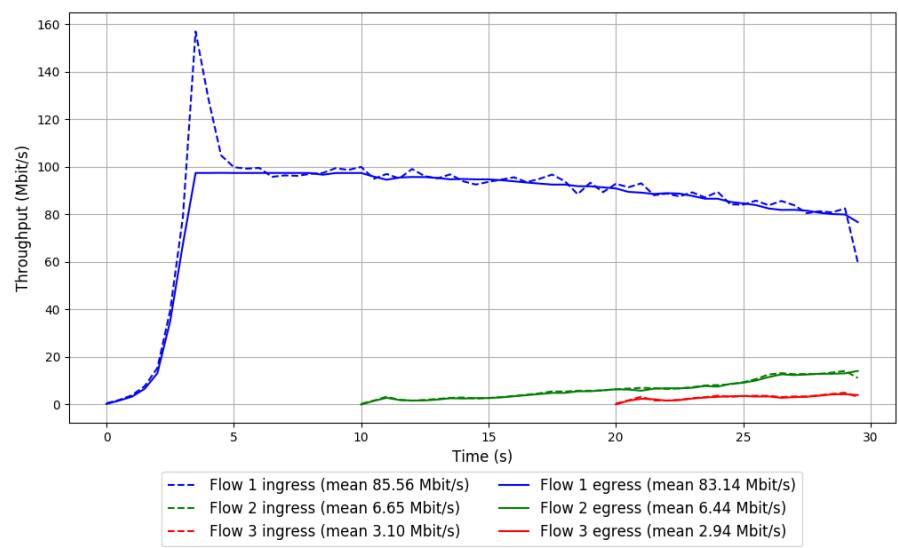
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 117.152 ms

Loss rate: 5.16%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 18:50:44

End at: 2018-02-13 18:51:14

Local clock offset: -4.728 ms

Remote clock offset: 2.075 ms

Below is generated by plot.py at 2018-02-13 22:08:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 116.738 ms

Loss rate: 3.08%

-- Flow 1:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 116.690 ms

Loss rate: 3.03%

-- Flow 2:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 118.189 ms

Loss rate: 3.79%

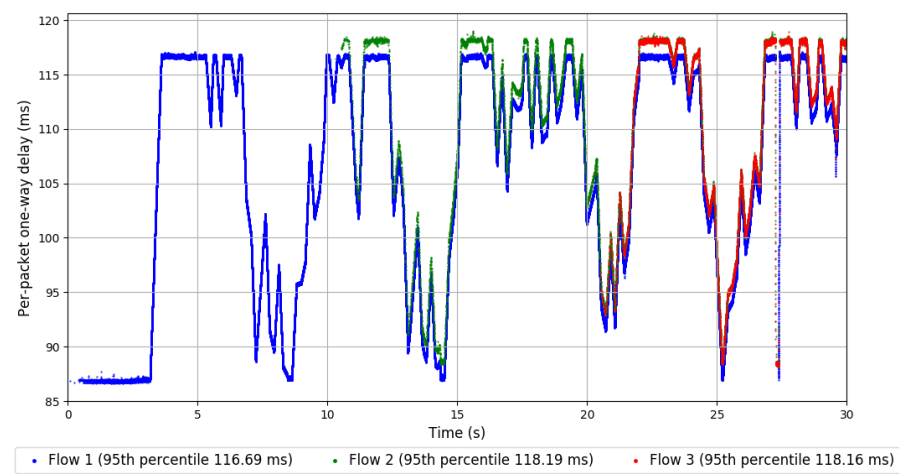
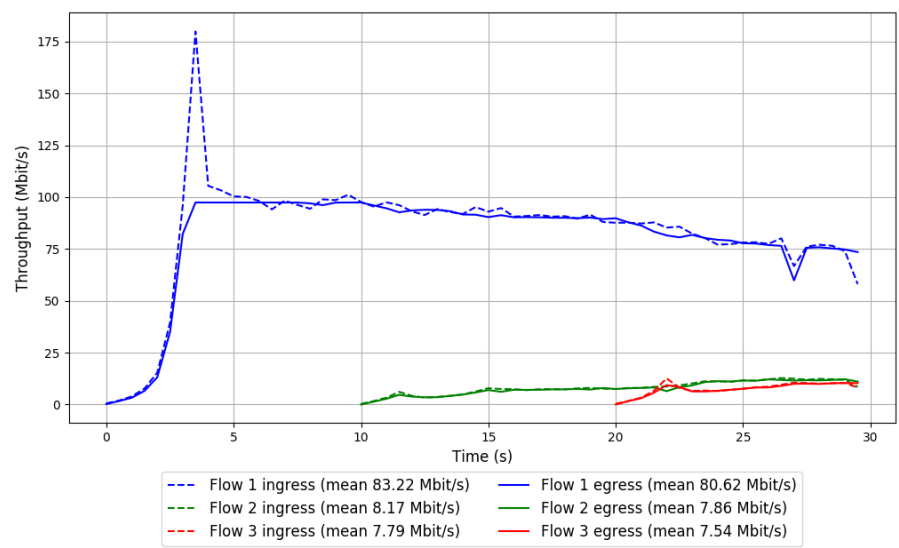
-- Flow 3:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 118.157 ms

Loss rate: 3.15%

Run 4: Report of Vivace-loss — Data Link

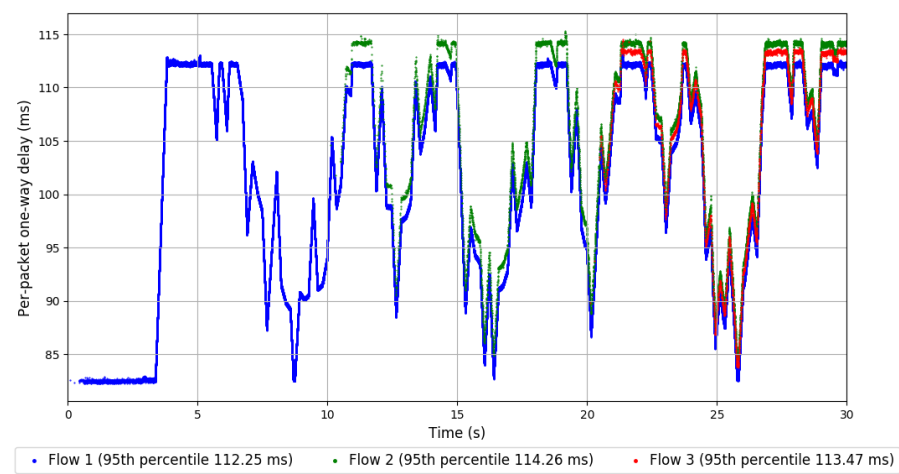
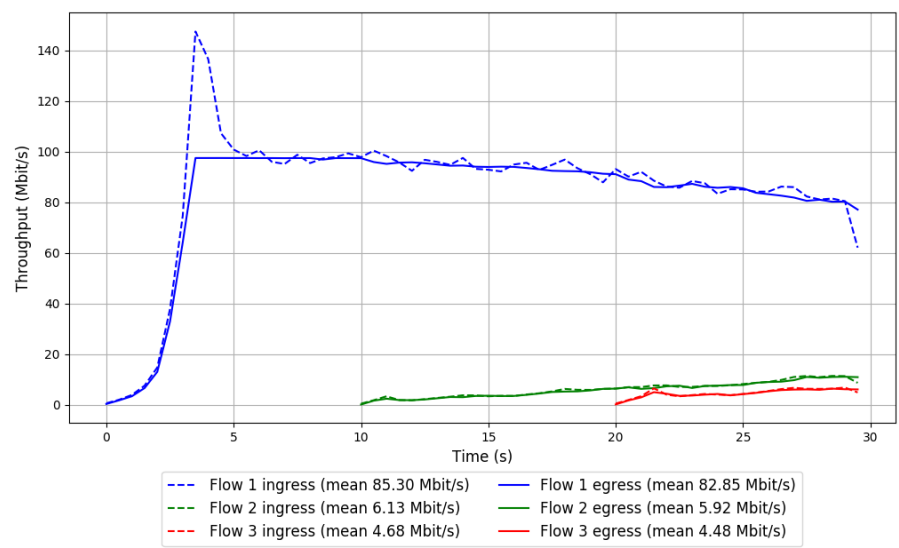


Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 19:14:28
End at: 2018-02-13 19:14:58
Local clock offset: -4.224 ms
Remote clock offset: -3.307 ms

Below is generated by plot.py at 2018-02-13 22:08:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 112.295 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 112.255 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 114.262 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 3.97%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 19:38:06

End at: 2018-02-13 19:38:36

Local clock offset: -5.643 ms

Remote clock offset: 8.51 ms

Below is generated by plot.py at 2018-02-13 22:08:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 119.145 ms

Loss rate: 2.88%

-- Flow 1:

Average throughput: 83.45 Mbit/s

95th percentile per-packet one-way delay: 119.147 ms

Loss rate: 2.84%

-- Flow 2:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 117.806 ms

Loss rate: 3.47%

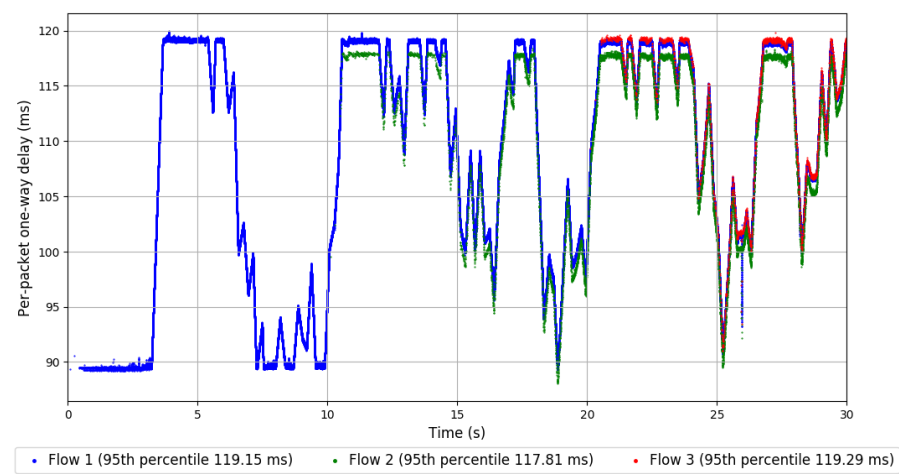
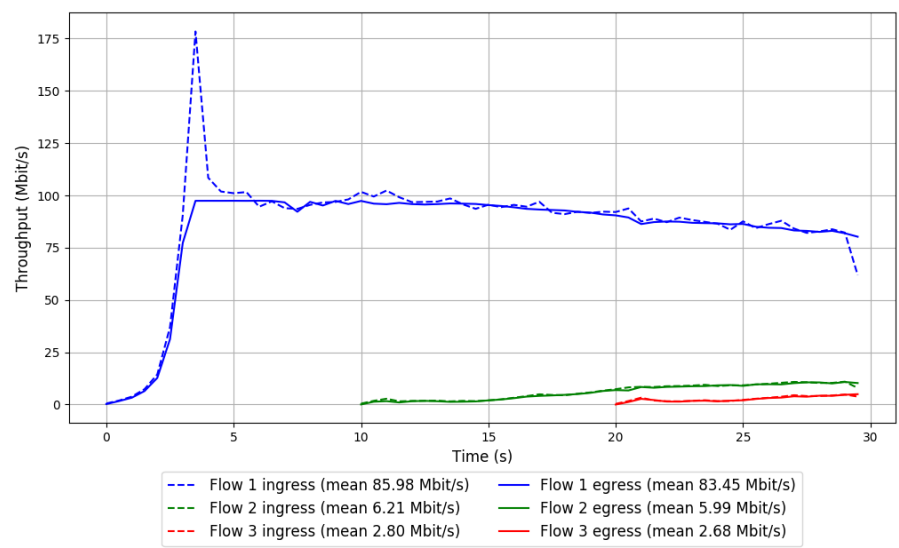
-- Flow 3:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 119.286 ms

Loss rate: 4.12%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 20:01:55

End at: 2018-02-13 20:02:25

Local clock offset: -8.288 ms

Remote clock offset: 6.35 ms

Below is generated by plot.py at 2018-02-13 22:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 115.985 ms

Loss rate: 3.08%

-- Flow 1:

Average throughput: 81.80 Mbit/s

95th percentile per-packet one-way delay: 115.968 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 116.102 ms

Loss rate: 3.85%

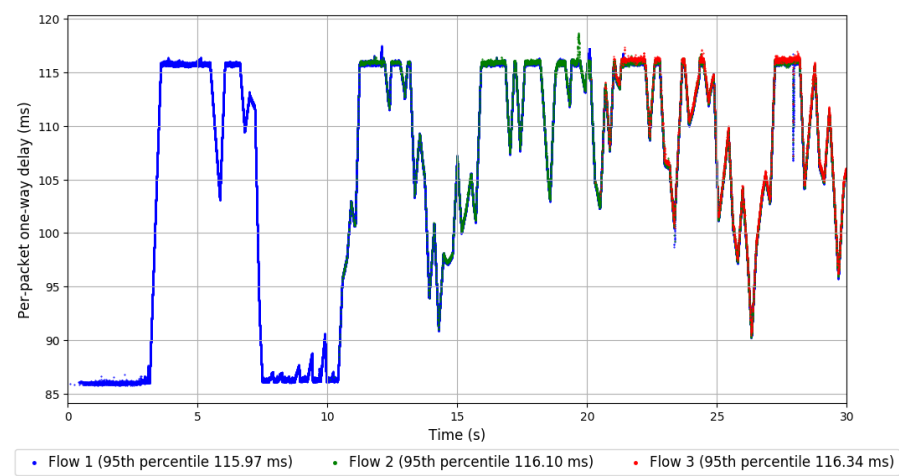
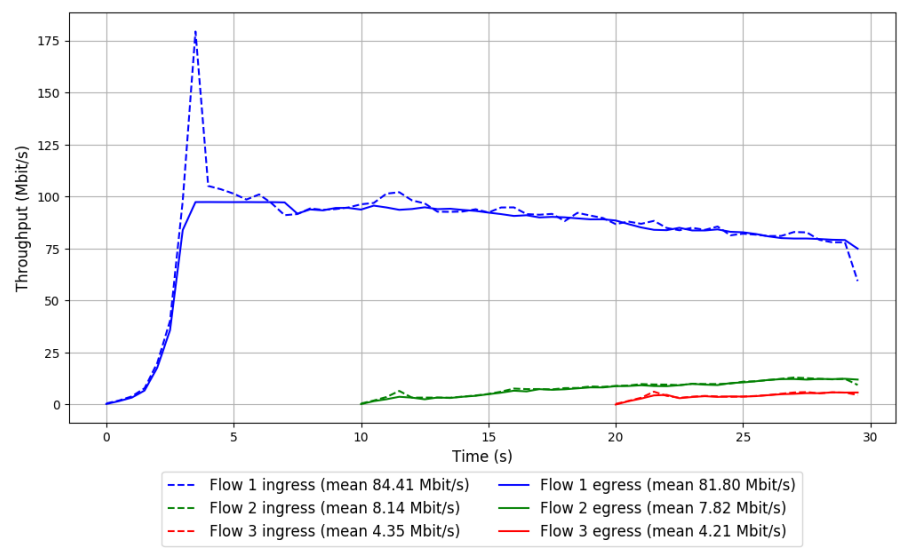
-- Flow 3:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 116.340 ms

Loss rate: 3.44%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 20:25:32

End at: 2018-02-13 20:26:02

Local clock offset: 12.061 ms

Remote clock offset: 1.096 ms

Below is generated by plot.py at 2018-02-13 22:08:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.58 Mbit/s

95th percentile per-packet one-way delay: 100.655 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 82.39 Mbit/s

95th percentile per-packet one-way delay: 100.656 ms

Loss rate: 2.92%

-- Flow 2:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 100.648 ms

Loss rate: 2.75%

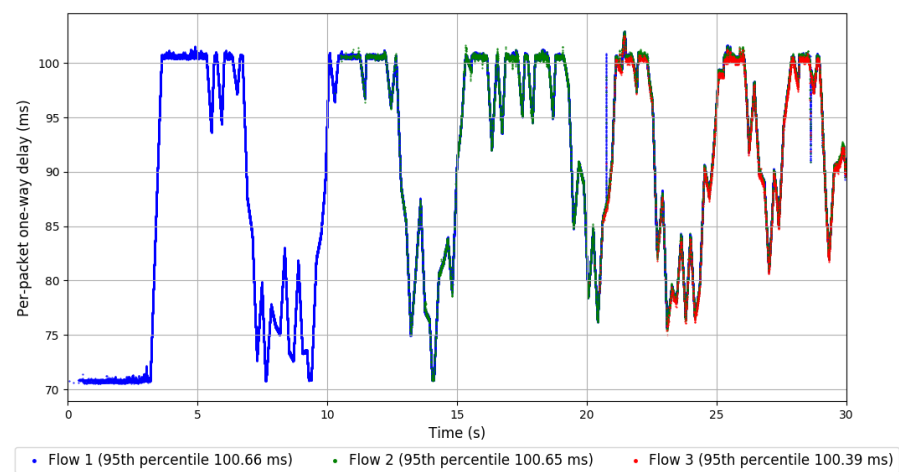
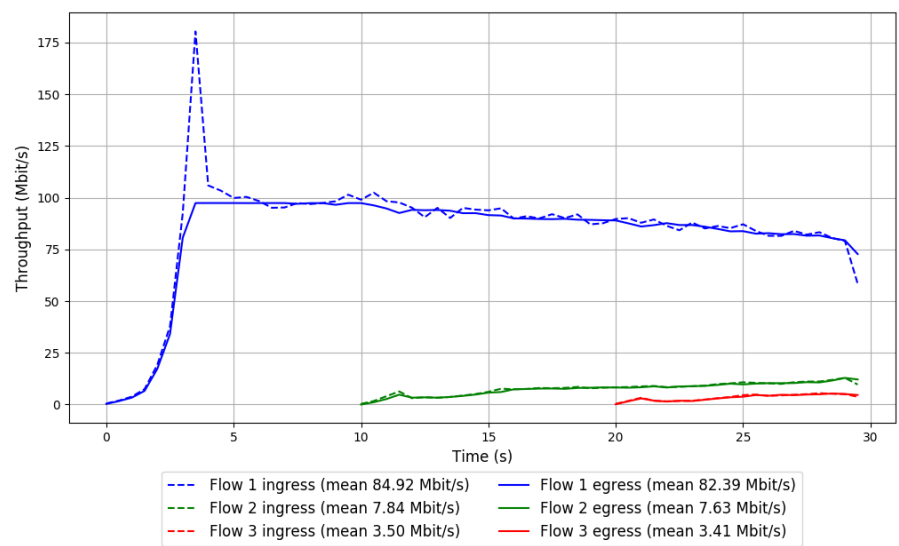
-- Flow 3:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: 100.385 ms

Loss rate: 2.55%

Run 8: Report of Vivace-loss — Data Link

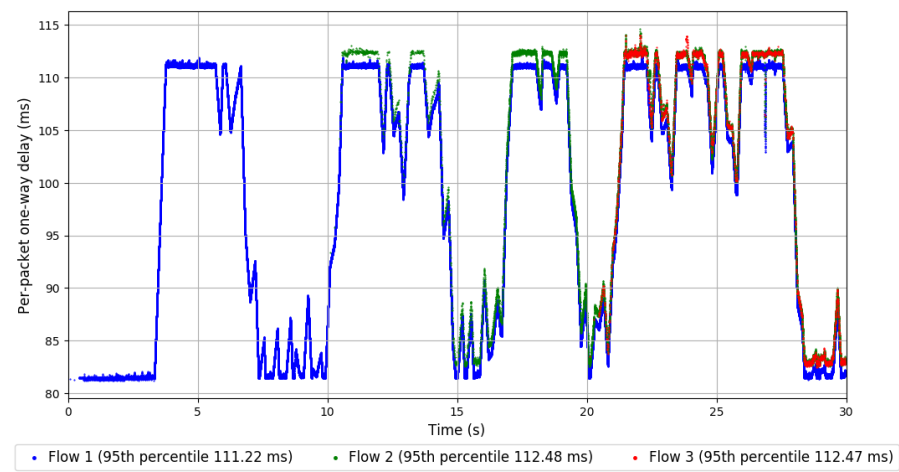
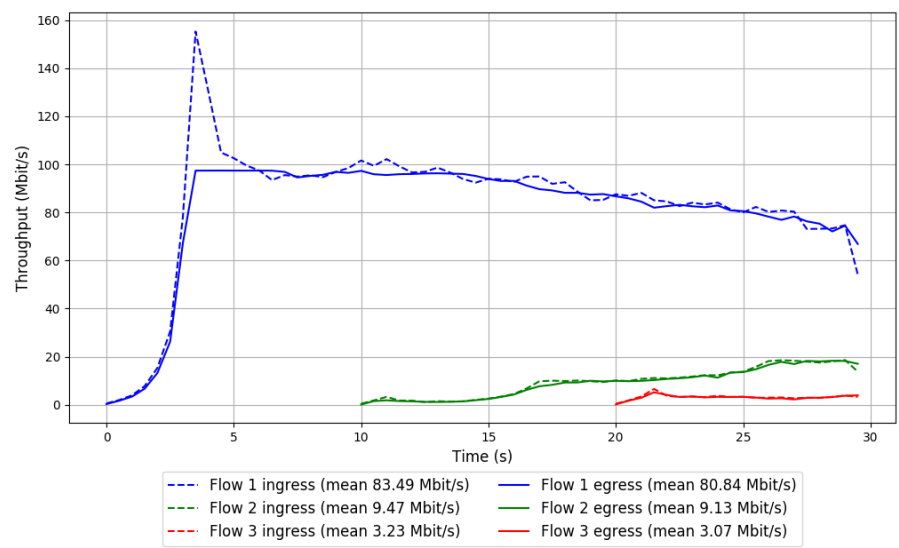


Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 20:49:07
End at: 2018-02-13 20:49:37
Local clock offset: -5.767 ms
Remote clock offset: -3.744 ms

Below is generated by plot.py at 2018-02-13 22:09:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 111.283 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 111.223 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 112.483 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 112.475 ms
Loss rate: 5.08%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 21:12:47

End at: 2018-02-13 21:13:17

Local clock offset: -5.58 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-02-13 22:09:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.08 Mbit/s

95th percentile per-packet one-way delay: 115.862 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 79.85 Mbit/s

95th percentile per-packet one-way delay: 115.802 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 116.122 ms

Loss rate: 2.30%

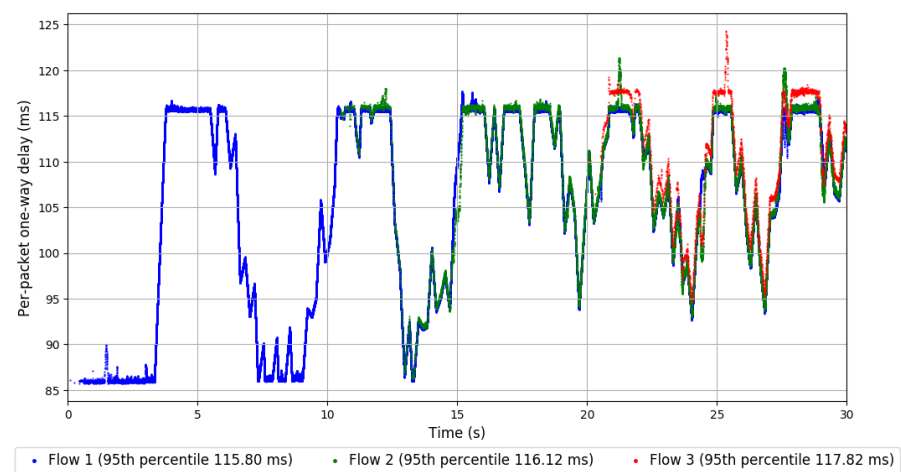
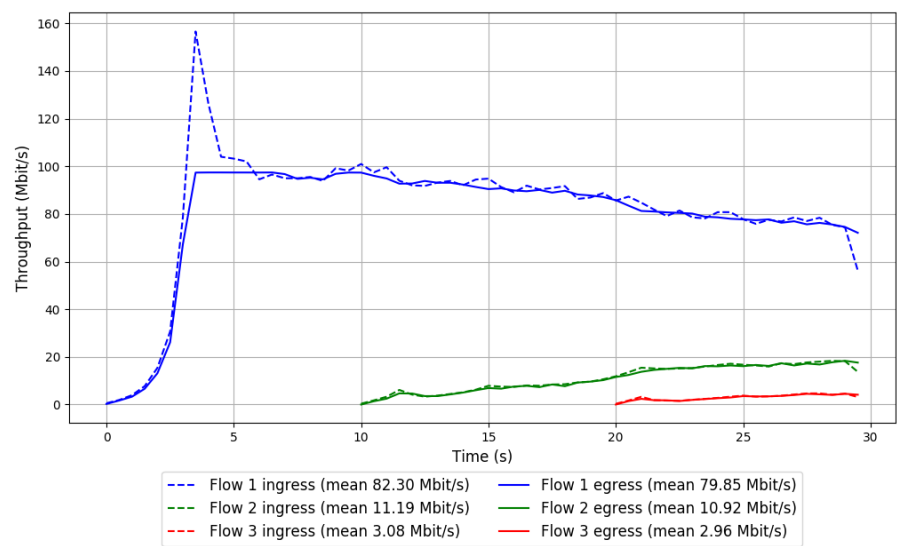
-- Flow 3:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 117.817 ms

Loss rate: 3.68%

Run 10: Report of Vivace-loss — Data Link

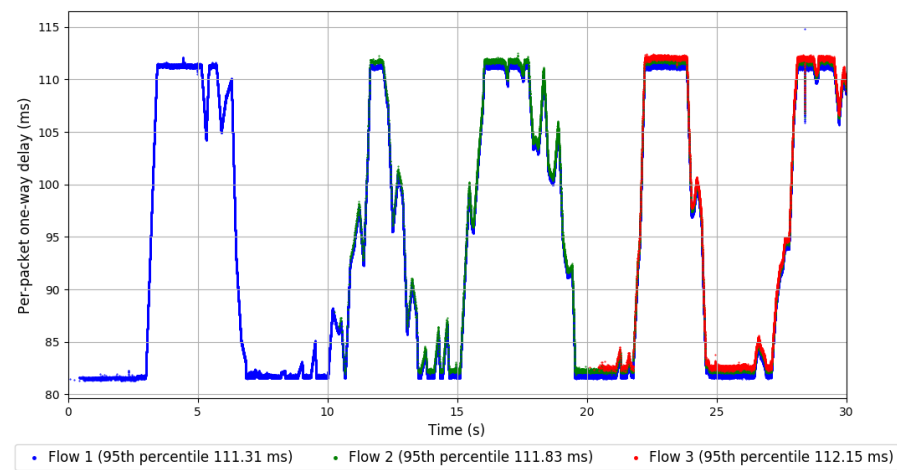
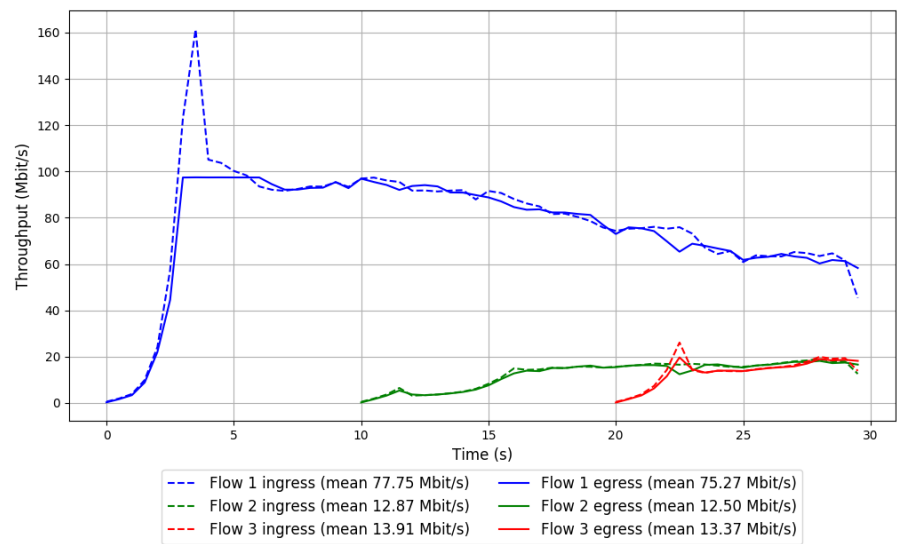


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 17:30:40
End at: 2018-02-13 17:31:10
Local clock offset: -6.865 ms
Remote clock offset: -3.953 ms

Below is generated by plot.py at 2018-02-13 22:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 111.411 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 111.312 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 112.150 ms
Loss rate: 3.68%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-13 17:54:21

End at: 2018-02-13 17:54:51

Local clock offset: -5.334 ms

Remote clock offset: 1.524 ms

Below is generated by plot.py at 2018-02-13 22:09:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 119.600 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 119.609 ms

Loss rate: 2.74%

-- Flow 2:

Average throughput: 9.58 Mbit/s

95th percentile per-packet one-way delay: 119.176 ms

Loss rate: 2.17%

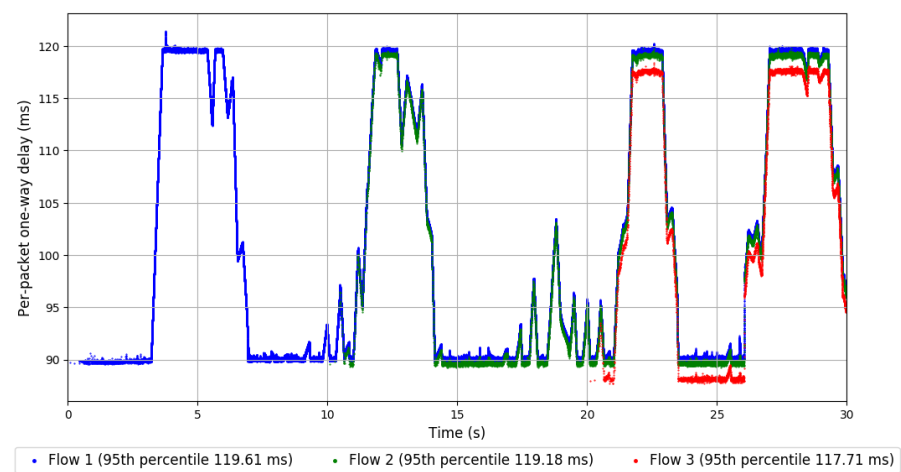
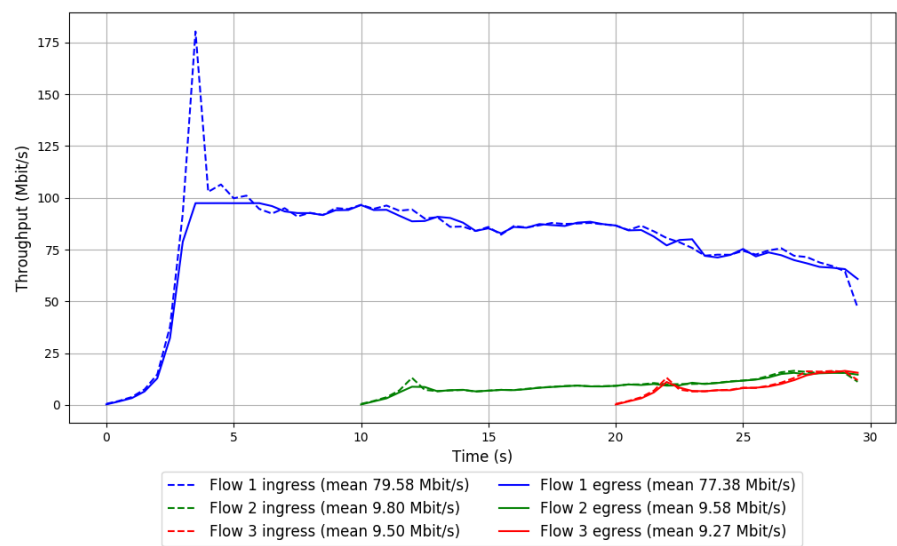
-- Flow 3:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 117.709 ms

Loss rate: 2.31%

Run 2: Report of Vivace-LTE — Data Link

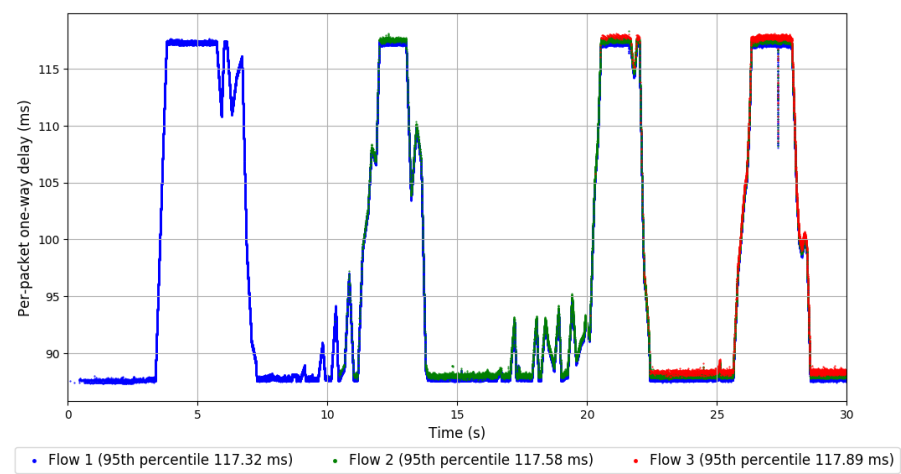
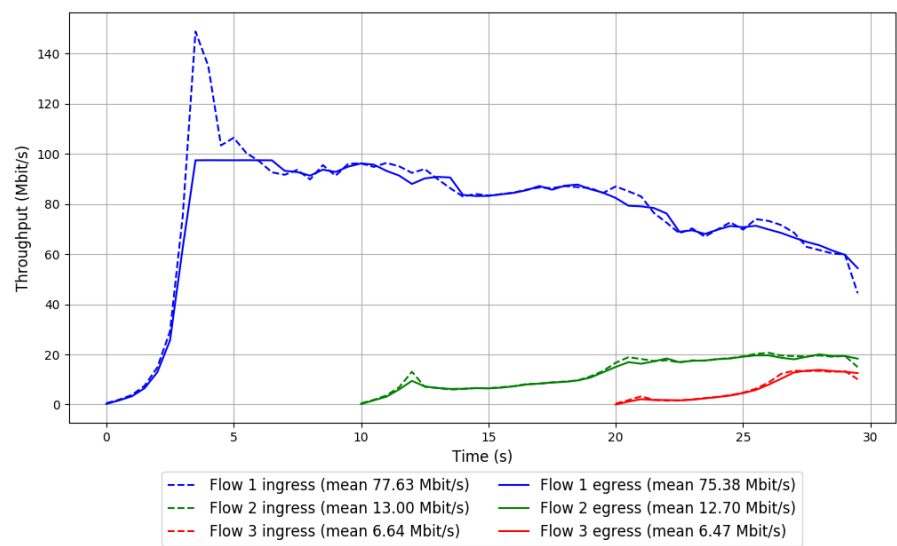


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 18:17:53
End at: 2018-02-13 18:18:23
Local clock offset: -3.047 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-02-13 22:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 117.362 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 117.322 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 117.580 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 117.889 ms
Loss rate: 2.65%

Run 3: Report of Vivace-LTE — Data Link

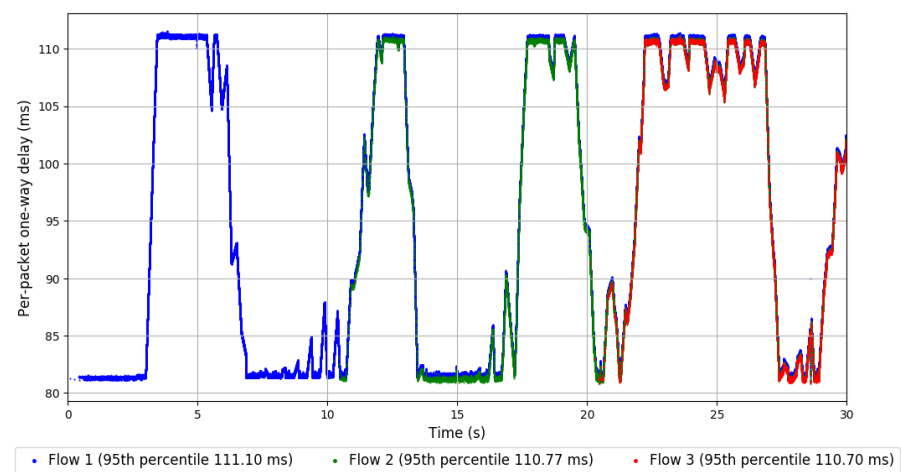
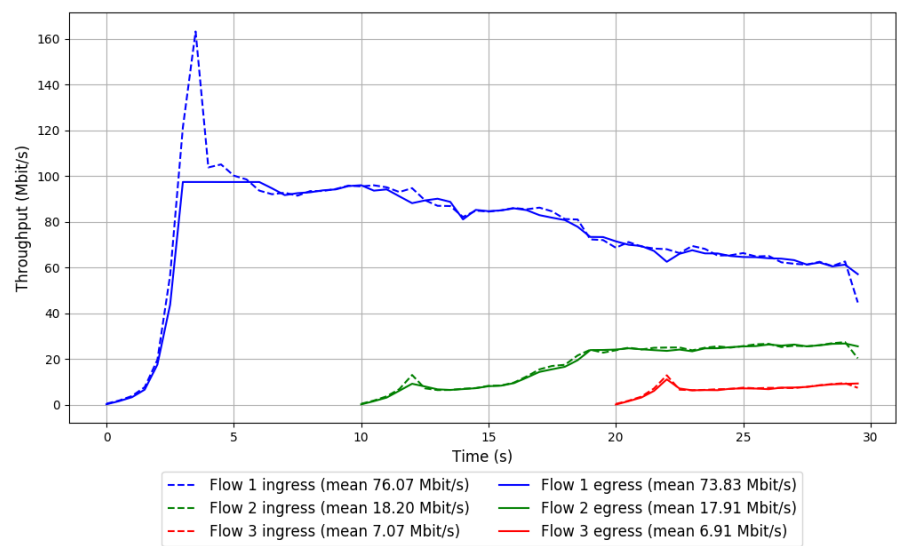


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 18:41:30
End at: 2018-02-13 18:42:00
Local clock offset: -4.61 ms
Remote clock offset: -3.614 ms

Below is generated by plot.py at 2018-02-13 22:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 111.088 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 73.83 Mbit/s
95th percentile per-packet one-way delay: 111.101 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 110.766 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 110.704 ms
Loss rate: 2.18%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 19:05:15

End at: 2018-02-13 19:05:45

Local clock offset: -4.457 ms

Remote clock offset: 0.704 ms

Below is generated by plot.py at 2018-02-13 22:09:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 117.408 ms

Loss rate: 3.20%

-- Flow 1:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 117.420 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 13.44 Mbit/s

95th percentile per-packet one-way delay: 115.399 ms

Loss rate: 2.73%

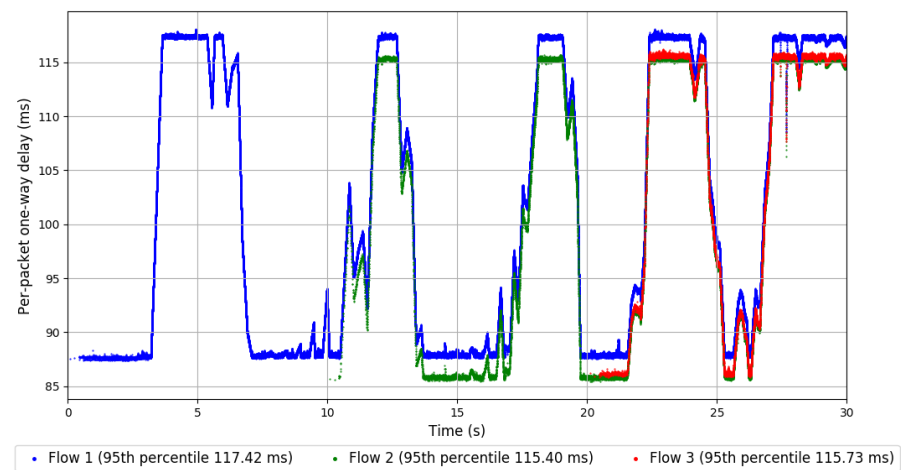
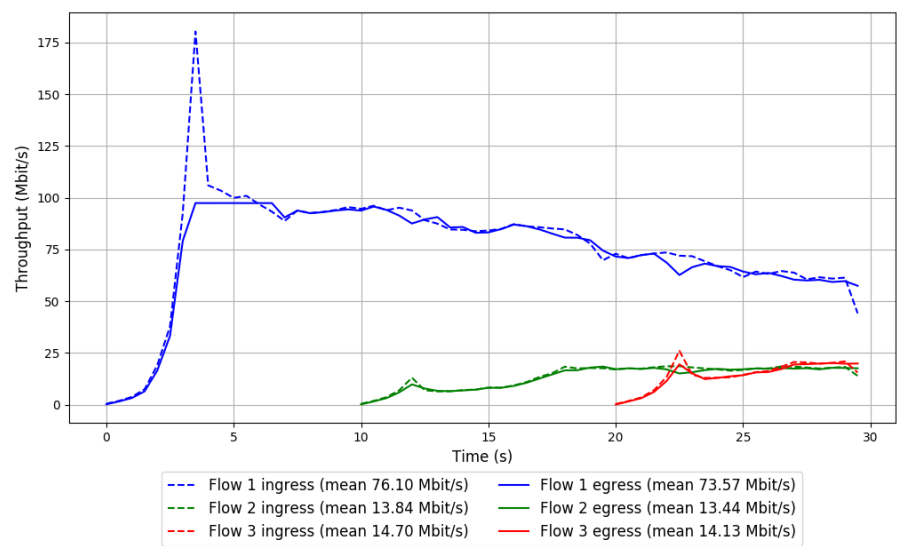
-- Flow 3:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 115.731 ms

Loss rate: 3.55%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 19:28:52

End at: 2018-02-13 19:29:22

Local clock offset: -3.975 ms

Remote clock offset: 3.617 ms

Below is generated by plot.py at 2018-02-13 22:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 115.676 ms

Loss rate: 3.36%

-- Flow 1:

Average throughput: 71.55 Mbit/s

95th percentile per-packet one-way delay: 115.693 ms

Loss rate: 3.44%

-- Flow 2:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 115.102 ms

Loss rate: 2.79%

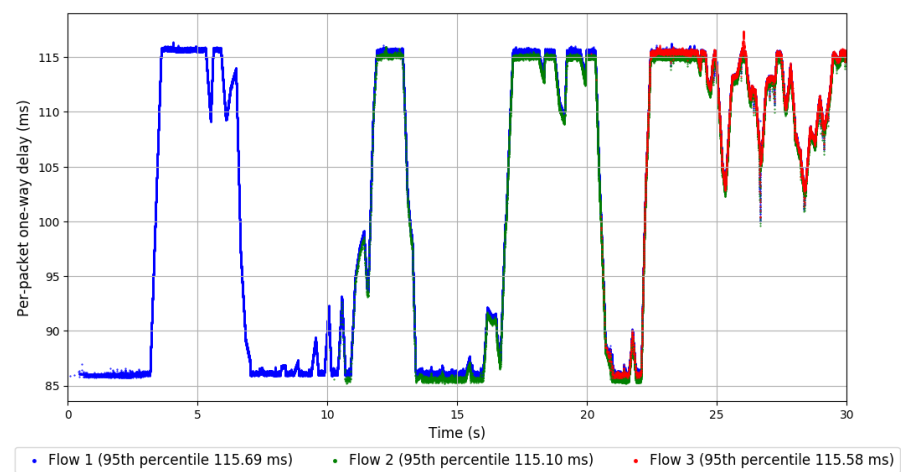
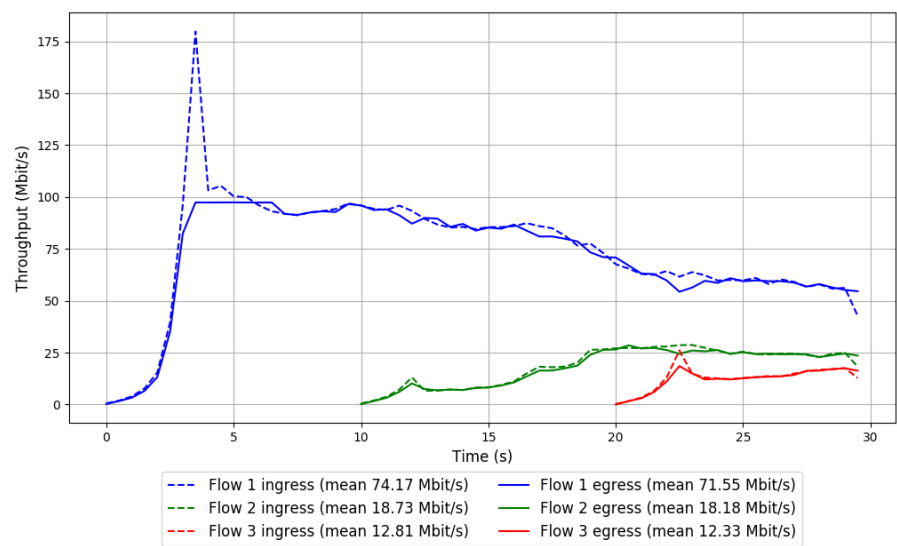
-- Flow 3:

Average throughput: 12.33 Mbit/s

95th percentile per-packet one-way delay: 115.579 ms

Loss rate: 3.71%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 19:52:42

End at: 2018-02-13 19:53:12

Local clock offset: -7.616 ms

Remote clock offset: 9.905 ms

Below is generated by plot.py at 2018-02-13 22:10:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 116.612 ms

Loss rate: 3.18%

-- Flow 1:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 116.601 ms

Loss rate: 3.18%

-- Flow 2:

Average throughput: 15.21 Mbit/s

95th percentile per-packet one-way delay: 116.532 ms

Loss rate: 2.63%

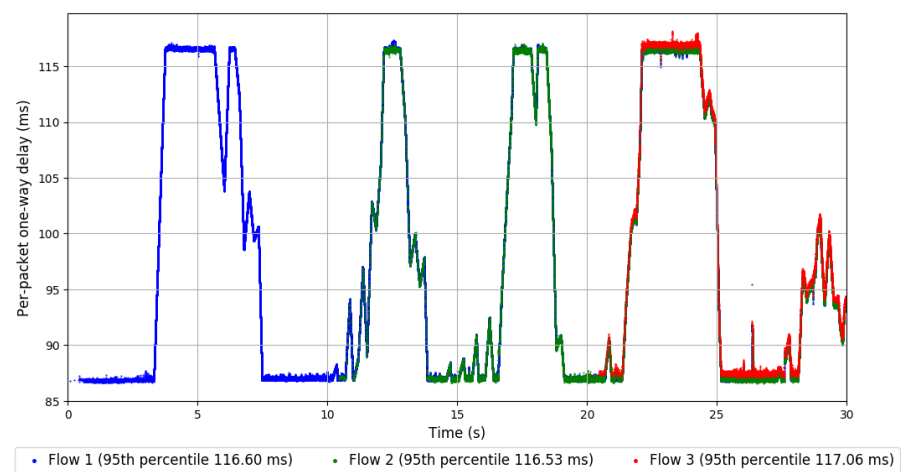
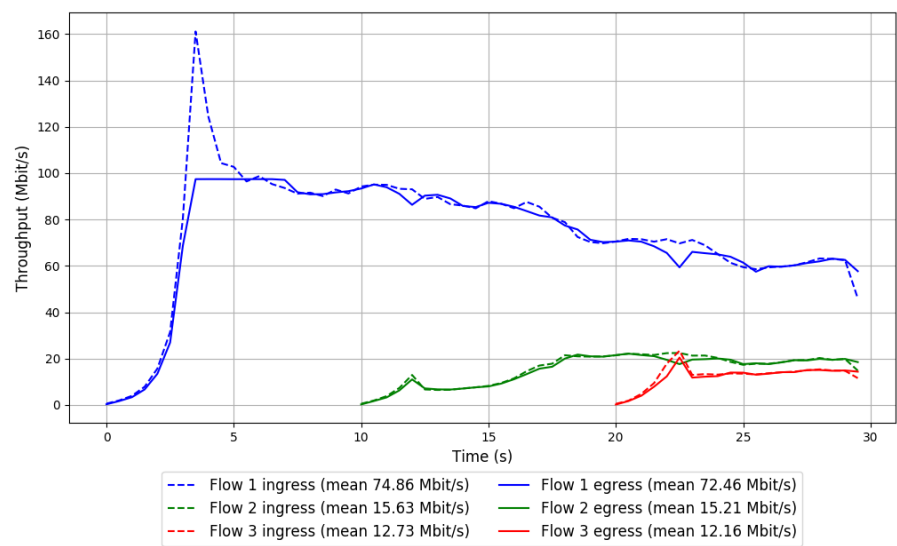
-- Flow 3:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 117.059 ms

Loss rate: 4.43%

Run 7: Report of Vivace-LTE — Data Link

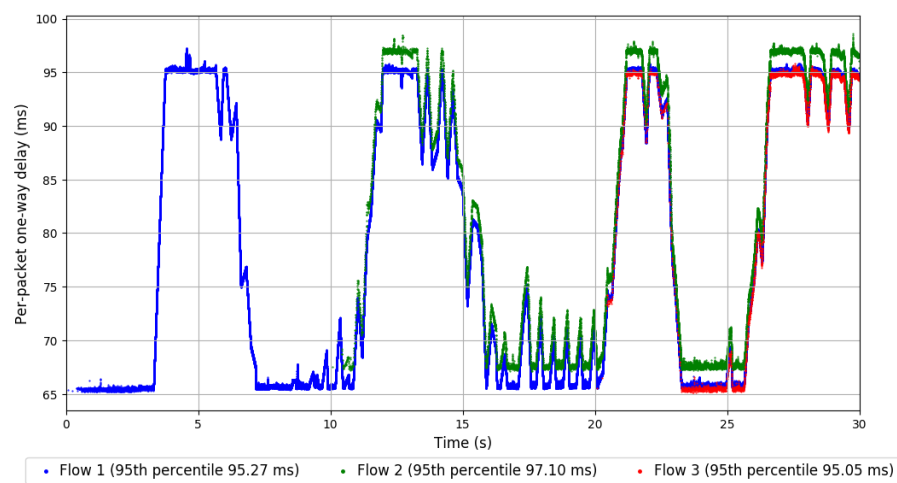
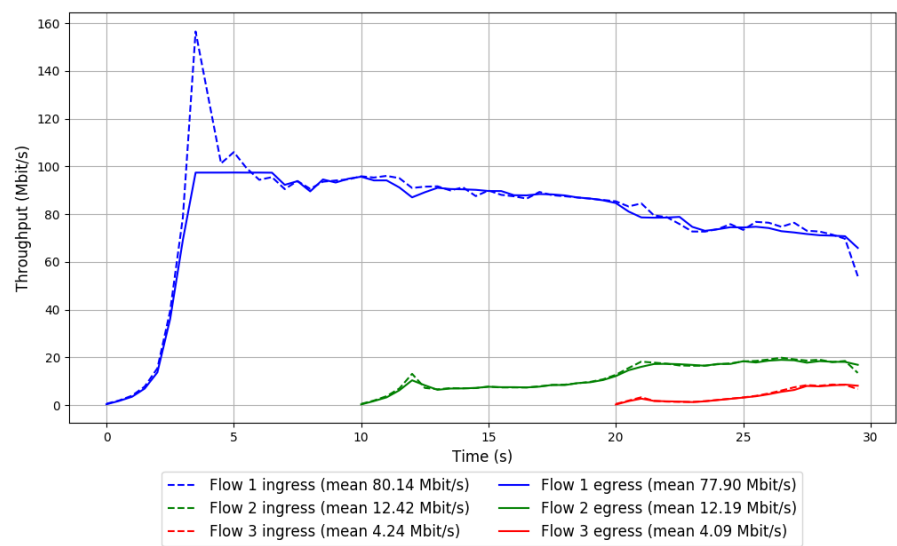


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 20:16:18
End at: 2018-02-13 20:16:48
Local clock offset: 9.767 ms
Remote clock offset: -3.431 ms

Below is generated by plot.py at 2018-02-13 22:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 95.344 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 95.271 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 97.102 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 95.047 ms
Loss rate: 3.30%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 20:39:55

End at: 2018-02-13 20:40:25

Local clock offset: 2.031 ms

Remote clock offset: 2.041 ms

Below is generated by plot.py at 2018-02-13 22:10:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.68 Mbit/s

95th percentile per-packet one-way delay: 110.991 ms

Loss rate: 3.08%

-- Flow 1:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 111.005 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 14.78 Mbit/s

95th percentile per-packet one-way delay: 110.742 ms

Loss rate: 2.64%

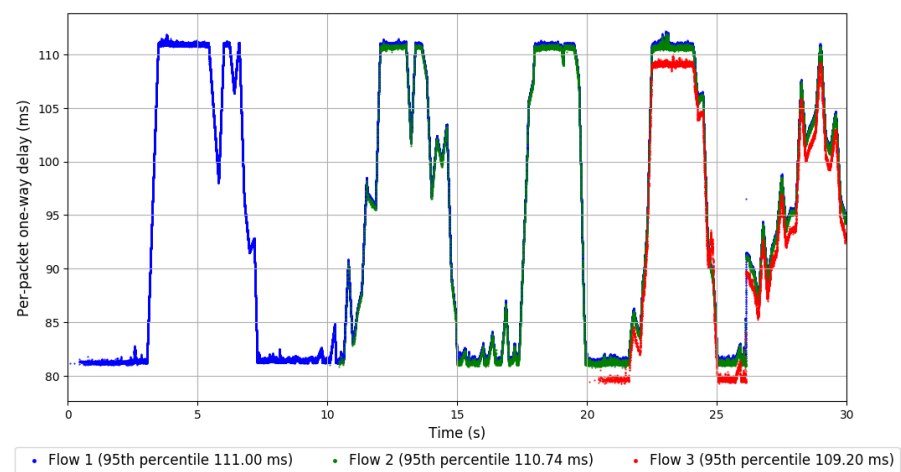
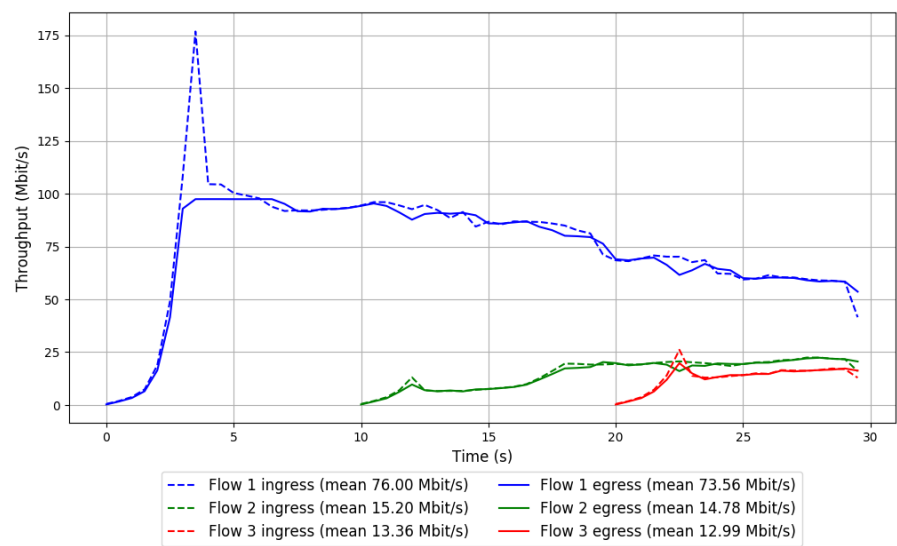
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 109.202 ms

Loss rate: 2.66%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 21:03:34

End at: 2018-02-13 21:04:04

Local clock offset: 9.645 ms

Remote clock offset: 1.59 ms

Below is generated by plot.py at 2018-02-13 22:10:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 100.959 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 77.47 Mbit/s

95th percentile per-packet one-way delay: 100.913 ms

Loss rate: 2.61%

-- Flow 2:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 102.639 ms

Loss rate: 1.34%

-- Flow 3:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 102.108 ms

Loss rate: 2.47%

Run 10: Report of Vivace-LTE — Data Link

