

Pantheon Report

Generated at 2018-03-13 21:41:24 (UTC).

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

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).

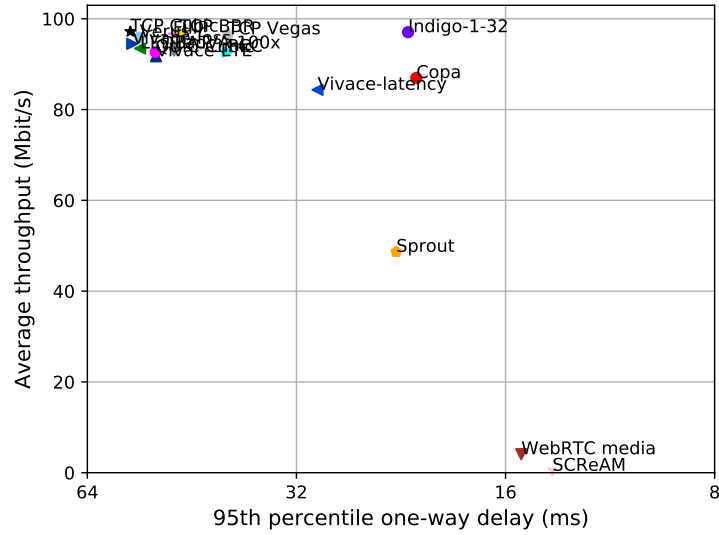
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

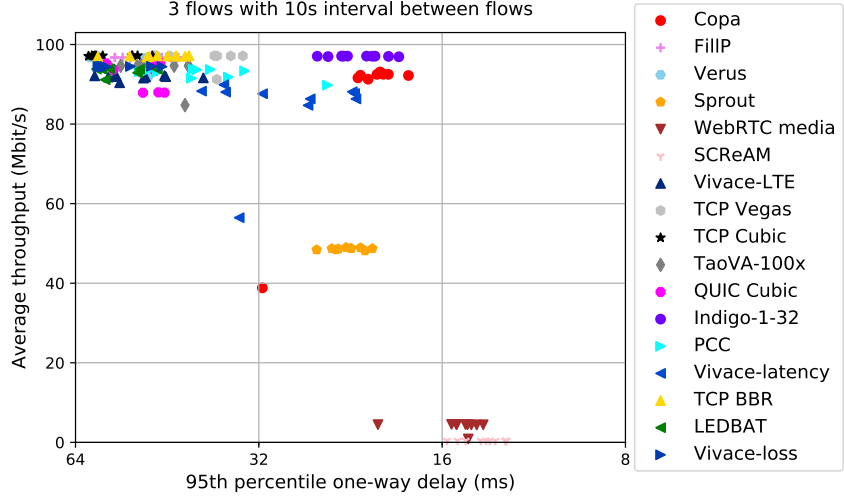
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



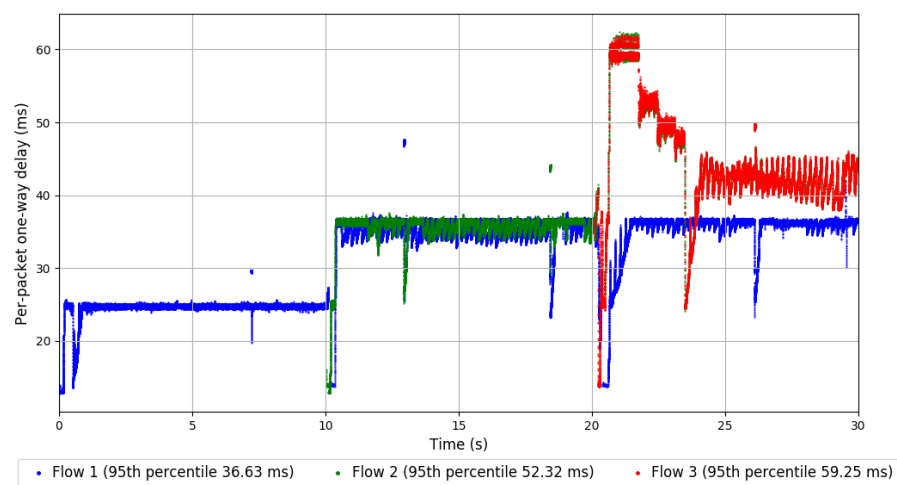
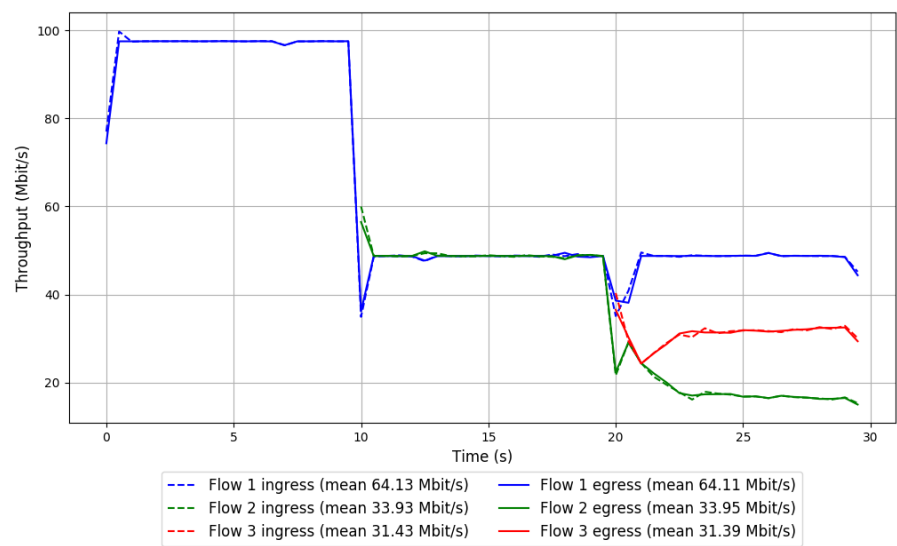
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.76	39.08	34.13	44.01	48.71	53.15	0.10	0.18	0.52
TCP Cubic	9	58.85	39.38	41.12	55.37	55.57	42.89	0.10	0.23	0.65
LEDBAT	9	58.01	37.42	31.87	48.89	51.46	46.58	0.12	0.28	0.70
PCC	10	65.00	30.80	22.02	39.96	34.58	30.32	0.20	0.36	0.43
QUIC Cubic	10	54.10	42.93	30.42	51.01	44.66	49.10	0.11	0.23	0.61
SCReAM	10	0.21	0.21	0.22	13.70	13.69	13.69	0.13	0.02	0.14
WebRTC media	10	2.18	1.33	0.60	15.13	15.07	15.40	4.69	8.51	0.40
Sprout	10	24.51	24.38	24.07	22.39	23.03	23.34	0.10	0.12	0.27
TaoVA-100x	10	55.12	41.83	31.71	47.76	40.81	44.67	0.09	0.19	0.53
TCP Vegas	10	60.62	35.14	40.11	39.27	34.65	35.39	0.08	0.07	0.39
Verus	10	57.87	42.91	28.84	50.24	47.49	52.09	0.08	0.25	0.71
Copa	10	52.50	38.13	27.39	20.97	22.18	22.80	0.06	0.10	0.30
FillP	10	59.36	39.19	35.79	45.43	48.79	43.51	0.12	0.23	0.69
Indigo-1-32	10	59.70	39.34	34.30	20.23	21.92	21.58	0.05	0.11	0.31
Vivace-latency	10	55.22	36.34	15.11	26.46	26.47	32.80	0.05	0.15	0.43
Vivace-loss	10	58.45	37.58	33.63	50.77	53.18	47.05	0.09	0.21	0.61
Vivace-LTE	10	58.44	36.03	28.47	43.53	51.23	47.75	0.06	0.15	0.50

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 14:16:12
End at: 2018-03-13 14:16:42
Local clock offset: 5.549 ms
Remote clock offset: -3.504 ms

Below is generated by plot.py at 2018-03-13 21:13:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 36.635 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 52.318 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 59.252 ms
Loss rate: 0.56%

Run 1: Report of TCP BBR — Data Link

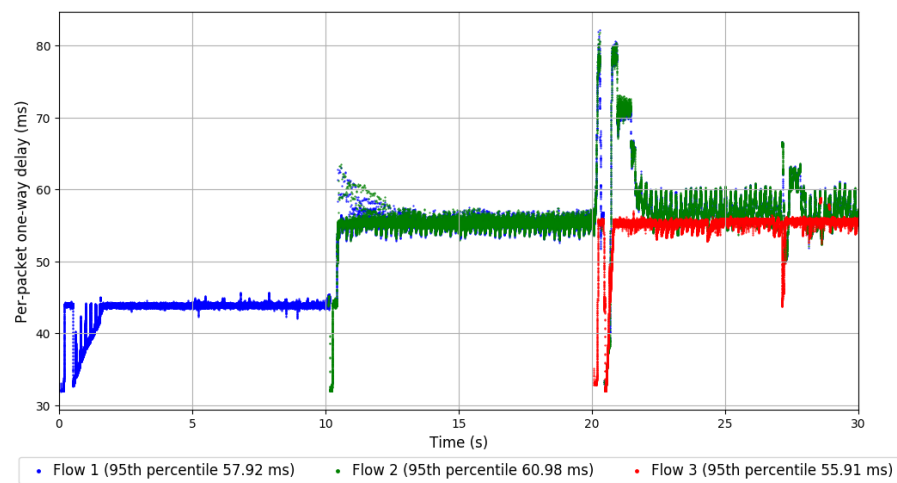
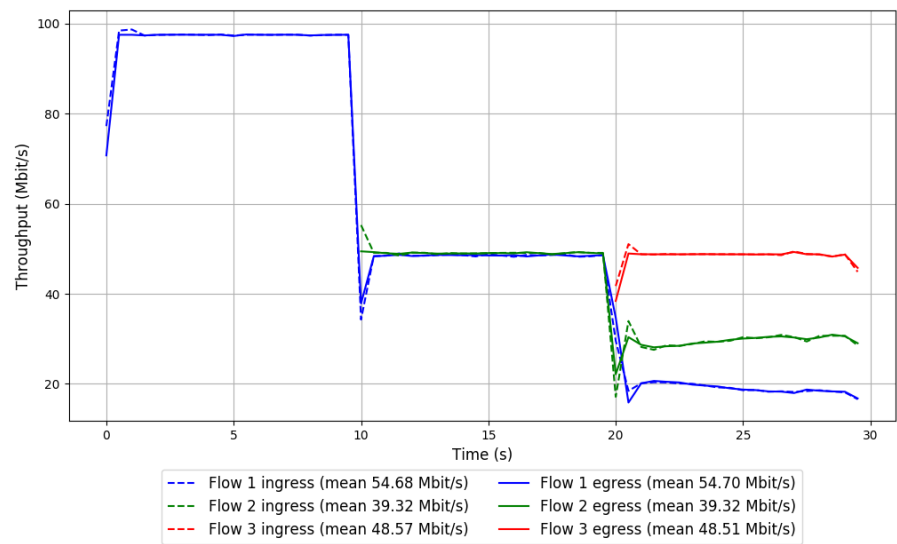


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 14:37:41
End at: 2018-03-13 14:38:11
Local clock offset: 23.955 ms
Remote clock offset: -4.318 ms

Below is generated by plot.py at 2018-03-13 21:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 58.821 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 57.916 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 60.983 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 55.909 ms
Loss rate: 0.47%

Run 2: Report of TCP BBR — Data Link

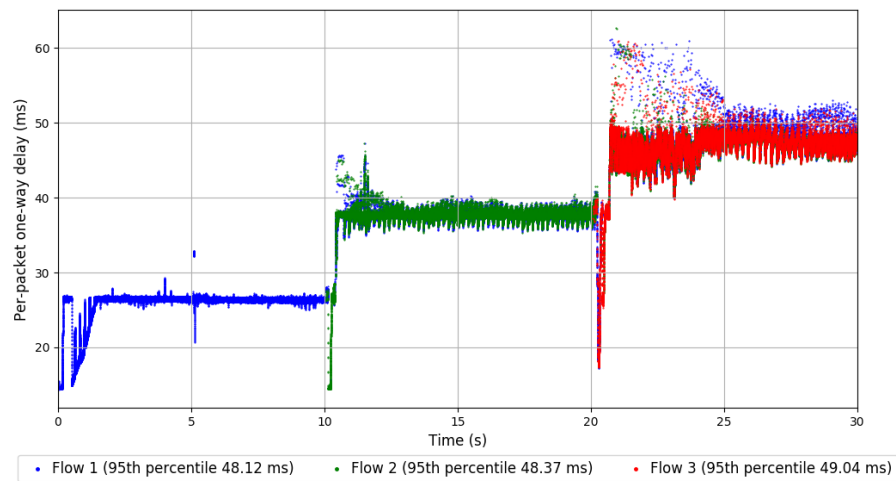
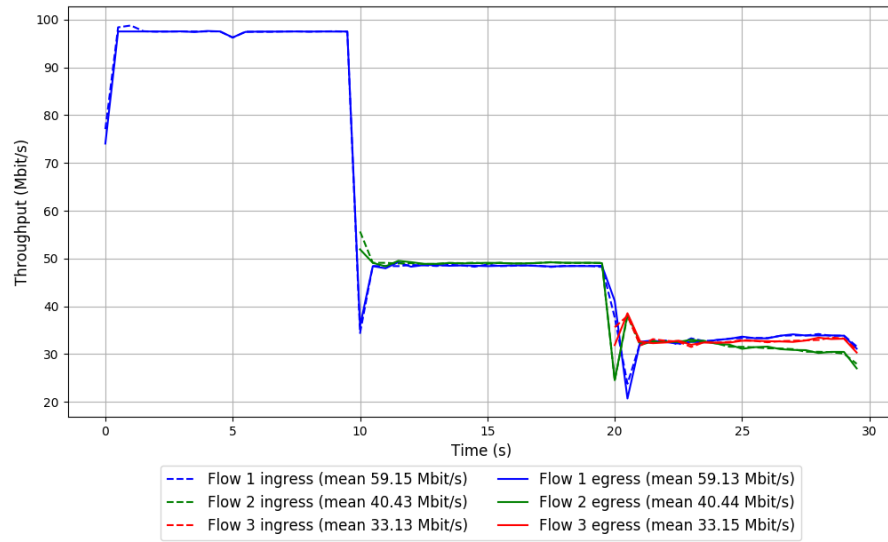


Run 3: Statistics of TCP BBR

Start at: 2018-03-13 14:59:07
End at: 2018-03-13 14:59:37
Local clock offset: 4.765 ms
Remote clock offset: -6.021 ms

Below is generated by plot.py at 2018-03-13 21:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 48.439 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 48.124 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 48.372 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 49.040 ms
Loss rate: 0.57%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-13 15:20:16

End at: 2018-03-13 15:20:46

Local clock offset: 5.188 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2018-03-13 21:13:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 48.822 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.06 Mbit/s

95th percentile per-packet one-way delay: 48.270 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 0.18%

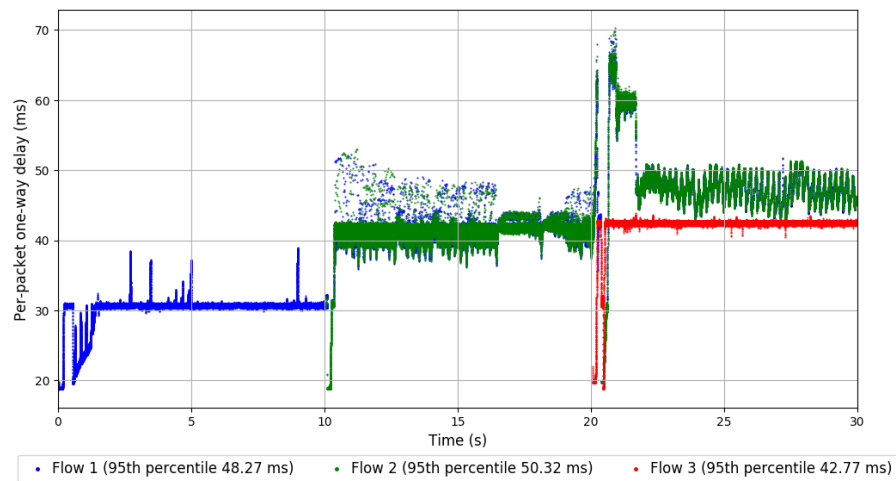
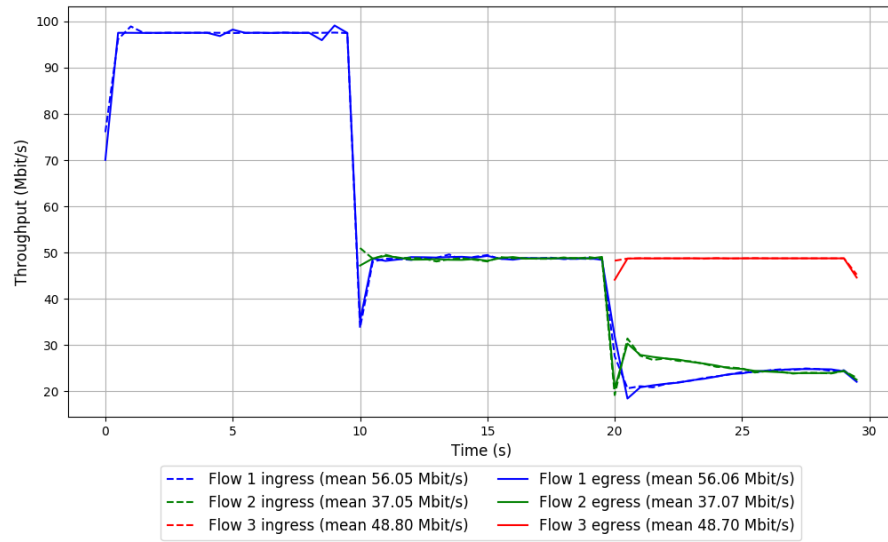
-- Flow 3:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 42.766 ms

Loss rate: 0.49%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-13 15:41:39

End at: 2018-03-13 15:42:09

Local clock offset: 4.624 ms

Remote clock offset: 2.179 ms

Below is generated by plot.py at 2018-03-13 21:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 43.806 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 58.95 Mbit/s

95th percentile per-packet one-way delay: 40.147 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 44.209 ms

Loss rate: 0.19%

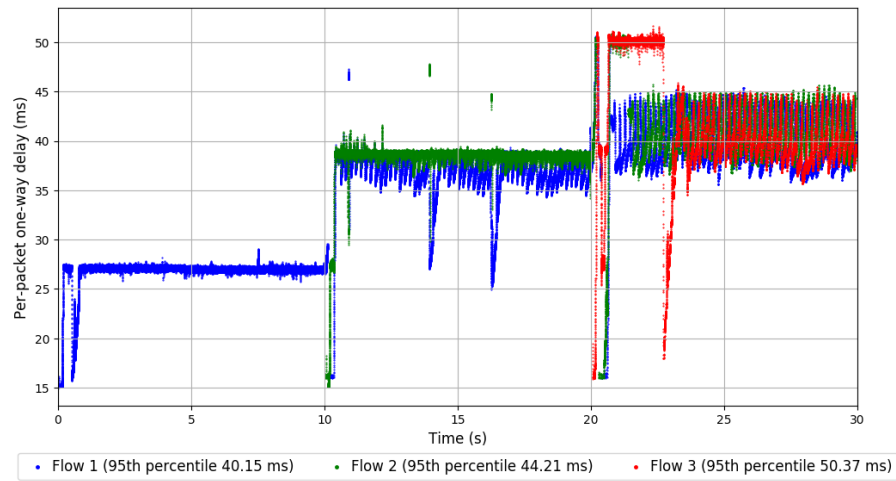
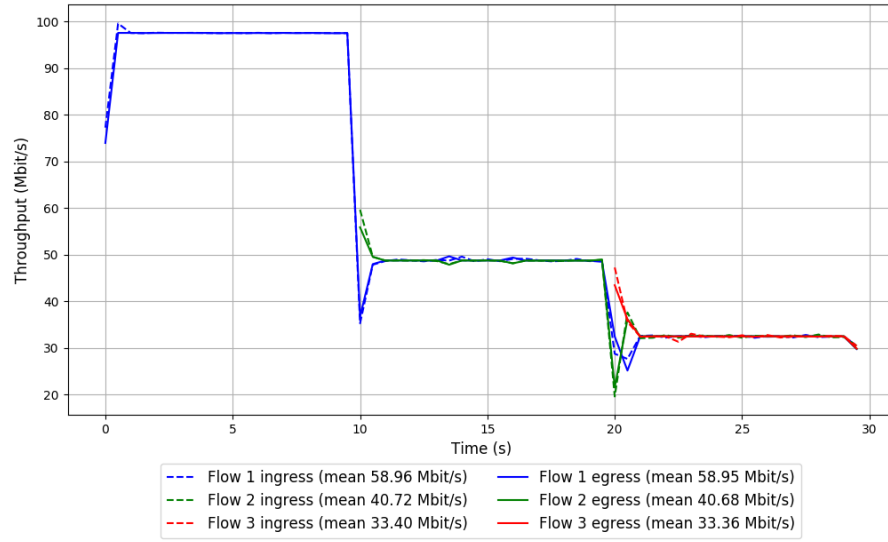
-- Flow 3:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 50.371 ms

Loss rate: 0.47%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-03-13 16:02:46

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

Local clock offset: 3.678 ms

Remote clock offset: 2.838 ms

Below is generated by plot.py at 2018-03-13 21:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 43.751 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 64.15 Mbit/s

95th percentile per-packet one-way delay: 36.091 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 51.270 ms

Loss rate: 0.13%

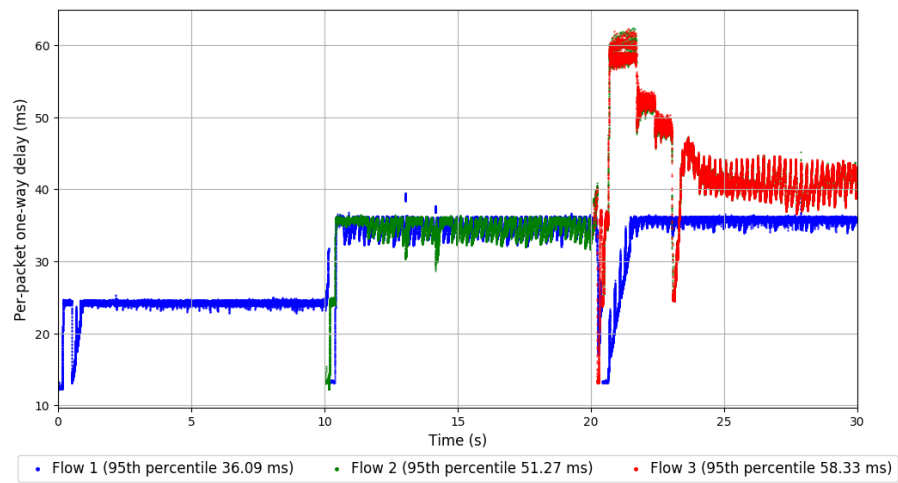
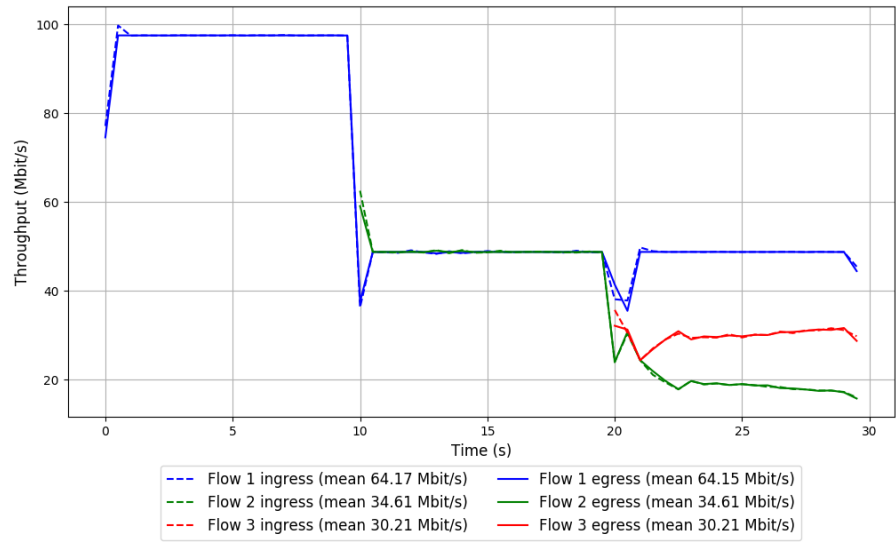
-- Flow 3:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 58.330 ms

Loss rate: 0.54%

Run 6: Report of TCP BBR — Data Link

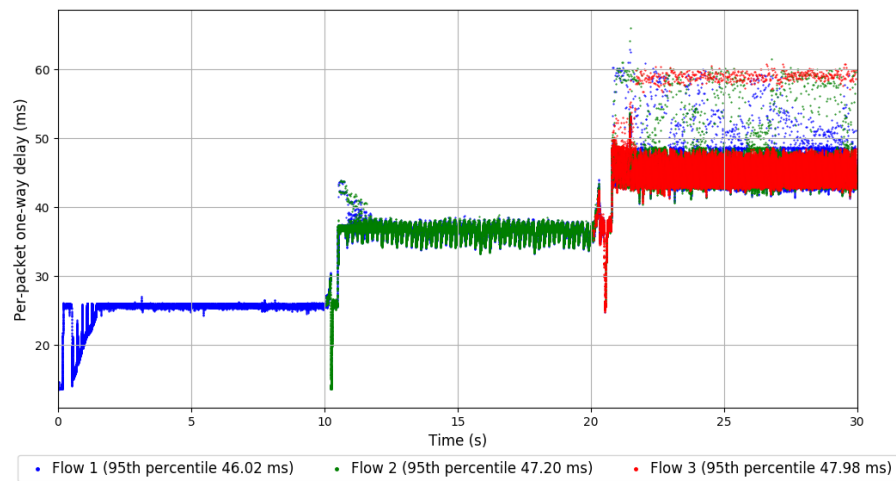
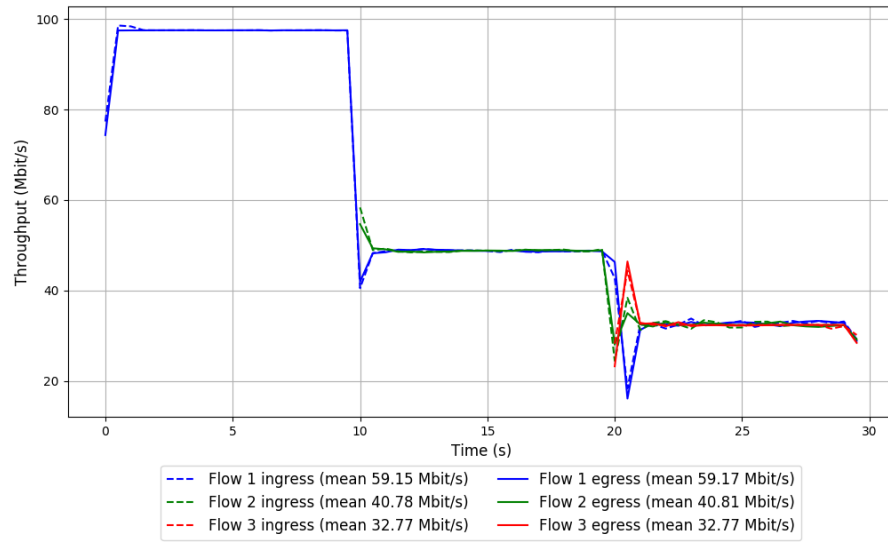


Run 7: Statistics of TCP BBR

Start at: 2018-03-13 16:23:55
End at: 2018-03-13 16:24:25
Local clock offset: 5.151 ms
Remote clock offset: -5.497 ms

Below is generated by plot.py at 2018-03-13 21:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 46.983 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 46.016 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 47.203 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 47.976 ms
Loss rate: 0.61%

Run 7: Report of TCP BBR — Data Link

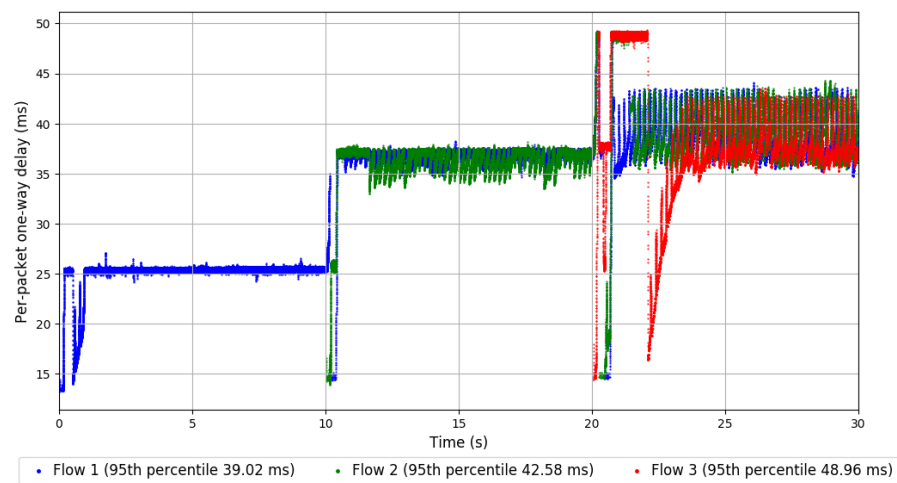
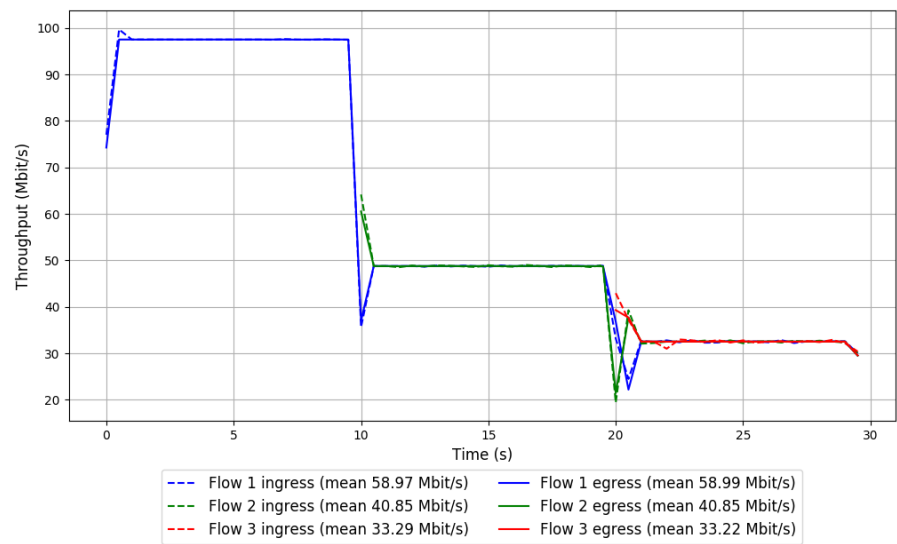


Run 8: Statistics of TCP BBR

Start at: 2018-03-13 16:45:10
End at: 2018-03-13 16:45:40
Local clock offset: 1.458 ms
Remote clock offset: -6.489 ms

Below is generated by plot.py at 2018-03-13 21:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 41.660 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 39.016 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 42.580 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 48.964 ms
Loss rate: 0.49%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-03-13 17:06:10

End at: 2018-03-13 17:06:40

Local clock offset: 4.067 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-03-13 21:15:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 52.146 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 51.806 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 38.340 ms

Loss rate: 0.25%

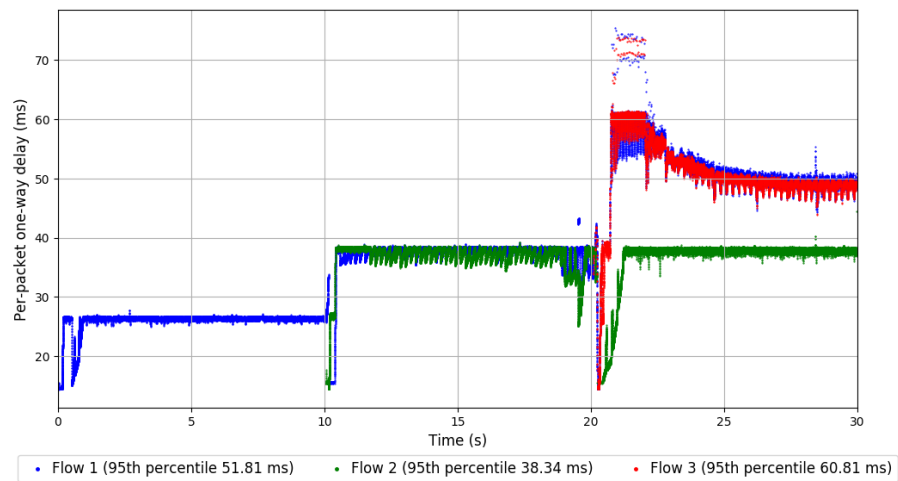
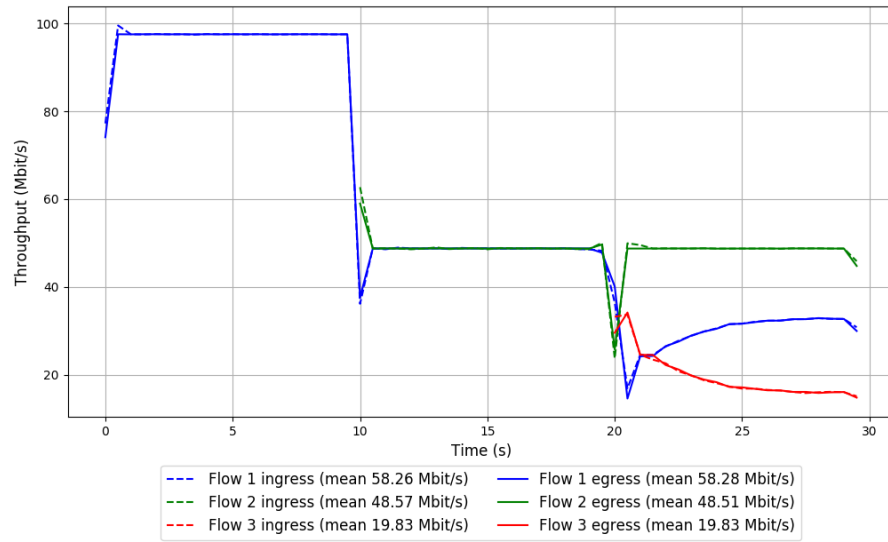
-- Flow 3:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 60.810 ms

Loss rate: 0.49%

Run 9: Report of TCP BBR — Data Link

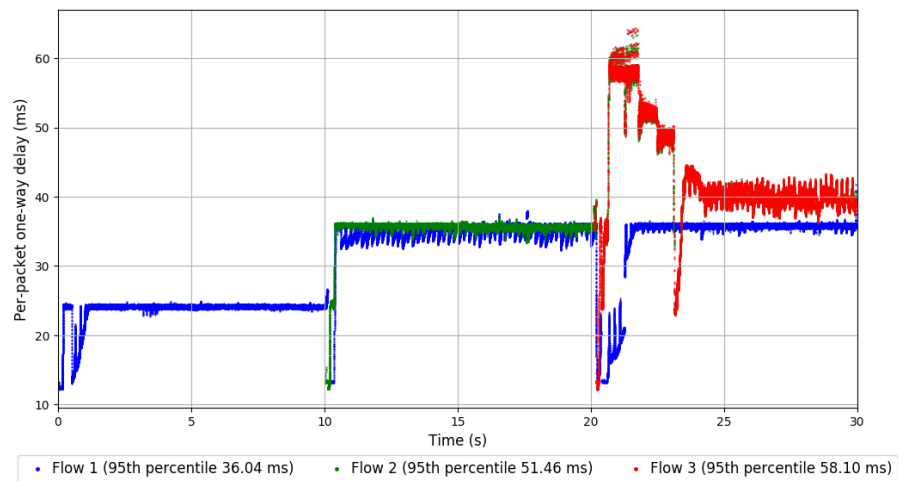
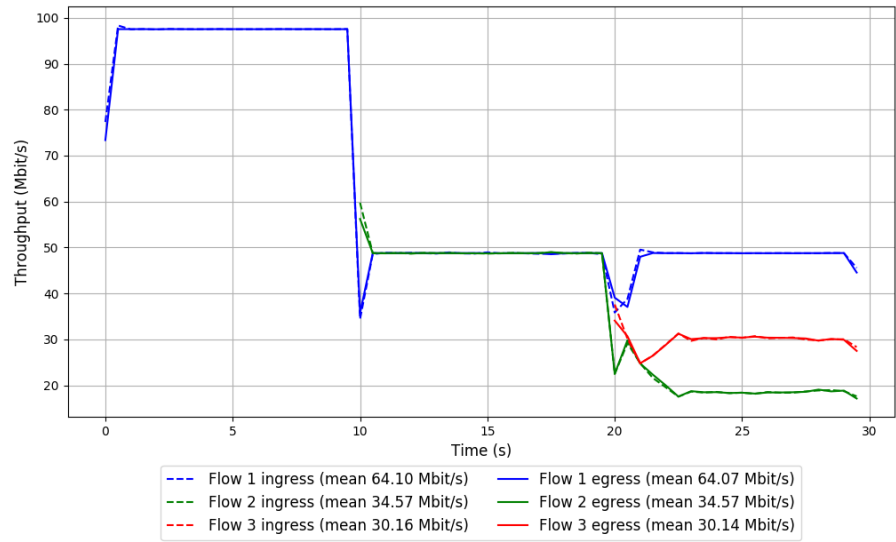


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 17:27:14
End at: 2018-03-13 17:27:44
Local clock offset: 3.568 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-03-13 21:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 42.294 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 36.036 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 51.464 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 58.097 ms
Loss rate: 0.54%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 14:18:40

End at: 2018-03-13 14:19:10

Local clock offset: 4.453 ms

Remote clock offset: -4.235 ms

Run 1: Report of TCP Cubic — Data Link

Figure is missing

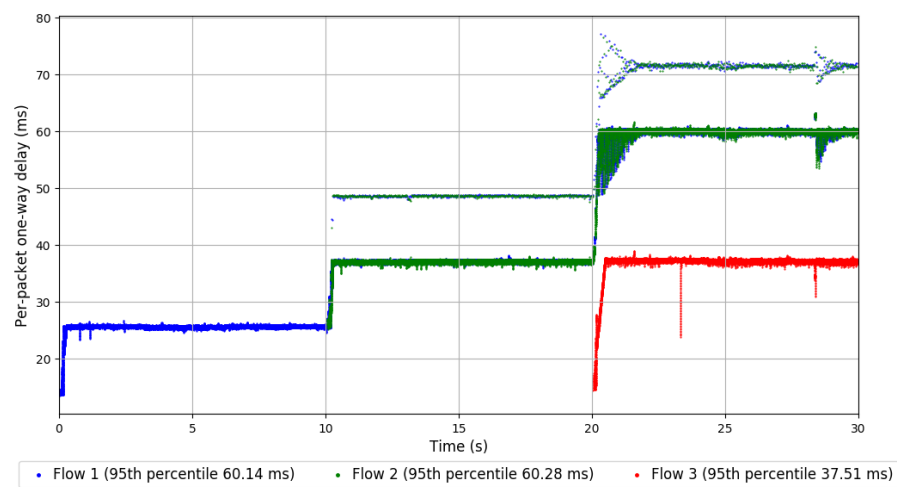
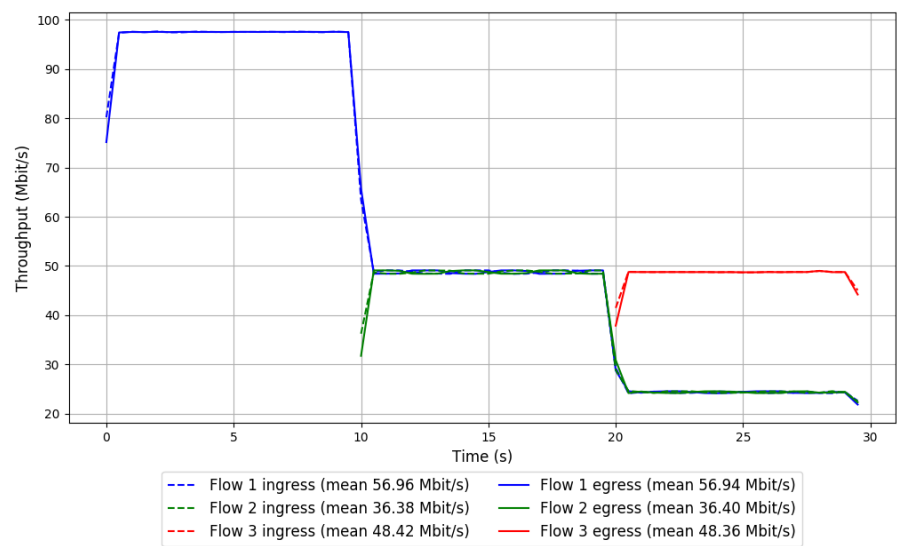
Figure is missing

Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 14:40:02
End at: 2018-03-13 14:40:32
Local clock offset: 4.831 ms
Remote clock offset: -4.902 ms

Below is generated by plot.py at 2018-03-13 21:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 60.169 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 60.143 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 60.283 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 37.511 ms
Loss rate: 0.47%

Run 2: Report of TCP Cubic — Data Link

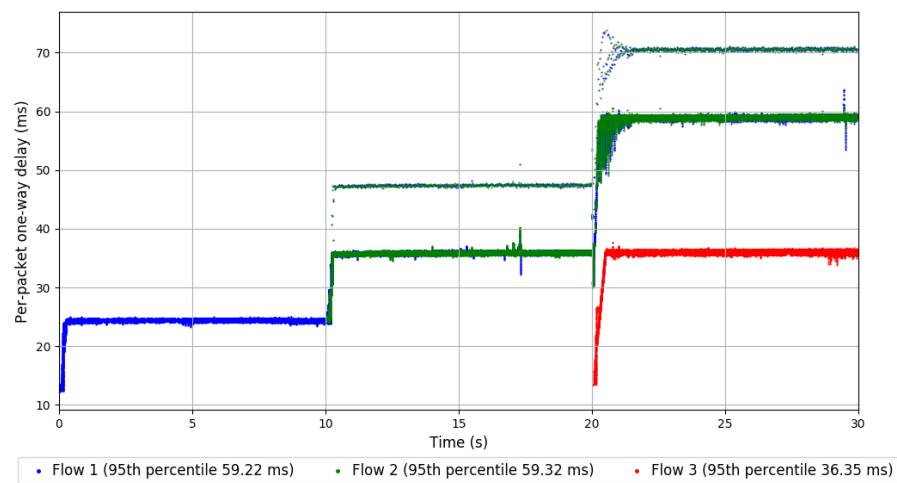
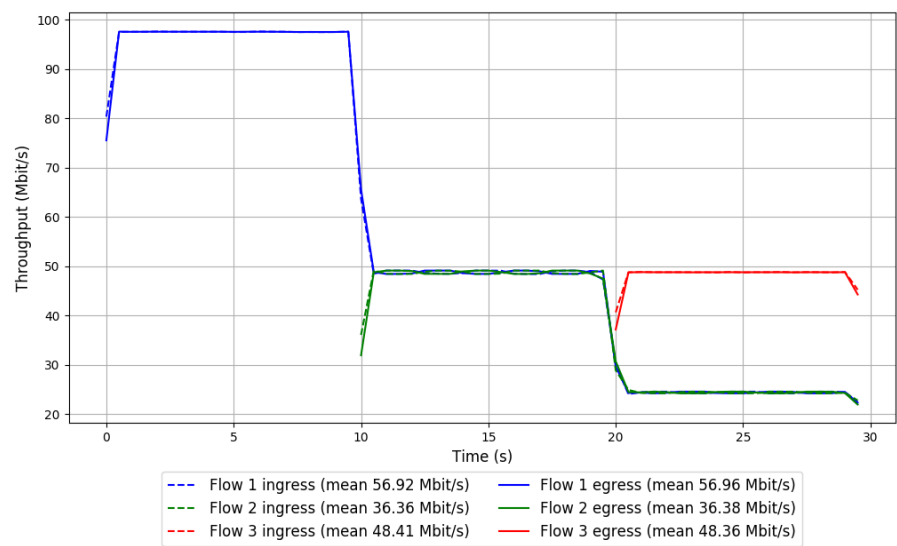


Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 15:01:26
End at: 2018-03-13 15:01:56
Local clock offset: 2.772 ms
Remote clock offset: -4.367 ms

Below is generated by plot.py at 2018-03-13 21:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 59.240 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 59.216 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 59.321 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 36.350 ms
Loss rate: 0.47%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:22:39

End at: 2018-03-13 15:23:09

Local clock offset: 2.215 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2018-03-13 21:15:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 51.598 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 51.514 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 51.589 ms

Loss rate: 0.24%

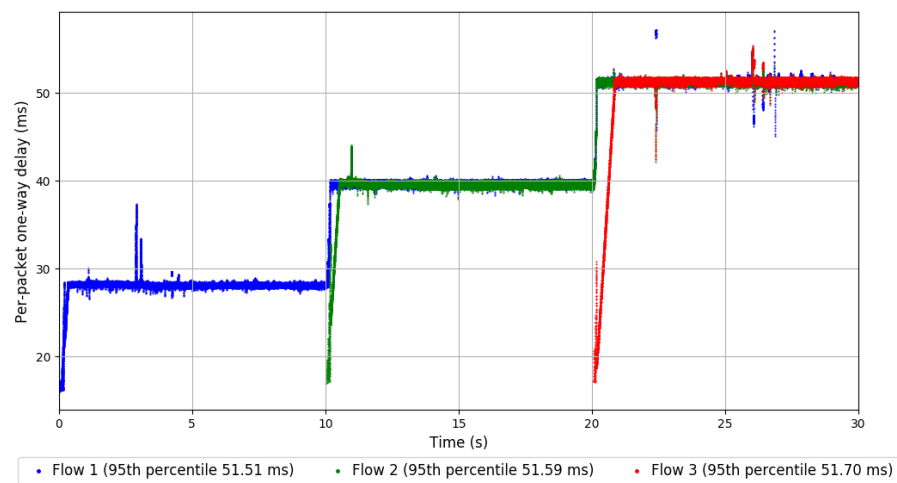
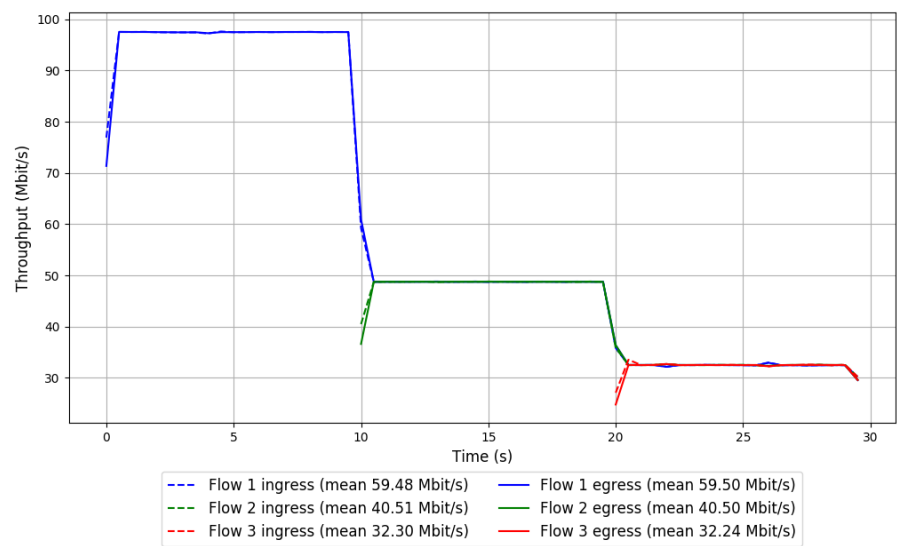
-- Flow 3:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 51.696 ms

Loss rate: 0.62%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 15:44:02

End at: 2018-03-13 15:44:32

Local clock offset: 1.737 ms

Remote clock offset: 3.187 ms

Below is generated by plot.py at 2018-03-13 21:15:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 57.763 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 56.95 Mbit/s

95th percentile per-packet one-way delay: 57.732 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 36.40 Mbit/s

95th percentile per-packet one-way delay: 57.854 ms

Loss rate: 0.23%

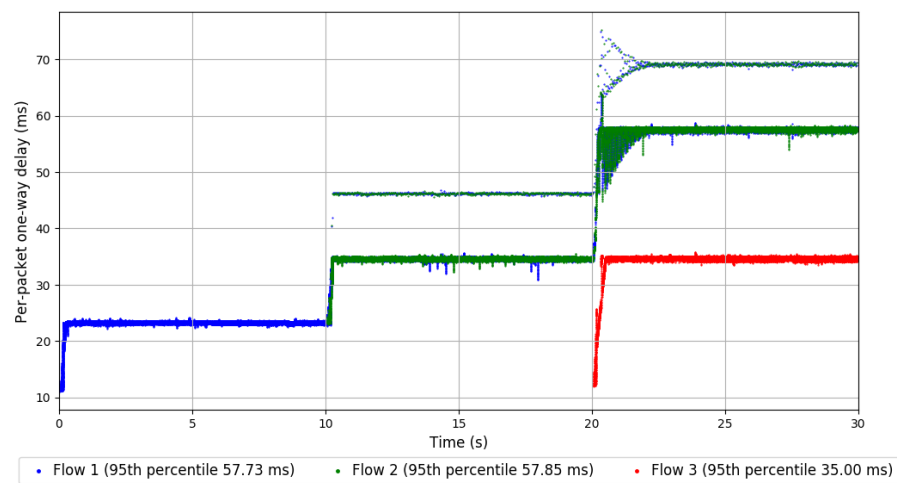
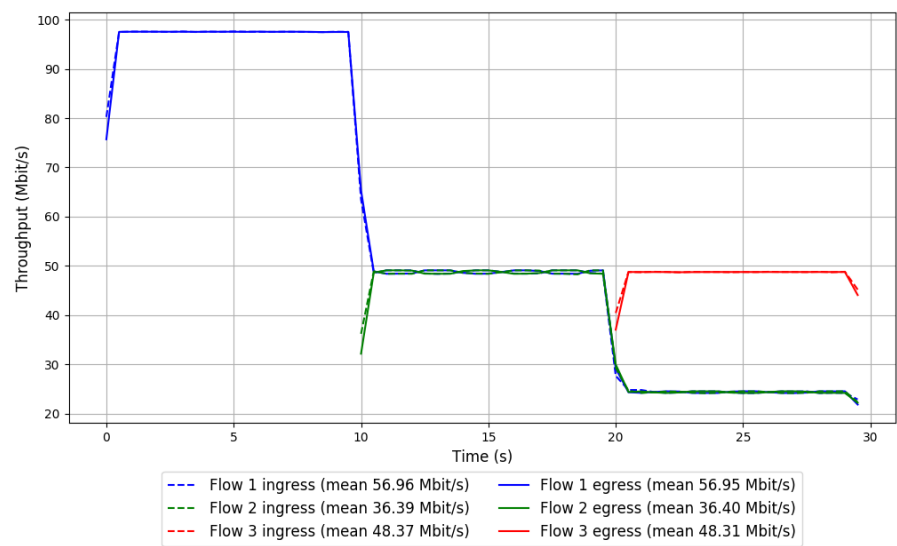
-- Flow 3:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 35.002 ms

Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:05:06

End at: 2018-03-13 16:05:36

Local clock offset: 6.874 ms

Remote clock offset: 1.805 ms

Below is generated by plot.py at 2018-03-13 21:15:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 51.718 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 51.627 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 51.801 ms

Loss rate: 0.23%

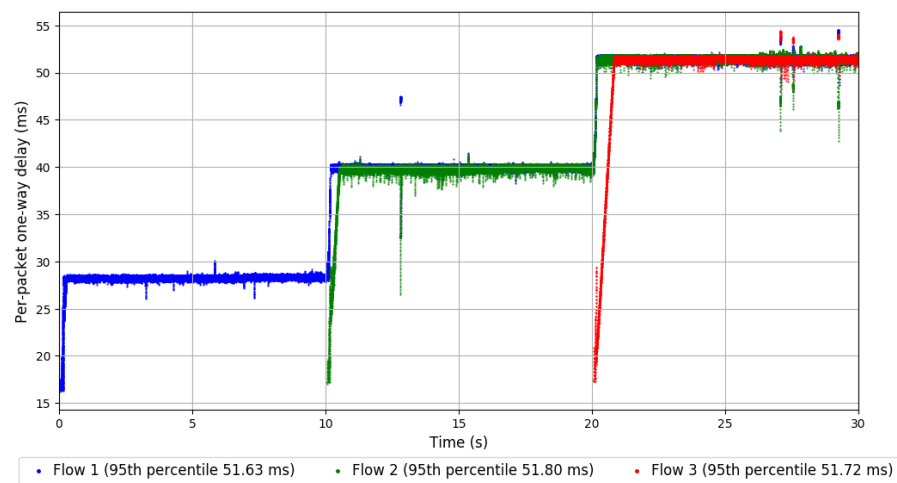
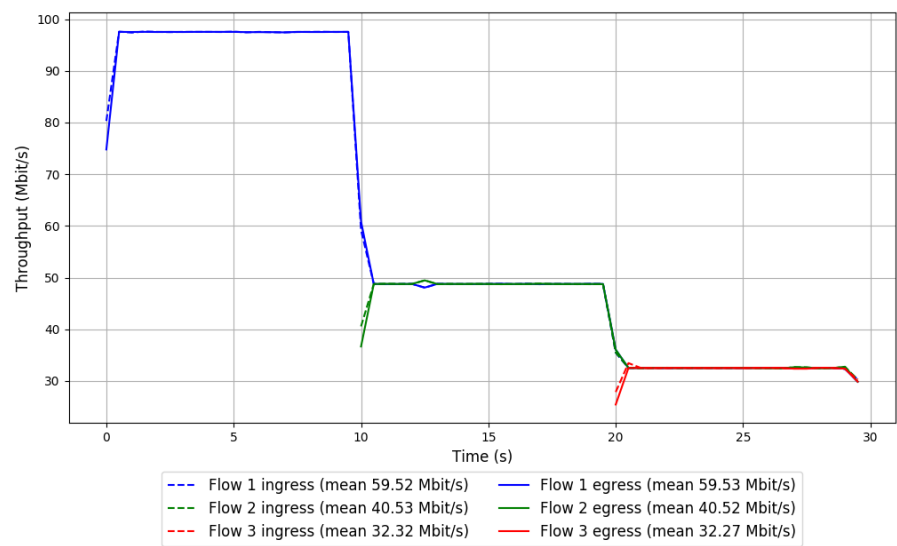
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 51.716 ms

Loss rate: 0.58%

Run 6: Report of TCP Cubic — Data Link

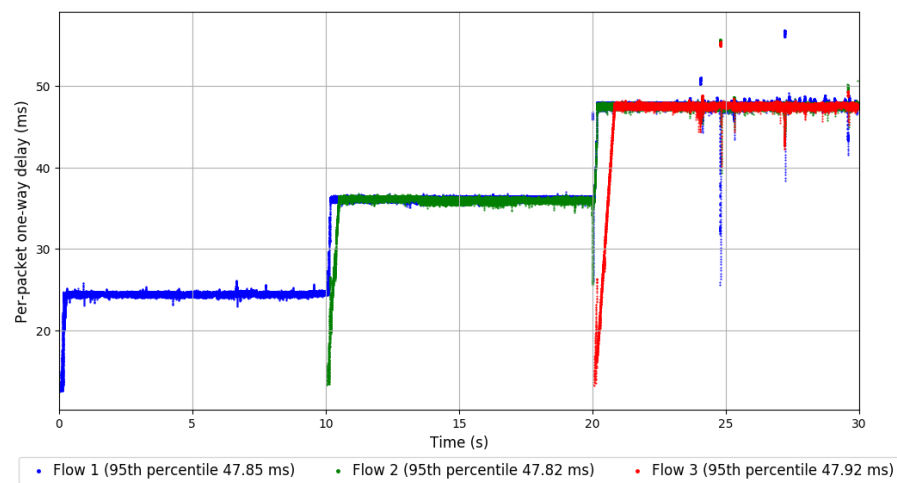
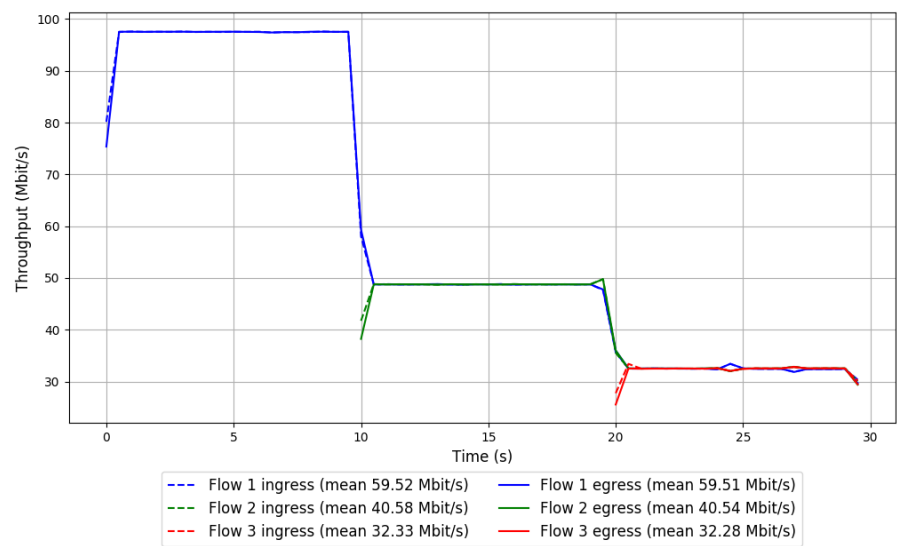


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 16:26:15
End at: 2018-03-13 16:26:45
Local clock offset: 3.427 ms
Remote clock offset: -6.386 ms

```
# Below is generated by plot.py at 2018-03-13 21:15:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 47.864 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 47.849 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 47.822 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 47.924 ms
Loss rate: 0.59%
```


Run 7: Report of TCP Cubic — Data Link

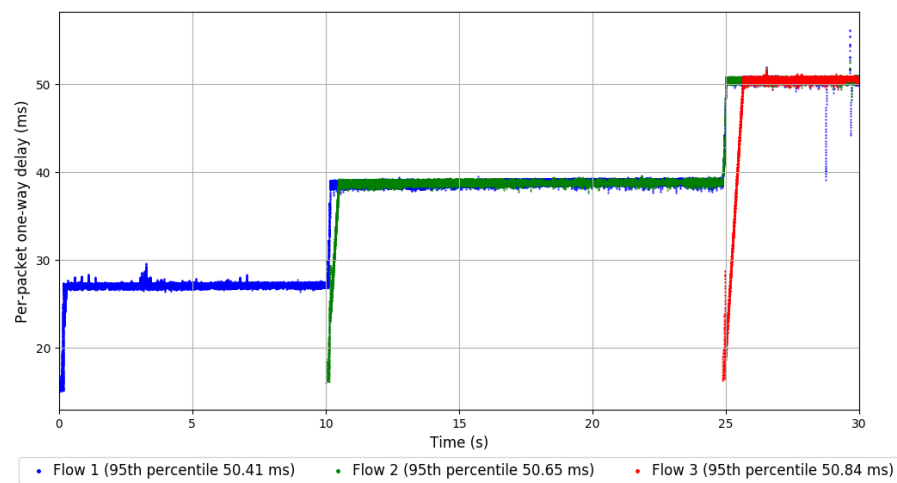
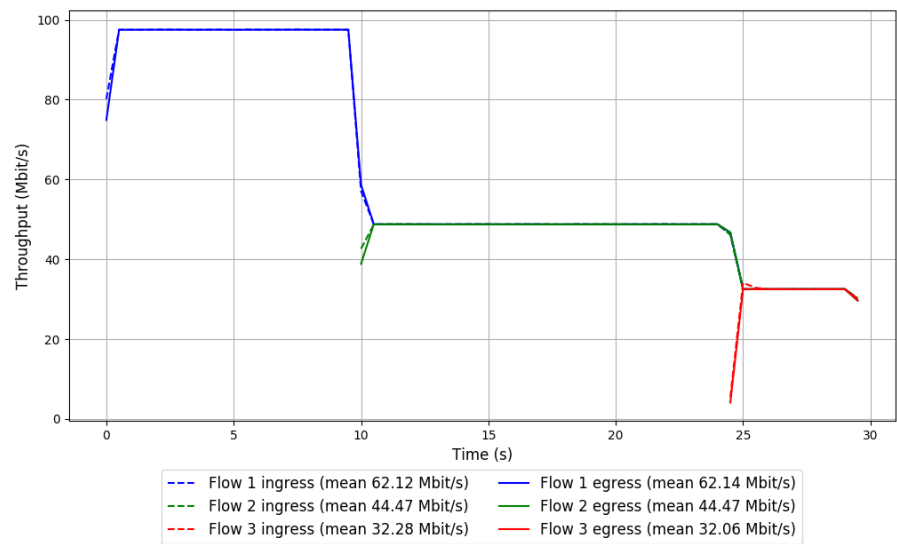


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 16:47:32
End at: 2018-03-13 16:48:02
Local clock offset: 4.037 ms
Remote clock offset: -3.855 ms

Below is generated by plot.py at 2018-03-13 21:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 50.619 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 50.406 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.47 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 1.13%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 17:08:32

End at: 2018-03-13 17:09:02

Local clock offset: 5.148 ms

Remote clock offset: 2.378 ms

Below is generated by plot.py at 2018-03-13 21:16:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 60.936 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 60.245 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 42.80 Mbit/s

95th percentile per-packet one-way delay: 61.105 ms

Loss rate: 0.20%

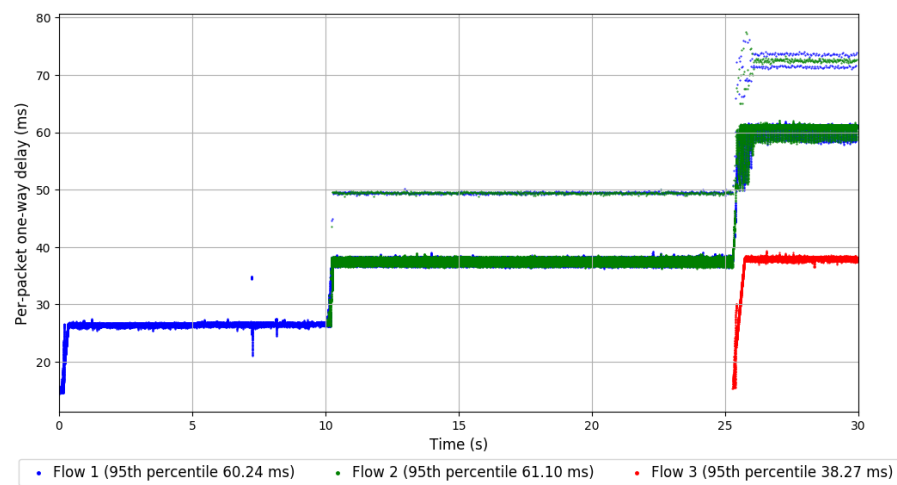
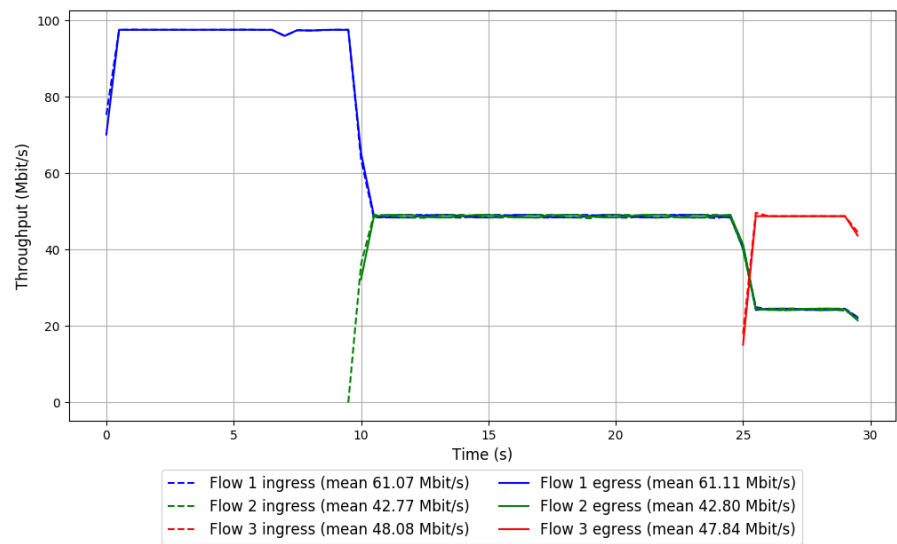
-- Flow 3:

Average throughput: 47.84 Mbit/s

95th percentile per-packet one-way delay: 38.265 ms

Loss rate: 1.02%

Run 9: Report of TCP Cubic — Data Link

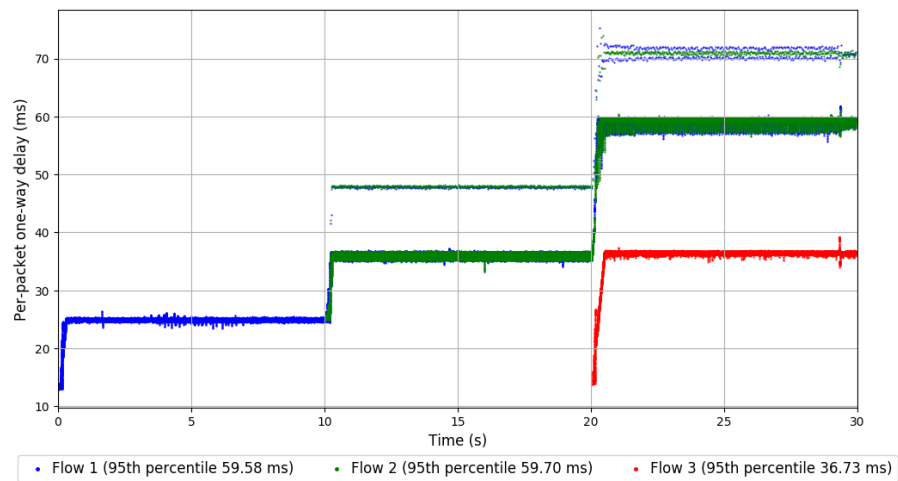
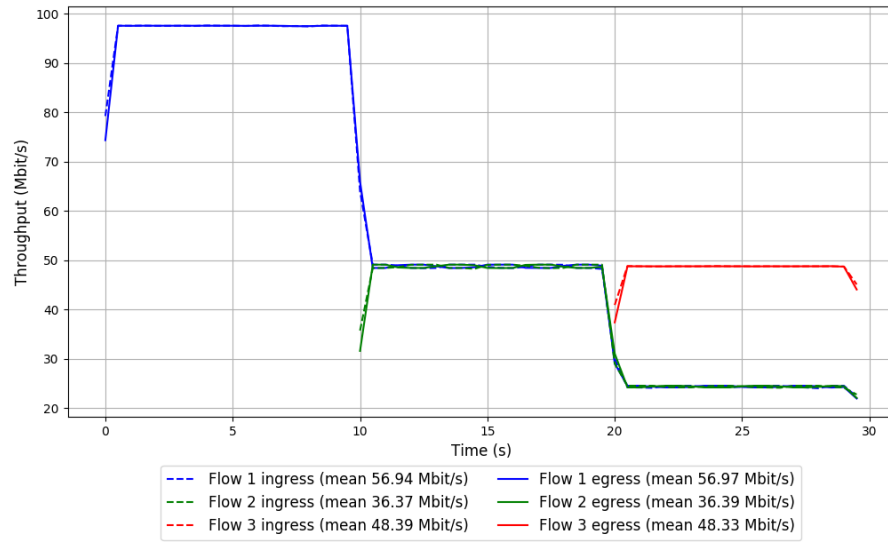


Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 17:29:35
End at: 2018-03-13 17:30:05
Local clock offset: 4.21 ms
Remote clock offset: -0.772 ms

Below is generated by plot.py at 2018-03-13 21:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 59.613 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 59.579 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 59.699 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 36.733 ms
Loss rate: 0.48%

Run 10: Report of TCP Cubic — Data Link

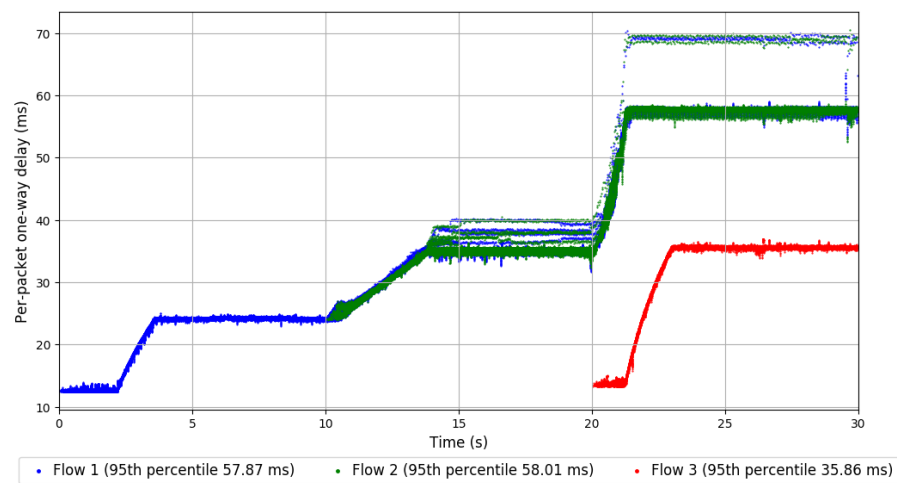
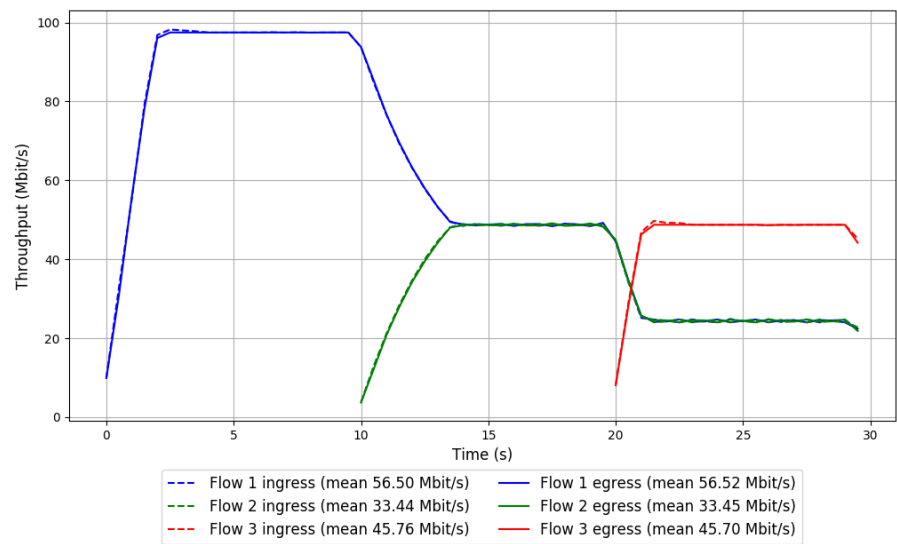


Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:08:01
End at: 2018-03-13 14:08:31
Local clock offset: 3.779 ms
Remote clock offset: -4.767 ms

Below is generated by plot.py at 2018-03-13 21:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 57.907 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 57.871 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 58.010 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 35.857 ms
Loss rate: 0.49%

Run 1: Report of LEDBAT — Data Link

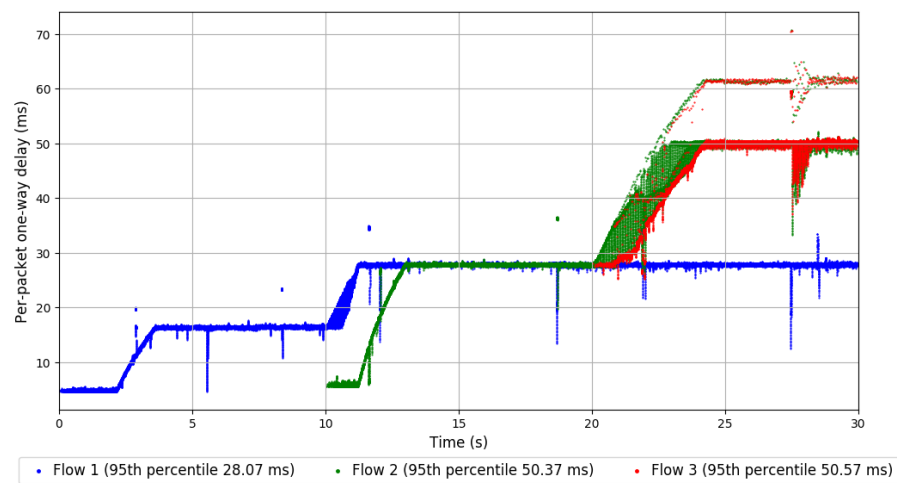
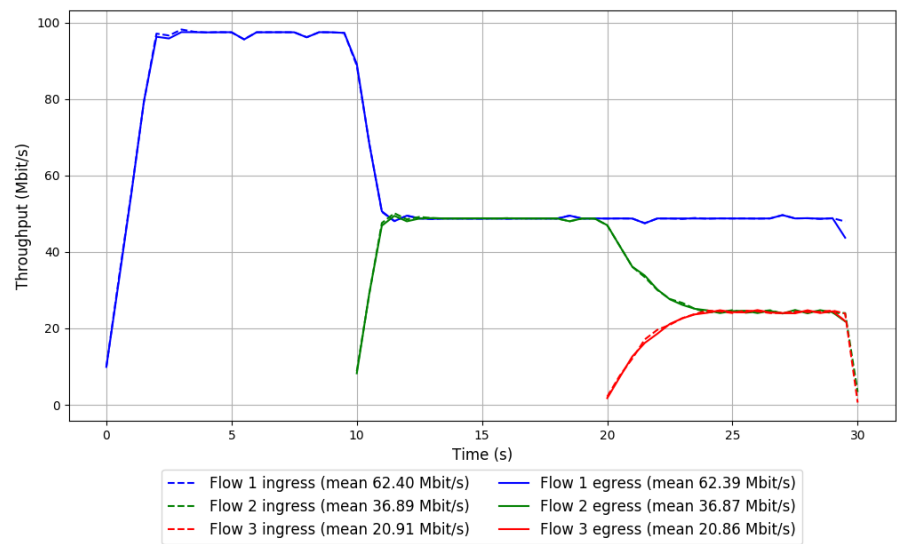


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 14:29:27
End at: 2018-03-13 14:29:57
Local clock offset: -2.202 ms
Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-03-13 21:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 50.218 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 62.39 Mbit/s
95th percentile per-packet one-way delay: 28.074 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 50.365 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 50.569 ms
Loss rate: 1.26%

Run 2: Report of LEDBAT — Data Link

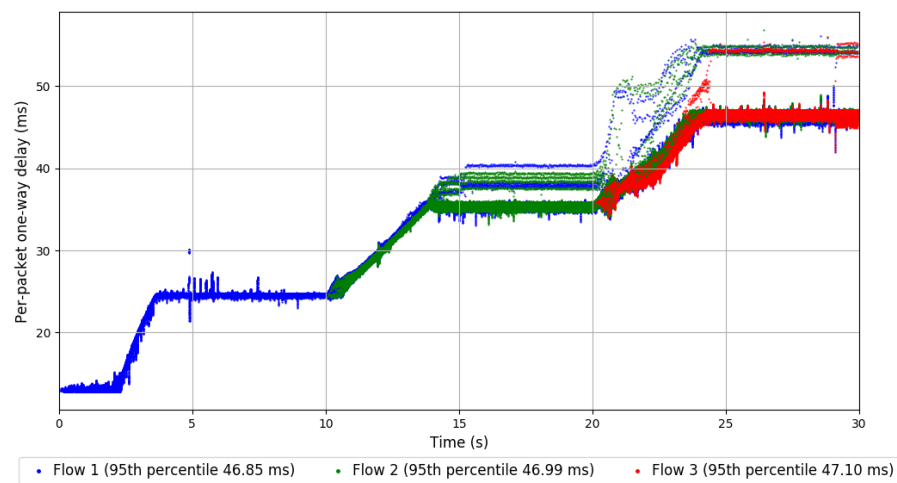
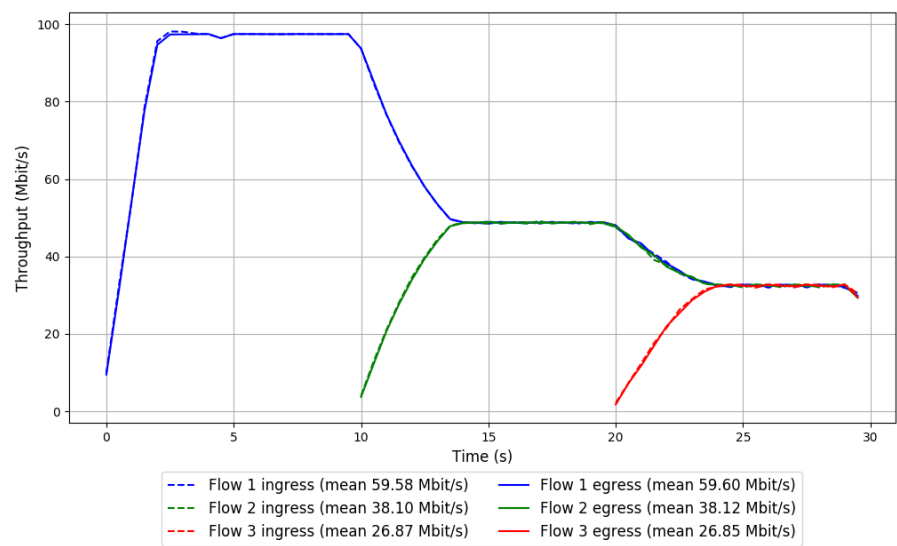


Run 3: Statistics of LEDBAT

Start at: 2018-03-13 14:50:52
End at: 2018-03-13 14:51:22
Local clock offset: 3.814 ms
Remote clock offset: -4.713 ms

Below is generated by plot.py at 2018-03-13 21:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 46.959 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 46.852 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 46.992 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 47.101 ms
Loss rate: 0.75%

Run 3: Report of LEDBAT — Data Link

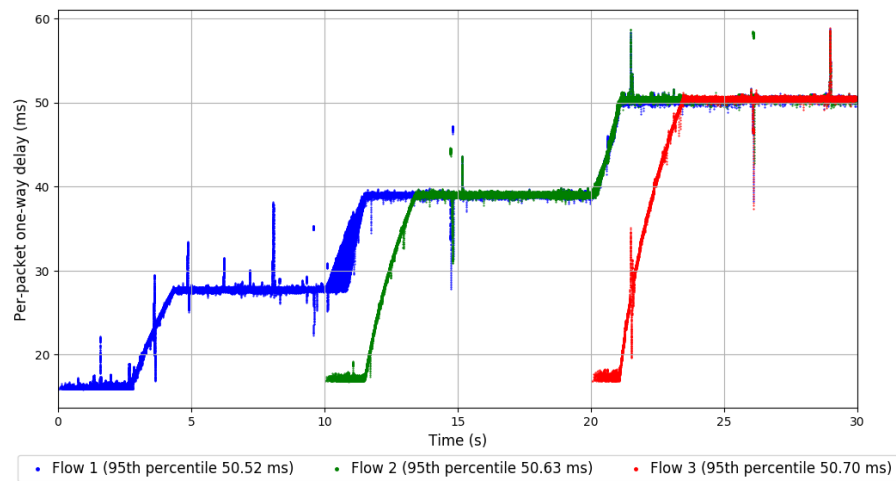
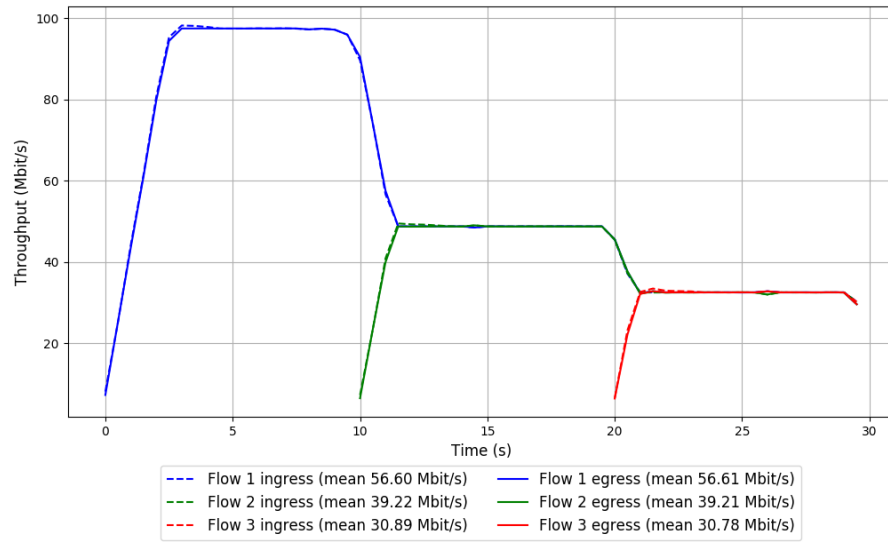


Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:12:00
End at: 2018-03-13 15:12:30
Local clock offset: 2.519 ms
Remote clock offset: -0.776 ms

Below is generated by plot.py at 2018-03-13 21:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 50.628 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 50.523 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 50.703 ms
Loss rate: 0.63%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-13 15:33:24

End at: 2018-03-13 15:33:54

Local clock offset: 3.901 ms

Remote clock offset: 2.876 ms

Below is generated by plot.py at 2018-03-13 21:16:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 59.142 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 59.119 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 33.16 Mbit/s

95th percentile per-packet one-way delay: 59.220 ms

Loss rate: 0.25%

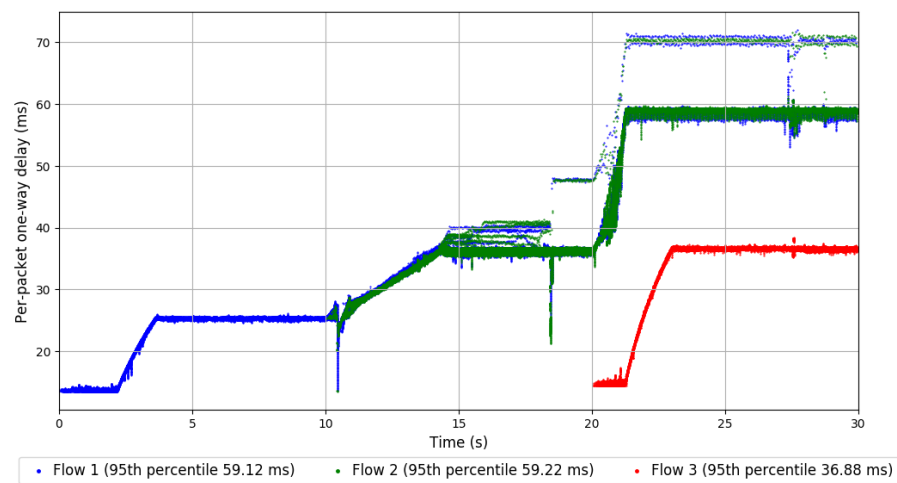
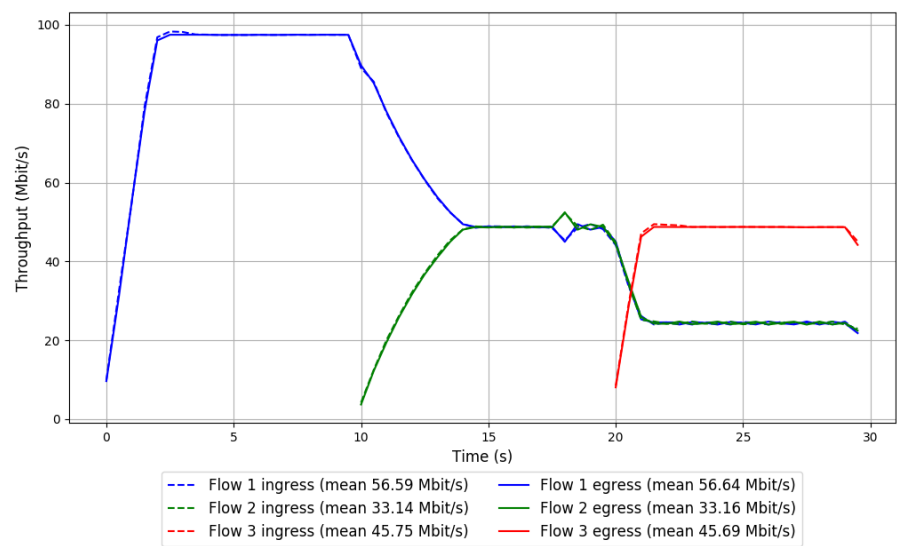
-- Flow 3:

Average throughput: 45.69 Mbit/s

95th percentile per-packet one-way delay: 36.878 ms

Loss rate: 0.49%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-13 15:54:38

End at: 2018-03-13 15:55:08

Local clock offset: 3.458 ms

Remote clock offset: 2.683 ms

Below is generated by plot.py at 2018-03-13 21:17:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 58.075 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 58.042 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 35.868 ms

Loss rate: 0.24%

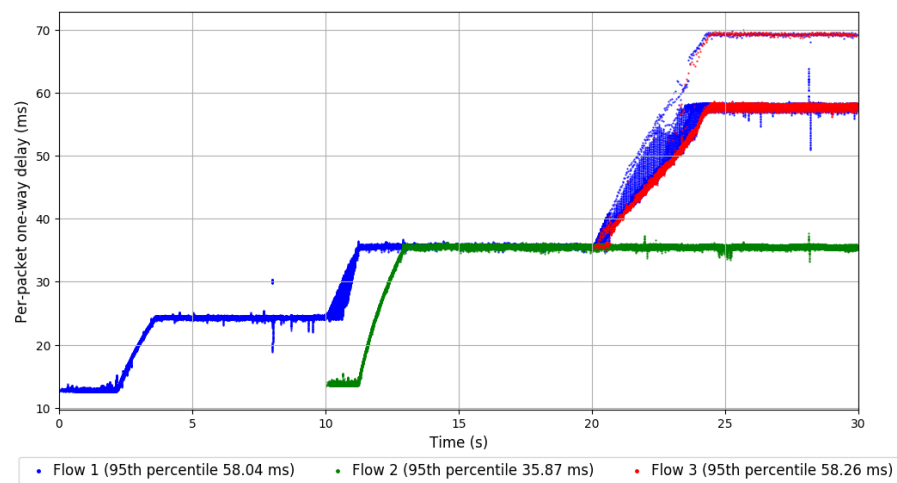
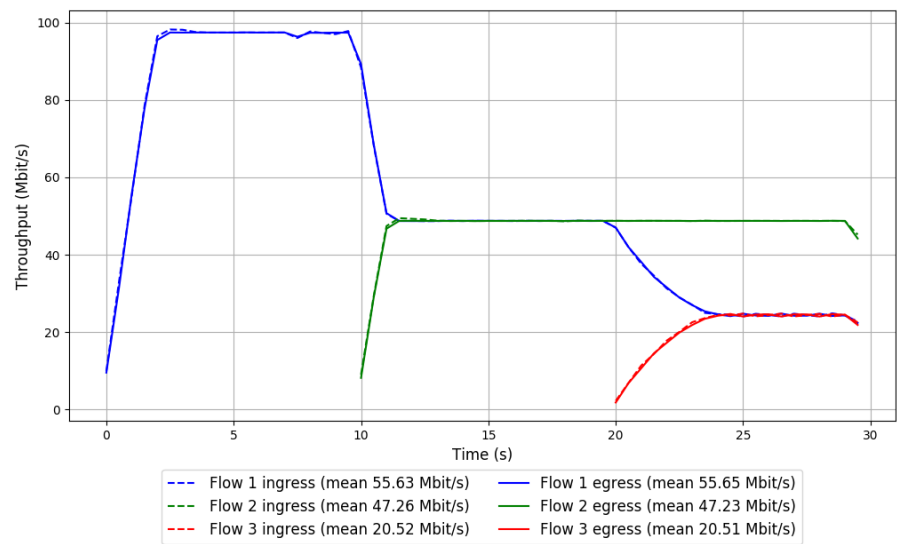
-- Flow 3:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 58.262 ms

Loss rate: 0.81%

Run 6: Report of LEDBAT — Data Link

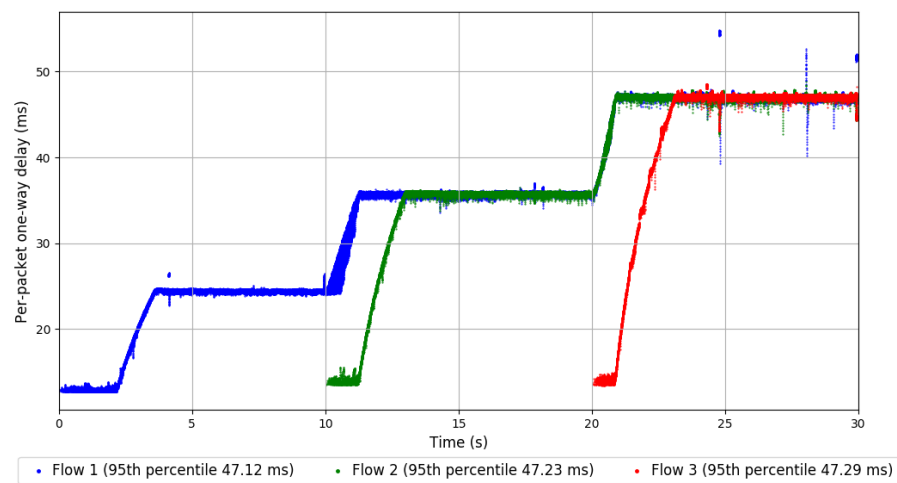
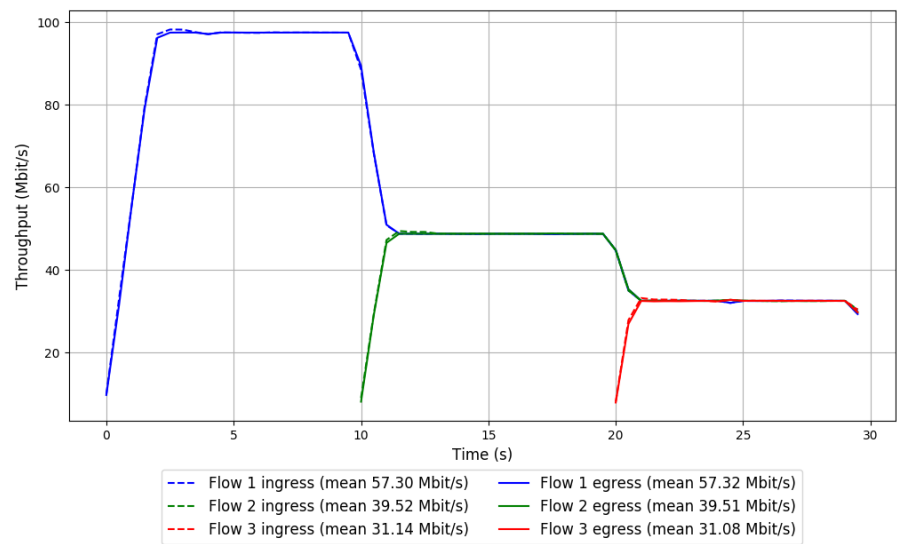


Run 7: Statistics of LEDBAT

Start at: 2018-03-13 16:15:44
End at: 2018-03-13 16:16:14
Local clock offset: 4.294 ms
Remote clock offset: -3.233 ms

Below is generated by plot.py at 2018-03-13 21:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 47.204 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 47.121 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 47.229 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 47.286 ms
Loss rate: 0.60%

Run 7: Report of LEDBAT — Data Link

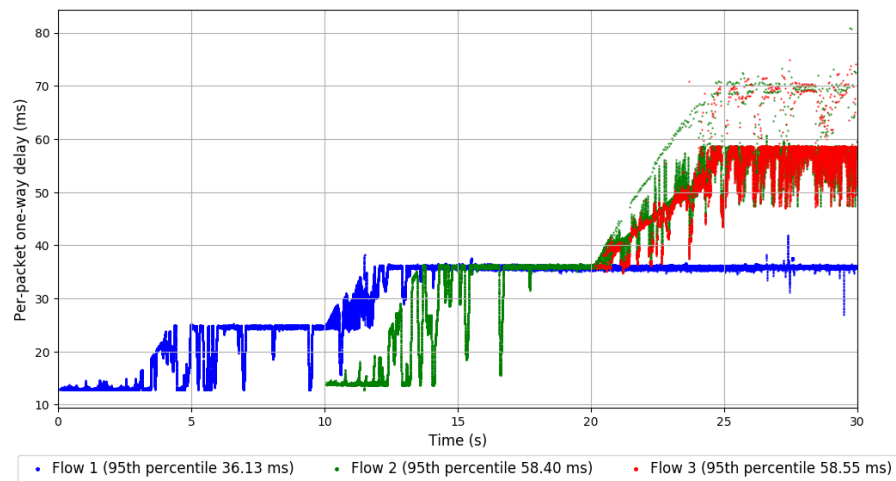
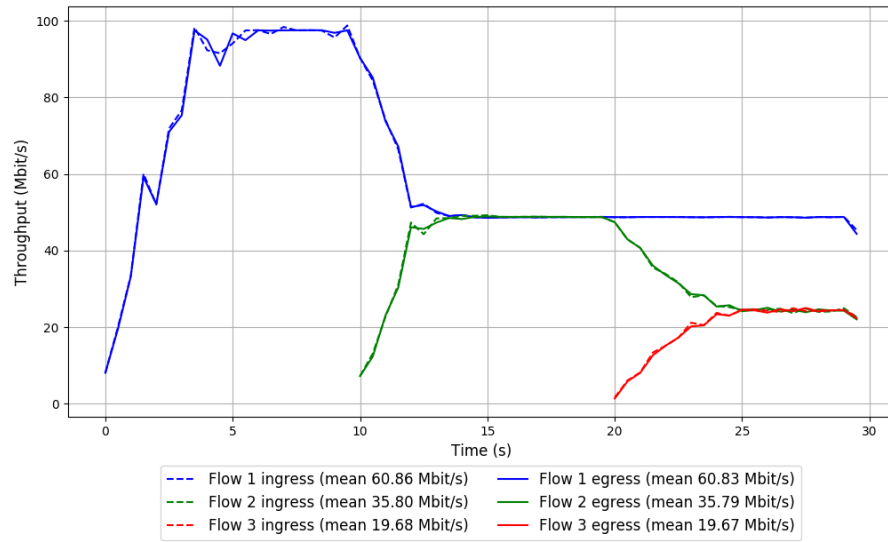


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 16:36:59
End at: 2018-03-13 16:37:29
Local clock offset: 3.026 ms
Remote clock offset: -7.713 ms

```
# Below is generated by plot.py at 2018-03-13 21:18:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 57.202 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 36.135 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 58.402 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 58.554 ms
Loss rate: 0.81%
```

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-13 16:58:04

End at: 2018-03-13 16:58:34

Local clock offset: 0.194 ms

Remote clock offset: 0.805 ms

Below is generated by plot.py at 2018-03-13 21:18:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 56.276 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 56.246 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 56.383 ms

Loss rate: 0.25%

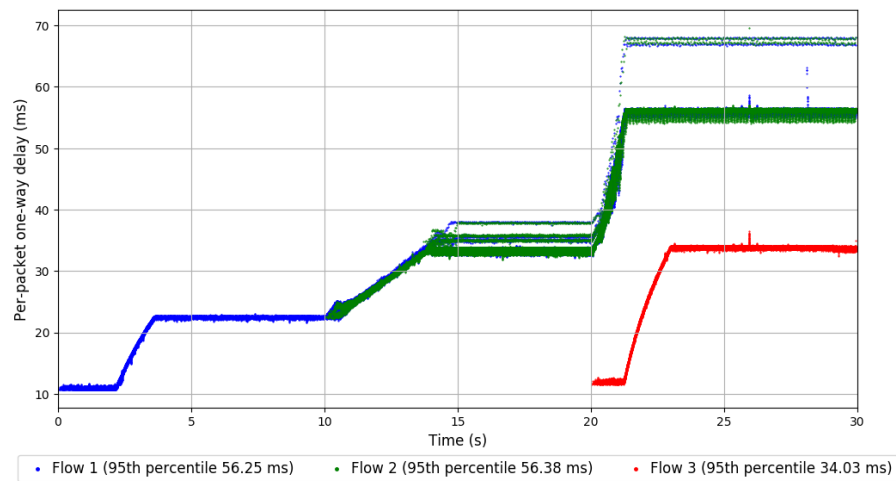
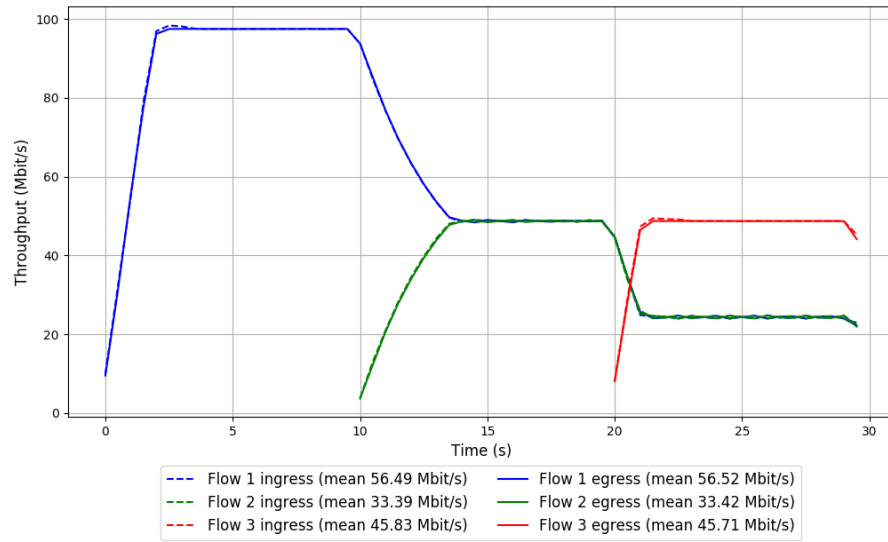
-- Flow 3:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 34.035 ms

Loss rate: 0.48%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-13 17:19:07

End at: 2018-03-13 17:19:37

Local clock offset: 5.999 ms

Remote clock offset: 2.584 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

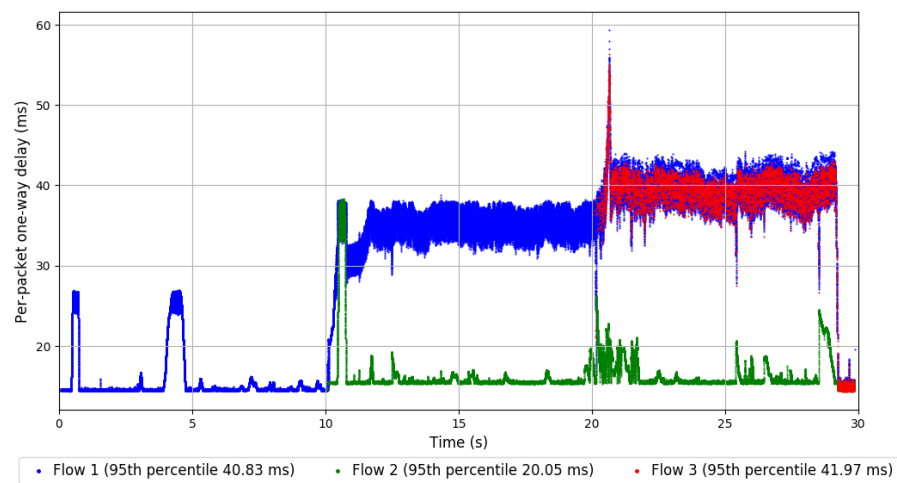
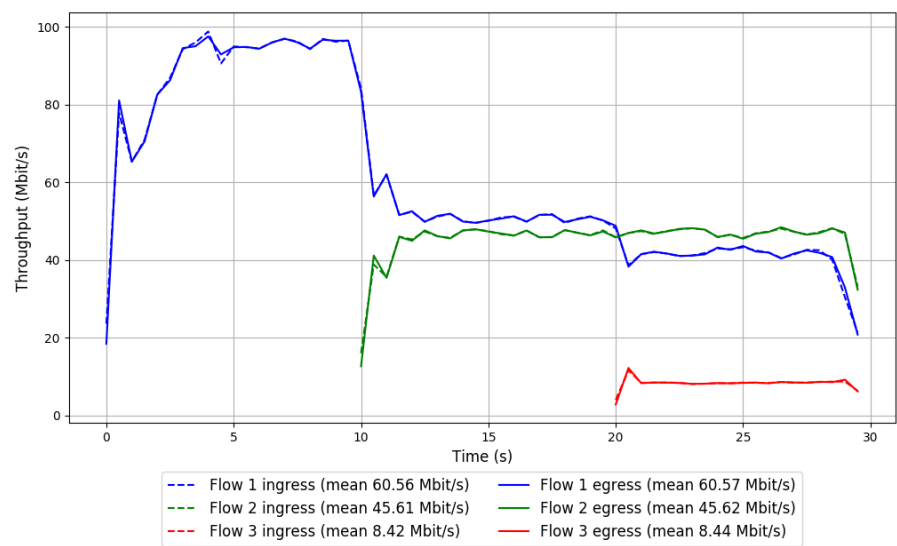
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-03-13 14:13:51
End at: 2018-03-13 14:14:21
Local clock offset: 7.143 ms
Remote clock offset: -3.471 ms

Below is generated by plot.py at 2018-03-13 21:18:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 40.463 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 40.831 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 41.972 ms
Loss rate: 0.23%

Run 1: Report of PCC — Data Link

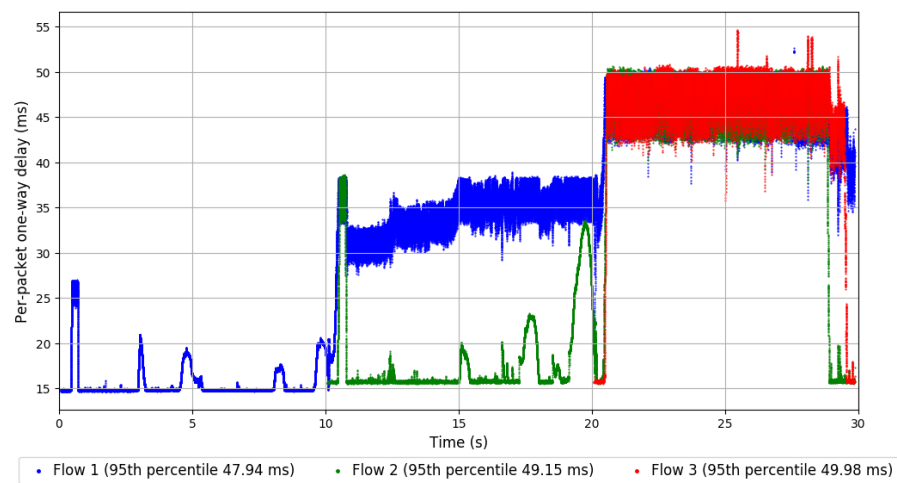
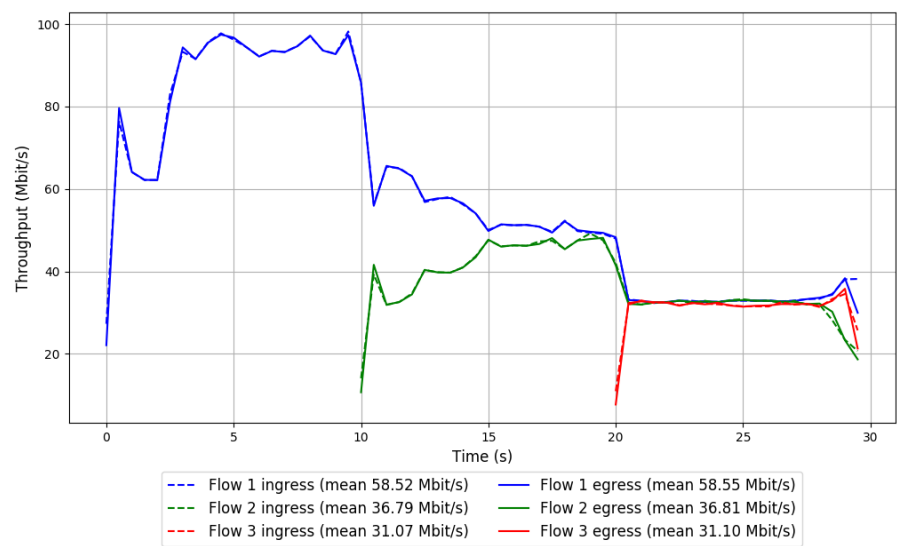


Run 2: Statistics of PCC

Start at: 2018-03-13 14:35:21
End at: 2018-03-13 14:35:51
Local clock offset: 6.457 ms
Remote clock offset: -4.544 ms

Below is generated by plot.py at 2018-03-13 21:18:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 49.000 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 47.944 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 49.145 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 49.978 ms
Loss rate: 1.04%

Run 2: Report of PCC — Data Link

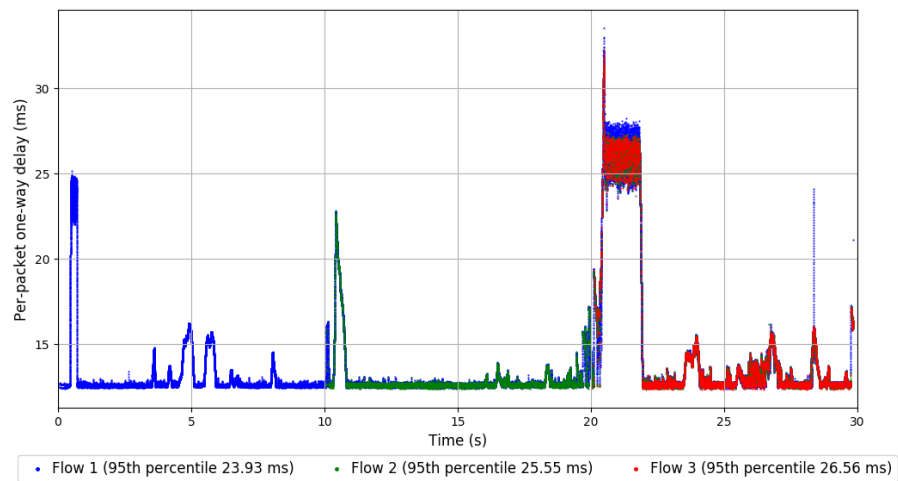
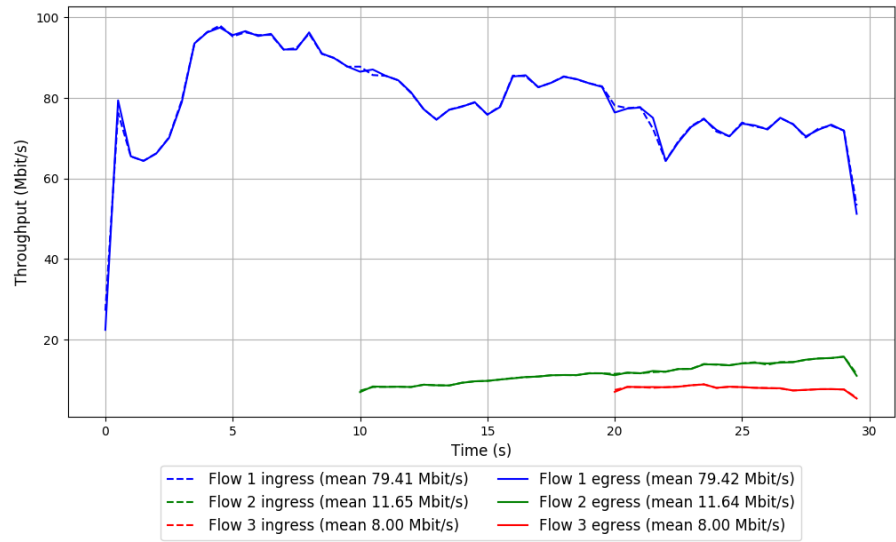


Run 3: Statistics of PCC

Start at: 2018-03-13 14:56:46
End at: 2018-03-13 14:57:16
Local clock offset: 2.613 ms
Remote clock offset: -5.998 ms

Below is generated by plot.py at 2018-03-13 21:18:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 23.933 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 25.552 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 26.557 ms
Loss rate: 0.26%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-13 15:17:53

End at: 2018-03-13 15:18:23

Local clock offset: 2.604 ms

Remote clock offset: 1.209 ms

Below is generated by plot.py at 2018-03-13 21:18:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 35.899 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.94 Mbit/s

95th percentile per-packet one-way delay: 35.871 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 37.712 ms

Loss rate: 0.14%

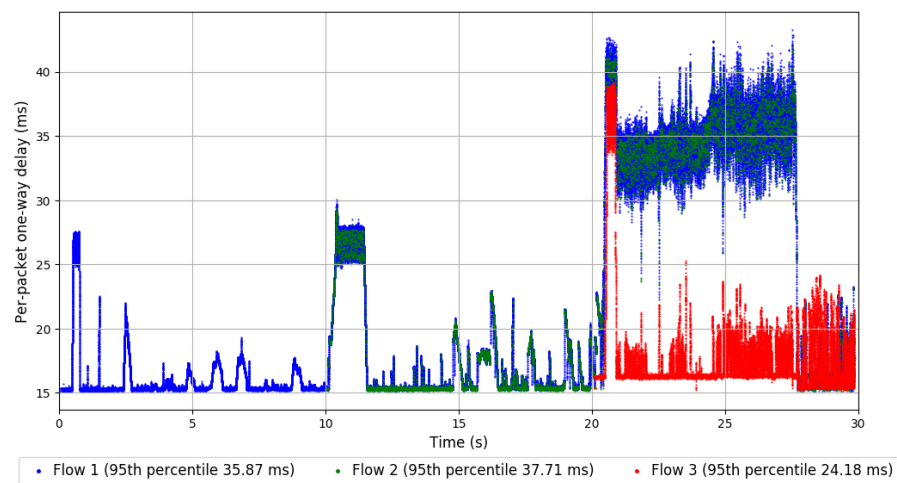
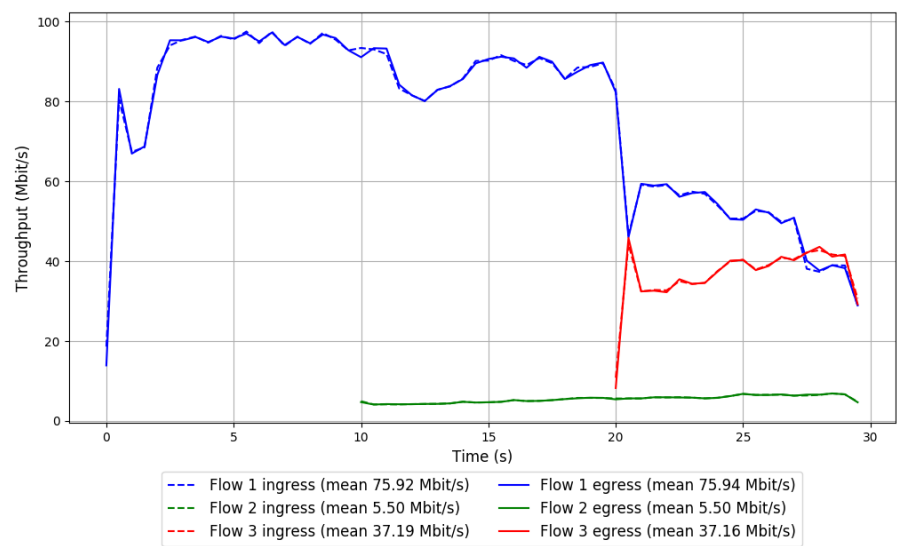
-- Flow 3:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 24.185 ms

Loss rate: 0.34%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-13 15:39:14

End at: 2018-03-13 15:39:44

Local clock offset: 2.239 ms

Remote clock offset: 2.303 ms

Below is generated by plot.py at 2018-03-13 21:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 47.023 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 46.276 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 48.448 ms

Loss rate: 0.25%

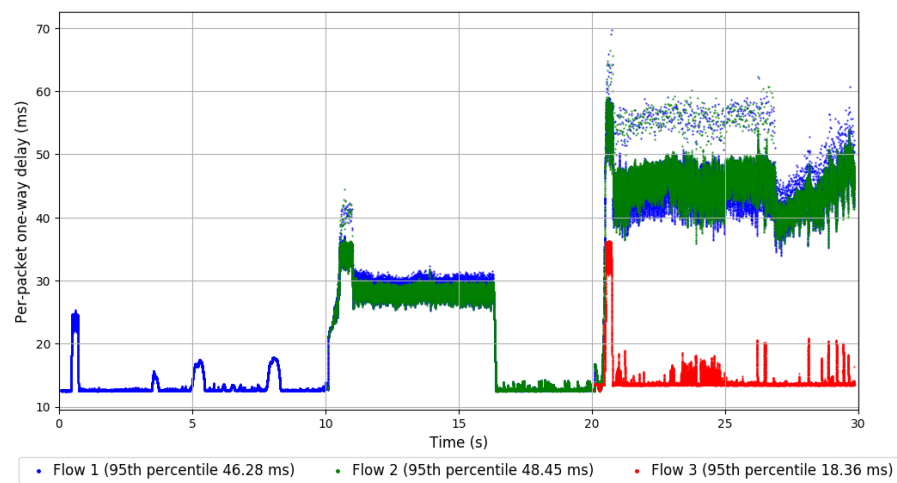
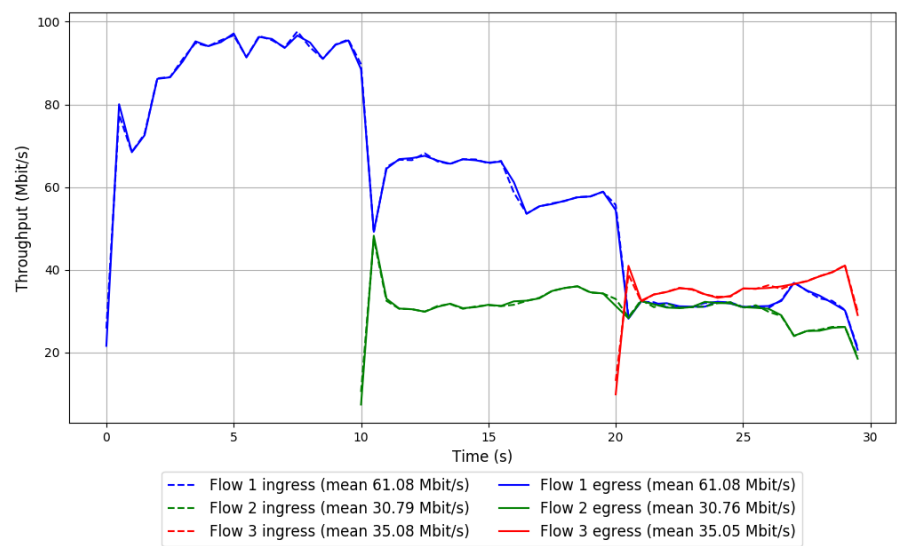
-- Flow 3:

Average throughput: 35.05 Mbit/s

95th percentile per-packet one-way delay: 18.359 ms

Loss rate: 0.29%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-13 16:00:25

End at: 2018-03-13 16:00:55

Local clock offset: 3.211 ms

Remote clock offset: 2.947 ms

Below is generated by plot.py at 2018-03-13 21:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.16 Mbit/s

95th percentile per-packet one-way delay: 50.319 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 49.073 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 30.25 Mbit/s

95th percentile per-packet one-way delay: 53.278 ms

Loss rate: 0.28%

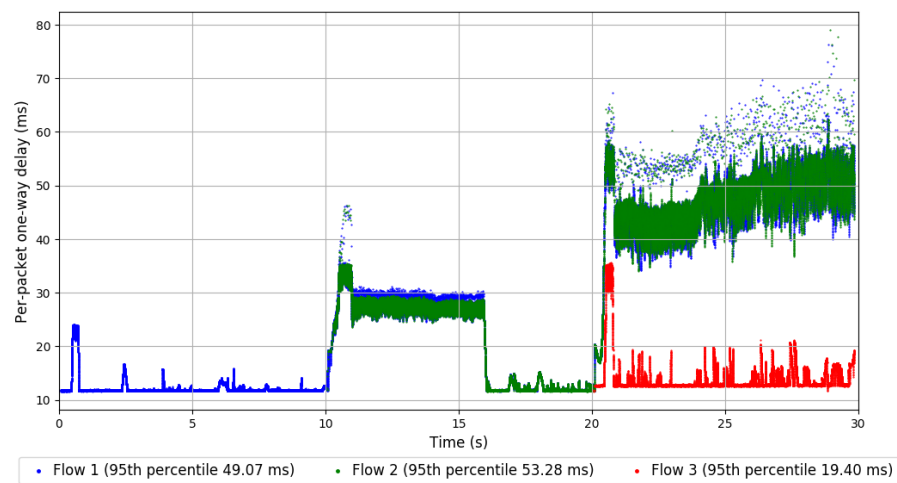
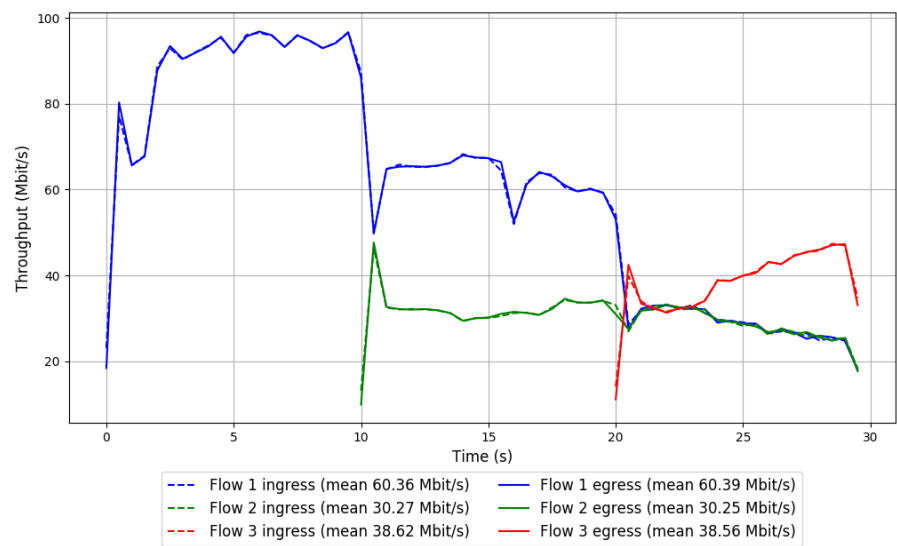
-- Flow 3:

Average throughput: 38.56 Mbit/s

95th percentile per-packet one-way delay: 19.397 ms

Loss rate: 0.38%

Run 6: Report of PCC — Data Link

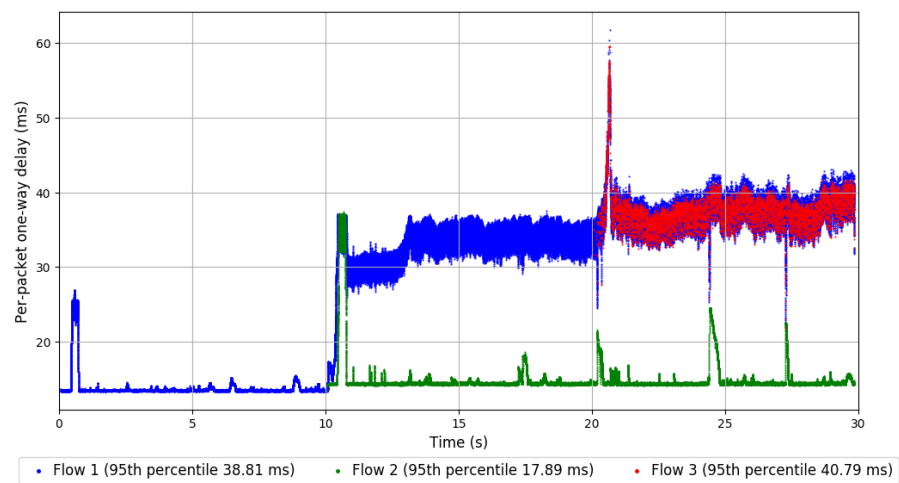
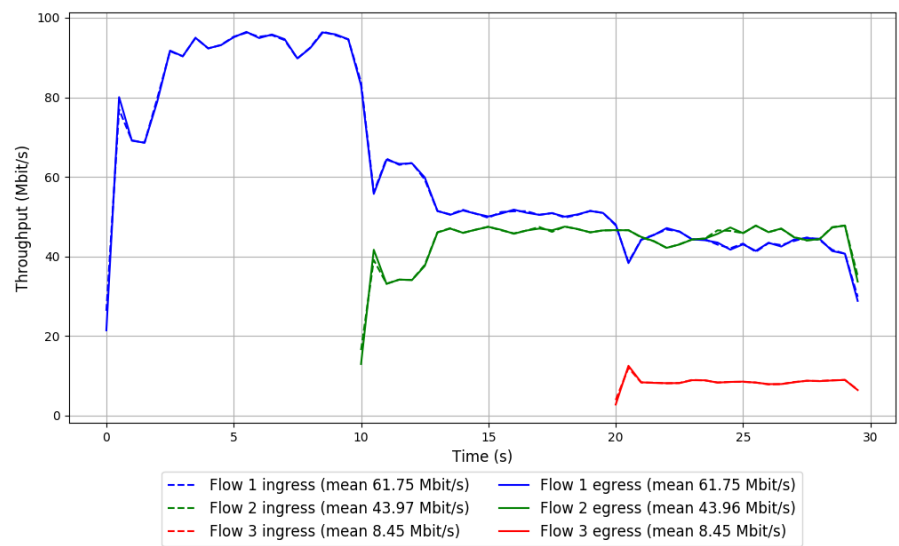


Run 7: Statistics of PCC

Start at: 2018-03-13 16:21:34
End at: 2018-03-13 16:22:04
Local clock offset: 4.508 ms
Remote clock offset: -5.878 ms

Below is generated by plot.py at 2018-03-13 21:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 38.450 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 38.809 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 17.885 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 40.790 ms
Loss rate: 0.45%

Run 7: Report of PCC — Data Link

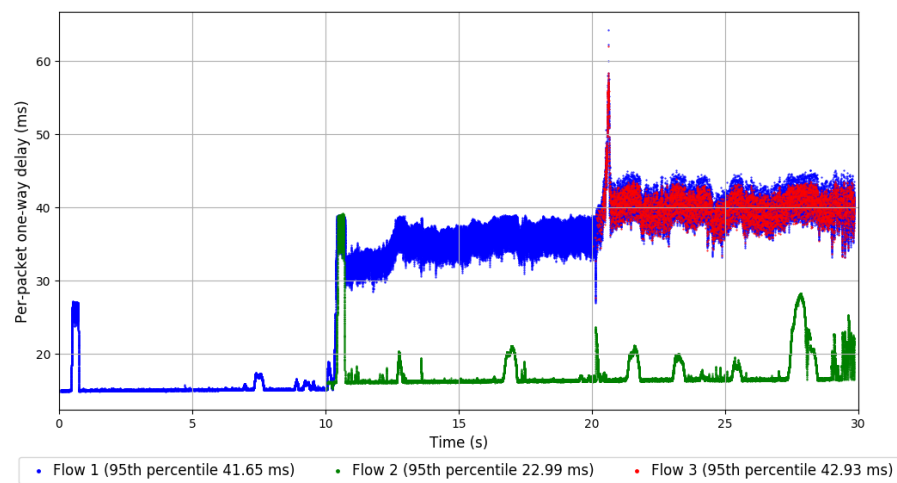
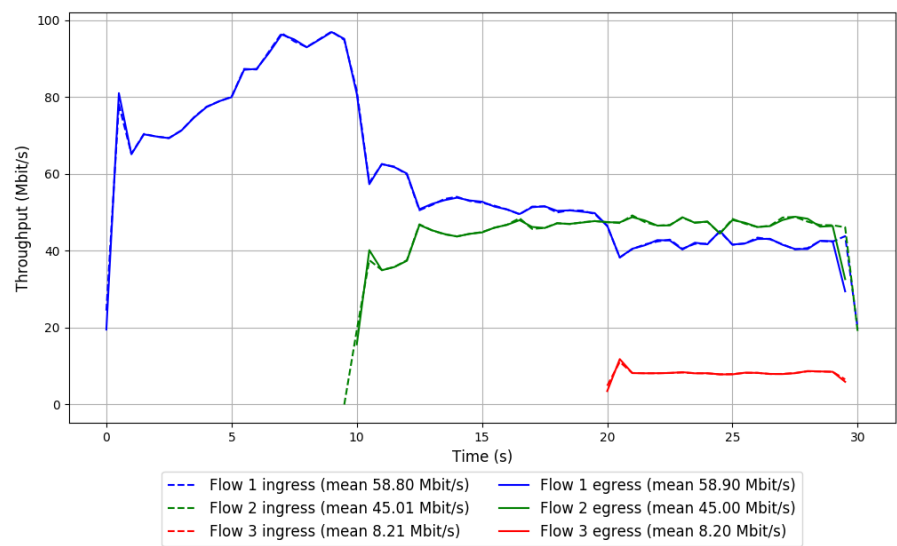


Run 8: Statistics of PCC

Start at: 2018-03-13 16:42:50
End at: 2018-03-13 16:43:20
Local clock offset: 3.896 ms
Remote clock offset: -8.239 ms

Below is generated by plot.py at 2018-03-13 21:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 41.278 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 41.649 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 22.992 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 42.926 ms
Loss rate: 0.77%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-13 17:03:50

End at: 2018-03-13 17:04:20

Local clock offset: 4.908 ms

Remote clock offset: 2.504 ms

Below is generated by plot.py at 2018-03-13 21:19:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 41.014 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 72.85 Mbit/s

95th percentile per-packet one-way delay: 40.930 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 11.53 Mbit/s

95th percentile per-packet one-way delay: 43.038 ms

Loss rate: 0.23%

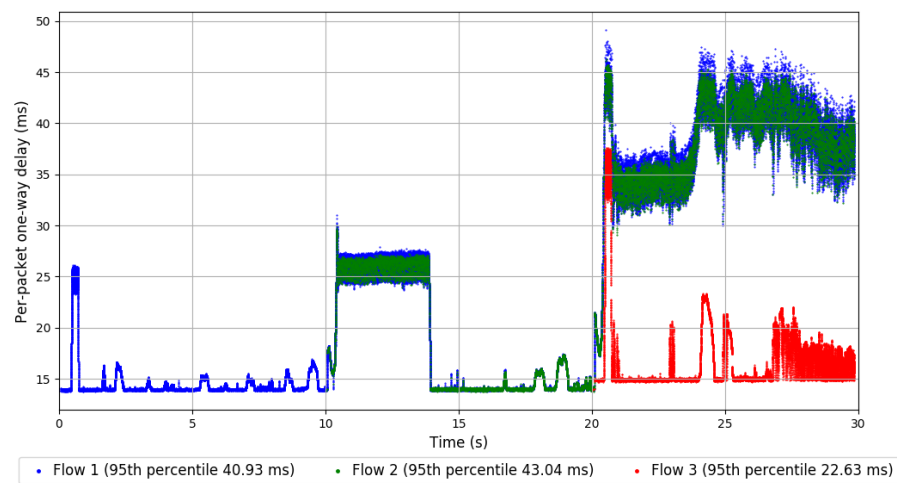
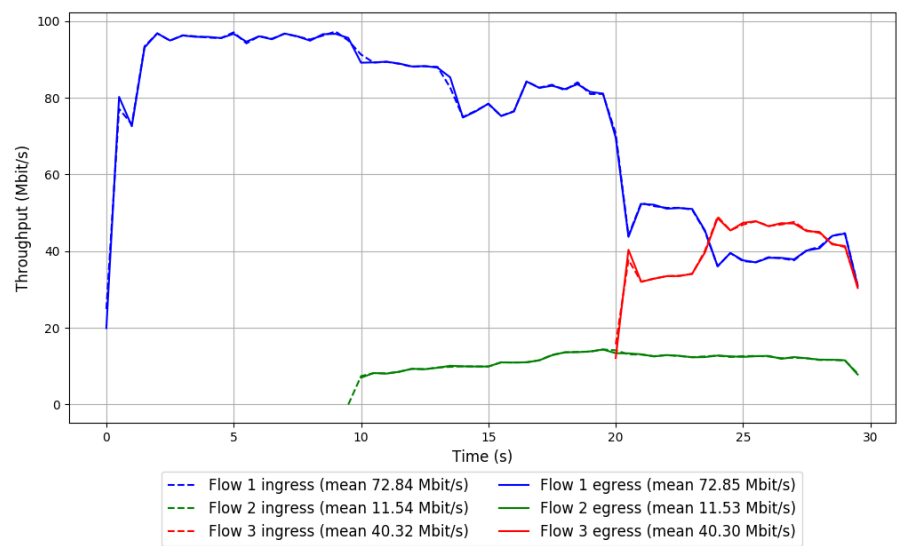
-- Flow 3:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 22.631 ms

Loss rate: 0.27%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-13 17:24:54

End at: 2018-03-13 17:25:24

Local clock offset: 3.787 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-03-13 21:19:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 33.769 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 60.56 Mbit/s

95th percentile per-packet one-way delay: 34.235 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 27.687 ms

Loss rate: 0.13%

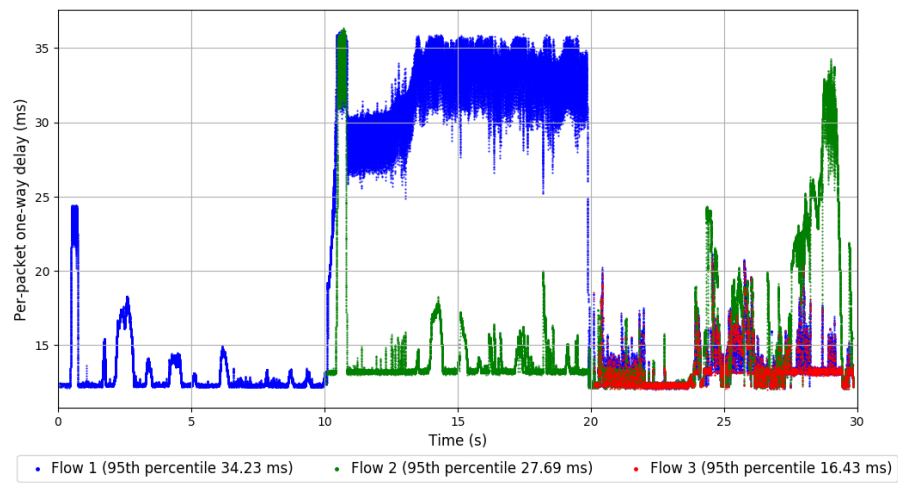
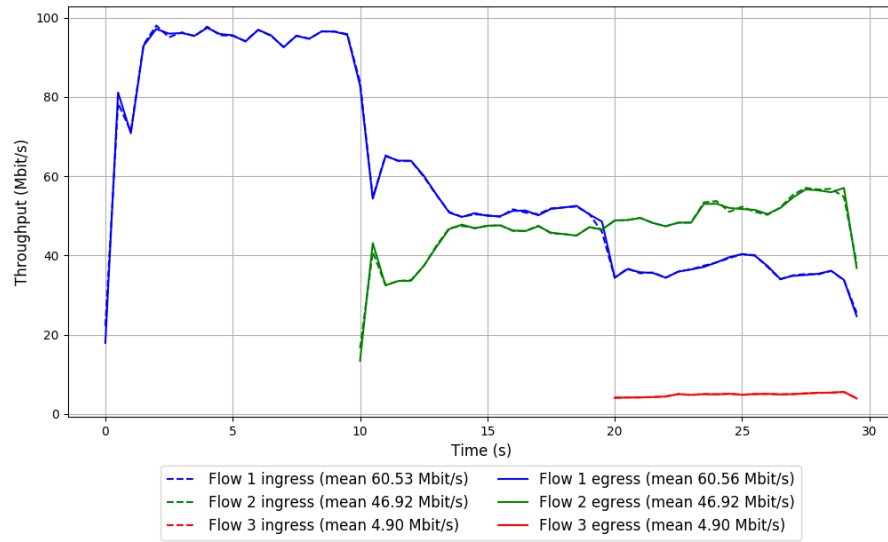
-- Flow 3:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 16.434 ms

Loss rate: 0.25%

Run 10: Report of PCC — Data Link

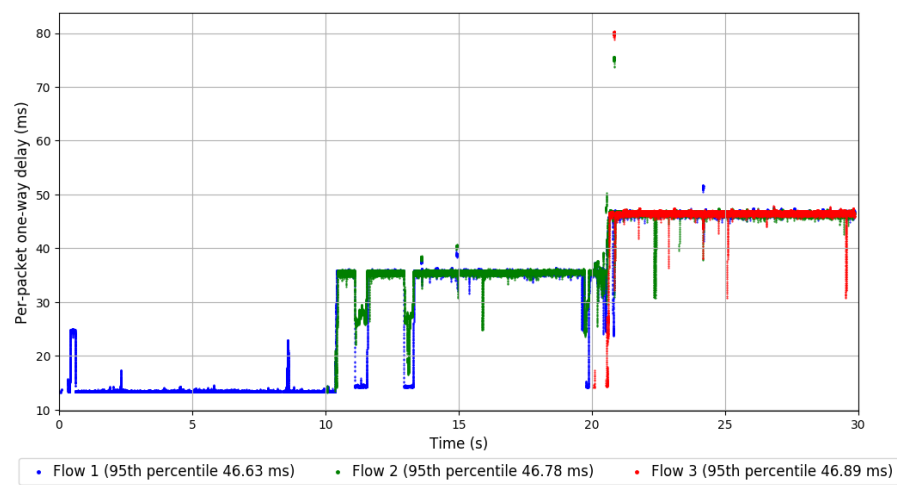
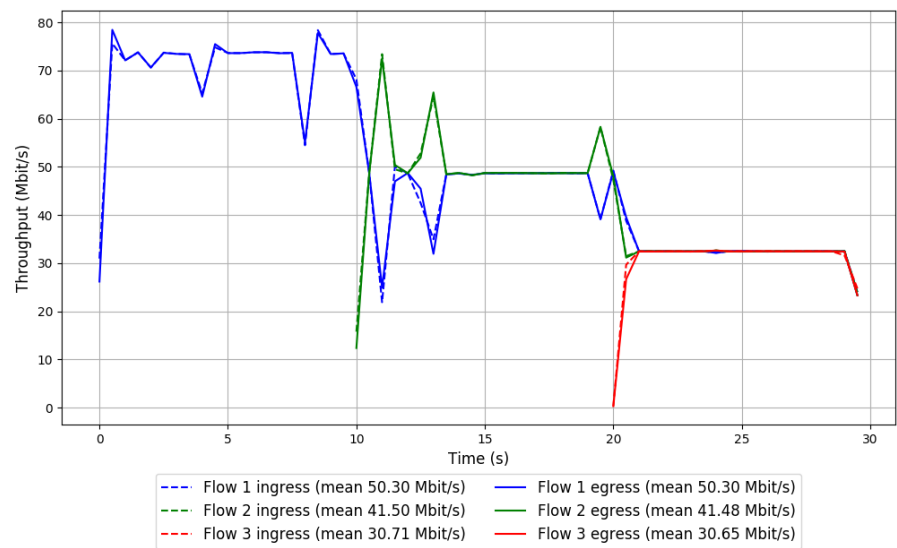


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:10:28
End at: 2018-03-13 14:10:58
Local clock offset: 4.154 ms
Remote clock offset: -5.197 ms

Below is generated by plot.py at 2018-03-13 21:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 46.785 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 46.628 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 46.779 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 46.890 ms
Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link

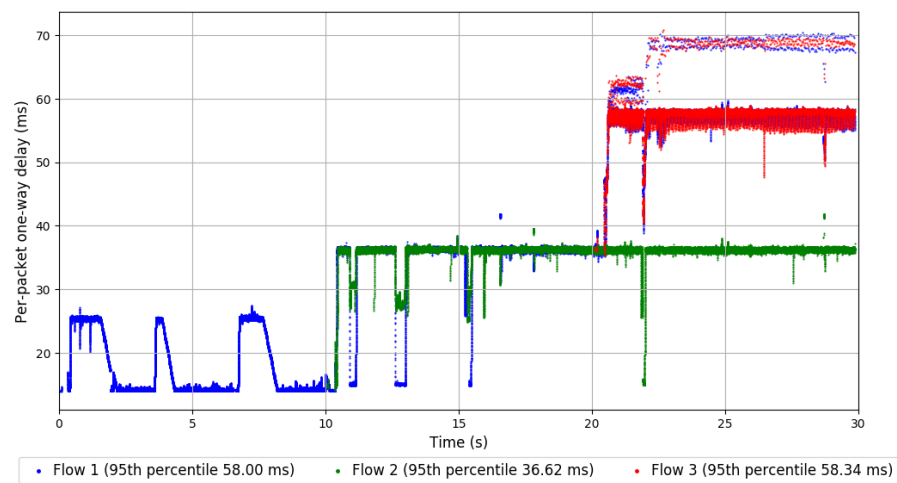
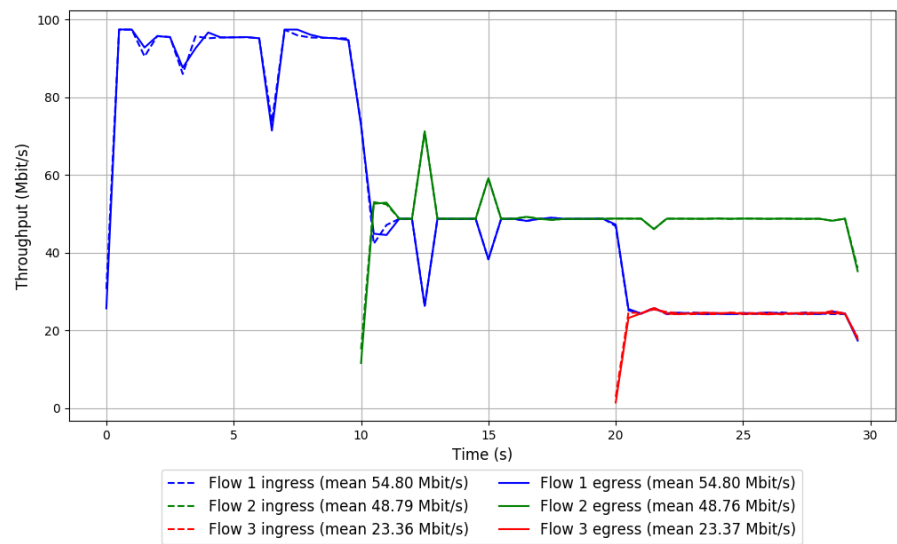


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 14:31:58
End at: 2018-03-13 14:32:28
Local clock offset: 5.763 ms
Remote clock offset: -4.501 ms

Below is generated by plot.py at 2018-03-13 21:19:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 58.032 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 57.997 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 36.625 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 58.342 ms
Loss rate: 0.72%

Run 2: Report of QUIC Cubic — Data Link

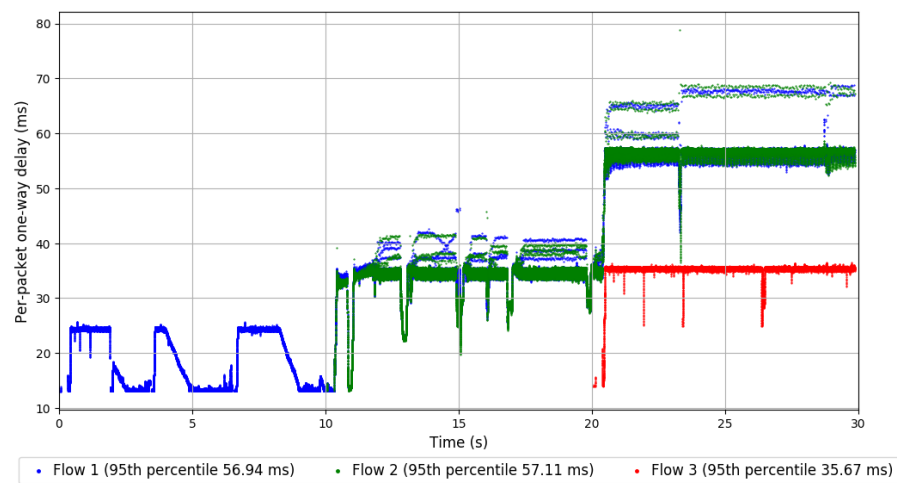
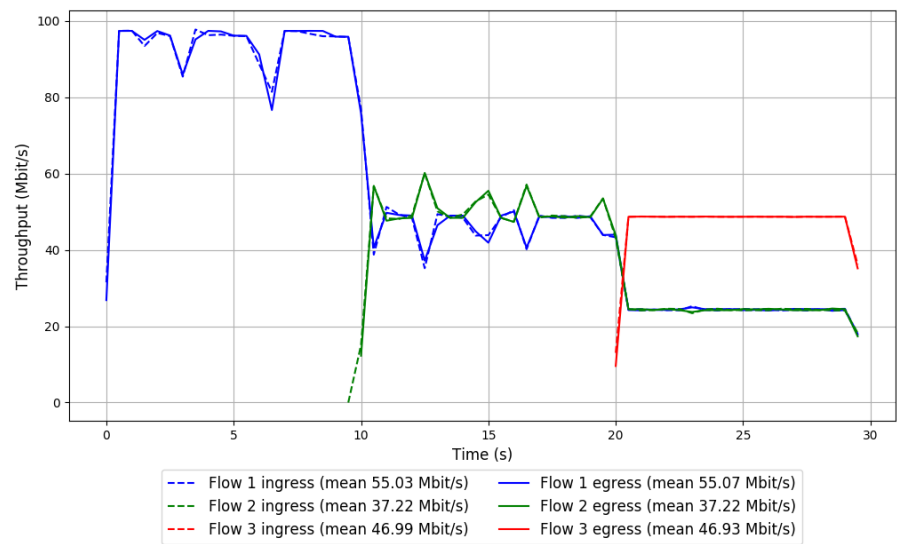


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 14:53:21
End at: 2018-03-13 14:53:51
Local clock offset: 3.156 ms
Remote clock offset: -5.831 ms

Below is generated by plot.py at 2018-03-13 21:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 56.976 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 56.937 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 57.114 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 35.674 ms
Loss rate: 0.48%

Run 3: Report of QUIC Cubic — Data Link

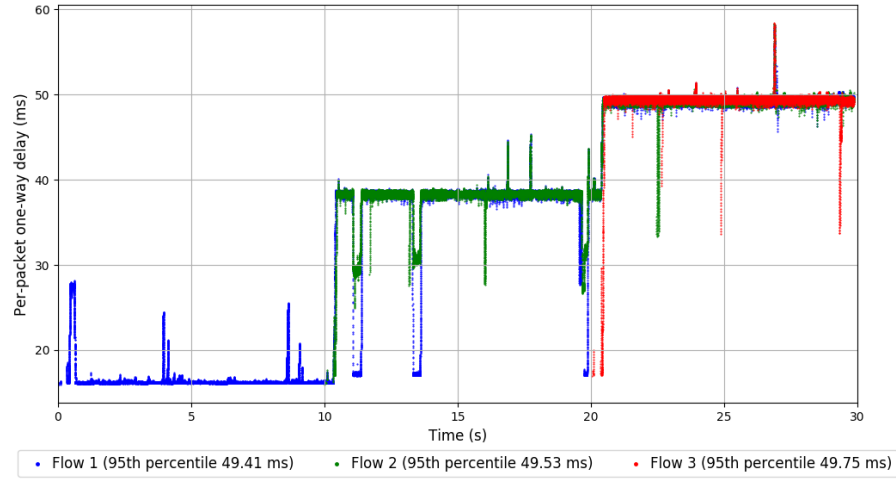
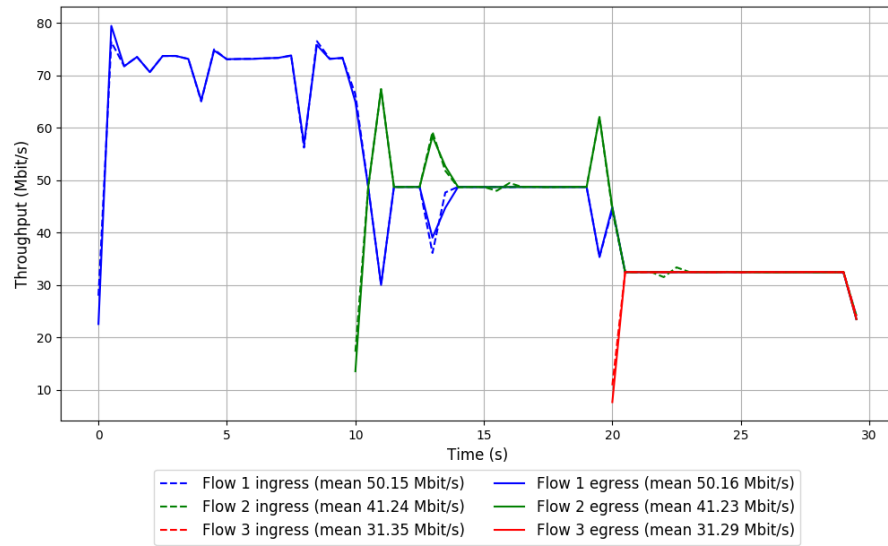


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 15:14:27
End at: 2018-03-13 15:14:57
Local clock offset: 2.865 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-03-13 21:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 49.590 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 49.414 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 49.528 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 49.749 ms
Loss rate: 0.61%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 15:35:52

End at: 2018-03-13 15:36:22

Local clock offset: 2.616 ms

Remote clock offset: 1.301 ms

Below is generated by plot.py at 2018-03-13 21:20:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 47.364 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 47.313 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 47.396 ms

Loss rate: 0.23%

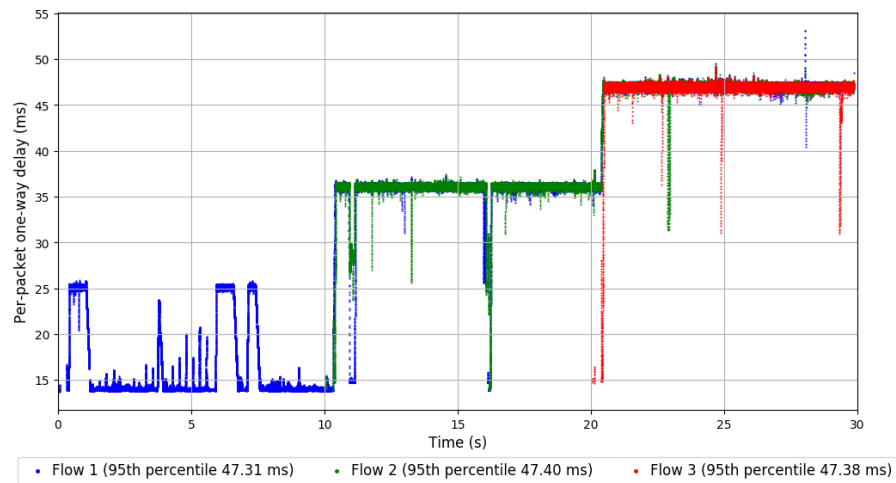
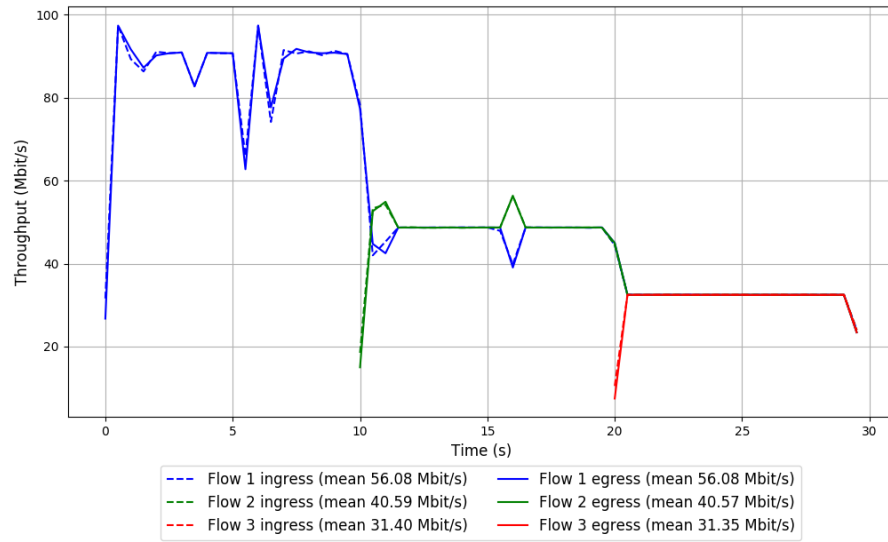
-- Flow 3:

Average throughput: 31.35 Mbit/s

95th percentile per-packet one-way delay: 47.380 ms

Loss rate: 0.58%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 15:57:03

End at: 2018-03-13 15:57:33

Local clock offset: 3.399 ms

Remote clock offset: 1.972 ms

Below is generated by plot.py at 2018-03-13 21:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.30 Mbit/s

95th percentile per-packet one-way delay: 46.419 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 46.230 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 46.502 ms

Loss rate: 0.23%

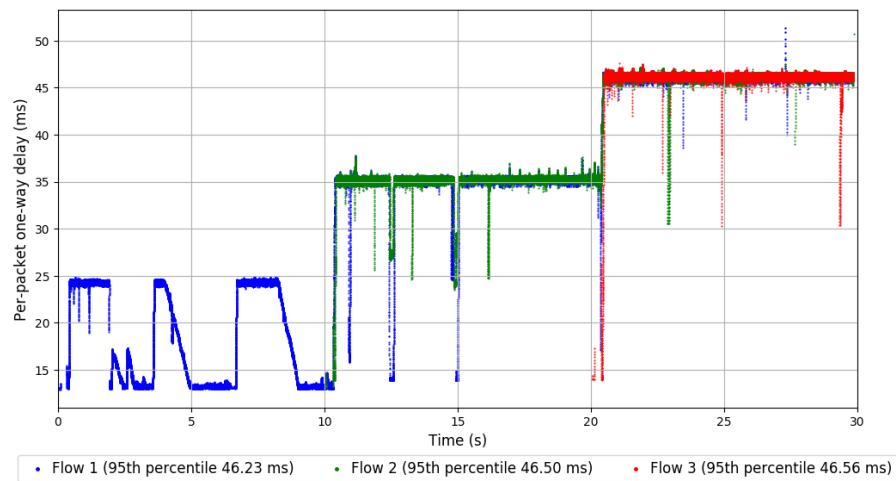
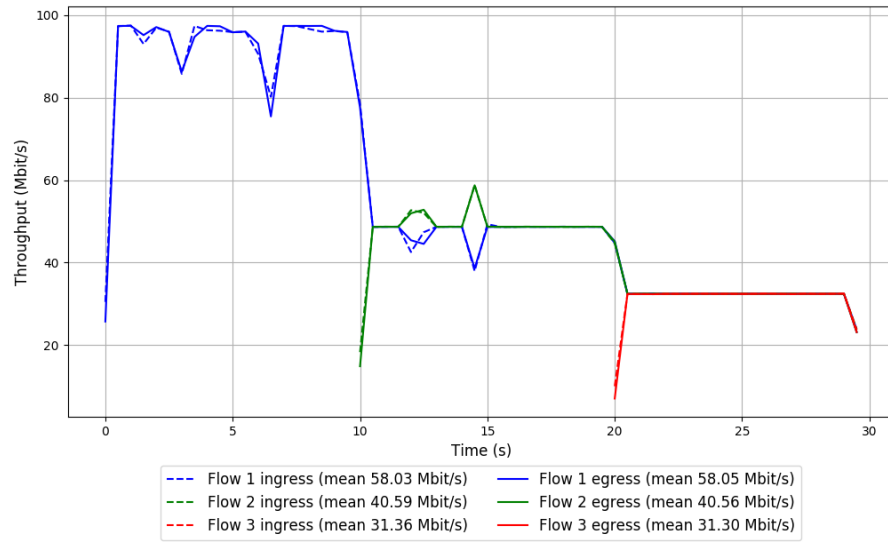
-- Flow 3:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 46.560 ms

Loss rate: 0.58%

Run 6: Report of QUIC Cubic — Data Link

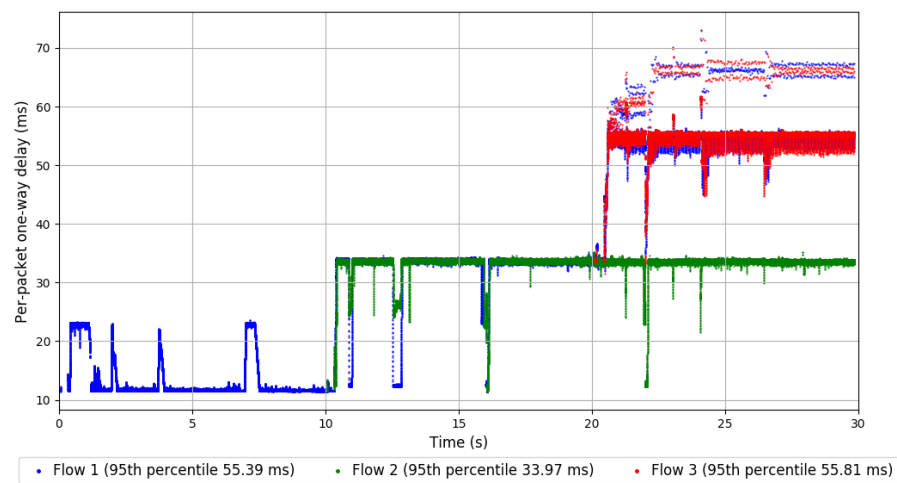
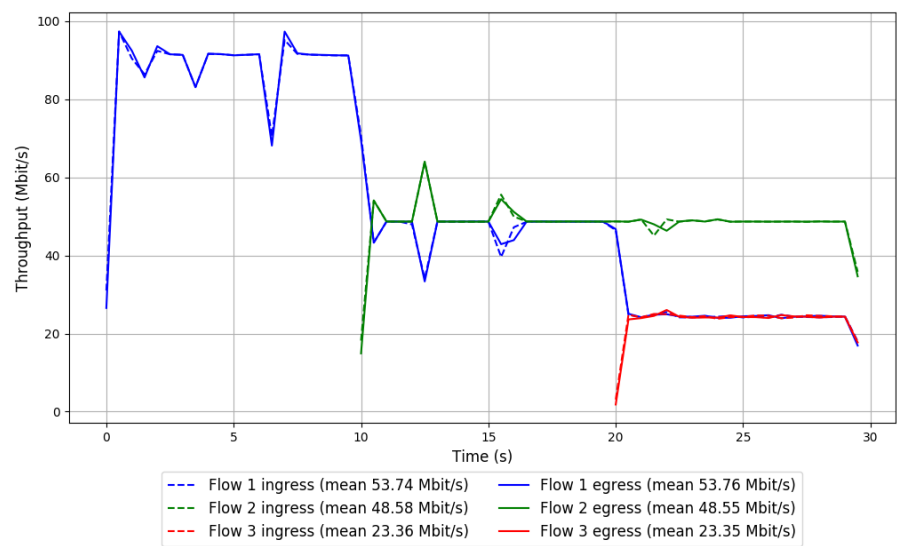


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 16:18:12
End at: 2018-03-13 16:18:42
Local clock offset: 3.726 ms
Remote clock offset: -3.674 ms

Below is generated by plot.py at 2018-03-13 21:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 55.426 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 55.392 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 33.965 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 55.813 ms
Loss rate: 0.67%

Run 7: Report of QUIC Cubic — Data Link

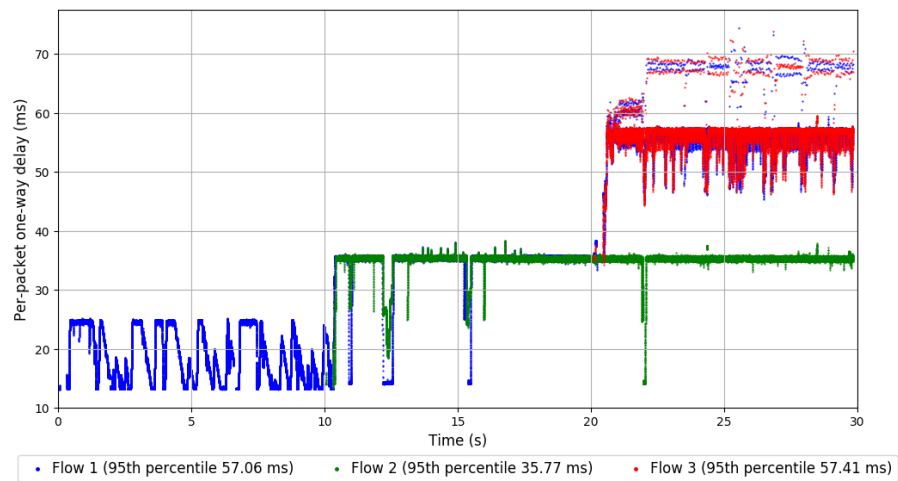
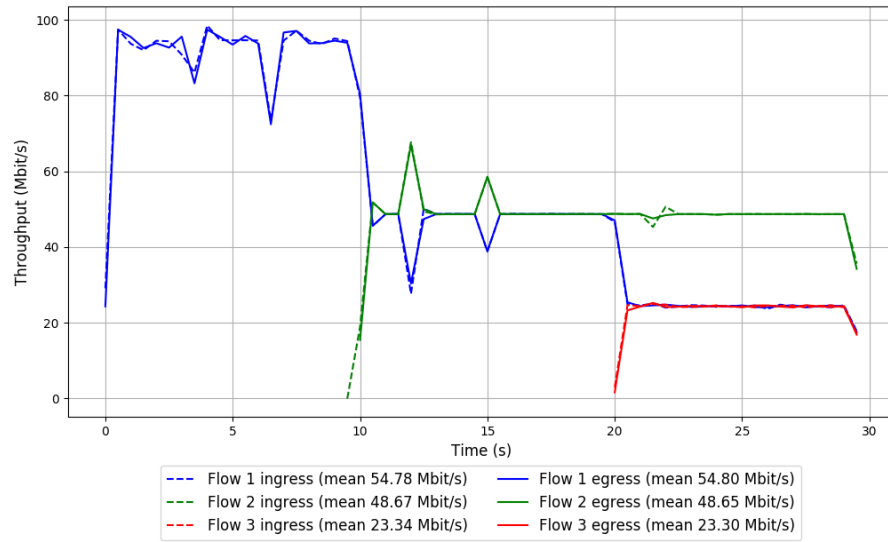


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 16:39:26
End at: 2018-03-13 16:39:56
Local clock offset: 3.853 ms
Remote clock offset: -7.551 ms

Below is generated by plot.py at 2018-03-13 21:21:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 57.112 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 57.064 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.65 Mbit/s
95th percentile per-packet one-way delay: 35.765 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 57.410 ms
Loss rate: 0.68%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 17:00:27

End at: 2018-03-13 17:00:57

Local clock offset: 2.813 ms

Remote clock offset: 1.957 ms

Below is generated by plot.py at 2018-03-13 21:21:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 45.700 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 45.700 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 45.687 ms

Loss rate: 0.22%

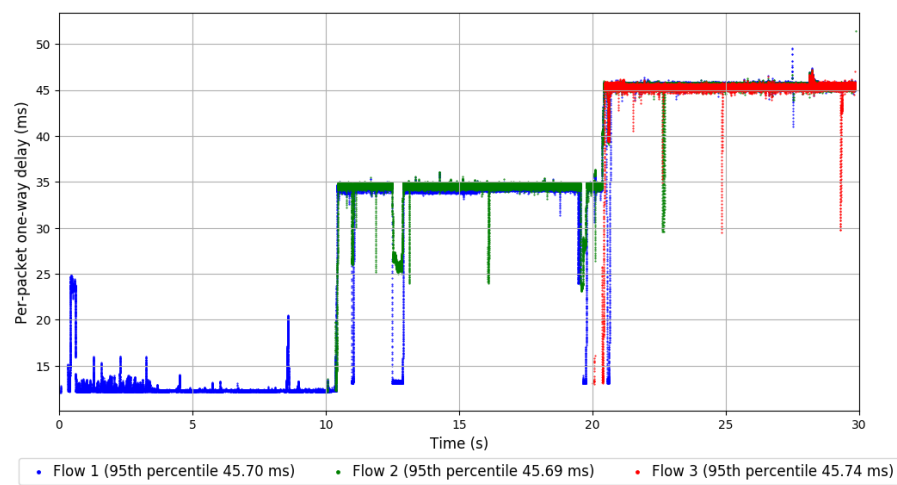
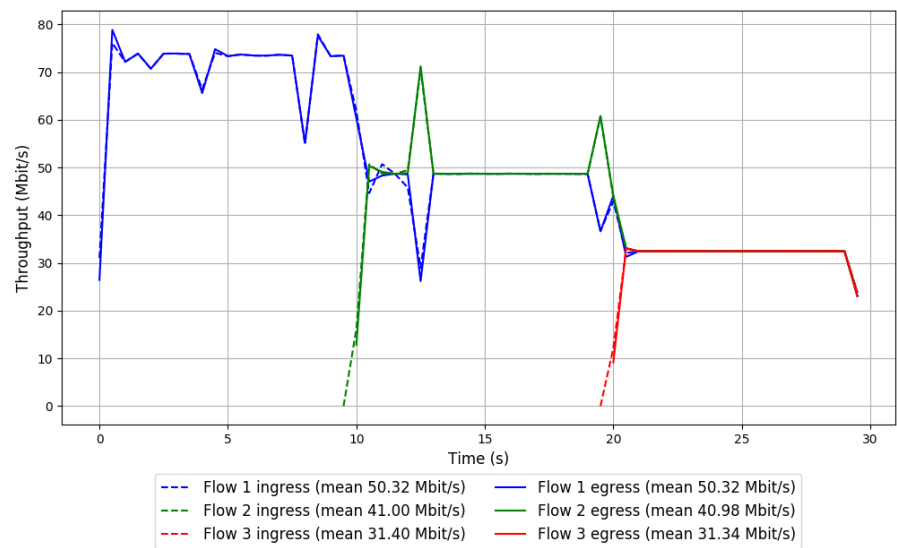
-- Flow 3:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 45.737 ms

Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 17:21:31

End at: 2018-03-13 17:22:01

Local clock offset: 6.115 ms

Remote clock offset: 1.591 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 47.411 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 47.377 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 47.284 ms

Loss rate: 0.22%

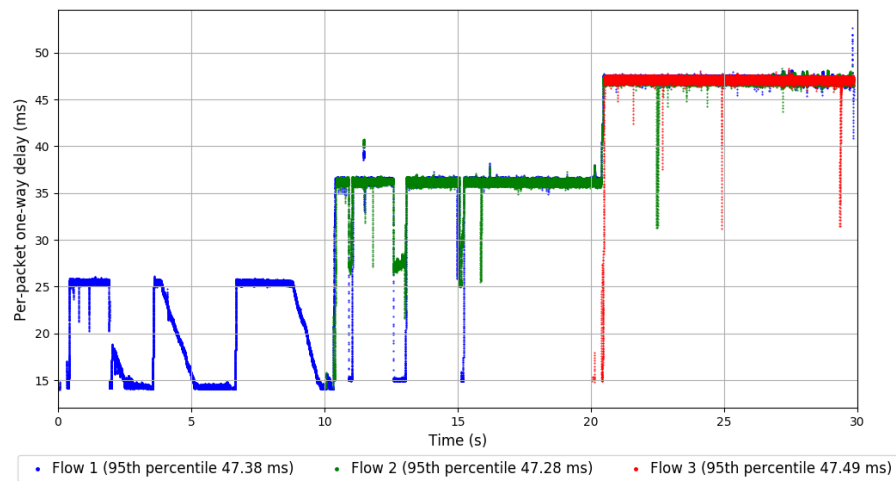
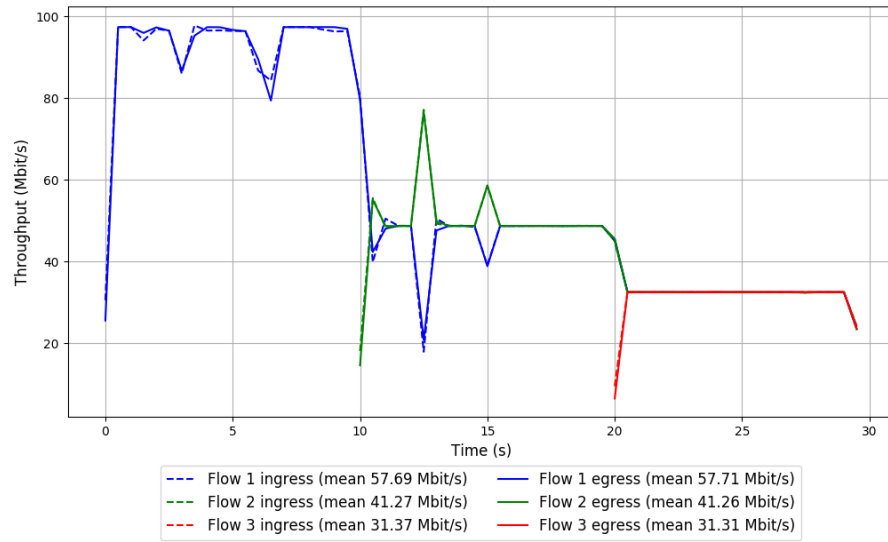
-- Flow 3:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 47.491 ms

Loss rate: 0.60%

Run 10: Report of QUIC Cubic — Data Link

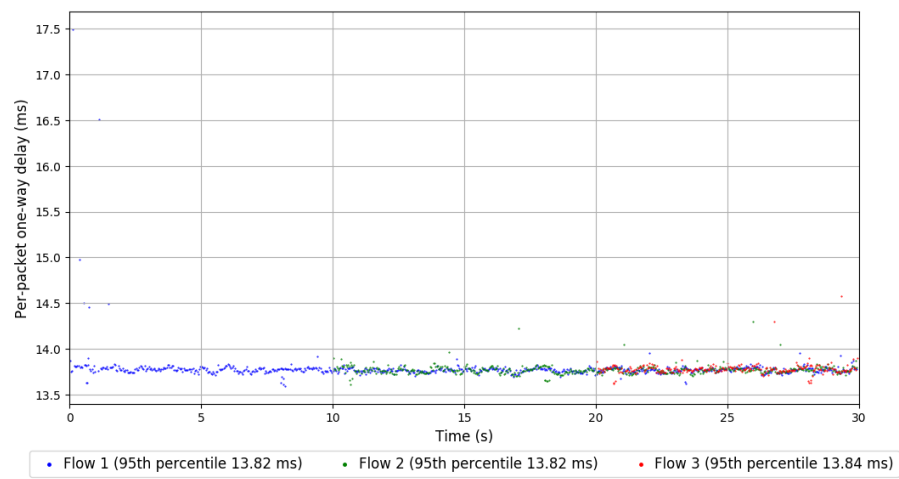
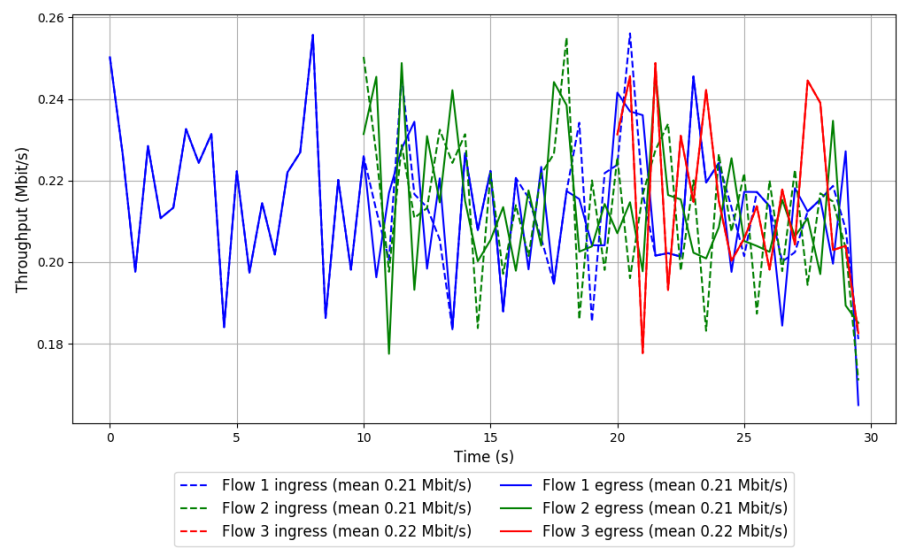


```
Run 1: Statistics of SCReAM

Start at: 2018-03-13 14:11:38
End at: 2018-03-13 14:12:08
Local clock offset: 4.392 ms
Remote clock offset: -5.396 ms

# Below is generated by plot.py at 2018-03-13 21:21:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.823 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.818 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.838 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

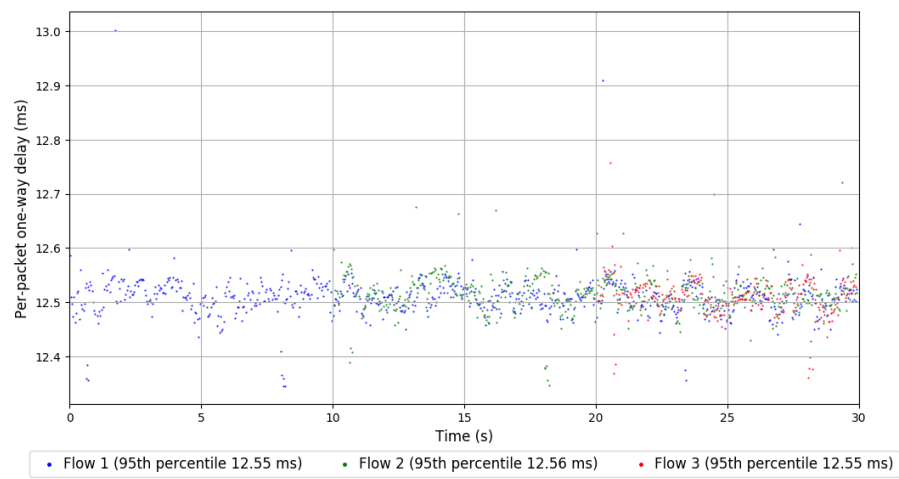
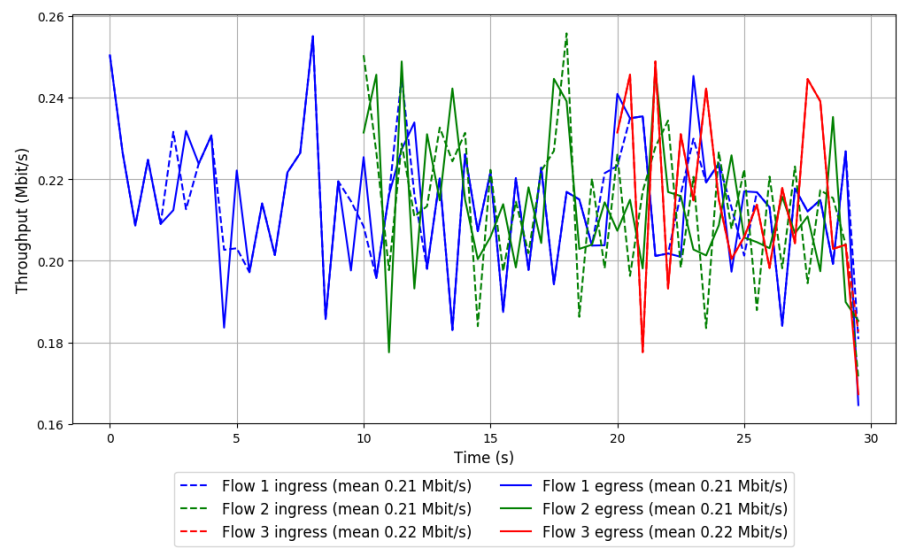


Run 2: Statistics of SReAM

Start at: 2018-03-13 14:33:09
End at: 2018-03-13 14:33:39
Local clock offset: 4.619 ms
Remote clock offset: -3.996 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.554 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.547 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.554 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-03-13 14:54:33

End at: 2018-03-13 14:55:03

Local clock offset: 2.939 ms

Remote clock offset: -5.5 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.603 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.603 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.601 ms

Loss rate: 0.00%

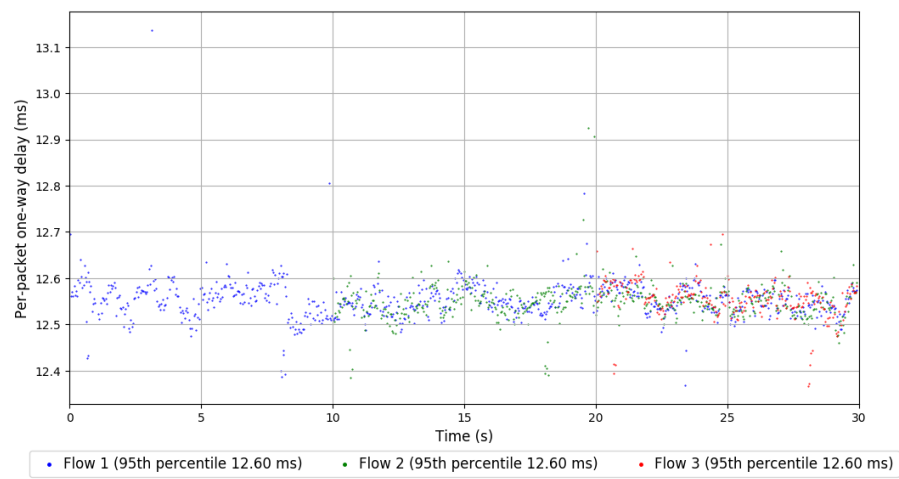
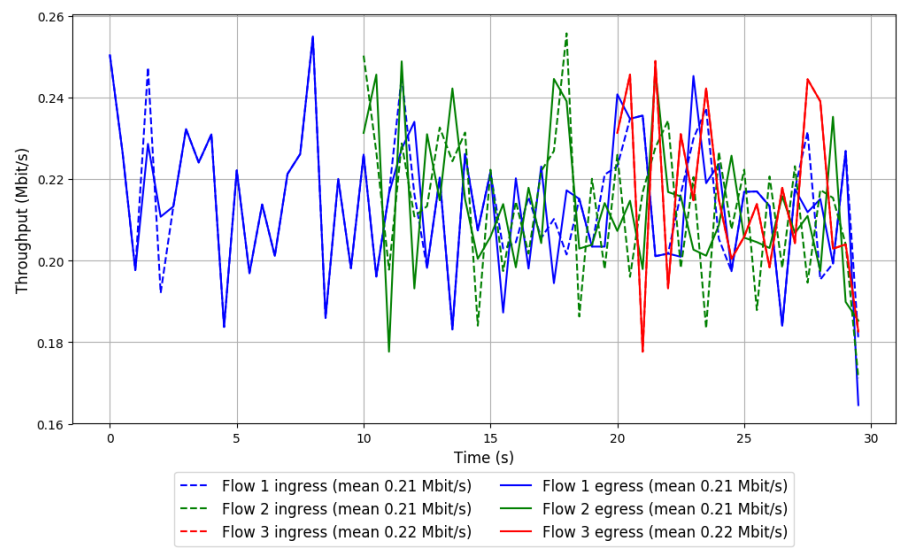
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.604 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

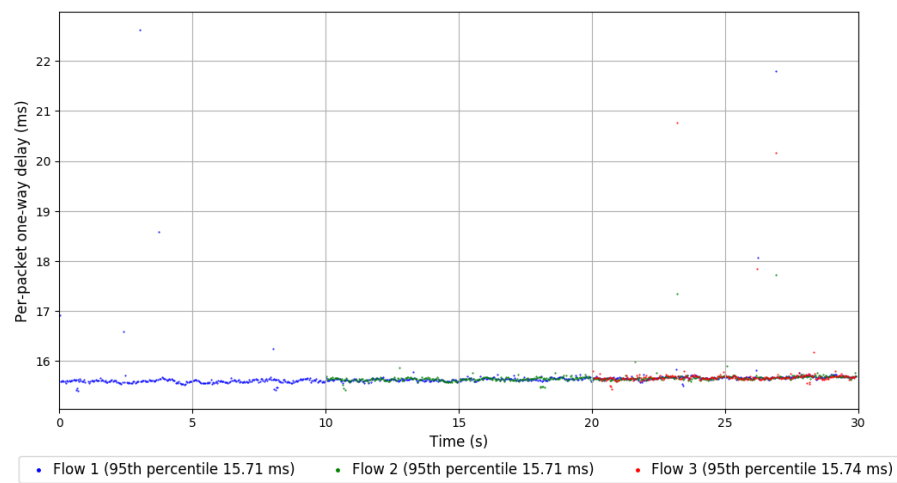
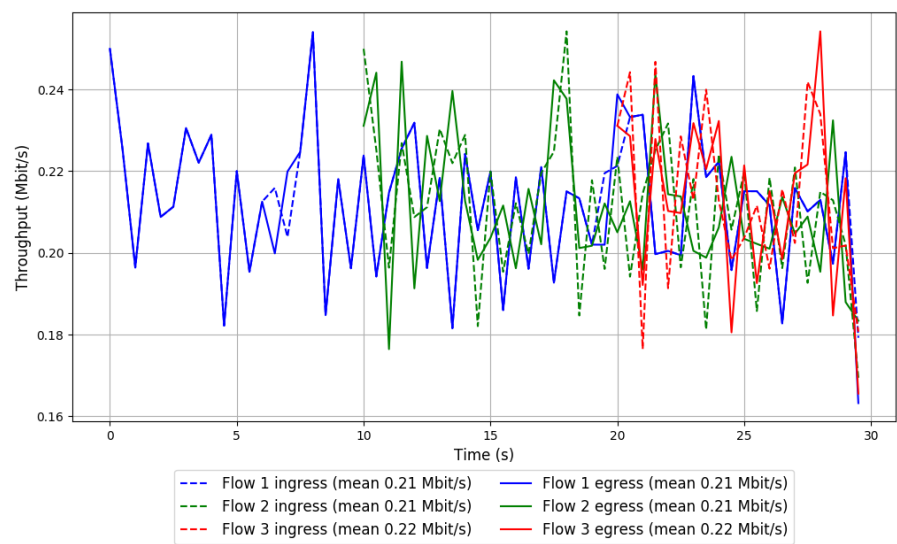


Run 4: Statistics of SReAM

Start at: 2018-03-13 15:15:40
End at: 2018-03-13 15:16:10
Local clock offset: 2.031 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.716 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.706 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.711 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.743 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-03-13 15:37:02

End at: 2018-03-13 15:37:32

Local clock offset: 2.673 ms

Remote clock offset: 1.802 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.550 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.550 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.550 ms

Loss rate: 0.00%

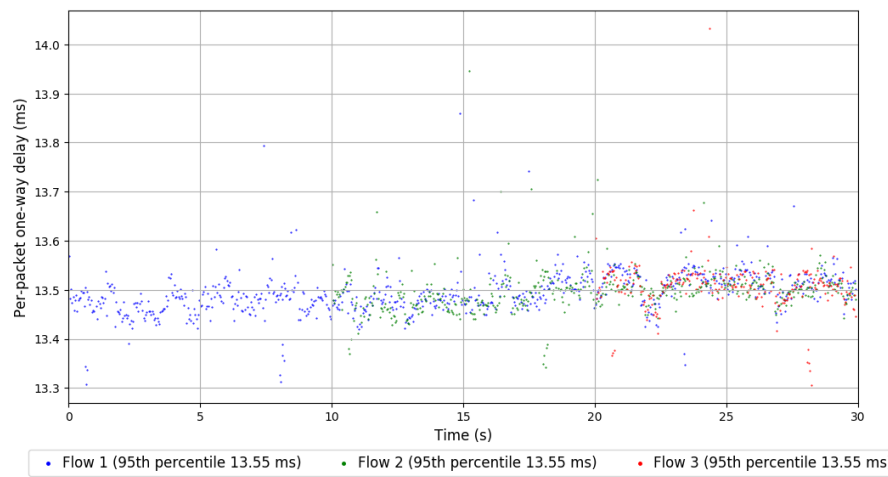
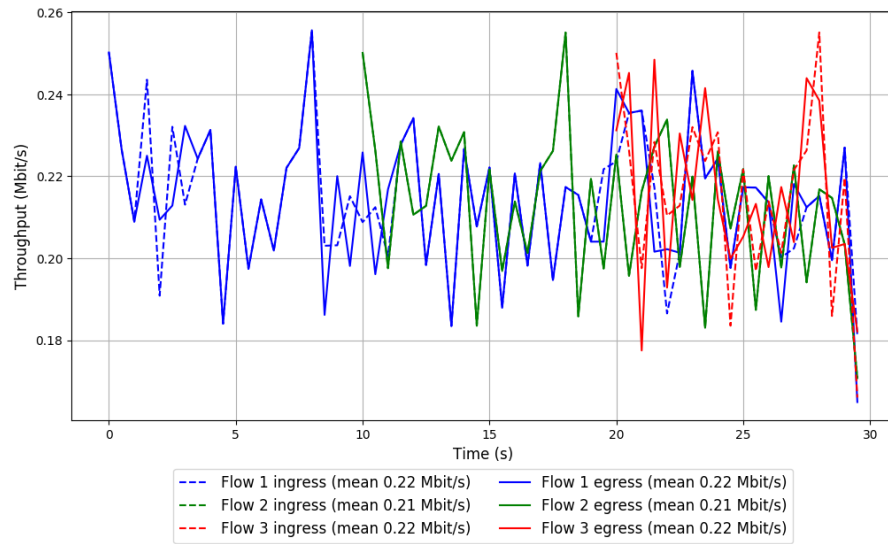
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.547 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-13 15:58:13

End at: 2018-03-13 15:58:43

Local clock offset: 3.279 ms

Remote clock offset: 2.332 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.559 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.564 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.557 ms

Loss rate: 0.19%

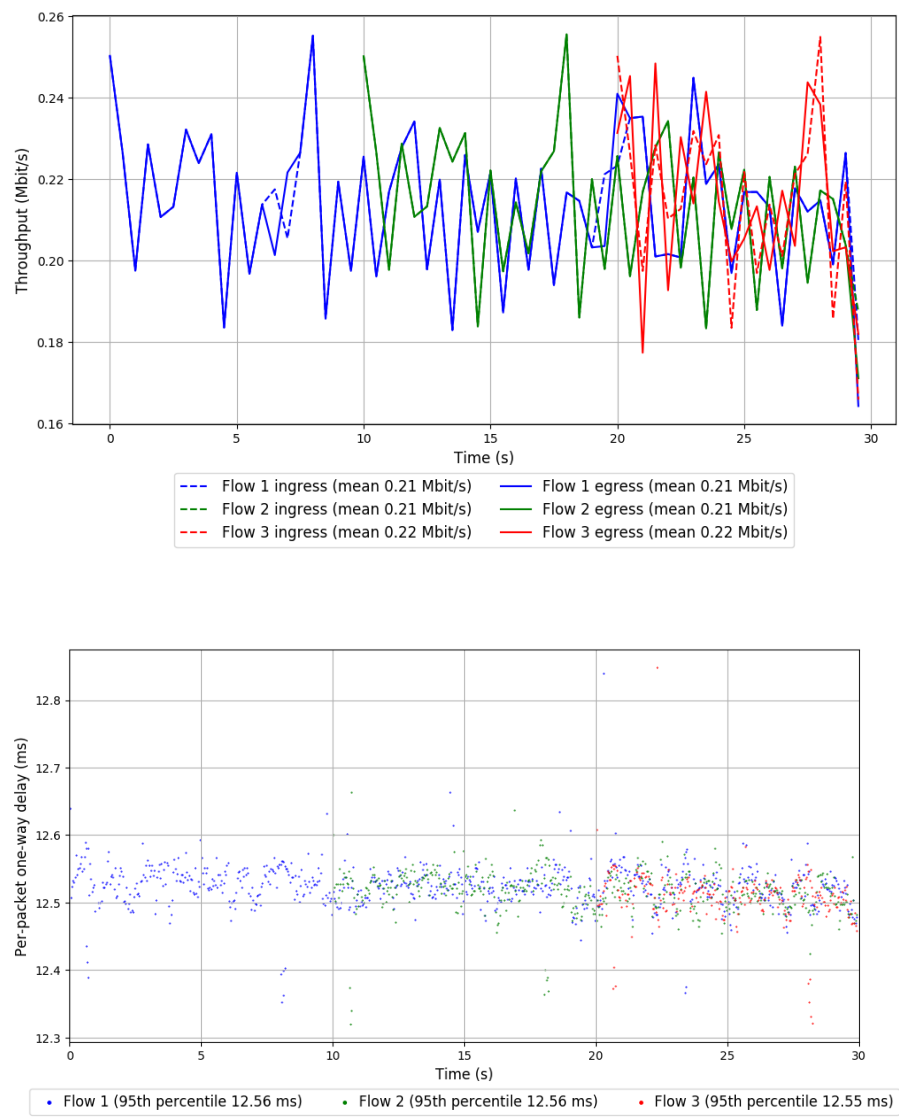
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.548 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

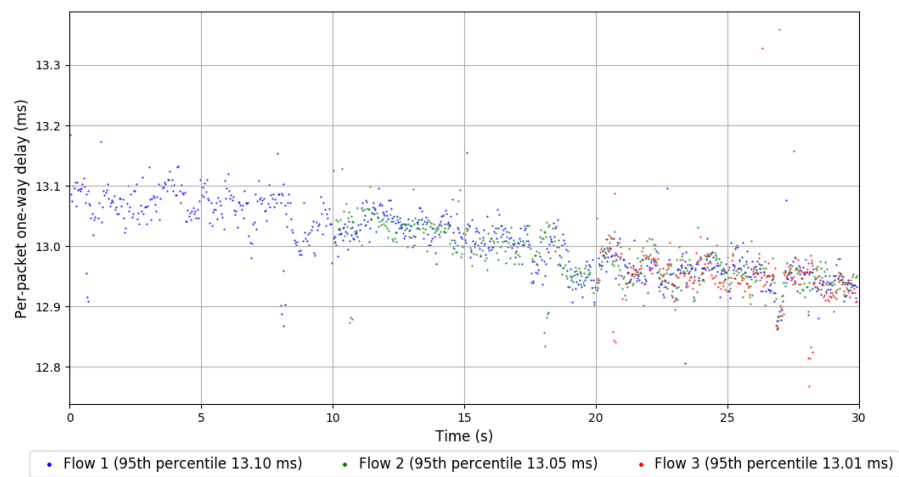
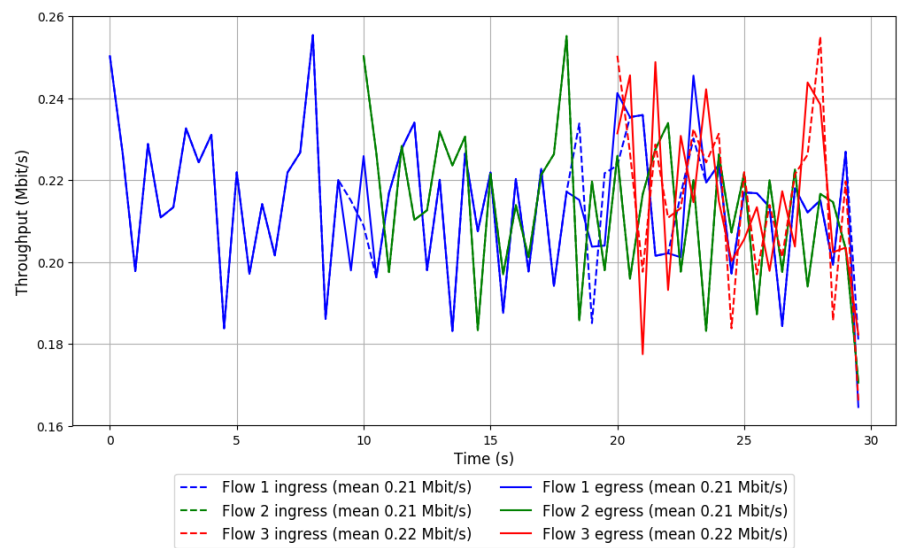


Run 7: Statistics of SReAM

Start at: 2018-03-13 16:19:22
End at: 2018-03-13 16:19:52
Local clock offset: 4.799 ms
Remote clock offset: -4.502 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.085 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.096 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.005 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

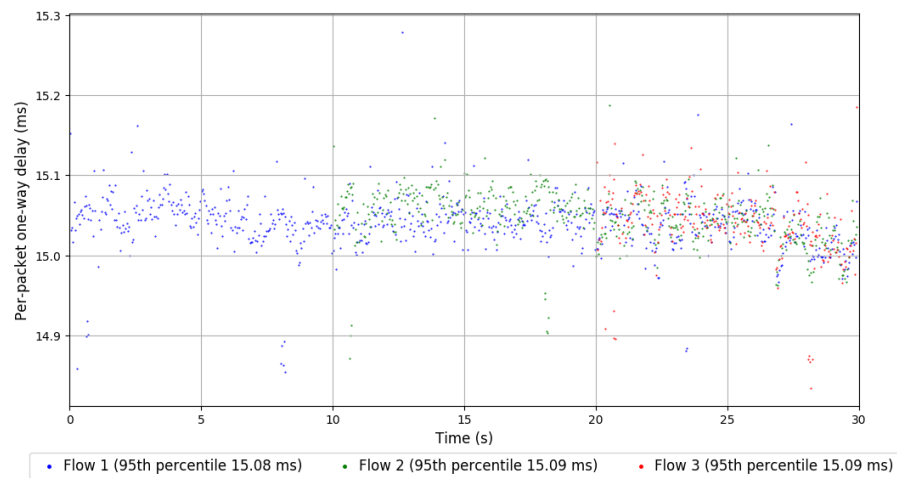
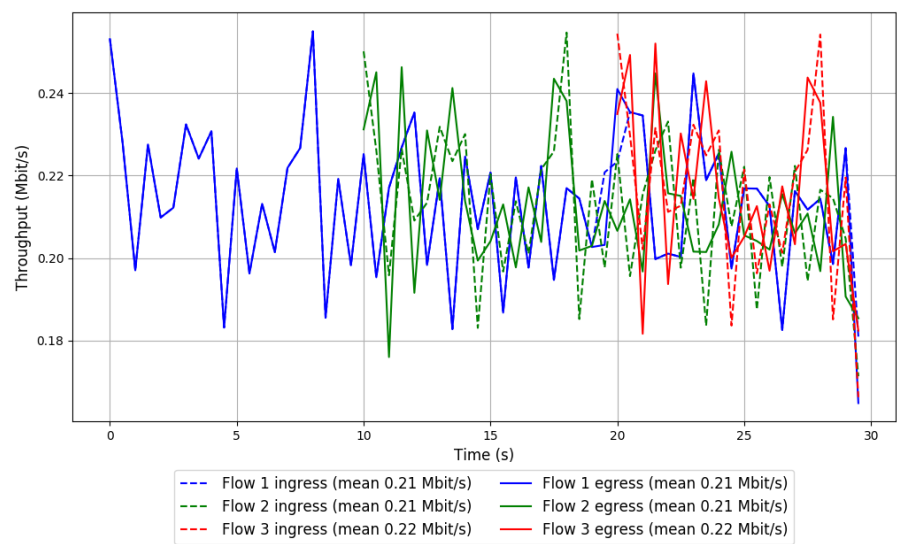


Run 8: Statistics of SReAM

Start at: 2018-03-13 16:40:37
End at: 2018-03-13 16:41:07
Local clock offset: 5.032 ms
Remote clock offset: -8.208 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.088 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.084 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.089 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-03-13 17:01:37

End at: 2018-03-13 17:02:07

Local clock offset: 3.402 ms

Remote clock offset: 1.573 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 13.364 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.363 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.356 ms

Loss rate: 0.00%

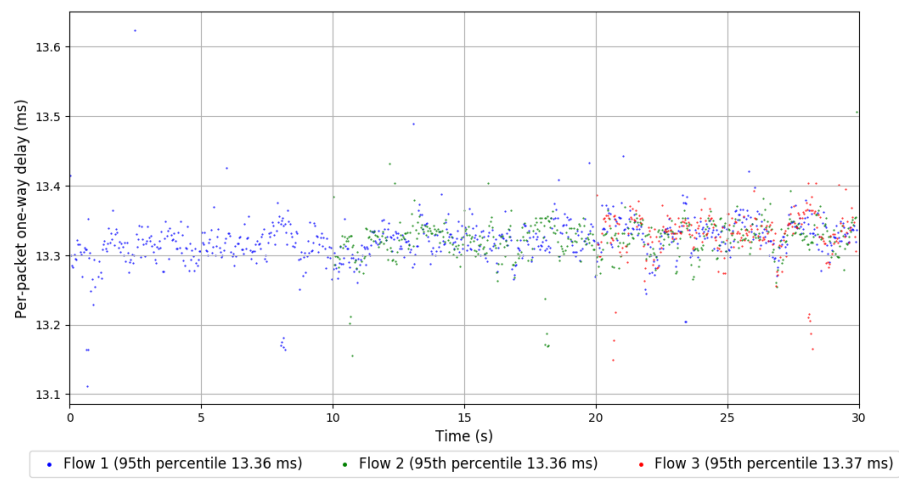
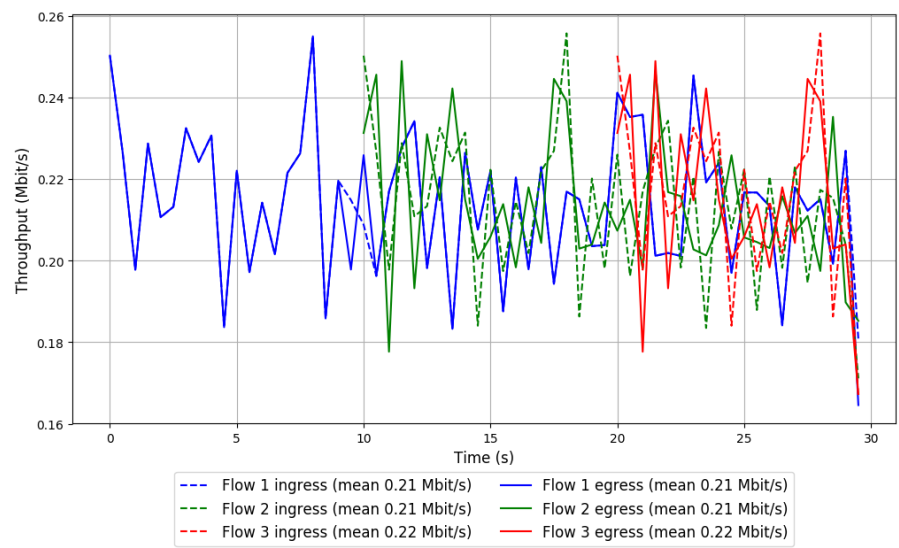
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.370 ms

Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

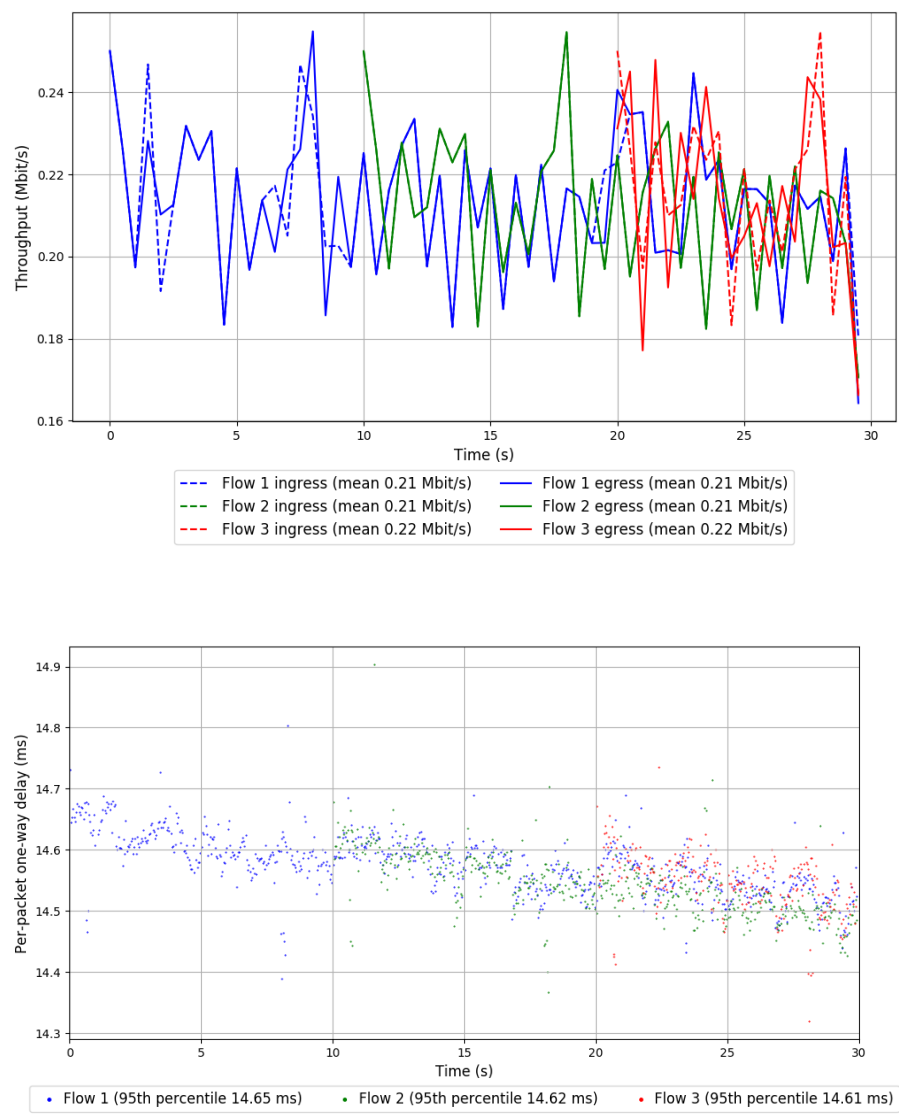


Run 10: Statistics of SCReAM

Start at: 2018-03-13 17:22:42
End at: 2018-03-13 17:23:12
Local clock offset: 5.291 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.641 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.654 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.612 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

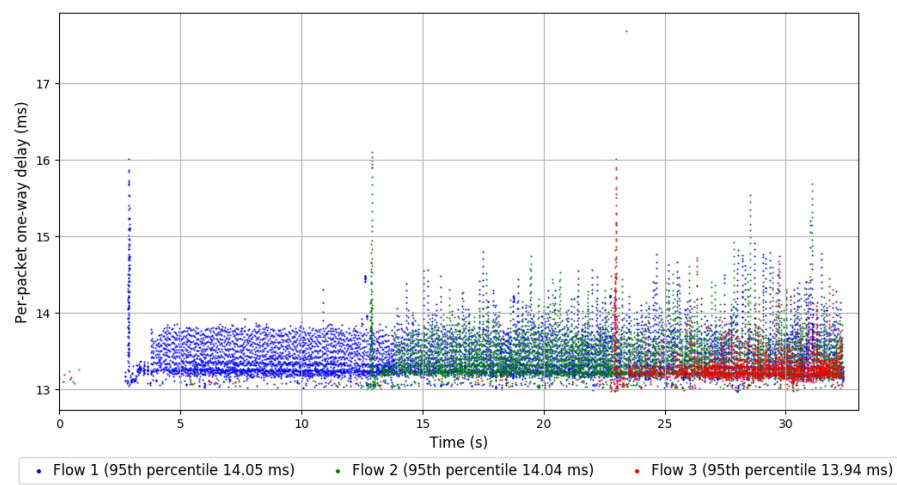
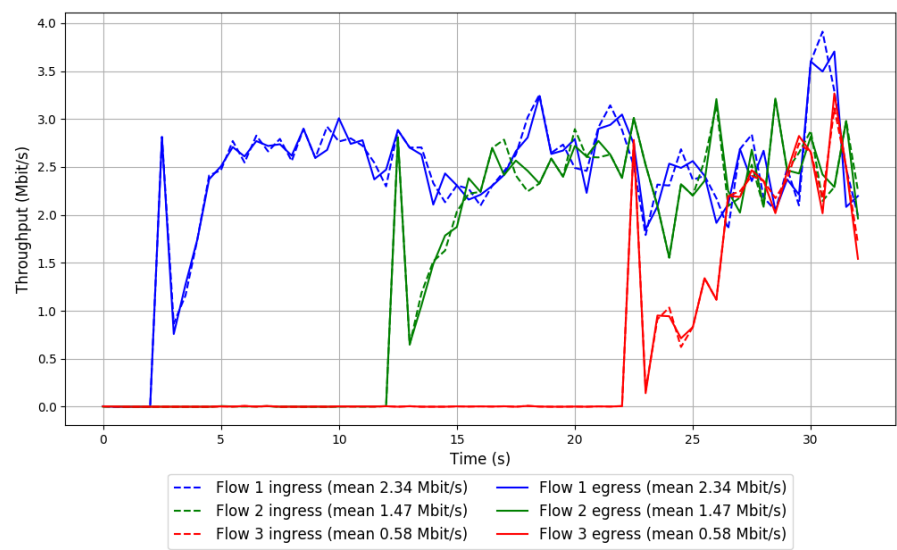


Run 1: Statistics of WebRTC media

Start at: 2018-03-13 14:22:19
End at: 2018-03-13 14:22:49
Local clock offset: 4.412 ms
Remote clock offset: -5.876 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 14.041 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 14.047 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 14.043 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 13.943 ms
Loss rate: 0.43%

Run 1: Report of WebRTC media — Data Link

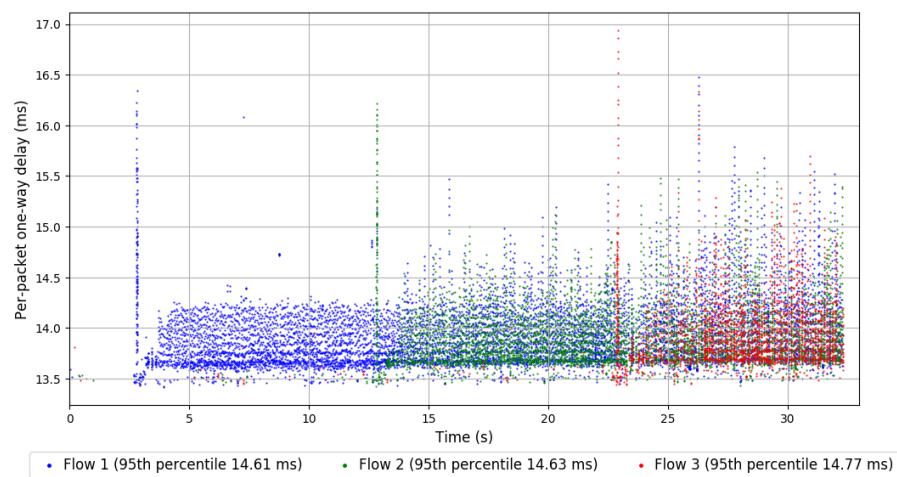
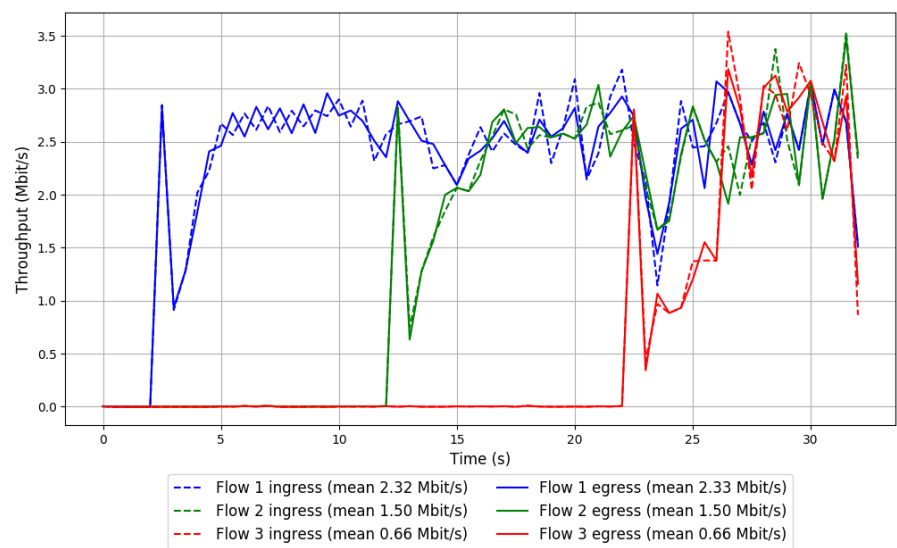


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 14:43:40
End at: 2018-03-13 14:44:10
Local clock offset: 5.348 ms
Remote clock offset: -3.928 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 14.644 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 14.605 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 14.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 14.765 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

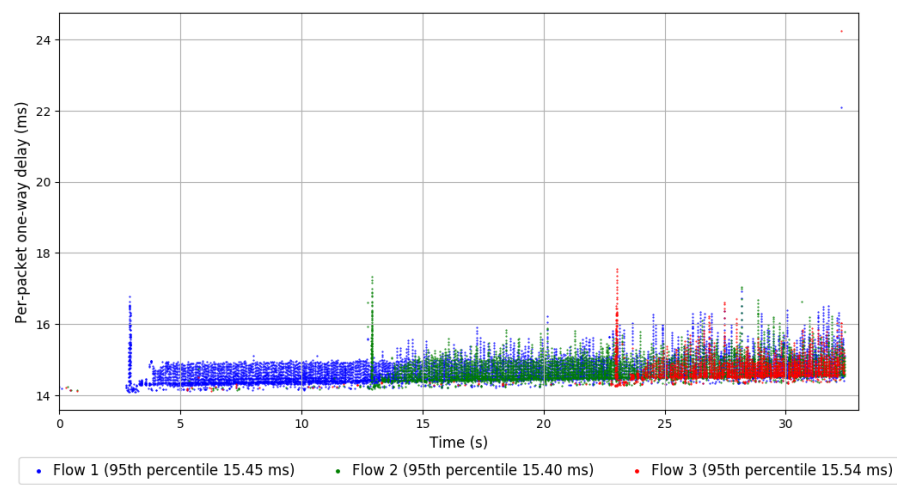
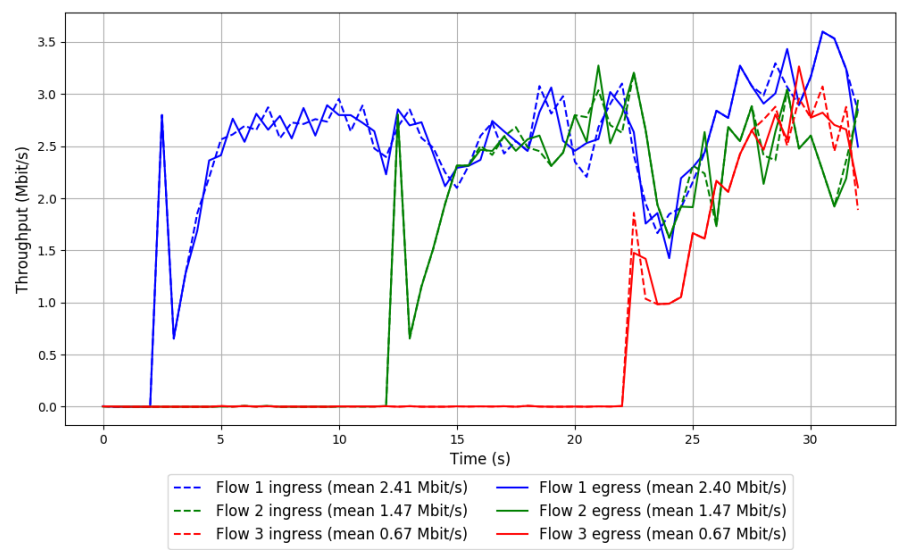


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 15:05:01
End at: 2018-03-13 15:05:31
Local clock offset: 3.486 ms
Remote clock offset: -3.501 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 15.441 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 15.445 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 15.399 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 15.543 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 15:26:16

End at: 2018-03-13 15:26:46

Local clock offset: 5.6 ms

Remote clock offset: 1.375 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 20.395 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 20.315 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 20.392 ms

Loss rate: 0.52%

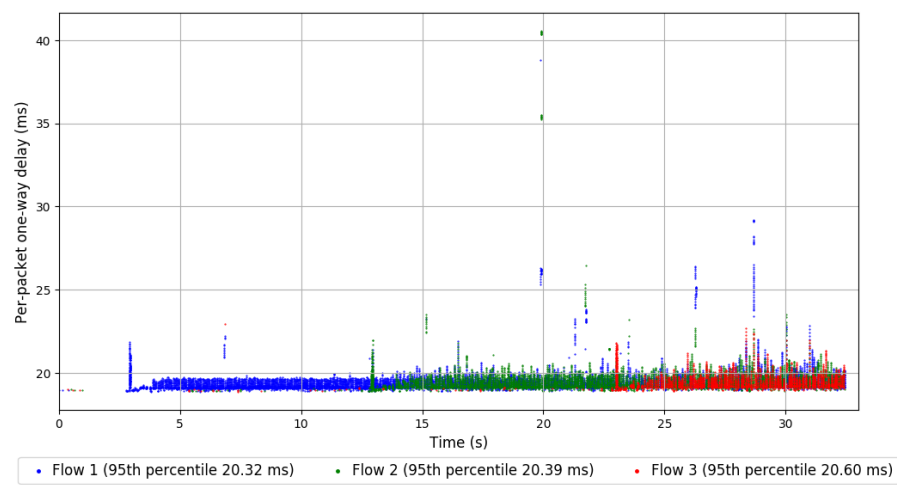
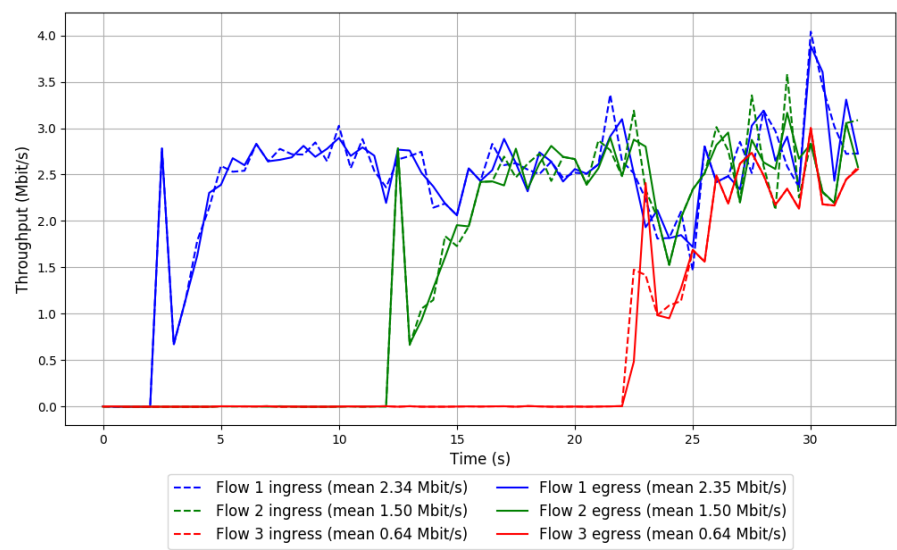
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 20.601 ms

Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-03-13 15:47:36

End at: 2018-03-13 15:48:06

Local clock offset: 3.288 ms

Remote clock offset: 1.823 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 15.153 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 15.152 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 15.004 ms

Loss rate: 0.64%

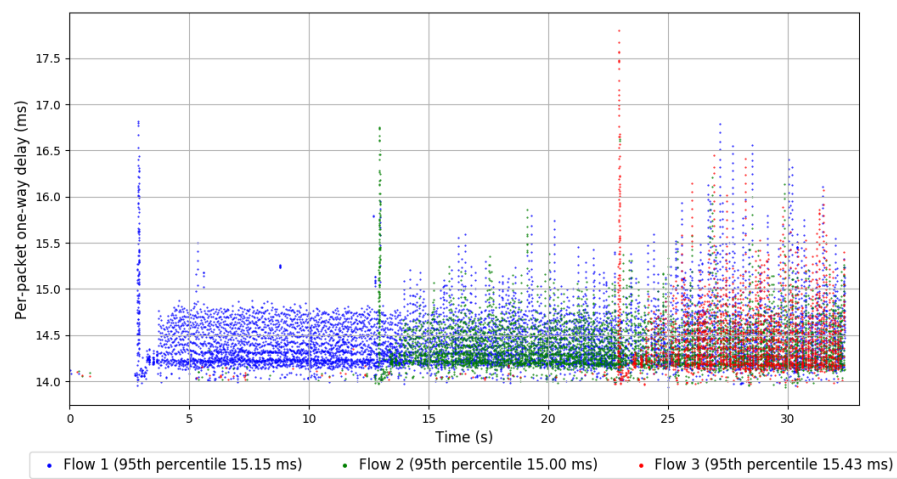
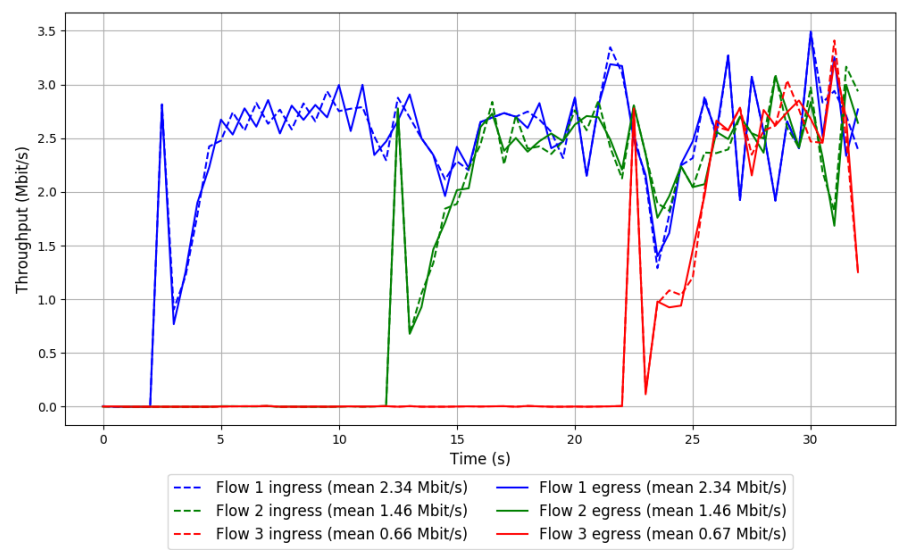
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 15.433 ms

Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-03-13 16:08:39

End at: 2018-03-13 16:09:09

Local clock offset: 6.136 ms

Remote clock offset: 1.948 ms

Below is generated by plot.py at 2018-03-13 21:21:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 15.151 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 15.133 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 15.080 ms

Loss rate: 0.51%

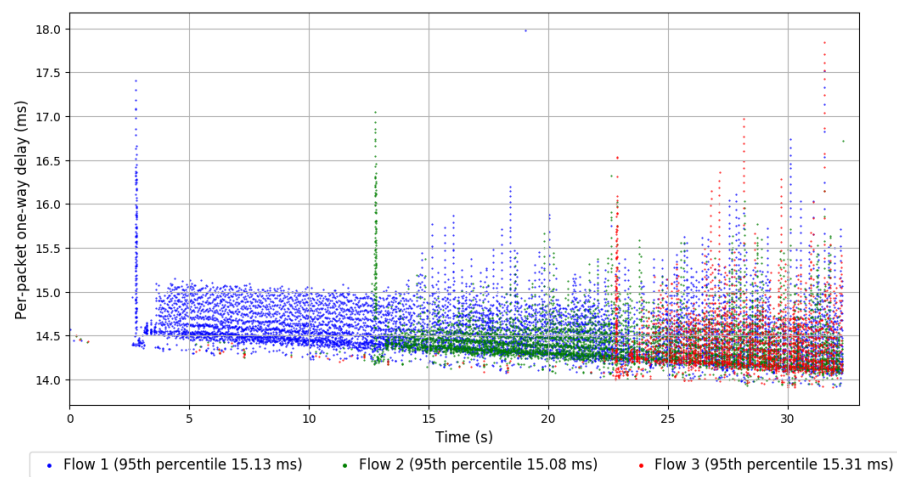
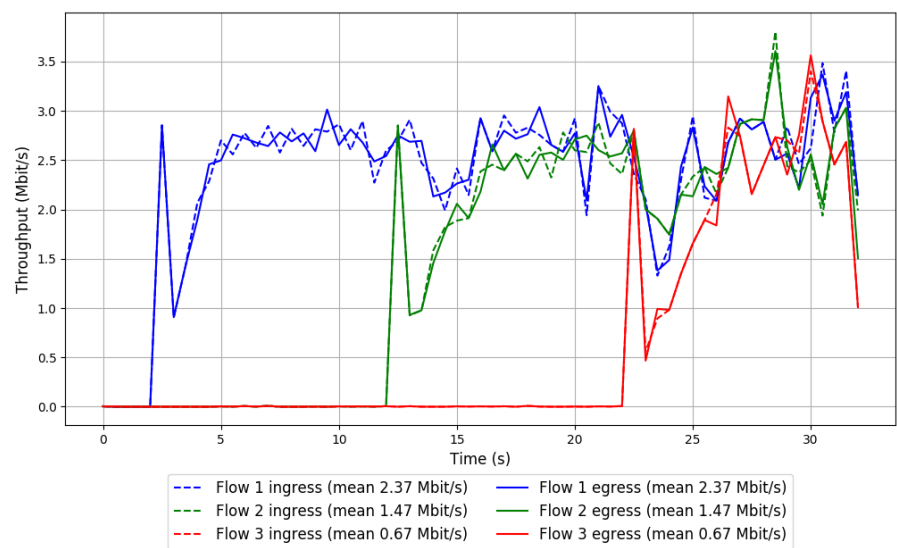
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 15.309 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

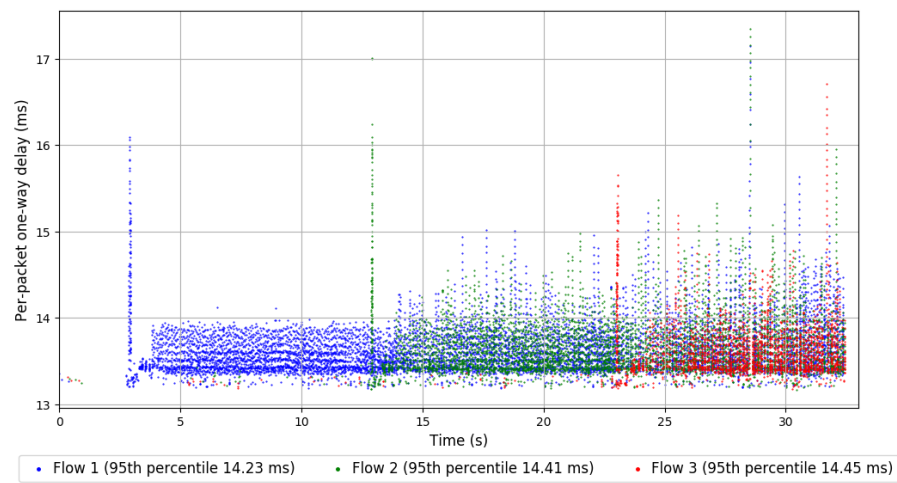
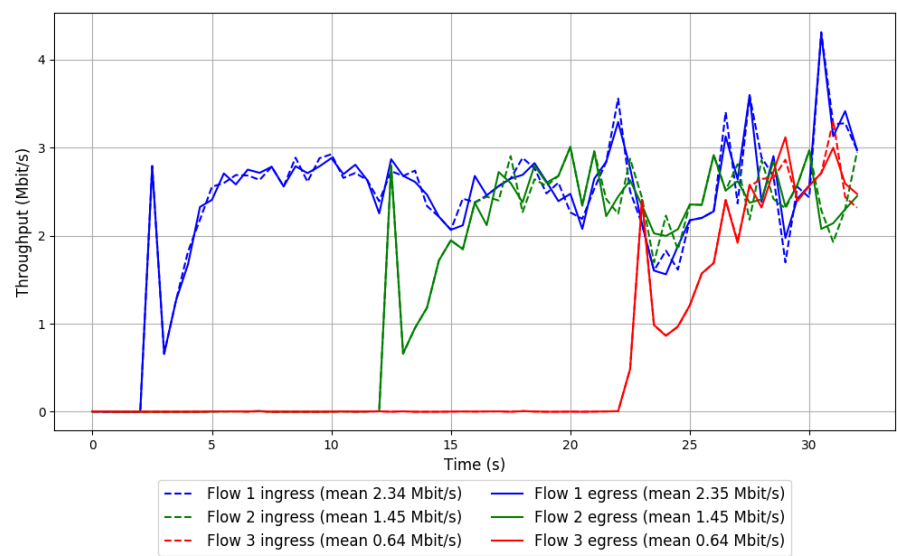


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 16:29:47
End at: 2018-03-13 16:30:17
Local clock offset: 3.426 ms
Remote clock offset: -7.487 ms

Below is generated by plot.py at 2018-03-13 21:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 14.326 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 14.234 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 14.415 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 14.447 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

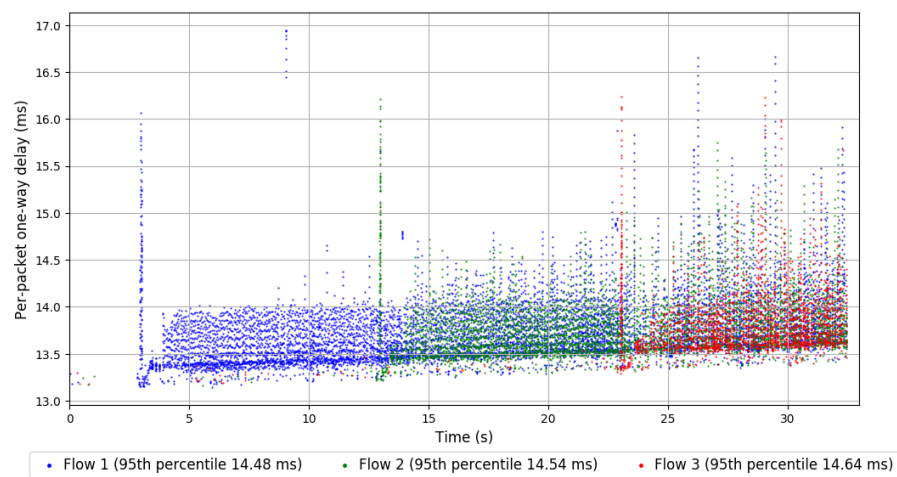
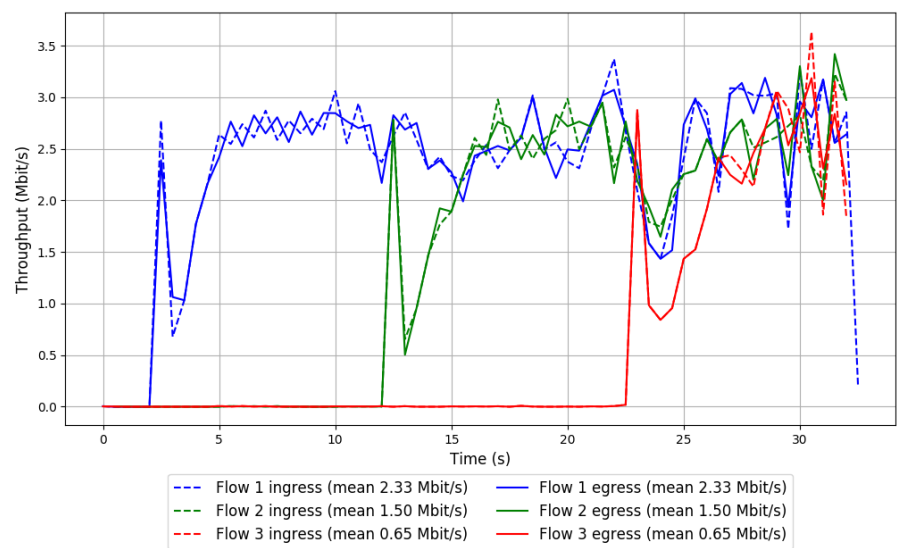


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 16:51:04
End at: 2018-03-13 16:51:34
Local clock offset: 1.785 ms
Remote clock offset: -2.182 ms

Below is generated by plot.py at 2018-03-13 21:21:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 14.534 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 14.477 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 14.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.641 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-13 17:12:05

End at: 2018-03-13 17:12:35

Local clock offset: 5.47 ms

Remote clock offset: 3.593 ms

Below is generated by plot.py at 2018-03-13 21:21:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 14.496 ms

Loss rate: 41.82%

-- Flow 1:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 14.228 ms

Loss rate: 46.02%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.613 ms

Loss rate: 82.50%

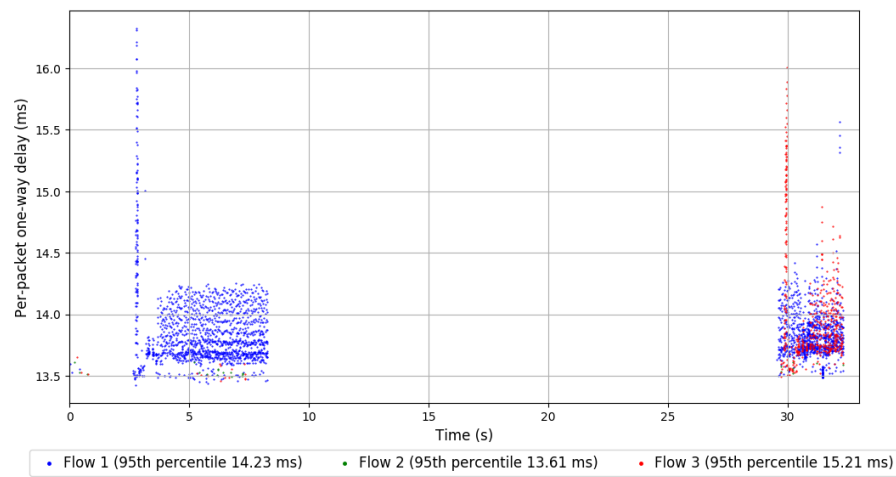
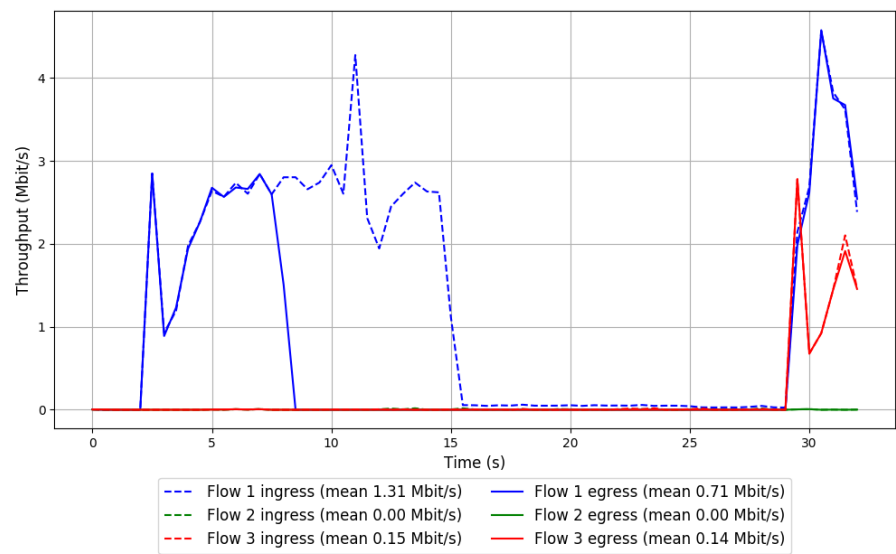
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 15.206 ms

Loss rate: 3.53%

Run 9: Report of WebRTC media — Data Link

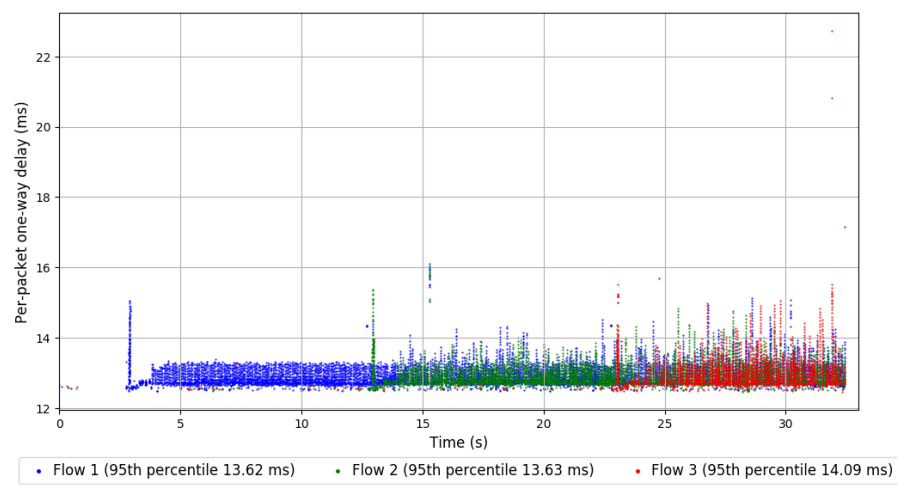
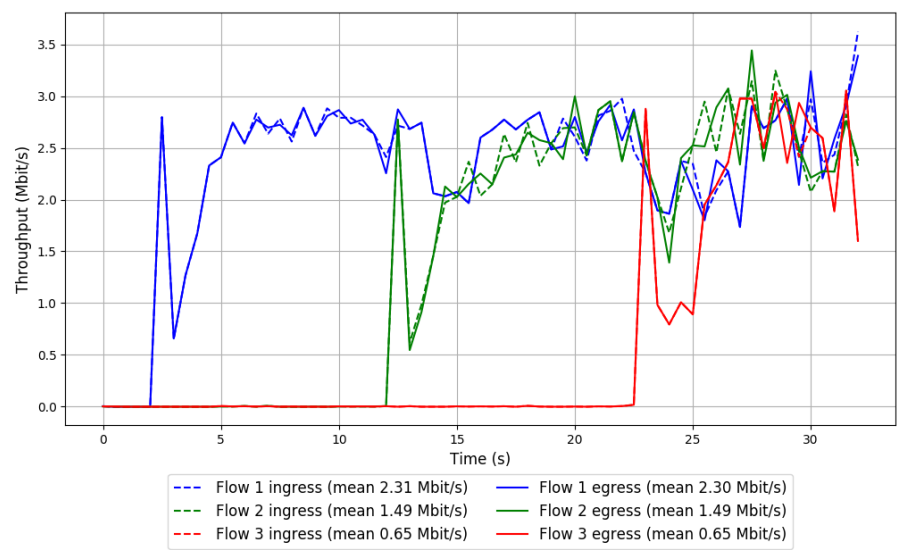


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 17:33:12
End at: 2018-03-13 17:33:42
Local clock offset: 4.035 ms
Remote clock offset: -0.729 ms

Below is generated by plot.py at 2018-03-13 21:21:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 13.699 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 13.622 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 13.627 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.087 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

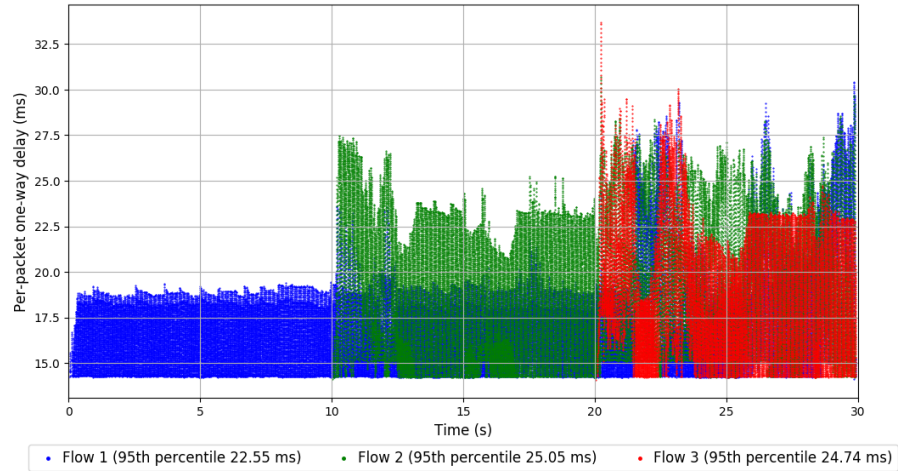
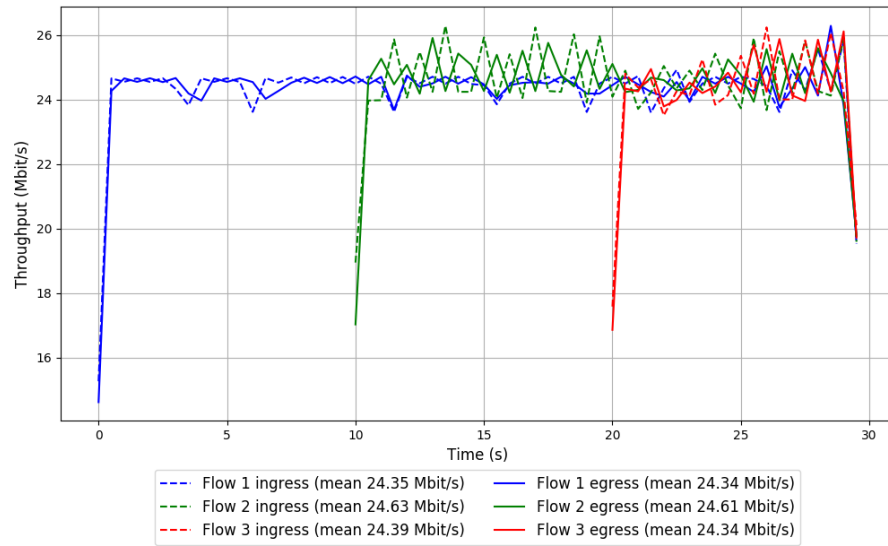


Run 1: Statistics of Sprout

Start at: 2018-03-13 14:12:44
End at: 2018-03-13 14:13:14
Local clock offset: 6.127 ms
Remote clock offset: -4.159 ms

Below is generated by plot.py at 2018-03-13 21:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 24.284 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 22.553 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 25.054 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 24.743 ms
Loss rate: 0.11%

Run 1: Report of Sprout — Data Link

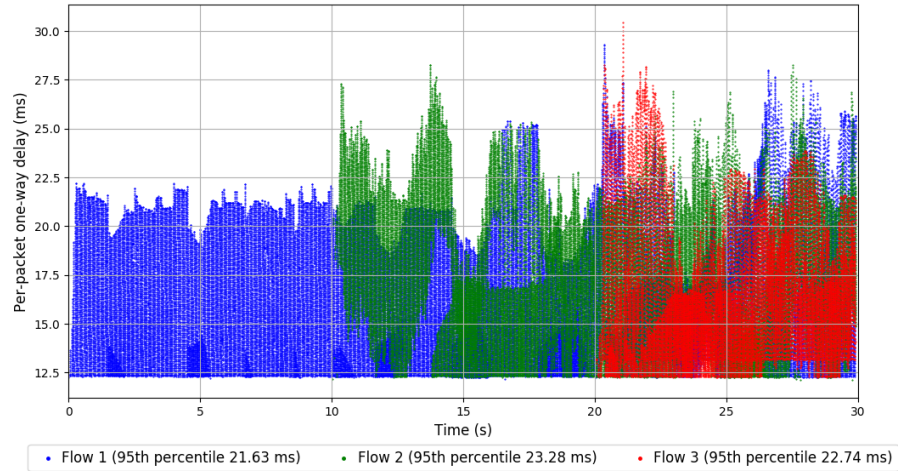
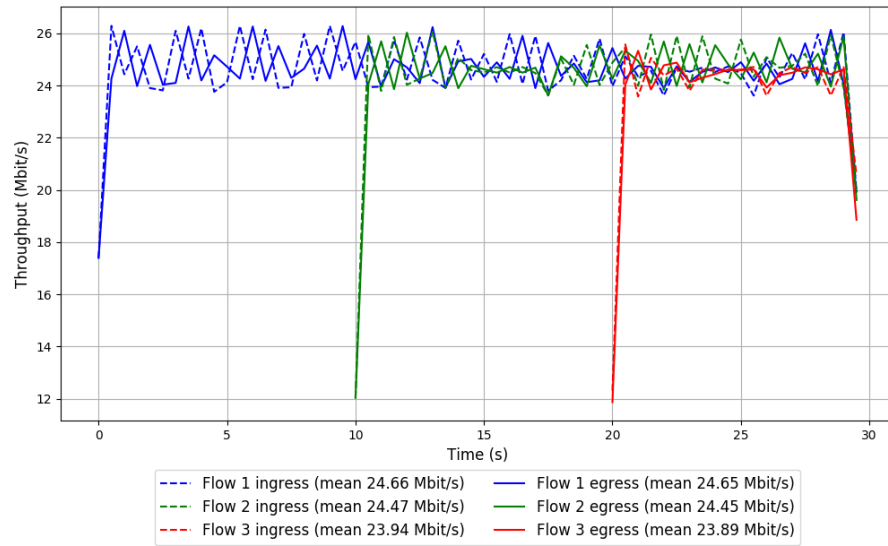


Run 2: Statistics of Sprout

Start at: 2018-03-13 14:34:14
End at: 2018-03-13 14:34:44
Local clock offset: 4.381 ms
Remote clock offset: -4.461 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 22.623 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.628 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 23.284 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 22.736 ms
Loss rate: 0.41%
```

Run 2: Report of Sprout — Data Link

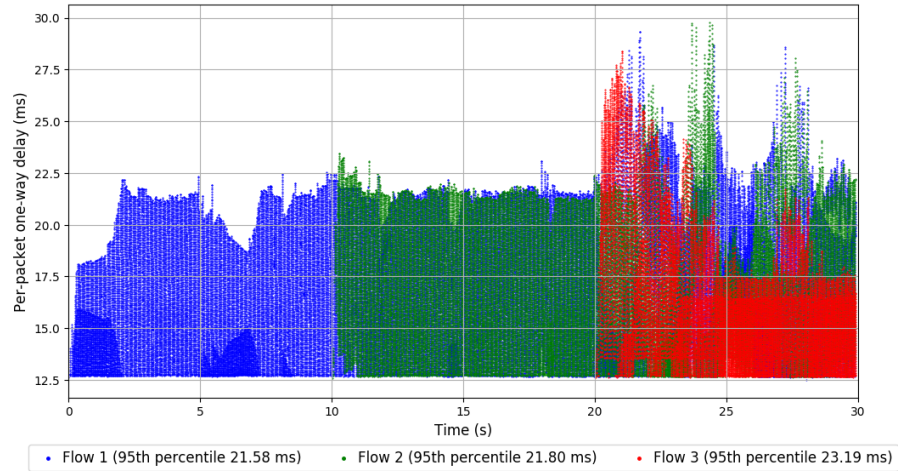
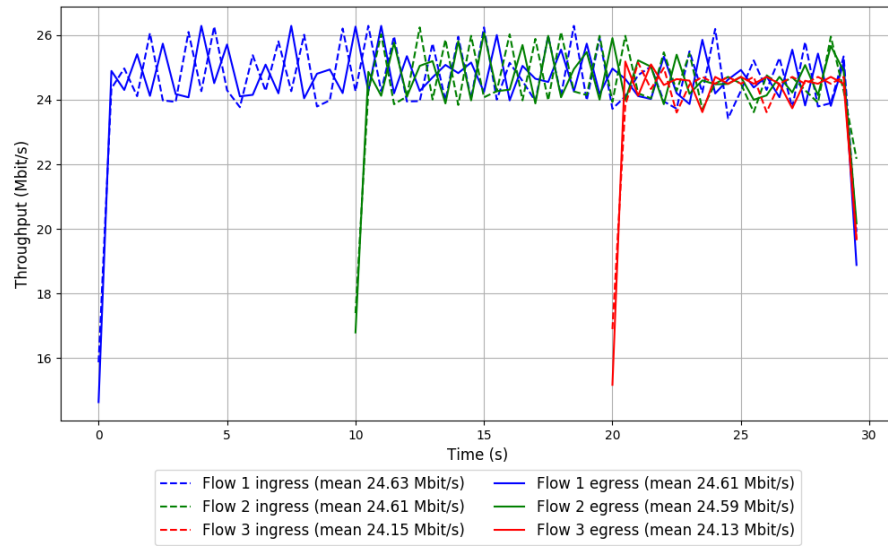


Run 3: Statistics of Sprout

Start at: 2018-03-13 14:55:39
End at: 2018-03-13 14:56:09
Local clock offset: 3.473 ms
Remote clock offset: -5.13 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 21.783 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 21.578 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 21.797 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 23.188 ms
Loss rate: 0.23%
```


Run 3: Report of Sprout — Data Link

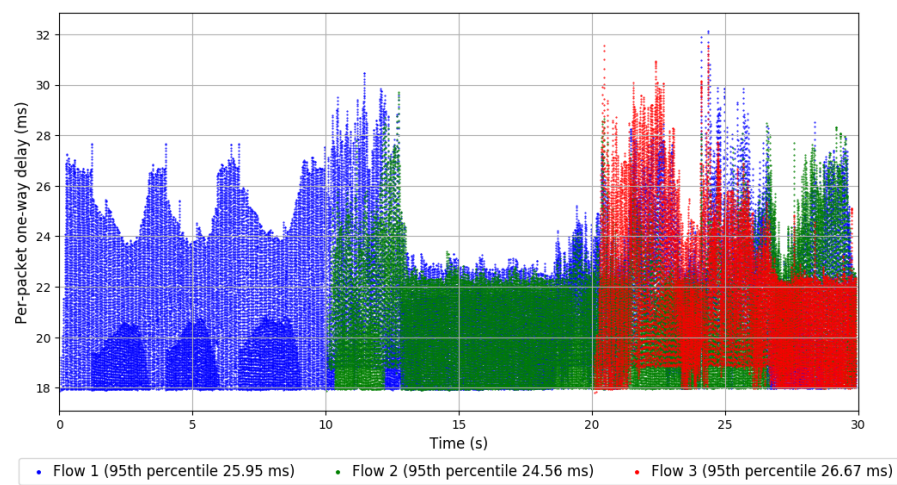
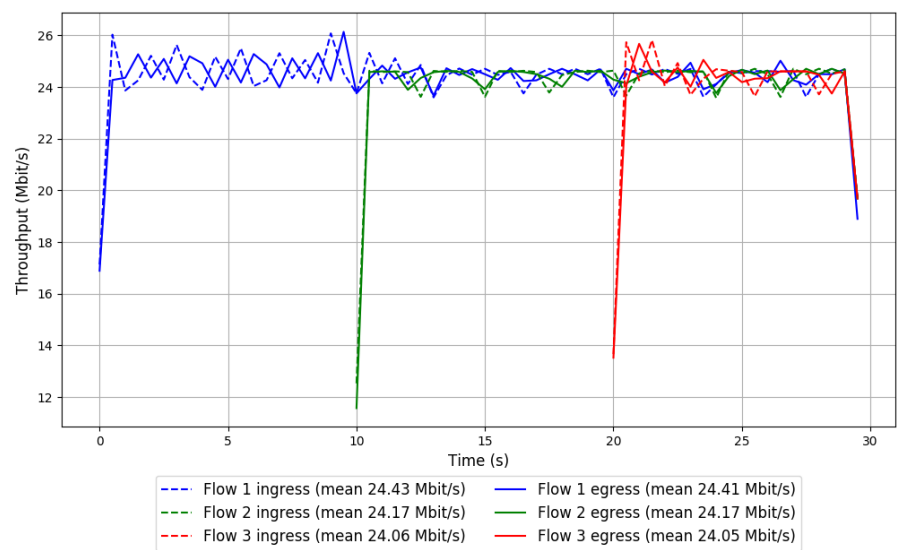


Run 4: Statistics of Sprout

Start at: 2018-03-13 15:16:46
End at: 2018-03-13 15:17:16
Local clock offset: 4.046 ms
Remote clock offset: -0.168 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 25.717 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 25.945 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 24.557 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 26.672 ms
Loss rate: 0.21%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-13 15:38:07

End at: 2018-03-13 15:38:37

Local clock offset: 2.032 ms

Remote clock offset: 1.743 ms

Below is generated by plot.py at 2018-03-13 21:22:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.01 Mbit/s

95th percentile per-packet one-way delay: 23.001 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 22.768 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 23.555 ms

Loss rate: 0.11%

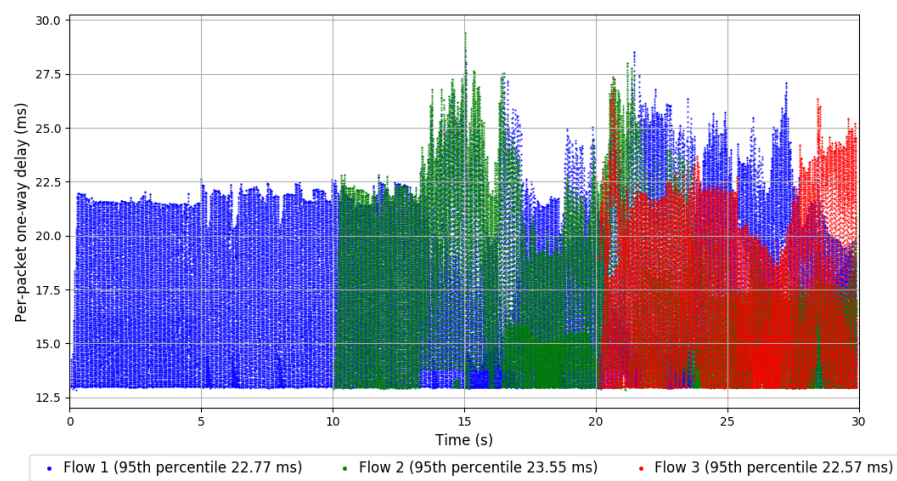
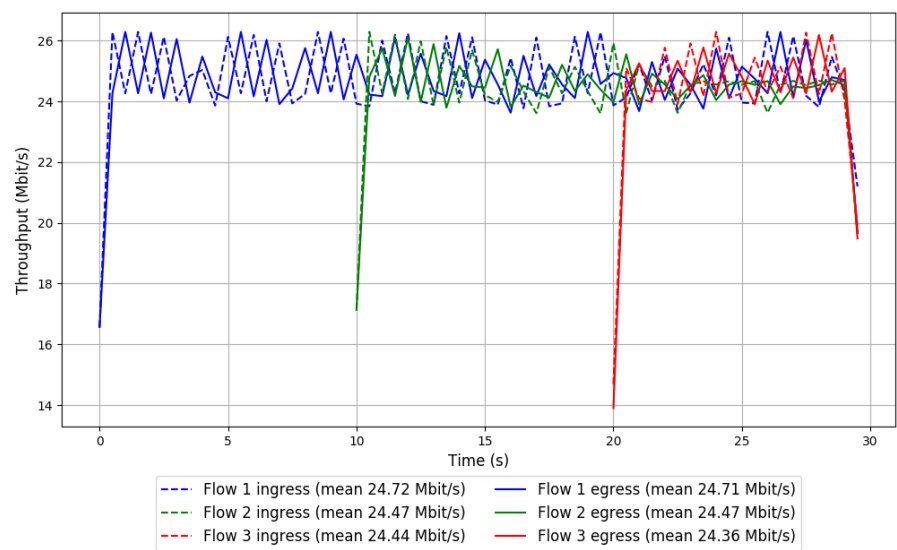
-- Flow 3:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 22.574 ms

Loss rate: 0.28%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-13 15:59:18

End at: 2018-03-13 15:59:48

Local clock offset: 5.423 ms

Remote clock offset: 1.773 ms

Below is generated by plot.py at 2018-03-13 21:22:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 23.689 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 24.282 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 20.381 ms

Loss rate: 0.15%

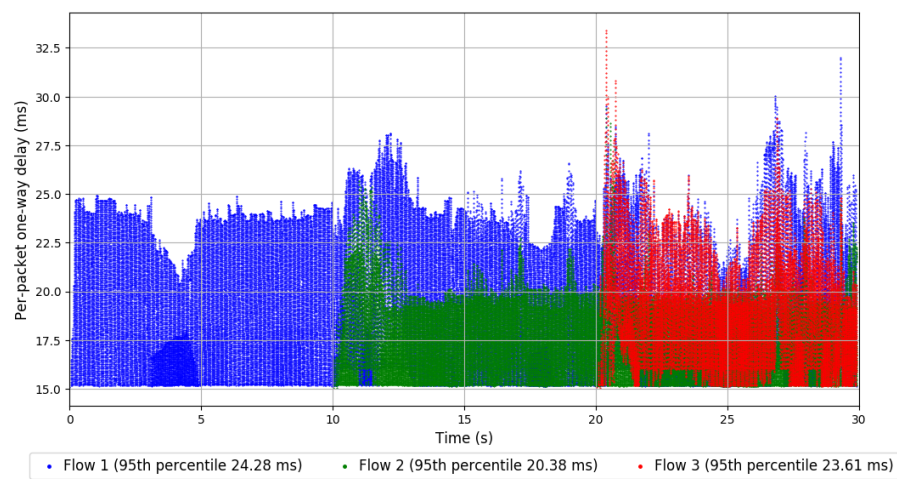
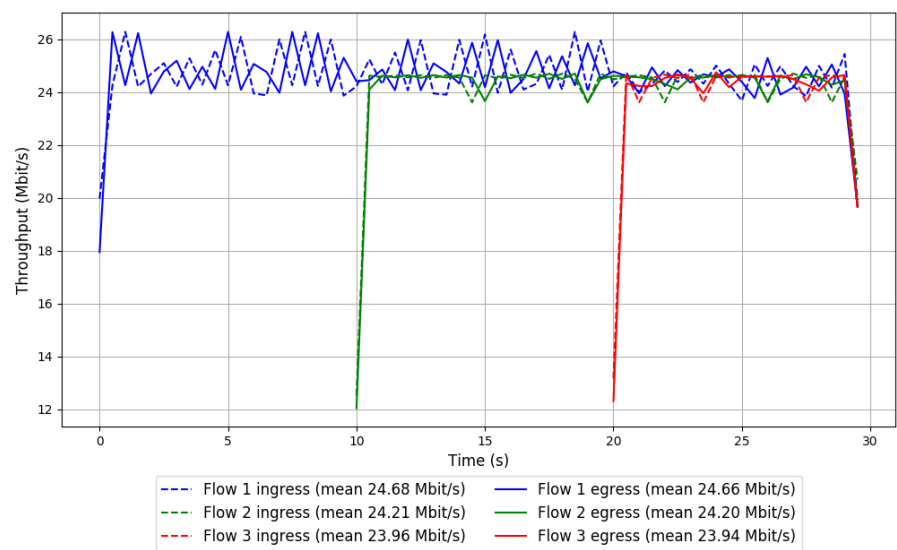
-- Flow 3:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 23.610 ms

Loss rate: 0.20%

Run 6: Report of Sprout — Data Link

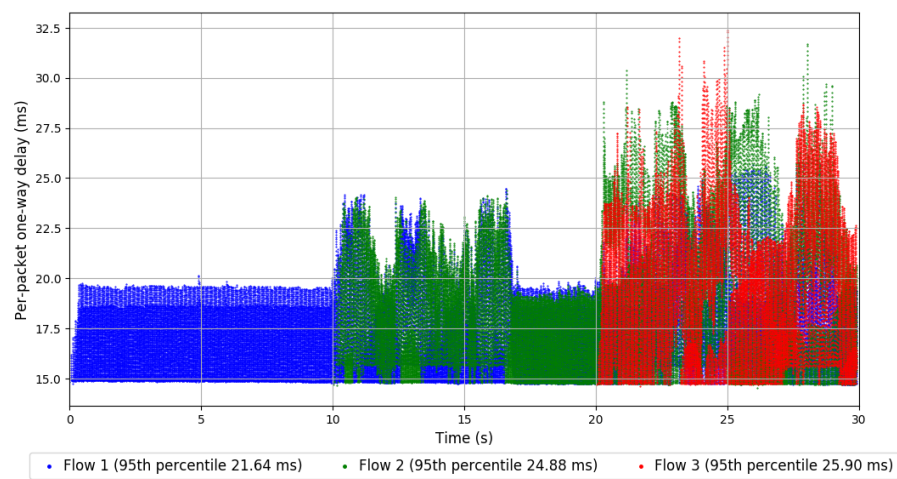
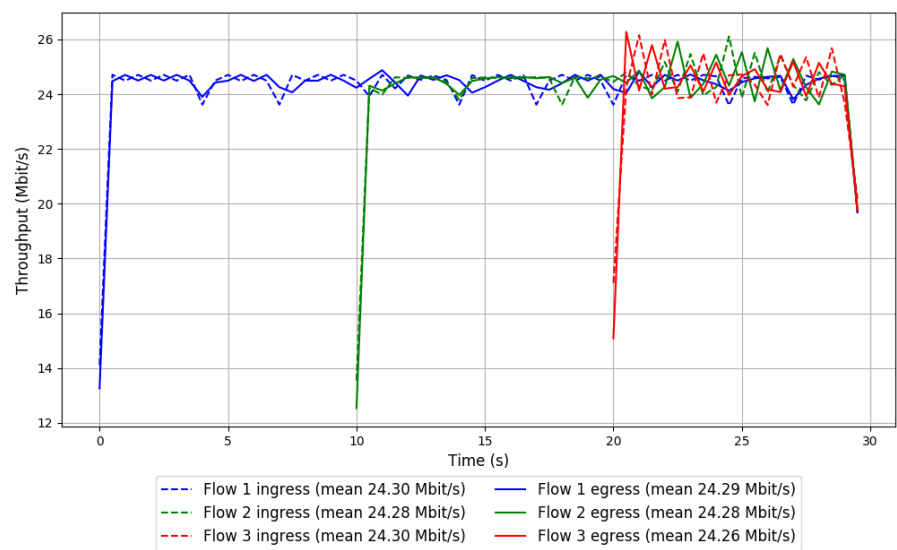


Run 7: Statistics of Sprout

Start at: 2018-03-13 16:20:28
End at: 2018-03-13 16:20:58
Local clock offset: 5.929 ms
Remote clock offset: -5.518 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 23.893 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 21.642 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 24.881 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 25.897 ms
Loss rate: 0.37%
```


Run 7: Report of Sprout — Data Link

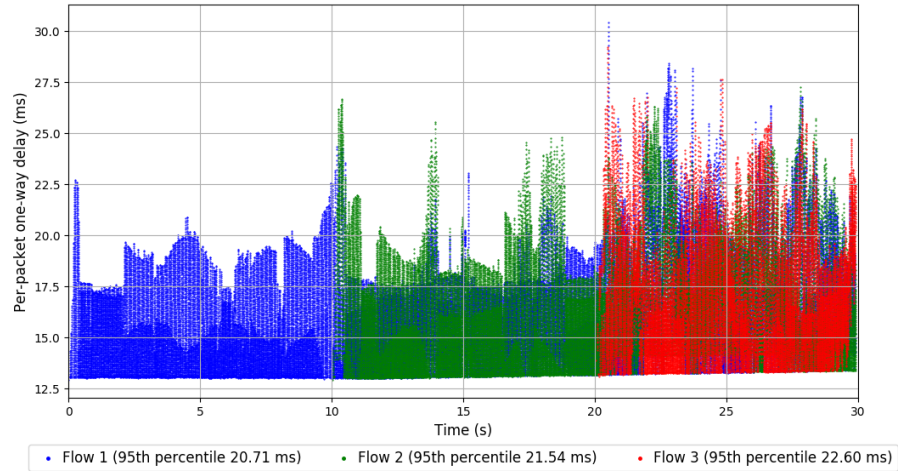
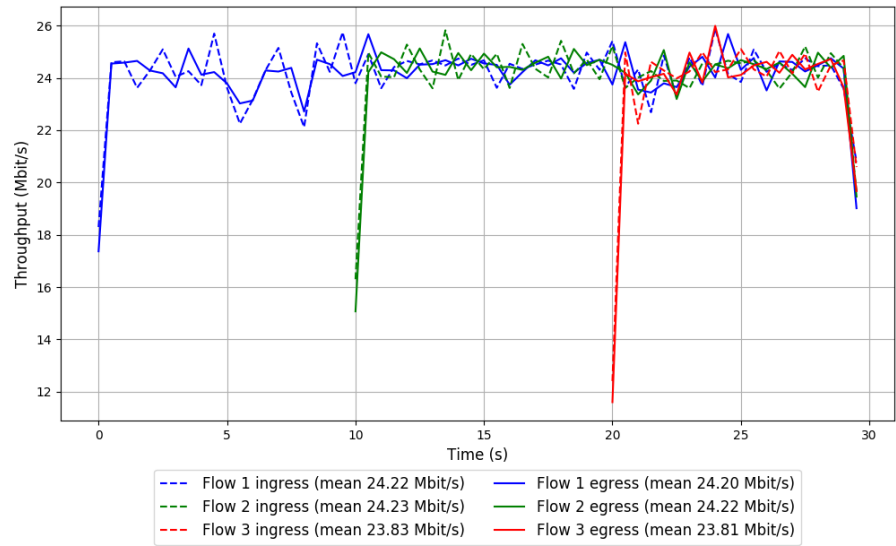


Run 8: Statistics of Sprout

Start at: 2018-03-13 16:41:43
End at: 2018-03-13 16:42:13
Local clock offset: 2.073 ms
Remote clock offset: -9.221 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 21.420 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 20.714 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 21.538 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 22.598 ms
Loss rate: 0.42%
```

Run 8: Report of Sprout — Data Link

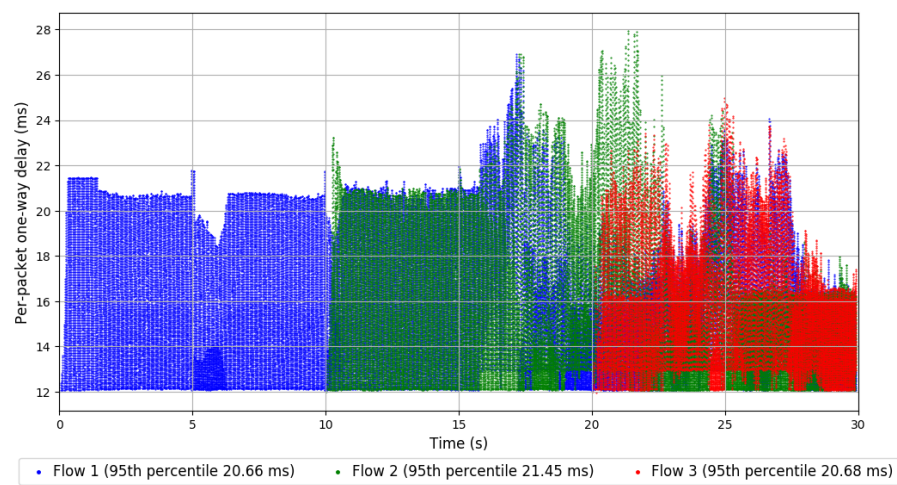
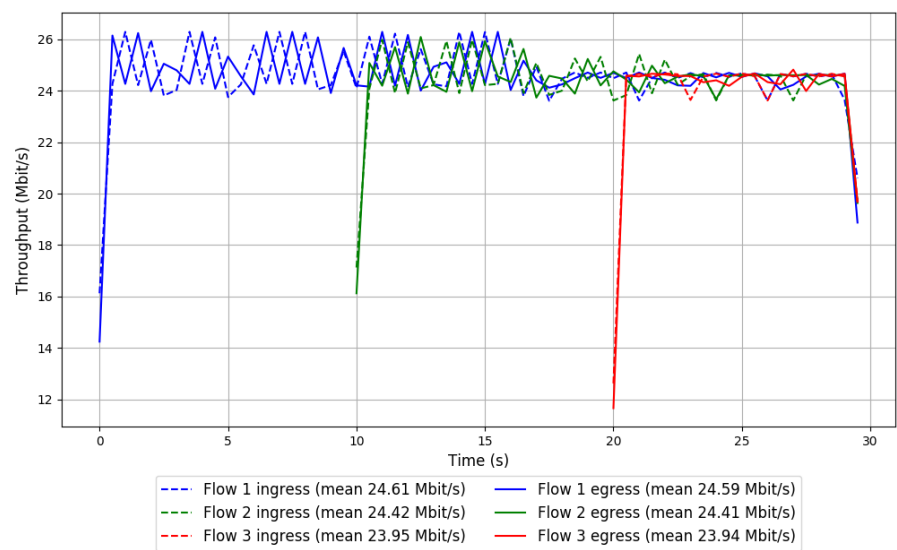


Run 9: Statistics of Sprout

Start at: 2018-03-13 17:02:43
End at: 2018-03-13 17:03:13
Local clock offset: 3.234 ms
Remote clock offset: 2.668 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 20.832 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 20.657 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 21.447 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 20.675 ms
Loss rate: 0.20%
```

Run 9: Report of Sprout — Data Link

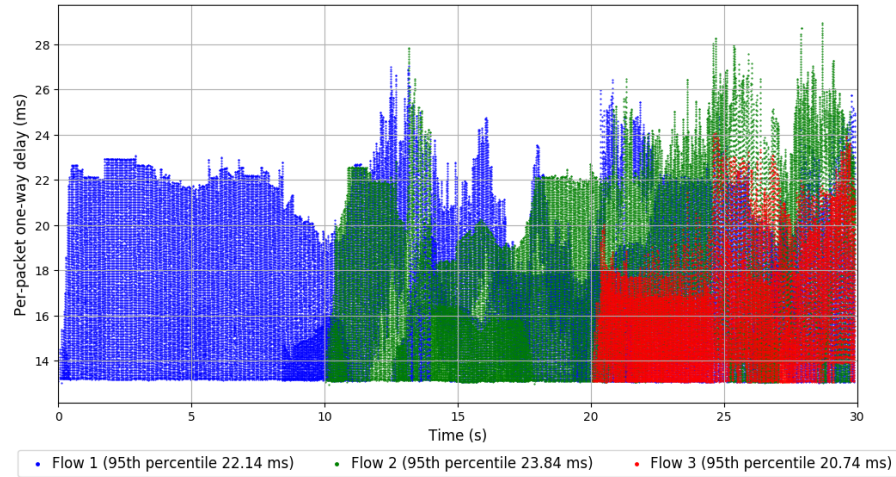
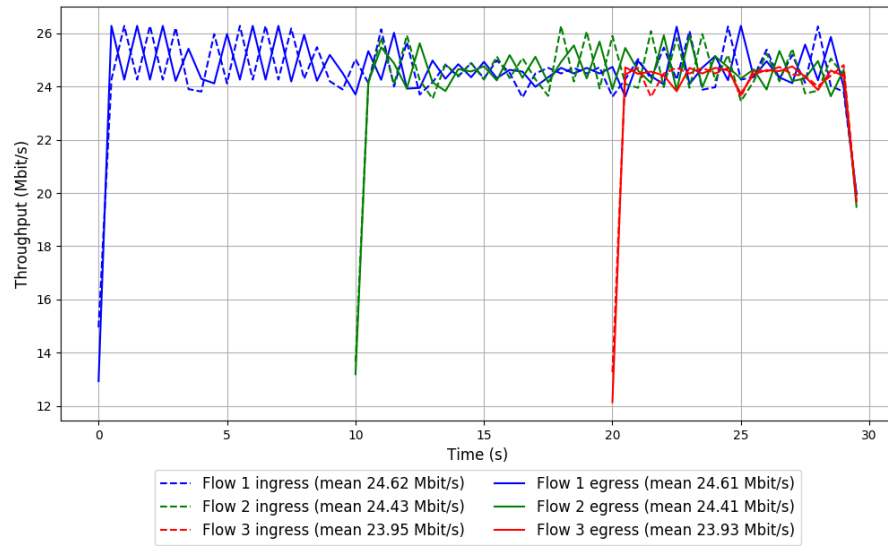


Run 10: Statistics of Sprout

Start at: 2018-03-13 17:23:47
End at: 2018-03-13 17:24:17
Local clock offset: 4.084 ms
Remote clock offset: -0.102 ms

```
# Below is generated by plot.py at 2018-03-13 21:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 22.554 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 22.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 23.838 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 20.743 ms
Loss rate: 0.26%
```

Run 10: Report of Sprout — Data Link

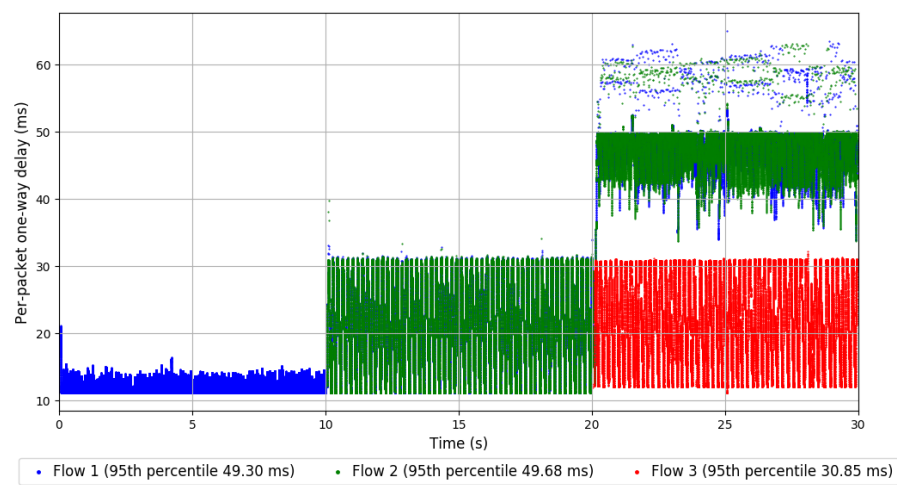
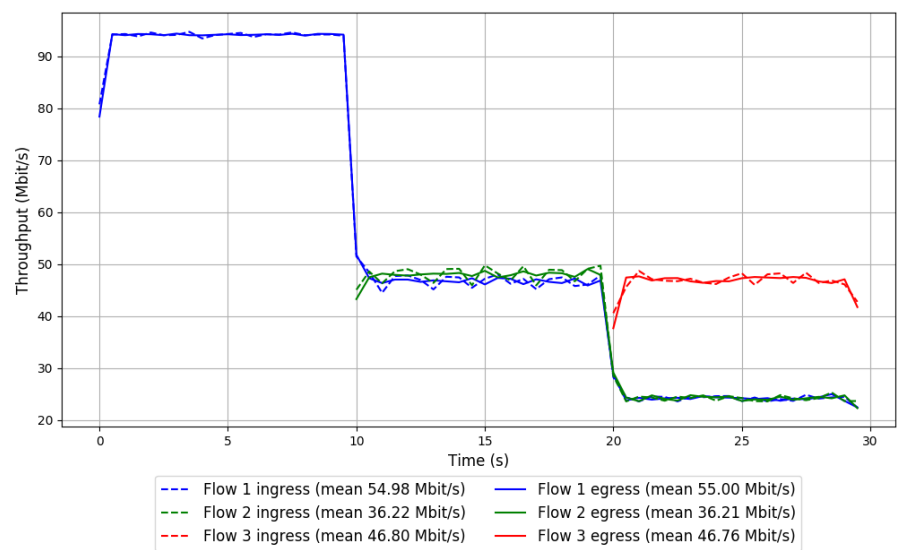


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 14:09:14
End at: 2018-03-13 14:09:44
Local clock offset: 2.416 ms
Remote clock offset: -4.879 ms

Below is generated by plot.py at 2018-03-13 21:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 49.444 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 49.305 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 49.678 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 30.846 ms
Loss rate: 0.32%

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

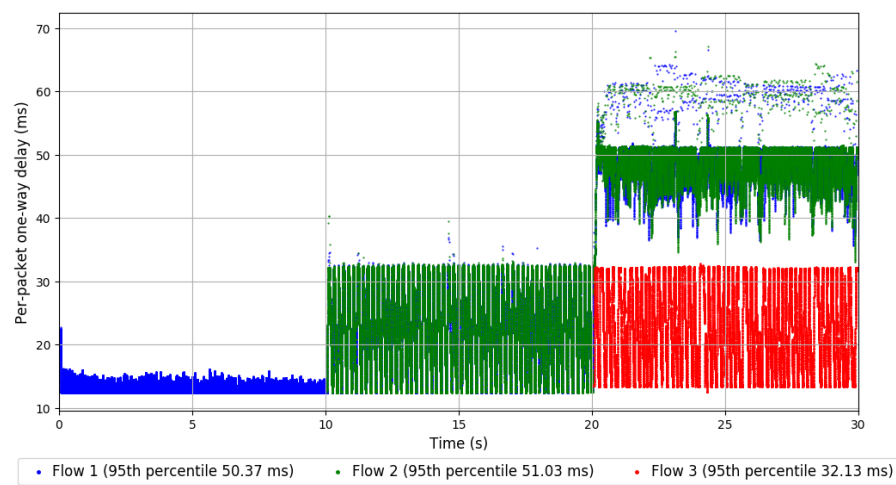
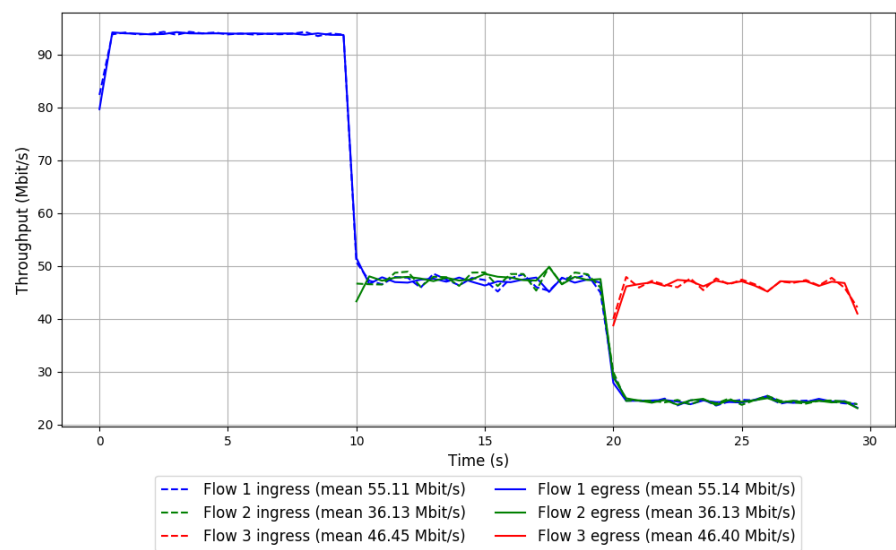


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 14:30:42
End at: 2018-03-13 14:31:12
Local clock offset: 4.547 ms
Remote clock offset: -4.223 ms

Below is generated by plot.py at 2018-03-13 21:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 50.674 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 32.132 ms
Loss rate: 0.34%

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

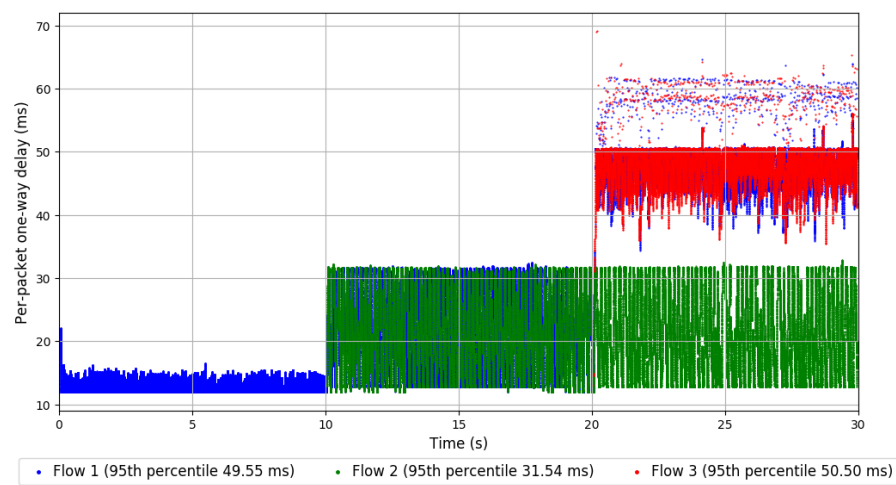
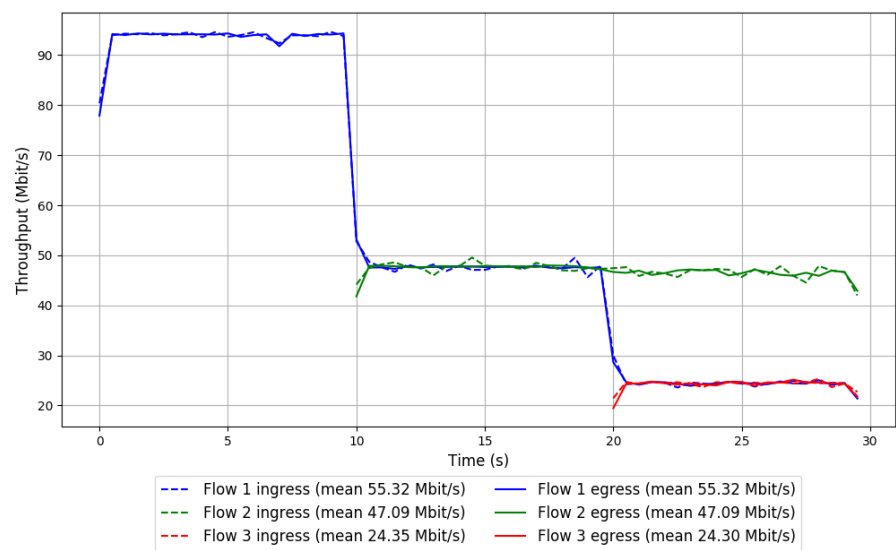


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 14:52:04
End at: 2018-03-13 14:52:34
Local clock offset: 3.203 ms
Remote clock offset: -4.577 ms

Below is generated by plot.py at 2018-03-13 21:24:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 49.952 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 49.546 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 31.543 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 50.498 ms
Loss rate: 0.58%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 15:13:12

End at: 2018-03-13 15:13:42

Local clock offset: 4.779 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-03-13 21:24:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 55.853 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 55.476 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 38.601 ms

Loss rate: 0.13%

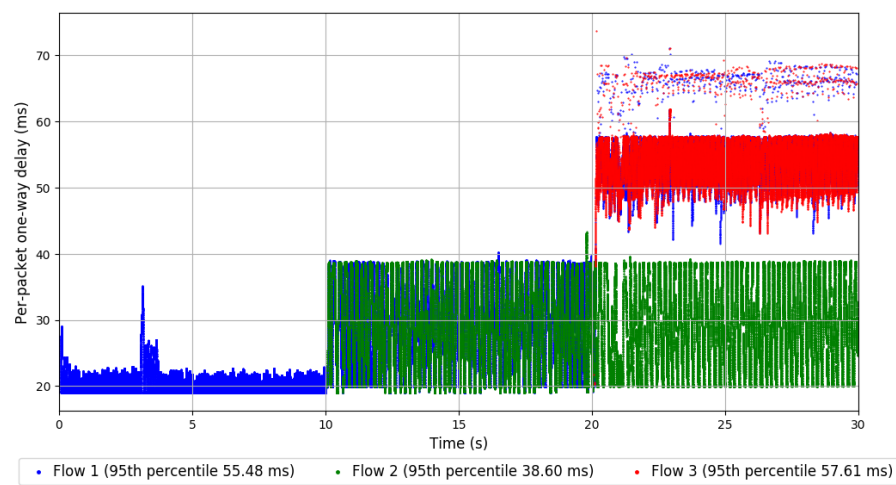
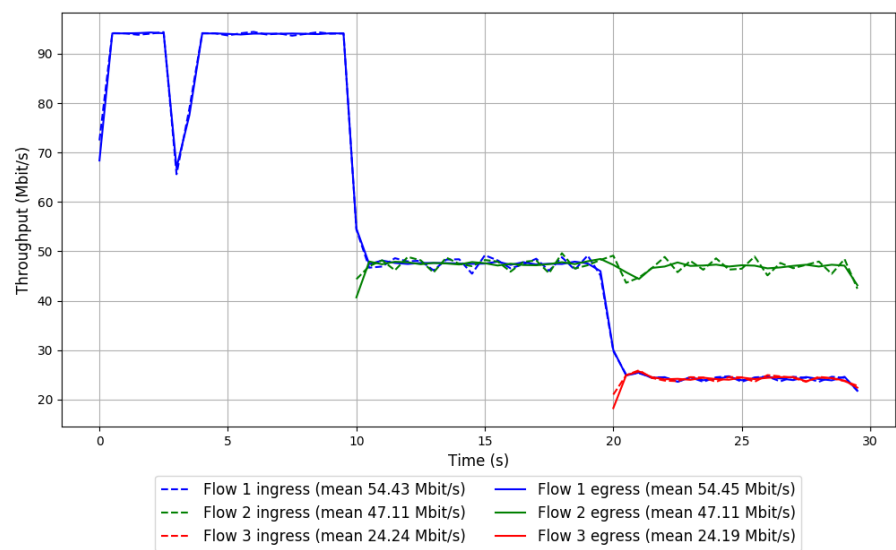
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 57.609 ms

Loss rate: 0.63%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 15:34:38

End at: 2018-03-13 15:35:08

Local clock offset: 5.238 ms

Remote clock offset: 1.847 ms

Below is generated by plot.py at 2018-03-13 21:24:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 53.944 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 55.37 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 35.421 ms

Loss rate: 0.11%

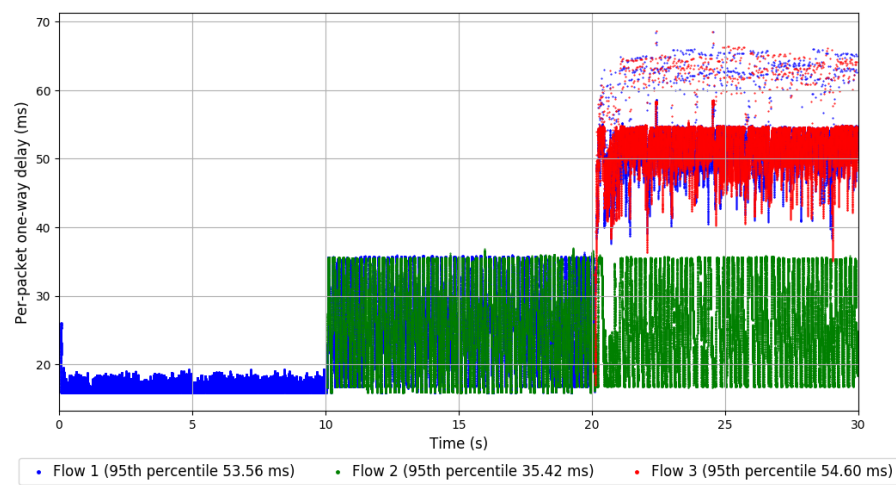
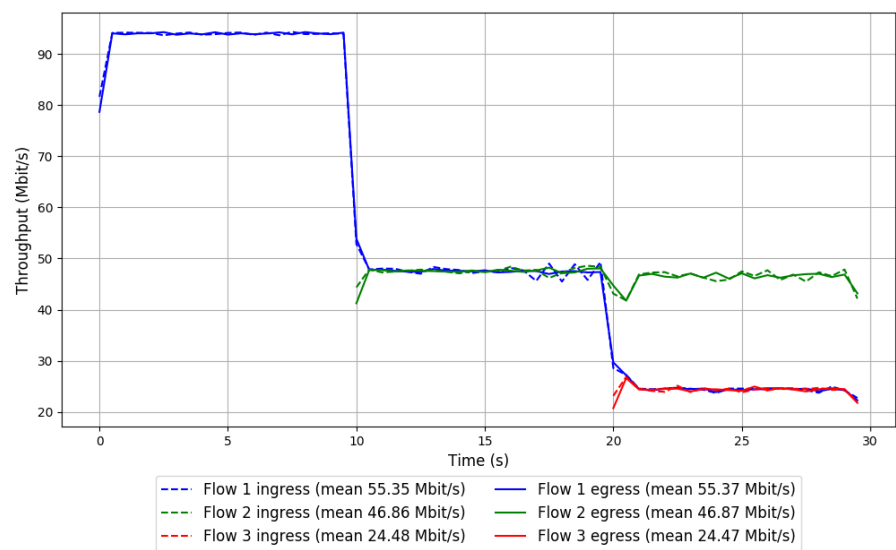
-- Flow 3:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 54.605 ms

Loss rate: 0.59%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 15:55:50

End at: 2018-03-13 15:56:20

Local clock offset: 2.899 ms

Remote clock offset: 2.044 ms

Below is generated by plot.py at 2018-03-13 21:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 41.744 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 41.702 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 41.588 ms

Loss rate: 0.21%

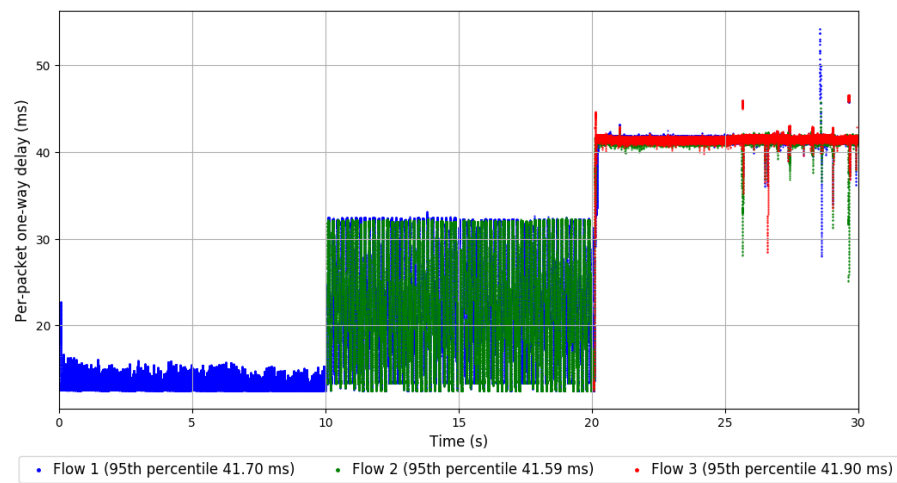
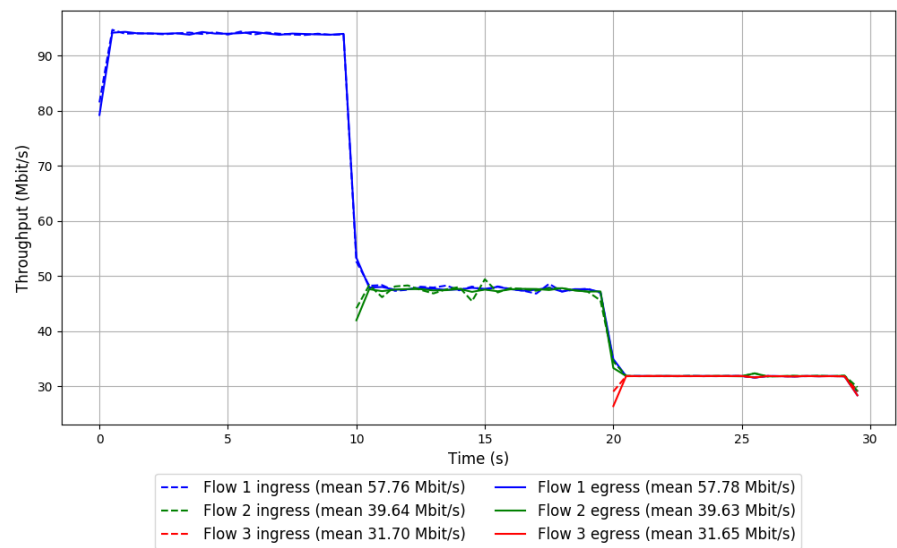
-- Flow 3:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 41.903 ms

Loss rate: 0.53%

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

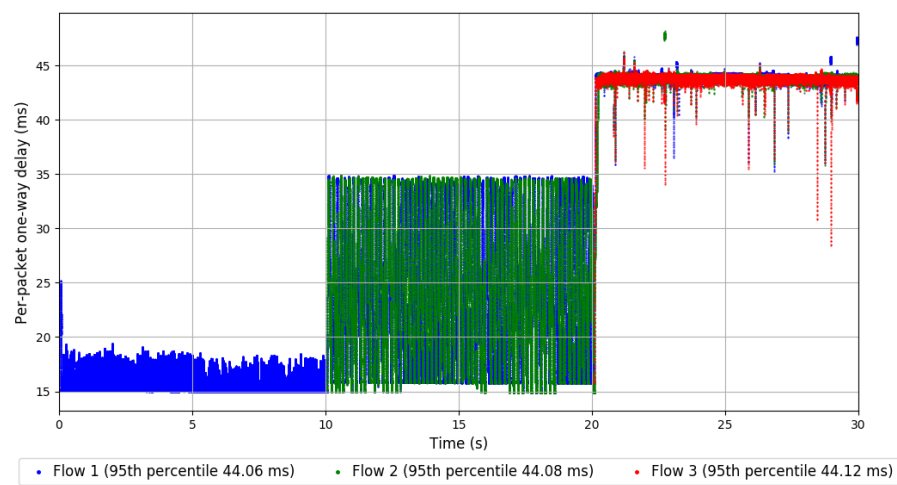
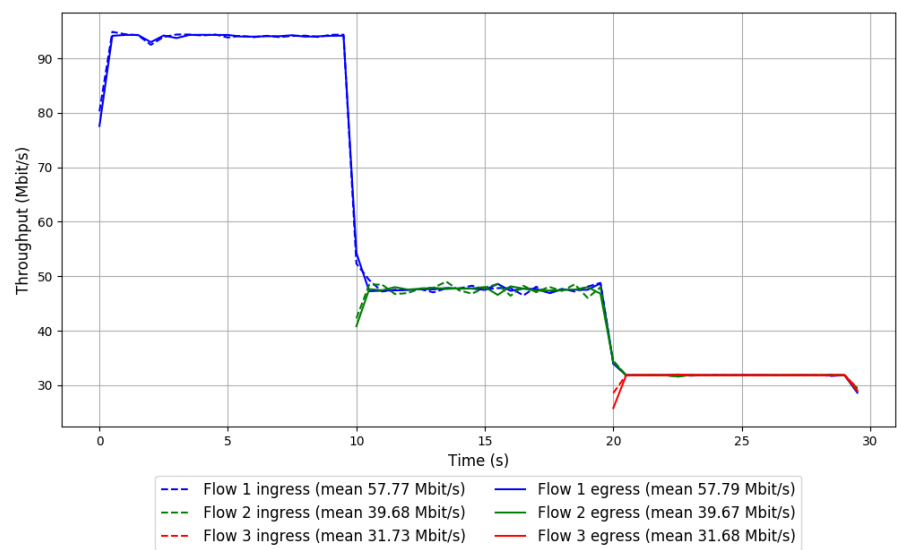


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 16:16:58
End at: 2018-03-13 16:17:28
Local clock offset: 6.391 ms
Remote clock offset: -4.004 ms

Below is generated by plot.py at 2018-03-13 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 44.078 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 44.062 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 44.082 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 44.117 ms
Loss rate: 0.52%

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

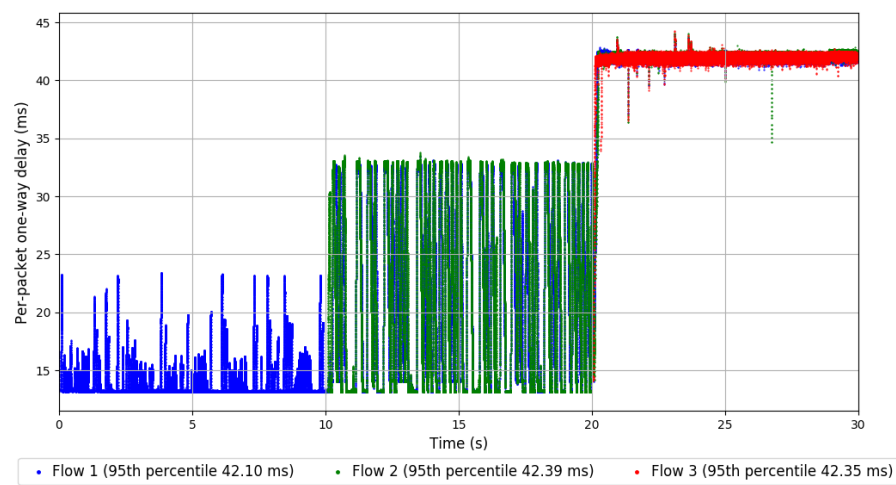
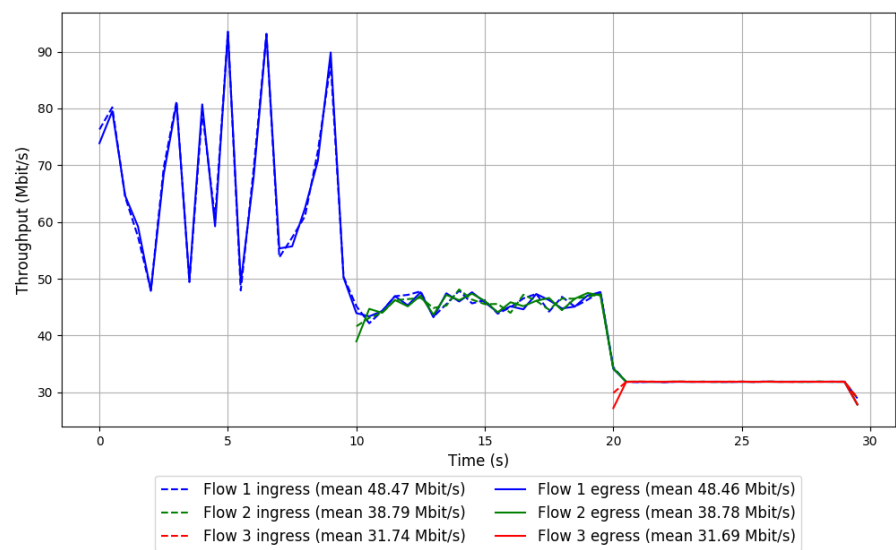


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 16:38:12
End at: 2018-03-13 16:38:42
Local clock offset: 2.761 ms
Remote clock offset: -8.432 ms

Below is generated by plot.py at 2018-03-13 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 42.299 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 42.100 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 42.387 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 42.355 ms
Loss rate: 0.60%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 16:59:15

End at: 2018-03-13 16:59:45

Local clock offset: 2.133 ms

Remote clock offset: 1.179 ms

Below is generated by plot.py at 2018-03-13 21:27:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 50.304 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.18 Mbit/s

95th percentile per-packet one-way delay: 49.970 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 31.937 ms

Loss rate: 0.21%

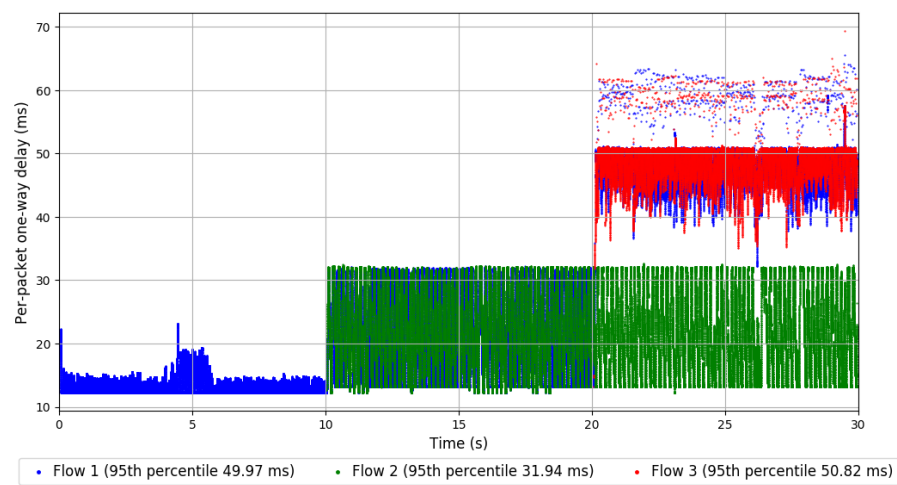
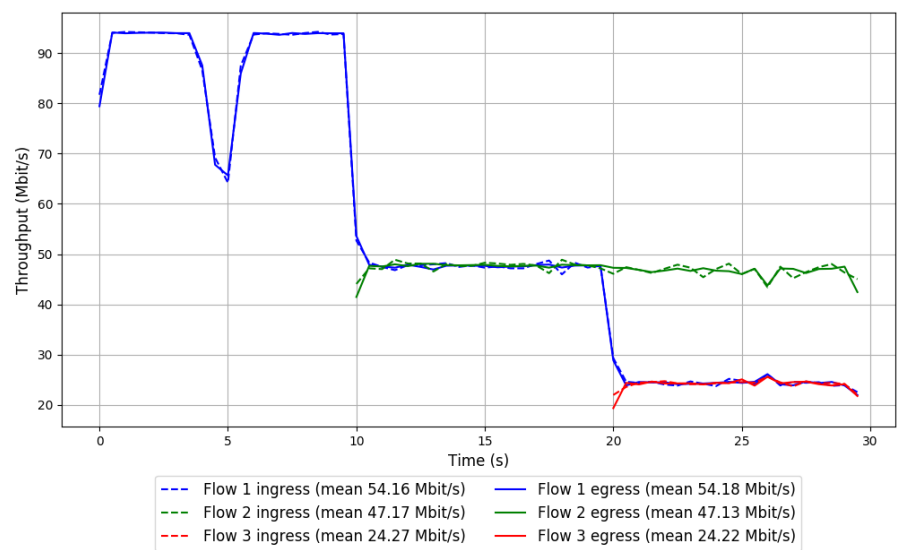
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 0.61%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 17:20:16

End at: 2018-03-13 17:20:46

Local clock offset: 3.784 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-03-13 21:27:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.67 Mbit/s

95th percentile per-packet one-way delay: 41.768 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 41.531 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 41.844 ms

Loss rate: 0.21%

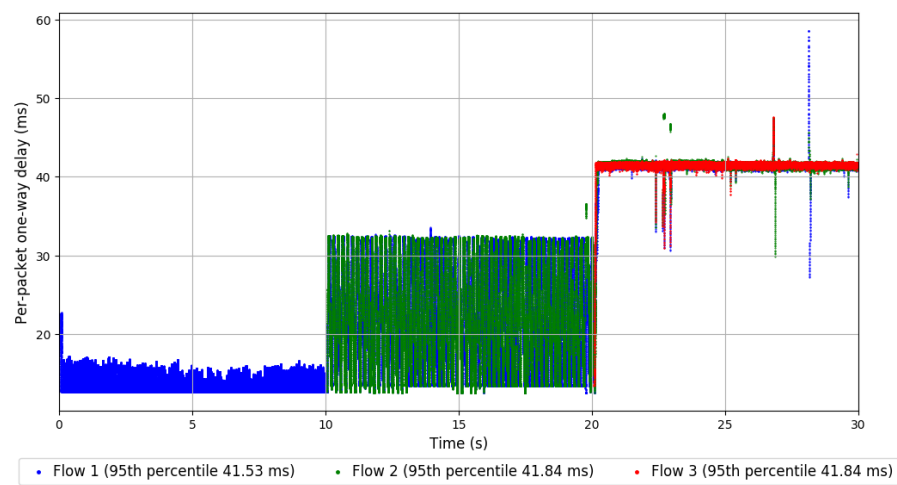
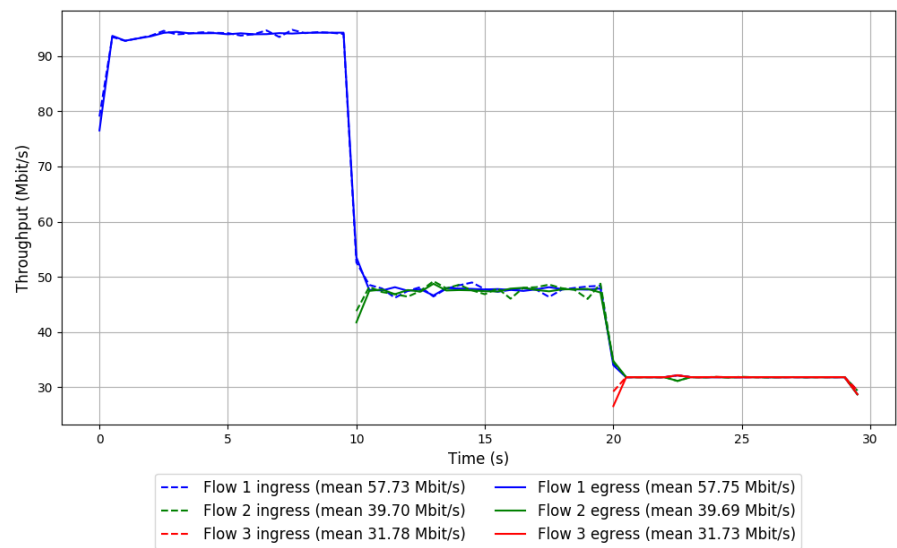
-- Flow 3:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 41.835 ms

Loss rate: 0.53%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 14:05:31

End at: 2018-03-13 14:06:01

Local clock offset: 3.404 ms

Remote clock offset: -5.26 ms

Below is generated by plot.py at 2018-03-13 21:27:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 47.511 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 47.604 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 36.260 ms

Loss rate: 0.10%

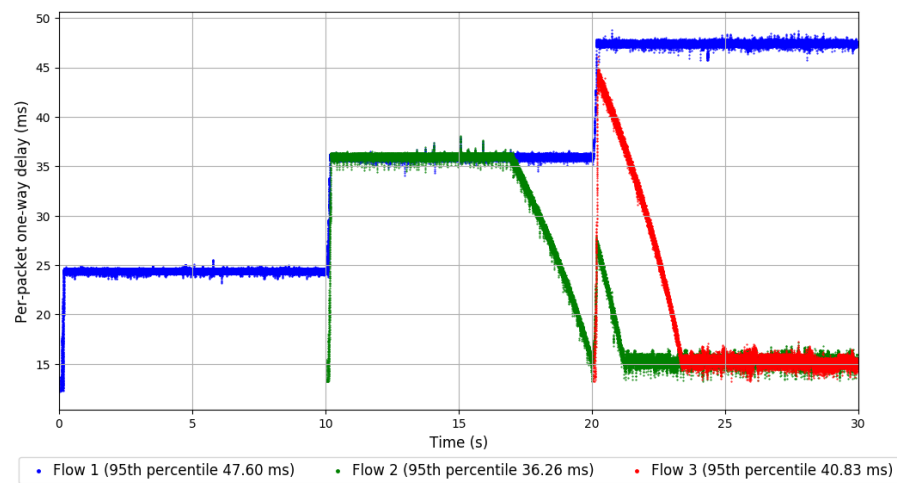
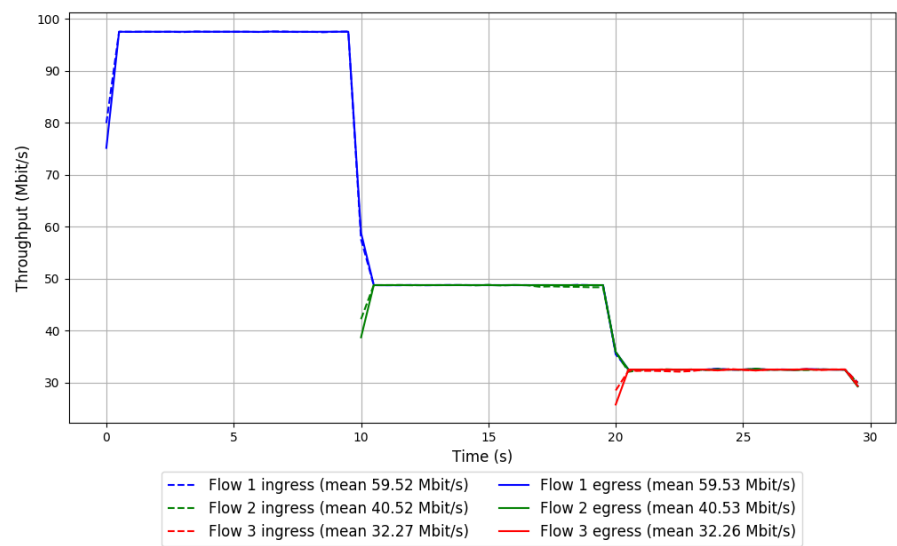
-- Flow 3:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 40.830 ms

Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link

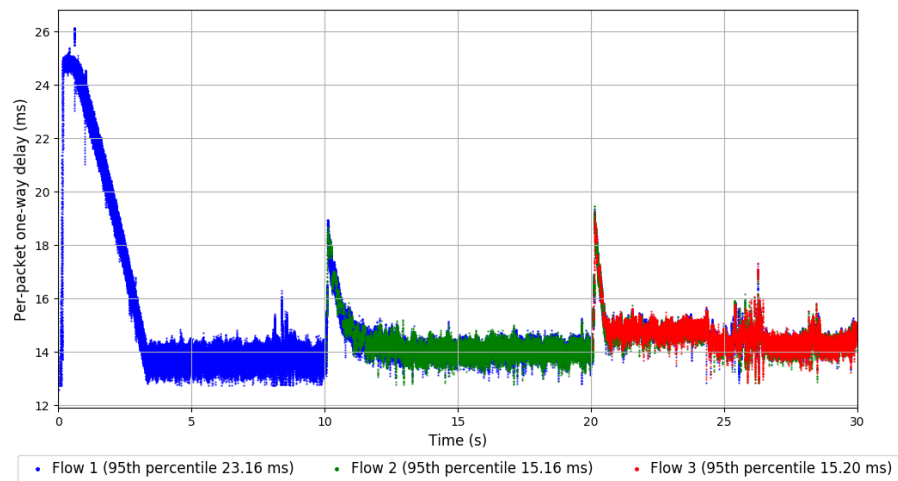
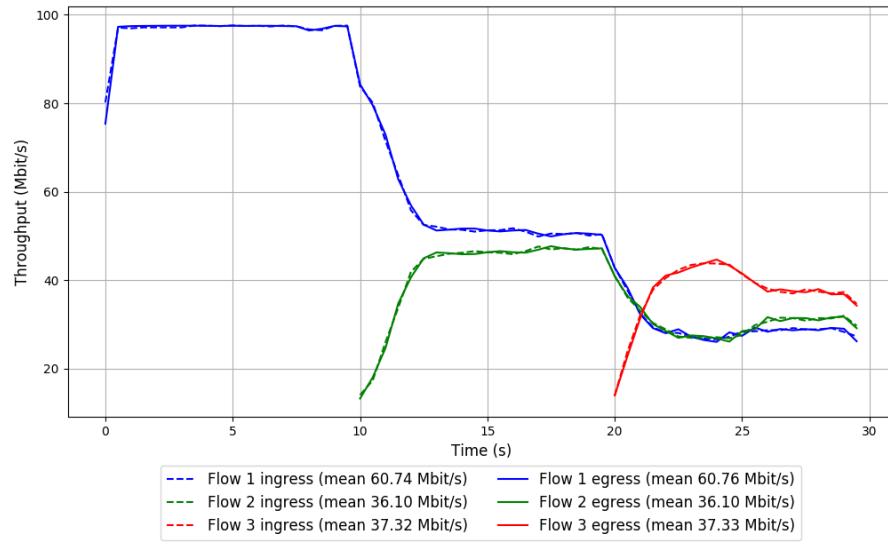


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 14:27:02
End at: 2018-03-13 14:27:32
Local clock offset: 4.323 ms
Remote clock offset: -5.454 ms

Below is generated by plot.py at 2018-03-13 21:27:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 21.071 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 23.162 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 15.156 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 15.197 ms
Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

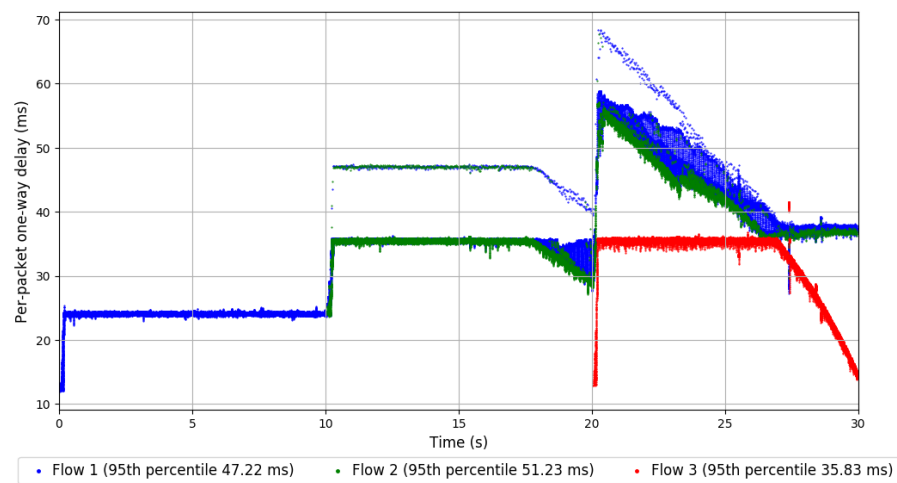
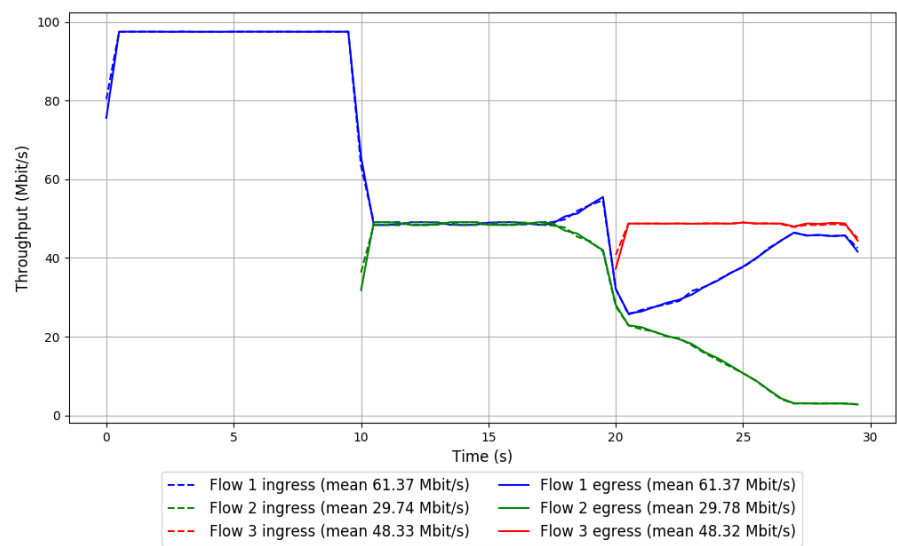


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 14:48:26
End at: 2018-03-13 14:48:56
Local clock offset: 3.446 ms
Remote clock offset: -4.309 ms

```
# Below is generated by plot.py at 2018-03-13 21:27:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 47.166 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 47.215 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 51.231 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 35.832 ms
Loss rate: 0.25%
```


Run 3: Report of TCP Vegas — Data Link

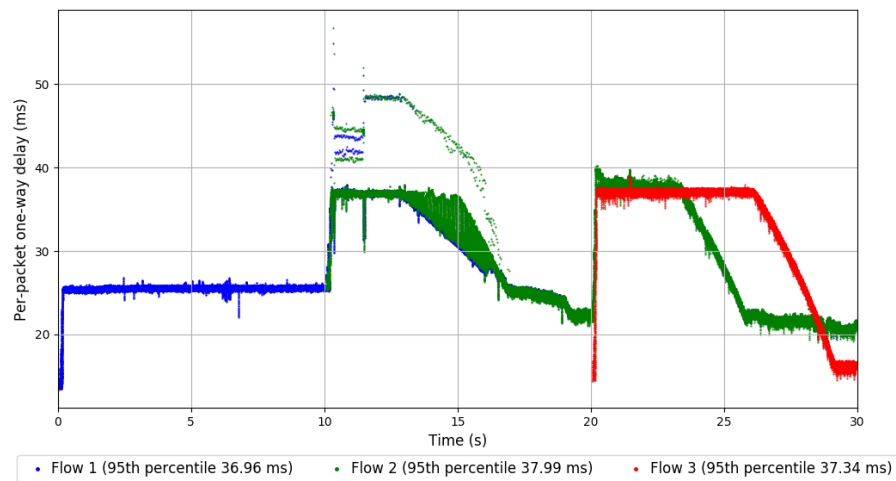
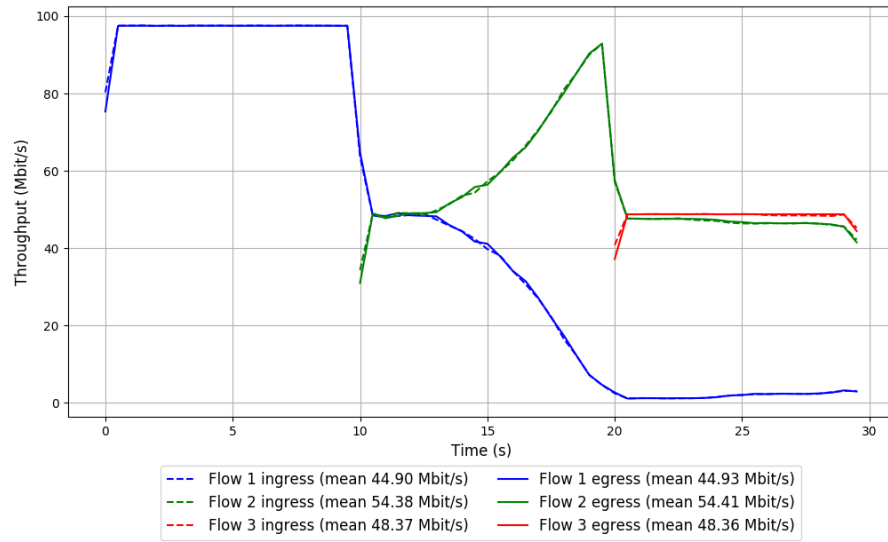


Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 15:09:39
End at: 2018-03-13 15:10:09
Local clock offset: 3.737 ms
Remote clock offset: -0.459 ms

```
# Below is generated by plot.py at 2018-03-13 21:27:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 37.469 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 36.962 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 37.340 ms
Loss rate: 0.25%
```

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 15:31:02

End at: 2018-03-13 15:31:32

Local clock offset: 3.633 ms

Remote clock offset: 2.701 ms

Below is generated by plot.py at 2018-03-13 21:27:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 37.865 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 67.53 Mbit/s

95th percentile per-packet one-way delay: 37.582 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 36.994 ms

Loss rate: 0.02%

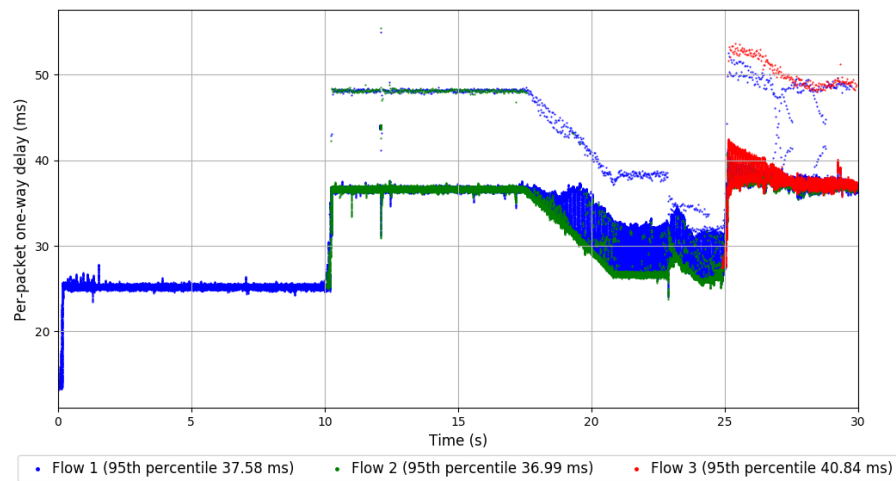
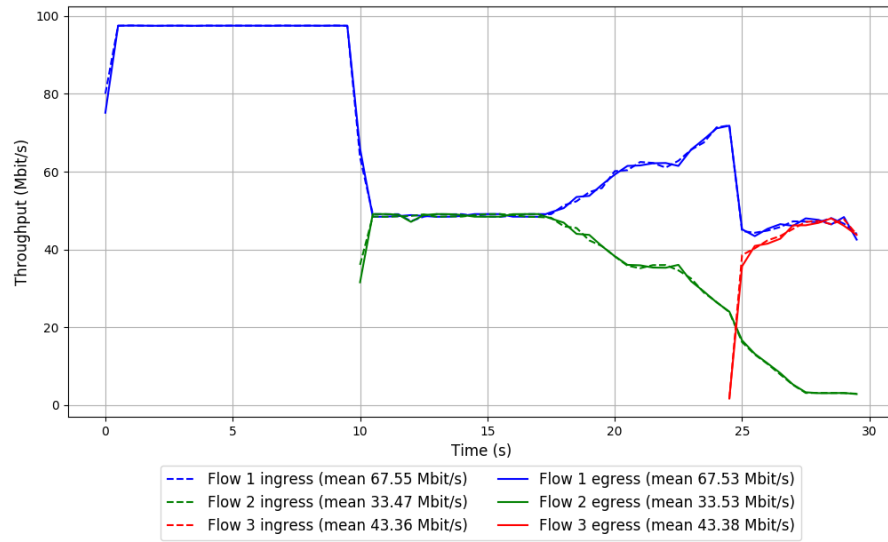
-- Flow 3:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 40.841 ms

Loss rate: 1.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 15:52:18

End at: 2018-03-13 15:52:48

Local clock offset: 3.147 ms

Remote clock offset: 2.576 ms

Below is generated by plot.py at 2018-03-13 21:27:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 44.828 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 62.37 Mbit/s

95th percentile per-packet one-way delay: 45.051 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 46.901 ms

Loss rate: 0.03%

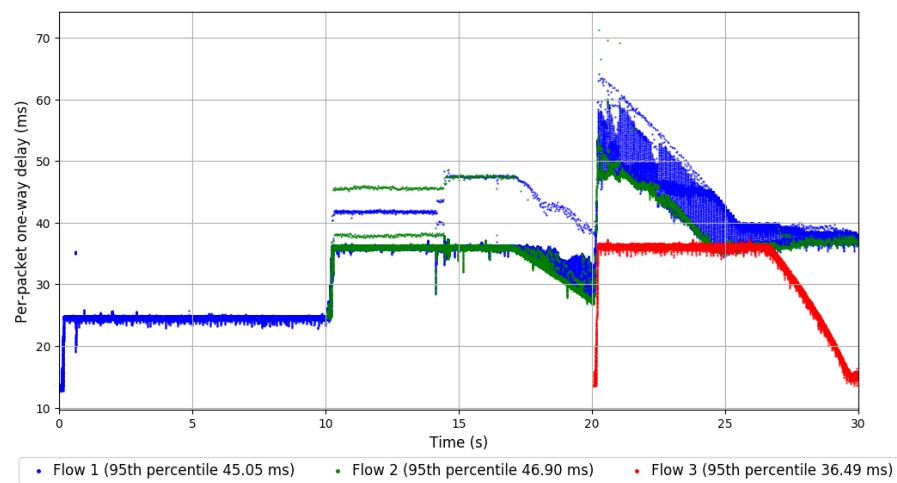
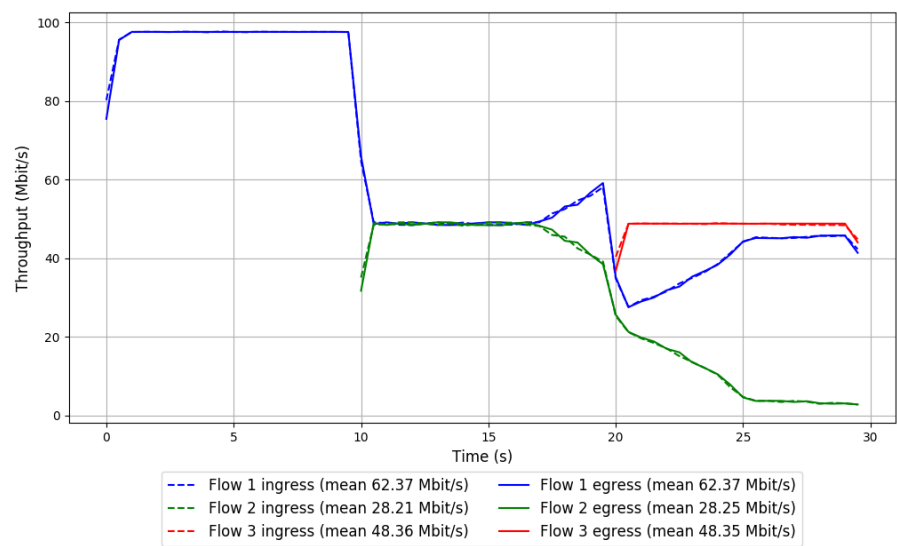
-- Flow 3:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 36.493 ms

Loss rate: 0.25%

Run 6: Report of TCP Vegas — Data Link

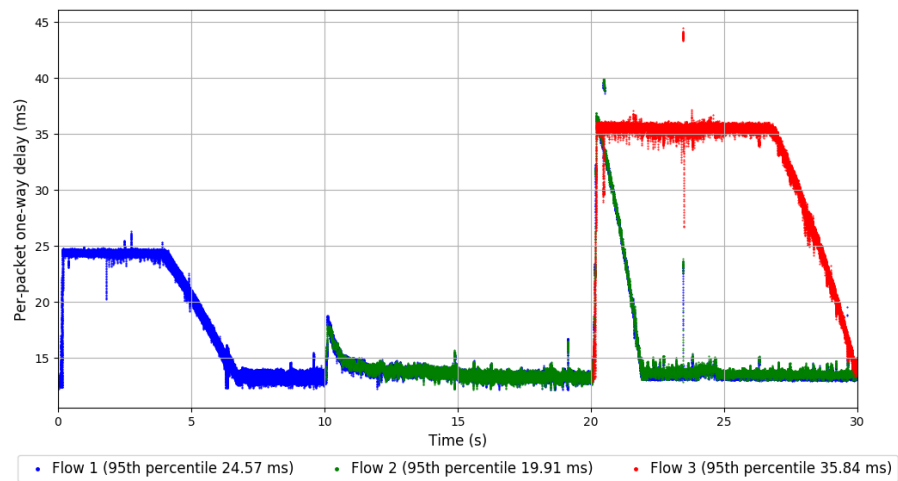
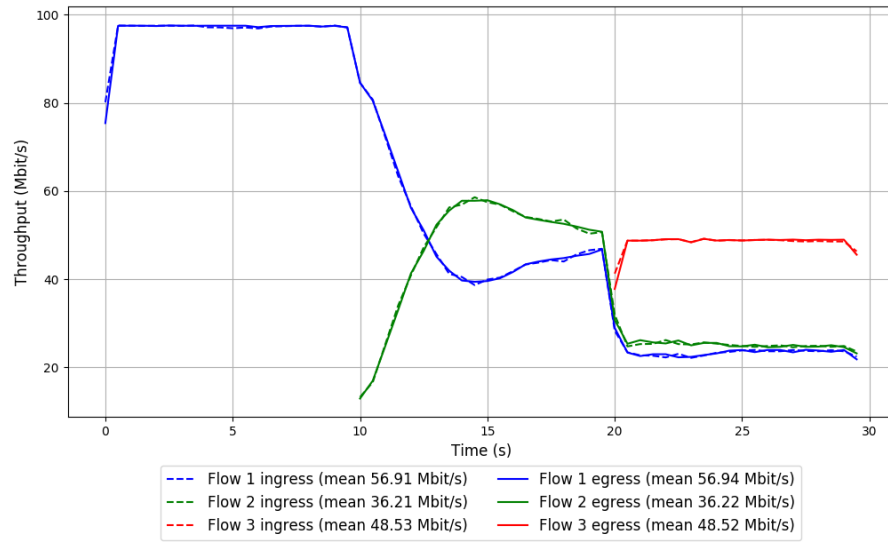


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 16:13:19
End at: 2018-03-13 16:13:49
Local clock offset: 4.324 ms
Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-03-13 21:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 35.583 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 24.572 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 35.844 ms
Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

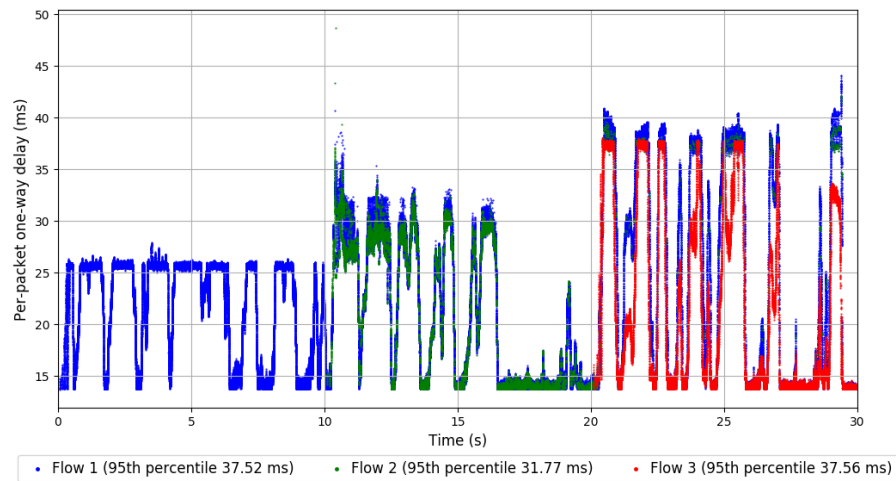
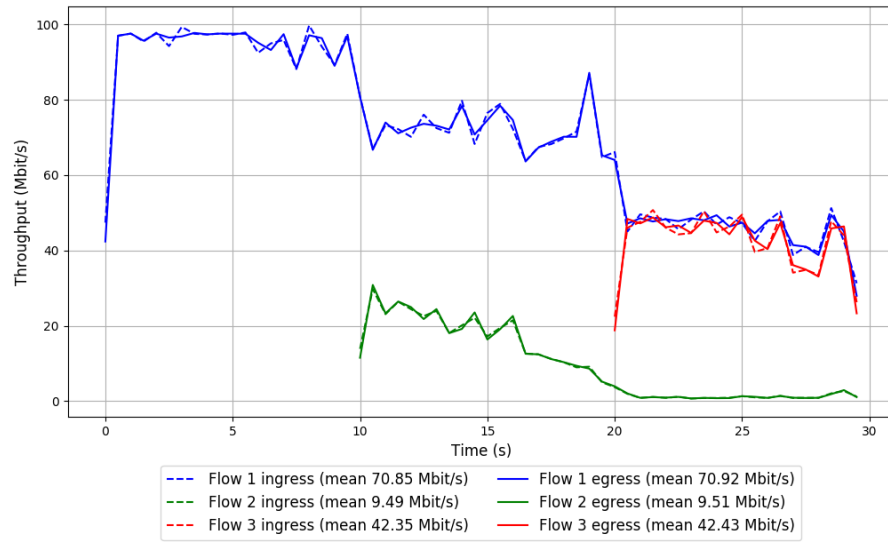


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 16:34:33
End at: 2018-03-13 16:35:03
Local clock offset: 4.234 ms
Remote clock offset: -7.268 ms

Below is generated by plot.py at 2018-03-13 21:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 37.510 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 37.516 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 31.771 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 37.556 ms
Loss rate: 0.44%

Run 8: Report of TCP Vegas — Data Link

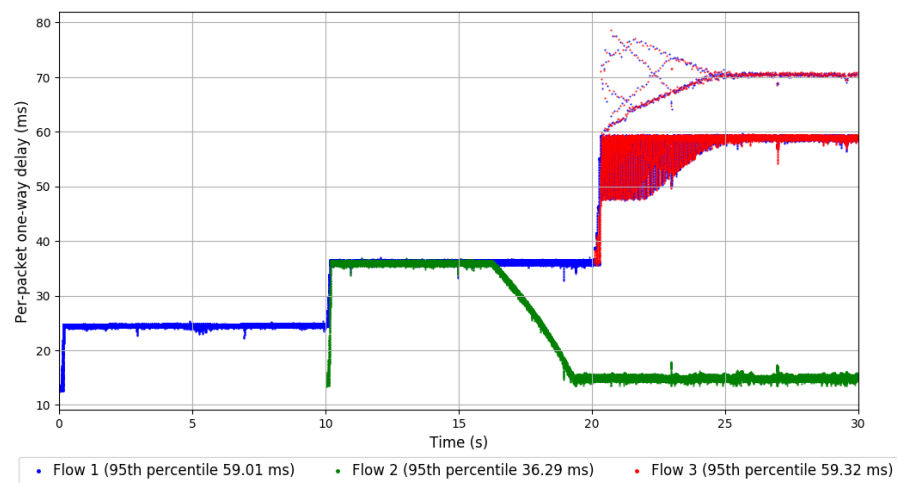
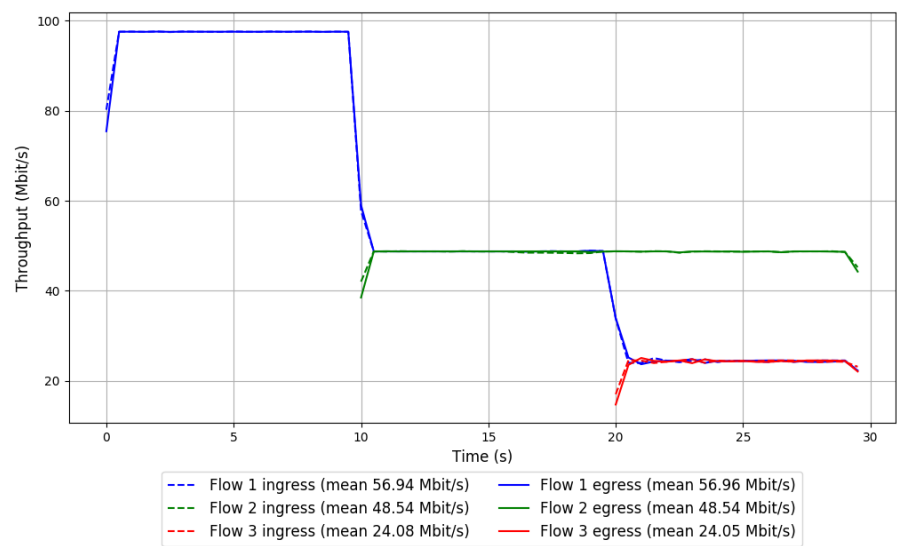


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 16:55:43
End at: 2018-03-13 16:56:13
Local clock offset: 1.239 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-03-13 21:27:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 59.050 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 59.010 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 36.291 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 59.321 ms
Loss rate: 0.71%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 17:16:45

End at: 2018-03-13 17:17:15

Local clock offset: 2.458 ms

Remote clock offset: 3.833 ms

Below is generated by plot.py at 2018-03-13 21:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 33.996 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.87 Mbit/s

95th percentile per-packet one-way delay: 34.011 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.53 Mbit/s

95th percentile per-packet one-way delay: 33.982 ms

Loss rate: 0.08%

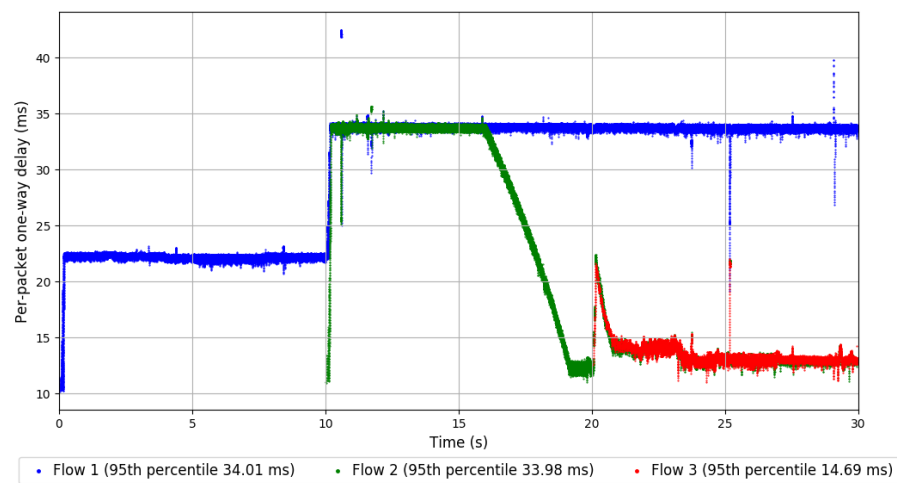
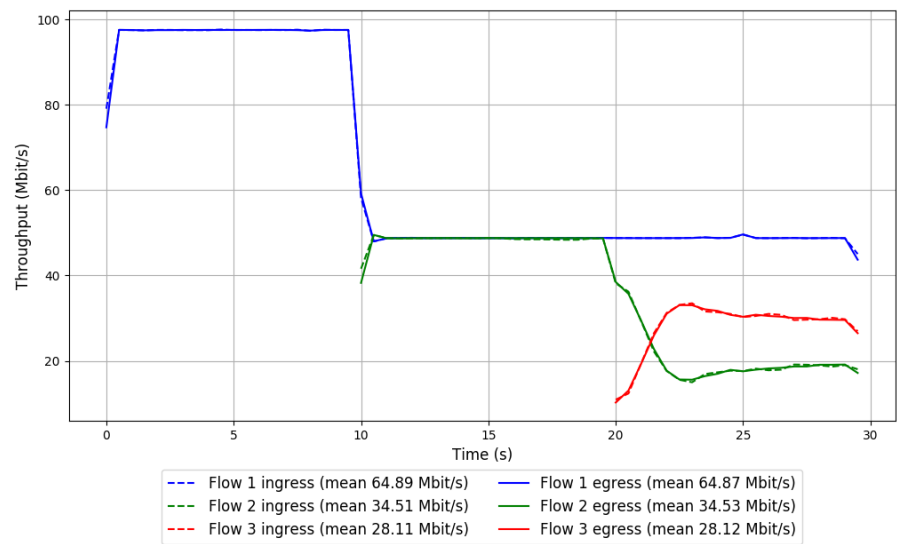
-- Flow 3:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 14.689 ms

Loss rate: 0.27%

Run 10: Report of TCP Vegas — Data Link

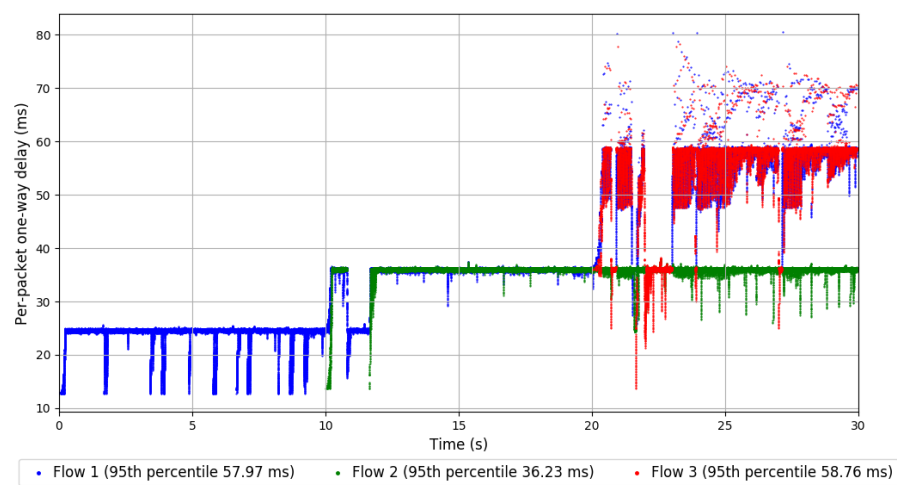
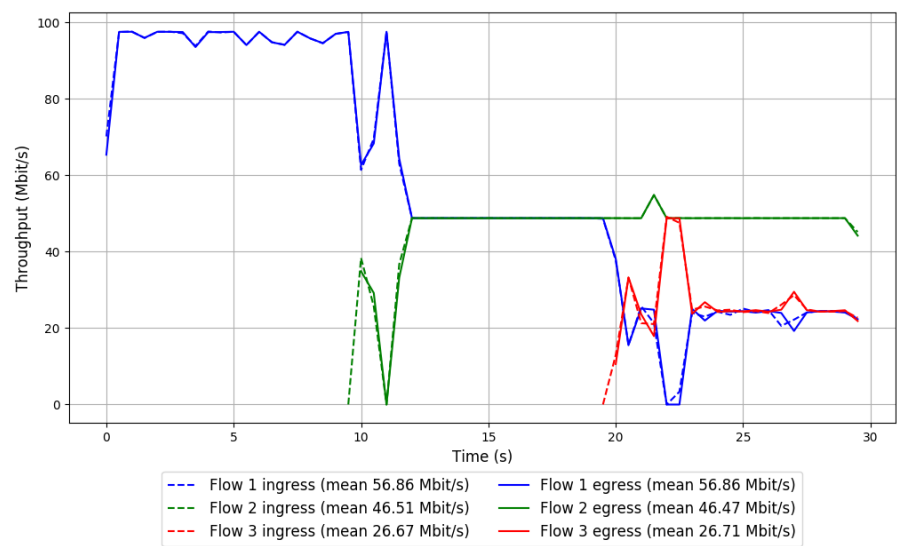


Run 1: Statistics of Verus

Start at: 2018-03-13 14:06:48
End at: 2018-03-13 14:07:18
Local clock offset: 3.94 ms
Remote clock offset: -4.879 ms

Below is generated by plot.py at 2018-03-13 21:28:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 58.347 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 57.966 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.47 Mbit/s
95th percentile per-packet one-way delay: 36.231 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 58.758 ms
Loss rate: 0.63%

Run 1: Report of Verus — Data Link

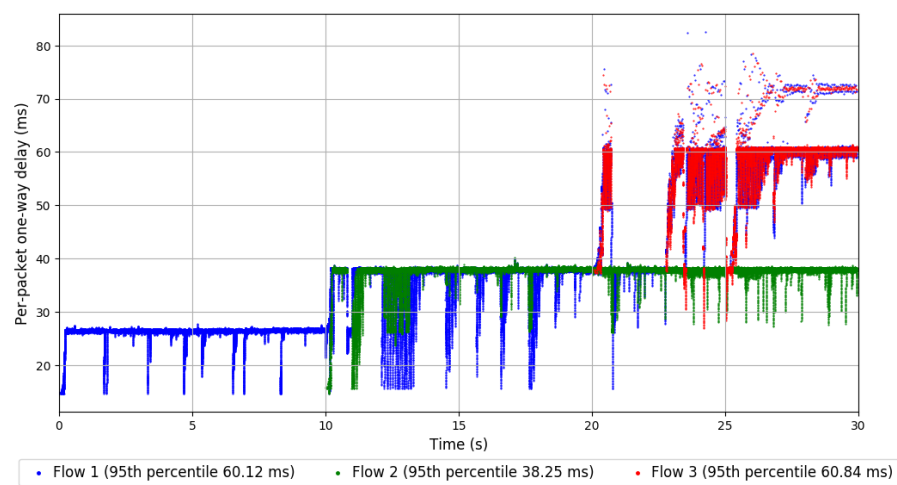
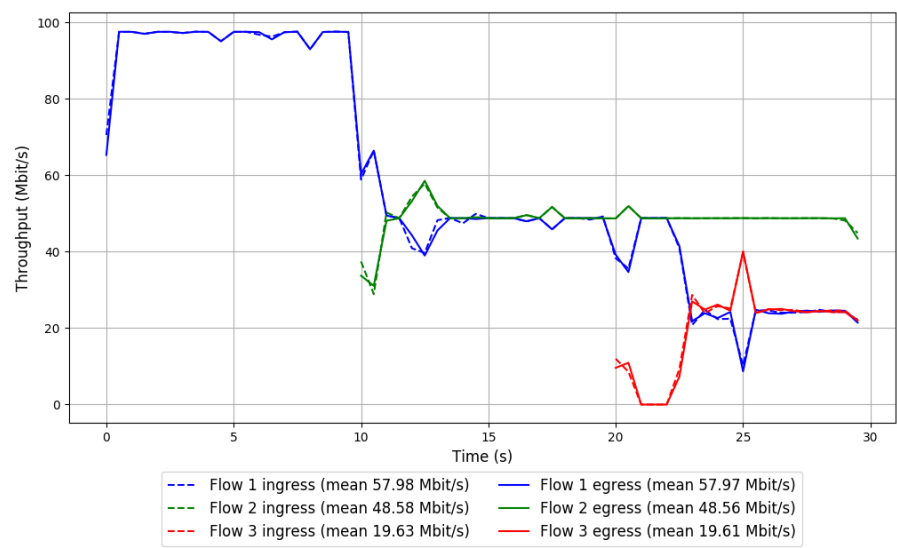


Run 2: Statistics of Verus

Start at: 2018-03-13 14:28:13
End at: 2018-03-13 14:28:43
Local clock offset: 6.069 ms
Remote clock offset: -5.345 ms

Below is generated by plot.py at 2018-03-13 21:28:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 60.431 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 60.118 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 38.254 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 60.835 ms
Loss rate: 0.87%

Run 2: Report of Verus — Data Link

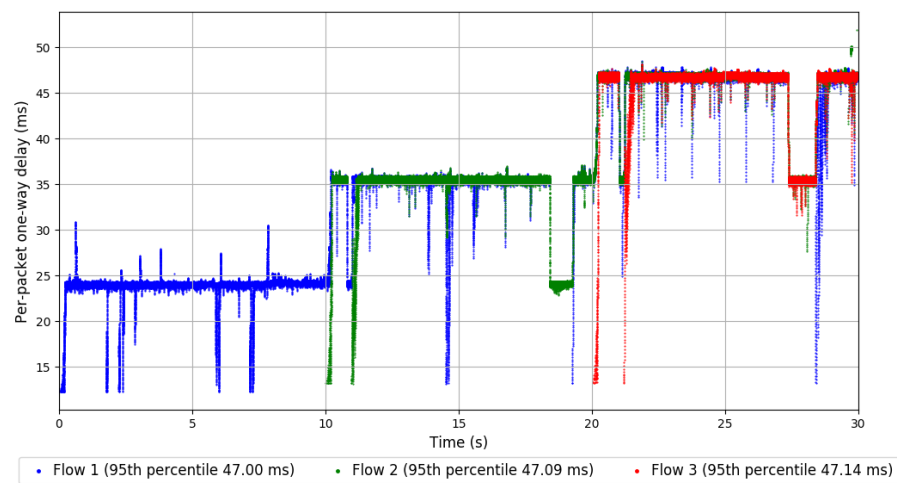
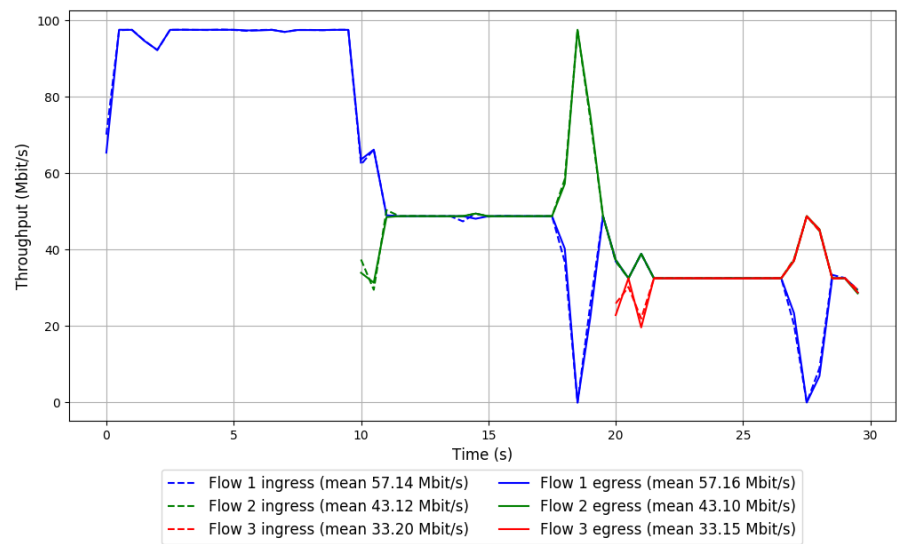


Run 3: Statistics of Verus

Start at: 2018-03-13 14:49:39
End at: 2018-03-13 14:50:09
Local clock offset: 3.354 ms
Remote clock offset: -4.628 ms

Below is generated by plot.py at 2018-03-13 21:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 47.064 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 46.997 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 47.087 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 47.142 ms
Loss rate: 0.57%

Run 3: Report of Verus — Data Link

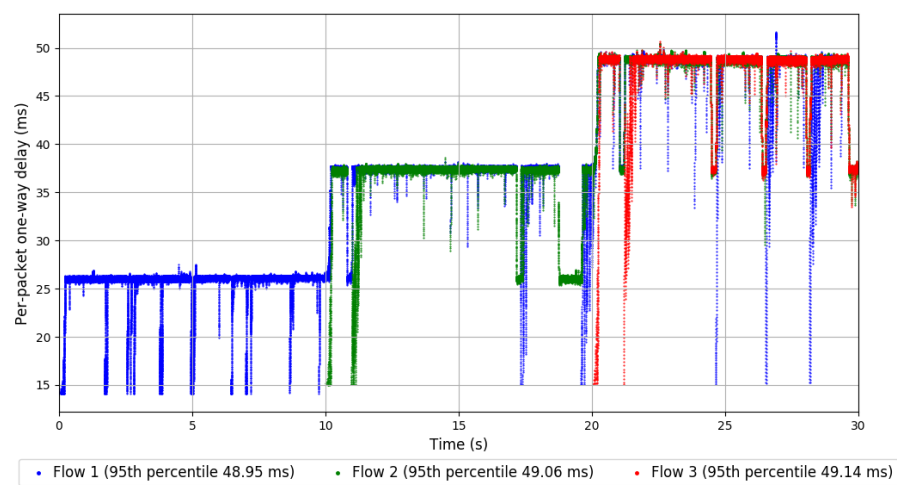
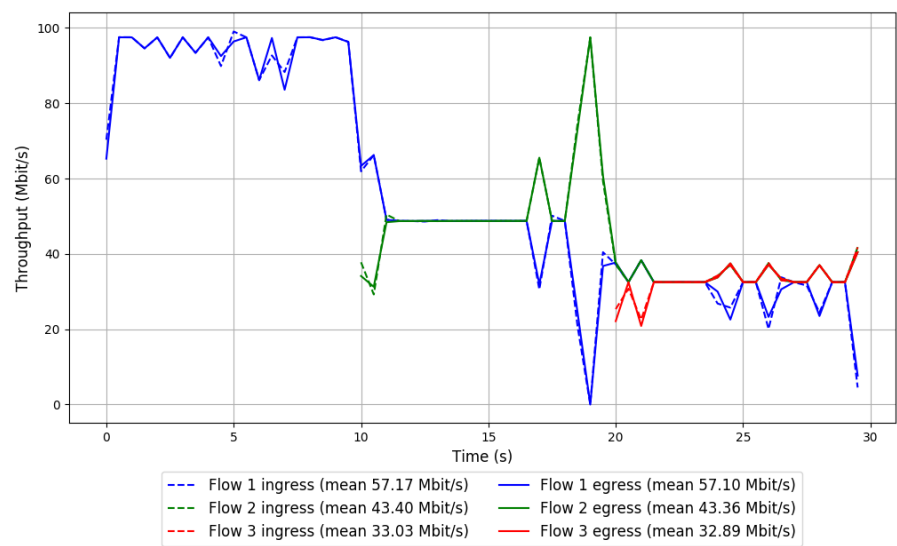


Run 4: Statistics of Verus

Start at: 2018-03-13 15:10:49
End at: 2018-03-13 15:11:19
Local clock offset: 4.414 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-03-13 21:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 49.057 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 48.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 49.063 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 49.141 ms
Loss rate: 0.68%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-13 15:32:13

End at: 2018-03-13 15:32:43

Local clock offset: 2.365 ms

Remote clock offset: 1.64 ms

Below is generated by plot.py at 2018-03-13 21:28:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 58.971 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 36.635 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 59.140 ms

Loss rate: 0.21%

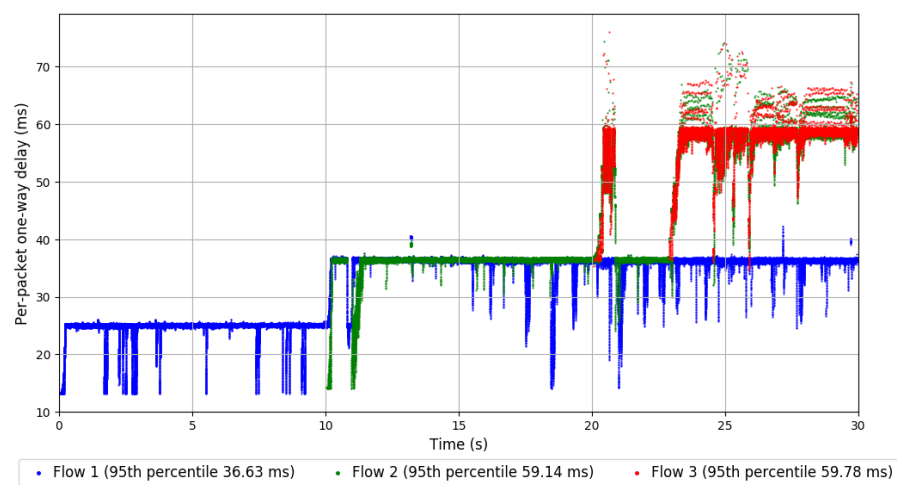
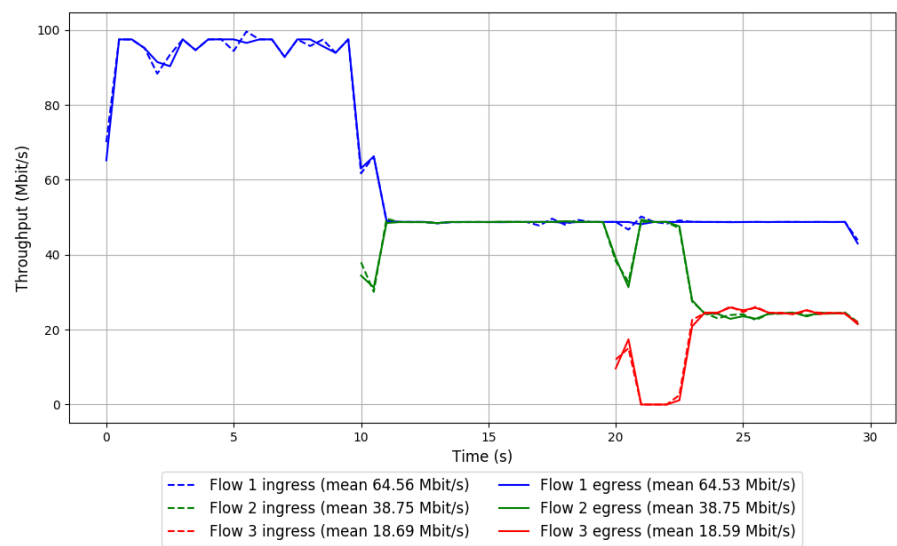
-- Flow 3:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 59.781 ms

Loss rate: 0.91%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-13 15:53:27

End at: 2018-03-13 15:53:57

Local clock offset: 5.146 ms

Remote clock offset: 2.262 ms

Below is generated by plot.py at 2018-03-13 21:29:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.80 Mbit/s

95th percentile per-packet one-way delay: 60.675 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 60.579 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 60.824 ms

Loss rate: 0.33%

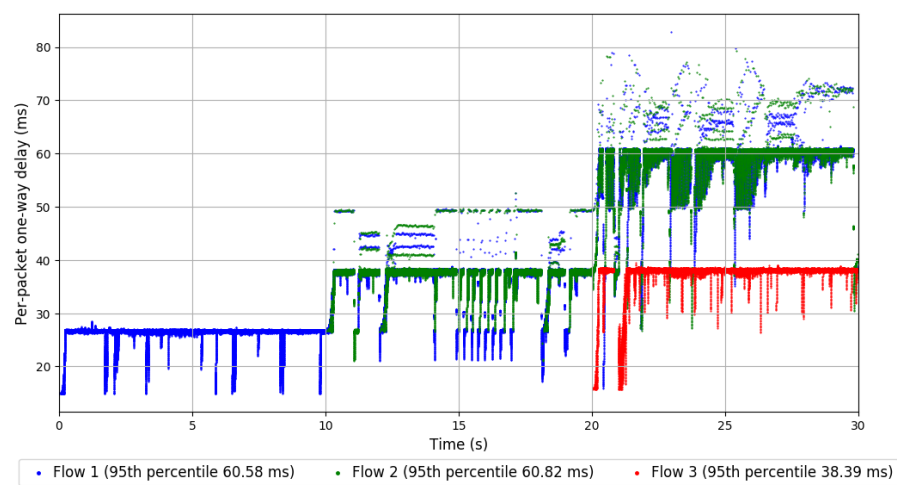
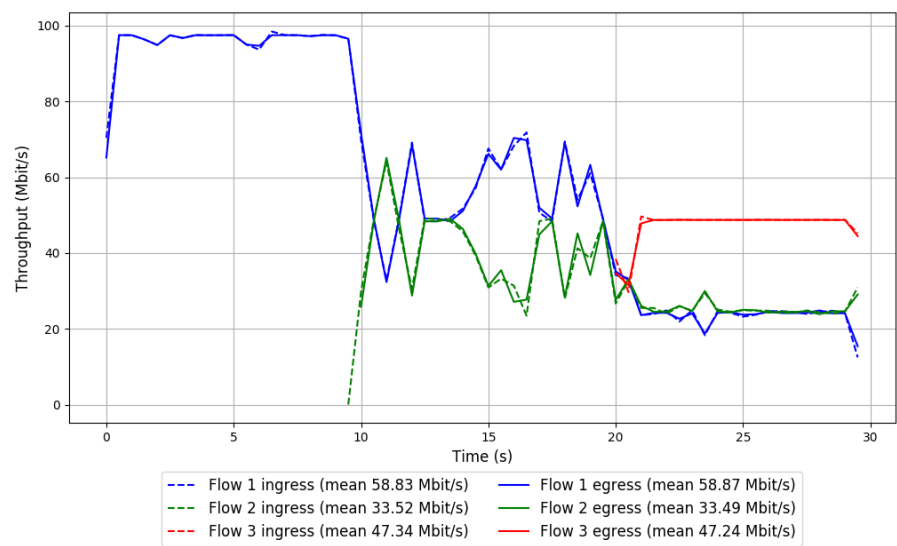
-- Flow 3:

Average throughput: 47.24 Mbit/s

95th percentile per-packet one-way delay: 38.392 ms

Loss rate: 0.47%

Run 6: Report of Verus — Data Link

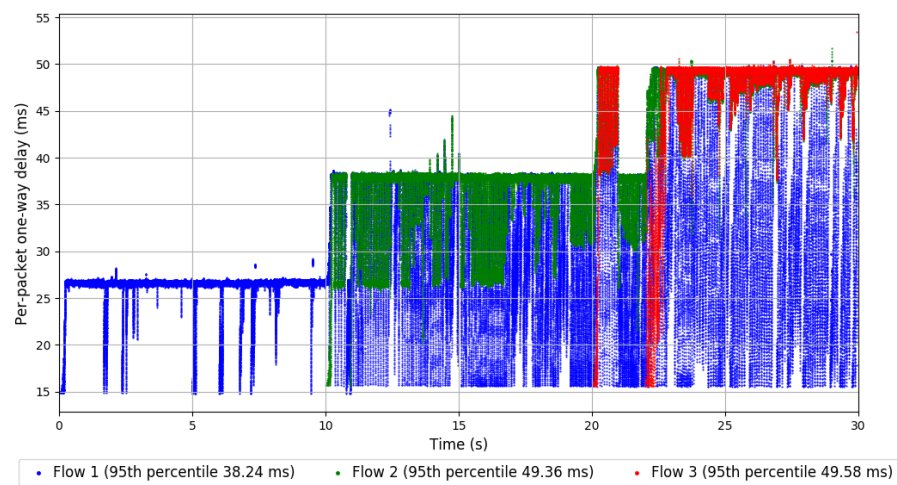
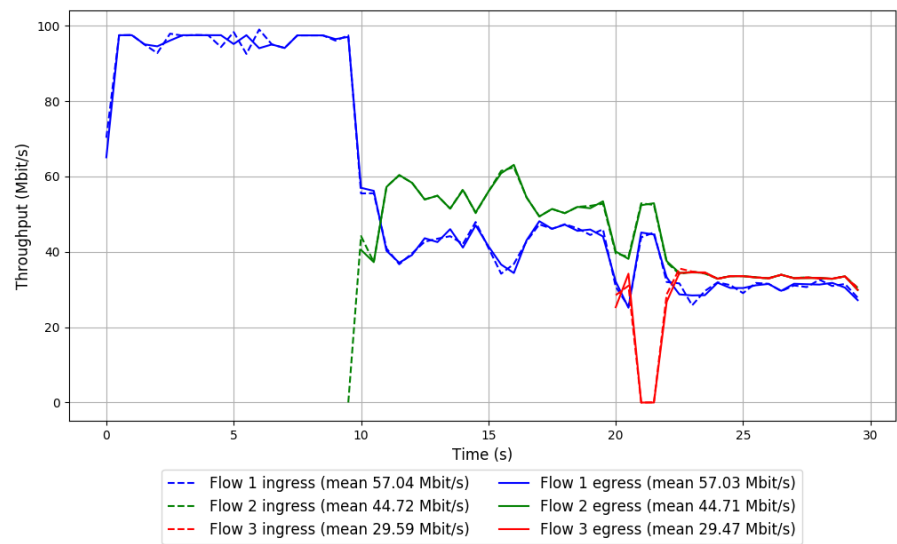


Run 7: Statistics of Verus

Start at: 2018-03-13 16:14:31
End at: 2018-03-13 16:15:01
Local clock offset: 6.515 ms
Remote clock offset: -2.488 ms

Below is generated by plot.py at 2018-03-13 21:29:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 49.371 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 38.245 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 49.362 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 49.577 ms
Loss rate: 0.64%

Run 7: Report of Verus — Data Link

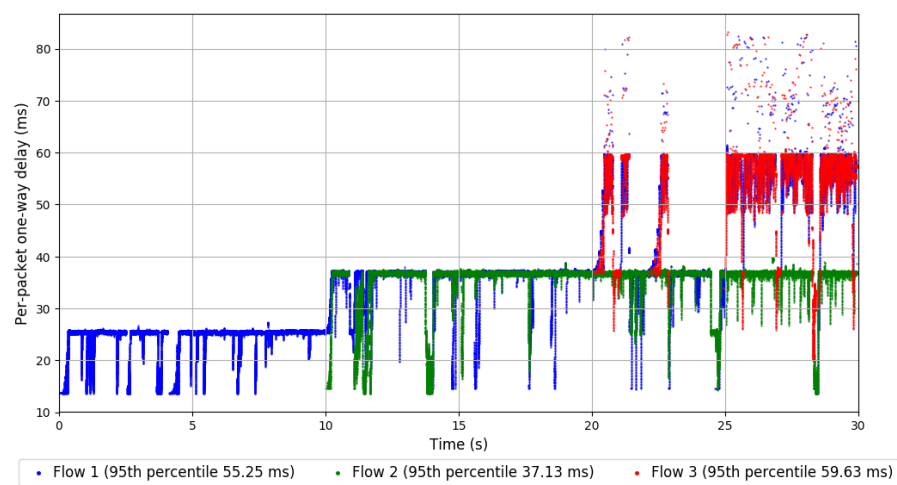
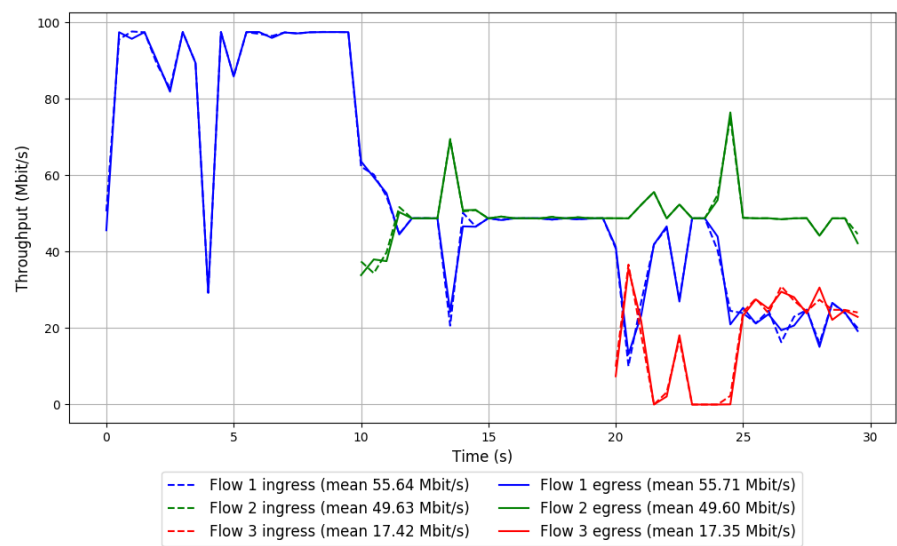


Run 8: Statistics of Verus

Start at: 2018-03-13 16:35:46
End at: 2018-03-13 16:36:16
Local clock offset: 3.628 ms
Remote clock offset: -7.775 ms

Below is generated by plot.py at 2018-03-13 21:29:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 56.453 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 55.246 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 37.129 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 59.628 ms
Loss rate: 1.13%

Run 8: Report of Verus — Data Link

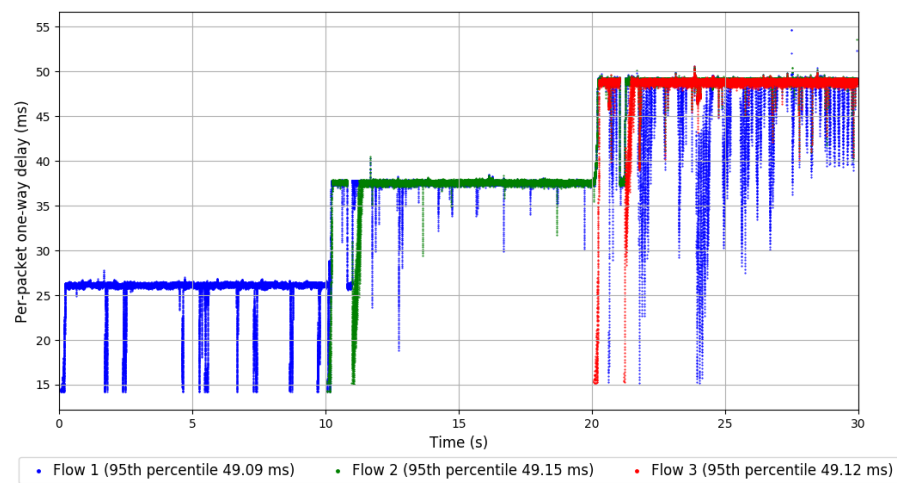
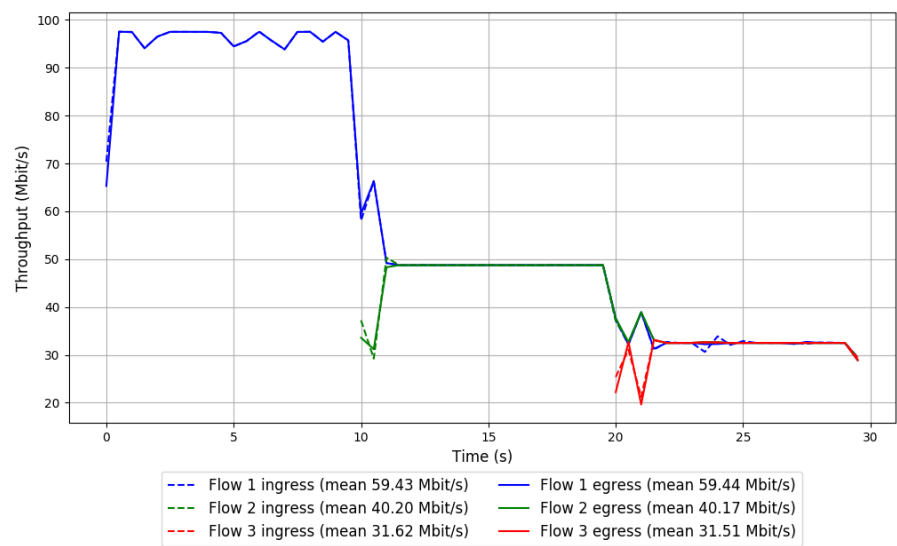


Run 9: Statistics of Verus

Start at: 2018-03-13 16:56:53
End at: 2018-03-13 16:57:23
Local clock offset: 1.24 ms
Remote clock offset: -1.684 ms

Below is generated by plot.py at 2018-03-13 21:29:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 49.122 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 49.089 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 49.147 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 49.115 ms
Loss rate: 0.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-13 17:17:55

End at: 2018-03-13 17:18:25

Local clock offset: 5.283 ms

Remote clock offset: 2.494 ms

Below is generated by plot.py at 2018-03-13 21:29:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 48.603 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 48.563 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 48.650 ms

Loss rate: 0.23%

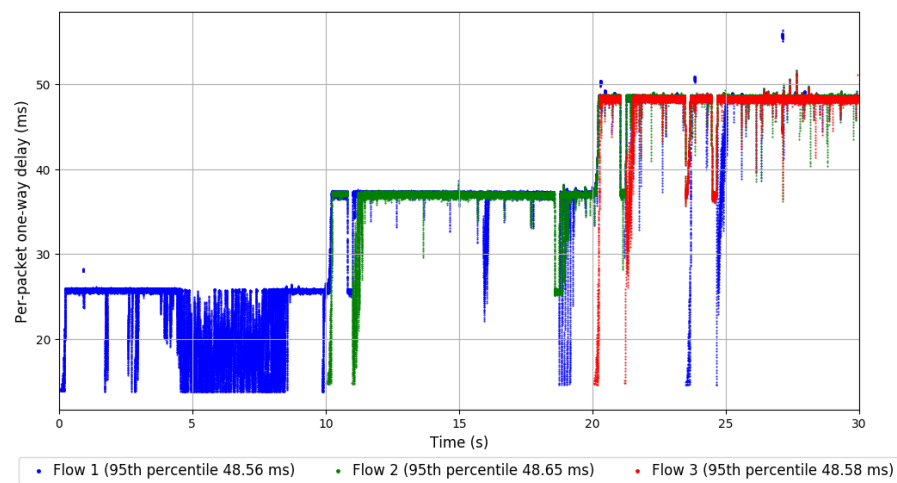
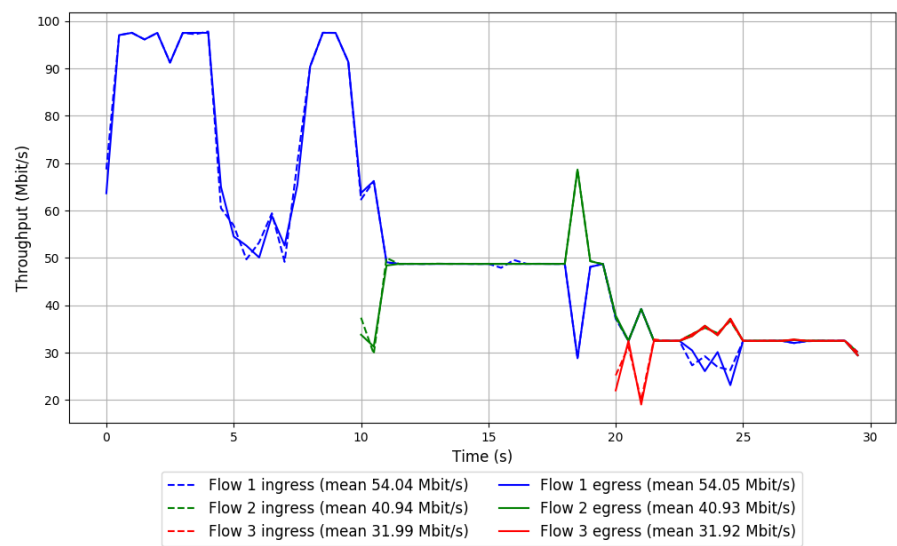
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 48.579 ms

Loss rate: 0.59%

Run 10: Report of Verus — Data Link

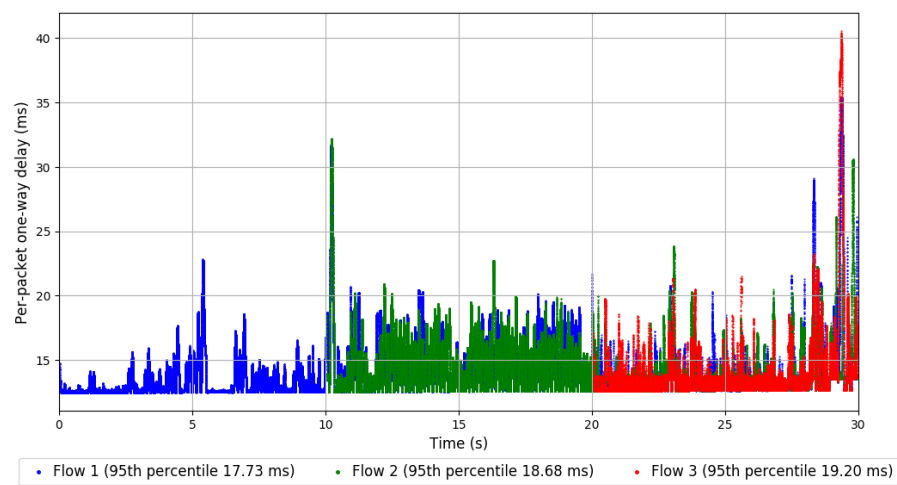
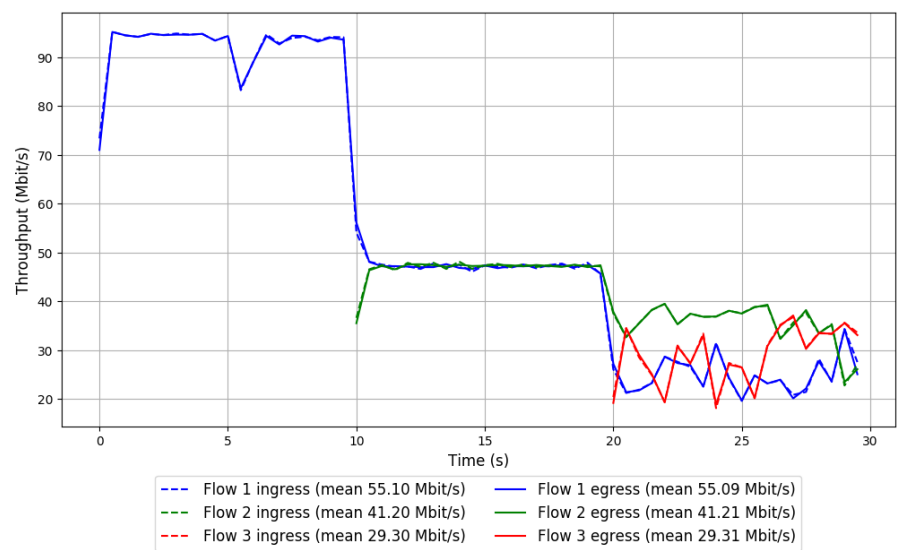


Run 1: Statistics of Copa

Start at: 2018-03-13 14:04:16
End at: 2018-03-13 14:04:46
Local clock offset: 3.598 ms
Remote clock offset: -5.638 ms

Below is generated by plot.py at 2018-03-13 21:31:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 18.173 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 17.732 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 18.680 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.26%

Run 1: Report of Copa — Data Link

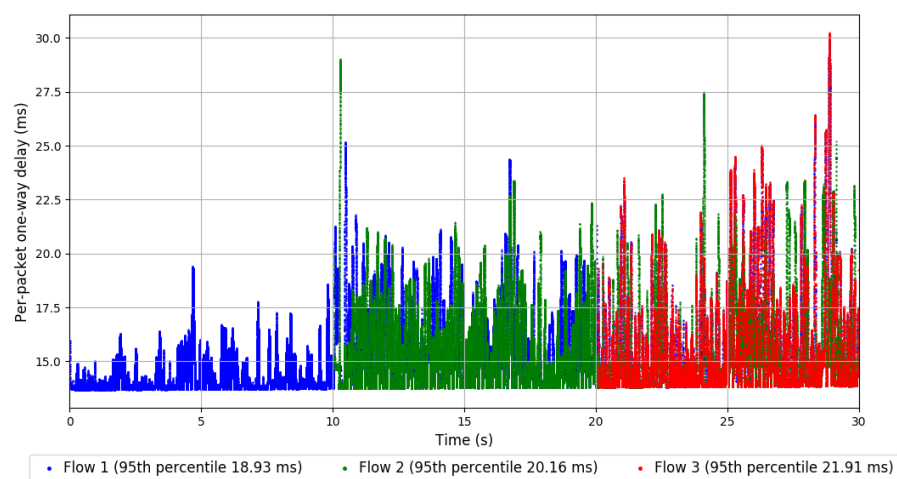
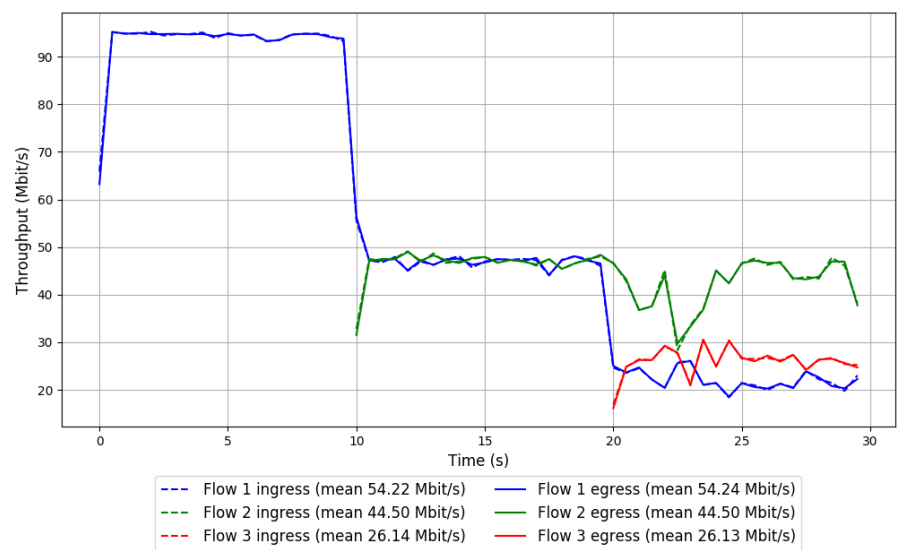


Run 2: Statistics of Copa

Start at: 2018-03-13 14:25:46
End at: 2018-03-13 14:26:16
Local clock offset: 6.106 ms
Remote clock offset: -5.019 ms

Below is generated by plot.py at 2018-03-13 21:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 19.609 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 20.156 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 21.911 ms
Loss rate: 0.26%

Run 2: Report of Copa — Data Link

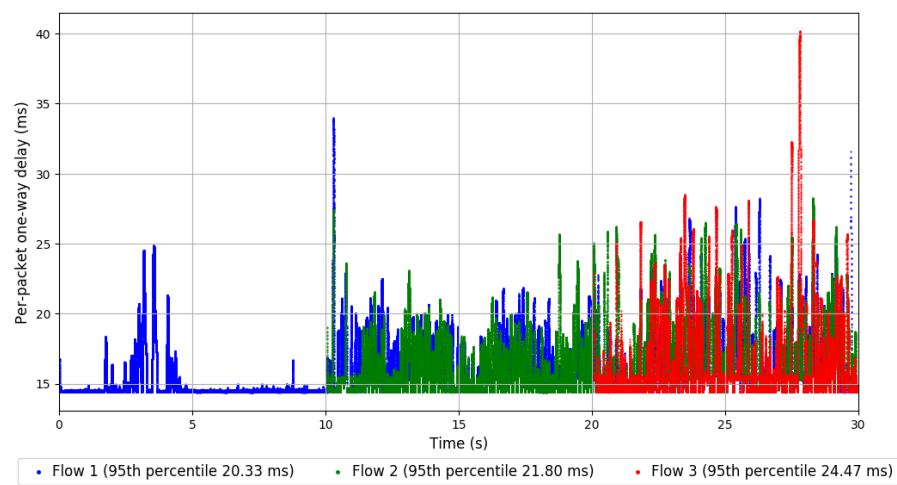
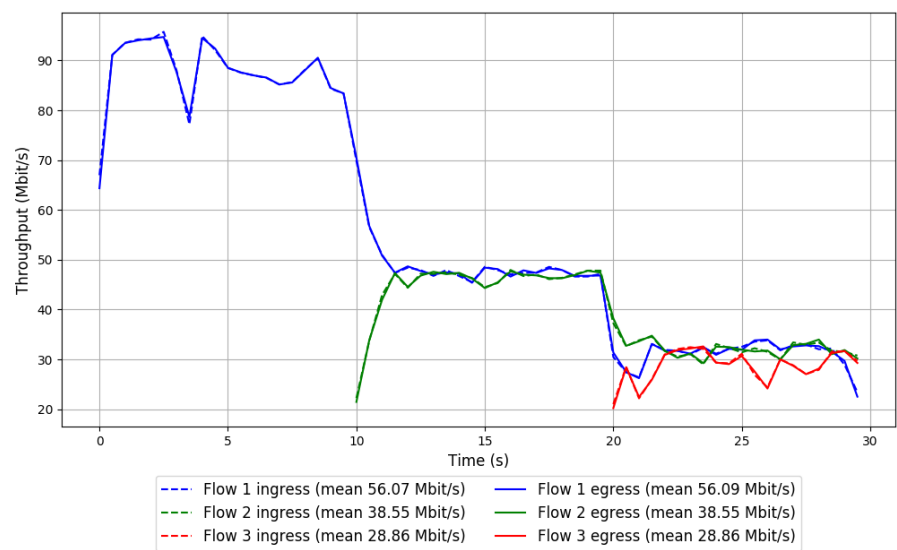


Run 3: Statistics of Copa

Start at: 2018-03-13 14:47:11
End at: 2018-03-13 14:47:41
Local clock offset: 5.883 ms
Remote clock offset: -4.211 ms

Below is generated by plot.py at 2018-03-13 21:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 21.167 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 21.798 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 24.474 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link

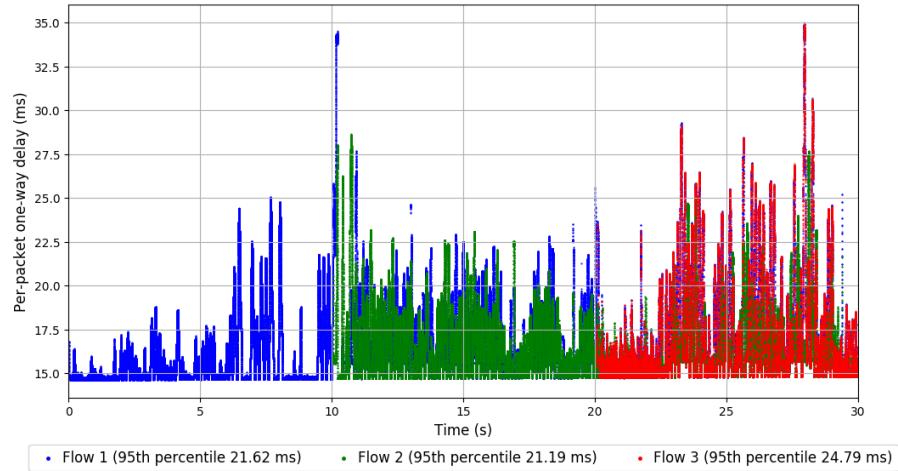
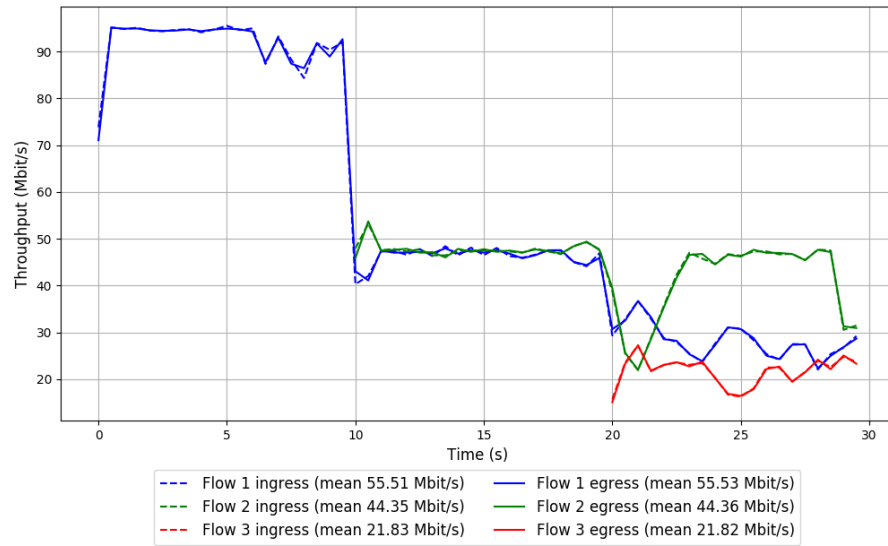


Run 4: Statistics of Copa

Start at: 2018-03-13 15:08:26
End at: 2018-03-13 15:08:56
Local clock offset: 4.312 ms
Remote clock offset: -1.472 ms

```
# Below is generated by plot.py at 2018-03-13 21:31:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 21.792 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 21.618 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 21.186 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 24.793 ms
Loss rate: 0.27%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-13 15:29:46

End at: 2018-03-13 15:30:16

Local clock offset: 2.444 ms

Remote clock offset: 1.484 ms

Below is generated by plot.py at 2018-03-13 21:31:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.62 Mbit/s

95th percentile per-packet one-way delay: 21.999 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 21.301 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 23.407 ms

Loss rate: 0.07%

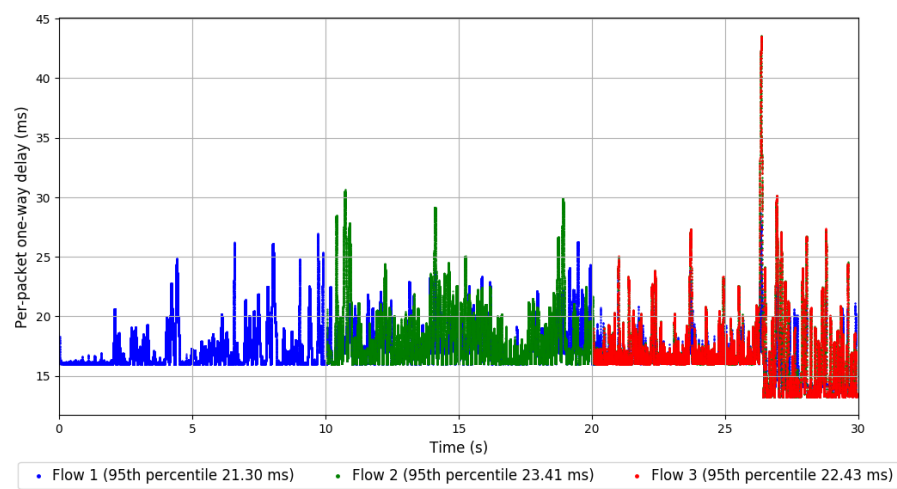
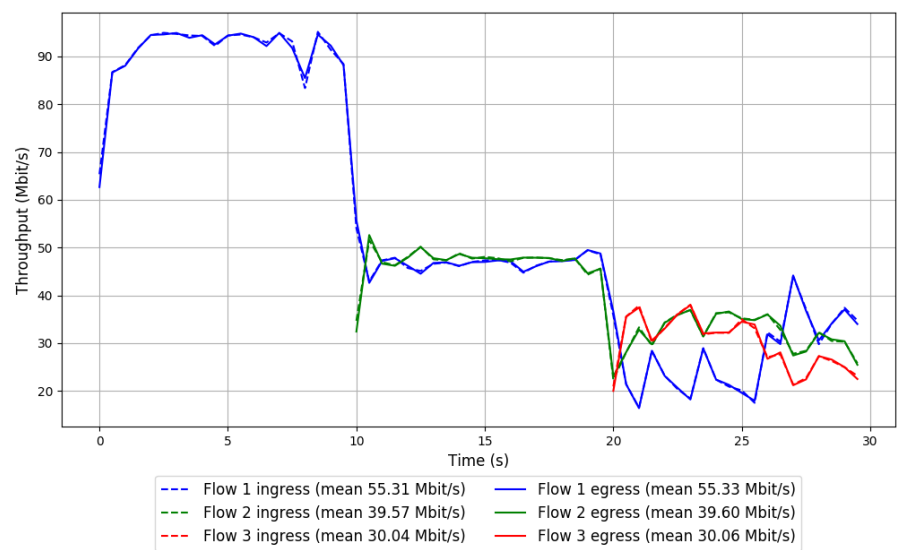
-- Flow 3:

Average throughput: 30.06 Mbit/s

95th percentile per-packet one-way delay: 22.428 ms

Loss rate: 0.23%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-13 15:51:04

End at: 2018-03-13 15:51:34

Local clock offset: 4.904 ms

Remote clock offset: 2.906 ms

Below is generated by plot.py at 2018-03-13 21:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 20.471 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 20.136 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 20.780 ms

Loss rate: 0.12%

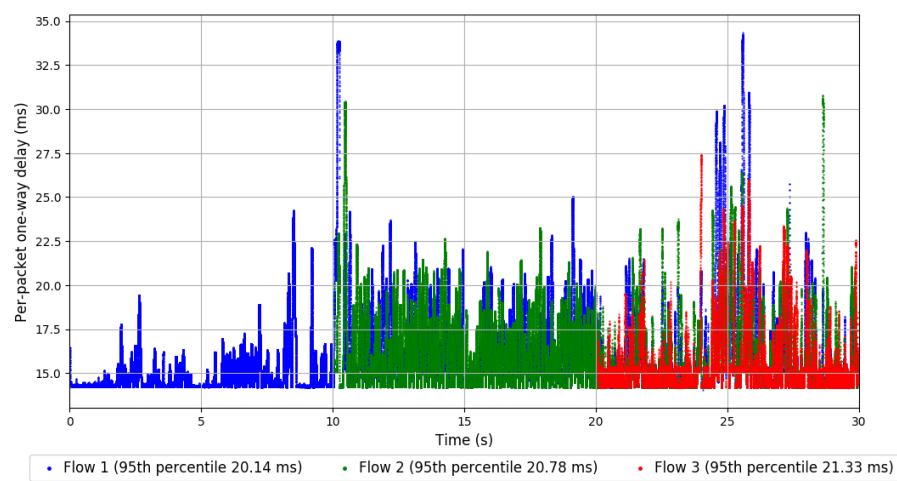
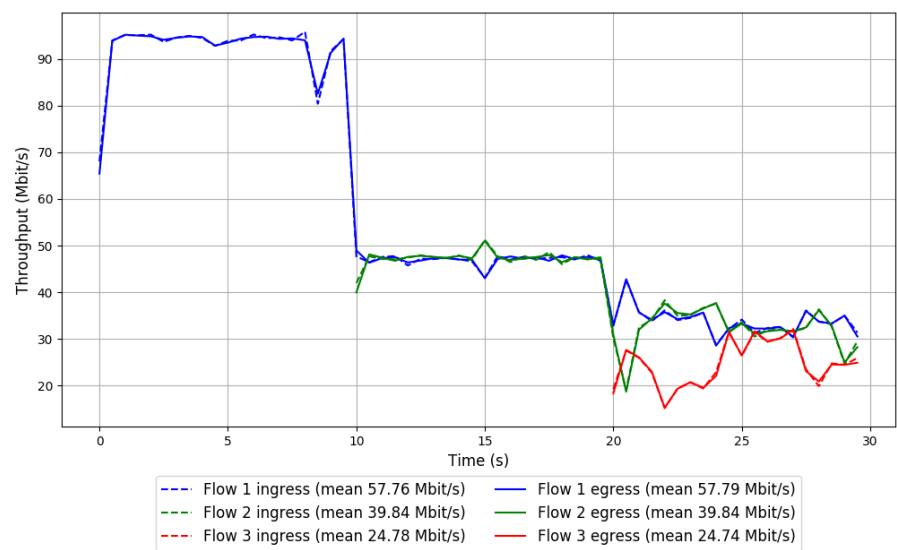
-- Flow 3:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 21.326 ms

Loss rate: 0.36%

Run 6: Report of Copa — Data Link

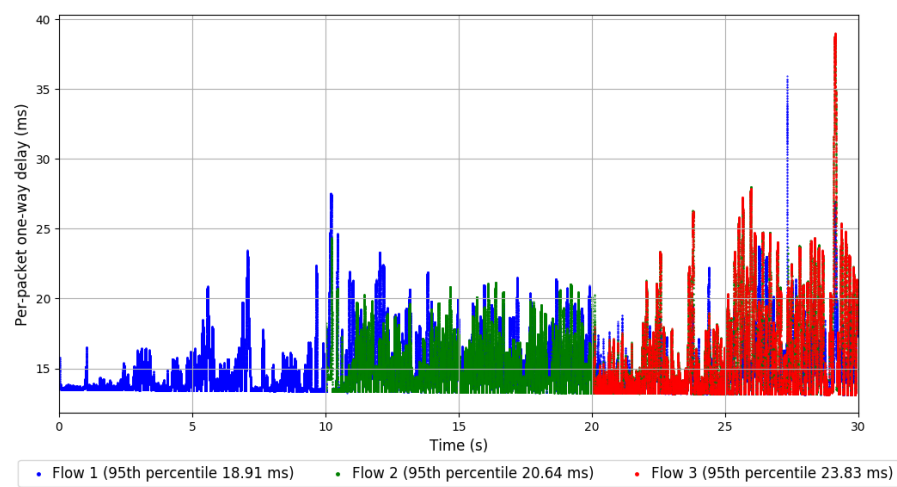
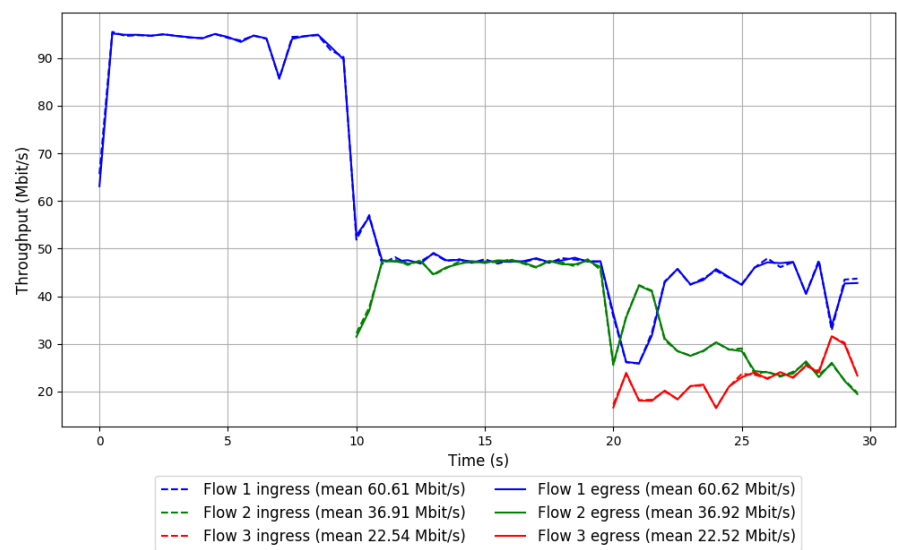


Run 7: Statistics of Copa

Start at: 2018-03-13 16:12:04
End at: 2018-03-13 16:12:34
Local clock offset: 5.431 ms
Remote clock offset: -0.602 ms

```
# Below is generated by plot.py at 2018-03-13 21:32:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 20.059 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 20.640 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 23.828 ms
Loss rate: 0.34%
```


Run 7: Report of Copa — Data Link

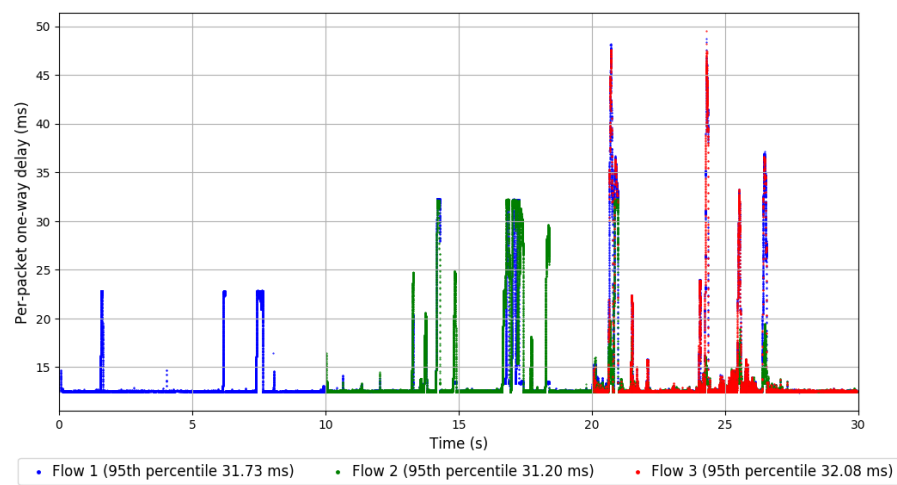
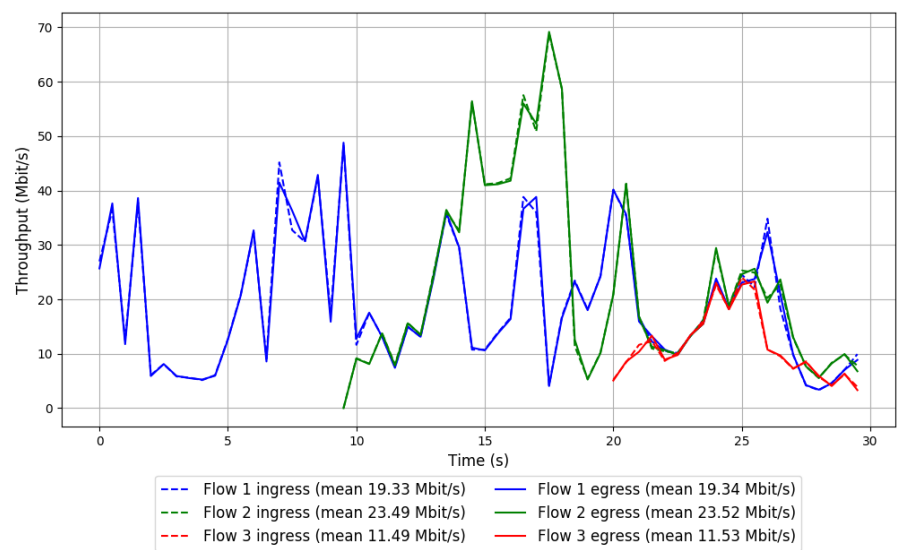


Run 8: Statistics of Copa

Start at: 2018-03-13 16:33:21
End at: 2018-03-13 16:33:51
Local clock offset: 2.108 ms
Remote clock offset: -8.041 ms

```
# Below is generated by plot.py at 2018-03-13 21:32:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 31.577 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 31.732 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 32.076 ms
Loss rate: 0.27%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-13 16:54:30

End at: 2018-03-13 16:55:00

Local clock offset: 2.075 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-03-13 21:33:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 20.229 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 19.474 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 22.213 ms

Loss rate: 0.15%

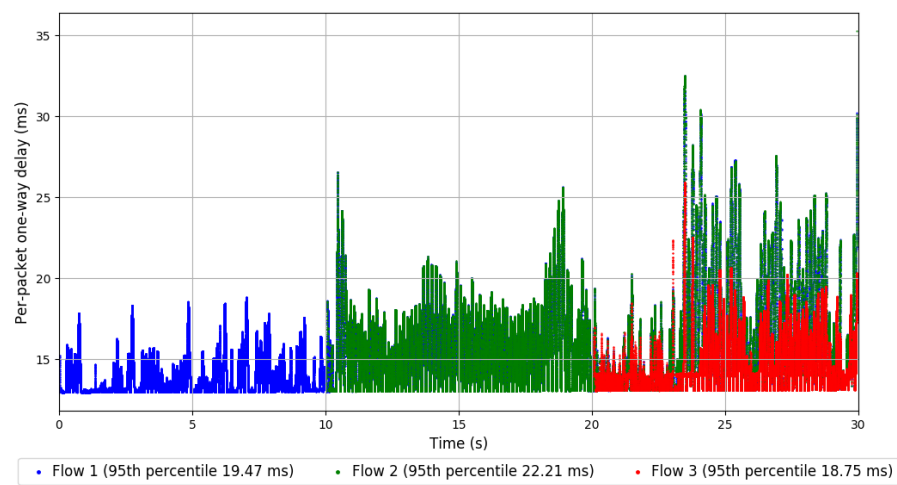
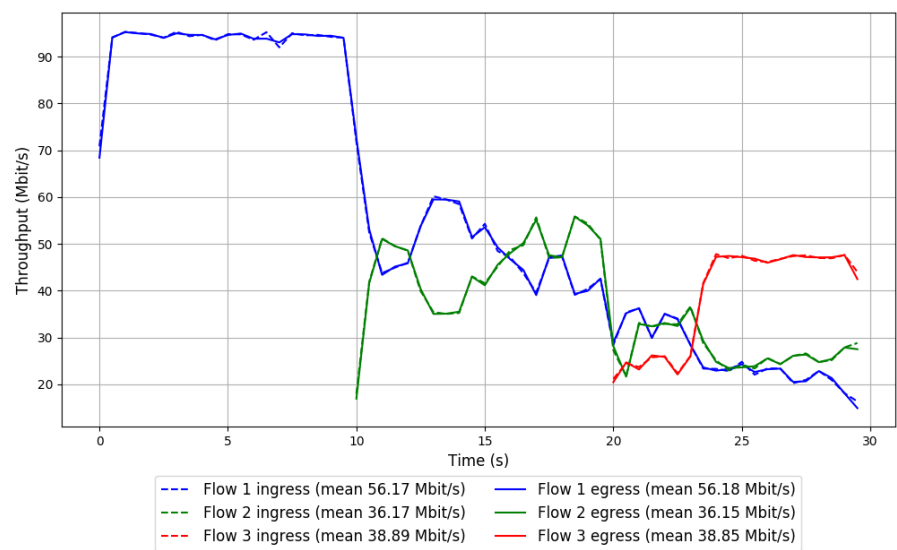
-- Flow 3:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 18.747 ms

Loss rate: 0.37%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-13 17:15:31

End at: 2018-03-13 17:16:01

Local clock offset: 6.013 ms

Remote clock offset: 3.322 ms

Below is generated by plot.py at 2018-03-13 21:33:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 19.980 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 19.509 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 36.67 Mbit/s

95th percentile per-packet one-way delay: 21.722 ms

Loss rate: 0.13%

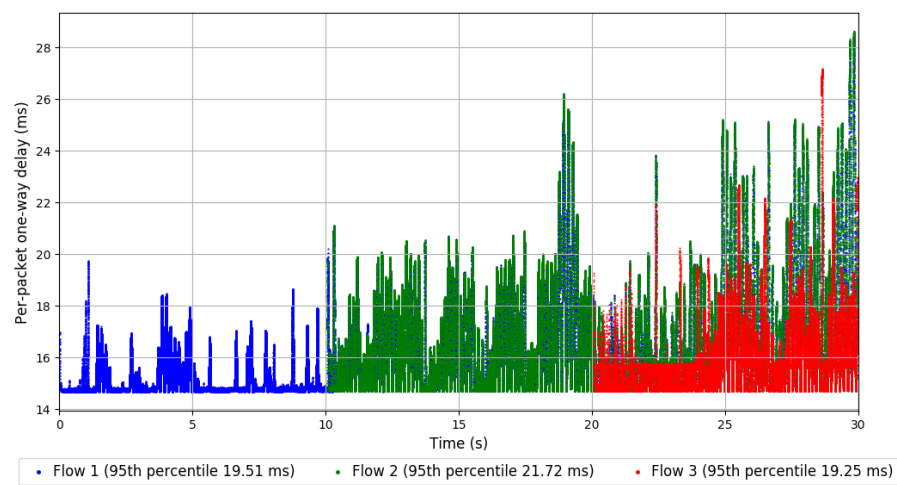
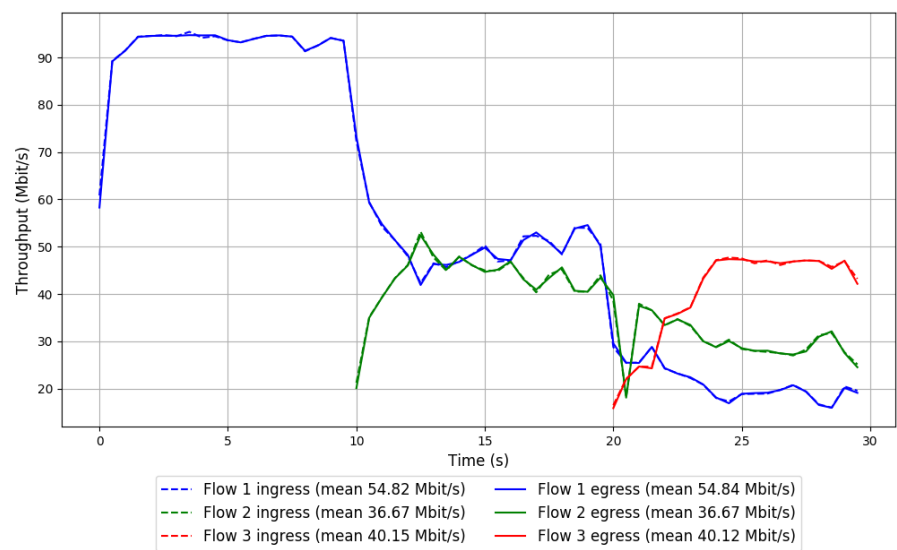
-- Flow 3:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.35%

Run 10: Report of Copa — Data Link

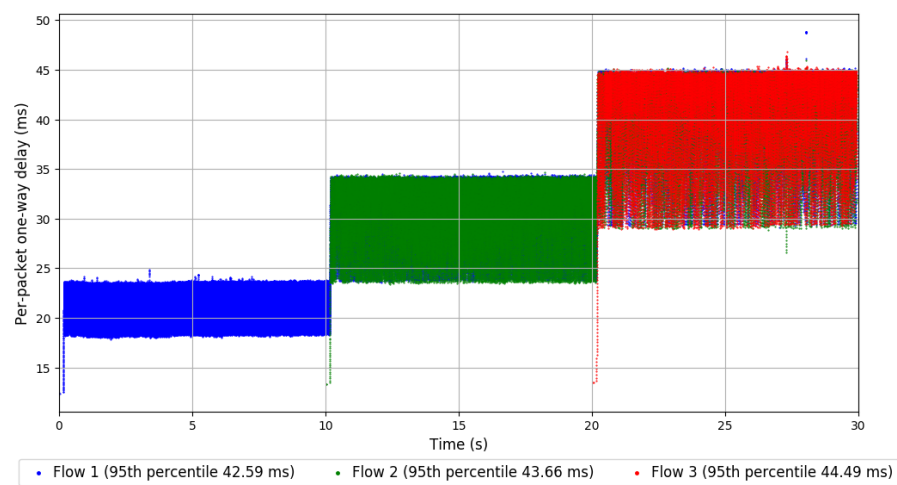
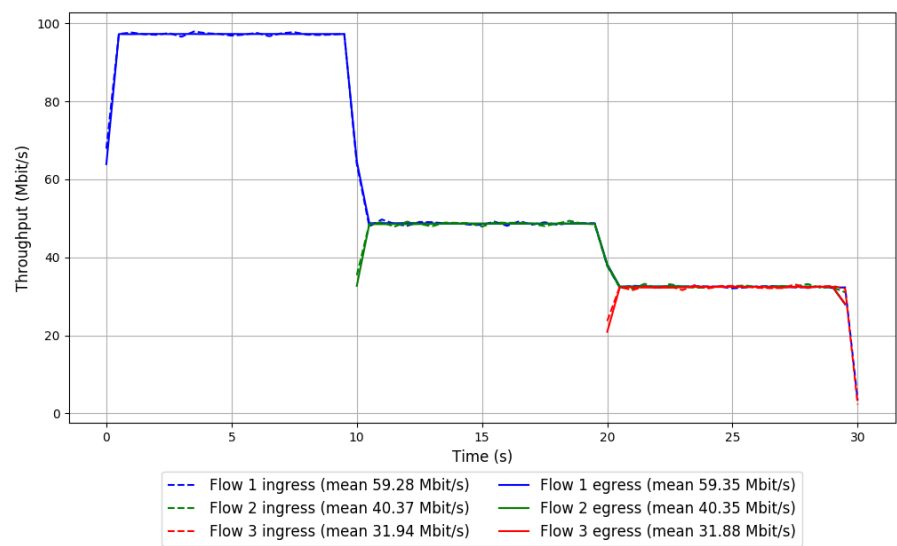


```
Run 1: Statistics of FillP

Start at: 2018-03-13 14:03:05
End at: 2018-03-13 14:03:35
Local clock offset: 3.861 ms
Remote clock offset: -5.845 ms

# Below is generated by plot.py at 2018-03-13 21:33:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 43.600 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 42.588 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 43.658 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 44.490 ms
Loss rate: 1.41%
```


Run 1: Report of FillP — Data Link

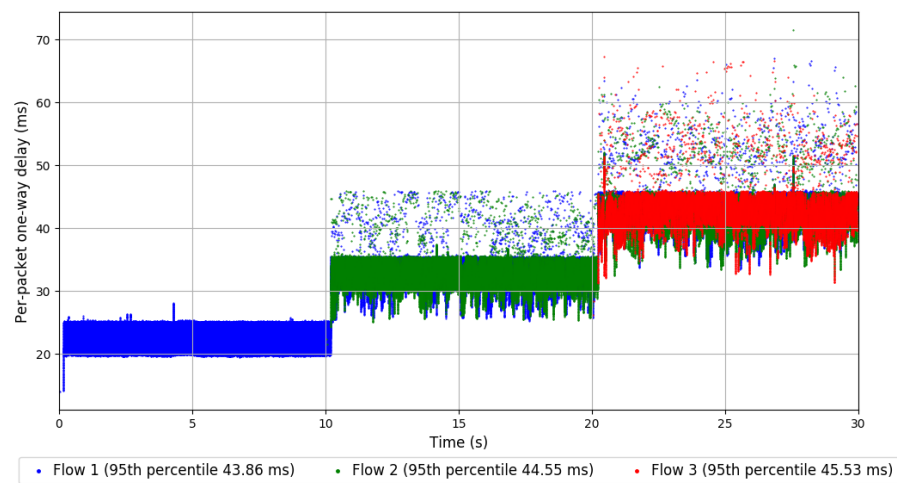
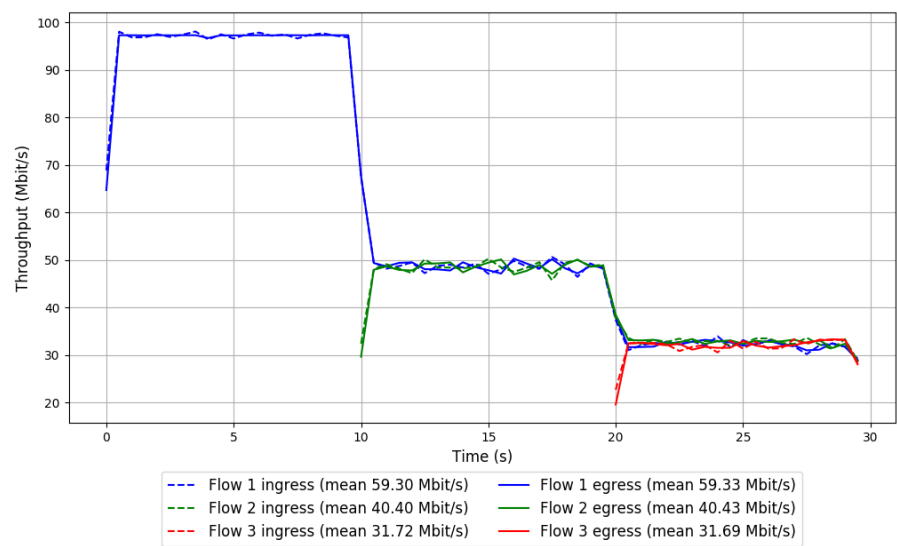


Run 2: Statistics of FillP

Start at: 2018-03-13 14:24:37
End at: 2018-03-13 14:25:07
Local clock offset: 5.983 ms
Remote clock offset: -5.598 ms

Below is generated by plot.py at 2018-03-13 21:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 44.604 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 43.859 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 44.549 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 45.526 ms
Loss rate: 0.52%

Run 2: Report of FillP — Data Link

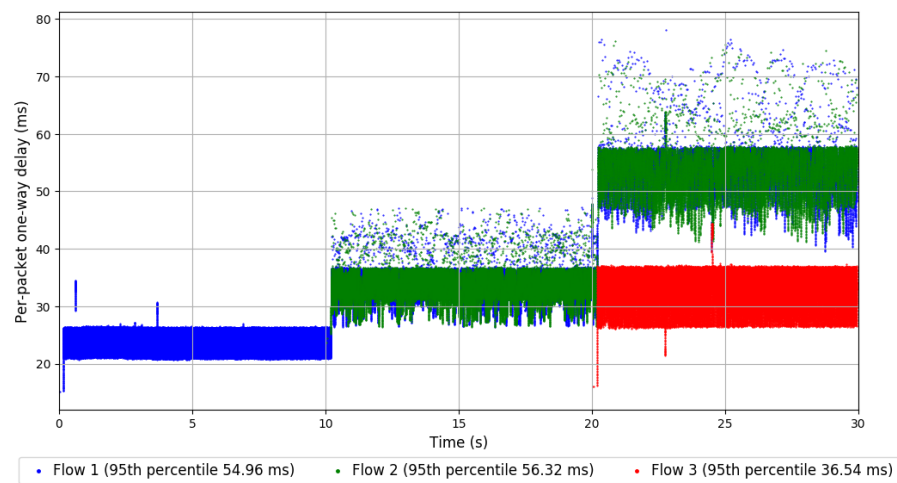
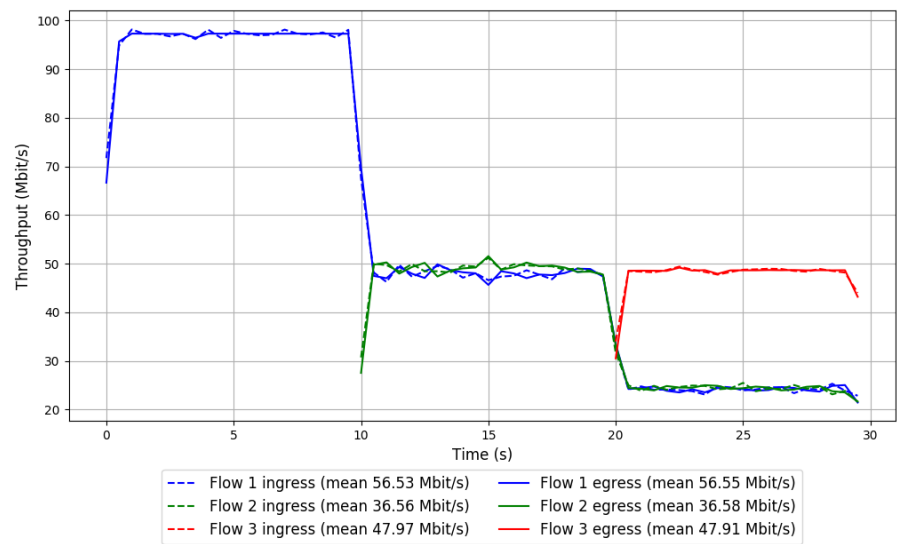


Run 3: Statistics of FillP

Start at: 2018-03-13 14:46:01
End at: 2018-03-13 14:46:31
Local clock offset: 6.157 ms
Remote clock offset: -4.735 ms

Below is generated by plot.py at 2018-03-13 21:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 55.209 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 54.964 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 56.318 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 36.540 ms
Loss rate: 0.37%

Run 3: Report of FillP — Data Link

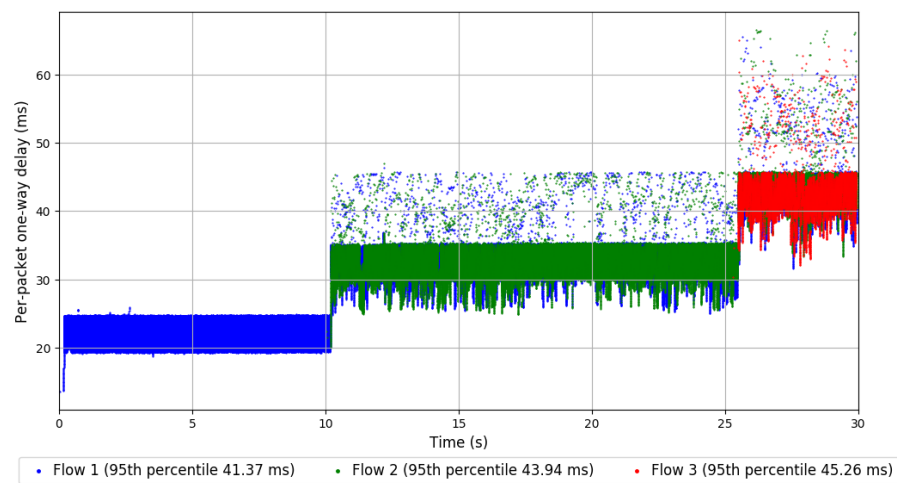
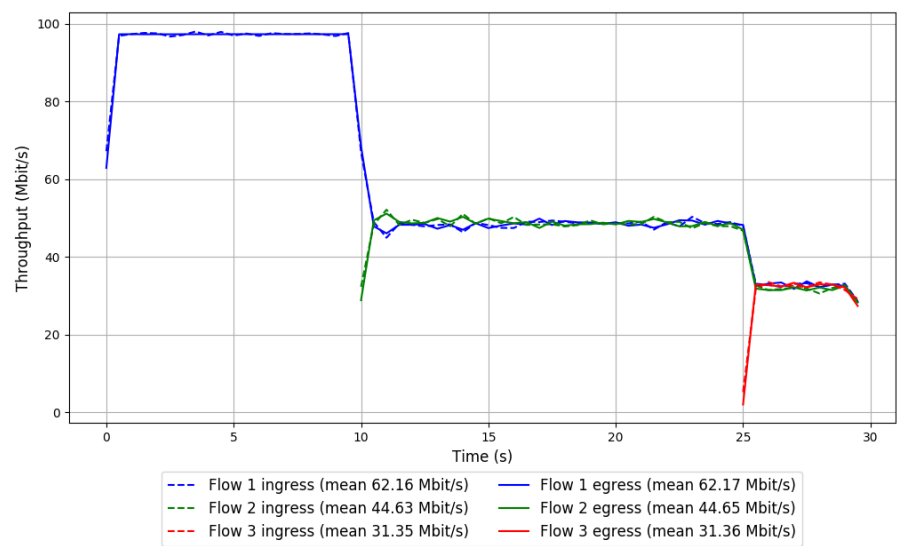


Run 4: Statistics of FillP

Start at: 2018-03-13 15:07:17
End at: 2018-03-13 15:07:47
Local clock offset: 4.196 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2018-03-13 21:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 43.395 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 41.372 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 43.941 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 45.260 ms
Loss rate: 1.30%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-13 15:28:35

End at: 2018-03-13 15:29:05

Local clock offset: 2.389 ms

Remote clock offset: 2.116 ms

Below is generated by plot.py at 2018-03-13 21:33:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 46.188 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 59.38 Mbit/s

95th percentile per-packet one-way delay: 45.024 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 46.293 ms

Loss rate: 0.17%

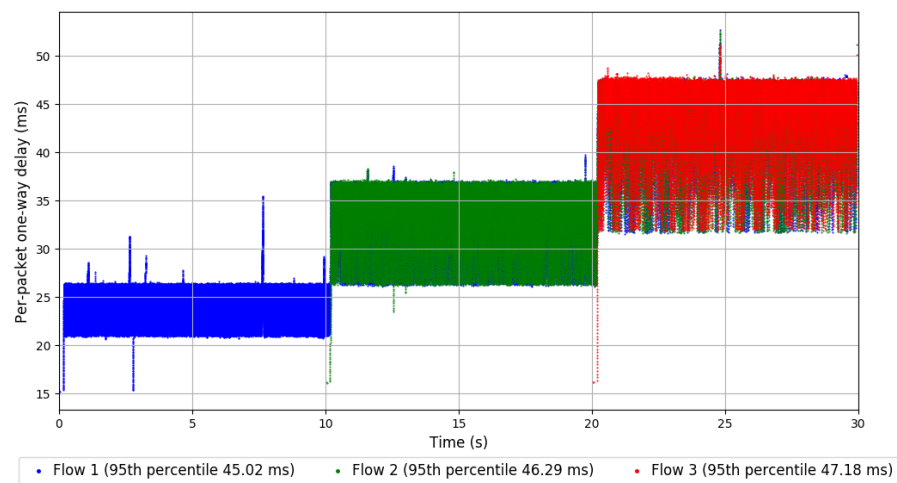
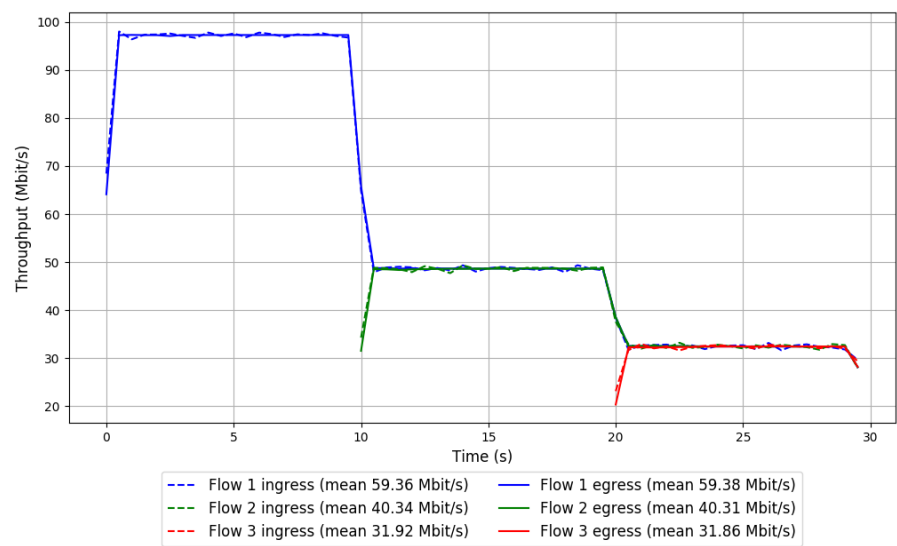
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 47.179 ms

Loss rate: 0.53%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-13 15:49:55

End at: 2018-03-13 15:50:25

Local clock offset: 2.306 ms

Remote clock offset: 0.991 ms

Below is generated by plot.py at 2018-03-13 21:33:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.75 Mbit/s

95th percentile per-packet one-way delay: 53.548 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 52.902 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 54.879 ms

Loss rate: 0.18%

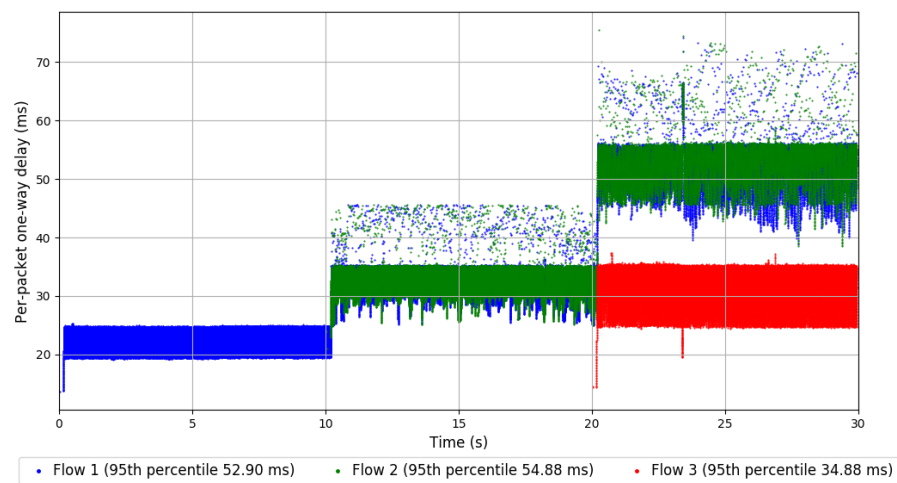
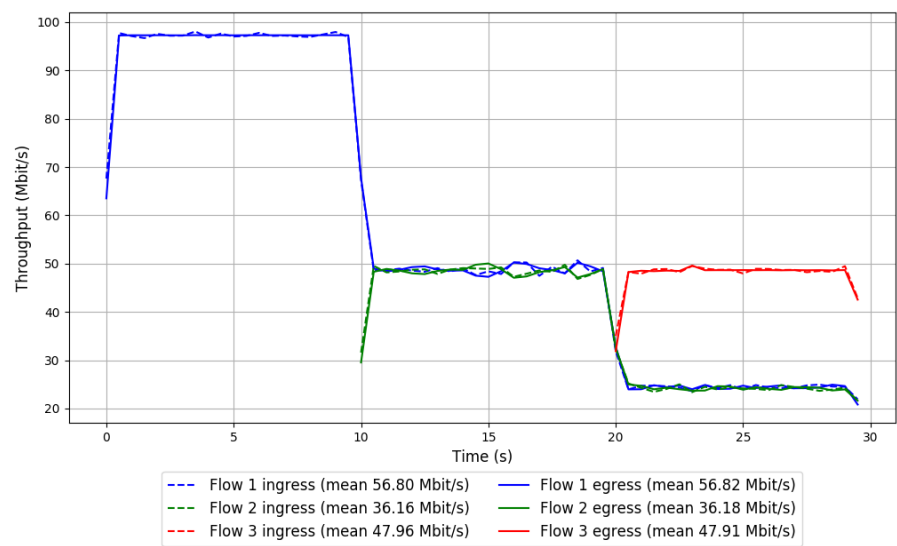
-- Flow 3:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 34.878 ms

Loss rate: 0.38%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-13 16:10:55

End at: 2018-03-13 16:11:25

Local clock offset: 5.953 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-03-13 21:34:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 44.799 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 59.33 Mbit/s

95th percentile per-packet one-way delay: 43.687 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 44.916 ms

Loss rate: 0.21%

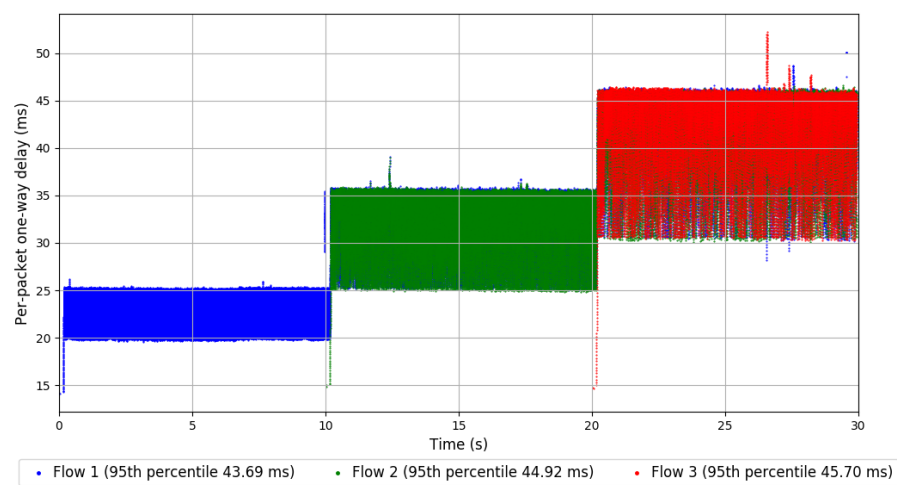
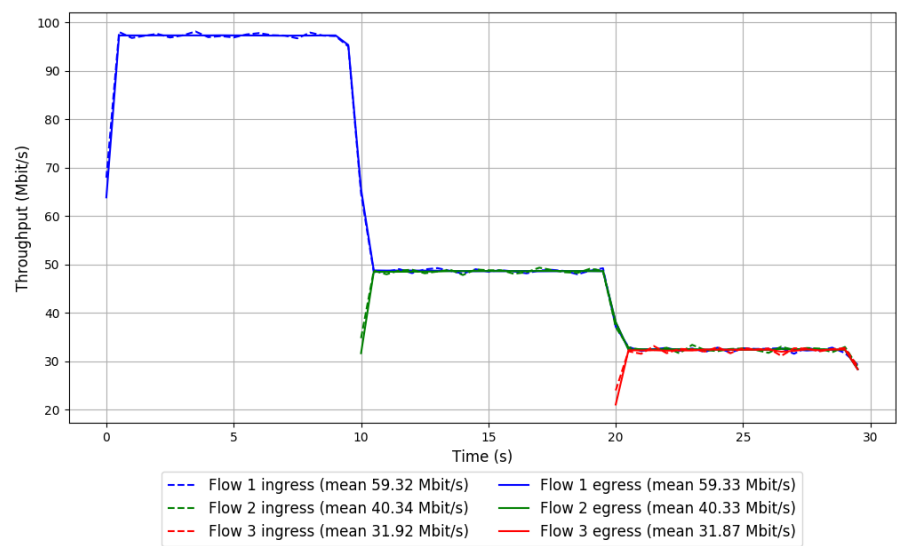
-- Flow 3:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 45.699 ms

Loss rate: 0.54%

Run 7: Report of FillP — Data Link

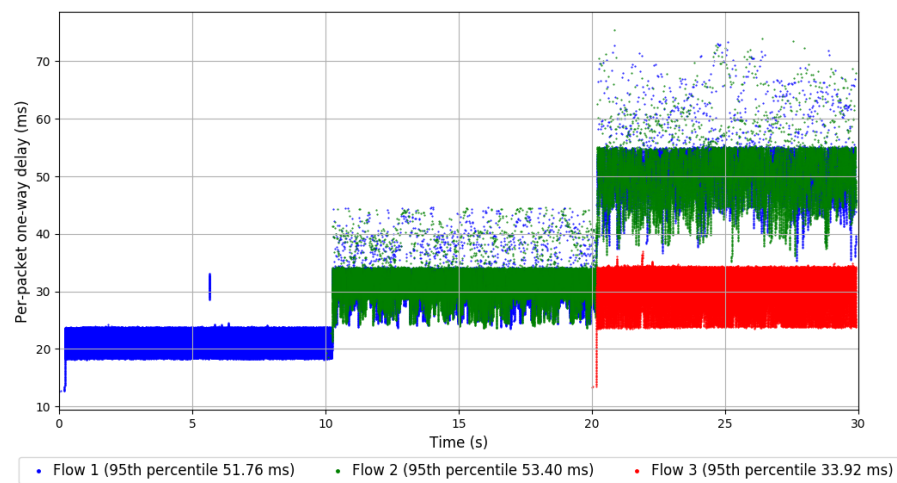
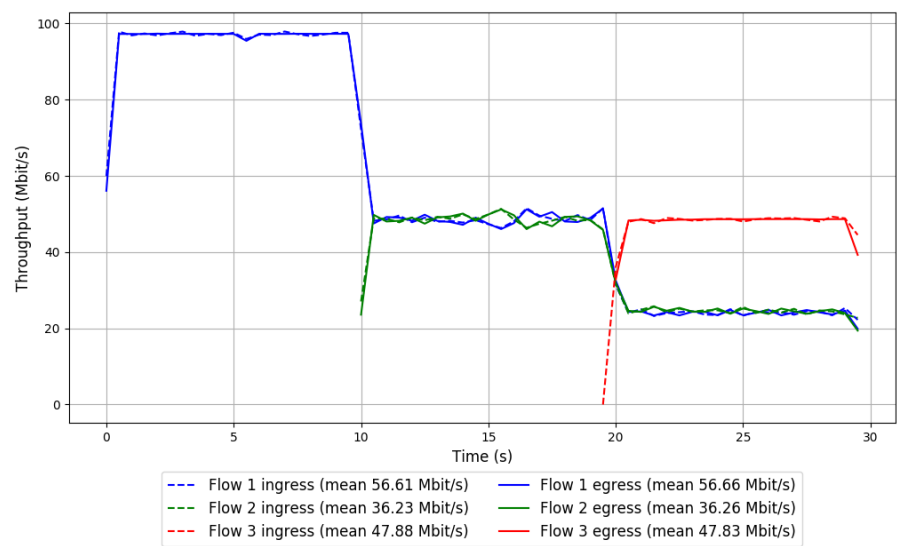


Run 8: Statistics of FillP

Start at: 2018-03-13 16:32:05
End at: 2018-03-13 16:32:35
Local clock offset: 3.181 ms
Remote clock offset: -7.046 ms

Below is generated by plot.py at 2018-03-13 21:34:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 52.054 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 51.760 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 53.398 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 33.918 ms
Loss rate: 0.88%

Run 8: Report of FillP — Data Link

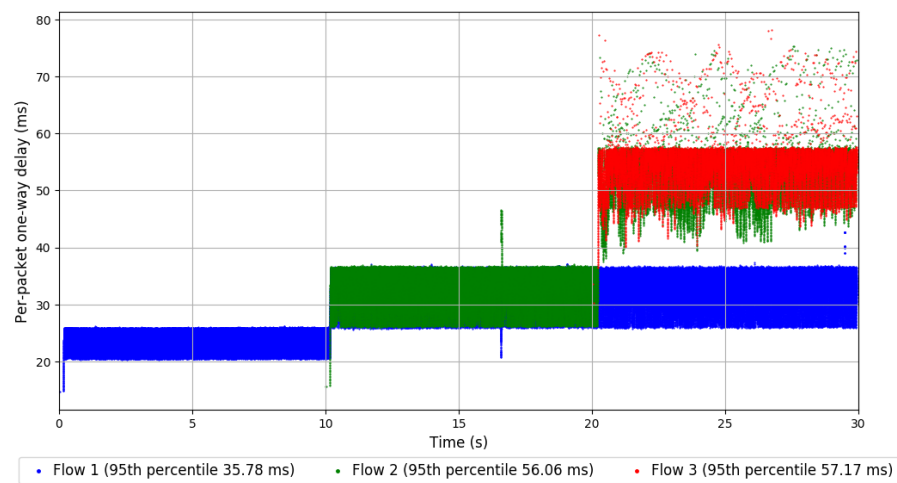
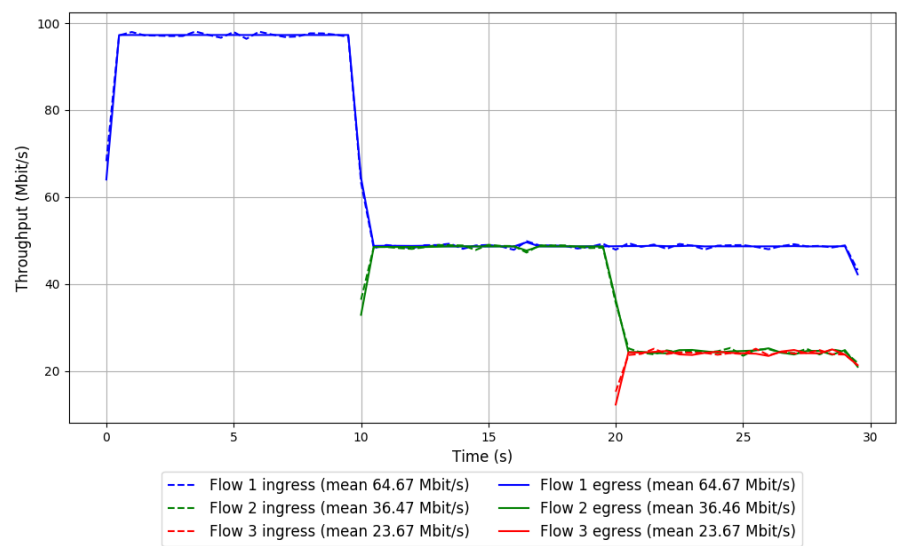


Run 9: Statistics of FillP

Start at: 2018-03-13 16:53:21
End at: 2018-03-13 16:53:51
Local clock offset: 3.459 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2018-03-13 21:34:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 55.112 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 35.777 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 56.063 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 57.170 ms
Loss rate: 0.46%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-13 17:14:22

End at: 2018-03-13 17:14:52

Local clock offset: 3.52 ms

Remote clock offset: 2.78 ms

Below is generated by plot.py at 2018-03-13 21:34:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 43.581 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 42.410 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.32 Mbit/s

95th percentile per-packet one-way delay: 43.880 ms

Loss rate: 0.22%

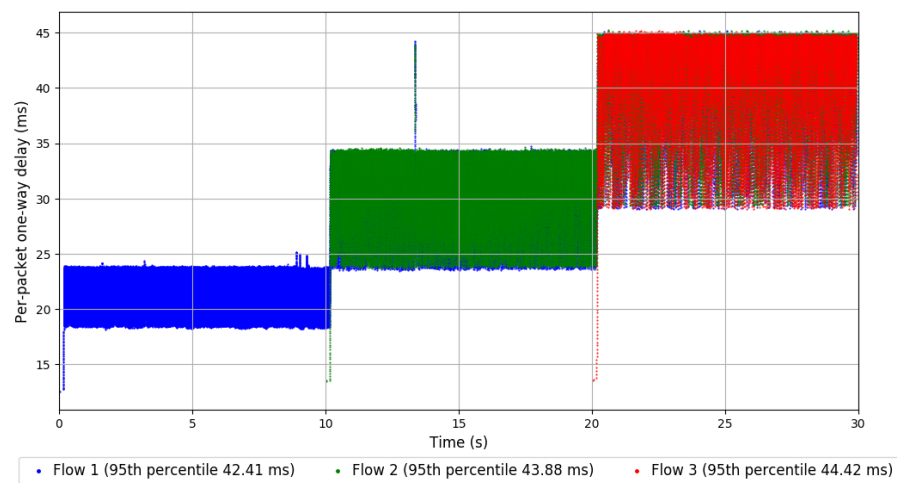
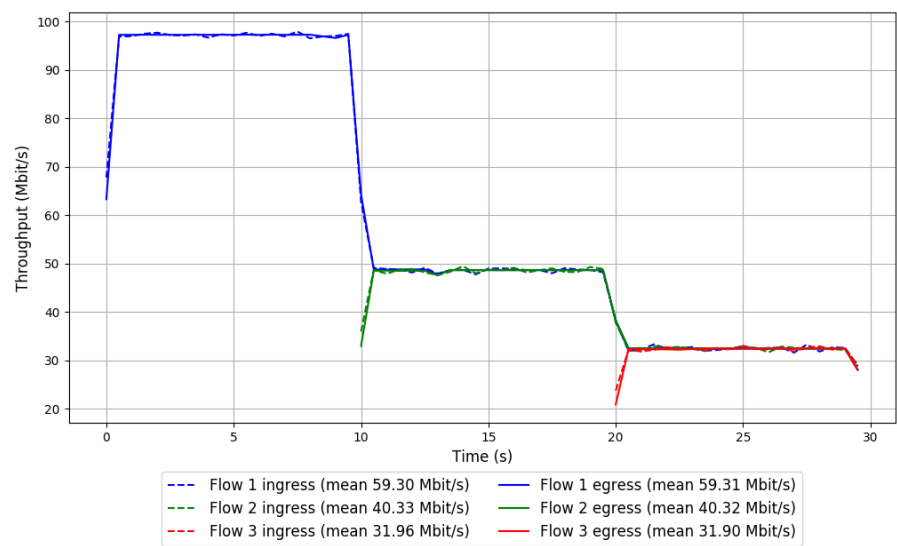
-- Flow 3:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 44.418 ms

Loss rate: 0.55%

Run 10: Report of FillP — Data Link

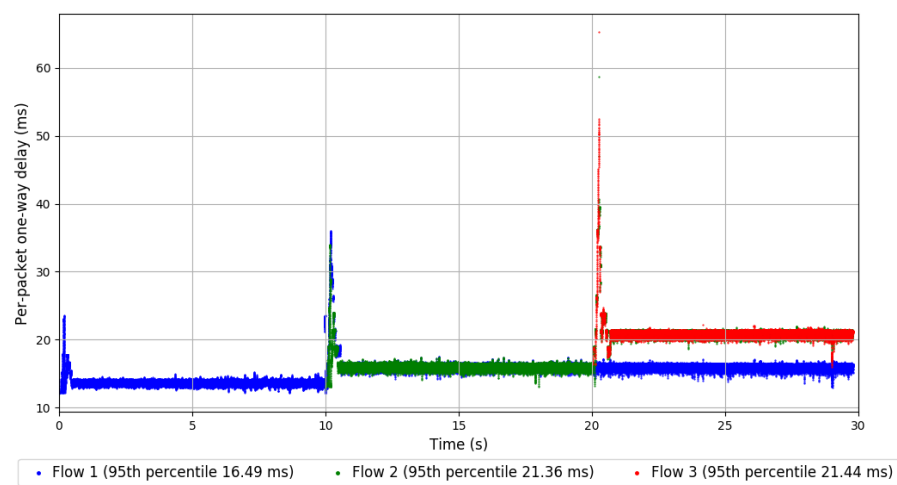
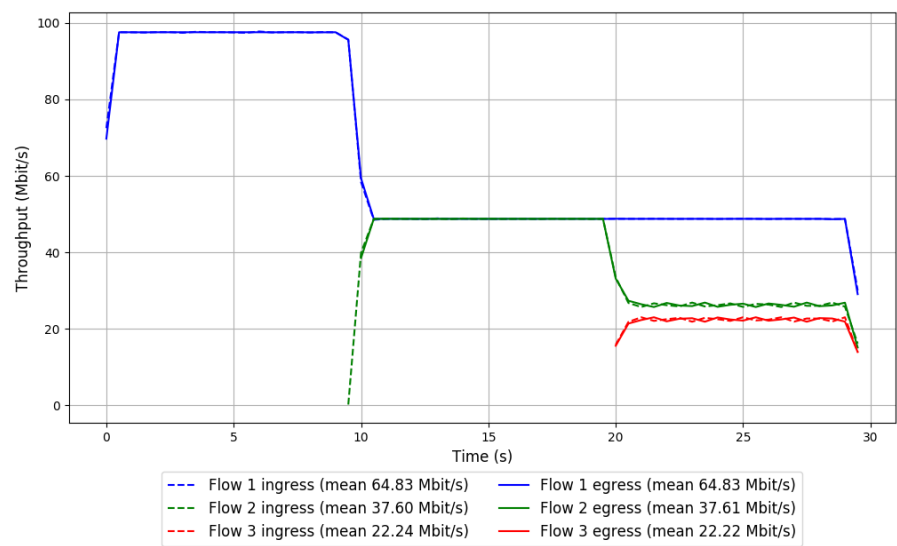


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 14:19:52
End at: 2018-03-13 14:20:22
Local clock offset: 3.66 ms
Remote clock offset: -5.132 ms

# Below is generated by plot.py at 2018-03-13 21:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 21.297 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 16.492 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 21.357 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 21.438 ms
Loss rate: 0.33%
```

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

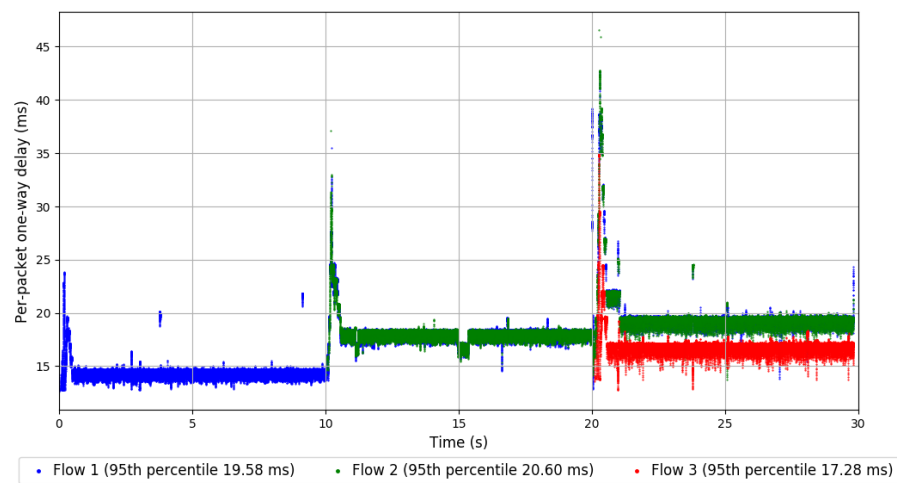
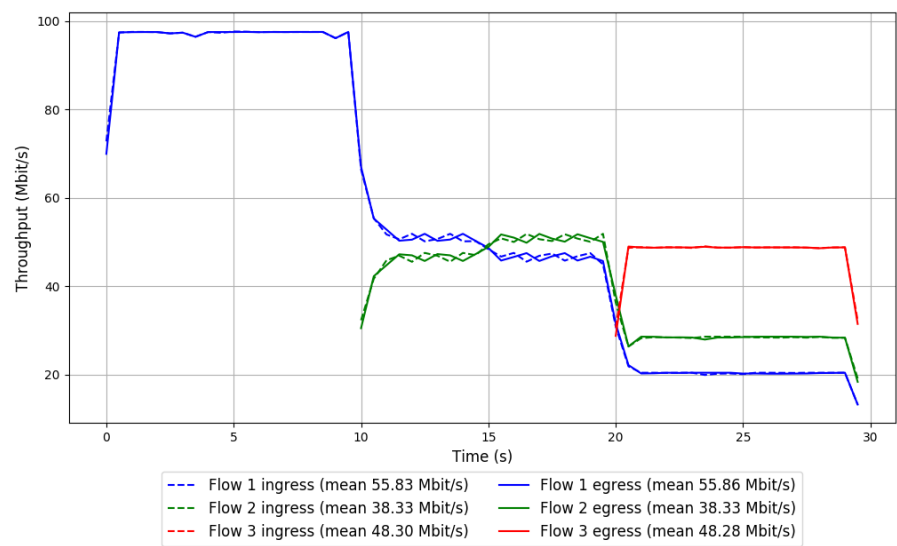


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 14:41:12
End at: 2018-03-13 14:41:42
Local clock offset: 4.487 ms
Remote clock offset: -4.258 ms

Below is generated by plot.py at 2018-03-13 21:34:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 19.581 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 20.604 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 17.277 ms
Loss rate: 0.26%

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

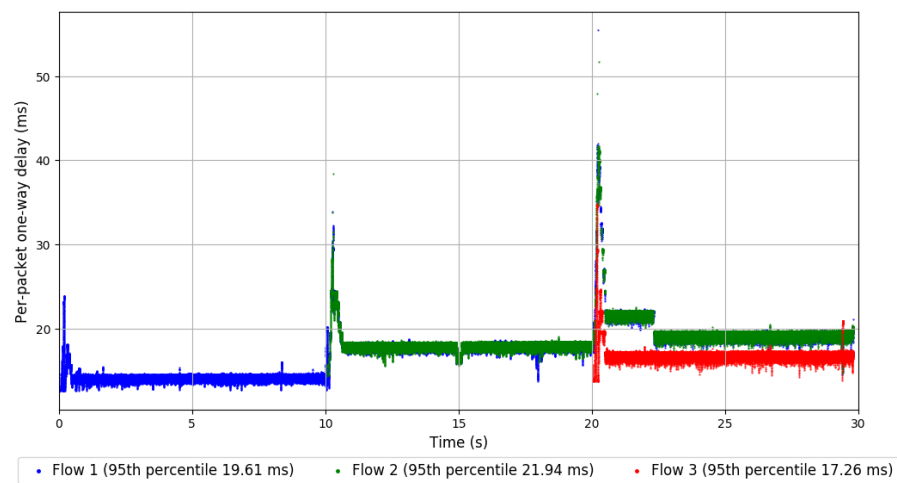
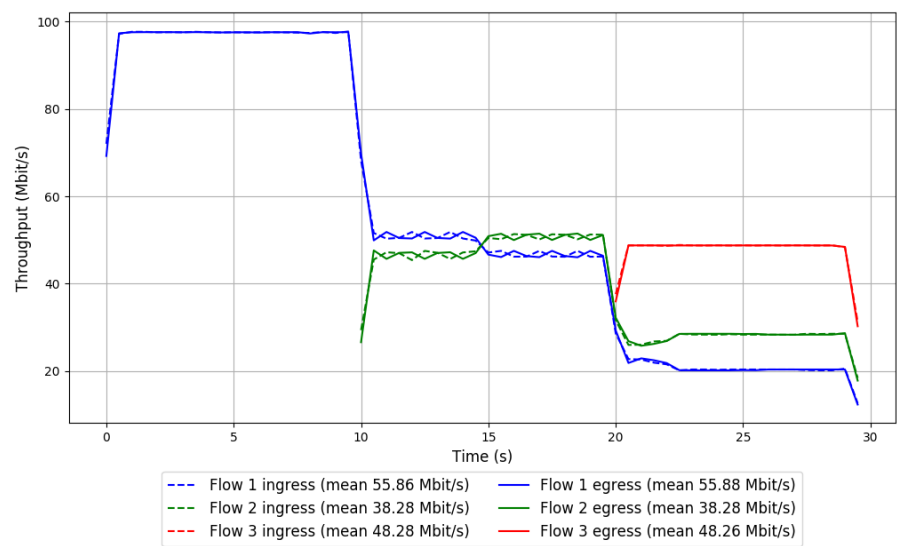


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 15:02:37
End at: 2018-03-13 15:03:07
Local clock offset: 2.546 ms
Remote clock offset: -4.143 ms

Below is generated by plot.py at 2018-03-13 21:35:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 21.943 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 17.260 ms
Loss rate: 0.28%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 15:23:51

End at: 2018-03-13 15:24:21

Local clock offset: 2.221 ms

Remote clock offset: 1.007 ms

Below is generated by plot.py at 2018-03-13 21:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 24.631 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 24.571 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 22.212 ms

Loss rate: 0.14%

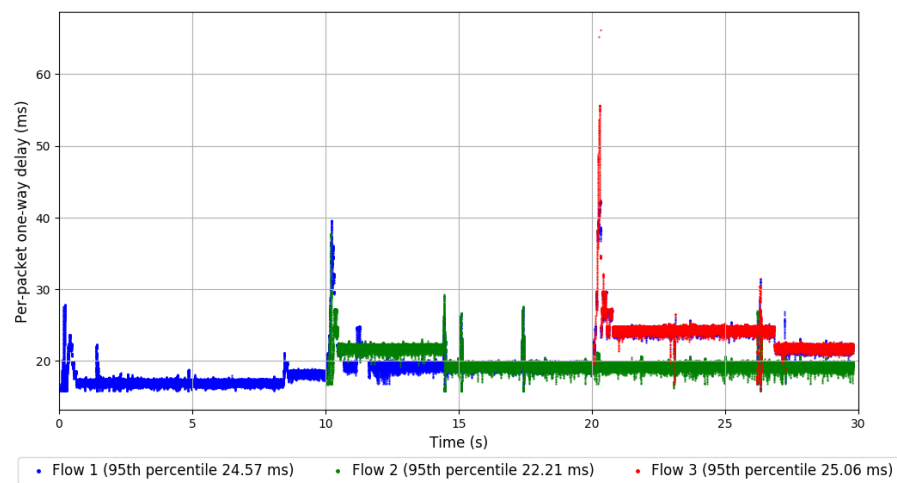
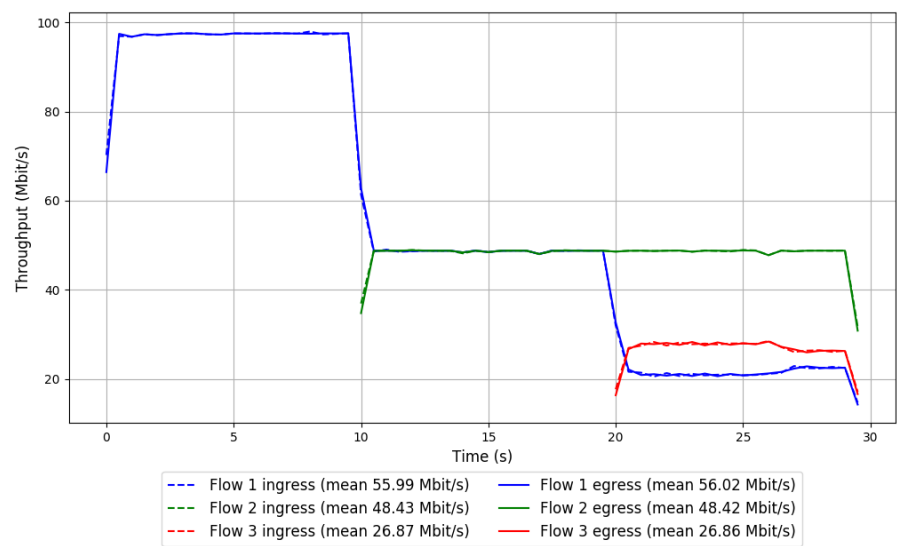
-- Flow 3:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 25.059 ms

Loss rate: 0.31%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 15:45:13

End at: 2018-03-13 15:45:43

Local clock offset: 3.567 ms

Remote clock offset: 1.93 ms

Below is generated by plot.py at 2018-03-13 21:35:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 23.402 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 64.97 Mbit/s

95th percentile per-packet one-way delay: 18.615 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 23.461 ms

Loss rate: 0.11%

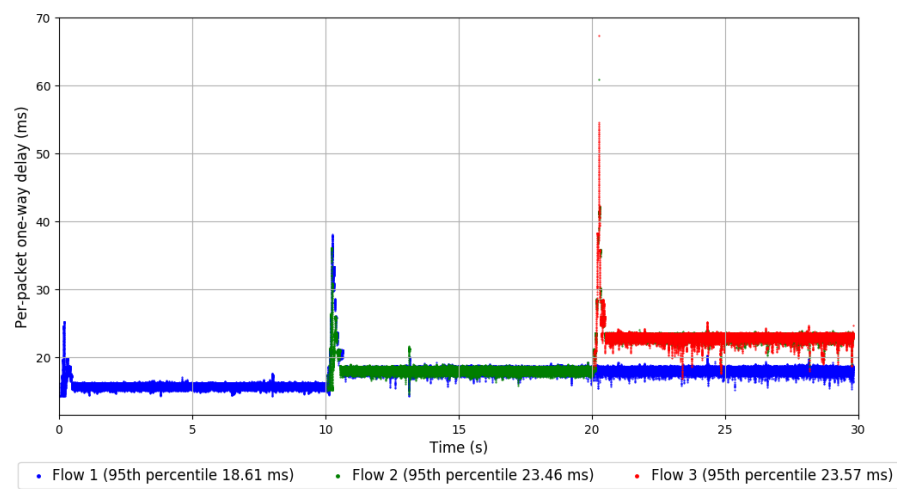
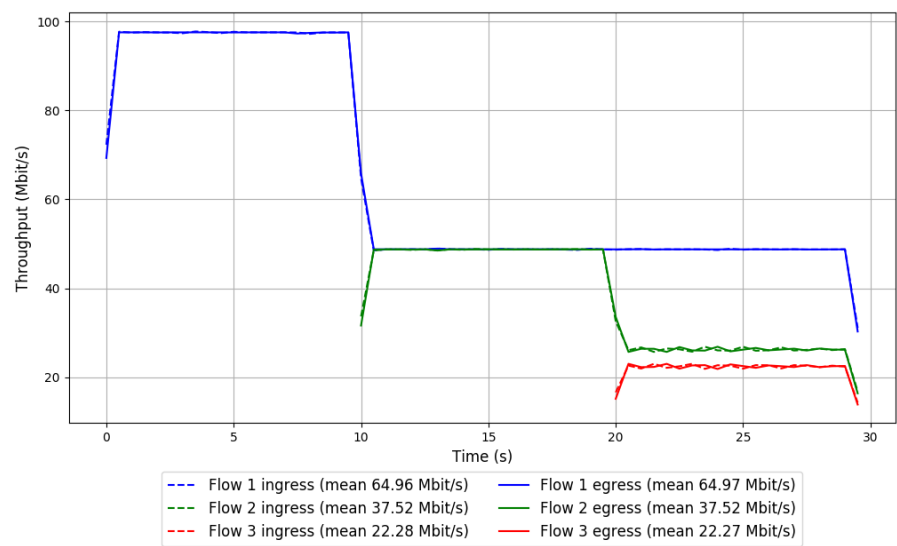
-- Flow 3:

Average throughput: 22.27 Mbit/s

95th percentile per-packet one-way delay: 23.572 ms

Loss rate: 0.32%

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



Run 6: Statistics of Indigo-1-32

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

End at: 2018-03-13 16:06:46

Local clock offset: 3.536 ms

Remote clock offset: 2.662 ms

Below is generated by plot.py at 2018-03-13 21:36:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 20.622 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 18.863 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 18.873 ms

Loss rate: 0.12%

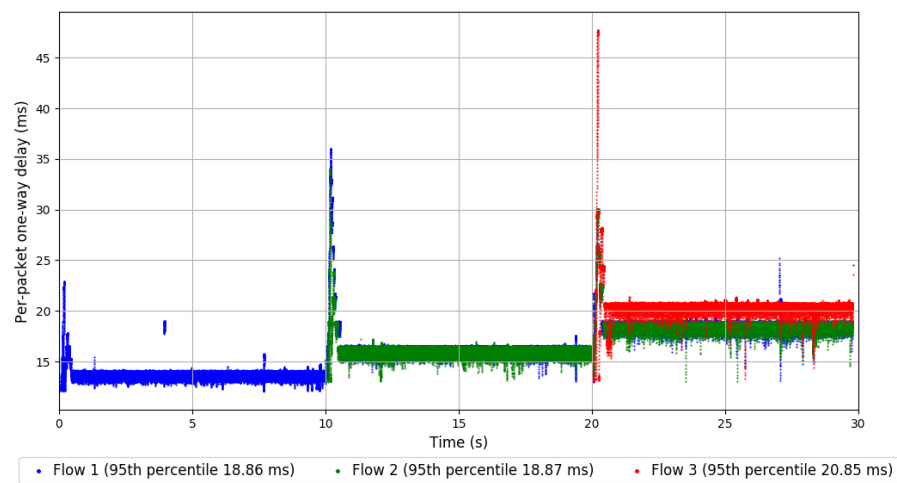
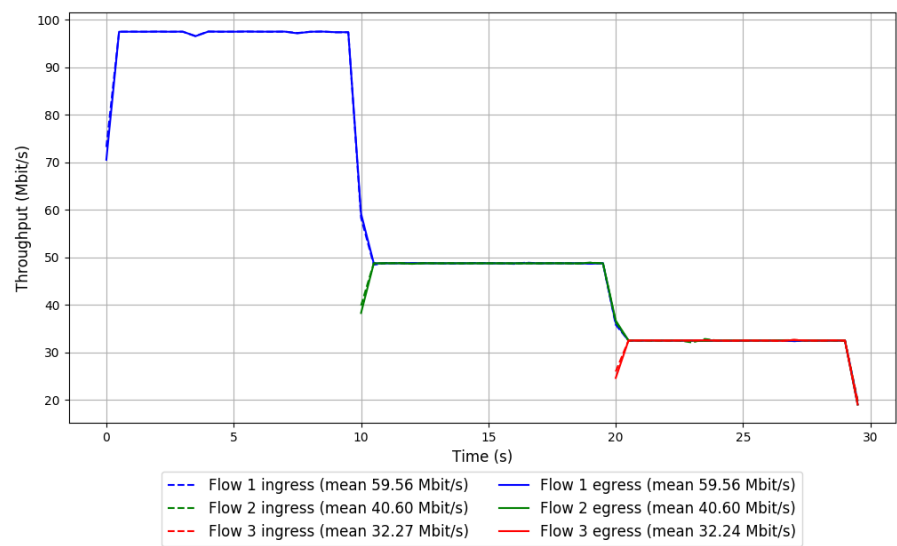
-- Flow 3:

Average throughput: 32.24 Mbit/s

95th percentile per-packet one-way delay: 20.846 ms

Loss rate: 0.32%

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

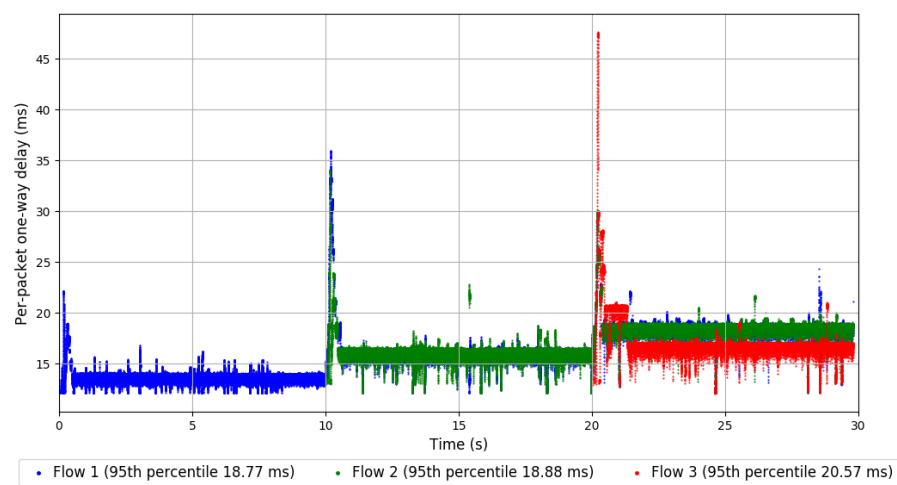
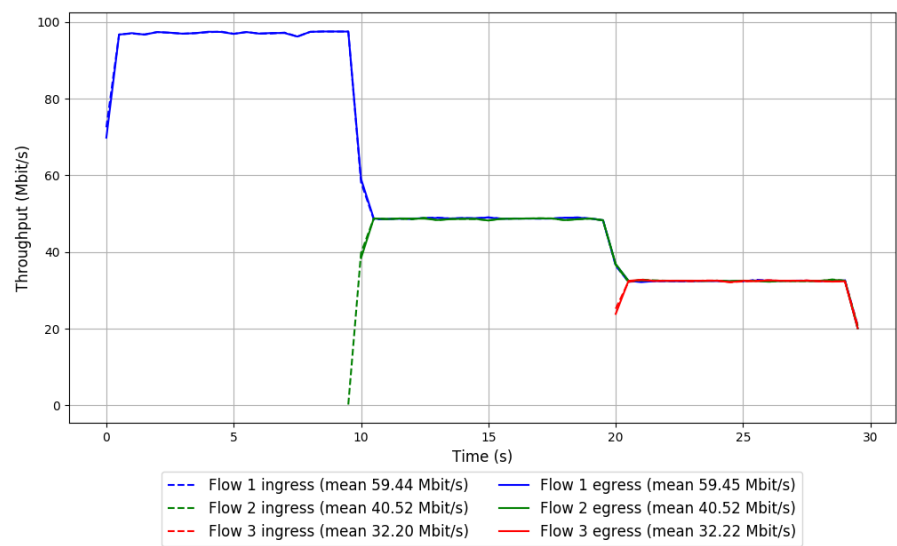


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 16:27:25
End at: 2018-03-13 16:27:55
Local clock offset: 3.06 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-03-13 21:36:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 18.775 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 20.575 ms
Loss rate: 0.28%

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

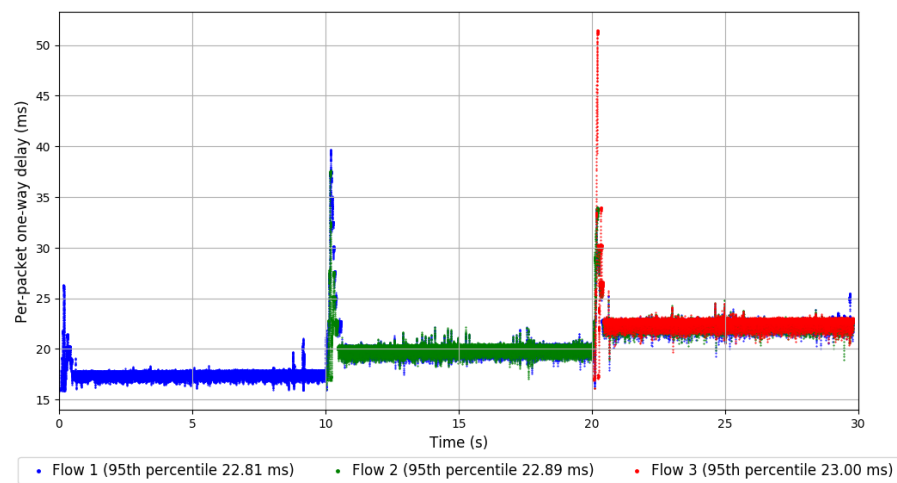
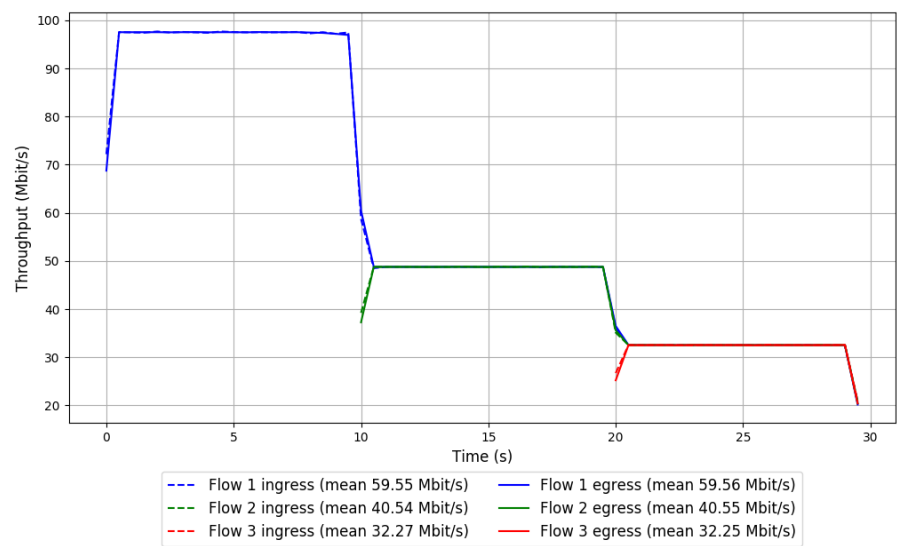


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 16:48:42
End at: 2018-03-13 16:49:12
Local clock offset: 3.822 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-03-13 21:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 22.887 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 22.806 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 22.889 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 23.003 ms
Loss rate: 0.30%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 17:09:42

End at: 2018-03-13 17:10:12

Local clock offset: 5.889 ms

Remote clock offset: 2.595 ms

Below is generated by plot.py at 2018-03-13 21:36:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 23.236 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 23.211 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.93 Mbit/s

95th percentile per-packet one-way delay: 23.308 ms

Loss rate: 0.11%

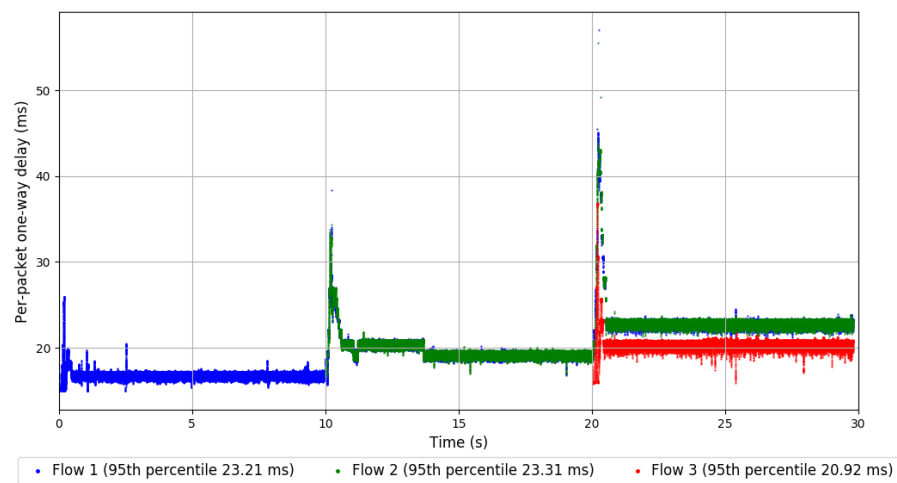
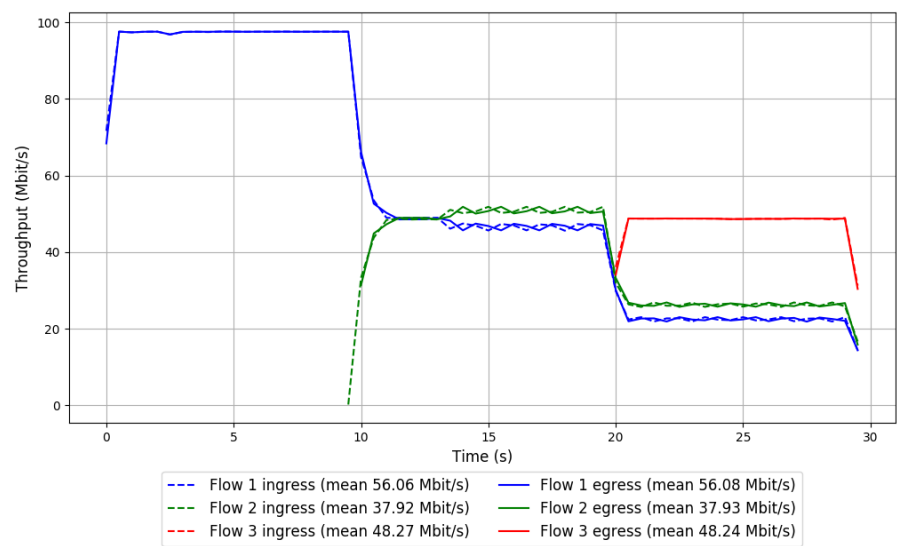
-- Flow 3:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 20.917 ms

Loss rate: 0.30%

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

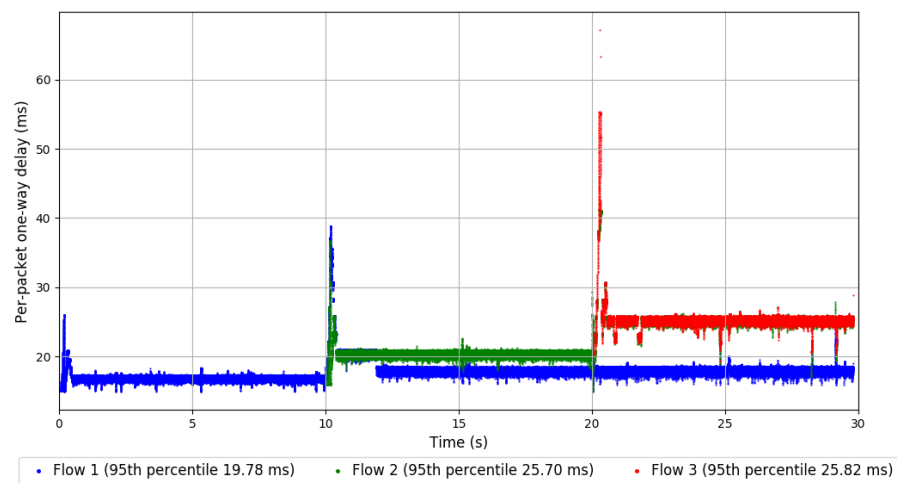
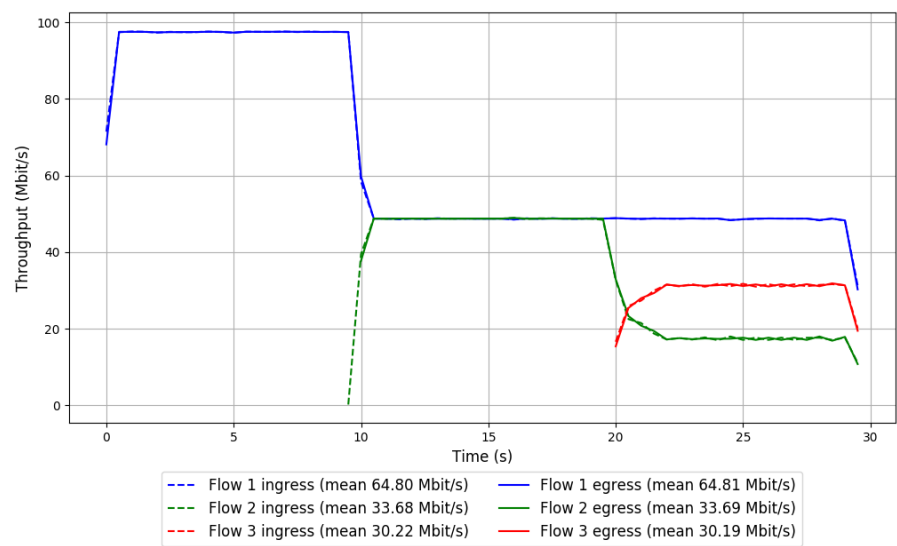


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 17:30:45
End at: 2018-03-13 17:31:15
Local clock offset: 6.12 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-03-13 21:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 25.655 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.81 Mbit/s
95th percentile per-packet one-way delay: 19.780 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 25.705 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 25.821 ms
Loss rate: 0.36%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 14:23:24

End at: 2018-03-13 14:23:54

Local clock offset: 5.159 ms

Remote clock offset: -4.65 ms

Below is generated by plot.py at 2018-03-13 21:36:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 26.567 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 14.984 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 36.121 ms

Loss rate: 0.31%

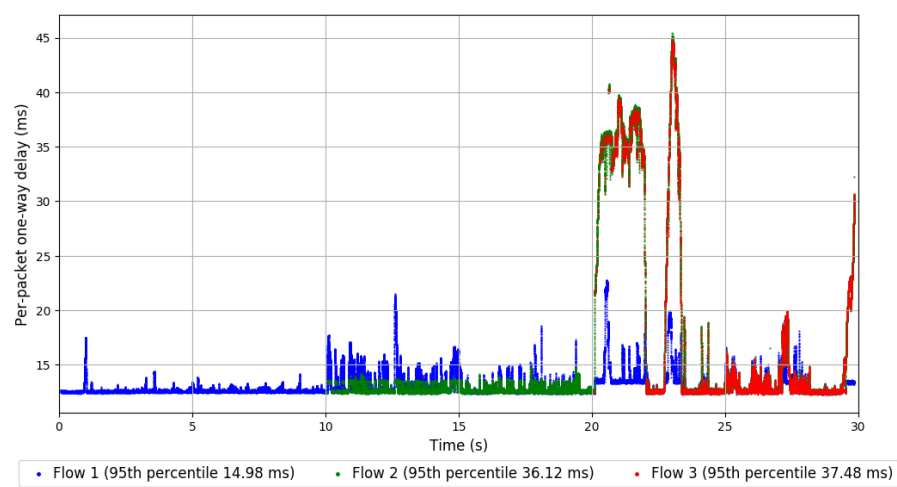
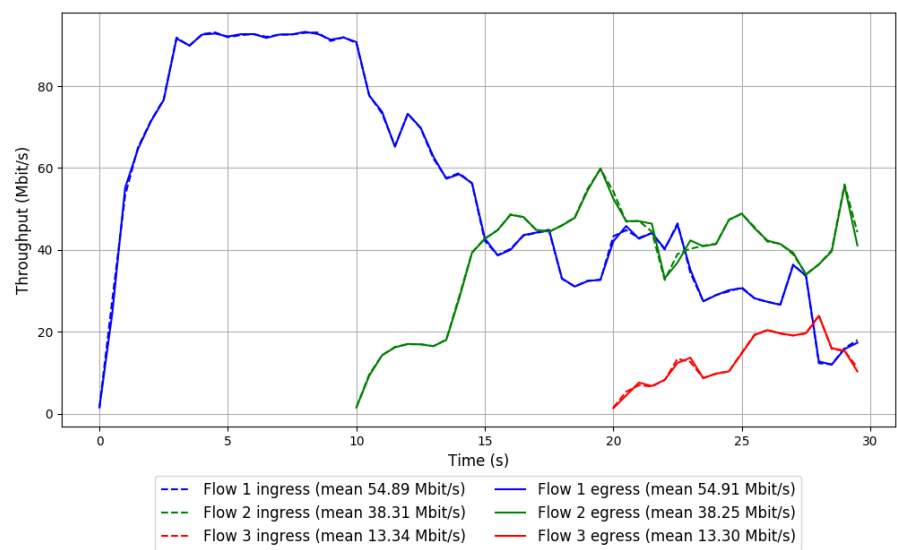
-- Flow 3:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 37.476 ms

Loss rate: 0.49%

Run 1: Report of Vivace-latency — Data Link

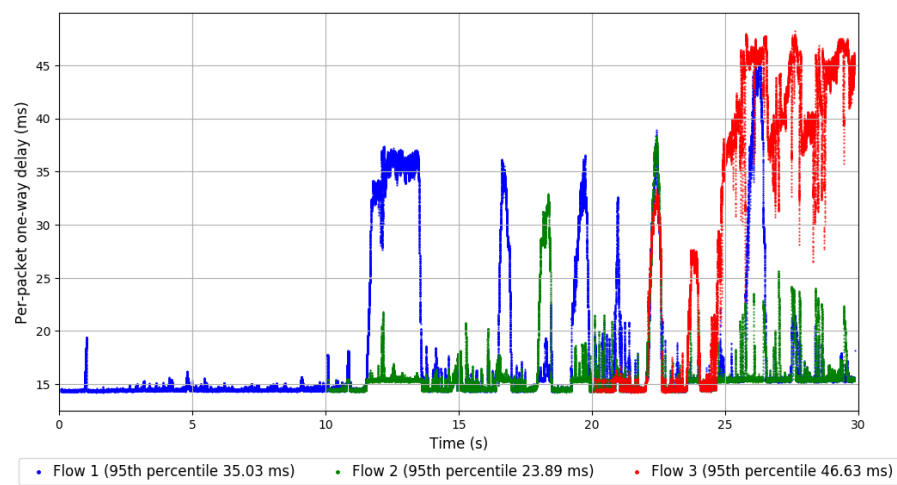
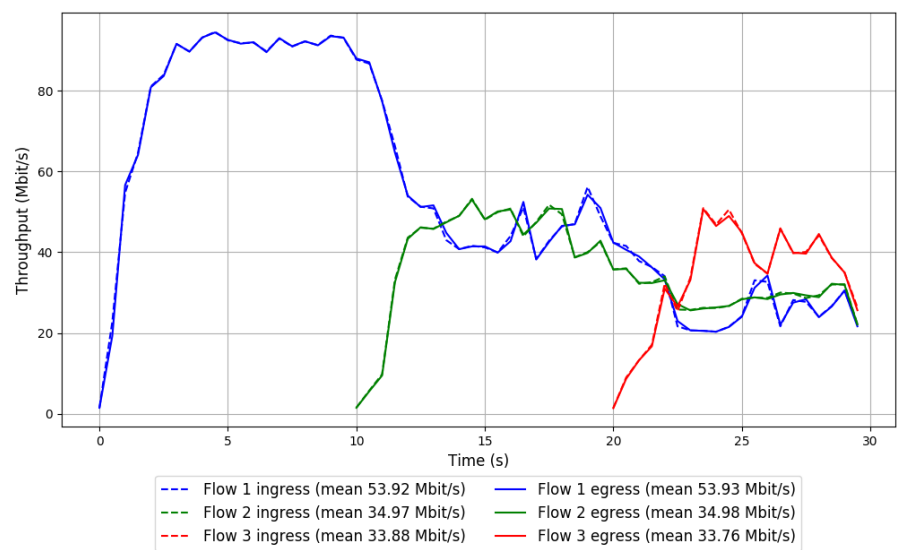


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 14:44:46
End at: 2018-03-13 14:45:16
Local clock offset: 5.891 ms
Remote clock offset: -4.154 ms

Below is generated by plot.py at 2018-03-13 21:36:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 39.748 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 35.031 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 23.895 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 46.627 ms
Loss rate: 0.58%

Run 2: Report of Vivace-latency — Data Link

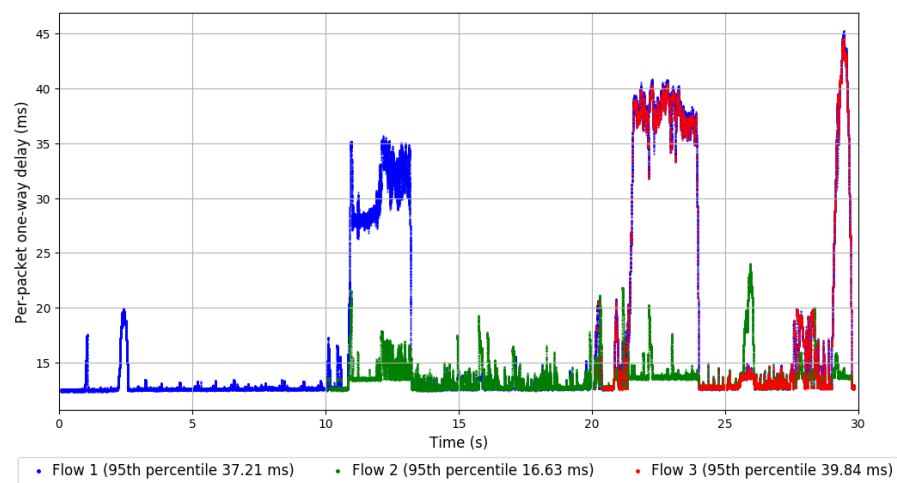
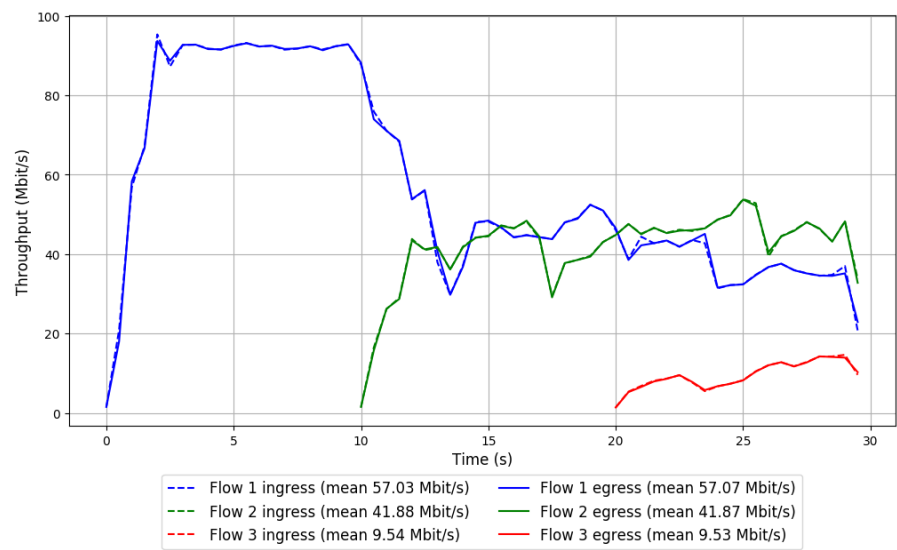


Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 15:06:06
End at: 2018-03-13 15:06:36
Local clock offset: 2.574 ms
Remote clock offset: -2.122 ms

Below is generated by plot.py at 2018-03-13 21:37:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 36.286 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 37.212 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 16.626 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 39.838 ms
Loss rate: 0.31%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 15:27:22

End at: 2018-03-13 15:27:52

Local clock offset: 1.944 ms

Remote clock offset: 2.694 ms

Below is generated by plot.py at 2018-03-13 21:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 36.529 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 36.557 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 25.963 ms

Loss rate: 0.09%

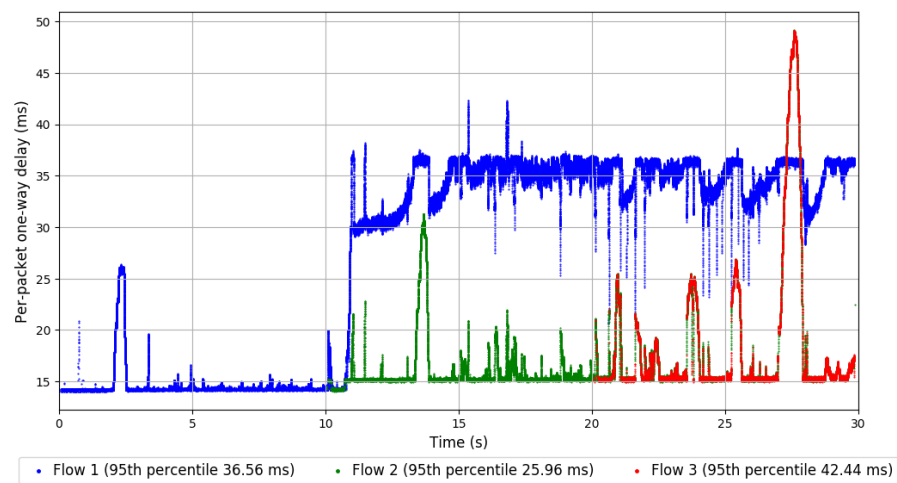
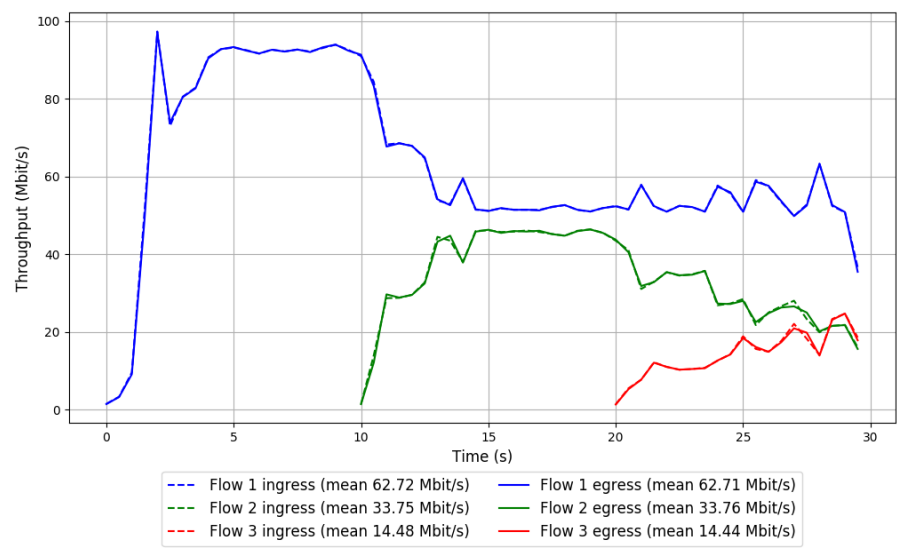
-- Flow 3:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 42.444 ms

Loss rate: 0.51%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 15:48:41

End at: 2018-03-13 15:49:11

Local clock offset: 3.707 ms

Remote clock offset: 2.032 ms

Below is generated by plot.py at 2018-03-13 21:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 26.349 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 25.243 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 32.133 ms

Loss rate: 0.11%

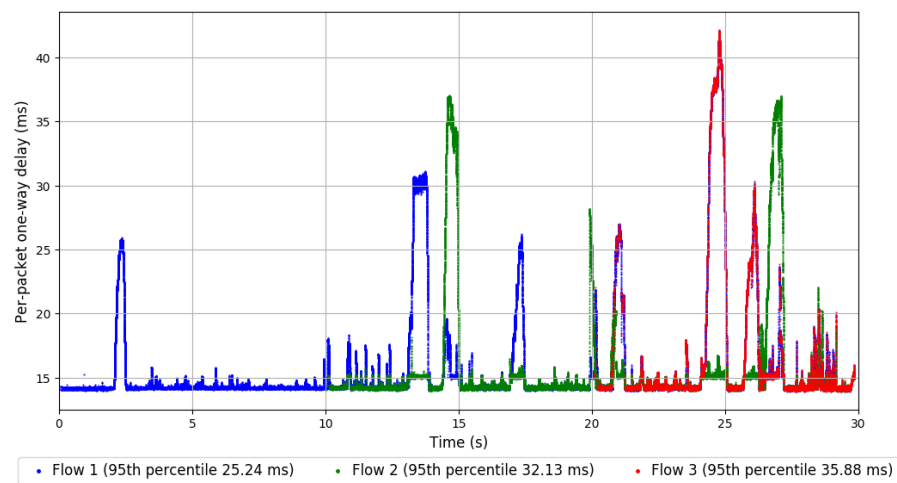
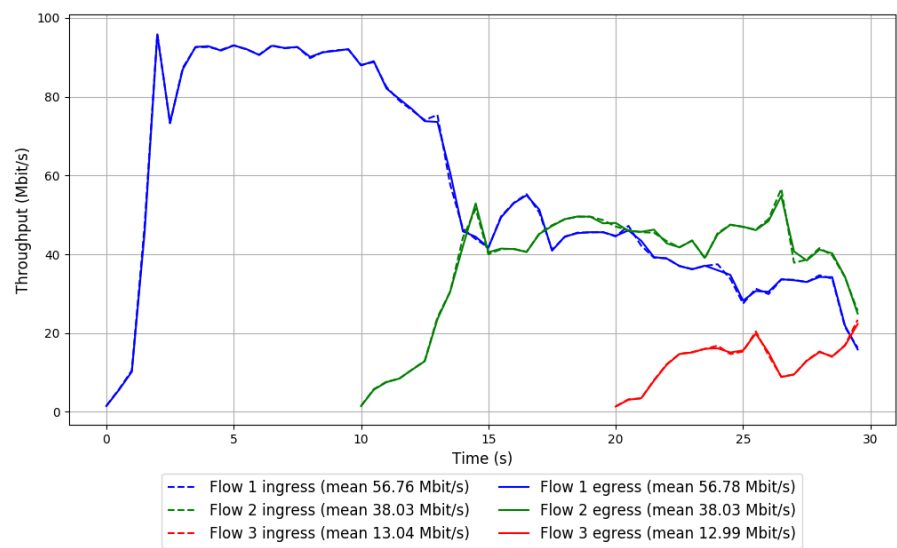
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 35.877 ms

Loss rate: 0.64%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 16:09:44

End at: 2018-03-13 16:10:14

Local clock offset: 4.4 ms

Remote clock offset: 1.239 ms

Below is generated by plot.py at 2018-03-13 21:37:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.68 Mbit/s

95th percentile per-packet one-way delay: 22.279 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 24.070 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 19.789 ms

Loss rate: 0.12%

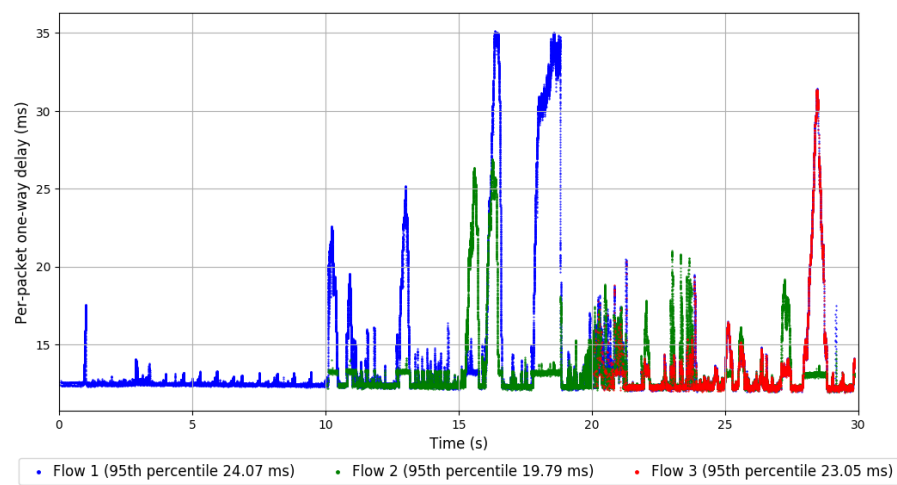
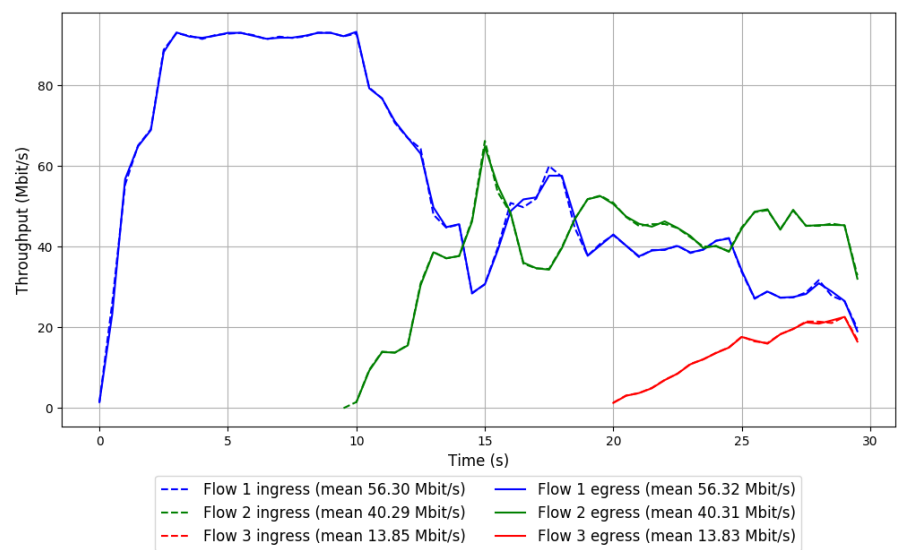
-- Flow 3:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 23.049 ms

Loss rate: 0.38%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 16:30:53

End at: 2018-03-13 16:31:23

Local clock offset: 4.933 ms

Remote clock offset: -7.61 ms

Below is generated by plot.py at 2018-03-13 21:37:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.47 Mbit/s

95th percentile per-packet one-way delay: 34.467 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 35.464 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 19.067 ms

Loss rate: 0.20%

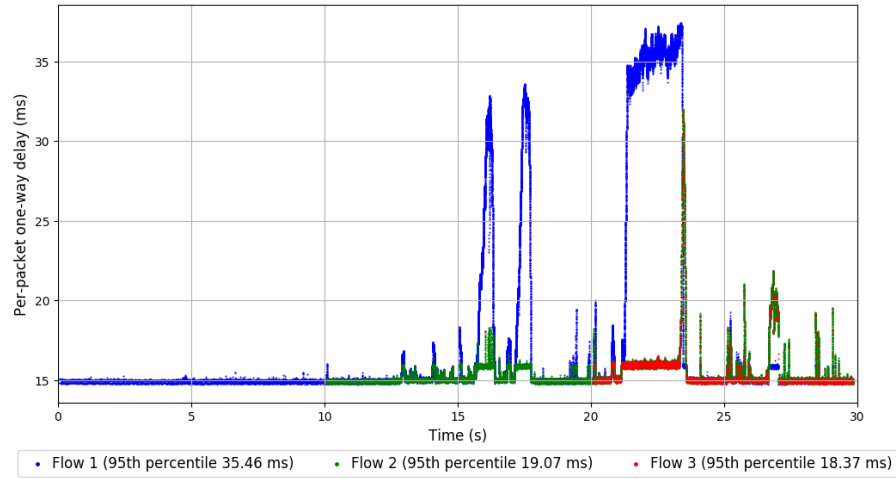
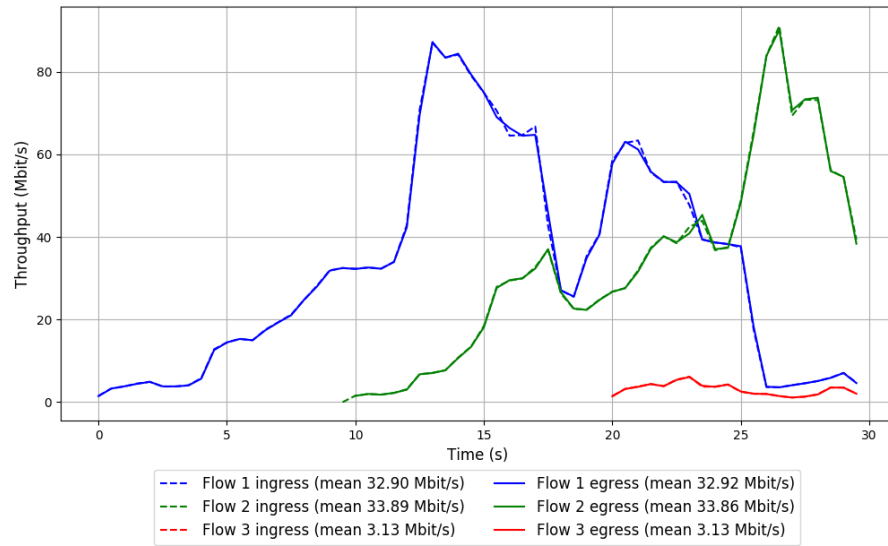
-- Flow 3:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 18.372 ms

Loss rate: 0.23%

Run 7: Report of Vivace-latency — Data Link

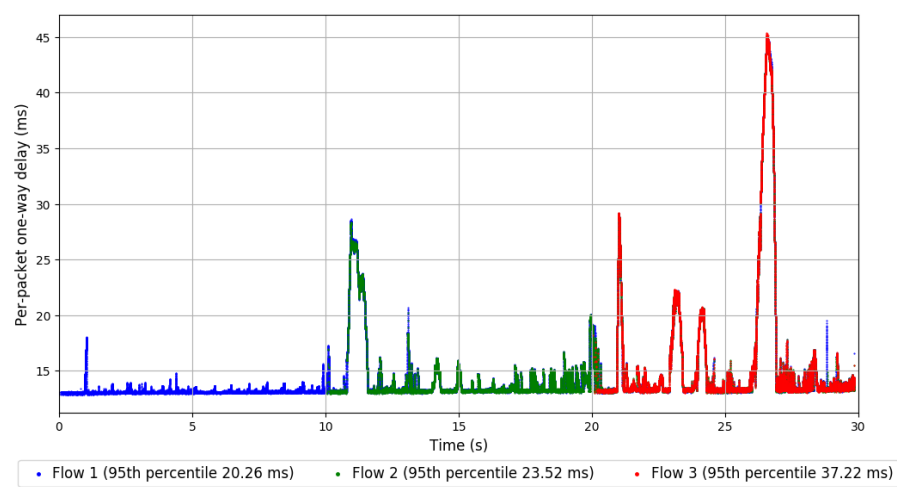
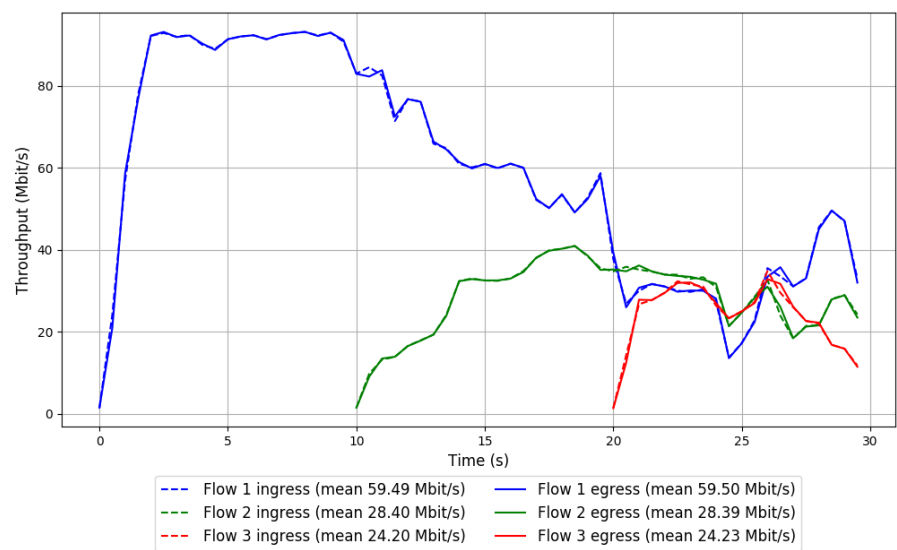


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 16:52:10
End at: 2018-03-13 16:52:40
Local clock offset: 1.705 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-03-13 21:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 22.169 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 23.525 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 37.220 ms
Loss rate: 0.15%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 17:13:11

End at: 2018-03-13 17:13:41

Local clock offset: 3.466 ms

Remote clock offset: 3.597 ms

Below is generated by plot.py at 2018-03-13 21:37:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 22.476 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 61.71 Mbit/s

95th percentile per-packet one-way delay: 18.904 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 34.196 ms

Loss rate: 0.14%

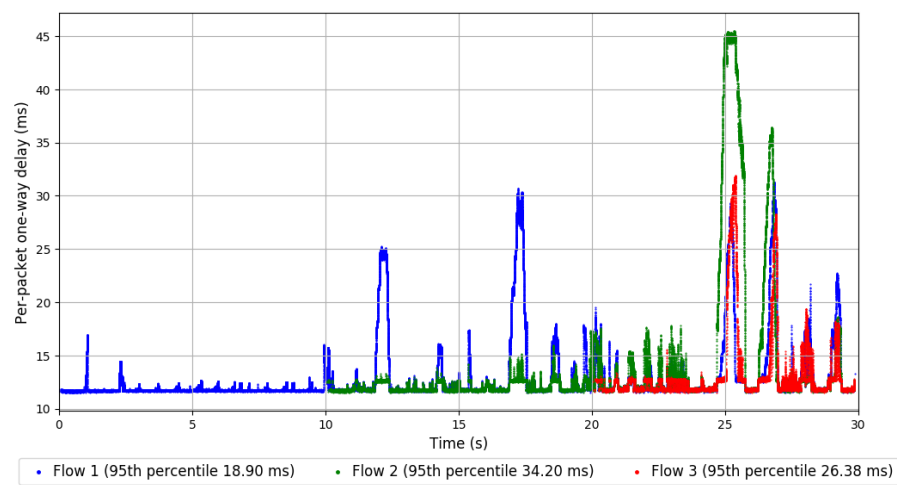
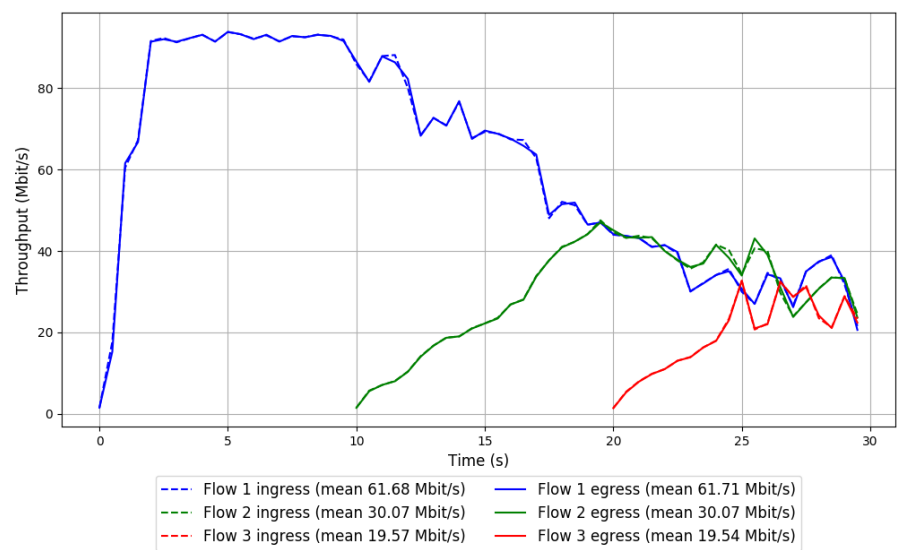
-- Flow 3:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 26.383 ms

Loss rate: 0.43%

Run 9: Report of Vivace-latency — Data Link

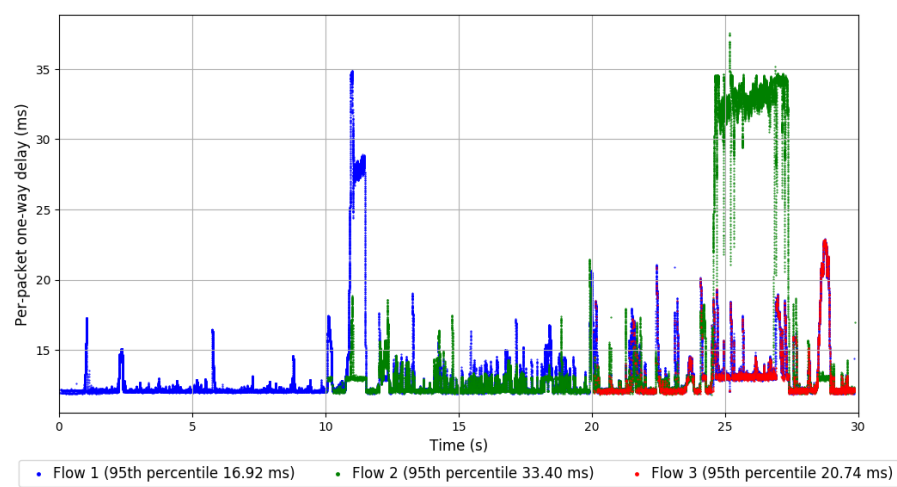
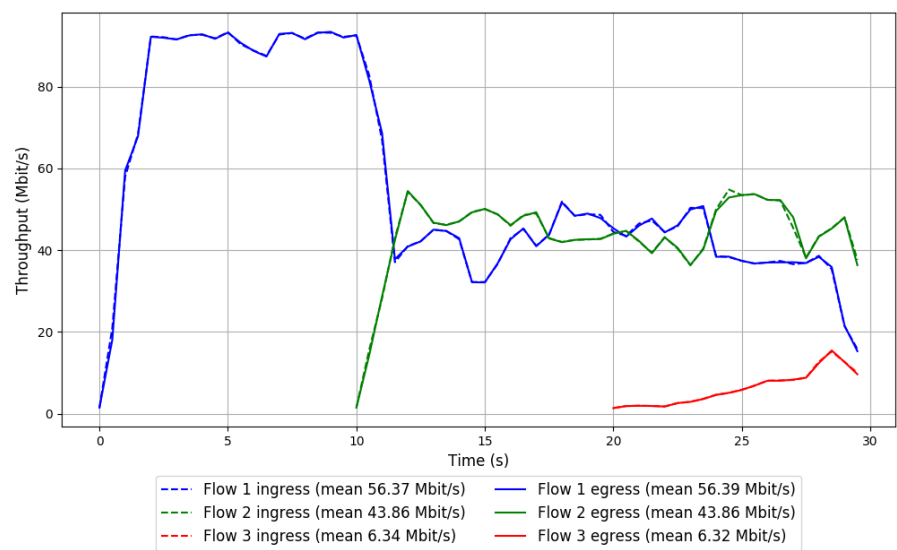


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 17:34:17
End at: 2018-03-13 17:34:47
Local clock offset: 3.667 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-03-13 21:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 31.556 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 16.921 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 33.398 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 20.736 ms
Loss rate: 0.54%

Run 10: Report of Vivace-latency — Data Link

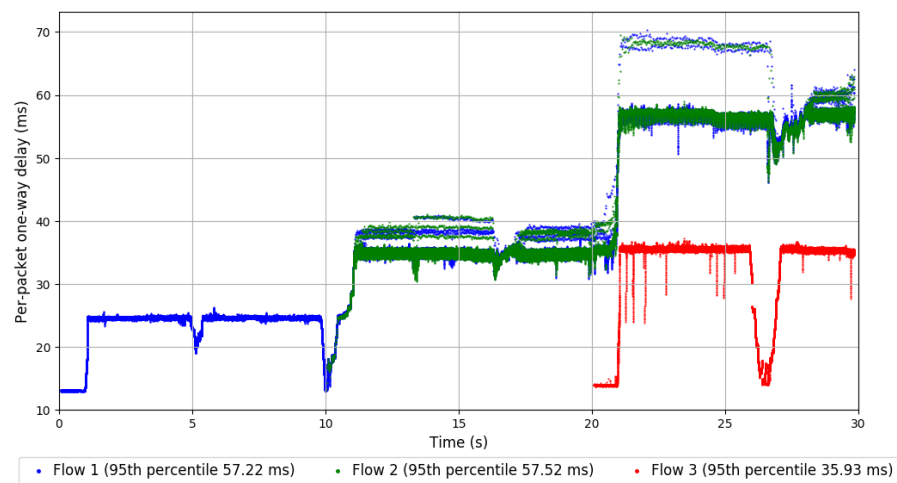
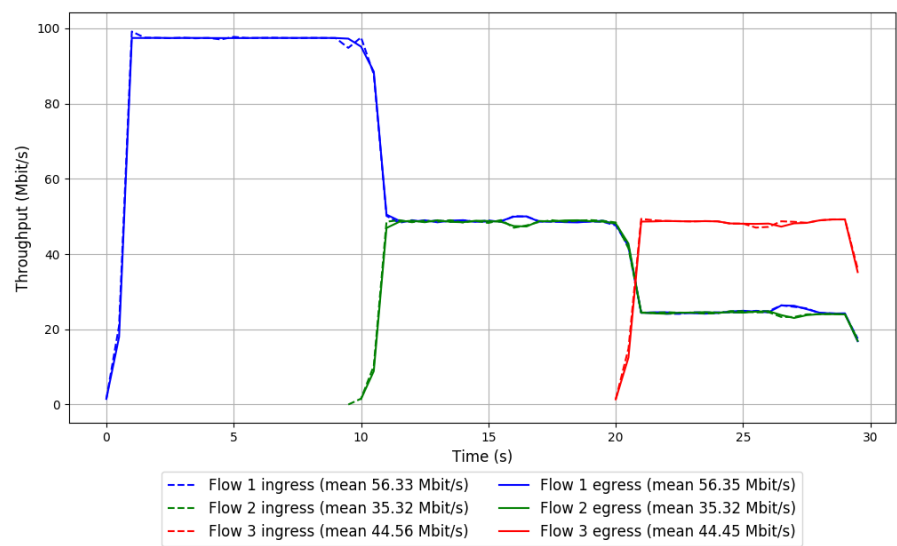


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 14:21:06
End at: 2018-03-13 14:21:36
Local clock offset: 5.91 ms
Remote clock offset: -4.057 ms

# Below is generated by plot.py at 2018-03-13 21:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 57.310 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 57.223 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 57.520 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 35.931 ms
Loss rate: 0.50%
```

Run 1: Report of Vivace-loss — Data Link

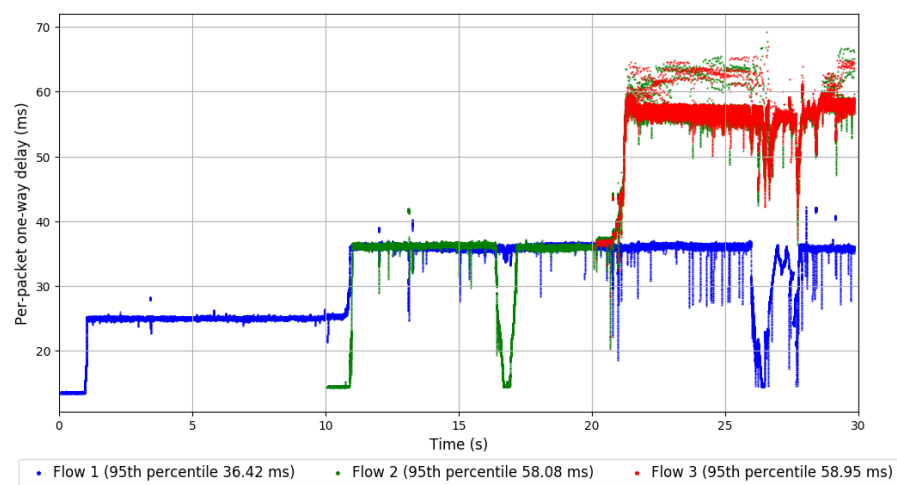
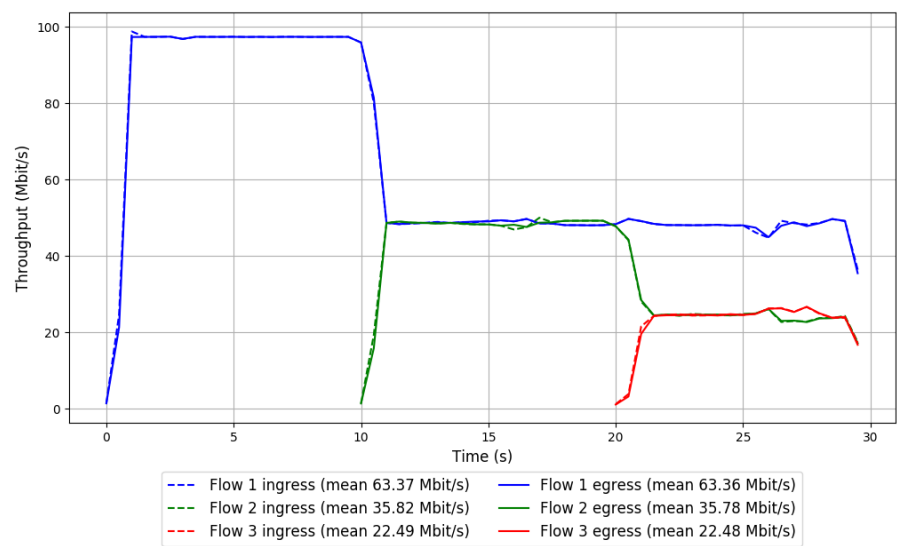


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 14:42:26
End at: 2018-03-13 14:42:56
Local clock offset: 4.608 ms
Remote clock offset: -4.806 ms

Below is generated by plot.py at 2018-03-13 21:38:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 36.417 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 58.080 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 58.947 ms
Loss rate: 0.69%

Run 2: Report of Vivace-loss — Data Link

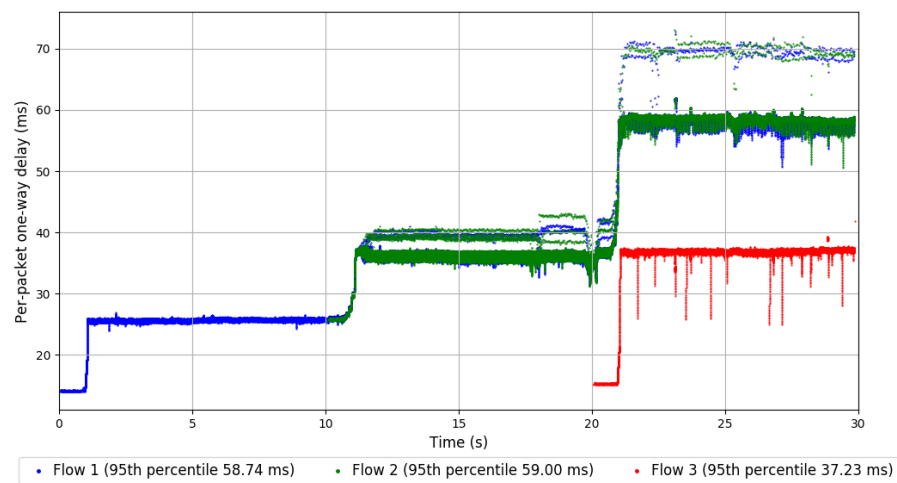
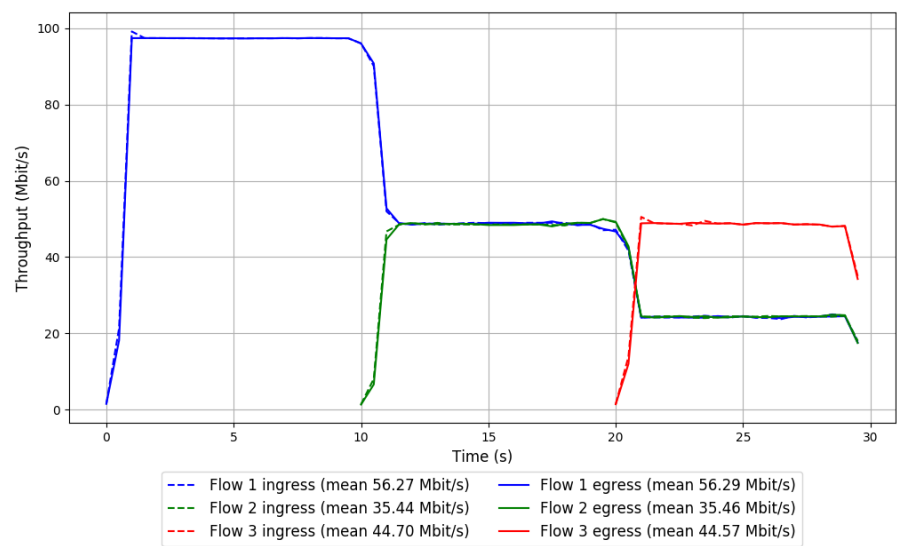


Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 15:03:49
End at: 2018-03-13 15:04:19
Local clock offset: 4.34 ms
Remote clock offset: -3.127 ms

```
# Below is generated by plot.py at 2018-03-13 21:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 58.807 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 58.736 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 59.002 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 37.235 ms
Loss rate: 0.50%
```


Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:25:03

End at: 2018-03-13 15:25:33

Local clock offset: 4.567 ms

Remote clock offset: 1.113 ms

Below is generated by plot.py at 2018-03-13 21:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 52.008 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 51.834 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 52.023 ms

Loss rate: 0.25%

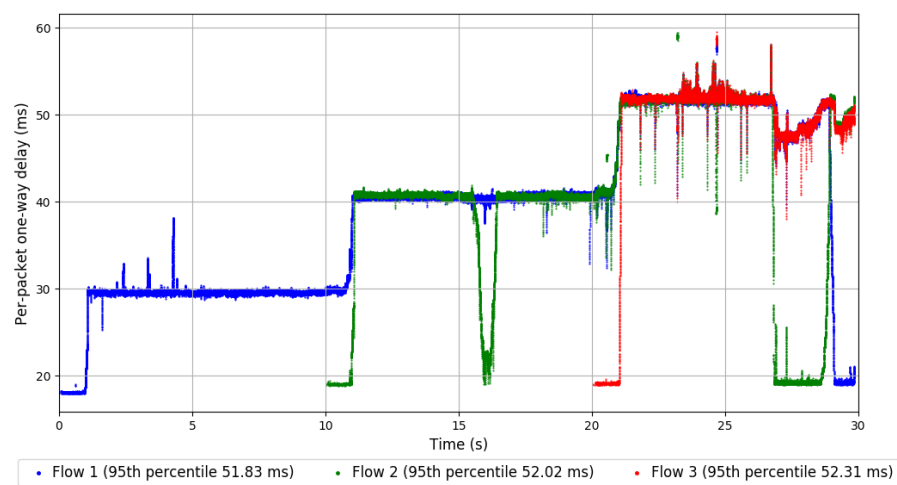
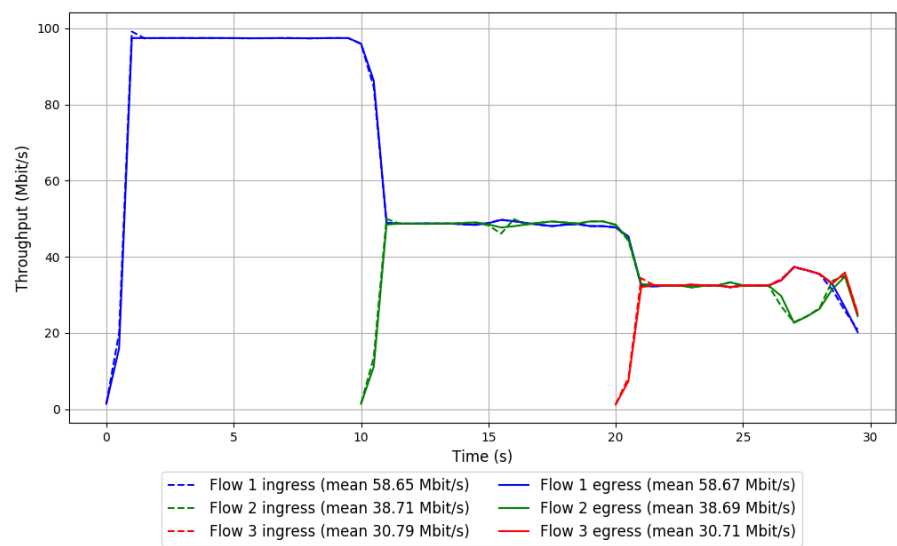
-- Flow 3:

Average throughput: 30.71 Mbit/s

95th percentile per-packet one-way delay: 52.313 ms

Loss rate: 0.64%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 15:46:24

End at: 2018-03-13 15:46:54

Local clock offset: 4.471 ms

Remote clock offset: 3.405 ms

Below is generated by plot.py at 2018-03-13 21:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 58.049 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 56.28 Mbit/s

95th percentile per-packet one-way delay: 57.973 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.47 Mbit/s

95th percentile per-packet one-way delay: 58.244 ms

Loss rate: 0.22%

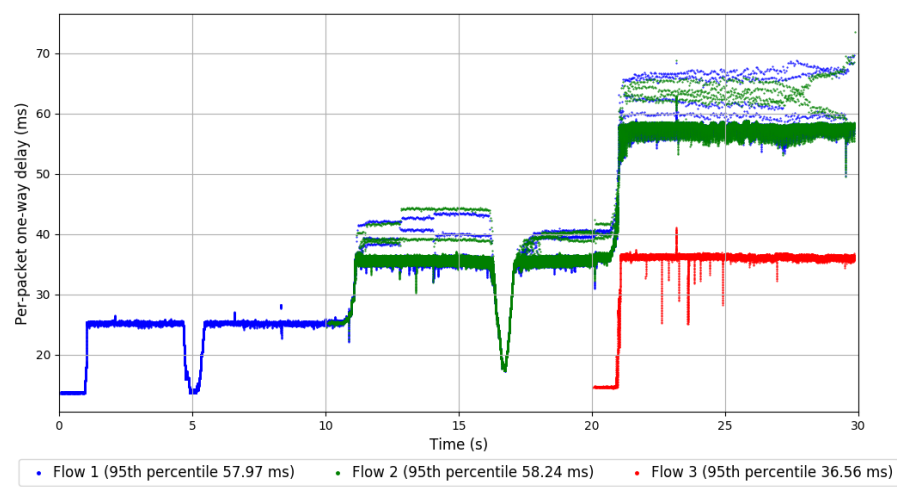
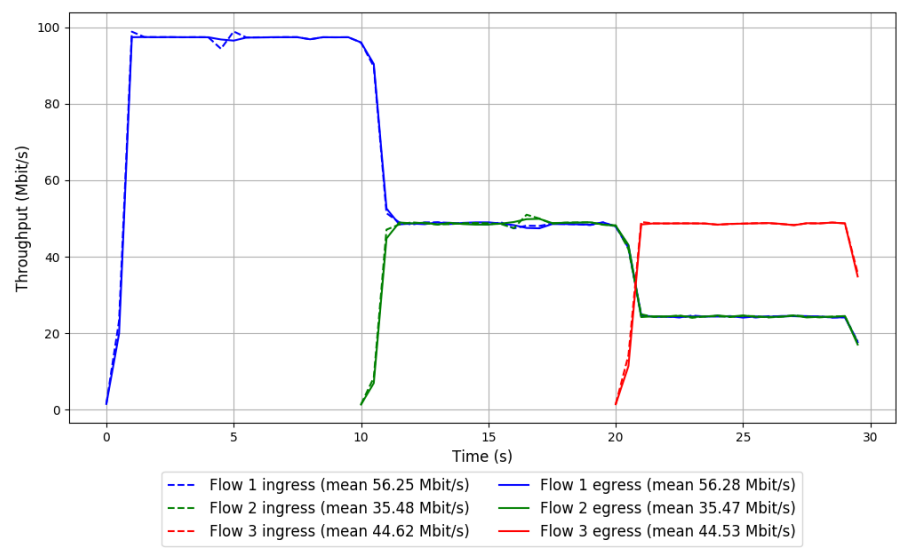
-- Flow 3:

Average throughput: 44.53 Mbit/s

95th percentile per-packet one-way delay: 36.565 ms

Loss rate: 0.50%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 16:07:27

End at: 2018-03-13 16:07:57

Local clock offset: 5.912 ms

Remote clock offset: 2.9 ms

Below is generated by plot.py at 2018-03-13 21:39:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 48.014 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 47.817 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 48.057 ms

Loss rate: 0.08%

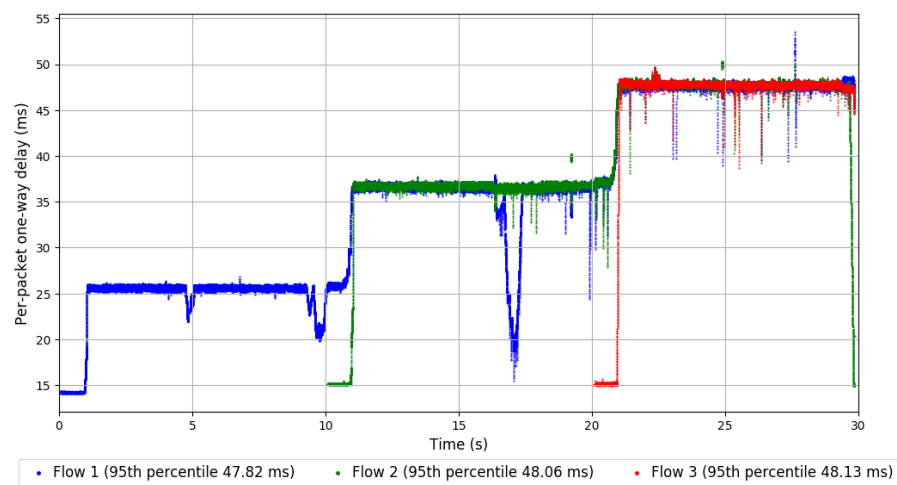
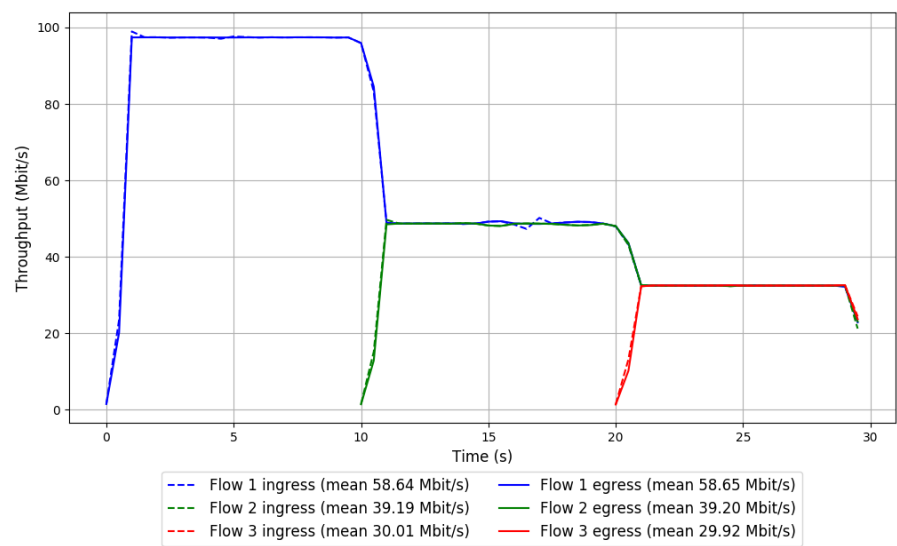
-- Flow 3:

Average throughput: 29.92 Mbit/s

95th percentile per-packet one-way delay: 48.134 ms

Loss rate: 0.65%

Run 6: Report of Vivace-loss — Data Link

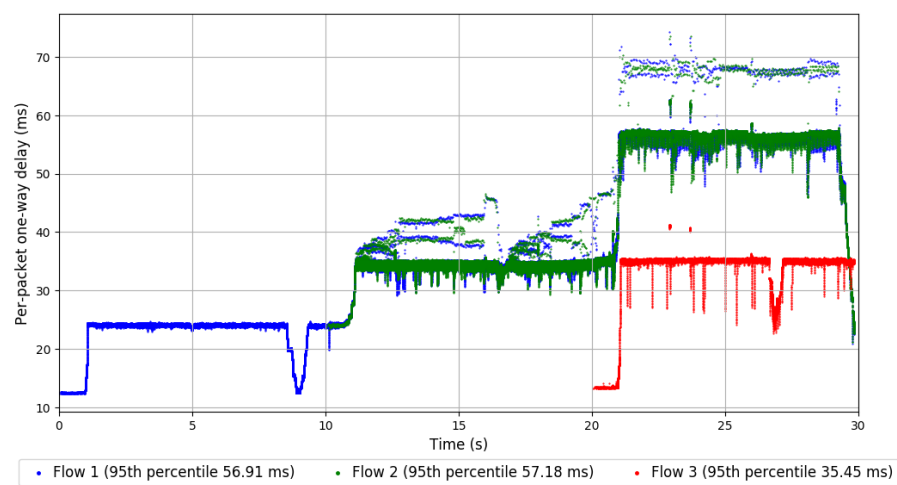
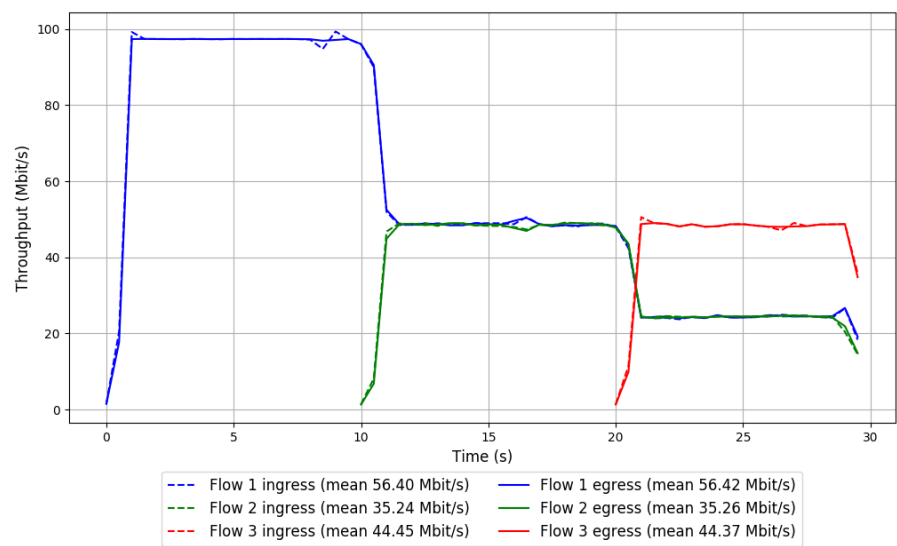


Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 16:28:36
End at: 2018-03-13 16:29:06
Local clock offset: 2.659 ms
Remote clock offset: -7.342 ms

Below is generated by plot.py at 2018-03-13 21:39:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 57.002 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 56.910 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 57.176 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 35.451 ms
Loss rate: 0.51%

Run 7: Report of Vivace-loss — Data Link

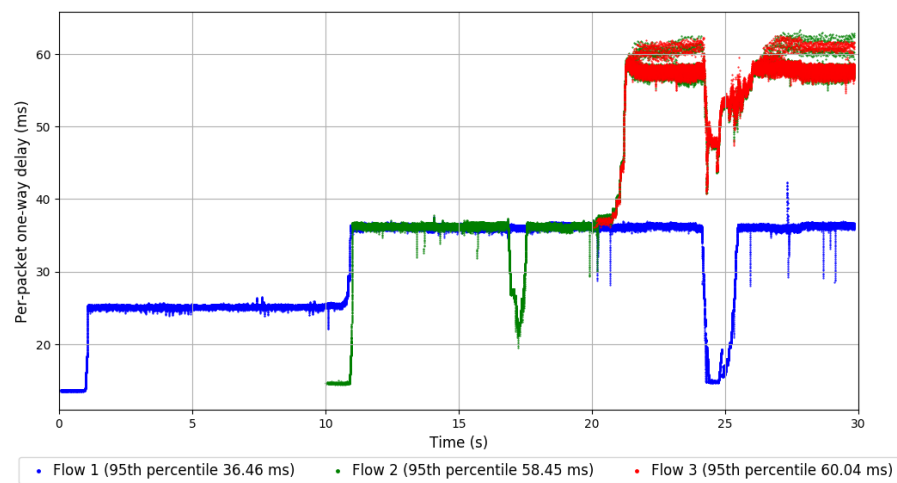
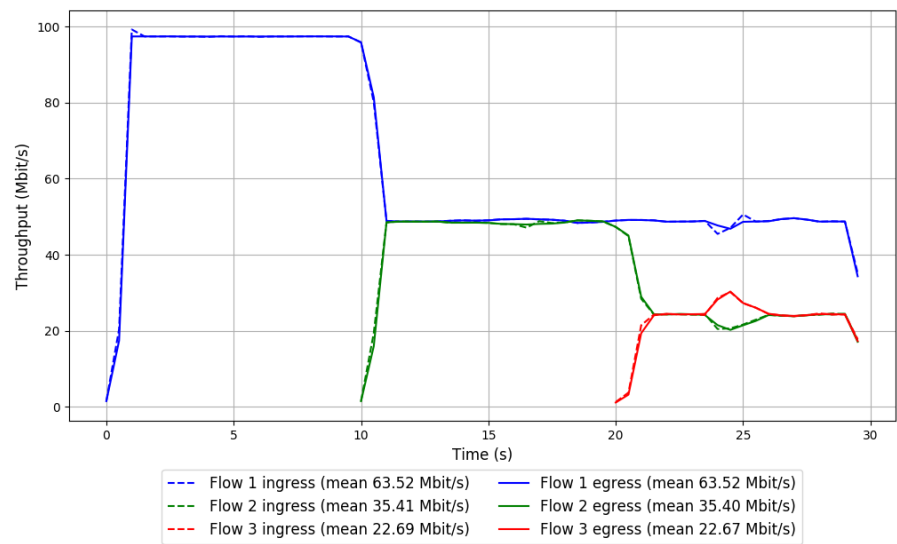


Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 16:49:53
End at: 2018-03-13 16:50:23
Local clock offset: 2.91 ms
Remote clock offset: -1.986 ms

Below is generated by plot.py at 2018-03-13 21:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 58.142 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 36.456 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 58.446 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 60.041 ms
Loss rate: 0.75%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 17:10:53

End at: 2018-03-13 17:11:23

Local clock offset: 3.865 ms

Remote clock offset: 3.286 ms

Below is generated by plot.py at 2018-03-13 21:40:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 46.136 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 46.002 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 46.235 ms

Loss rate: 0.25%

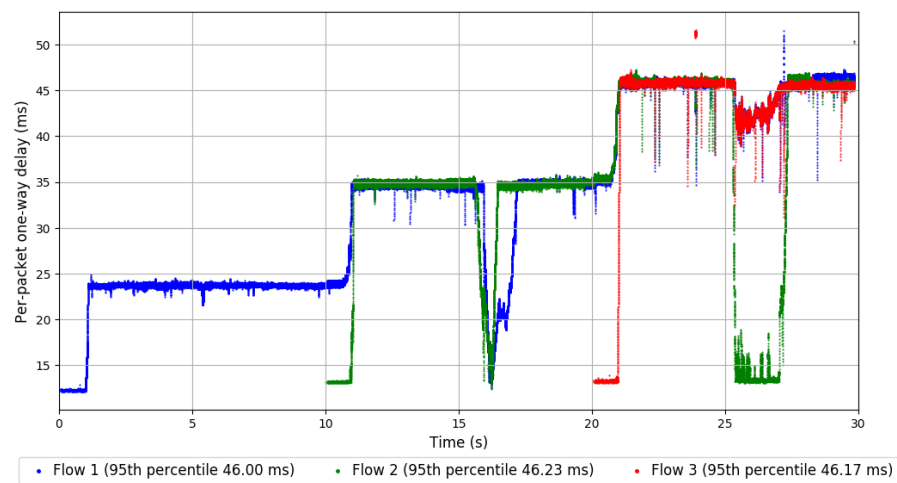
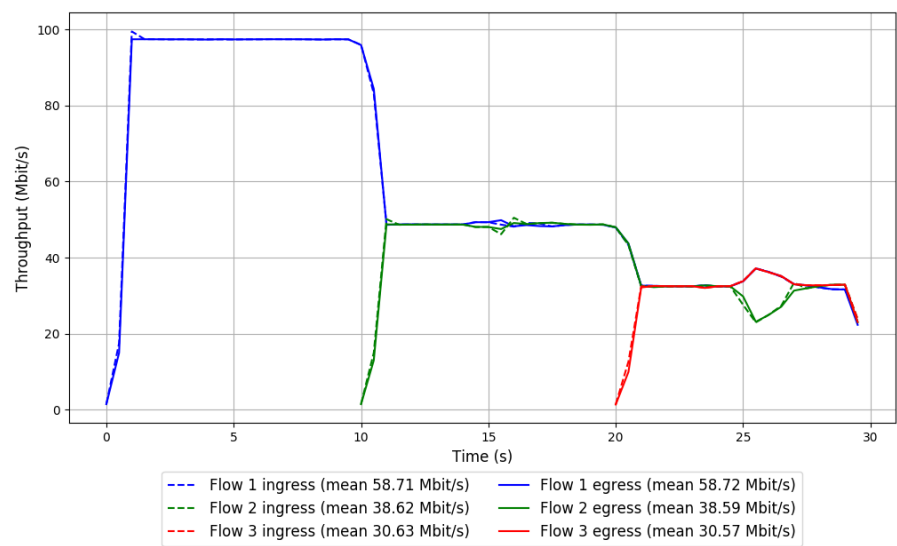
-- Flow 3:

Average throughput: 30.57 Mbit/s

95th percentile per-packet one-way delay: 46.167 ms

Loss rate: 0.64%

Run 9: Report of Vivace-loss — Data Link

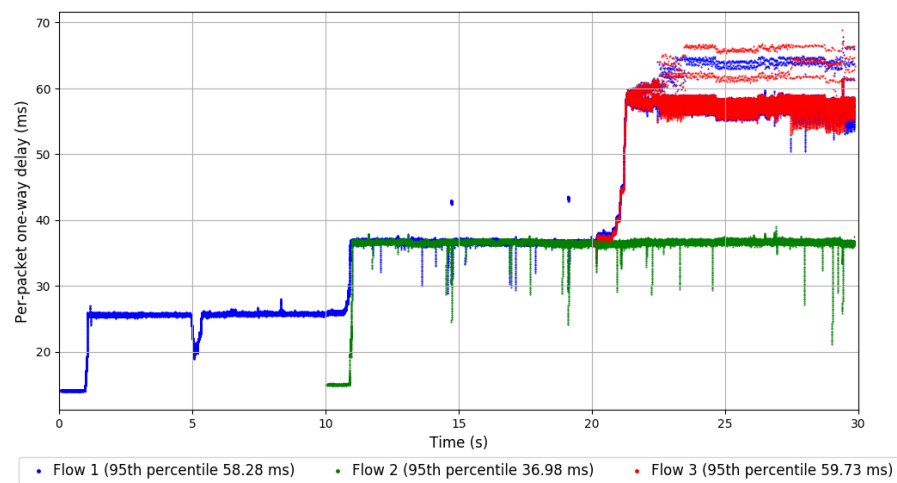
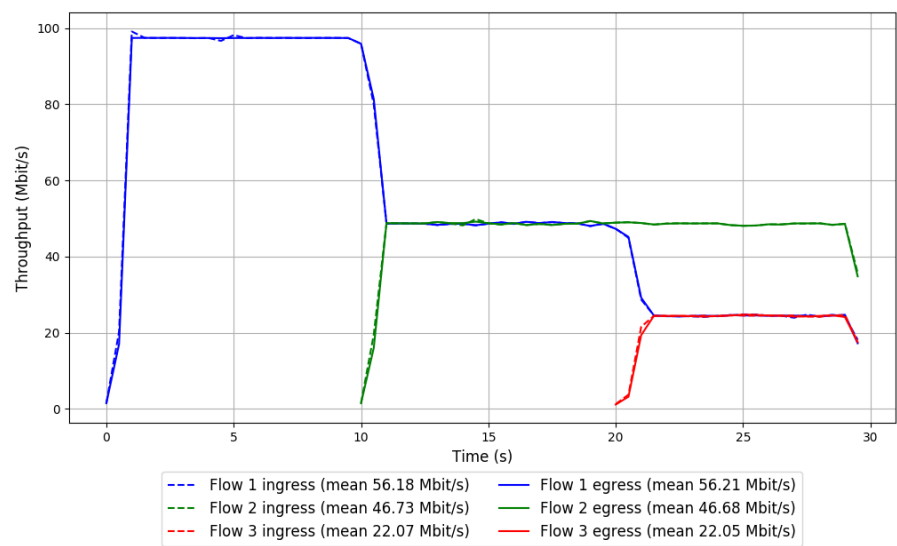


Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 17:31:59
End at: 2018-03-13 17:32:29
Local clock offset: 5.177 ms
Remote clock offset: -0.962 ms

Below is generated by plot.py at 2018-03-13 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 58.409 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 58.285 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 36.983 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 59.727 ms
Loss rate: 0.72%

Run 10: Report of Vivace-loss — Data Link

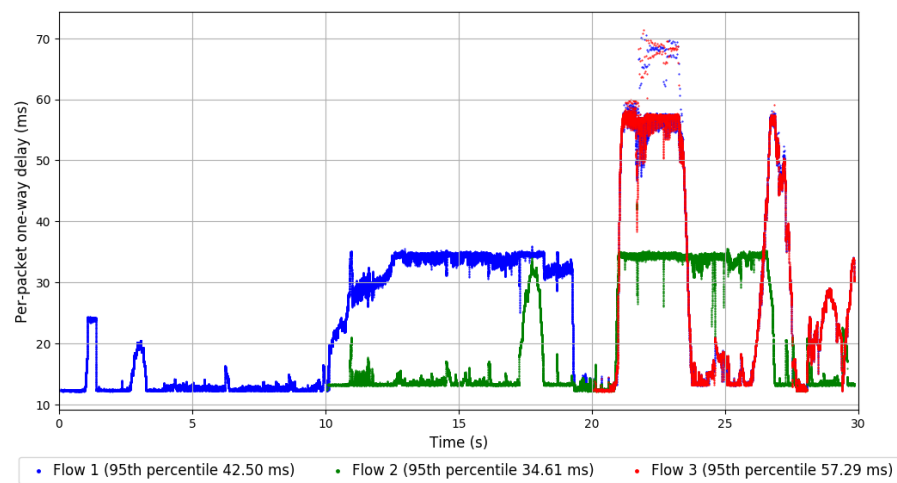
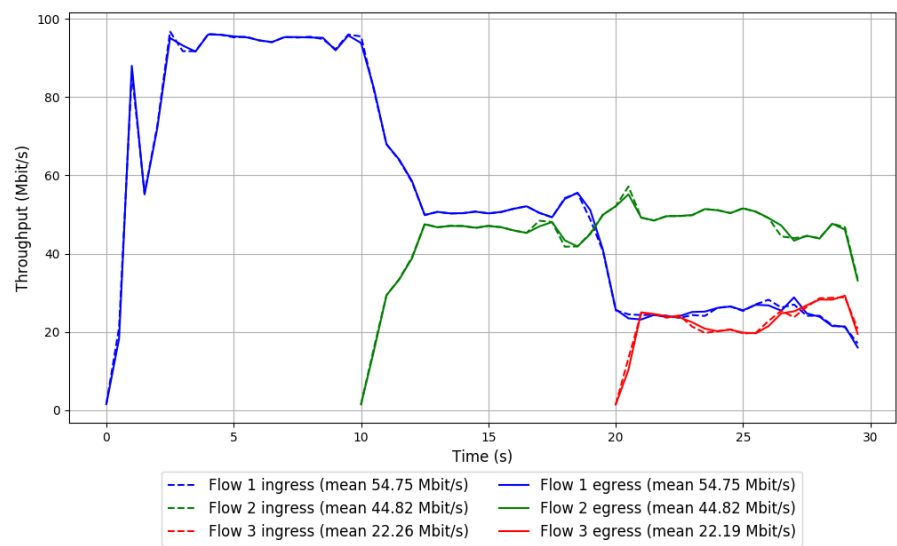


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 14:15:00
End at: 2018-03-13 14:15:30
Local clock offset: 3.855 ms
Remote clock offset: -4.641 ms

Below is generated by plot.py at 2018-03-13 21:40:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 49.099 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 42.498 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 34.612 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 57.289 ms
Loss rate: 0.56%

Run 1: Report of Vivace-LTE — Data Link

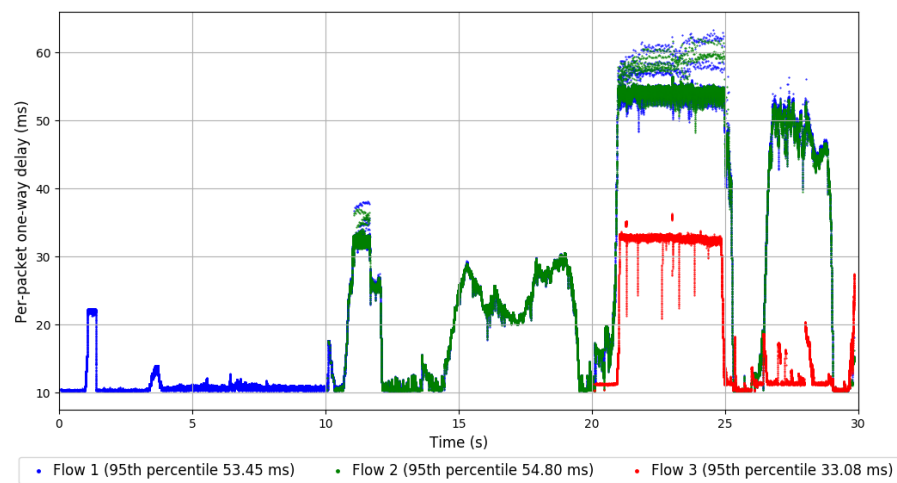
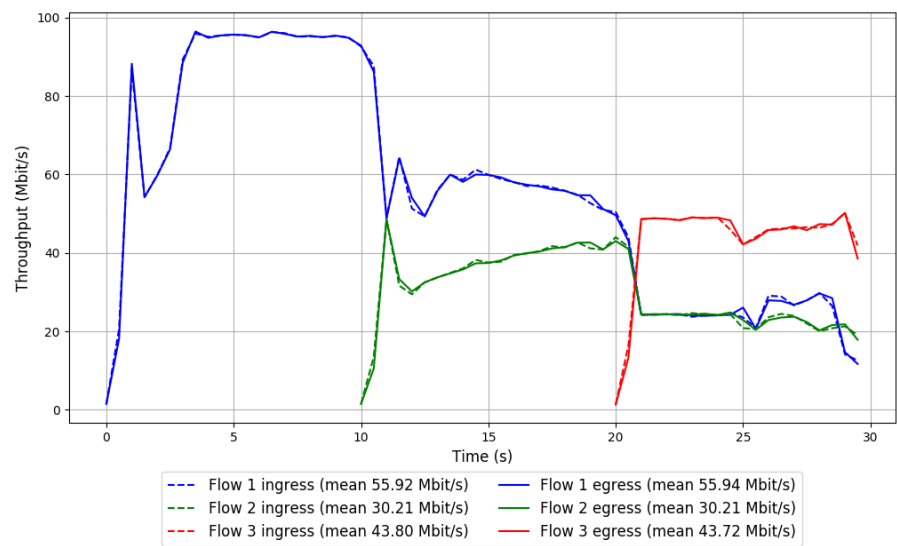


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 14:36:30
End at: 2018-03-13 14:37:00
Local clock offset: 3.055 ms
Remote clock offset: -3.591 ms

Below is generated by plot.py at 2018-03-13 21:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: 54.169 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 53.455 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 54.795 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 33.080 ms
Loss rate: 0.52%

Run 2: Report of Vivace-LTE — Data Link

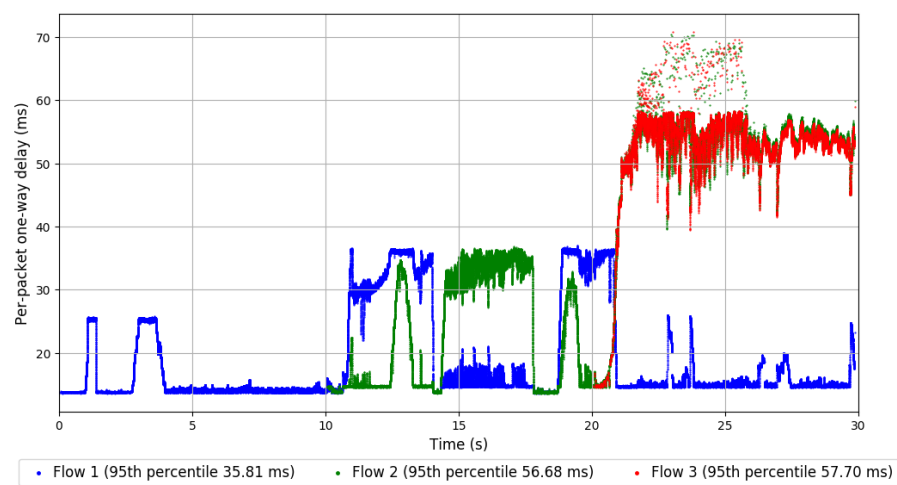
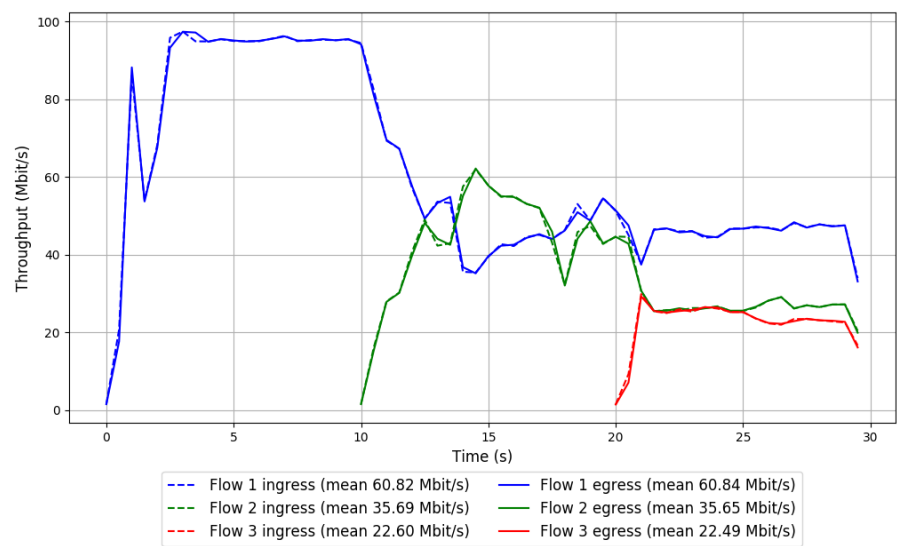


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 14:57:55
End at: 2018-03-13 14:58:25
Local clock offset: 3.812 ms
Remote clock offset: -6.149 ms

Below is generated by plot.py at 2018-03-13 21:40:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 55.351 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 35.815 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 56.682 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 57.697 ms
Loss rate: 0.63%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 15:19:03

End at: 2018-03-13 15:19:33

Local clock offset: 2.678 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2018-03-13 21:40:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 59.525 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 55.68 Mbit/s

95th percentile per-packet one-way delay: 58.856 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 60.010 ms

Loss rate: 0.15%

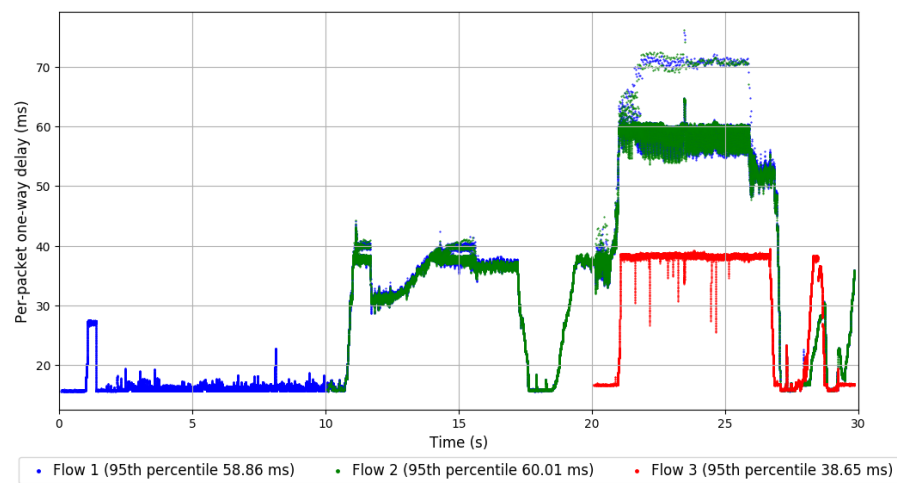
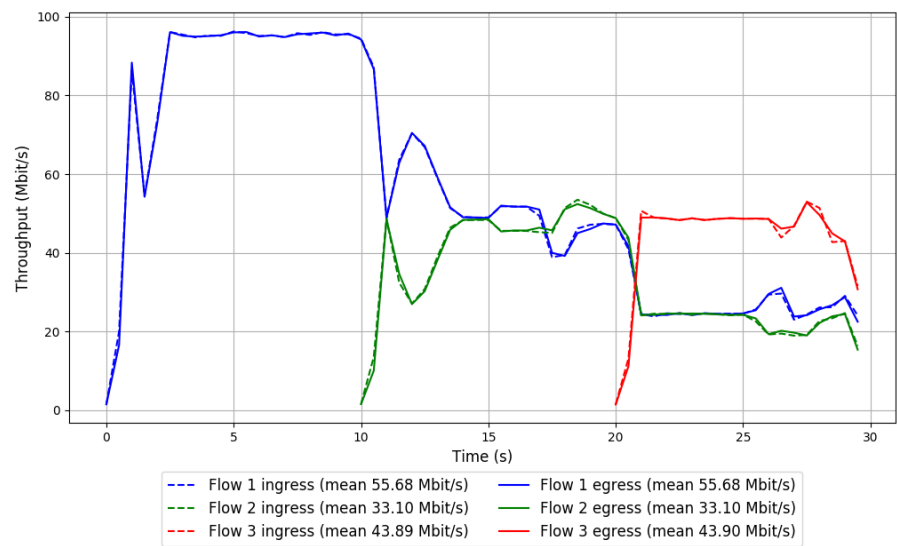
-- Flow 3:

Average throughput: 43.90 Mbit/s

95th percentile per-packet one-way delay: 38.653 ms

Loss rate: 0.27%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 15:40:23

End at: 2018-03-13 15:40:53

Local clock offset: 3.19 ms

Remote clock offset: 2.439 ms

Below is generated by plot.py at 2018-03-13 21:40:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.82 Mbit/s

95th percentile per-packet one-way delay: 56.525 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 55.54 Mbit/s

95th percentile per-packet one-way delay: 55.928 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 57.422 ms

Loss rate: 0.13%

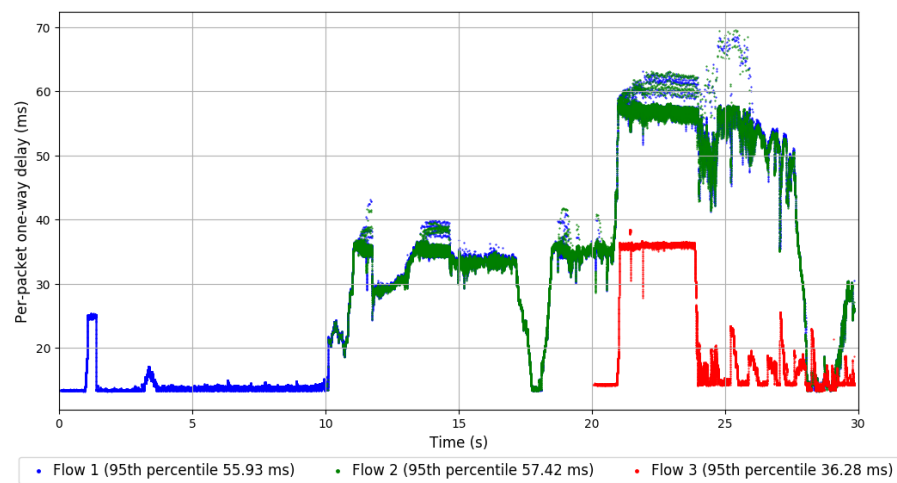
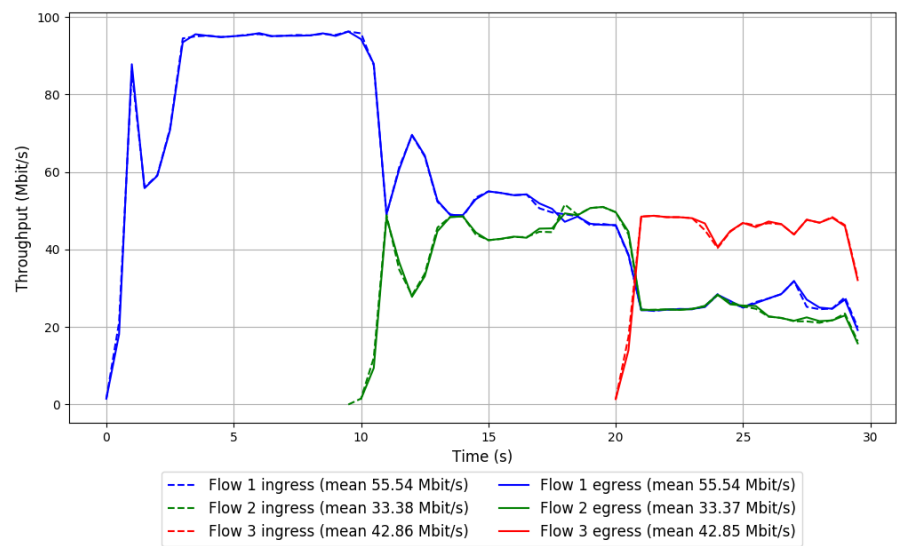
-- Flow 3:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 36.281 ms

Loss rate: 0.27%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 16:01:34

End at: 2018-03-13 16:02:04

Local clock offset: 5.31 ms

Remote clock offset: 2.078 ms

Below is generated by plot.py at 2018-03-13 21:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 54.814 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 37.377 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 35.41 Mbit/s

95th percentile per-packet one-way delay: 56.942 ms

Loss rate: 0.23%

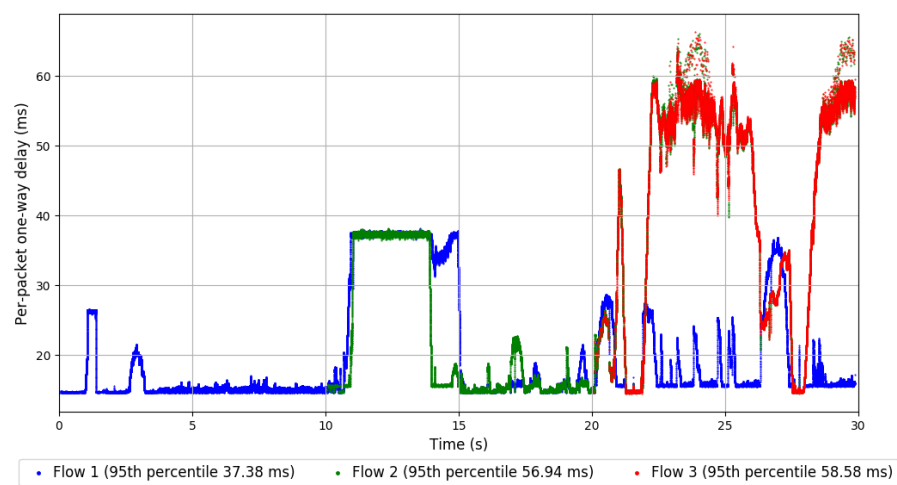
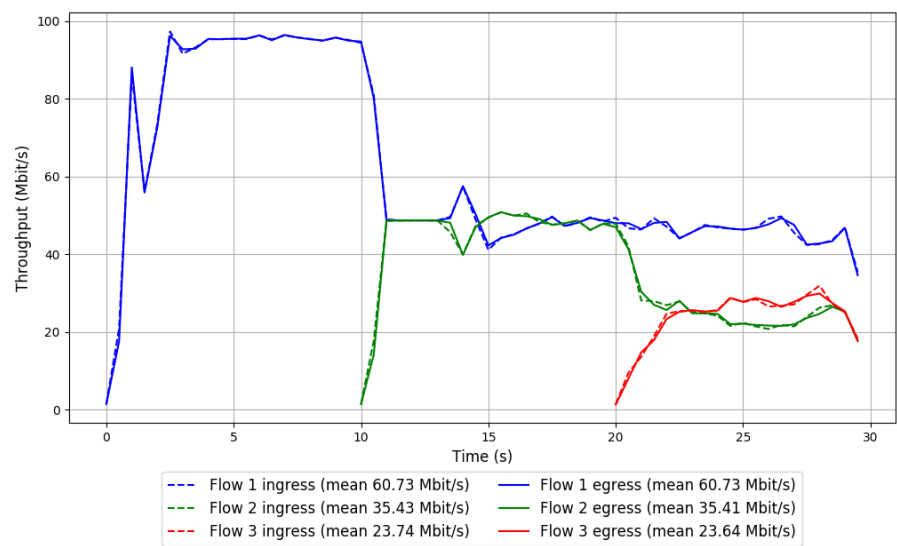
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 58.580 ms

Loss rate: 0.70%

Run 6: Report of Vivace-LTE — Data Link

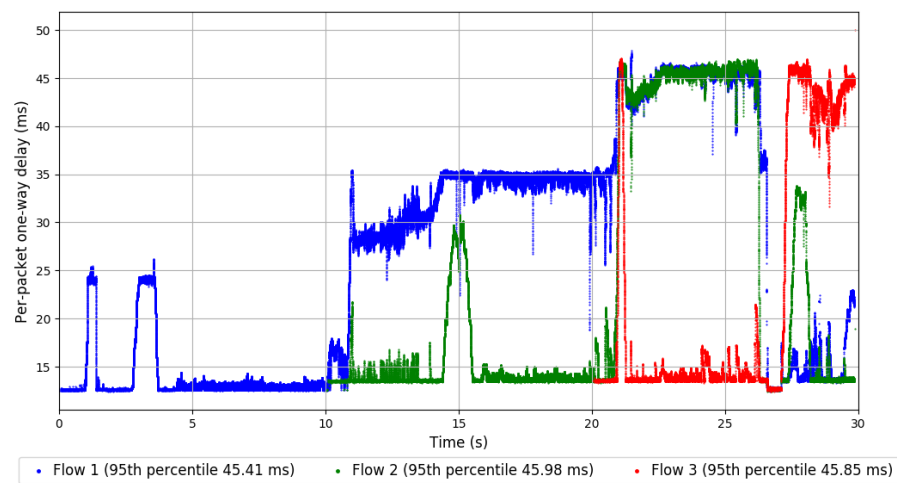
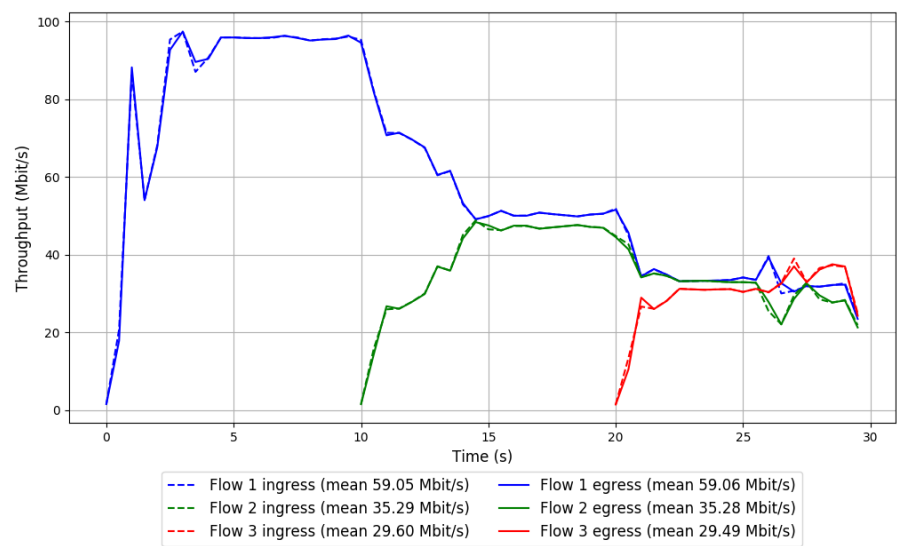


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 16:22:43
End at: 2018-03-13 16:23:13
Local clock offset: 3.787 ms
Remote clock offset: -5.854 ms

Below is generated by plot.py at 2018-03-13 21:41:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 45.415 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 45.980 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 45.847 ms
Loss rate: 0.63%

Run 7: Report of Vivace-LTE — Data Link

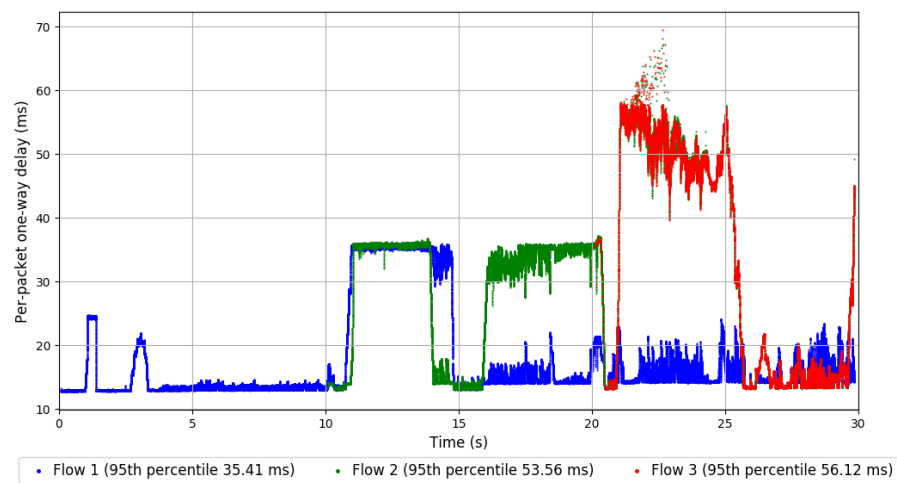
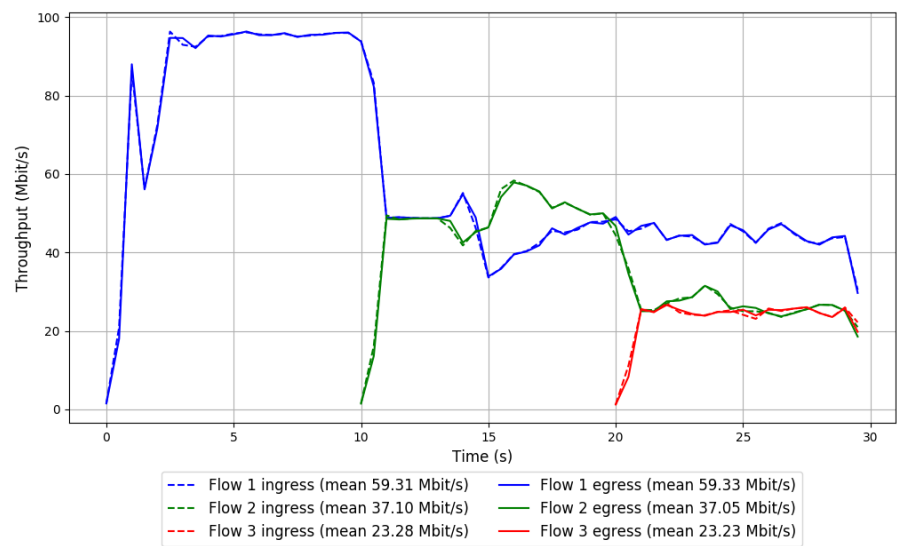


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 16:43:58
End at: 2018-03-13 16:44:28
Local clock offset: 2.492 ms
Remote clock offset: -6.157 ms

Below is generated by plot.py at 2018-03-13 21:41:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 49.493 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 35.408 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 53.563 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 56.124 ms
Loss rate: 0.73%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 17:04:58

End at: 2018-03-13 17:05:28

Local clock offset: 3.314 ms

Remote clock offset: 1.731 ms

Below is generated by plot.py at 2018-03-13 21:41:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 39.464 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 61.65 Mbit/s

95th percentile per-packet one-way delay: 35.514 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 44.234 ms

Loss rate: 0.08%

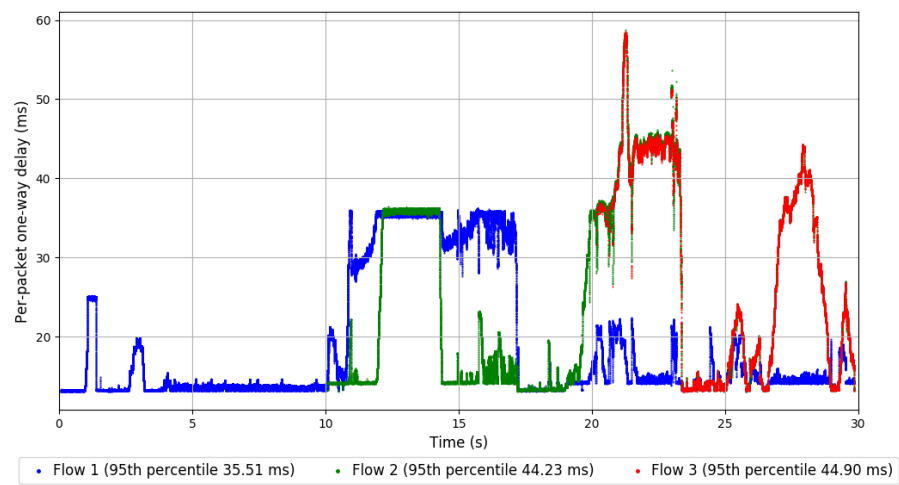
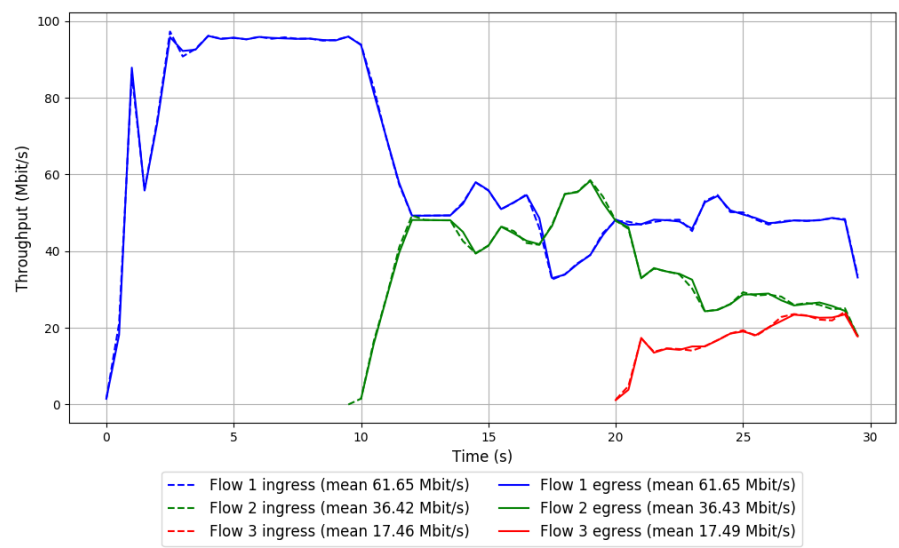
-- Flow 3:

Average throughput: 17.49 Mbit/s

95th percentile per-packet one-way delay: 44.903 ms

Loss rate: 0.32%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 17:26:03
End at: 2018-03-13 17:26:33
Local clock offset: 3.576 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-03-13 21:41:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 45.507 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 35.037 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 48.096 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 49.015 ms
Loss rate: 0.33%

Run 10: Report of Vivace-LTE — Data Link

