

Pantheon Report

Generated at 2017-10-12 10:14:31 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

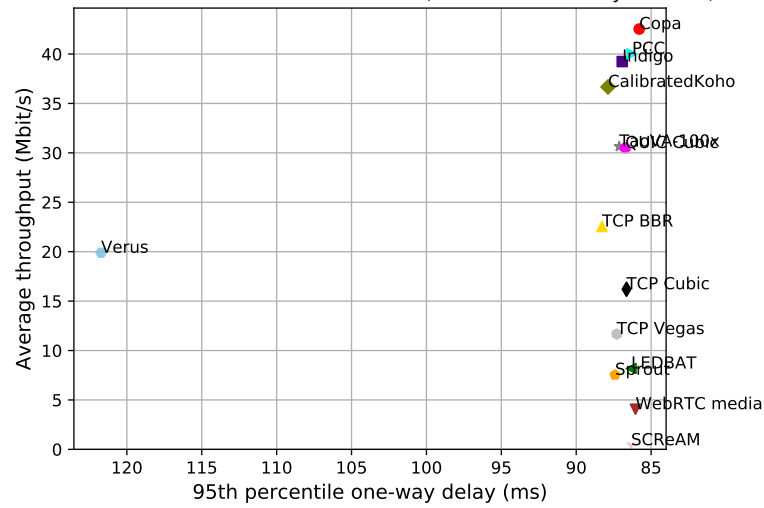
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

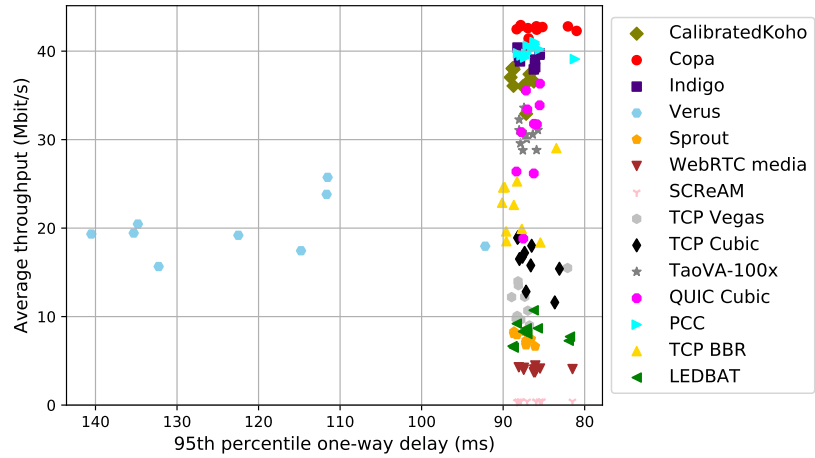
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



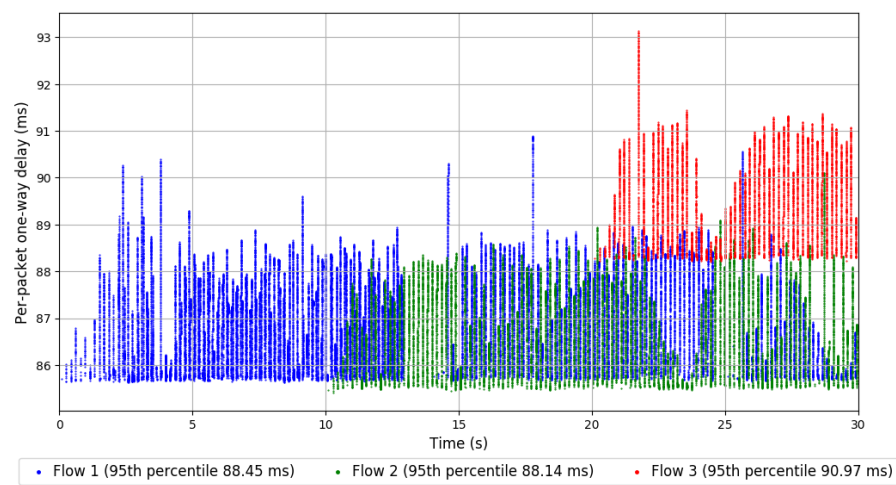
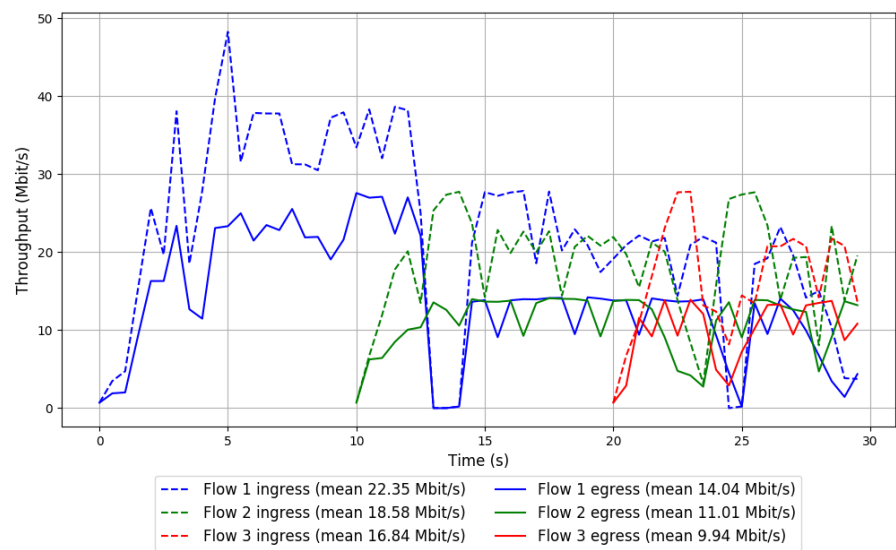
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	10.72	12.88	10.04	87.44	87.80	88.12	40.63	42.14	41.31
TCP Cubic	10	8.16	7.60	9.00	85.83	86.48	86.30	2.67	2.55	5.66
LEDBAT	10	4.78	3.65	2.96	86.11	85.36	85.58	0.85	1.05	0.91
PCC	10	36.01	4.67	2.76	85.74	86.05	85.74	3.70	5.61	7.40
QUIC Cubic	10	18.84	12.99	9.26	86.16	85.77	86.40	0.85	1.20	1.11
SCReAM	10	0.21	0.21	0.21	86.23	85.55	85.56	0.03	0.16	0.15
WebRTC media	10	2.27	1.40	0.41	85.44	85.81	86.09	0.09	0.14	0.96
Sprout	10	3.96	3.66	3.49	86.99	87.21	87.27	0.51	0.53	0.10
TaoVA-100x	10	18.70	13.34	11.94	86.09	86.91	86.22	30.56	20.46	23.71
TCP Vegas	10	5.03	6.48	7.00	86.70	87.09	87.12	2.27	3.25	5.35
Verus	9	9.75	13.37	4.32	112.05	116.04	108.47	80.66	87.17	74.05
Copa	10	42.53	0.00	0.00	85.80	85.71	85.48	68.92	77.49	80.76
CalibratedKoho	10	25.82	12.62	7.42	87.69	86.73	87.77	68.77	65.11	50.98
Indigo	10	23.41	18.05	12.26	86.65	86.20	86.26	76.99	83.37	87.67

Run 1: Statistics of TCP BBR

Start at: 2017-10-12 06:57:04
End at: 2017-10-12 06:57:34
Local clock offset: 0.672 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2017-10-12 10:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 89.991 ms
Loss rate: 38.79%
-- Flow 1:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 88.448 ms
Loss rate: 37.19%
-- Flow 2:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 88.139 ms
Loss rate: 40.71%
-- Flow 3:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 90.967 ms
Loss rate: 40.99%

Run 1: Report of TCP BBR — Data Link

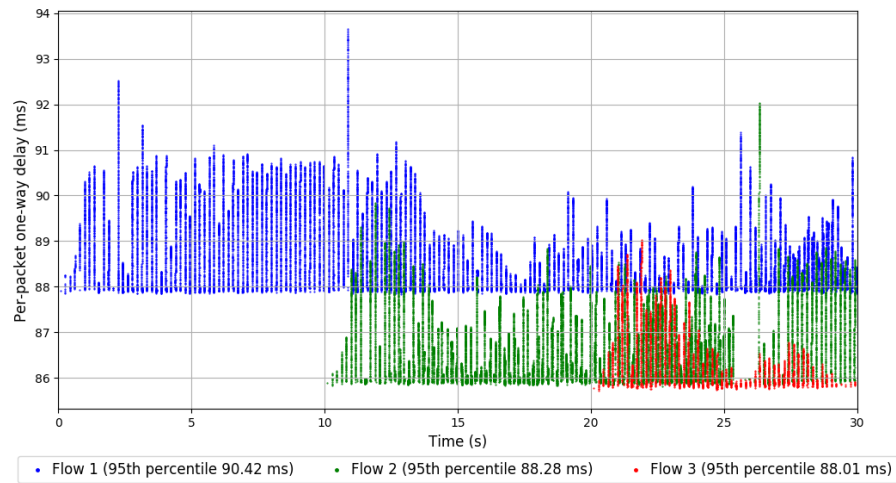
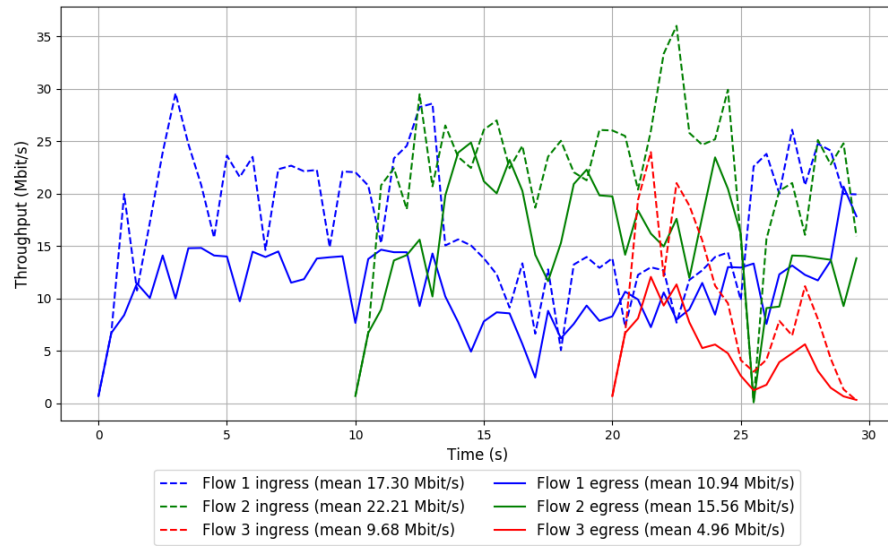


Run 2: Statistics of TCP BBR

Start at: 2017-10-12 07:15:23
End at: 2017-10-12 07:15:53
Local clock offset: 0.666 ms
Remote clock offset: -4.225 ms

Below is generated by plot.py at 2017-10-12 10:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 90.127 ms
Loss rate: 35.00%
-- Flow 1:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 90.421 ms
Loss rate: 36.77%
-- Flow 2:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 88.276 ms
Loss rate: 29.94%
-- Flow 3:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 88.009 ms
Loss rate: 48.79%

Run 2: Report of TCP BBR — Data Link

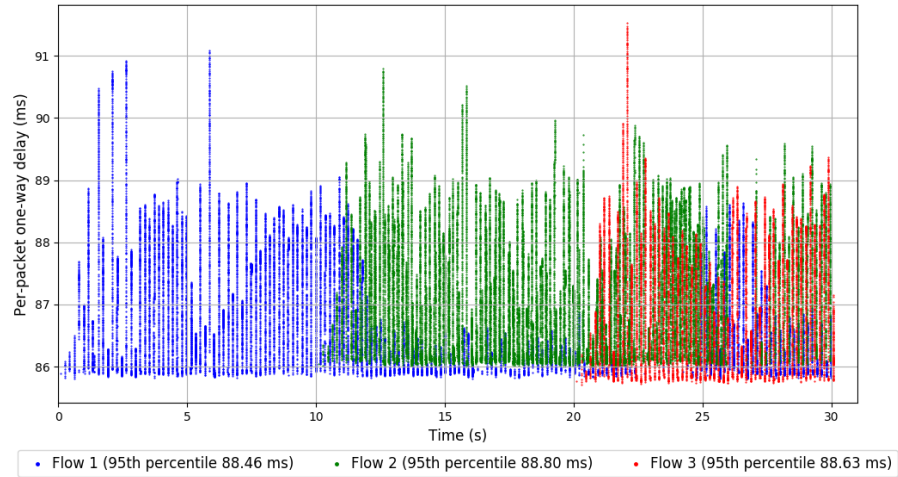
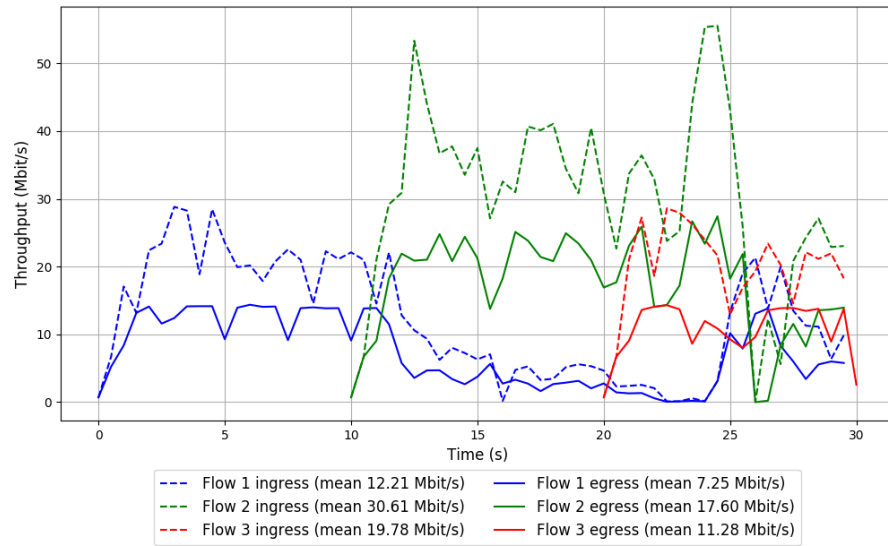


Run 3: Statistics of TCP BBR

Start at: 2017-10-12 07:33:42
End at: 2017-10-12 07:34:12
Local clock offset: 0.615 ms
Remote clock offset: -4.391 ms

Below is generated by plot.py at 2017-10-12 10:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 88.692 ms
Loss rate: 42.00%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 88.464 ms
Loss rate: 40.63%
-- Flow 2:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 88.799 ms
Loss rate: 42.51%
-- Flow 3:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 88.628 ms
Loss rate: 43.00%

Run 3: Report of TCP BBR — Data Link

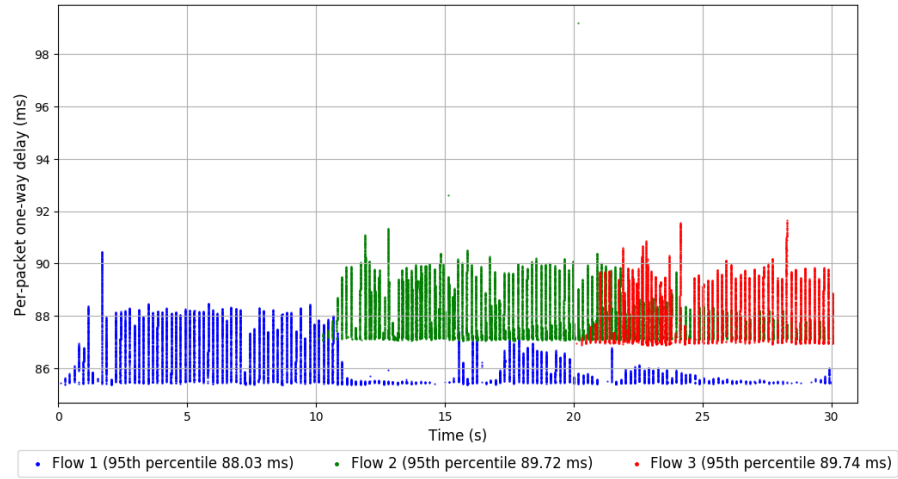
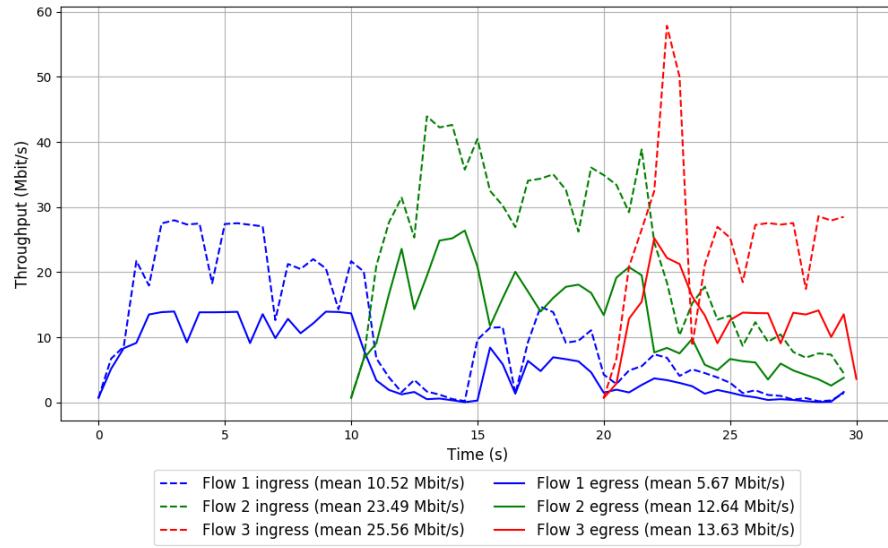


Run 4: Statistics of TCP BBR

Start at: 2017-10-12 07:51:59
End at: 2017-10-12 07:52:29
Local clock offset: 0.667 ms
Remote clock offset: -5.025 ms

Below is generated by plot.py at 2017-10-12 10:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 89.605 ms
Loss rate: 46.28%
-- Flow 1:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 88.030 ms
Loss rate: 46.10%
-- Flow 2:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 89.715 ms
Loss rate: 46.19%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 89.737 ms
Loss rate: 46.66%

Run 4: Report of TCP BBR — Data Link

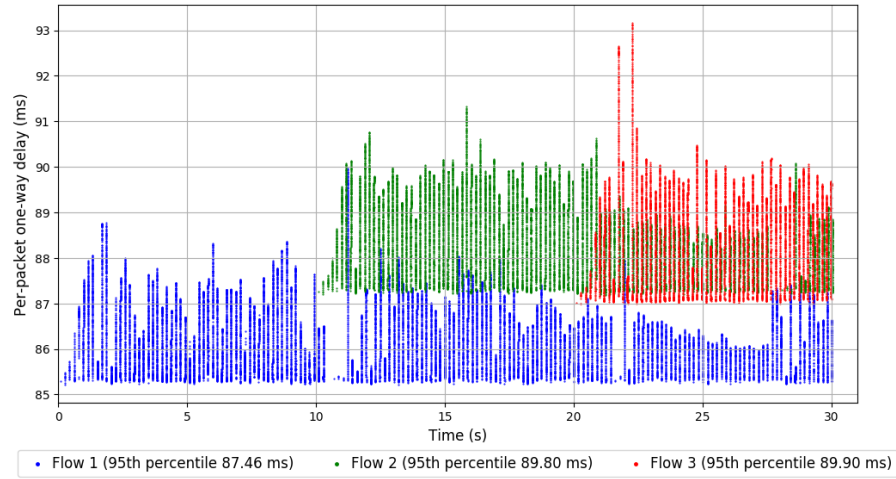
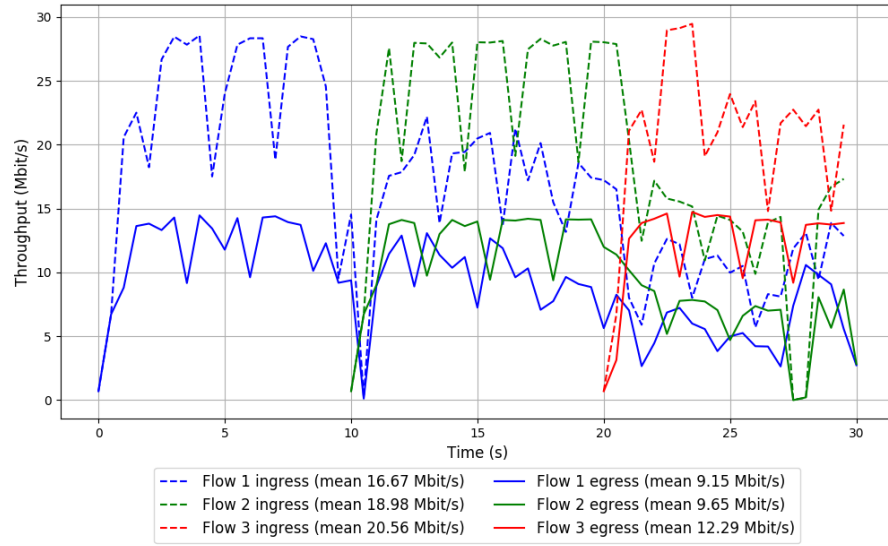


Run 5: Statistics of TCP BBR

Start at: 2017-10-12 08:10:26
End at: 2017-10-12 08:10:56
Local clock offset: 0.582 ms
Remote clock offset: -4.544 ms

Below is generated by plot.py at 2017-10-12 10:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 89.632 ms
Loss rate: 45.58%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 87.458 ms
Loss rate: 45.08%
-- Flow 2:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 89.802 ms
Loss rate: 49.12%
-- Flow 3:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 89.904 ms
Loss rate: 40.20%

Run 5: Report of TCP BBR — Data Link

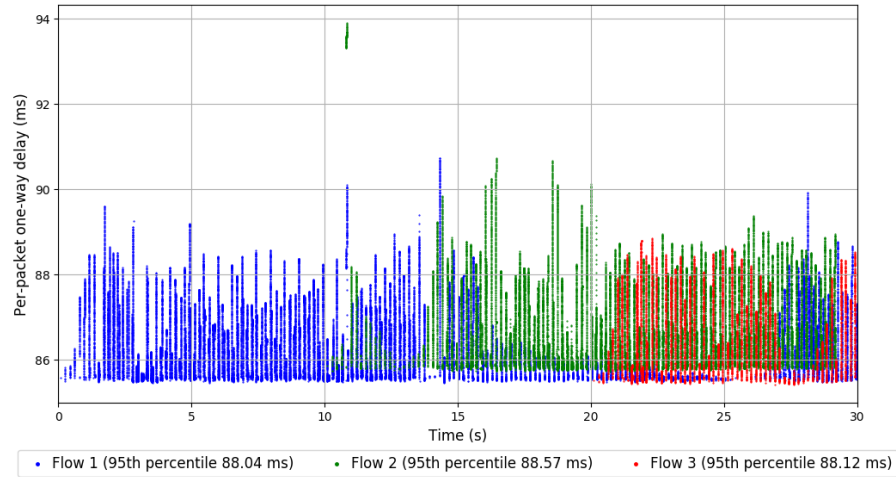
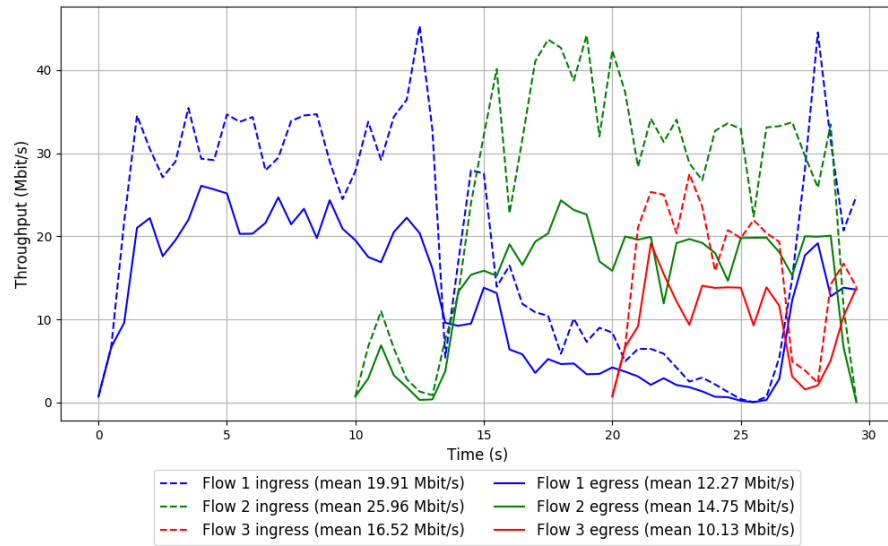


Run 6: Statistics of TCP BBR

Start at: 2017-10-12 08:28:42
End at: 2017-10-12 08:29:12
Local clock offset: 0.657 ms
Remote clock offset: -3.915 ms

Below is generated by plot.py at 2017-10-12 10:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 88.295 ms
Loss rate: 40.58%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 88.039 ms
Loss rate: 38.39%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 88.571 ms
Loss rate: 43.70%
-- Flow 3:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 88.125 ms
Loss rate: 38.71%

Run 6: Report of TCP BBR — Data Link

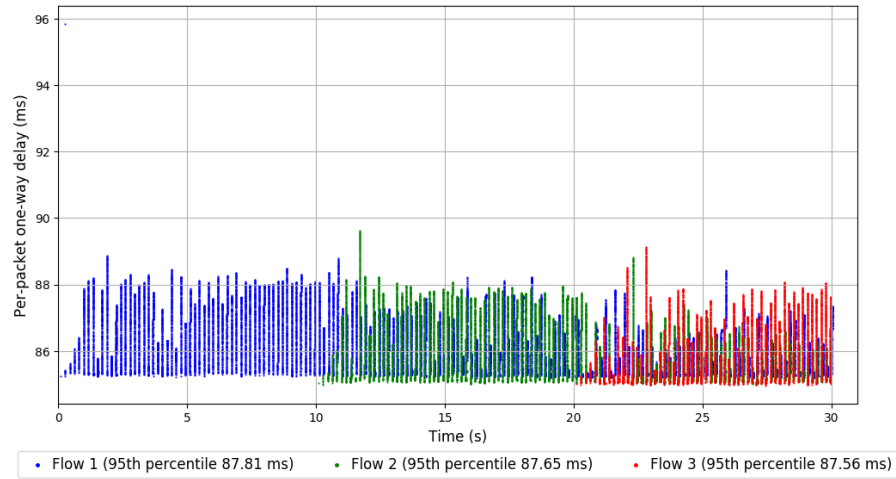
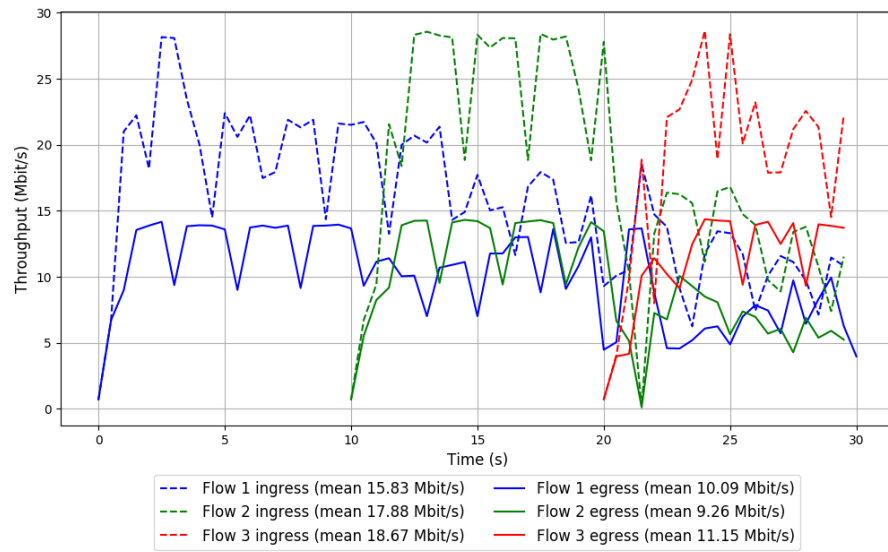


Run 7: Statistics of TCP BBR

Start at: 2017-10-12 08:46:59
End at: 2017-10-12 08:47:29
Local clock offset: 0.697 ms
Remote clock offset: -3.502 ms

Below is generated by plot.py at 2017-10-12 10:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 87.716 ms
Loss rate: 41.17%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 87.807 ms
Loss rate: 36.22%
-- Flow 2:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 48.21%
-- Flow 3:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 40.28%

Run 7: Report of TCP BBR — Data Link

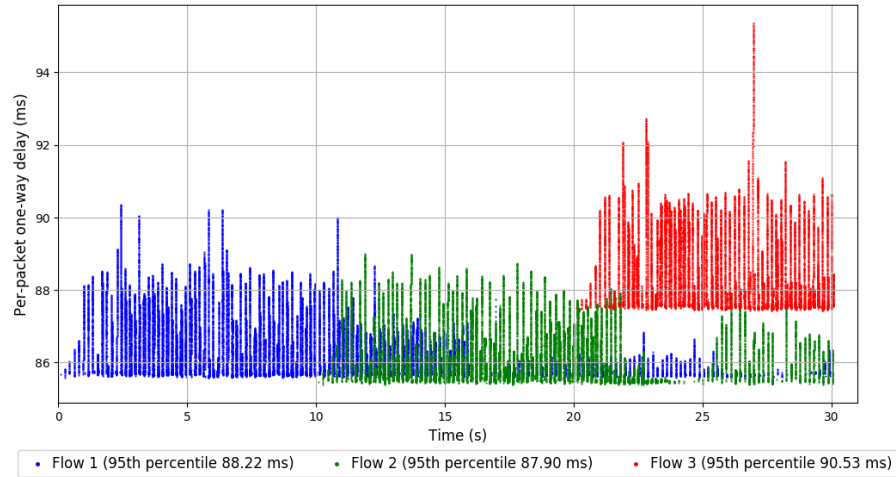
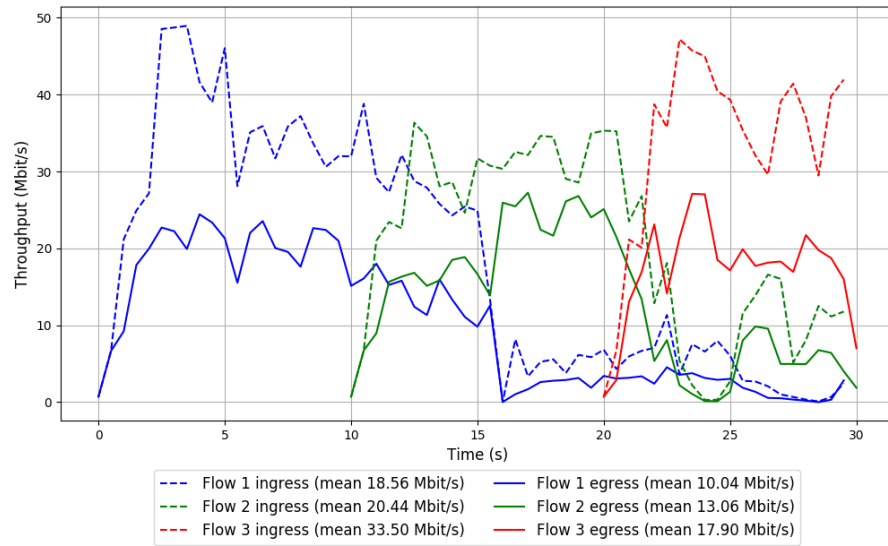


Run 8: Statistics of TCP BBR

Start at: 2017-10-12 09:05:21
End at: 2017-10-12 09:05:51
Local clock offset: 0.669 ms
Remote clock offset: -2.433 ms

Below is generated by plot.py at 2017-10-12 10:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 89.809 ms
Loss rate: 42.99%
-- Flow 1:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 88.217 ms
Loss rate: 45.89%
-- Flow 2:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 87.902 ms
Loss rate: 36.14%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 90.533 ms
Loss rate: 46.57%

Run 8: Report of TCP BBR — Data Link

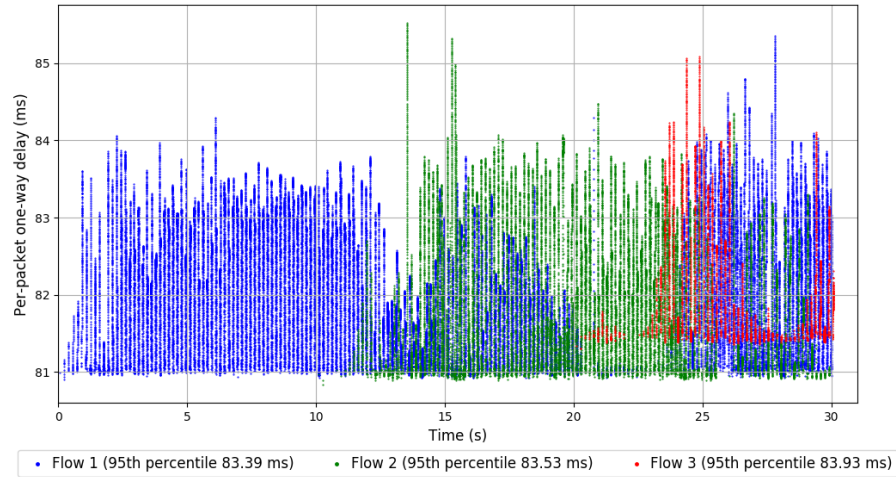
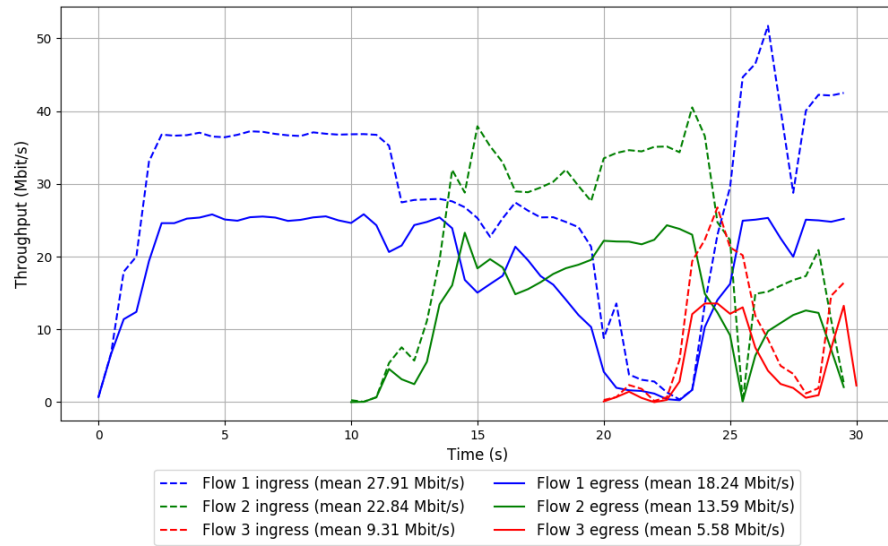


Run 9: Statistics of TCP BBR

Start at: 2017-10-12 09:23:38
End at: 2017-10-12 09:24:08
Local clock offset: 0.654 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 83.473 ms
Loss rate: 36.93%
-- Flow 1:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 83.393 ms
Loss rate: 34.65%
-- Flow 2:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 83.533 ms
Loss rate: 40.49%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 83.928 ms
Loss rate: 40.04%

Run 9: Report of TCP BBR — Data Link

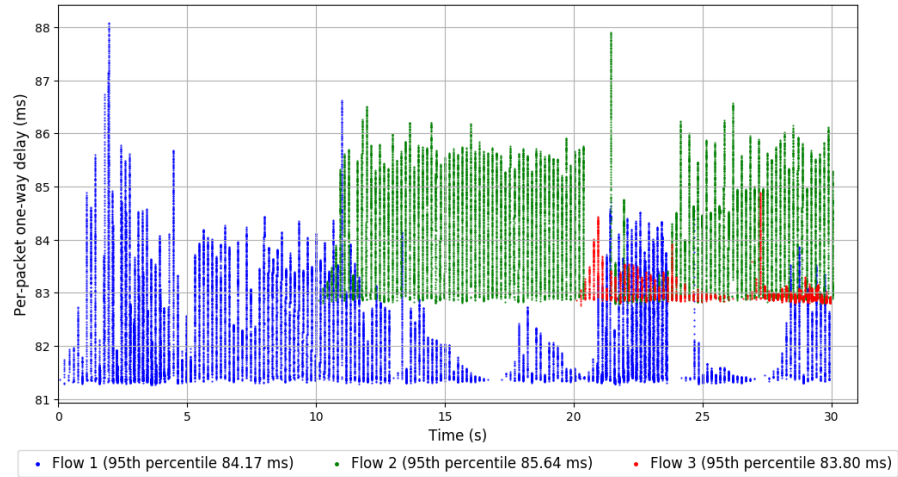
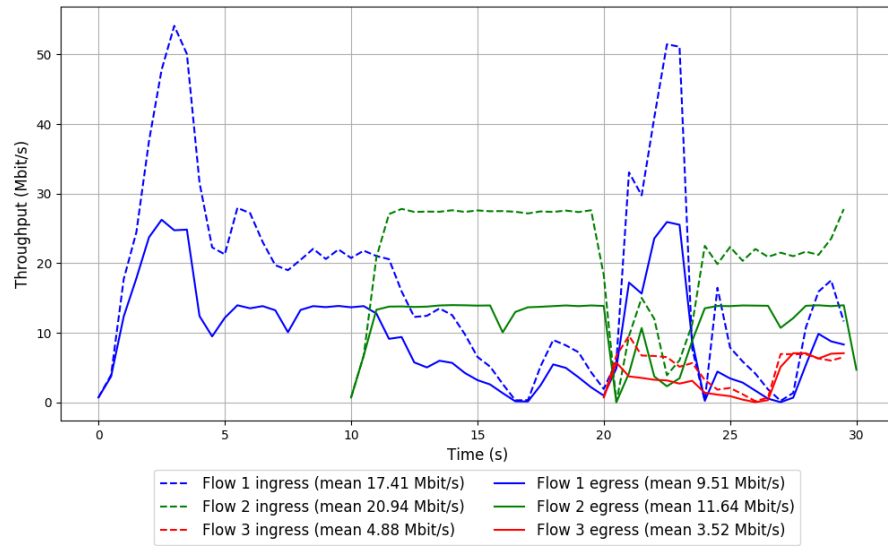


Run 10: Statistics of TCP BBR

Start at: 2017-10-12 09:41:50
End at: 2017-10-12 09:42:20
Local clock offset: 0.685 ms
Remote clock offset: -5.865 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 85.429 ms
Loss rate: 44.10%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 84.165 ms
Loss rate: 45.37%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 85.638 ms
Loss rate: 44.40%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 83.795 ms
Loss rate: 27.88%

Run 10: Report of TCP BBR — Data Link

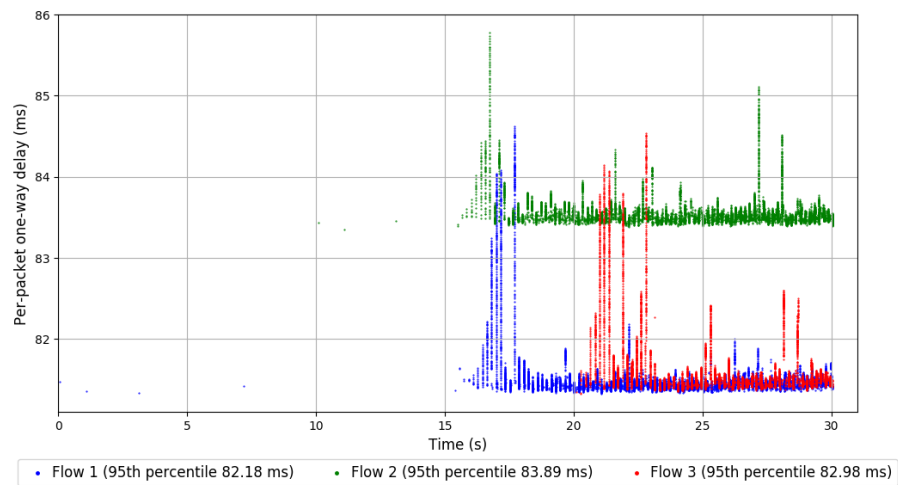
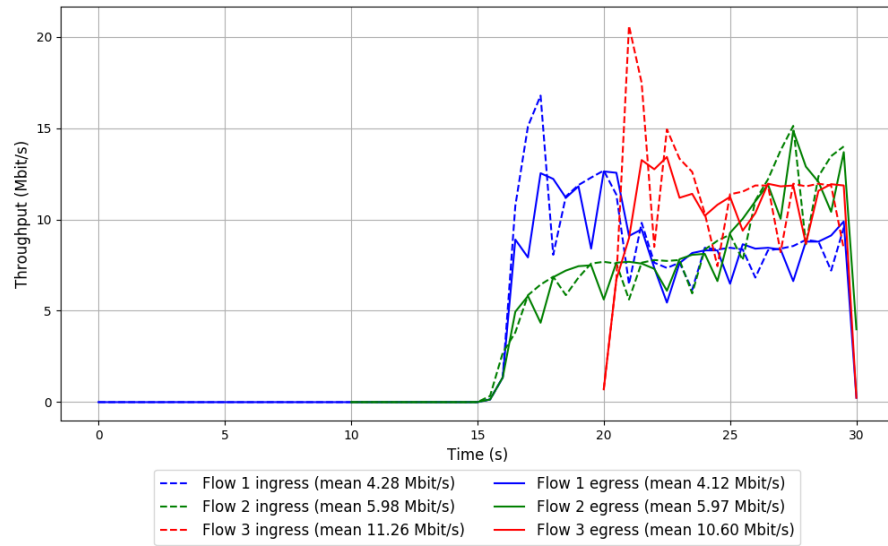


Run 1: Statistics of TCP Cubic

Start at: 2017-10-12 06:55:48
End at: 2017-10-12 06:56:18
Local clock offset: 0.651 ms
Remote clock offset: -8.013 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 83.667 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 82.183 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 83.895 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 82.977 ms
Loss rate: 5.89%

Run 1: Report of TCP Cubic — Data Link

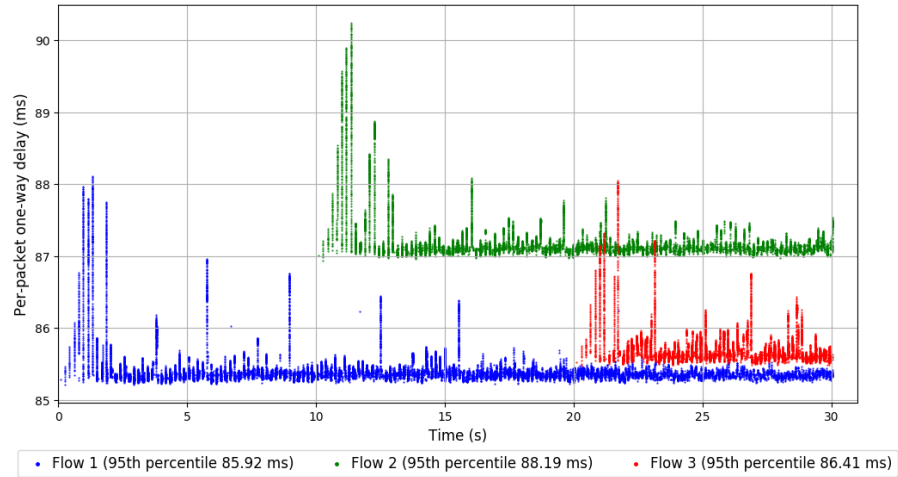
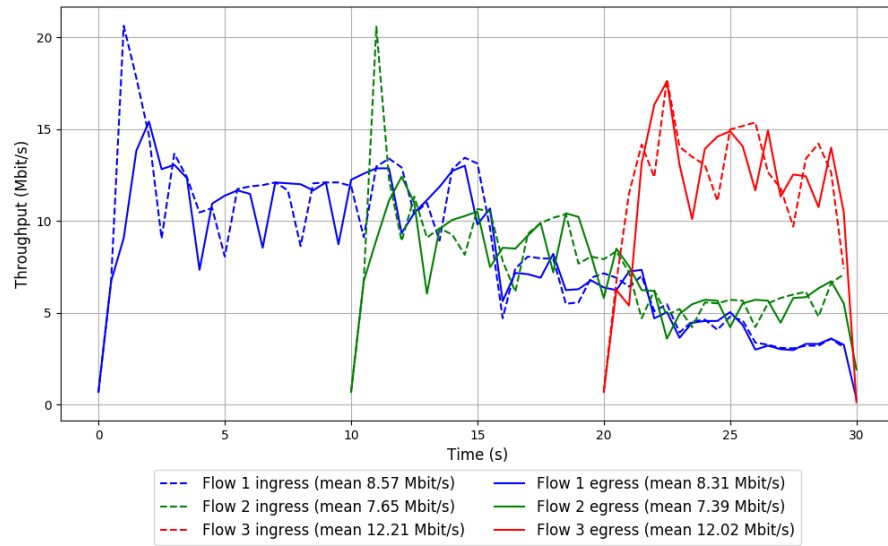


Run 2: Statistics of TCP Cubic

Start at: 2017-10-12 07:14:07
End at: 2017-10-12 07:14:37
Local clock offset: 0.692 ms
Remote clock offset: -4.776 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 87.367 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 85.916 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 88.187 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 86.414 ms
Loss rate: 1.60%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-10-12 07:32:25

End at: 2017-10-12 07:32:55

Local clock offset: 0.609 ms

Remote clock offset: -4.34 ms

Below is generated by plot.py at 2017-10-12 10:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 86.611 ms

Loss rate: 4.15%

-- Flow 1:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 86.261 ms

Loss rate: 2.39%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 86.963 ms

Loss rate: 4.66%

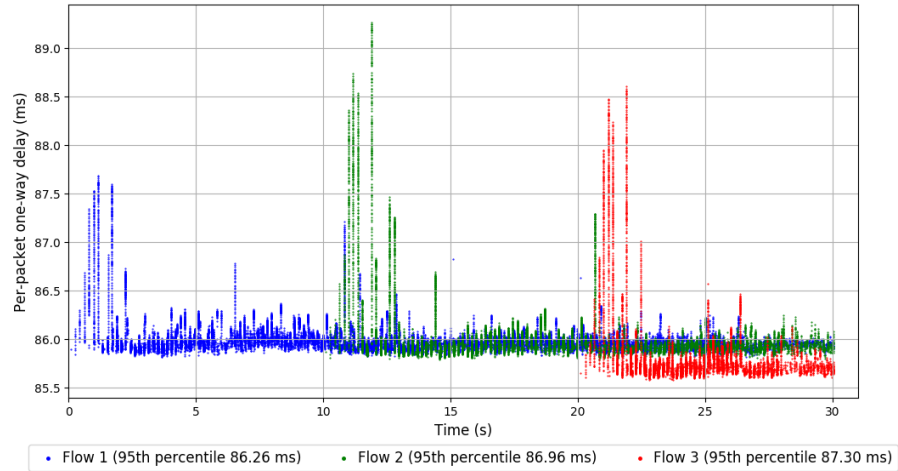
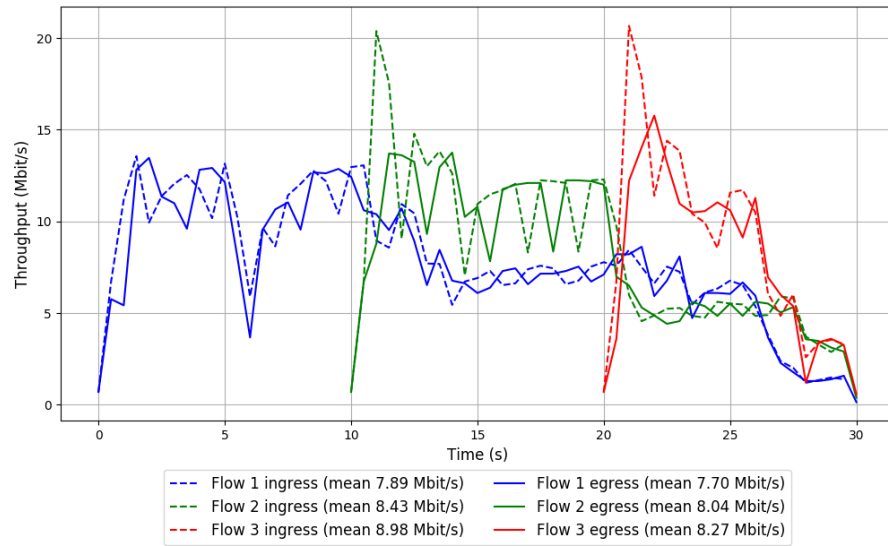
-- Flow 3:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 87.296 ms

Loss rate: 7.87%

Run 3: Report of TCP Cubic — Data Link

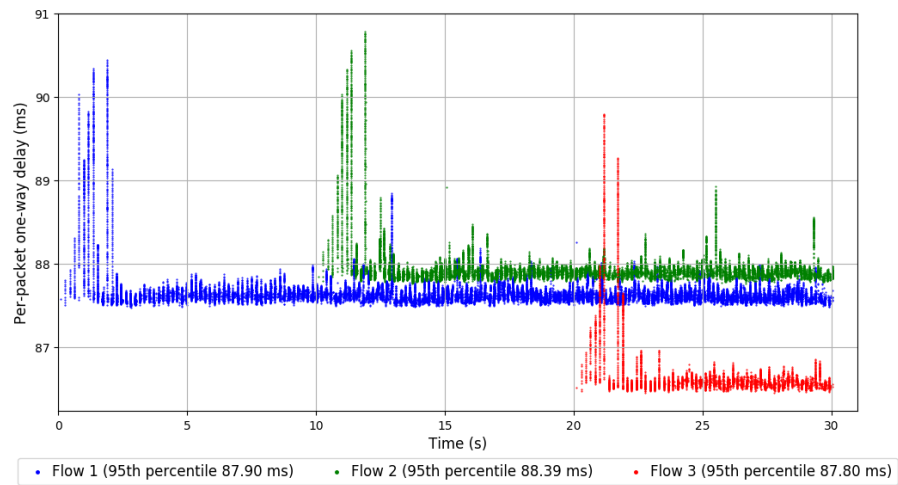
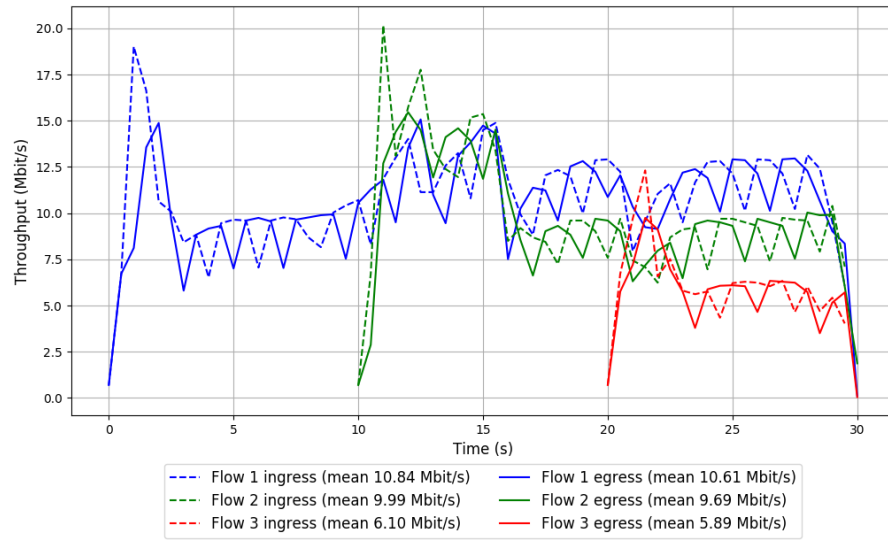


Run 4: Statistics of TCP Cubic

Start at: 2017-10-12 07:50:42
End at: 2017-10-12 07:51:12
Local clock offset: 0.668 ms
Remote clock offset: -4.349 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 88.139 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 87.897 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 88.387 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 87.800 ms
Loss rate: 3.47%

Run 4: Report of TCP Cubic — Data Link

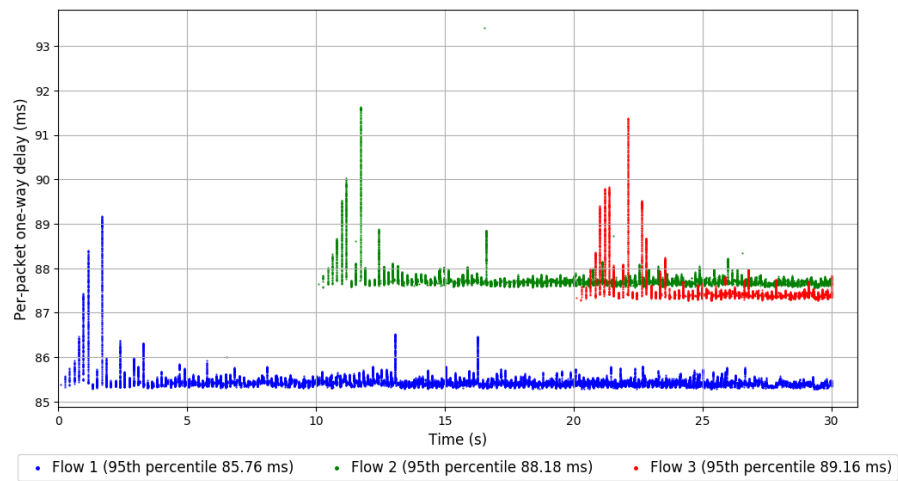
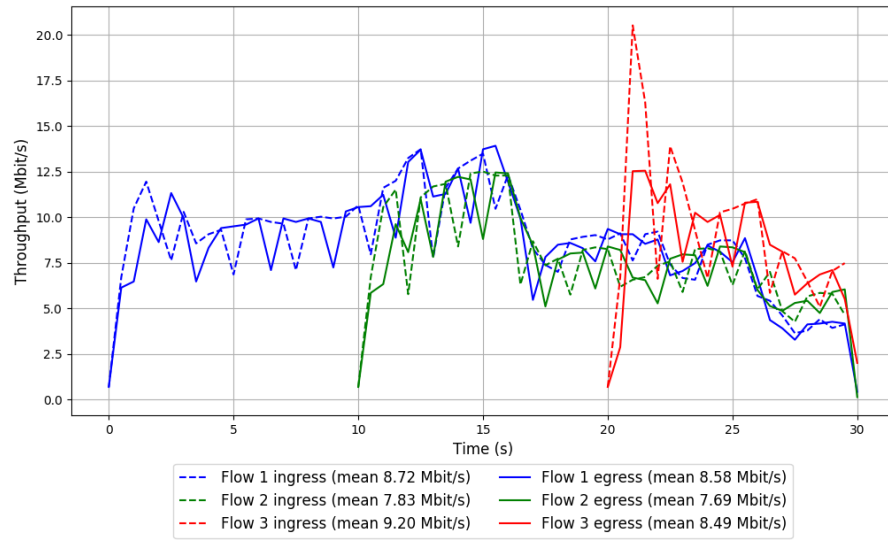


Run 5: Statistics of TCP Cubic

Start at: 2017-10-12 08:09:09
End at: 2017-10-12 08:09:39
Local clock offset: 0.677 ms
Remote clock offset: -4.629 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 88.001 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 85.757 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 88.176 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 89.155 ms
Loss rate: 8.11%

Run 5: Report of TCP Cubic — Data Link

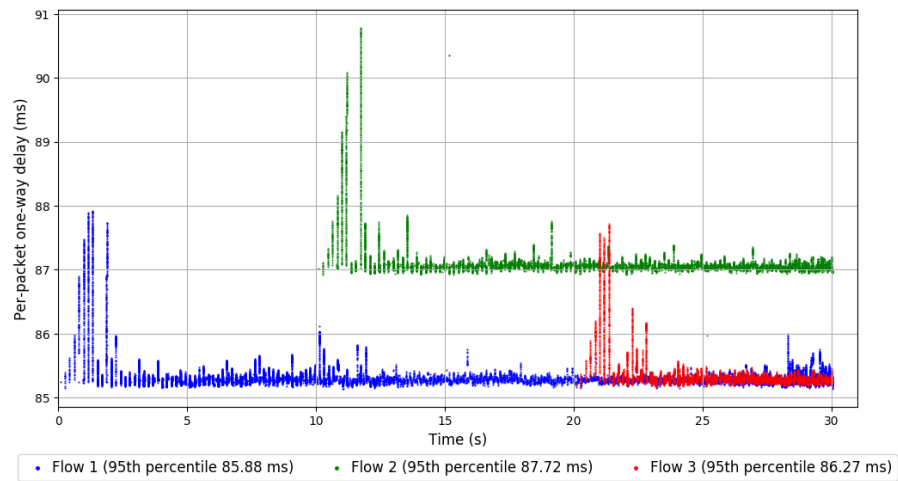
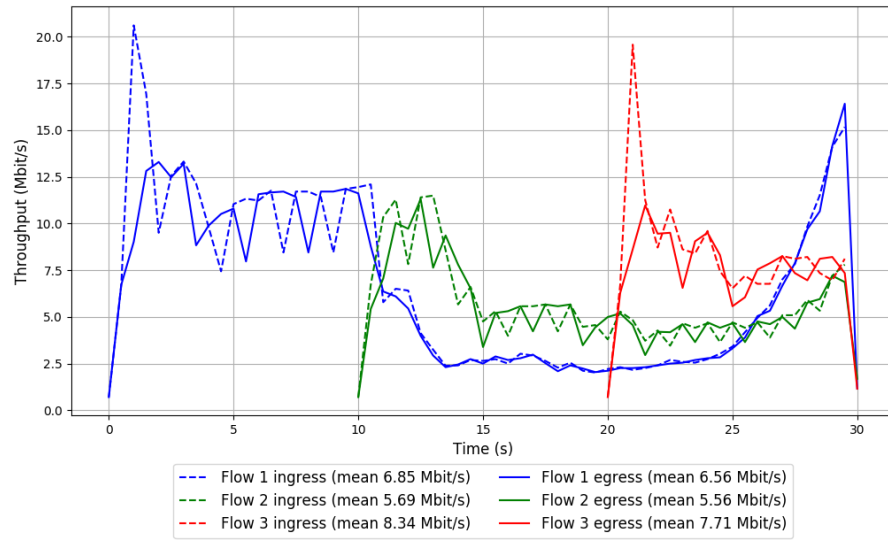


Run 6: Statistics of TCP Cubic

Start at: 2017-10-12 08:27:27
End at: 2017-10-12 08:27:57
Local clock offset: 0.591 ms
Remote clock offset: -4.485 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 87.185 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 85.882 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 87.722 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 86.268 ms
Loss rate: 7.65%

Run 6: Report of TCP Cubic — Data Link

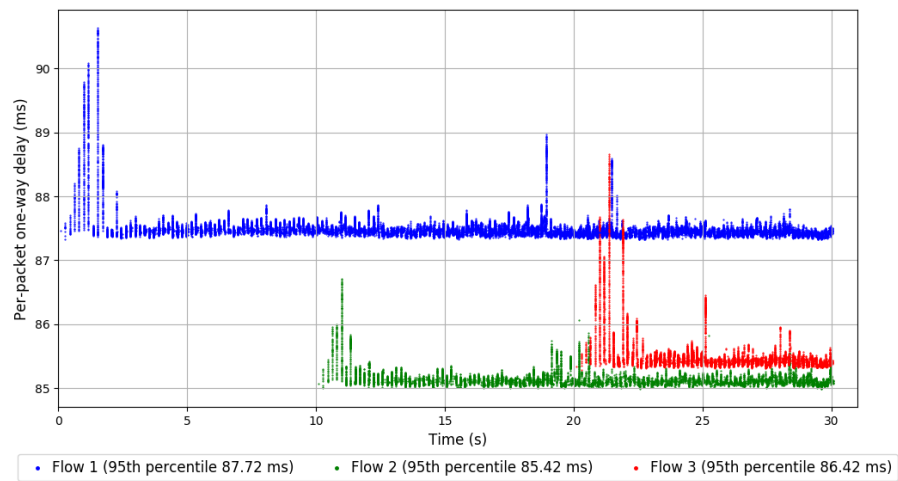
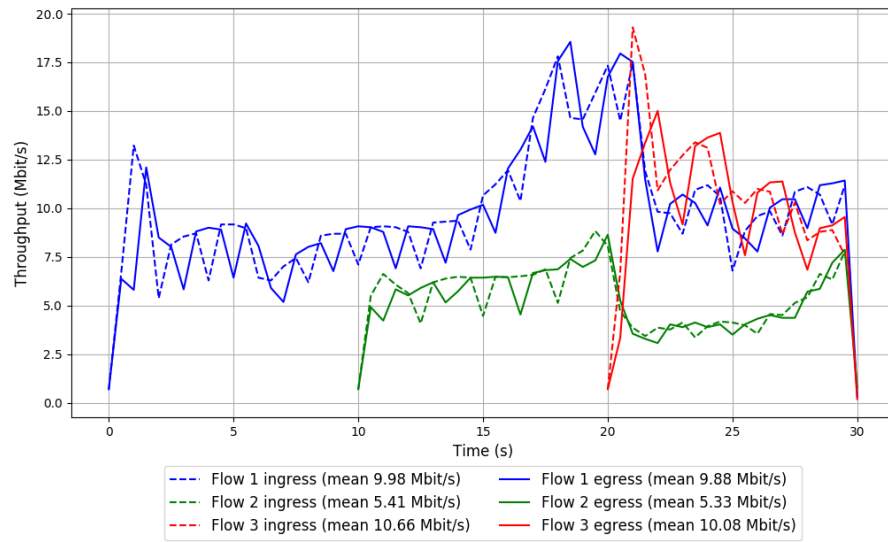


Run 7: Statistics of TCP Cubic

Start at: 2017-10-12 08:45:42
End at: 2017-10-12 08:46:12
Local clock offset: 0.678 ms
Remote clock offset: -3.247 ms

Below is generated by plot.py at 2017-10-12 10:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 87.625 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 87.723 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 85.415 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 86.425 ms
Loss rate: 5.45%

Run 7: Report of TCP Cubic — Data Link

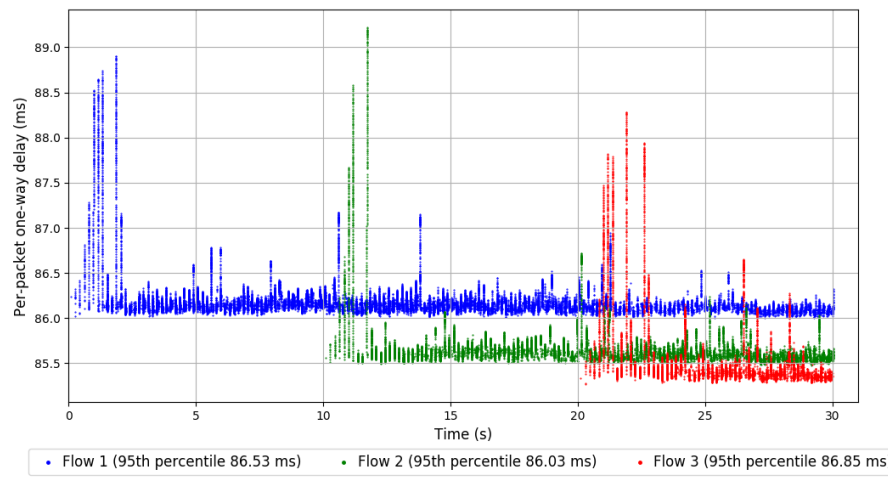
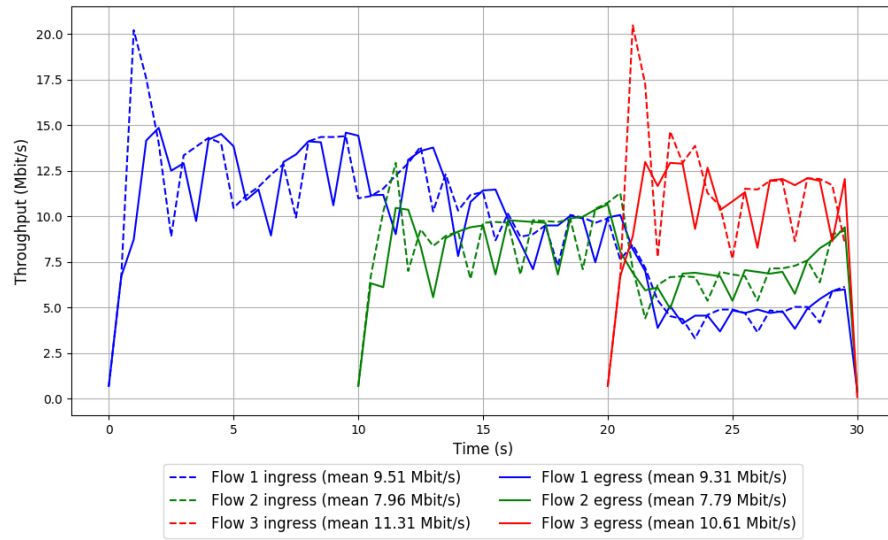


Run 8: Statistics of TCP Cubic

Start at: 2017-10-12 09:04:05
End at: 2017-10-12 09:04:35
Local clock offset: 0.692 ms
Remote clock offset: -2.586 ms

Below is generated by plot.py at 2017-10-12 10:03:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 86.852 ms
Loss rate: 6.13%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-10-12 09:22:22

End at: 2017-10-12 09:22:52

Local clock offset: 0.65 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2017-10-12 10:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 88.234 ms

Loss rate: 3.27%

-- Flow 1:

Average throughput: 10.54 Mbit/s

95th percentile per-packet one-way delay: 88.503 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 86.537 ms

Loss rate: 3.30%

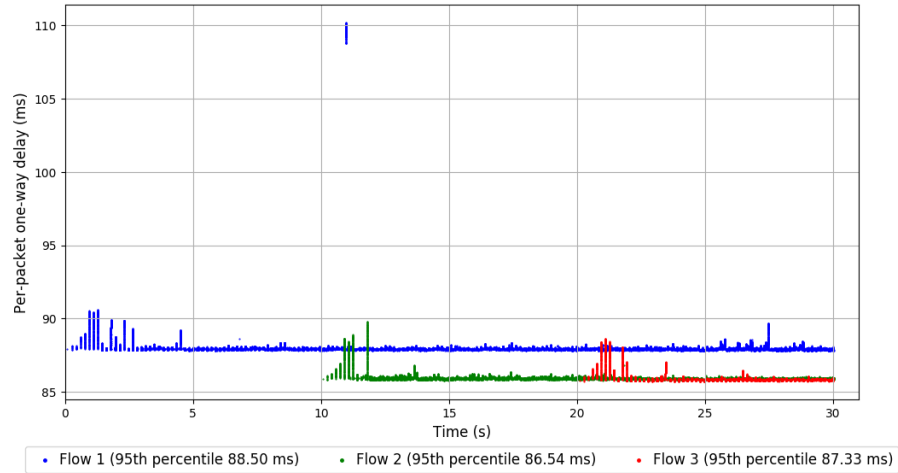
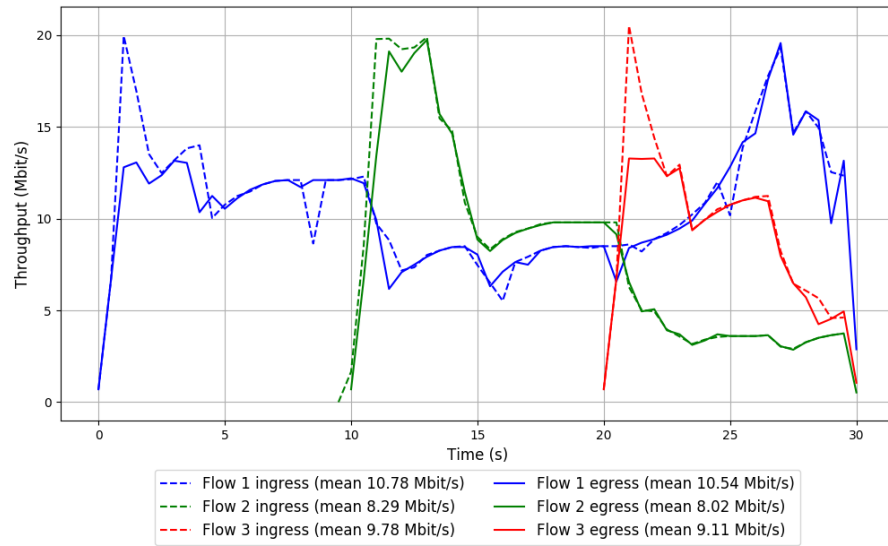
-- Flow 3:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 87.330 ms

Loss rate: 6.85%

Run 9: Report of TCP Cubic — Data Link

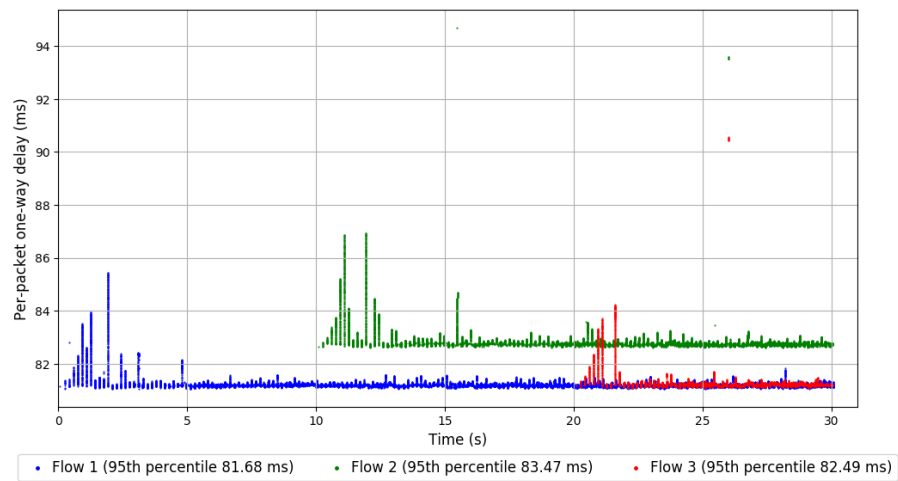
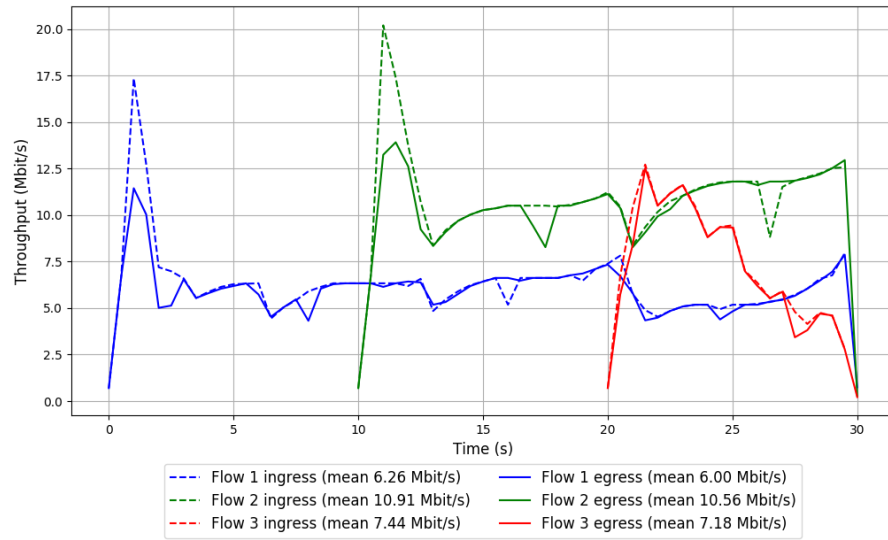


Run 10: Statistics of TCP Cubic

Start at: 2017-10-12 09:40:34
End at: 2017-10-12 09:41:04
Local clock offset: 0.699 ms
Remote clock offset: -6.036 ms

Below is generated by plot.py at 2017-10-12 10:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 83.097 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 81.680 ms
Loss rate: 4.14%
-- Flow 2:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 83.471 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 82.494 ms
Loss rate: 3.54%

Run 10: Report of TCP Cubic — Data Link

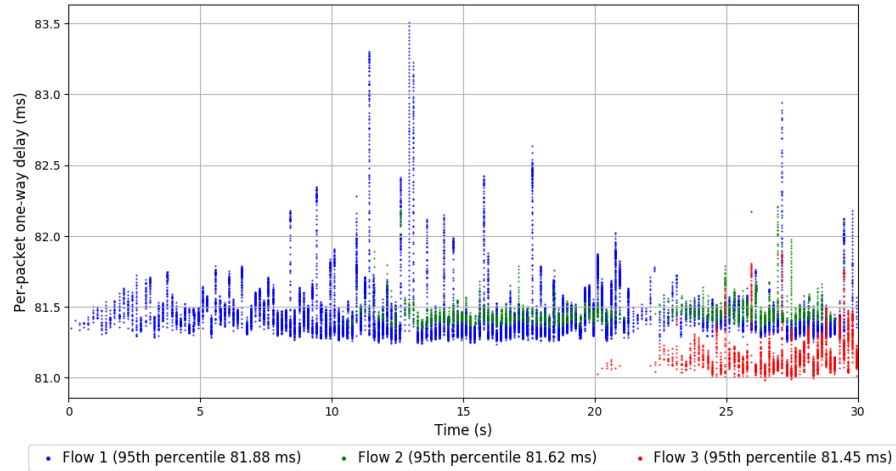
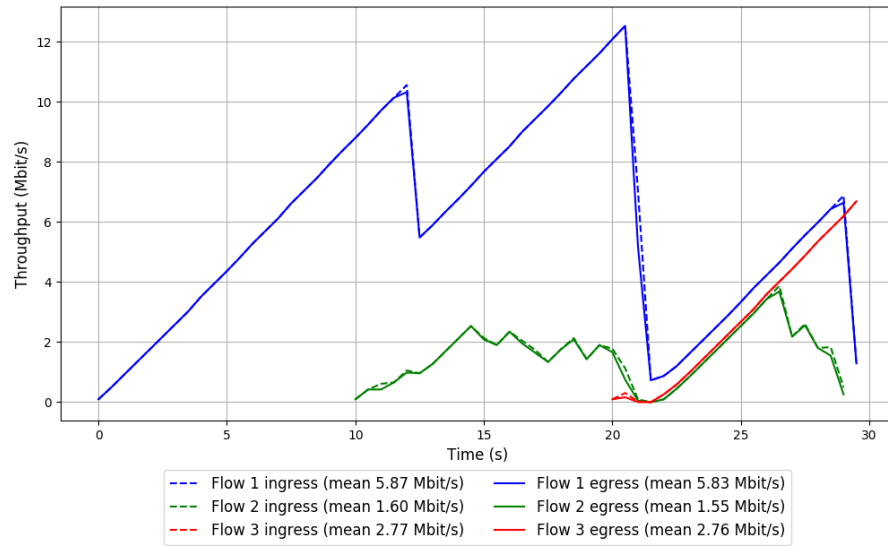


```
Run 1: Statistics of LEDBAT

Start at: 2017-10-12 06:47:50
End at: 2017-10-12 06:48:20
Local clock offset: 0.597 ms
Remote clock offset: -8.082 ms

# Below is generated by plot.py at 2017-10-12 10:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 81.807 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 81.875 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 81.617 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 81.451 ms
Loss rate: 0.30%
```


Run 1: Report of LEDBAT — Data Link

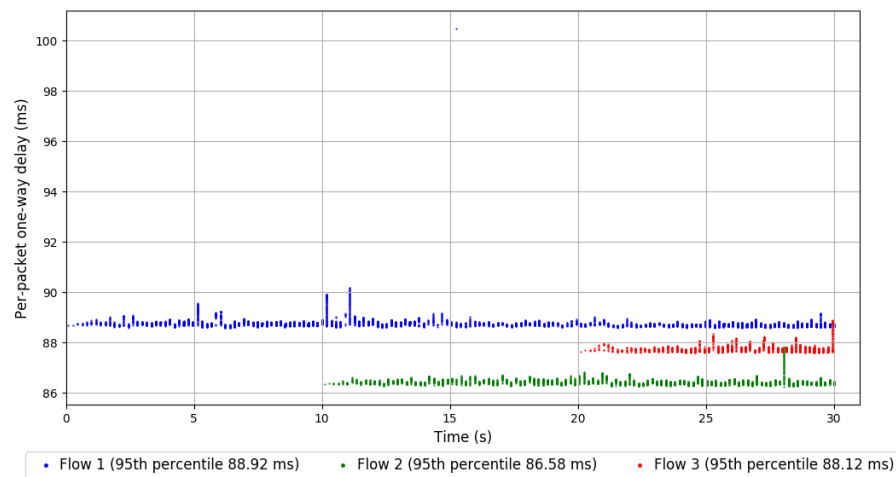
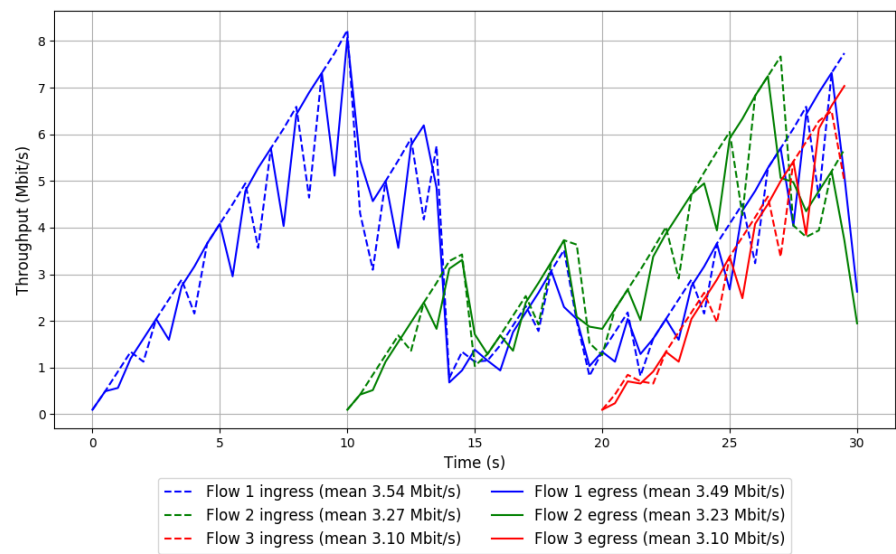


Run 2: Statistics of LEDBAT

Start at: 2017-10-12 07:06:07
End at: 2017-10-12 07:06:37
Local clock offset: 0.694 ms
Remote clock offset: -3.634 ms

Below is generated by plot.py at 2017-10-12 10:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 88.853 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 88.923 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 86.584 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 88.120 ms
Loss rate: 0.19%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-10-12 07:24:23

End at: 2017-10-12 07:24:53

Local clock offset: 0.683 ms

Remote clock offset: -5.03 ms

Below is generated by plot.py at 2017-10-12 10:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 87.103 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 87.175 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 4.95 Mbit/s

95th percentile per-packet one-way delay: 85.419 ms

Loss rate: 0.89%

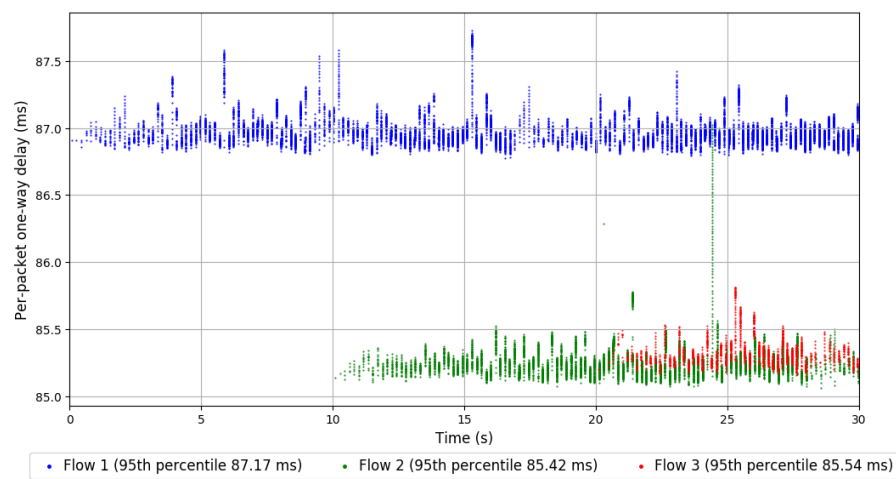
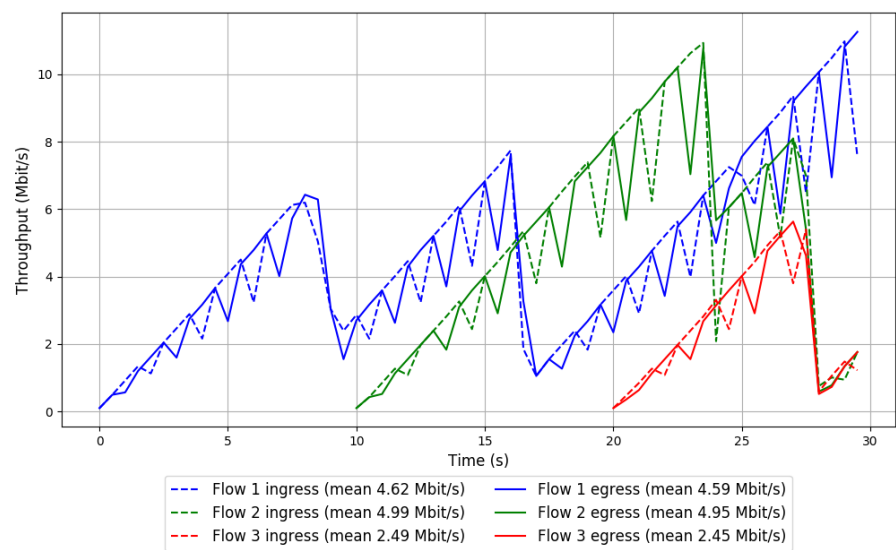
-- Flow 3:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 85.538 ms

Loss rate: 1.58%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-10-12 07:42:43

End at: 2017-10-12 07:43:13

Local clock offset: 0.695 ms

Remote clock offset: -4.27 ms

Below is generated by plot.py at 2017-10-12 10:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 88.703 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 88.782 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 85.886 ms

Loss rate: 1.38%

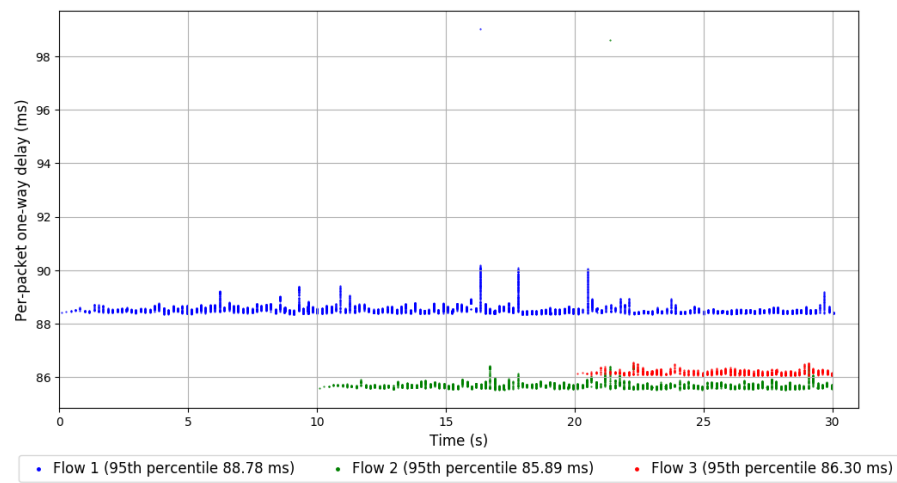
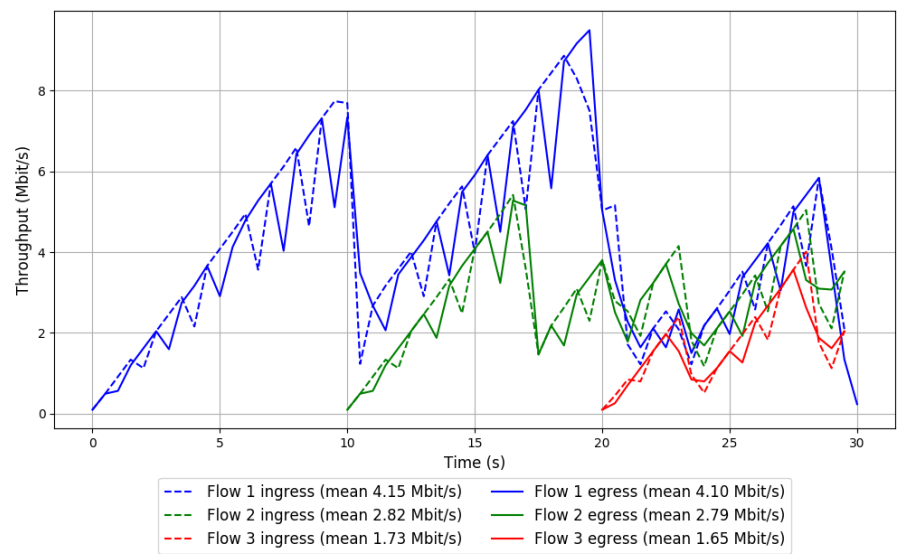
-- Flow 3:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 86.303 ms

Loss rate: 4.27%

Run 4: Report of LEDBAT — Data Link

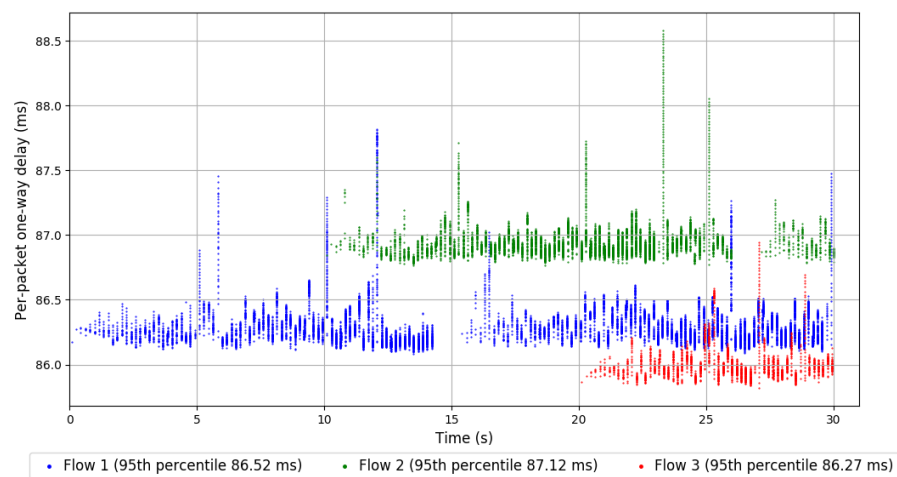
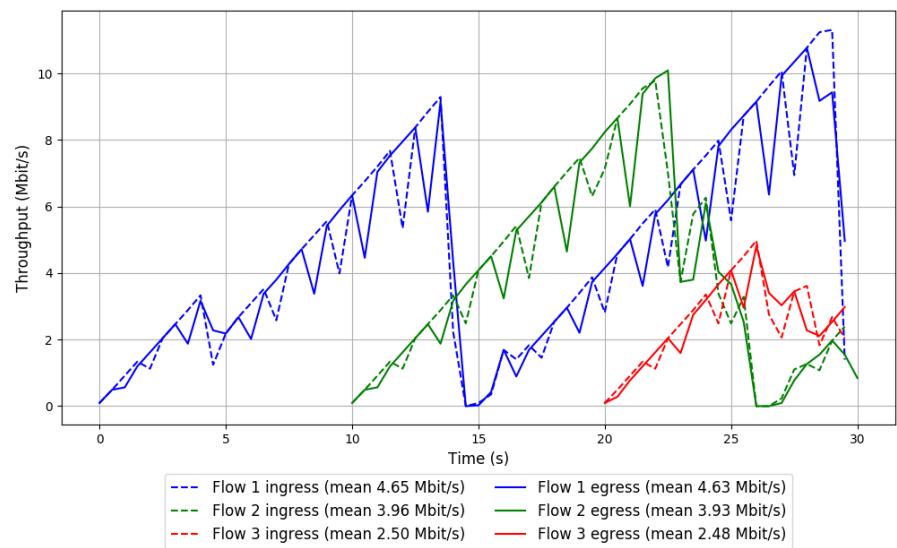


Run 5: Statistics of LEDBAT

Start at: 2017-10-12 08:01:01
End at: 2017-10-12 08:01:31
Local clock offset: 0.588 ms
Remote clock offset: -3.964 ms

Below is generated by plot.py at 2017-10-12 10:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 87.033 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 86.515 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.123 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 86.267 ms
Loss rate: 0.72%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-10-12 08:19:25

End at: 2017-10-12 08:19:55

Local clock offset: 0.652 ms

Remote clock offset: -4.07 ms

Below is generated by plot.py at 2017-10-12 10:03:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 87.574 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 87.709 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 3.04 Mbit/s

95th percentile per-packet one-way delay: 87.560 ms

Loss rate: 0.73%

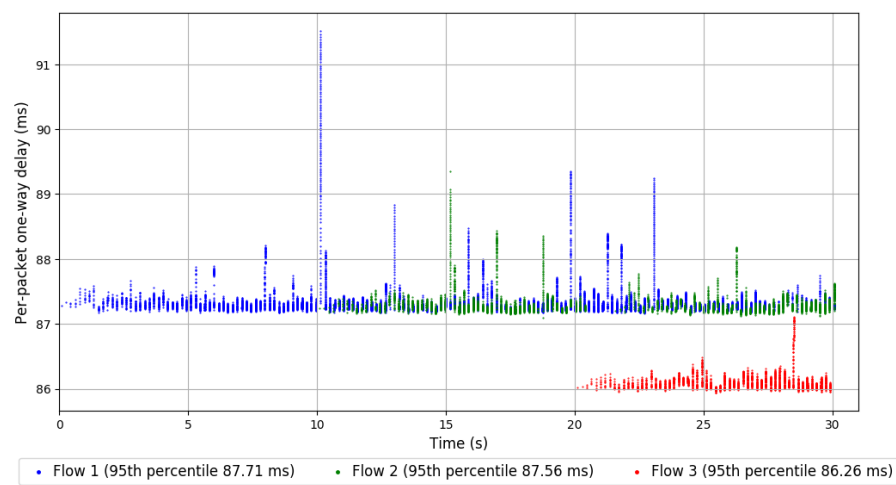
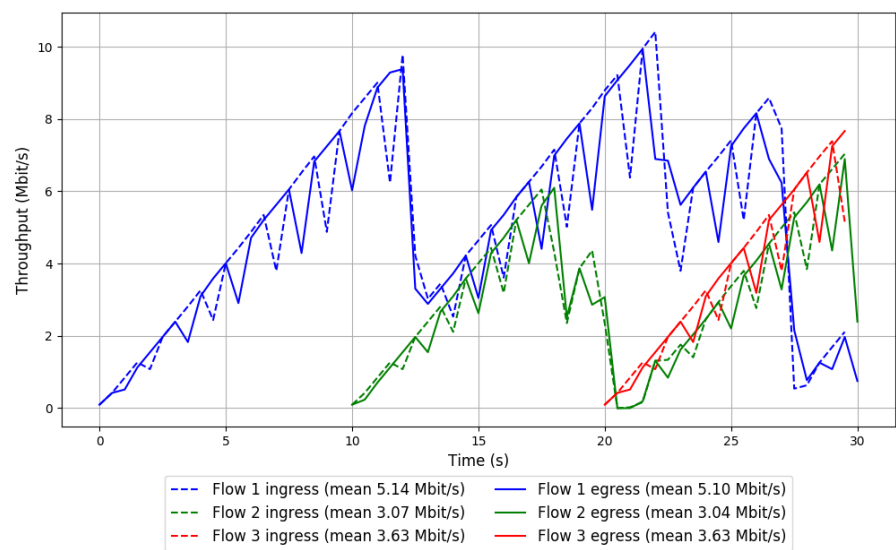
-- Flow 3:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 86.260 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

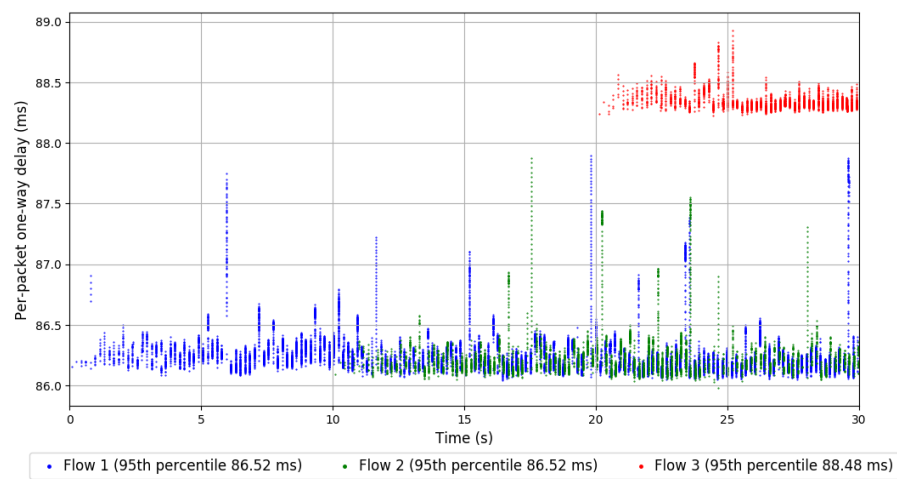
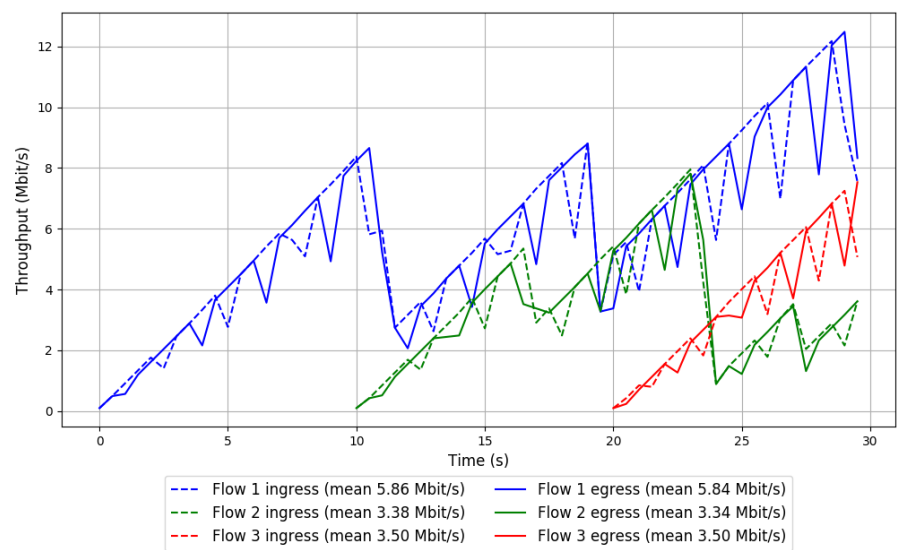


Run 7: Statistics of LEDBAT

Start at: 2017-10-12 08:37:43
End at: 2017-10-12 08:38:13
Local clock offset: 0.61 ms
Remote clock offset: -2.955 ms

Below is generated by plot.py at 2017-10-12 10:03:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 88.331 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 86.520 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 86.515 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 88.478 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

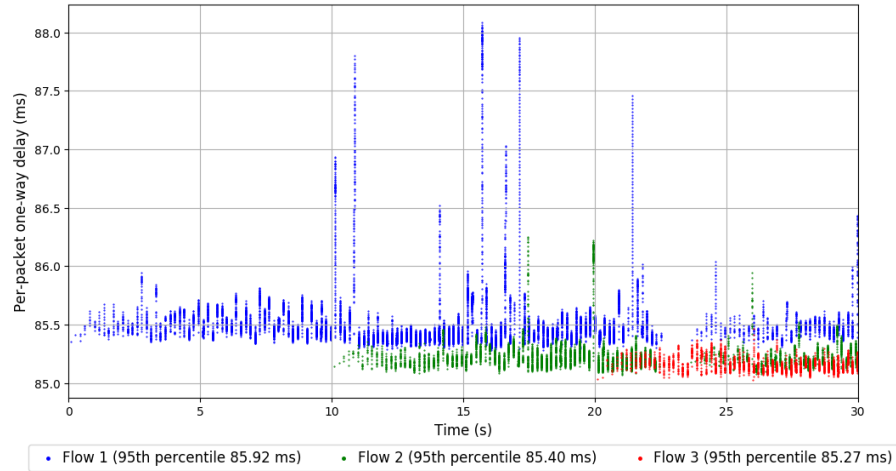
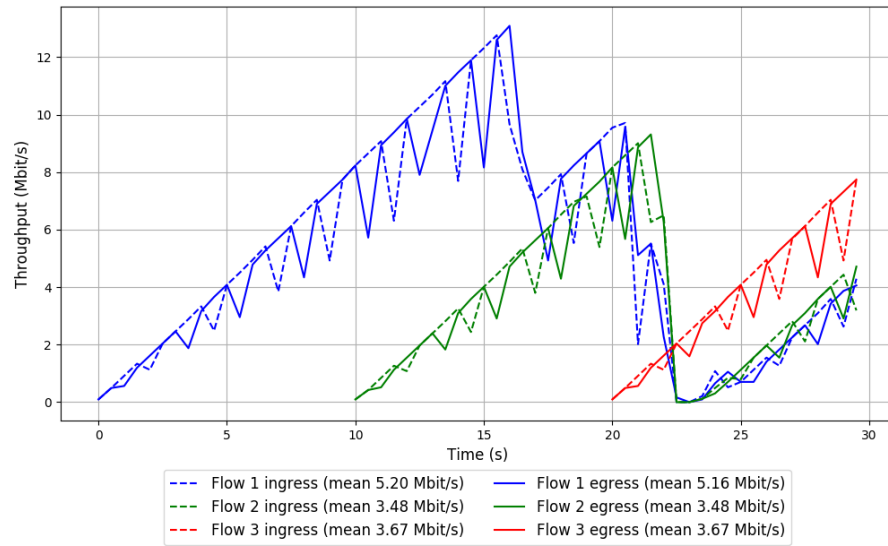


Run 8: Statistics of LEDBAT

Start at: 2017-10-12 08:56:04
End at: 2017-10-12 08:56:34
Local clock offset: 0.677 ms
Remote clock offset: -3.139 ms

Below is generated by plot.py at 2017-10-12 10:03:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 85.752 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 85.925 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 85.403 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 85.265 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

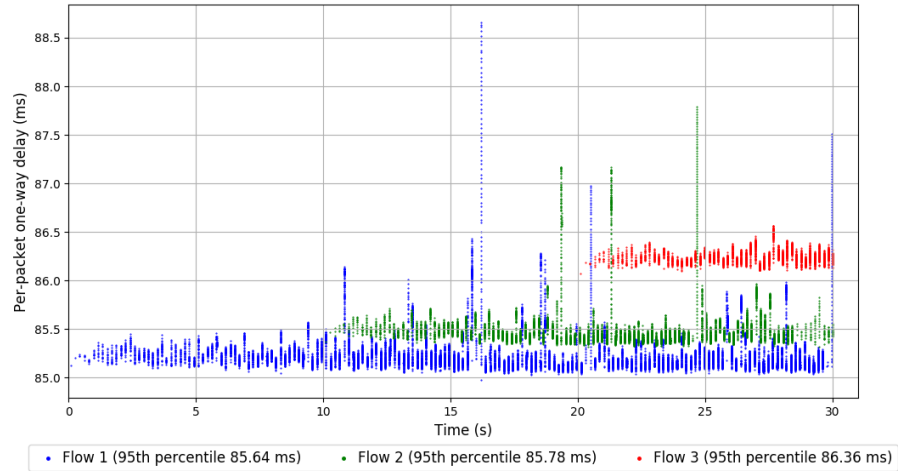
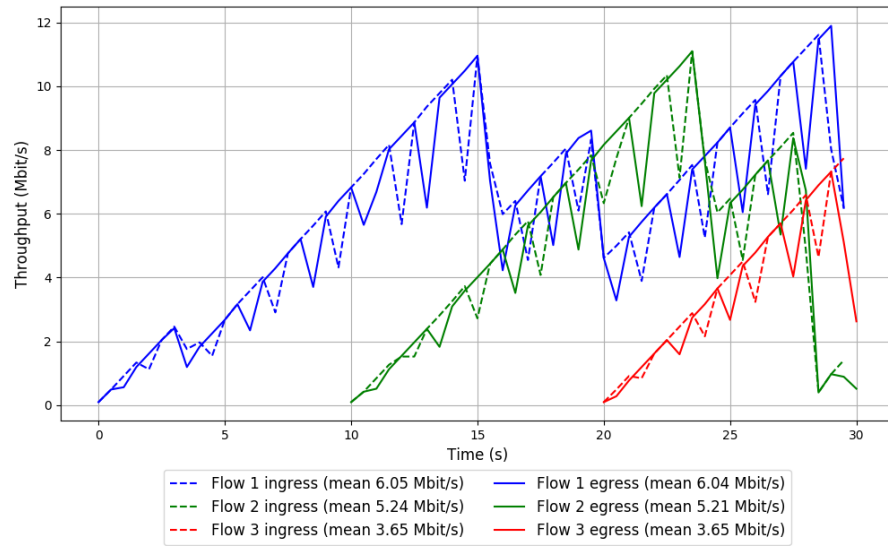


Run 9: Statistics of LEDBAT

Start at: 2017-10-12 09:14:22
End at: 2017-10-12 09:14:52
Local clock offset: 0.613 ms
Remote clock offset: -2.386 ms

Below is generated by plot.py at 2017-10-12 10:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 86.258 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 85.636 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 85.785 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 86.364 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

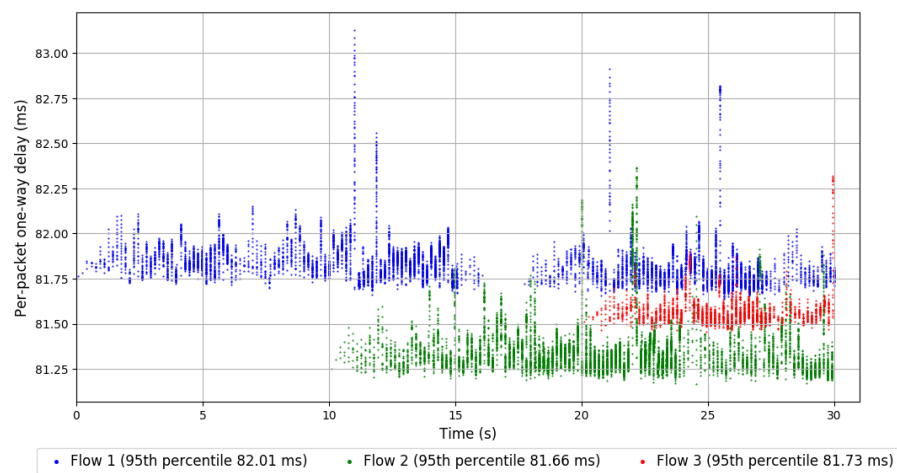
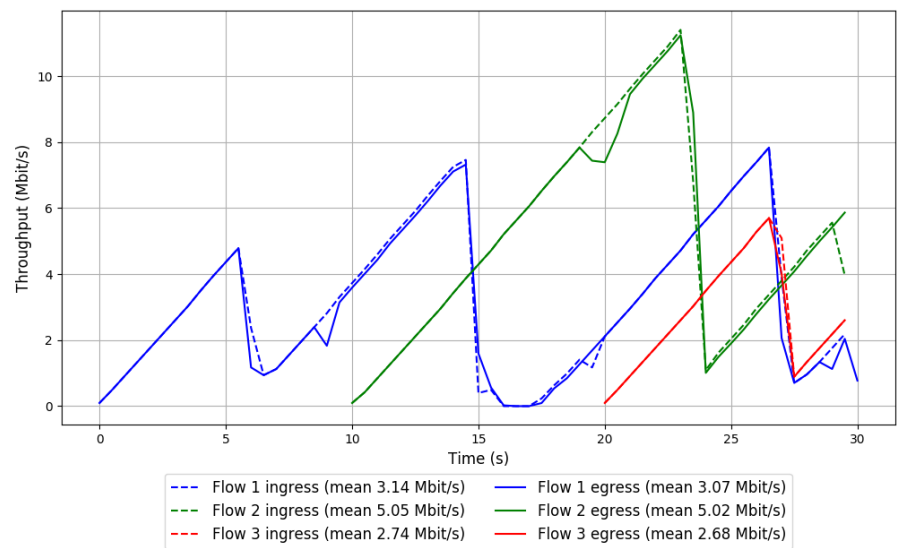


Run 10: Statistics of LEDBAT

Start at: 2017-10-12 09:32:31
End at: 2017-10-12 09:33:01
Local clock offset: 0.65 ms
Remote clock offset: -5.769 ms

Below is generated by plot.py at 2017-10-12 10:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 81.957 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 82.011 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 81.662 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 81.735 ms
Loss rate: 2.00%

Run 10: Report of LEDBAT — Data Link

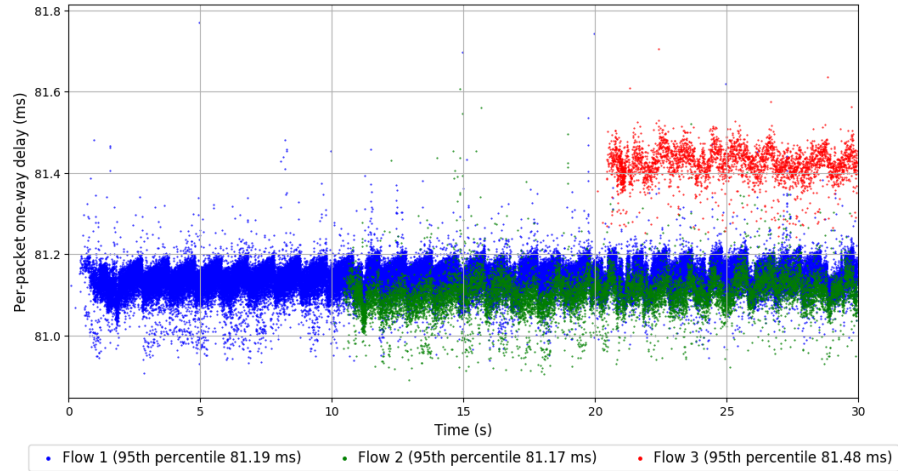
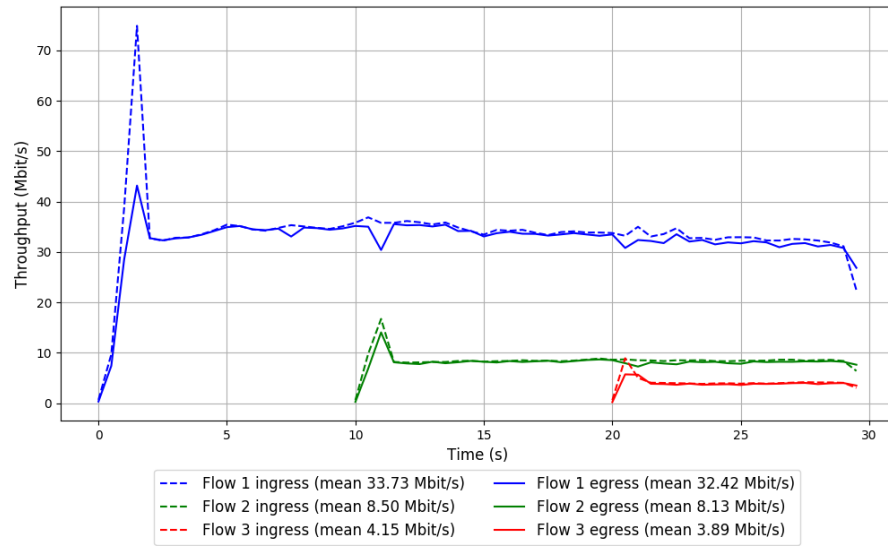


Run 1: Statistics of PCC

Start at: 2017-10-12 06:54:30
End at: 2017-10-12 06:55:00
Local clock offset: 0.599 ms
Remote clock offset: -8.338 ms

Below is generated by plot.py at 2017-10-12 10:04:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 81.202 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 81.189 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 81.165 ms
Loss rate: 4.37%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 81.479 ms
Loss rate: 6.41%

Run 1: Report of PCC — Data Link

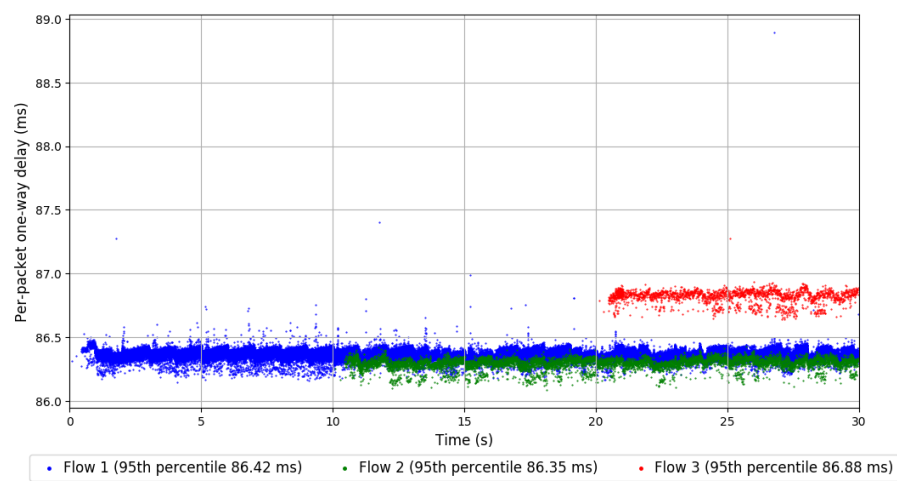
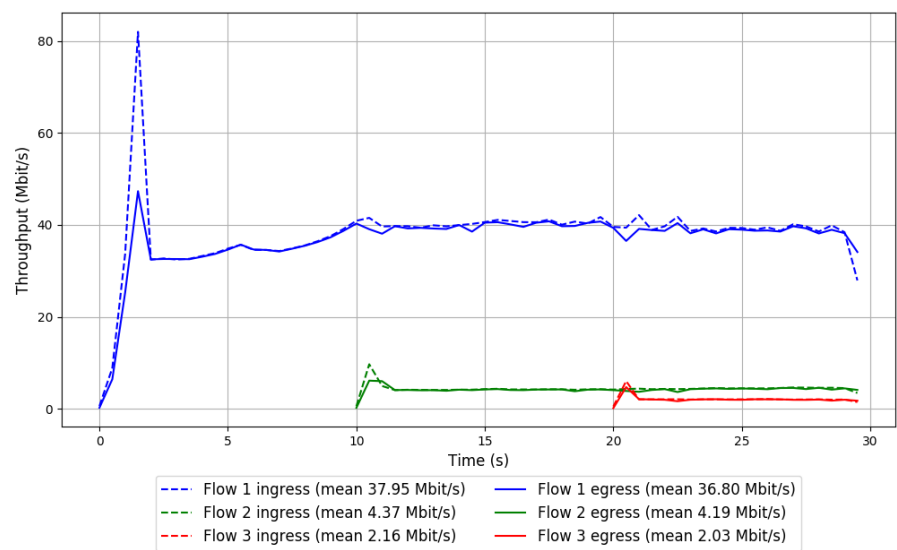


Run 2: Statistics of PCC

Start at: 2017-10-12 07:12:49
End at: 2017-10-12 07:13:19
Local clock offset: 0.735 ms
Remote clock offset: -3.899 ms

Below is generated by plot.py at 2017-10-12 10:04:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 86.421 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 86.416 ms
Loss rate: 3.01%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 86.350 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 6.20%

Run 2: Report of PCC — Data Link

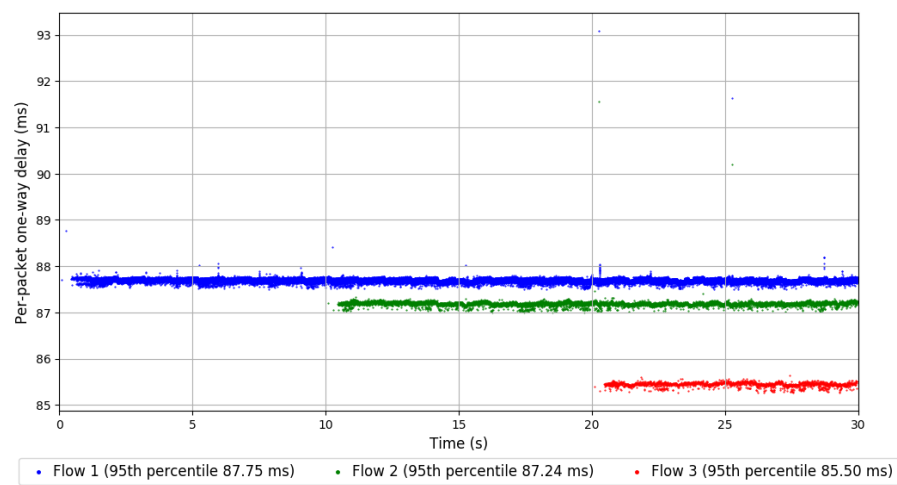
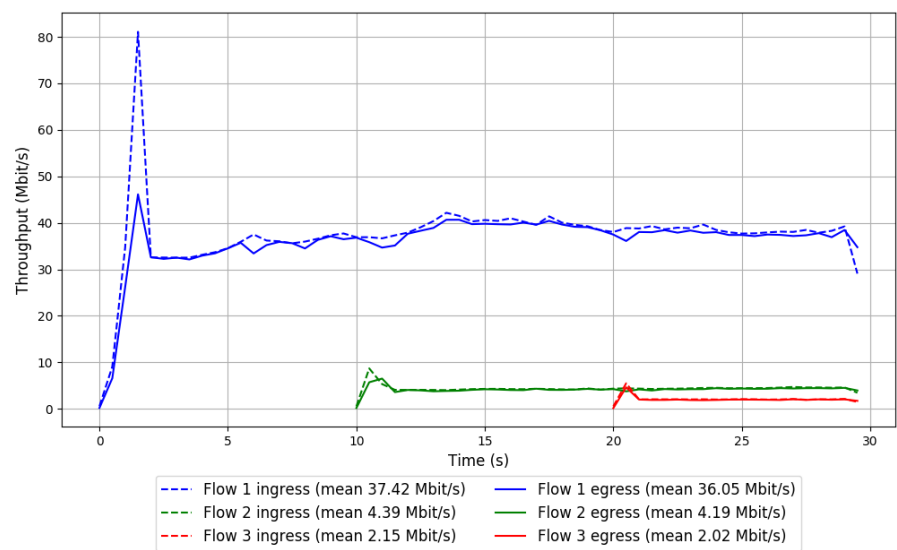


Run 3: Statistics of PCC

Start at: 2017-10-12 07:31:07
End at: 2017-10-12 07:31:37
Local clock offset: 0.699 ms
Remote clock offset: -4.965 ms

Below is generated by plot.py at 2017-10-12 10:04:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 87.745 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 87.243 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 85.505 ms
Loss rate: 5.90%

Run 3: Report of PCC — Data Link

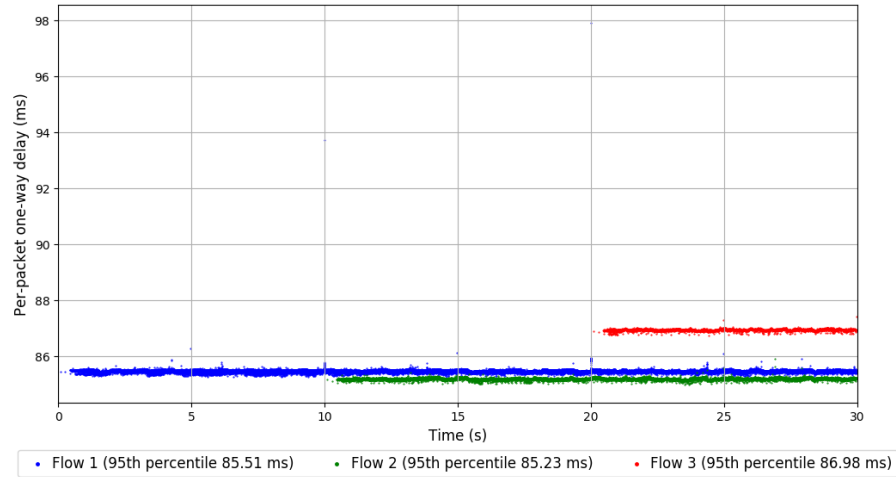
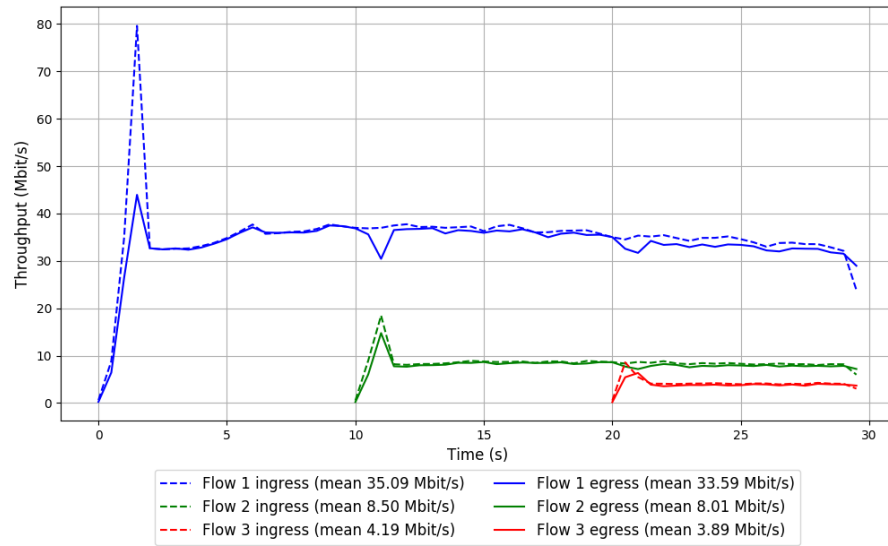


Run 4: Statistics of PCC

Start at: 2017-10-12 07:49:23
End at: 2017-10-12 07:49:53
Local clock offset: 0.666 ms
Remote clock offset: -4.743 ms

Below is generated by plot.py at 2017-10-12 10:04:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 85.516 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 85.507 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 85.233 ms
Loss rate: 5.78%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 7.38%

Run 4: Report of PCC — Data Link

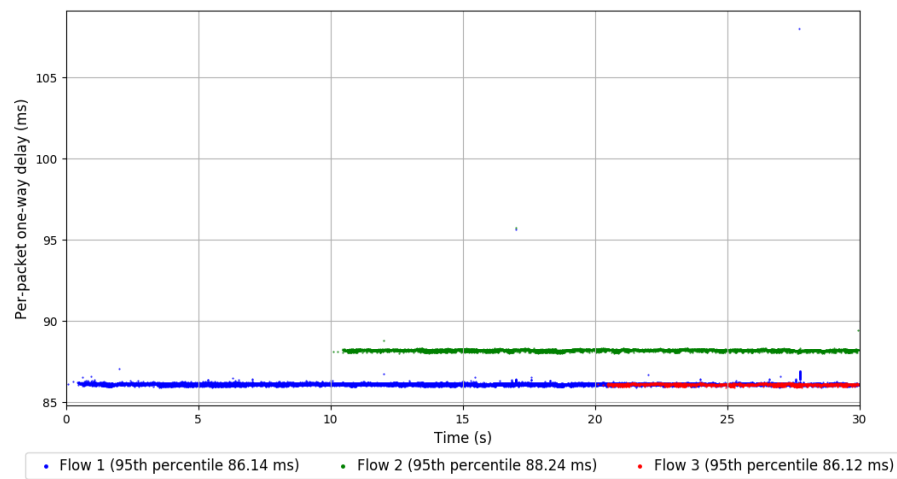
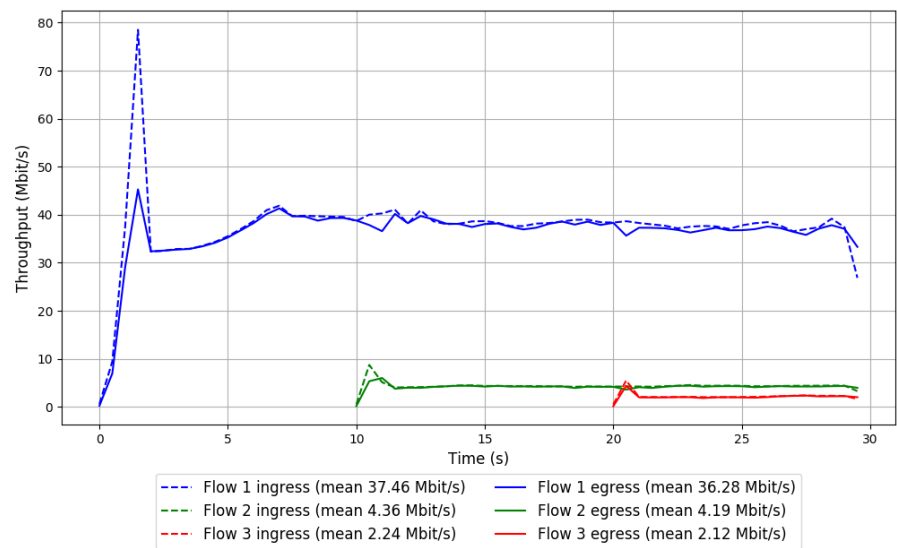


Run 5: Statistics of PCC

Start at: 2017-10-12 08:07:52
End at: 2017-10-12 08:08:22
Local clock offset: 0.674 ms
Remote clock offset: -3.676 ms

Below is generated by plot.py at 2017-10-12 10:04:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 88.174 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 86.145 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 88.242 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 86.124 ms
Loss rate: 5.52%

Run 5: Report of PCC — Data Link

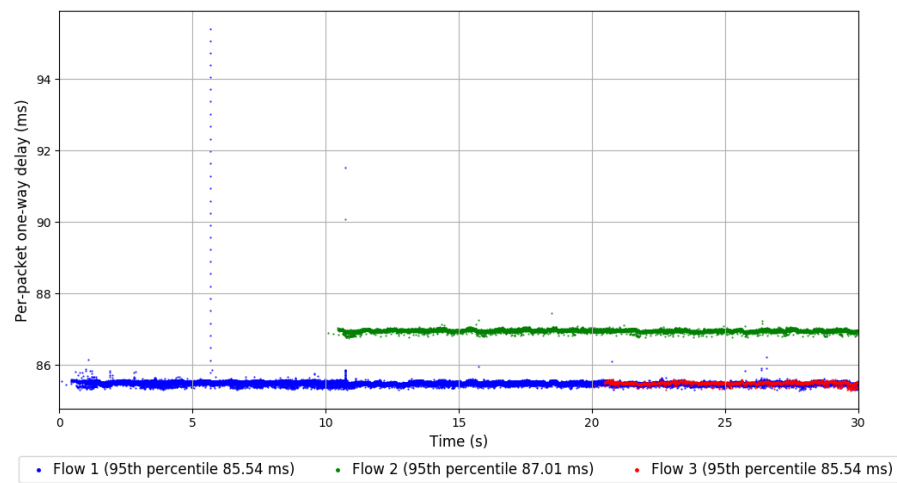
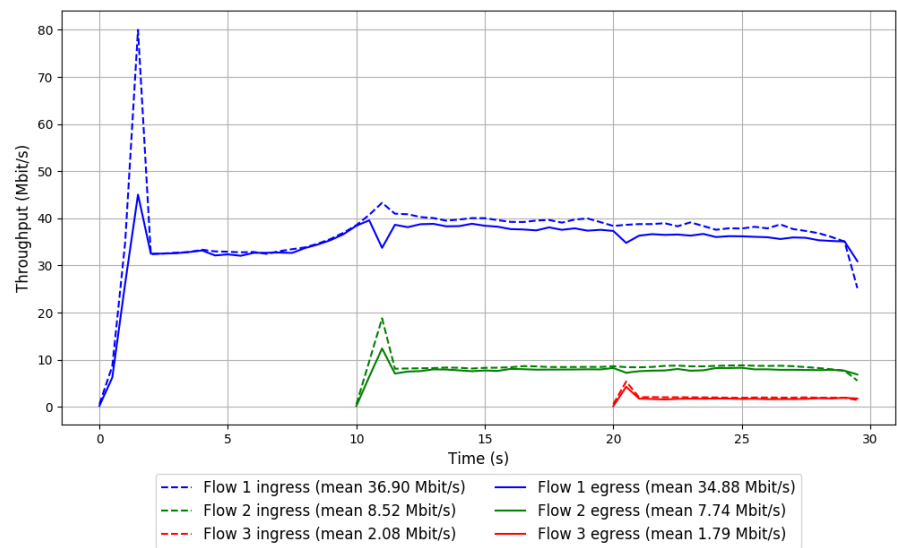


Run 6: Statistics of PCC

Start at: 2017-10-12 08:26:09
End at: 2017-10-12 08:26:39
Local clock offset: 0.648 ms
Remote clock offset: -4.007 ms

Below is generated by plot.py at 2017-10-12 10:04:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 85.544 ms
Loss rate: 5.47%
-- Flow 2:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 9.12%
-- Flow 3:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 85.544 ms
Loss rate: 13.87%

Run 6: Report of PCC — Data Link

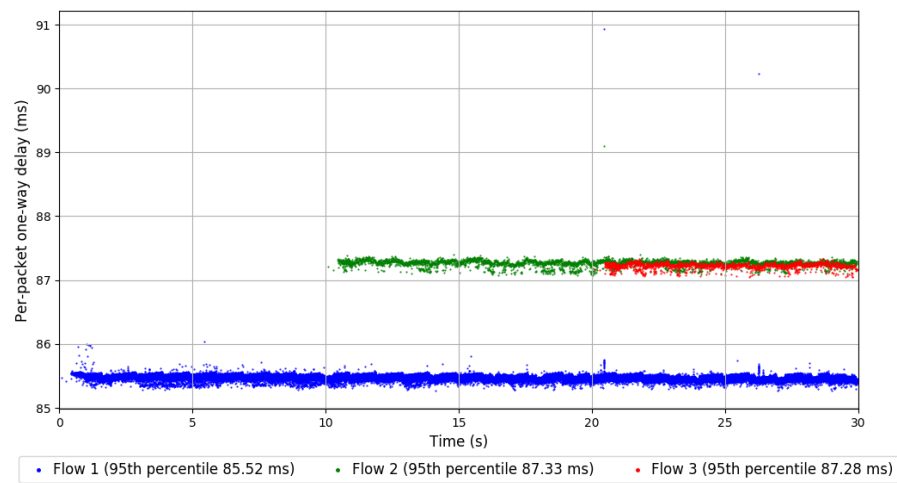
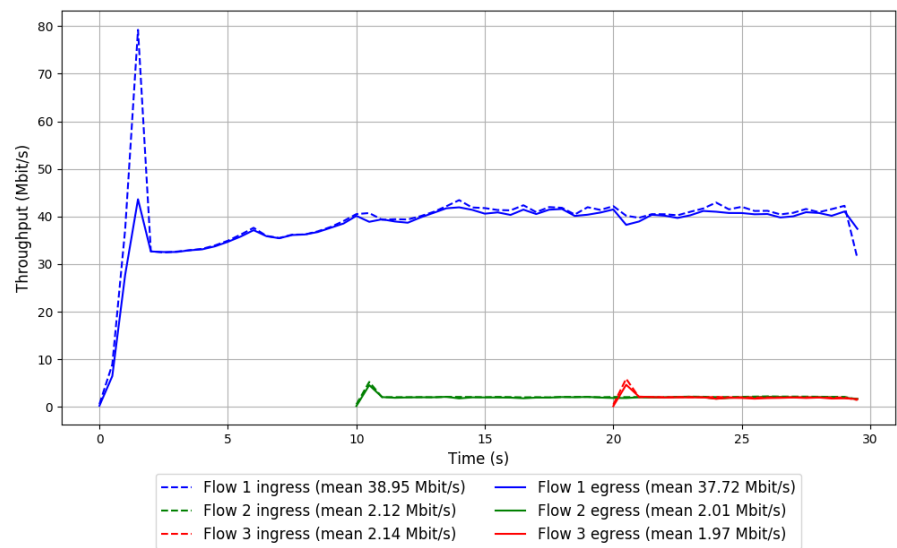


Run 7: Statistics of PCC

Start at: 2017-10-12 08:44:25
End at: 2017-10-12 08:44:55
Local clock offset: 0.688 ms
Remote clock offset: -3.238 ms

Below is generated by plot.py at 2017-10-12 10:04:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 87.171 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 85.523 ms
Loss rate: 3.16%
-- Flow 2:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 87.326 ms
Loss rate: 5.44%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 87.275 ms
Loss rate: 7.77%

Run 7: Report of PCC — Data Link

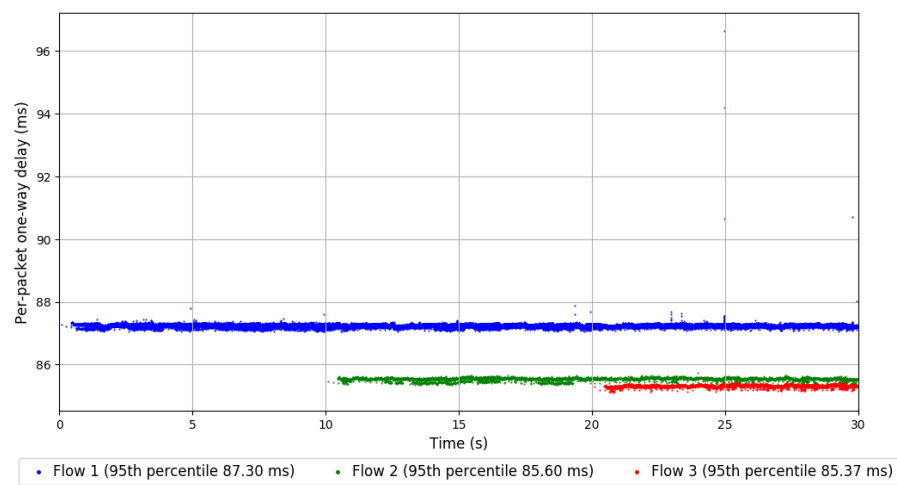
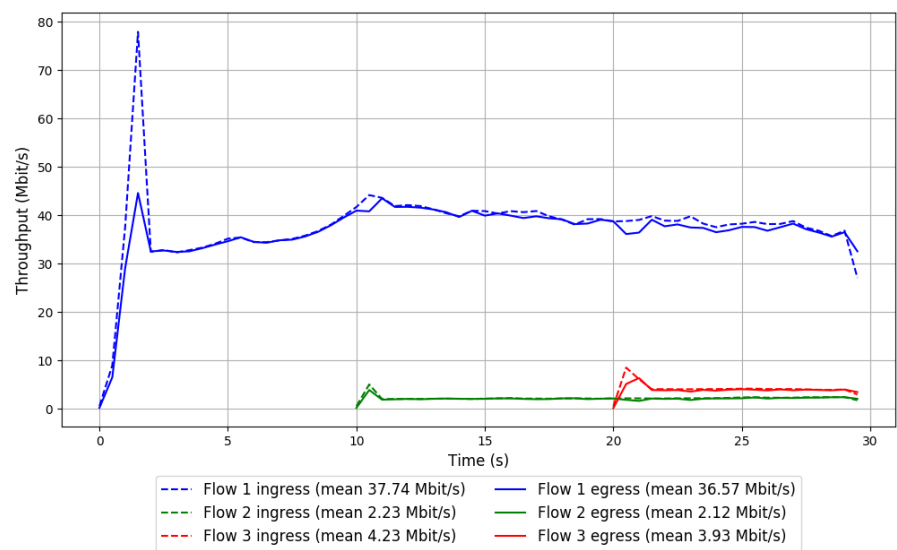


Run 8: Statistics of PCC

Start at: 2017-10-12 09:02:47
End at: 2017-10-12 09:03:17
Local clock offset: 0.642 ms
Remote clock offset: -2.751 ms

Below is generated by plot.py at 2017-10-12 10:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 87.298 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 87.298 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.599 ms
Loss rate: 5.03%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 85.373 ms
Loss rate: 6.98%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-10-12 09:21:05

End at: 2017-10-12 09:21:35

Local clock offset: 0.597 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2017-10-12 10:05:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.77 Mbit/s

95th percentile per-packet one-way delay: 86.111 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 85.939 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 86.180 ms

Loss rate: 7.02%

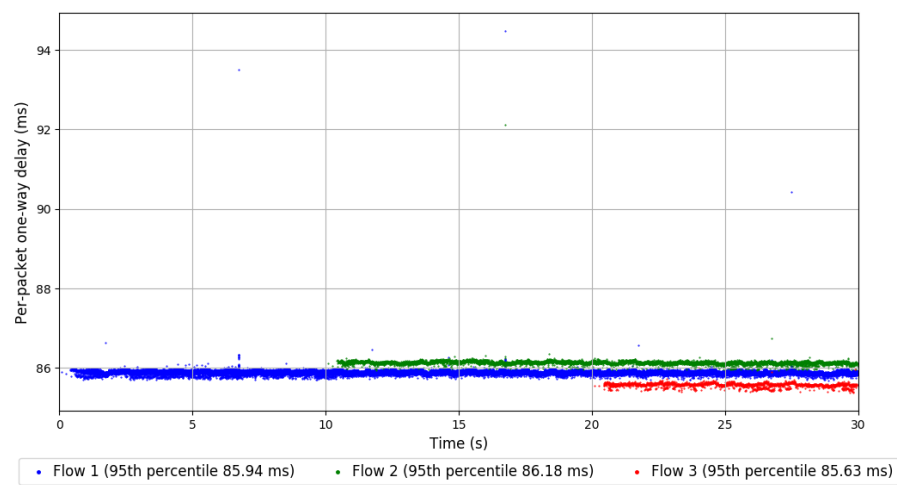
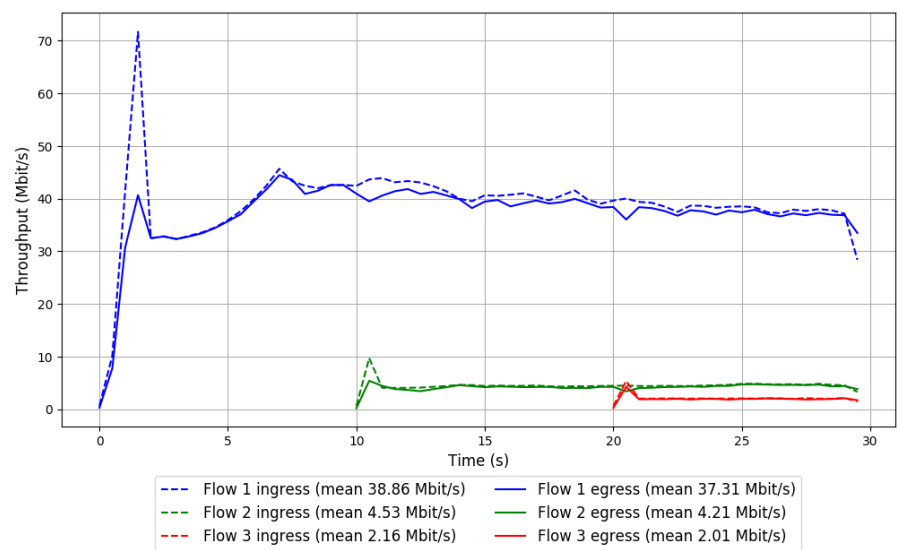
-- Flow 3:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 85.634 ms

Loss rate: 6.84%

Run 9: Report of PCC — Data Link

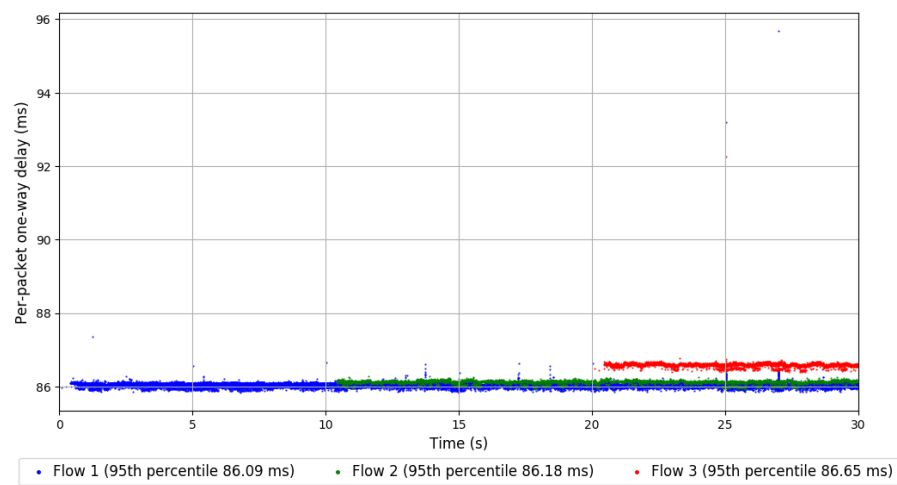
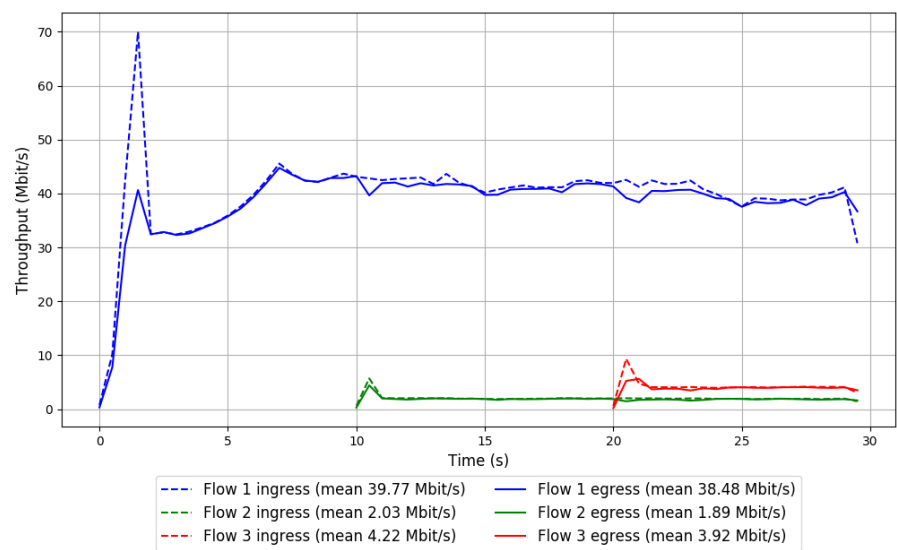


Run 10: Statistics of PCC

Start at: 2017-10-12 09:39:16
End at: 2017-10-12 09:39:46
Local clock offset: 0.673 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2017-10-12 10:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 86.134 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 86.090 ms
Loss rate: 3.22%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 6.95%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 7.08%

Run 10: Report of PCC — Data Link

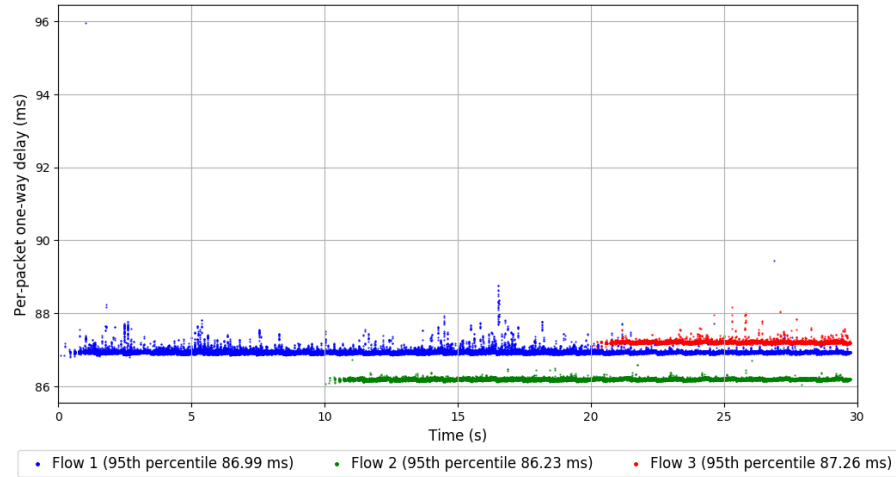
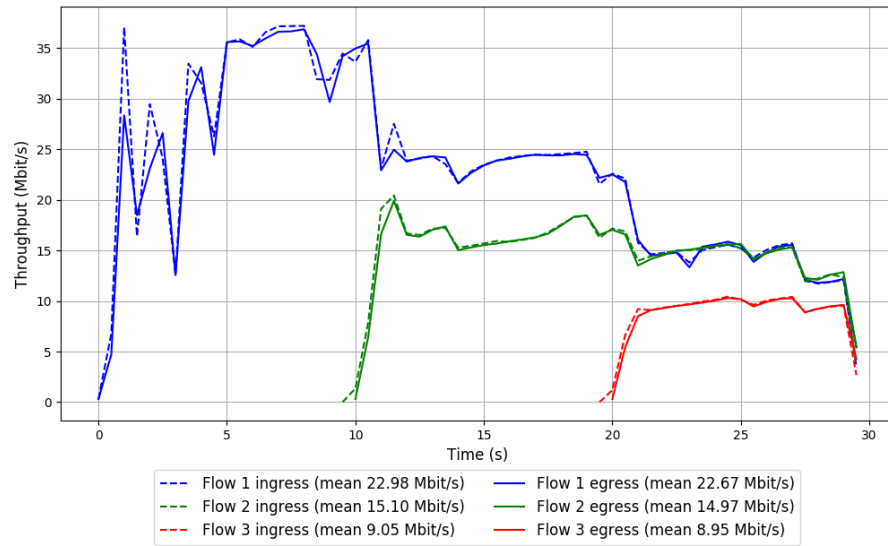


Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 06:46:32
End at: 2017-10-12 06:47:02
Local clock offset: 0.601 ms
Remote clock offset: -2.967 ms

Below is generated by plot.py at 2017-10-12 10:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 87.206 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 86.986 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 86.227 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 87.261 ms
Loss rate: 1.07%

Run 1: Report of QUIC Cubic — Data Link

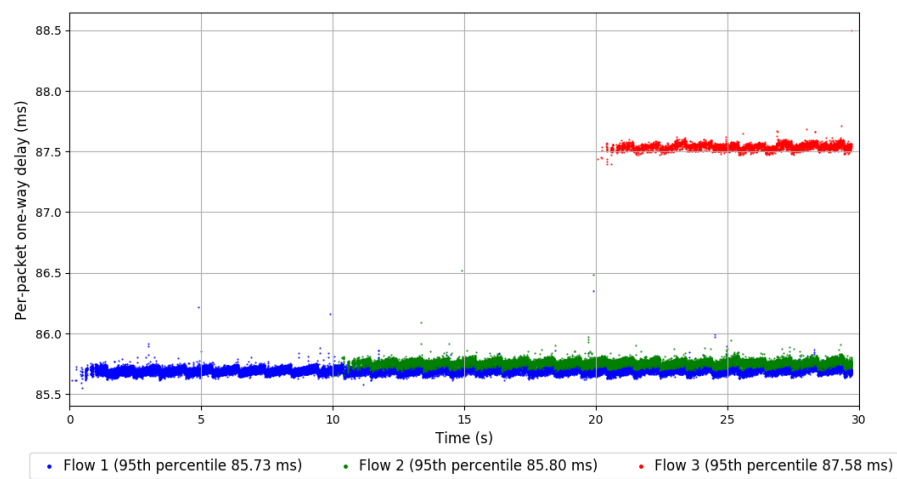
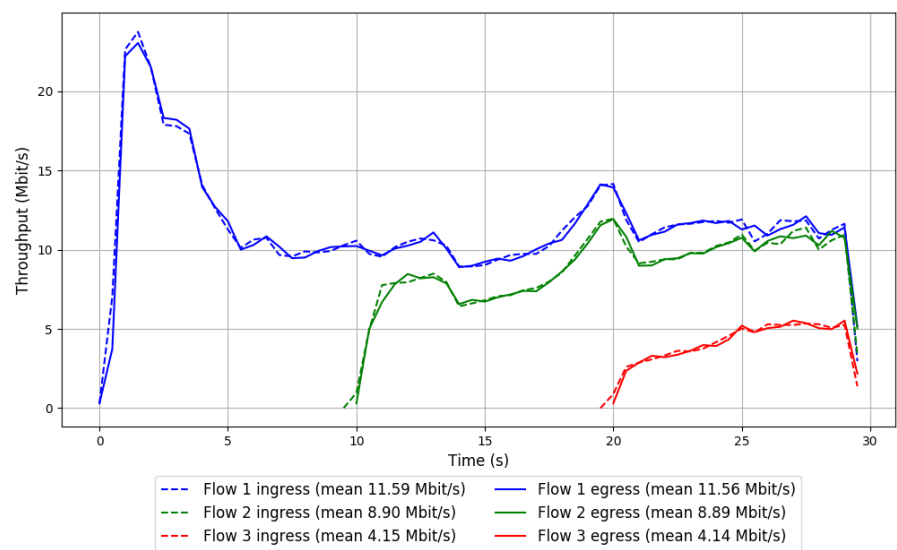


Run 2: Statistics of QUIC Cubic

Start at: 2017-10-12 07:04:51
End at: 2017-10-12 07:05:21
Local clock offset: 0.675 ms
Remote clock offset: -4.194 ms

Below is generated by plot.py at 2017-10-12 10:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 87.528 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 85.729 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 85.795 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 87.579 ms
Loss rate: 0.39%

Run 2: Report of QUIC Cubic — Data Link

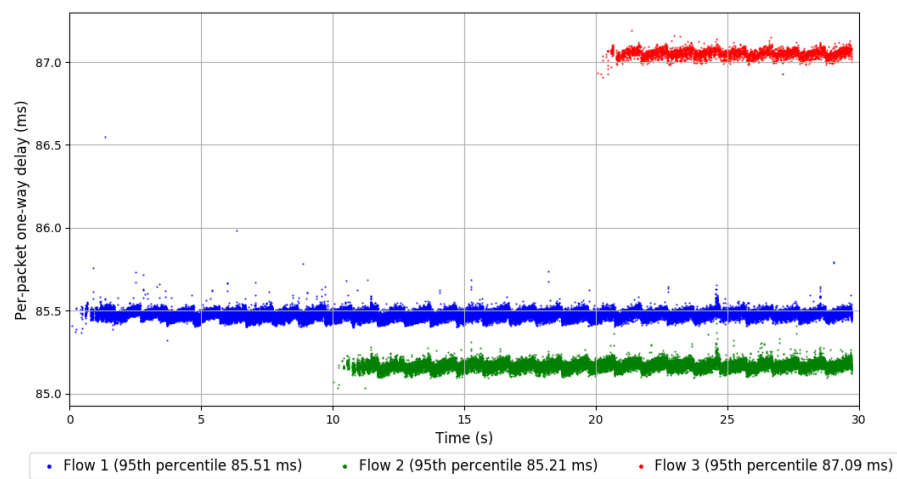
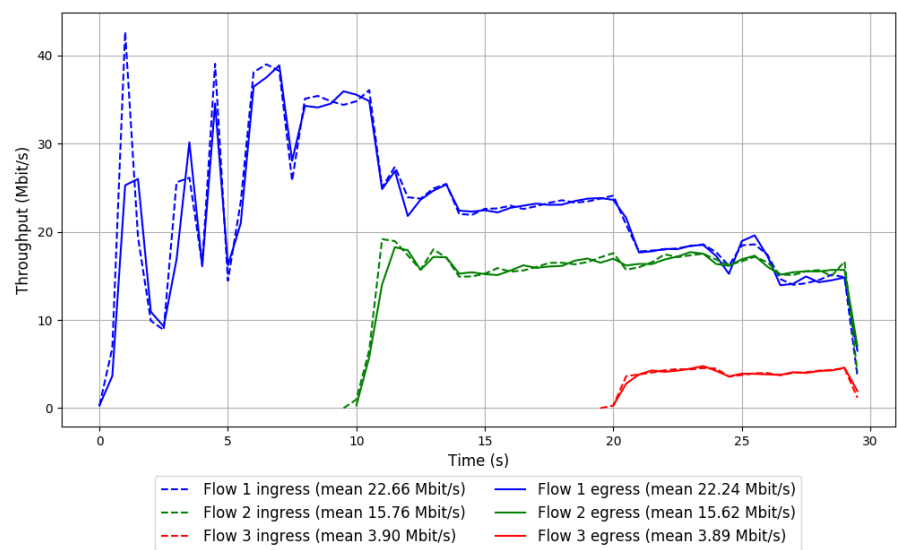


Run 3: Statistics of QUIC Cubic

Start at: 2017-10-12 07:23:04
End at: 2017-10-12 07:23:34
Local clock offset: 0.695 ms
Remote clock offset: -4.969 ms

Below is generated by plot.py at 2017-10-12 10:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 85.523 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 85.514 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 85.207 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 87.087 ms
Loss rate: 0.27%

Run 3: Report of QUIC Cubic — Data Link

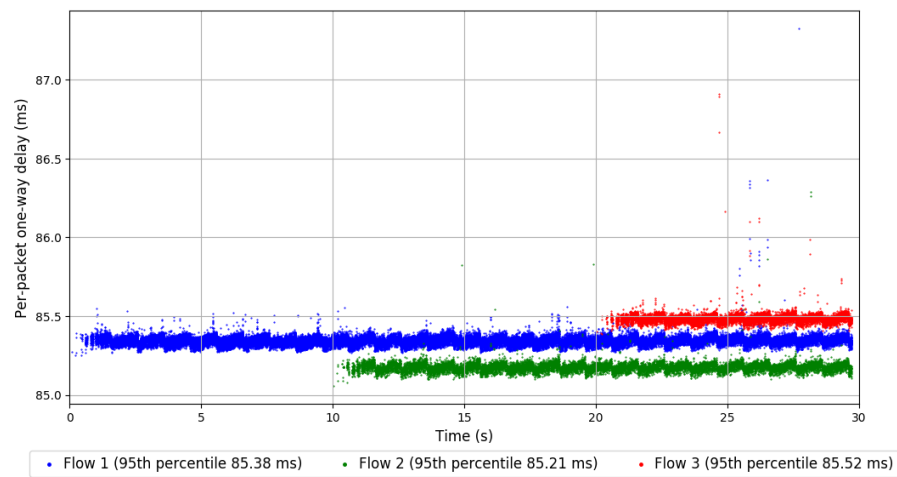
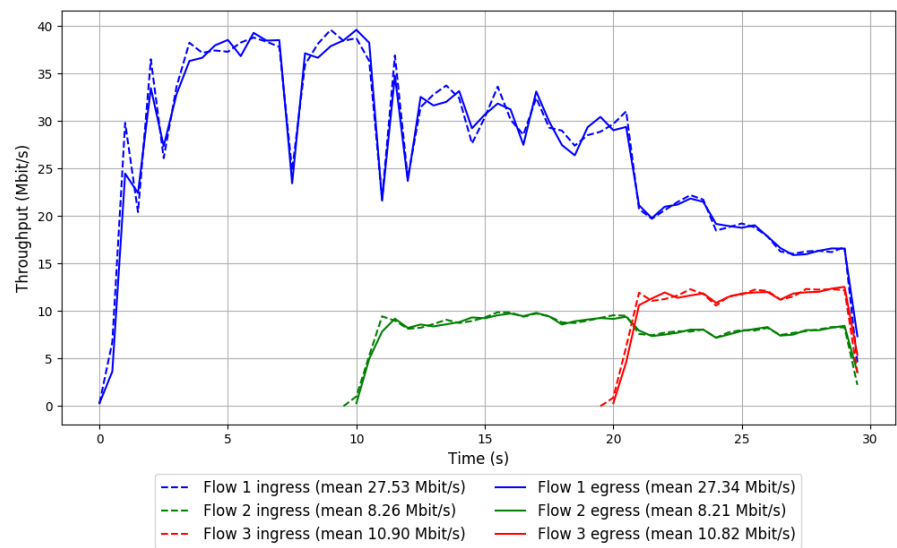


Run 4: Statistics of QUIC Cubic

Start at: 2017-10-12 07:41:25
End at: 2017-10-12 07:41:55
Local clock offset: 0.696 ms
Remote clock offset: -4.688 ms

Below is generated by plot.py at 2017-10-12 10:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 85.485 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 85.382 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 85.214 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 85.519 ms
Loss rate: 0.69%

Run 4: Report of QUIC Cubic — Data Link

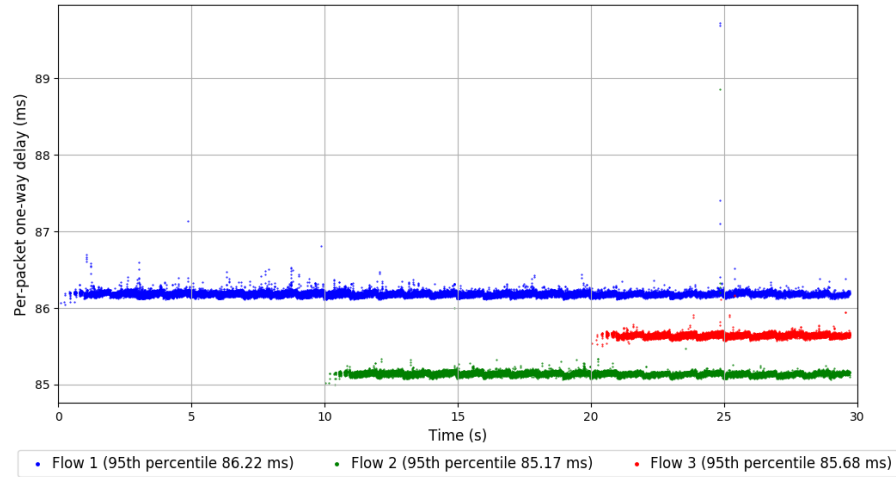
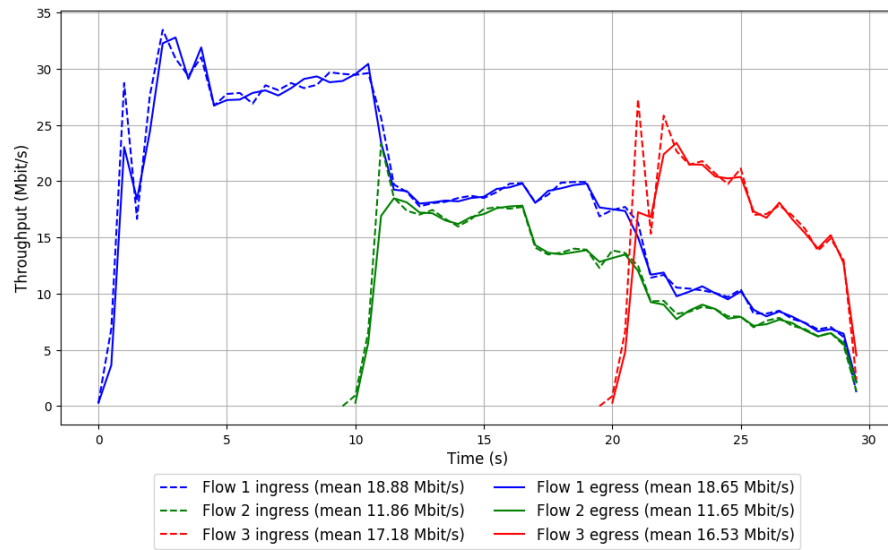


Run 5: Statistics of QUIC Cubic

Start at: 2017-10-12 07:59:43
End at: 2017-10-12 08:00:13
Local clock offset: 0.647 ms
Remote clock offset: -4.632 ms

Below is generated by plot.py at 2017-10-12 10:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 86.215 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 86.221 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 85.175 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 85.677 ms
Loss rate: 3.81%

Run 5: Report of QUIC Cubic — Data Link

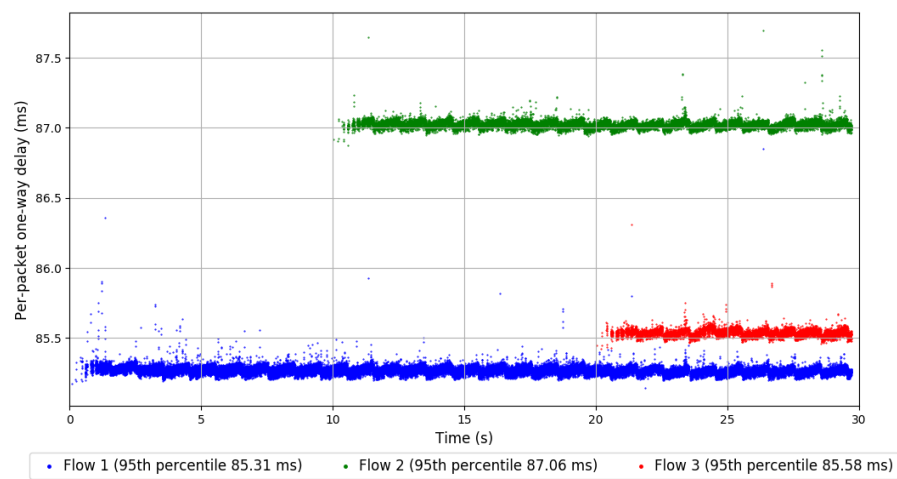
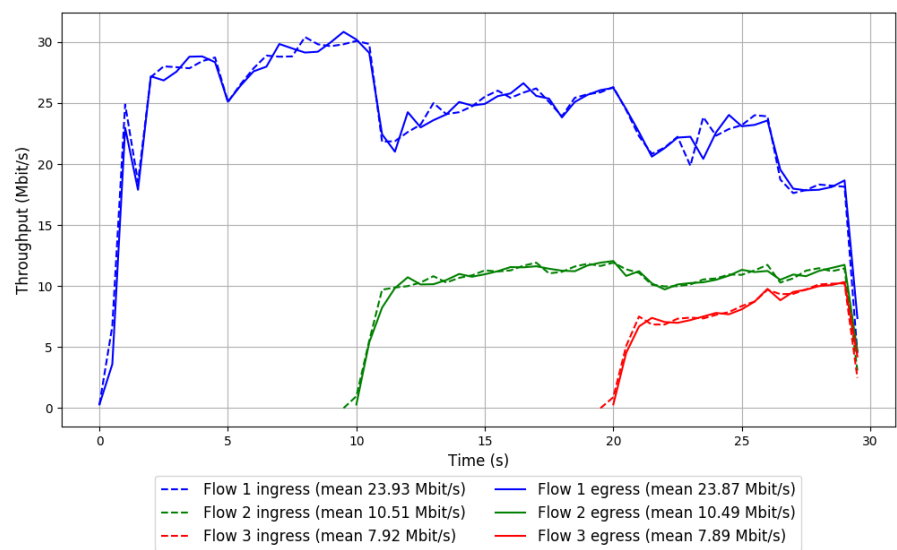


Run 6: Statistics of QUIC Cubic

Start at: 2017-10-12 08:18:07
End at: 2017-10-12 08:18:37
Local clock offset: 0.615 ms
Remote clock offset: -4.402 ms

Below is generated by plot.py at 2017-10-12 10:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 87.041 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 85.306 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 87.062 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 85.575 ms
Loss rate: 0.38%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-10-12 08:36:25

End at: 2017-10-12 08:36:56

Local clock offset: 0.59 ms

Remote clock offset: -4.03 ms

Below is generated by plot.py at 2017-10-12 10:05:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 85.862 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 85.865 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 85.193 ms

Loss rate: 0.14%

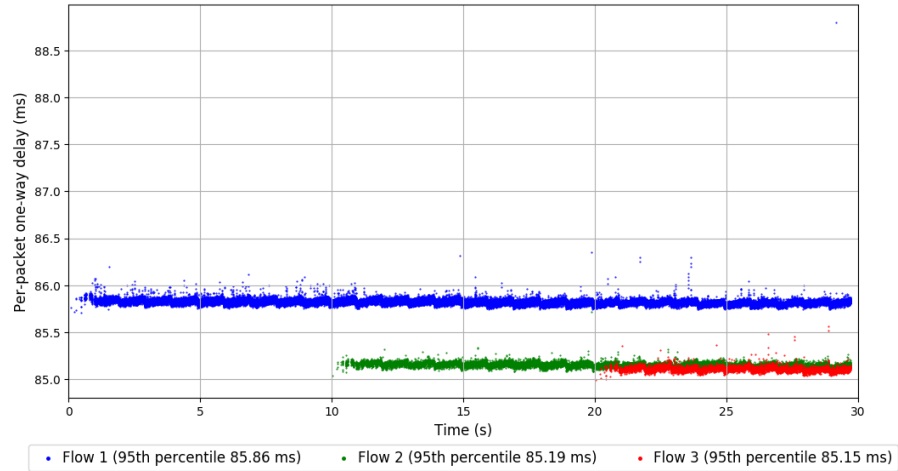
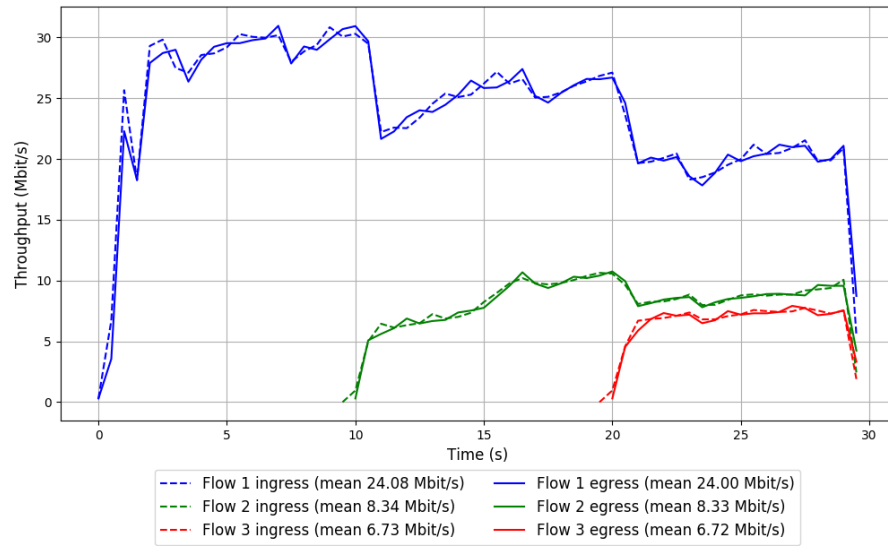
-- Flow 3:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 85.149 ms

Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link

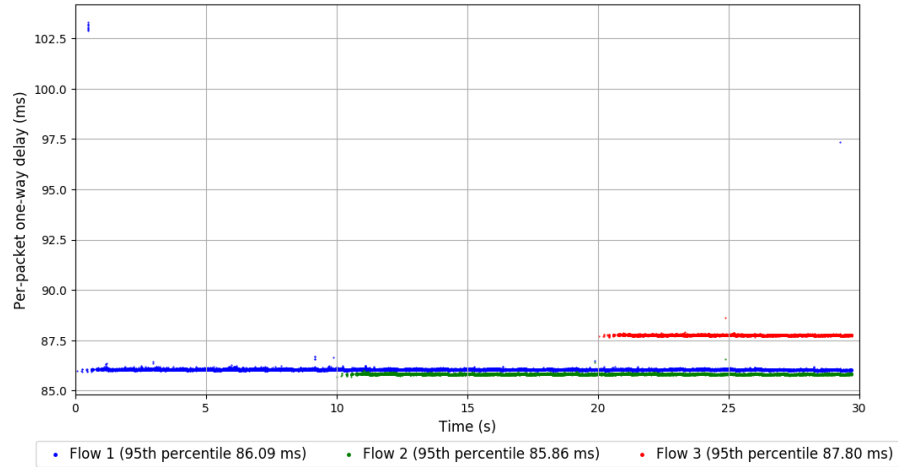
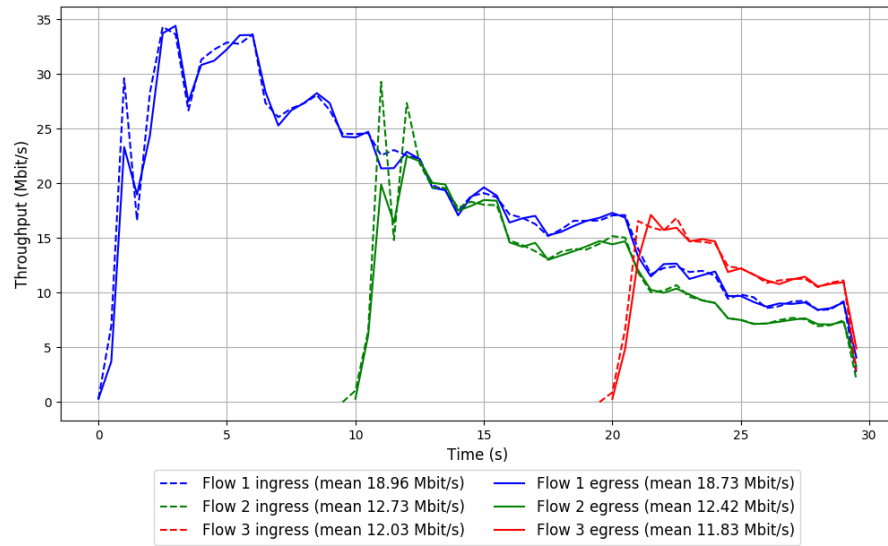


Run 8: Statistics of QUIC Cubic

Start at: 2017-10-12 08:54:46
End at: 2017-10-12 08:55:16
Local clock offset: 0.6 ms
Remote clock offset: -2.239 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 87.769 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 86.090 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 85.863 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 87.795 ms
Loss rate: 1.67%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-10-12 09:13:05

End at: 2017-10-12 09:13:35

Local clock offset: 0.657 ms

Remote clock offset: -1.5 ms

Below is generated by plot.py at 2017-10-12 10:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 86.246 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 86.092 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 85.780 ms

Loss rate: 4.35%

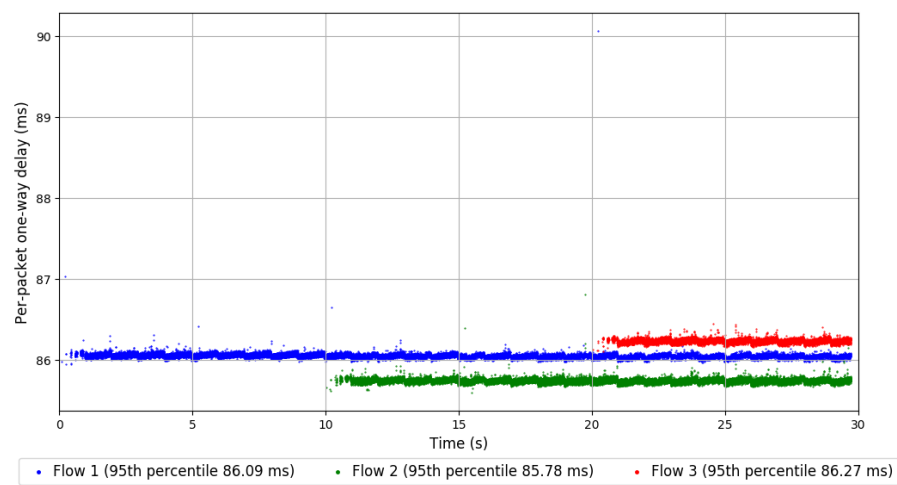
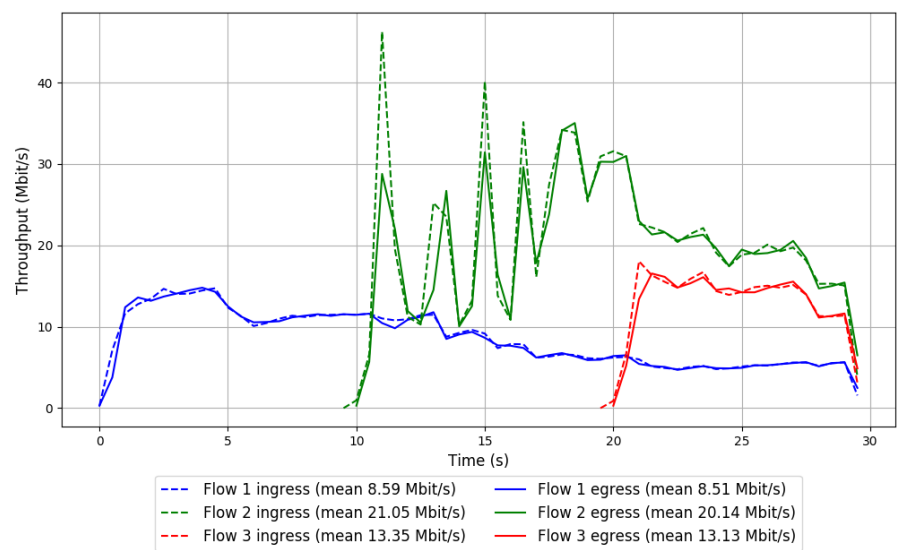
-- Flow 3:

Average throughput: 13.13 Mbit/s

95th percentile per-packet one-way delay: 86.270 ms

Loss rate: 1.66%

Run 9: Report of QUIC Cubic — Data Link

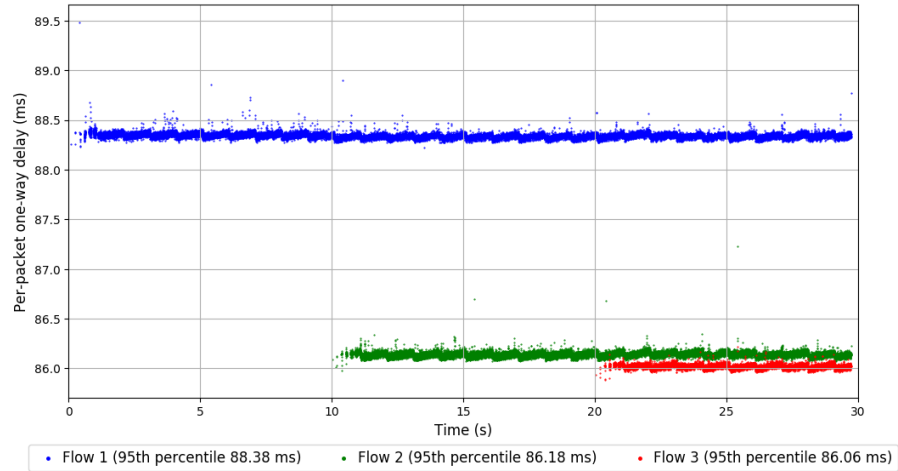
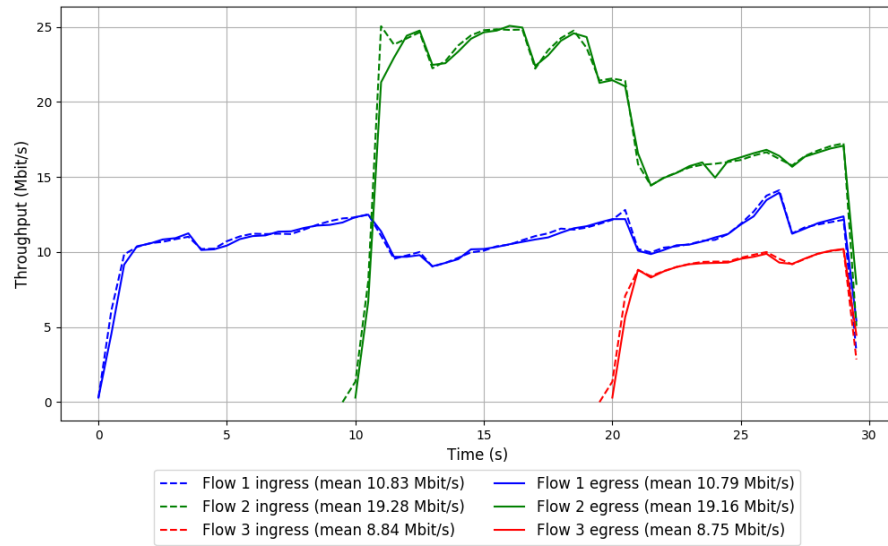


Run 10: Statistics of QUIC Cubic

Start at: 2017-10-12 09:31:15
End at: 2017-10-12 09:31:45
Local clock offset: 0.672 ms
Remote clock offset: -0.902 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 88.369 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 88.381 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 86.178 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 86.057 ms
Loss rate: 0.99%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2017-10-12 07:03:36

End at: 2017-10-12 07:04:06

Local clock offset: 0.673 ms

Remote clock offset: -4.13 ms

Below is generated by plot.py at 2017-10-12 10:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 87.058 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.071 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 85.593 ms

Loss rate: 0.24%

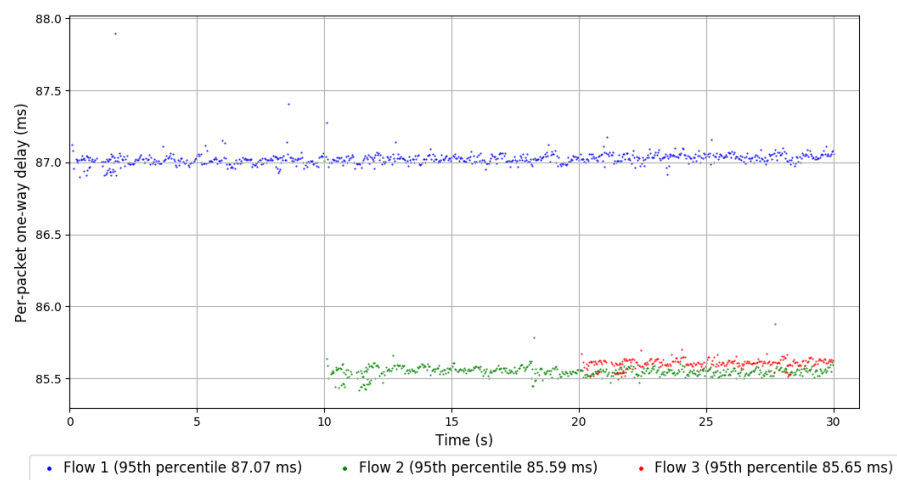
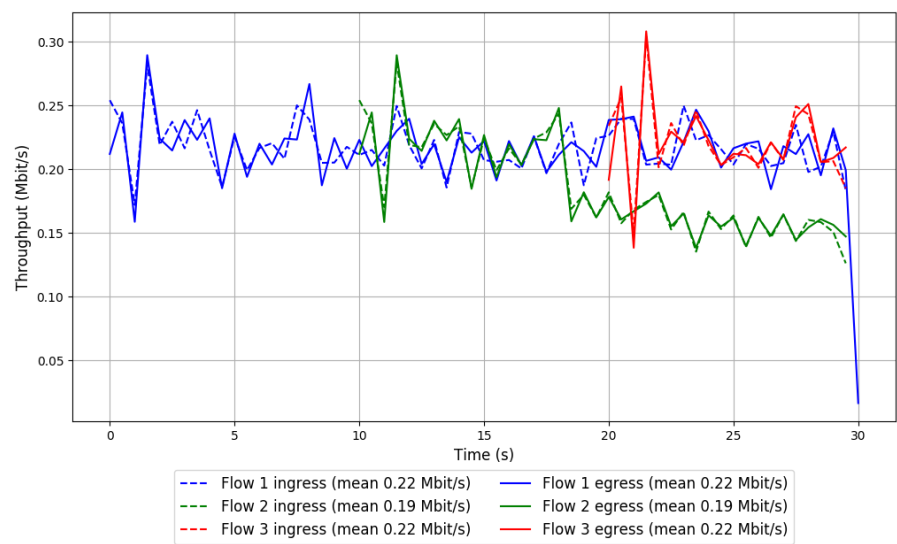
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.649 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

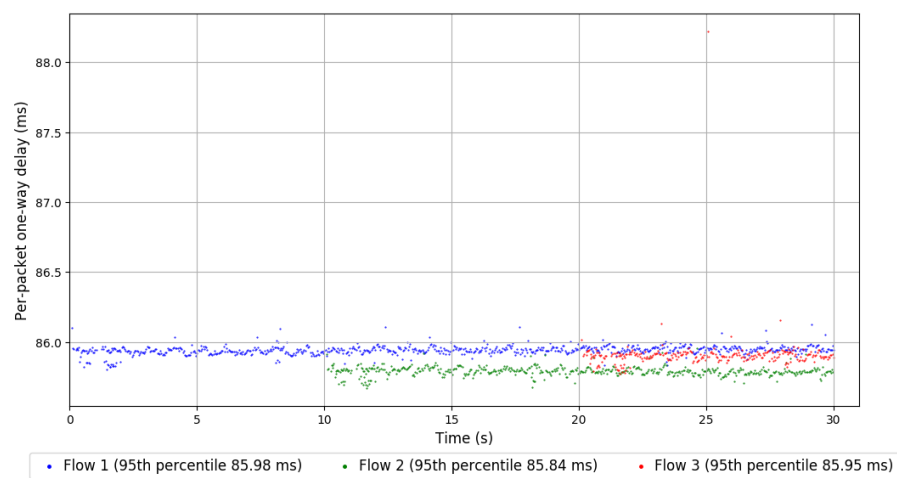
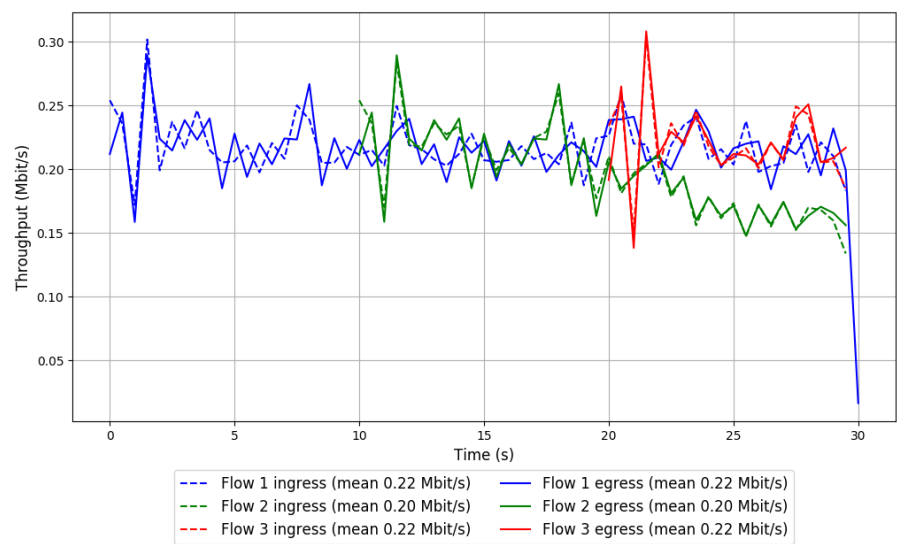


Run 2: Statistics of SReAM

Start at: 2017-10-12 07:21:50
End at: 2017-10-12 07:22:20
Local clock offset: 0.687 ms
Remote clock offset: -4.371 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 85.973 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 85.836 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.948 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

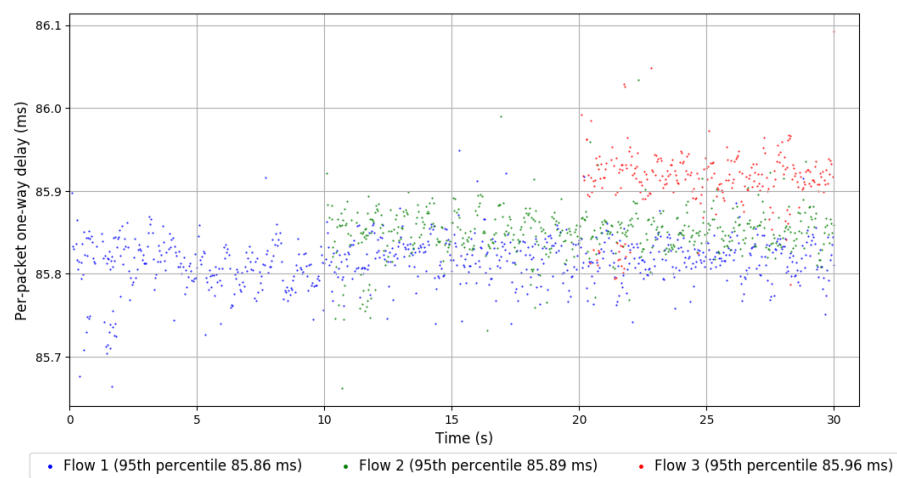
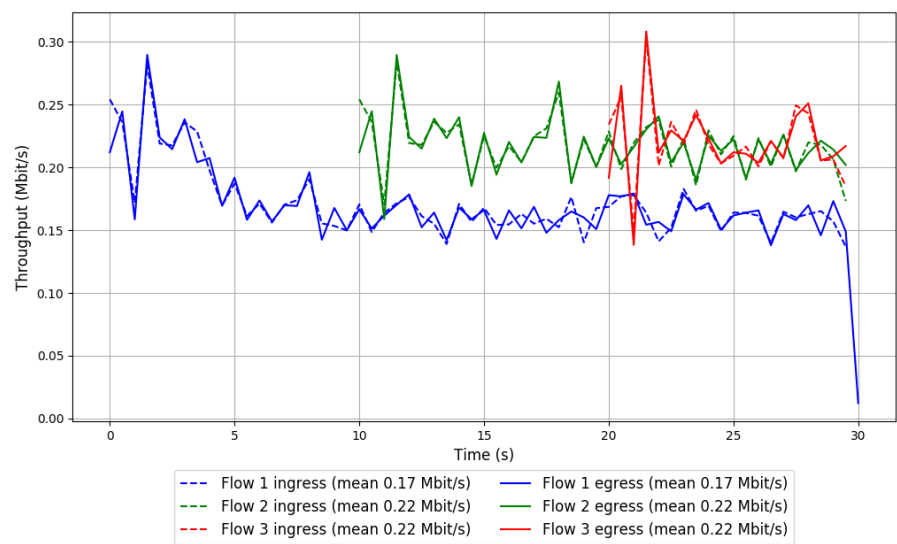


Run 3: Statistics of SReAM

Start at: 2017-10-12 07:40:10
End at: 2017-10-12 07:40:40
Local clock offset: 0.621 ms
Remote clock offset: -4.606 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 85.932 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 85.855 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.962 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

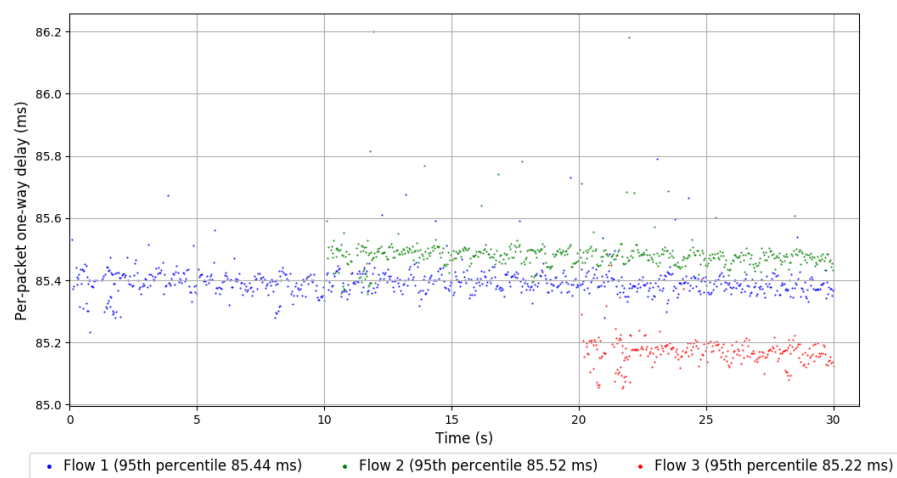
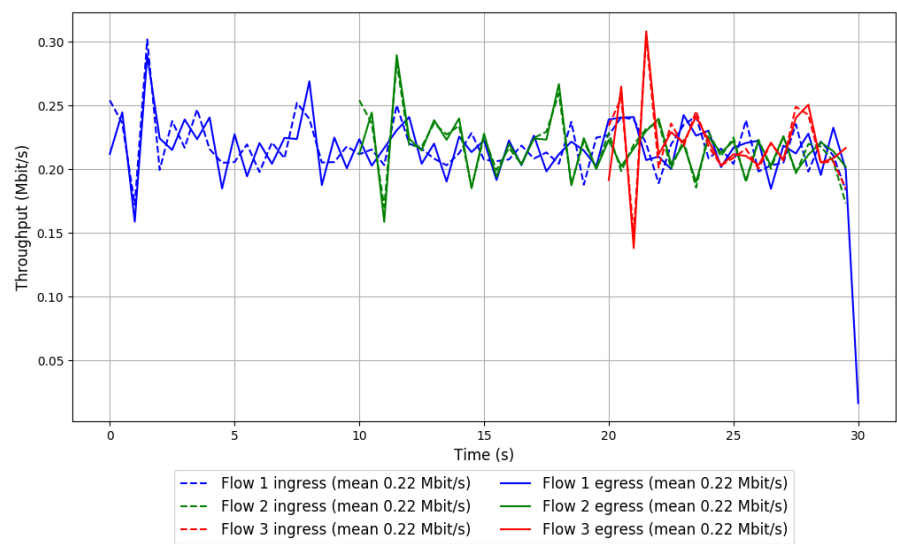


Run 4: Statistics of SReAM

Start at: 2017-10-12 07:58:29
End at: 2017-10-12 07:58:59
Local clock offset: 0.674 ms
Remote clock offset: -4.958 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.221 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

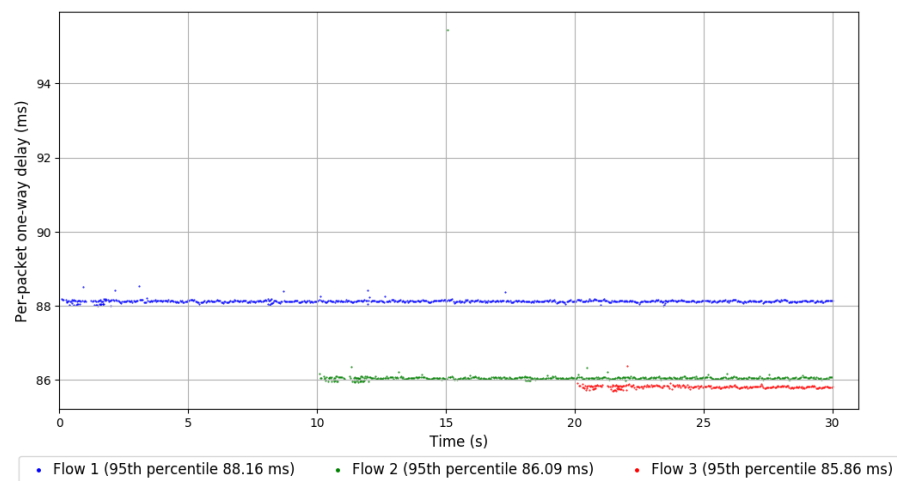
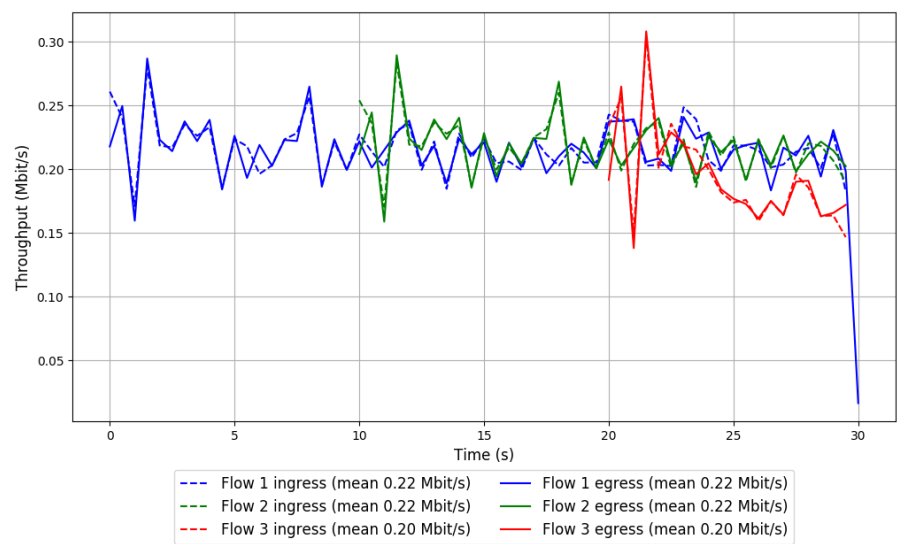


Run 5: Statistics of SCReAM

Start at: 2017-10-12 08:16:52
End at: 2017-10-12 08:17:22
Local clock offset: 0.606 ms
Remote clock offset: -4.144 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.151 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.089 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 85.860 ms
Loss rate: 0.46%

Run 5: Report of SReAM — Data Link

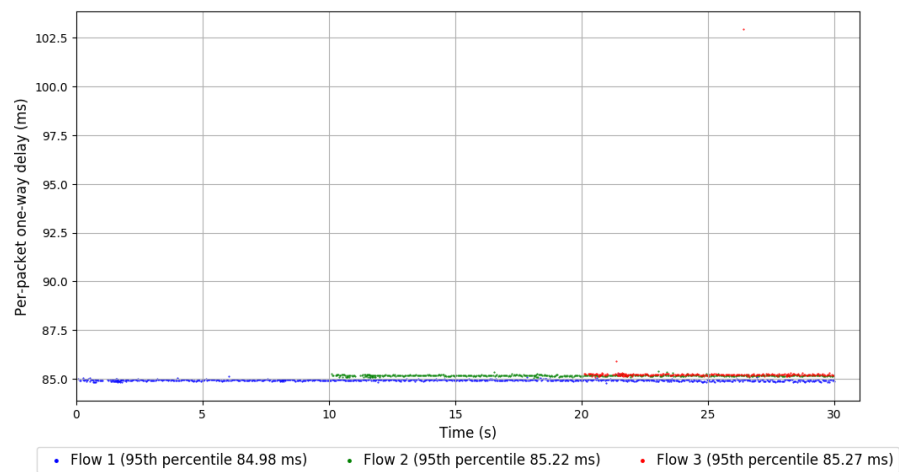
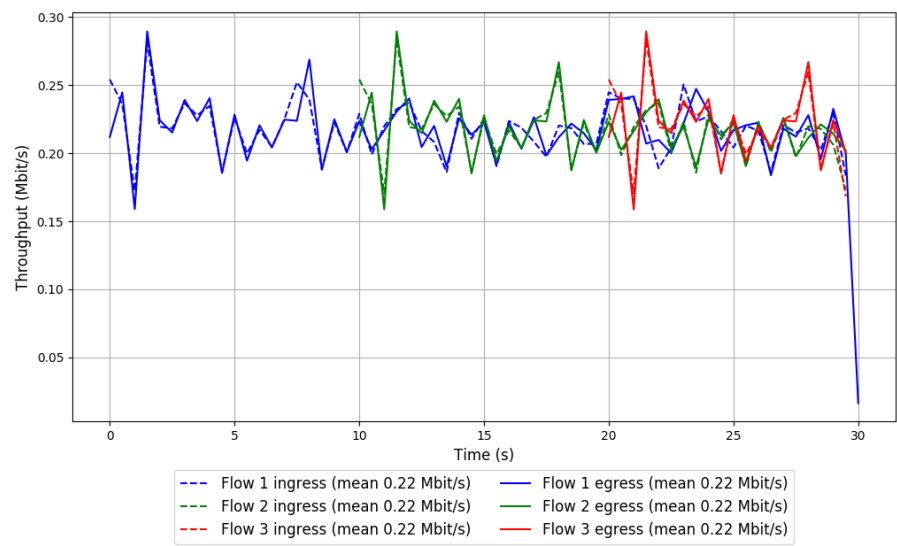


Run 6: Statistics of SCReAM

Start at: 2017-10-12 08:35:11
End at: 2017-10-12 08:35:41
Local clock offset: 0.651 ms
Remote clock offset: -4.222 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.268 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

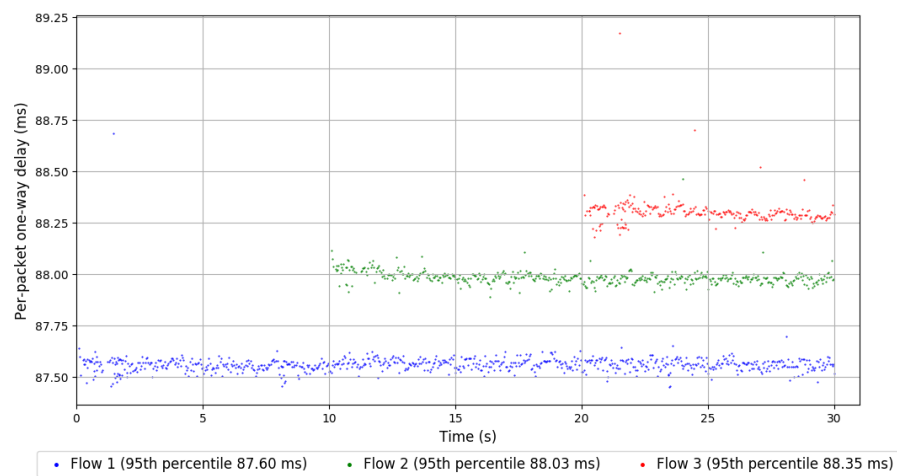
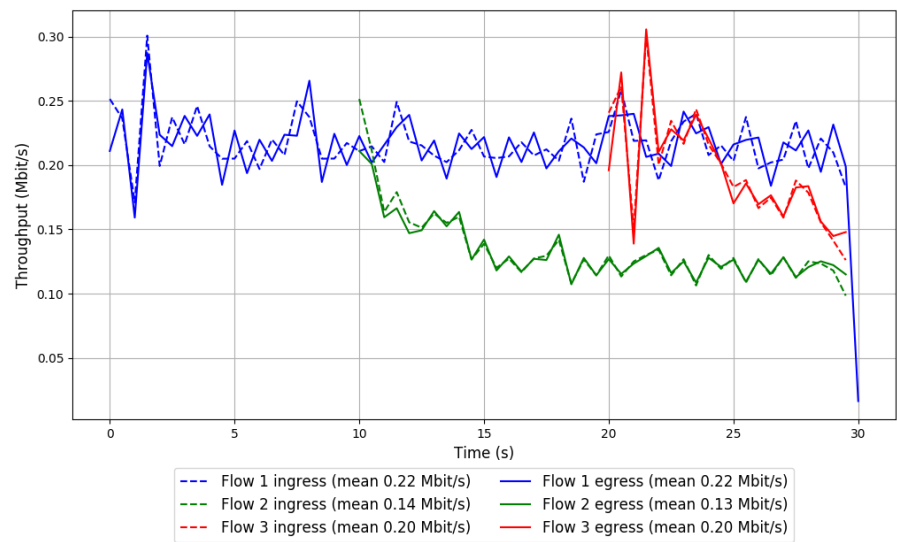


Run 7: Statistics of SReAM

Start at: 2017-10-12 08:53:32
End at: 2017-10-12 08:54:02
Local clock offset: 0.705 ms
Remote clock offset: -2.561 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 88.313 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.600 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 88.033 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 88.350 ms
Loss rate: 0.46%

Run 7: Report of SReAM — Data Link

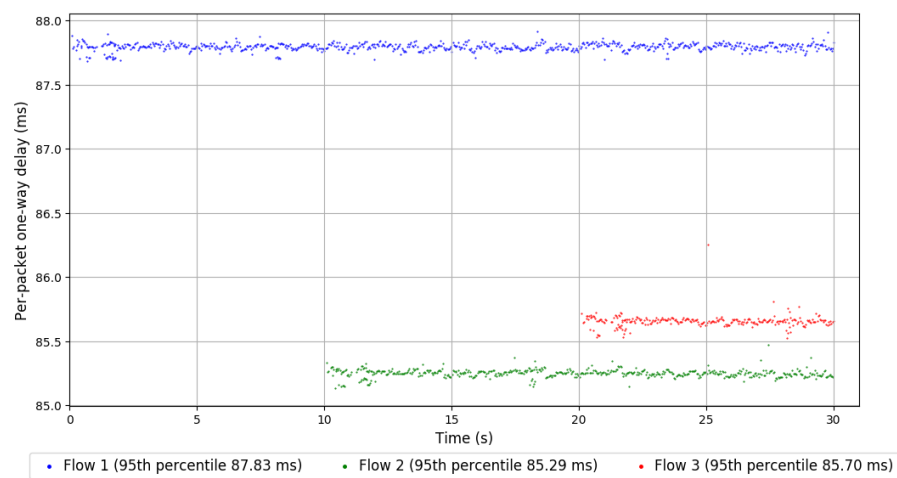
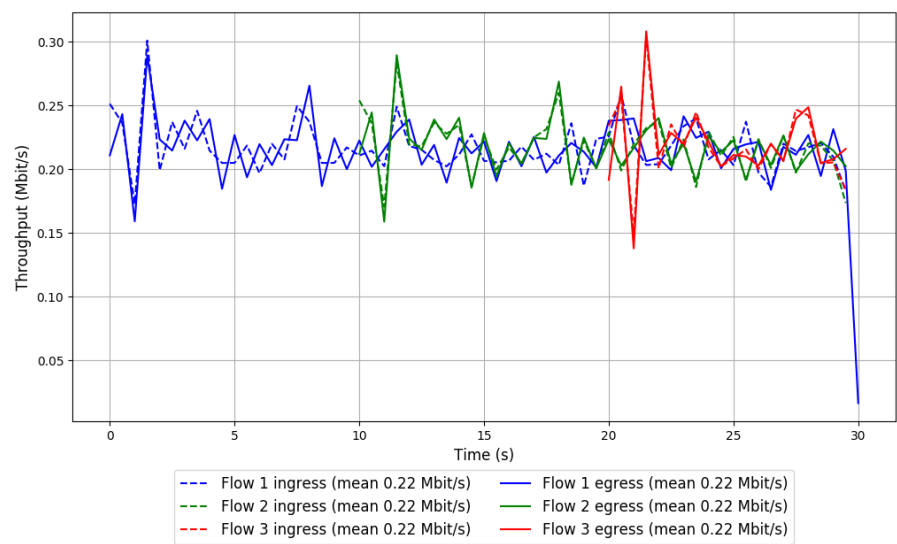


Run 8: Statistics of SReAM

Start at: 2017-10-12 09:11:50
End at: 2017-10-12 09:12:20
Local clock offset: 0.671 ms
Remote clock offset: -2.338 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.701 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

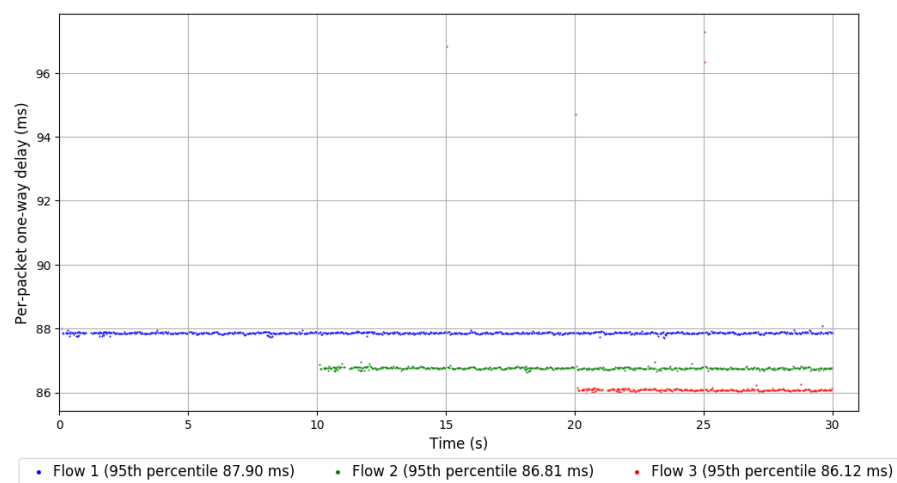
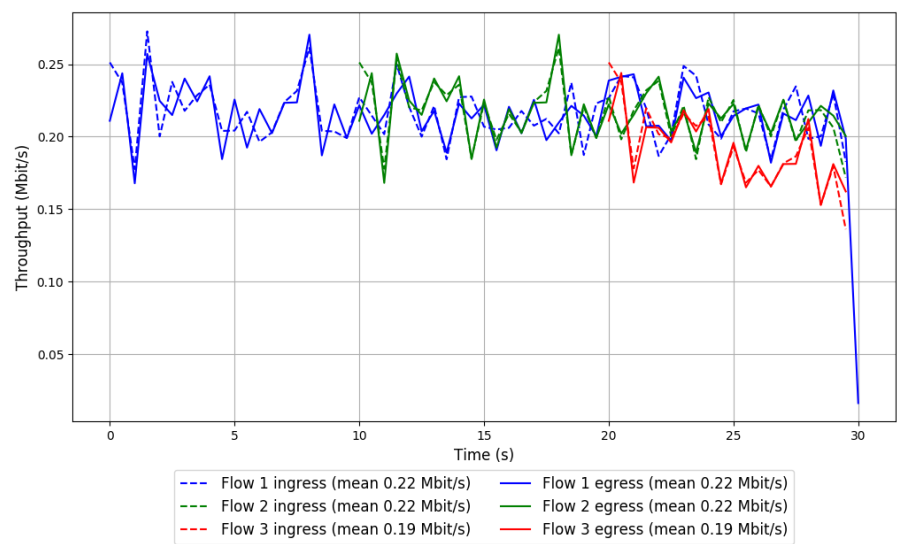


Run 9: Statistics of SCReAM

Start at: 2017-10-12 09:30:01
End at: 2017-10-12 09:30:31
Local clock offset: 0.676 ms
Remote clock offset: -0.997 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.893 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.119 ms
Loss rate: 0.54%

Run 9: Report of SReAM — Data Link

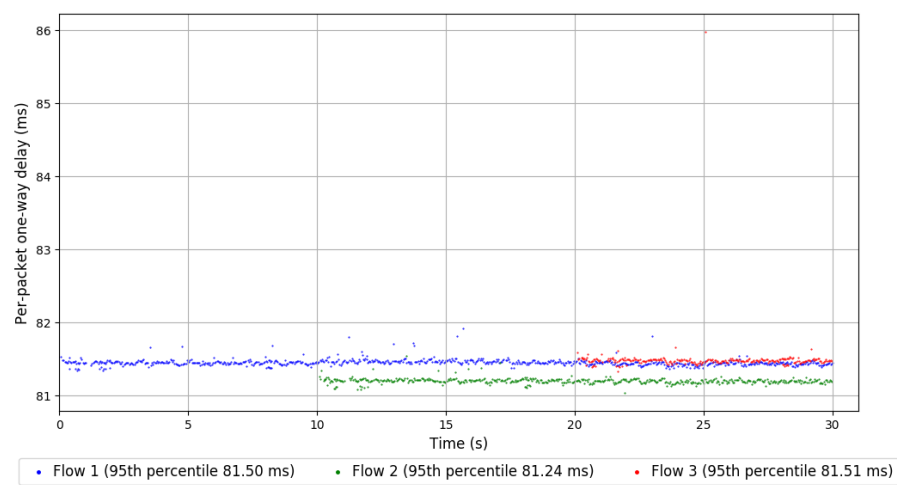
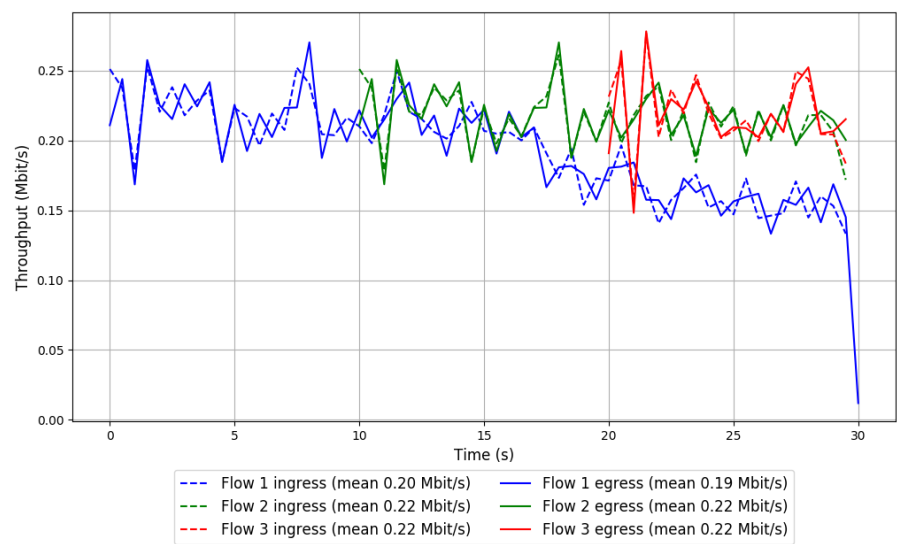


Run 10: Statistics of SReAM

Start at: 2017-10-12 09:48:16
End at: 2017-10-12 09:48:46
Local clock offset: 0.653 ms
Remote clock offset: -5.692 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 81.500 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 81.500 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.512 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

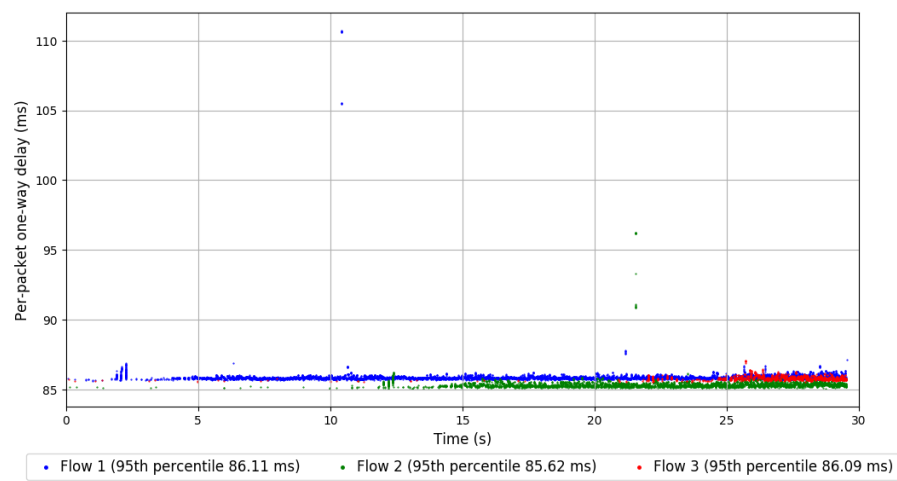
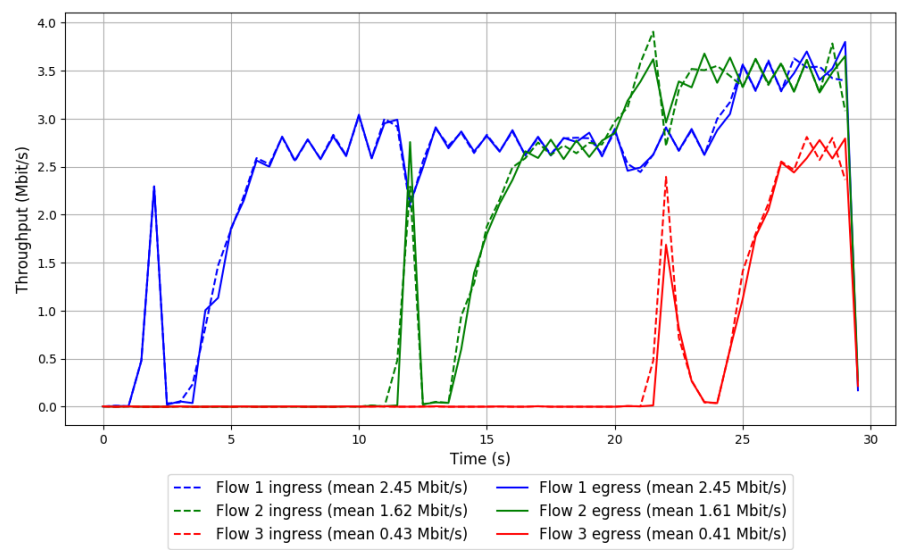


Run 1: Statistics of WebRTC media

Start at: 2017-10-12 07:01:07
End at: 2017-10-12 07:01:37
Local clock offset: 0.662 ms
Remote clock offset: -4.084 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 86.106 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 85.619 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.086 ms
Loss rate: 4.20%

Run 1: Report of WebRTC media — Data Link

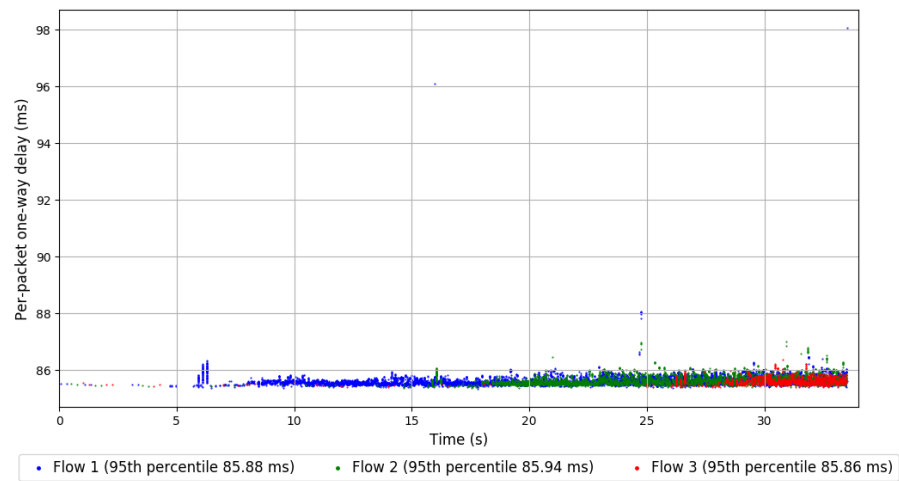
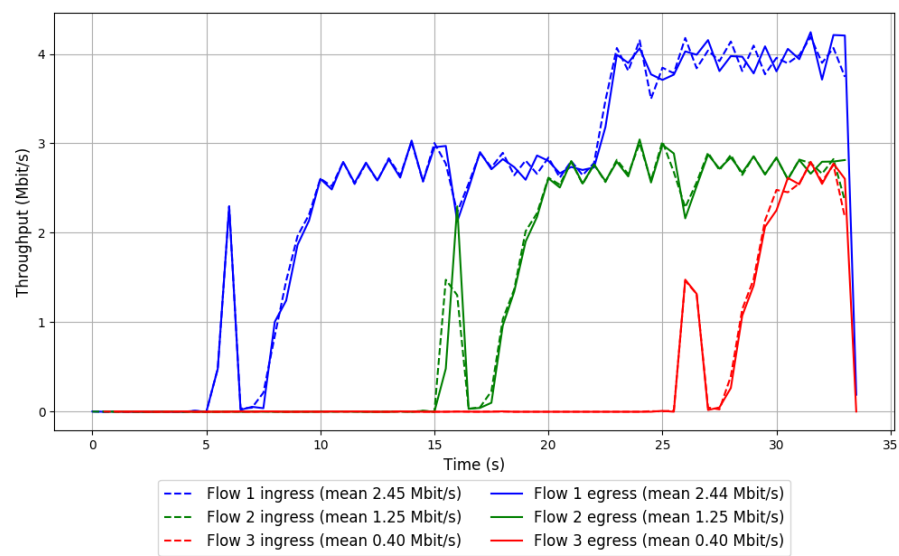


Run 2: Statistics of WebRTC media

Start at: 2017-10-12 07:19:20
End at: 2017-10-12 07:19:50
Local clock offset: 0.625 ms
Remote clock offset: -4.814 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 85.897 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 85.880 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 85.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 85.857 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

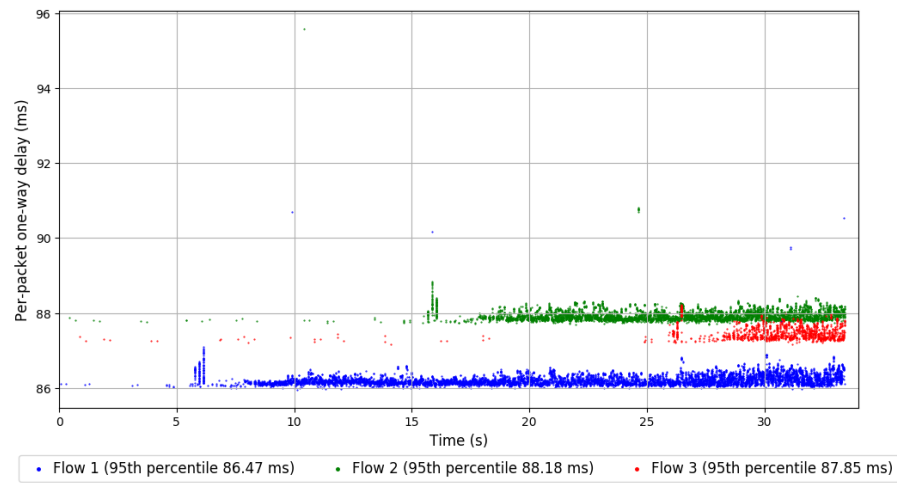
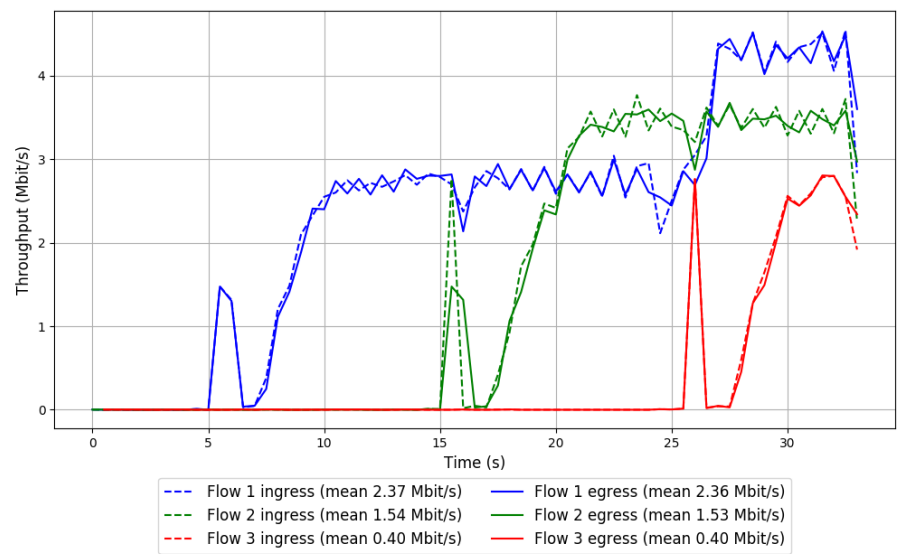


Run 3: Statistics of WebRTC media

Start at: 2017-10-12 07:37:41
End at: 2017-10-12 07:38:11
Local clock offset: 0.672 ms
Remote clock offset: -4.317 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 88.079 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 86.467 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 88.182 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 87.854 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

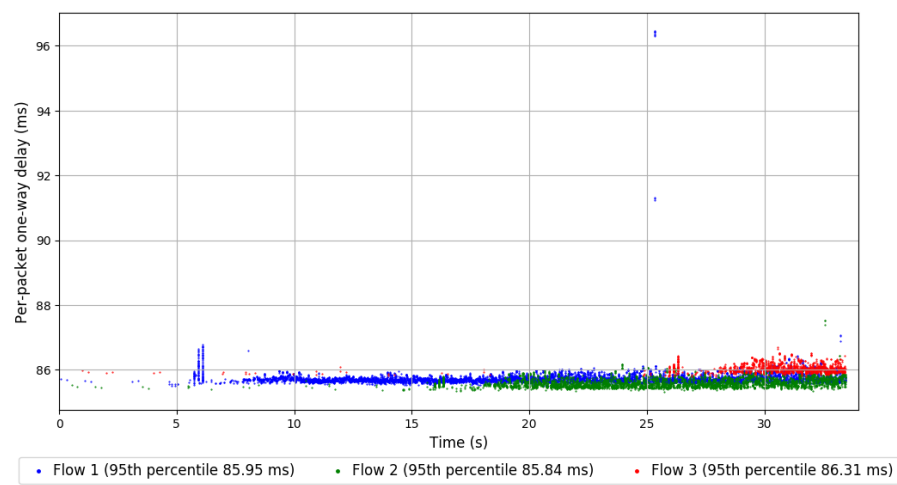
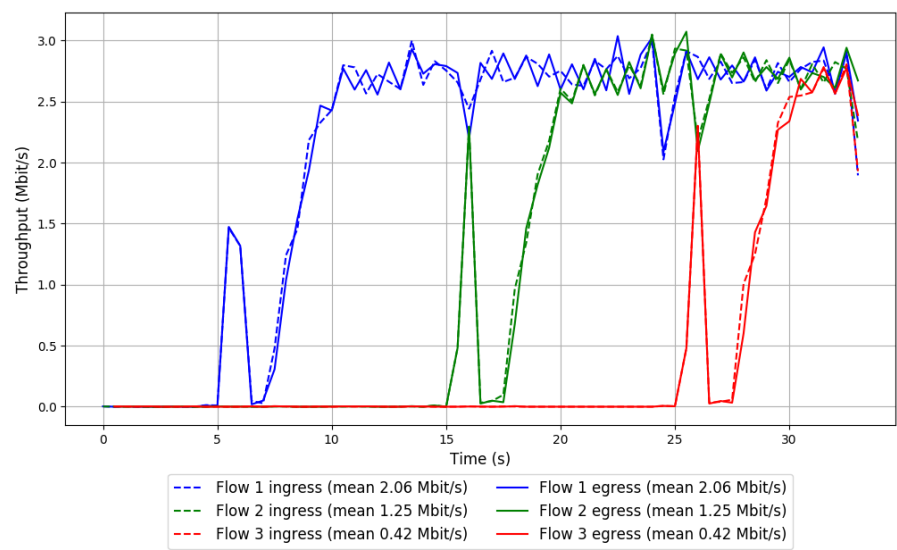


Run 4: Statistics of WebRTC media

Start at: 2017-10-12 07:55:59
End at: 2017-10-12 07:56:29
Local clock offset: 0.682 ms
Remote clock offset: -4.684 ms

```
# Below is generated by plot.py at 2017-10-12 10:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 86.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 85.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 85.843 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.313 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

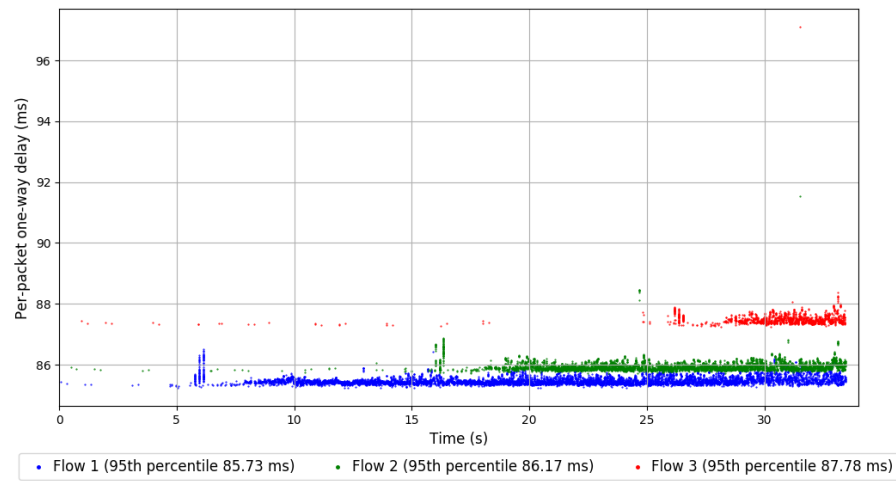
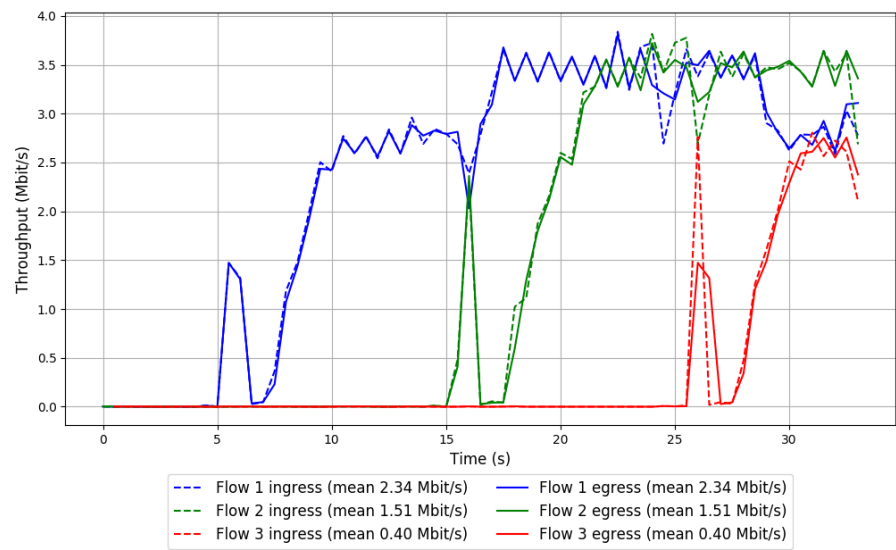


Run 5: Statistics of WebRTC media

Start at: 2017-10-12 08:14:23
End at: 2017-10-12 08:14:53
Local clock offset: 0.592 ms
Remote clock offset: -4.121 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 87.463 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 85.728 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 86.173 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 87.777 ms
Loss rate: 0.67%

Run 5: Report of WebRTC media — Data Link

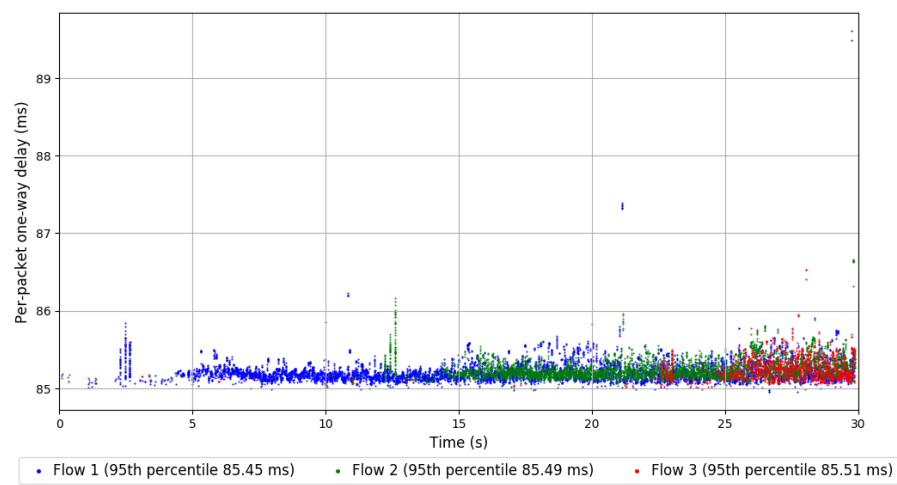
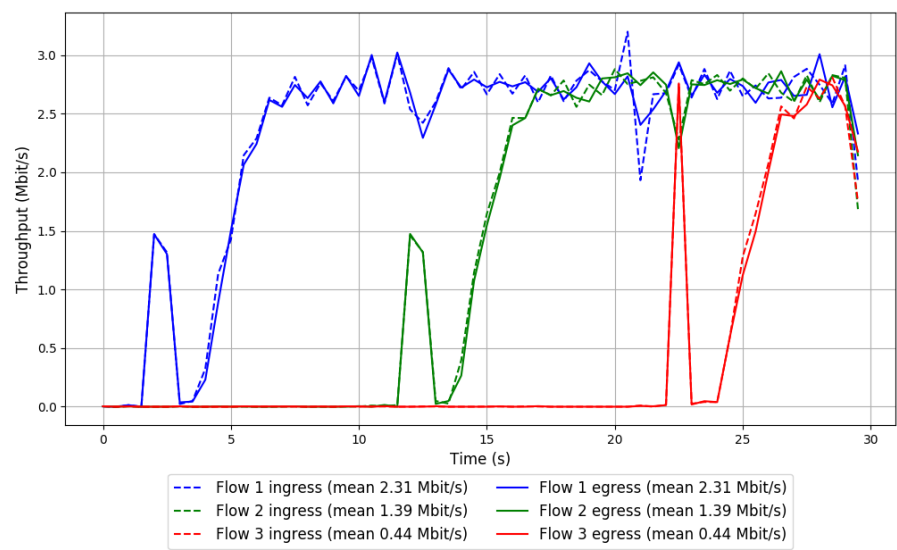


Run 6: Statistics of WebRTC media

Start at: 2017-10-12 08:32:42
End at: 2017-10-12 08:33:12
Local clock offset: 0.635 ms
Remote clock offset: -4.392 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 85.476 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 85.451 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 85.486 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.508 ms
Loss rate: 0.22%

Run 6: Report of WebRTC media — Data Link

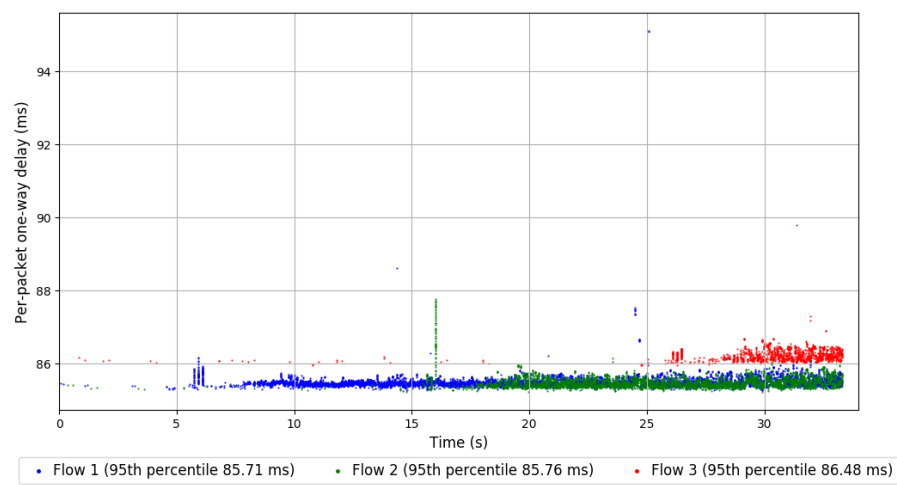
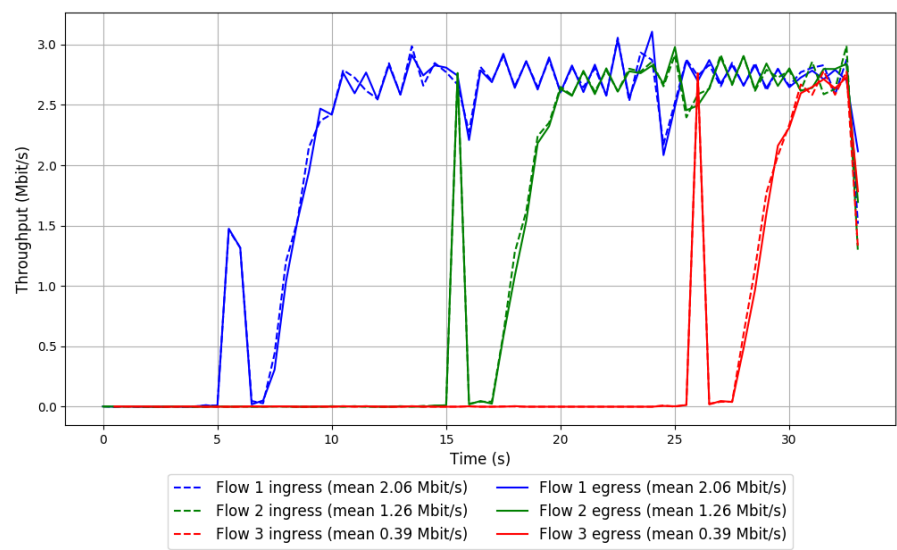


Run 7: Statistics of WebRTC media

Start at: 2017-10-12 08:51:02
End at: 2017-10-12 08:51:32
Local clock offset: 0.685 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 85.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 85.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

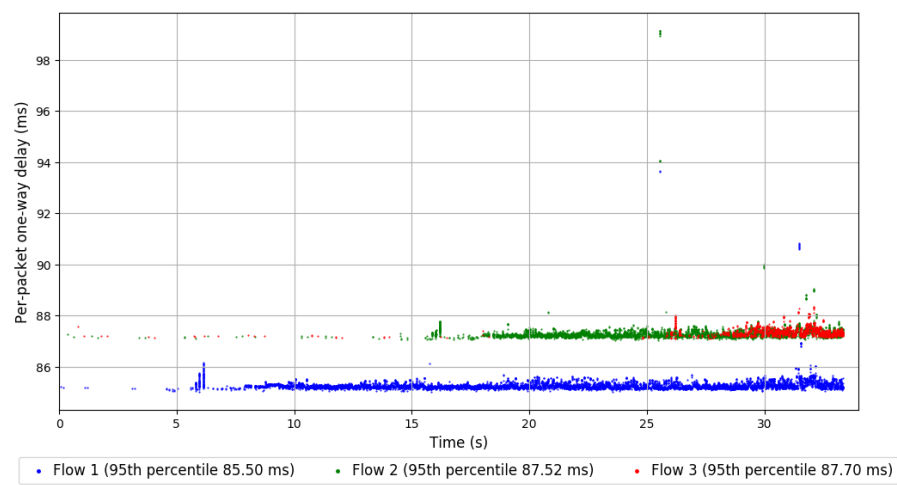
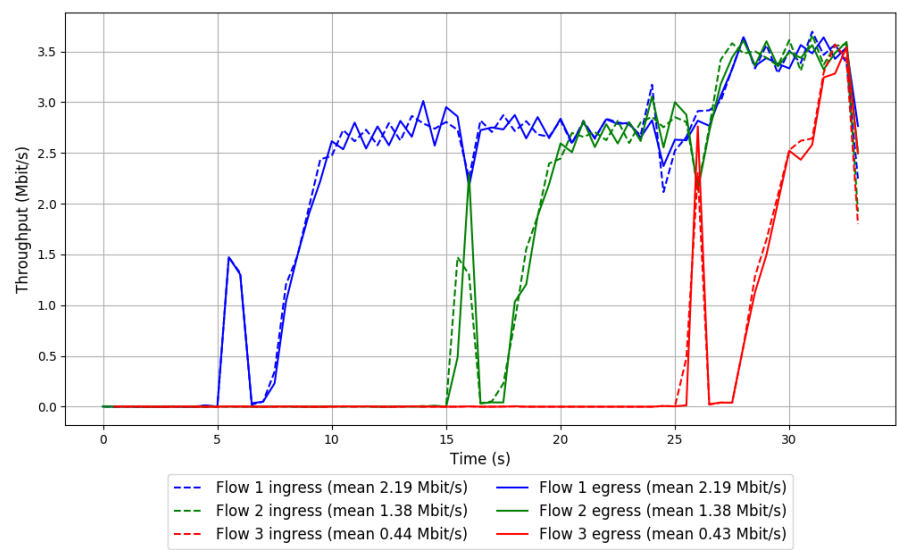


Run 8: Statistics of WebRTC media

Start at: 2017-10-12 09:09:21
End at: 2017-10-12 09:09:51
Local clock offset: 0.652 ms
Remote clock offset: -2.534 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 87.476 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 85.495 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 87.515 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.696 ms
Loss rate: 0.53%

Run 8: Report of WebRTC media — Data Link

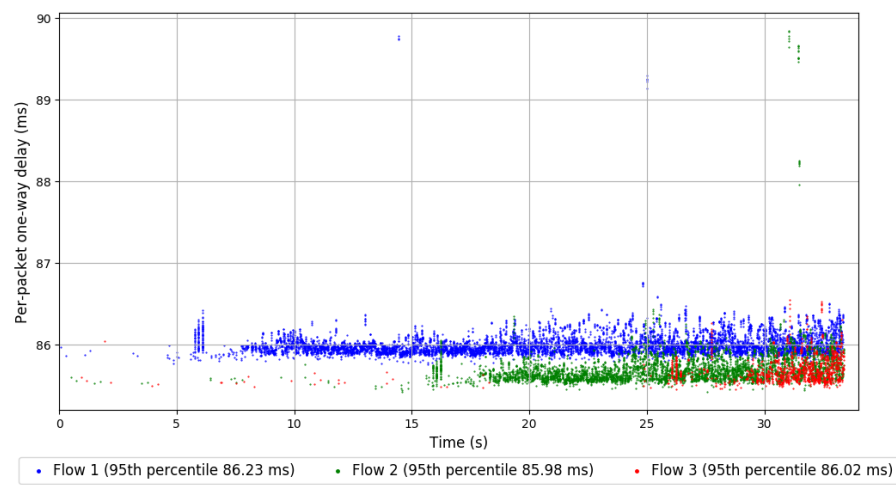
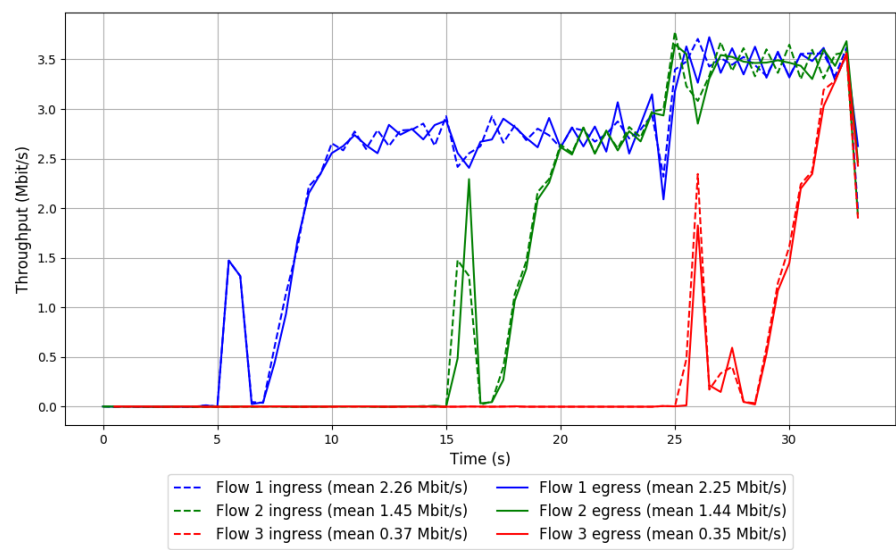


Run 9: Statistics of WebRTC media

Start at: 2017-10-12 09:27:33
End at: 2017-10-12 09:28:03
Local clock offset: 0.662 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 86.186 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 86.232 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 85.979 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.023 ms
Loss rate: 4.00%

Run 9: Report of WebRTC media — Data Link

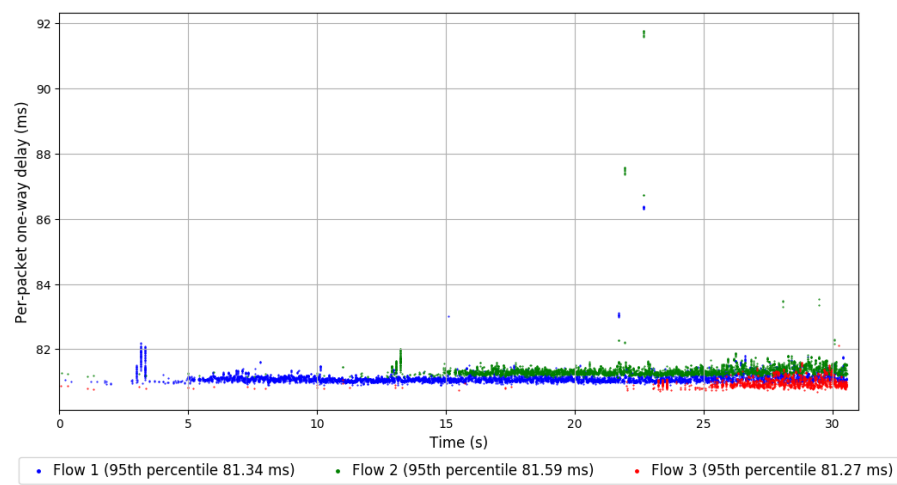
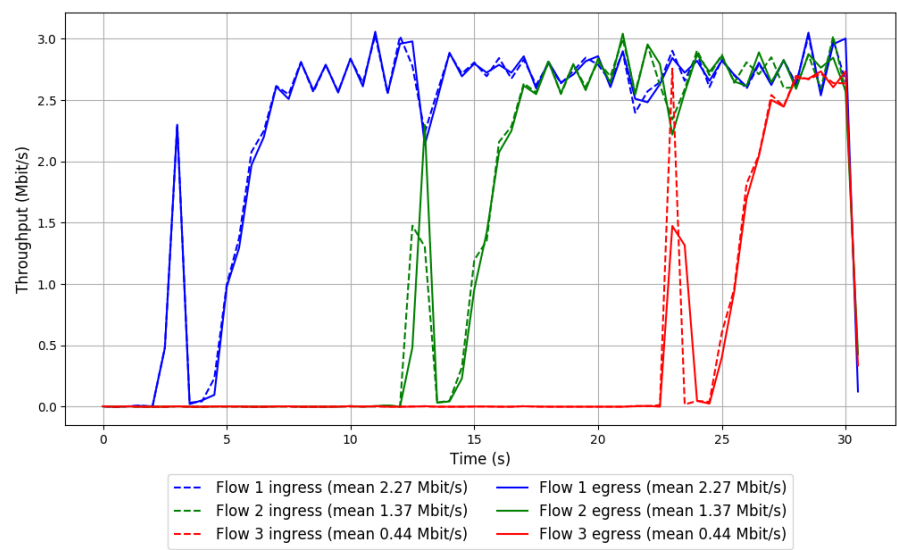


Run 10: Statistics of WebRTC media

Start at: 2017-10-12 09:45:47
End at: 2017-10-12 09:46:17
Local clock offset: 0.61 ms
Remote clock offset: -5.945 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 81.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 81.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 81.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.271 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

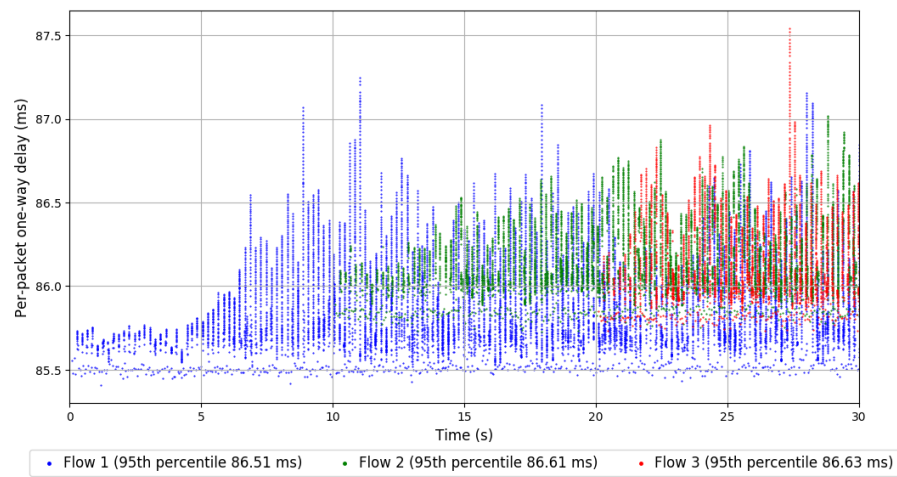
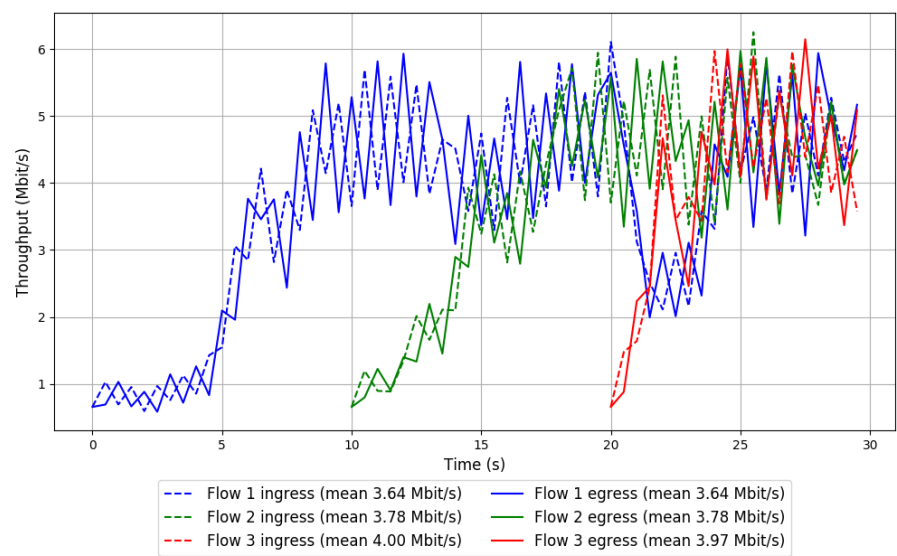


Run 1: Statistics of Sprout

Start at: 2017-10-12 07:02:21
End at: 2017-10-12 07:02:51
Local clock offset: 0.713 ms
Remote clock offset: -3.723 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.510 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.81%

Run 1: Report of Sprout — Data Link

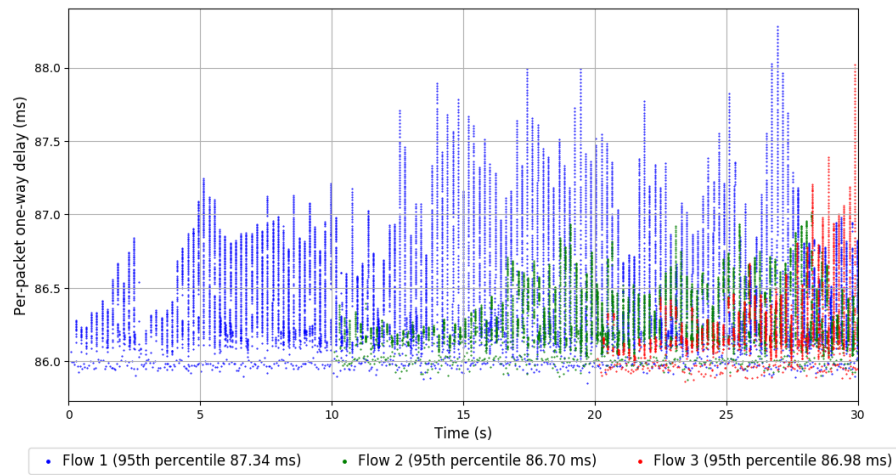
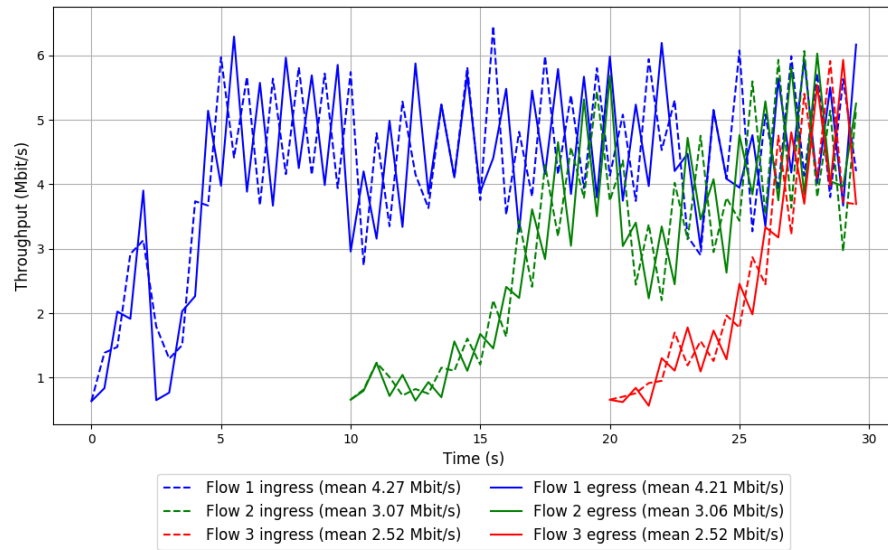


Run 2: Statistics of Sprout

Start at: 2017-10-12 07:20:35
End at: 2017-10-12 07:21:05
Local clock offset: 0.673 ms
Remote clock offset: -4.436 ms

Below is generated by plot.py at 2017-10-12 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 87.207 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 87.336 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

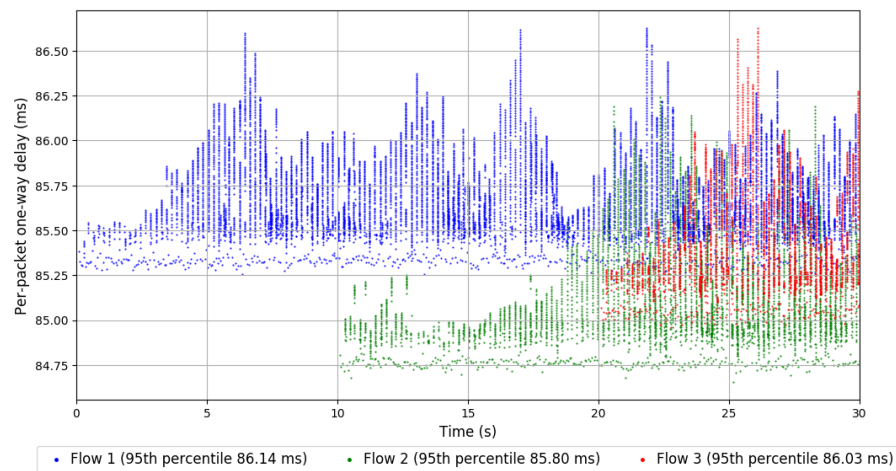
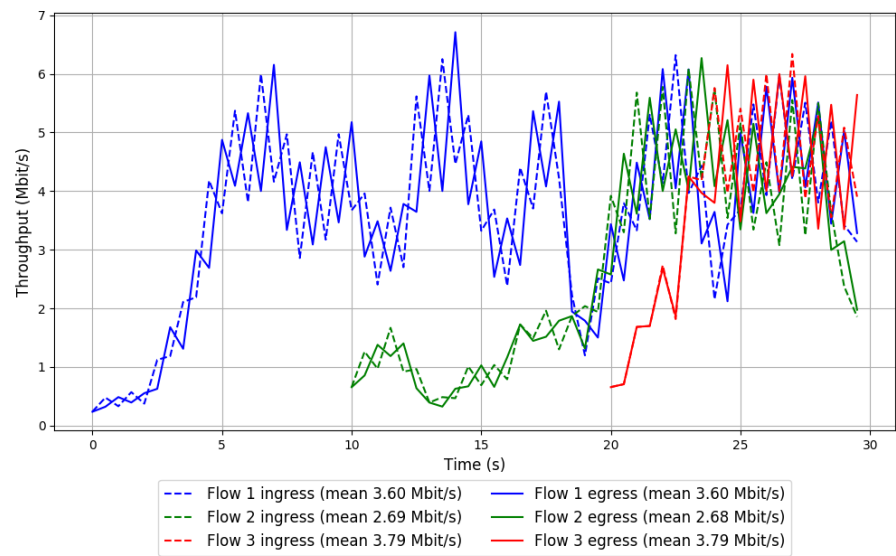


Run 3: Statistics of Sprout

Start at: 2017-10-12 07:38:55
End at: 2017-10-12 07:39:25
Local clock offset: 0.705 ms
Remote clock offset: -5.028 ms

```
# Below is generated by plot.py at 2017-10-12 10:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 86.079 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 86.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 85.801 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 86.033 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

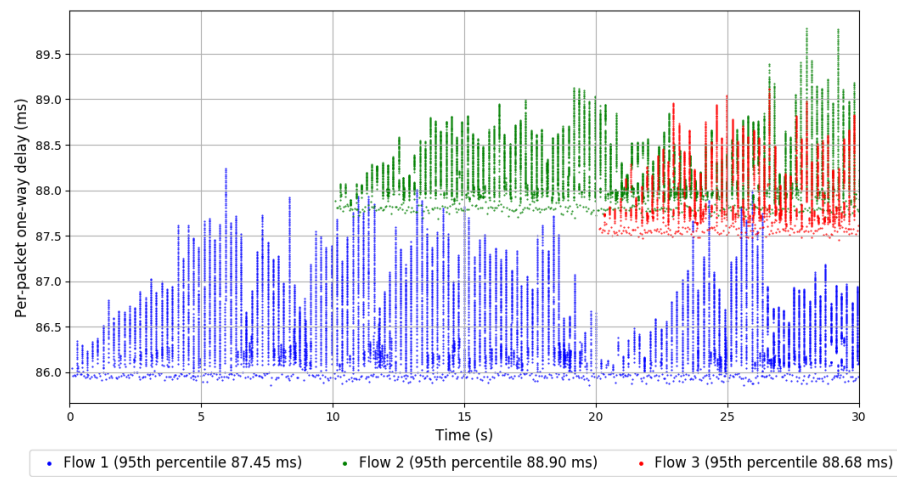
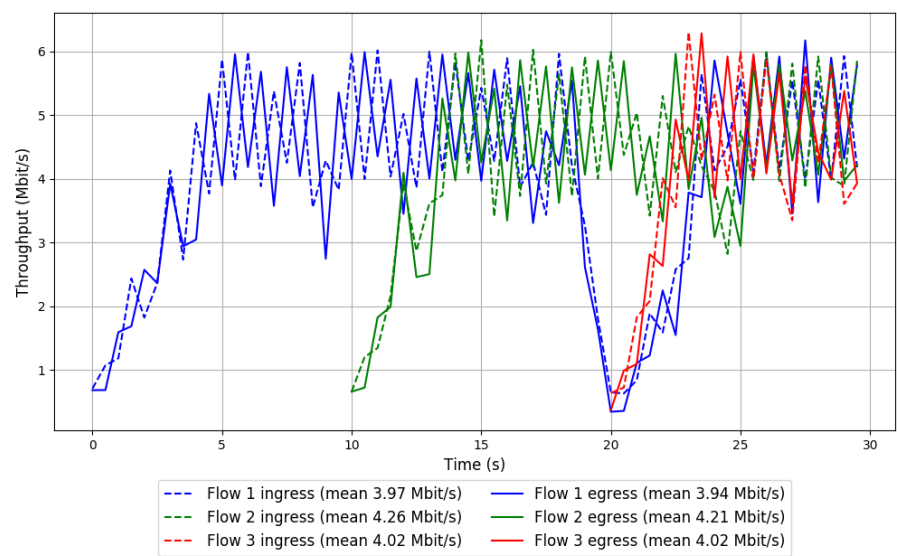


Run 4: Statistics of Sprout

Start at: 2017-10-12 07:57:14
End at: 2017-10-12 07:57:44
Local clock offset: 0.647 ms
Remote clock offset: -4.337 ms

```
# Below is generated by plot.py at 2017-10-12 10:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 88.690 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.454 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 88.898 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 88.683 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

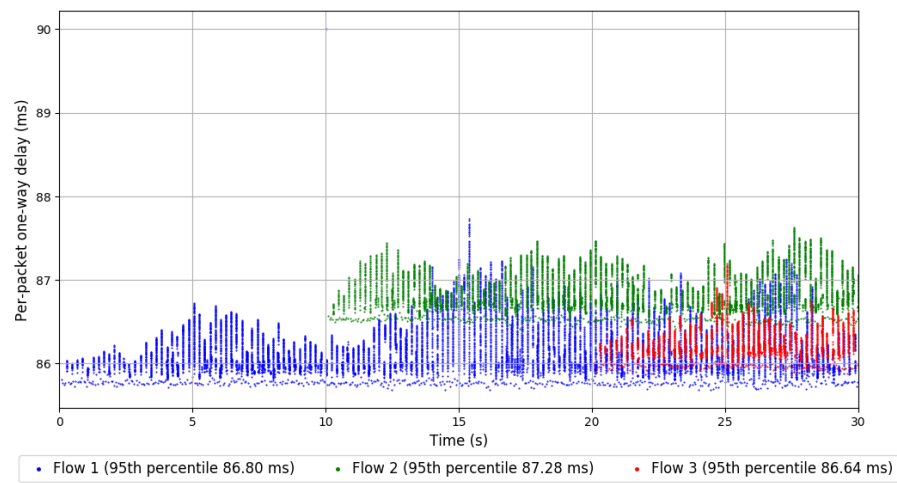
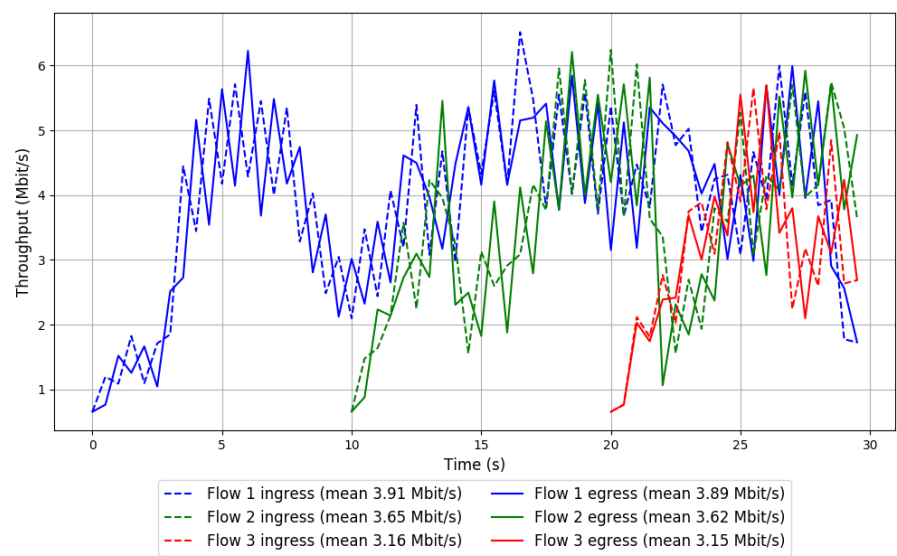


Run 5: Statistics of Sprout

Start at: 2017-10-12 08:15:38
End at: 2017-10-12 08:16:08
Local clock offset: 0.614 ms
Remote clock offset: -3.848 ms

Below is generated by plot.py at 2017-10-12 10:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 87.155 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 86.801 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 87.284 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.23%

Run 5: Report of Sprout — Data Link

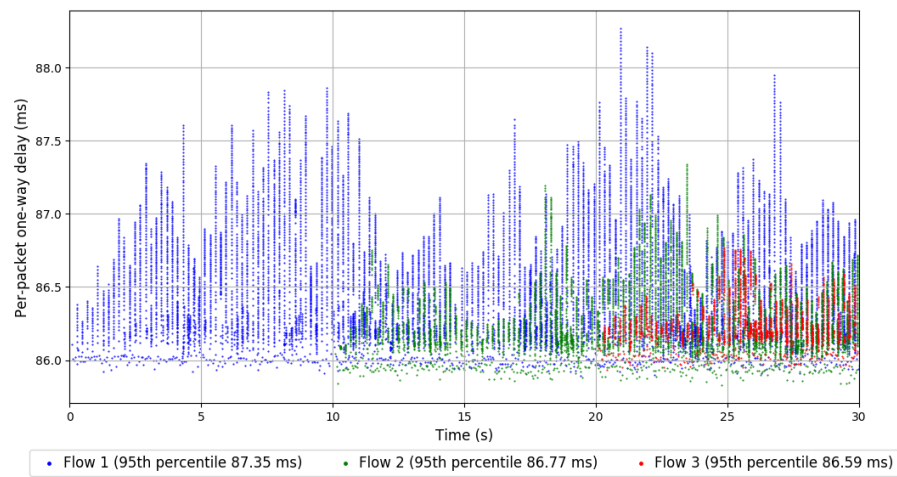
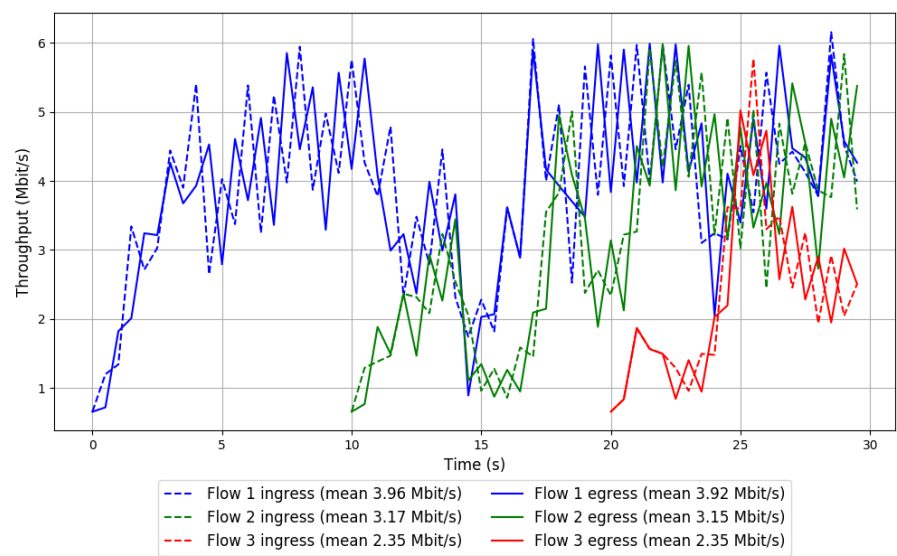


Run 6: Statistics of Sprout

Start at: 2017-10-12 08:33:56
End at: 2017-10-12 08:34:27
Local clock offset: 0.645 ms
Remote clock offset: -3.382 ms

```
# Below is generated by plot.py at 2017-10-12 10:06:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 87.196 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 87.353 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

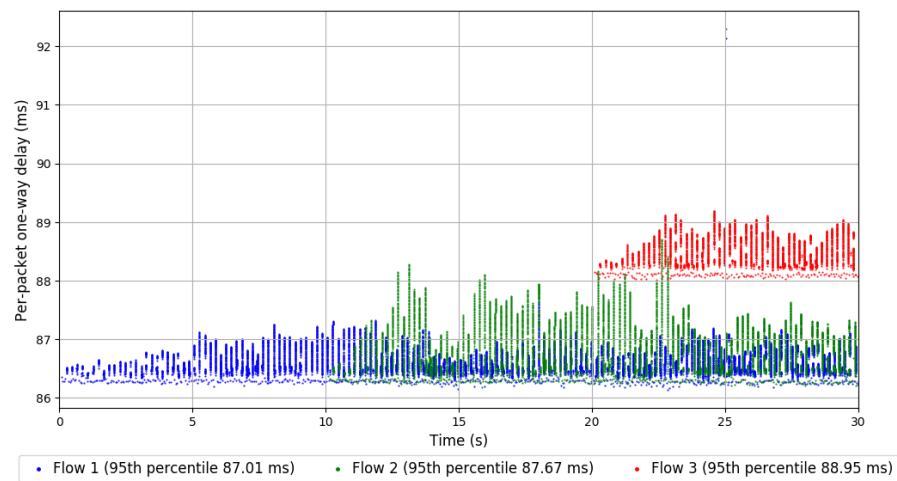
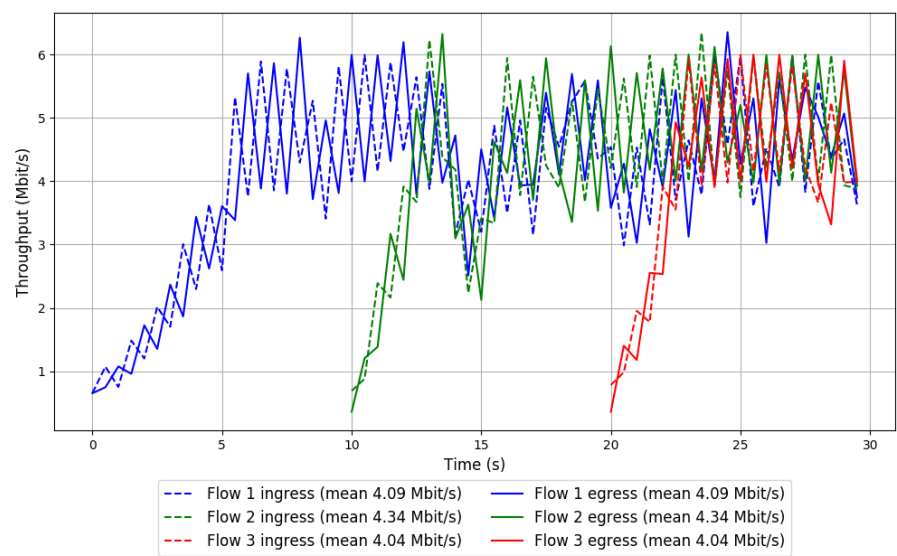


Run 7: Statistics of Sprout

Start at: 2017-10-12 08:52:17
End at: 2017-10-12 08:52:47
Local clock offset: 0.656 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2017-10-12 10:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 88.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 87.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 87.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 88.948 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

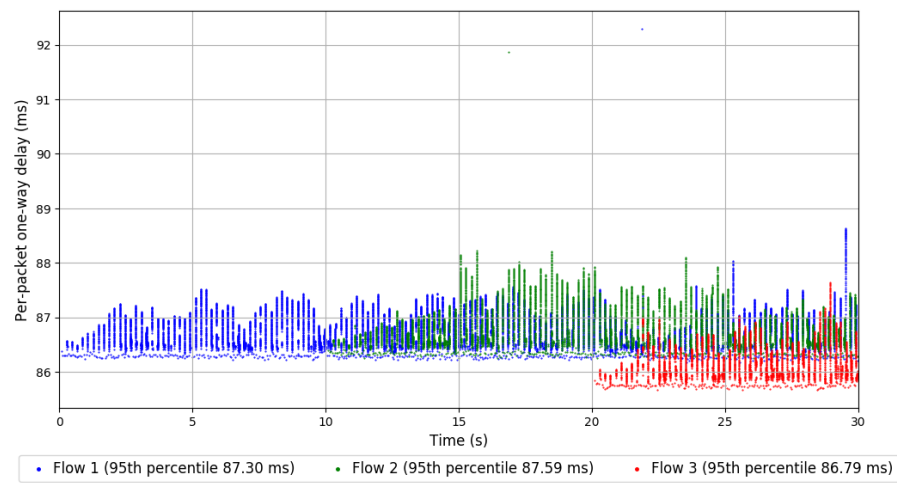
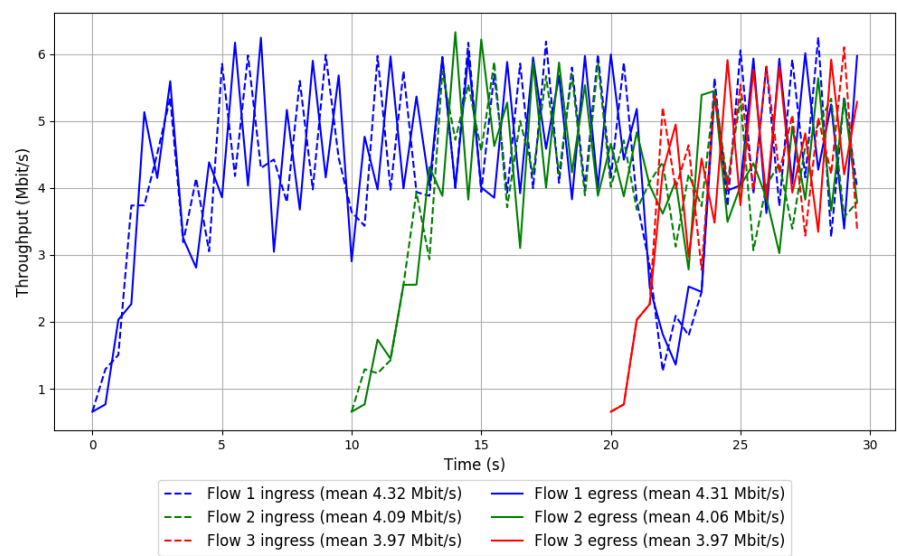


Run 8: Statistics of Sprout

Start at: 2017-10-12 09:10:35
End at: 2017-10-12 09:11:05
Local clock offset: 0.687 ms
Remote clock offset: -1.545 ms

```
# Below is generated by plot.py at 2017-10-12 10:06:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 87.385 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 87.593 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

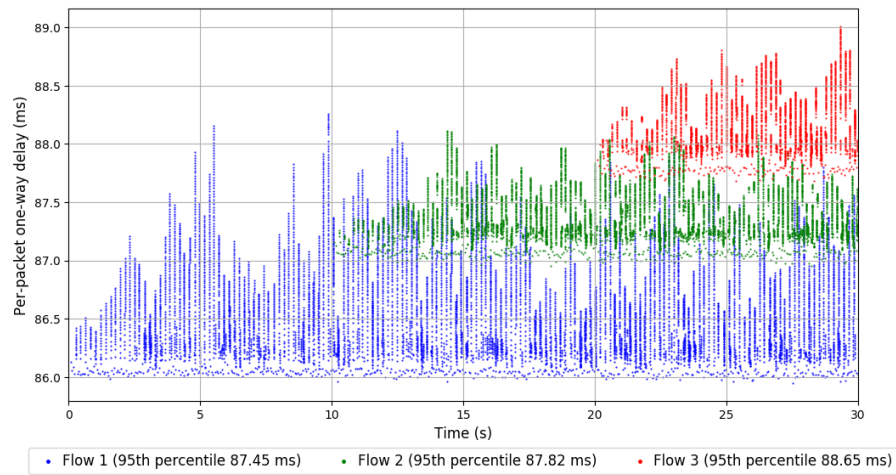
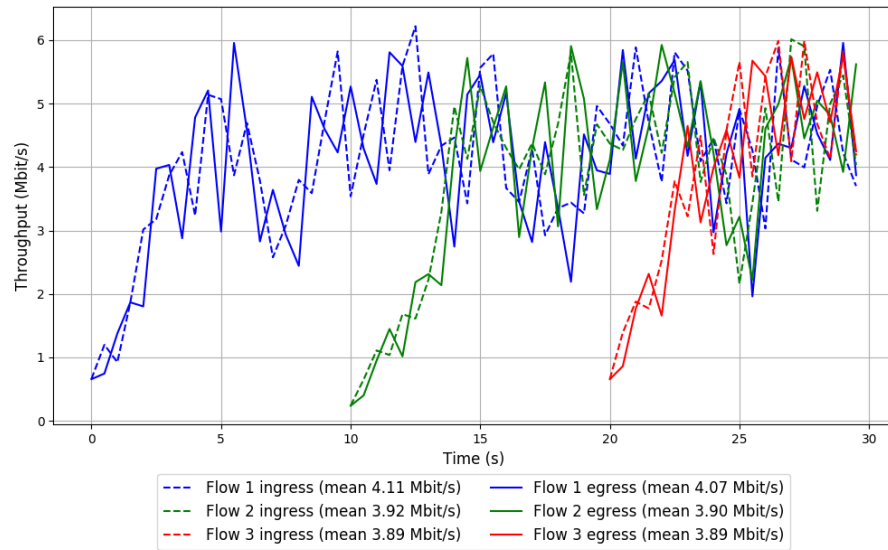


Run 9: Statistics of Sprout

Start at: 2017-10-12 09:28:47
End at: 2017-10-12 09:29:17
Local clock offset: 0.695 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2017-10-12 10:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 88.309 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 87.448 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 88.651 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

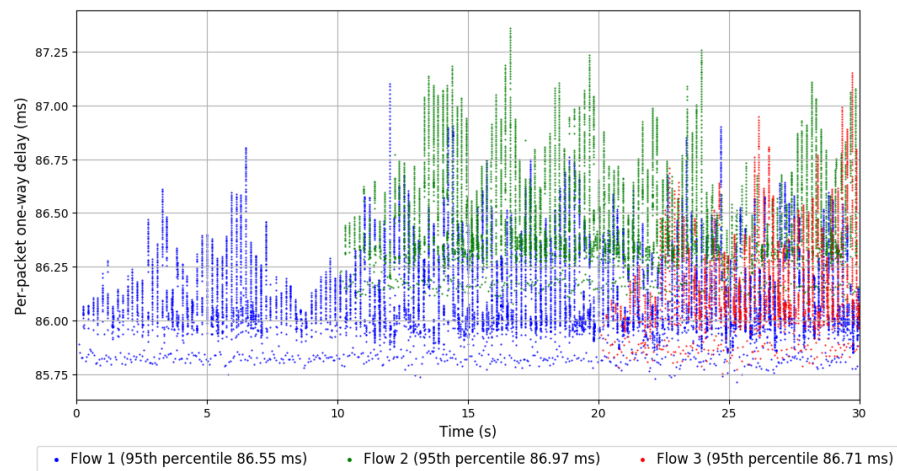
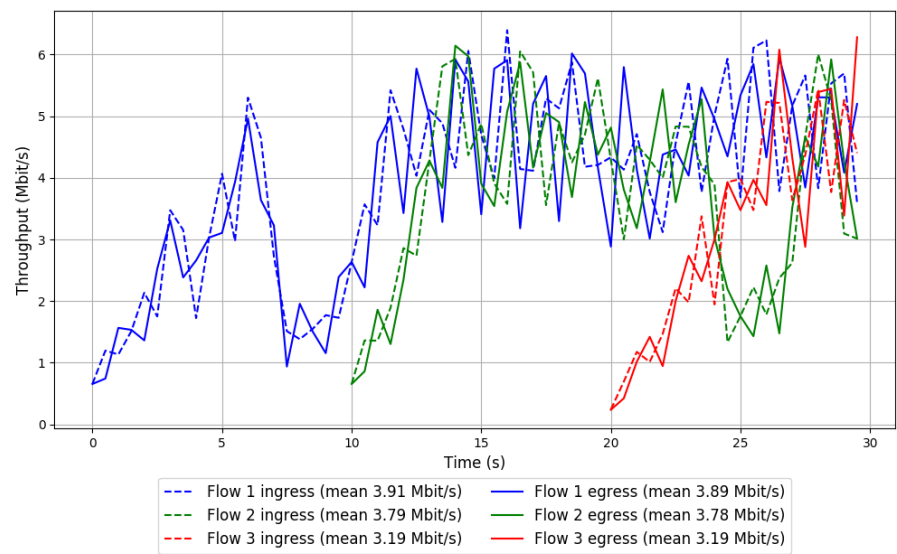


Run 10: Statistics of Sprout

Start at: 2017-10-12 09:47:01
End at: 2017-10-12 09:47:31
Local clock offset: 0.575 ms
Remote clock offset: -1.006 ms

Below is generated by plot.py at 2017-10-12 10:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 86.826 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 86.546 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 86.970 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

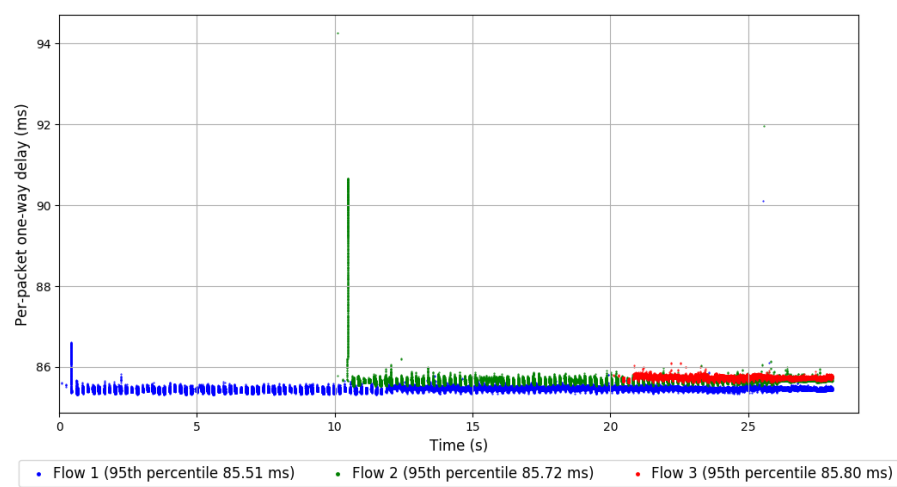
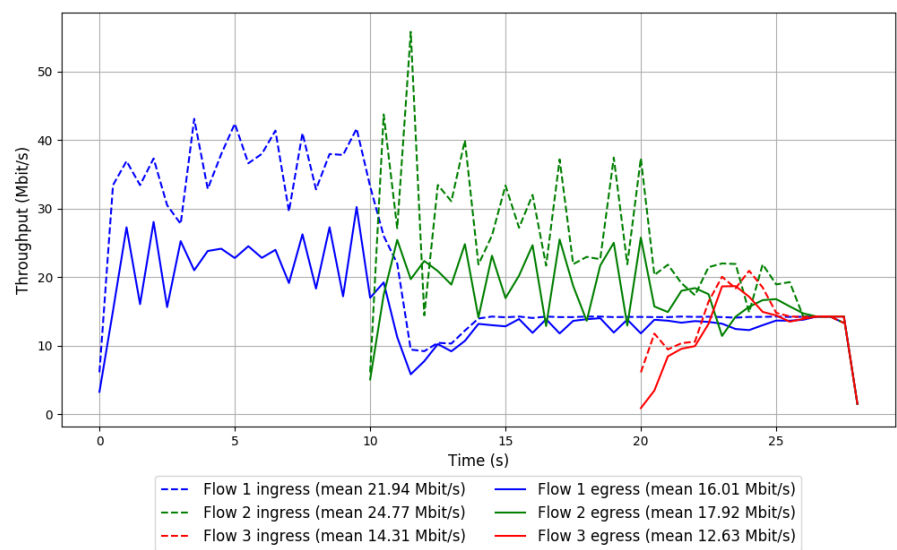


Run 1: Statistics of TaoVA-100x

Start at: 2017-10-12 06:58:24
End at: 2017-10-12 06:58:54
Local clock offset: 0.696 ms
Remote clock offset: -4.015 ms

Below is generated by plot.py at 2017-10-12 10:07:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 85.743 ms
Loss rate: 25.78%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 85.512 ms
Loss rate: 26.99%
-- Flow 2:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 85.716 ms
Loss rate: 27.70%
-- Flow 3:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 85.796 ms
Loss rate: 11.73%

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

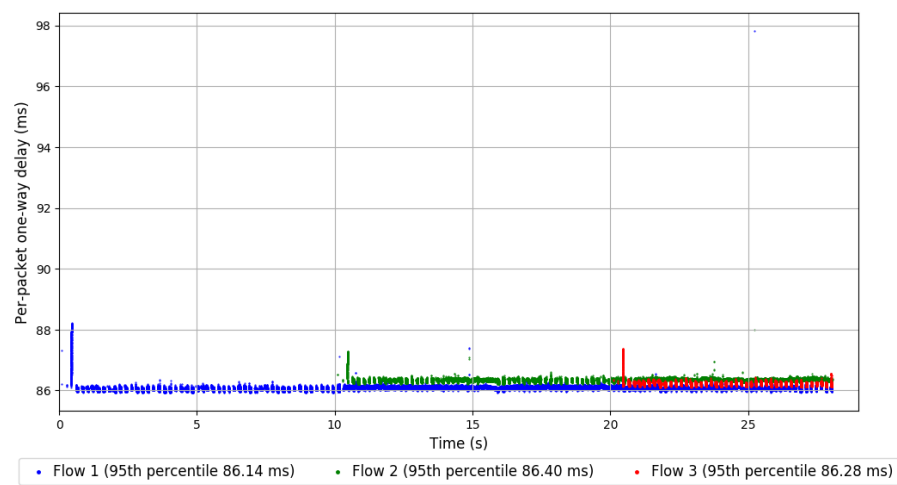
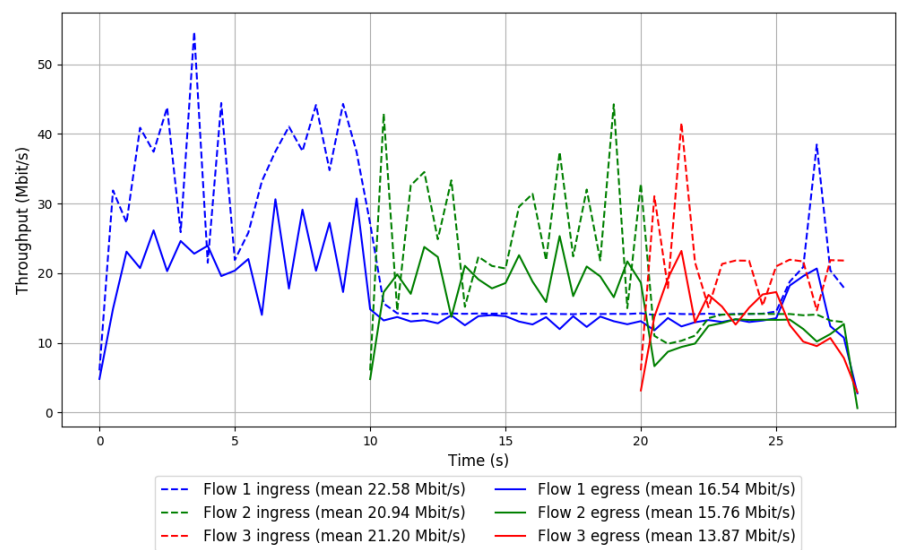


Run 2: Statistics of TaoVA-100x

Start at: 2017-10-12 07:16:41
End at: 2017-10-12 07:17:11
Local clock offset: 0.679 ms
Remote clock offset: -3.995 ms

Below is generated by plot.py at 2017-10-12 10:07:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 86.370 ms
Loss rate: 27.22%
-- Flow 1:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 26.74%
-- Flow 2:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 86.398 ms
Loss rate: 24.73%
-- Flow 3:
Average throughput: 13.87 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 34.57%

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

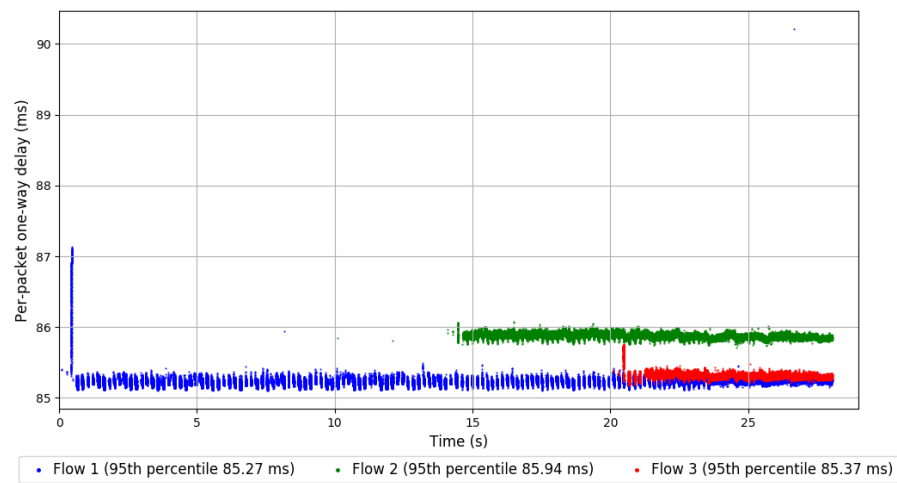
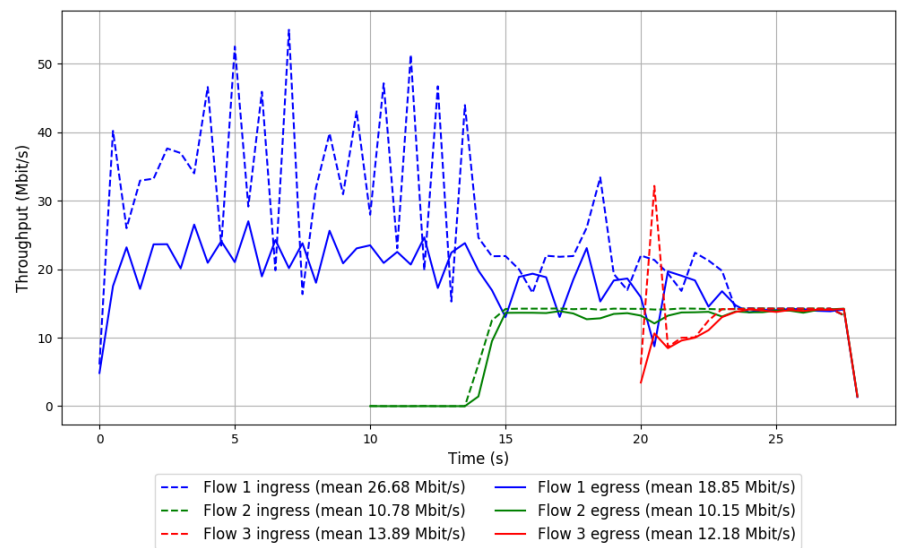


Run 3: Statistics of TaoVA-100x

Start at: 2017-10-12 07:35:00
End at: 2017-10-12 07:35:30
Local clock offset: 0.671 ms
Remote clock offset: -4.607 ms

Below is generated by plot.py at 2017-10-12 10:07:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 85.902 ms
Loss rate: 23.23%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 85.274 ms
Loss rate: 29.37%
-- Flow 2:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 85.940 ms
Loss rate: 5.80%
-- Flow 3:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 85.369 ms
Loss rate: 12.33%

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

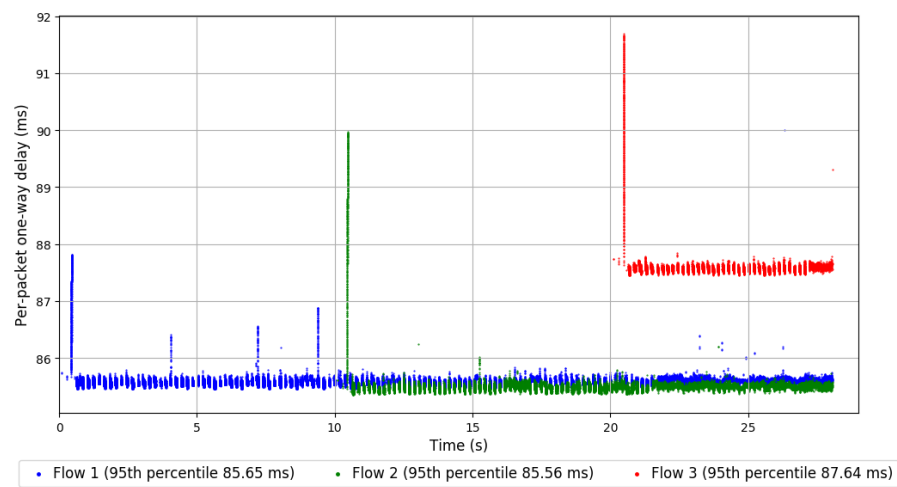
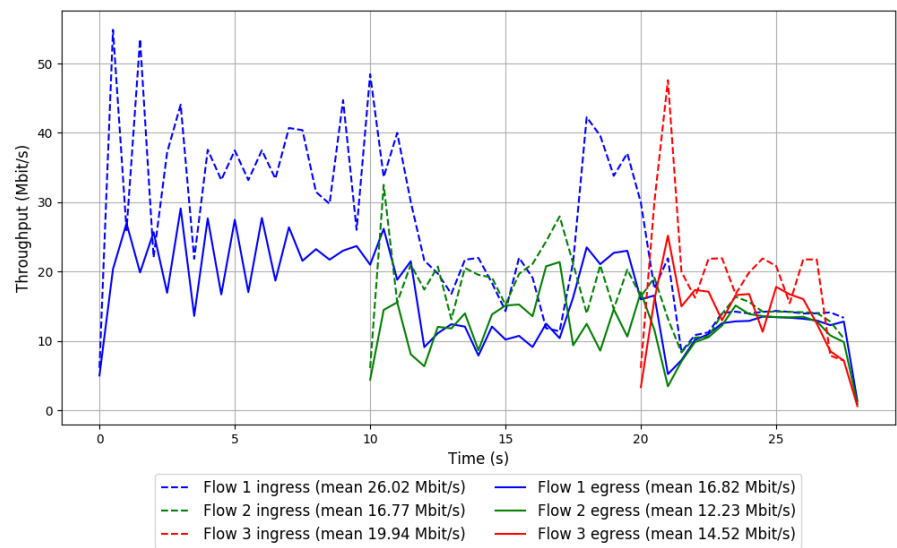


Run 4: Statistics of TaoVA-100x

Start at: 2017-10-12 07:53:16
End at: 2017-10-12 07:53:46
Local clock offset: 0.667 ms
Remote clock offset: -4.626 ms

Below is generated by plot.py at 2017-10-12 10:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 87.583 ms
Loss rate: 32.18%
-- Flow 1:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 85.647 ms
Loss rate: 35.38%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 85.563 ms
Loss rate: 27.06%
-- Flow 3:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 87.638 ms
Loss rate: 27.18%

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

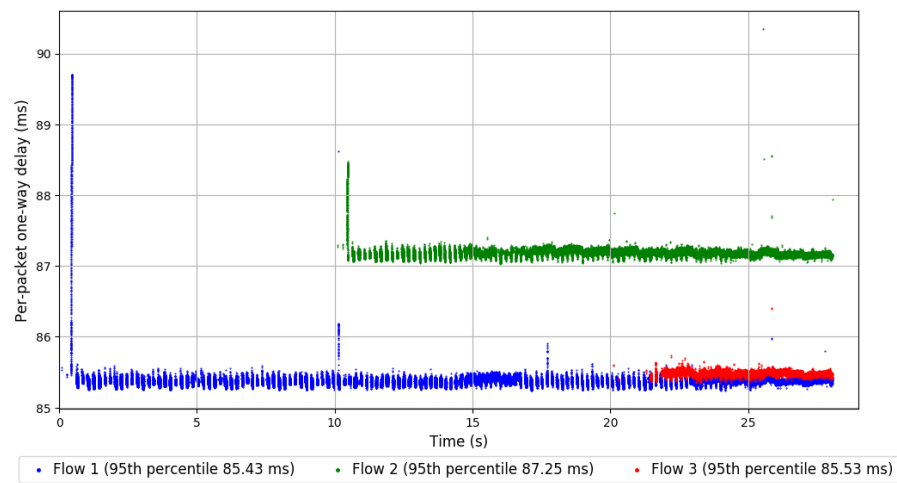
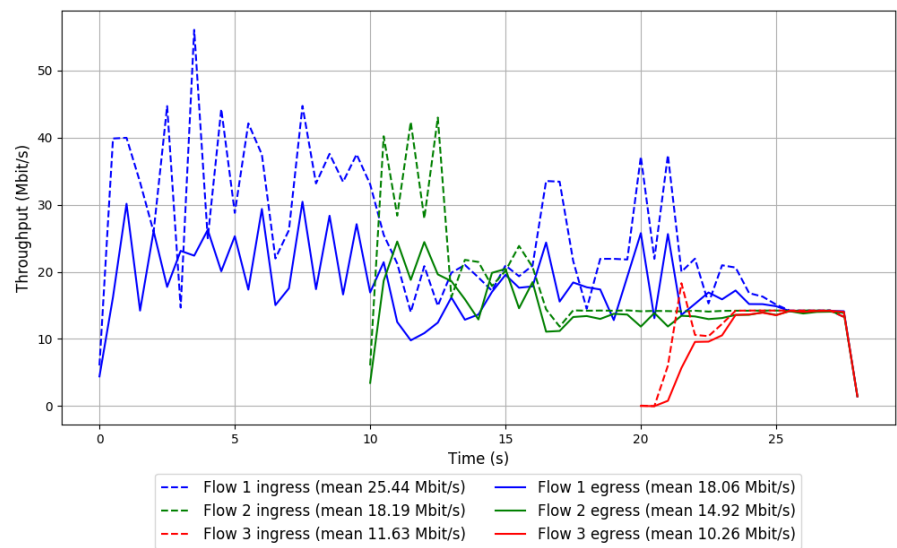


Run 5: Statistics of TaoVA-100x

Start at: 2017-10-12 08:11:43
End at: 2017-10-12 08:12:13
Local clock offset: 0.691 ms
Remote clock offset: -4.284 ms

Below is generated by plot.py at 2017-10-12 10:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 87.214 ms
Loss rate: 24.42%
-- Flow 1:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 85.430 ms
Loss rate: 29.02%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 87.247 ms
Loss rate: 17.95%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 85.534 ms
Loss rate: 11.81%

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

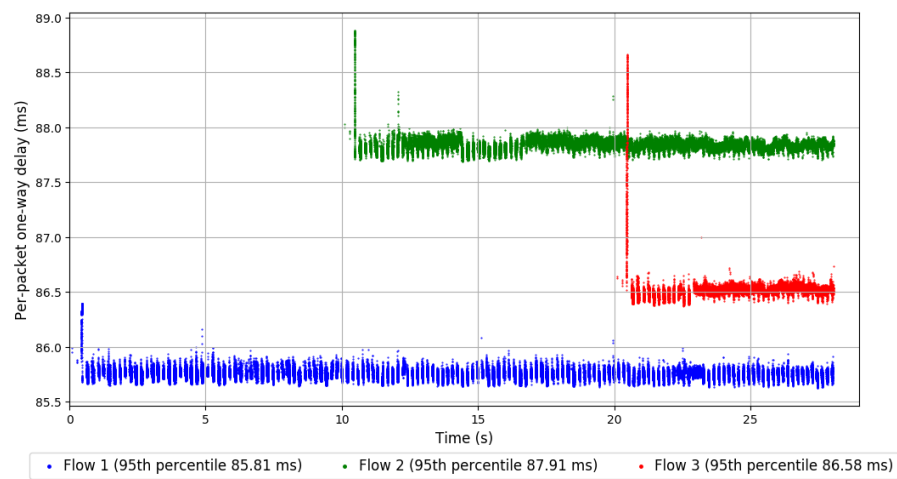
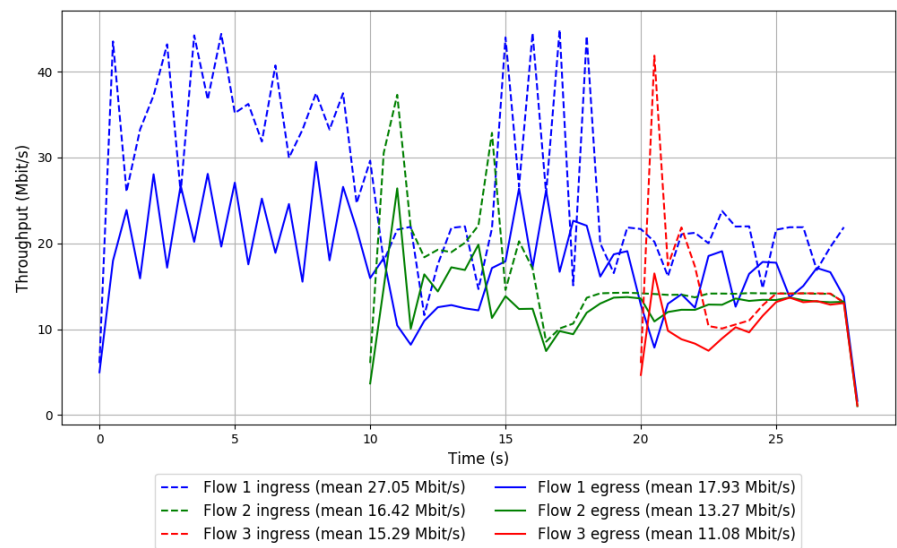


Run 6: Statistics of TaoVA-100x

Start at: 2017-10-12 08:30:00
End at: 2017-10-12 08:30:30
Local clock offset: 0.684 ms
Remote clock offset: -3.576 ms

Below is generated by plot.py at 2017-10-12 10:07:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 87.876 ms
Loss rate: 29.41%
-- Flow 1:
Average throughput: 17.93 Mbit/s
95th percentile per-packet one-way delay: 85.810 ms
Loss rate: 33.71%
-- Flow 2:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 87.911 ms
Loss rate: 19.15%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 86.585 ms
Loss rate: 27.55%

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

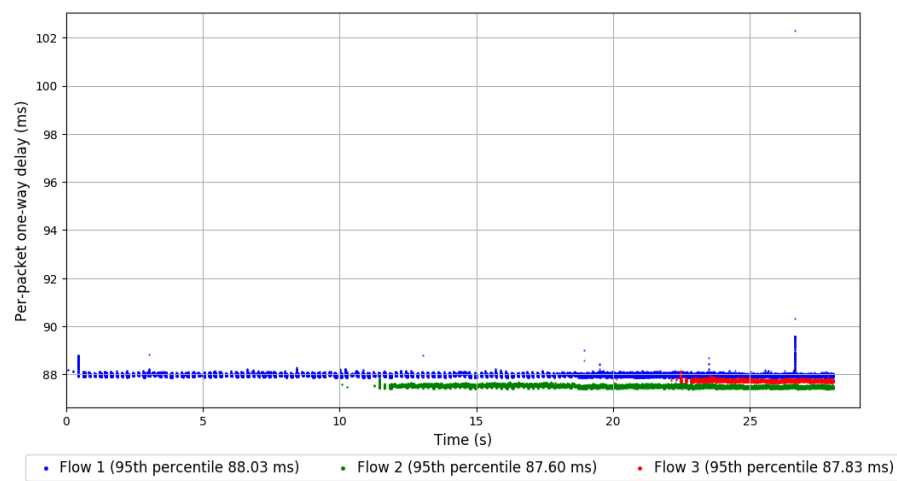
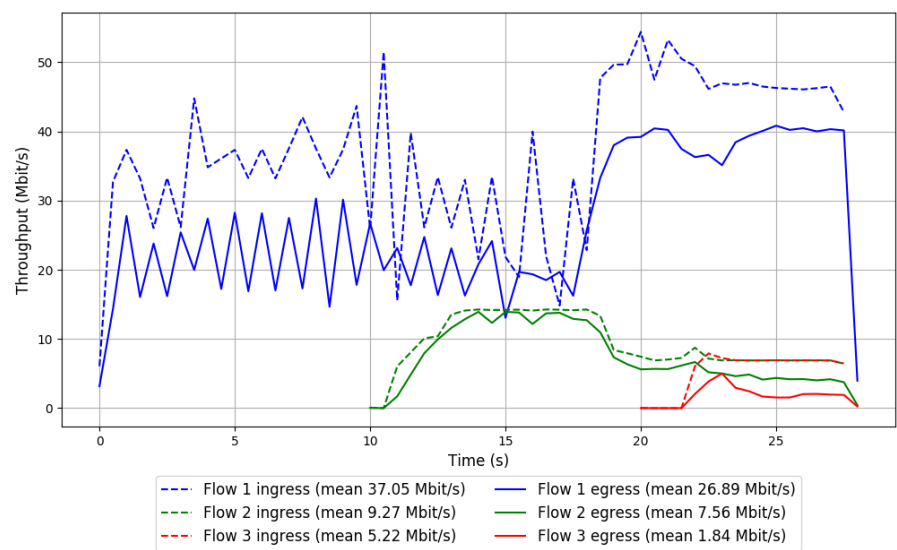


Run 7: Statistics of TaoVA-100x

Start at: 2017-10-12 08:48:18
End at: 2017-10-12 08:48:48
Local clock offset: 0.669 ms
Remote clock offset: -2.549 ms

Below is generated by plot.py at 2017-10-12 10:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 88.028 ms
Loss rate: 27.48%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 88.031 ms
Loss rate: 27.43%
-- Flow 2:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 87.599 ms
Loss rate: 18.46%
-- Flow 3:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 87.834 ms
Loss rate: 64.74%

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

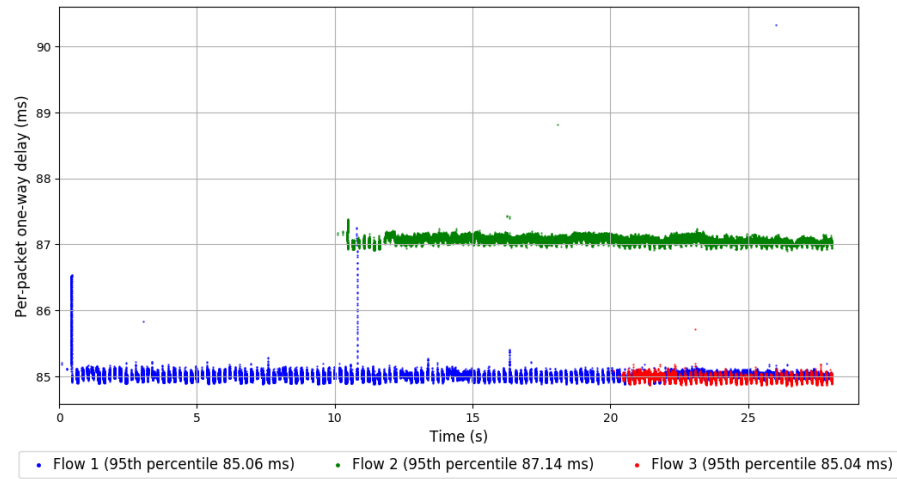
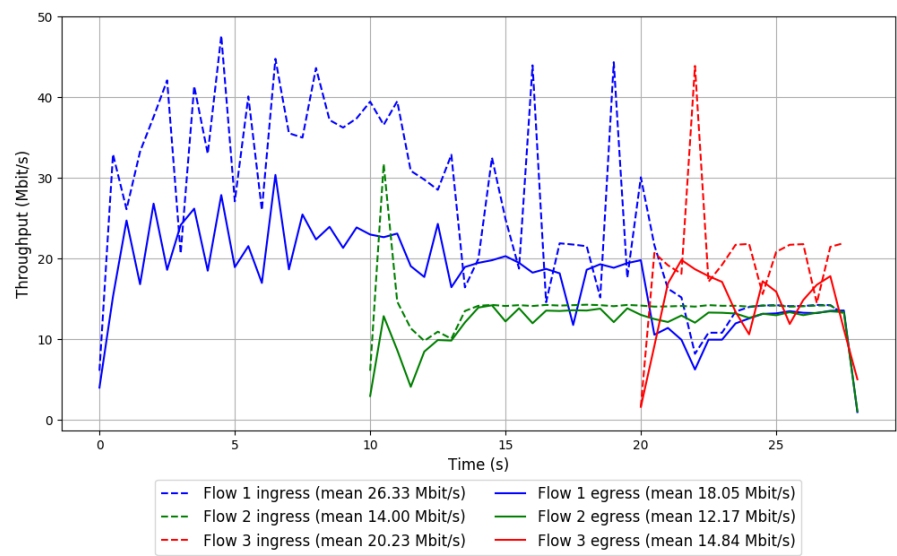


Run 8: Statistics of TaoVA-100x

Start at: 2017-10-12 09:06:39
End at: 2017-10-12 09:07:09
Local clock offset: 0.686 ms
Remote clock offset: -2.759 ms

Below is generated by plot.py at 2017-10-12 10:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 87.105 ms
Loss rate: 26.76%
-- Flow 1:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 85.062 ms
Loss rate: 31.45%
-- Flow 2:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 13.12%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 85.039 ms
Loss rate: 26.64%

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

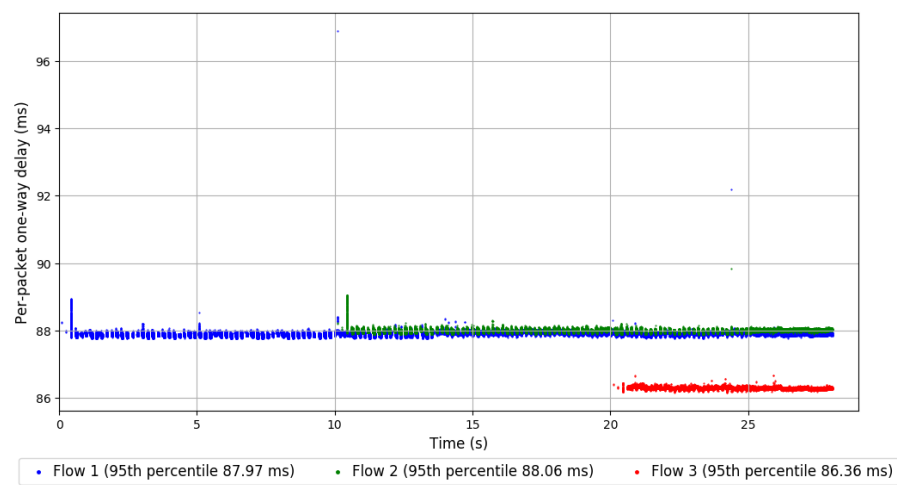
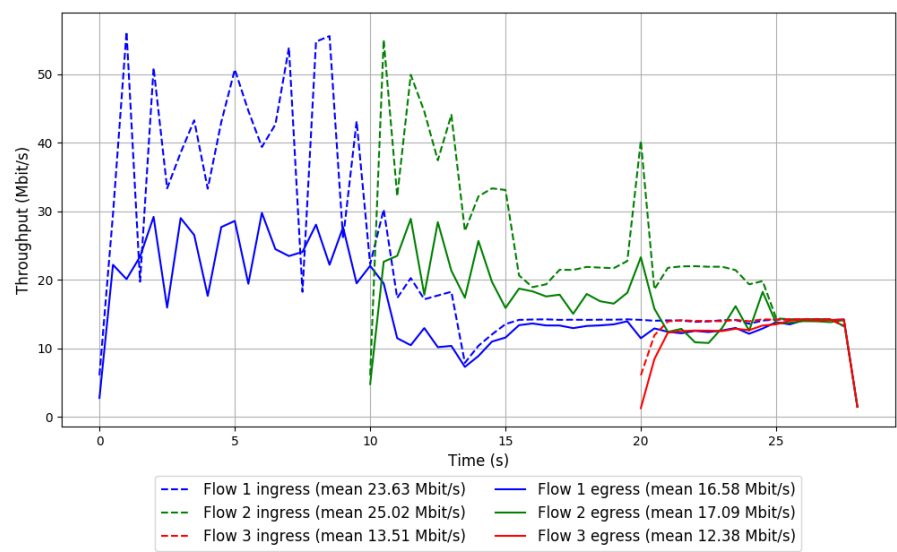


Run 9: Statistics of TaoVA-100x

Start at: 2017-10-12 09:24:57
End at: 2017-10-12 09:25:27
Local clock offset: 0.603 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2017-10-12 10:07:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 88.037 ms
Loss rate: 28.63%
-- Flow 1:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 87.975 ms
Loss rate: 29.83%
-- Flow 2:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 88.056 ms
Loss rate: 31.71%
-- Flow 3:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 8.39%

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

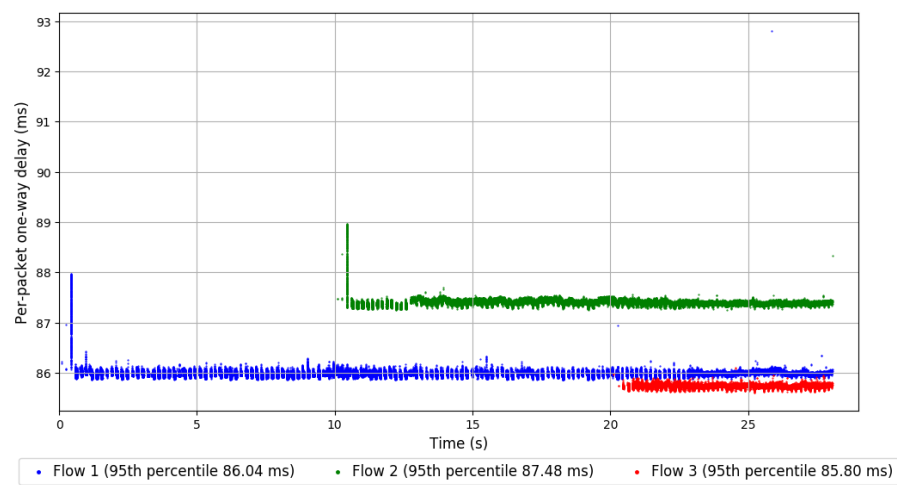
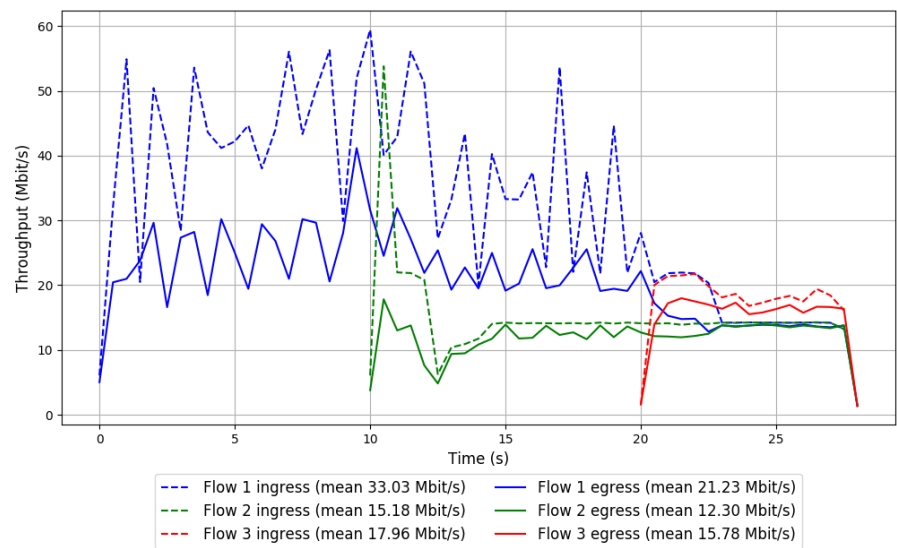


Run 10: Statistics of TaoVA-100x

Start at: 2017-10-12 09:43:06
End at: 2017-10-12 09:43:36
Local clock offset: 0.685 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 87.433 ms
Loss rate: 29.79%
-- Flow 1:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 86.043 ms
Loss rate: 35.71%
-- Flow 2:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 87.481 ms
Loss rate: 18.95%
-- Flow 3:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 85.801 ms
Loss rate: 12.13%

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

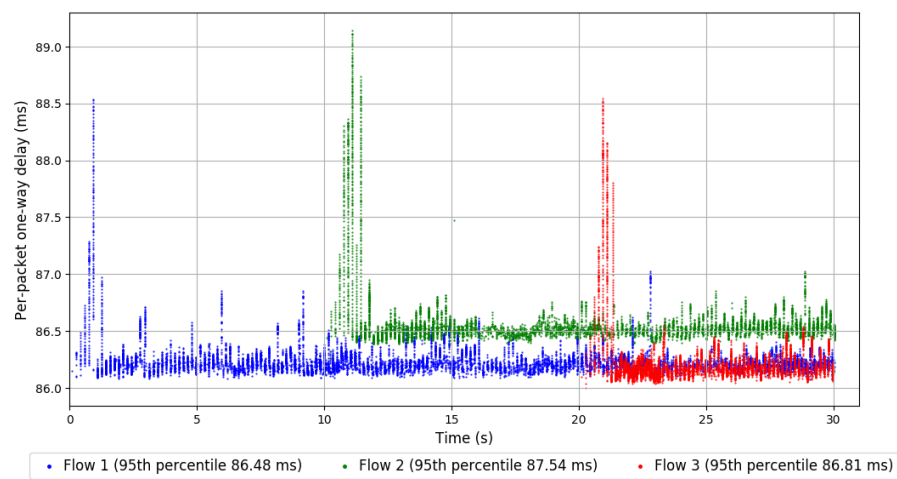
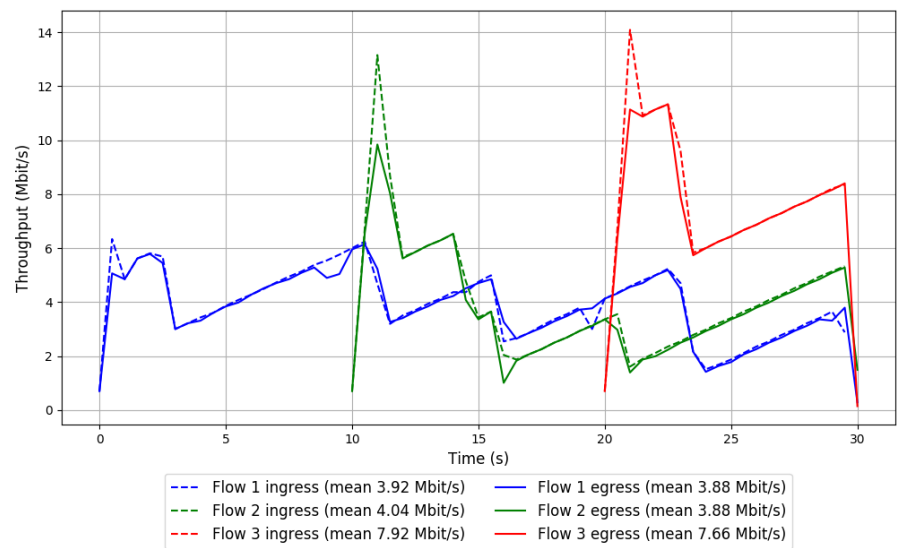


Run 1: Statistics of TCP Vegas

Start at: 2017-10-12 06:49:04
End at: 2017-10-12 06:49:34
Local clock offset: 0.718 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 86.769 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 86.481 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.539 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 86.809 ms
Loss rate: 3.20%

Run 1: Report of TCP Vegas — Data Link

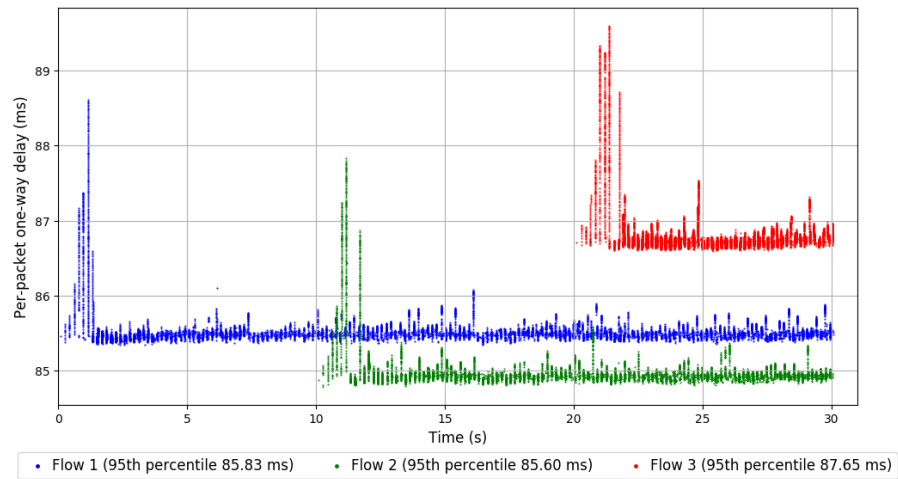
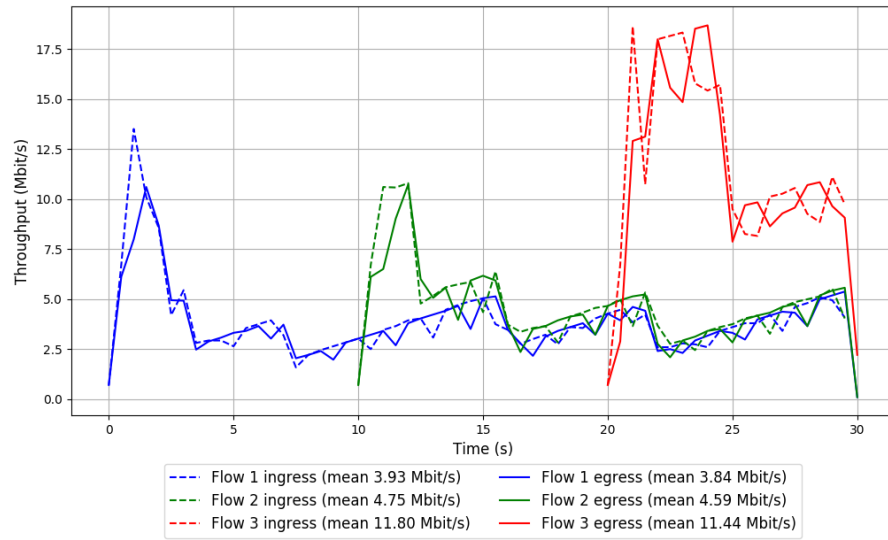


Run 2: Statistics of TCP Vegas

Start at: 2017-10-12 07:07:22
End at: 2017-10-12 07:07:52
Local clock offset: 0.697 ms
Remote clock offset: -4.574 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 85.832 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 85.599 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 3.10%

Run 2: Report of TCP Vegas — Data Link

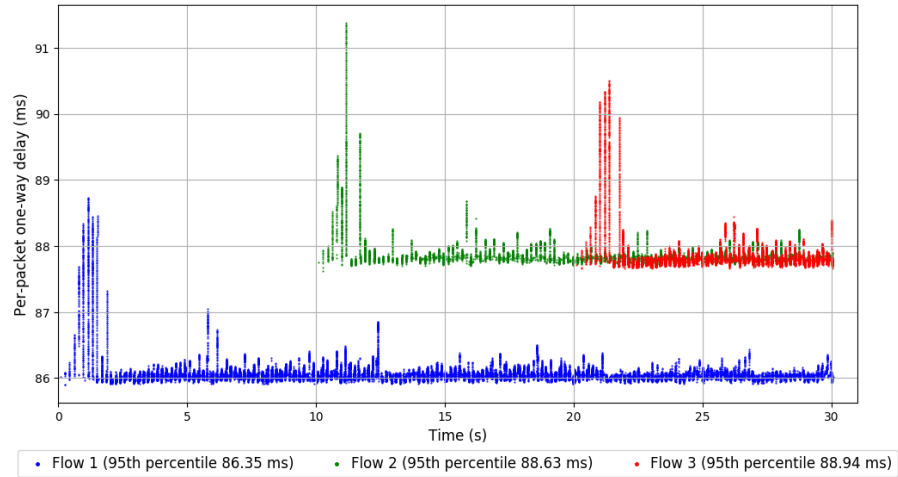
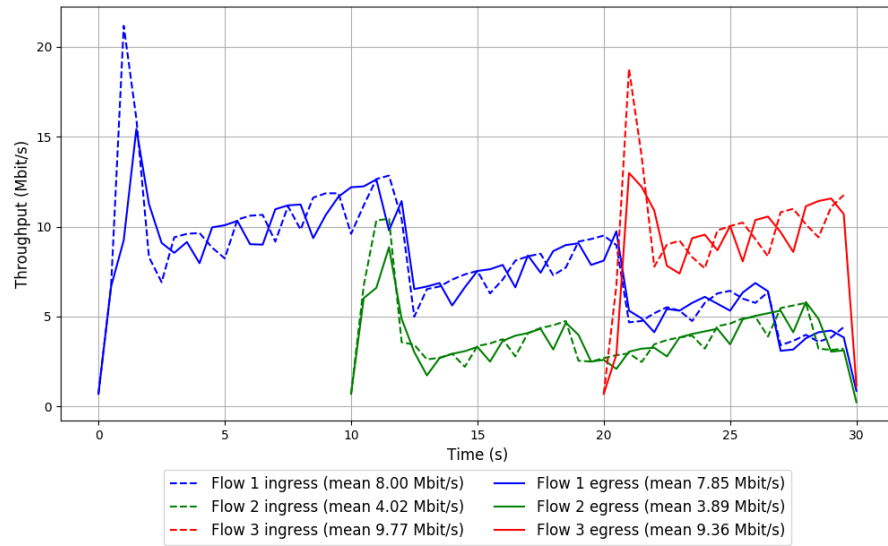


Run 3: Statistics of TCP Vegas

Start at: 2017-10-12 07:25:38
End at: 2017-10-12 07:26:09
Local clock offset: 0.634 ms
Remote clock offset: -4.299 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 88.131 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 86.353 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 88.628 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 88.945 ms
Loss rate: 4.22%

Run 3: Report of TCP Vegas — Data Link

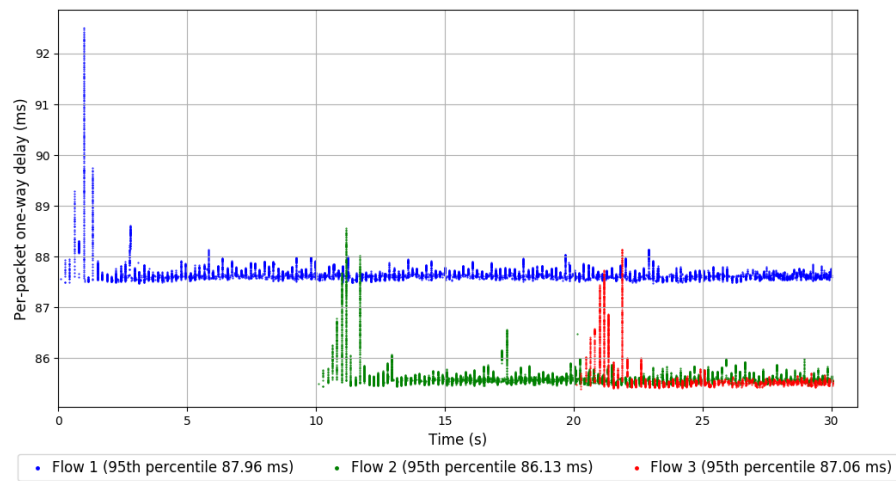
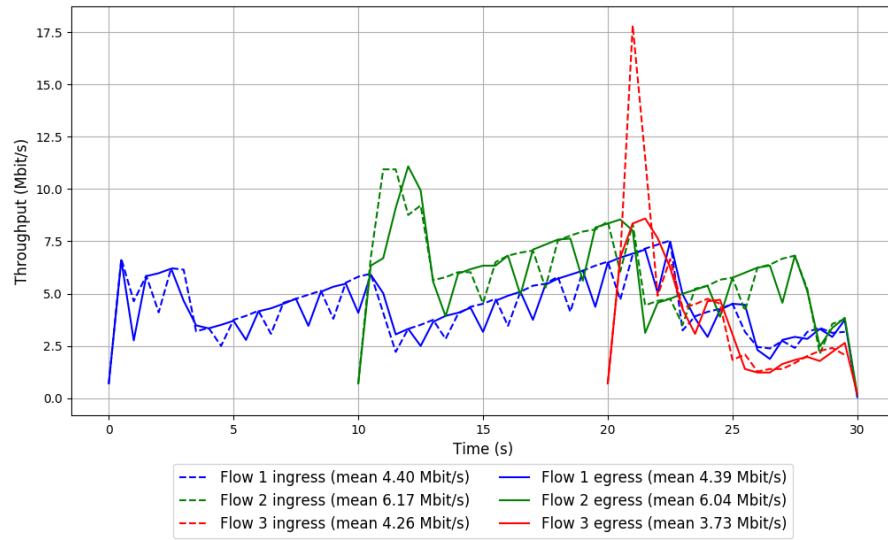


Run 4: Statistics of TCP Vegas

Start at: 2017-10-12 07:43:57
End at: 2017-10-12 07:44:27
Local clock offset: 0.65 ms
Remote clock offset: -4.664 ms

```
# Below is generated by plot.py at 2017-10-12 10:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 87.841 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 87.957 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 86.133 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 87.056 ms
Loss rate: 12.63%
```

Run 4: Report of TCP Vegas — Data Link

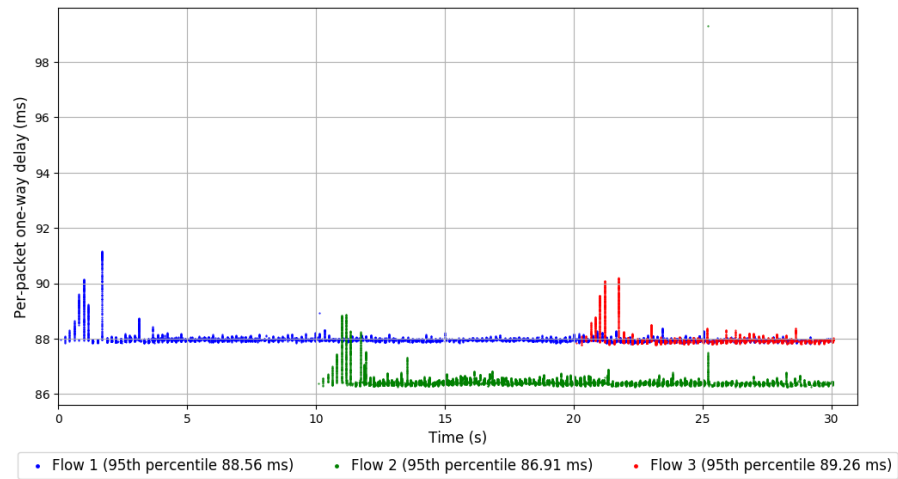
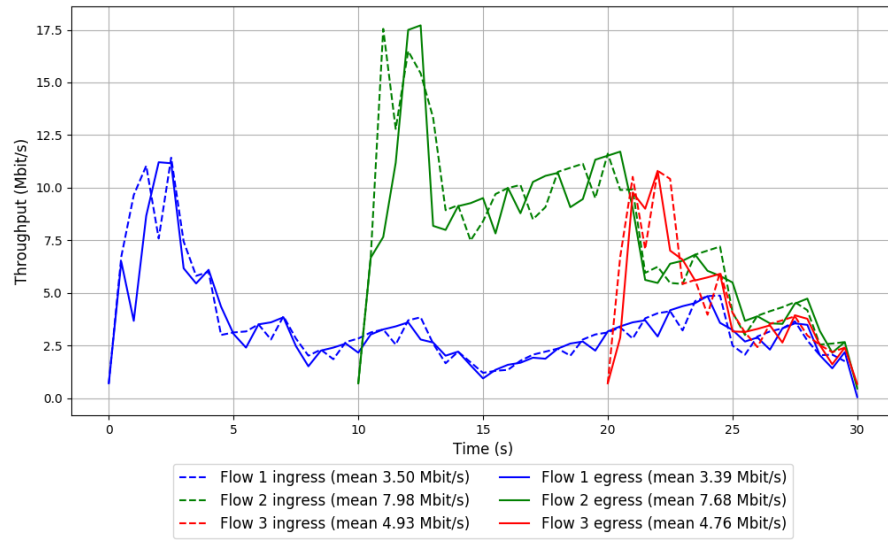


Run 5: Statistics of TCP Vegas

Start at: 2017-10-12 08:02:16
End at: 2017-10-12 08:02:46
Local clock offset: 0.623 ms
Remote clock offset: -3.934 ms

```
# Below is generated by plot.py at 2017-10-12 10:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 88.275 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 88.562 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 86.912 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 89.258 ms
Loss rate: 3.50%
```

Run 5: Report of TCP Vegas — Data Link

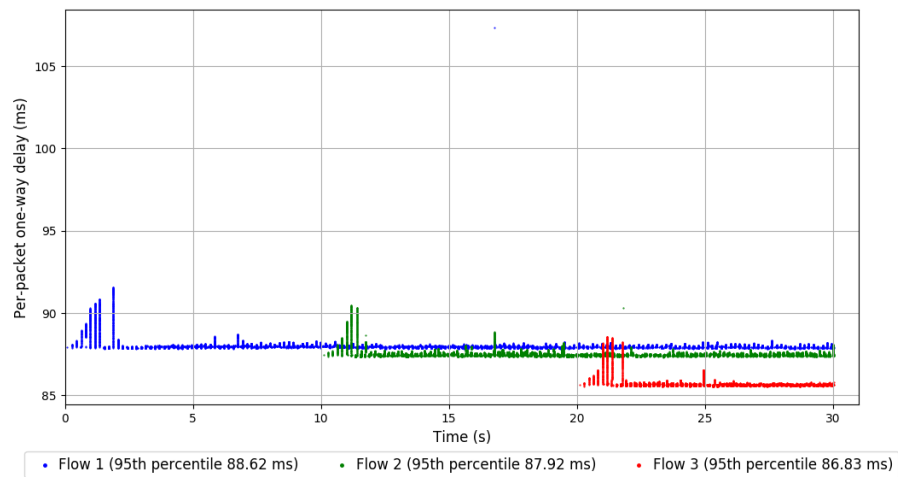
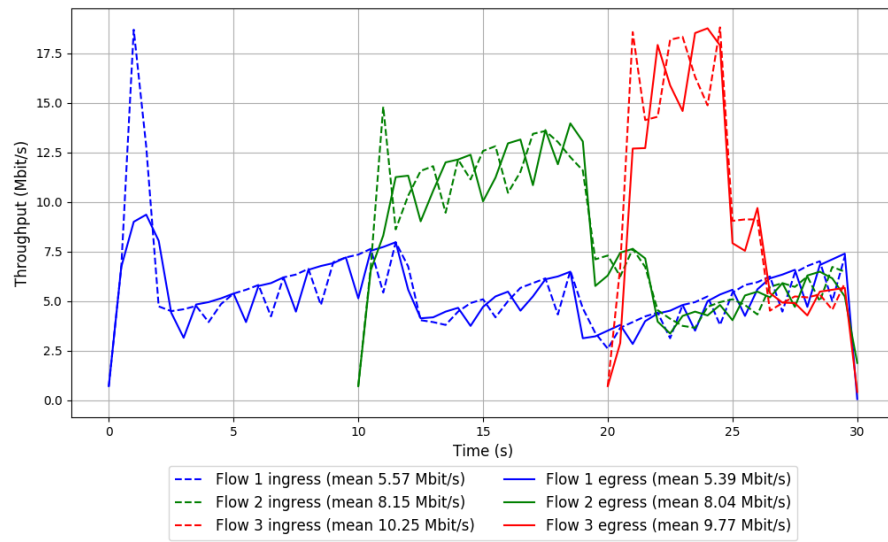


Run 6: Statistics of TCP Vegas

Start at: 2017-10-12 08:20:40
End at: 2017-10-12 08:21:10
Local clock offset: 0.658 ms
Remote clock offset: -4.148 ms

```
# Below is generated by plot.py at 2017-10-12 10:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 88.173 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 88.618 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 87.918 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 4.67%
```

Run 6: Report of TCP Vegas — Data Link

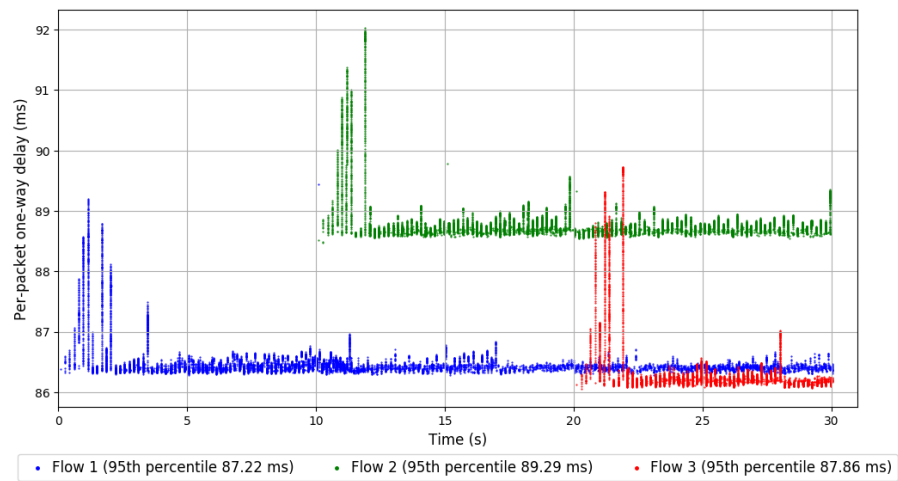
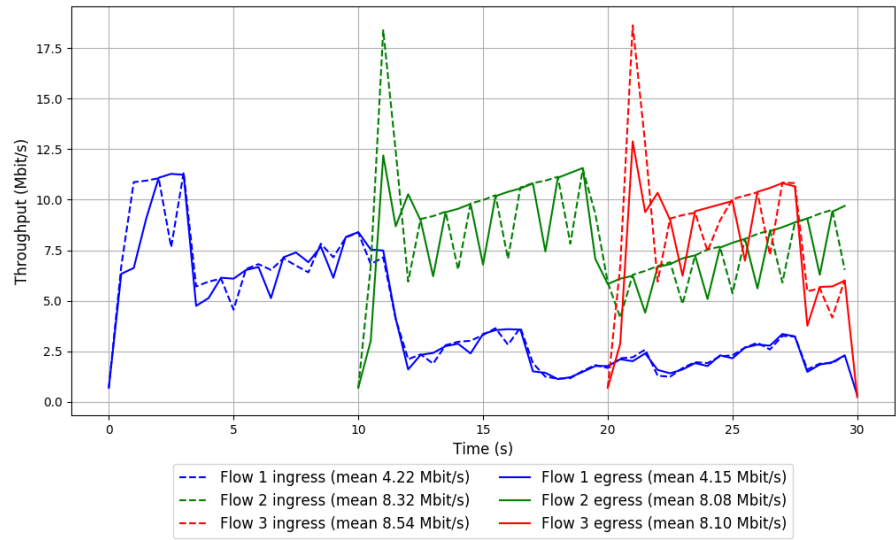


Run 7: Statistics of TCP Vegas

Start at: 2017-10-12 08:38:59
End at: 2017-10-12 08:39:29
Local clock offset: 0.602 ms
Remote clock offset: -2.907 ms

```
# Below is generated by plot.py at 2017-10-12 10:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 88.965 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 87.219 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 89.286 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 87.863 ms
Loss rate: 5.13%
```


Run 7: Report of TCP Vegas — Data Link

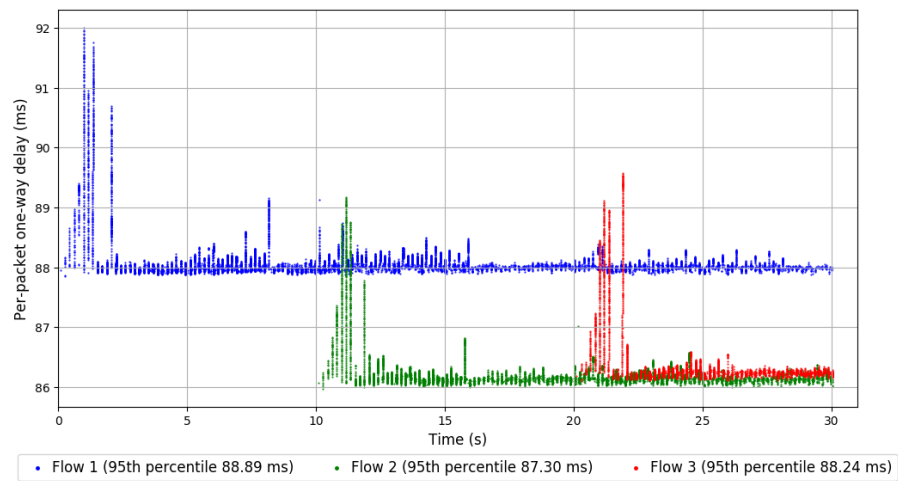
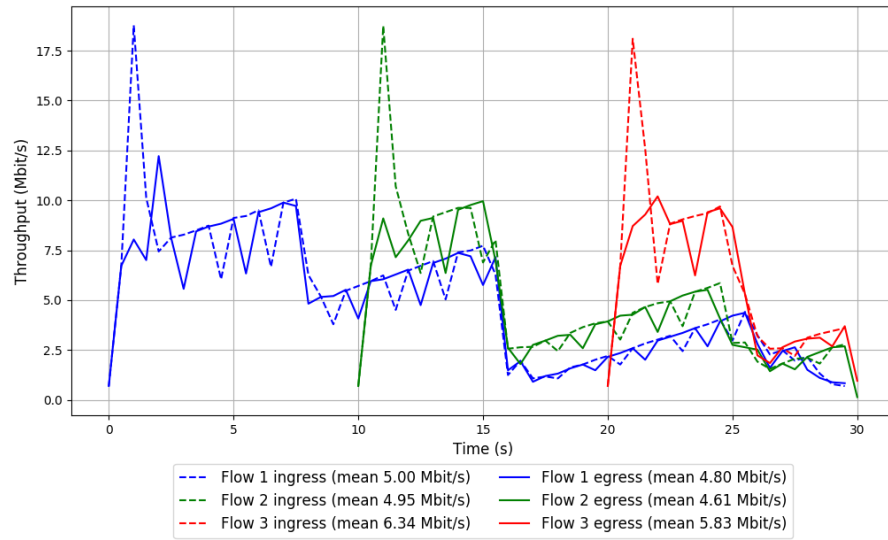


Run 8: Statistics of TCP Vegas

Start at: 2017-10-12 08:57:19
End at: 2017-10-12 08:57:49
Local clock offset: 0.667 ms
Remote clock offset: -2.071 ms

```
# Below is generated by plot.py at 2017-10-12 10:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 88.405 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 88.887 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 6.82%
-- Flow 3:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 88.244 ms
Loss rate: 8.18%
```

Run 8: Report of TCP Vegas — Data Link

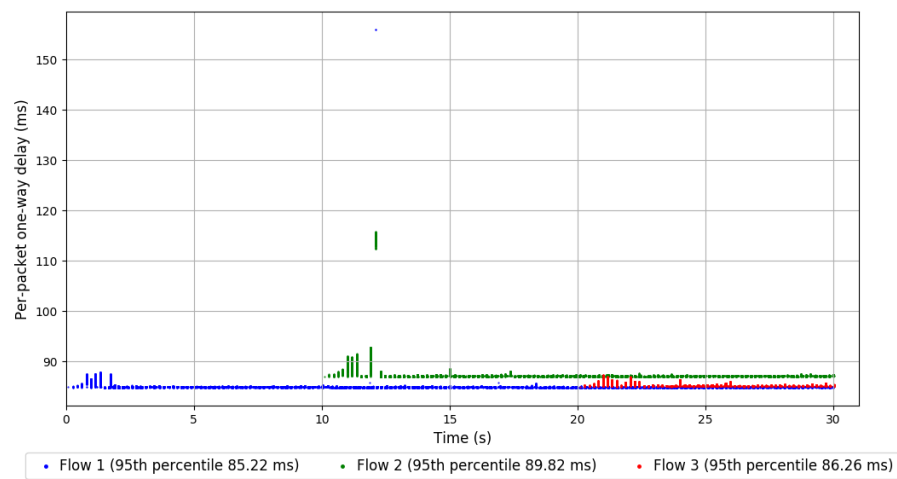
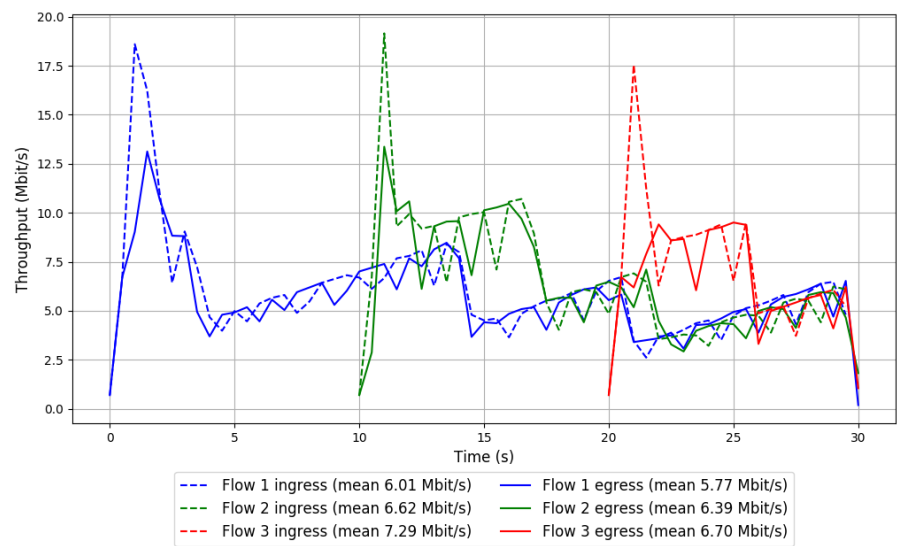


Run 9: Statistics of TCP Vegas

Start at: 2017-10-12 09:15:37
End at: 2017-10-12 09:16:07
Local clock offset: 0.658 ms
Remote clock offset: -2.312 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 87.351 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 85.221 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 89.824 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 8.11%

Run 9: Report of TCP Vegas — Data Link

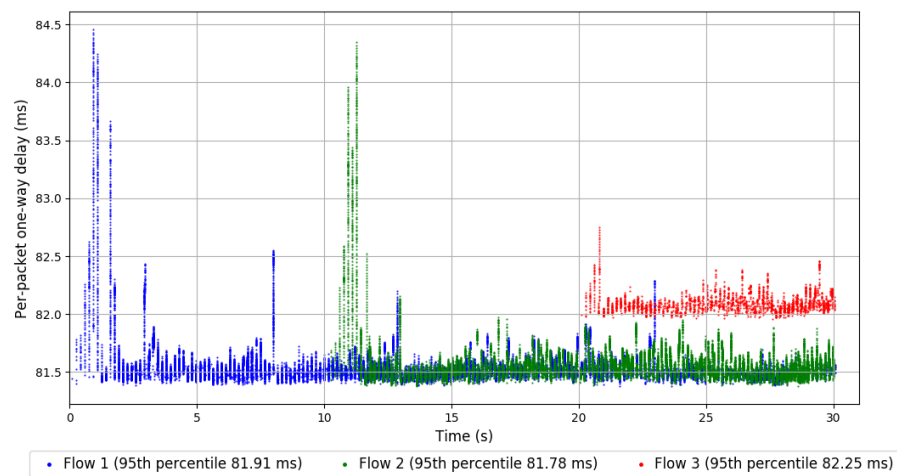
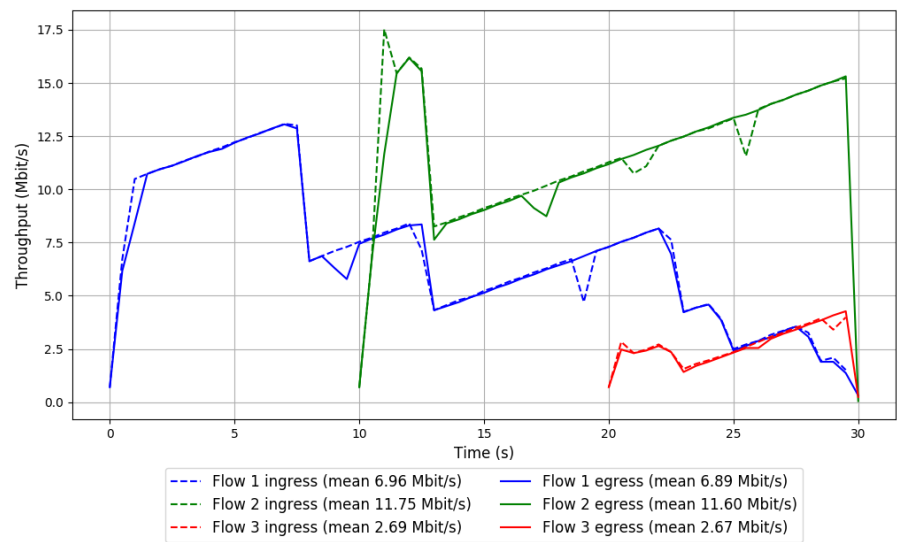


Run 10: Statistics of TCP Vegas

Start at: 2017-10-12 09:33:46
End at: 2017-10-12 09:34:16
Local clock offset: 0.651 ms
Remote clock offset: -5.785 ms

Below is generated by plot.py at 2017-10-12 10:08:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 82.098 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 81.911 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 81.785 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 82.248 ms
Loss rate: 0.72%

Run 10: Report of TCP Vegas — Data Link

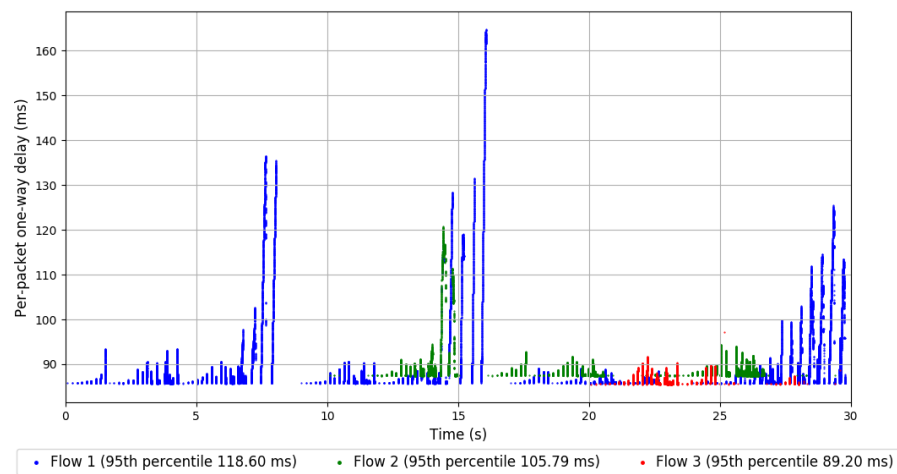
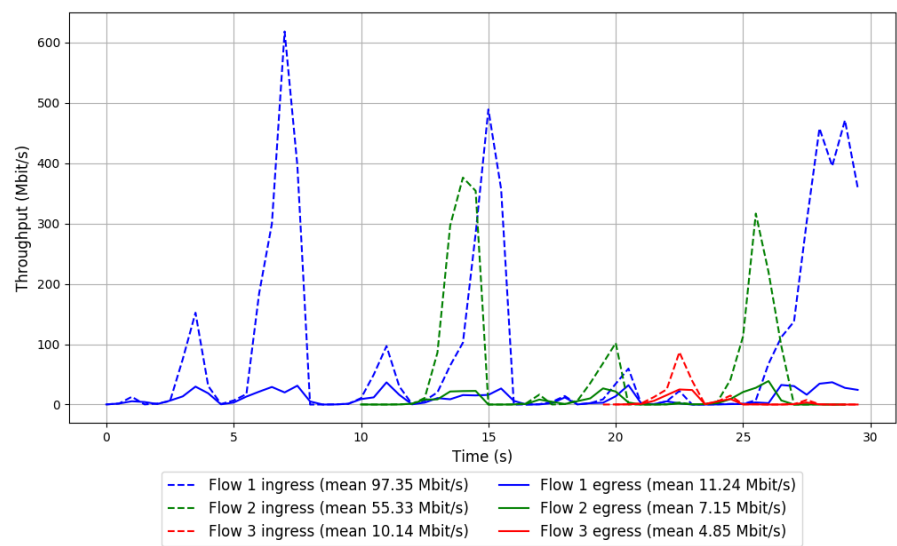


Run 1: Statistics of Verus

Start at: 2017-10-12 06:59:48
End at: 2017-10-12 07:00:18
Local clock offset: 0.707 ms
Remote clock offset: -4.089 ms

Below is generated by plot.py at 2017-10-12 10:08:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 114.789 ms
Loss rate: 87.26%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 118.604 ms
Loss rate: 88.45%
-- Flow 2:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 105.788 ms
Loss rate: 87.19%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 89.203 ms
Loss rate: 53.05%

Run 1: Report of Verus — Data Link

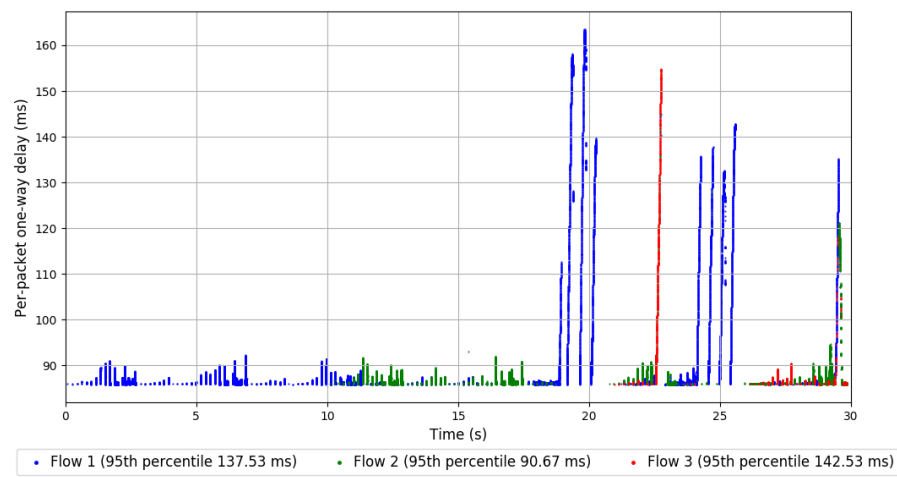
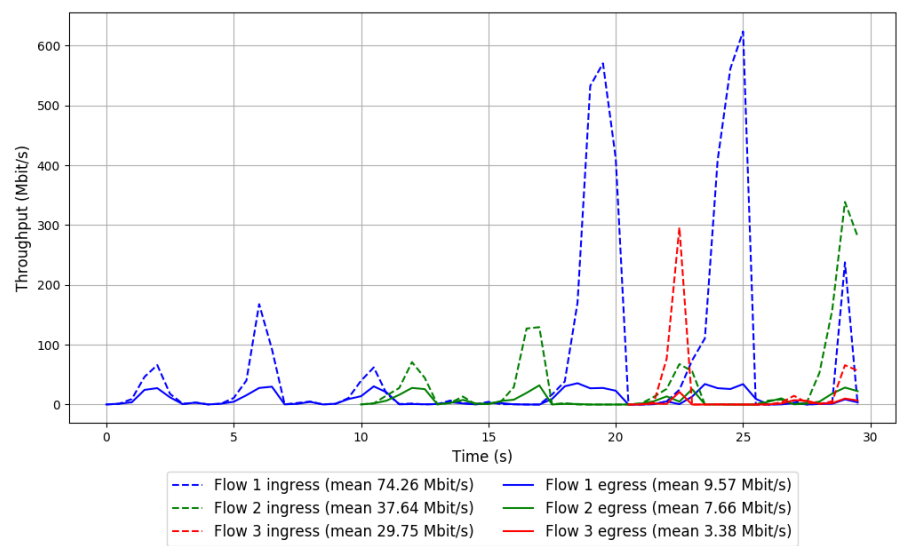


Run 2: Statistics of Verus

Start at: 2017-10-12 07:18:02
End at: 2017-10-12 07:18:32
Local clock offset: 0.64 ms
Remote clock offset: -4.389 ms

Below is generated by plot.py at 2017-10-12 10:08:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 132.254 ms
Loss rate: 85.51%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 137.527 ms
Loss rate: 87.11%
-- Flow 2:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 90.673 ms
Loss rate: 79.65%
-- Flow 3:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 142.535 ms
Loss rate: 88.64%

Run 2: Report of Verus — Data Link

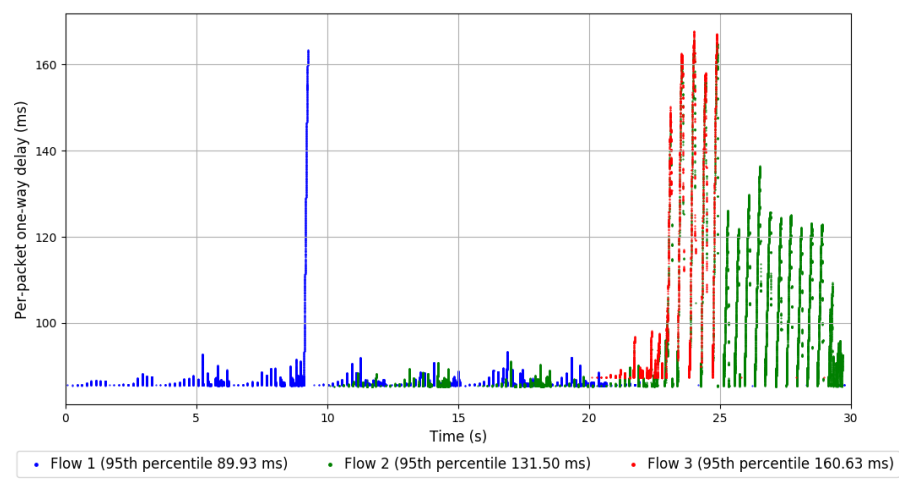
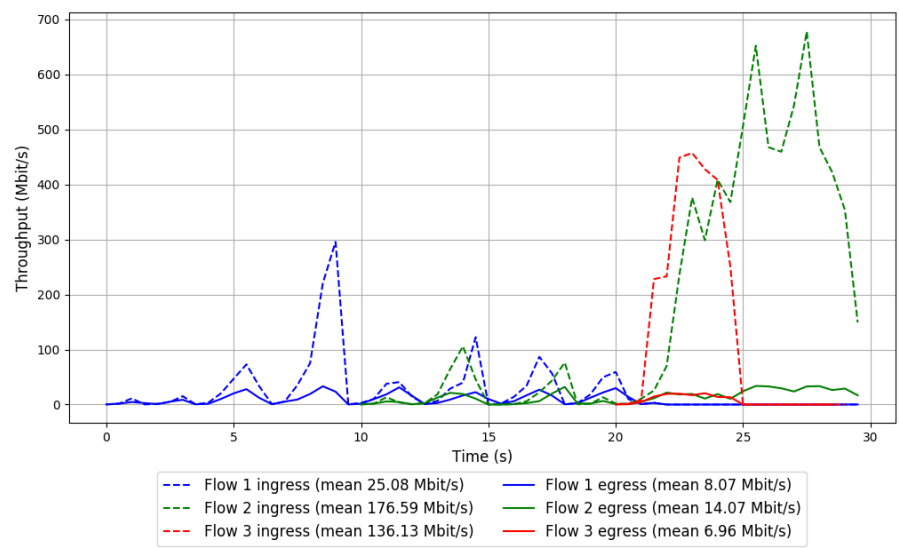


Run 3: Statistics of Verus

Start at: 2017-10-12 07:36:21
End at: 2017-10-12 07:36:51
Local clock offset: 0.684 ms
Remote clock offset: -4.903 ms

Below is generated by plot.py at 2017-10-12 10:08:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 135.312 ms
Loss rate: 89.39%
-- Flow 1:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 89.928 ms
Loss rate: 67.84%
-- Flow 2:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 131.501 ms
Loss rate: 92.03%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 160.635 ms
Loss rate: 94.99%

Run 3: Report of Verus — Data Link

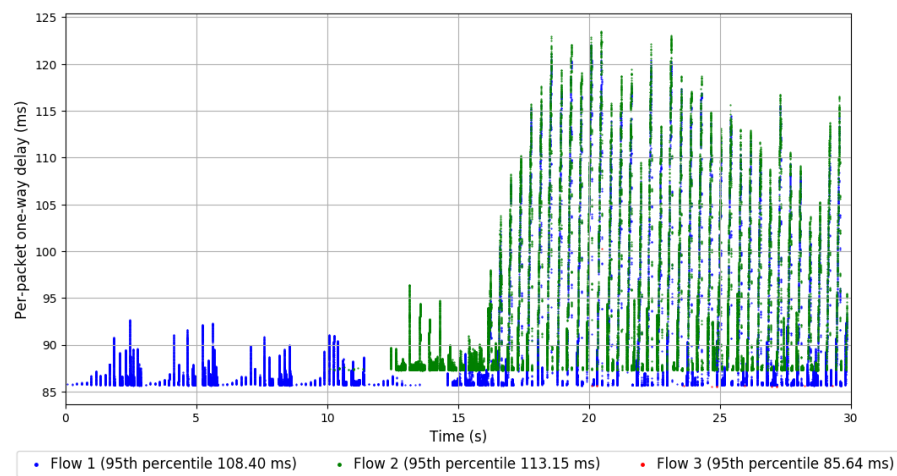
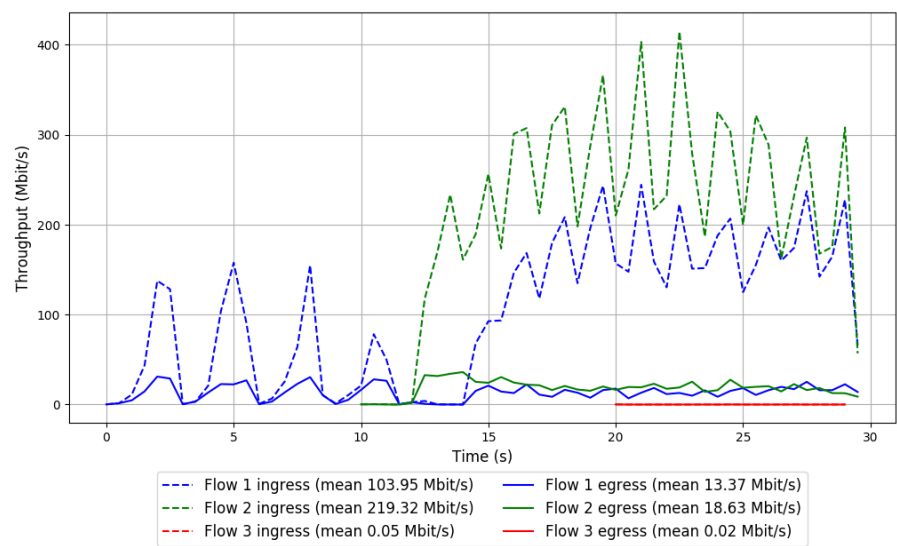


Run 4: Statistics of Verus

Start at: 2017-10-12 07:54:37
End at: 2017-10-12 07:55:07
Local clock offset: 0.667 ms
Remote clock offset: -4.698 ms

Below is generated by plot.py at 2017-10-12 10:08:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 111.528 ms
Loss rate: 89.68%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 108.400 ms
Loss rate: 87.14%
-- Flow 2:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 113.146 ms
Loss rate: 91.50%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 85.645 ms
Loss rate: 62.16%

Run 4: Report of Verus — Data Link

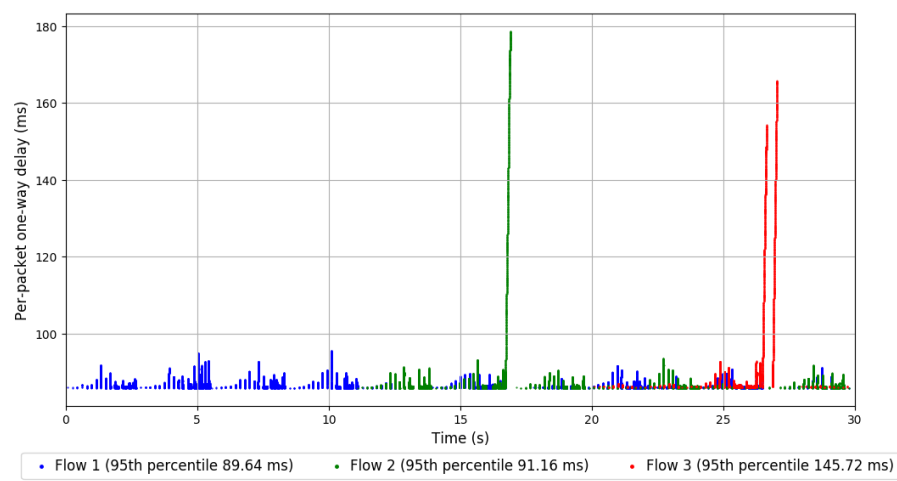
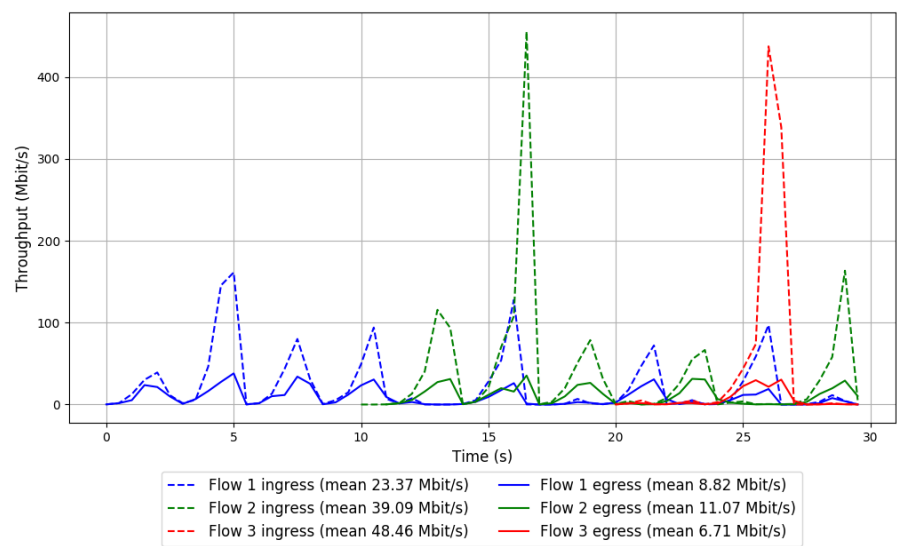


Run 5: Statistics of Verus

Start at: 2017-10-12 08:13:05
End at: 2017-10-12 08:13:35
Local clock offset: 0.639 ms
Remote clock offset: -3.887 ms

Below is generated by plot.py at 2017-10-12 10:08:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 92.199 ms
Loss rate: 72.37%
-- Flow 1:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 89.641 ms
Loss rate: 62.27%
-- Flow 2:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 91.158 ms
Loss rate: 73.12%
-- Flow 3:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 145.722 ms
Loss rate: 86.16%

Run 5: Report of Verus — Data Link

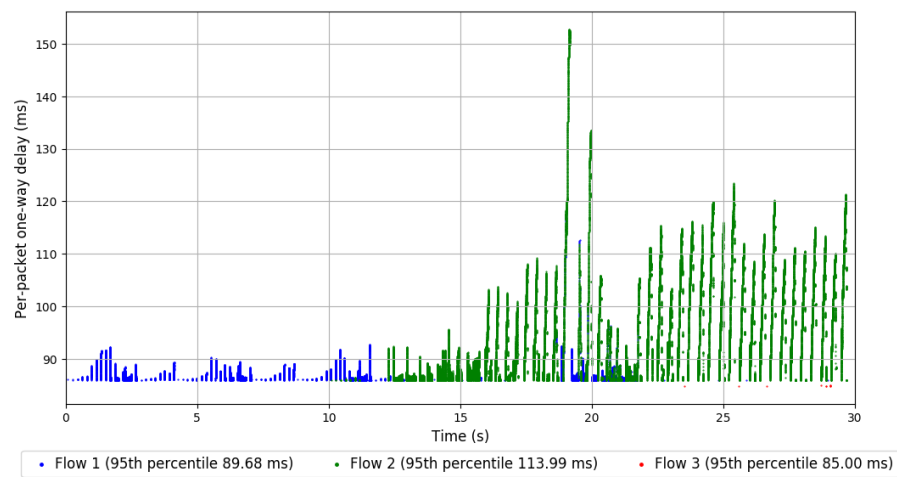
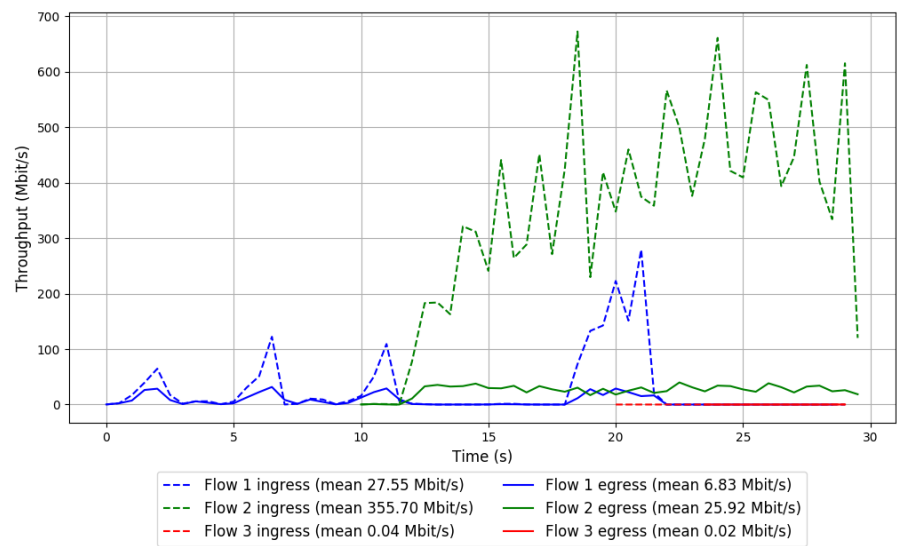


Run 6: Statistics of Verus

Start at: 2017-10-12 08:31:21
End at: 2017-10-12 08:31:51
Local clock offset: 0.653 ms
Remote clock offset: -4.116 ms

Below is generated by plot.py at 2017-10-12 10:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 111.648 ms
Loss rate: 90.92%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 89.684 ms
Loss rate: 75.37%
-- Flow 2:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 113.989 ms
Loss rate: 92.71%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 84.998 ms
Loss rate: 65.52%

Run 6: Report of Verus — Data Link

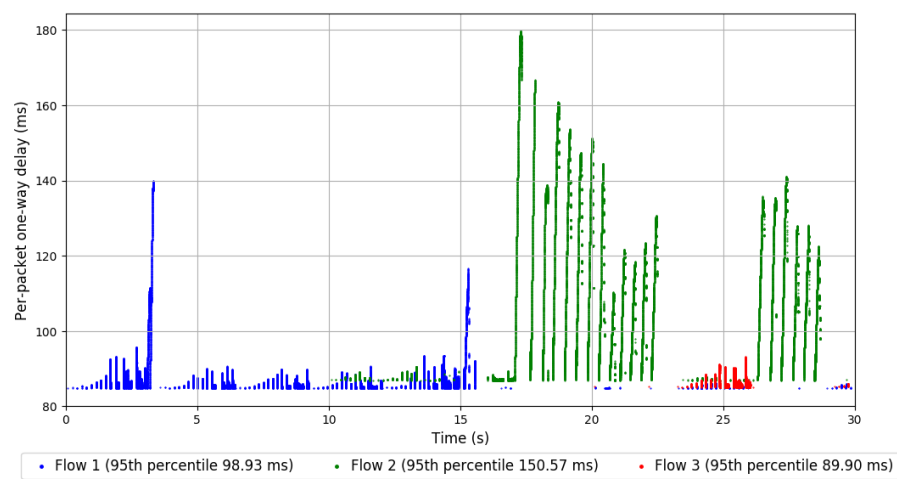
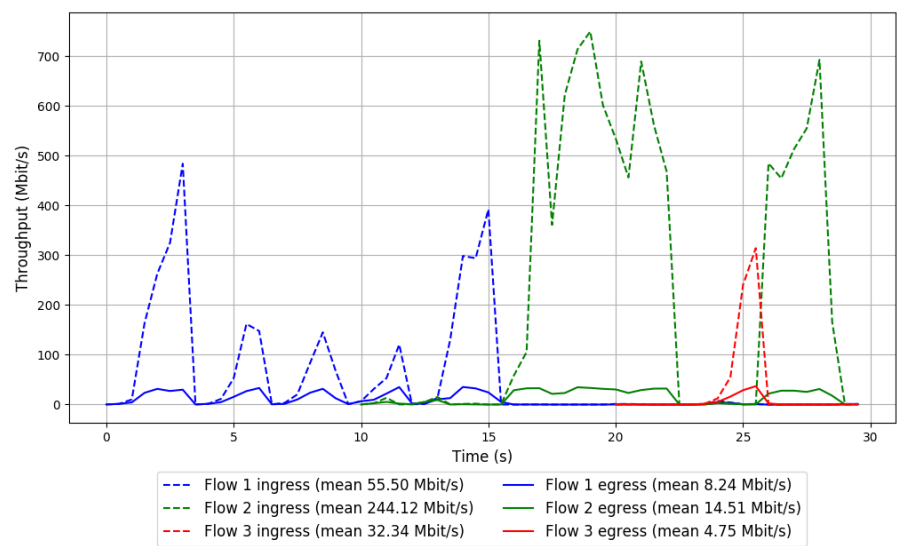


Run 7: Statistics of Verus

Start at: 2017-10-12 08:49:42
End at: 2017-10-12 08:50:12
Local clock offset: 0.668 ms
Remote clock offset: -3.372 ms

```
# Below is generated by plot.py at 2017-10-12 10:09:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 140.514 ms
Loss rate: 91.47%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 98.930 ms
Loss rate: 85.16%
-- Flow 2:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 150.566 ms
Loss rate: 94.05%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 89.903 ms
Loss rate: 85.31%
```

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-10-12 09:08:01

End at: 2017-10-12 09:08:31

Local clock offset: 0.659 ms

Remote clock offset: -2.29 ms

Below is generated by plot.py at 2017-10-12 10:09:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.19 Mbit/s

95th percentile per-packet one-way delay: 122.476 ms

Loss rate: 82.45%

-- Flow 1:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 139.680 ms

Loss rate: 82.76%

-- Flow 2:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 113.425 ms

Loss rate: 85.90%

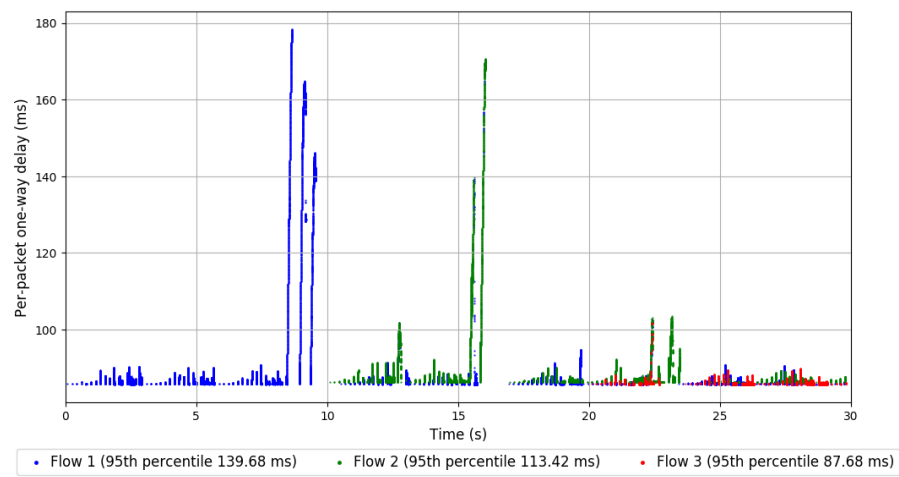
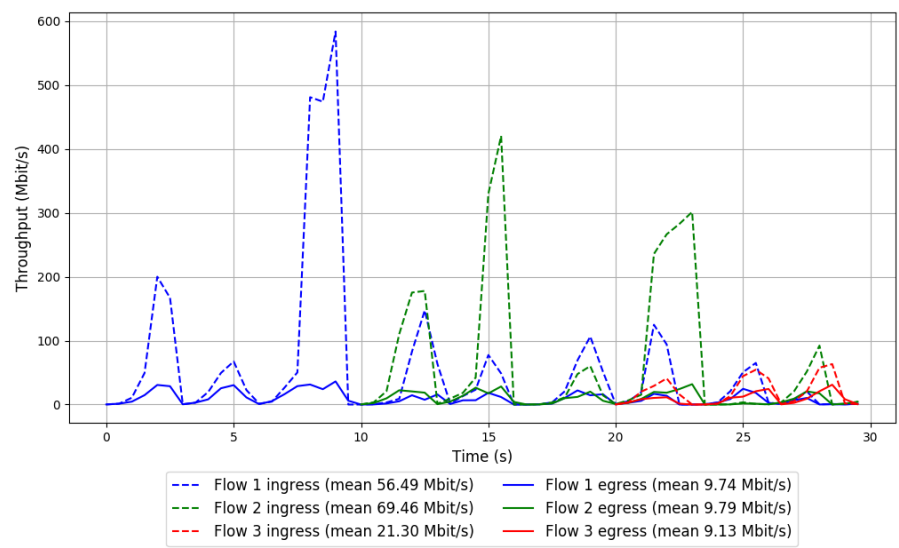
-- Flow 3:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 87.679 ms

Loss rate: 57.14%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

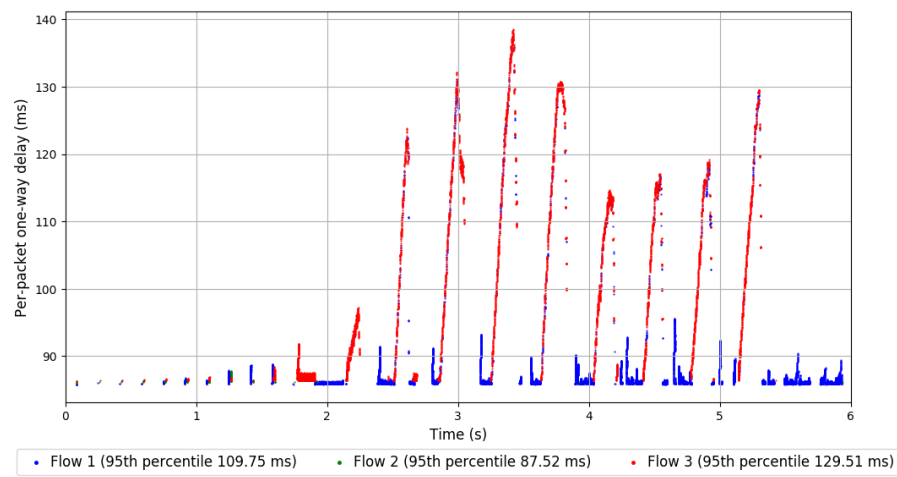
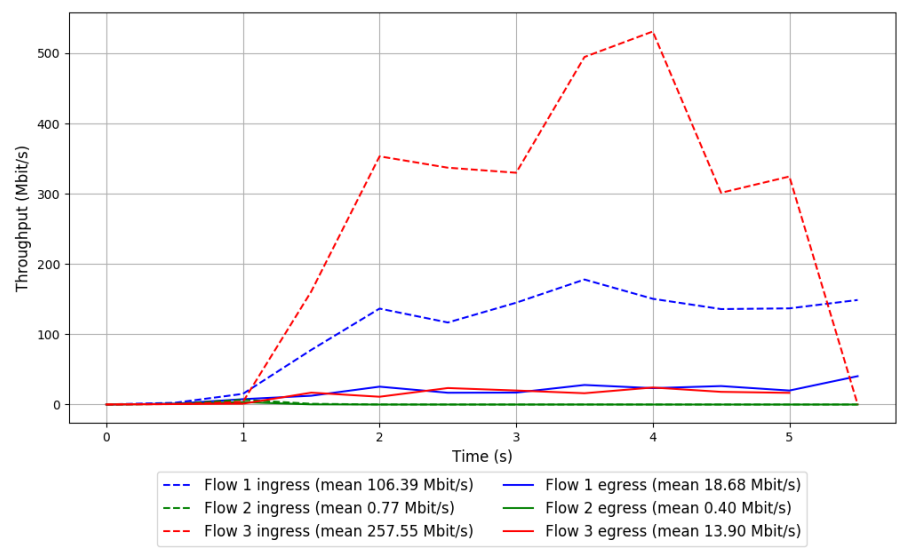
Start at: 2017-10-12 09:26:17

End at: 2017-10-12 09:26:47

Local clock offset: 0.589 ms

Remote clock offset: -0.989 ms

Run 9: Report of Verus — Data Link

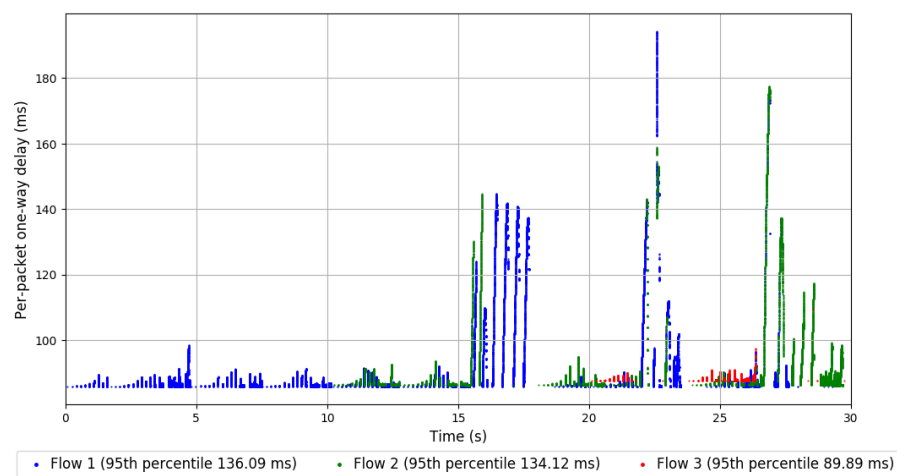
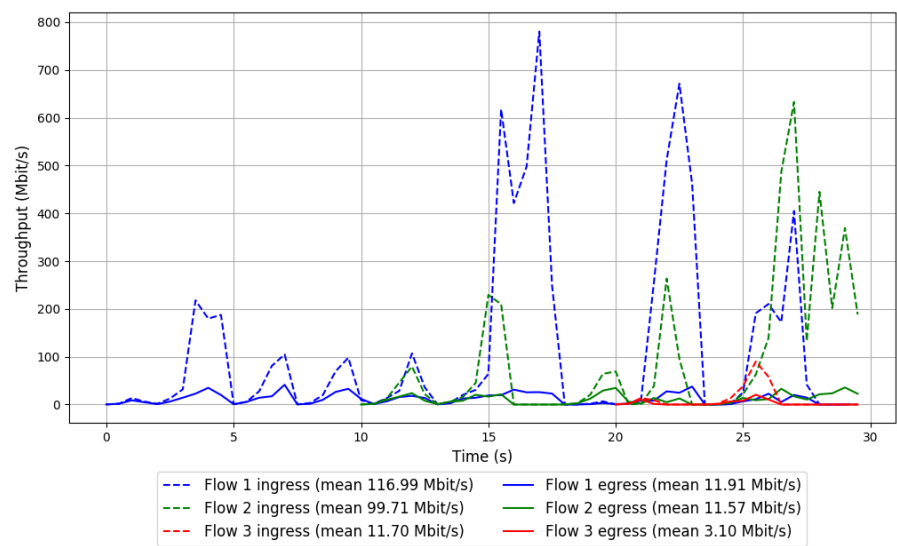


Run 10: Statistics of Verus

Start at: 2017-10-12 09:44:28
End at: 2017-10-12 09:44:58
Local clock offset: 0.68 ms
Remote clock offset: -1.078 ms

Below is generated by plot.py at 2017-10-12 10:09:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 134.801 ms
Loss rate: 89.02%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 136.090 ms
Loss rate: 89.87%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 134.121 ms
Loss rate: 88.40%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 89.888 ms
Loss rate: 73.48%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-10-12 06:50:18

End at: 2017-10-12 06:50:48

Local clock offset: 0.685 ms

Remote clock offset: -8.25 ms

Below is generated by plot.py at 2017-10-12 10:11:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 80.989 ms

Loss rate: 78.97%

-- Flow 1:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 80.989 ms

Loss rate: 78.96%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 82.804 ms

Loss rate: 86.23%

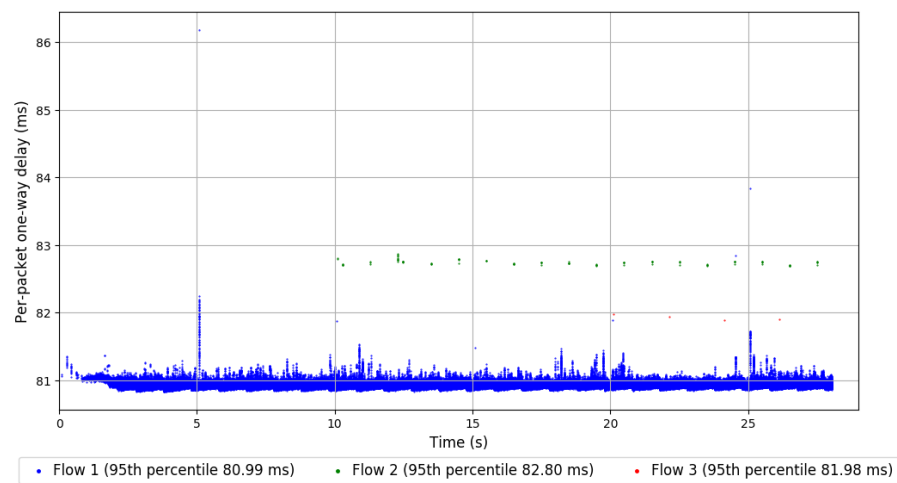
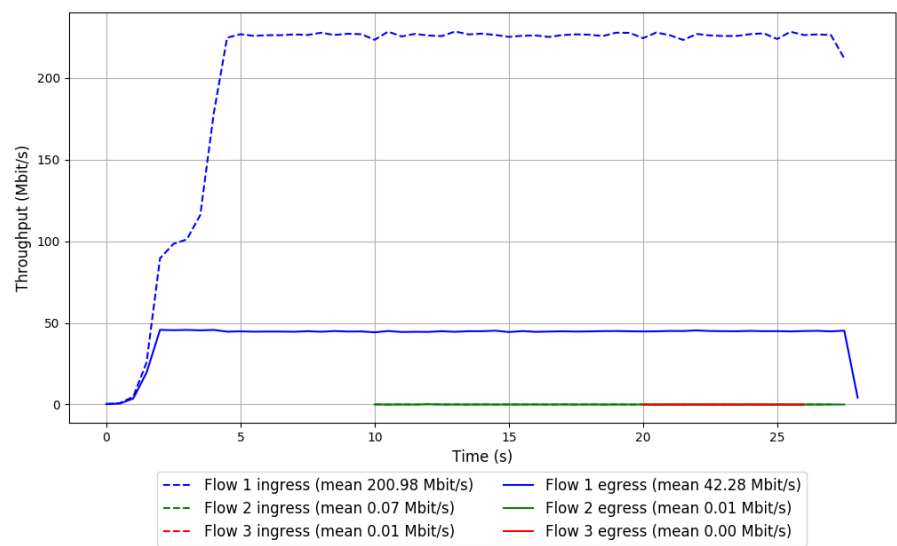
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 81.980 ms

Loss rate: 92.35%

Run 1: Report of Copa — Data Link

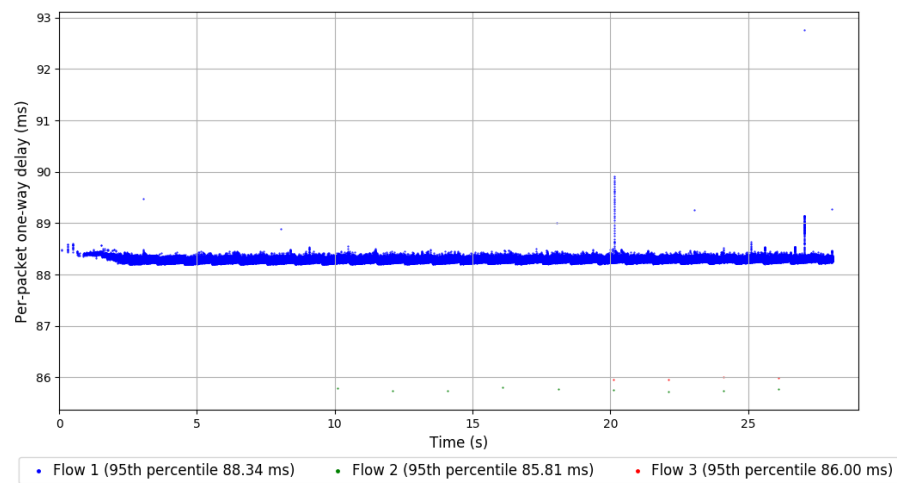
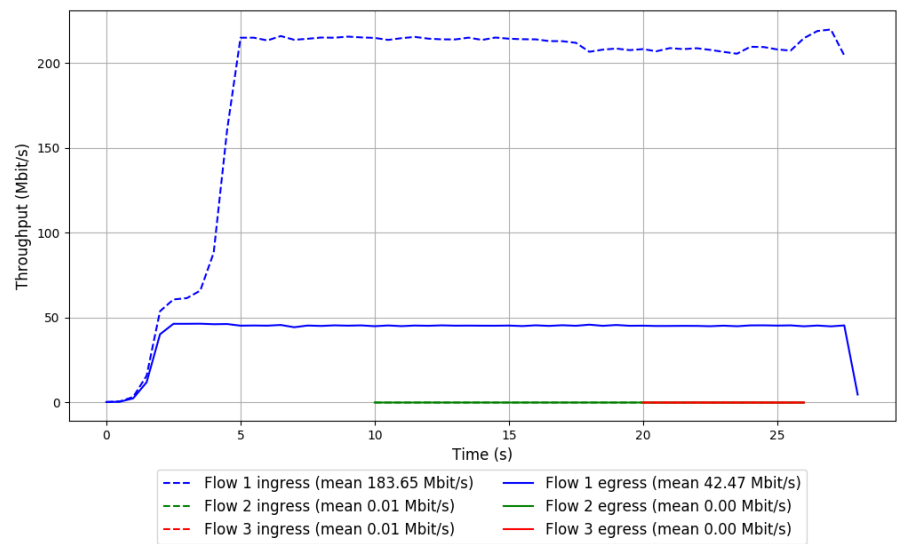


Run 2: Statistics of Copa

Start at: 2017-10-12 07:08:37
End at: 2017-10-12 07:09:07
Local clock offset: 0.674 ms
Remote clock offset: -4.031 ms

Below is generated by plot.py at 2017-10-12 10:11:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 88.343 ms
Loss rate: 76.88%
-- Flow 1:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 88.343 ms
Loss rate: 76.87%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.810 ms
Loss rate: 92.35%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.000 ms
Loss rate: 92.35%

Run 2: Report of Copa — Data Link

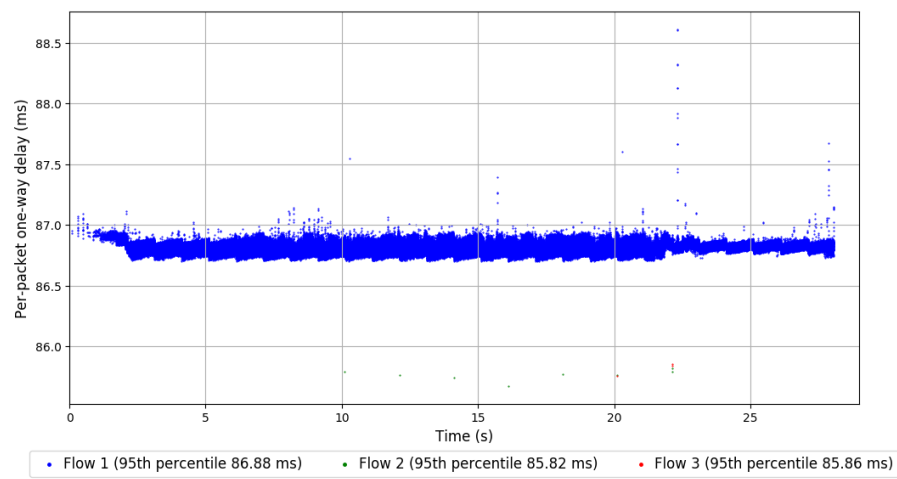
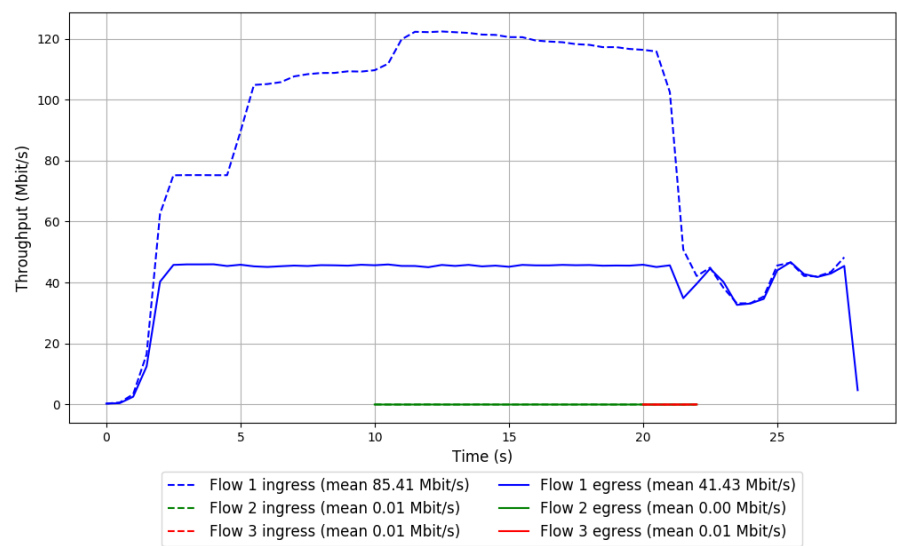


Run 3: Statistics of Copa

Start at: 2017-10-12 07:26:54
End at: 2017-10-12 07:27:24
Local clock offset: 0.685 ms
Remote clock offset: -4.402 ms

```
# Below is generated by plot.py at 2017-10-12 10:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 51.50%
-- Flow 1:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 51.50%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.818 ms
Loss rate: 79.15%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 85.858 ms
Loss rate: 46.17%
```


Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-10-12 07:45:12

End at: 2017-10-12 07:45:42

Local clock offset: 0.704 ms

Remote clock offset: -4.97 ms

Below is generated by plot.py at 2017-10-12 10:11:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.81 Mbit/s

95th percentile per-packet one-way delay: 85.926 ms

Loss rate: 63.00%

-- Flow 1:

Average throughput: 42.81 Mbit/s

95th percentile per-packet one-way delay: 85.926 ms

Loss rate: 62.99%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 85.346 ms

Loss rate: 73.53%

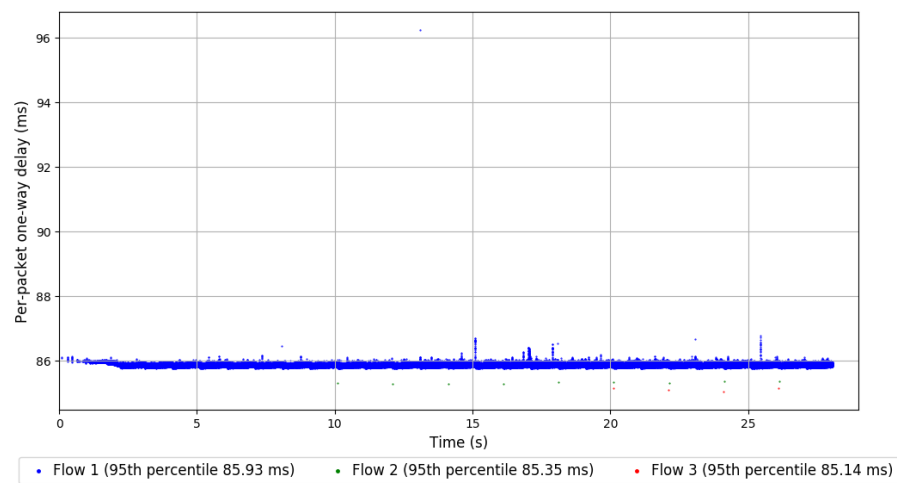
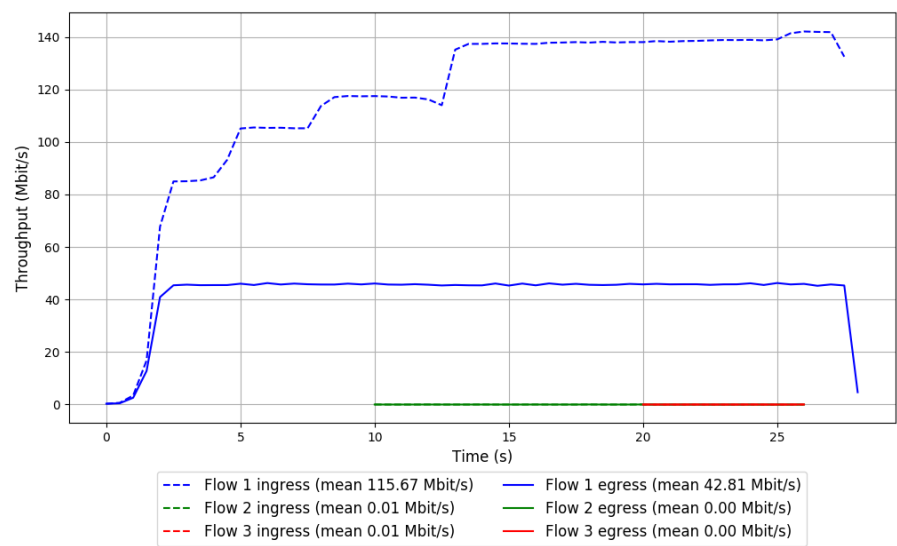
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 85.141 ms

Loss rate: 71.17%

Run 4: Report of Copa — Data Link

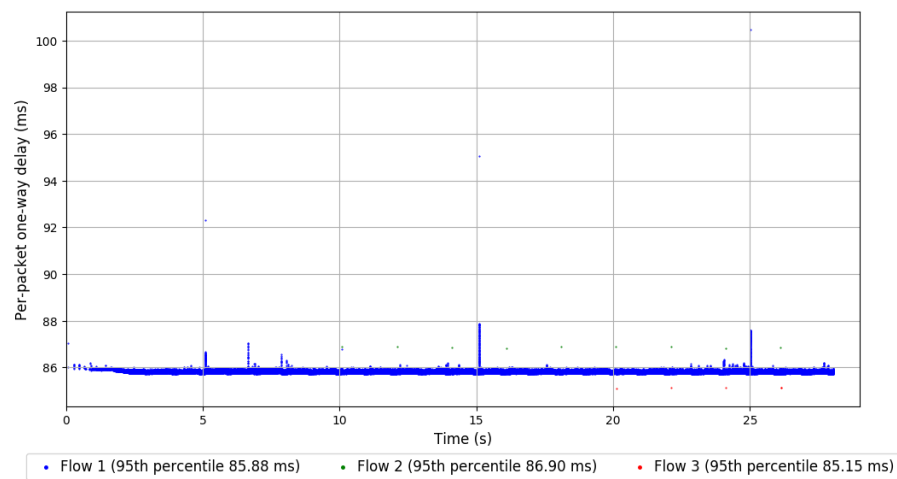
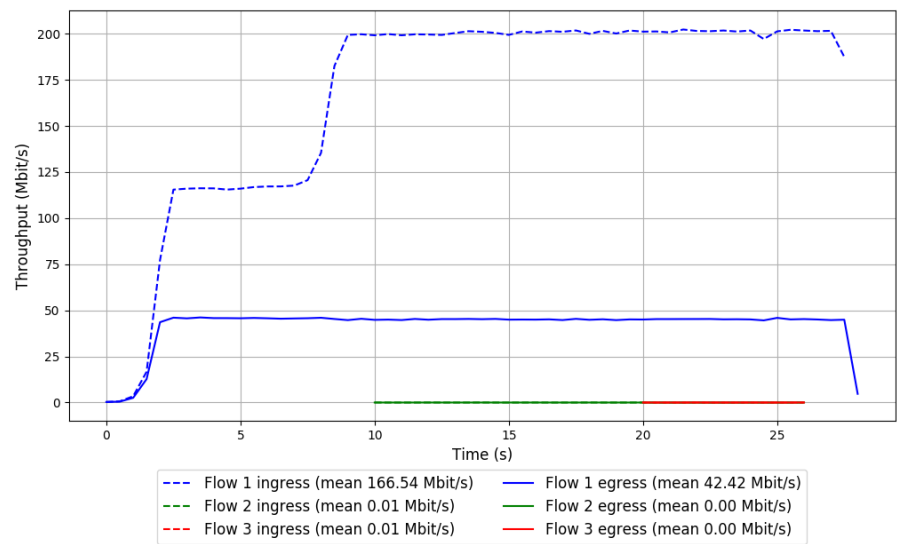


Run 5: Statistics of Copa

Start at: 2017-10-12 08:03:32
End at: 2017-10-12 08:04:02
Local clock offset: 0.686 ms
Remote clock offset: -4.781 ms

Below is generated by plot.py at 2017-10-12 10:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 85.877 ms
Loss rate: 74.53%
-- Flow 1:
Average throughput: 42.42 Mbit/s
95th percentile per-packet one-way delay: 85.877 ms
Loss rate: 74.53%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.902 ms
Loss rate: 82.94%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.152 ms
Loss rate: 48.09%

Run 5: Report of Copa — Data Link

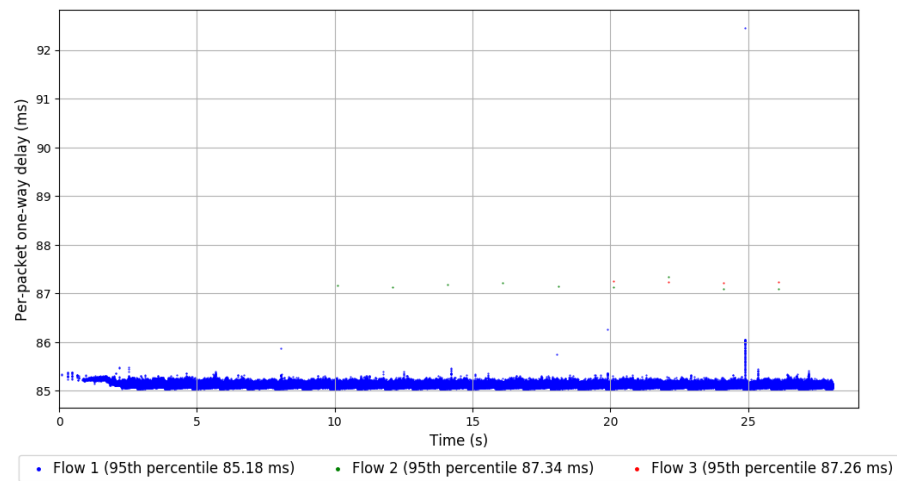
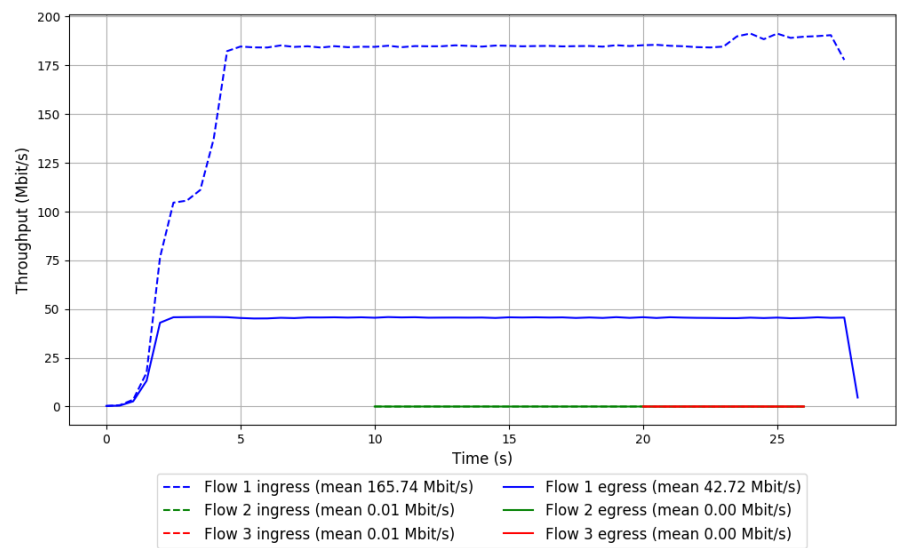


Run 6: Statistics of Copa

Start at: 2017-10-12 08:21:56
End at: 2017-10-12 08:22:26
Local clock offset: 0.648 ms
Remote clock offset: -4.07 ms

```
# Below is generated by plot.py at 2017-10-12 10:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 85.183 ms
Loss rate: 74.22%
-- Flow 1:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 85.183 ms
Loss rate: 74.22%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.340 ms
Loss rate: 92.35%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.258 ms
Loss rate: 92.35%
```

Run 6: Report of Copa — Data Link

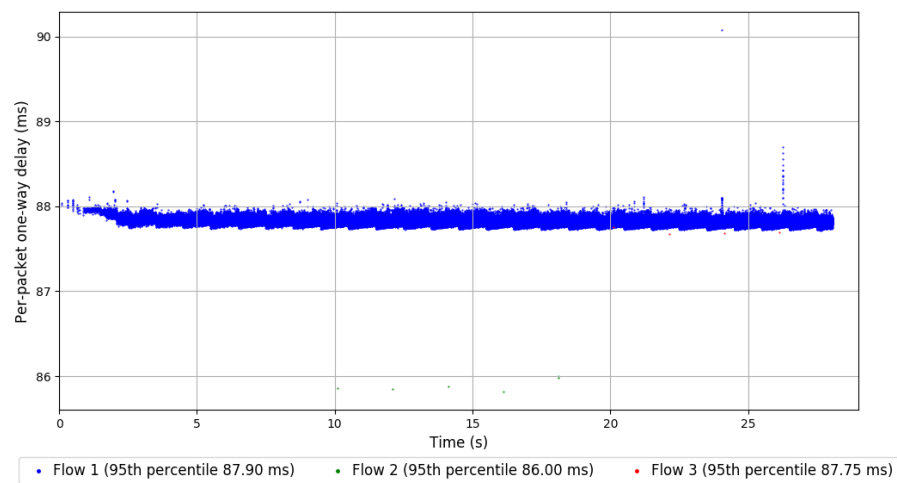
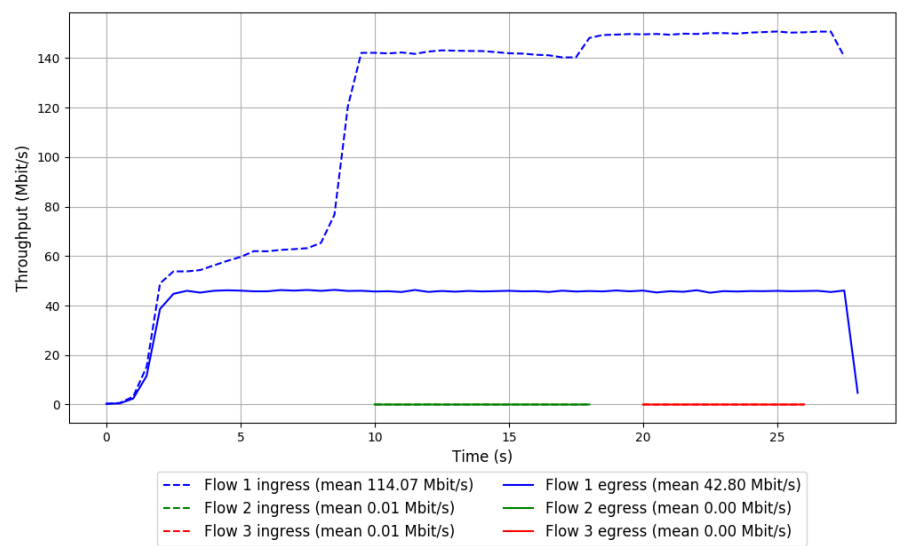


Run 7: Statistics of Copa

Start at: 2017-10-12 08:40:14
End at: 2017-10-12 08:40:44
Local clock offset: 0.598 ms
Remote clock offset: -3.034 ms

Below is generated by plot.py at 2017-10-12 10:11:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 87.899 ms
Loss rate: 62.48%
-- Flow 1:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 87.899 ms
Loss rate: 62.48%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.999 ms
Loss rate: 73.88%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.749 ms
Loss rate: 92.35%

Run 7: Report of Copa — Data Link

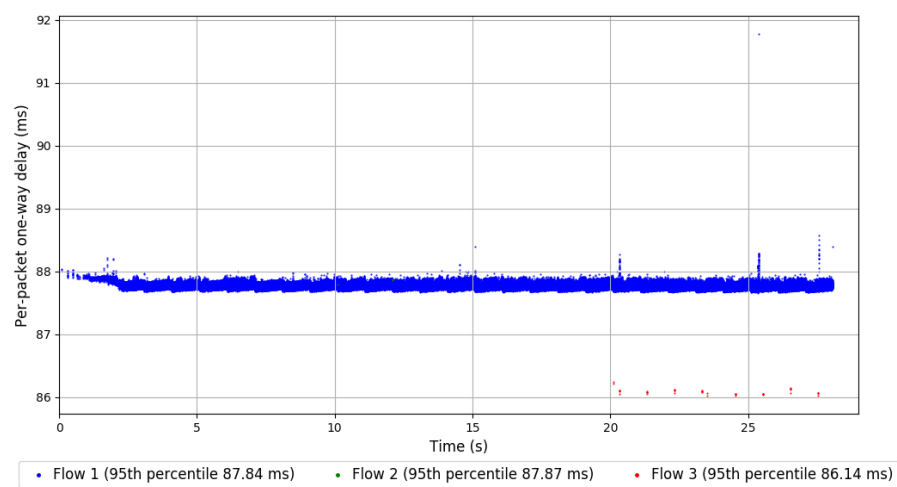
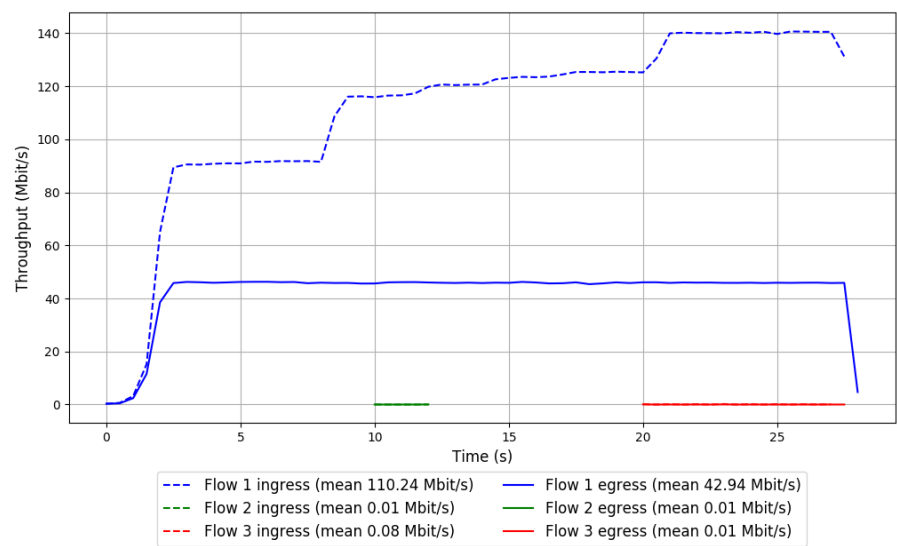


Run 8: Statistics of Copa

Start at: 2017-10-12 08:58:34
End at: 2017-10-12 08:59:04
Local clock offset: 0.695 ms
Remote clock offset: -2.299 ms

```
# Below is generated by plot.py at 2017-10-12 10:11:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 87.844 ms
Loss rate: 61.06%
-- Flow 1:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 87.844 ms
Loss rate: 61.05%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 87.871 ms
Loss rate: 46.17%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 86.139 ms
Loss rate: 88.05%
```

Run 8: Report of Copa — Data Link

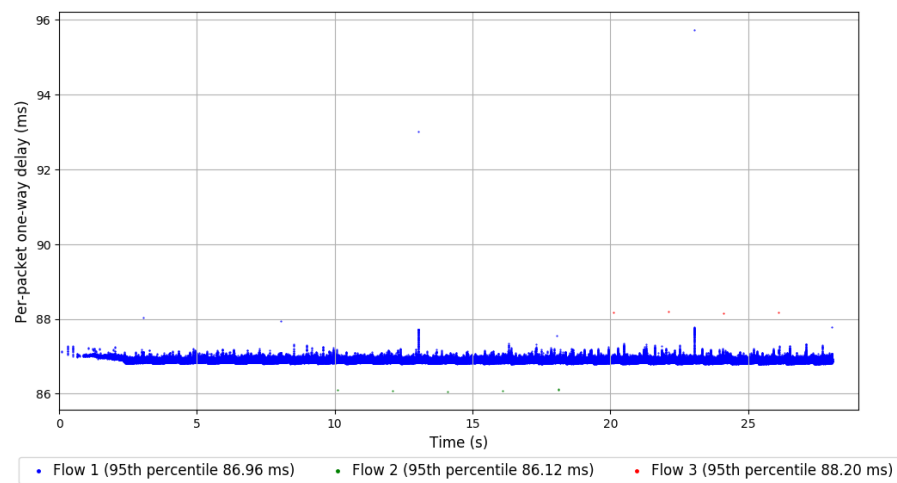
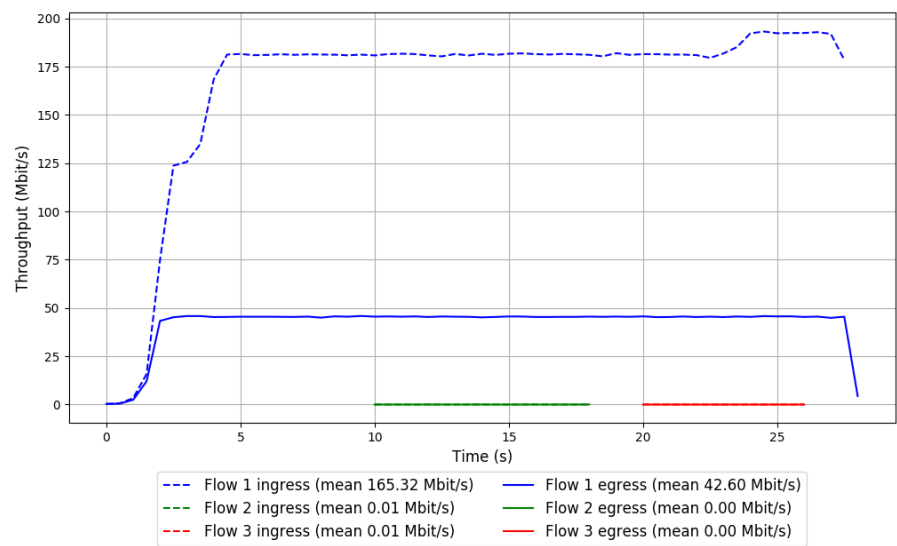


Run 9: Statistics of Copa

Start at: 2017-10-12 09:16:53
End at: 2017-10-12 09:17:23
Local clock offset: 0.655 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2017-10-12 10:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 74.23%
-- Flow 1:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 74.23%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.119 ms
Loss rate: 73.88%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 88.198 ms
Loss rate: 92.35%

Run 9: Report of Copa — Data Link

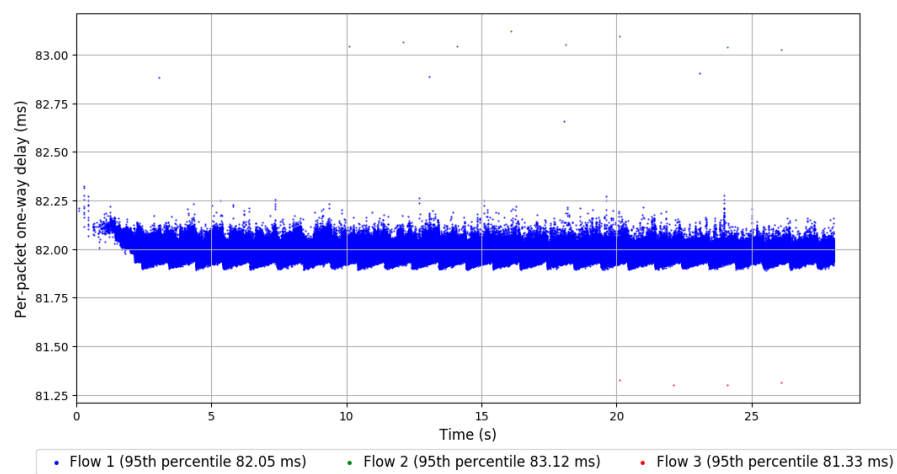
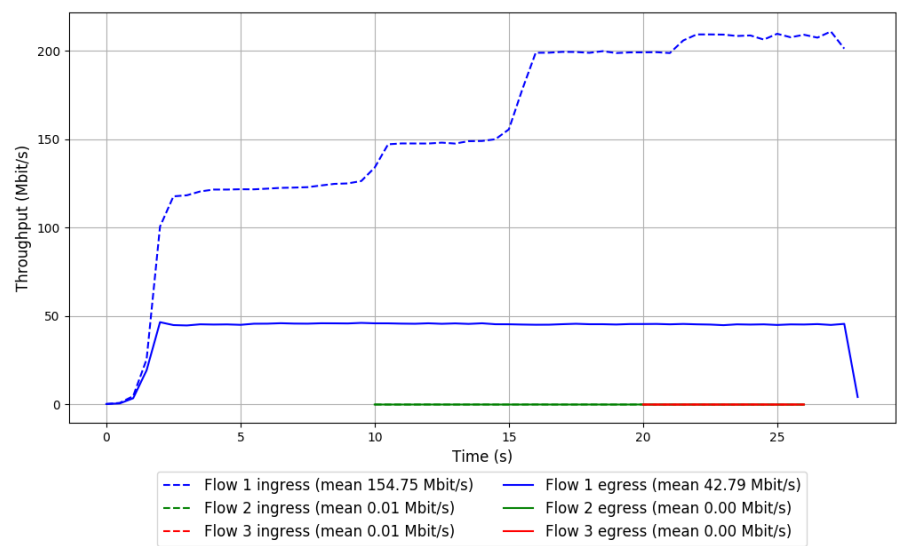


Run 10: Statistics of Copa

Start at: 2017-10-12 09:35:02
End at: 2017-10-12 09:35:32
Local clock offset: 0.667 ms
Remote clock offset: -5.989 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 82.053 ms
Loss rate: 72.35%
-- Flow 1:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 82.053 ms
Loss rate: 72.35%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.120 ms
Loss rate: 74.38%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.328 ms
Loss rate: 92.35%

Run 10: Report of Copa — Data Link

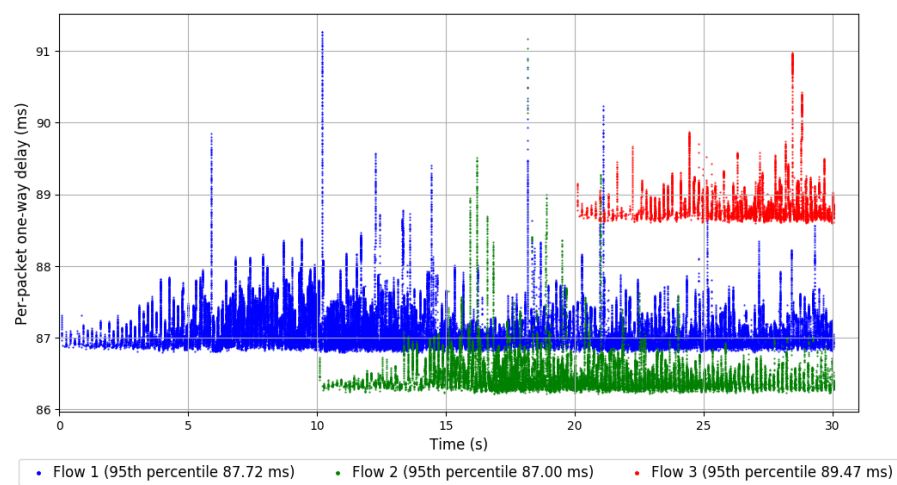
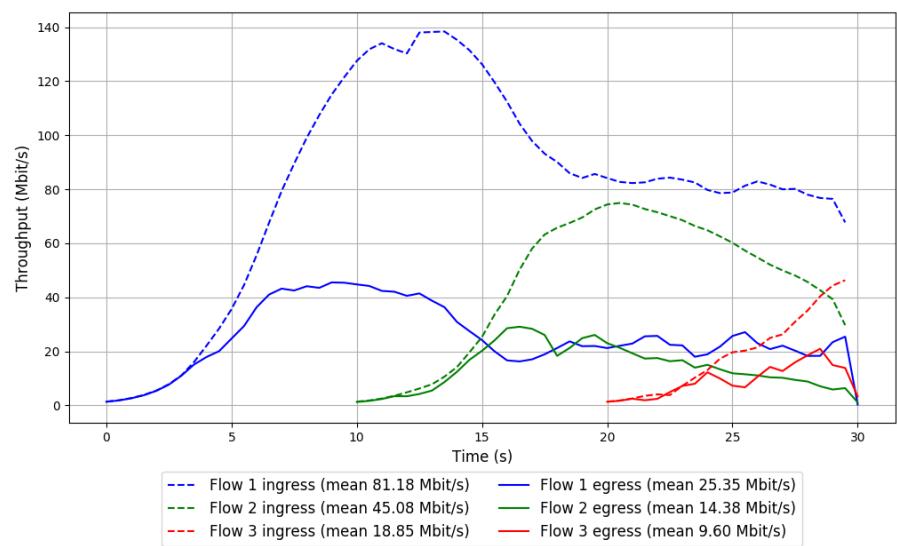


Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 06:51:47
End at: 2017-10-12 06:52:17
Local clock offset: 0.676 ms
Remote clock offset: -3.143 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 88.777 ms
Loss rate: 67.55%
-- Flow 1:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 87.721 ms
Loss rate: 68.77%
-- Flow 2:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 86.997 ms
Loss rate: 68.11%
-- Flow 3:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 89.465 ms
Loss rate: 49.04%

Run 1: Report of CalibratedKoho — Data Link

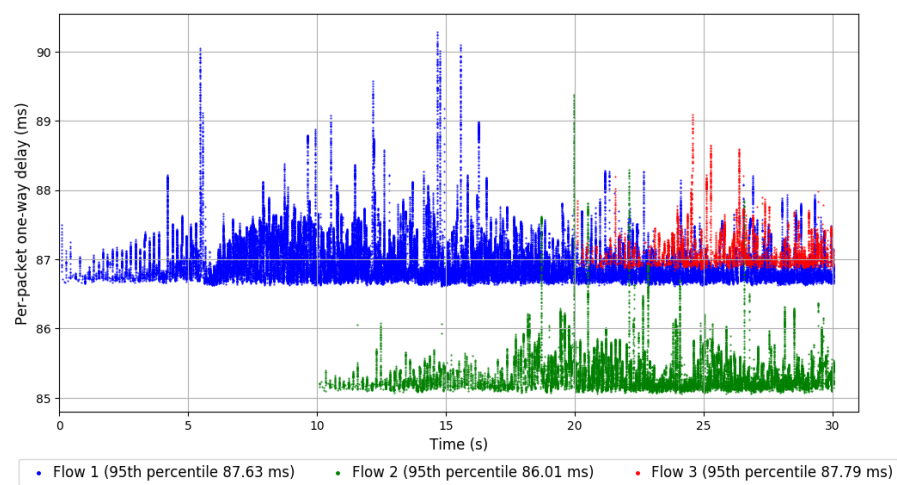
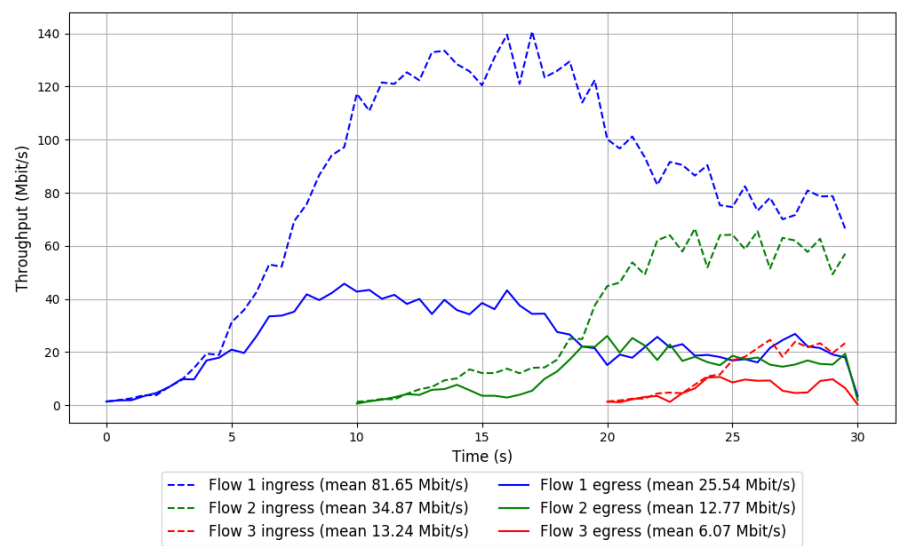


Run 2: Statistics of CalibratedKoho

Start at: 2017-10-12 07:10:06
End at: 2017-10-12 07:10:36
Local clock offset: 0.667 ms
Remote clock offset: -4.706 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 87.574 ms
Loss rate: 67.00%
-- Flow 1:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 87.634 ms
Loss rate: 68.72%
-- Flow 2:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 86.014 ms
Loss rate: 63.39%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 87.793 ms
Loss rate: 54.14%

Run 2: Report of CalibratedKoho — Data Link

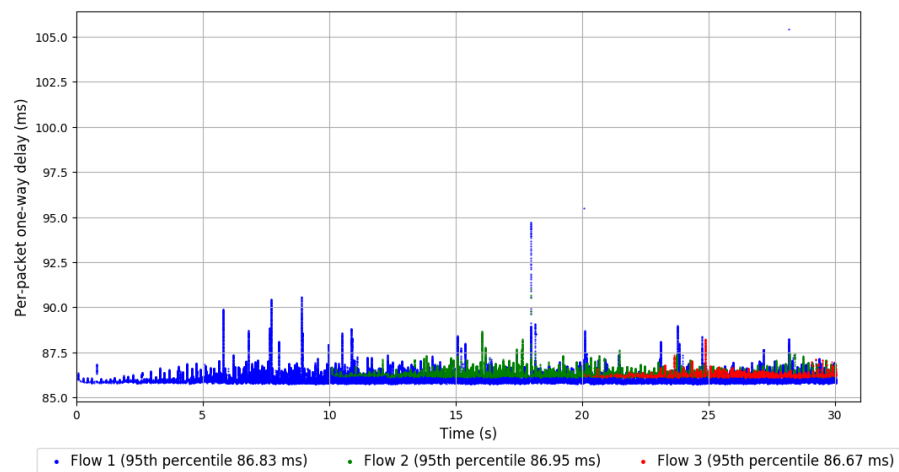
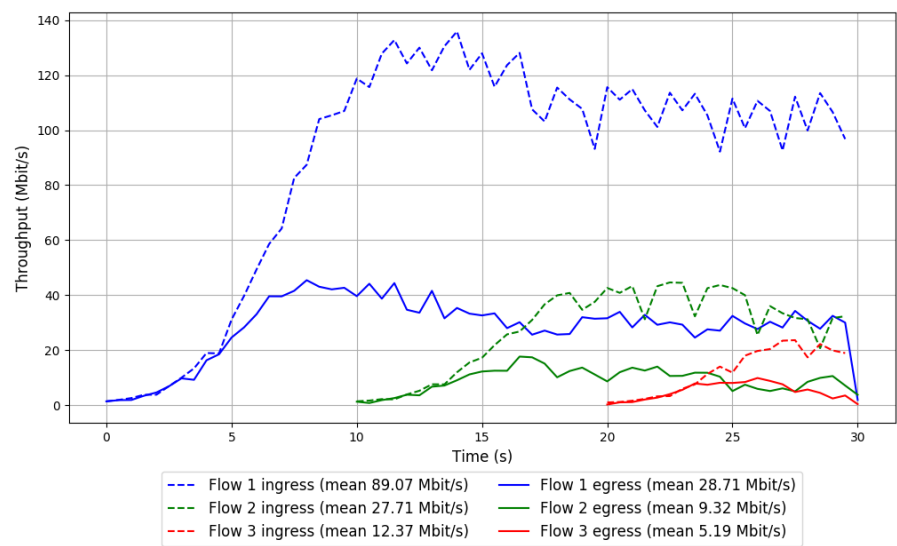


Run 3: Statistics of CalibratedKoho

Start at: 2017-10-12 07:28:21
End at: 2017-10-12 07:28:51
Local clock offset: 0.658 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 86.863 ms
Loss rate: 67.18%
-- Flow 1:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 86.831 ms
Loss rate: 67.77%
-- Flow 2:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 86.946 ms
Loss rate: 66.35%
-- Flow 3:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 58.09%

Run 3: Report of CalibratedKoho — Data Link

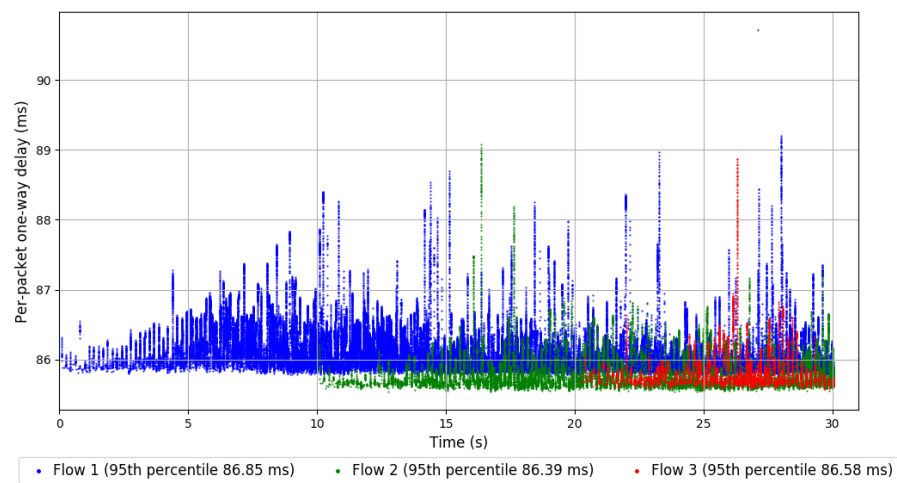
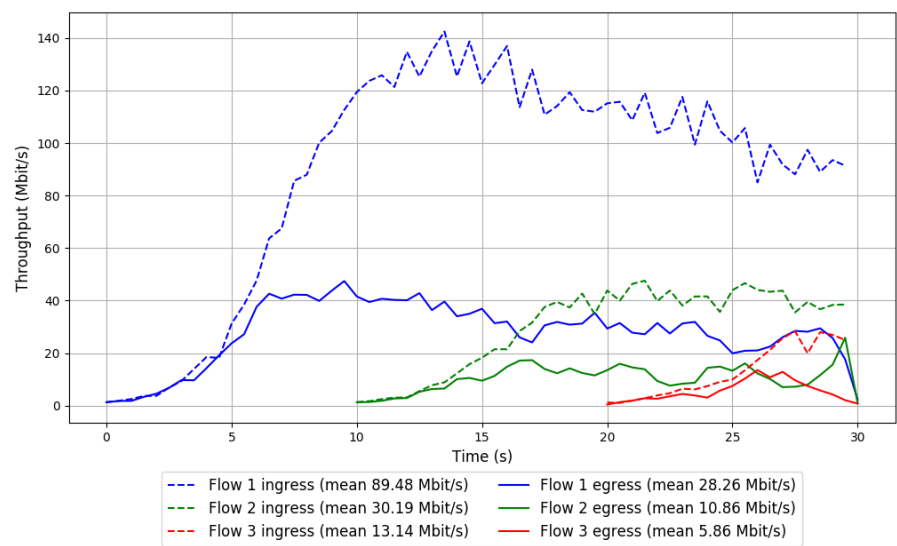


Run 4: Statistics of CalibratedKoho

Start at: 2017-10-12 07:46:38
End at: 2017-10-12 07:47:08
Local clock offset: 0.649 ms
Remote clock offset: -4.588 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 86.763 ms
Loss rate: 67.17%
-- Flow 1:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 68.42%
-- Flow 2:
Average throughput: 10.86 Mbit/s
95th percentile per-packet one-way delay: 86.386 ms
Loss rate: 64.04%
-- Flow 3:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 55.88%

Run 4: Report of CalibratedKoho — Data Link

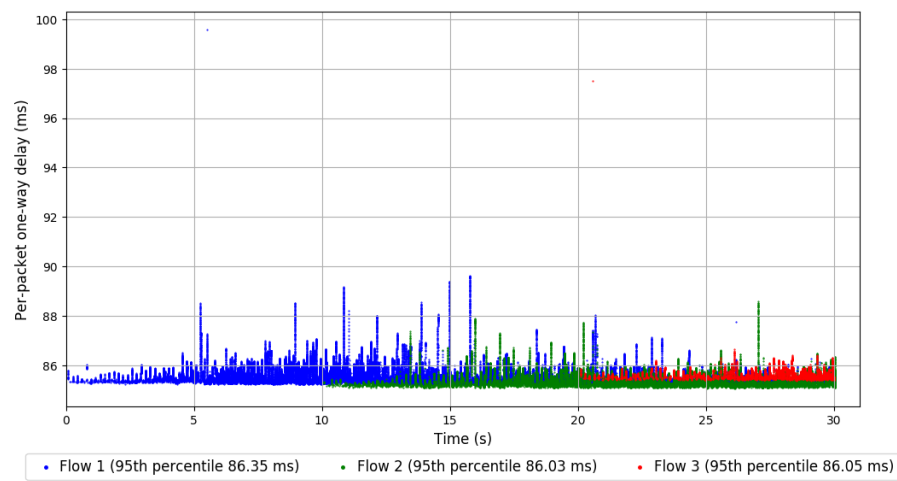
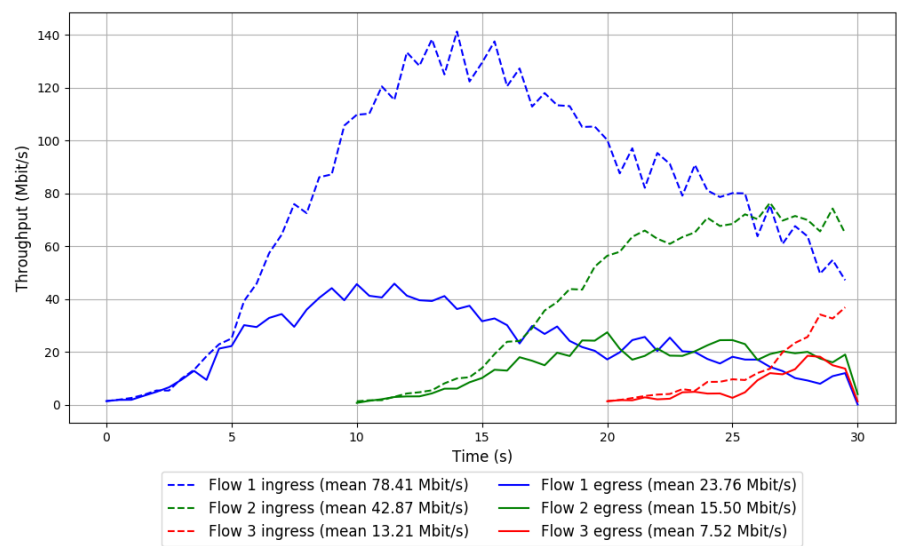


Run 5: Statistics of CalibratedKoho

Start at: 2017-10-12 08:05:05
End at: 2017-10-12 08:05:35
Local clock offset: 0.701 ms
Remote clock offset: -4.432 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 67.15%
-- Flow 1:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 86.350 ms
Loss rate: 69.70%
-- Flow 2:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 86.030 ms
Loss rate: 63.84%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 86.052 ms
Loss rate: 43.05%

Run 5: Report of CalibratedKoho — Data Link

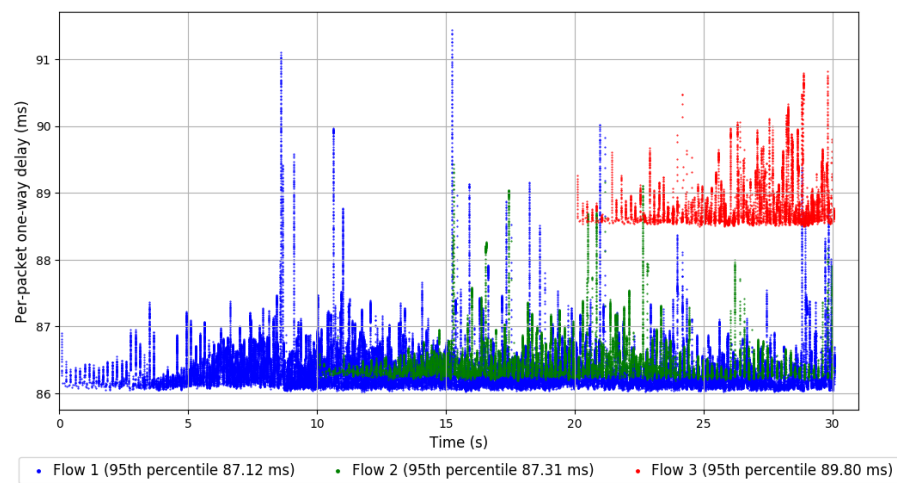
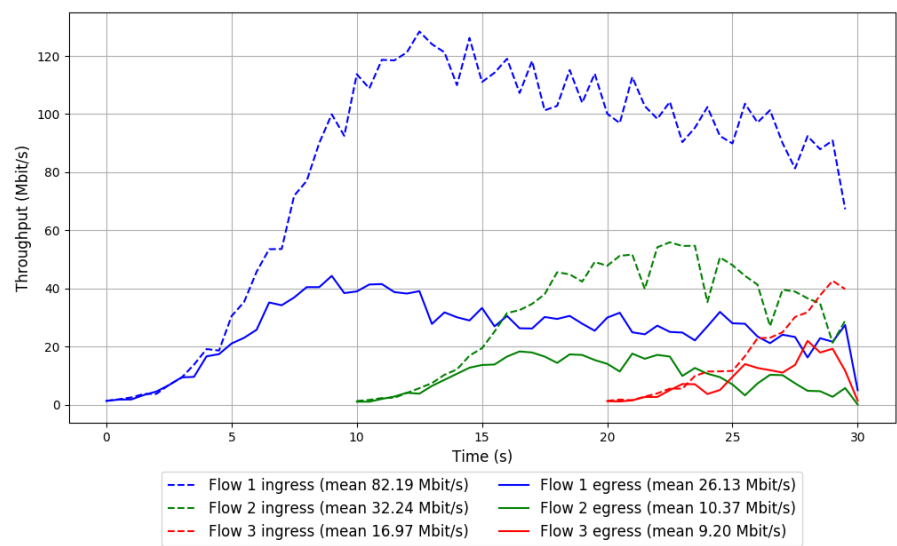


Run 6: Statistics of CalibratedKoho

Start at: 2017-10-12 08:23:25
End at: 2017-10-12 08:23:55
Local clock offset: 0.653 ms
Remote clock offset: -3.444 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 88.732 ms
Loss rate: 66.98%
-- Flow 1:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 87.124 ms
Loss rate: 68.20%
-- Flow 2:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 87.309 ms
Loss rate: 67.82%
-- Flow 3:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 89.804 ms
Loss rate: 45.83%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-10-12 08:41:41

End at: 2017-10-12 08:42:11

Local clock offset: 0.643 ms

Remote clock offset: -3.03 ms

Below is generated by plot.py at 2017-10-12 10:13:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 89.079 ms

Loss rate: 67.10%

-- Flow 1:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 89.270 ms

Loss rate: 68.91%

-- Flow 2:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 86.679 ms

Loss rate: 62.96%

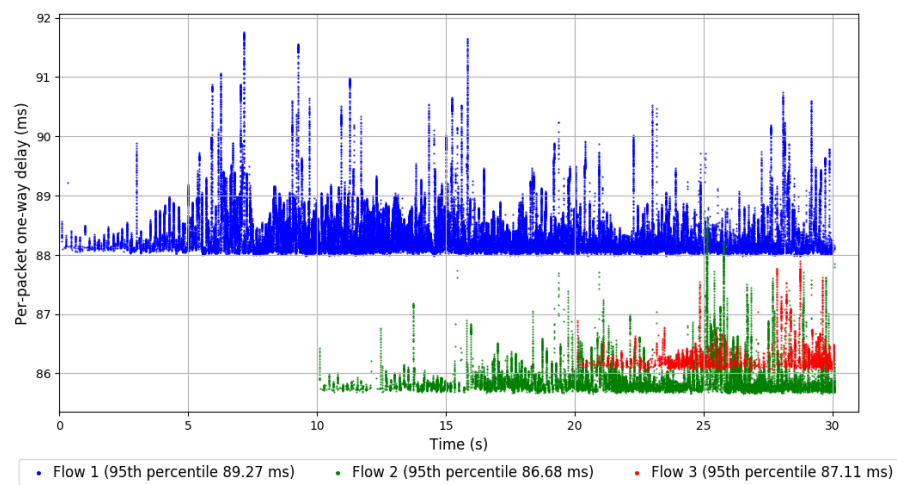
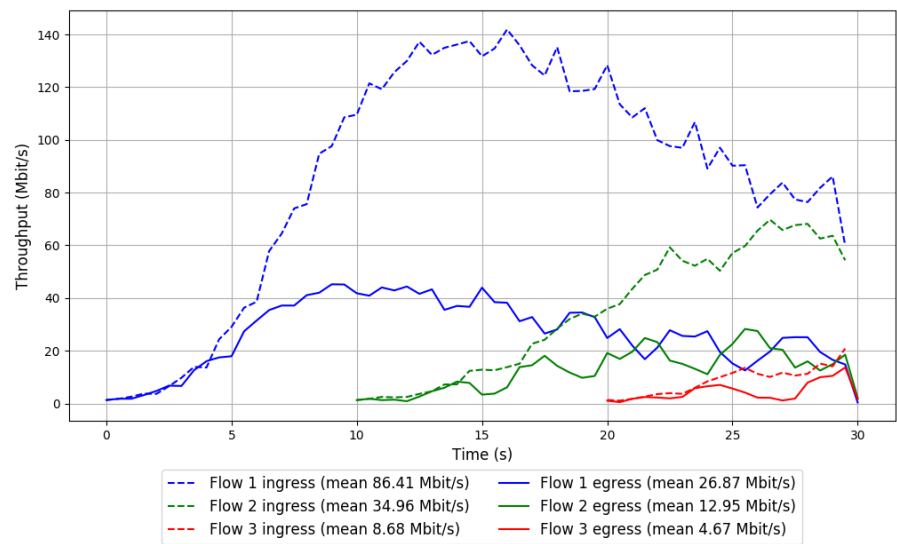
-- Flow 3:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 87.109 ms

Loss rate: 46.13%

Run 7: Report of CalibratedKoho — Data Link

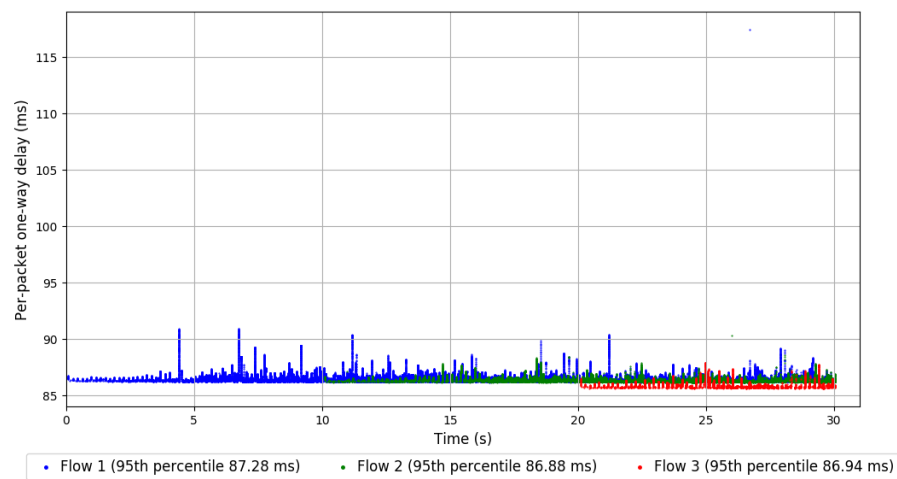
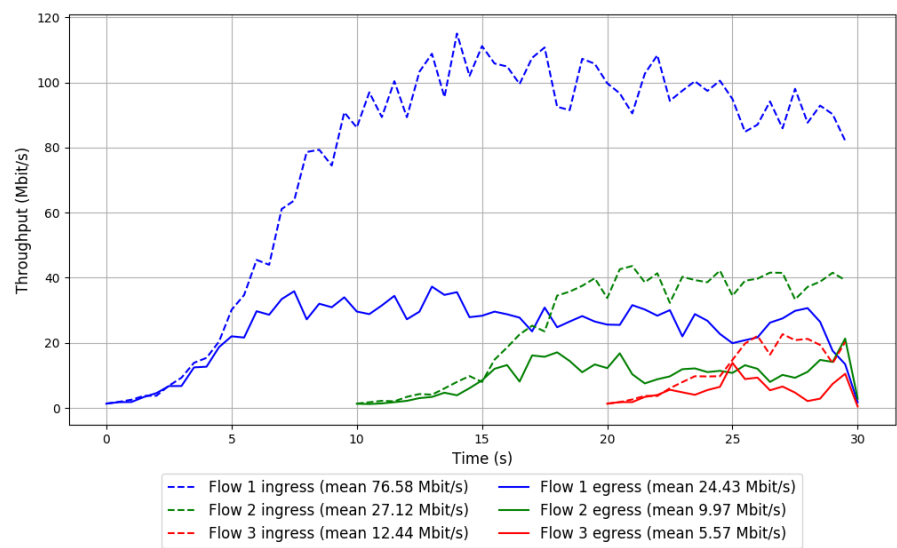


Run 8: Statistics of CalibratedKoho

Start at: 2017-10-12 09:00:01
End at: 2017-10-12 09:00:31
Local clock offset: 0.677 ms
Remote clock offset: -2.577 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 87.179 ms
Loss rate: 66.67%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 87.276 ms
Loss rate: 68.10%
-- Flow 2:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 63.25%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 55.25%

Run 8: Report of CalibratedKoho — Data Link

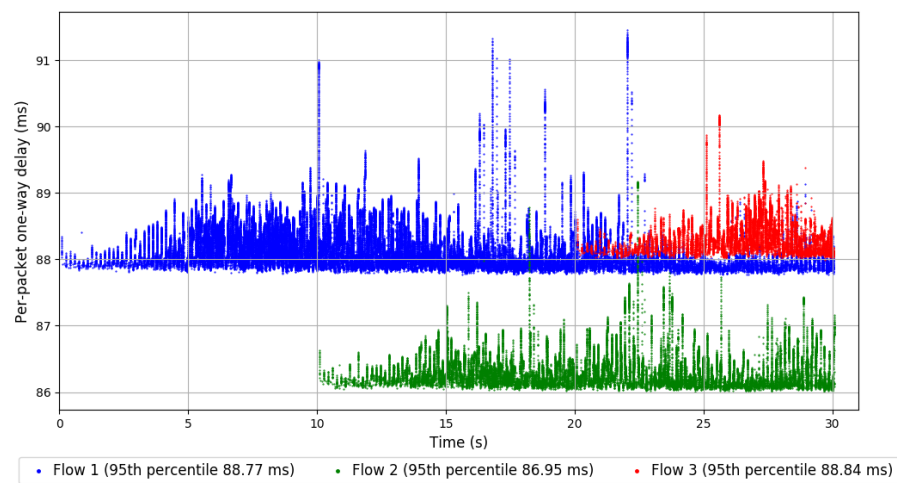
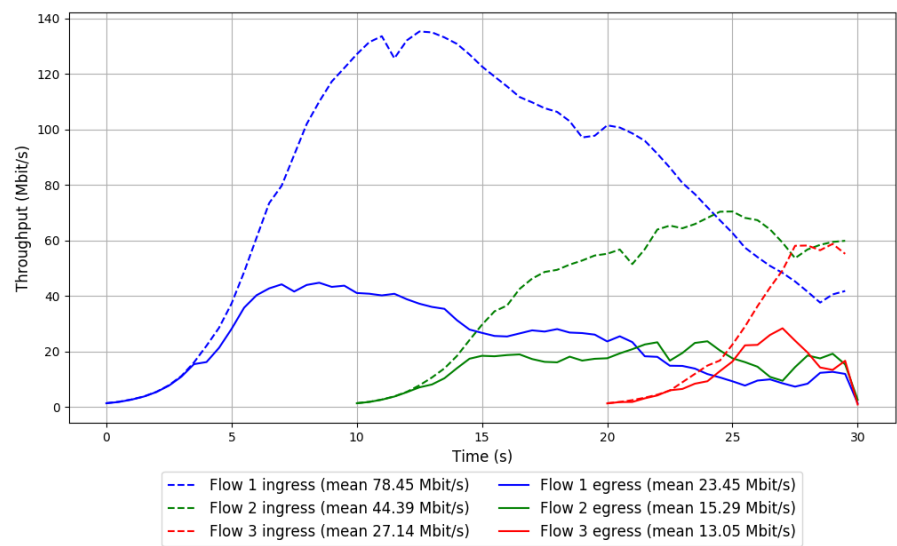


Run 9: Statistics of CalibratedKoho

Start at: 2017-10-12 09:18:20
End at: 2017-10-12 09:18:50
Local clock offset: 0.595 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 88.715 ms
Loss rate: 67.55%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 88.772 ms
Loss rate: 70.10%
-- Flow 2:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 86.949 ms
Loss rate: 65.55%
-- Flow 3:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 88.841 ms
Loss rate: 51.91%

Run 9: Report of CalibratedKoho — Data Link

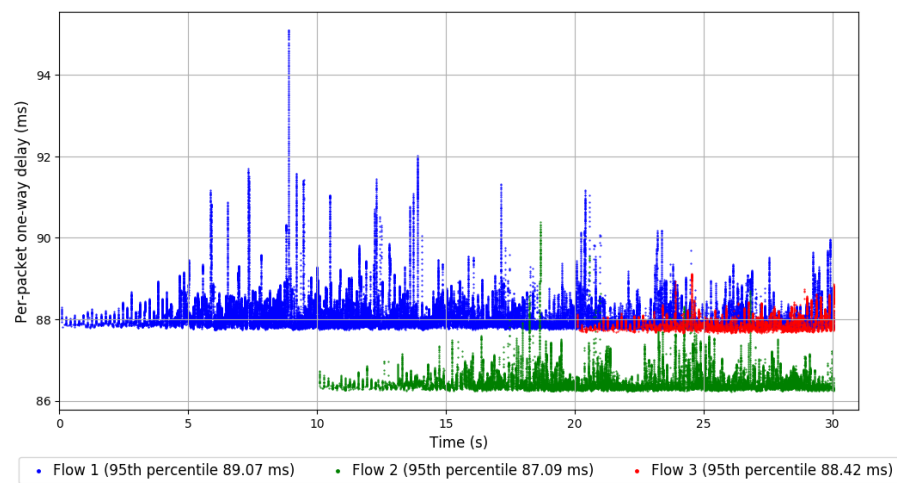
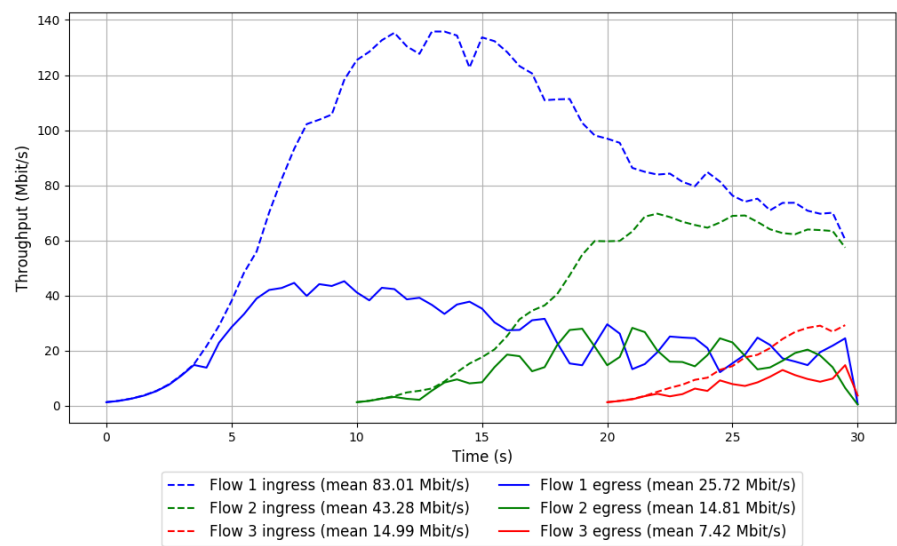


Run 10: Statistics of CalibratedKoho

Start at: 2017-10-12 09:36:30
End at: 2017-10-12 09:37:00
Local clock offset: 0.573 ms
Remote clock offset: -1.069 ms

Below is generated by plot.py at 2017-10-12 10:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 88.857 ms
Loss rate: 67.44%
-- Flow 1:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 89.066 ms
Loss rate: 69.02%
-- Flow 2:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 87.095 ms
Loss rate: 65.78%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 88.417 ms
Loss rate: 50.51%

Run 10: Report of CalibratedKoho — Data Link

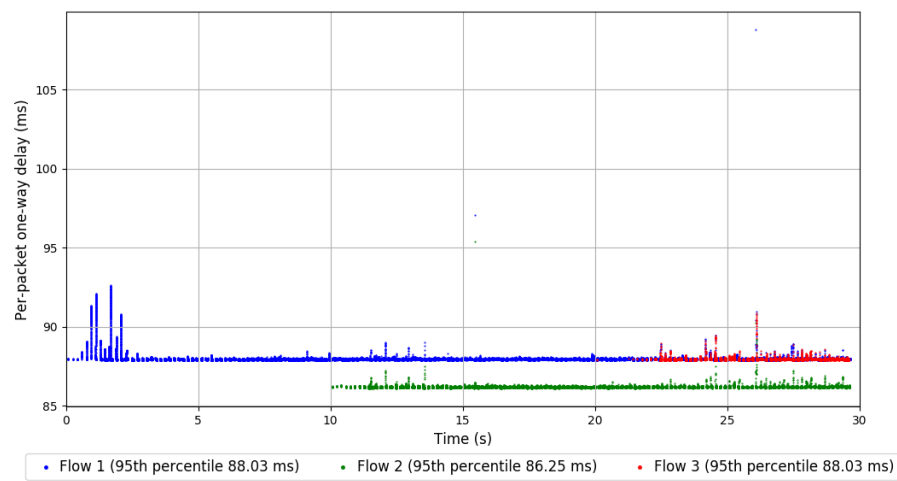
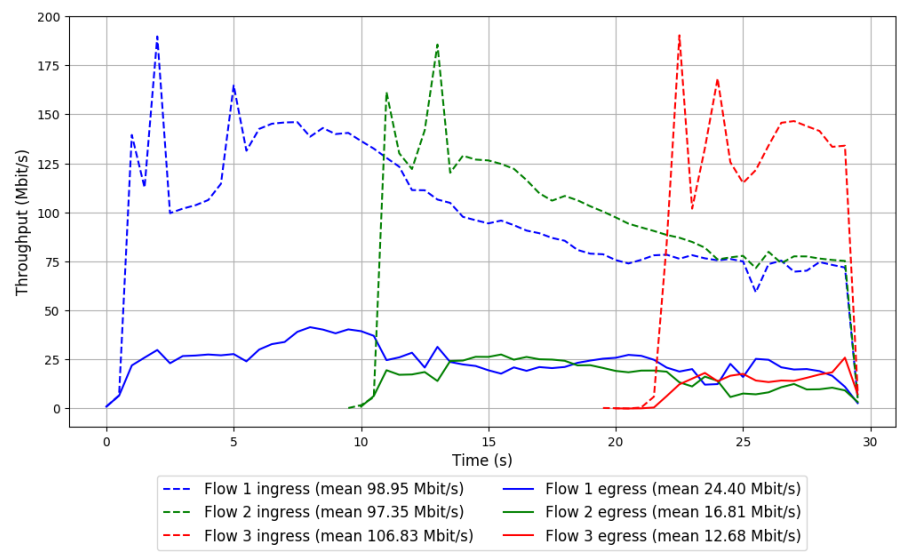


Run 1: Statistics of Indigo

Start at: 2017-10-12 06:53:07
End at: 2017-10-12 06:53:37
Local clock offset: 0.599 ms
Remote clock offset: -3.435 ms

Below is generated by plot.py at 2017-10-12 10:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 88.006 ms
Loss rate: 79.97%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 88.030 ms
Loss rate: 75.34%
-- Flow 2:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 86.249 ms
Loss rate: 82.73%
-- Flow 3:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 88.032 ms
Loss rate: 88.13%

Run 1: Report of Indigo — Data Link

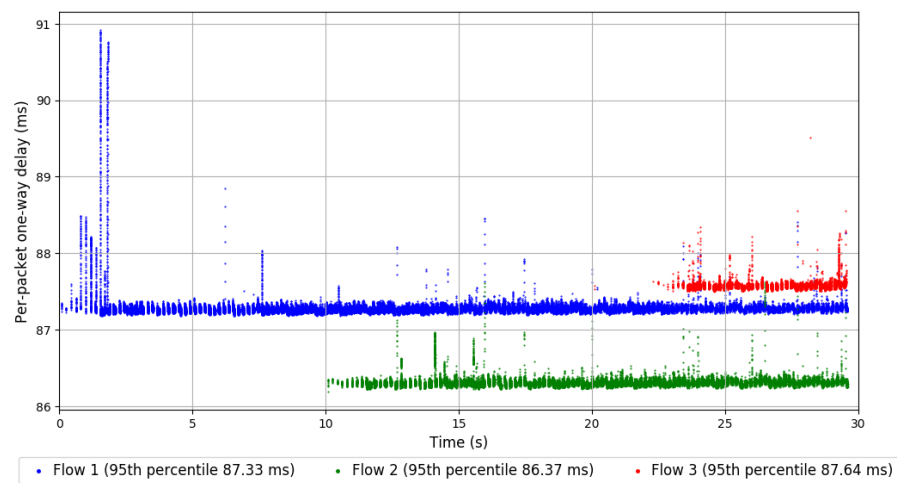
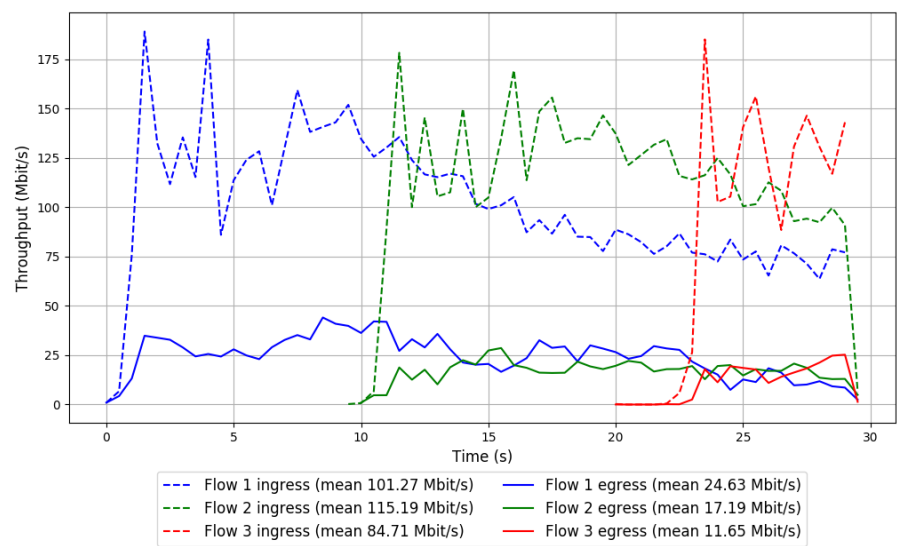


Run 2: Statistics of Indigo

Start at: 2017-10-12 07:11:26
End at: 2017-10-12 07:11:56
Local clock offset: 0.638 ms
Remote clock offset: -4.478 ms

Below is generated by plot.py at 2017-10-12 10:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 87.580 ms
Loss rate: 80.58%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 87.332 ms
Loss rate: 75.67%
-- Flow 2:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 86.373 ms
Loss rate: 85.08%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 87.640 ms
Loss rate: 86.24%

Run 2: Report of Indigo — Data Link

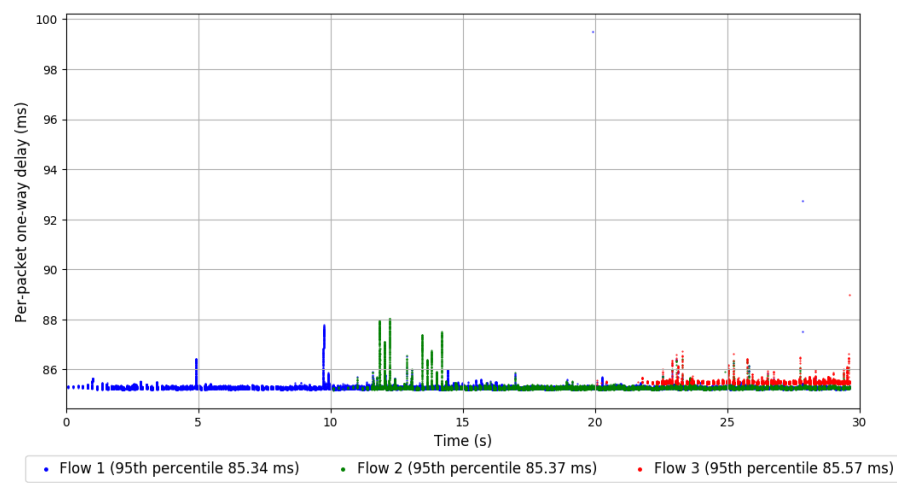
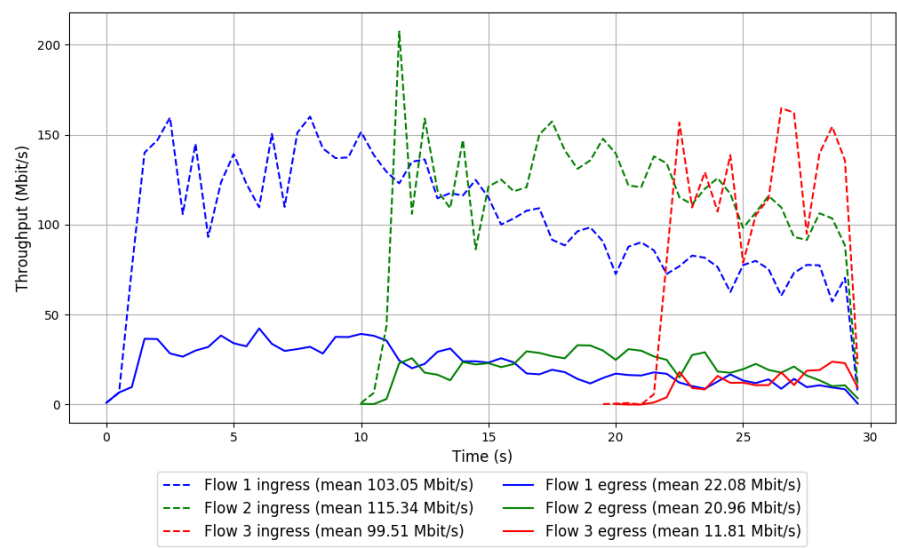


Run 3: Statistics of Indigo

Start at: 2017-10-12 07:29:43
End at: 2017-10-12 07:30:13
Local clock offset: 0.591 ms
Remote clock offset: -4.995 ms

Below is generated by plot.py at 2017-10-12 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 85.506 ms
Loss rate: 81.20%
-- Flow 1:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 85.345 ms
Loss rate: 78.58%
-- Flow 2:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 85.368 ms
Loss rate: 81.83%
-- Flow 3:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 85.566 ms
Loss rate: 88.13%

Run 3: Report of Indigo — Data Link

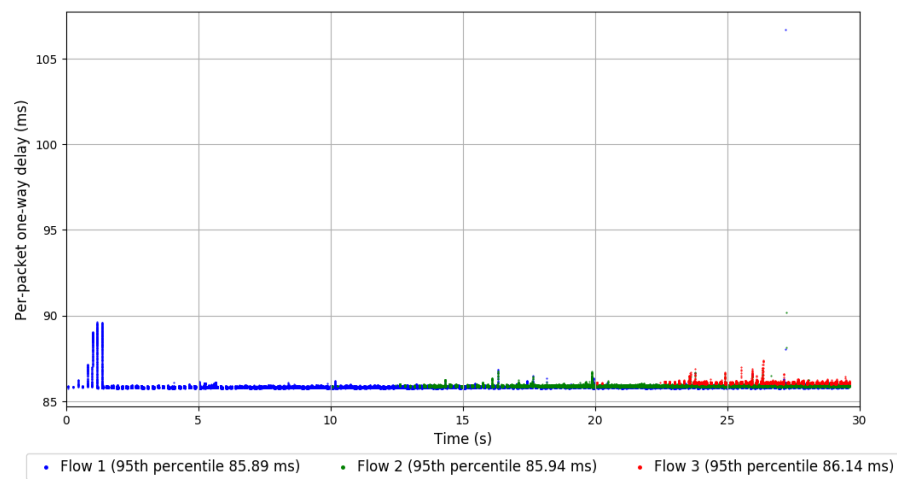
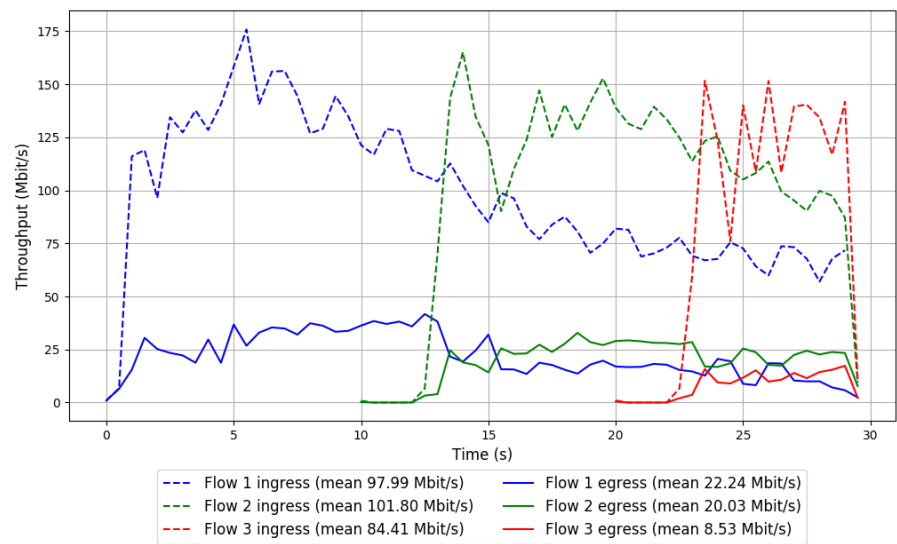


Run 4: Statistics of Indigo

Start at: 2017-10-12 07:47:59
End at: 2017-10-12 07:48:29
Local clock offset: 0.683 ms
Remote clock offset: -4.311 ms

Below is generated by plot.py at 2017-10-12 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 86.068 ms
Loss rate: 80.15%
-- Flow 1:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 85.887 ms
Loss rate: 77.30%
-- Flow 2:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 85.942 ms
Loss rate: 80.33%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 86.138 ms
Loss rate: 89.89%

Run 4: Report of Indigo — Data Link

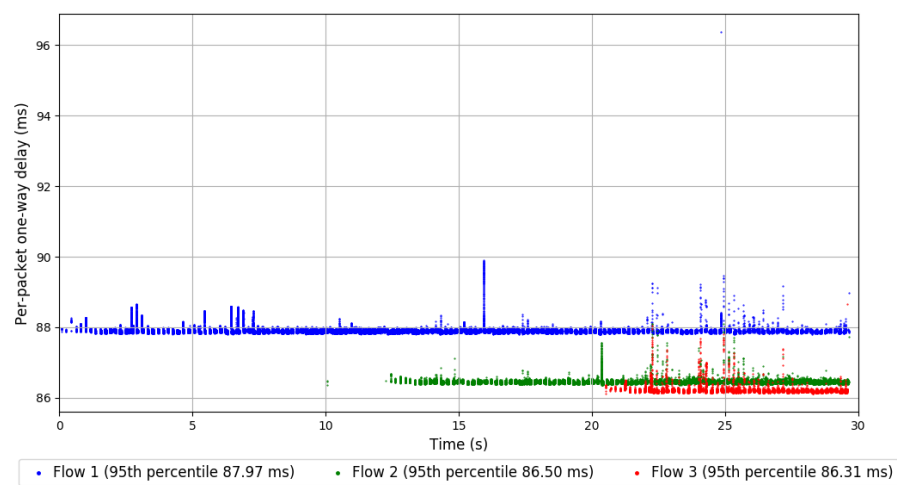
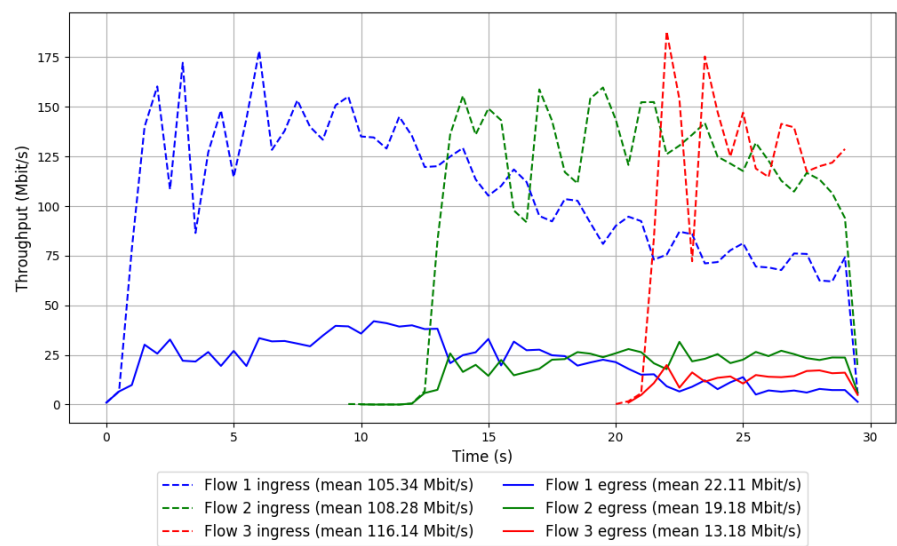


Run 5: Statistics of Indigo

Start at: 2017-10-12 08:06:28
End at: 2017-10-12 08:06:58
Local clock offset: 0.591 ms
Remote clock offset: -3.741 ms

Below is generated by plot.py at 2017-10-12 10:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 87.938 ms
Loss rate: 81.73%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 87.970 ms
Loss rate: 79.02%
-- Flow 2:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 82.29%
-- Flow 3:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 88.65%

Run 5: Report of Indigo — Data Link

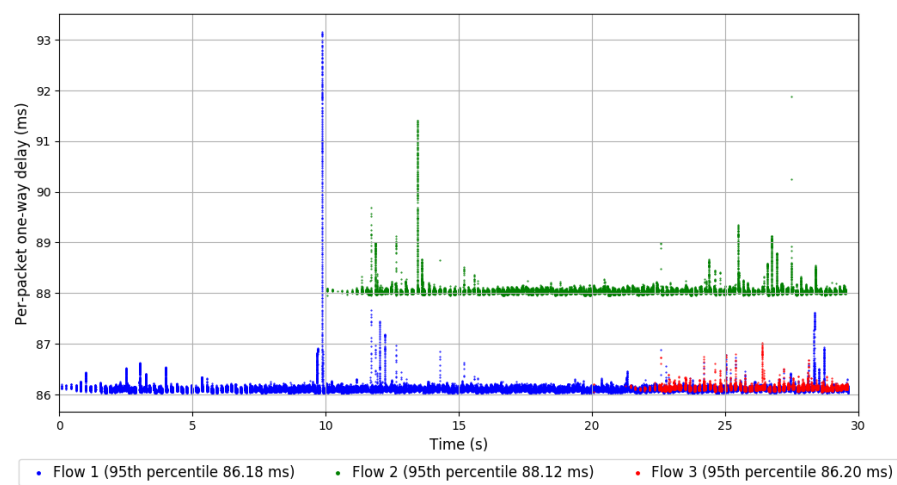
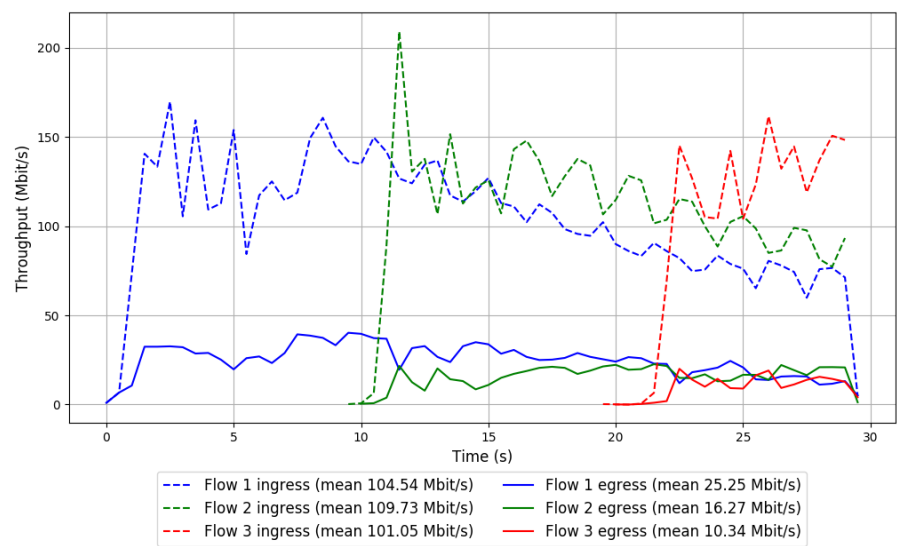


Run 6: Statistics of Indigo

Start at: 2017-10-12 08:24:46
End at: 2017-10-12 08:25:16
Local clock offset: 0.672 ms
Remote clock offset: -3.386 ms

Below is generated by plot.py at 2017-10-12 10:14:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 88.063 ms
Loss rate: 81.23%
-- Flow 1:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 86.180 ms
Loss rate: 75.85%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 88.124 ms
Loss rate: 85.18%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 86.203 ms
Loss rate: 89.77%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-10-12 08:43:02

End at: 2017-10-12 08:43:32

Local clock offset: 0.672 ms

Remote clock offset: -3.56 ms

Below is generated by plot.py at 2017-10-12 10:14:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 85.542 ms

Loss rate: 80.43%

-- Flow 1:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: 85.577 ms

Loss rate: 76.55%

-- Flow 2:

Average throughput: 17.11 Mbit/s

95th percentile per-packet one-way delay: 85.178 ms

Loss rate: 84.31%

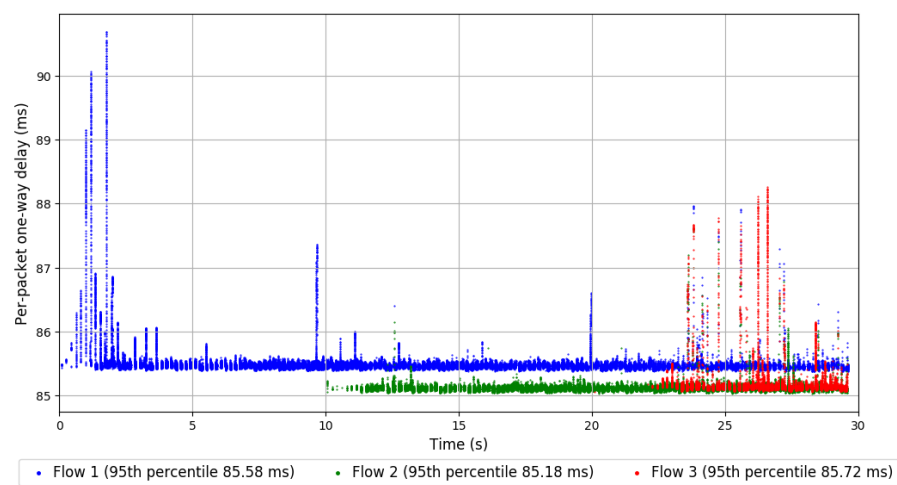
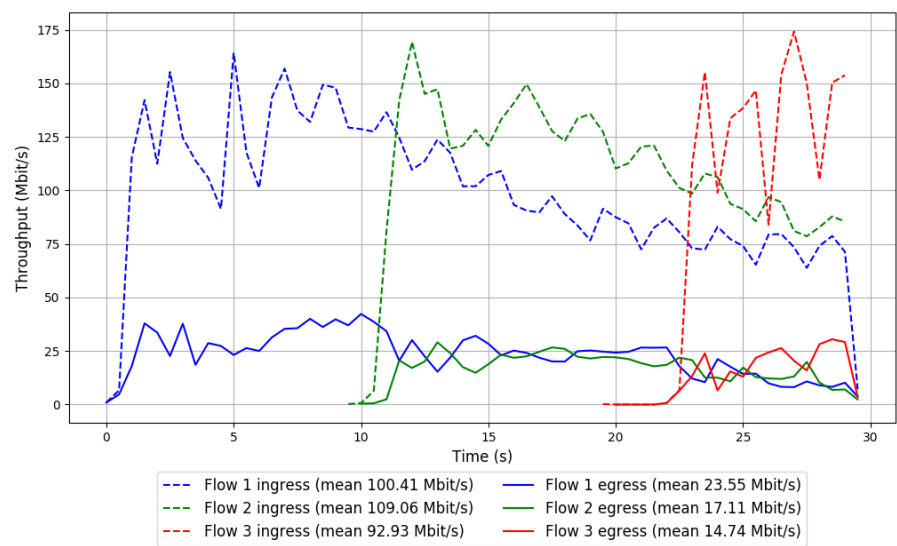
-- Flow 3:

Average throughput: 14.74 Mbit/s

95th percentile per-packet one-way delay: 85.716 ms

Loss rate: 84.14%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-10-12 09:01:22

End at: 2017-10-12 09:01:52

Local clock offset: 0.645 ms

Remote clock offset: -2.66 ms

Below is generated by plot.py at 2017-10-12 10:14:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 86.241 ms

Loss rate: 83.01%

-- Flow 1:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 86.289 ms

Loss rate: 79.77%

-- Flow 2:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 85.945 ms

Loss rate: 85.69%

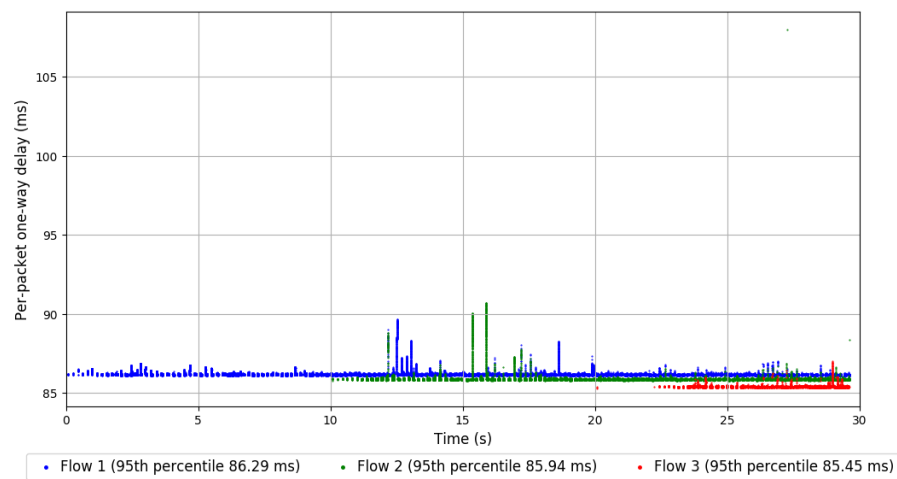
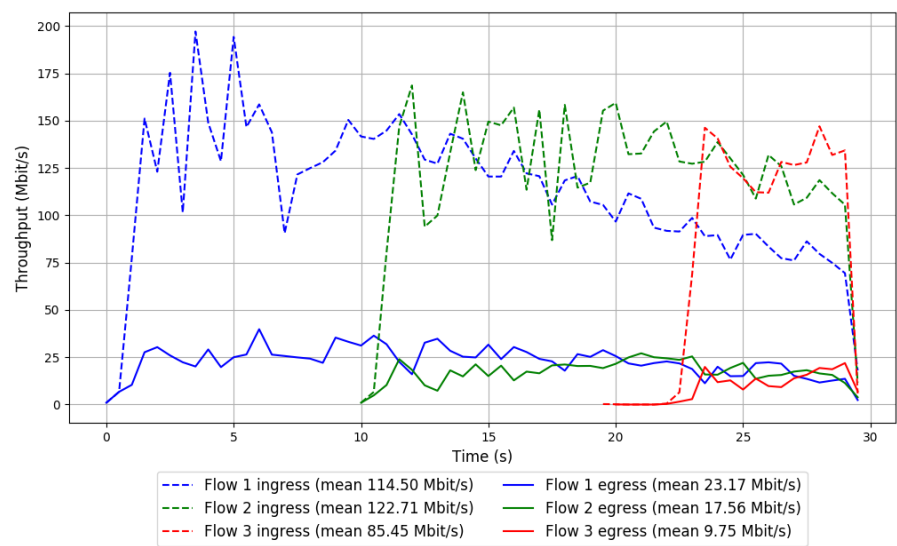
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 85.451 ms

Loss rate: 88.60%

Run 8: Report of Indigo — Data Link

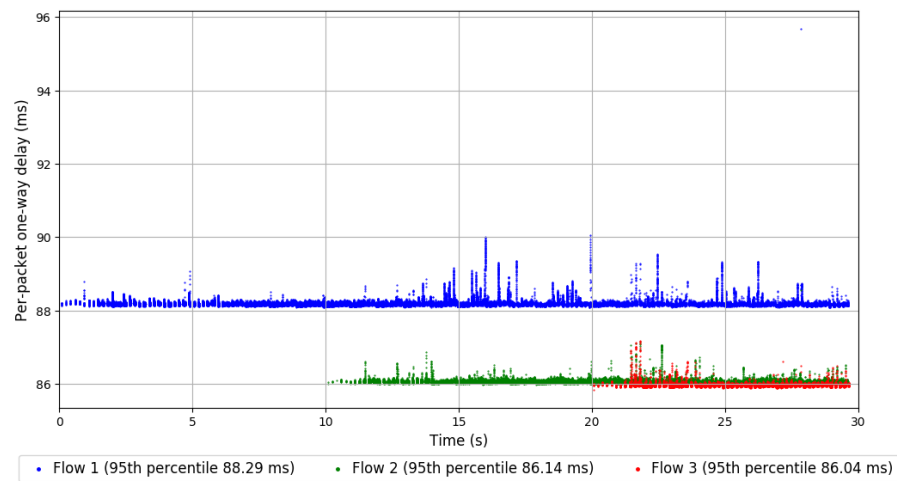
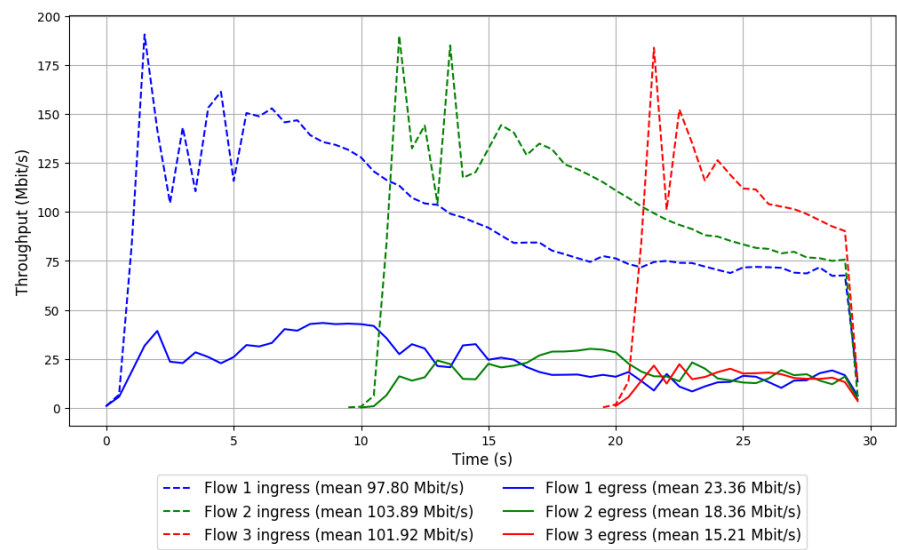


Run 9: Statistics of Indigo

Start at: 2017-10-12 09:19:43
End at: 2017-10-12 09:20:13
Local clock offset: 0.66 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2017-10-12 10:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 88.241 ms
Loss rate: 79.74%
-- Flow 1:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 88.286 ms
Loss rate: 76.11%
-- Flow 2:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 82.33%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 86.038 ms
Loss rate: 85.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-10-12 09:37:51
End at: 2017-10-12 09:38:21
Local clock offset: 0.706 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2017-10-12 10:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 86.096 ms
Loss rate: 80.88%
-- Flow 1:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 85.590 ms
Loss rate: 75.67%
-- Flow 2:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 86.138 ms
Loss rate: 83.96%
-- Flow 3:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 85.551 ms
Loss rate: 88.07%

Run 10: Report of Indigo — Data Link

