

## Pantheon Report

Generated at 2017-08-11 13:29:00 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 15 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).

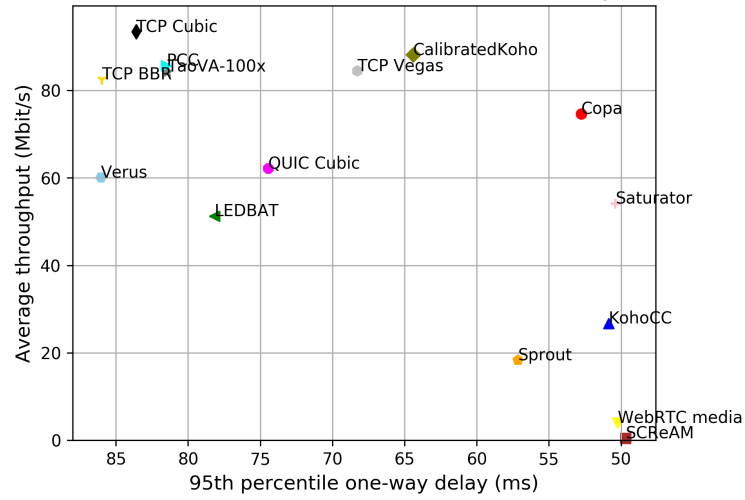
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

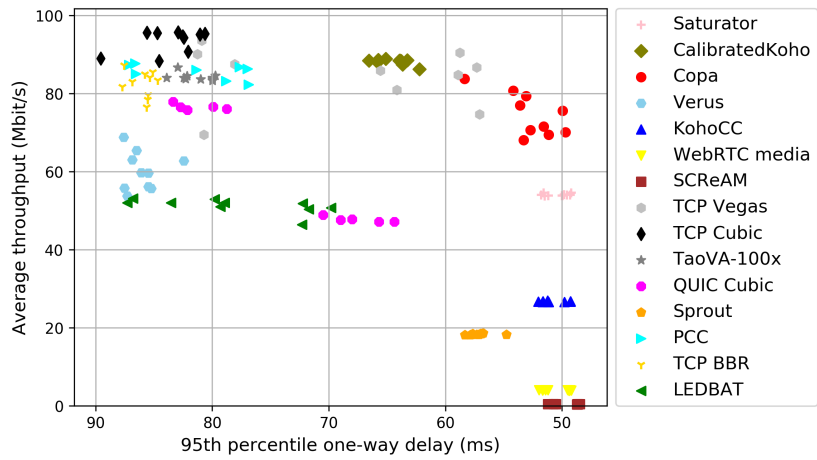
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



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





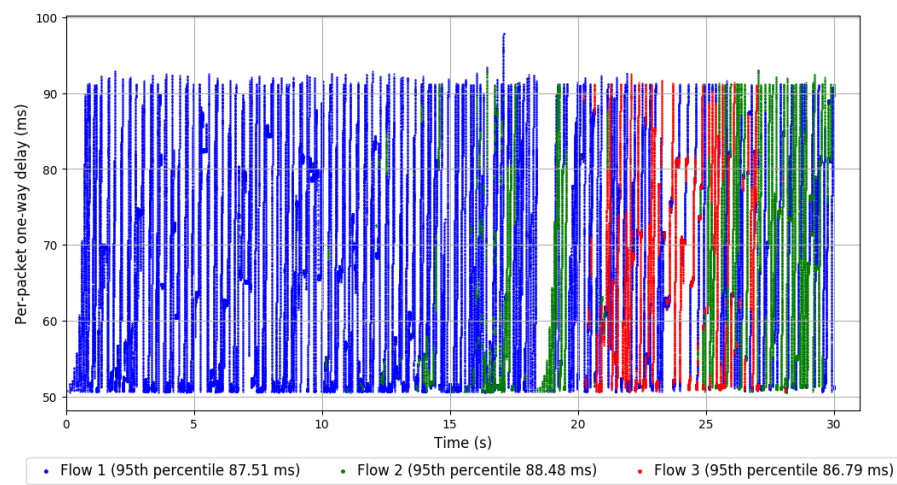
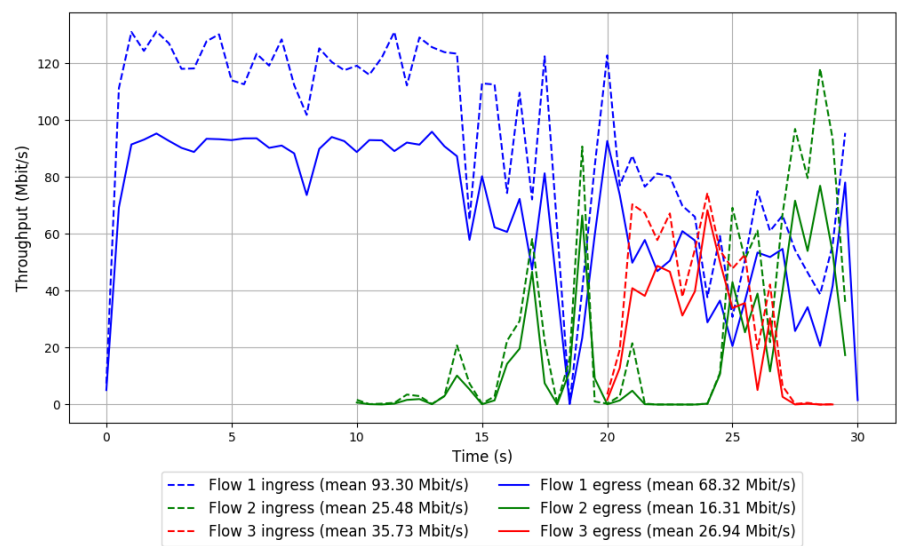
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	71.52	13.68	6.85	85.93	86.35	78.53	27.44	31.16	44.88
CalibratedKoho	10	83.98	4.15	4.29	64.37	64.33	64.55	0.05	0.05	0.03
Copa	10	46.05	31.10	24.03	51.60	53.58	59.25	0.08	0.12	0.27
TCP Cubic	10	66.08	27.05	28.28	83.24	83.69	82.19	0.42	0.70	0.72
KohoCC	10	13.48	13.41	13.12	50.84	50.64	50.93	0.02	0.01	0.01
LEDBAT	10	32.88	22.61	10.17	77.34	78.87	79.29	0.09	0.13	0.18
PCC	8	74.22	10.72	12.67	81.24	82.63	76.74	4.91	4.18	2.10
QUIC Cubic	10	24.09	45.74	23.57	64.74	74.69	74.94	0.81	2.13	1.54
Saturator	10	27.25	26.98	26.80	50.06	50.59	50.37	0.03	0.03	0.01
SCReAM	10	0.22	0.22	0.22	49.53	49.61	49.61	0.04	0.07	0.12
Sprout	10	9.24	9.21	9.03	56.94	57.22	57.53	0.09	0.09	0.08
TaoVA-100x	10	51.14	37.58	25.91	79.73	83.14	80.17	11.61	20.07	25.13
TCP Vegas	10	55.38	29.35	28.70	68.16	64.14	64.43	0.88	0.36	0.29
Verus	10	39.60	25.31	12.72	85.74	86.03	85.84	32.79	35.47	44.51
WebRTC media	10	2.24	1.31	0.44	50.20	50.08	50.62	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-08-11 09:20:40  
End at: 2017-08-11 09:21:10  
Local clock offset: 0.063 ms  
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2017-08-11 13:17:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.29 Mbit/s  
95th percentile per-packet one-way delay: 87.561 ms  
Loss rate: 28.17%  
-- Flow 1:  
Average throughput: 68.32 Mbit/s  
95th percentile per-packet one-way delay: 87.511 ms  
Loss rate: 26.78%  
-- Flow 2:  
Average throughput: 16.31 Mbit/s  
95th percentile per-packet one-way delay: 88.485 ms  
Loss rate: 35.93%  
-- Flow 3:  
Average throughput: 26.94 Mbit/s  
95th percentile per-packet one-way delay: 86.787 ms  
Loss rate: 28.03%

Run 1: Report of TCP BBR — Data Link

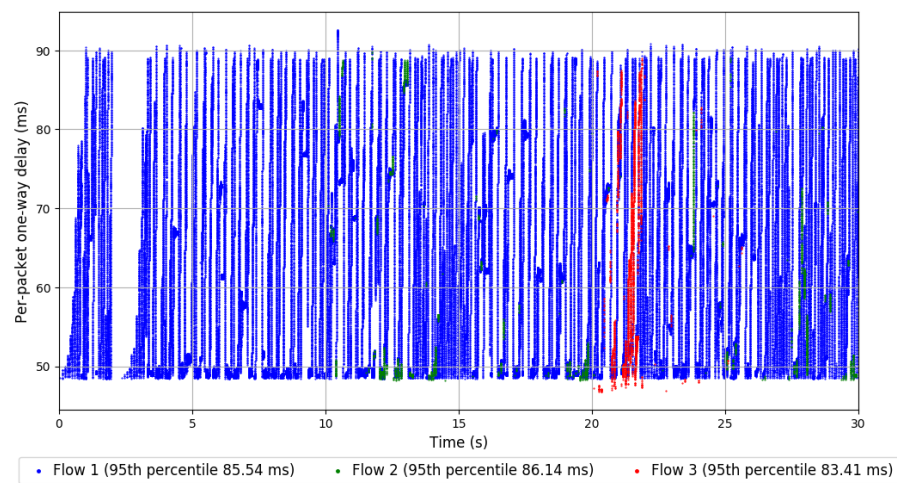
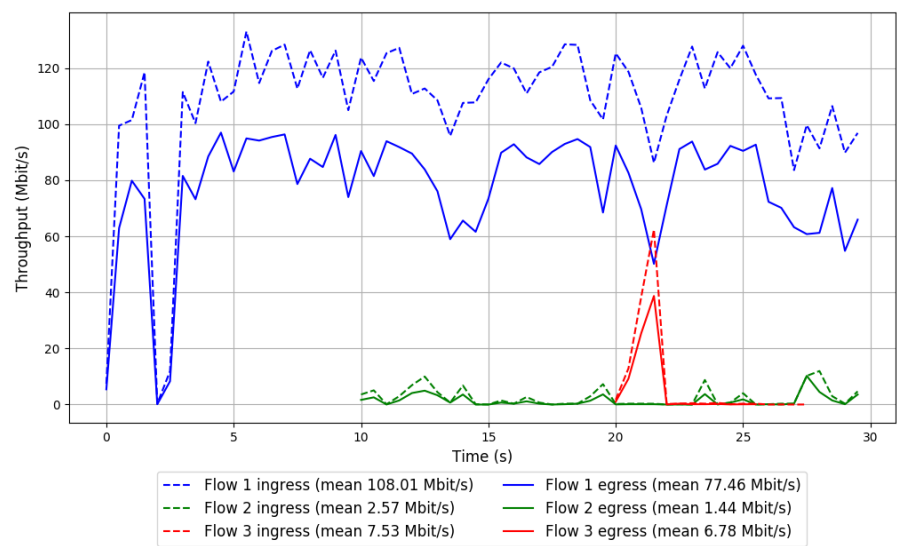


Run 2: Statistics of TCP BBR

Start at: 2017-08-11 09:41:38  
End at: 2017-08-11 09:42:08  
Local clock offset: 0.193 ms  
Remote clock offset: -2.763 ms

# Below is generated by plot.py at 2017-08-11 13:17:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.68 Mbit/s  
95th percentile per-packet one-way delay: 85.510 ms  
Loss rate: 28.63%  
-- Flow 1:  
Average throughput: 77.46 Mbit/s  
95th percentile per-packet one-way delay: 85.537 ms  
Loss rate: 28.25%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 86.144 ms  
Loss rate: 44.10%  
-- Flow 3:  
Average throughput: 6.78 Mbit/s  
95th percentile per-packet one-way delay: 83.413 ms  
Loss rate: 36.16%

Run 2: Report of TCP BBR — Data Link

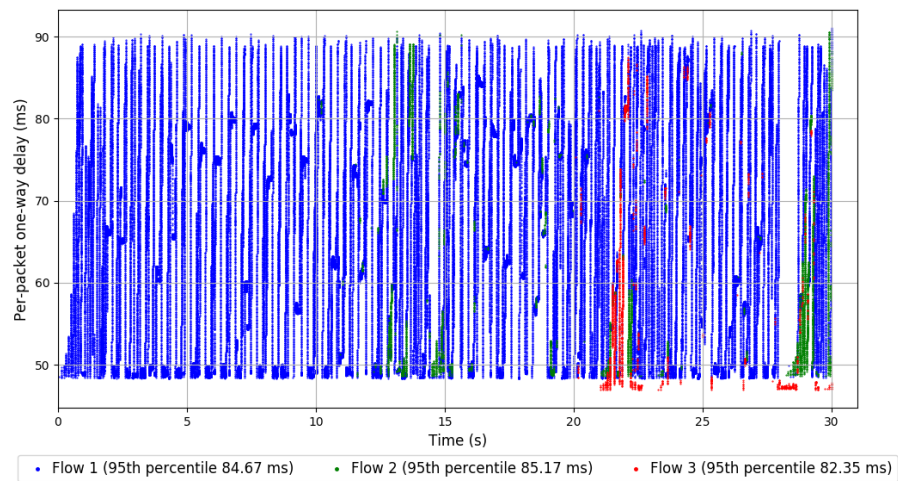
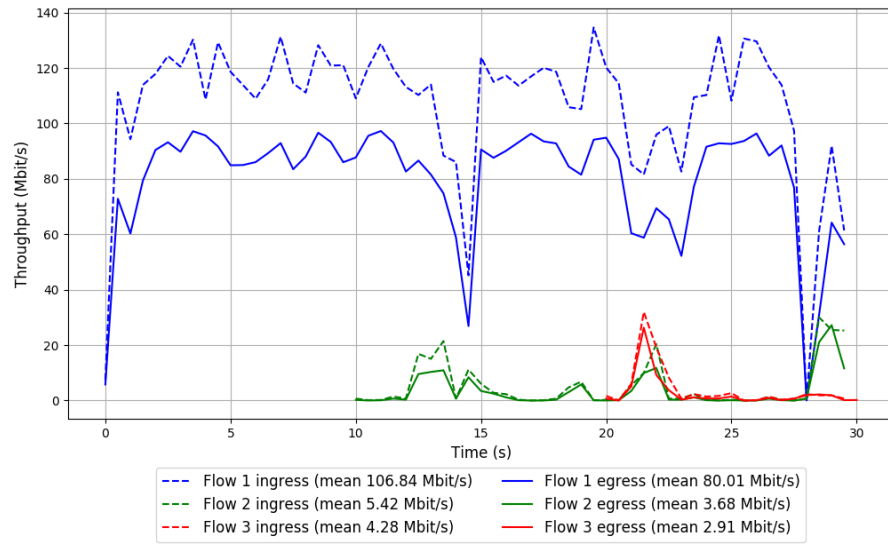


Run 3: Statistics of TCP BBR

Start at: 2017-08-11 10:02:33  
End at: 2017-08-11 10:03:03  
Local clock offset: 0.13 ms  
Remote clock offset: -3.162 ms

# Below is generated by plot.py at 2017-08-11 13:17:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.39 Mbit/s  
95th percentile per-packet one-way delay: 84.667 ms  
Loss rate: 25.37%  
-- Flow 1:  
Average throughput: 80.01 Mbit/s  
95th percentile per-packet one-way delay: 84.672 ms  
Loss rate: 25.04%  
-- Flow 2:  
Average throughput: 3.68 Mbit/s  
95th percentile per-packet one-way delay: 85.167 ms  
Loss rate: 32.26%  
-- Flow 3:  
Average throughput: 2.91 Mbit/s  
95th percentile per-packet one-way delay: 82.346 ms  
Loss rate: 32.33%

### Run 3: Report of TCP BBR — Data Link



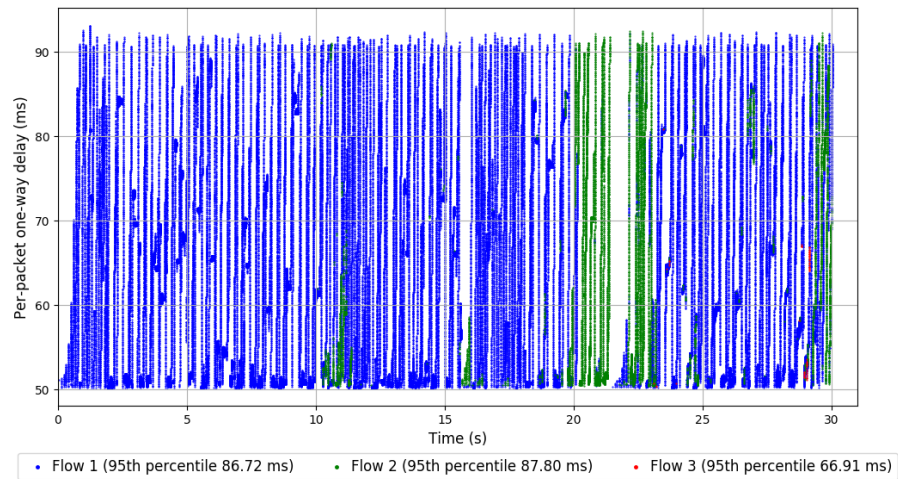
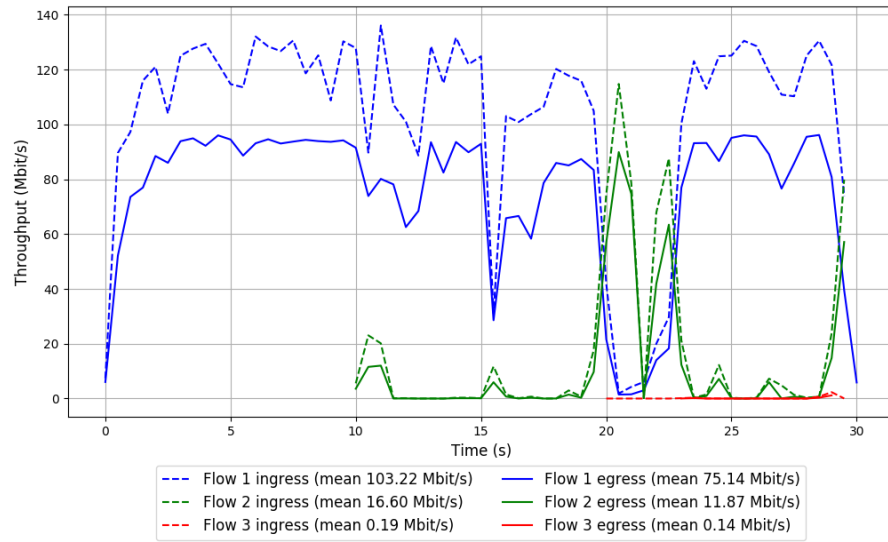
Run 4: Statistics of TCP BBR

Start at: 2017-08-11 10:23:33  
End at: 2017-08-11 10:24:03  
Local clock offset: 0.283 ms  
Remote clock offset: -1.559 ms

# Below is generated by plot.py at 2017-08-11 13:17:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.06 Mbit/s  
95th percentile per-packet one-way delay: 86.856 ms  
Loss rate: 27.30%  
-- Flow 1:  
Average throughput: 75.14 Mbit/s  
95th percentile per-packet one-way delay: 86.724 ms  
Loss rate: 27.15%  
-- Flow 2:  
Average throughput: 11.87 Mbit/s  
95th percentile per-packet one-way delay: 87.801 ms  
Loss rate: 28.59%  
-- Flow 3:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 66.907 ms  
Loss rate: 54.63%



#### Run 4: Report of TCP BBR — Data Link

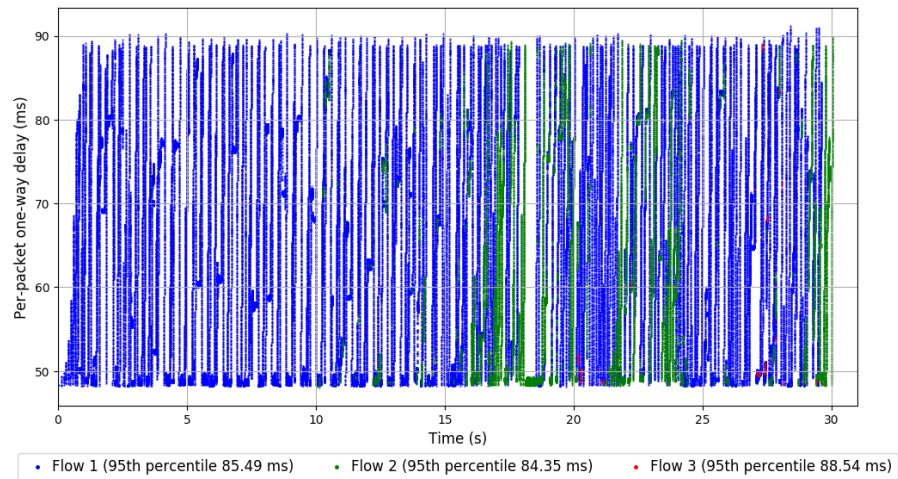
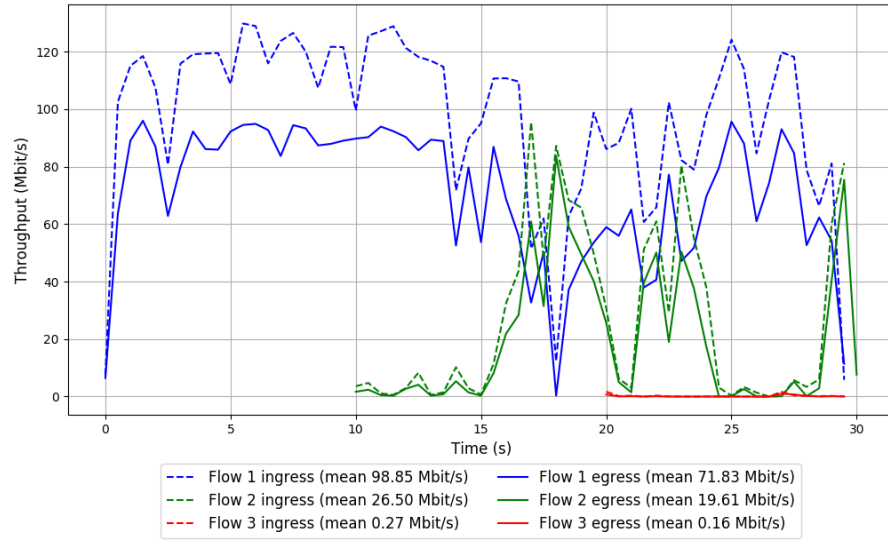


Run 5: Statistics of TCP BBR

Start at: 2017-08-11 10:44:32  
End at: 2017-08-11 10:45:02  
Local clock offset: 0.3 ms  
Remote clock offset: -3.788 ms

# Below is generated by plot.py at 2017-08-11 13:17:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.11 Mbit/s  
95th percentile per-packet one-way delay: 85.370 ms  
Loss rate: 27.31%  
-- Flow 1:  
Average throughput: 71.83 Mbit/s  
95th percentile per-packet one-way delay: 85.486 ms  
Loss rate: 27.54%  
-- Flow 2:  
Average throughput: 19.61 Mbit/s  
95th percentile per-packet one-way delay: 84.347 ms  
Loss rate: 25.94%  
-- Flow 3:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 88.544 ms  
Loss rate: 40.05%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-08-11 11:05:29

End at: 2017-08-11 11:05:59

Local clock offset: 0.309 ms

Remote clock offset: -1.42 ms

# Below is generated by plot.py at 2017-08-11 13:17:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.74 Mbit/s

95th percentile per-packet one-way delay: 87.718 ms

Loss rate: 26.82%

-- Flow 1:

Average throughput: 69.21 Mbit/s

95th percentile per-packet one-way delay: 87.496 ms

Loss rate: 26.81%

-- Flow 2:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 87.725 ms

Loss rate: 21.81%

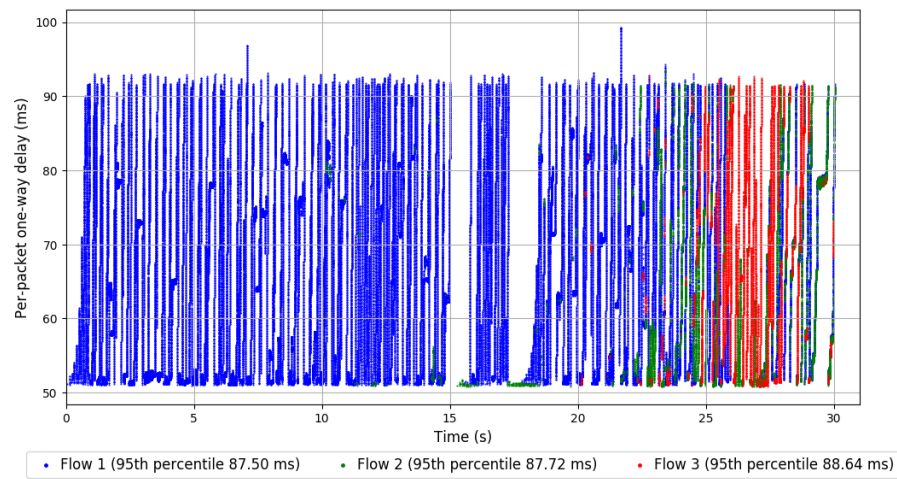
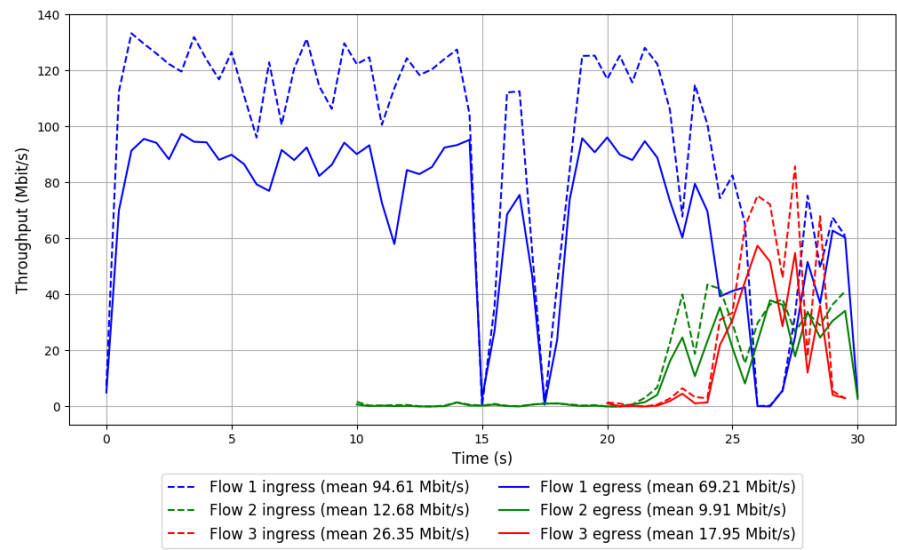
-- Flow 3:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 88.638 ms

Loss rate: 31.72%

Run 6: Report of TCP BBR — Data Link

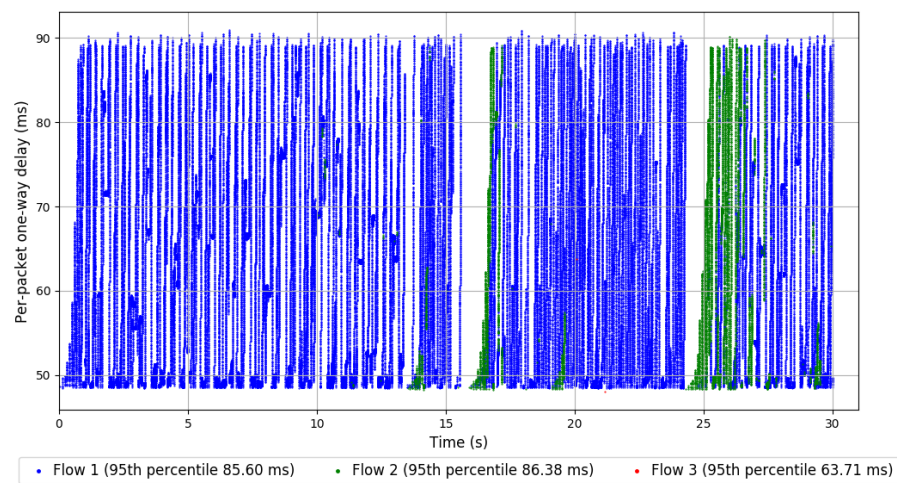
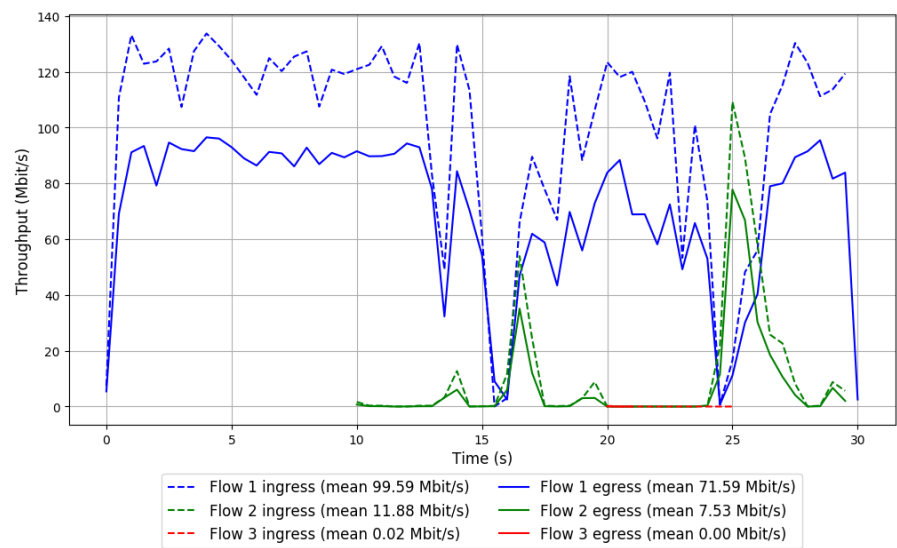


Run 7: Statistics of TCP BBR

Start at: 2017-08-11 11:26:30  
End at: 2017-08-11 11:27:00  
Local clock offset: 0.481 ms  
Remote clock offset: -3.718 ms

# Below is generated by plot.py at 2017-08-11 13:17:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.58 Mbit/s  
95th percentile per-packet one-way delay: 85.617 ms  
Loss rate: 28.74%  
-- Flow 1:  
Average throughput: 71.59 Mbit/s  
95th percentile per-packet one-way delay: 85.598 ms  
Loss rate: 28.11%  
-- Flow 2:  
Average throughput: 7.53 Mbit/s  
95th percentile per-packet one-way delay: 86.383 ms  
Loss rate: 36.63%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 63.711 ms  
Loss rate: 98.84%

Run 7: Report of TCP BBR — Data Link



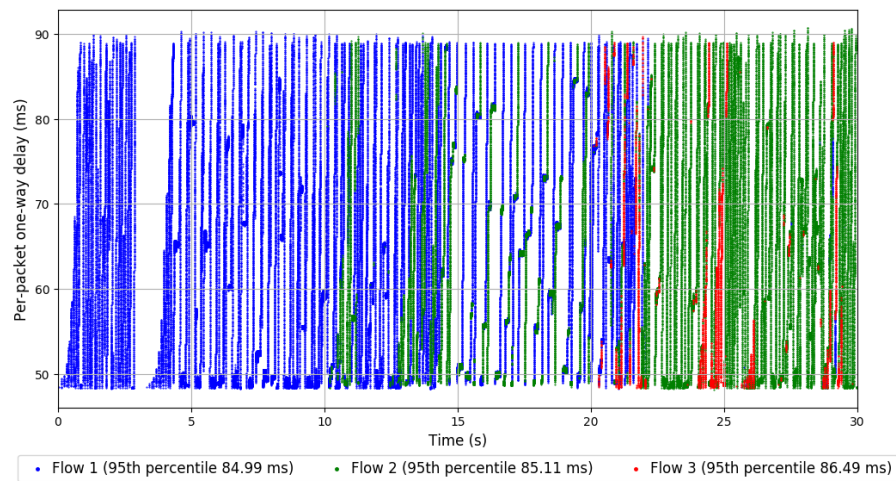
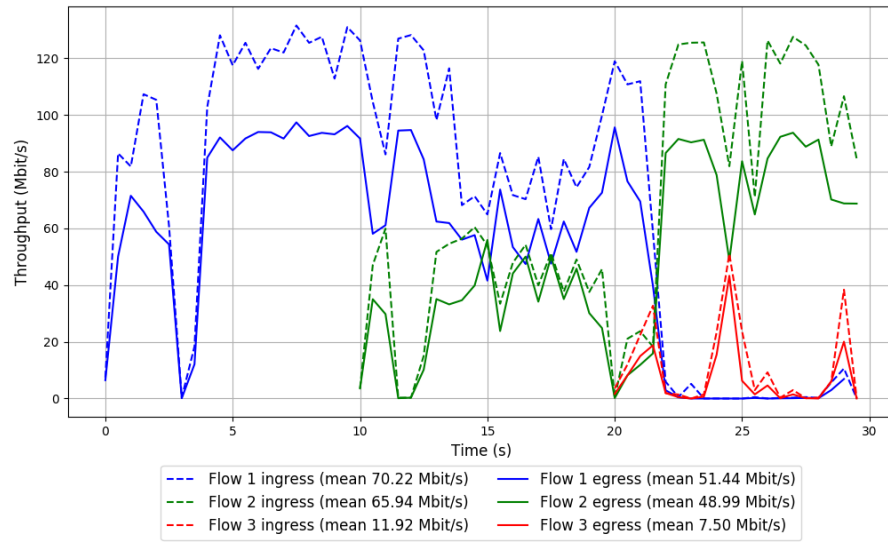
Run 8: Statistics of TCP BBR

Start at: 2017-08-11 11:47:32  
End at: 2017-08-11 11:48:02  
Local clock offset: 0.484 ms  
Remote clock offset: -3.302 ms

# Below is generated by plot.py at 2017-08-11 13:17:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.57 Mbit/s  
95th percentile per-packet one-way delay: 85.110 ms  
Loss rate: 27.37%  
-- Flow 1:  
Average throughput: 51.44 Mbit/s  
95th percentile per-packet one-way delay: 84.986 ms  
Loss rate: 27.76%  
-- Flow 2:  
Average throughput: 48.99 Mbit/s  
95th percentile per-packet one-way delay: 85.109 ms  
Loss rate: 25.83%  
-- Flow 3:  
Average throughput: 7.50 Mbit/s  
95th percentile per-packet one-way delay: 86.489 ms  
Loss rate: 37.78%



## Run 8: Report of TCP BBR — Data Link

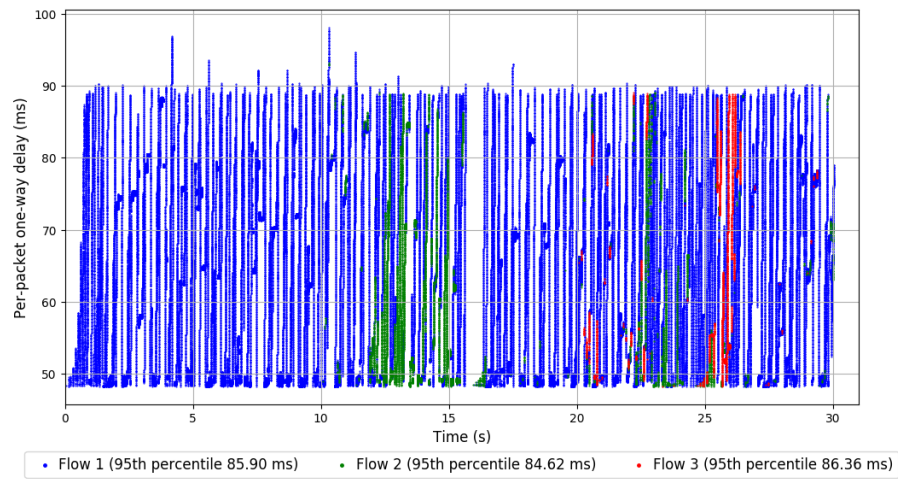
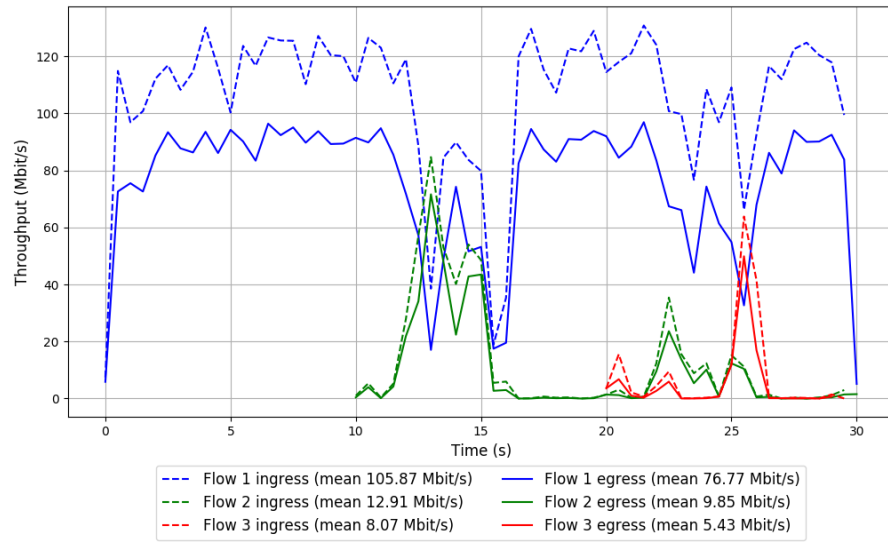


Run 9: Statistics of TCP BBR

Start at: 2017-08-11 12:08:32  
End at: 2017-08-11 12:09:02  
Local clock offset: 0.524 ms  
Remote clock offset: -2.735 ms

# Below is generated by plot.py at 2017-08-11 13:17:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.00 Mbit/s  
95th percentile per-packet one-way delay: 85.781 ms  
Loss rate: 27.32%  
-- Flow 1:  
Average throughput: 76.77 Mbit/s  
95th percentile per-packet one-way delay: 85.899 ms  
Loss rate: 27.42%  
-- Flow 2:  
Average throughput: 9.85 Mbit/s  
95th percentile per-packet one-way delay: 84.625 ms  
Loss rate: 23.60%  
-- Flow 3:  
Average throughput: 5.43 Mbit/s  
95th percentile per-packet one-way delay: 86.357 ms  
Loss rate: 35.67%

# Run 9: Report of TCP BBR — Data Link

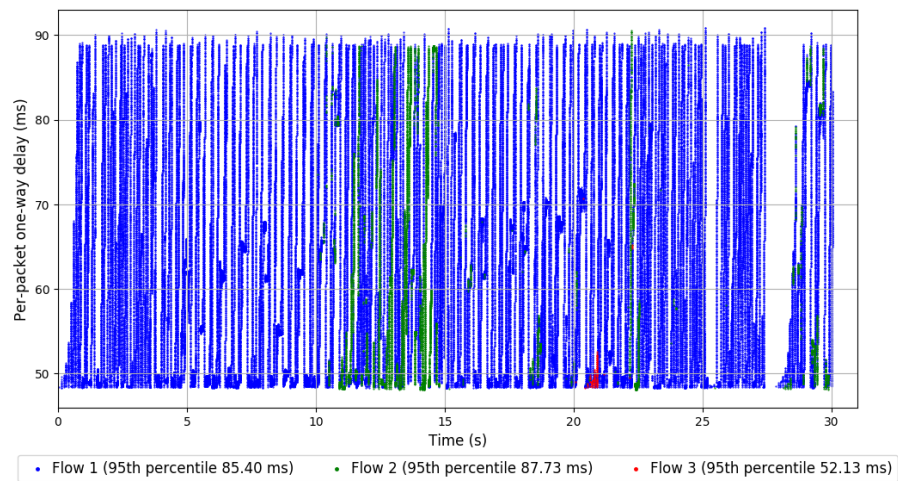
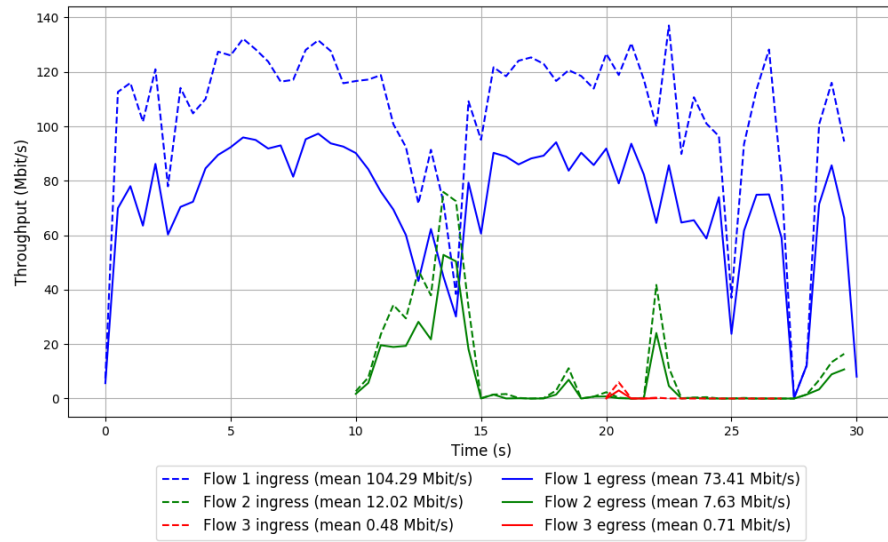


Run 10: Statistics of TCP BBR

Start at: 2017-08-11 12:29:41  
End at: 2017-08-11 12:30:11  
Local clock offset: 0.572 ms  
Remote clock offset: -2.316 ms

# Below is generated by plot.py at 2017-08-11 13:18:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.49 Mbit/s  
95th percentile per-packet one-way delay: 85.547 ms  
Loss rate: 30.09%  
-- Flow 1:  
Average throughput: 73.41 Mbit/s  
95th percentile per-packet one-way delay: 85.402 ms  
Loss rate: 29.54%  
-- Flow 2:  
Average throughput: 7.63 Mbit/s  
95th percentile per-packet one-way delay: 87.732 ms  
Loss rate: 36.92%  
-- Flow 3:  
Average throughput: 0.71 Mbit/s  
95th percentile per-packet one-way delay: 52.133 ms  
Loss rate: 53.54%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: 2017-08-11 09:12:20

End at: 2017-08-11 09:12:50

Local clock offset: 0.183 ms

Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2017-08-11 13:18:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.08 Mbit/s

95th percentile per-packet one-way delay: 65.830 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 85.95 Mbit/s

95th percentile per-packet one-way delay: 65.832 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 64.795 ms

Loss rate: 0.00%

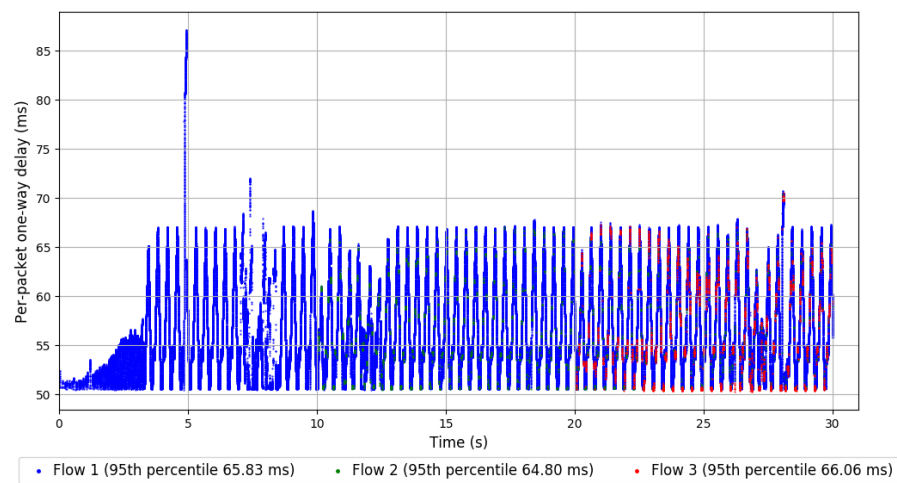
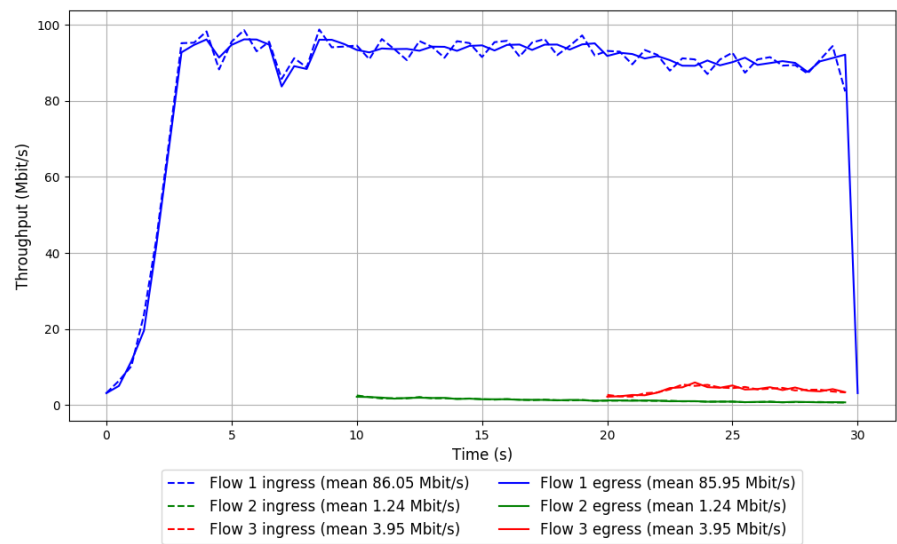
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 66.065 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-08-11 09:33:18

End at: 2017-08-11 09:33:48

Local clock offset: 0.065 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2017-08-11 13:18:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 66.558 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 66.576 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 66.513 ms

Loss rate: 0.00%

-- Flow 3:

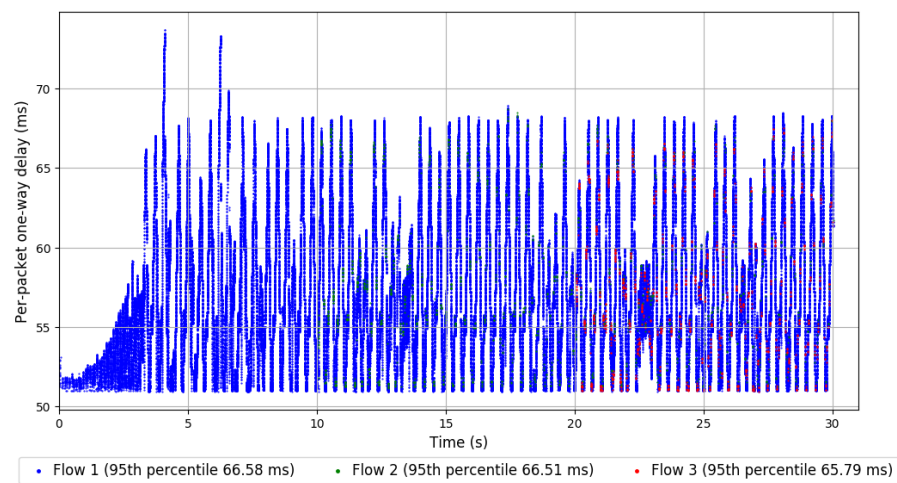
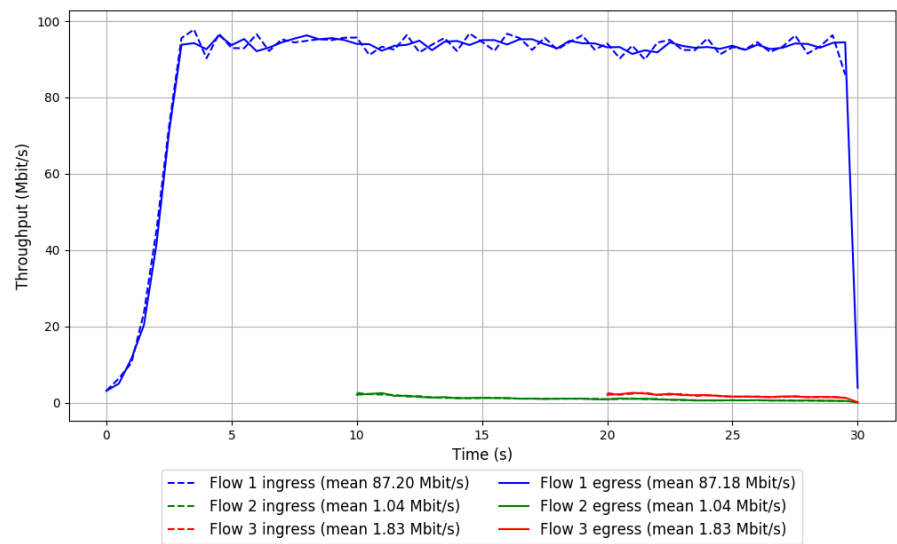
Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 65.794 ms

Loss rate: 0.00%



Run 2: Report of CalibratedKoho — Data Link

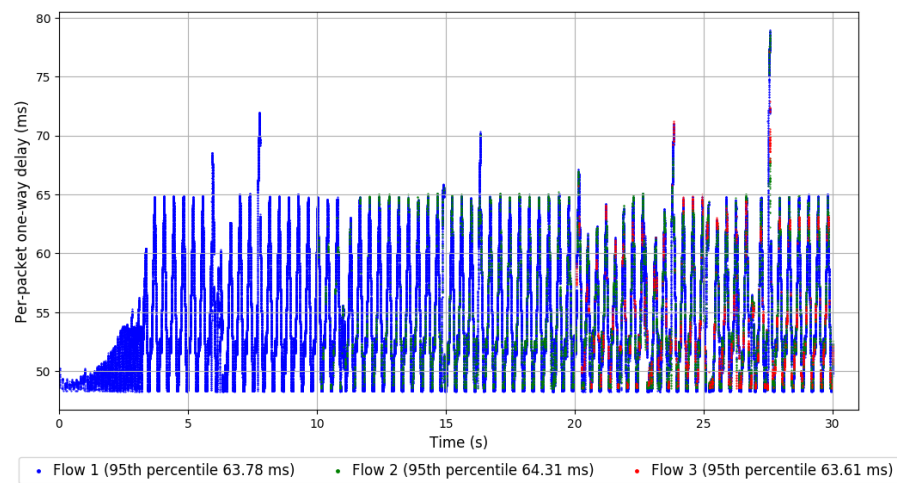
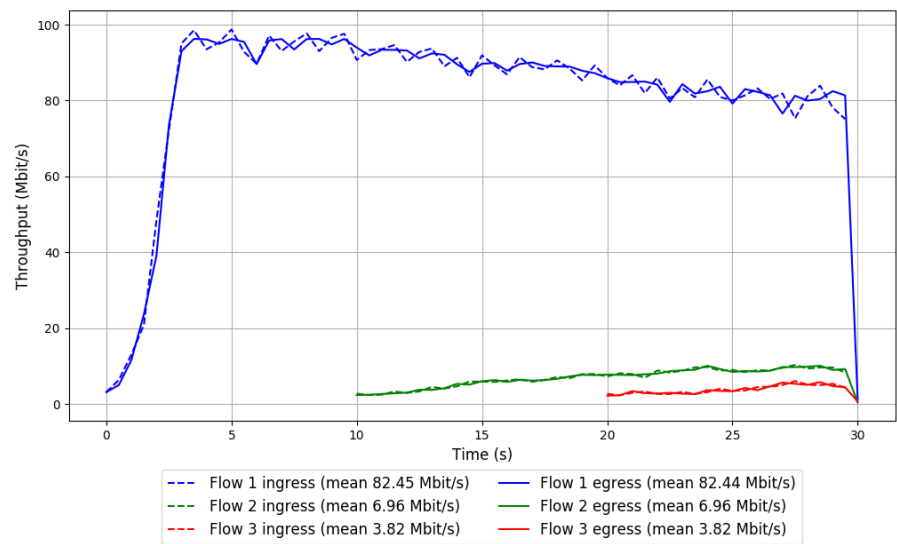


Run 3: Statistics of CalibratedKoho

Start at: 2017-08-11 09:54:14  
End at: 2017-08-11 09:54:44  
Local clock offset: 0.199 ms  
Remote clock offset: -3.003 ms

# Below is generated by plot.py at 2017-08-11 13:18:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.34 Mbit/s  
95th percentile per-packet one-way delay: 63.802 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 82.44 Mbit/s  
95th percentile per-packet one-way delay: 63.785 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.96 Mbit/s  
95th percentile per-packet one-way delay: 64.308 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 3.82 Mbit/s  
95th percentile per-packet one-way delay: 63.614 ms  
Loss rate: 0.00%

Run 3: Report of CalibratedKoho — Data Link

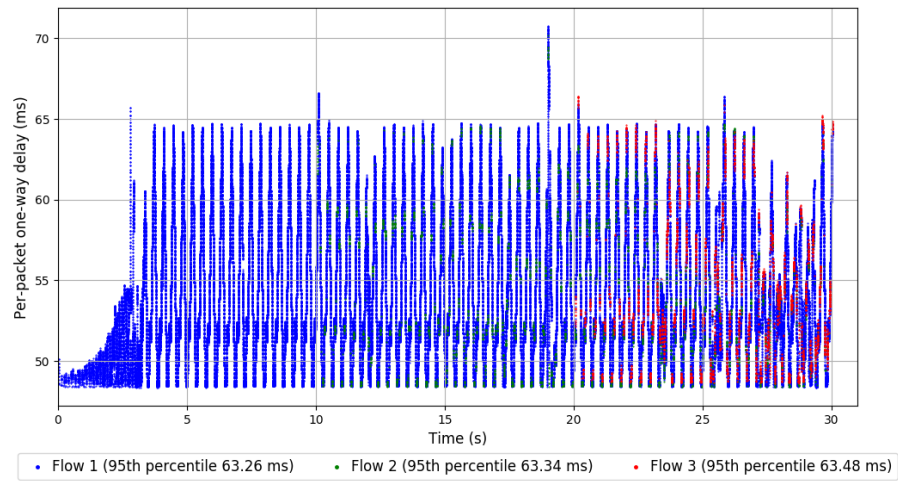
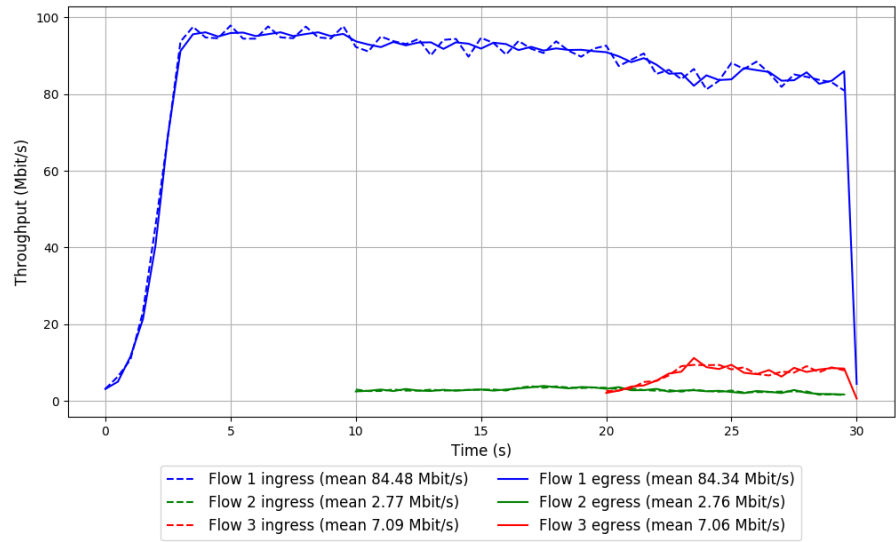


Run 4: Statistics of CalibratedKoho

Start at: 2017-08-11 10:15:12  
End at: 2017-08-11 10:15:42  
Local clock offset: 0.172 ms  
Remote clock offset: -3.337 ms

# Below is generated by plot.py at 2017-08-11 13:18:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.53 Mbit/s  
95th percentile per-packet one-way delay: 63.275 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 84.34 Mbit/s  
95th percentile per-packet one-way delay: 63.258 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 2.76 Mbit/s  
95th percentile per-packet one-way delay: 63.338 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 7.06 Mbit/s  
95th percentile per-packet one-way delay: 63.484 ms  
Loss rate: 0.31%

#### Run 4: Report of CalibratedKoho — Data Link

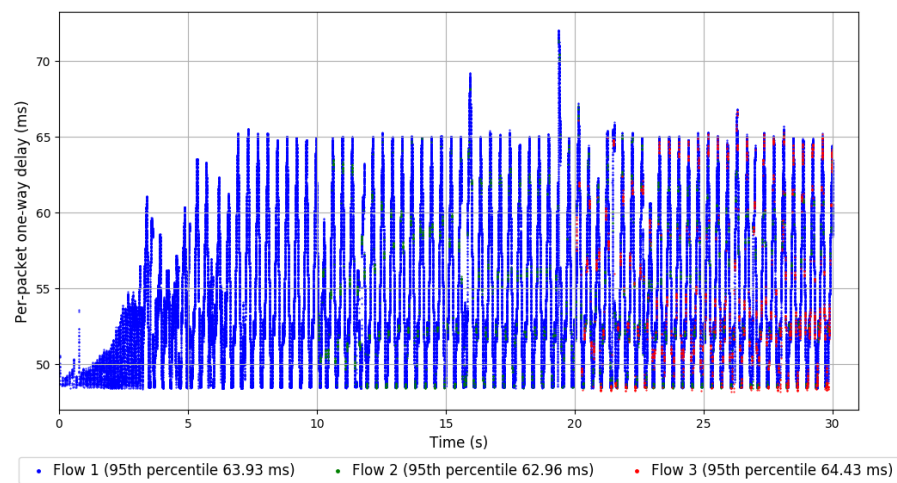
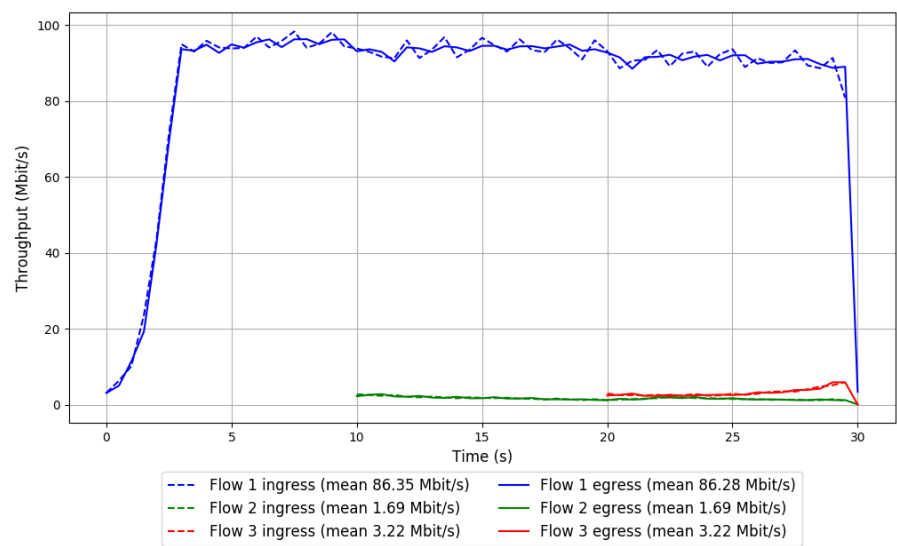


Run 5: Statistics of CalibratedKoho

Start at: 2017-08-11 10:36:12  
End at: 2017-08-11 10:36:42  
Local clock offset: 0.362 ms  
Remote clock offset: -3.744 ms

# Below is generated by plot.py at 2017-08-11 13:18:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.47 Mbit/s  
95th percentile per-packet one-way delay: 63.937 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 86.28 Mbit/s  
95th percentile per-packet one-way delay: 63.931 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 1.69 Mbit/s  
95th percentile per-packet one-way delay: 62.961 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 3.22 Mbit/s  
95th percentile per-packet one-way delay: 64.434 ms  
Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



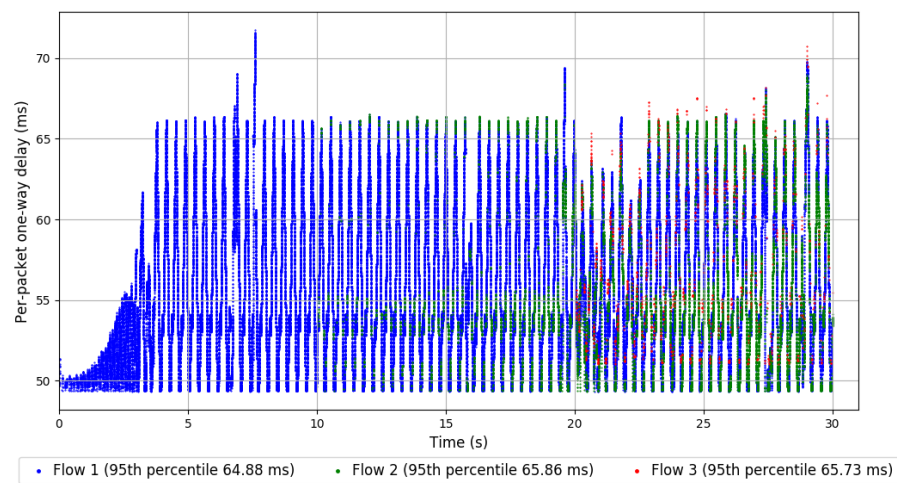
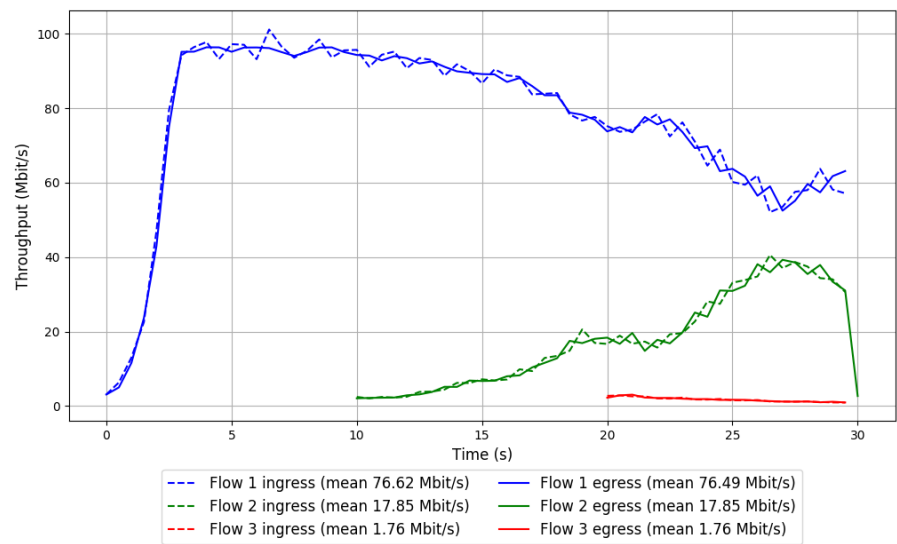
Run 6: Statistics of CalibratedKoho

Start at: 2017-08-11 10:57:10  
End at: 2017-08-11 10:57:40  
Local clock offset: 0.389 ms  
Remote clock offset: -1.367 ms

# Below is generated by plot.py at 2017-08-11 13:18:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.91 Mbit/s  
95th percentile per-packet one-way delay: 65.108 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 76.49 Mbit/s  
95th percentile per-packet one-way delay: 64.876 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 17.85 Mbit/s  
95th percentile per-packet one-way delay: 65.855 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 1.76 Mbit/s  
95th percentile per-packet one-way delay: 65.730 ms  
Loss rate: 0.00%



Run 6: Report of CalibratedKoho — Data Link

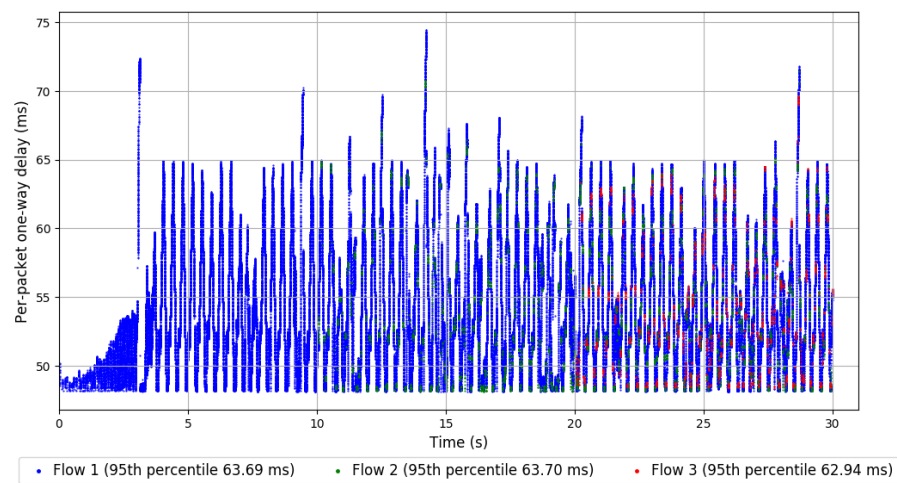
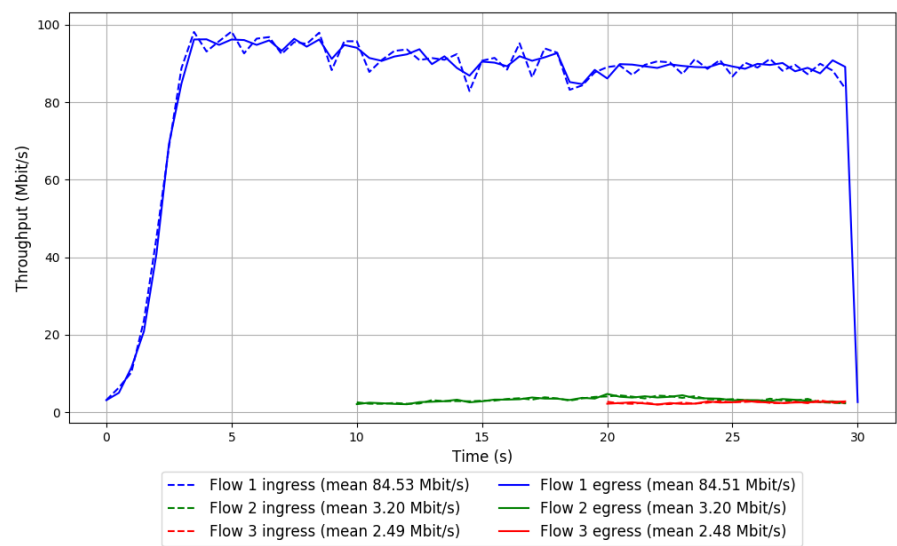


Run 7: Statistics of CalibratedKoho

Start at: 2017-08-11 11:18:09  
End at: 2017-08-11 11:18:39  
Local clock offset: 0.449 ms  
Remote clock offset: -3.884 ms

# Below is generated by plot.py at 2017-08-11 13:18:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.46 Mbit/s  
95th percentile per-packet one-way delay: 63.687 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.51 Mbit/s  
95th percentile per-packet one-way delay: 63.689 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 3.20 Mbit/s  
95th percentile per-packet one-way delay: 63.702 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 2.48 Mbit/s  
95th percentile per-packet one-way delay: 62.935 ms  
Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link

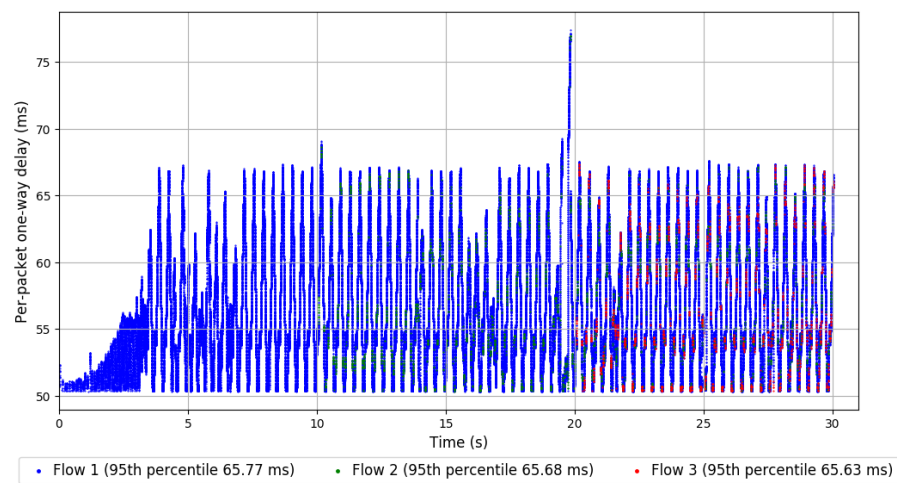
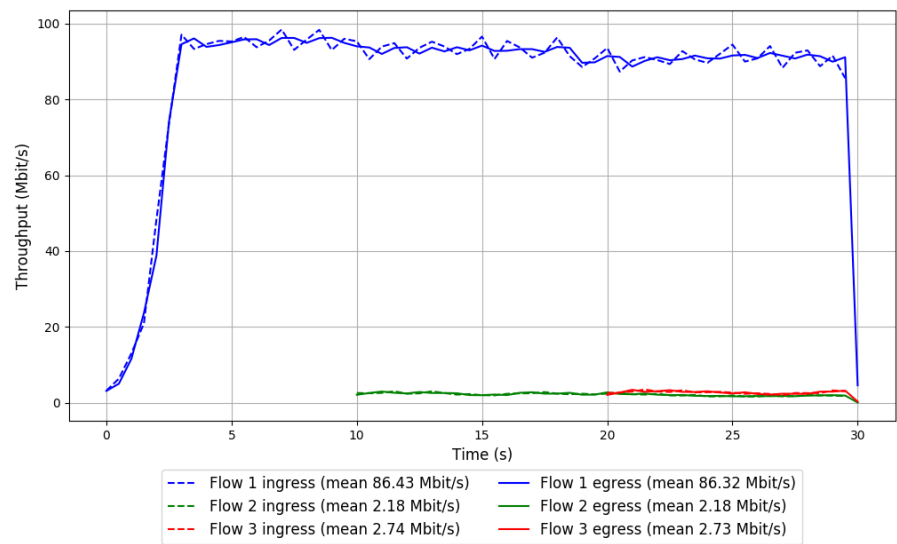


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-11 11:39:12  
End at: 2017-08-11 11:39:42  
Local clock offset: 0.443 ms  
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2017-08-11 13:18:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 65.765 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 86.32 Mbit/s  
95th percentile per-packet one-way delay: 65.766 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 65.677 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 2.73 Mbit/s  
95th percentile per-packet one-way delay: 65.631 ms  
Loss rate: 0.04%

Run 8: Report of CalibratedKoho — Data Link

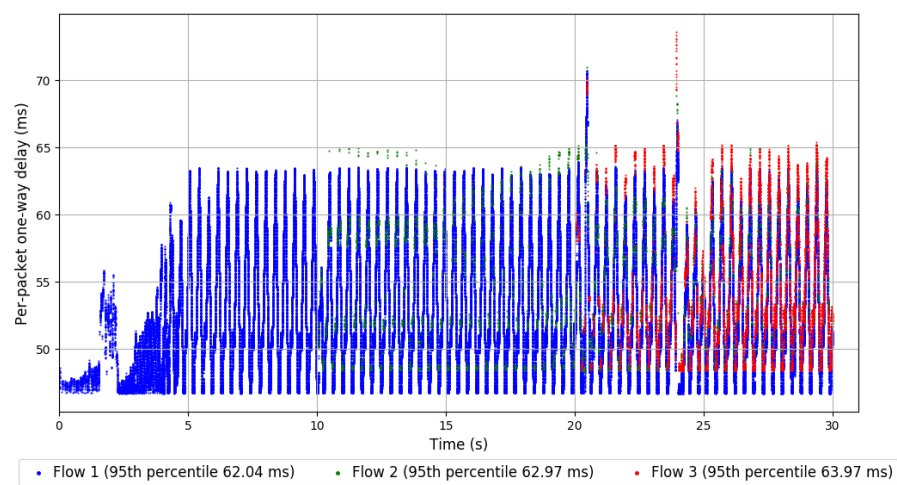
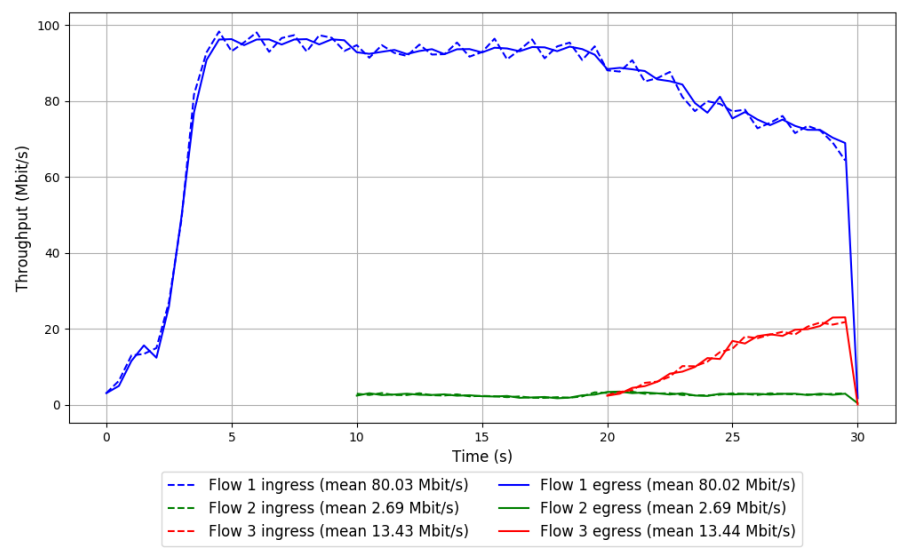


Run 9: Statistics of CalibratedKoho

Start at: 2017-08-11 12:00:12  
End at: 2017-08-11 12:00:42  
Local clock offset: 0.517 ms  
Remote clock offset: -3.128 ms

# Below is generated by plot.py at 2017-08-11 13:18:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.26 Mbit/s  
95th percentile per-packet one-way delay: 62.235 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 80.02 Mbit/s  
95th percentile per-packet one-way delay: 62.040 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 2.69 Mbit/s  
95th percentile per-packet one-way delay: 62.972 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 13.44 Mbit/s  
95th percentile per-packet one-way delay: 63.974 ms  
Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



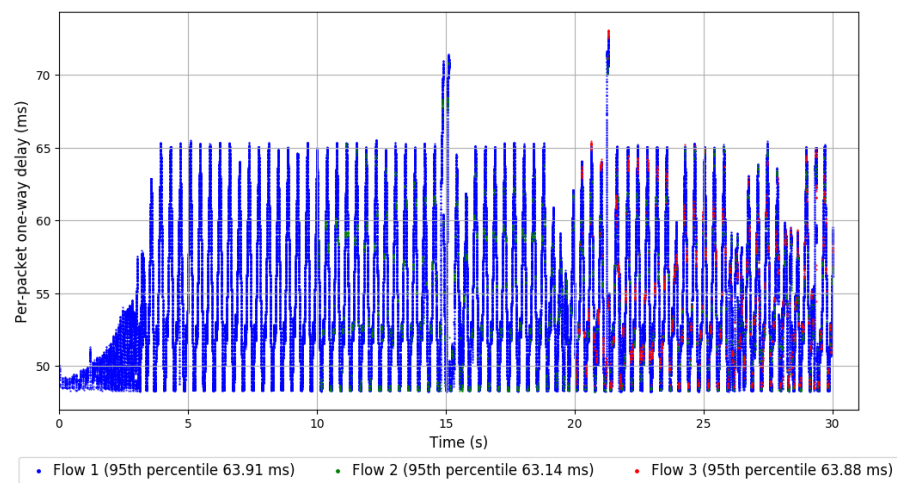
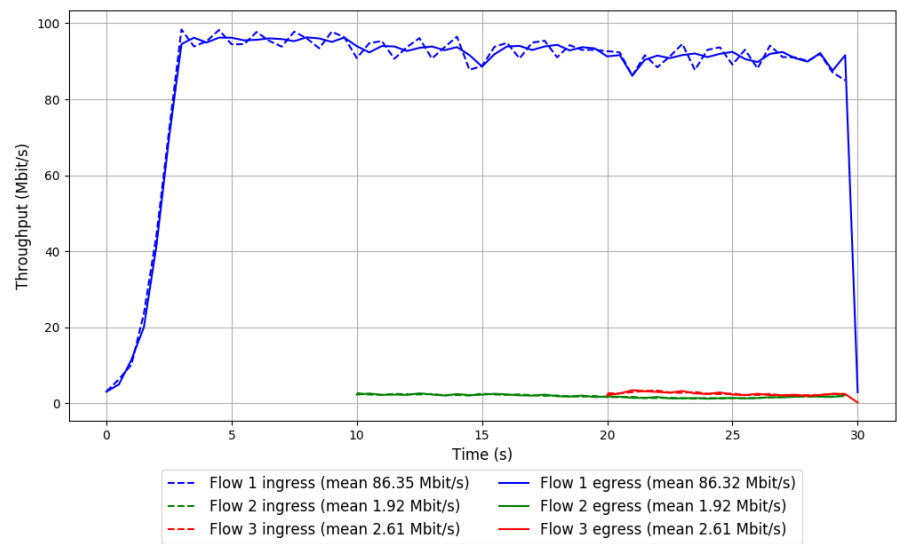
Run 10: Statistics of CalibratedKoho

Start at: 2017-08-11 12:21:19  
End at: 2017-08-11 12:21:49  
Local clock offset: 0.578 ms  
Remote clock offset: -2.377 ms

# Below is generated by plot.py at 2017-08-11 13:19:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.46 Mbit/s  
95th percentile per-packet one-way delay: 63.884 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.32 Mbit/s  
95th percentile per-packet one-way delay: 63.910 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 63.136 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 2.61 Mbit/s  
95th percentile per-packet one-way delay: 63.877 ms  
Loss rate: 0.00%



Run 10: Report of CalibratedKoho — Data Link

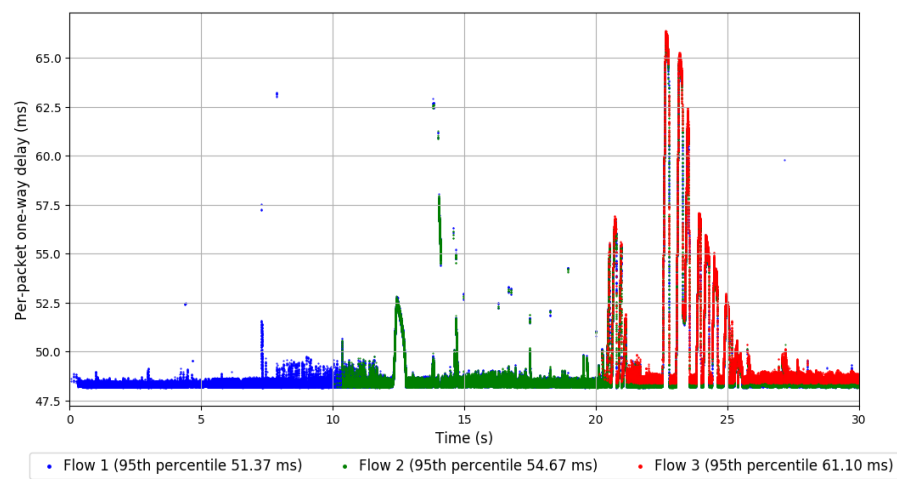
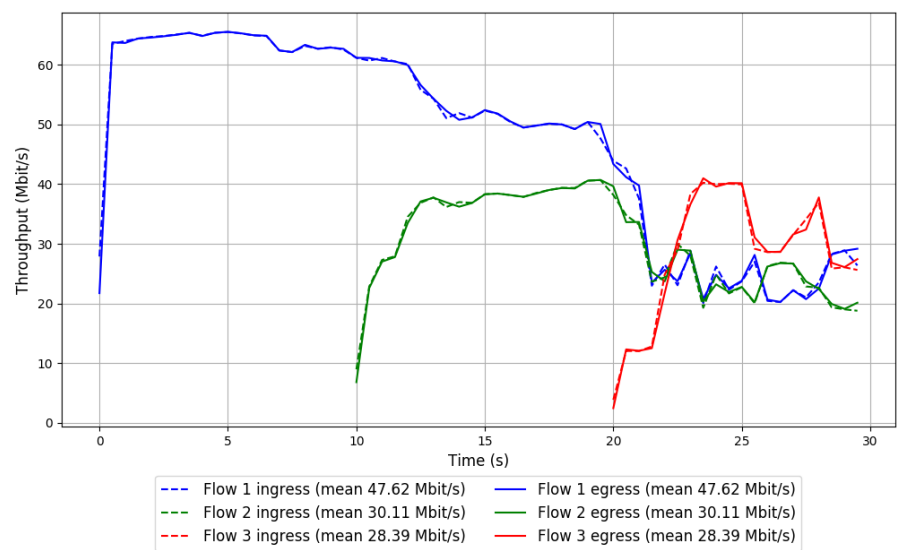


Run 1: Statistics of Copa

Start at: 2017-08-11 09:10:52  
End at: 2017-08-11 09:11:22  
Local clock offset: 0.161 ms  
Remote clock offset: -2.028 ms

# Below is generated by plot.py at 2017-08-11 13:19:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.99 Mbit/s  
95th percentile per-packet one-way delay: 53.607 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.62 Mbit/s  
95th percentile per-packet one-way delay: 51.371 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 30.11 Mbit/s  
95th percentile per-packet one-way delay: 54.674 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 28.39 Mbit/s  
95th percentile per-packet one-way delay: 61.100 ms  
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

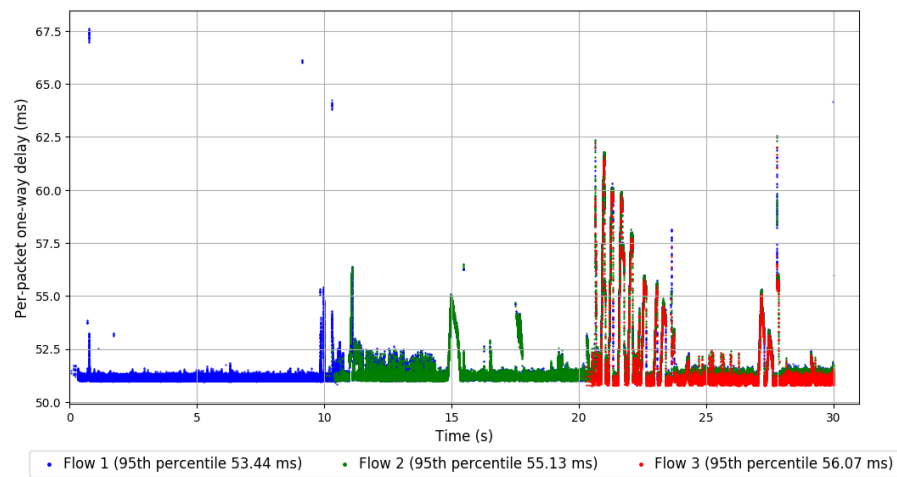
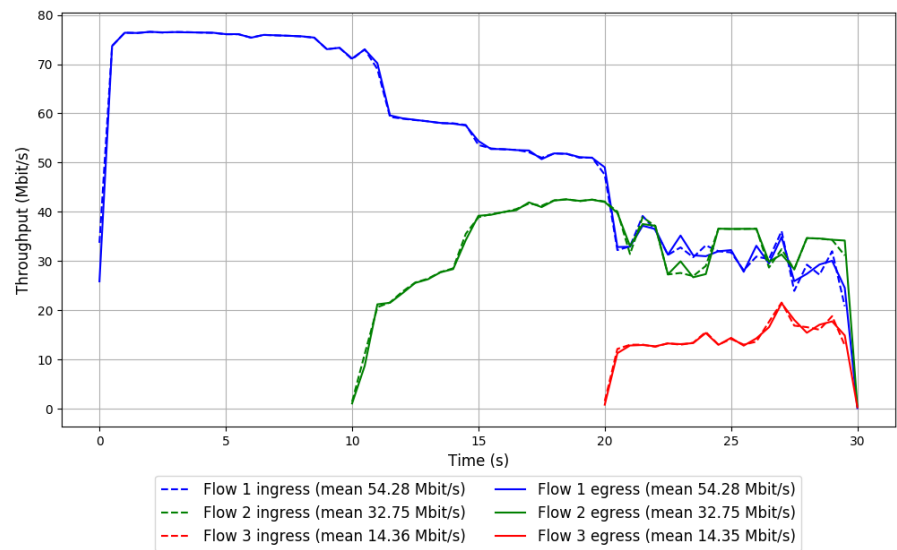


Run 2: Statistics of Copa

Start at: 2017-08-11 09:31:50  
End at: 2017-08-11 09:32:20  
Local clock offset: 0.136 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2017-08-11 13:19:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.74 Mbit/s  
95th percentile per-packet one-way delay: 54.189 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 54.28 Mbit/s  
95th percentile per-packet one-way delay: 53.436 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.75 Mbit/s  
95th percentile per-packet one-way delay: 55.131 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 14.35 Mbit/s  
95th percentile per-packet one-way delay: 56.071 ms  
Loss rate: 0.11%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-08-11 09:52:47

End at: 2017-08-11 09:53:17

Local clock offset: 0.192 ms

Remote clock offset: -0.97 ms

# Below is generated by plot.py at 2017-08-11 13:19:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.48 Mbit/s

95th percentile per-packet one-way delay: 51.158 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 51.083 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.11%

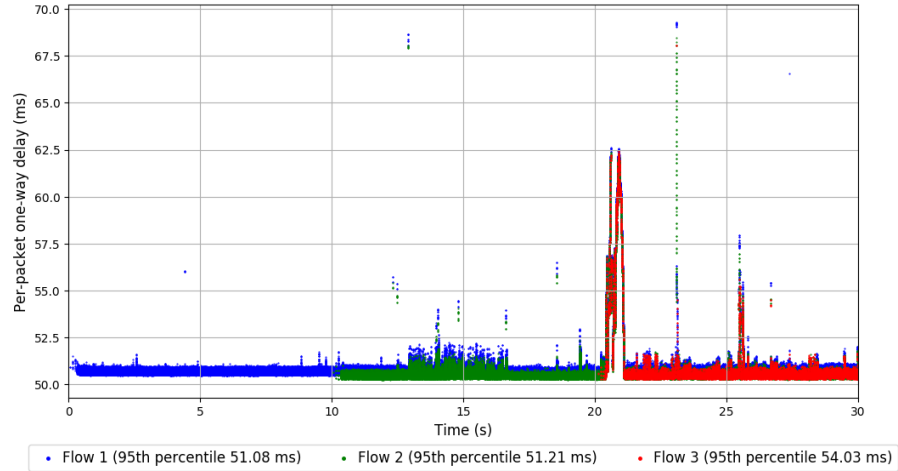
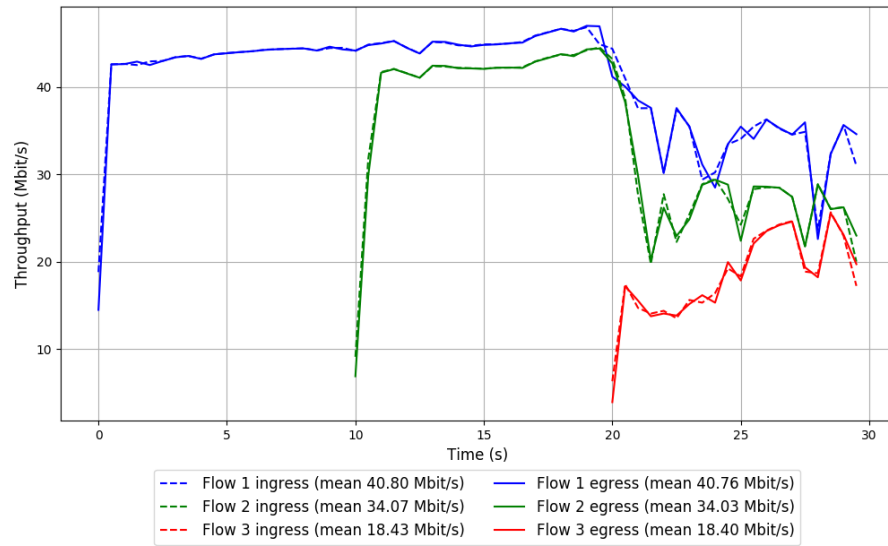
-- Flow 3:

Average throughput: 18.40 Mbit/s

95th percentile per-packet one-way delay: 54.033 ms

Loss rate: 0.19%

### Run 3: Report of Copa — Data Link



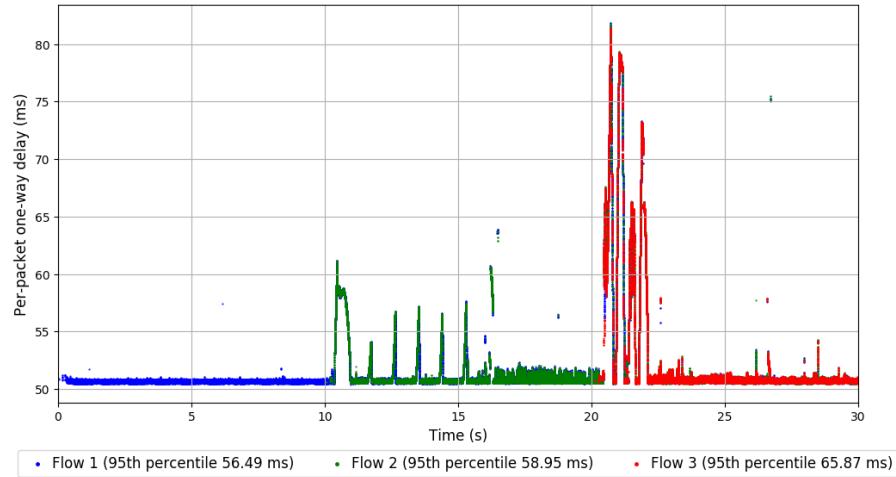
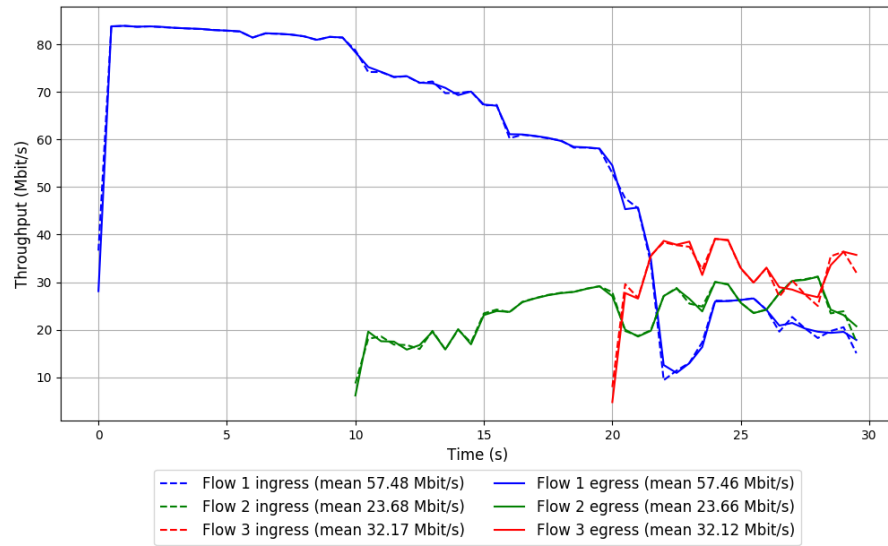
Run 4: Statistics of Copa

Start at: 2017-08-11 10:13:43  
End at: 2017-08-11 10:14:14  
Local clock offset: 0.271 ms  
Remote clock offset: -1.295 ms

# Below is generated by plot.py at 2017-08-11 13:19:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.74 Mbit/s  
95th percentile per-packet one-way delay: 58.359 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 57.46 Mbit/s  
95th percentile per-packet one-way delay: 56.489 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 23.66 Mbit/s  
95th percentile per-packet one-way delay: 58.955 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 32.12 Mbit/s  
95th percentile per-packet one-way delay: 65.866 ms  
Loss rate: 0.17%



#### Run 4: Report of Copa — Data Link

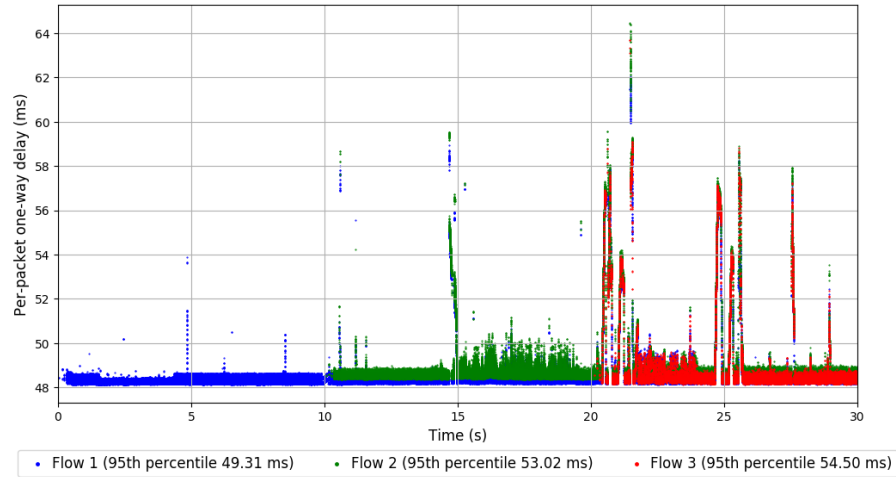
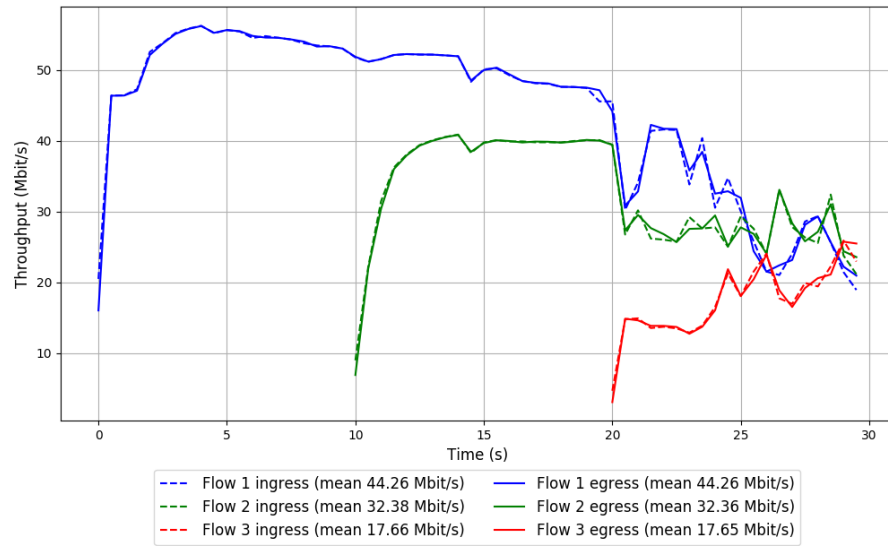


Run 5: Statistics of Copa

Start at: 2017-08-11 10:34:45  
End at: 2017-08-11 10:35:15  
Local clock offset: 0.336 ms  
Remote clock offset: -3.738 ms

# Below is generated by plot.py at 2017-08-11 13:19:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.61 Mbit/s  
95th percentile per-packet one-way delay: 51.572 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 44.26 Mbit/s  
95th percentile per-packet one-way delay: 49.311 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 32.36 Mbit/s  
95th percentile per-packet one-way delay: 53.015 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 17.65 Mbit/s  
95th percentile per-packet one-way delay: 54.499 ms  
Loss rate: 0.05%

## Run 5: Report of Copa — Data Link

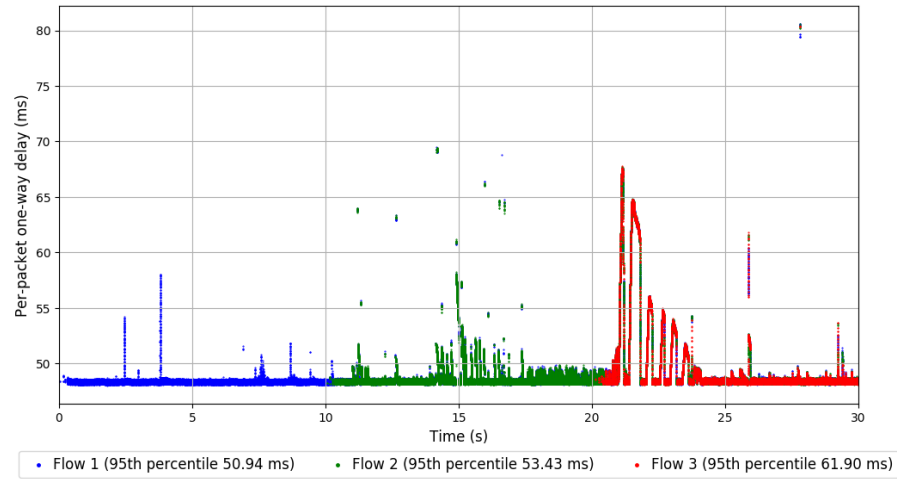
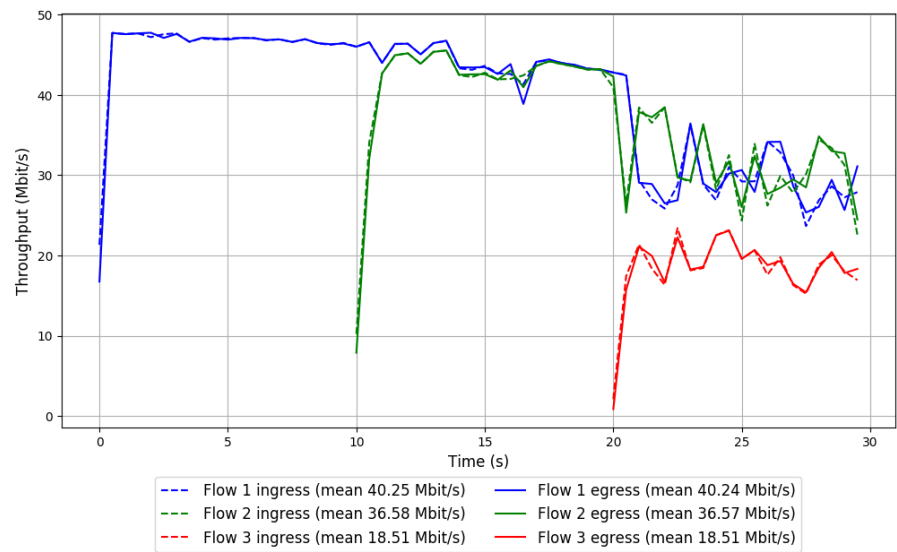


Run 6: Statistics of Copa

Start at: 2017-08-11 10:55:43  
End at: 2017-08-11 10:56:13  
Local clock offset: 0.412 ms  
Remote clock offset: -3.995 ms

# Below is generated by plot.py at 2017-08-11 13:19:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.66 Mbit/s  
95th percentile per-packet one-way delay: 52.713 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 40.24 Mbit/s  
95th percentile per-packet one-way delay: 50.943 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 36.57 Mbit/s  
95th percentile per-packet one-way delay: 53.430 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 18.51 Mbit/s  
95th percentile per-packet one-way delay: 61.903 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

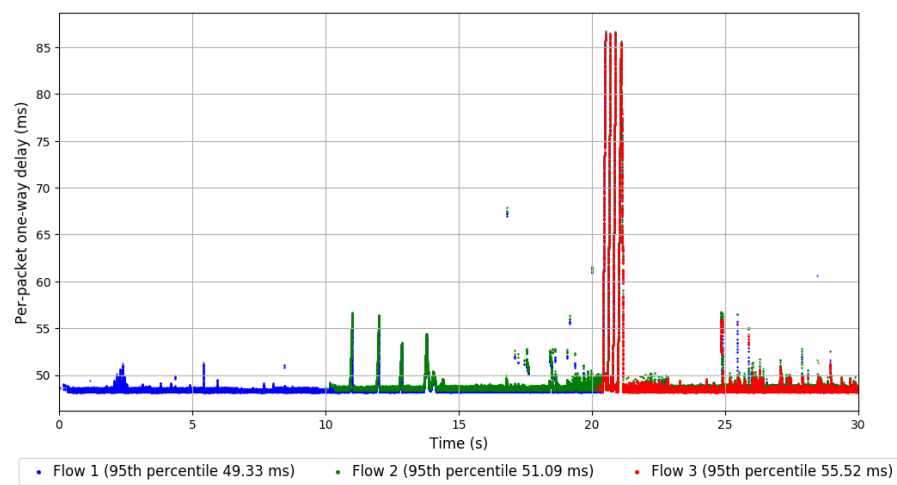
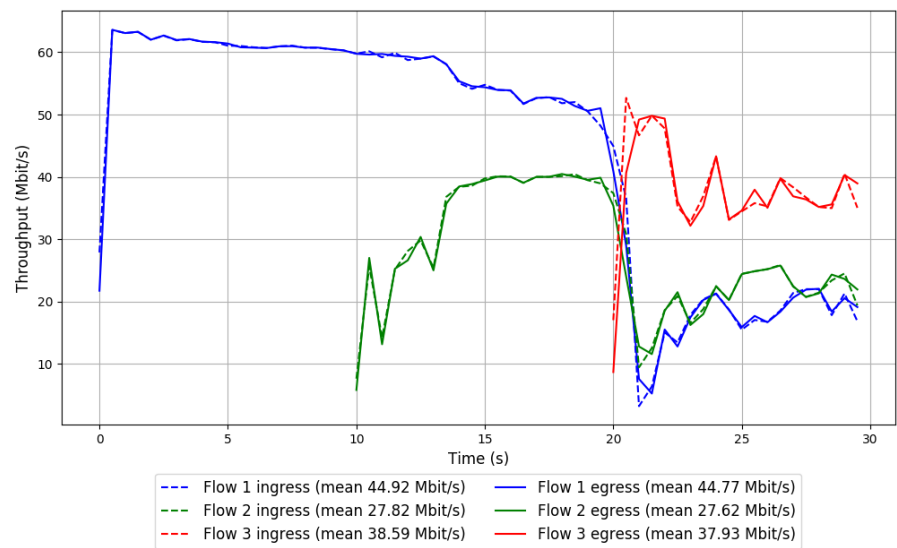


Run 7: Statistics of Copa

Start at: 2017-08-11 11:16:41  
End at: 2017-08-11 11:17:11  
Local clock offset: 0.437 ms  
Remote clock offset: -3.912 ms

# Below is generated by plot.py at 2017-08-11 13:20:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.64 Mbit/s  
95th percentile per-packet one-way delay: 49.932 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 44.77 Mbit/s  
95th percentile per-packet one-way delay: 49.333 ms  
Loss rate: 0.35%  
-- Flow 2:  
Average throughput: 27.62 Mbit/s  
95th percentile per-packet one-way delay: 51.090 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 37.93 Mbit/s  
95th percentile per-packet one-way delay: 55.520 ms  
Loss rate: 1.71%

Run 7: Report of Copa — Data Link



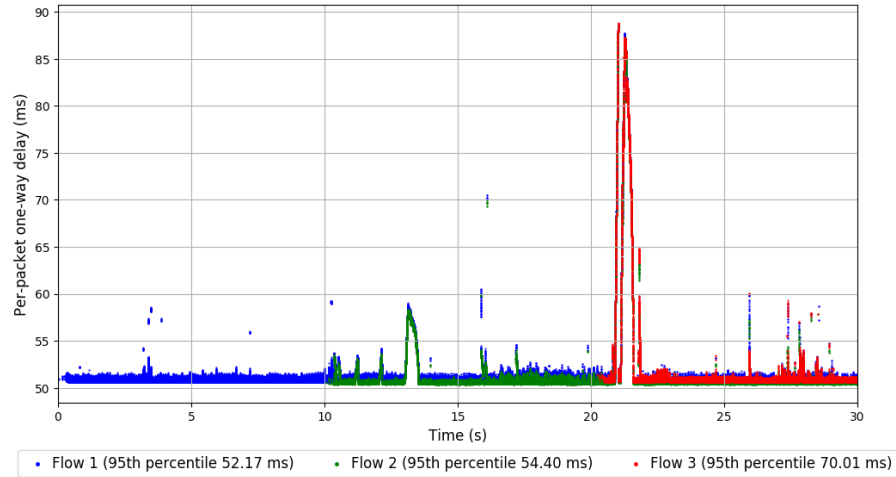
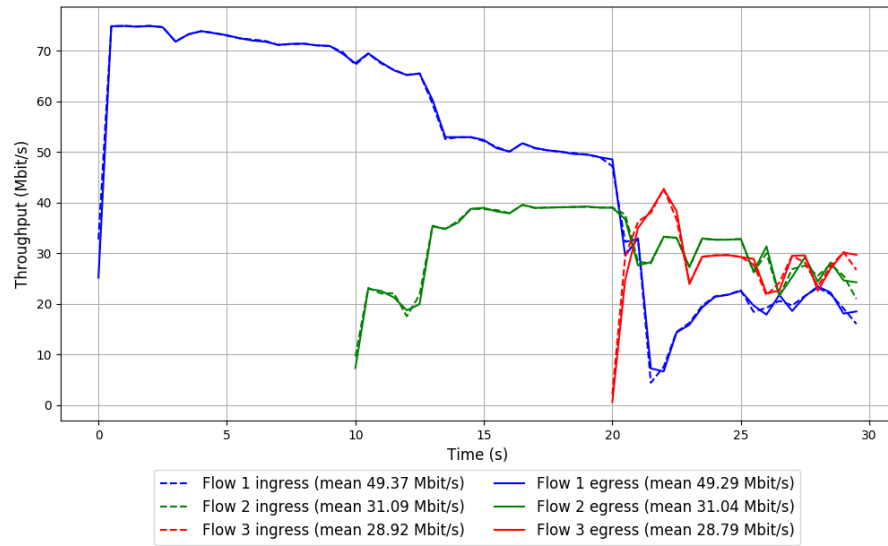
Run 8: Statistics of Copa

Start at: 2017-08-11 11:37:44  
End at: 2017-08-11 11:38:14  
Local clock offset: 0.437 ms  
Remote clock offset: -1.552 ms

```
# Below is generated by plot.py at 2017-08-11 13:20:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.34 Mbit/s
95th percentile per-packet one-way delay: 53.064 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 52.168 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 54.397 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 70.010 ms
Loss rate: 0.47%
```



## Run 8: Report of Copa — Data Link

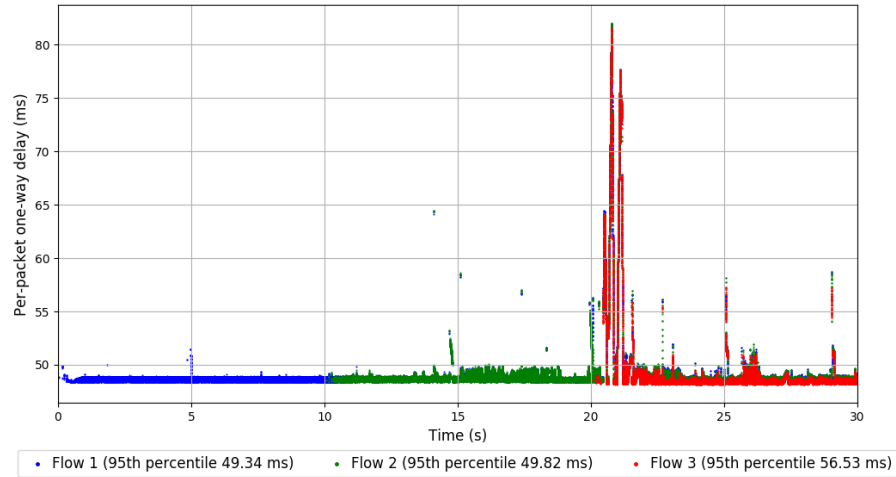
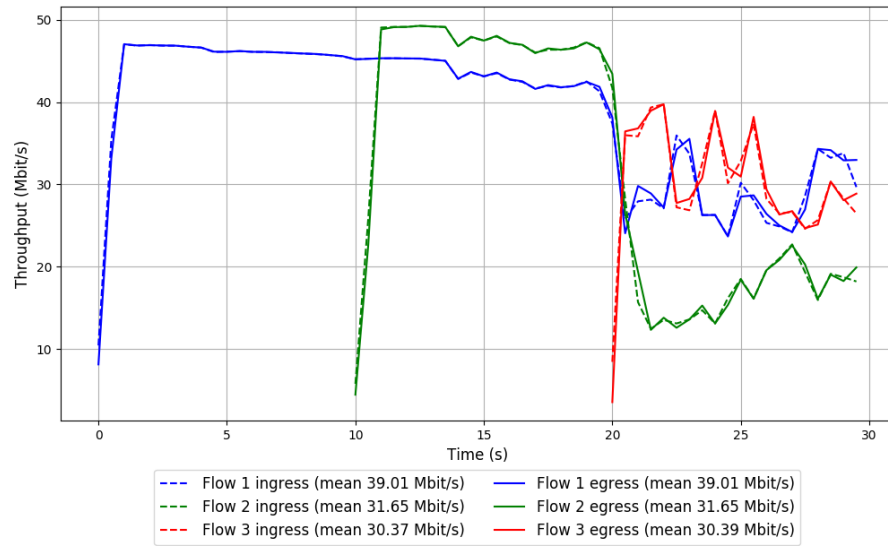


Run 9: Statistics of Copa

Start at: 2017-08-11 11:58:45  
End at: 2017-08-11 11:59:15  
Local clock offset: 0.612 ms  
Remote clock offset: -3.052 ms

# Below is generated by plot.py at 2017-08-11 13:20:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.13 Mbit/s  
95th percentile per-packet one-way delay: 49.693 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 39.01 Mbit/s  
95th percentile per-packet one-way delay: 49.342 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.65 Mbit/s  
95th percentile per-packet one-way delay: 49.822 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.39 Mbit/s  
95th percentile per-packet one-way delay: 56.531 ms  
Loss rate: 0.00%

## Run 9: Report of Copa — Data Link

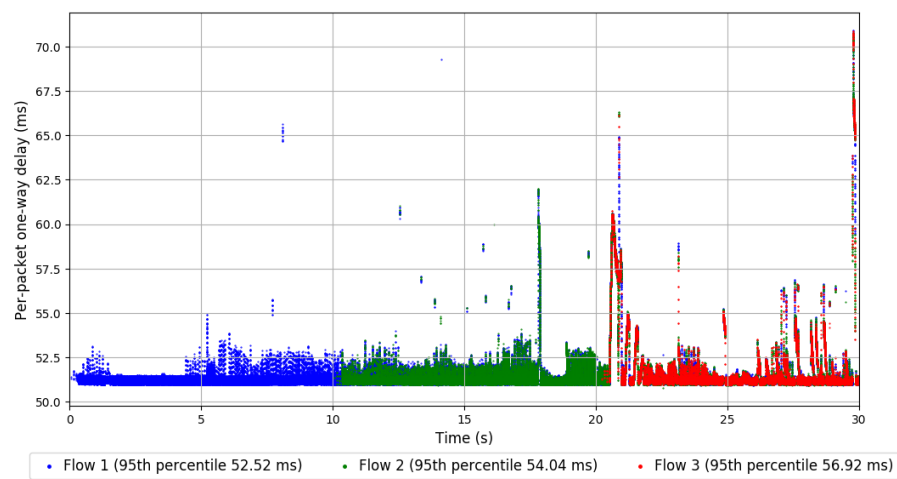
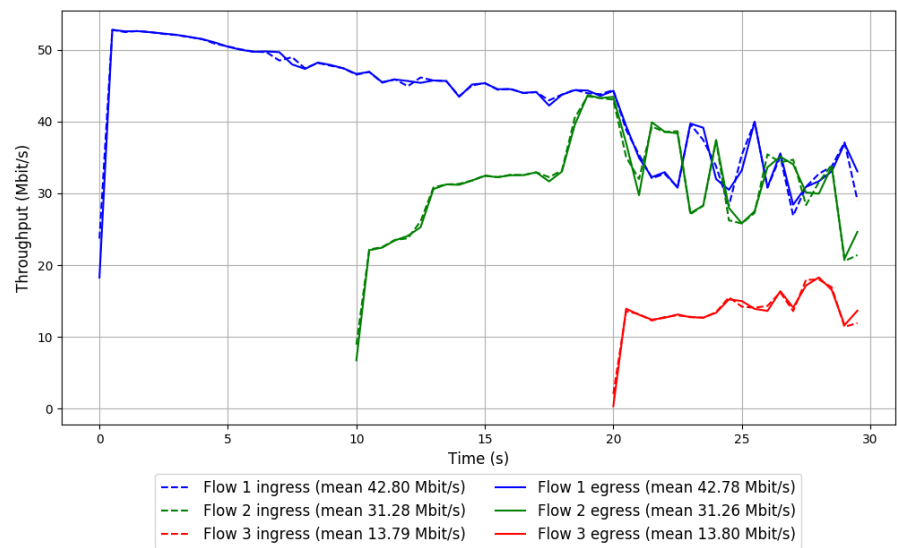


Run 10: Statistics of Copa

Start at: 2017-08-11 12:19:52  
End at: 2017-08-11 12:20:22  
Local clock offset: 0.504 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2017-08-11 13:20:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.09 Mbit/s  
95th percentile per-packet one-way delay: 53.285 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 42.78 Mbit/s  
95th percentile per-packet one-way delay: 52.520 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 31.26 Mbit/s  
95th percentile per-packet one-way delay: 54.039 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 13.80 Mbit/s  
95th percentile per-packet one-way delay: 56.922 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

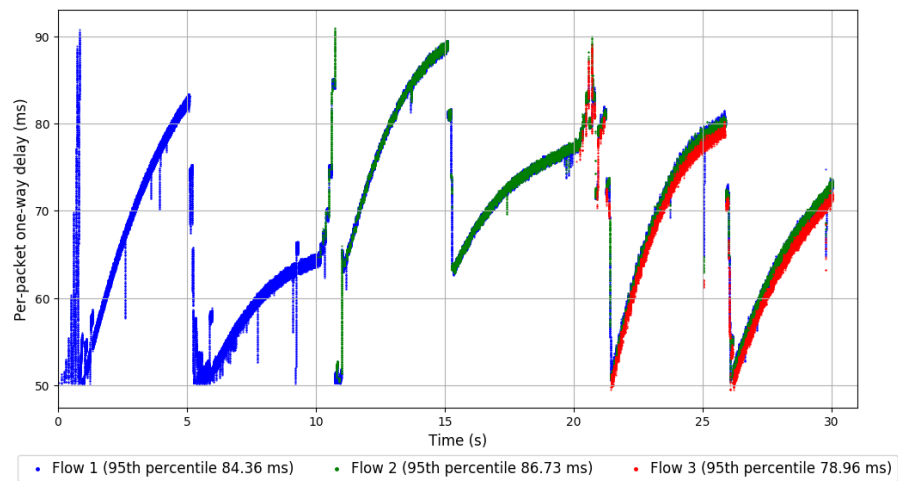
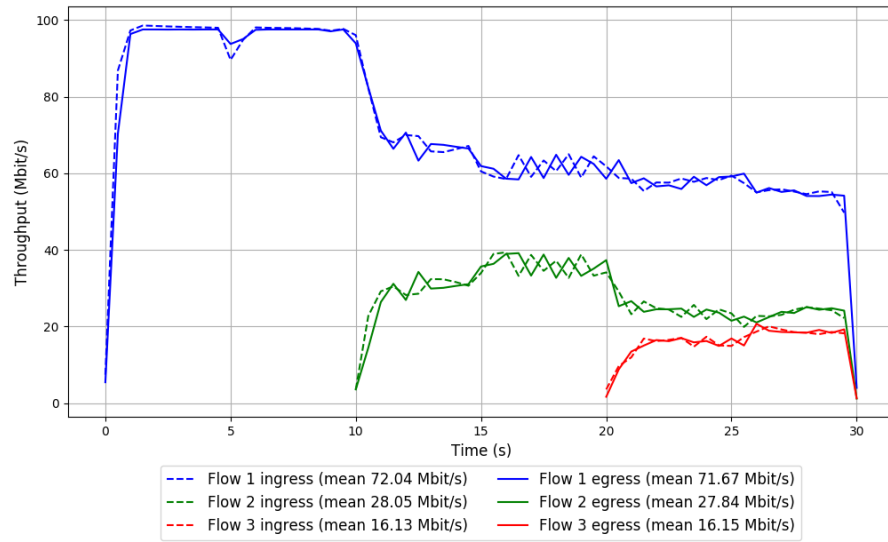


Run 1: Statistics of TCP Cubic

Start at: 2017-08-11 09:22:06  
End at: 2017-08-11 09:22:36  
Local clock offset: 0.157 ms  
Remote clock offset: -0.297 ms

# Below is generated by plot.py at 2017-08-11 13:20:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.54 Mbit/s  
95th percentile per-packet one-way delay: 84.717 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 71.67 Mbit/s  
95th percentile per-packet one-way delay: 84.358 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 27.84 Mbit/s  
95th percentile per-packet one-way delay: 86.733 ms  
Loss rate: 0.73%  
-- Flow 3:  
Average throughput: 16.15 Mbit/s  
95th percentile per-packet one-way delay: 78.959 ms  
Loss rate: 0.07%

# Run 1: Report of TCP Cubic — Data Link



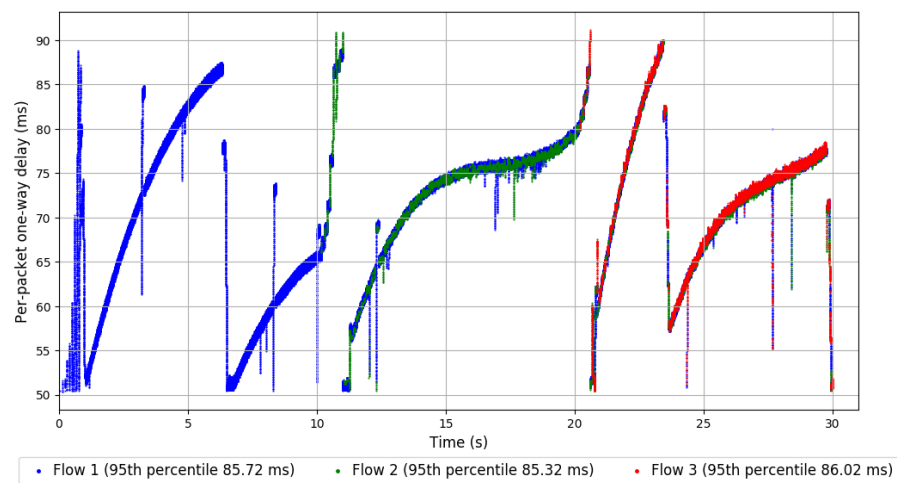
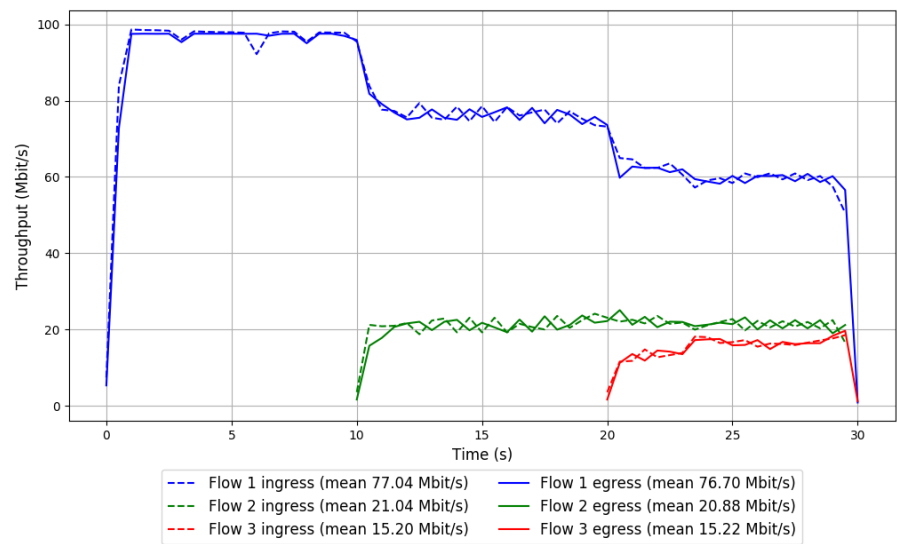
Run 2: Statistics of TCP Cubic

Start at: 2017-08-11 09:43:03  
End at: 2017-08-11 09:43:33  
Local clock offset: 0.086 ms  
Remote clock offset: -0.753 ms

# Below is generated by plot.py at 2017-08-11 13:20:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.60 Mbit/s  
95th percentile per-packet one-way delay: 85.612 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 76.70 Mbit/s  
95th percentile per-packet one-way delay: 85.722 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 20.88 Mbit/s  
95th percentile per-packet one-way delay: 85.324 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 15.22 Mbit/s  
95th percentile per-packet one-way delay: 86.020 ms  
Loss rate: 0.11%



Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-08-11 10:03:59

End at: 2017-08-11 10:04:29

Local clock offset: 0.147 ms

Remote clock offset: -1.12 ms

# Below is generated by plot.py at 2017-08-11 13:20:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 80.622 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 70.72 Mbit/s

95th percentile per-packet one-way delay: 80.312 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 25.30 Mbit/s

95th percentile per-packet one-way delay: 82.153 ms

Loss rate: 1.02%

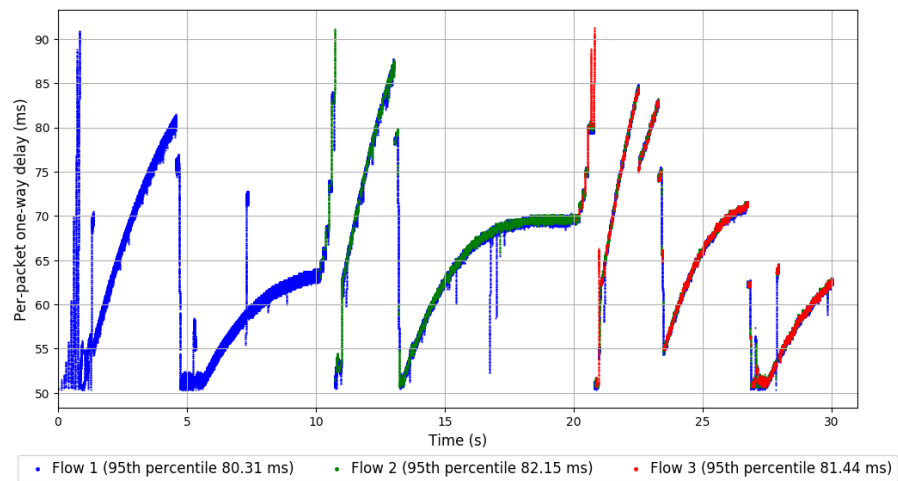
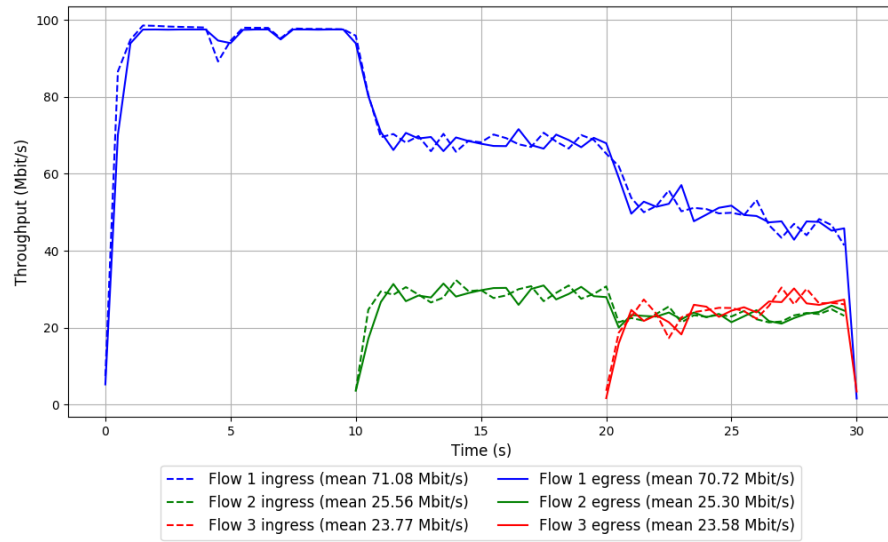
-- Flow 3:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 81.439 ms

Loss rate: 1.01%

### Run 3: Report of TCP Cubic — Data Link

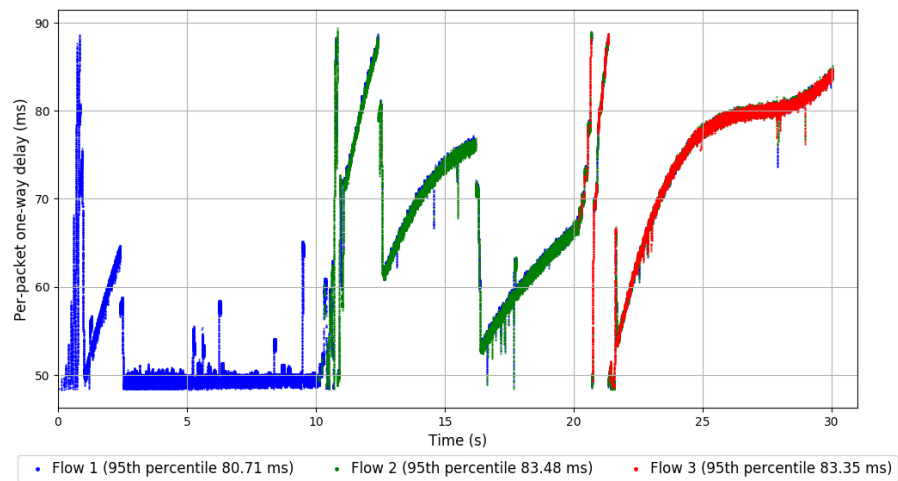
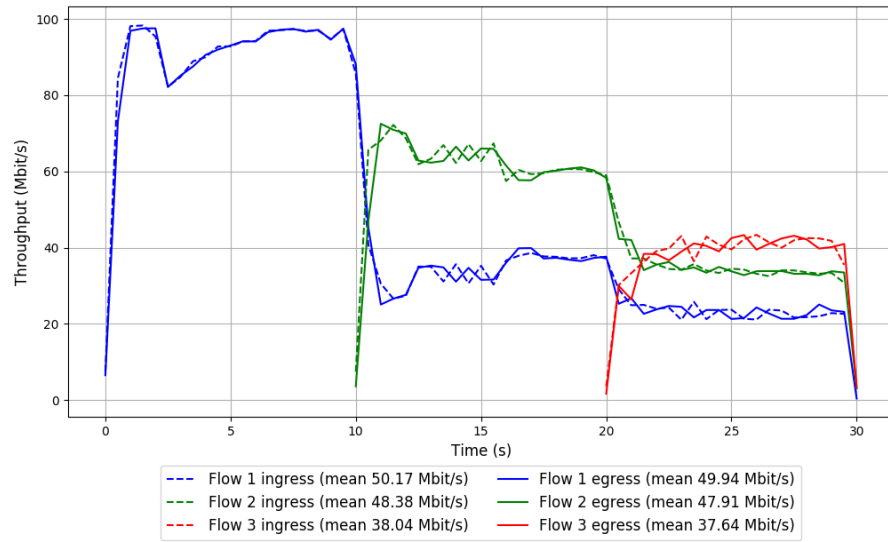


Run 4: Statistics of TCP Cubic

Start at: 2017-08-11 10:24:59  
End at: 2017-08-11 10:25:29  
Local clock offset: 0.284 ms  
Remote clock offset: -3.676 ms

# Below is generated by plot.py at 2017-08-11 13:20:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.34 Mbit/s  
95th percentile per-packet one-way delay: 82.443 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 49.94 Mbit/s  
95th percentile per-packet one-way delay: 80.709 ms  
Loss rate: 0.34%  
-- Flow 2:  
Average throughput: 47.91 Mbit/s  
95th percentile per-packet one-way delay: 83.484 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 37.64 Mbit/s  
95th percentile per-packet one-way delay: 83.353 ms  
Loss rate: 0.92%

#### Run 4: Report of TCP Cubic — Data Link

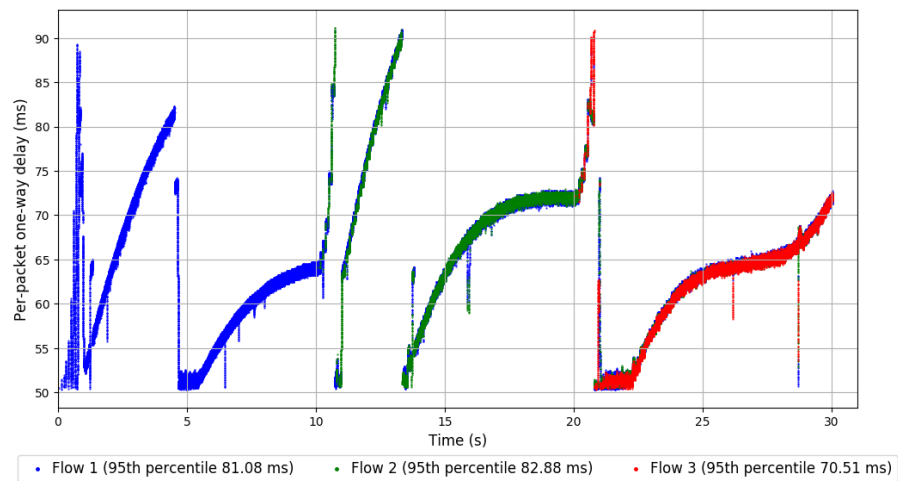
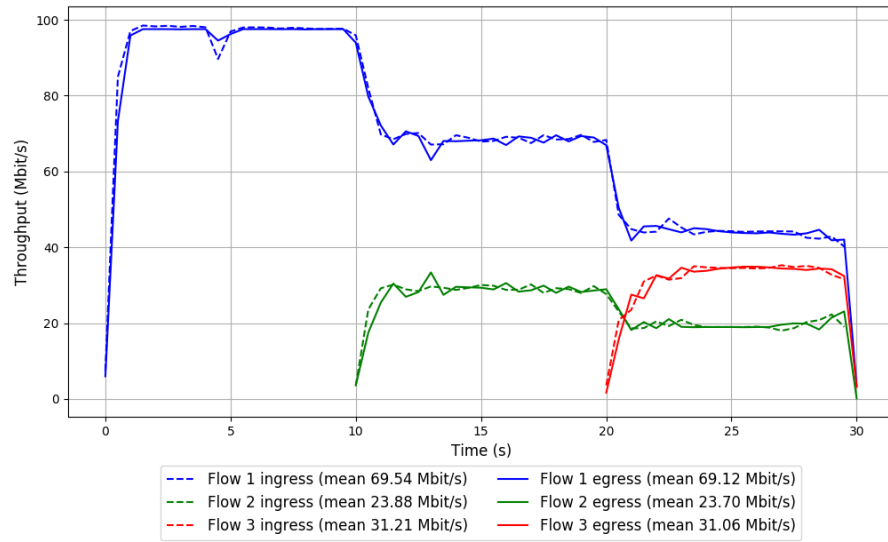


Run 5: Statistics of TCP Cubic

Start at: 2017-08-11 10:45:59  
End at: 2017-08-11 10:46:29  
Local clock offset: 0.292 ms  
Remote clock offset: -1.742 ms

# Below is generated by plot.py at 2017-08-11 13:21:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.20 Mbit/s  
95th percentile per-packet one-way delay: 81.059 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 69.12 Mbit/s  
95th percentile per-packet one-way delay: 81.082 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 23.70 Mbit/s  
95th percentile per-packet one-way delay: 82.878 ms  
Loss rate: 0.69%  
-- Flow 3:  
Average throughput: 31.06 Mbit/s  
95th percentile per-packet one-way delay: 70.506 ms  
Loss rate: 0.46%

## Run 5: Report of TCP Cubic — Data Link



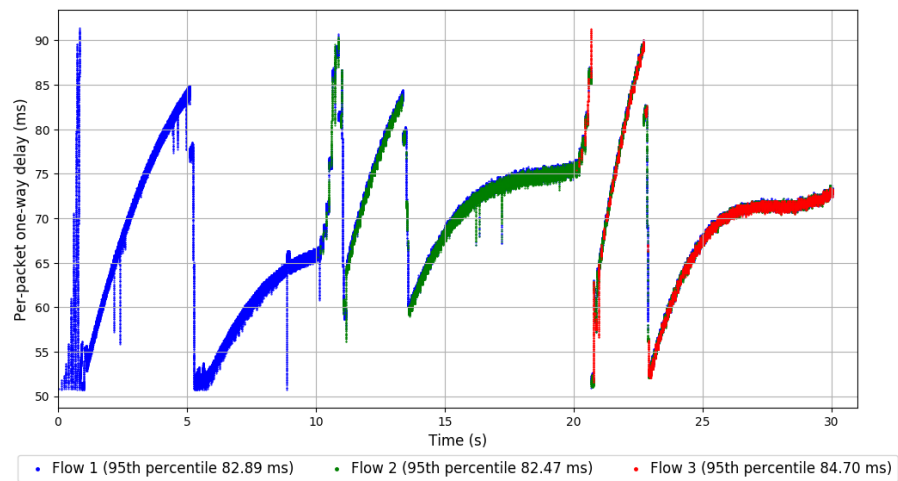
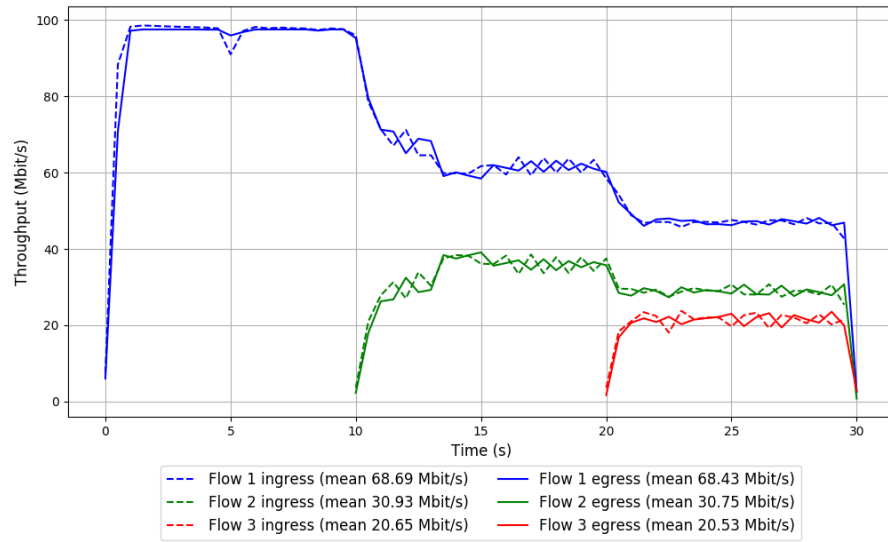
Run 6: Statistics of TCP Cubic

Start at: 2017-08-11 11:06:55  
End at: 2017-08-11 11:07:25  
Local clock offset: 0.476 ms  
Remote clock offset: -1.357 ms

# Below is generated by plot.py at 2017-08-11 13:21:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.67 Mbit/s  
95th percentile per-packet one-way delay: 82.917 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 68.43 Mbit/s  
95th percentile per-packet one-way delay: 82.895 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 30.75 Mbit/s  
95th percentile per-packet one-way delay: 82.471 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 20.53 Mbit/s  
95th percentile per-packet one-way delay: 84.699 ms  
Loss rate: 0.60%



## Run 6: Report of TCP Cubic — Data Link

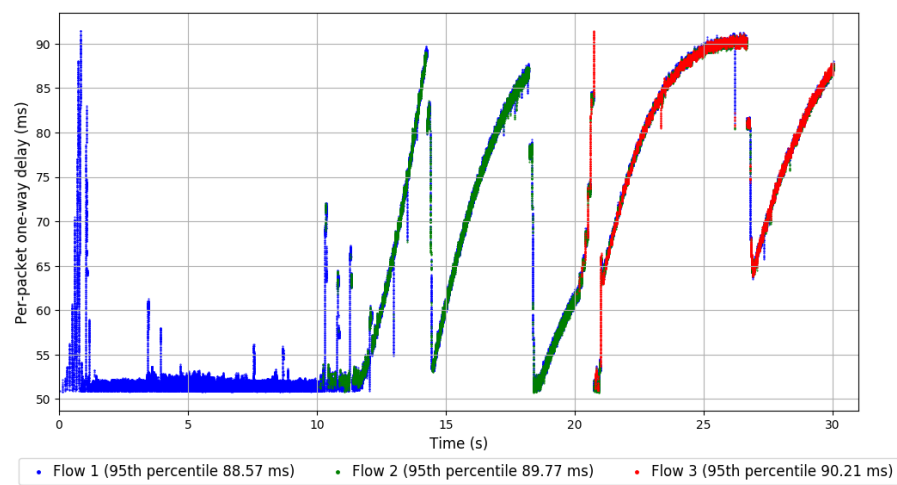
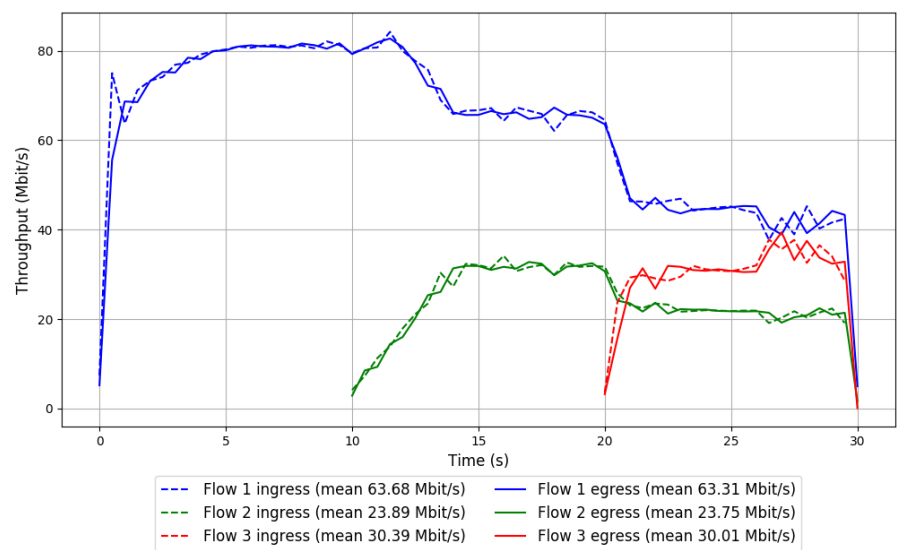


Run 7: Statistics of TCP Cubic

Start at: 2017-08-11 11:27:56  
End at: 2017-08-11 11:28:26  
Local clock offset: 0.474 ms  
Remote clock offset: -1.309 ms

# Below is generated by plot.py at 2017-08-11 13:21:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.06 Mbit/s  
95th percentile per-packet one-way delay: 89.547 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 63.31 Mbit/s  
95th percentile per-packet one-way delay: 88.571 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 23.75 Mbit/s  
95th percentile per-packet one-way delay: 89.767 ms  
Loss rate: 0.49%  
-- Flow 3:  
Average throughput: 30.01 Mbit/s  
95th percentile per-packet one-way delay: 90.207 ms  
Loss rate: 1.18%

Run 7: Report of TCP Cubic — Data Link

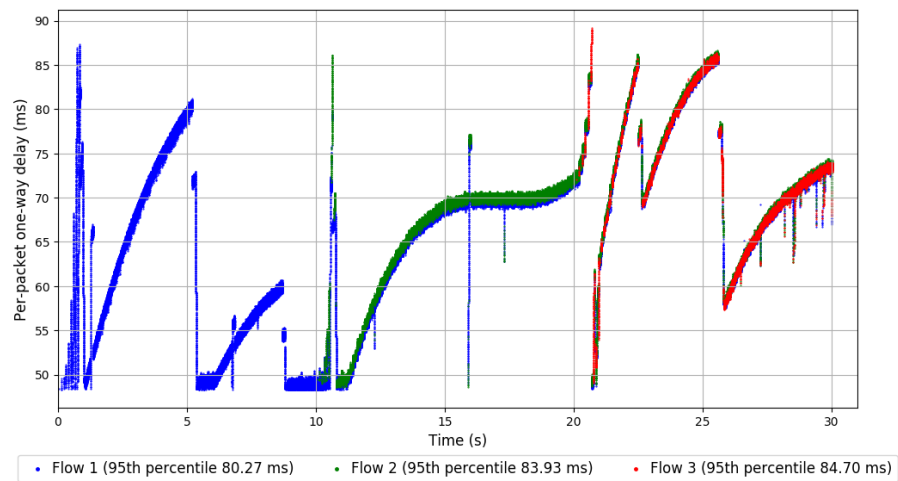
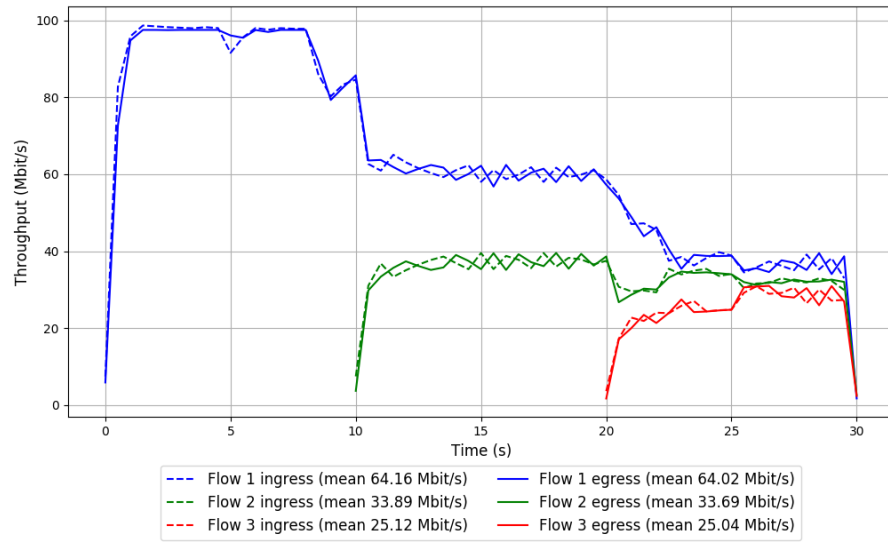


Run 8: Statistics of TCP Cubic

Start at: 2017-08-11 11:48:59  
End at: 2017-08-11 11:49:29  
Local clock offset: 0.499 ms  
Remote clock offset: -3.294 ms

# Below is generated by plot.py at 2017-08-11 13:21:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.71 Mbit/s  
95th percentile per-packet one-way delay: 82.542 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 64.02 Mbit/s  
95th percentile per-packet one-way delay: 80.267 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 33.69 Mbit/s  
95th percentile per-packet one-way delay: 83.932 ms  
Loss rate: 0.56%  
-- Flow 3:  
Average throughput: 25.04 Mbit/s  
95th percentile per-packet one-way delay: 84.696 ms  
Loss rate: 0.33%

# Run 8: Report of TCP Cubic — Data Link

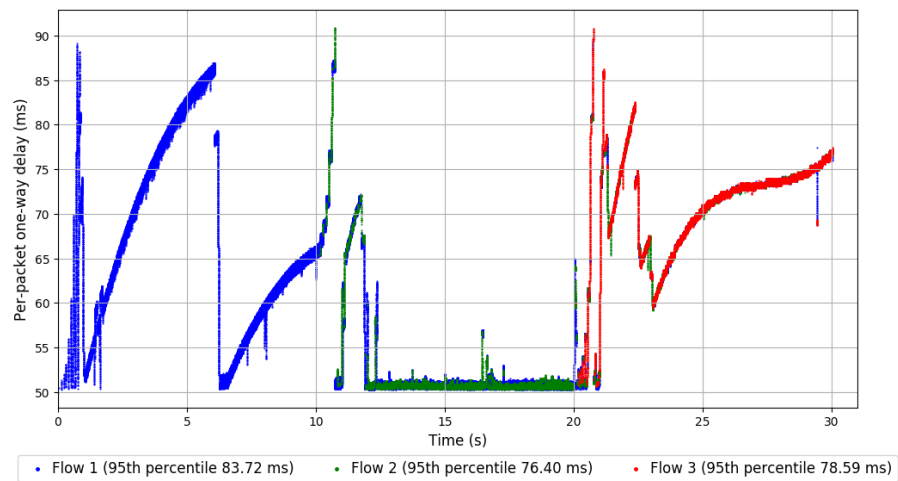
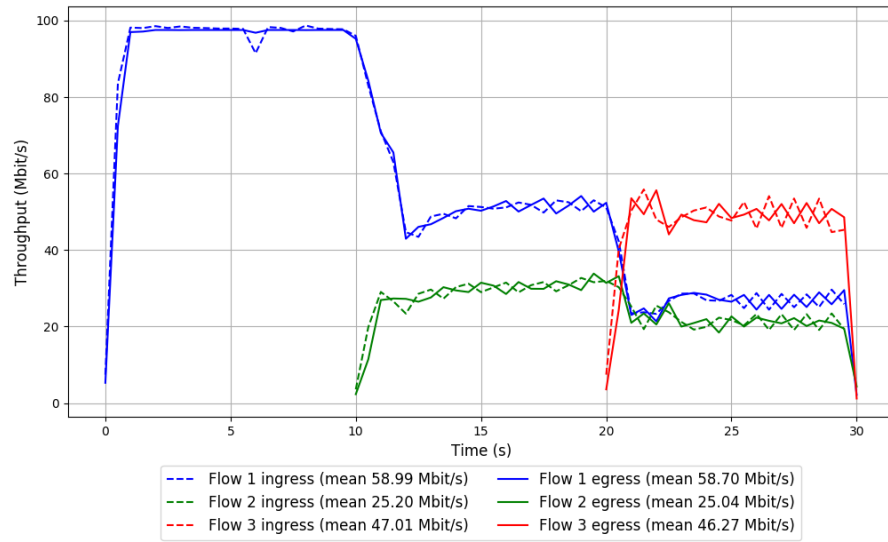


Run 9: Statistics of TCP Cubic

Start at: 2017-08-11 12:09:58  
End at: 2017-08-11 12:10:28  
Local clock offset: 0.516 ms  
Remote clock offset: -0.671 ms

# Below is generated by plot.py at 2017-08-11 13:21:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.73 Mbit/s  
95th percentile per-packet one-way delay: 82.055 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 58.70 Mbit/s  
95th percentile per-packet one-way delay: 83.720 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 25.04 Mbit/s  
95th percentile per-packet one-way delay: 76.401 ms  
Loss rate: 0.71%  
-- Flow 3:  
Average throughput: 46.27 Mbit/s  
95th percentile per-packet one-way delay: 78.591 ms  
Loss rate: 1.40%

# Run 9: Report of TCP Cubic — Data Link



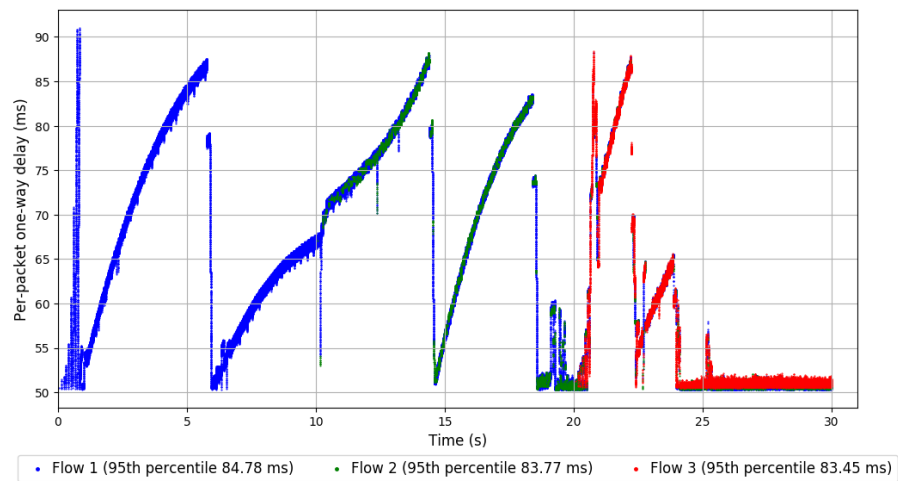
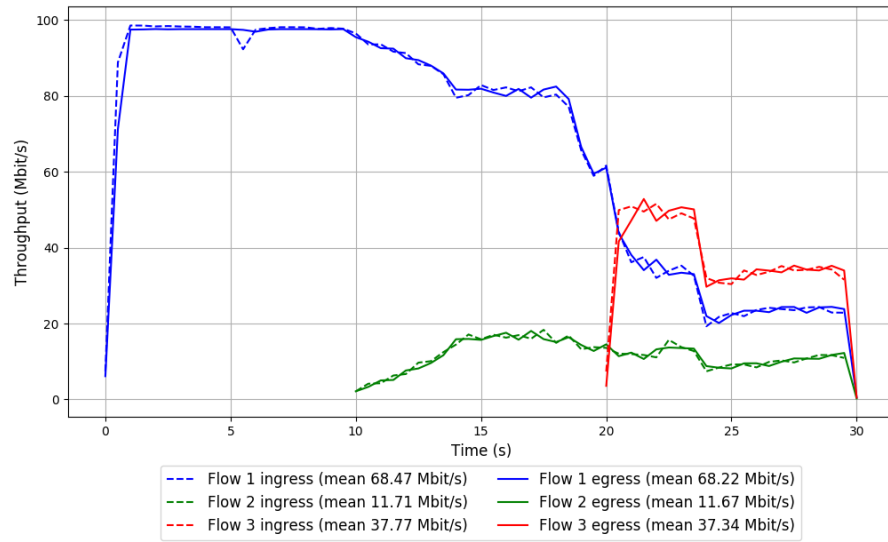
Run 10: Statistics of TCP Cubic

Start at: 2017-08-11 12:31:08  
End at: 2017-08-11 12:31:38  
Local clock offset: 0.583 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-08-11 13:21:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.36 Mbit/s  
95th percentile per-packet one-way delay: 84.560 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 68.22 Mbit/s  
95th percentile per-packet one-way delay: 84.778 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 11.67 Mbit/s  
95th percentile per-packet one-way delay: 83.772 ms  
Loss rate: 0.41%  
-- Flow 3:  
Average throughput: 37.34 Mbit/s  
95th percentile per-packet one-way delay: 83.449 ms  
Loss rate: 1.17%



# Run 10: Report of TCP Cubic — Data Link

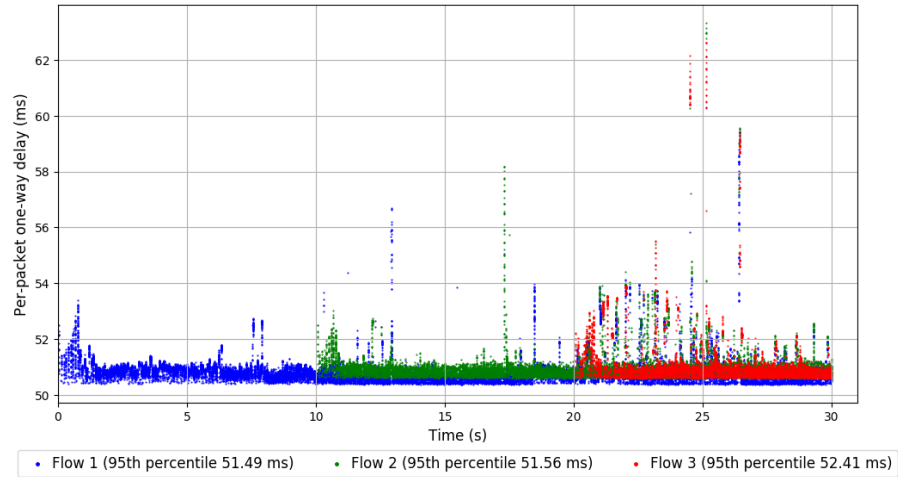
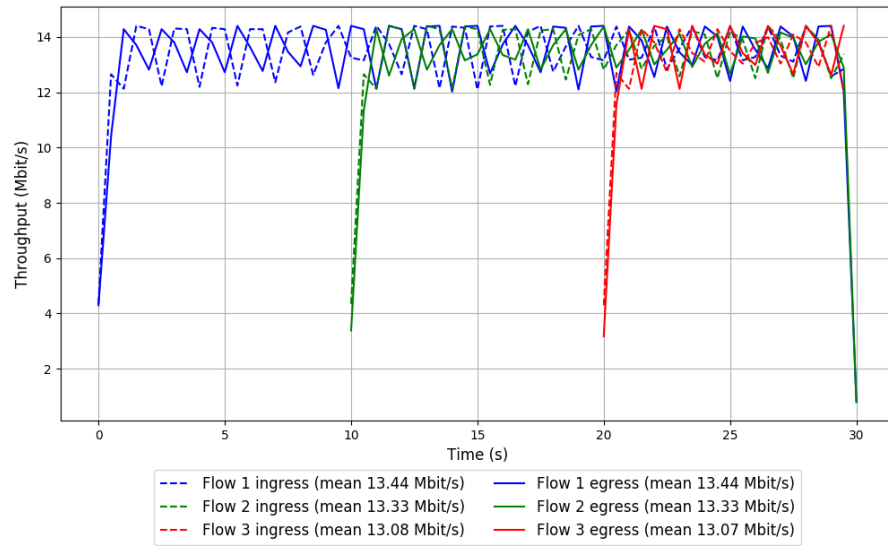


```
Run 1: Statistics of KohoCC

Start at: 2017-08-11 09:05:21
End at: 2017-08-11 09:05:51
Local clock offset: 0.104 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2017-08-11 13:21:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 51.487 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 51.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 52.407 ms
Loss rate: 0.03%
```

# Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: 2017-08-11 09:26:17

End at: 2017-08-11 09:26:47

Local clock offset: 0.148 ms

Remote clock offset: -0.35 ms

# Below is generated by plot.py at 2017-08-11 13:21:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 51.267 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 51.267 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 51.216 ms

Loss rate: 0.00%

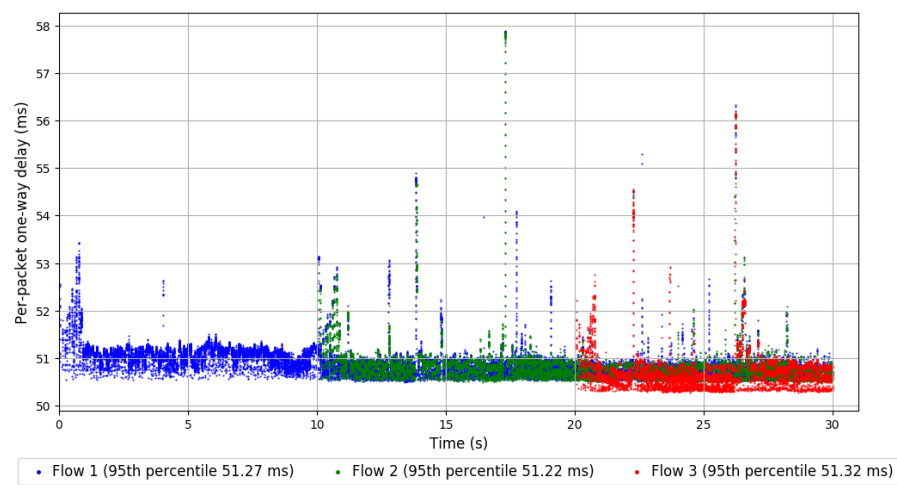
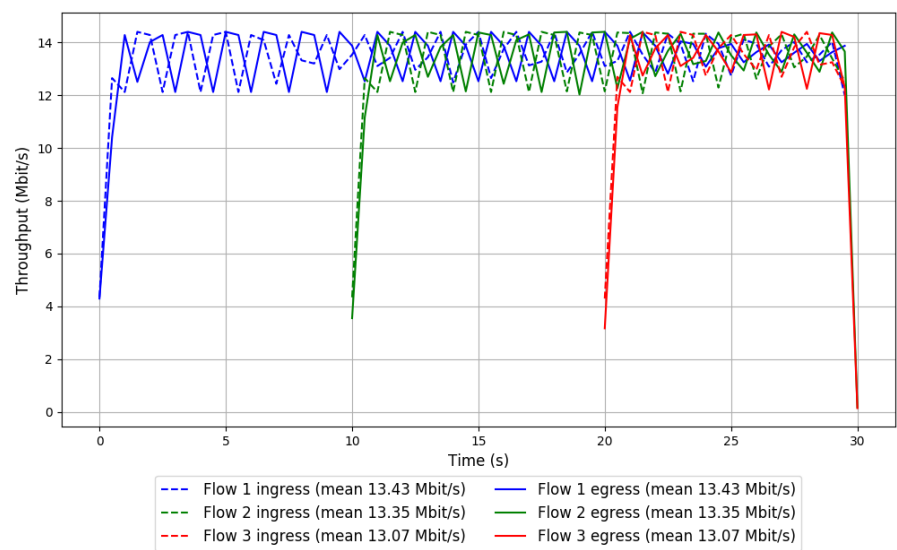
-- Flow 3:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 51.322 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link

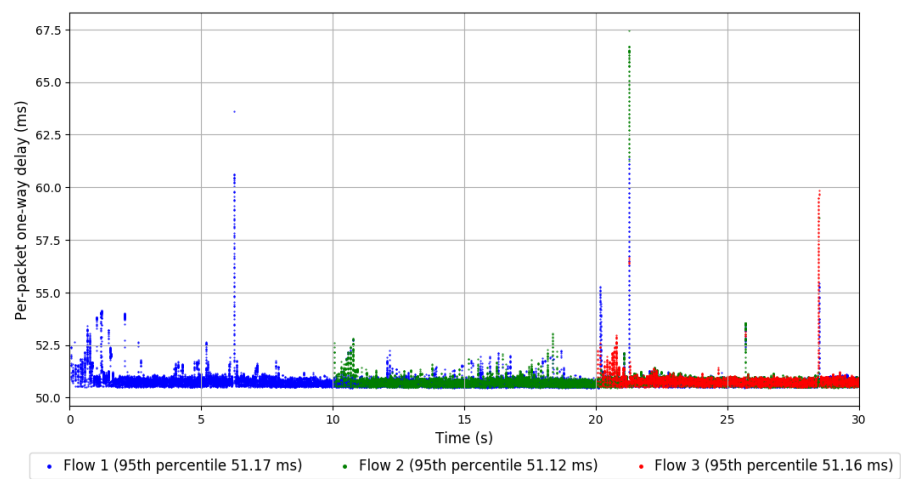
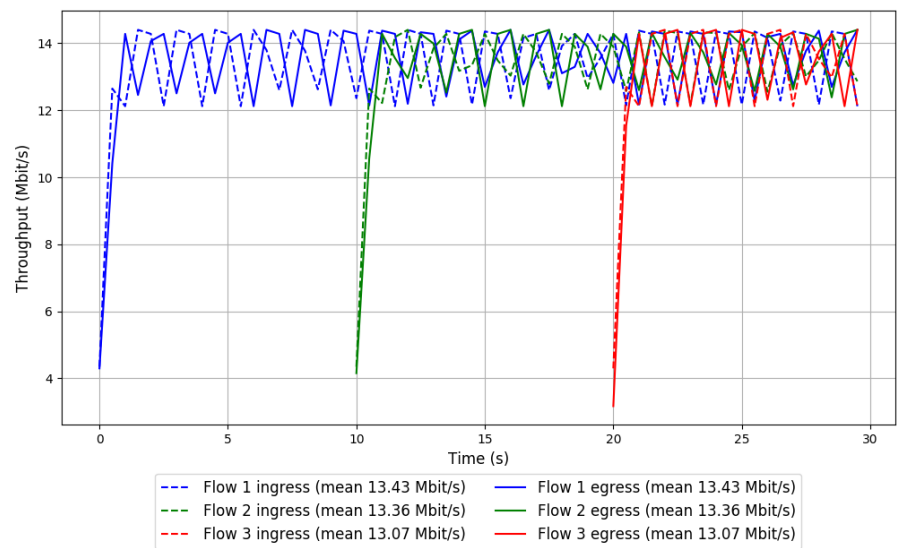


Run 3: Statistics of KohoCC

Start at: 2017-08-11 09:47:14  
End at: 2017-08-11 09:47:44  
Local clock offset: 0.089 ms  
Remote clock offset: -0.932 ms

# Below is generated by plot.py at 2017-08-11 13:21:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.66 Mbit/s  
95th percentile per-packet one-way delay: 51.144 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.43 Mbit/s  
95th percentile per-packet one-way delay: 51.171 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 13.36 Mbit/s  
95th percentile per-packet one-way delay: 51.124 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.07 Mbit/s  
95th percentile per-packet one-way delay: 51.155 ms  
Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



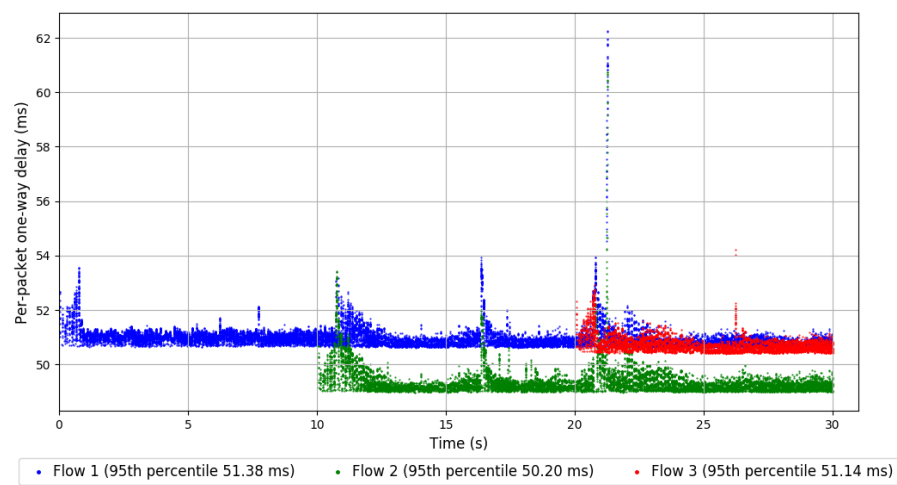
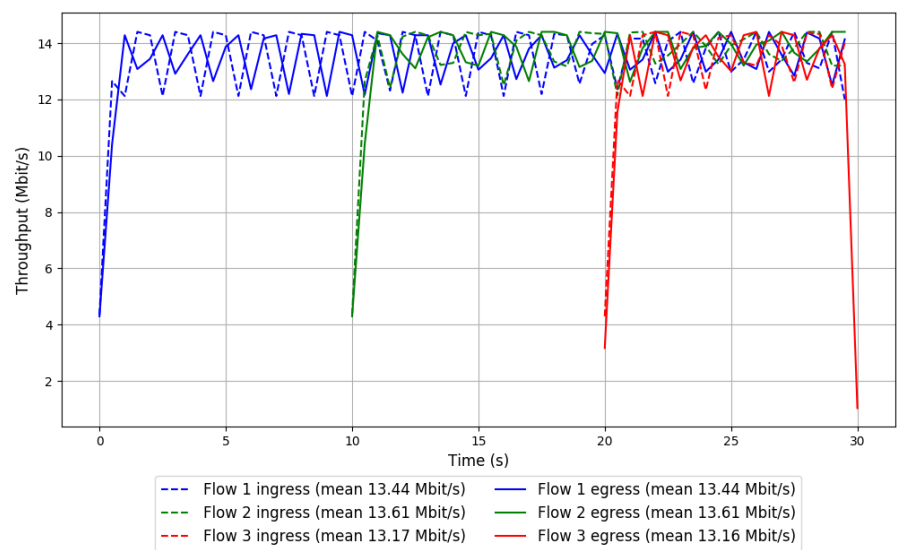
Run 4: Statistics of KohoCC

Start at: 2017-08-11 10:08:11  
End at: 2017-08-11 10:08:41  
Local clock offset: 0.129 ms  
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2017-08-11 13:21:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.85 Mbit/s  
95th percentile per-packet one-way delay: 51.241 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 13.44 Mbit/s  
95th percentile per-packet one-way delay: 51.378 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 13.61 Mbit/s  
95th percentile per-packet one-way delay: 50.197 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.16 Mbit/s  
95th percentile per-packet one-way delay: 51.142 ms  
Loss rate: 0.05%



Run 4: Report of KohoCC — Data Link

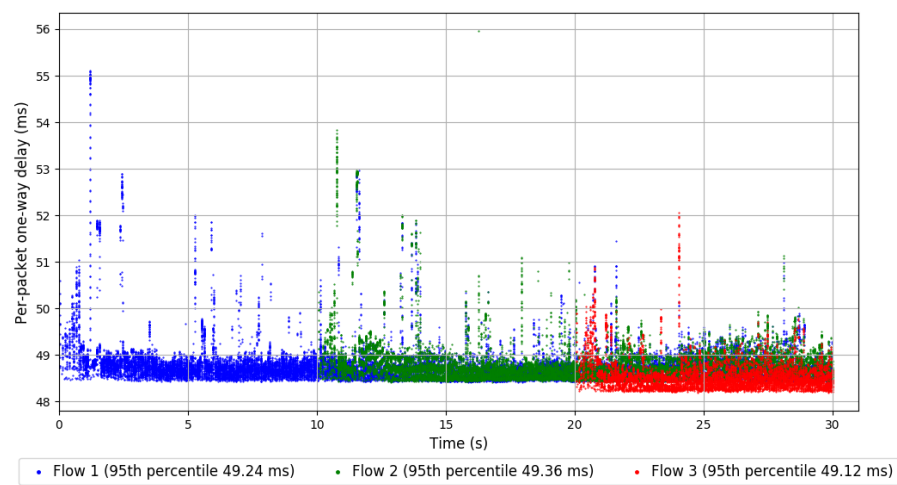
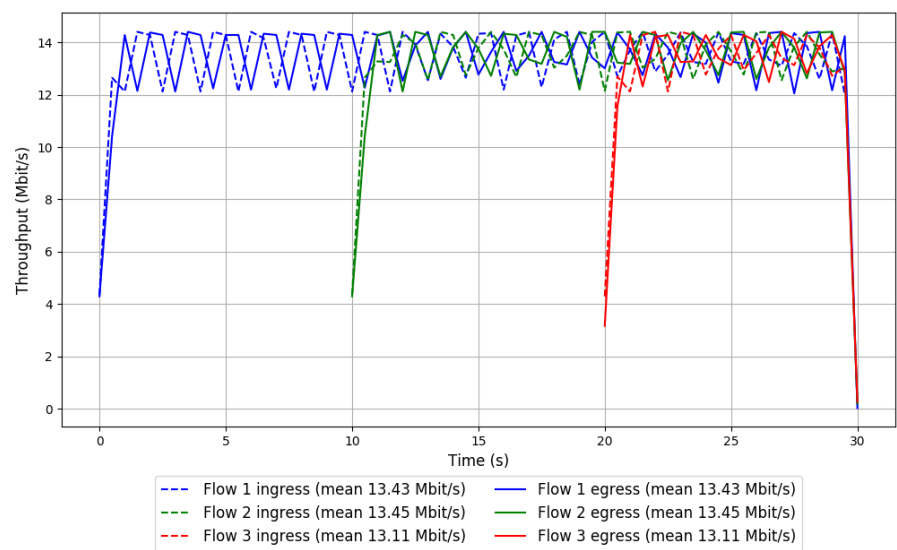


Run 5: Statistics of KohoCC

Start at: 2017-08-11 10:29:12  
End at: 2017-08-11 10:29:42  
Local clock offset: 0.307 ms  
Remote clock offset: -3.676 ms

# Below is generated by plot.py at 2017-08-11 13:21:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.73 Mbit/s  
95th percentile per-packet one-way delay: 49.282 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.43 Mbit/s  
95th percentile per-packet one-way delay: 49.237 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 13.45 Mbit/s  
95th percentile per-packet one-way delay: 49.359 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.11 Mbit/s  
95th percentile per-packet one-way delay: 49.117 ms  
Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link

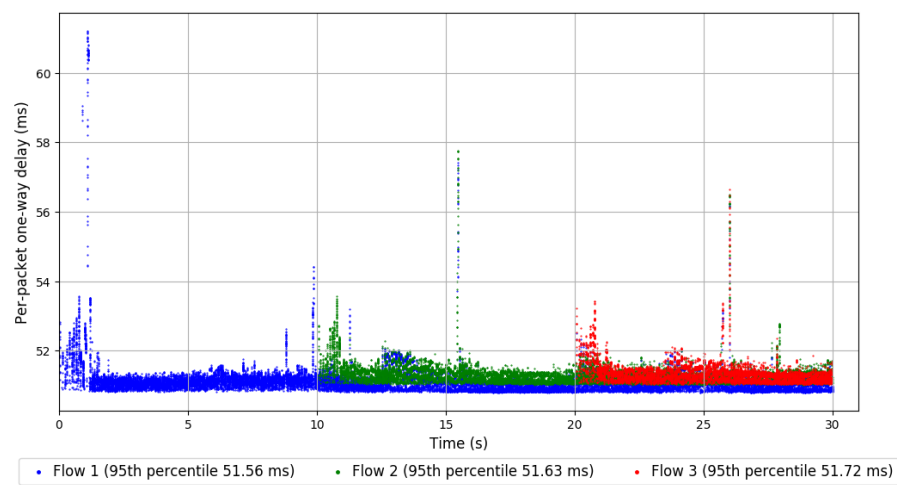
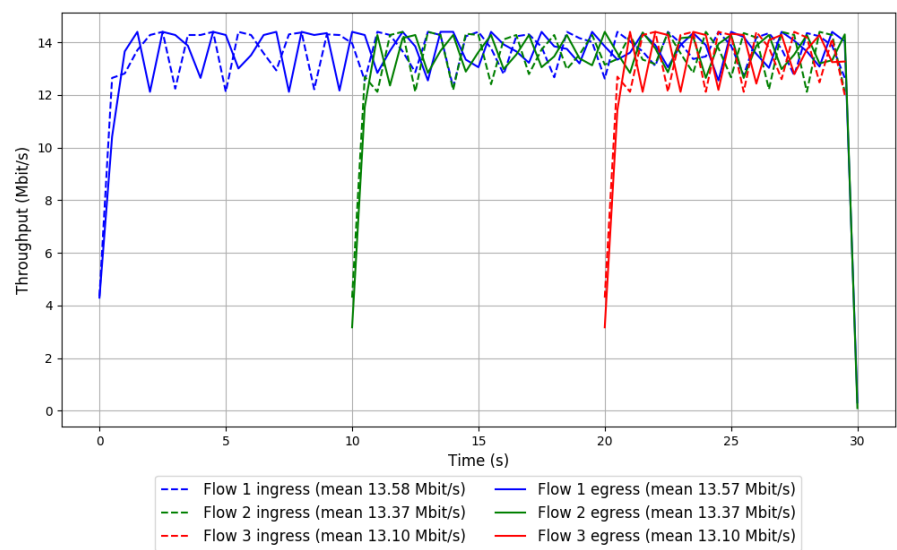


Run 6: Statistics of KohoCC

Start at: 2017-08-11 10:50:10  
End at: 2017-08-11 10:50:40  
Local clock offset: 0.3 ms  
Remote clock offset: -1.273 ms

# Below is generated by plot.py at 2017-08-11 13:21:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.80 Mbit/s  
95th percentile per-packet one-way delay: 51.640 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 13.57 Mbit/s  
95th percentile per-packet one-way delay: 51.558 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 13.37 Mbit/s  
95th percentile per-packet one-way delay: 51.633 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 51.721 ms  
Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link

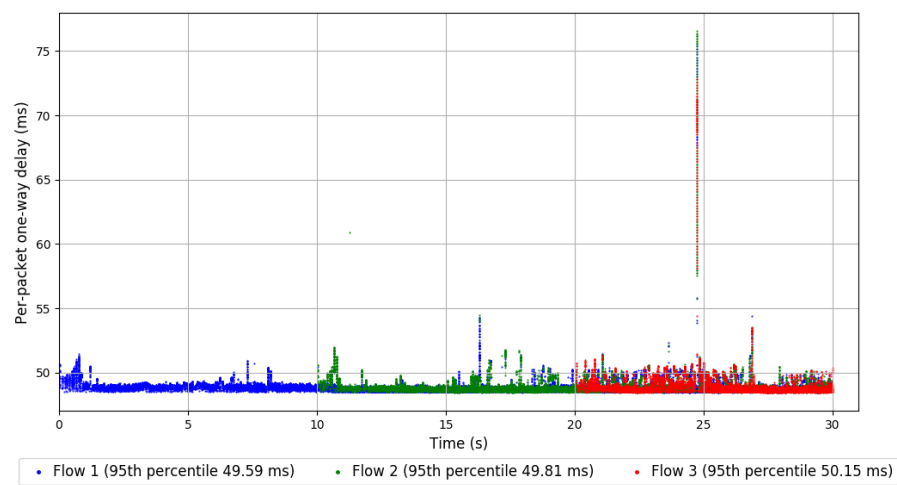
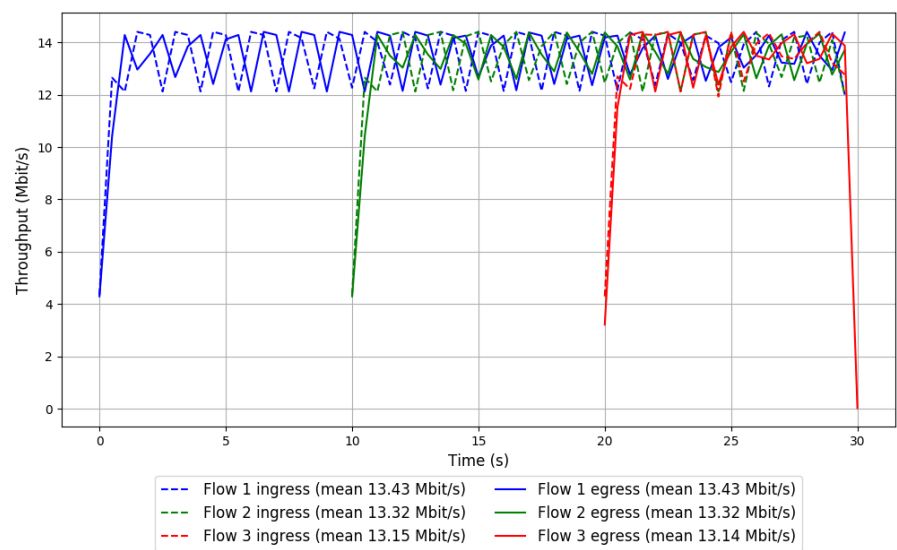


Run 7: Statistics of KohoCC

Start at: 2017-08-11 11:11:07  
End at: 2017-08-11 11:11:37  
Local clock offset: 0.347 ms  
Remote clock offset: -3.949 ms

# Below is generated by plot.py at 2017-08-11 13:21:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.64 Mbit/s  
95th percentile per-packet one-way delay: 49.803 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 13.43 Mbit/s  
95th percentile per-packet one-way delay: 49.587 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 13.32 Mbit/s  
95th percentile per-packet one-way delay: 49.808 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.14 Mbit/s  
95th percentile per-packet one-way delay: 50.145 ms  
Loss rate: 0.04%

Run 7: Report of KohoCC — Data Link



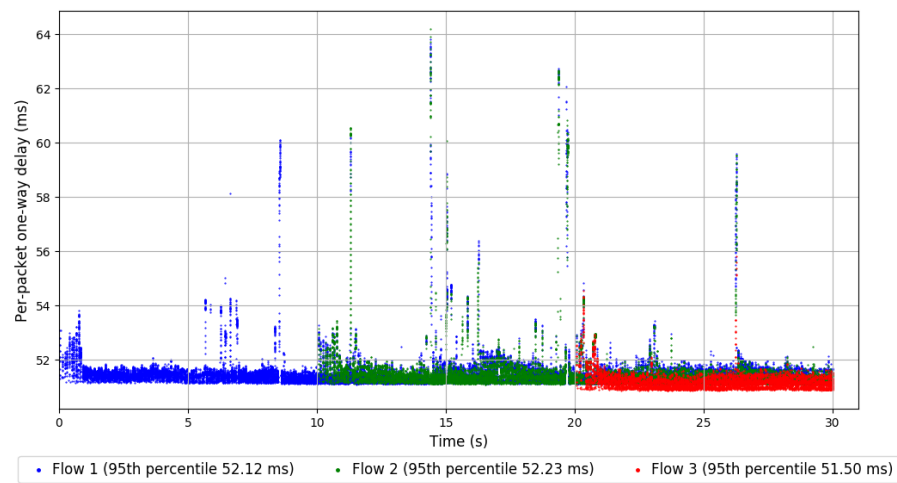
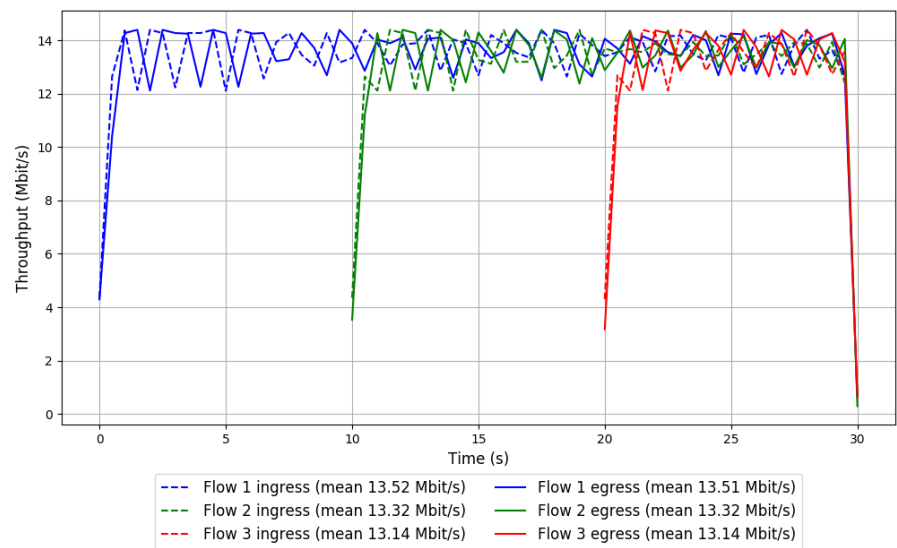
Run 8: Statistics of KohoCC

Start at: 2017-08-11 11:32:09  
End at: 2017-08-11 11:32:39  
Local clock offset: 0.385 ms  
Remote clock offset: -1.179 ms

# Below is generated by plot.py at 2017-08-11 13:21:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.73 Mbit/s  
95th percentile per-packet one-way delay: 52.043 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 13.51 Mbit/s  
95th percentile per-packet one-way delay: 52.119 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 13.32 Mbit/s  
95th percentile per-packet one-way delay: 52.228 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 13.14 Mbit/s  
95th percentile per-packet one-way delay: 51.500 ms  
Loss rate: 0.00%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-08-11 11:53:12

End at: 2017-08-11 11:53:42

Local clock offset: 0.584 ms

Remote clock offset: -1.13 ms

# Below is generated by plot.py at 2017-08-11 13:21:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 51.241 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.55 Mbit/s

95th percentile per-packet one-way delay: 51.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.61 Mbit/s

95th percentile per-packet one-way delay: 50.073 ms

Loss rate: 0.00%

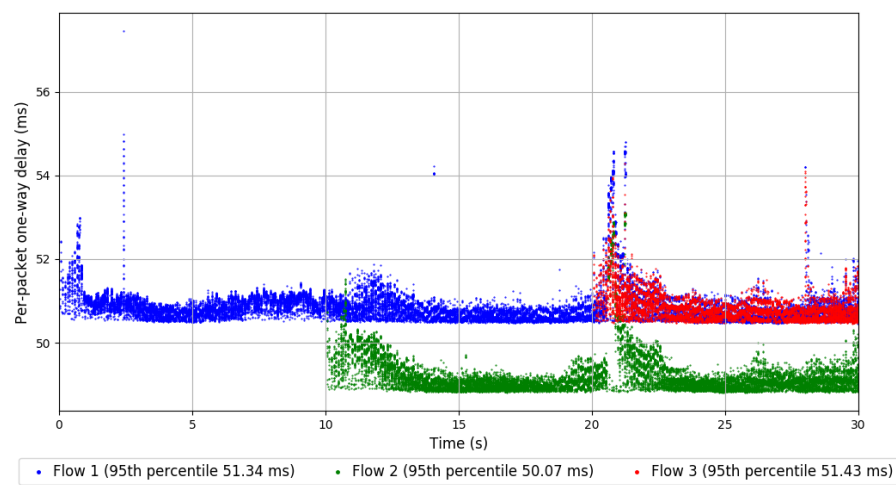
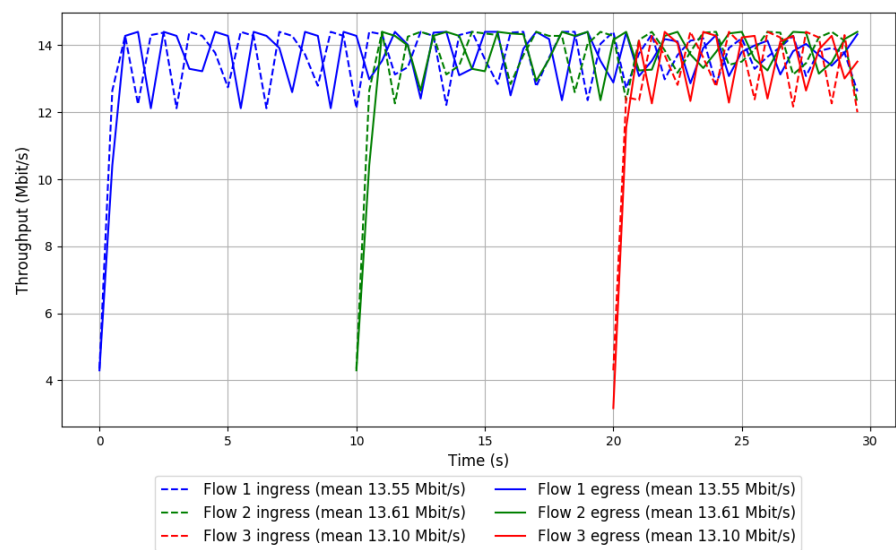
-- Flow 3:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 51.427 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link

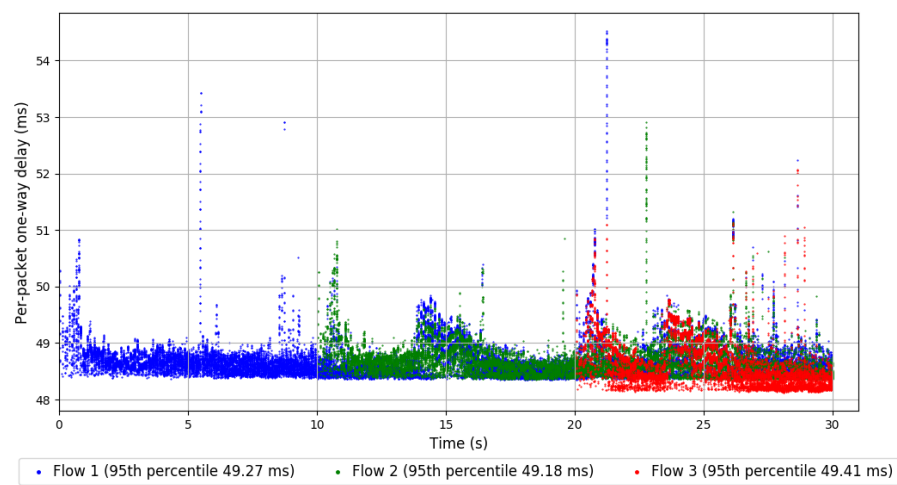
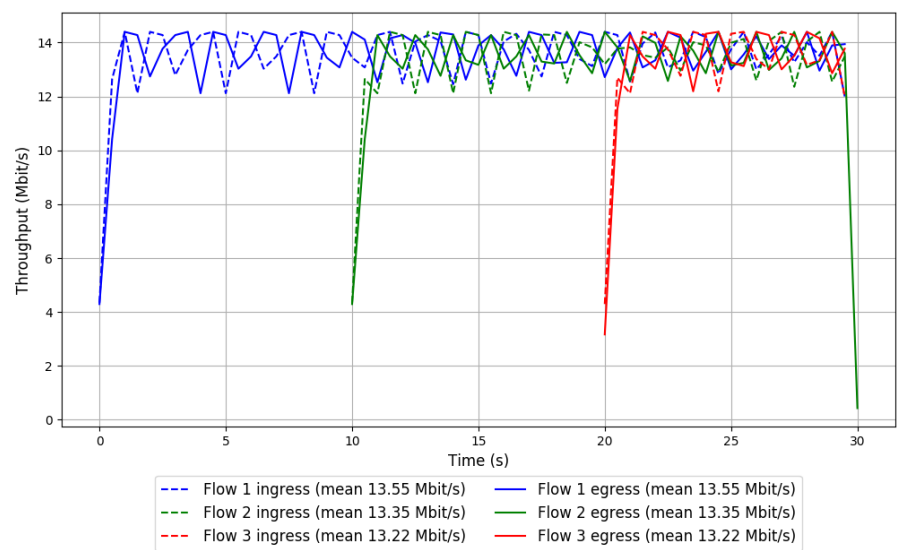


Run 10: Statistics of KohoCC

Start at: 2017-08-11 12:14:15  
End at: 2017-08-11 12:14:45  
Local clock offset: 0.518 ms  
Remote clock offset: -2.739 ms

# Below is generated by plot.py at 2017-08-11 13:21:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.81 Mbit/s  
95th percentile per-packet one-way delay: 49.270 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.55 Mbit/s  
95th percentile per-packet one-way delay: 49.273 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 13.35 Mbit/s  
95th percentile per-packet one-way delay: 49.180 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.22 Mbit/s  
95th percentile per-packet one-way delay: 49.408 ms  
Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link

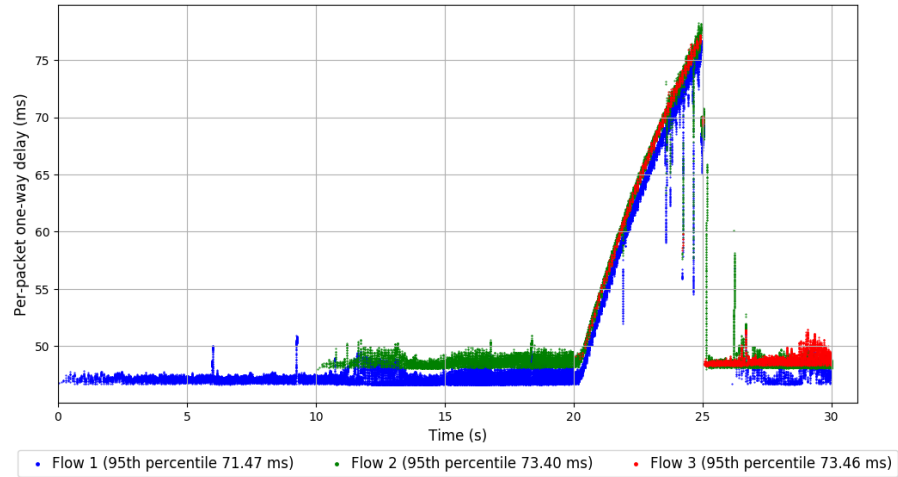
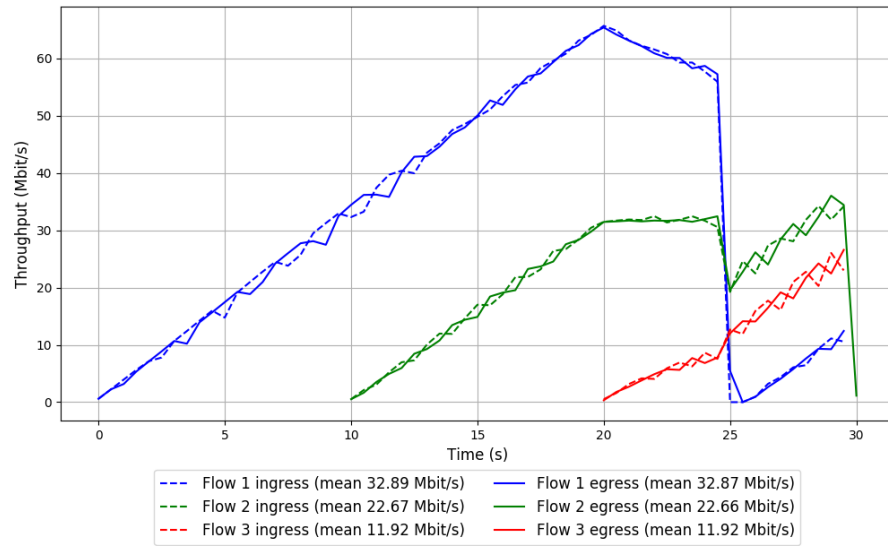


```
Run 1: Statistics of LEDBAT

Start at: 2017-08-11 09:23:32
End at: 2017-08-11 09:24:02
Local clock offset: 0.142 ms
Remote clock offset: -2.459 ms

# Below is generated by plot.py at 2017-08-11 13:22:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 72.227 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 71.471 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 73.397 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 73.459 ms
Loss rate: 0.00%
```

# Run 1: Report of LEDBAT — Data Link



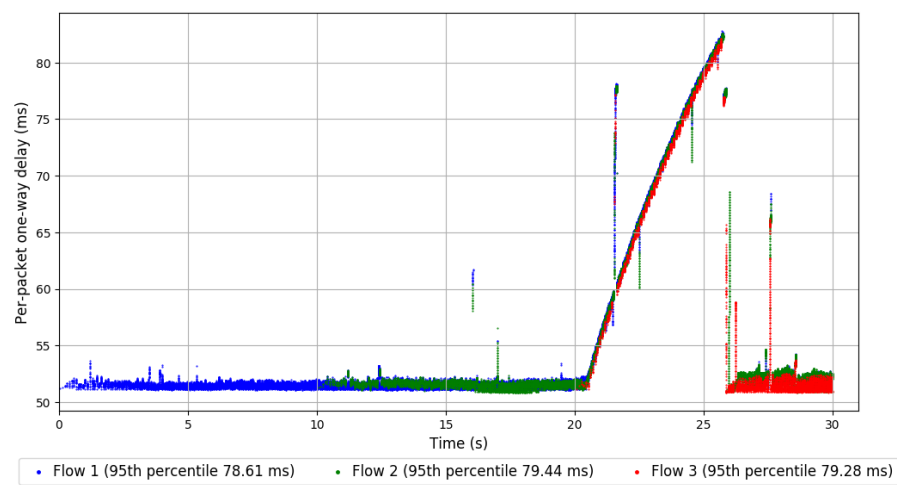
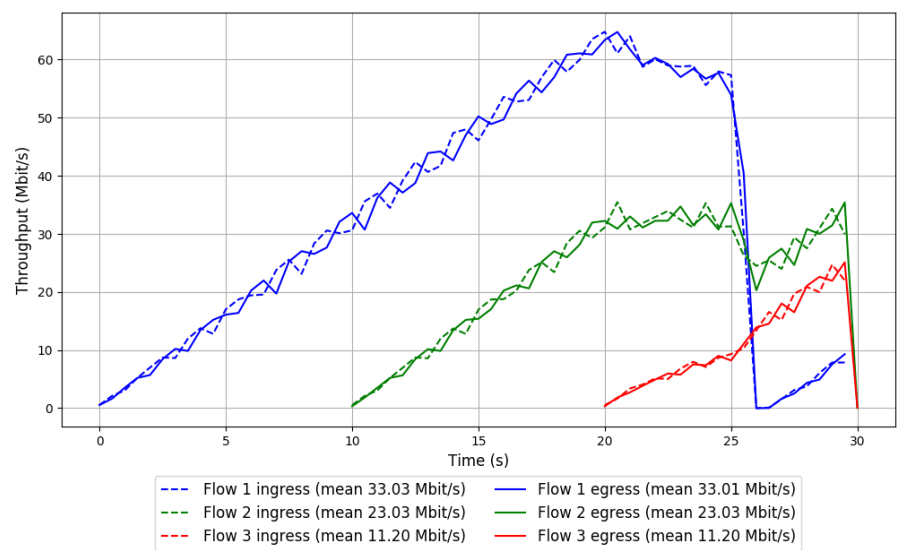
Run 2: Statistics of LEDBAT

Start at: 2017-08-11 09:44:28  
End at: 2017-08-11 09:44:58  
Local clock offset: 0.156 ms  
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2017-08-11 13:22:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 52.03 Mbit/s  
95th percentile per-packet one-way delay: 78.937 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 33.01 Mbit/s  
95th percentile per-packet one-way delay: 78.605 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 23.03 Mbit/s  
95th percentile per-packet one-way delay: 79.438 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.20 Mbit/s  
95th percentile per-packet one-way delay: 79.280 ms  
Loss rate: 0.00%



Run 2: Report of LEDBAT — Data Link

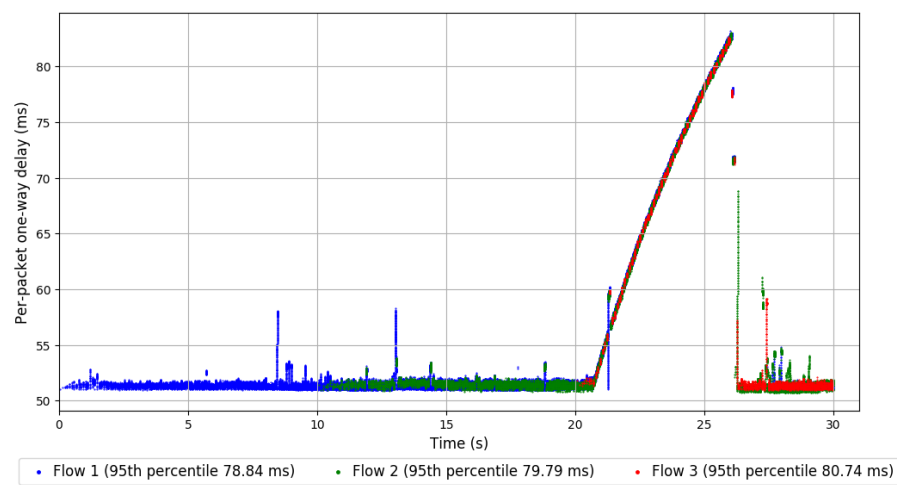
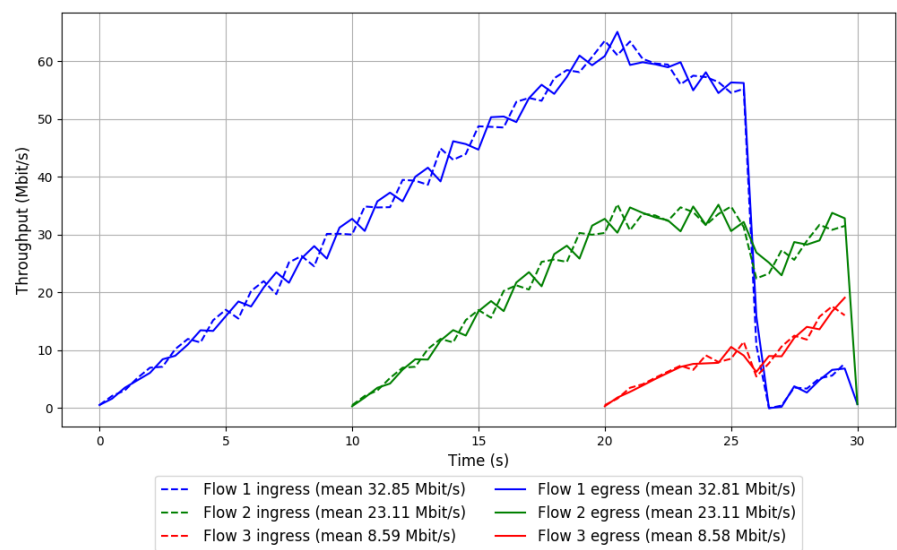


Run 3: Statistics of LEDBAT

Start at: 2017-08-11 10:05:24  
End at: 2017-08-11 10:05:54  
Local clock offset: 0.214 ms  
Remote clock offset: -0.692 ms

# Below is generated by plot.py at 2017-08-11 13:22:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 51.03 Mbit/s  
95th percentile per-packet one-way delay: 79.309 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 78.837 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 23.11 Mbit/s  
95th percentile per-packet one-way delay: 79.788 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 8.58 Mbit/s  
95th percentile per-packet one-way delay: 80.736 ms  
Loss rate: 0.11%

Run 3: Report of LEDBAT — Data Link

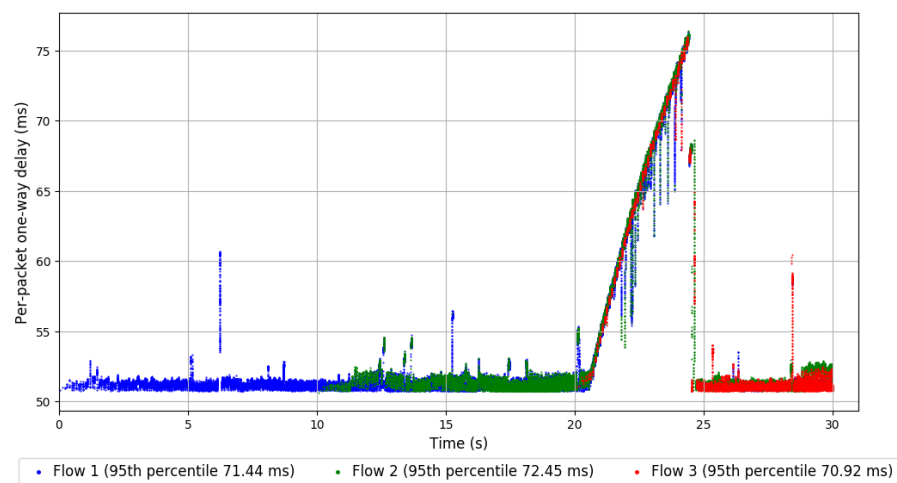
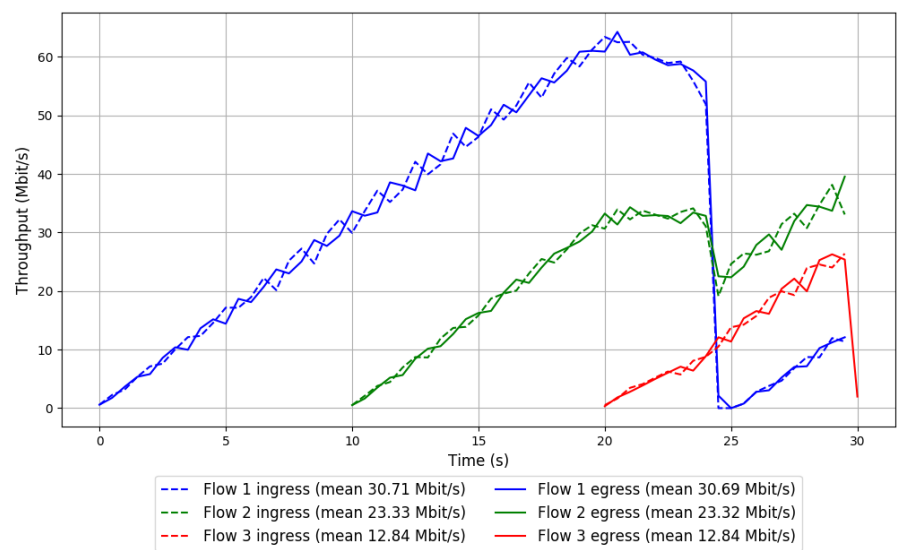


Run 4: Statistics of LEDBAT

Start at: 2017-08-11 10:26:24  
End at: 2017-08-11 10:26:54  
Local clock offset: 0.221 ms  
Remote clock offset: -1.178 ms

# Below is generated by plot.py at 2017-08-11 13:22:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 50.38 Mbit/s  
95th percentile per-packet one-way delay: 71.721 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 30.69 Mbit/s  
95th percentile per-packet one-way delay: 71.435 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 23.32 Mbit/s  
95th percentile per-packet one-way delay: 72.446 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 12.84 Mbit/s  
95th percentile per-packet one-way delay: 70.919 ms  
Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

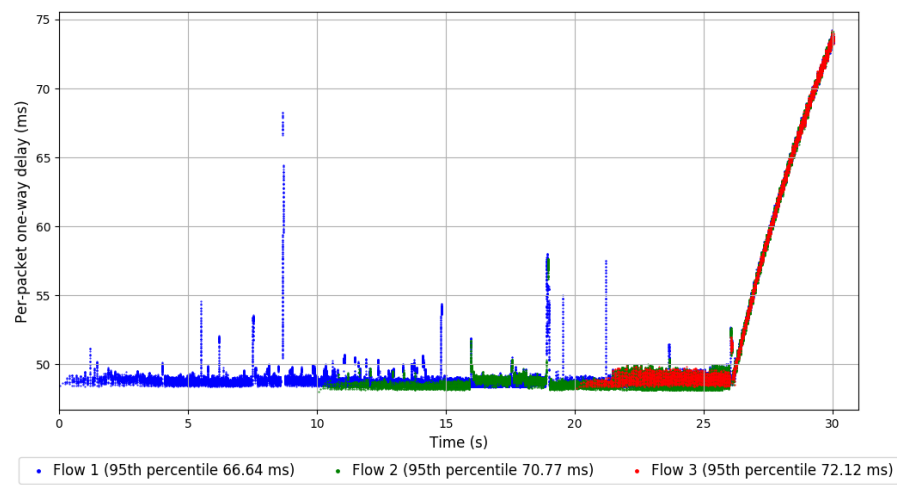
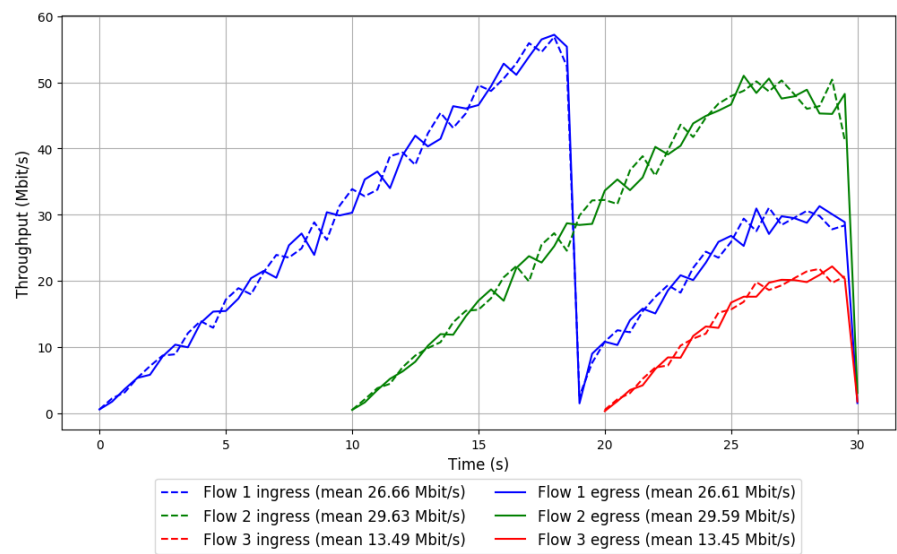


Run 5: Statistics of LEDBAT

Start at: 2017-08-11 10:47:24  
End at: 2017-08-11 10:47:54  
Local clock offset: 0.385 ms  
Remote clock offset: -3.856 ms

# Below is generated by plot.py at 2017-08-11 13:22:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 50.78 Mbit/s  
95th percentile per-packet one-way delay: 69.819 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 26.61 Mbit/s  
95th percentile per-packet one-way delay: 66.640 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 29.59 Mbit/s  
95th percentile per-packet one-way delay: 70.766 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 13.45 Mbit/s  
95th percentile per-packet one-way delay: 72.116 ms  
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



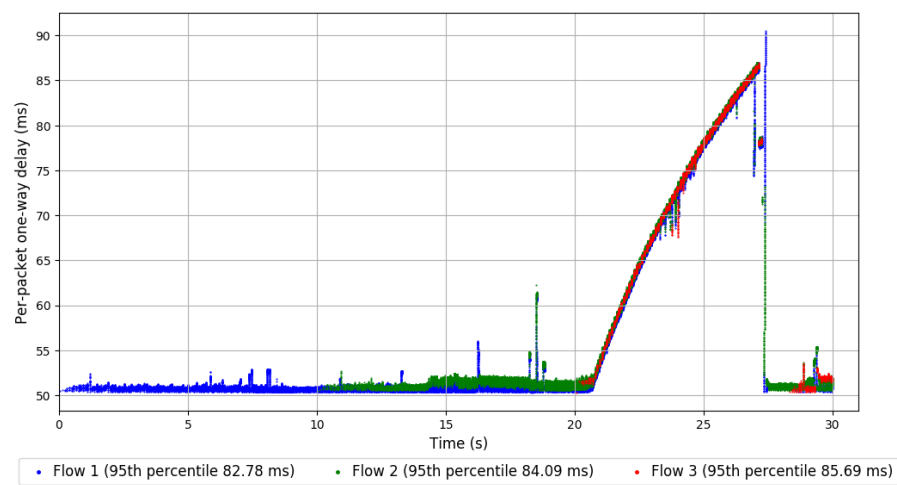
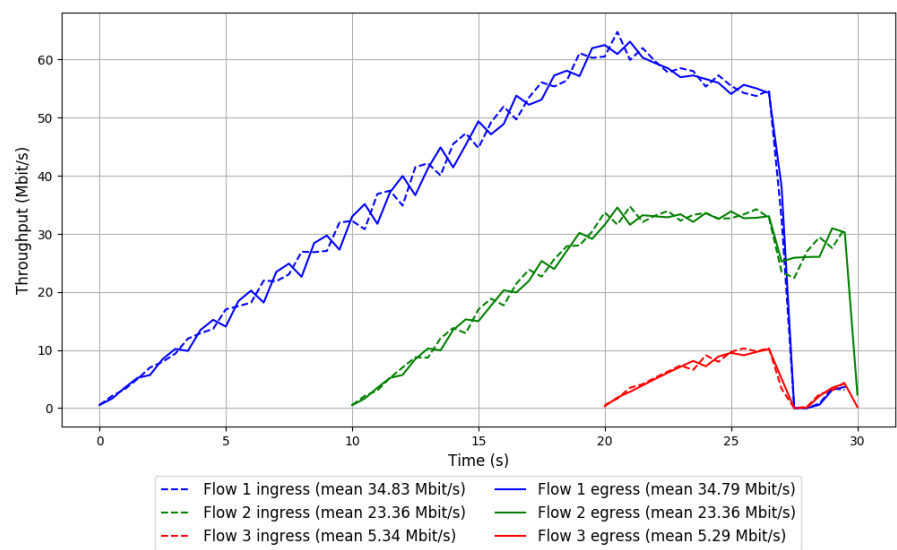
Run 6: Statistics of LEDBAT

Start at: 2017-08-11 11:08:21  
End at: 2017-08-11 11:08:51  
Local clock offset: 0.351 ms  
Remote clock offset: -1.843 ms

# Below is generated by plot.py at 2017-08-11 13:22:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 52.07 Mbit/s  
95th percentile per-packet one-way delay: 83.533 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 34.79 Mbit/s  
95th percentile per-packet one-way delay: 82.785 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 23.36 Mbit/s  
95th percentile per-packet one-way delay: 84.093 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 5.29 Mbit/s  
95th percentile per-packet one-way delay: 85.686 ms  
Loss rate: 0.84%



Run 6: Report of LEDBAT — Data Link

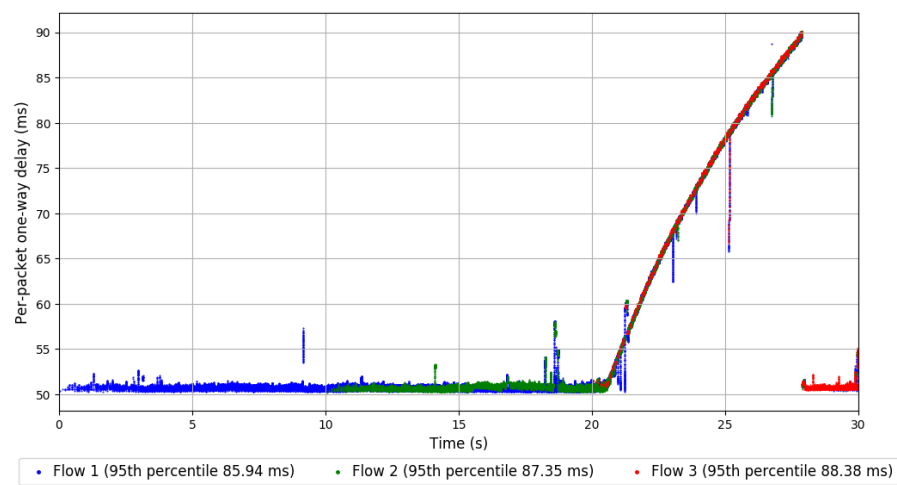
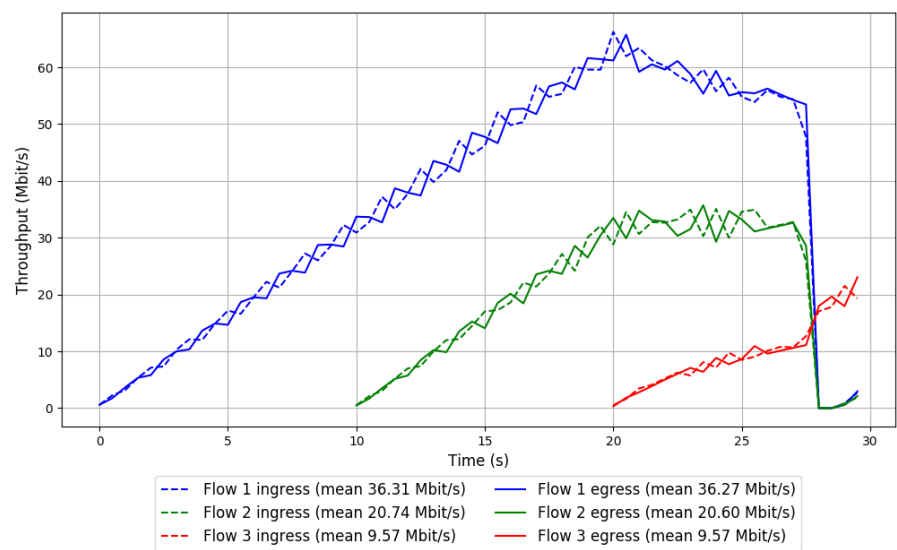


Run 7: Statistics of LEDBAT

Start at: 2017-08-11 11:29:21  
End at: 2017-08-11 11:29:51  
Local clock offset: 0.454 ms  
Remote clock offset: -1.689 ms

# Below is generated by plot.py at 2017-08-11 13:22:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.12 Mbit/s  
95th percentile per-packet one-way delay: 86.783 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 36.27 Mbit/s  
95th percentile per-packet one-way delay: 85.942 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 20.60 Mbit/s  
95th percentile per-packet one-way delay: 87.347 ms  
Loss rate: 0.67%  
-- Flow 3:  
Average throughput: 9.57 Mbit/s  
95th percentile per-packet one-way delay: 88.382 ms  
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-08-11 11:50:24

End at: 2017-08-11 11:50:54

Local clock offset: 0.581 ms

Remote clock offset: -0.8 ms

# Below is generated by plot.py at 2017-08-11 13:22:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 87.279 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 36.40 Mbit/s

95th percentile per-packet one-way delay: 86.571 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 87.761 ms

Loss rate: 0.32%

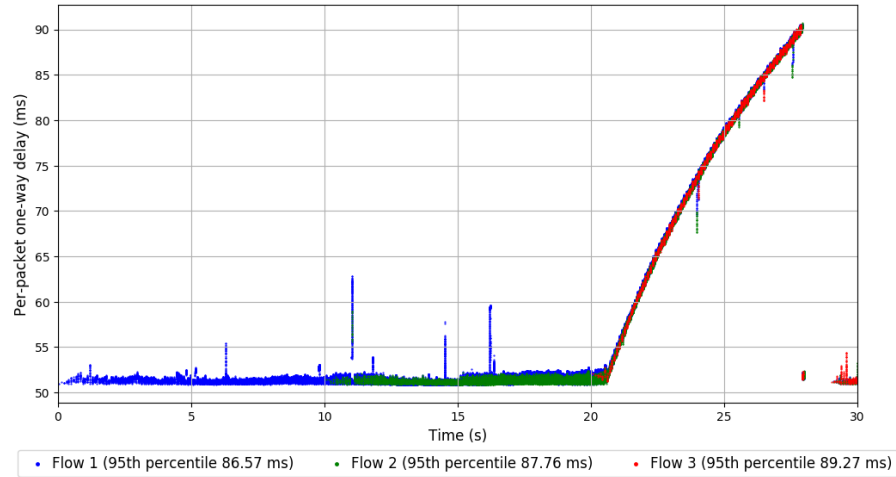
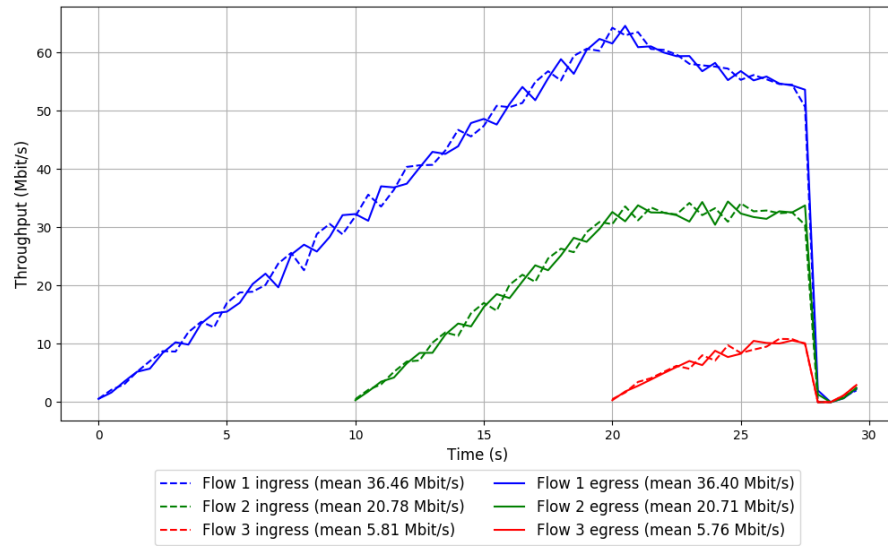
-- Flow 3:

Average throughput: 5.76 Mbit/s

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

Loss rate: 0.82%

## Run 8: Report of LEDBAT — Data Link

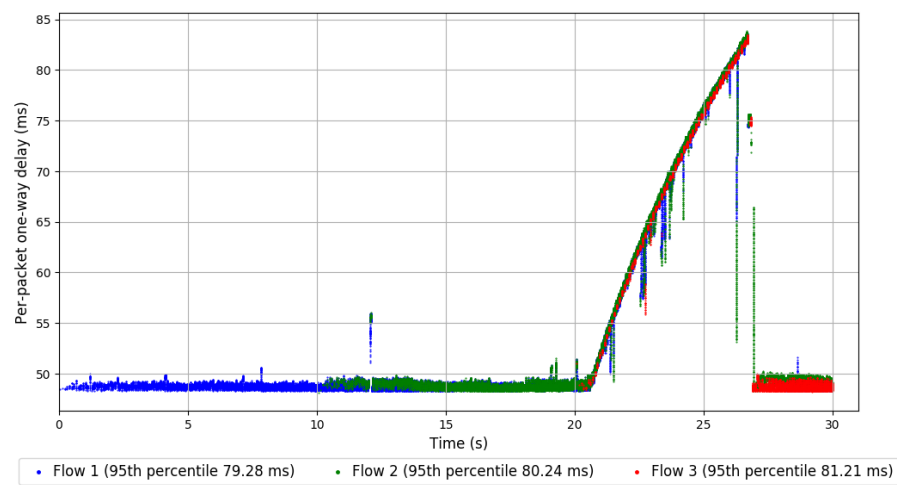
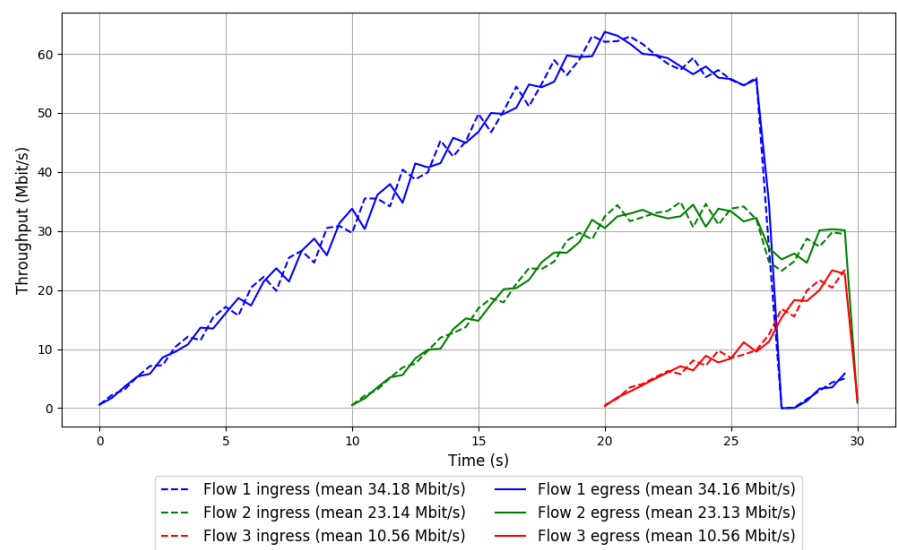


Run 9: Statistics of LEDBAT

Start at: 2017-08-11 12:11:24  
End at: 2017-08-11 12:11:54  
Local clock offset: 0.595 ms  
Remote clock offset: -2.812 ms

# Below is generated by plot.py at 2017-08-11 13:22:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.00 Mbit/s  
95th percentile per-packet one-way delay: 79.794 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 34.16 Mbit/s  
95th percentile per-packet one-way delay: 79.285 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 23.13 Mbit/s  
95th percentile per-packet one-way delay: 80.243 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 10.56 Mbit/s  
95th percentile per-packet one-way delay: 81.206 ms  
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



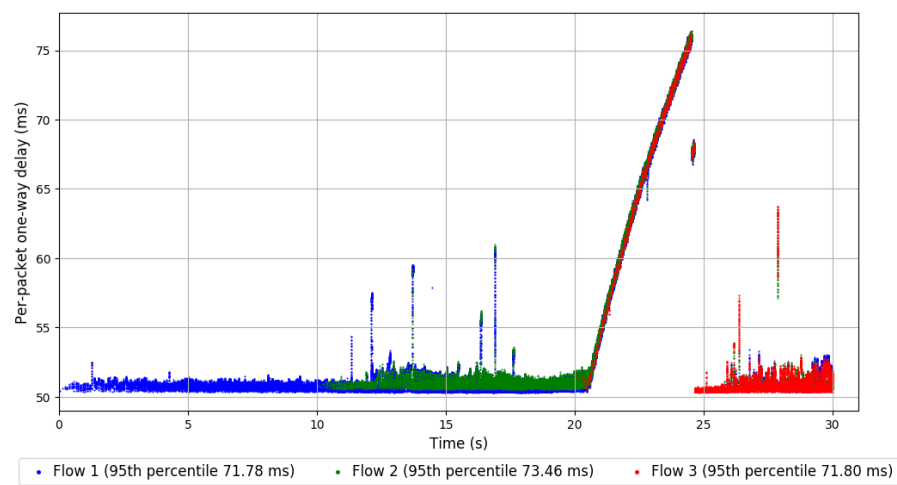
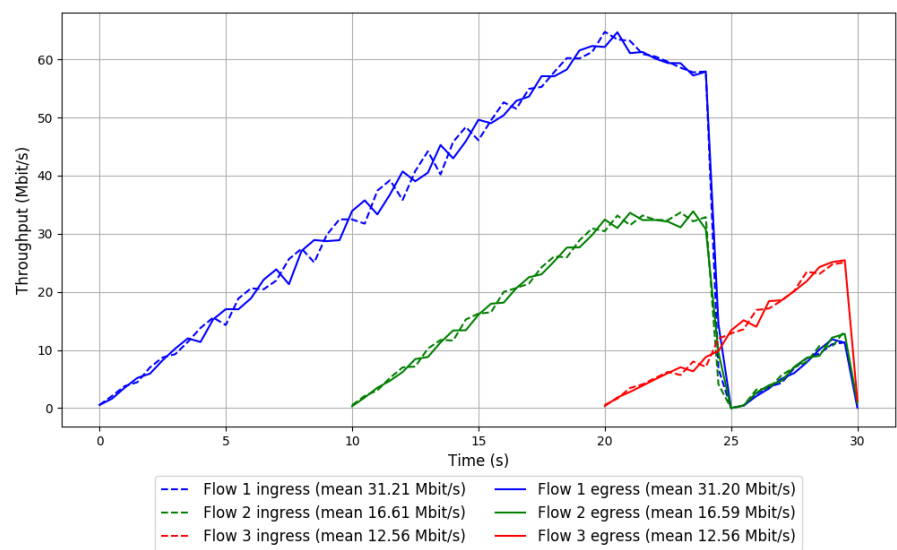
Run 10: Statistics of LEDBAT

Start at: 2017-08-11 12:32:33  
End at: 2017-08-11 12:33:03  
Local clock offset: 0.486 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2017-08-11 13:22:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 46.41 Mbit/s  
95th percentile per-packet one-way delay: 72.301 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 31.20 Mbit/s  
95th percentile per-packet one-way delay: 71.784 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 16.59 Mbit/s  
95th percentile per-packet one-way delay: 73.461 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 12.56 Mbit/s  
95th percentile per-packet one-way delay: 71.795 ms  
Loss rate: 0.00%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

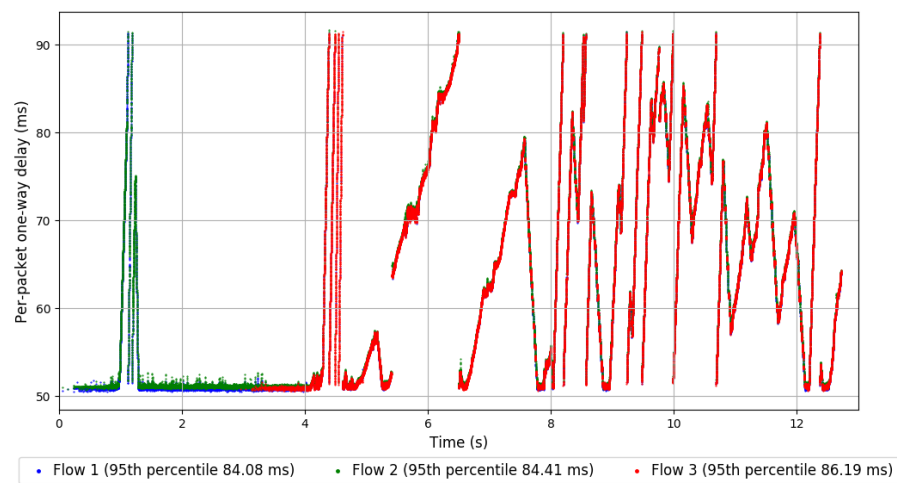
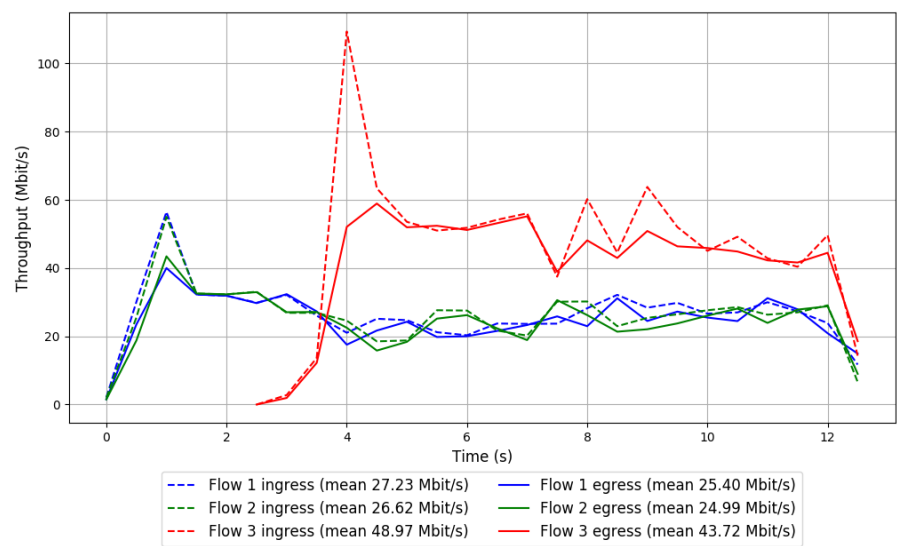
Start at: 2017-08-11 09:06:43

End at: 2017-08-11 09:07:13

Local clock offset: 0.097 ms

Remote clock offset: 0.466 ms

Run 1: Report of PCC — Data Link

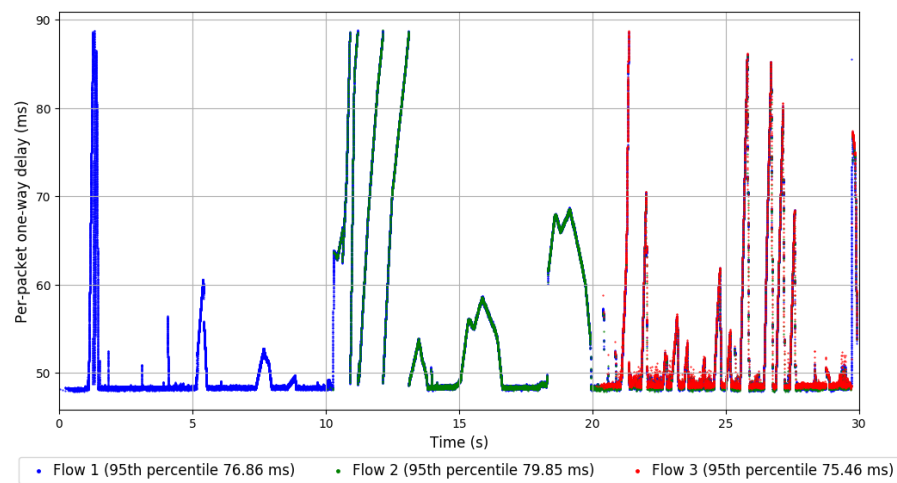
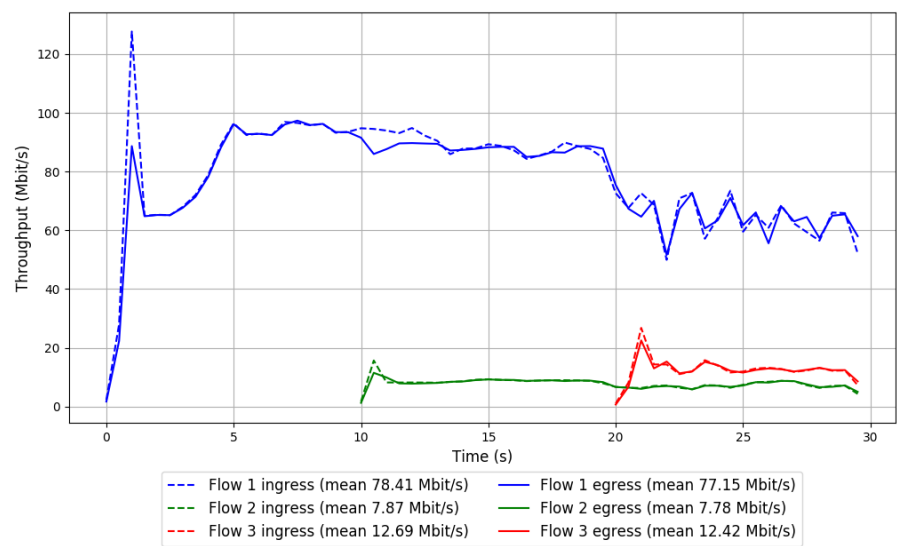


Run 2: Statistics of PCC

Start at: 2017-08-11 09:27:39  
End at: 2017-08-11 09:28:09  
Local clock offset: 0.141 ms  
Remote clock offset: -2.556 ms

# Below is generated by plot.py at 2017-08-11 13:22:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 76.957 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 77.15 Mbit/s  
95th percentile per-packet one-way delay: 76.859 ms  
Loss rate: 1.59%  
-- Flow 2:  
Average throughput: 7.78 Mbit/s  
95th percentile per-packet one-way delay: 79.849 ms  
Loss rate: 1.24%  
-- Flow 3:  
Average throughput: 12.42 Mbit/s  
95th percentile per-packet one-way delay: 75.458 ms  
Loss rate: 2.09%

Run 2: Report of PCC — Data Link

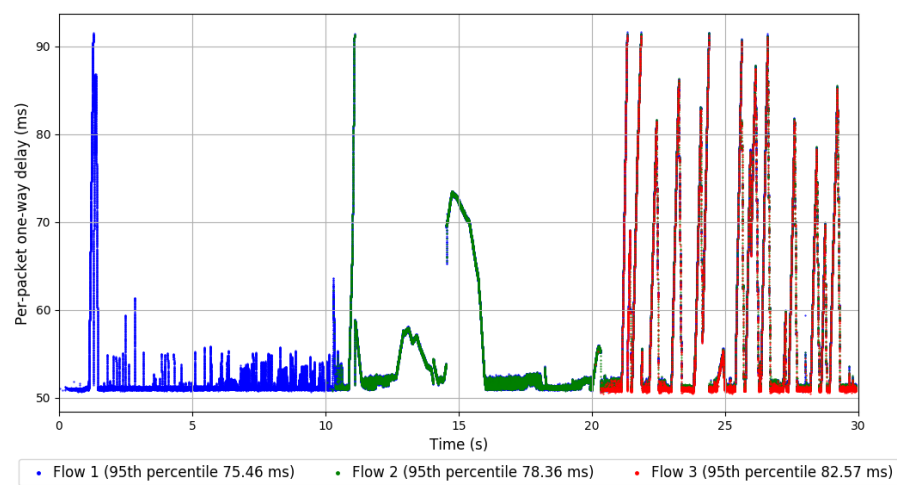
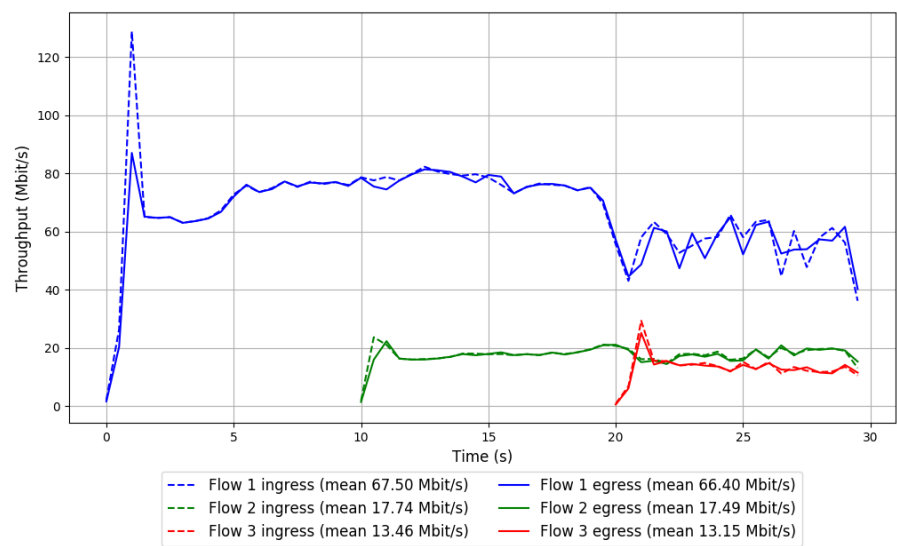


Run 3: Statistics of PCC

Start at: 2017-08-11 09:48:36  
End at: 2017-08-11 09:49:06  
Local clock offset: 0.185 ms  
Remote clock offset: -0.445 ms

# Below is generated by plot.py at 2017-08-11 13:22:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.32 Mbit/s  
95th percentile per-packet one-way delay: 76.882 ms  
Loss rate: 1.63%  
-- Flow 1:  
Average throughput: 66.40 Mbit/s  
95th percentile per-packet one-way delay: 75.462 ms  
Loss rate: 1.62%  
-- Flow 2:  
Average throughput: 17.49 Mbit/s  
95th percentile per-packet one-way delay: 78.363 ms  
Loss rate: 1.40%  
-- Flow 3:  
Average throughput: 13.15 Mbit/s  
95th percentile per-packet one-way delay: 82.567 ms  
Loss rate: 2.35%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-08-11 10:09:33

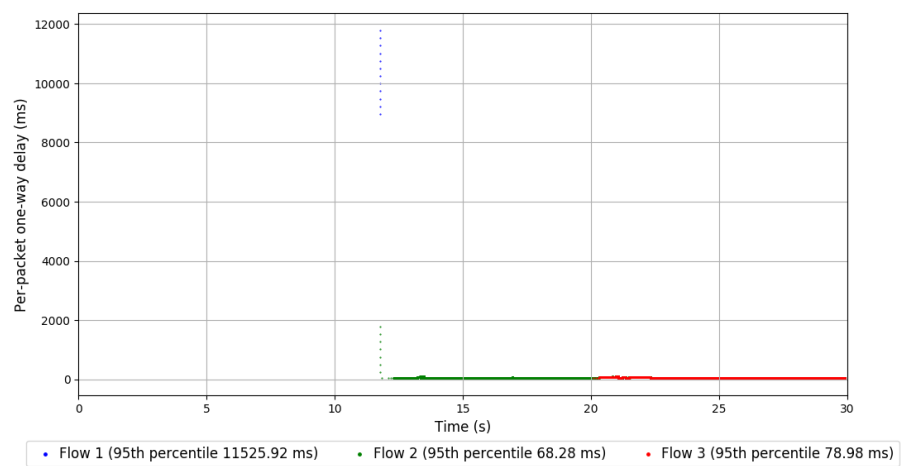
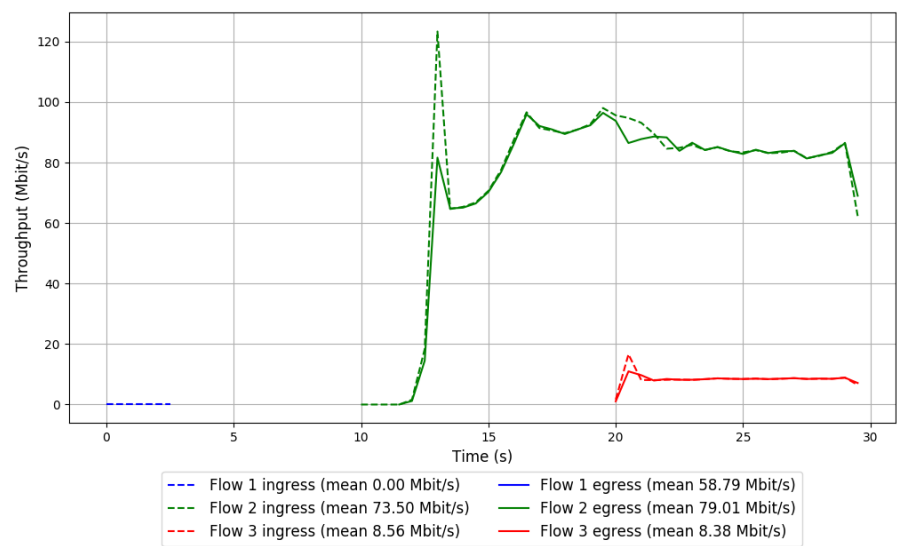
End at: 2017-08-11 10:10:03

Local clock offset: 0.148 ms

Remote clock offset: -1.353 ms



Run 4: Report of PCC — Data Link

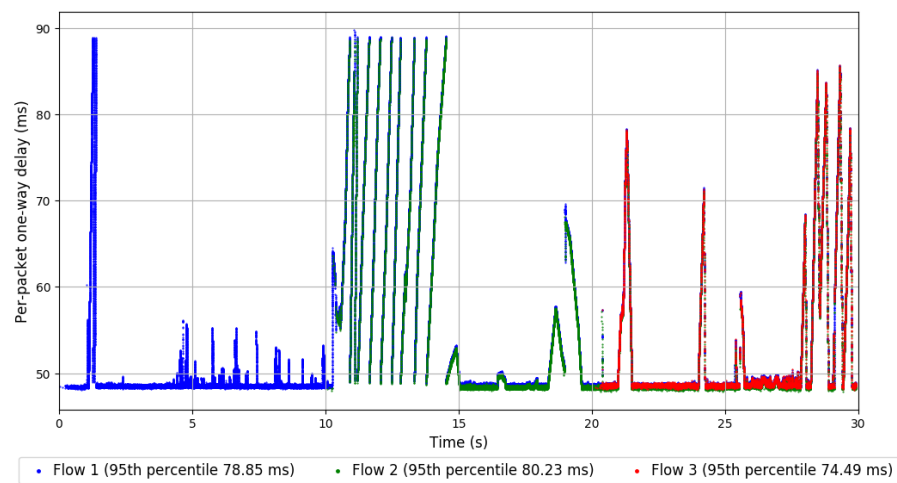
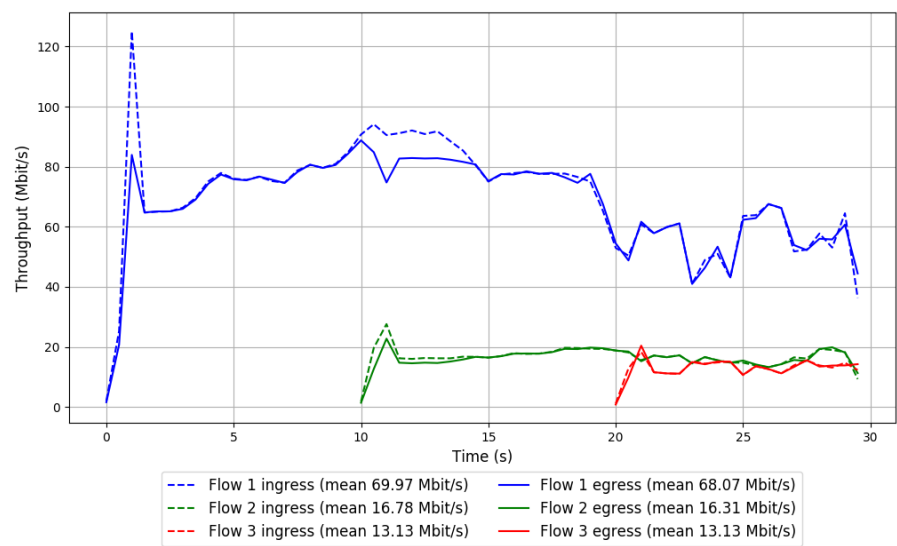


Run 5: Statistics of PCC

Start at: 2017-08-11 10:30:34  
End at: 2017-08-11 10:31:04  
Local clock offset: 0.323 ms  
Remote clock offset: -3.742 ms

# Below is generated by plot.py at 2017-08-11 13:22:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.22 Mbit/s  
95th percentile per-packet one-way delay: 78.806 ms  
Loss rate: 2.59%  
-- Flow 1:  
Average throughput: 68.07 Mbit/s  
95th percentile per-packet one-way delay: 78.846 ms  
Loss rate: 2.71%  
-- Flow 2:  
Average throughput: 16.31 Mbit/s  
95th percentile per-packet one-way delay: 80.232 ms  
Loss rate: 2.82%  
-- Flow 3:  
Average throughput: 13.13 Mbit/s  
95th percentile per-packet one-way delay: 74.491 ms  
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

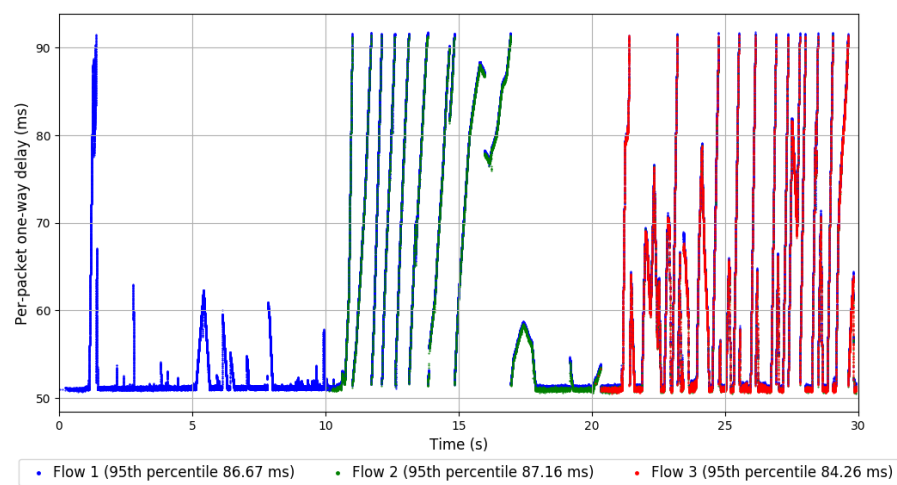
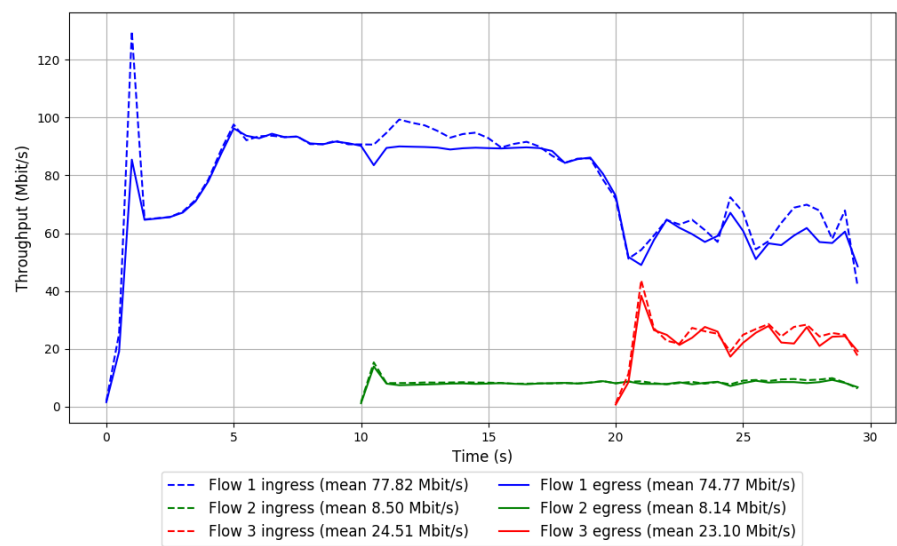


Run 6: Statistics of PCC

Start at: 2017-08-11 10:51:31  
End at: 2017-08-11 10:52:01  
Local clock offset: 0.392 ms  
Remote clock offset: -1.254 ms

# Below is generated by plot.py at 2017-08-11 13:23:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.72 Mbit/s  
95th percentile per-packet one-way delay: 86.606 ms  
Loss rate: 4.11%  
-- Flow 1:  
Average throughput: 74.77 Mbit/s  
95th percentile per-packet one-way delay: 86.667 ms  
Loss rate: 3.93%  
-- Flow 2:  
Average throughput: 8.14 Mbit/s  
95th percentile per-packet one-way delay: 87.164 ms  
Loss rate: 4.21%  
-- Flow 3:  
Average throughput: 23.10 Mbit/s  
95th percentile per-packet one-way delay: 84.257 ms  
Loss rate: 5.74%

Run 6: Report of PCC — Data Link

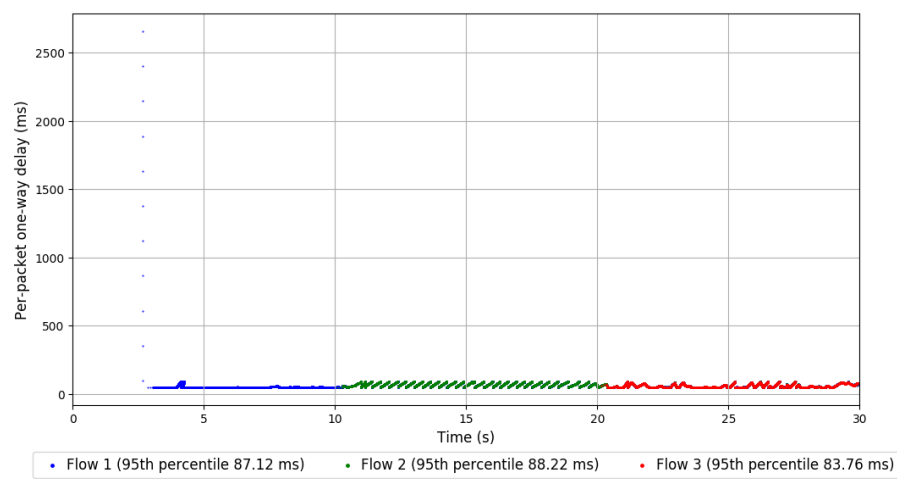
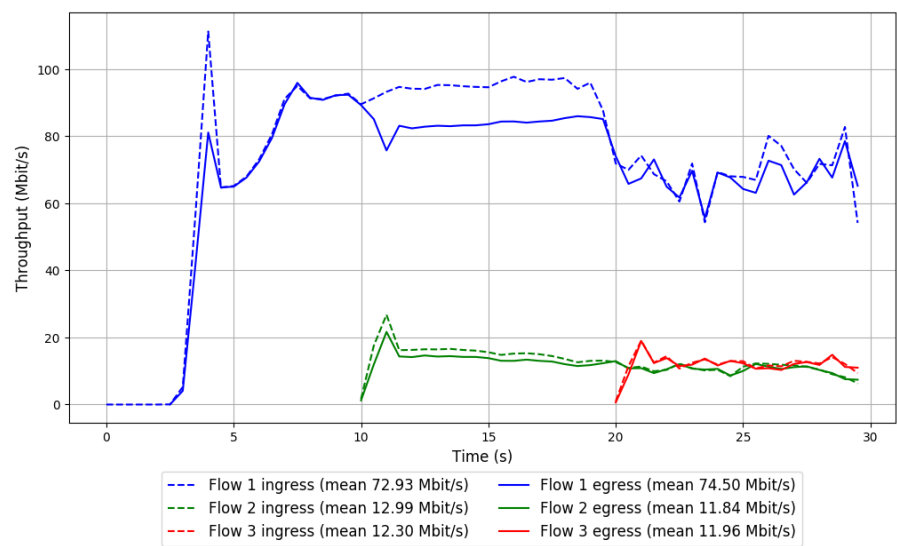


Run 7: Statistics of PCC

Start at: 2017-08-11 11:12:29  
End at: 2017-08-11 11:12:59  
Local clock offset: 0.363 ms  
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2017-08-11 13:23:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.38 Mbit/s  
95th percentile per-packet one-way delay: 87.132 ms  
Loss rate: 6.70%  
-- Flow 1:  
Average throughput: 74.50 Mbit/s  
95th percentile per-packet one-way delay: 87.118 ms  
Loss rate: 6.69%  
-- Flow 2:  
Average throughput: 11.84 Mbit/s  
95th percentile per-packet one-way delay: 88.225 ms  
Loss rate: 8.69%  
-- Flow 3:  
Average throughput: 11.96 Mbit/s  
95th percentile per-packet one-way delay: 83.757 ms  
Loss rate: 2.54%

Run 7: Report of PCC — Data Link



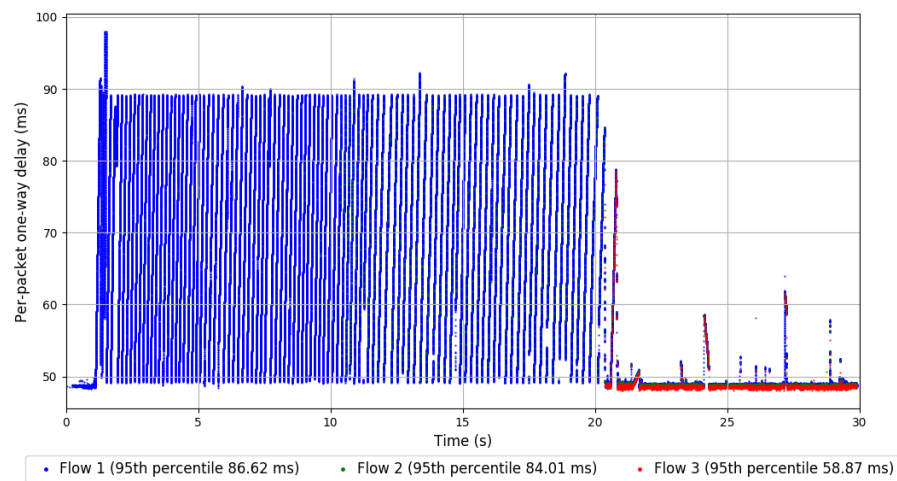
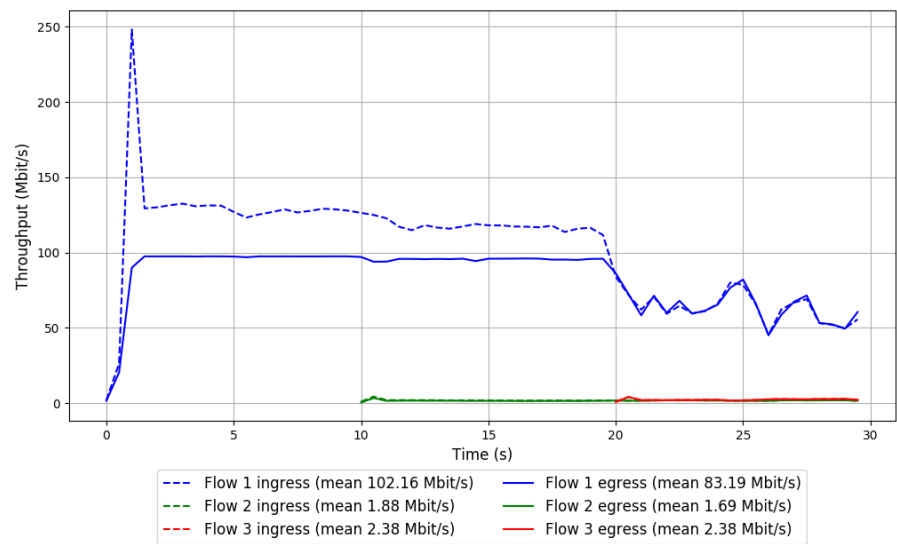
Run 8: Statistics of PCC

Start at: 2017-08-11 11:33:31  
End at: 2017-08-11 11:34:01  
Local clock offset: 0.393 ms  
Remote clock offset: -3.711 ms

# Below is generated by plot.py at 2017-08-11 13:23:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.08 Mbit/s  
95th percentile per-packet one-way delay: 86.560 ms  
Loss rate: 18.33%  
-- Flow 1:  
Average throughput: 83.19 Mbit/s  
95th percentile per-packet one-way delay: 86.618 ms  
Loss rate: 18.57%  
-- Flow 2:  
Average throughput: 1.69 Mbit/s  
95th percentile per-packet one-way delay: 84.014 ms  
Loss rate: 10.20%  
-- Flow 3:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 58.866 ms  
Loss rate: 0.00%



Run 8: Report of PCC — Data Link

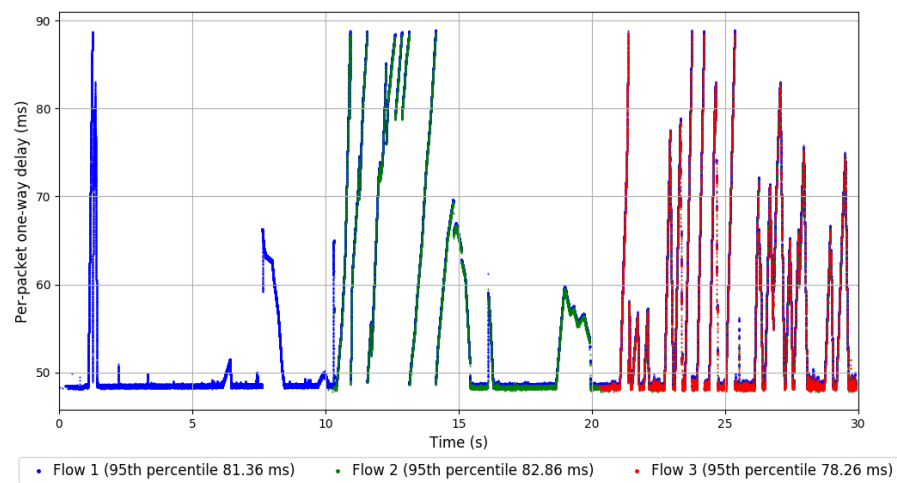
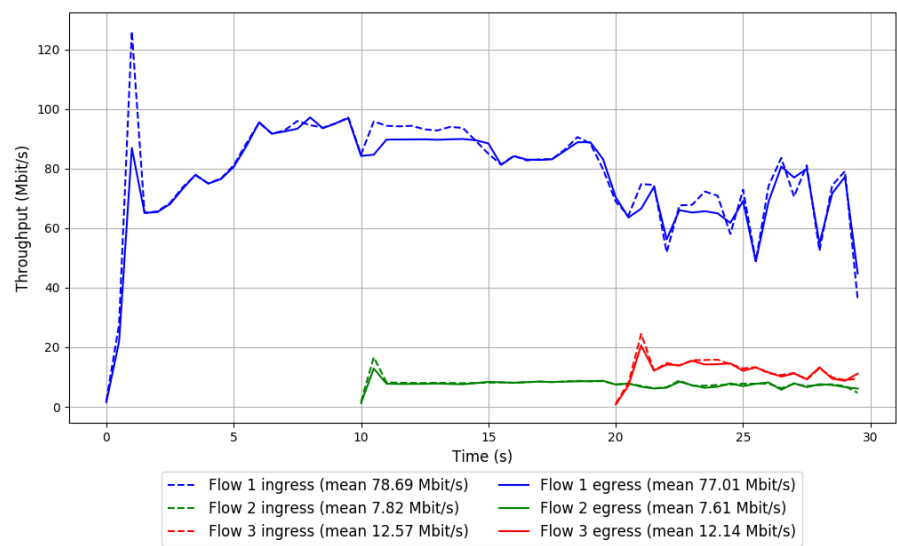


Run 9: Statistics of PCC

Start at: 2017-08-11 11:54:33  
End at: 2017-08-11 11:55:03  
Local clock offset: 0.602 ms  
Remote clock offset: -3.283 ms

# Below is generated by plot.py at 2017-08-11 13:23:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.04 Mbit/s  
95th percentile per-packet one-way delay: 81.370 ms  
Loss rate: 2.22%  
-- Flow 1:  
Average throughput: 77.01 Mbit/s  
95th percentile per-packet one-way delay: 81.355 ms  
Loss rate: 2.13%  
-- Flow 2:  
Average throughput: 7.61 Mbit/s  
95th percentile per-packet one-way delay: 82.859 ms  
Loss rate: 2.61%  
-- Flow 3:  
Average throughput: 12.14 Mbit/s  
95th percentile per-packet one-way delay: 78.258 ms  
Loss rate: 3.45%

Run 9: Report of PCC — Data Link

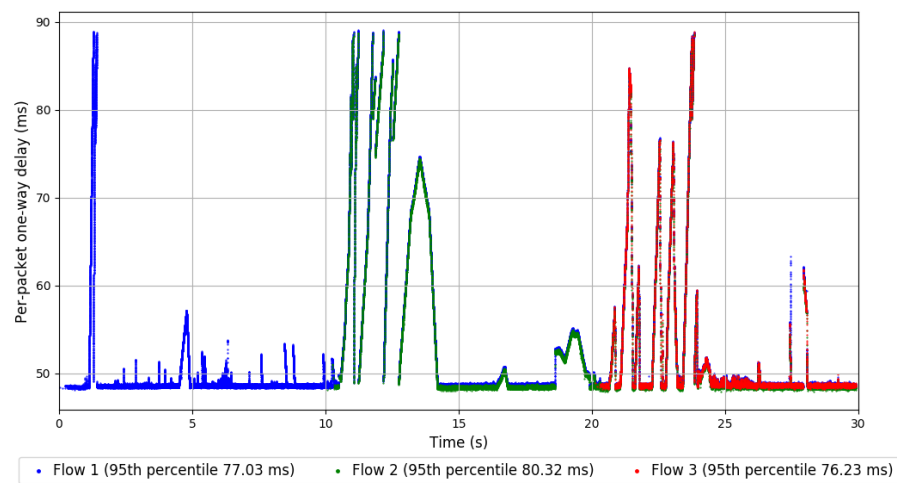
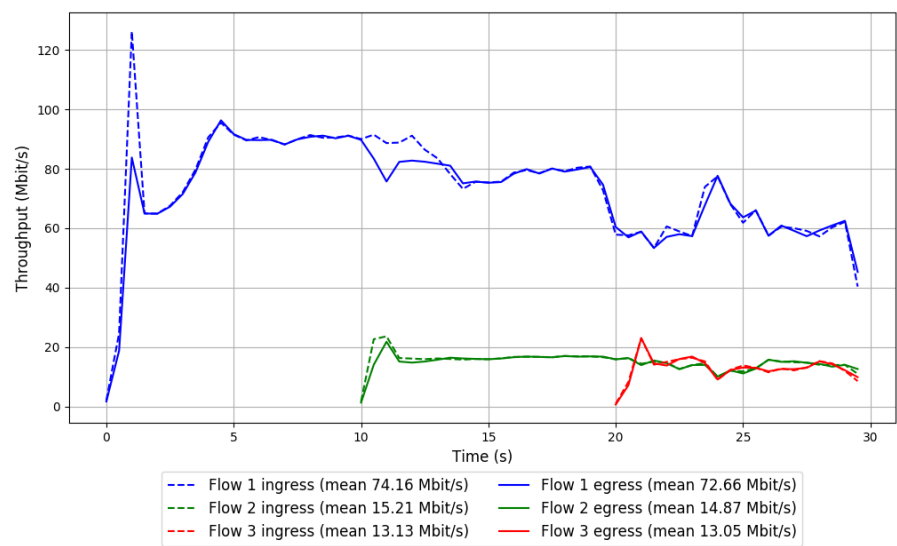


Run 10: Statistics of PCC

Start at: 2017-08-11 12:15:37  
End at: 2017-08-11 12:16:07  
Local clock offset: 0.596 ms  
Remote clock offset: -2.633 ms

# Below is generated by plot.py at 2017-08-11 13:23:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.81 Mbit/s  
95th percentile per-packet one-way delay: 77.656 ms  
Loss rate: 1.99%  
-- Flow 1:  
Average throughput: 72.66 Mbit/s  
95th percentile per-packet one-way delay: 77.032 ms  
Loss rate: 2.03%  
-- Flow 2:  
Average throughput: 14.87 Mbit/s  
95th percentile per-packet one-way delay: 80.316 ms  
Loss rate: 2.27%  
-- Flow 3:  
Average throughput: 13.05 Mbit/s  
95th percentile per-packet one-way delay: 76.231 ms  
Loss rate: 0.60%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-08-11 09:03:58

End at: 2017-08-11 09:04:28

Local clock offset: 0.182 ms

Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2017-08-11 13:23:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 64.394 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.268 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 64.388 ms

Loss rate: 2.11%

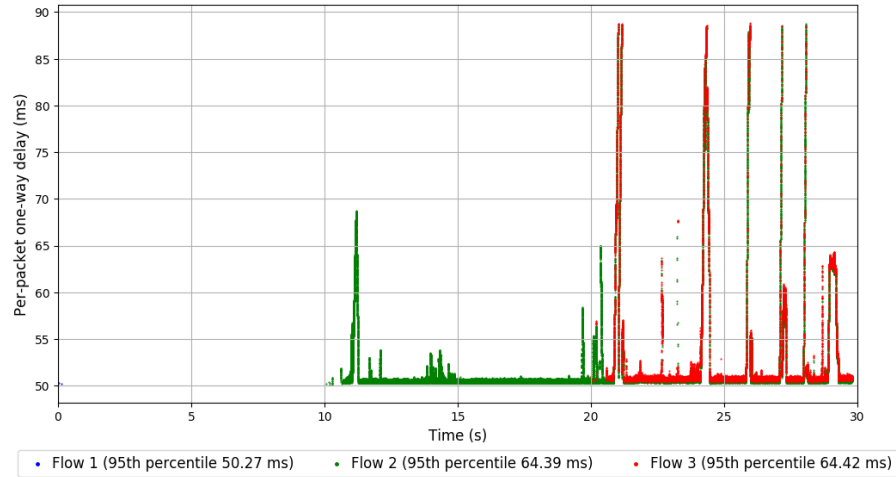
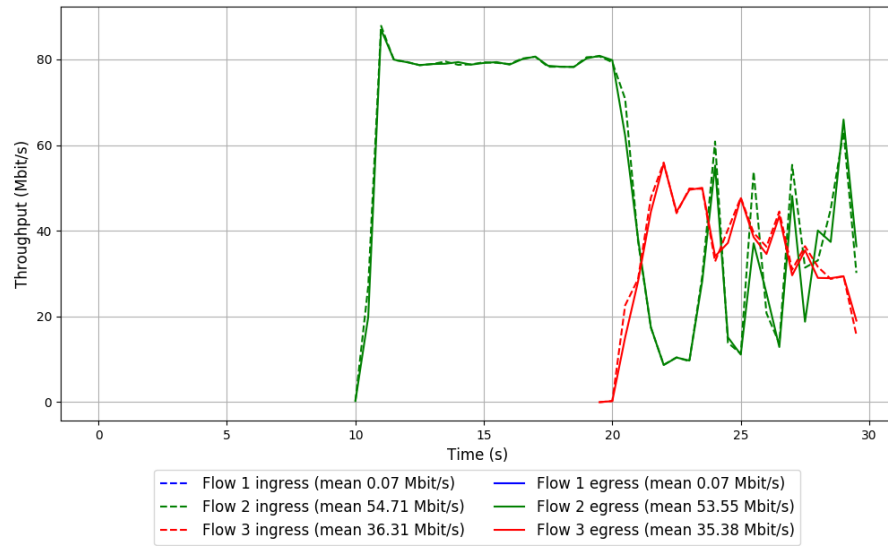
-- Flow 3:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 64.415 ms

Loss rate: 2.57%

## Run 1: Report of QUIC Cubic — Data Link



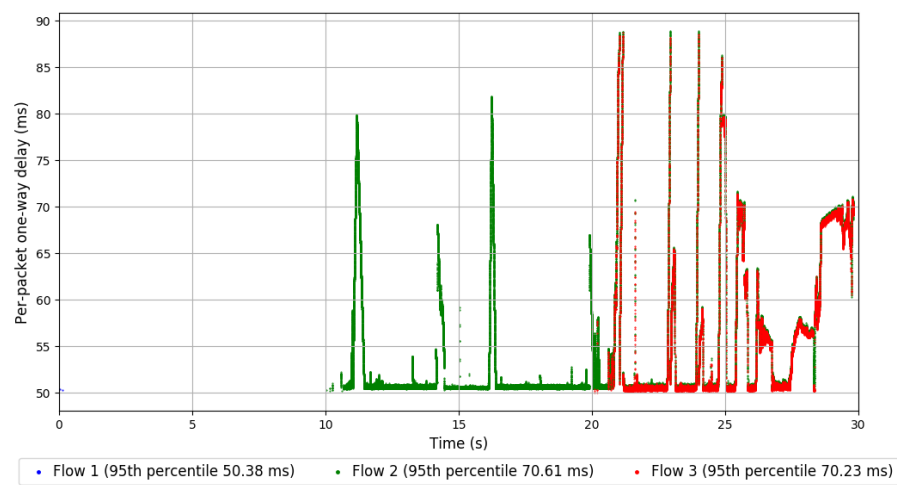
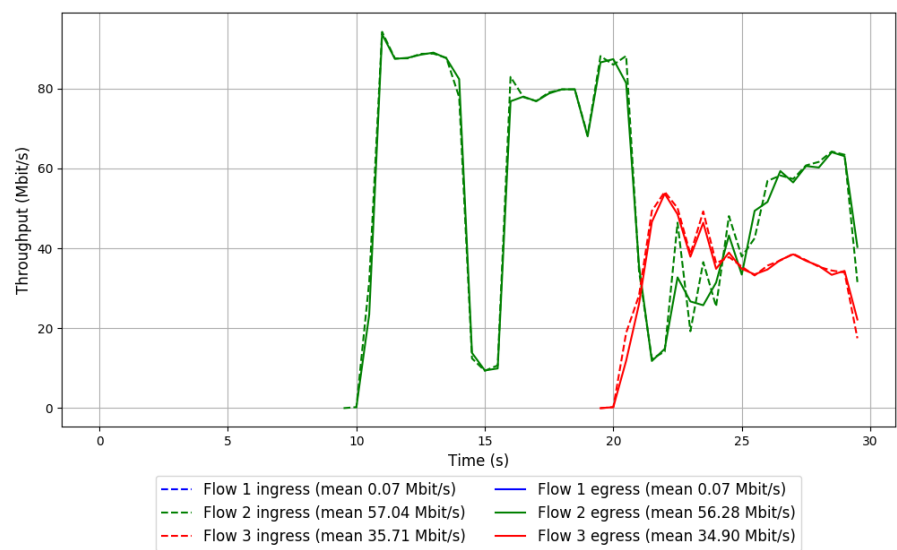
Run 2: Statistics of QUIC Cubic

Start at: 2017-08-11 09:24:55  
End at: 2017-08-11 09:25:25  
Local clock offset: 0.146 ms  
Remote clock offset: -0.375 ms

# Below is generated by plot.py at 2017-08-11 13:23:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.90 Mbit/s  
95th percentile per-packet one-way delay: 70.479 ms  
Loss rate: 1.44%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 50.381 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 56.28 Mbit/s  
95th percentile per-packet one-way delay: 70.609 ms  
Loss rate: 1.22%  
-- Flow 3:  
Average throughput: 34.90 Mbit/s  
95th percentile per-packet one-way delay: 70.231 ms  
Loss rate: 2.13%



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-08-11 09:45:52

End at: 2017-08-11 09:46:22

Local clock offset: 0.183 ms

Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2017-08-11 13:23:38

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.66 Mbit/s

95th percentile per-packet one-way delay: 69.001 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 48.316 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.53 Mbit/s

95th percentile per-packet one-way delay: 68.838 ms

Loss rate: 1.43%

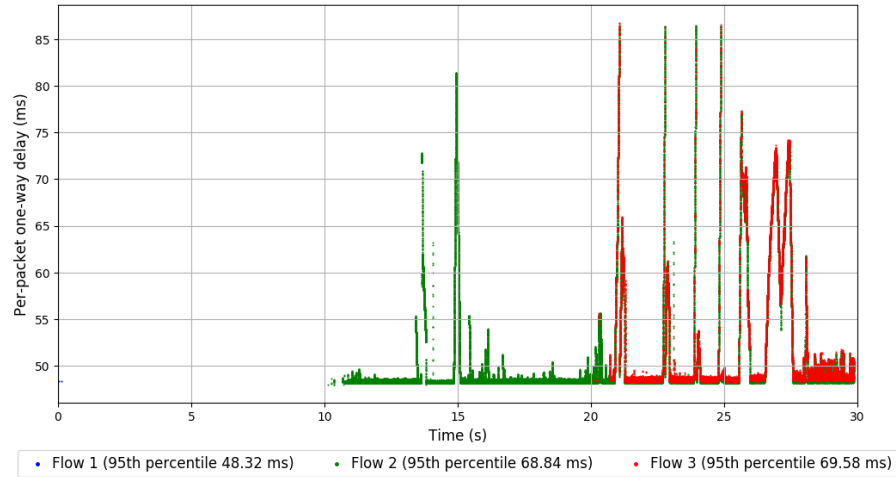
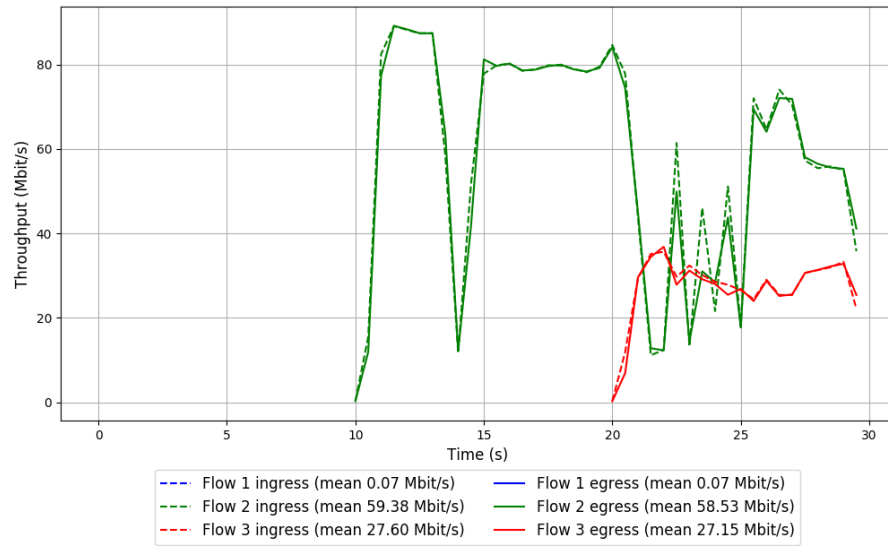
-- Flow 3:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 69.584 ms

Loss rate: 1.61%

### Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-11 10:06:47

End at: 2017-08-11 10:07:17

Local clock offset: 0.112 ms

Remote clock offset: -0.71 ms

# Below is generated by plot.py at 2017-08-11 13:23:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.56 Mbit/s

95th percentile per-packet one-way delay: 82.729 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 82.433 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 37.81 Mbit/s

95th percentile per-packet one-way delay: 83.118 ms

Loss rate: 2.75%

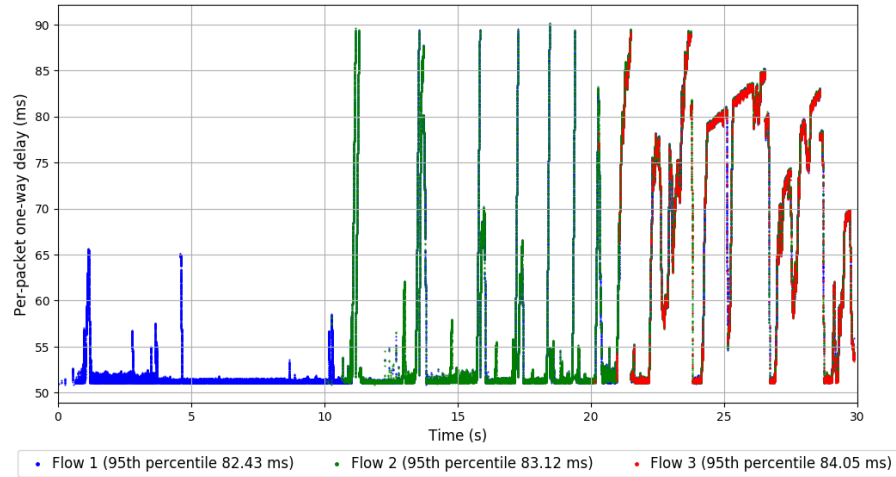
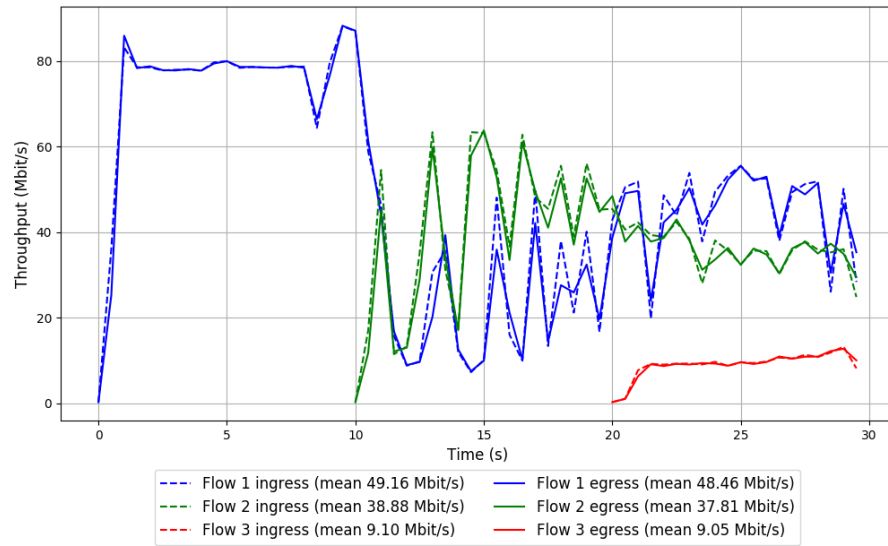
-- Flow 3:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 84.048 ms

Loss rate: 0.54%

#### Run 4: Report of QUIC Cubic — Data Link

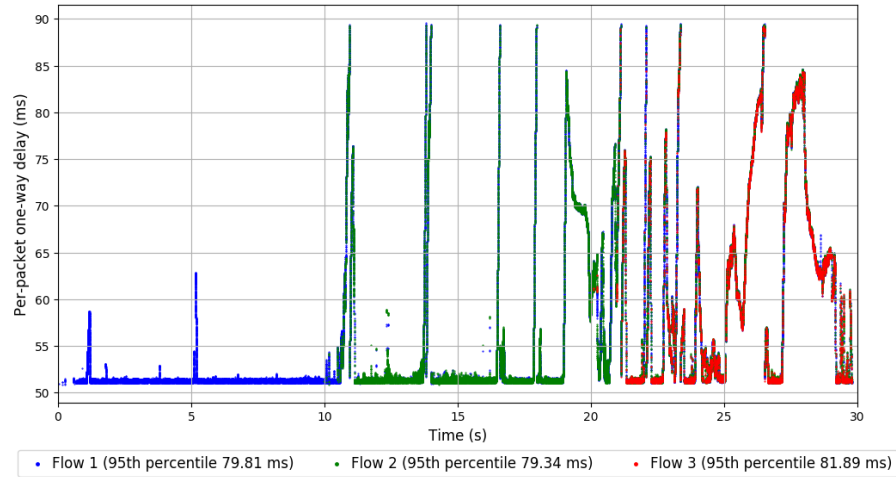
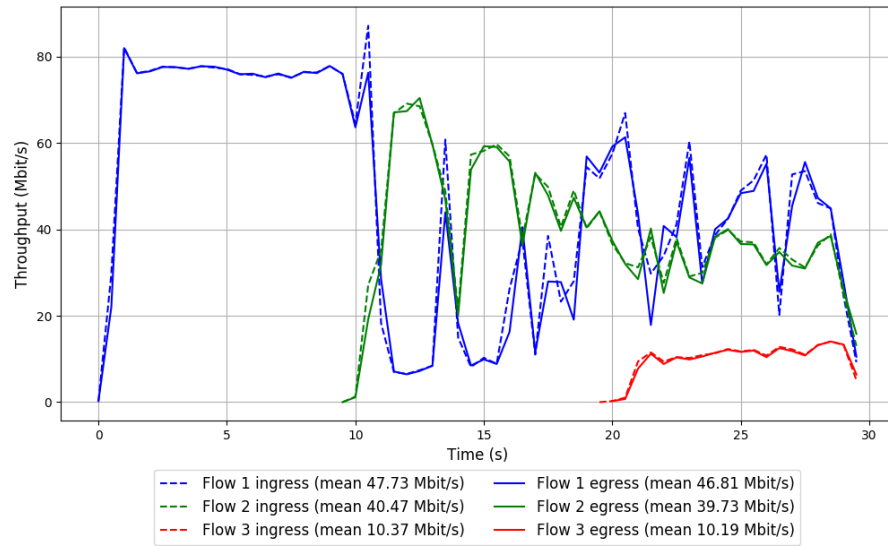


Run 5: Statistics of QUIC Cubic

Start at: 2017-08-11 10:27:48  
End at: 2017-08-11 10:28:18  
Local clock offset: 0.206 ms  
Remote clock offset: -1.117 ms

# Below is generated by plot.py at 2017-08-11 13:23:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.64 Mbit/s  
95th percentile per-packet one-way delay: 79.910 ms  
Loss rate: 1.89%  
-- Flow 1:  
Average throughput: 46.81 Mbit/s  
95th percentile per-packet one-way delay: 79.806 ms  
Loss rate: 1.92%  
-- Flow 2:  
Average throughput: 39.73 Mbit/s  
95th percentile per-packet one-way delay: 79.340 ms  
Loss rate: 1.82%  
-- Flow 3:  
Average throughput: 10.19 Mbit/s  
95th percentile per-packet one-way delay: 81.886 ms  
Loss rate: 1.84%

## Run 5: Report of QUIC Cubic — Data Link



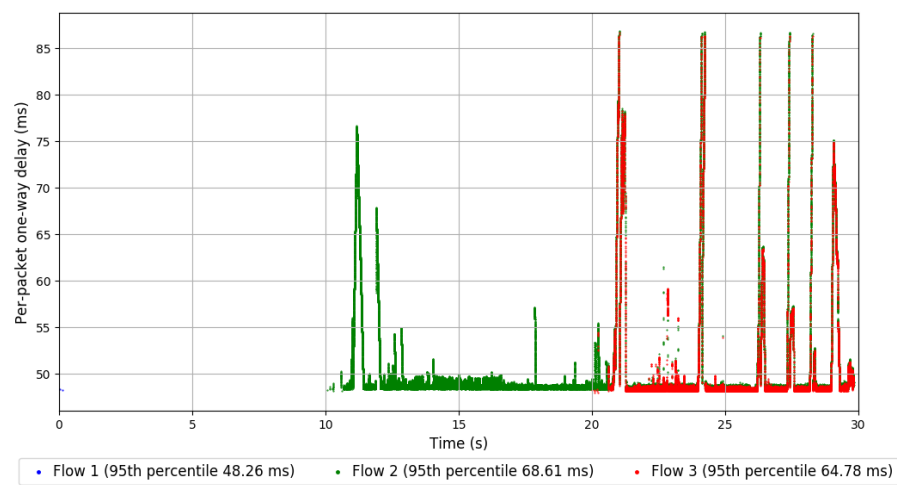
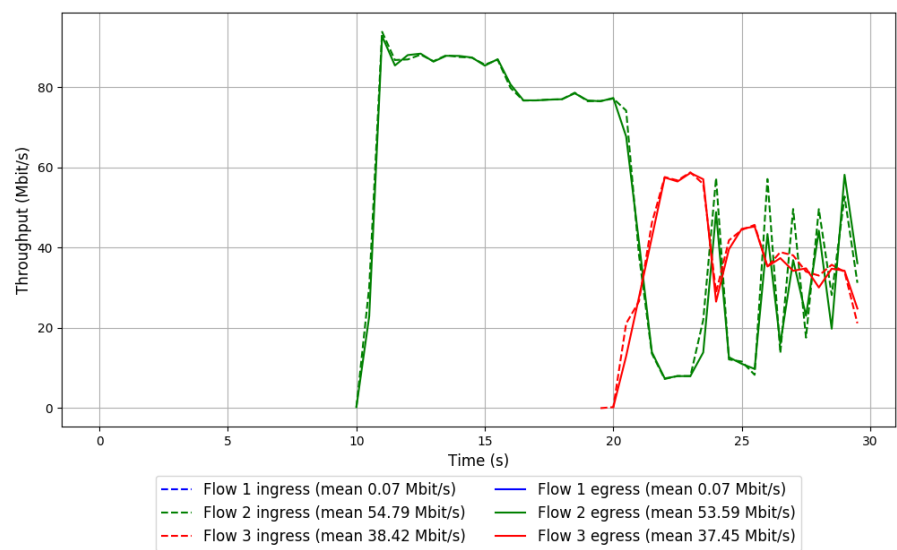
Run 6: Statistics of QUIC Cubic

Start at: 2017-08-11 10:48:47  
End at: 2017-08-11 10:49:17  
Local clock offset: 0.279 ms  
Remote clock offset: -4.003 ms

# Below is generated by plot.py at 2017-08-11 13:23:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.86 Mbit/s  
95th percentile per-packet one-way delay: 67.993 ms  
Loss rate: 2.28%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 48.264 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 53.59 Mbit/s  
95th percentile per-packet one-way delay: 68.606 ms  
Loss rate: 2.19%  
-- Flow 3:  
Average throughput: 37.45 Mbit/s  
95th percentile per-packet one-way delay: 64.776 ms  
Loss rate: 2.54%



Run 6: Report of QUIC Cubic — Data Link

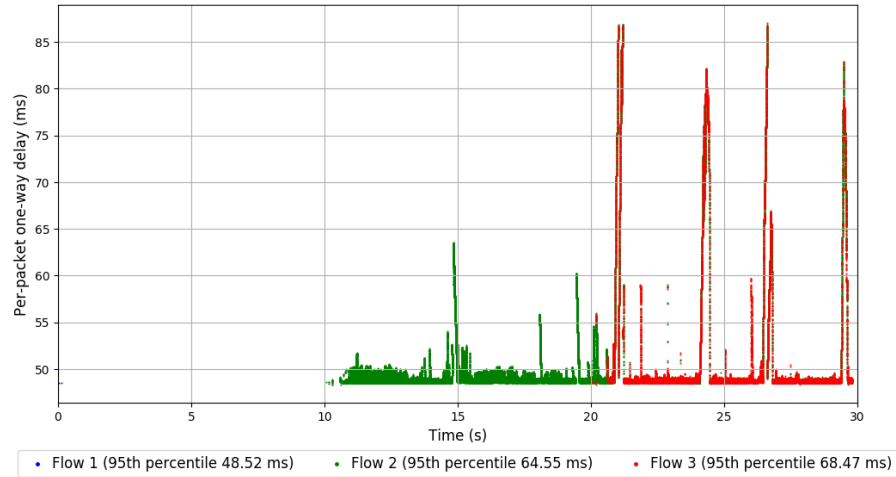
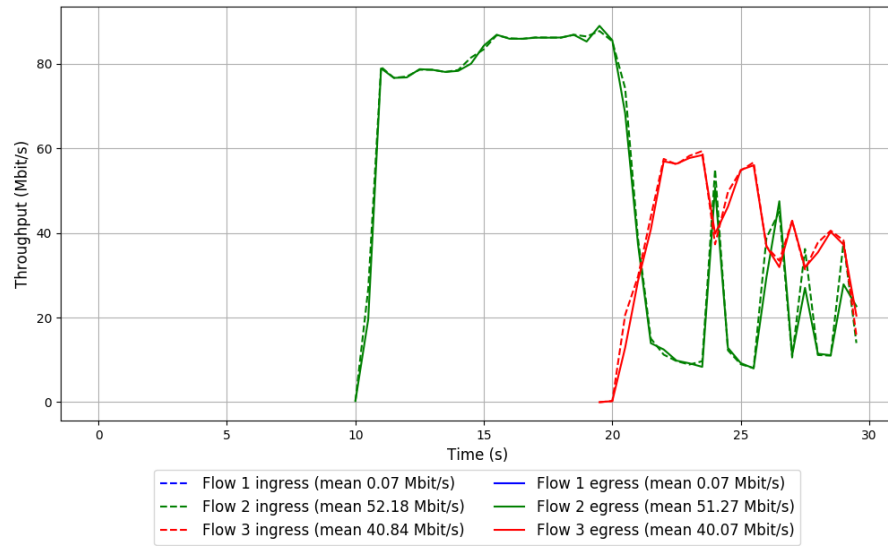


Run 7: Statistics of QUIC Cubic

Start at: 2017-08-11 11:09:45  
End at: 2017-08-11 11:10:15  
Local clock offset: 0.356 ms  
Remote clock offset: -3.862 ms

# Below is generated by plot.py at 2017-08-11 13:23:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.22 Mbit/s  
95th percentile per-packet one-way delay: 65.685 ms  
Loss rate: 1.79%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 48.518 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 51.27 Mbit/s  
95th percentile per-packet one-way delay: 64.549 ms  
Loss rate: 1.76%  
-- Flow 3:  
Average throughput: 40.07 Mbit/s  
95th percentile per-packet one-way delay: 68.465 ms  
Loss rate: 1.88%

## Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-11 11:30:44

End at: 2017-08-11 11:31:14

Local clock offset: 0.416 ms

Remote clock offset: -3.76 ms

# Below is generated by plot.py at 2017-08-11 13:24:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 83.362 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 81.031 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 84.289 ms

Loss rate: 2.89%

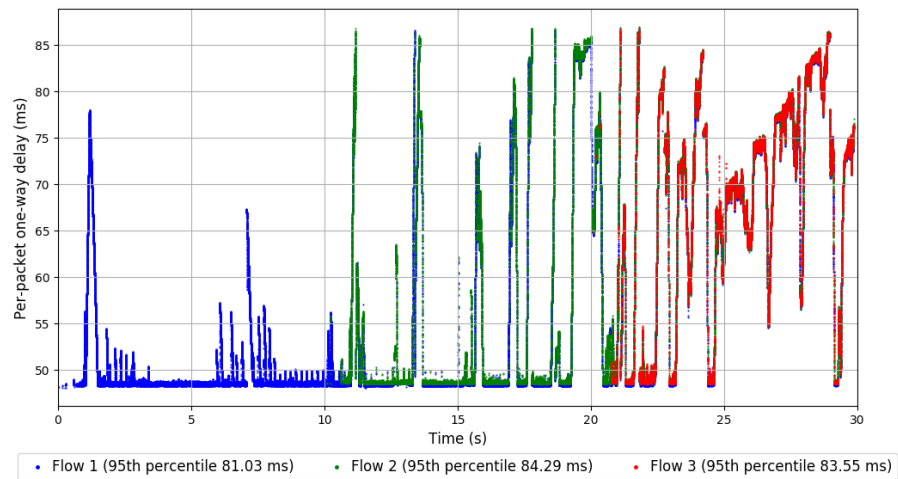
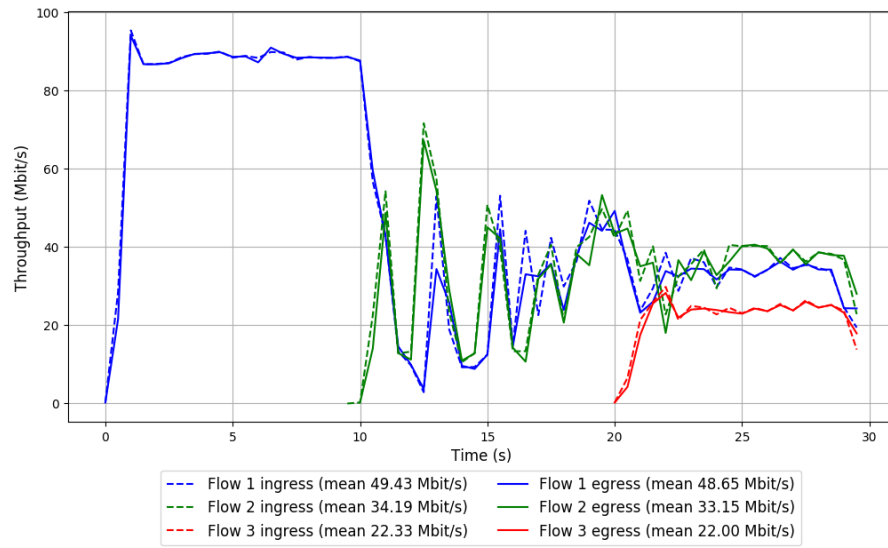
-- Flow 3:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 83.549 ms

Loss rate: 1.34%

## Run 8: Report of QUIC Cubic — Data Link

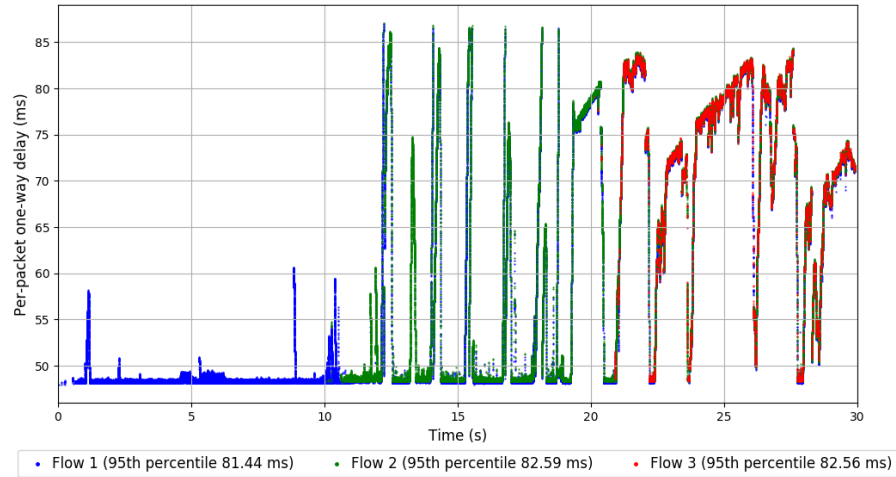
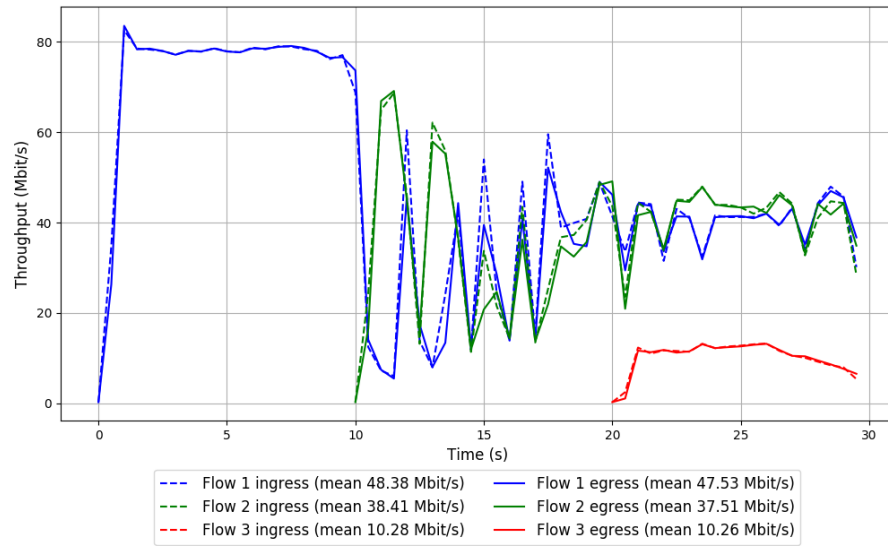


Run 9: Statistics of QUIC Cubic

Start at: 2017-08-11 11:51:48  
End at: 2017-08-11 11:52:18  
Local clock offset: 0.592 ms  
Remote clock offset: -3.321 ms

# Below is generated by plot.py at 2017-08-11 13:24:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.81 Mbit/s  
95th percentile per-packet one-way delay: 82.140 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 47.53 Mbit/s  
95th percentile per-packet one-way delay: 81.437 ms  
Loss rate: 1.68%  
-- Flow 2:  
Average throughput: 37.51 Mbit/s  
95th percentile per-packet one-way delay: 82.588 ms  
Loss rate: 2.25%  
-- Flow 3:  
Average throughput: 10.26 Mbit/s  
95th percentile per-packet one-way delay: 82.565 ms  
Loss rate: 0.35%

## Run 9: Report of QUIC Cubic — Data Link



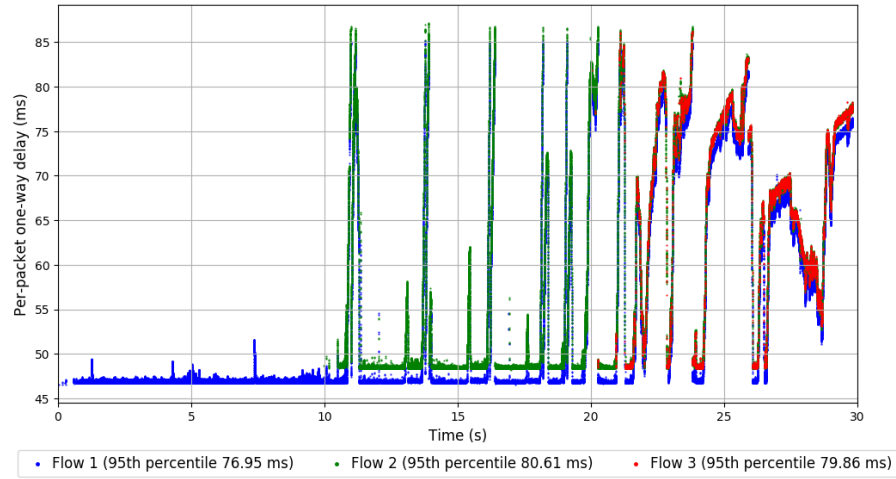
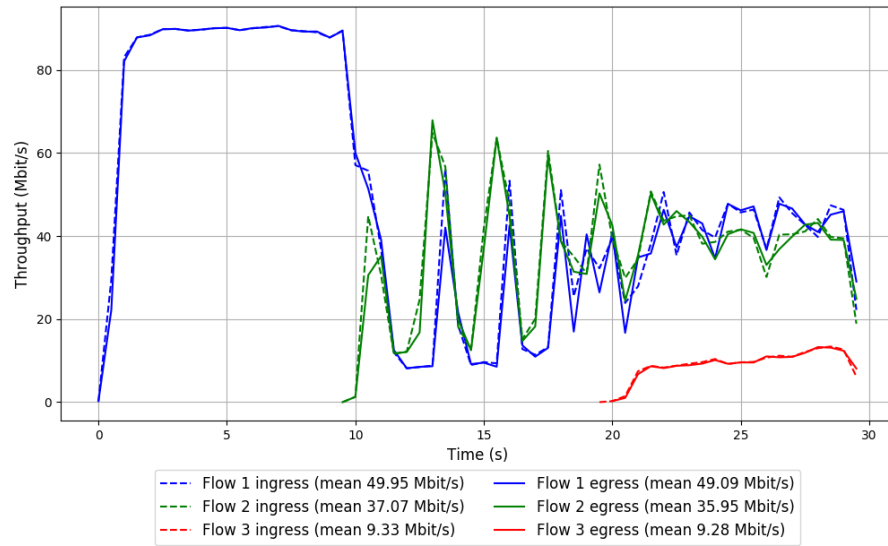
Run 10: Statistics of QUIC Cubic

Start at: 2017-08-11 12:12:48  
End at: 2017-08-11 12:13:18  
Local clock offset: 0.541 ms  
Remote clock offset: -2.717 ms

# Below is generated by plot.py at 2017-08-11 13:24:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.11 Mbit/s  
95th percentile per-packet one-way delay: 78.741 ms  
Loss rate: 1.98%  
-- Flow 1:  
Average throughput: 49.09 Mbit/s  
95th percentile per-packet one-way delay: 76.954 ms  
Loss rate: 1.62%  
-- Flow 2:  
Average throughput: 35.95 Mbit/s  
95th percentile per-packet one-way delay: 80.610 ms  
Loss rate: 2.86%  
-- Flow 3:  
Average throughput: 9.28 Mbit/s  
95th percentile per-packet one-way delay: 79.859 ms  
Loss rate: 0.61%



# Run 10: Report of QUIC Cubic — Data Link

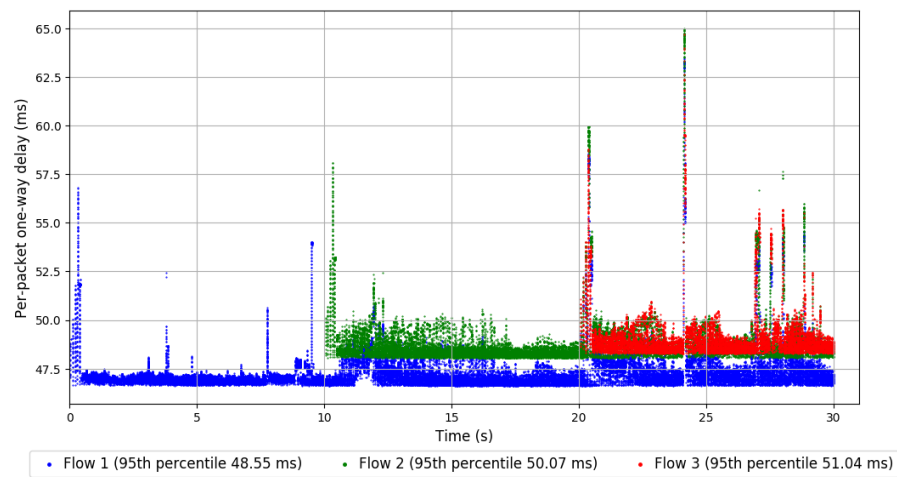
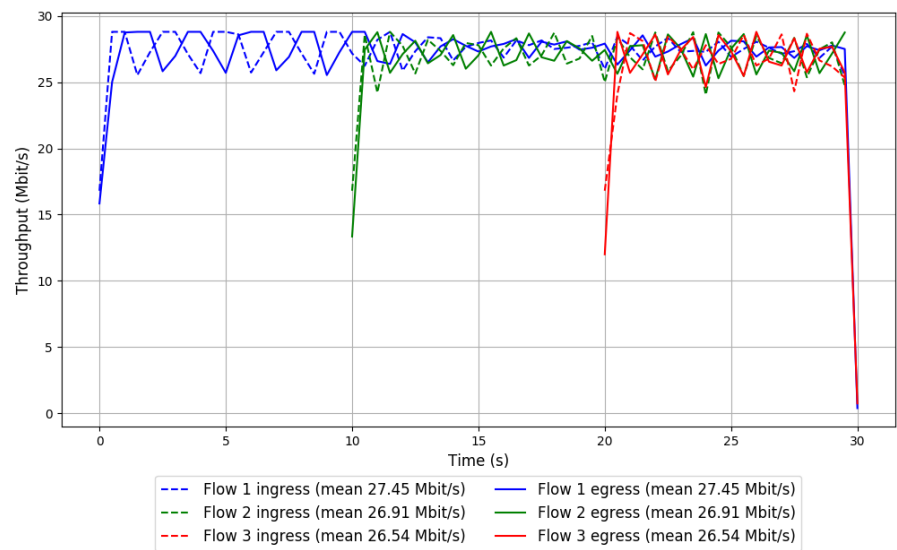


Run 1: Statistics of Saturator

Start at: 2017-08-11 09:08:04  
End at: 2017-08-11 09:08:34  
Local clock offset: 0.173 ms  
Remote clock offset: -2.126 ms

# Below is generated by plot.py at 2017-08-11 13:24:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.16 Mbit/s  
95th percentile per-packet one-way delay: 49.818 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.45 Mbit/s  
95th percentile per-packet one-way delay: 48.549 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 26.91 Mbit/s  
95th percentile per-packet one-way delay: 50.066 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.54 Mbit/s  
95th percentile per-packet one-way delay: 51.044 ms  
Loss rate: 0.00%

Run 1: Report of Saturator — Data Link

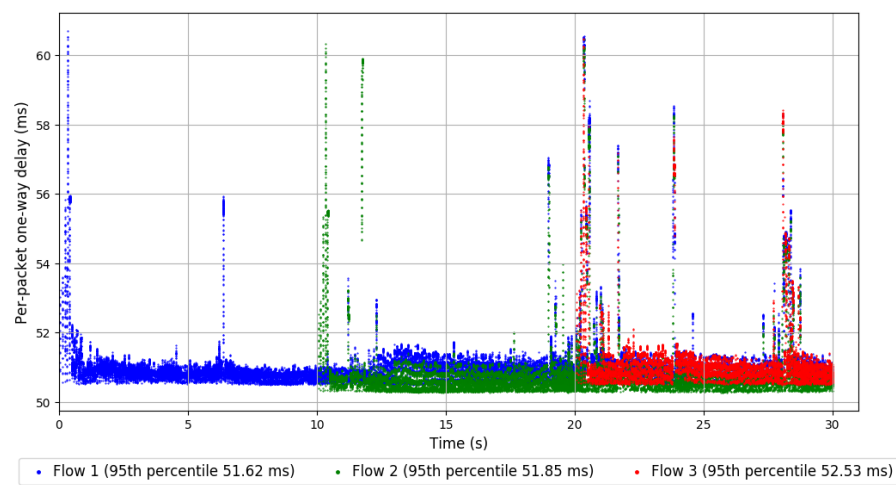
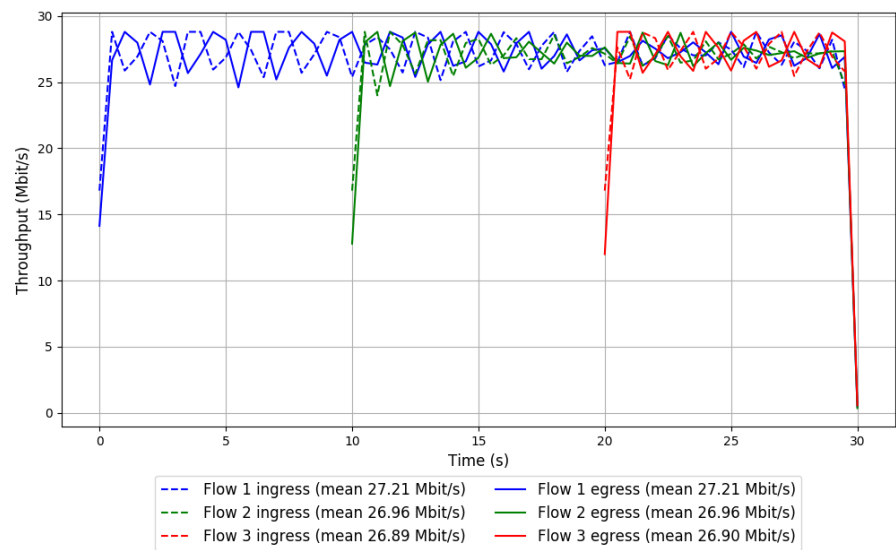


Run 2: Statistics of Saturator

Start at: 2017-08-11 09:29:02  
End at: 2017-08-11 09:29:32  
Local clock offset: 0.153 ms  
Remote clock offset: -0.398 ms

# Below is generated by plot.py at 2017-08-11 13:24:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.09 Mbit/s  
95th percentile per-packet one-way delay: 51.799 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 51.623 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 26.96 Mbit/s  
95th percentile per-packet one-way delay: 51.852 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.90 Mbit/s  
95th percentile per-packet one-way delay: 52.534 ms  
Loss rate: 0.00%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: 2017-08-11 09:49:59

End at: 2017-08-11 09:50:29

Local clock offset: 0.072 ms

Remote clock offset: -0.87 ms

# Below is generated by plot.py at 2017-08-11 13:24:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.81 Mbit/s

95th percentile per-packet one-way delay: 51.492 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 51.609 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 51.325 ms

Loss rate: 0.10%

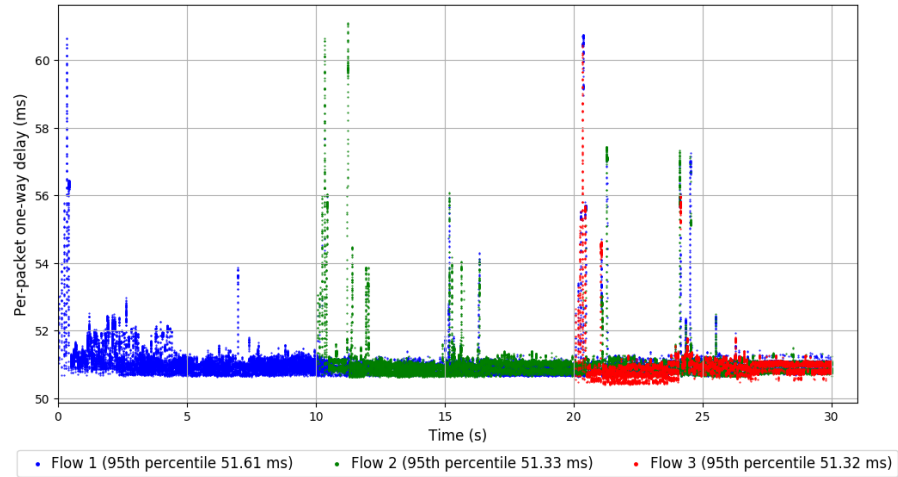
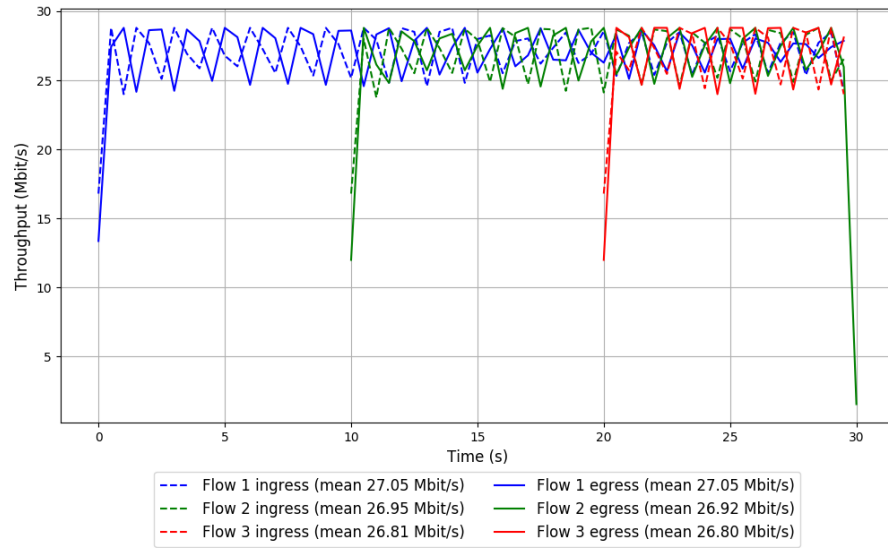
-- Flow 3:

Average throughput: 26.80 Mbit/s

95th percentile per-packet one-way delay: 51.316 ms

Loss rate: 0.00%

### Run 3: Report of Saturator — Data Link



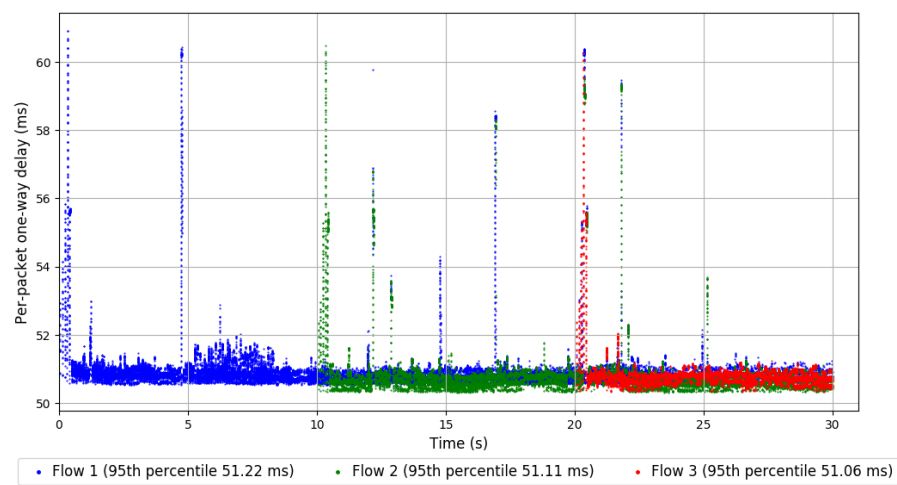
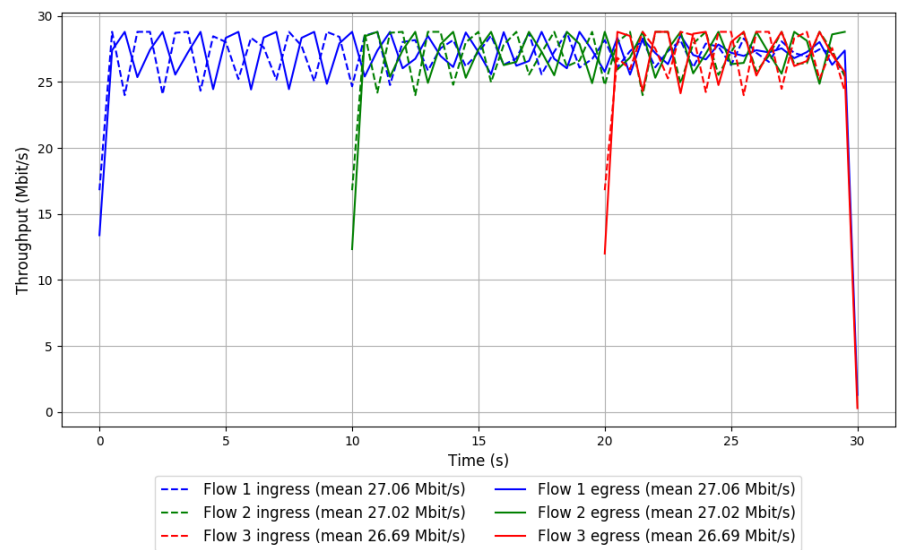
Run 4: Statistics of Saturator

Start at: 2017-08-11 10:10:55  
End at: 2017-08-11 10:11:25  
Local clock offset: 0.125 ms  
Remote clock offset: -1.359 ms

# Below is generated by plot.py at 2017-08-11 13:24:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.89 Mbit/s  
95th percentile per-packet one-way delay: 51.164 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.06 Mbit/s  
95th percentile per-packet one-way delay: 51.221 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.02 Mbit/s  
95th percentile per-packet one-way delay: 51.108 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.69 Mbit/s  
95th percentile per-packet one-way delay: 51.062 ms  
Loss rate: 0.00%



Run 4: Report of Saturator — Data Link

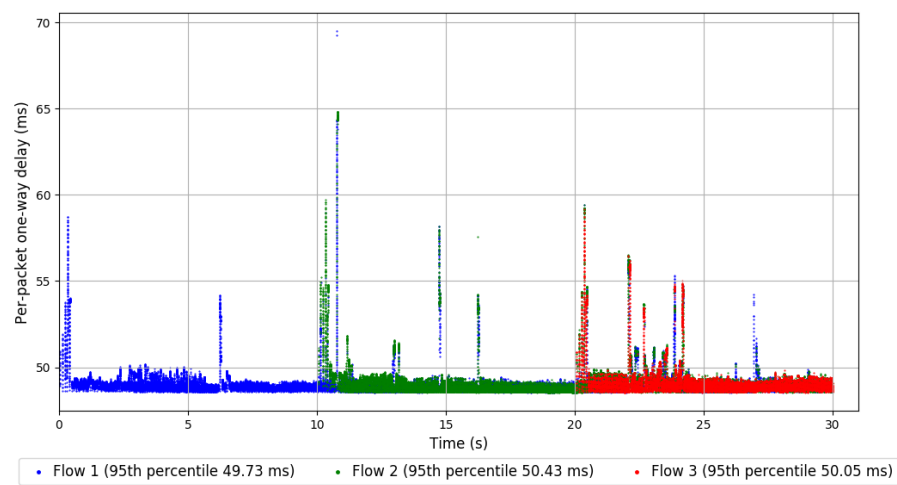
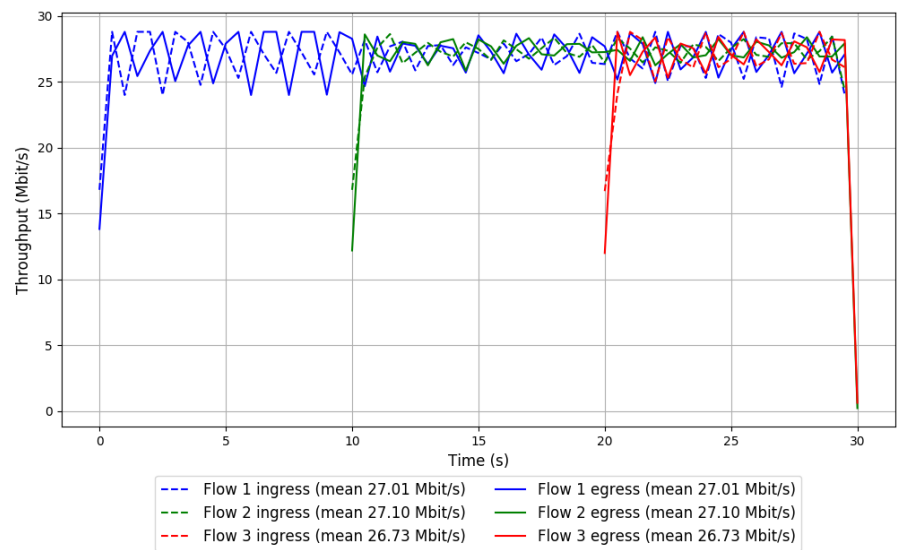


Run 5: Statistics of Saturator

Start at: 2017-08-11 10:31:57  
End at: 2017-08-11 10:32:27  
Local clock offset: 0.254 ms  
Remote clock offset: -3.587 ms

# Below is generated by plot.py at 2017-08-11 13:24:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.88 Mbit/s  
95th percentile per-packet one-way delay: 49.953 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.01 Mbit/s  
95th percentile per-packet one-way delay: 49.734 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.10 Mbit/s  
95th percentile per-packet one-way delay: 50.427 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.73 Mbit/s  
95th percentile per-packet one-way delay: 50.046 ms  
Loss rate: 0.00%

Run 5: Report of Saturator — Data Link

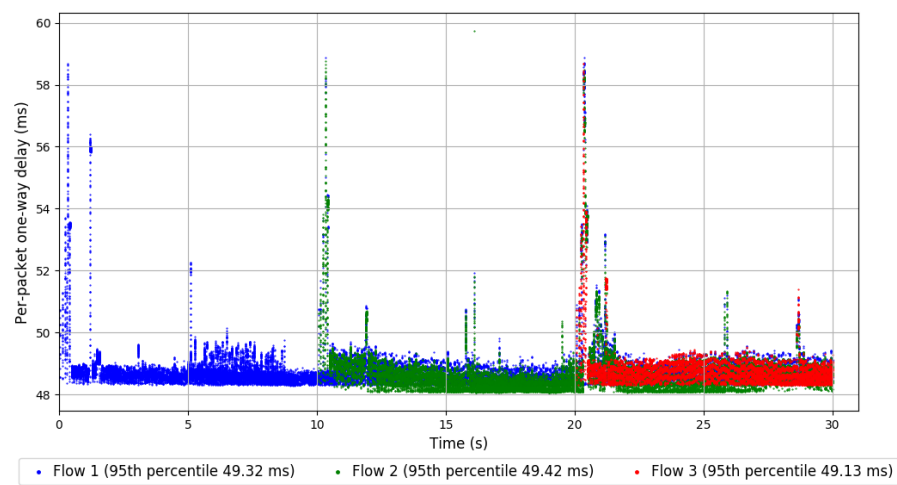
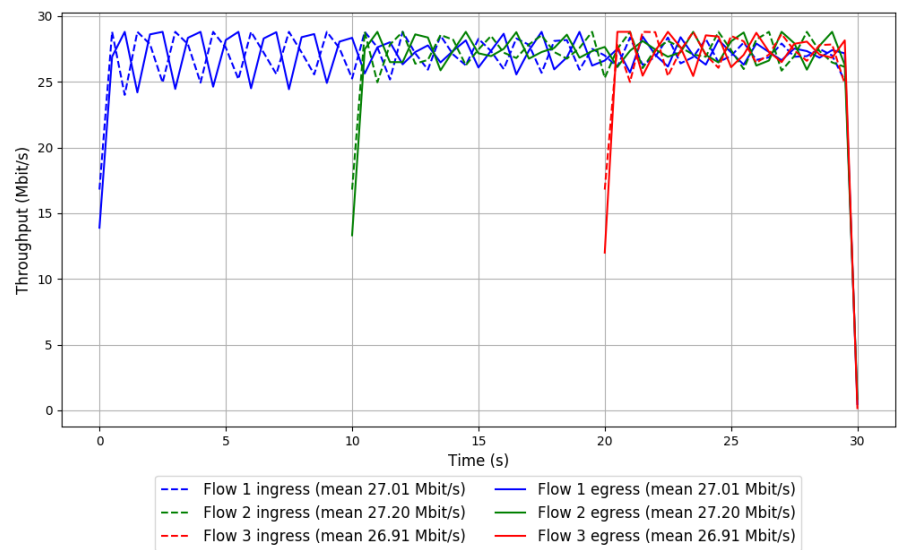


Run 6: Statistics of Saturator

Start at: 2017-08-11 10:52:54  
End at: 2017-08-11 10:53:24  
Local clock offset: 0.388 ms  
Remote clock offset: -3.969 ms

# Below is generated by plot.py at 2017-08-11 13:24:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.06 Mbit/s  
95th percentile per-packet one-way delay: 49.312 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.01 Mbit/s  
95th percentile per-packet one-way delay: 49.320 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.20 Mbit/s  
95th percentile per-packet one-way delay: 49.417 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.91 Mbit/s  
95th percentile per-packet one-way delay: 49.133 ms  
Loss rate: 0.00%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: 2017-08-11 11:13:52

End at: 2017-08-11 11:14:22

Local clock offset: 0.442 ms

Remote clock offset: -3.88 ms

# Below is generated by plot.py at 2017-08-11 13:24:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.56 Mbit/s

95th percentile per-packet one-way delay: 49.215 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 27.74 Mbit/s

95th percentile per-packet one-way delay: 48.423 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 27.00 Mbit/s

95th percentile per-packet one-way delay: 49.583 ms

Loss rate: 0.05%

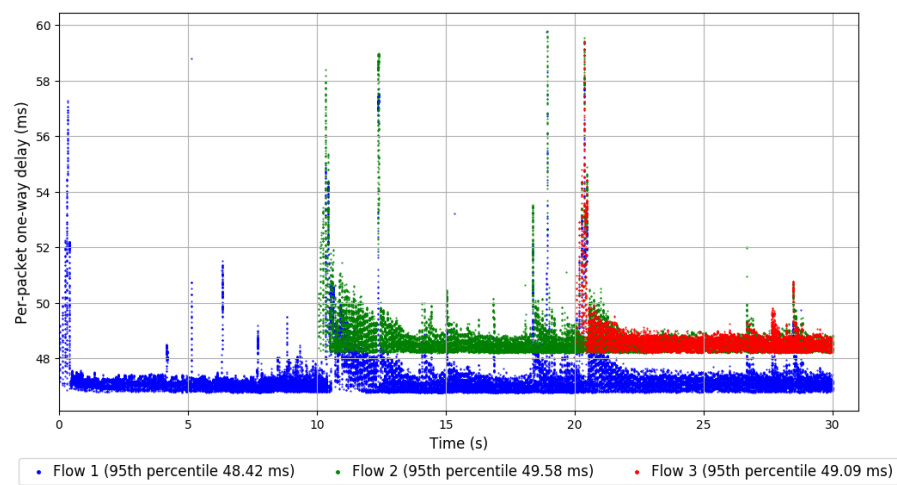
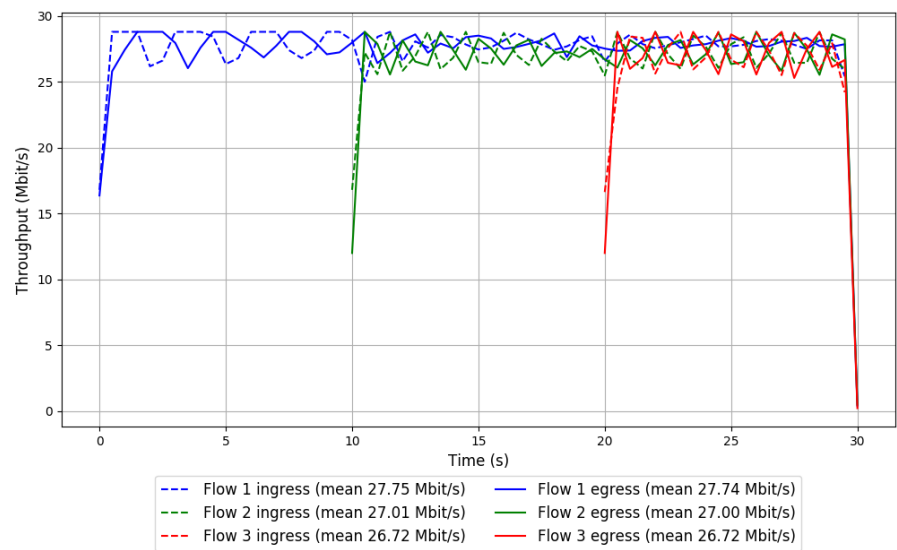
-- Flow 3:

Average throughput: 26.72 Mbit/s

95th percentile per-packet one-way delay: 49.095 ms

Loss rate: 0.01%

Run 7: Report of Saturator — Data Link



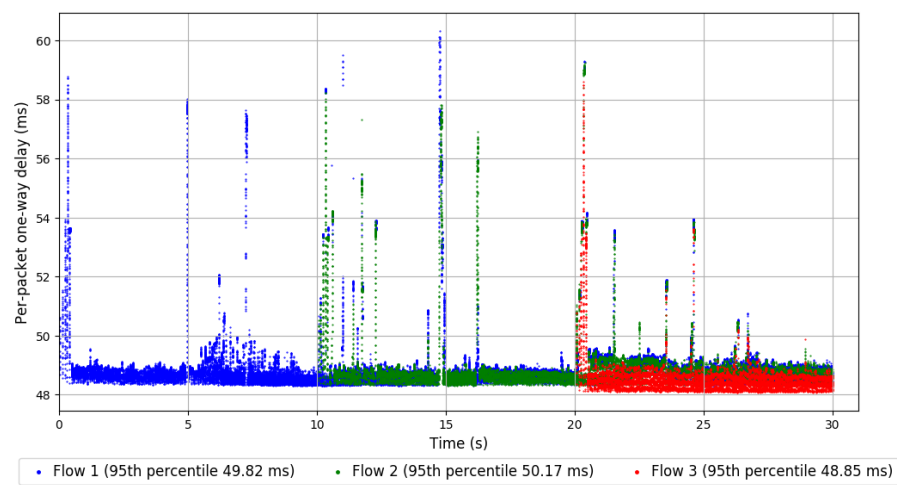
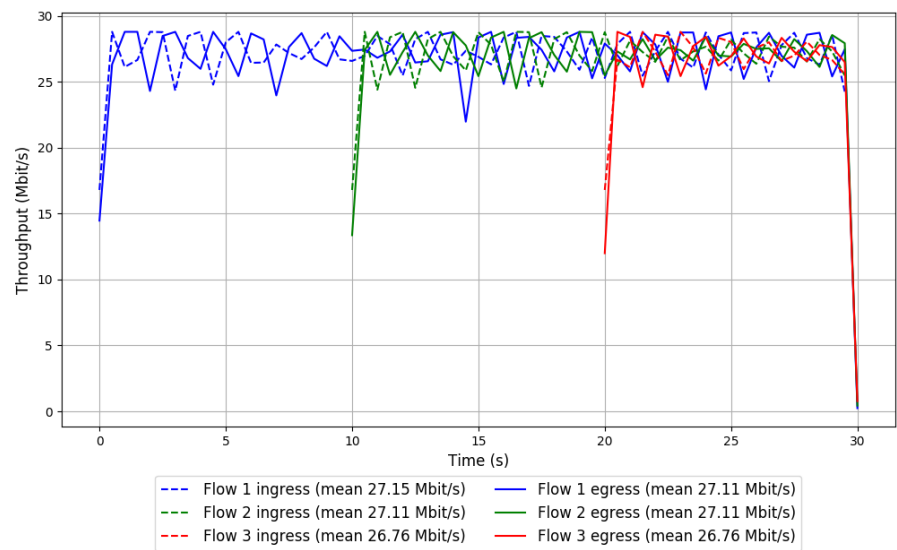
Run 8: Statistics of Saturator

Start at: 2017-08-11 11:34:55  
End at: 2017-08-11 11:35:25  
Local clock offset: 0.509 ms  
Remote clock offset: -3.799 ms

# Below is generated by plot.py at 2017-08-11 13:24:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.04 Mbit/s  
95th percentile per-packet one-way delay: 49.589 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 27.11 Mbit/s  
95th percentile per-packet one-way delay: 49.821 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 27.11 Mbit/s  
95th percentile per-packet one-way delay: 50.166 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 26.76 Mbit/s  
95th percentile per-packet one-way delay: 48.849 ms  
Loss rate: 0.00%



Run 8: Report of Saturator — Data Link

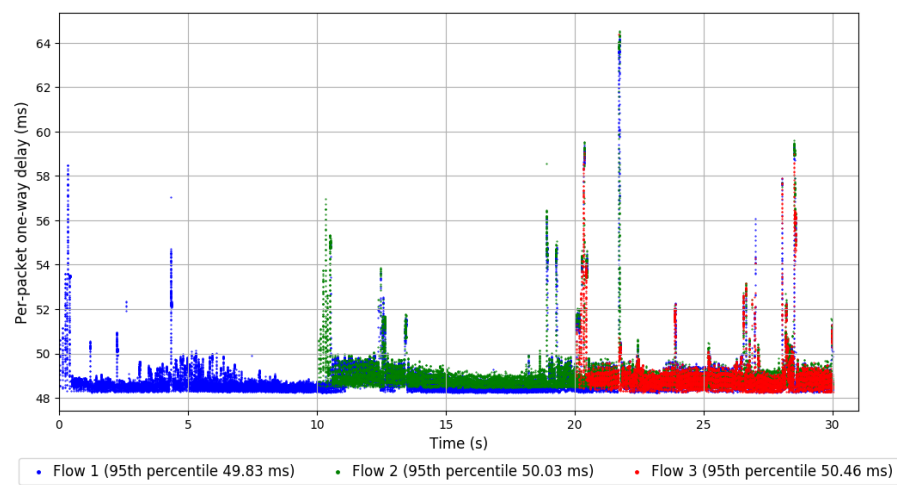
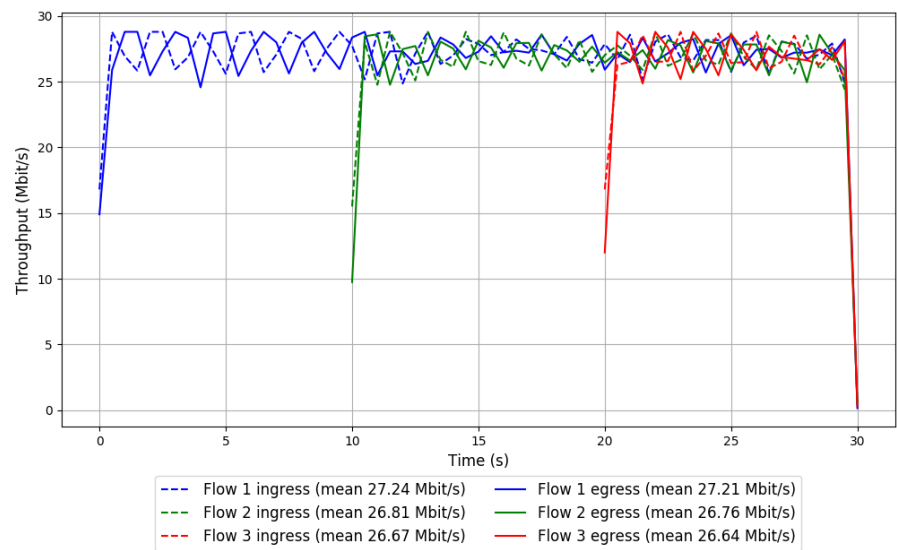


Run 9: Statistics of Saturator

Start at: 2017-08-11 11:55:57  
End at: 2017-08-11 11:56:27  
Local clock offset: 0.504 ms  
Remote clock offset: -3.135 ms

# Below is generated by plot.py at 2017-08-11 13:24:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.87 Mbit/s  
95th percentile per-packet one-way delay: 50.010 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 49.834 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 26.76 Mbit/s  
95th percentile per-packet one-way delay: 50.028 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 26.64 Mbit/s  
95th percentile per-packet one-way delay: 50.460 ms  
Loss rate: 0.12%

Run 9: Report of Saturator — Data Link

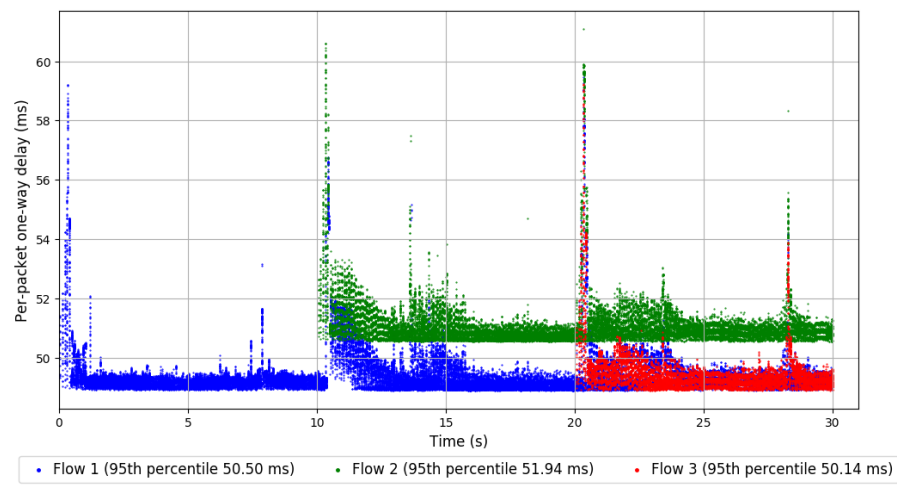
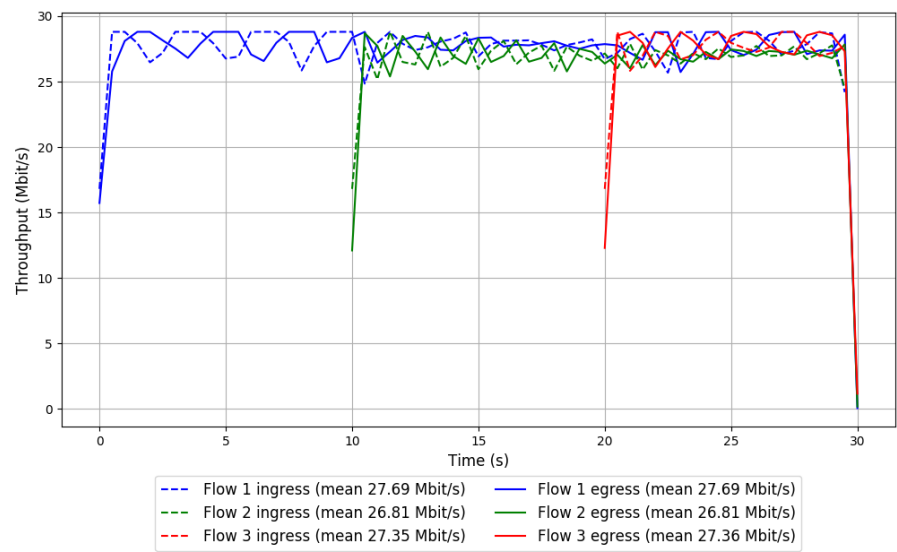


Run 10: Statistics of Saturator

Start at: 2017-08-11 12:17:02  
End at: 2017-08-11 12:17:32  
Local clock offset: 0.517 ms  
Remote clock offset: -0.479 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.62 Mbit/s  
95th percentile per-packet one-way delay: 51.558 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.69 Mbit/s  
95th percentile per-packet one-way delay: 50.498 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 26.81 Mbit/s  
95th percentile per-packet one-way delay: 51.939 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.36 Mbit/s  
95th percentile per-packet one-way delay: 50.139 ms  
Loss rate: 0.00%

Run 10: Report of Saturator — Data Link

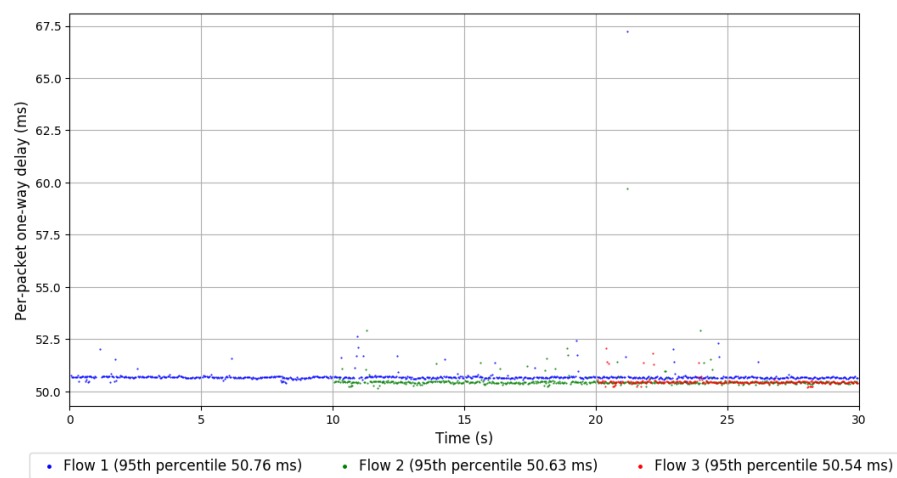
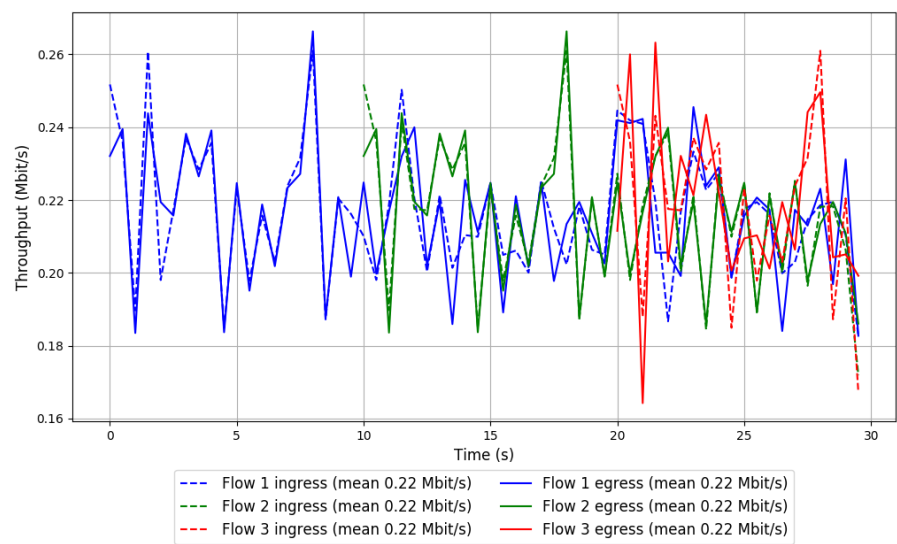


```
Run 1: Statistics of SCReAM

Start at: 2017-08-11 09:19:20
End at: 2017-08-11 09:19:50
Local clock offset: 0.149 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2017-08-11 13:25:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.540 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



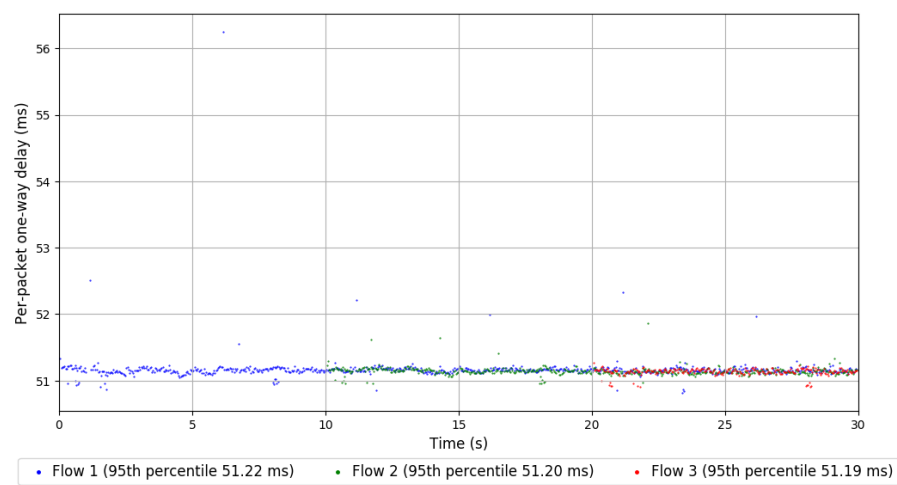
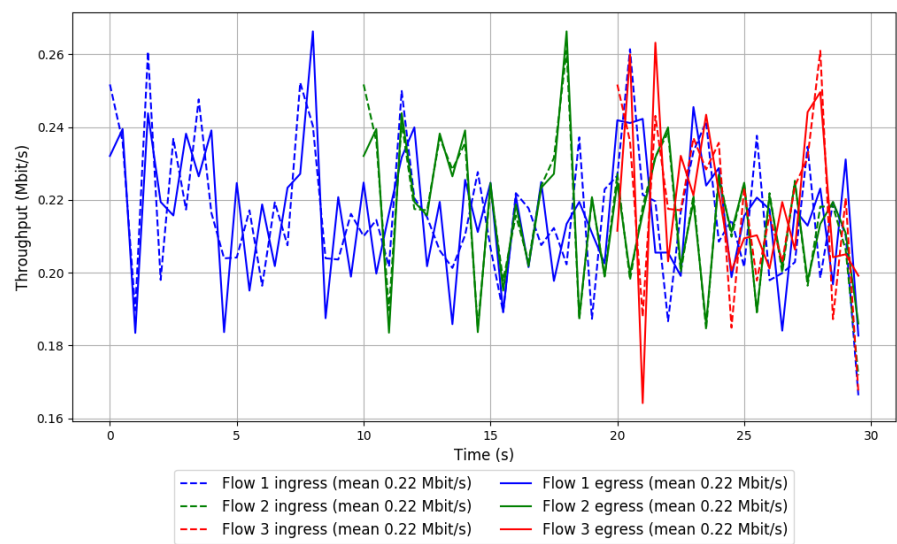
Run 2: Statistics of SReAM

Start at: 2017-08-11 09:40:18  
End at: 2017-08-11 09:40:48  
Local clock offset: 0.157 ms  
Remote clock offset: -0.237 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 51.210 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.215 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.204 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.188 ms  
Loss rate: 0.00%



Run 2: Report of SReAM — Data Link

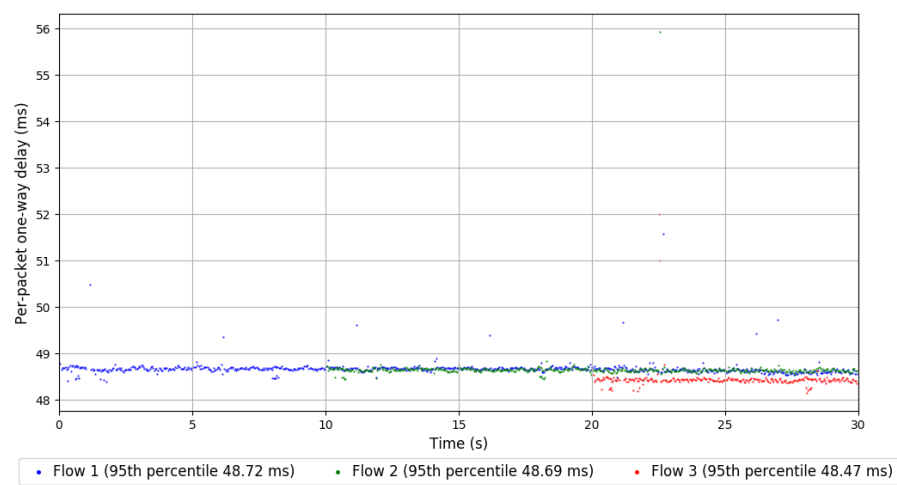
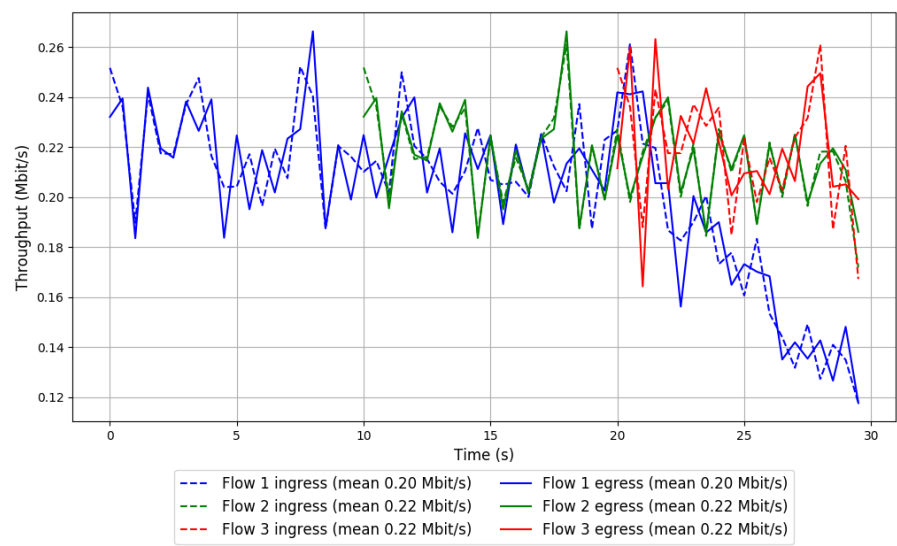


Run 3: Statistics of SReAM

Start at: 2017-08-11 10:01:13  
End at: 2017-08-11 10:01:43  
Local clock offset: 0.205 ms  
Remote clock offset: -3.156 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 48.707 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 48.723 ms  
Loss rate: 0.20%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.688 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.472 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

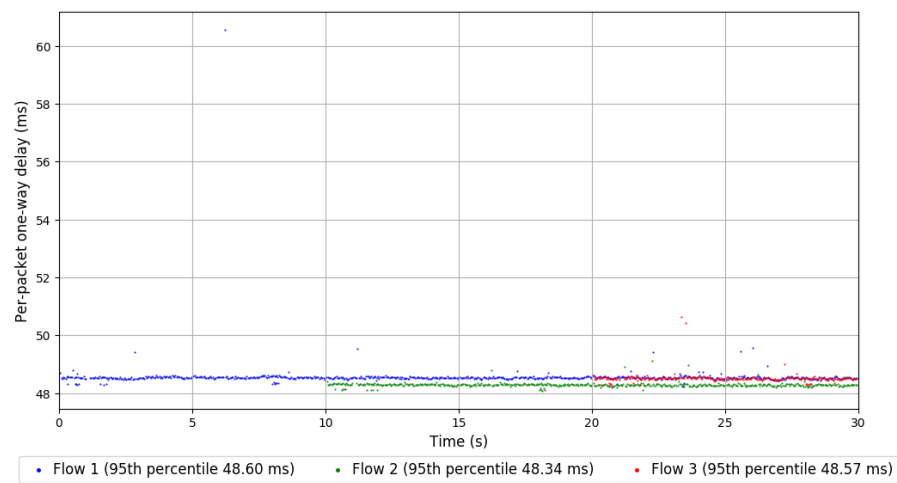
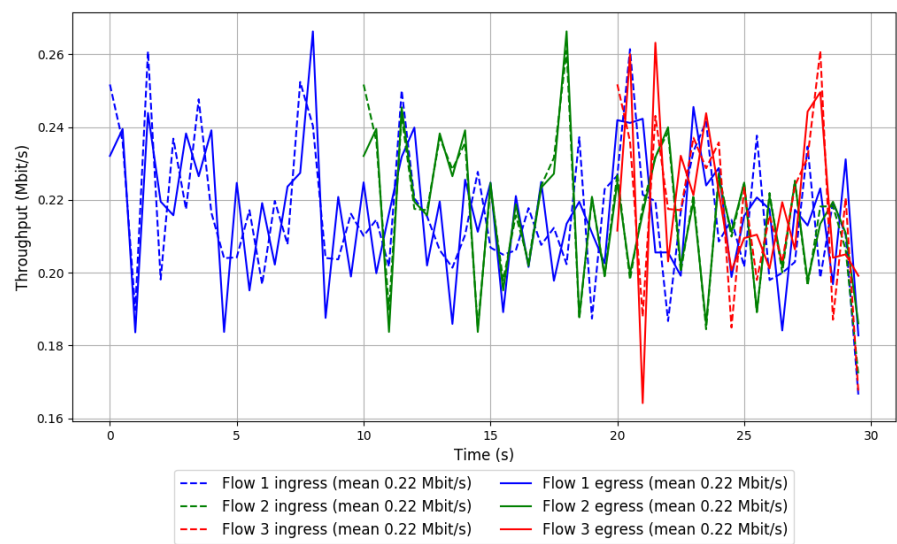


Run 4: Statistics of SReAM

Start at: 2017-08-11 10:22:13  
End at: 2017-08-11 10:22:43  
Local clock offset: 0.308 ms  
Remote clock offset: -3.615 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 48.584 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.596 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.339 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.574 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

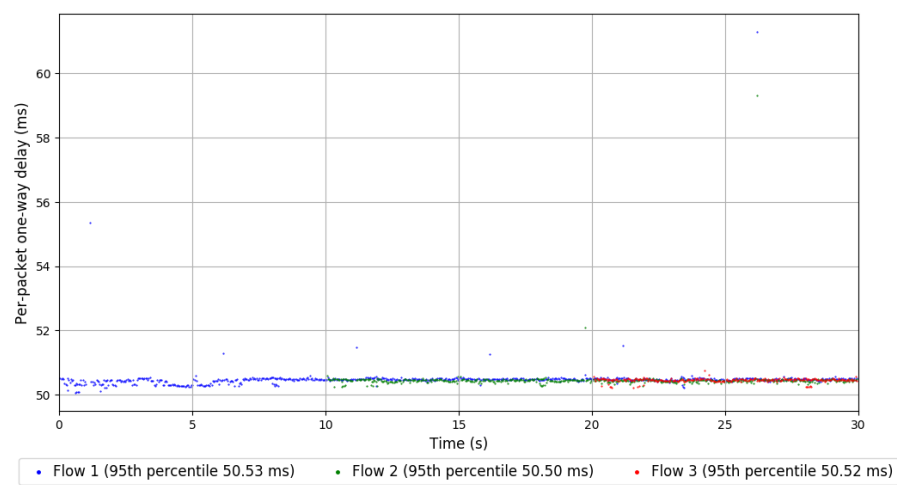
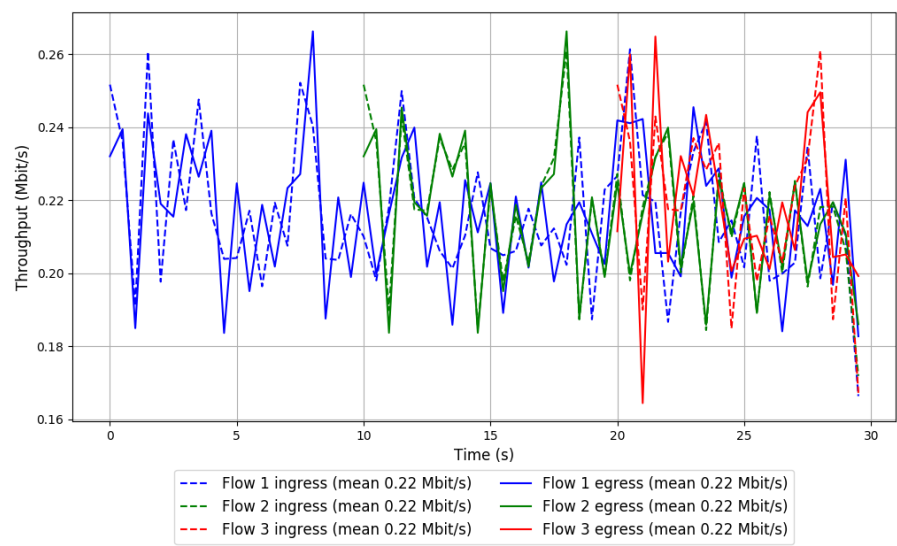


Run 5: Statistics of SReAM

Start at: 2017-08-11 10:43:13  
End at: 2017-08-11 10:43:43  
Local clock offset: 0.279 ms  
Remote clock offset: -1.734 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.524 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.531 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.497 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.522 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



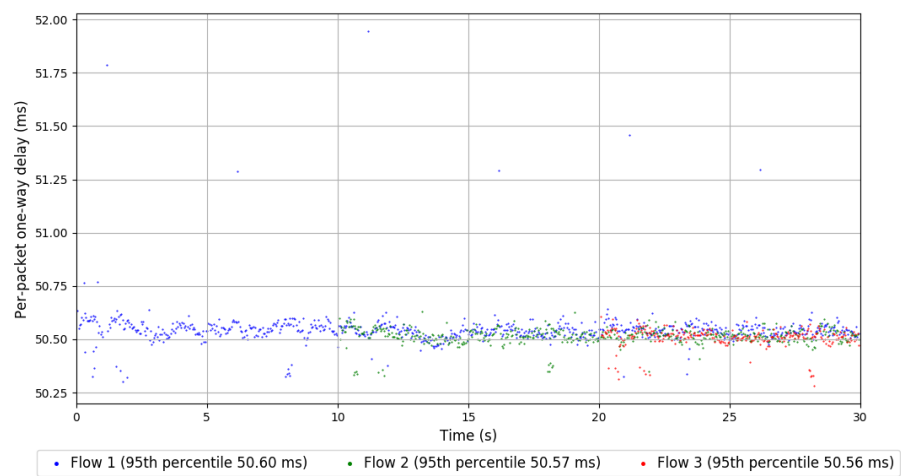
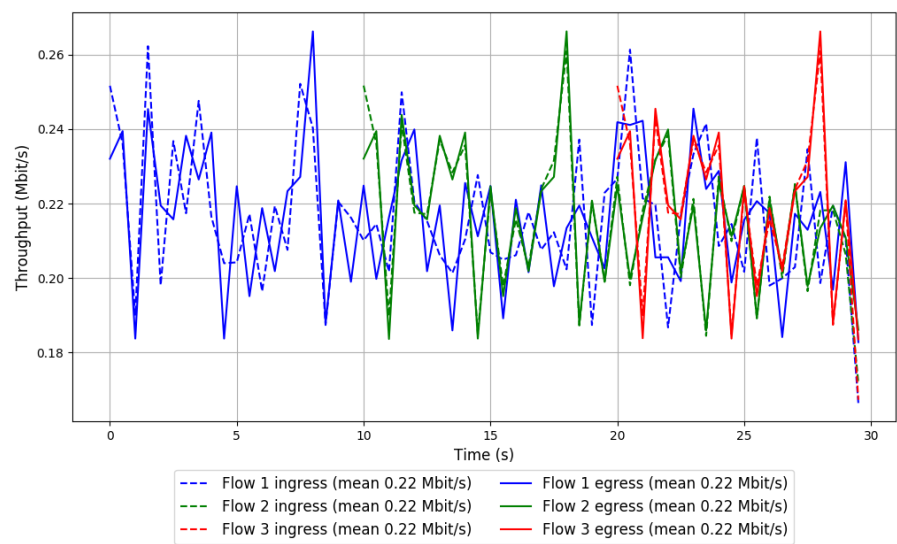
Run 6: Statistics of SReAM

Start at: 2017-08-11 11:04:10  
End at: 2017-08-11 11:04:40  
Local clock offset: 0.35 ms  
Remote clock offset: -1.878 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.589 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.598 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.566 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.559 ms  
Loss rate: 0.00%



Run 6: Report of SReAM — Data Link

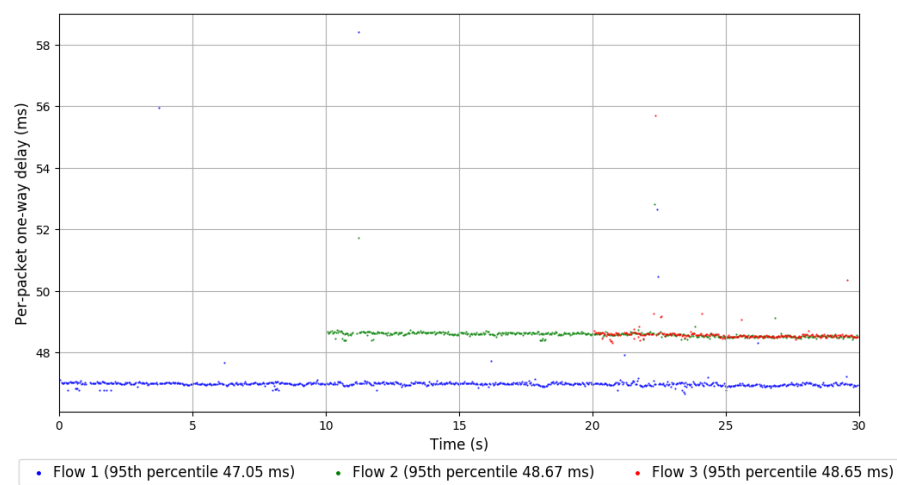
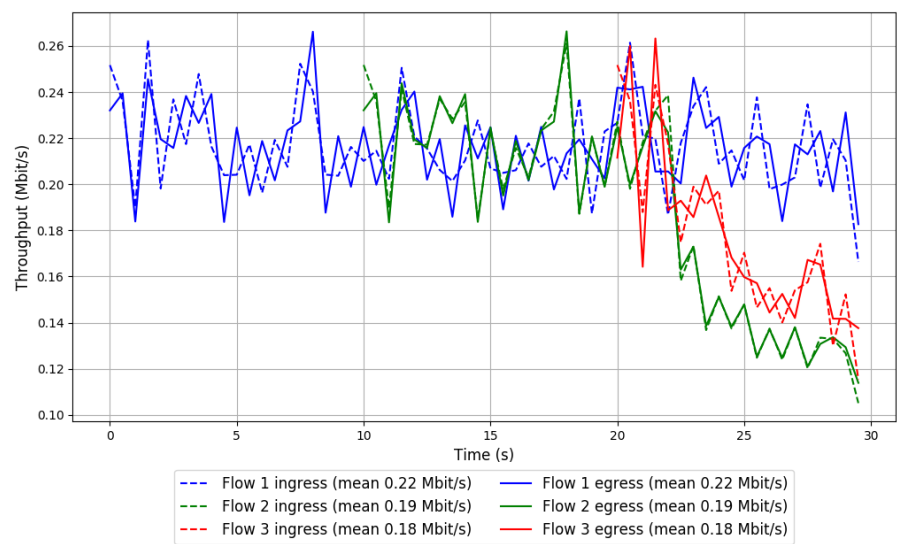


Run 7: Statistics of SCReAM

Start at: 2017-08-11 11:25:11  
End at: 2017-08-11 11:25:41  
Local clock offset: 0.488 ms  
Remote clock offset: -3.751 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 48.651 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.045 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 48.667 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 48.652 ms  
Loss rate: 0.41%

Run 7: Report of SReAM — Data Link

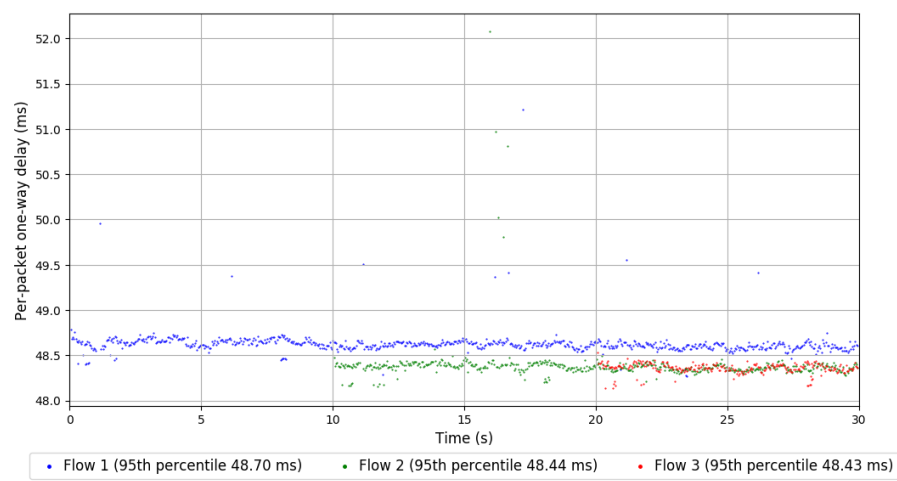
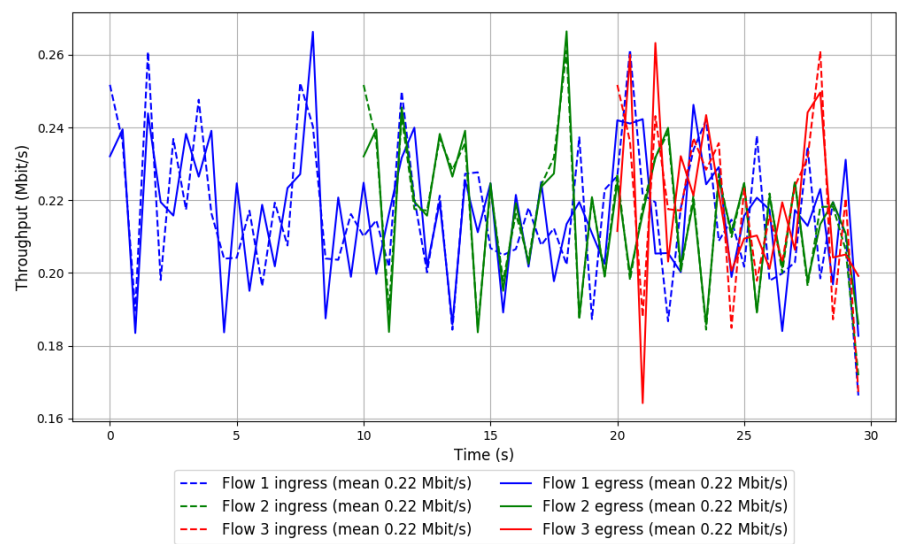


Run 8: Statistics of SReAM

Start at: 2017-08-11 11:46:12  
End at: 2017-08-11 11:46:42  
Local clock offset: 0.559 ms  
Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 48.681 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.696 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.435 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.429 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

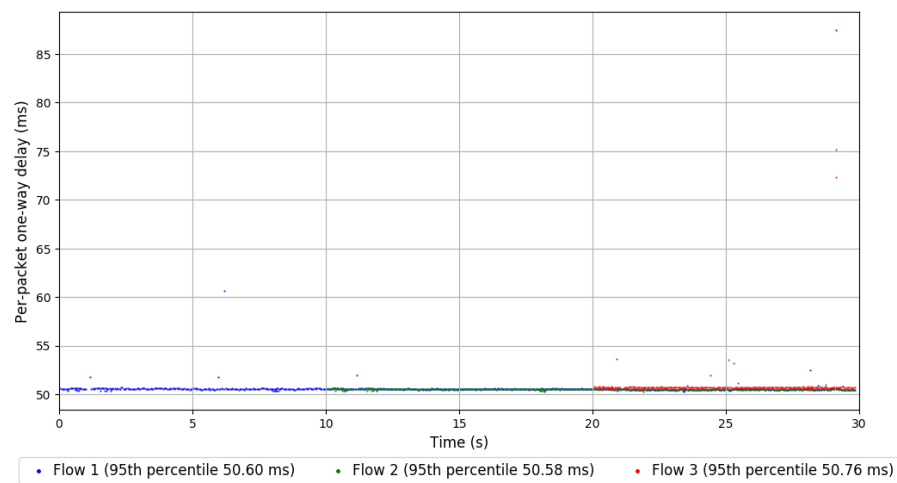
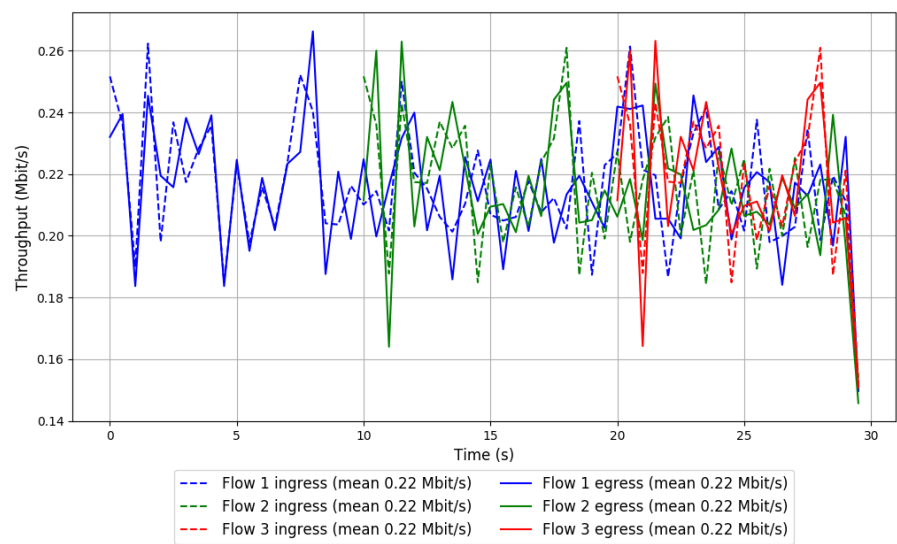


Run 9: Statistics of SReAM

Start at: 2017-08-11 12:07:12  
End at: 2017-08-11 12:07:42  
Local clock offset: 0.516 ms  
Remote clock offset: -0.713 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.721 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.600 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.576 ms  
Loss rate: 0.43%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.758 ms  
Loss rate: 0.76%

Run 9: Report of SReAM — Data Link



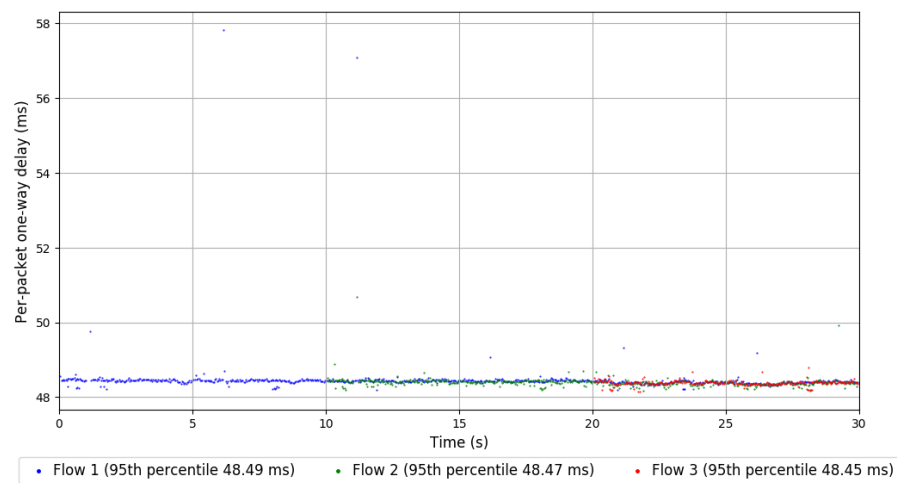
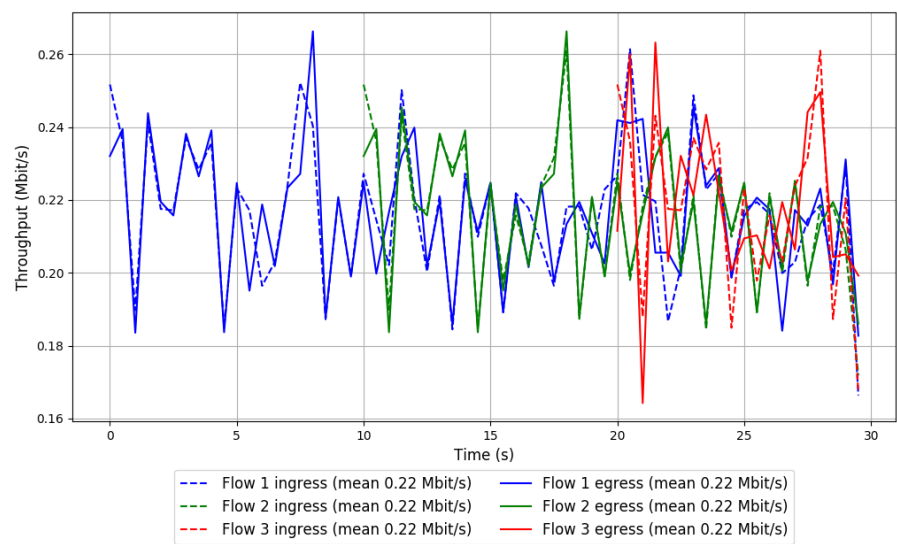
Run 10: Statistics of SReAM

Start at: 2017-08-11 12:28:21  
End at: 2017-08-11 12:28:51  
Local clock offset: 0.486 ms  
Remote clock offset: -2.305 ms

# Below is generated by plot.py at 2017-08-11 13:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 48.484 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.489 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.469 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.455 ms  
Loss rate: 0.00%



Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-08-11 09:18:00

End at: 2017-08-11 09:18:30

Local clock offset: 0.069 ms

Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2017-08-11 13:25:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 57.132 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 56.739 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 57.248 ms

Loss rate: 0.00%

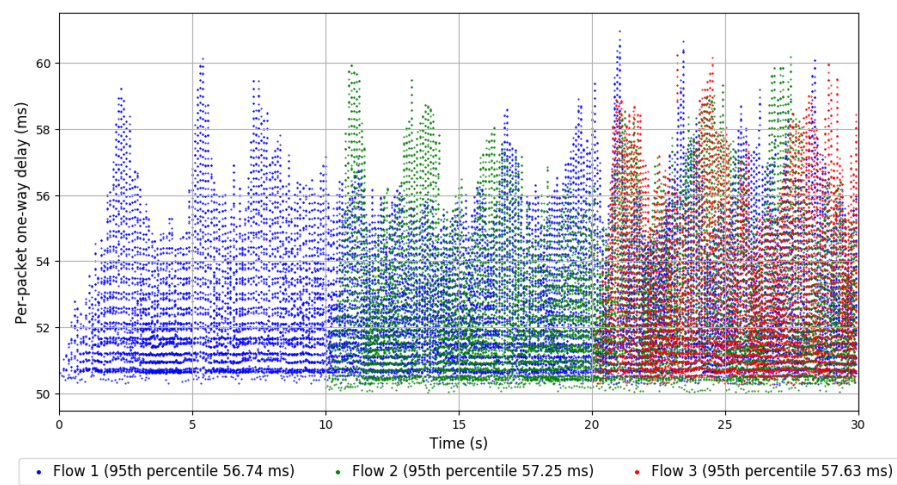
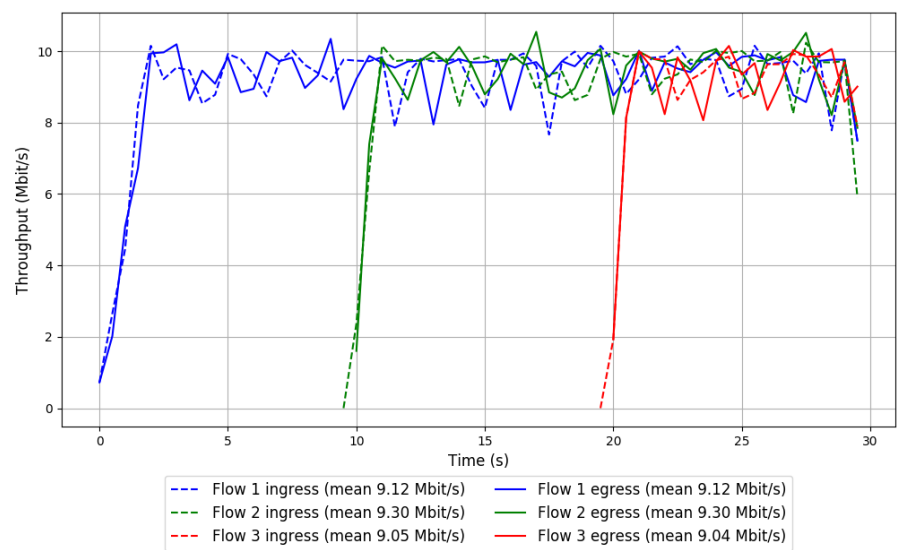
-- Flow 3:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 57.632 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

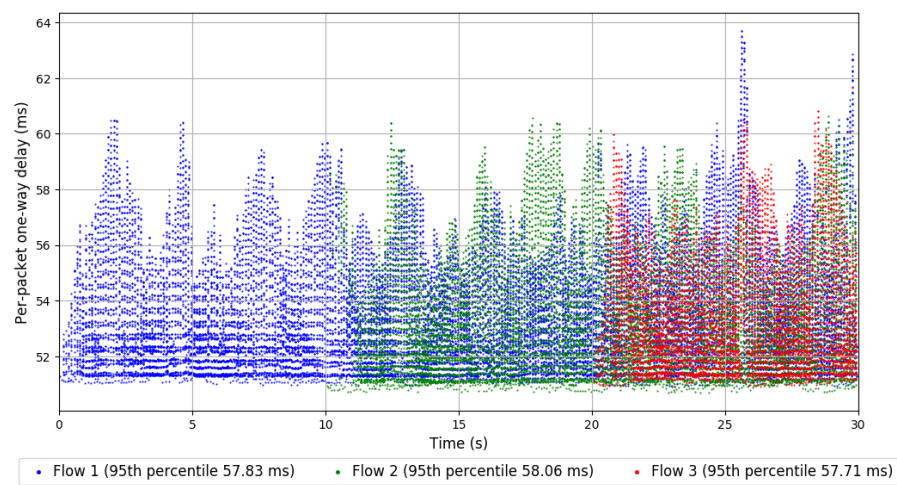
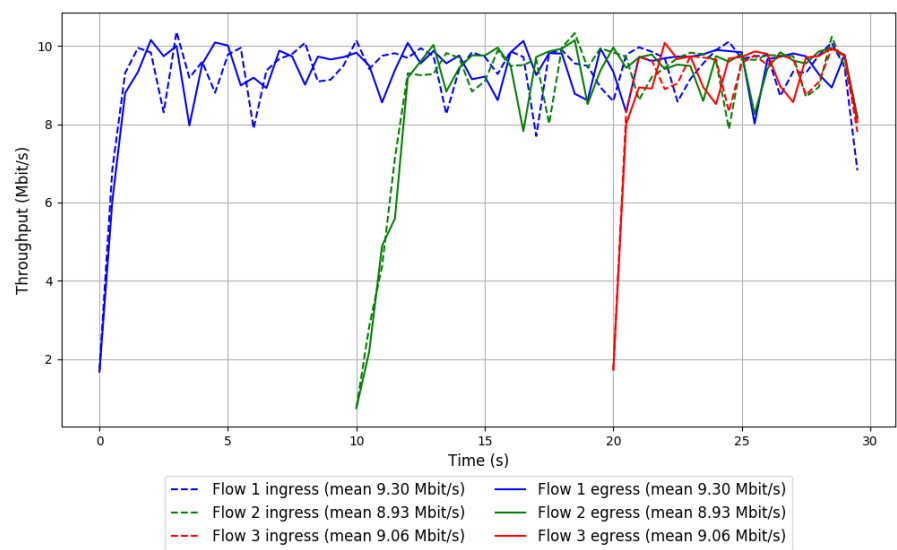


Run 2: Statistics of Sprout

Start at: 2017-08-11 09:38:58  
End at: 2017-08-11 09:39:28  
Local clock offset: 0.085 ms  
Remote clock offset: -0.111 ms

```
# Below is generated by plot.py at 2017-08-11 13:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 57.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 57.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 58.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 57.709 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

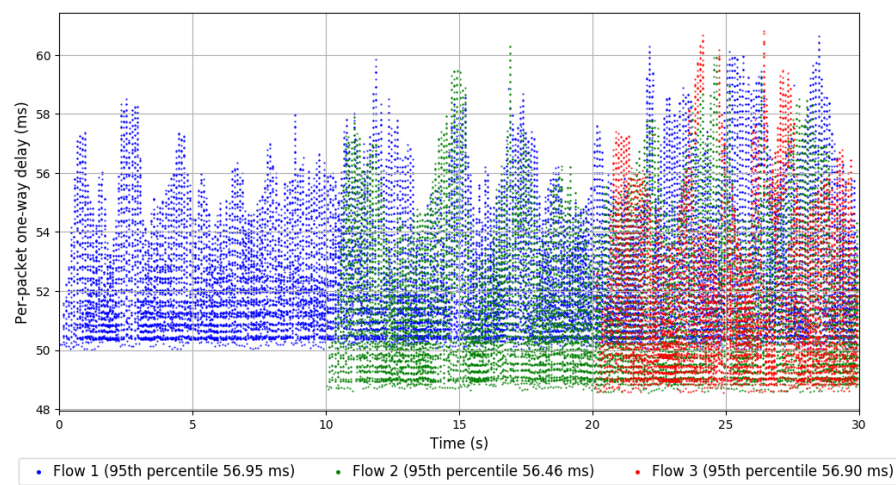
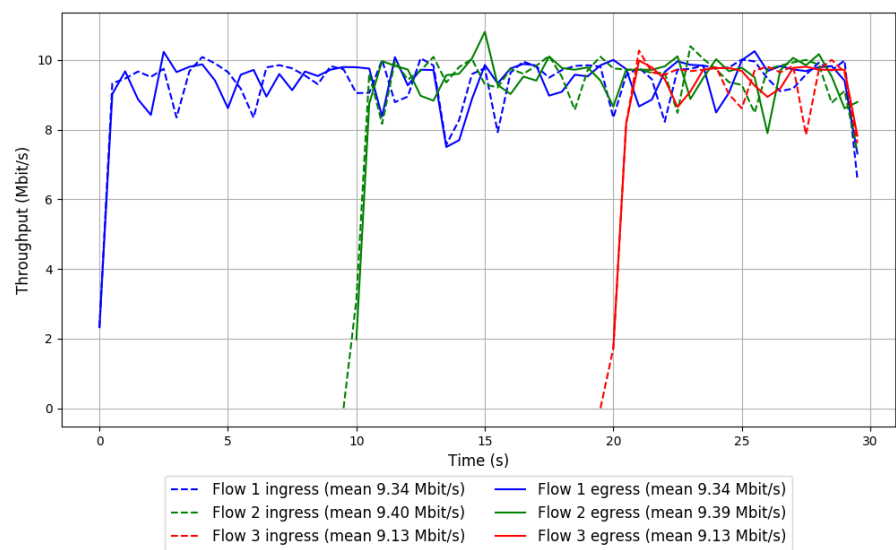


### Run 3: Statistics of Sprout

Start at: 2017-08-11 09:59:53  
End at: 2017-08-11 10:00:23  
Local clock offset: 0.216 ms  
Remote clock offset: -1.161 ms

```
# Below is generated by plot.py at 2017-08-11 13:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 56.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 56.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 56.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 56.904 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



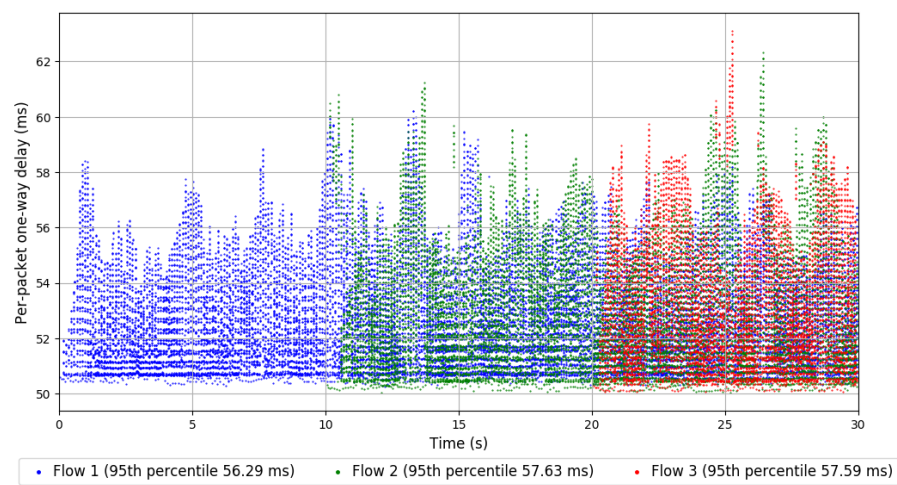
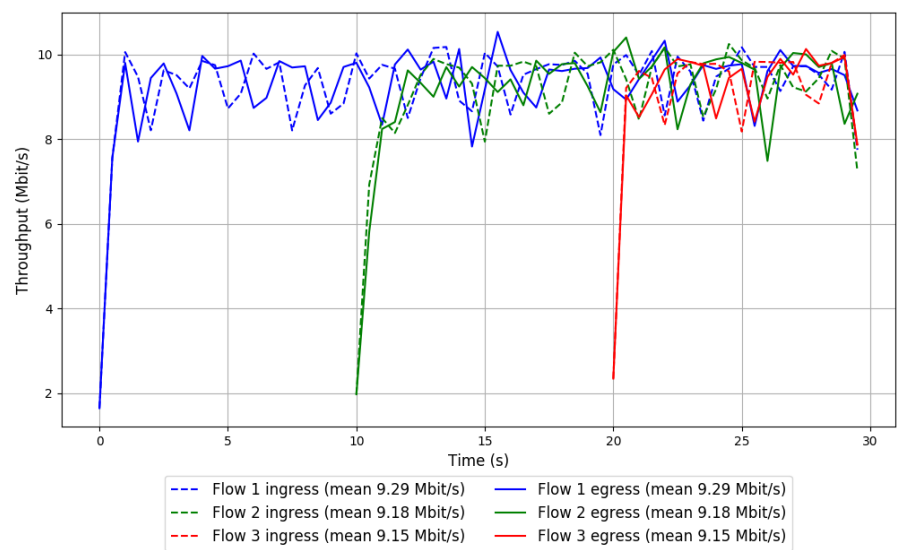
#### Run 4: Statistics of Sprout

Start at: 2017-08-11 10:20:53  
End at: 2017-08-11 10:21:23  
Local clock offset: 0.205 ms  
Remote clock offset: -1.55 ms

```
# Below is generated by plot.py at 2017-08-11 13:25:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 56.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 56.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 57.633 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 57.588 ms
Loss rate: 0.00%
```



Run 4: Report of Sprout — Data Link

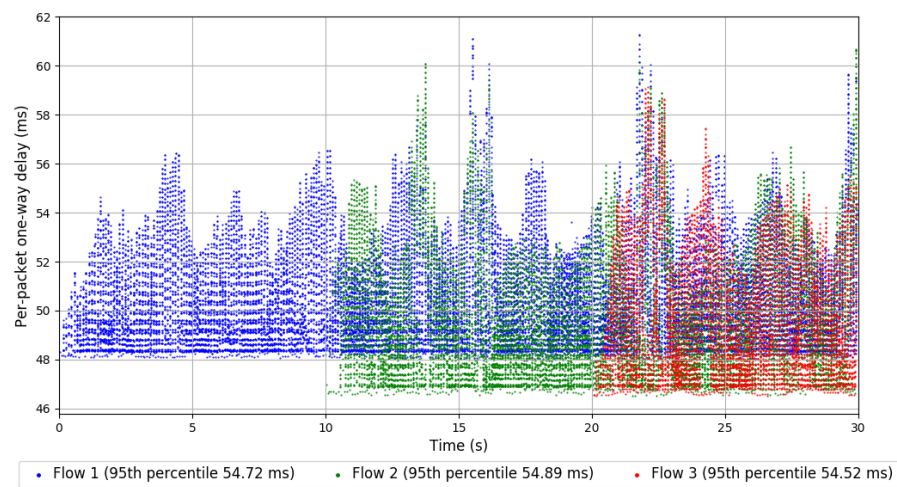
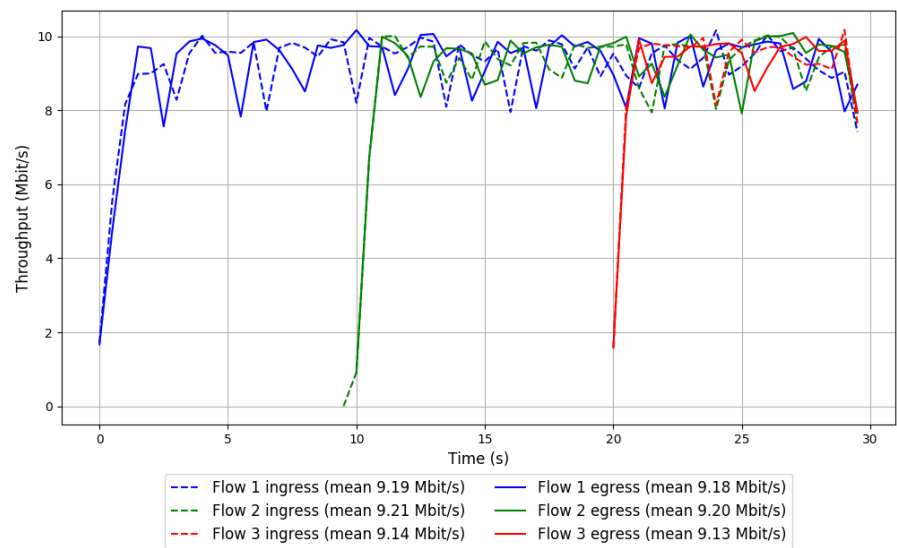


Run 5: Statistics of Sprout

Start at: 2017-08-11 10:41:53  
End at: 2017-08-11 10:42:23  
Local clock offset: 0.36 ms  
Remote clock offset: -3.755 ms

# Below is generated by plot.py at 2017-08-11 13:25:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.31 Mbit/s  
95th percentile per-packet one-way delay: 54.752 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.18 Mbit/s  
95th percentile per-packet one-way delay: 54.721 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 9.20 Mbit/s  
95th percentile per-packet one-way delay: 54.893 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 9.13 Mbit/s  
95th percentile per-packet one-way delay: 54.523 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

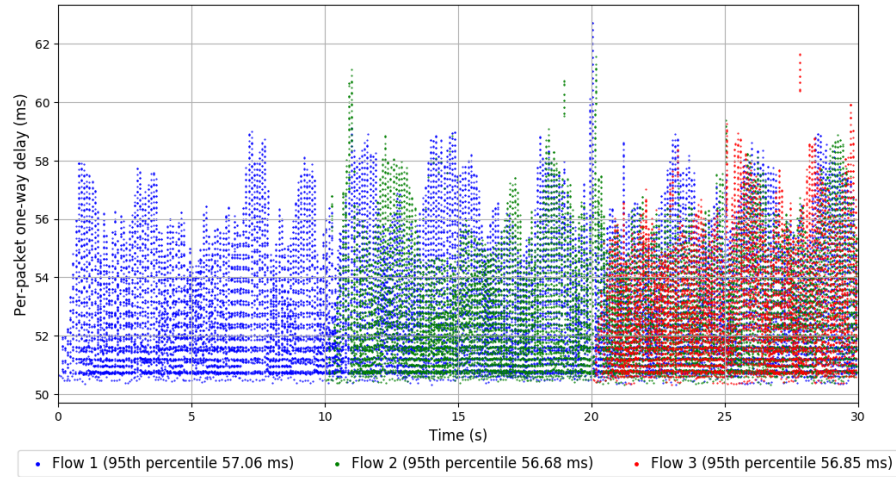
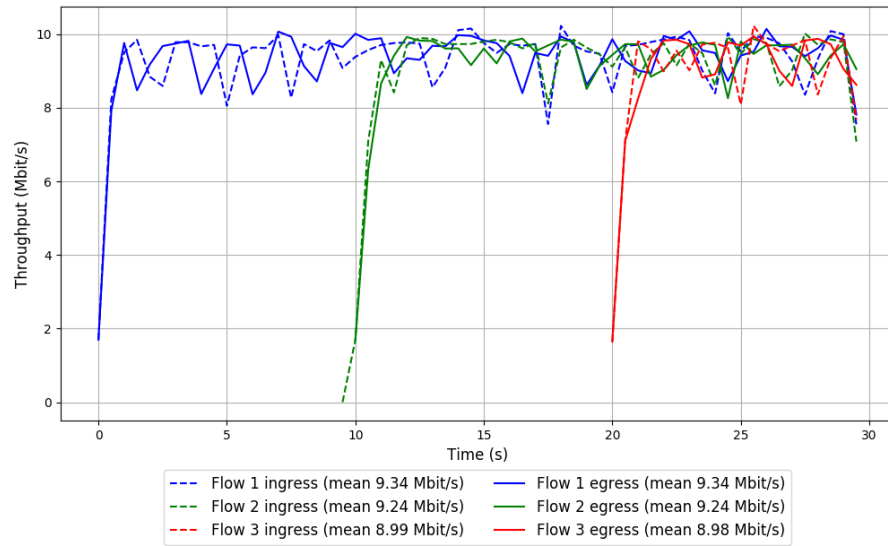


Run 6: Statistics of Sprout

Start at: 2017-08-11 11:02:49  
End at: 2017-08-11 11:03:20  
Local clock offset: 0.409 ms  
Remote clock offset: -1.836 ms

```
# Below is generated by plot.py at 2017-08-11 13:25:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 56.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 57.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 56.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 56.847 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

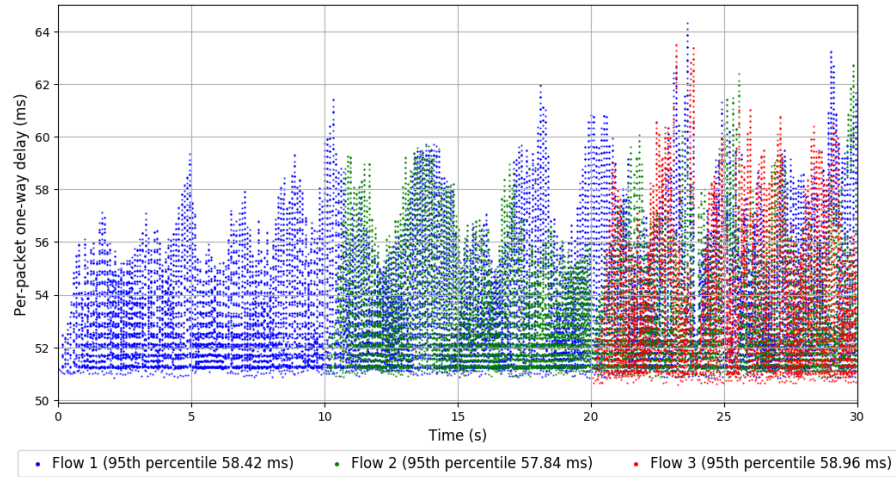
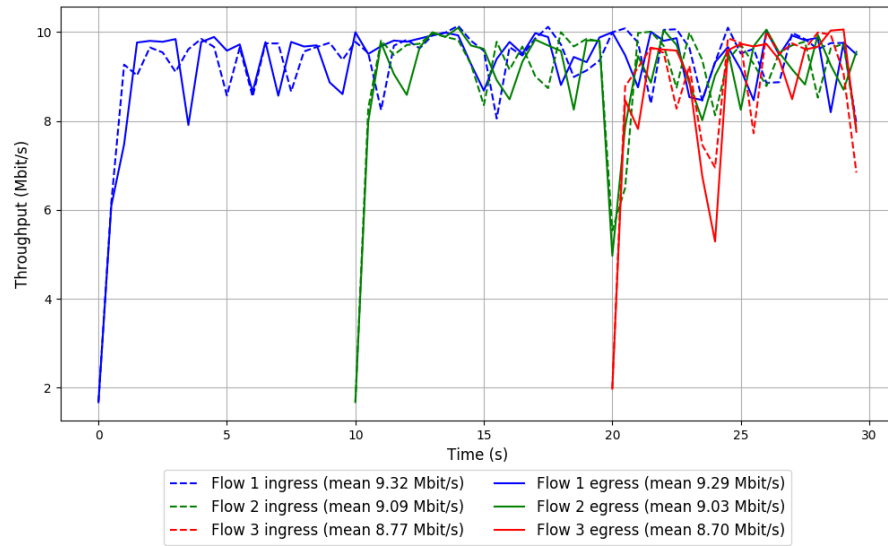


Run 7: Statistics of Sprout

Start at: 2017-08-11 11:23:50  
End at: 2017-08-11 11:24:20  
Local clock offset: 0.372 ms  
Remote clock offset: -1.278 ms

# Below is generated by plot.py at 2017-08-11 13:25:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.17 Mbit/s  
95th percentile per-packet one-way delay: 58.344 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 9.29 Mbit/s  
95th percentile per-packet one-way delay: 58.419 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 9.03 Mbit/s  
95th percentile per-packet one-way delay: 57.843 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 8.70 Mbit/s  
95th percentile per-packet one-way delay: 58.959 ms  
Loss rate: 0.77%

## Run 7: Report of Sprout — Data Link



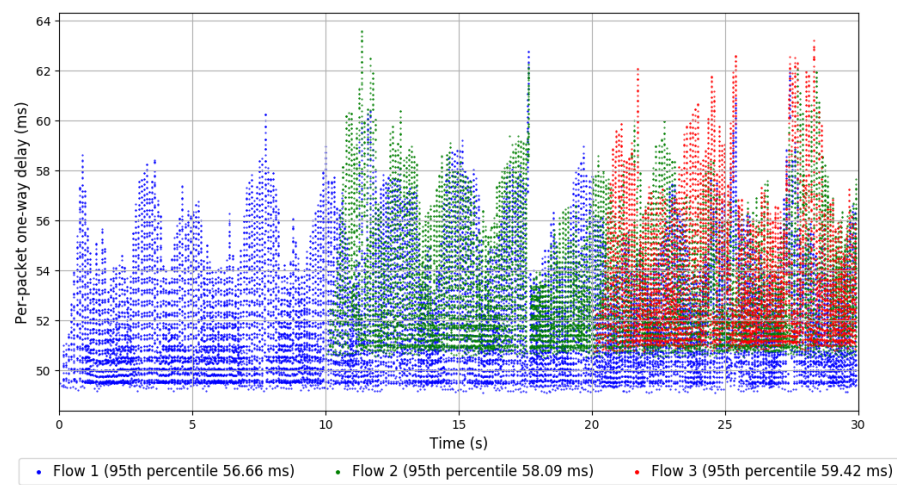
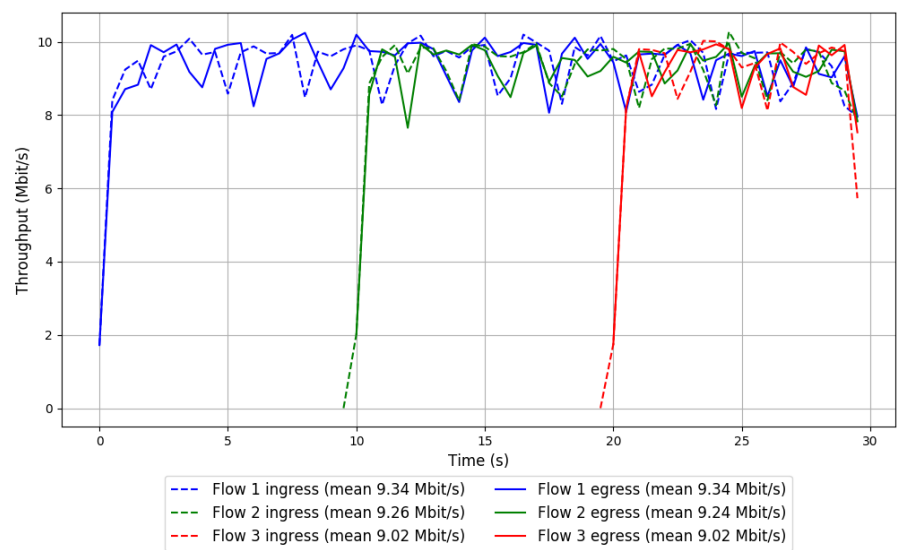
Run 8: Statistics of Sprout

Start at: 2017-08-11 11:44:52  
End at: 2017-08-11 11:45:22  
Local clock offset: 0.542 ms  
Remote clock offset: -0.921 ms

# Below is generated by plot.py at 2017-08-11 13:25:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.46 Mbit/s  
95th percentile per-packet one-way delay: 57.663 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 56.656 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 58.088 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 9.02 Mbit/s  
95th percentile per-packet one-way delay: 59.419 ms  
Loss rate: 0.00%



Run 8: Report of Sprout — Data Link

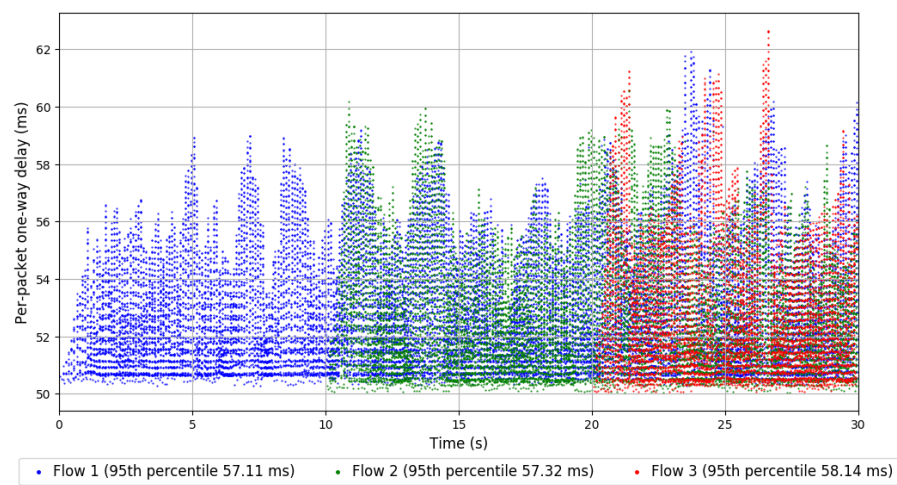
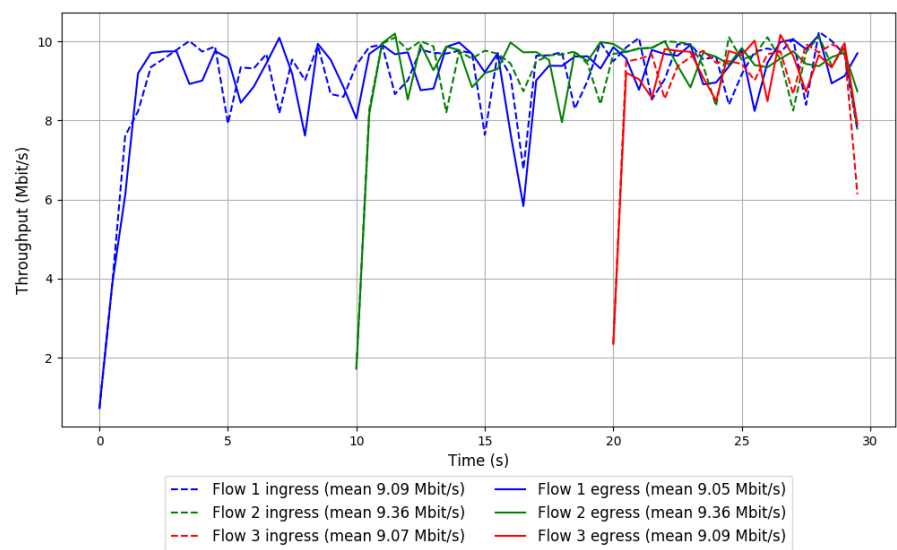


Run 9: Statistics of Sprout

Start at: 2017-08-11 12:05:51  
End at: 2017-08-11 12:06:21  
Local clock offset: 0.507 ms  
Remote clock offset: -0.846 ms

# Below is generated by plot.py at 2017-08-11 13:25:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.28 Mbit/s  
95th percentile per-packet one-way delay: 57.305 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 9.05 Mbit/s  
95th percentile per-packet one-way delay: 57.112 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 9.36 Mbit/s  
95th percentile per-packet one-way delay: 57.324 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 9.09 Mbit/s  
95th percentile per-packet one-way delay: 58.140 ms  
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-08-11 12:27:01

End at: 2017-08-11 12:27:31

Local clock offset: 0.496 ms

Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2017-08-11 13:25:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.32 Mbit/s

95th percentile per-packet one-way delay: 57.775 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 57.638 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 58.011 ms

Loss rate: 0.00%

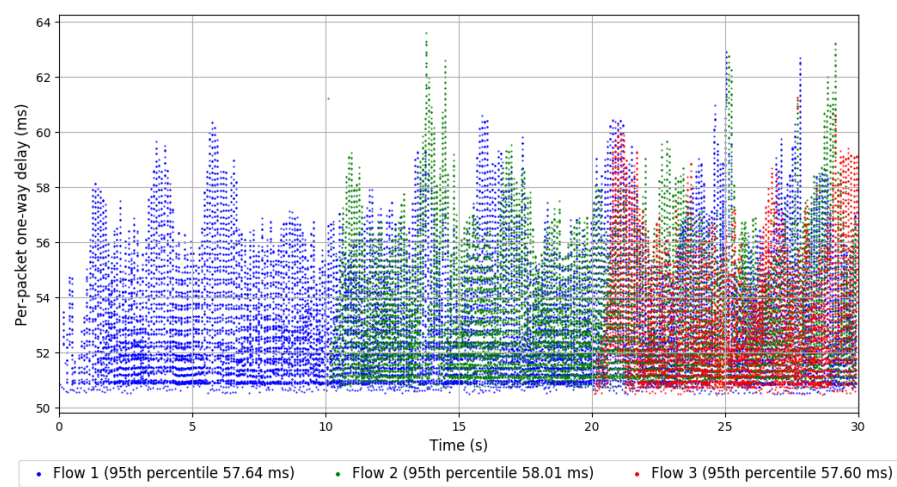
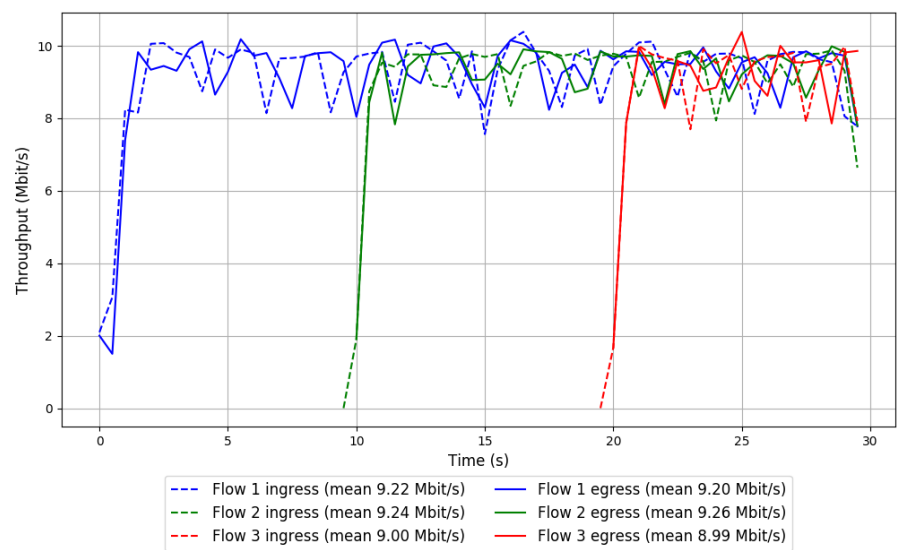
-- Flow 3:

Average throughput: 8.99 Mbit/s

95th percentile per-packet one-way delay: 57.598 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

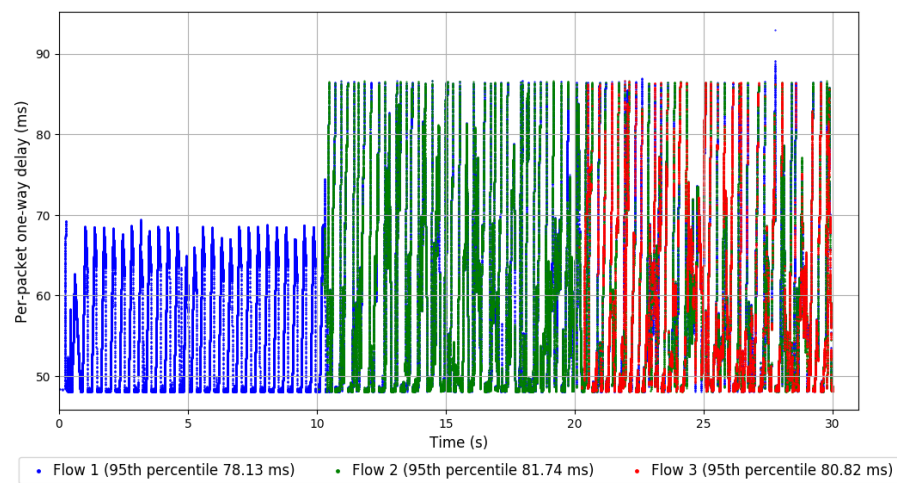
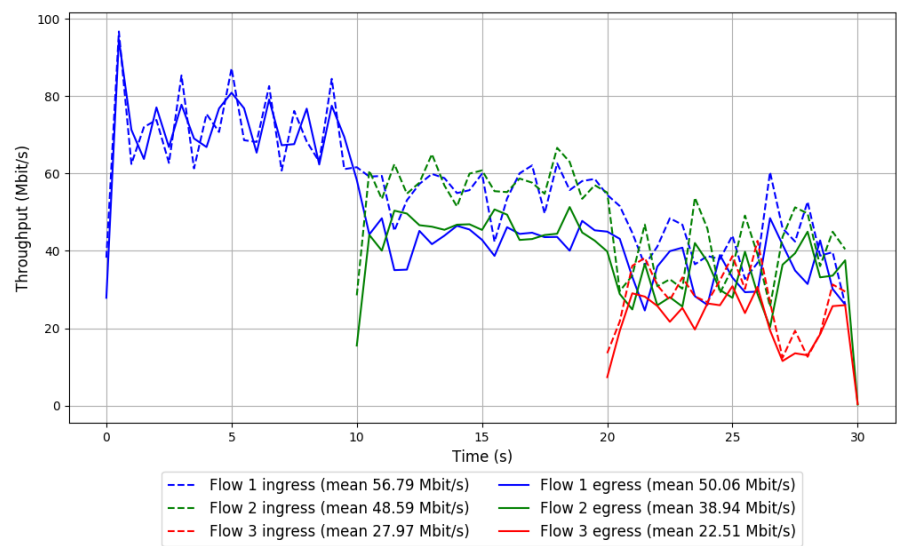


Run 1: Statistics of TaoVA-100x

Start at: 2017-08-11 09:13:46  
End at: 2017-08-11 09:14:16  
Local clock offset: 0.172 ms  
Remote clock offset: -2.142 ms

# Below is generated by plot.py at 2017-08-11 13:25:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.32 Mbit/s  
95th percentile per-packet one-way delay: 79.973 ms  
Loss rate: 15.22%  
-- Flow 1:  
Average throughput: 50.06 Mbit/s  
95th percentile per-packet one-way delay: 78.127 ms  
Loss rate: 11.85%  
-- Flow 2:  
Average throughput: 38.94 Mbit/s  
95th percentile per-packet one-way delay: 81.739 ms  
Loss rate: 19.87%  
-- Flow 3:  
Average throughput: 22.51 Mbit/s  
95th percentile per-packet one-way delay: 80.817 ms  
Loss rate: 19.66%

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



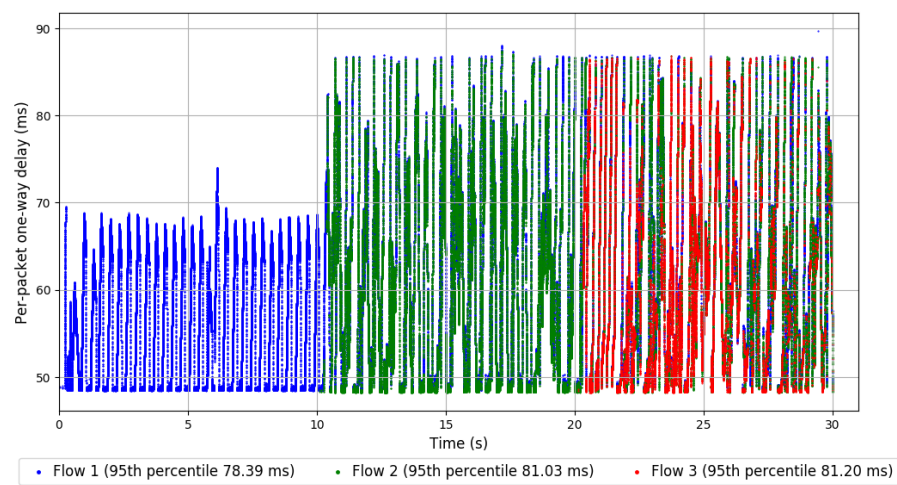
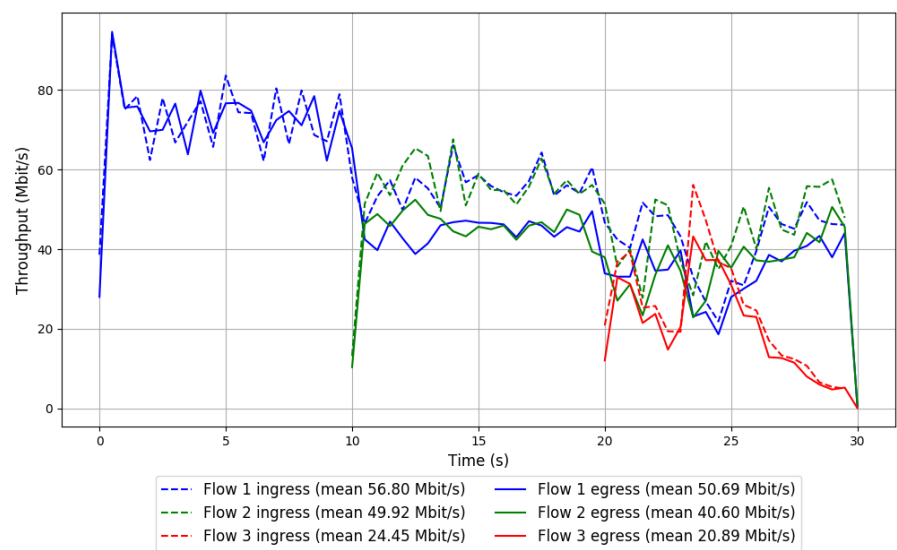
Run 2: Statistics of TaoVA-100x

Start at: 2017-08-11 09:34:44  
End at: 2017-08-11 09:35:14  
Local clock offset: 0.093 ms  
Remote clock offset: -2.712 ms

# Below is generated by plot.py at 2017-08-11 13:25:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.58 Mbit/s  
95th percentile per-packet one-way delay: 79.731 ms  
Loss rate: 13.73%  
-- Flow 1:  
Average throughput: 50.69 Mbit/s  
95th percentile per-packet one-way delay: 78.394 ms  
Loss rate: 10.74%  
-- Flow 2:  
Average throughput: 40.60 Mbit/s  
95th percentile per-packet one-way delay: 81.032 ms  
Loss rate: 18.66%  
-- Flow 3:  
Average throughput: 20.89 Mbit/s  
95th percentile per-packet one-way delay: 81.204 ms  
Loss rate: 14.54%



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

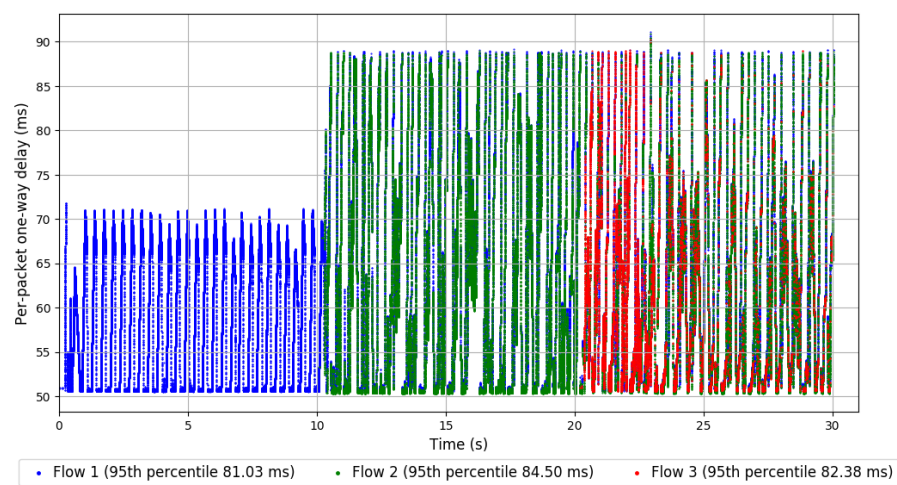
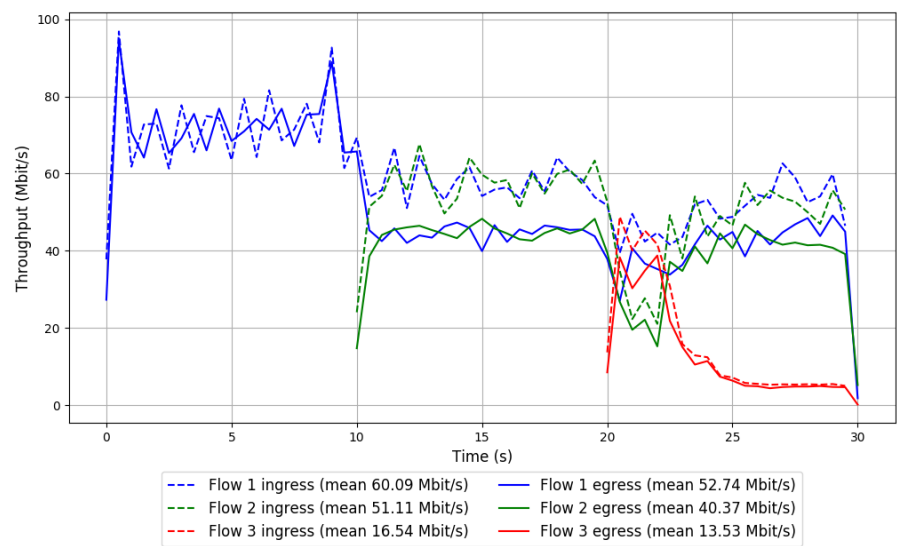


Run 3: Statistics of TaoVA-100x

Start at: 2017-08-11 09:55:40  
End at: 2017-08-11 09:56:10  
Local clock offset: 0.209 ms  
Remote clock offset: -0.916 ms

# Below is generated by plot.py at 2017-08-11 13:26:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.03 Mbit/s  
95th percentile per-packet one-way delay: 82.447 ms  
Loss rate: 15.45%  
-- Flow 1:  
Average throughput: 52.74 Mbit/s  
95th percentile per-packet one-way delay: 81.035 ms  
Loss rate: 12.14%  
-- Flow 2:  
Average throughput: 40.37 Mbit/s  
95th percentile per-packet one-way delay: 84.499 ms  
Loss rate: 20.89%  
-- Flow 3:  
Average throughput: 13.53 Mbit/s  
95th percentile per-packet one-way delay: 82.376 ms  
Loss rate: 18.05%

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

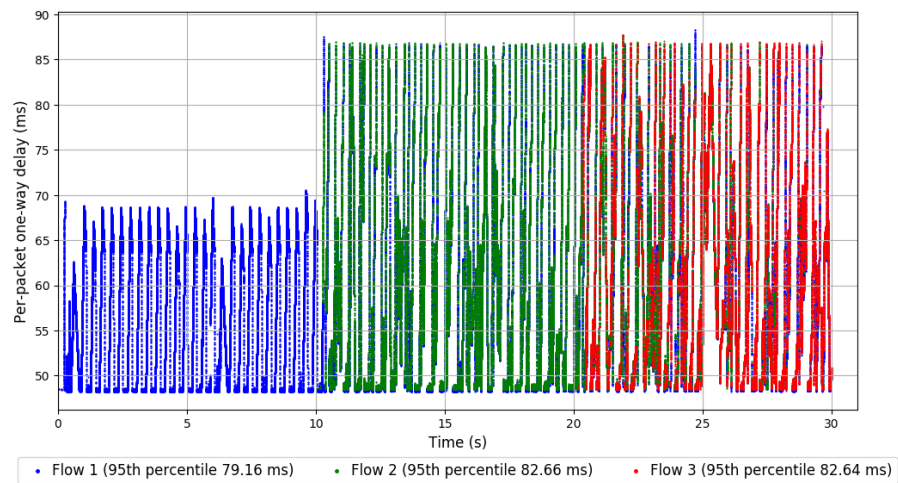
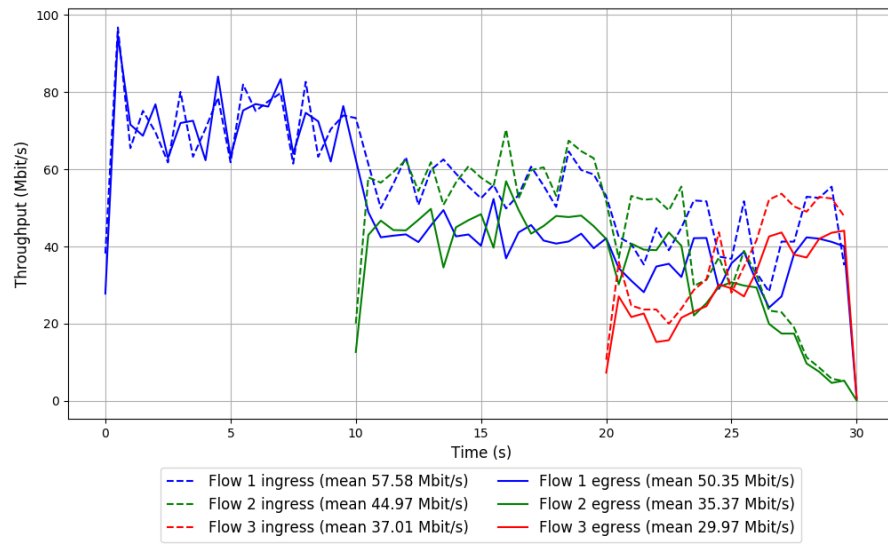


Run 4: Statistics of TaoVA-100x

Start at: 2017-08-11 10:16:39  
End at: 2017-08-11 10:17:09  
Local clock offset: 0.226 ms  
Remote clock offset: -3.437 ms

# Below is generated by plot.py at 2017-08-11 13:26:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.72 Mbit/s  
95th percentile per-packet one-way delay: 81.001 ms  
Loss rate: 15.98%  
-- Flow 1:  
Average throughput: 50.35 Mbit/s  
95th percentile per-packet one-way delay: 79.163 ms  
Loss rate: 12.56%  
-- Flow 2:  
Average throughput: 35.37 Mbit/s  
95th percentile per-packet one-way delay: 82.659 ms  
Loss rate: 21.33%  
-- Flow 3:  
Average throughput: 29.97 Mbit/s  
95th percentile per-packet one-way delay: 82.639 ms  
Loss rate: 19.03%

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

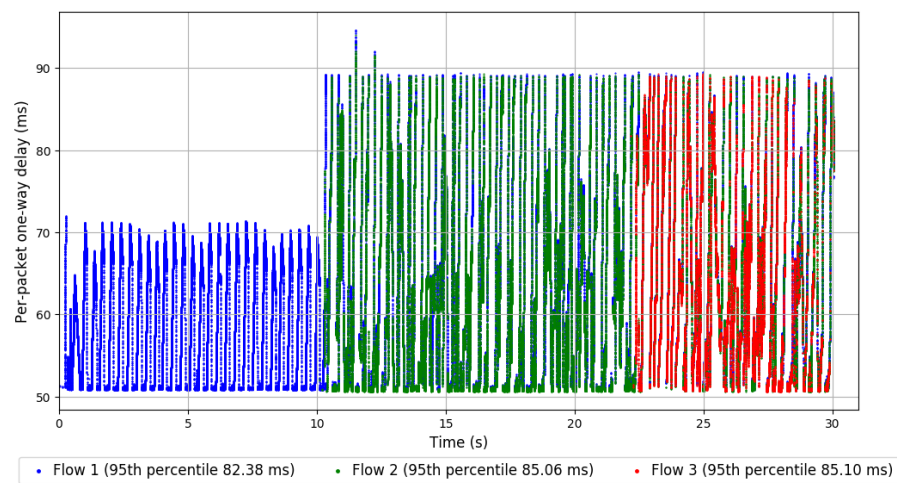
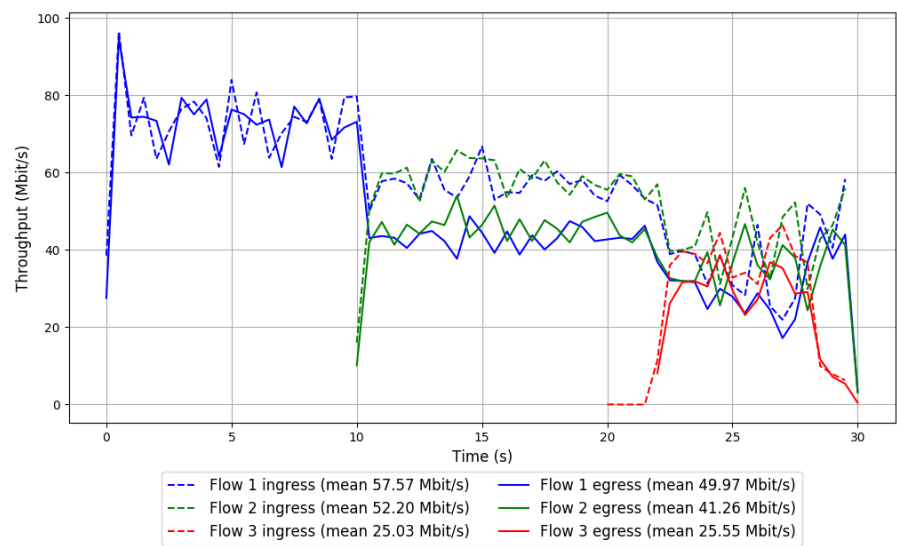


Run 5: Statistics of TaoVA-100x

Start at: 2017-08-11 10:37:38  
End at: 2017-08-11 10:38:08  
Local clock offset: 0.347 ms  
Remote clock offset: -1.298 ms

# Below is generated by plot.py at 2017-08-11 13:26:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.10 Mbit/s  
95th percentile per-packet one-way delay: 83.908 ms  
Loss rate: 16.25%  
-- Flow 1:  
Average throughput: 49.97 Mbit/s  
95th percentile per-packet one-way delay: 82.381 ms  
Loss rate: 13.12%  
-- Flow 2:  
Average throughput: 41.26 Mbit/s  
95th percentile per-packet one-way delay: 85.056 ms  
Loss rate: 20.86%  
-- Flow 3:  
Average throughput: 25.55 Mbit/s  
95th percentile per-packet one-way delay: 85.104 ms  
Loss rate: 18.68%

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



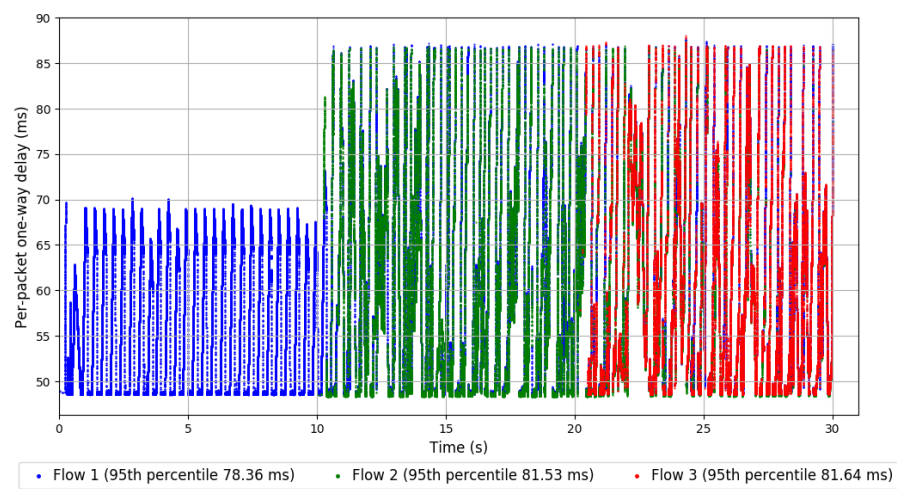
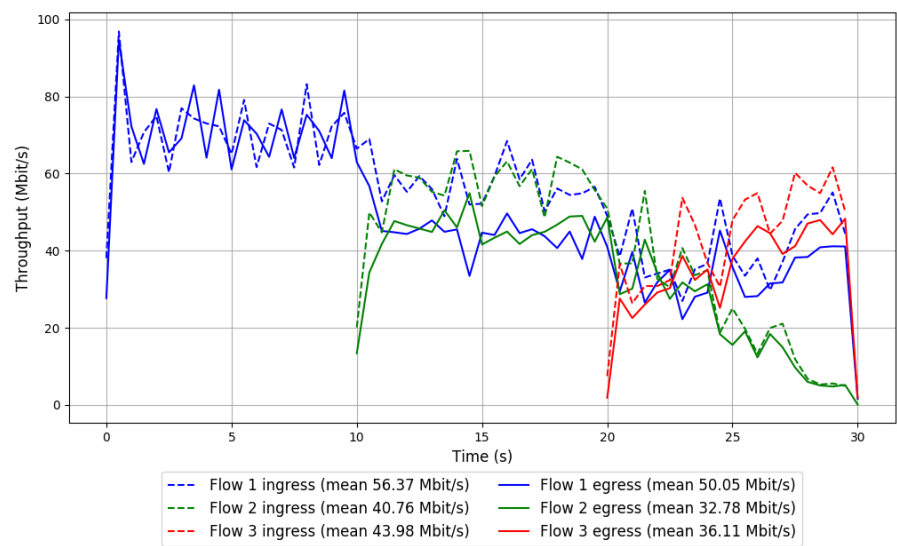
Run 6: Statistics of TaoVA-100x

Start at: 2017-08-11 10:58:36  
End at: 2017-08-11 10:59:06  
Local clock offset: 0.321 ms  
Remote clock offset: -3.868 ms

# Below is generated by plot.py at 2017-08-11 13:26:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.69 Mbit/s  
95th percentile per-packet one-way delay: 79.970 ms  
Loss rate: 14.48%  
-- Flow 1:  
Average throughput: 50.05 Mbit/s  
95th percentile per-packet one-way delay: 78.355 ms  
Loss rate: 11.18%  
-- Flow 2:  
Average throughput: 32.78 Mbit/s  
95th percentile per-packet one-way delay: 81.534 ms  
Loss rate: 19.53%  
-- Flow 3:  
Average throughput: 36.11 Mbit/s  
95th percentile per-packet one-way delay: 81.636 ms  
Loss rate: 17.91%



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

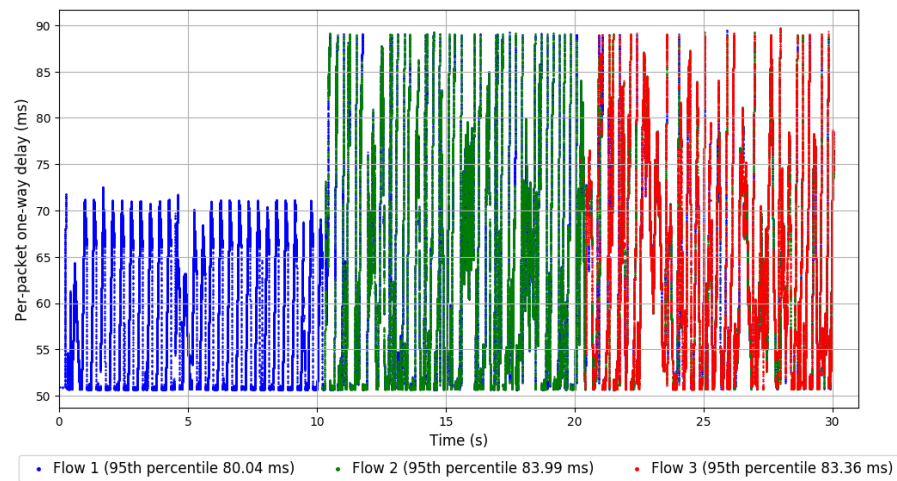
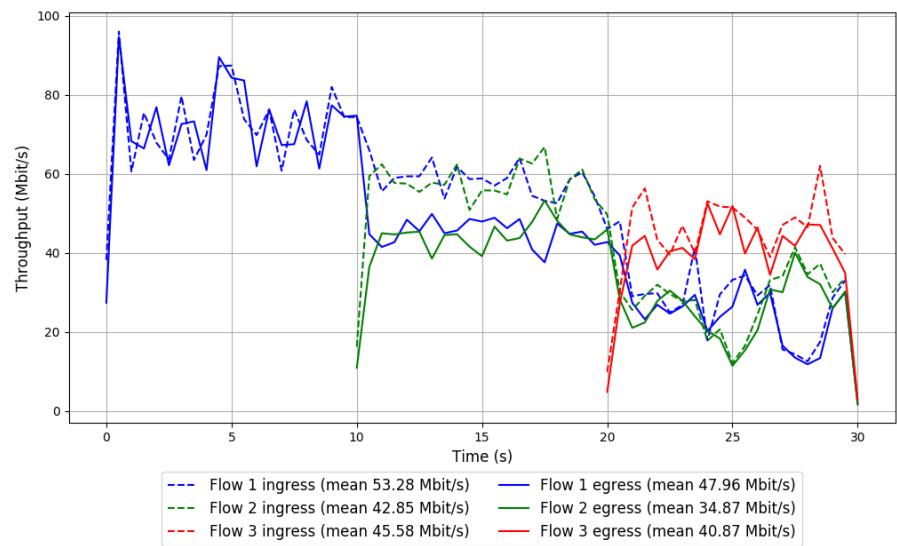


Run 7: Statistics of TaoVA-100x

Start at: 2017-08-11 11:19:35  
End at: 2017-08-11 11:20:05  
Local clock offset: 0.365 ms  
Remote clock offset: -1.643 ms

# Below is generated by plot.py at 2017-08-11 13:26:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.48 Mbit/s  
95th percentile per-packet one-way delay: 82.172 ms  
Loss rate: 12.54%  
-- Flow 1:  
Average throughput: 47.96 Mbit/s  
95th percentile per-packet one-way delay: 80.042 ms  
Loss rate: 9.92%  
-- Flow 2:  
Average throughput: 34.87 Mbit/s  
95th percentile per-packet one-way delay: 83.990 ms  
Loss rate: 18.60%  
-- Flow 3:  
Average throughput: 40.87 Mbit/s  
95th percentile per-packet one-way delay: 83.361 ms  
Loss rate: 10.36%

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

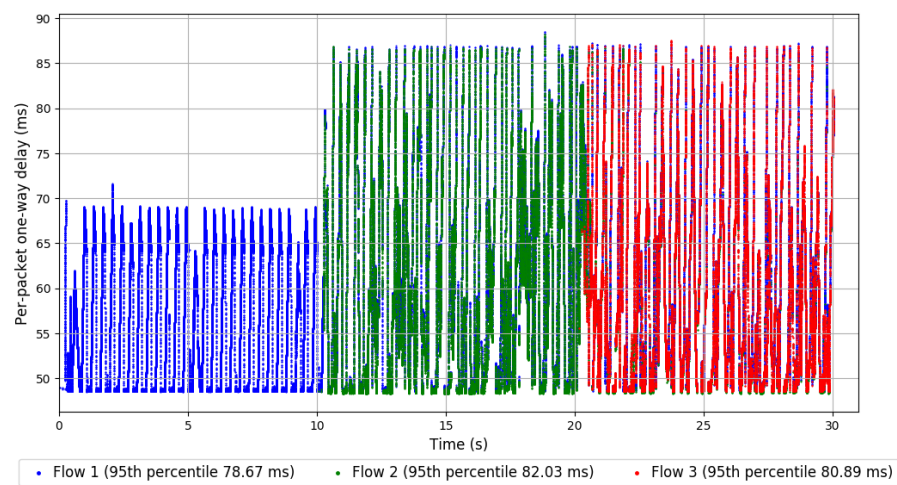
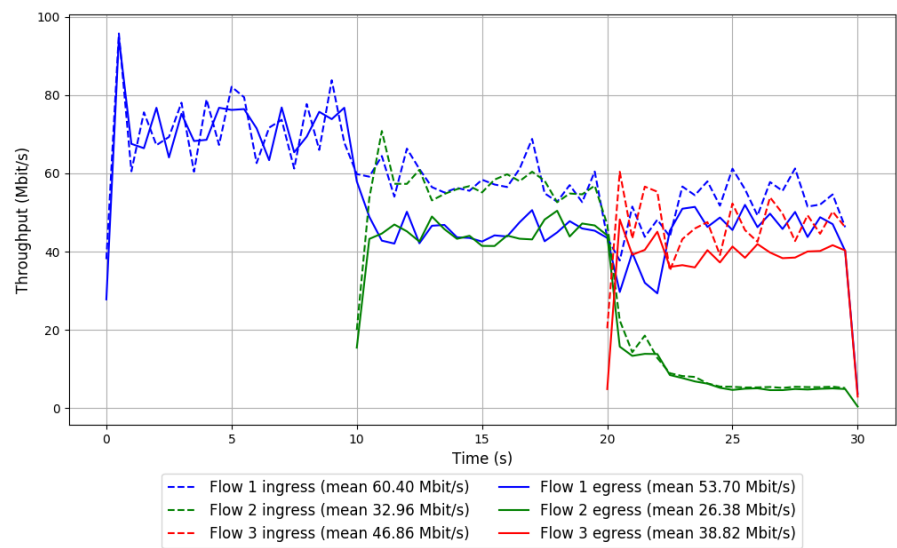


Run 8: Statistics of TaoVA-100x

Start at: 2017-08-11 11:40:38  
End at: 2017-08-11 11:41:08  
Local clock offset: 0.454 ms  
Remote clock offset: -3.546 ms

# Below is generated by plot.py at 2017-08-11 13:26:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.05 Mbit/s  
95th percentile per-packet one-way delay: 79.971 ms  
Loss rate: 13.95%  
-- Flow 1:  
Average throughput: 53.70 Mbit/s  
95th percentile per-packet one-way delay: 78.668 ms  
Loss rate: 11.02%  
-- Flow 2:  
Average throughput: 26.38 Mbit/s  
95th percentile per-packet one-way delay: 82.027 ms  
Loss rate: 19.86%  
-- Flow 3:  
Average throughput: 38.82 Mbit/s  
95th percentile per-packet one-way delay: 80.891 ms  
Loss rate: 16.97%

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

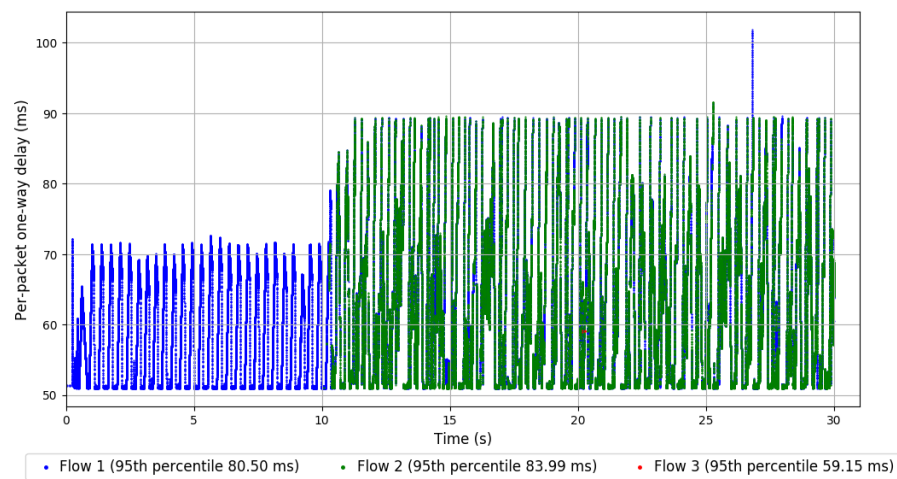
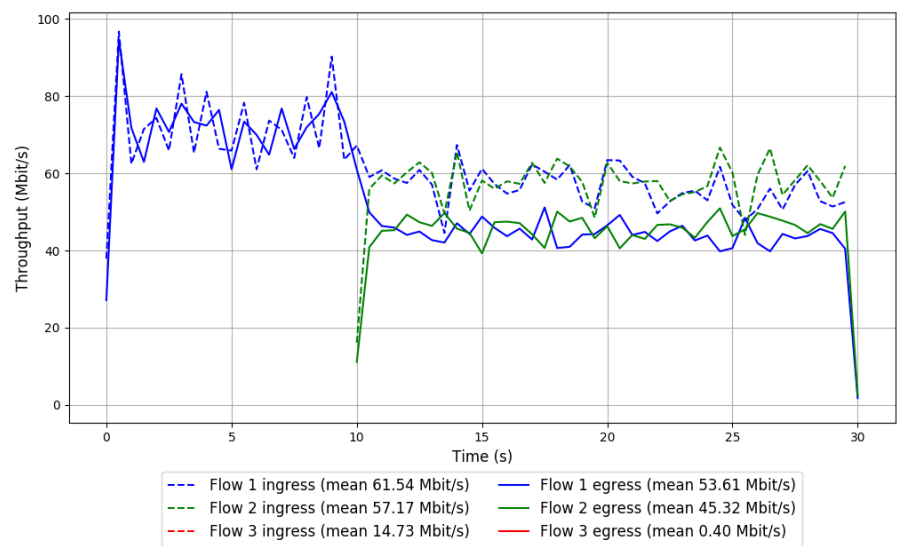


Run 9: Statistics of TaoVA-100x

Start at: 2017-08-11 12:01:38  
End at: 2017-08-11 12:02:08  
Local clock offset: 0.608 ms  
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2017-08-11 13:27:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.76 Mbit/s  
95th percentile per-packet one-way delay: 82.293 ms  
Loss rate: 15.93%  
-- Flow 1:  
Average throughput: 53.61 Mbit/s  
95th percentile per-packet one-way delay: 80.502 ms  
Loss rate: 12.86%  
-- Flow 2:  
Average throughput: 45.32 Mbit/s  
95th percentile per-packet one-way delay: 83.992 ms  
Loss rate: 20.67%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 59.146 ms  
Loss rate: 98.72%

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



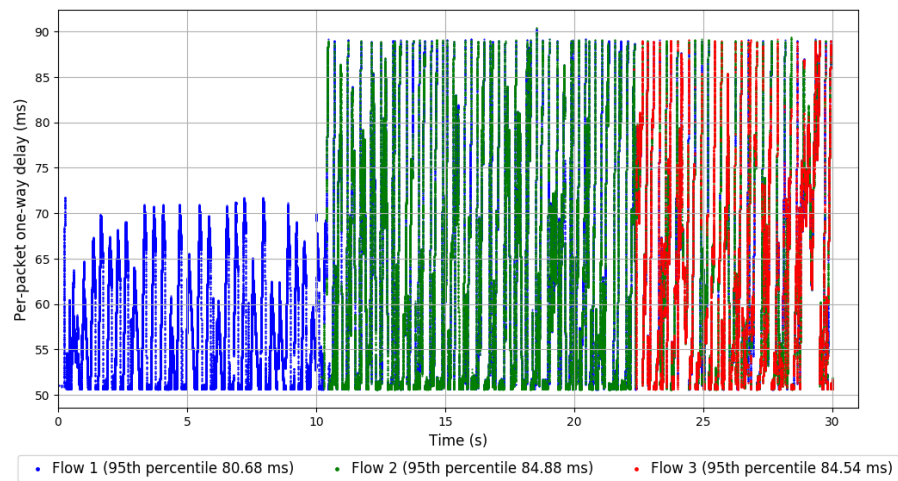
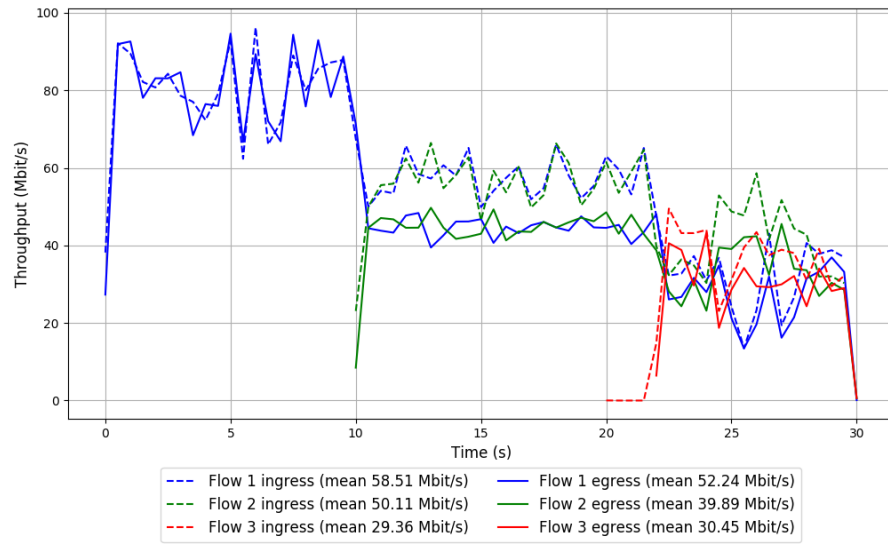
Run 10: Statistics of TaoVA-100x

Start at: 2017-08-11 12:22:46  
End at: 2017-08-11 12:23:16  
Local clock offset: 0.478 ms  
Remote clock offset: -0.294 ms

# Below is generated by plot.py at 2017-08-11 13:27:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.71 Mbit/s  
95th percentile per-packet one-way delay: 82.960 ms  
Loss rate: 14.55%  
-- Flow 1:  
Average throughput: 52.24 Mbit/s  
95th percentile per-packet one-way delay: 80.679 ms  
Loss rate: 10.73%  
-- Flow 2:  
Average throughput: 39.89 Mbit/s  
95th percentile per-packet one-way delay: 84.879 ms  
Loss rate: 20.42%  
-- Flow 3:  
Average throughput: 30.45 Mbit/s  
95th percentile per-packet one-way delay: 84.538 ms  
Loss rate: 17.43%



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



Run 1: Statistics of TCP Vegas

Start at: 2017-08-11 09:09:27

End at: 2017-08-11 09:09:57

Local clock offset: 0.07 ms

Remote clock offset: -2.02 ms

# Below is generated by plot.py at 2017-08-11 13:27:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 65.582 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 64.887 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 65.773 ms

Loss rate: 0.35%

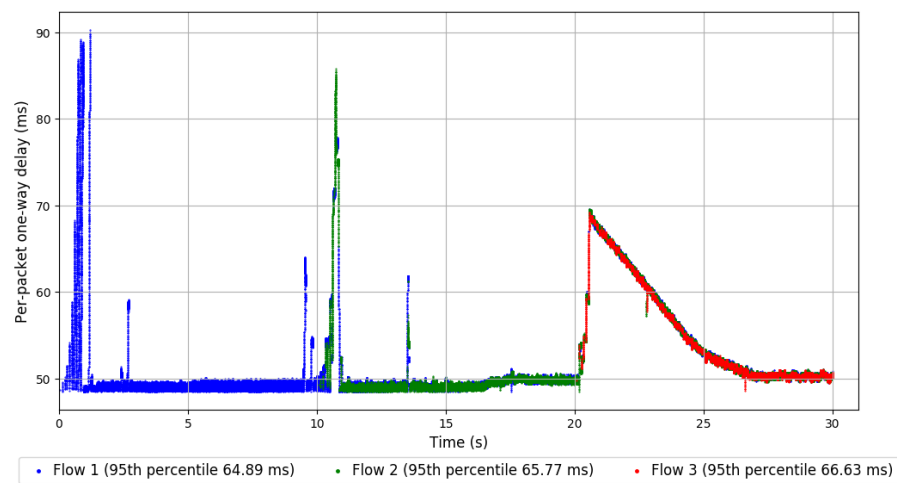
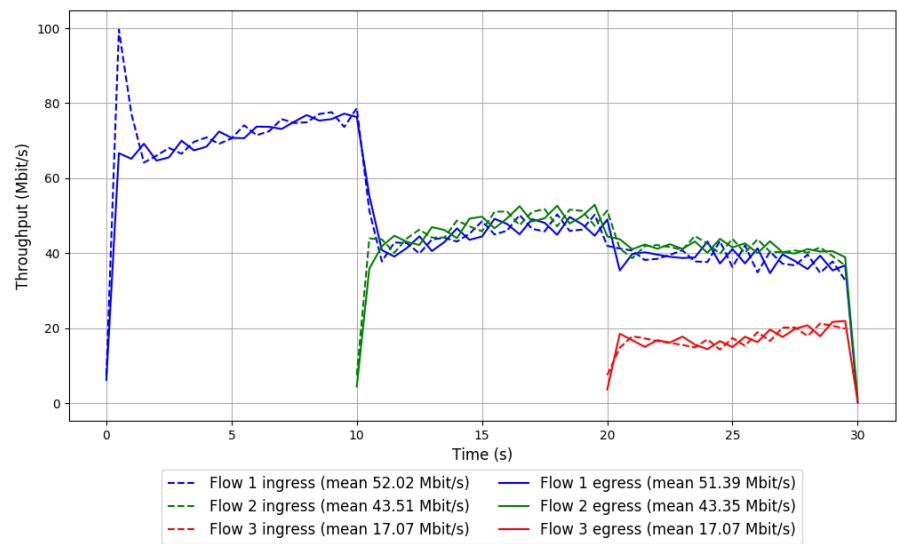
-- Flow 3:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 66.632 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

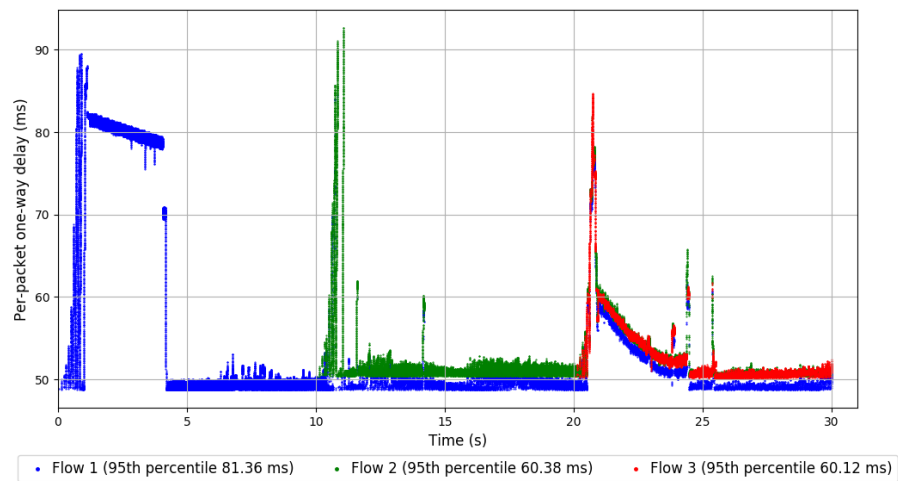
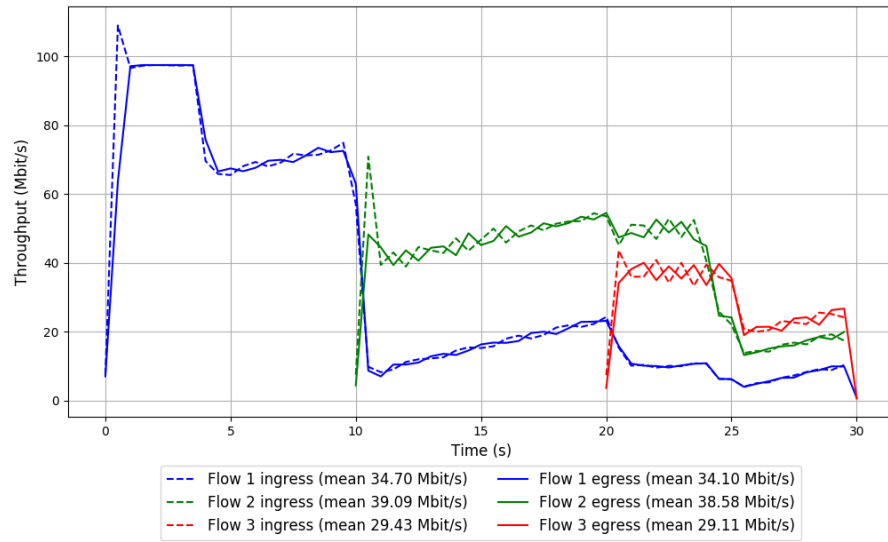


Run 2: Statistics of TCP Vegas

Start at: 2017-08-11 09:30:26  
End at: 2017-08-11 09:30:56  
Local clock offset: 0.187 ms  
Remote clock offset: -0.519 ms

# Below is generated by plot.py at 2017-08-11 13:27:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 69.44 Mbit/s  
95th percentile per-packet one-way delay: 80.721 ms  
Loss rate: 1.47%  
-- Flow 1:  
Average throughput: 34.10 Mbit/s  
95th percentile per-packet one-way delay: 81.362 ms  
Loss rate: 1.70%  
-- Flow 2:  
Average throughput: 38.58 Mbit/s  
95th percentile per-packet one-way delay: 60.375 ms  
Loss rate: 1.31%  
-- Flow 3:  
Average throughput: 29.11 Mbit/s  
95th percentile per-packet one-way delay: 60.116 ms  
Loss rate: 1.07%

## Run 2: Report of TCP Vegas — Data Link

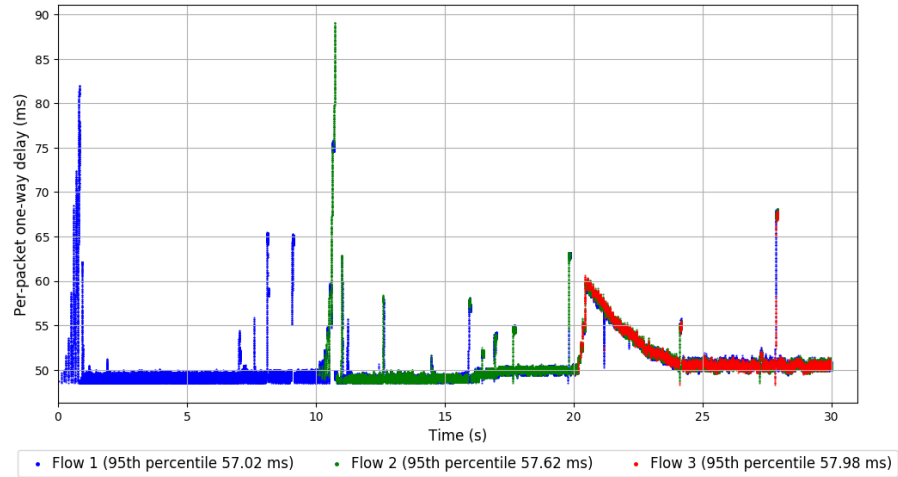
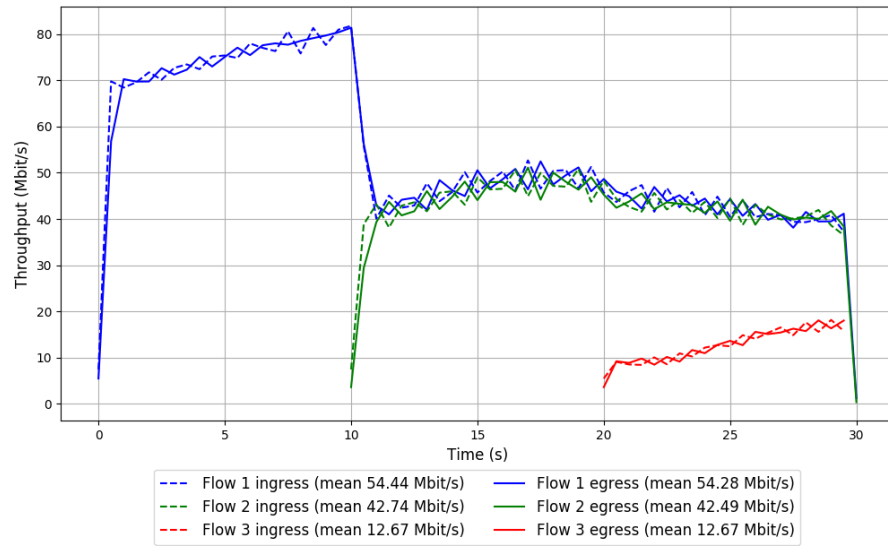


Run 3: Statistics of TCP Vegas

Start at: 2017-08-11 09:51:23  
End at: 2017-08-11 09:51:53  
Local clock offset: 0.081 ms  
Remote clock offset: -3.038 ms

# Below is generated by plot.py at 2017-08-11 13:27:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.76 Mbit/s  
95th percentile per-packet one-way delay: 57.303 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 54.28 Mbit/s  
95th percentile per-packet one-way delay: 57.016 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 42.49 Mbit/s  
95th percentile per-packet one-way delay: 57.623 ms  
Loss rate: 0.59%  
-- Flow 3:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 57.981 ms  
Loss rate: 0.00%

### Run 3: Report of TCP Vegas — Data Link



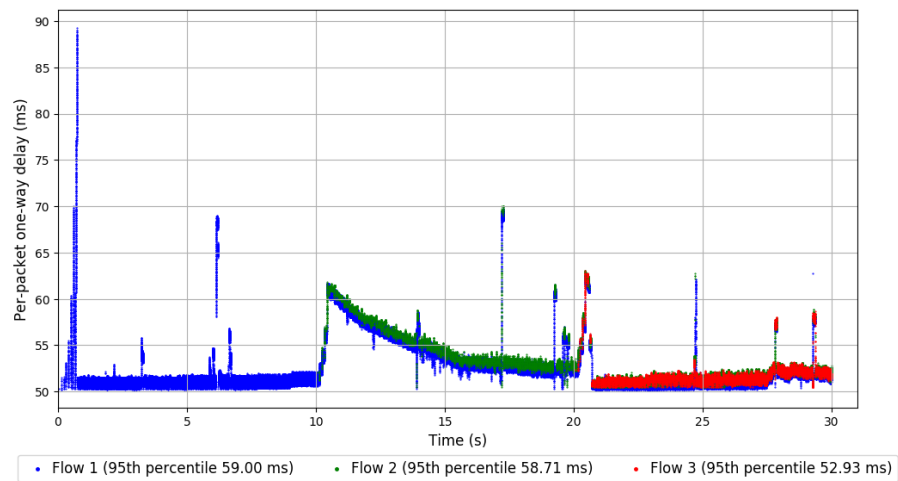
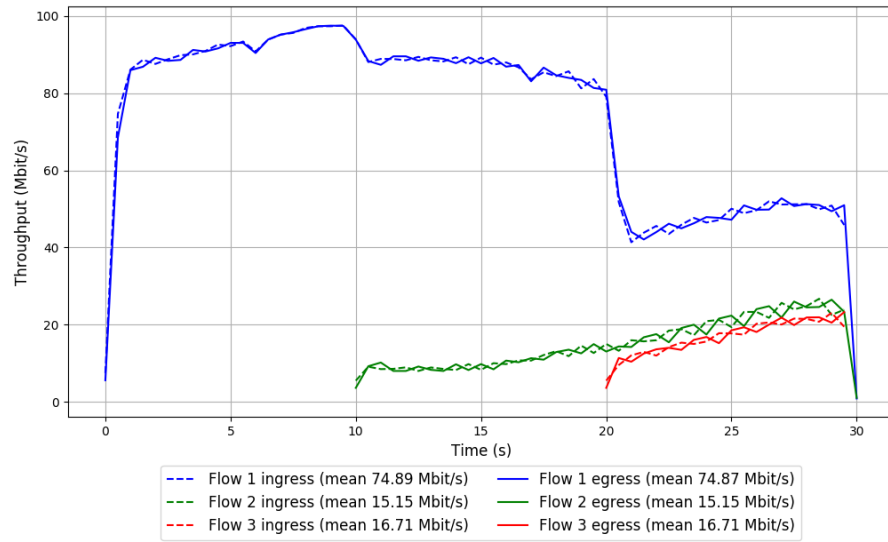
Run 4: Statistics of TCP Vegas

Start at: 2017-08-11 10:12:18  
End at: 2017-08-11 10:12:48  
Local clock offset: 0.165 ms  
Remote clock offset: -1.414 ms

# Below is generated by plot.py at 2017-08-11 13:27:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.49 Mbit/s  
95th percentile per-packet one-way delay: 58.770 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 74.87 Mbit/s  
95th percentile per-packet one-way delay: 59.004 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 15.15 Mbit/s  
95th percentile per-packet one-way delay: 58.712 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 16.71 Mbit/s  
95th percentile per-packet one-way delay: 52.930 ms  
Loss rate: 0.00%



#### Run 4: Report of TCP Vegas — Data Link

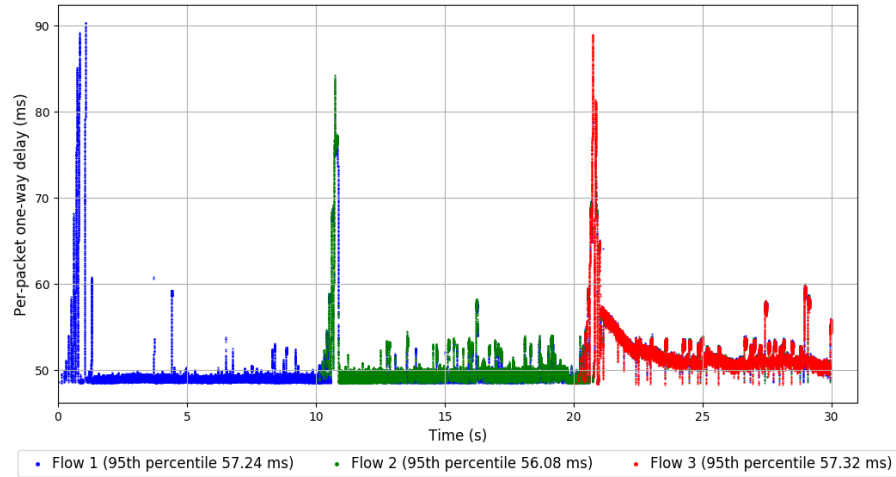
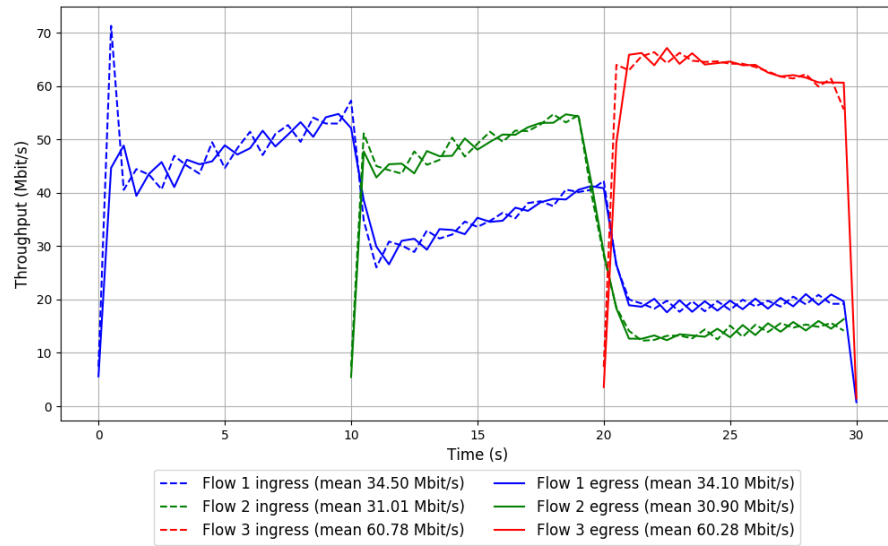


Run 5: Statistics of TCP Vegas

Start at: 2017-08-11 10:33:21  
End at: 2017-08-11 10:33:51  
Local clock offset: 0.223 ms  
Remote clock offset: -3.624 ms

# Below is generated by plot.py at 2017-08-11 13:27:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 74.66 Mbit/s  
95th percentile per-packet one-way delay: 57.073 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 34.10 Mbit/s  
95th percentile per-packet one-way delay: 57.237 ms  
Loss rate: 1.15%  
-- Flow 2:  
Average throughput: 30.90 Mbit/s  
95th percentile per-packet one-way delay: 56.081 ms  
Loss rate: 0.32%  
-- Flow 3:  
Average throughput: 60.28 Mbit/s  
95th percentile per-packet one-way delay: 57.317 ms  
Loss rate: 0.75%

# Run 5: Report of TCP Vegas — Data Link

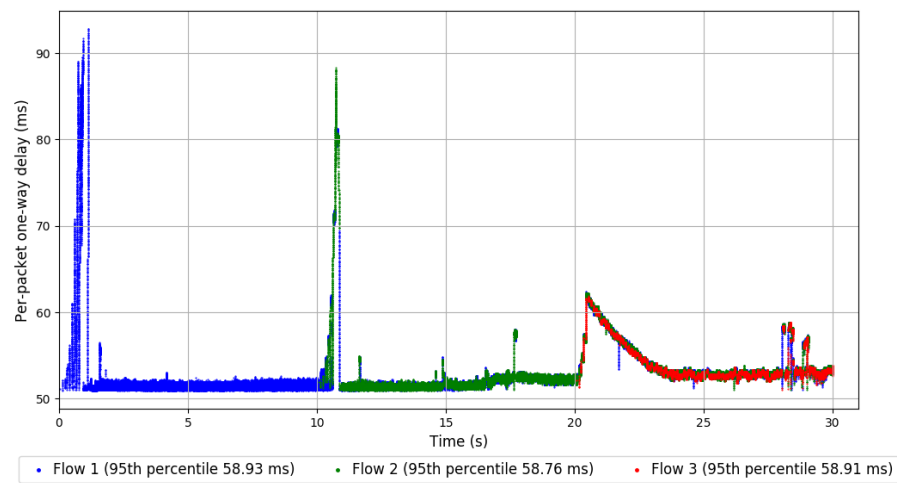
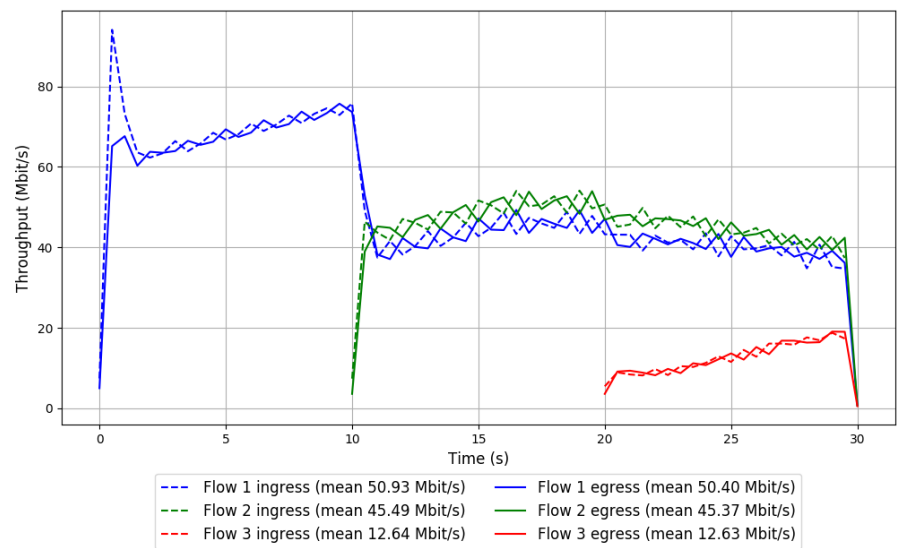


Run 6: Statistics of TCP Vegas

Start at: 2017-08-11 10:54:18  
End at: 2017-08-11 10:54:48  
Local clock offset: 0.313 ms  
Remote clock offset: -1.446 ms

# Below is generated by plot.py at 2017-08-11 13:27:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.80 Mbit/s  
95th percentile per-packet one-way delay: 58.900 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 50.40 Mbit/s  
95th percentile per-packet one-way delay: 58.929 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 45.37 Mbit/s  
95th percentile per-packet one-way delay: 58.761 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 12.63 Mbit/s  
95th percentile per-packet one-way delay: 58.906 ms  
Loss rate: 0.10%

Run 6: Report of TCP Vegas — Data Link

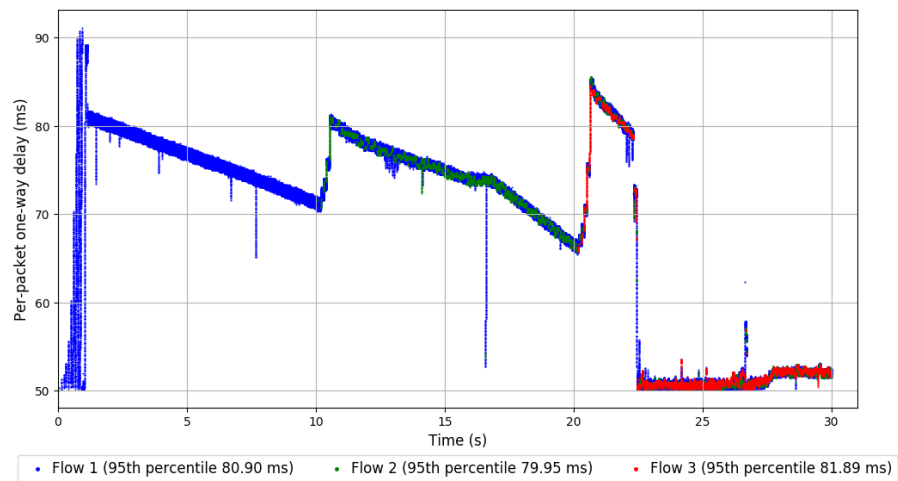
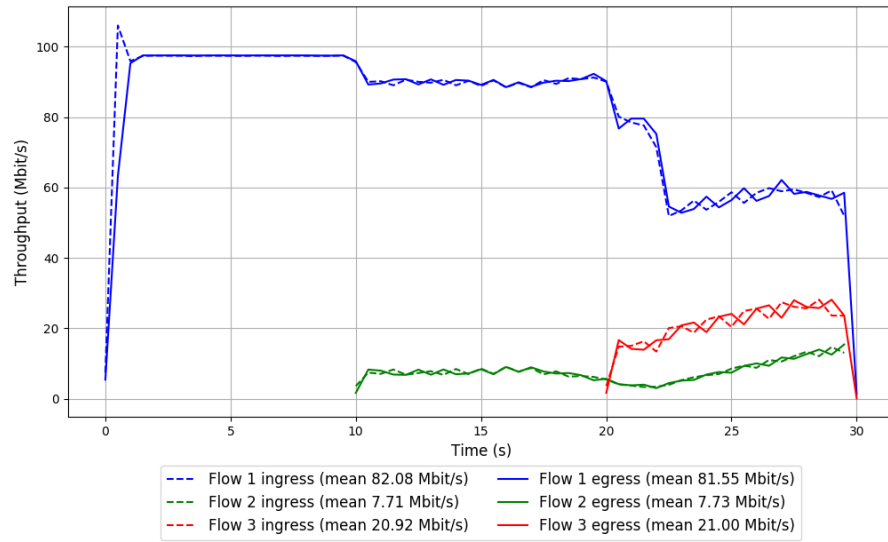


Run 7: Statistics of TCP Vegas

Start at: 2017-08-11 11:15:16  
End at: 2017-08-11 11:15:46  
Local clock offset: 0.442 ms  
Remote clock offset: -1.945 ms

# Below is generated by plot.py at 2017-08-11 13:27:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.64 Mbit/s  
95th percentile per-packet one-way delay: 80.902 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 81.55 Mbit/s  
95th percentile per-packet one-way delay: 80.898 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 7.73 Mbit/s  
95th percentile per-packet one-way delay: 79.949 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 21.00 Mbit/s  
95th percentile per-packet one-way delay: 81.894 ms  
Loss rate: 0.01%

# Run 7: Report of TCP Vegas — Data Link



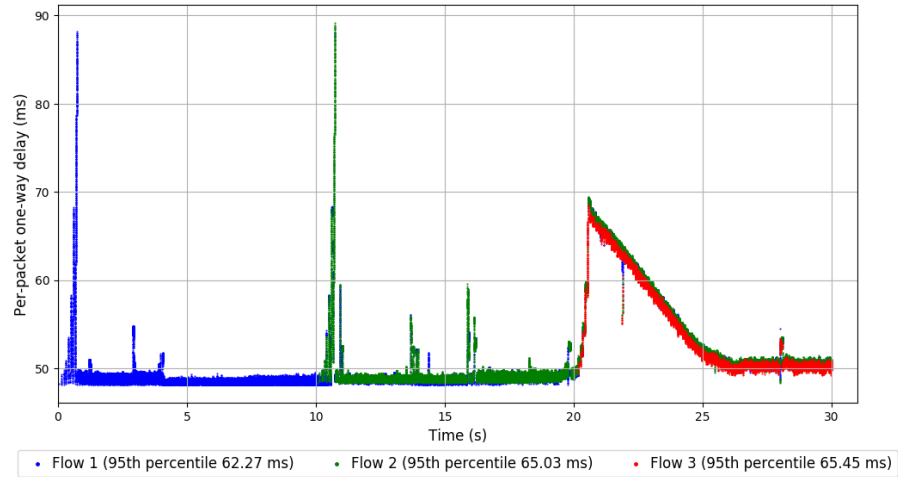
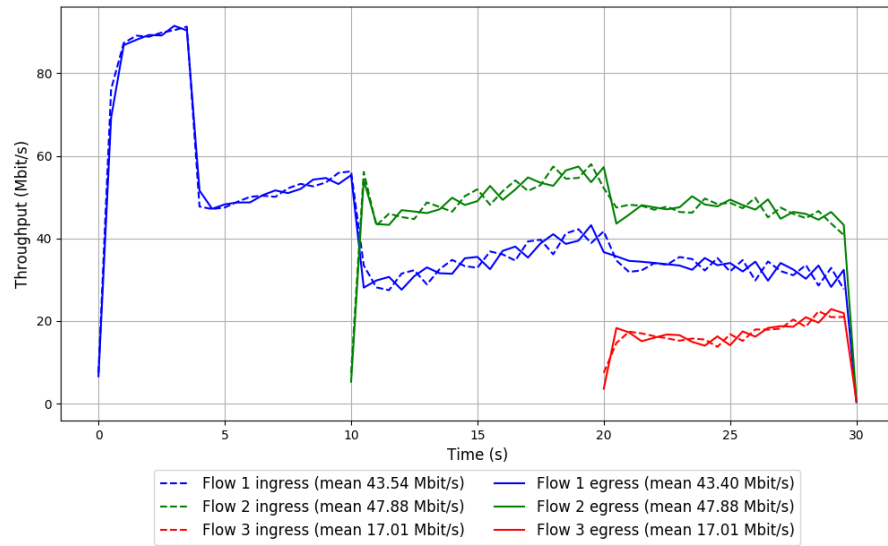
Run 8: Statistics of TCP Vegas

Start at: 2017-08-11 11:36:19  
End at: 2017-08-11 11:36:49  
Local clock offset: 0.501 ms  
Remote clock offset: -3.737 ms

# Below is generated by plot.py at 2017-08-11 13:27:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.93 Mbit/s  
95th percentile per-packet one-way delay: 64.167 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 43.40 Mbit/s  
95th percentile per-packet one-way delay: 62.266 ms  
Loss rate: 0.32%  
-- Flow 2:  
Average throughput: 47.88 Mbit/s  
95th percentile per-packet one-way delay: 65.029 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 17.01 Mbit/s  
95th percentile per-packet one-way delay: 65.447 ms  
Loss rate: 0.01%



# Run 8: Report of TCP Vegas — Data Link

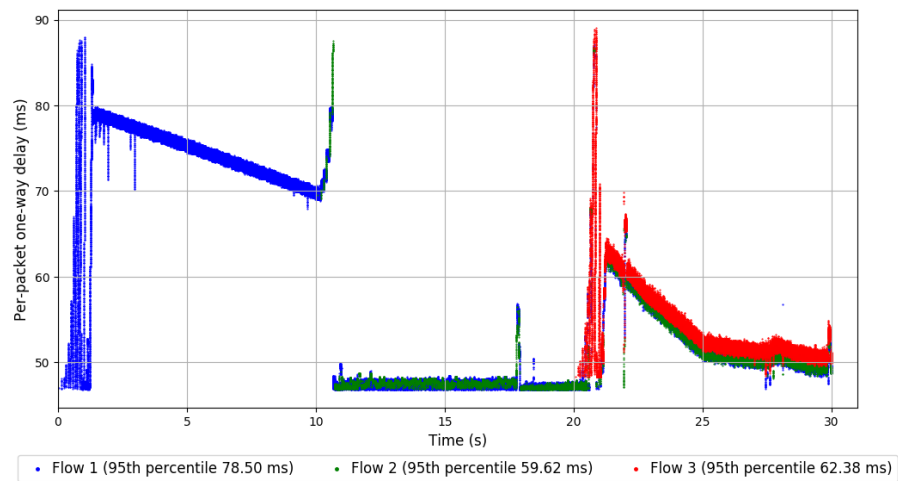
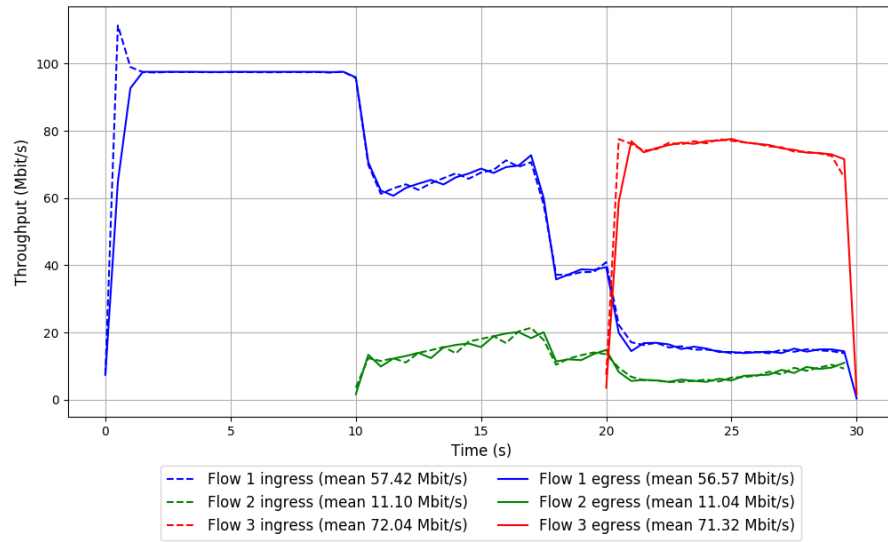


Run 9: Statistics of TCP Vegas

Start at: 2017-08-11 11:57:20  
End at: 2017-08-11 11:57:50  
Local clock offset: 0.521 ms  
Remote clock offset: -3.044 ms

# Below is generated by plot.py at 2017-08-11 13:27:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.56 Mbit/s  
95th percentile per-packet one-way delay: 78.075 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 56.57 Mbit/s  
95th percentile per-packet one-way delay: 78.502 ms  
Loss rate: 1.50%  
-- Flow 2:  
Average throughput: 11.04 Mbit/s  
95th percentile per-packet one-way delay: 59.616 ms  
Loss rate: 0.66%  
-- Flow 3:  
Average throughput: 71.32 Mbit/s  
95th percentile per-packet one-way delay: 62.376 ms  
Loss rate: 0.97%

# Run 9: Report of TCP Vegas — Data Link

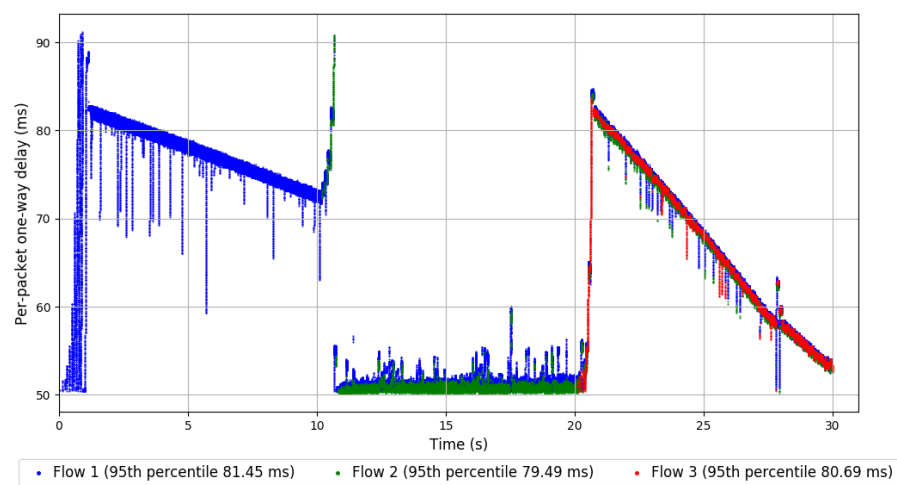
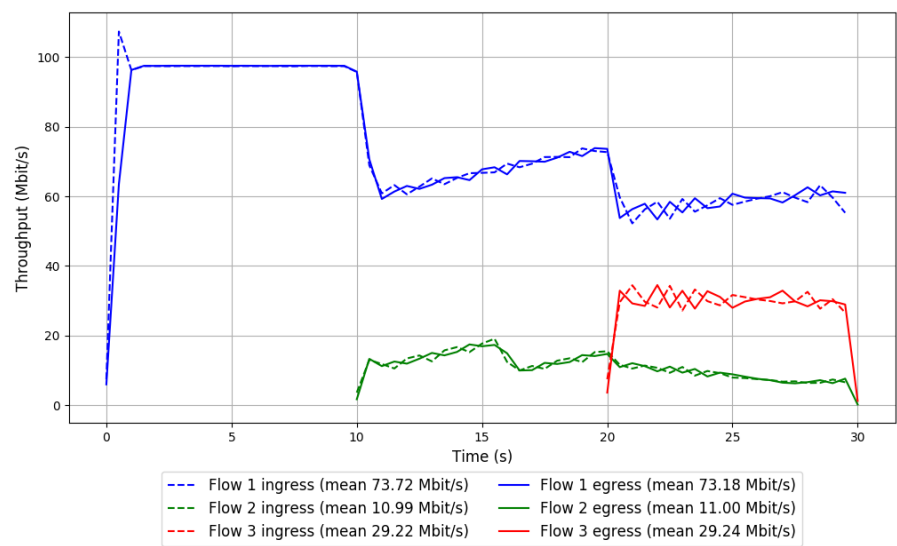


Run 10: Statistics of TCP Vegas

Start at: 2017-08-11 12:18:27  
End at: 2017-08-11 12:18:57  
Local clock offset: 0.597 ms  
Remote clock offset: -0.524 ms

# Below is generated by plot.py at 2017-08-11 13:28:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.15 Mbit/s  
95th percentile per-packet one-way delay: 81.269 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 73.18 Mbit/s  
95th percentile per-packet one-way delay: 81.455 ms  
Loss rate: 0.84%  
-- Flow 2:  
Average throughput: 11.00 Mbit/s  
95th percentile per-packet one-way delay: 79.488 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 29.24 Mbit/s  
95th percentile per-packet one-way delay: 80.695 ms  
Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-08-11 09:15:16

End at: 2017-08-11 09:15:46

Local clock offset: 0.07 ms

Remote clock offset: 0.339 ms

# Below is generated by plot.py at 2017-08-11 13:28:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.78 Mbit/s

95th percentile per-packet one-way delay: 87.302 ms

Loss rate: 37.96%

-- Flow 1:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 86.939 ms

Loss rate: 34.03%

-- Flow 2:

Average throughput: 36.10 Mbit/s

95th percentile per-packet one-way delay: 87.696 ms

Loss rate: 41.94%

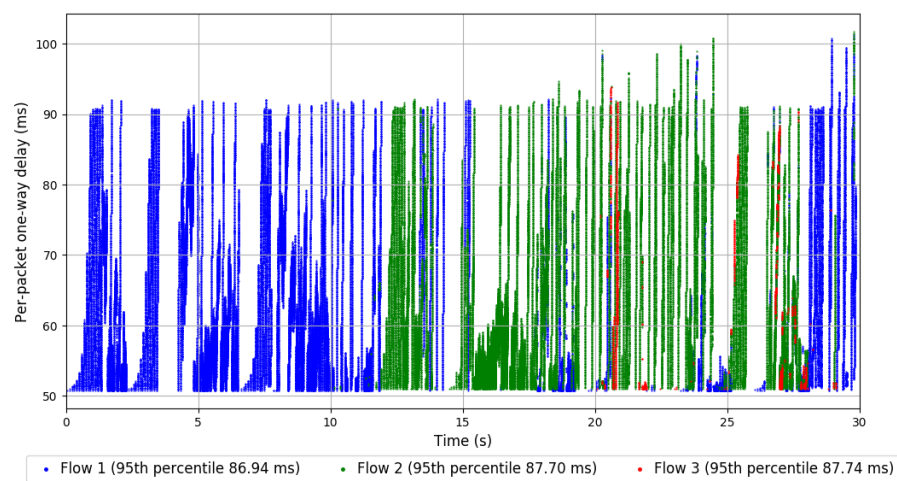
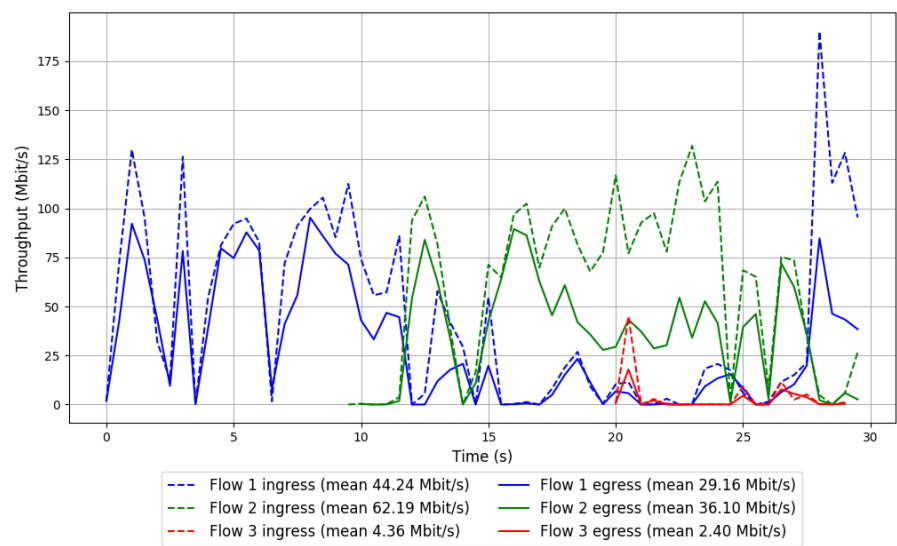
-- Flow 3:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 87.741 ms

Loss rate: 45.51%

Run 1: Report of Verus — Data Link



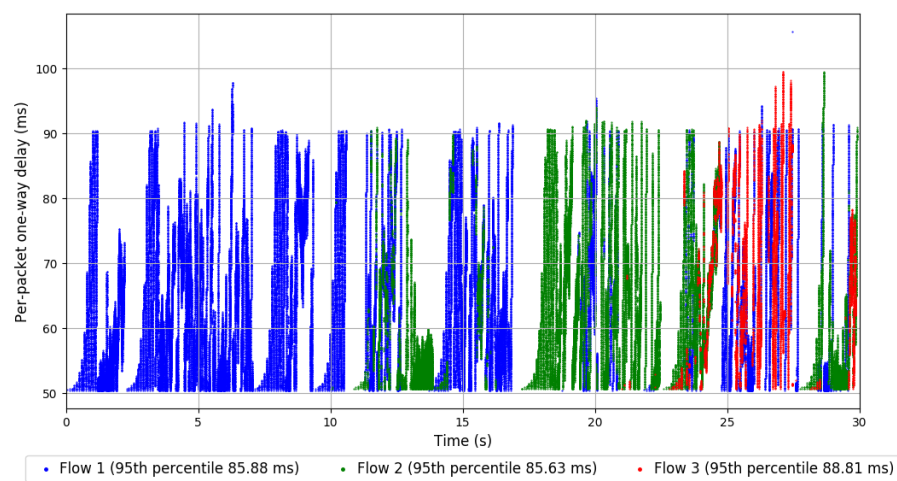
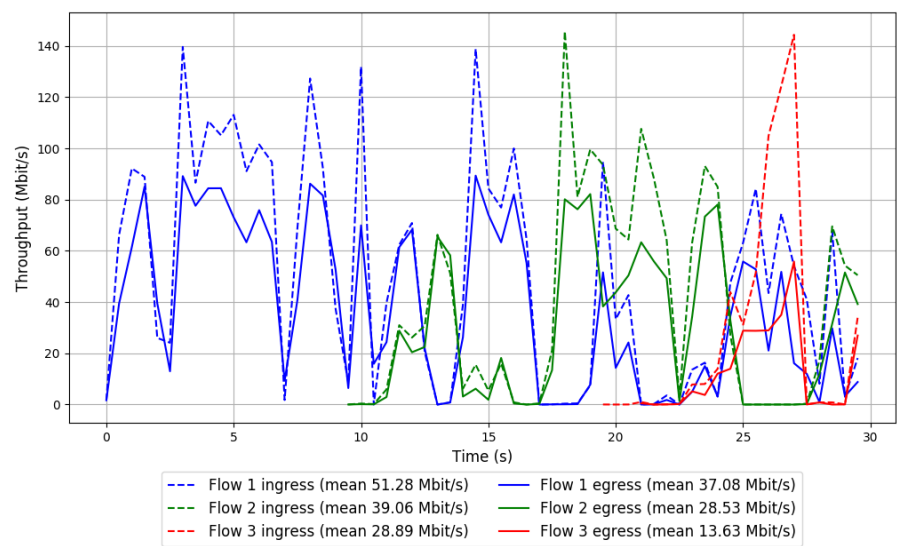
Run 2: Statistics of Verus

Start at: 2017-08-11 09:36:14  
End at: 2017-08-11 09:36:44  
Local clock offset: 0.095 ms  
Remote clock offset: -0.514 ms

# Below is generated by plot.py at 2017-08-11 13:28:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 59.76 Mbit/s  
95th percentile per-packet one-way delay: 86.099 ms  
Loss rate: 30.69%  
-- Flow 1:  
Average throughput: 37.08 Mbit/s  
95th percentile per-packet one-way delay: 85.881 ms  
Loss rate: 27.62%  
-- Flow 2:  
Average throughput: 28.53 Mbit/s  
95th percentile per-packet one-way delay: 85.633 ms  
Loss rate: 26.88%  
-- Flow 3:  
Average throughput: 13.63 Mbit/s  
95th percentile per-packet one-way delay: 88.808 ms  
Loss rate: 57.52%



Run 2: Report of Verus — Data Link

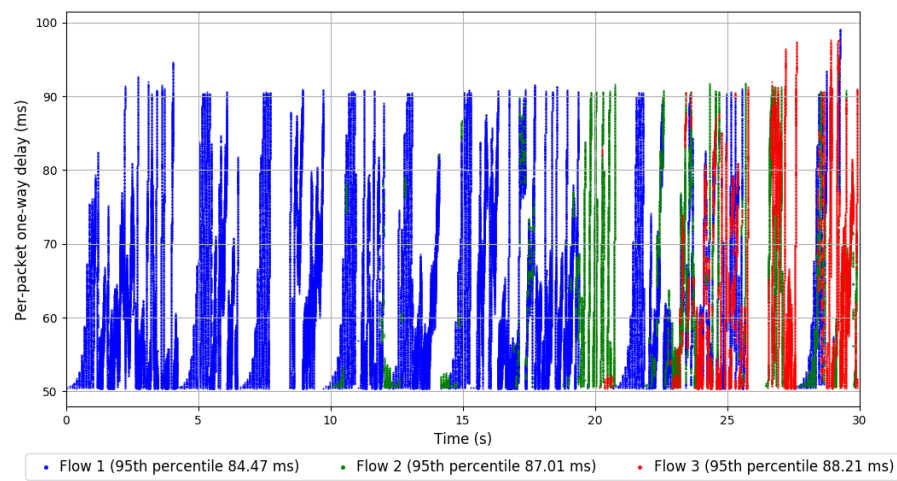
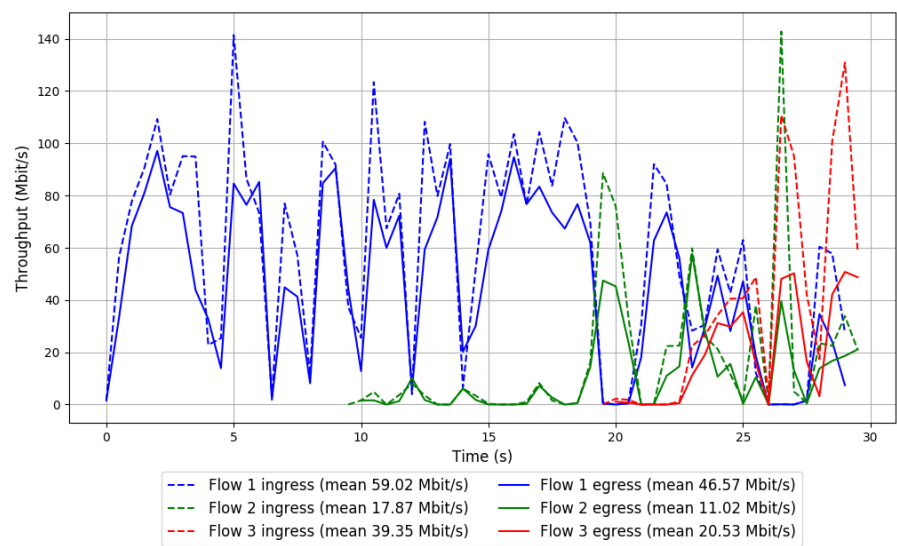


Run 3: Statistics of Verus

Start at: 2017-08-11 09:57:10  
End at: 2017-08-11 09:57:40  
Local clock offset: 0.121 ms  
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2017-08-11 13:28:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 59.63 Mbit/s  
95th percentile per-packet one-way delay: 85.493 ms  
Loss rate: 27.76%  
-- Flow 1:  
Average throughput: 46.57 Mbit/s  
95th percentile per-packet one-way delay: 84.474 ms  
Loss rate: 21.01%  
-- Flow 2:  
Average throughput: 11.02 Mbit/s  
95th percentile per-packet one-way delay: 87.012 ms  
Loss rate: 38.39%  
-- Flow 3:  
Average throughput: 20.53 Mbit/s  
95th percentile per-packet one-way delay: 88.206 ms  
Loss rate: 47.95%

Run 3: Report of Verus — Data Link

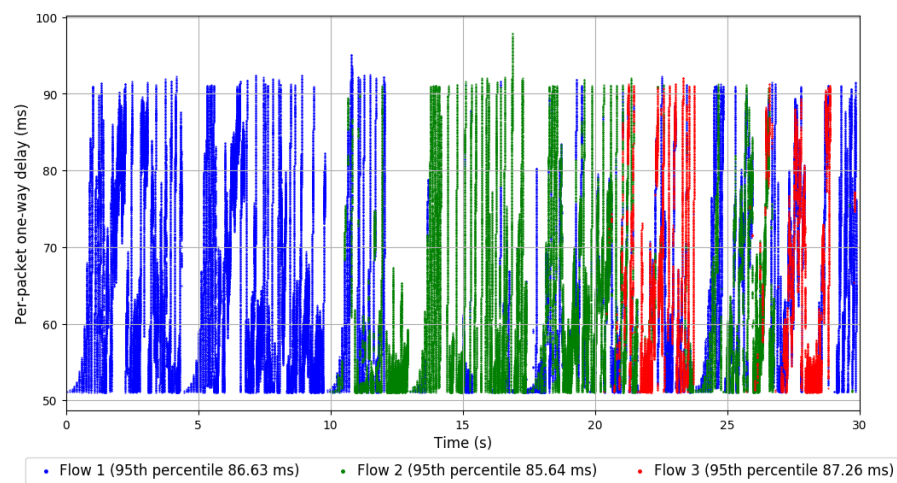
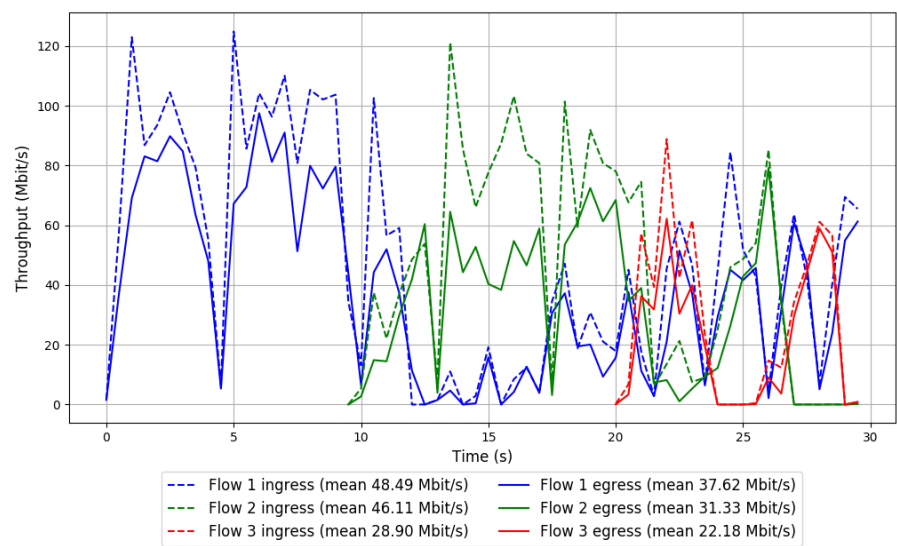


Run 4: Statistics of Verus

Start at: 2017-08-11 10:18:08  
End at: 2017-08-11 10:18:38  
Local clock offset: 0.167 ms  
Remote clock offset: -0.948 ms

# Below is generated by plot.py at 2017-08-11 13:28:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.40 Mbit/s  
95th percentile per-packet one-way delay: 86.504 ms  
Loss rate: 25.90%  
-- Flow 1:  
Average throughput: 37.62 Mbit/s  
95th percentile per-packet one-way delay: 86.629 ms  
Loss rate: 22.35%  
-- Flow 2:  
Average throughput: 31.33 Mbit/s  
95th percentile per-packet one-way delay: 85.636 ms  
Loss rate: 32.37%  
-- Flow 3:  
Average throughput: 22.18 Mbit/s  
95th percentile per-packet one-way delay: 87.260 ms  
Loss rate: 23.04%

Run 4: Report of Verus — Data Link

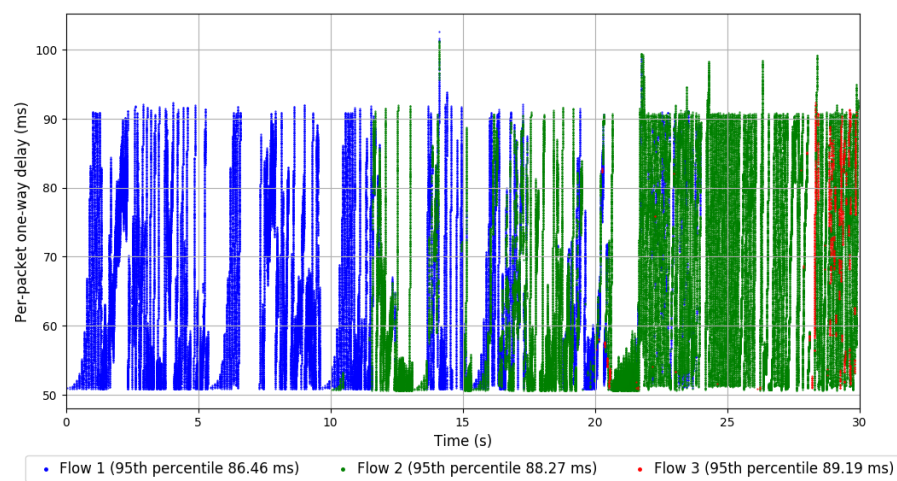
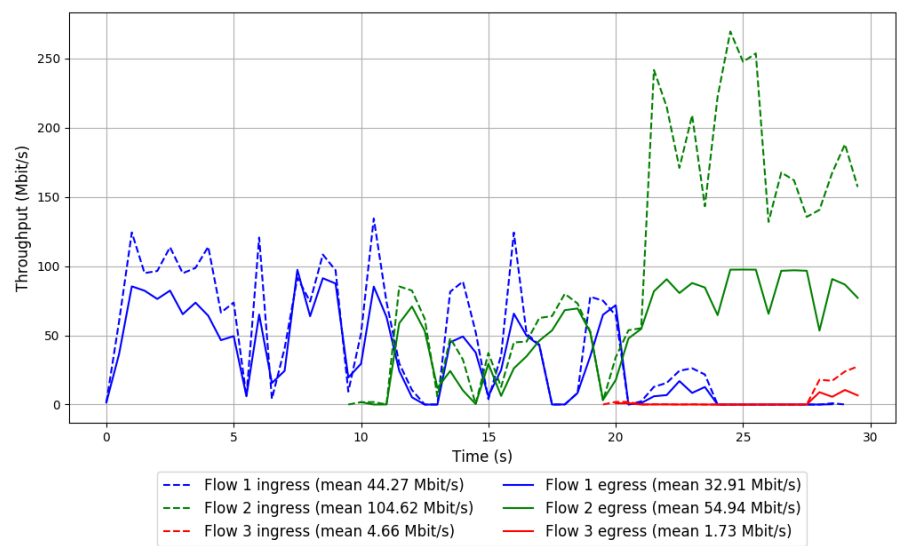


Run 5: Statistics of Verus

Start at: 2017-08-11 10:39:07  
End at: 2017-08-11 10:39:37  
Local clock offset: 0.385 ms  
Remote clock offset: -1.271 ms

# Below is generated by plot.py at 2017-08-11 13:28:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.86 Mbit/s  
95th percentile per-packet one-way delay: 87.595 ms  
Loss rate: 39.97%  
-- Flow 1:  
Average throughput: 32.91 Mbit/s  
95th percentile per-packet one-way delay: 86.456 ms  
Loss rate: 27.19%  
-- Flow 2:  
Average throughput: 54.94 Mbit/s  
95th percentile per-packet one-way delay: 88.270 ms  
Loss rate: 47.45%  
-- Flow 3:  
Average throughput: 1.73 Mbit/s  
95th percentile per-packet one-way delay: 89.186 ms  
Loss rate: 62.83%

Run 5: Report of Verus — Data Link



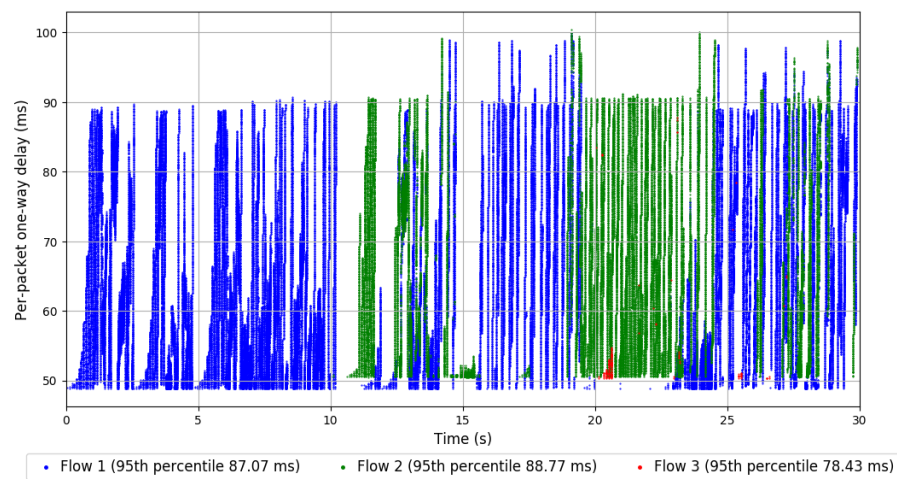
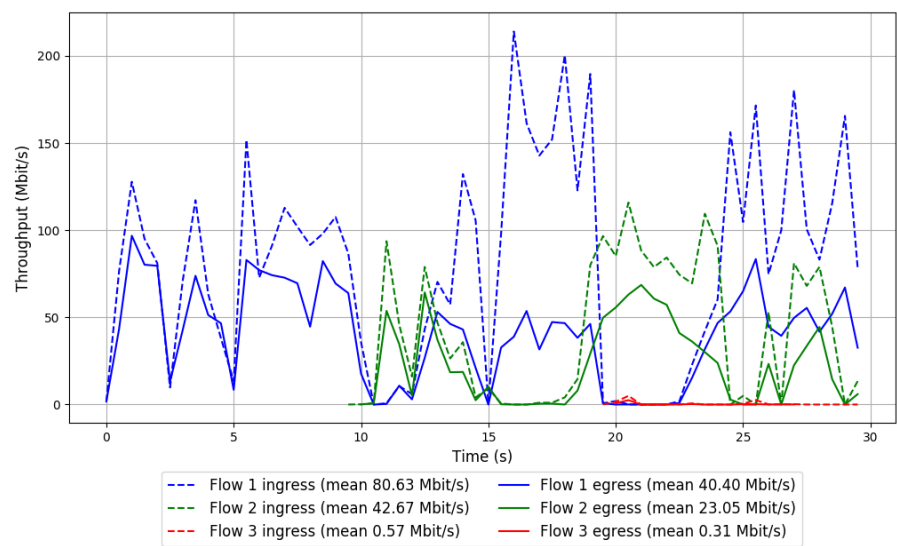
Run 6: Statistics of Verus

Start at: 2017-08-11 11:00:05  
End at: 2017-08-11 11:00:35  
Local clock offset: 0.315 ms  
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2017-08-11 13:28:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 55.84 Mbit/s  
95th percentile per-packet one-way delay: 87.550 ms  
Loss rate: 48.87%  
-- Flow 1:  
Average throughput: 40.40 Mbit/s  
95th percentile per-packet one-way delay: 87.074 ms  
Loss rate: 49.88%  
-- Flow 2:  
Average throughput: 23.05 Mbit/s  
95th percentile per-packet one-way delay: 88.773 ms  
Loss rate: 45.93%  
-- Flow 3:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 78.431 ms  
Loss rate: 60.84%



Run 6: Report of Verus — Data Link

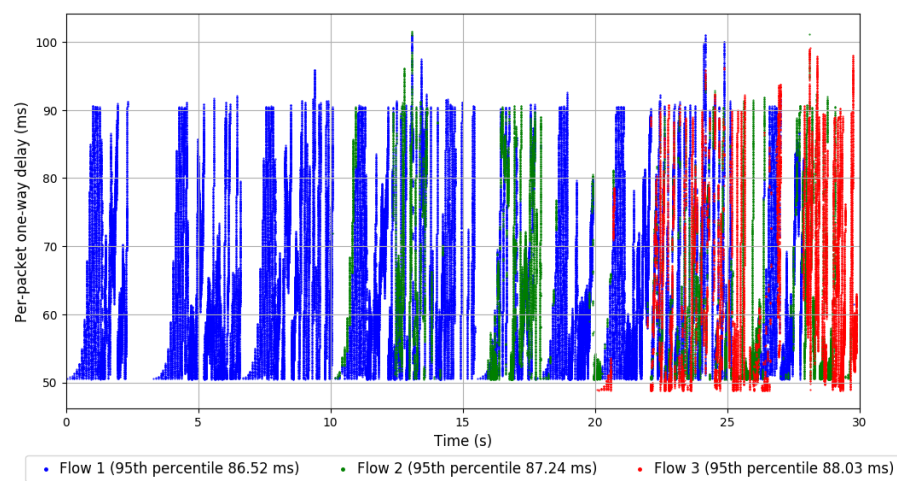
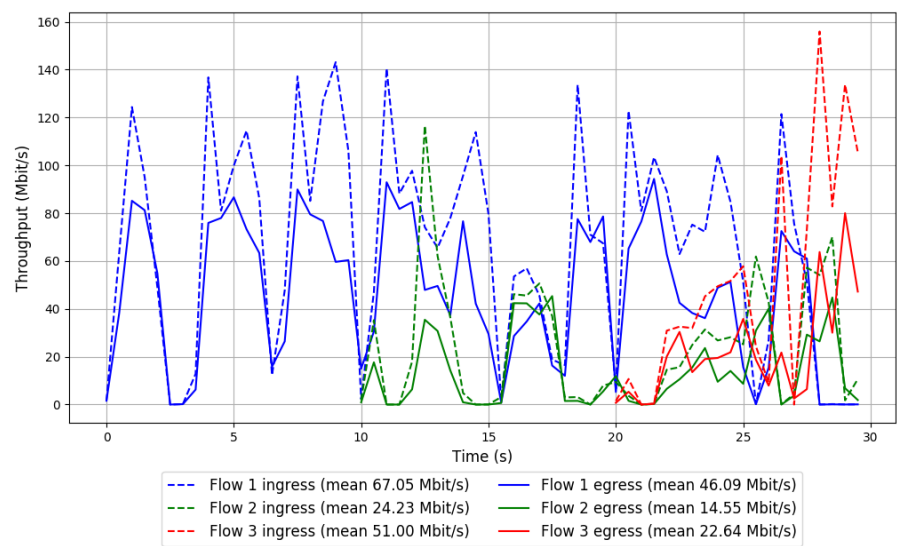


Run 7: Statistics of Verus

Start at: 2017-08-11 11:21:05  
End at: 2017-08-11 11:21:35  
Local clock offset: 0.371 ms  
Remote clock offset: -1.837 ms

# Below is generated by plot.py at 2017-08-11 13:28:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 63.06 Mbit/s  
95th percentile per-packet one-way delay: 86.852 ms  
Loss rate: 36.79%  
-- Flow 1:  
Average throughput: 46.09 Mbit/s  
95th percentile per-packet one-way delay: 86.518 ms  
Loss rate: 31.24%  
-- Flow 2:  
Average throughput: 14.55 Mbit/s  
95th percentile per-packet one-way delay: 87.238 ms  
Loss rate: 40.36%  
-- Flow 3:  
Average throughput: 22.64 Mbit/s  
95th percentile per-packet one-way delay: 88.028 ms  
Loss rate: 55.55%

Run 7: Report of Verus — Data Link

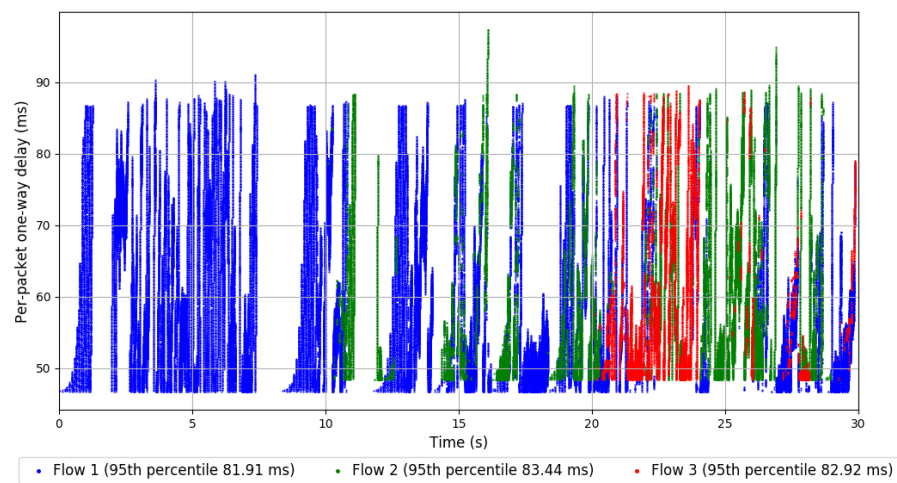
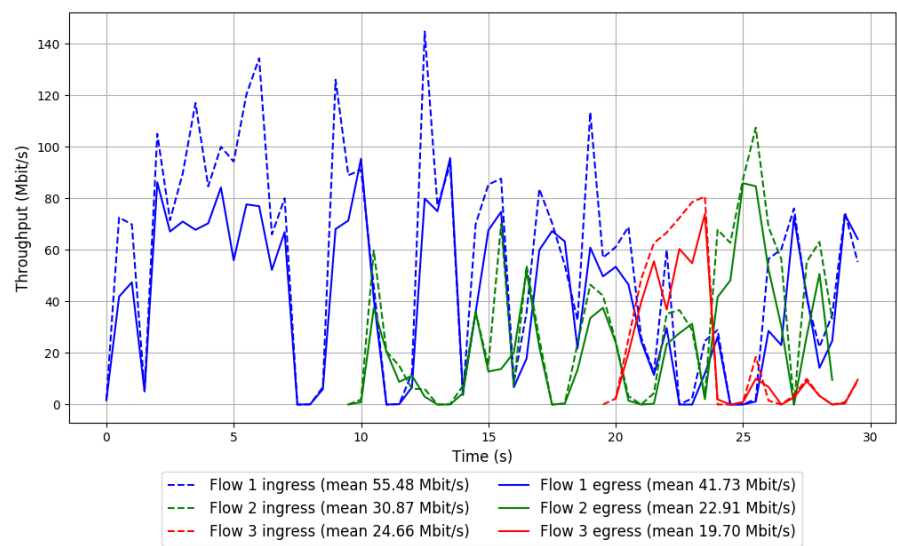


Run 8: Statistics of Verus

Start at: 2017-08-11 11:42:07  
End at: 2017-08-11 11:42:37  
Local clock offset: 0.538 ms  
Remote clock offset: -3.603 ms

# Below is generated by plot.py at 2017-08-11 13:28:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.79 Mbit/s  
95th percentile per-packet one-way delay: 82.431 ms  
Loss rate: 24.57%  
-- Flow 1:  
Average throughput: 41.73 Mbit/s  
95th percentile per-packet one-way delay: 81.905 ms  
Loss rate: 24.70%  
-- Flow 2:  
Average throughput: 22.91 Mbit/s  
95th percentile per-packet one-way delay: 83.440 ms  
Loss rate: 26.12%  
-- Flow 3:  
Average throughput: 19.70 Mbit/s  
95th percentile per-packet one-way delay: 82.925 ms  
Loss rate: 19.97%

Run 8: Report of Verus — Data Link

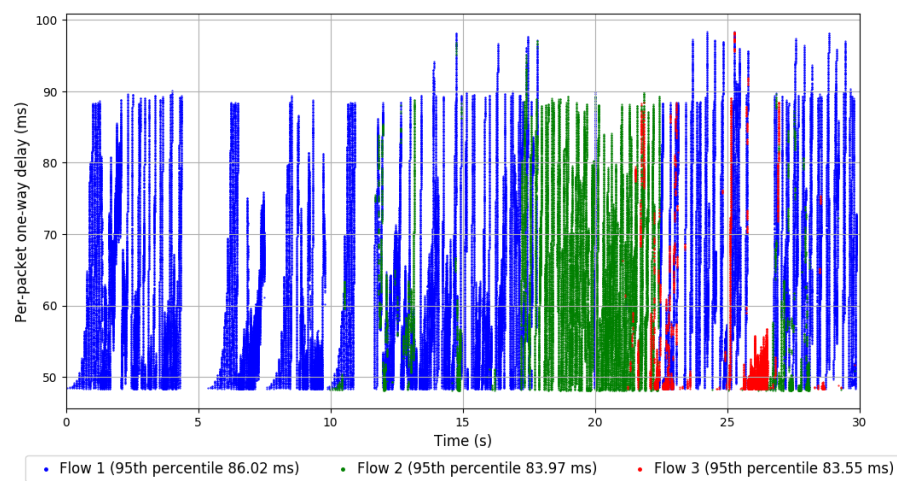
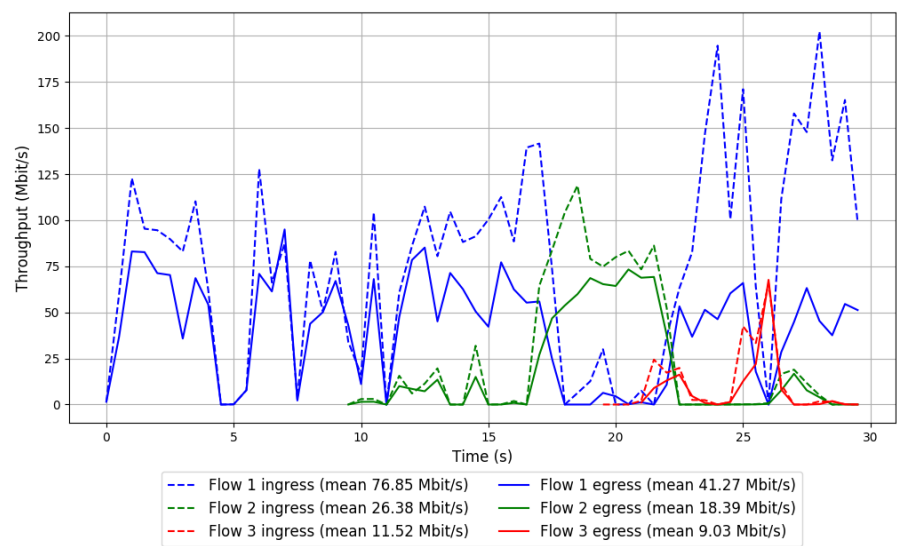


Run 9: Statistics of Verus

Start at: 2017-08-11 12:03:07  
End at: 2017-08-11 12:03:37  
Local clock offset: 0.623 ms  
Remote clock offset: -2.904 ms

# Below is generated by plot.py at 2017-08-11 13:28:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 56.15 Mbit/s  
95th percentile per-packet one-way delay: 85.478 ms  
Loss rate: 42.77%  
-- Flow 1:  
Average throughput: 41.27 Mbit/s  
95th percentile per-packet one-way delay: 86.018 ms  
Loss rate: 46.26%  
-- Flow 2:  
Average throughput: 18.39 Mbit/s  
95th percentile per-packet one-way delay: 83.967 ms  
Loss rate: 30.29%  
-- Flow 3:  
Average throughput: 9.03 Mbit/s  
95th percentile per-packet one-way delay: 83.546 ms  
Loss rate: 29.73%

Run 9: Report of Verus — Data Link



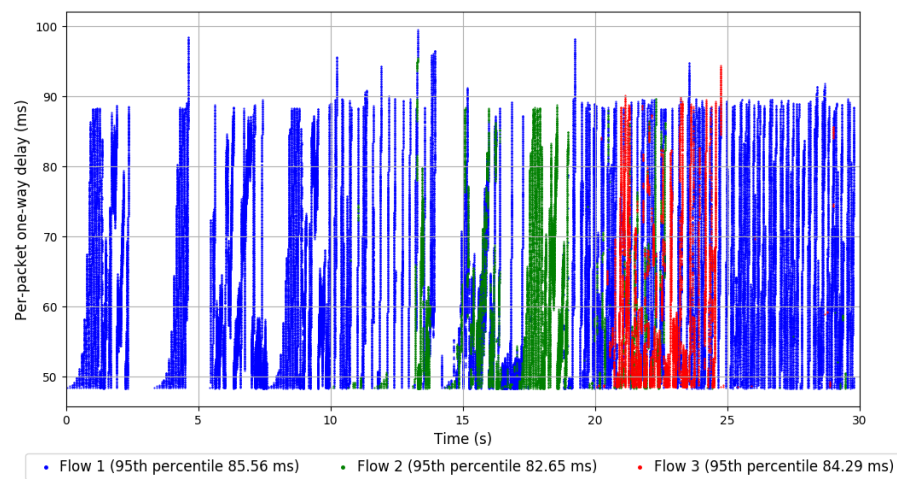
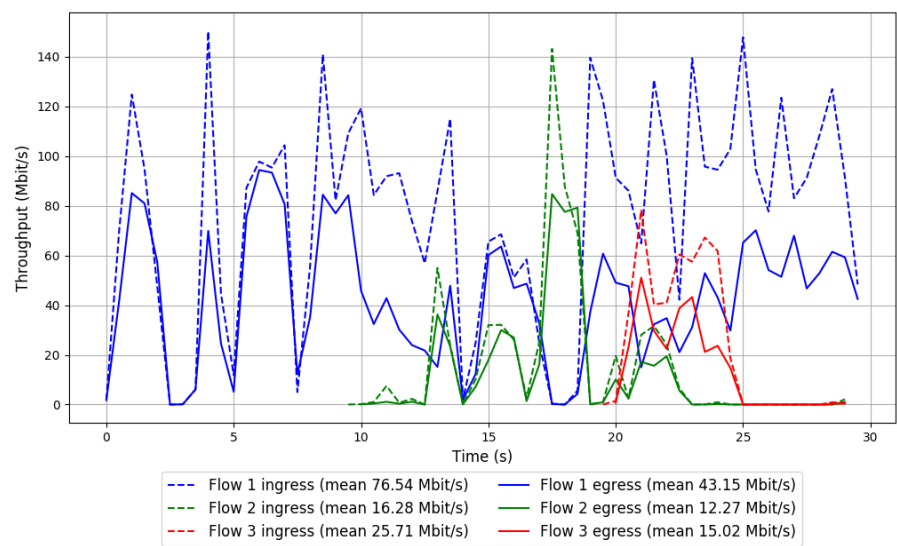
Run 10: Statistics of Verus

Start at: 2017-08-11 12:24:16  
End at: 2017-08-11 12:24:46  
Local clock offset: 0.559 ms  
Remote clock offset: -2.303 ms

# Below is generated by plot.py at 2017-08-11 13:28:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 55.69 Mbit/s  
95th percentile per-packet one-way delay: 85.222 ms  
Loss rate: 41.41%  
-- Flow 1:  
Average throughput: 43.15 Mbit/s  
95th percentile per-packet one-way delay: 85.555 ms  
Loss rate: 43.62%  
-- Flow 2:  
Average throughput: 12.27 Mbit/s  
95th percentile per-packet one-way delay: 82.653 ms  
Loss rate: 24.98%  
-- Flow 3:  
Average throughput: 15.02 Mbit/s  
95th percentile per-packet one-way delay: 84.286 ms  
Loss rate: 42.13%



Run 10: Report of Verus — Data Link

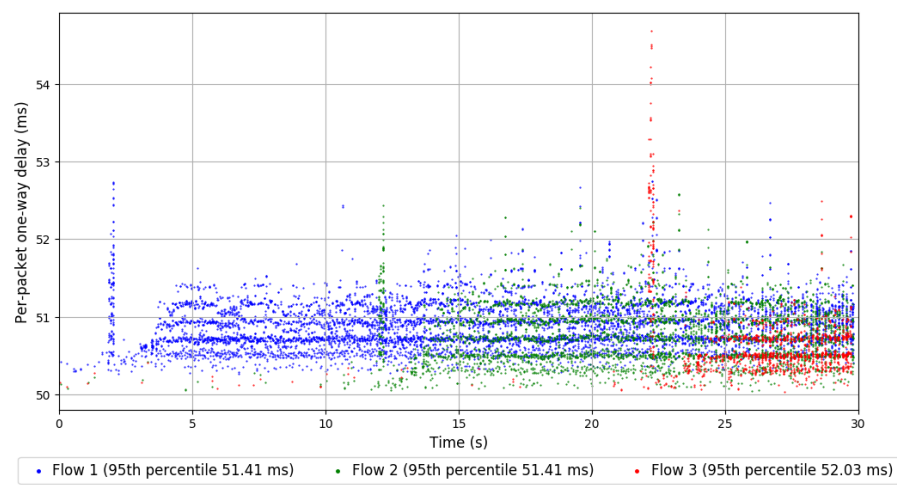
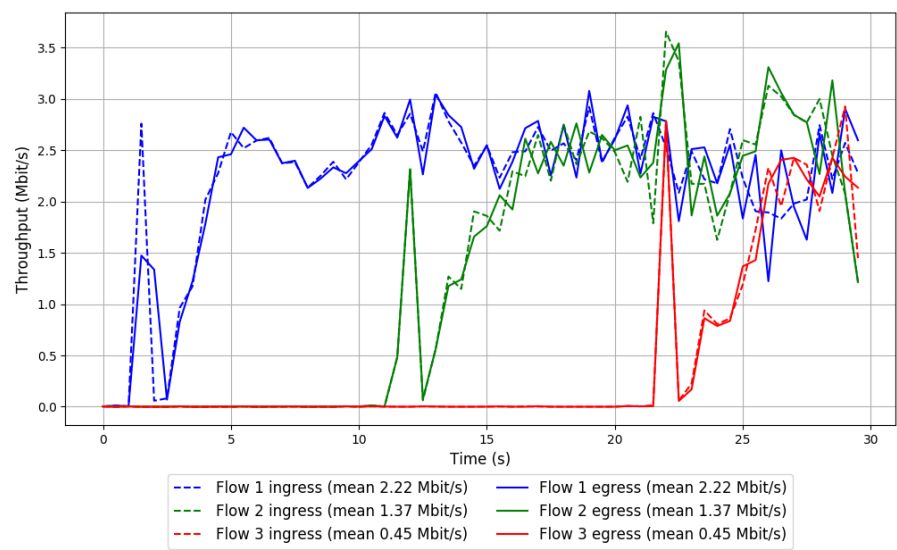


Run 1: Statistics of WebRTC media

Start at: 2017-08-11 09:16:41  
End at: 2017-08-11 09:17:11  
Local clock offset: 0.042 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2017-08-11 13:28:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 51.416 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.22 Mbit/s  
95th percentile per-packet one-way delay: 51.405 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.37 Mbit/s  
95th percentile per-packet one-way delay: 51.414 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 52.032 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

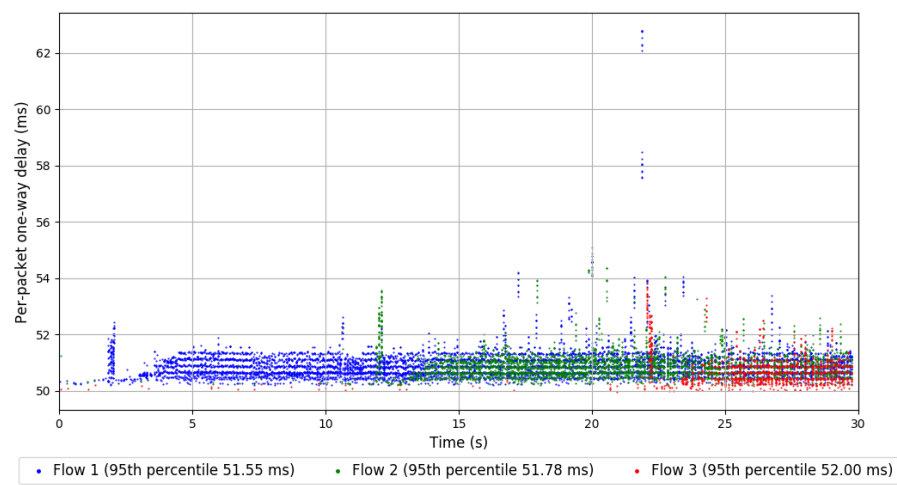
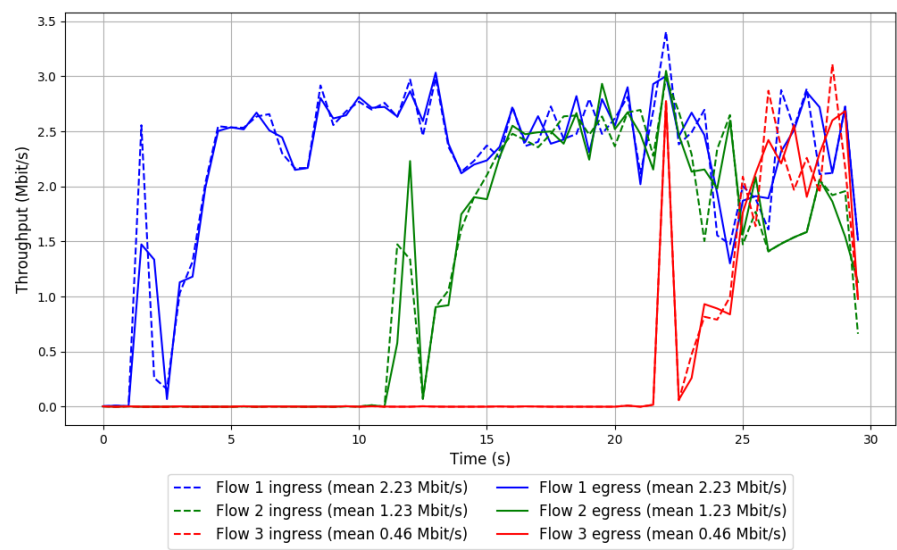


Run 2: Statistics of WebRTC media

Start at: 2017-08-11 09:37:39  
End at: 2017-08-11 09:38:09  
Local clock offset: 0.148 ms  
Remote clock offset: -0.734 ms

# Below is generated by plot.py at 2017-08-11 13:28:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.93 Mbit/s  
95th percentile per-packet one-way delay: 51.678 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 51.549 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.23 Mbit/s  
95th percentile per-packet one-way delay: 51.784 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 51.999 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-08-11 09:58:34

End at: 2017-08-11 09:59:04

Local clock offset: 0.118 ms

Remote clock offset: -3.15 ms

# Below is generated by plot.py at 2017-08-11 13:28:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 49.420 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 49.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 49.222 ms

Loss rate: 0.00%

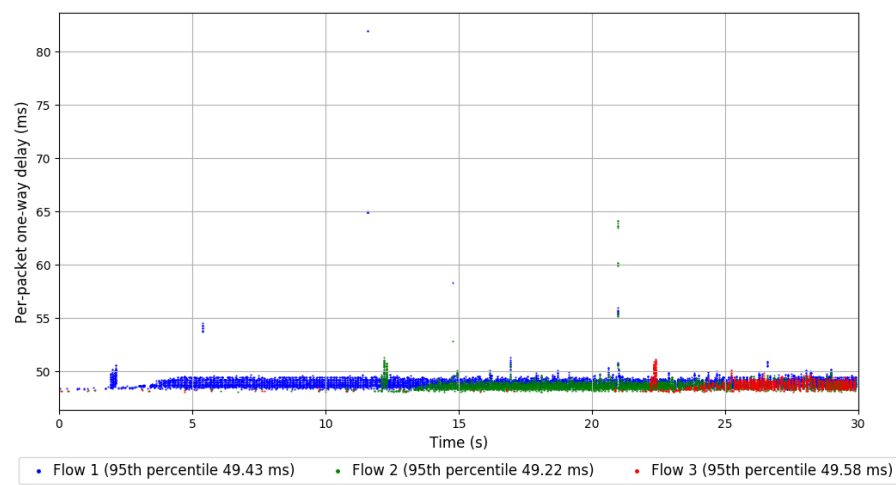
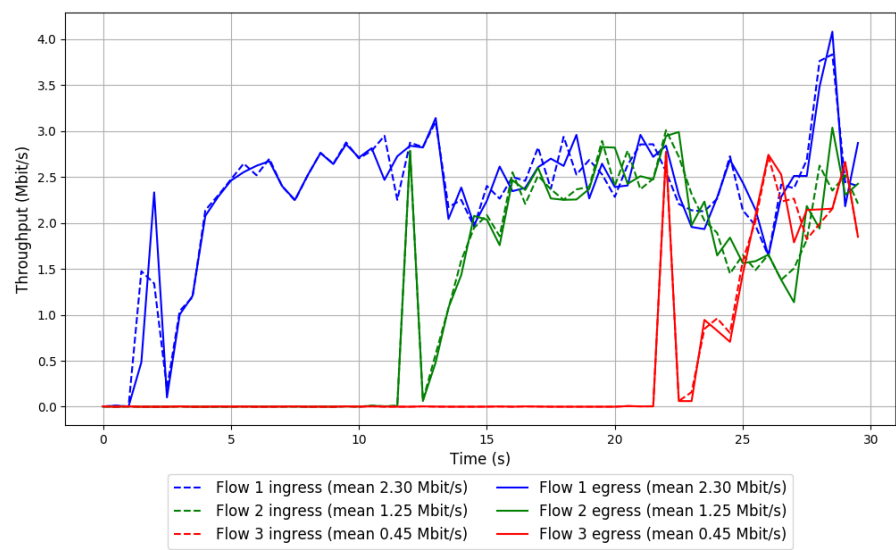
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 49.579 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-08-11 10:19:33

End at: 2017-08-11 10:20:03

Local clock offset: 0.195 ms

Remote clock offset: -3.57 ms

# Below is generated by plot.py at 2017-08-11 13:28:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 49.359 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 49.189 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 49.215 ms

Loss rate: 0.00%

-- Flow 3:

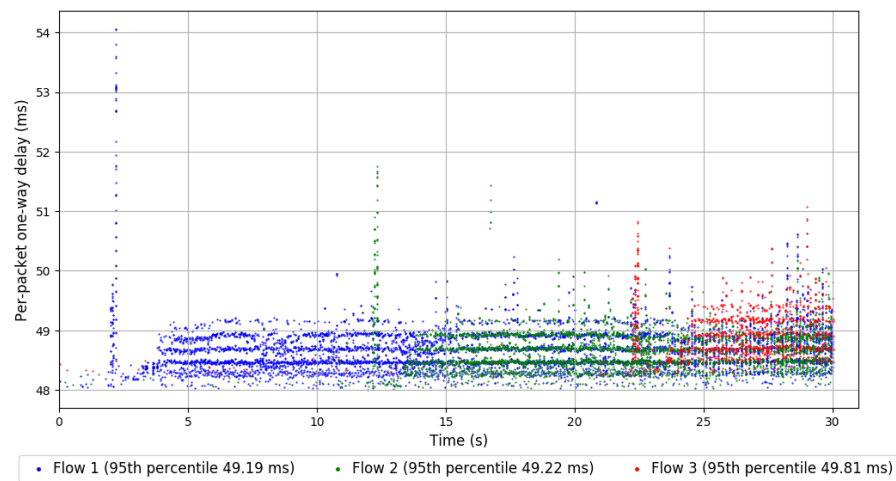
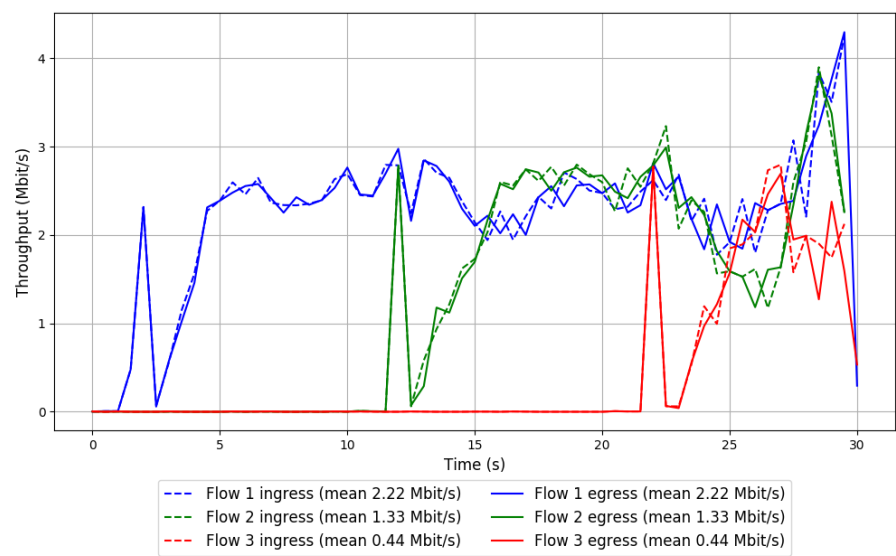
Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 49.813 ms

Loss rate: 0.00%



Run 4: Report of WebRTC media — Data Link

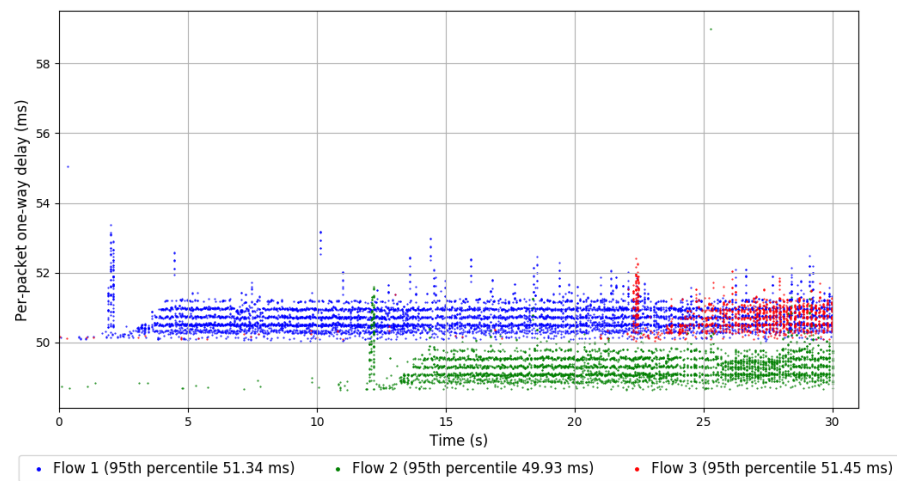
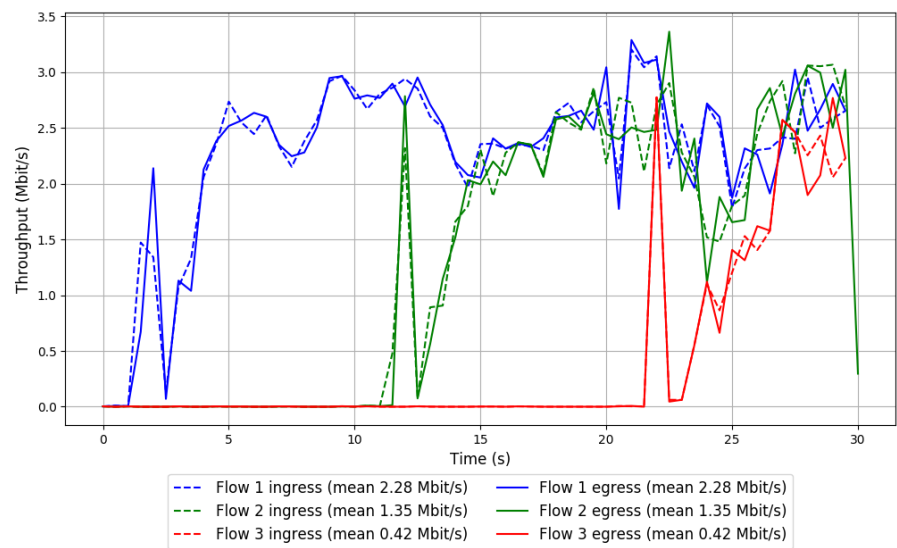


Run 5: Statistics of WebRTC media

Start at: 2017-08-11 10:40:33  
End at: 2017-08-11 10:41:03  
Local clock offset: 0.363 ms  
Remote clock offset: -1.635 ms

# Below is generated by plot.py at 2017-08-11 13:28:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 51.219 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 51.335 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.35 Mbit/s  
95th percentile per-packet one-way delay: 49.933 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 51.450 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

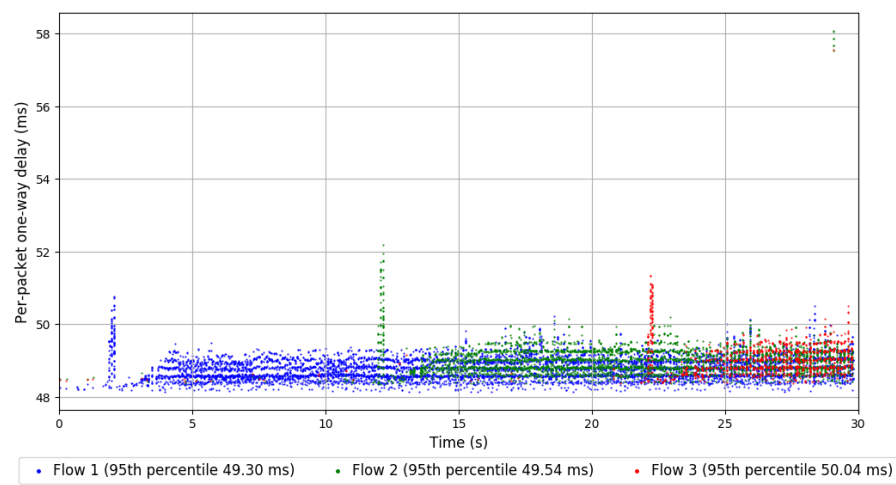
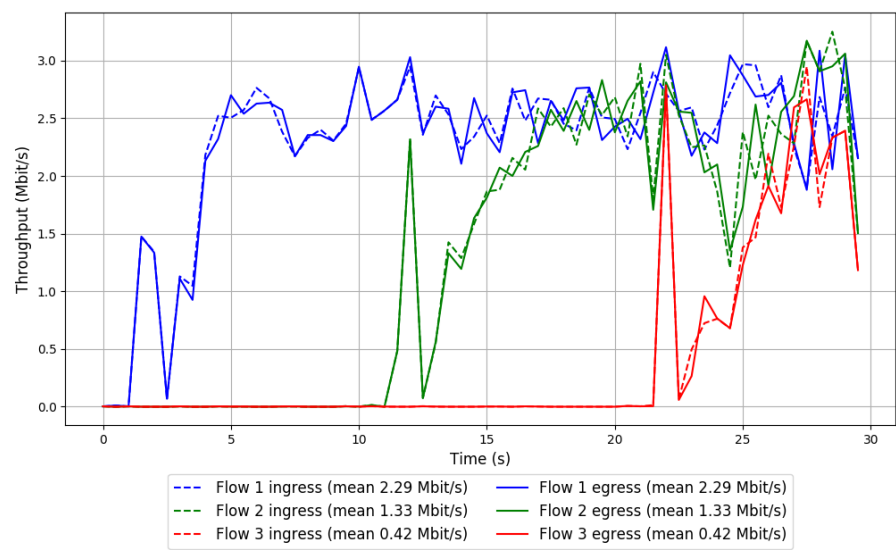


Run 6: Statistics of WebRTC media

Start at: 2017-08-11 11:01:30  
End at: 2017-08-11 11:02:00  
Local clock offset: 0.296 ms  
Remote clock offset: -3.884 ms

# Below is generated by plot.py at 2017-08-11 13:28:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 49.501 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 49.301 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.33 Mbit/s  
95th percentile per-packet one-way delay: 49.536 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 50.037 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

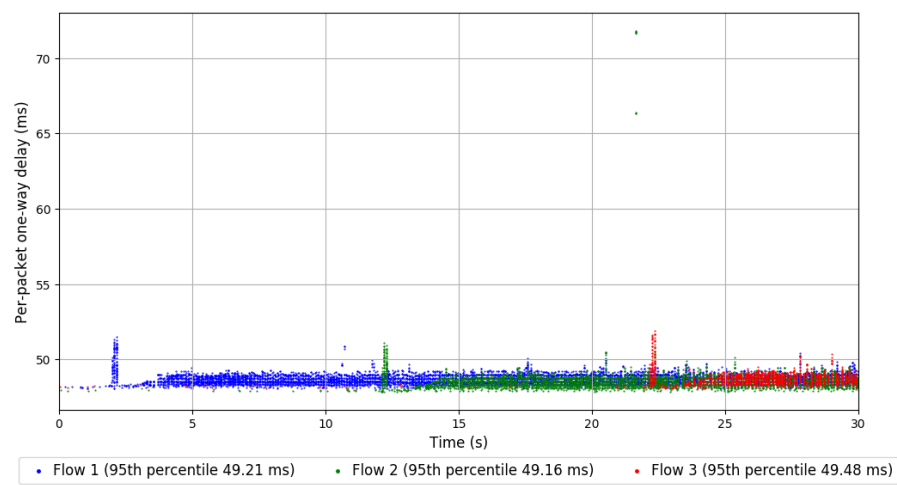
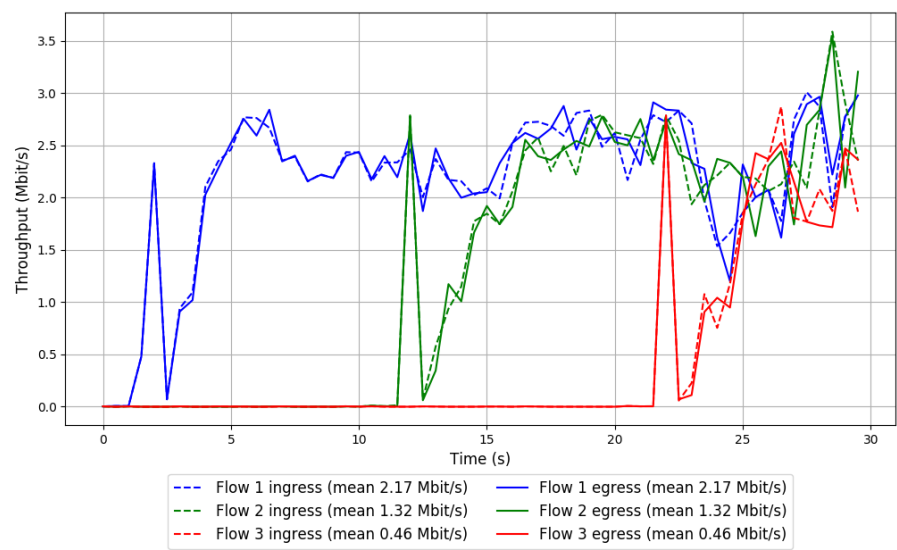


Run 7: Statistics of WebRTC media

Start at: 2017-08-11 11:22:31  
End at: 2017-08-11 11:23:01  
Local clock offset: 0.452 ms  
Remote clock offset: -3.958 ms

# Below is generated by plot.py at 2017-08-11 13:28:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.93 Mbit/s  
95th percentile per-packet one-way delay: 49.218 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 49.213 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 49.165 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 49.480 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



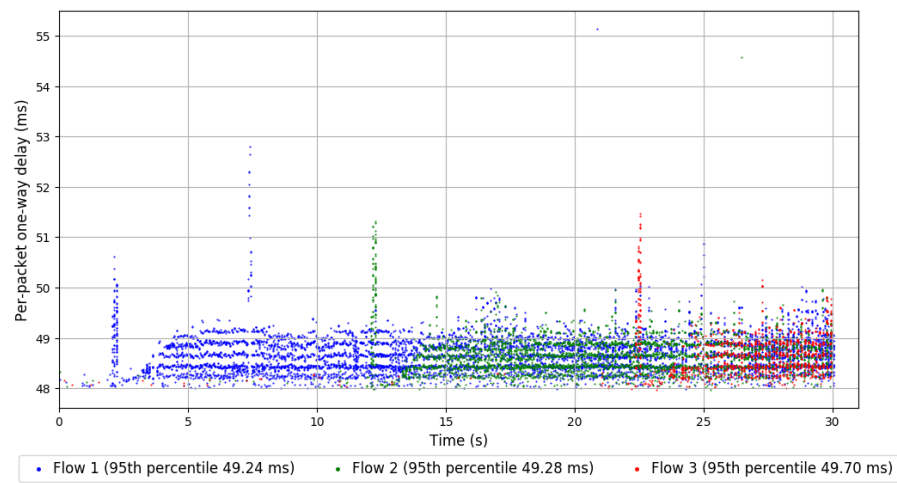
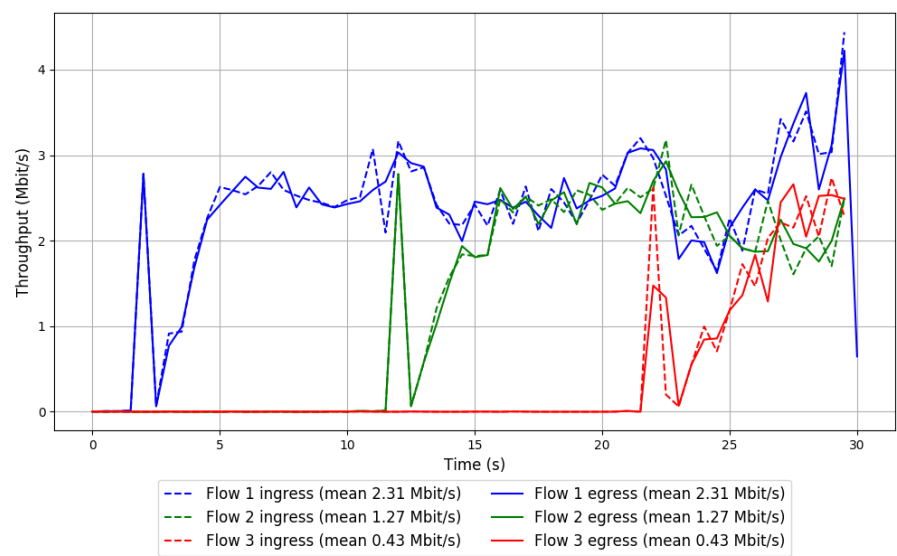
Run 8: Statistics of WebRTC media

Start at: 2017-08-11 11:43:33  
End at: 2017-08-11 11:44:03  
Local clock offset: 0.449 ms  
Remote clock offset: -3.568 ms

# Below is generated by plot.py at 2017-08-11 13:28:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.01 Mbit/s  
95th percentile per-packet one-way delay: 49.297 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 49.238 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 49.281 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 49.697 ms  
Loss rate: 0.00%



Run 8: Report of WebRTC media — Data Link

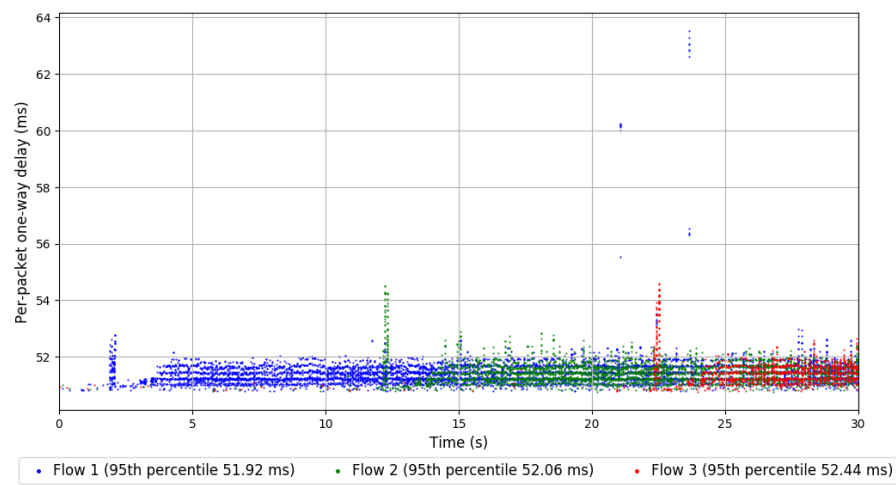
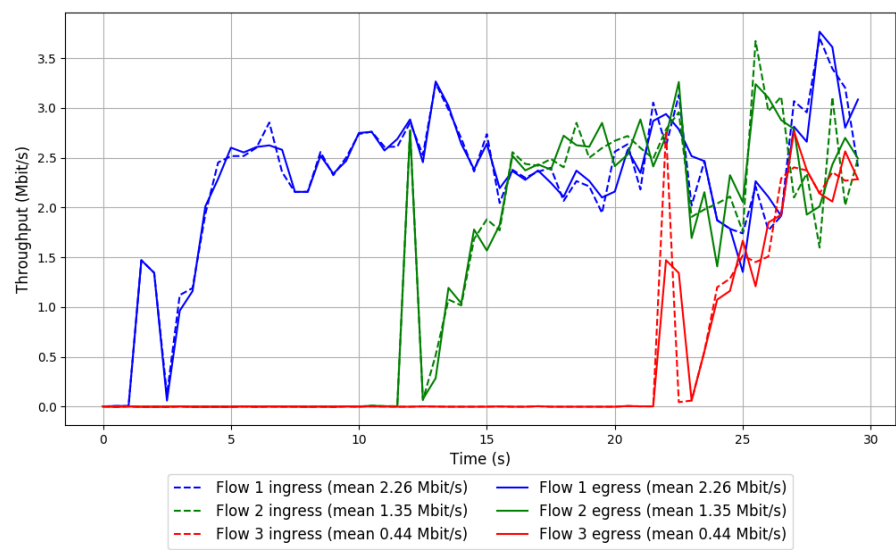


Run 9: Statistics of WebRTC media

Start at: 2017-08-11 12:04:32  
End at: 2017-08-11 12:05:02  
Local clock offset: 0.521 ms  
Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2017-08-11 13:28:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 51.966 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.26 Mbit/s  
95th percentile per-packet one-way delay: 51.917 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.35 Mbit/s  
95th percentile per-packet one-way delay: 52.063 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 52.437 ms  
Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-11 12:25:41  
End at: 2017-08-11 12:26:11  
Local clock offset: 0.512 ms  
Remote clock offset: -2.387 ms

# Below is generated by plot.py at 2017-08-11 13:28:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.91 Mbit/s  
95th percentile per-packet one-way delay: 49.385 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 49.390 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.35 Mbit/s  
95th percentile per-packet one-way delay: 49.200 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 49.651 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

