

**Pantheon Summary** (Generated at Sat, 29 Jul 2017 11:57:52 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)

Repeated the test of 15 congestion control schemes 10 times.

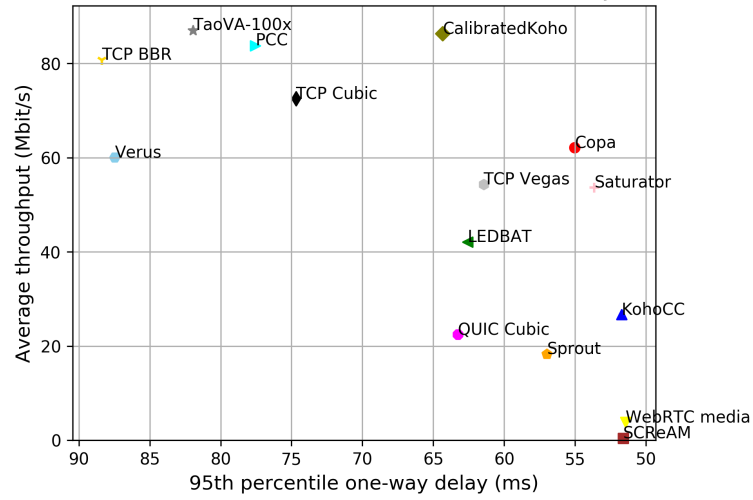
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

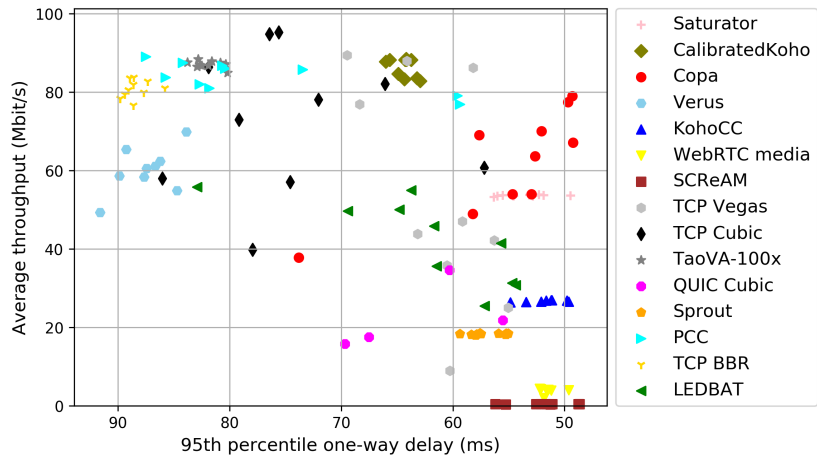
NTP offset measured against time.stanford.edu and has been applied to correct the timestamps in logs.

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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	58.23	19.27	32.14	88.55	87.78	86.47	27.39	31.89	29.52
CalibratedKoho	10	82.93	2.75	4.84	64.31	64.06	64.29	0.17	0.21	0.16
Copa	10	36.67	28.01	20.74	55.05	53.01	56.41	0.15	0.11	0.14
TCP Cubic	10	39.22	28.47	43.33	73.14	75.19	72.07	0.66	1.00	1.12
KohoCC	10	13.44	13.41	13.12	51.37	51.73	51.63	0.10	0.07	0.09
LEDBAT	10	27.07	17.52	10.30	61.83	63.24	63.43	0.07	0.10	0.11
PCC	10	69.45	12.43	18.69	77.05	78.24	78.14	3.05	3.46	4.66
QUIC Cubic	10	0.07	13.09	42.02	49.73	52.56	61.05	0.00	0.07	0.23
Saturator	10	26.95	26.88	26.49	53.27	53.58	54.72	0.07	0.06	0.11
SCReAM	10	0.21	0.22	0.22	51.64	51.40	51.44	0.05	0.02	0.00
Sprout	10	9.28	9.20	8.95	56.92	56.83	57.44	0.13	0.06	0.04
TaoVA-100x	10	50.35	40.36	29.97	79.44	83.40	83.42	9.63	18.44	20.75
TCP Vegas	10	31.67	17.24	33.80	60.03	61.21	64.17	0.65	0.56	0.91
Verus	10	39.21	21.89	21.95	86.86	85.26	87.98	34.41	35.49	41.08
WebRTC media	10	2.03	1.38	0.51	51.40	51.44	51.50	0.02	0.17	0.09

Run 1: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 04:20:41 +0000

End at: Sat, 29 Jul 2017 04:21:11 +0000

Local clock offset: -0.357 ms

Remote clock offset: 0.656 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 88.601 ms

Loss rate: 26.74%

-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 88.873 ms

Loss rate: 26.05%

-- Flow 2:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 88.179 ms

Loss rate: 27.97%

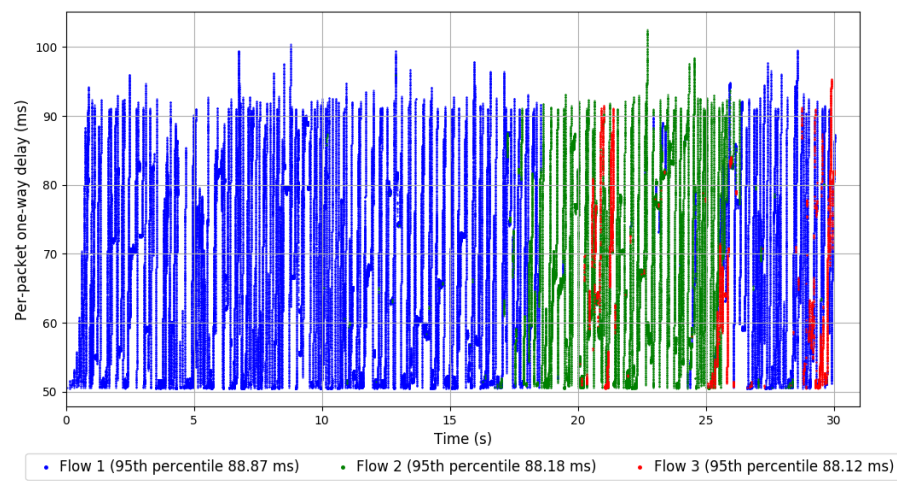
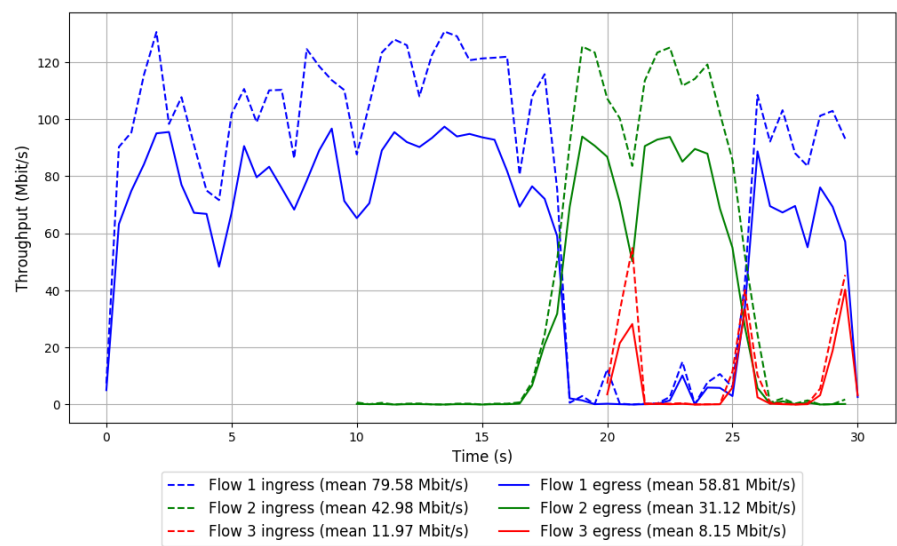
-- Flow 3:

Average throughput: 8.15 Mbit/s

95th percentile per-packet one-way delay: 88.122 ms

Loss rate: 31.74%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 04:41:34 +0000

End at: Sat, 29 Jul 2017 04:42:04 +0000

Local clock offset: -0.004 ms

Remote clock offset: 1.4 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.39 Mbit/s

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

Loss rate: 25.72%

-- Flow 1:

Average throughput: 44.75 Mbit/s

95th percentile per-packet one-way delay: 90.335 ms

Loss rate: 25.25%

-- Flow 2:

Average throughput: 21.78 Mbit/s

95th percentile per-packet one-way delay: 88.507 ms

Loss rate: 25.30%

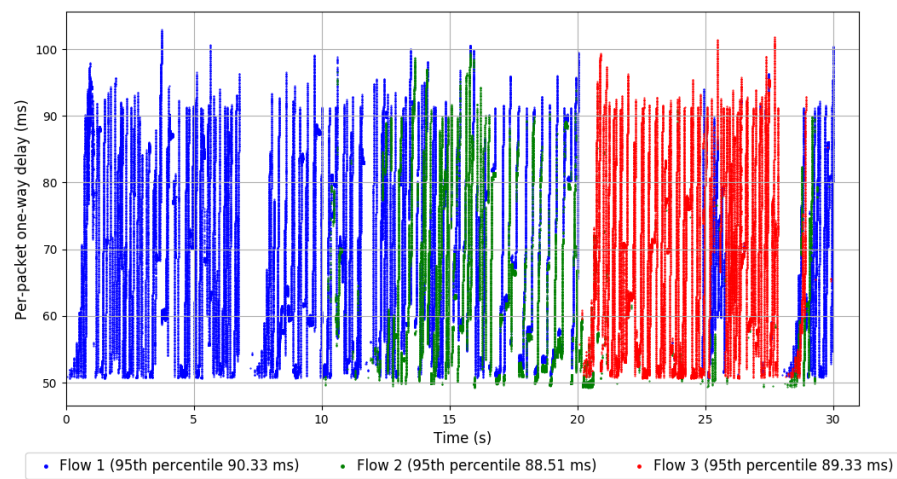
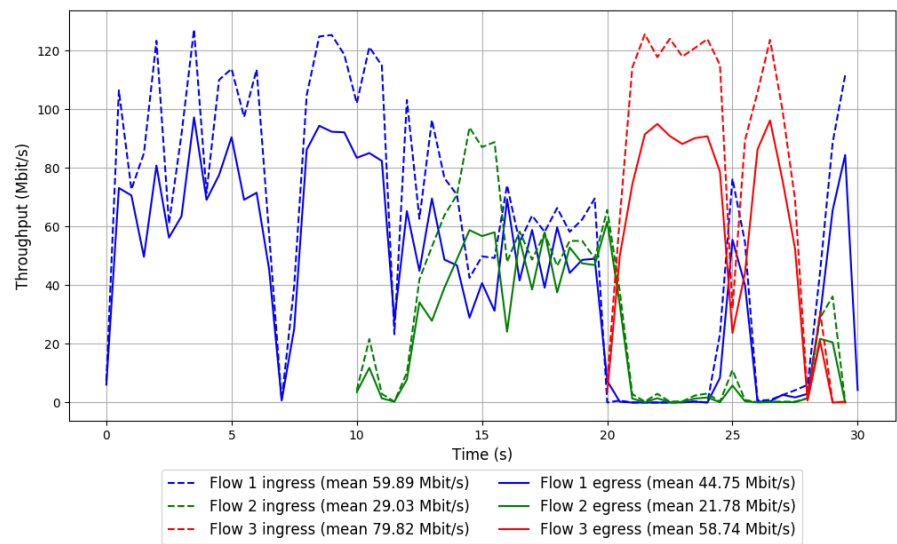
-- Flow 3:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 89.325 ms

Loss rate: 27.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:02:23 +0000

End at: Sat, 29 Jul 2017 05:02:53 +0000

Local clock offset: 0.238 ms

Remote clock offset: 1.292 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.58 Mbit/s

95th percentile per-packet one-way delay: 89.068 ms

Loss rate: 27.96%

-- Flow 1:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 89.136 ms

Loss rate: 26.87%

-- Flow 2:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 88.520 ms

Loss rate: 35.59%

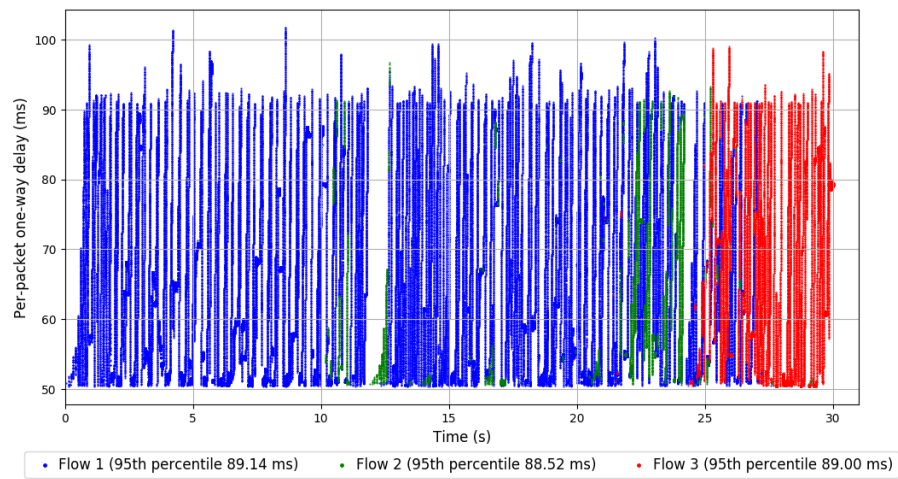
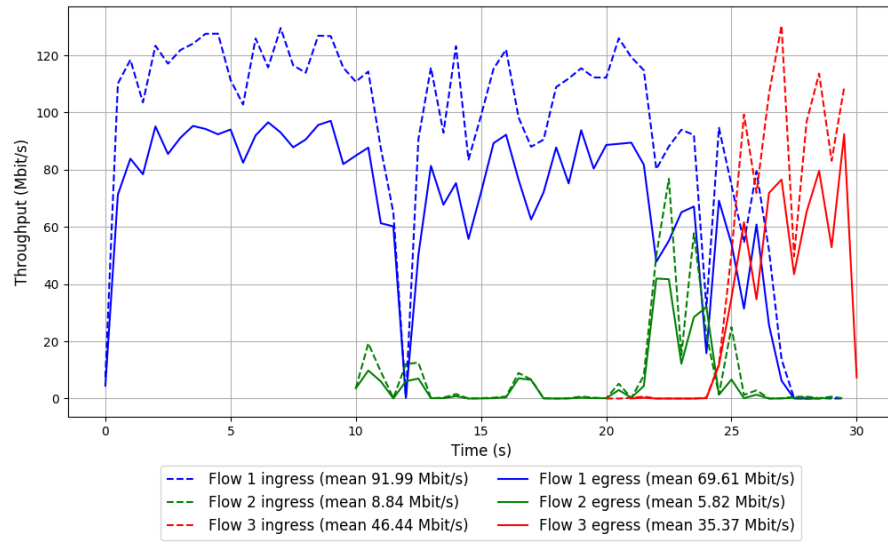
-- Flow 3:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 89.002 ms

Loss rate: 31.50%

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



Run 4: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:23:10 +0000

End at: Sat, 29 Jul 2017 05:23:40 +0000

Local clock offset: 0.484 ms

Remote clock offset: 1.517 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.49 Mbit/s

95th percentile per-packet one-way delay: 89.394 ms

Loss rate: 26.10%

-- Flow 1:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 89.376 ms

Loss rate: 26.50%

-- Flow 2:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 88.325 ms

Loss rate: 20.54%

-- Flow 3:

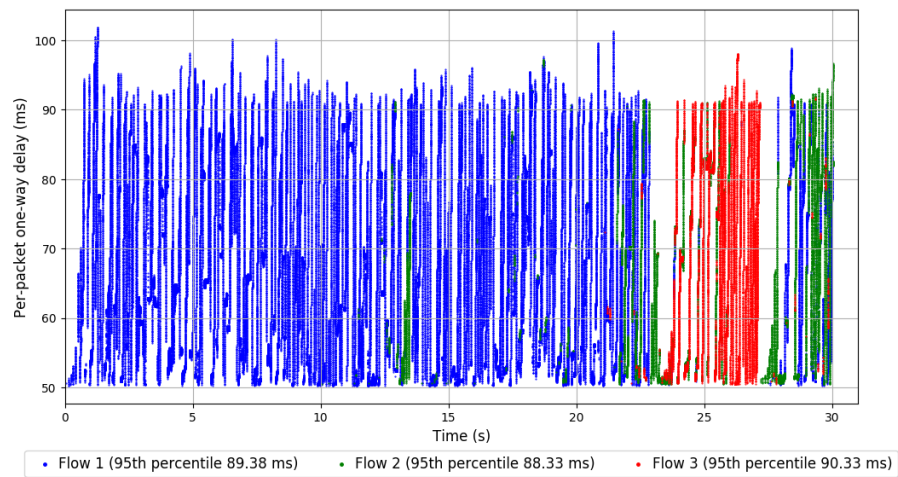
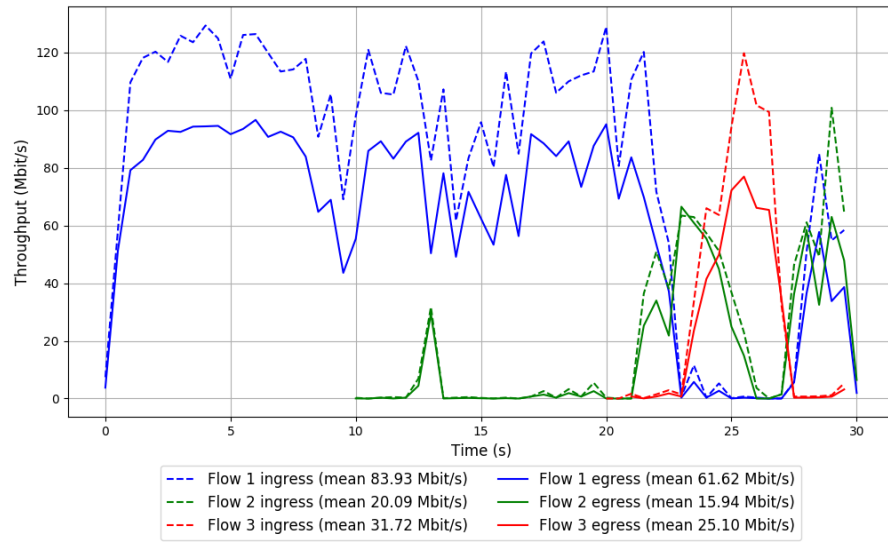
Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 90.335 ms

Loss rate: 30.00%



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



Run 5: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:44:04 +0000

End at: Sat, 29 Jul 2017 05:44:34 +0000

Local clock offset: 0.562 ms

Remote clock offset: 2.029 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 88.930 ms

Loss rate: 30.33%

-- Flow 1:

Average throughput: 52.88 Mbit/s

95th percentile per-packet one-way delay: 88.902 ms

Loss rate: 29.15%

-- Flow 2:

Average throughput: 17.44 Mbit/s

95th percentile per-packet one-way delay: 86.996 ms

Loss rate: 34.74%

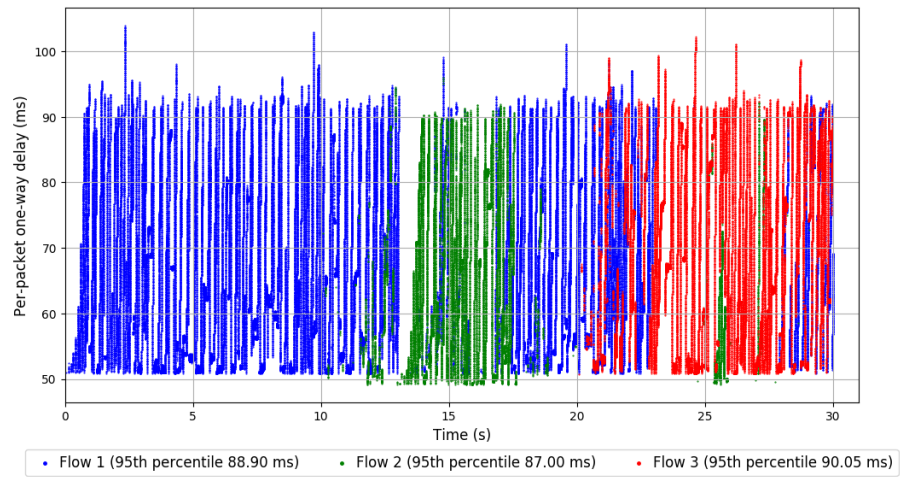
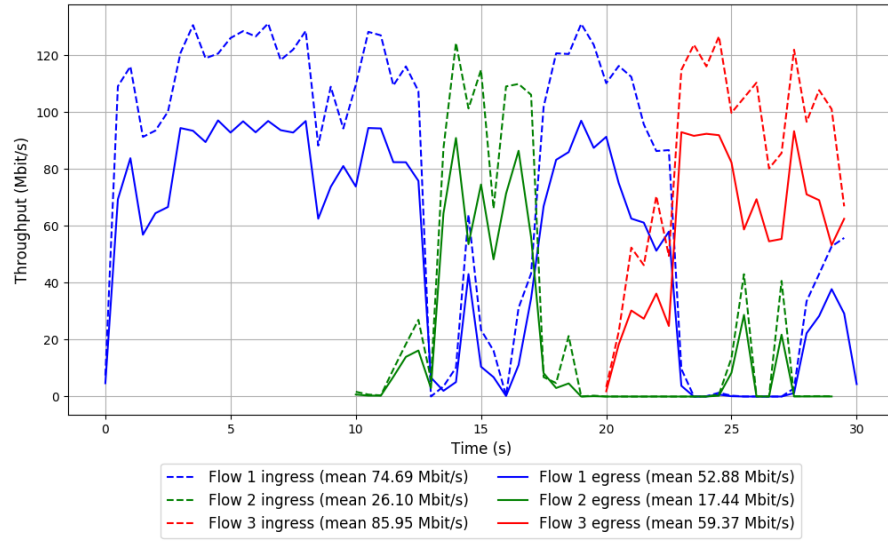
-- Flow 3:

Average throughput: 59.37 Mbit/s

95th percentile per-packet one-way delay: 90.049 ms

Loss rate: 30.79%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:05:00 +0000

End at: Sat, 29 Jul 2017 06:05:30 +0000

Local clock offset: 0.626 ms

Remote clock offset: -0.326 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 87.682 ms

Loss rate: 28.37%

-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 88.150 ms

Loss rate: 28.45%

-- Flow 2:

Average throughput: 26.12 Mbit/s

95th percentile per-packet one-way delay: 87.106 ms

Loss rate: 29.45%

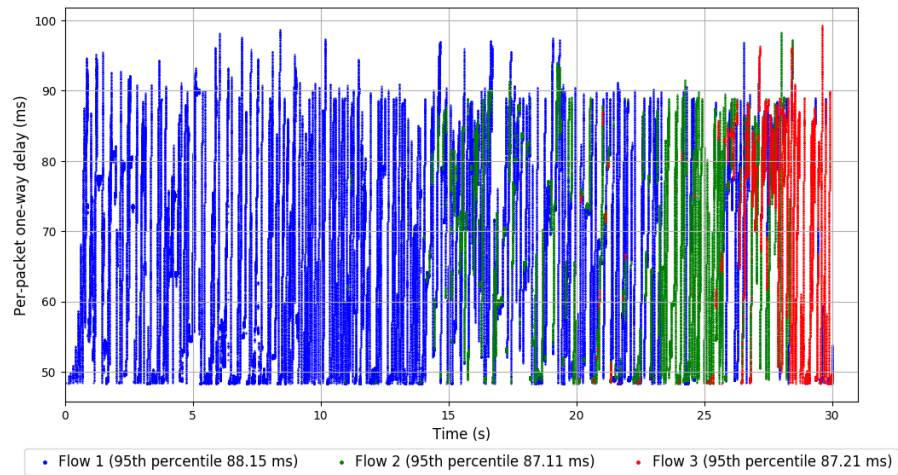
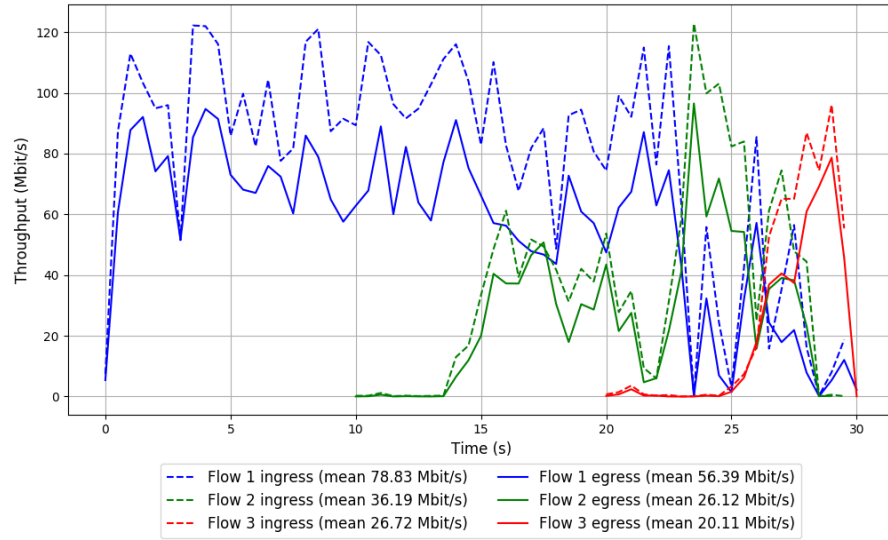
-- Flow 3:

Average throughput: 20.11 Mbit/s

95th percentile per-packet one-way delay: 87.206 ms

Loss rate: 24.73%

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



Run 7: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:25:56 +0000

End at: Sat, 29 Jul 2017 06:26:26 +0000

Local clock offset: 0.675 ms

Remote clock offset: 2.417 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 88.573 ms

Loss rate: 25.96%

-- Flow 1:

Average throughput: 67.10 Mbit/s

95th percentile per-packet one-way delay: 88.539 ms

Loss rate: 25.92%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 89.157 ms

Loss rate: 32.79%

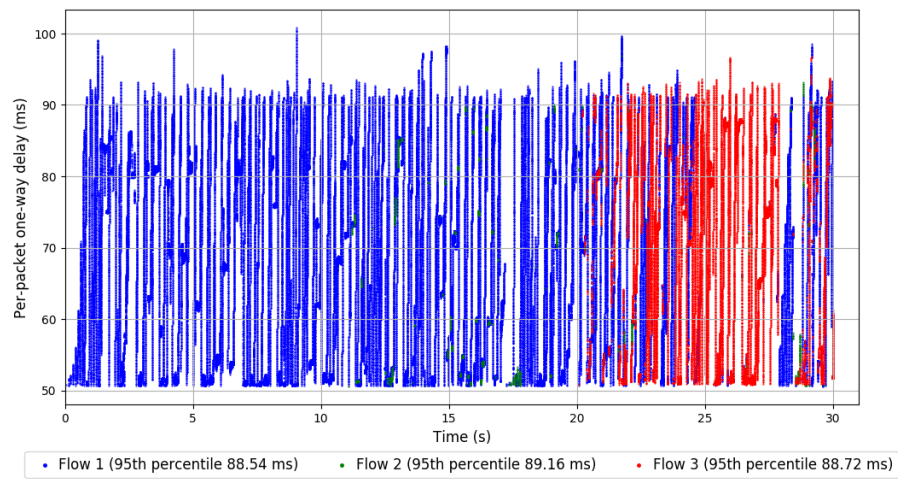
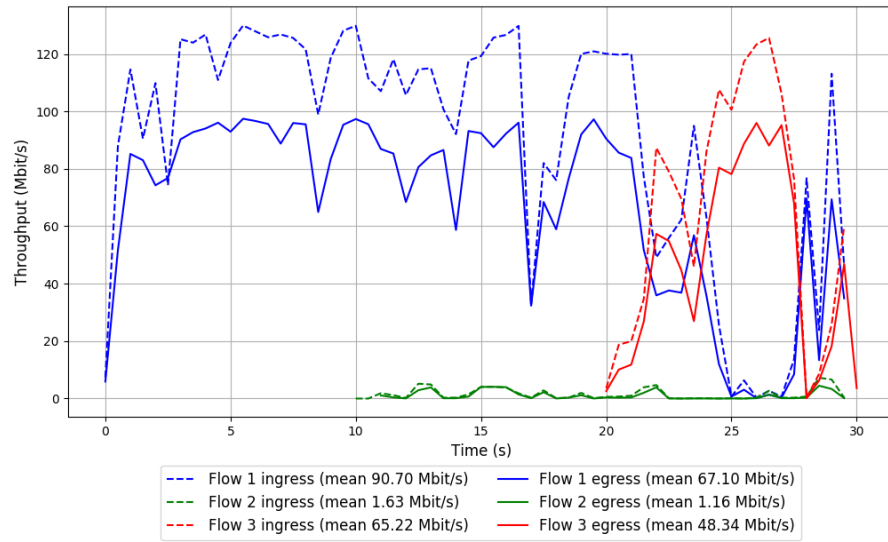
-- Flow 3:

Average throughput: 48.34 Mbit/s

95th percentile per-packet one-way delay: 88.725 ms

Loss rate: 25.81%

## Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:46:46 +0000

End at: Sat, 29 Jul 2017 06:47:16 +0000

Local clock offset: 0.686 ms

Remote clock offset: 2.071 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 87.321 ms

Loss rate: 27.27%

-- Flow 1:

Average throughput: 81.60 Mbit/s

95th percentile per-packet one-way delay: 87.352 ms

Loss rate: 26.96%

-- Flow 2:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 88.438 ms

Loss rate: 50.65%

-- Flow 3:

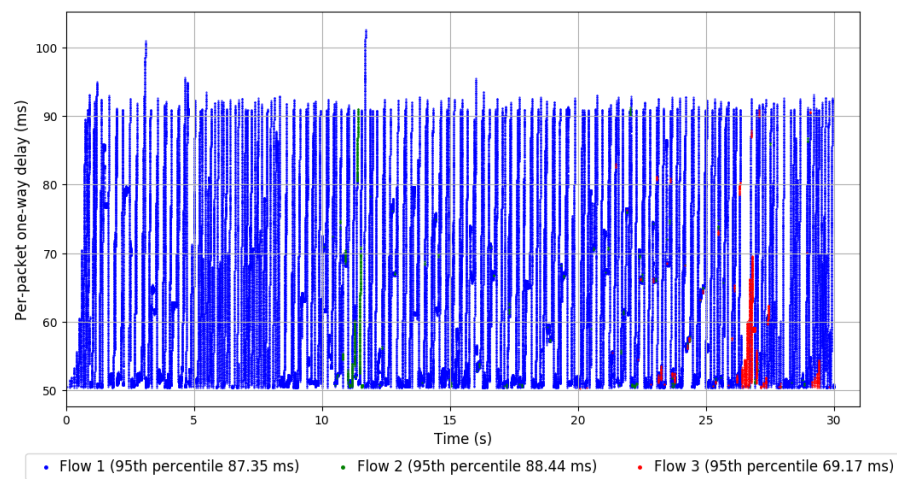
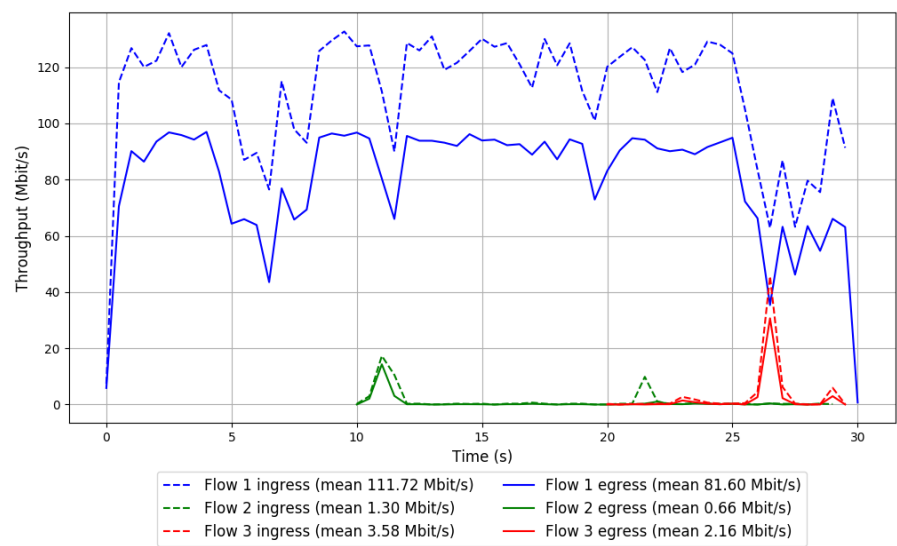
Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 69.168 ms

Loss rate: 40.18%



Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:07:39 +0000

End at: Sat, 29 Jul 2017 07:08:09 +0000

Local clock offset: 0.696 ms

Remote clock offset: 2.317 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 88.630 ms

Loss rate: 28.04%

-- Flow 1:

Average throughput: 59.74 Mbit/s

95th percentile per-packet one-way delay: 88.902 ms

Loss rate: 27.67%

-- Flow 2:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 86.849 ms

Loss rate: 33.70%

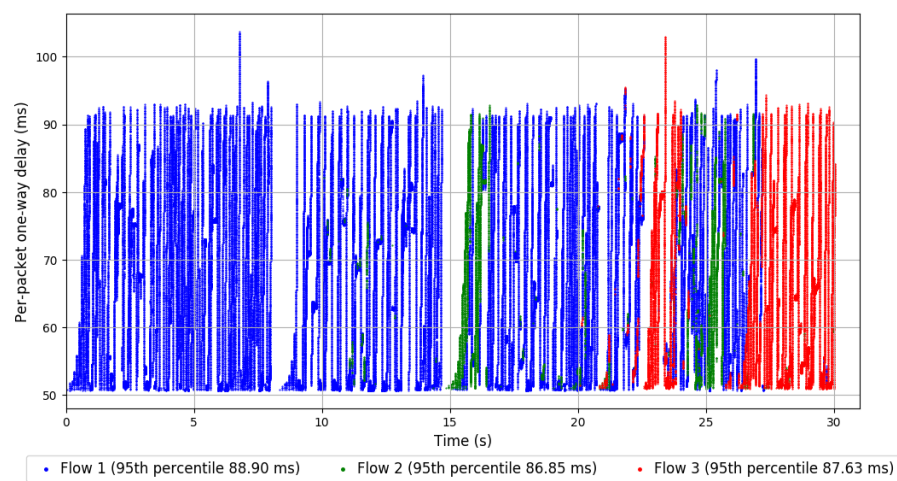
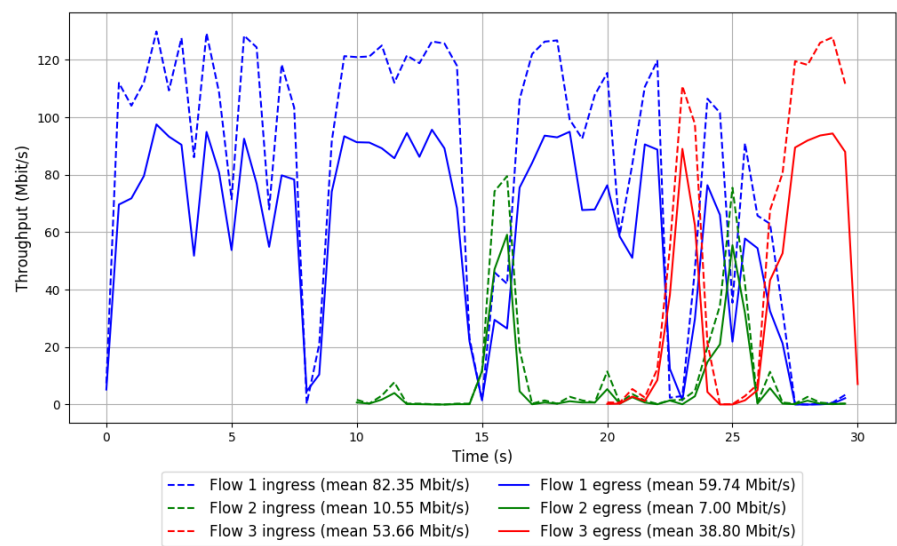
-- Flow 3:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 87.632 ms

Loss rate: 27.53%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:28:29 +0000

End at: Sat, 29 Jul 2017 07:28:59 +0000

Local clock offset: 0.692 ms

Remote clock offset: -1.062 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:47:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.99 Mbit/s

95th percentile per-packet one-way delay: 85.791 ms

Loss rate: 29.02%

-- Flow 1:

Average throughput: 29.79 Mbit/s

95th percentile per-packet one-way delay: 85.927 ms

Loss rate: 31.07%

-- Flow 2:

Average throughput: 65.64 Mbit/s

95th percentile per-packet one-way delay: 85.760 ms

Loss rate: 28.19%

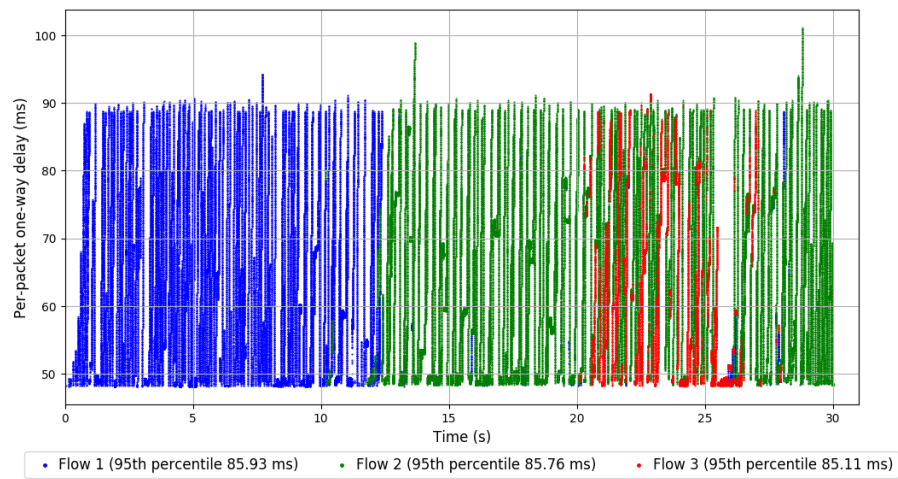
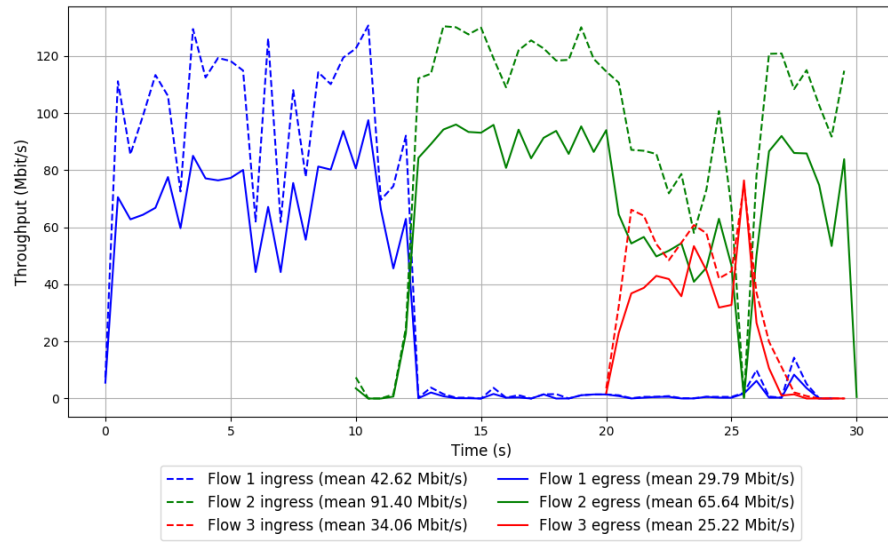
-- Flow 3:

Average throughput: 25.22 Mbit/s

95th percentile per-packet one-way delay: 85.112 ms

Loss rate: 25.84%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:33:13 +0000

End at: Sat, 29 Jul 2017 04:33:43 +0000

Local clock offset: -0.158 ms

Remote clock offset: 0.808 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 64.334 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 78.75 Mbit/s

95th percentile per-packet one-way delay: 64.319 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 65.403 ms

Loss rate: 0.11%

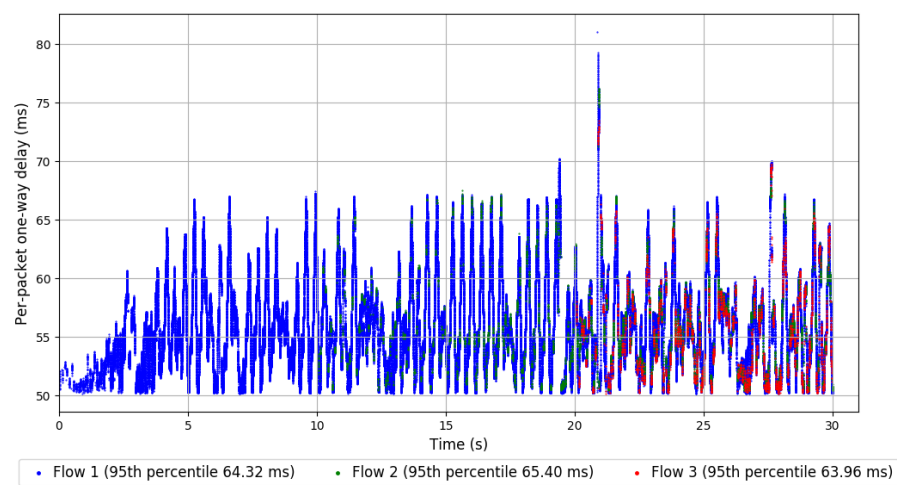
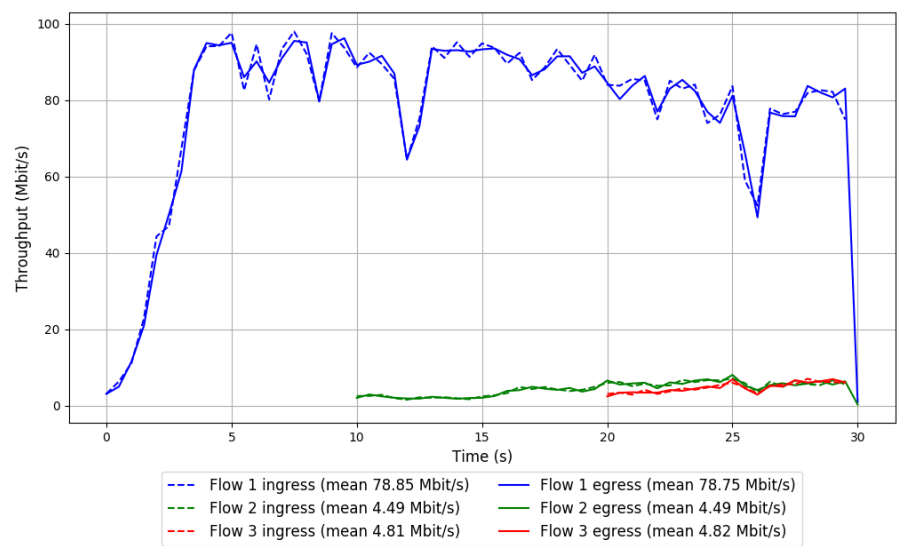
-- Flow 3:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 63.959 ms

Loss rate: 0.03%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:54:06 +0000

End at: Sat, 29 Jul 2017 04:54:36 +0000

Local clock offset: 0.109 ms

Remote clock offset: -0.909 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.55 Mbit/s

95th percentile per-packet one-way delay: 63.221 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 81.46 Mbit/s

95th percentile per-packet one-way delay: 63.249 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 61.501 ms

Loss rate: 0.11%

-- Flow 3:

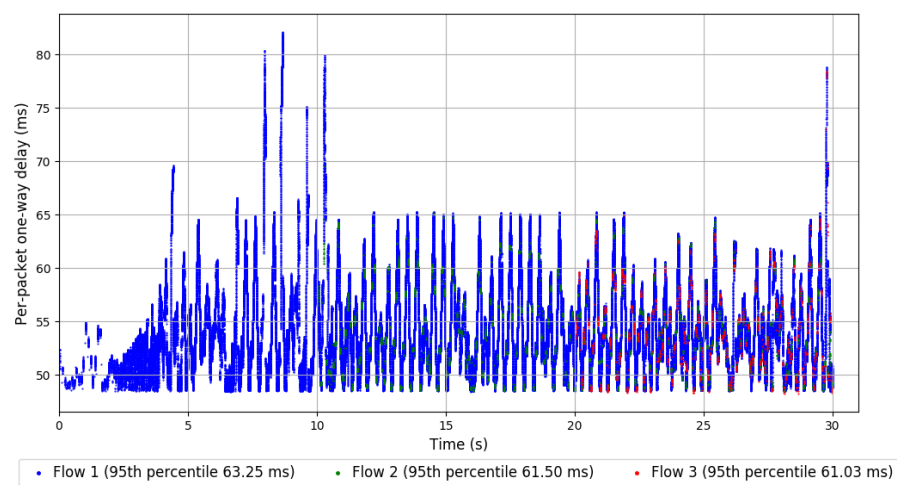
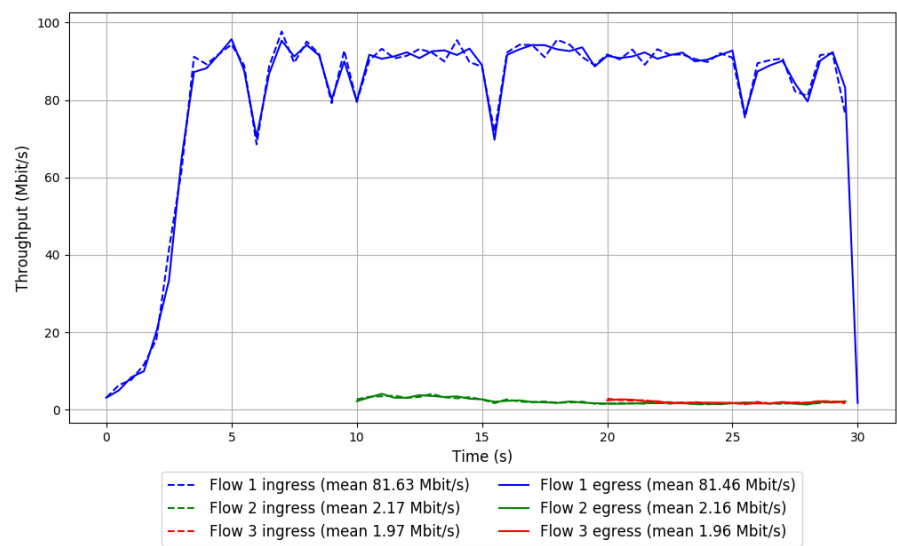
Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 61.030 ms

Loss rate: 0.37%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:14:55 +0000

End at: Sat, 29 Jul 2017 05:15:25 +0000

Local clock offset: 0.46 ms

Remote clock offset: -0.718 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 62.926 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 62.881 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.66%

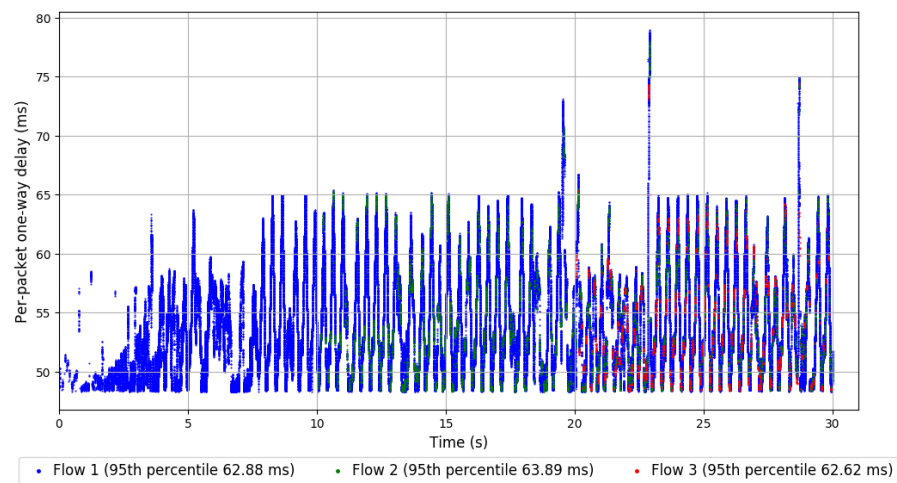
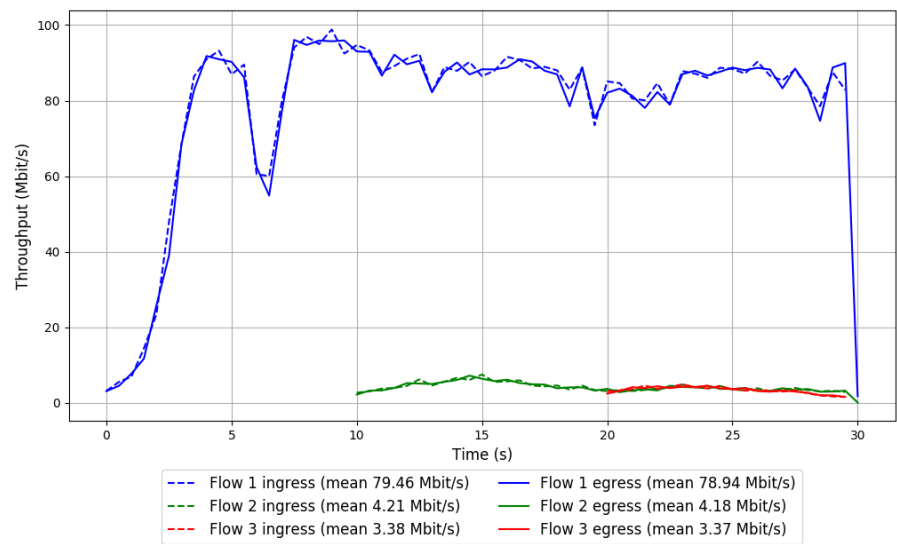
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 62.618 ms

Loss rate: 0.39%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:35:44 +0000

End at: Sat, 29 Jul 2017 05:36:14 +0000

Local clock offset: 0.529 ms

Remote clock offset: 1.653 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 64.880 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 64.694 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 64.621 ms

Loss rate: 0.14%

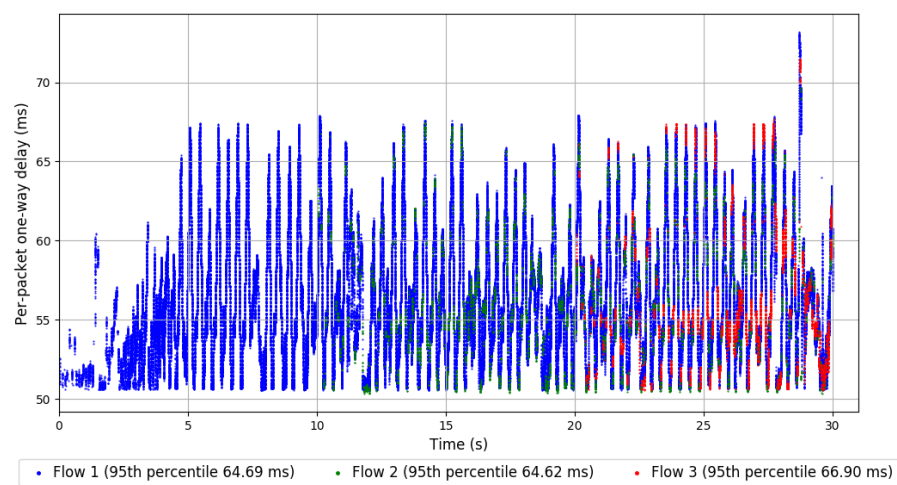
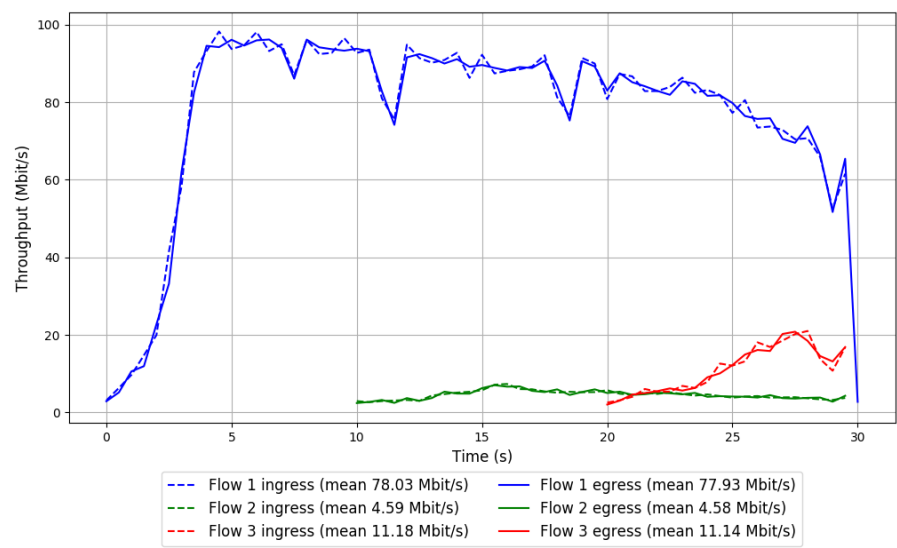
-- Flow 3:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 66.904 ms

Loss rate: 0.35%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:56:38 +0000

End at: Sat, 29 Jul 2017 05:57:08 +0000

Local clock offset: 0.491 ms

Remote clock offset: -0.313 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 64.280 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 64.277 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 63.088 ms

Loss rate: 0.05%

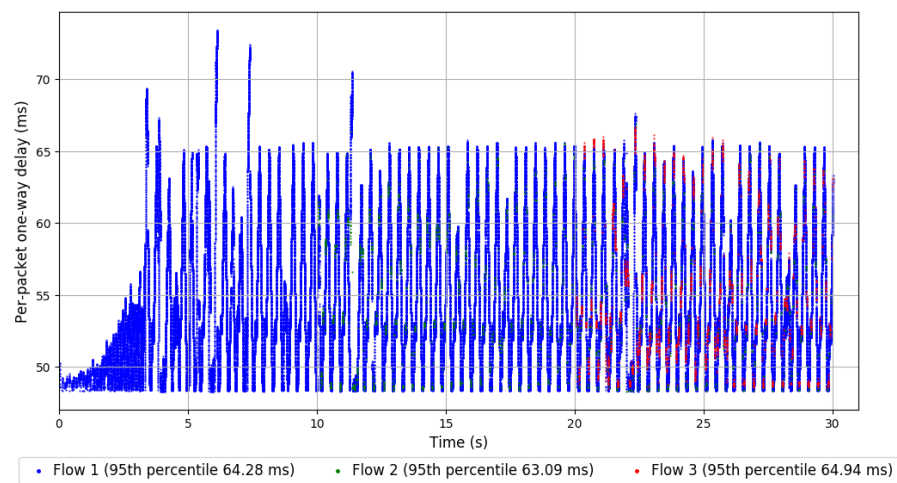
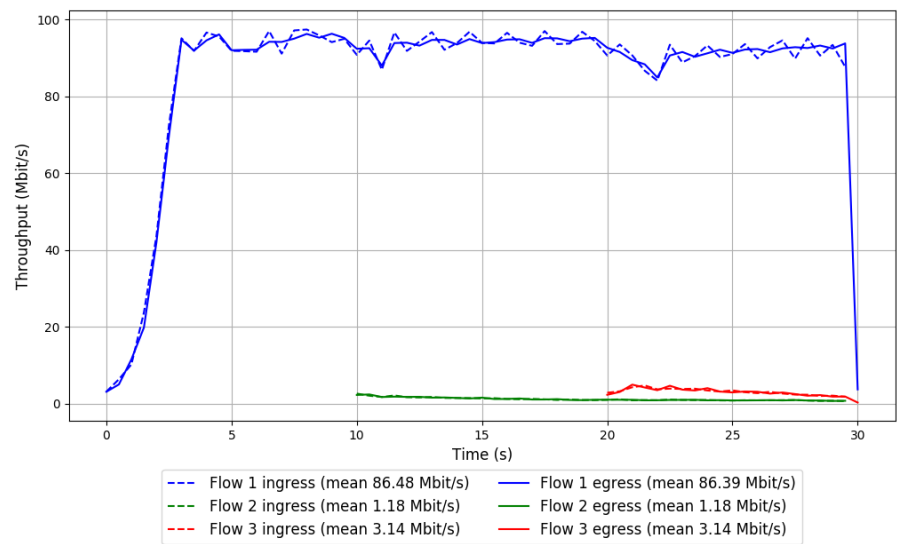
-- Flow 3:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 64.942 ms

Loss rate: 0.04%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:17:33 +0000

End at: Sat, 29 Jul 2017 06:18:03 +0000

Local clock offset: 0.558 ms

Remote clock offset: -0.077 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 64.162 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 64.165 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 63.217 ms

Loss rate: 0.44%

-- Flow 3:

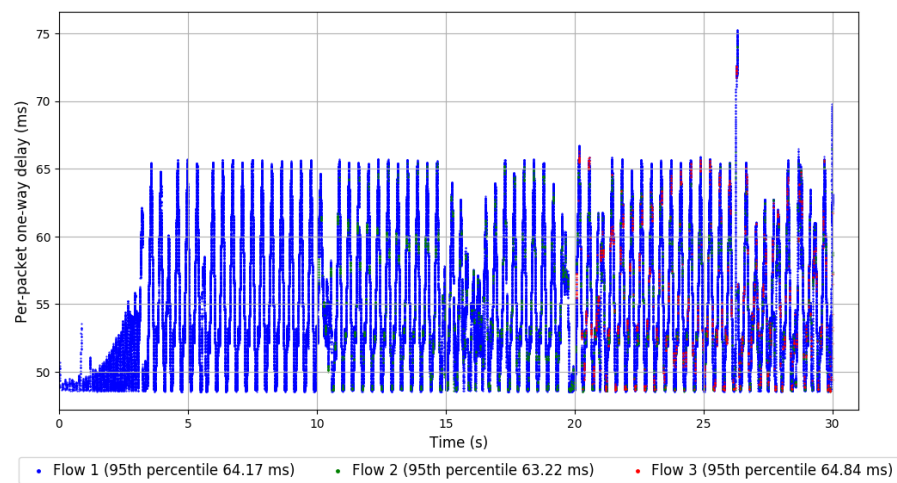
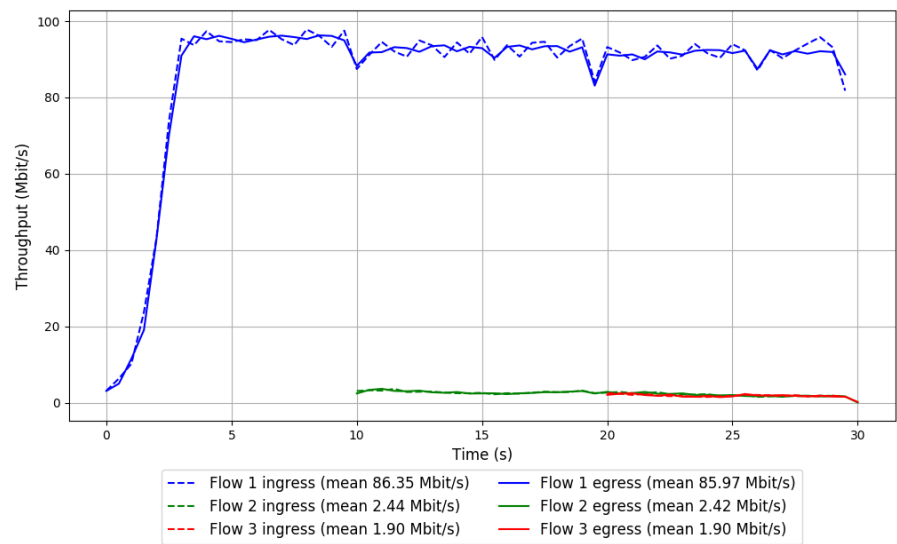
Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 64.838 ms

Loss rate: 0.19%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:38:27 +0000

End at: Sat, 29 Jul 2017 06:38:57 +0000

Local clock offset: 0.58 ms

Remote clock offset: 2.76 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 65.674 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 65.685 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 65.207 ms

Loss rate: 0.00%

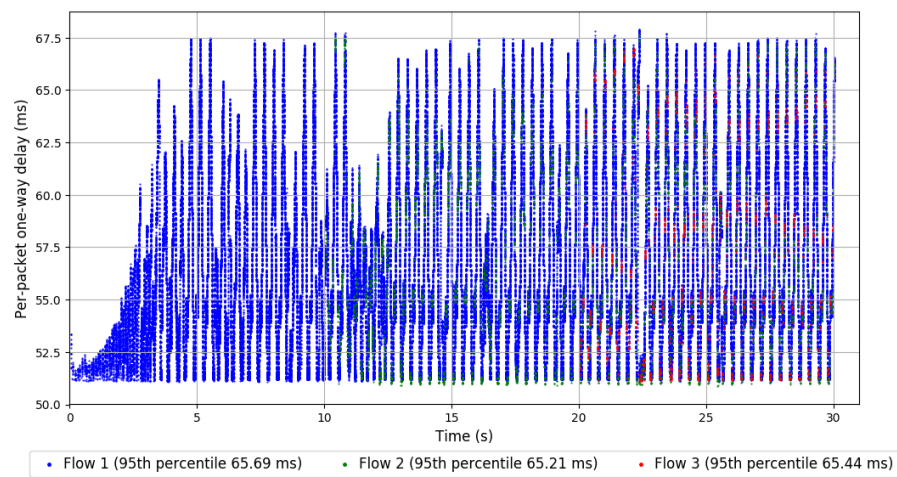
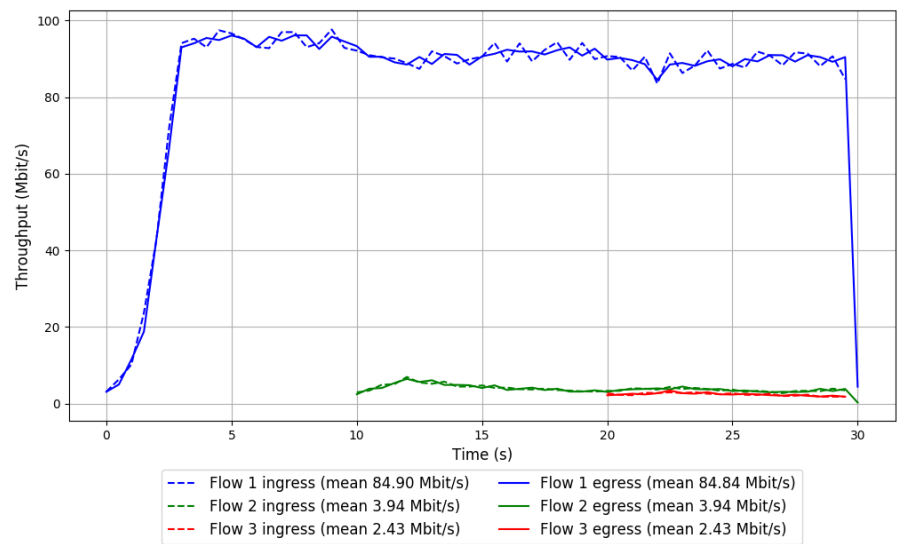
-- Flow 3:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 65.443 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:59:19 +0000

End at: Sat, 29 Jul 2017 06:59:49 +0000

Local clock offset: 0.624 ms

Remote clock offset: -0.015 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 64.200 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 87.10 Mbit/s

95th percentile per-packet one-way delay: 64.204 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 63.690 ms

Loss rate: 0.00%

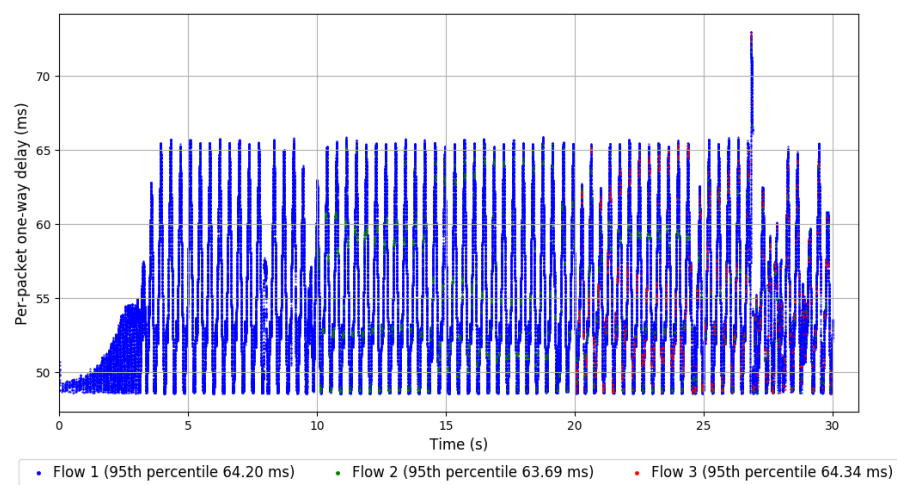
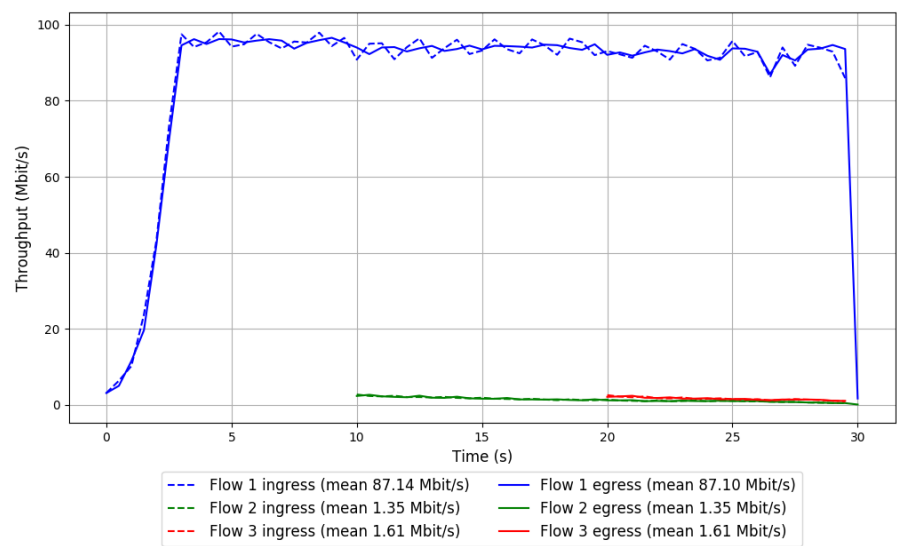
-- Flow 3:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 64.336 ms

Loss rate: 0.22%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:20:10 +0000

End at: Sat, 29 Jul 2017 07:20:40 +0000

Local clock offset: 0.599 ms

Remote clock offset: -0.447 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 63.746 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 63.743 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 64.374 ms

Loss rate: 0.38%

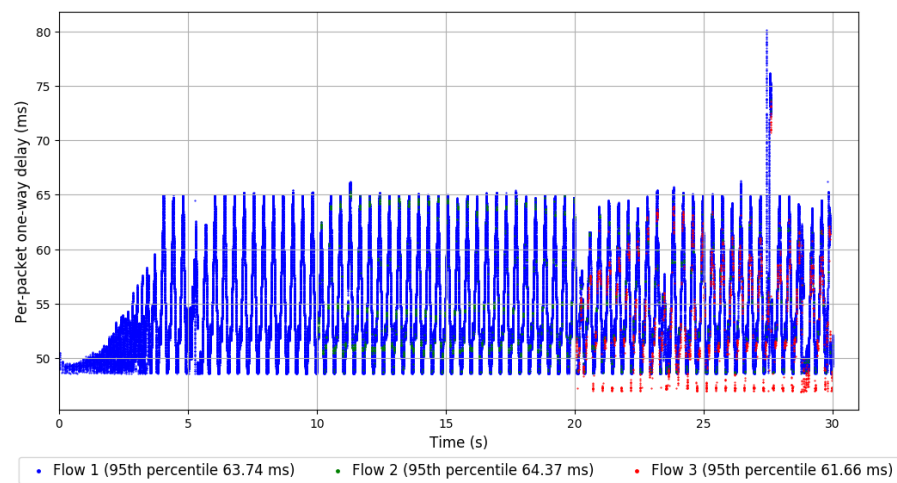
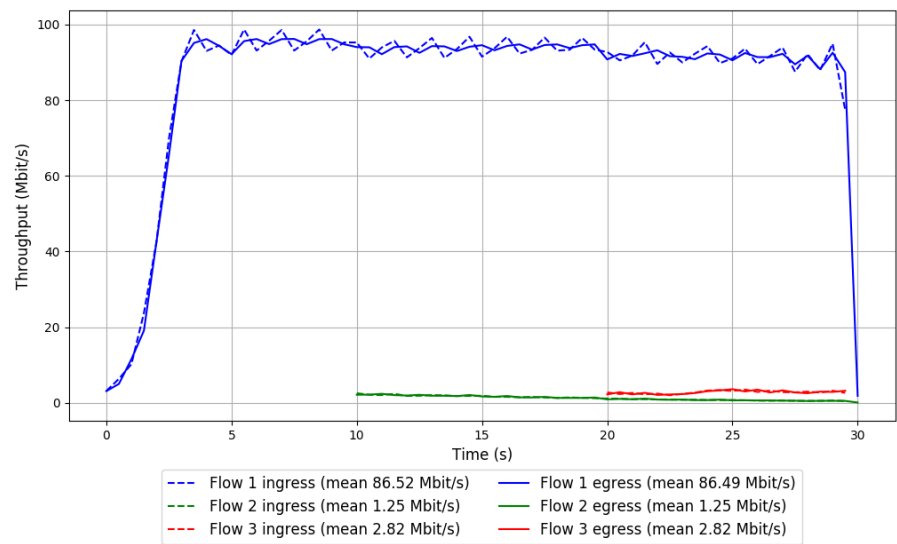
-- Flow 3:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 61.665 ms

Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:41:03 +0000

End at: Sat, 29 Jul 2017 07:41:33 +0000

Local clock offset: 0.71 ms

Remote clock offset: 0.714 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:48:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 66.024 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 81.44 Mbit/s

95th percentile per-packet one-way delay: 65.846 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 65.603 ms

Loss rate: 0.16%

-- Flow 3:

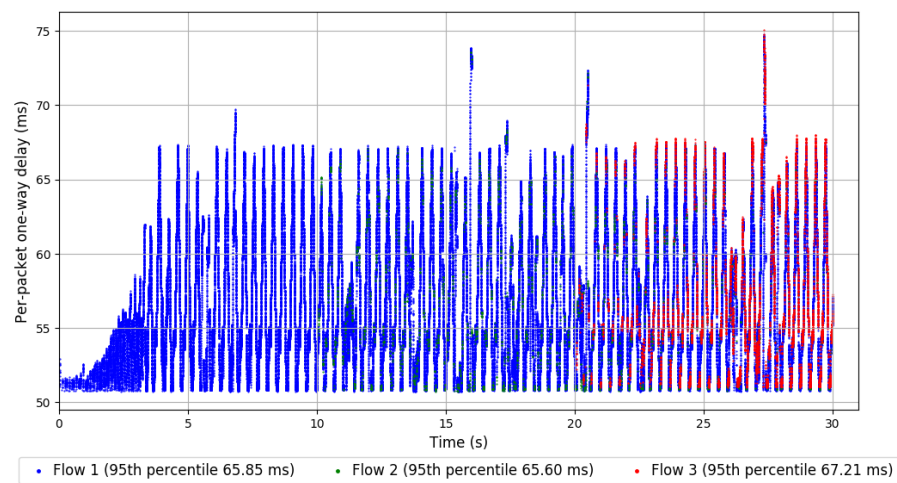
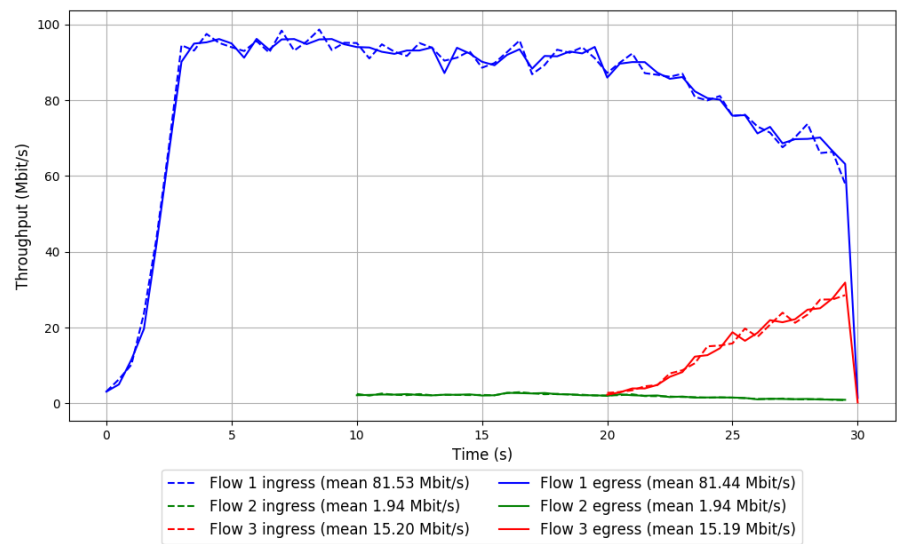
Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 67.210 ms

Loss rate: 0.02%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 29 Jul 2017 04:19:14 +0000

End at: Sat, 29 Jul 2017 04:19:44 +0000

Local clock offset: -0.384 ms

Remote clock offset: 1.138 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.07 Mbit/s

95th percentile per-packet one-way delay: 57.653 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 56.462 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 32.15 Mbit/s

95th percentile per-packet one-way delay: 57.654 ms

Loss rate: 0.05%

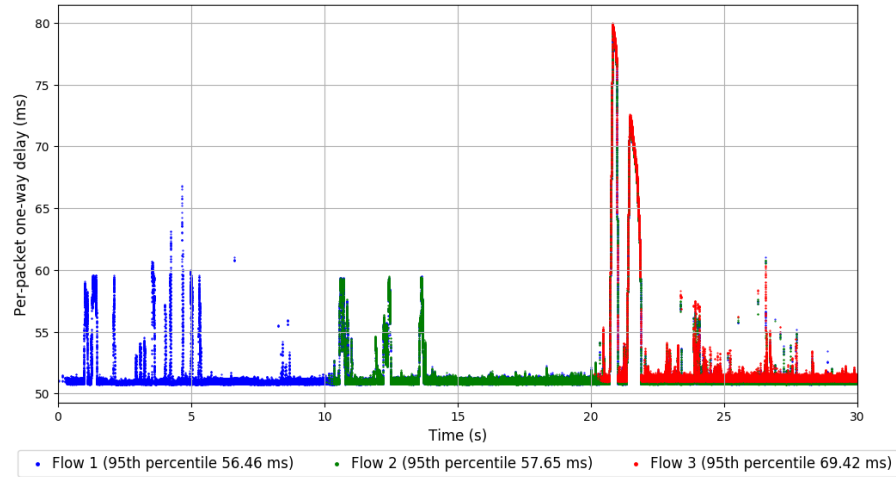
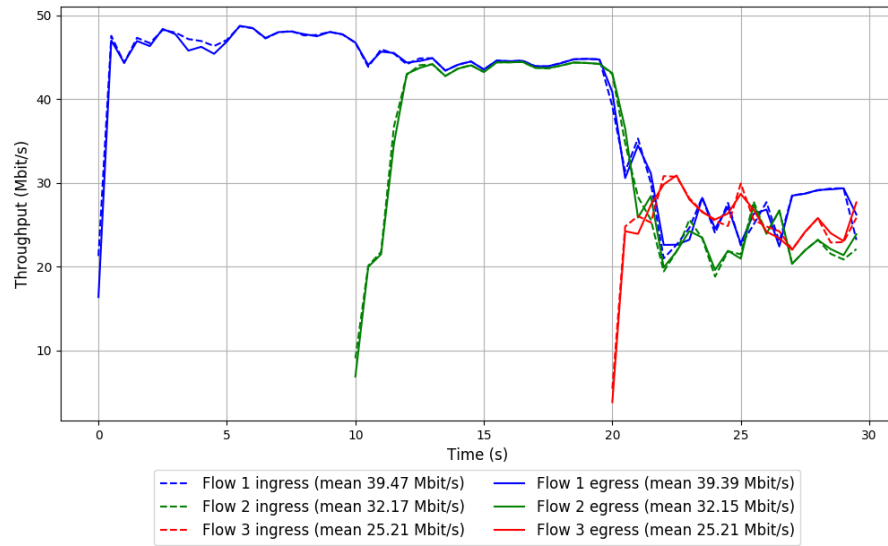
-- Flow 3:

Average throughput: 25.21 Mbit/s

95th percentile per-packet one-way delay: 69.424 ms

Loss rate: 0.00%

## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 29 Jul 2017 04:40:08 +0000

End at: Sat, 29 Jul 2017 04:40:38 +0000

Local clock offset: -0.109 ms

Remote clock offset: 0.917 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 58.232 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 26.23 Mbit/s

95th percentile per-packet one-way delay: 58.218 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 56.047 ms

Loss rate: 0.02%

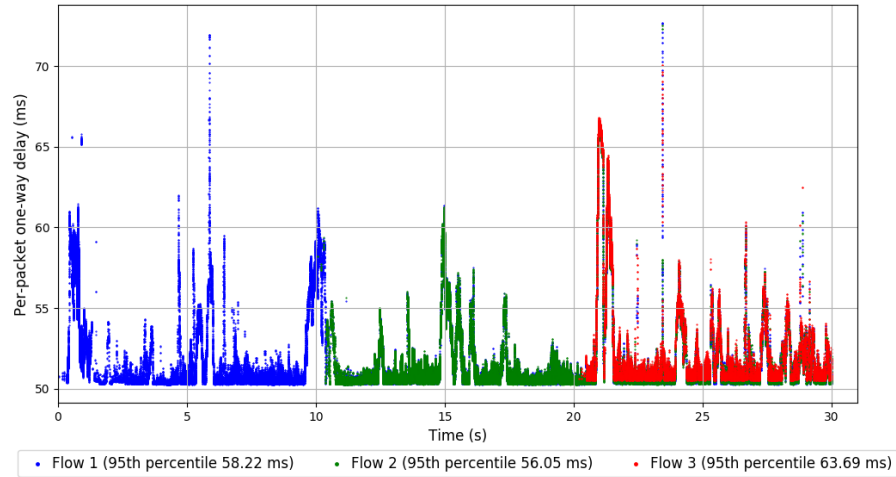
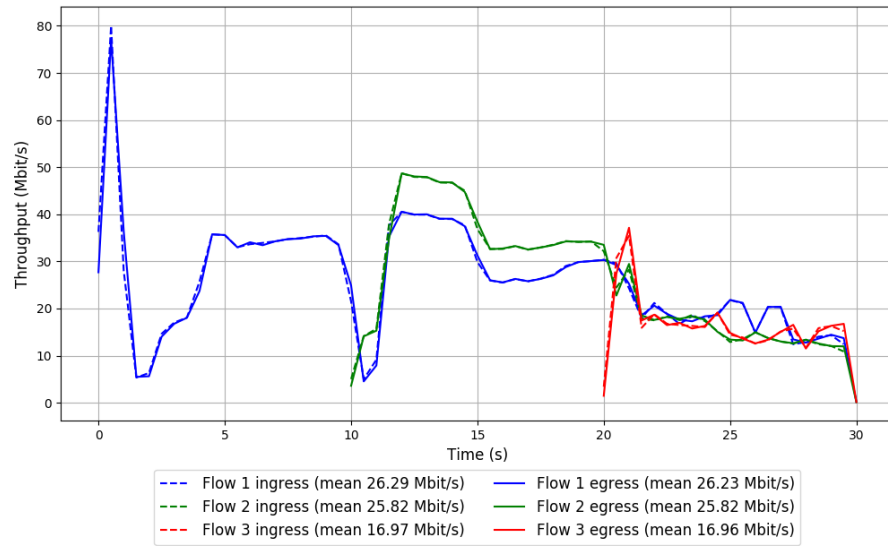
-- Flow 3:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 63.687 ms

Loss rate: 0.07%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:00:57 +0000

End at: Sat, 29 Jul 2017 05:01:27 +0000

Local clock offset: 0.223 ms

Remote clock offset: 1.331 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 54.671 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 28.68 Mbit/s

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

Loss rate: 0.08%

-- Flow 2:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 55.106 ms

Loss rate: 0.06%

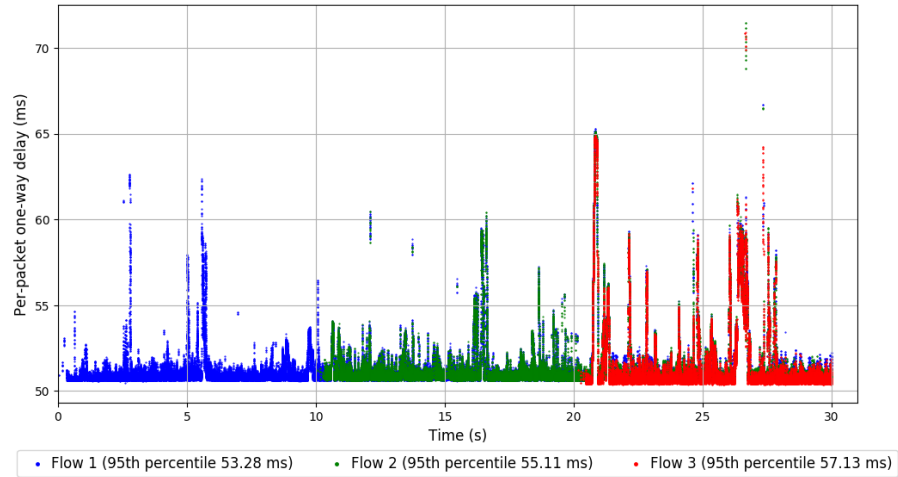
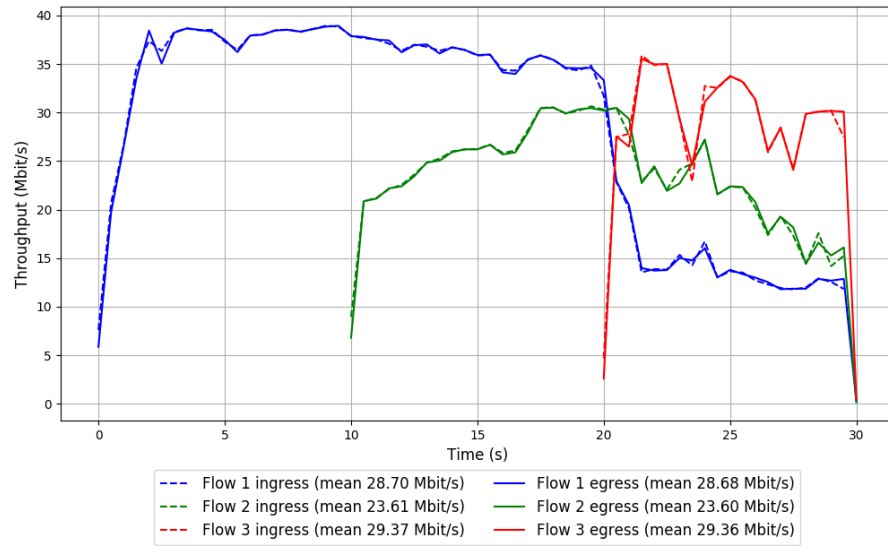
-- Flow 3:

Average throughput: 29.36 Mbit/s

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

Loss rate: 0.06%

### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:21:46 +0000

End at: Sat, 29 Jul 2017 05:22:16 +0000

Local clock offset: 0.507 ms

Remote clock offset: 1.417 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 37.86 Mbit/s

95th percentile per-packet one-way delay: 73.793 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 78.736 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 56.045 ms

Loss rate: 0.16%

-- Flow 3:

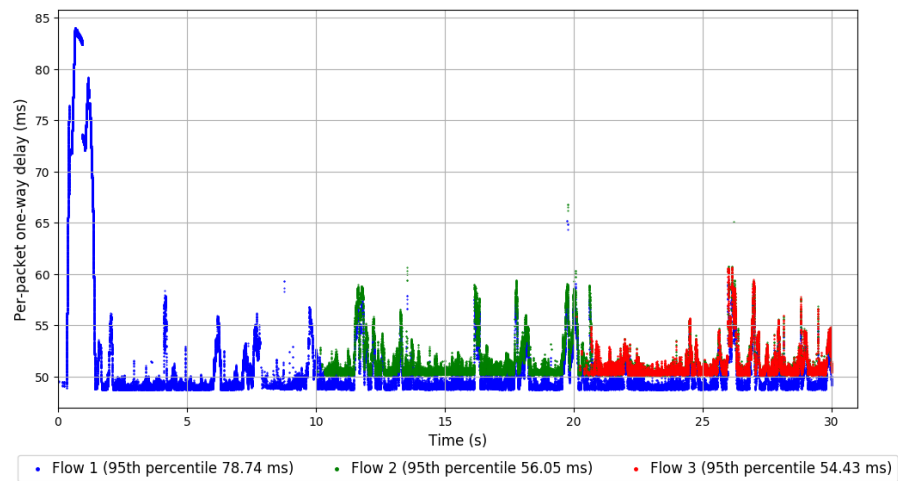
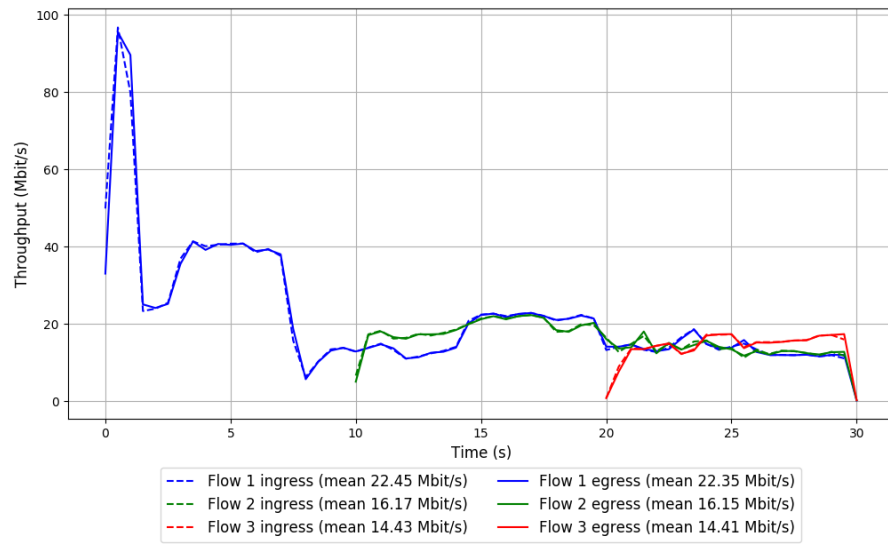
Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 54.427 ms

Loss rate: 0.23%



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



Run 5: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:42:38 +0000

End at: Sat, 29 Jul 2017 05:43:08 +0000

Local clock offset: 0.446 ms

Remote clock offset: 1.526 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 52.964 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 52.881 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 53.136 ms

Loss rate: 0.05%

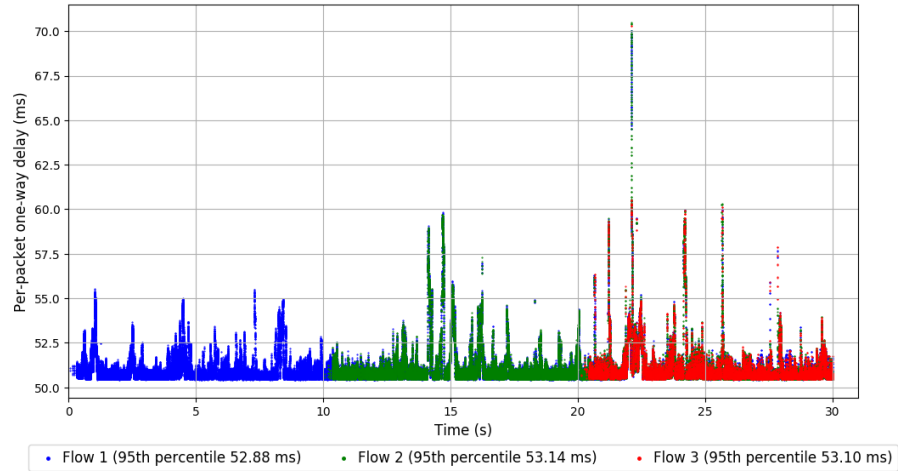
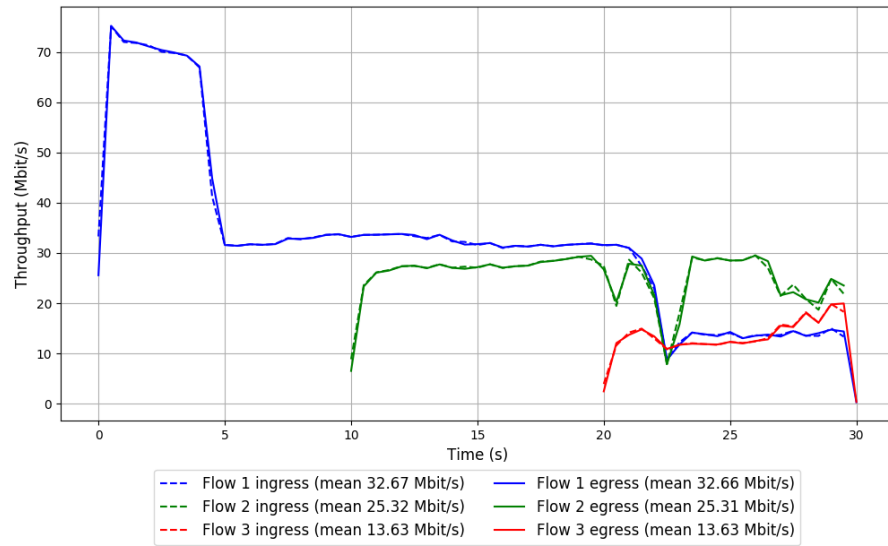
-- Flow 3:

Average throughput: 13.63 Mbit/s

95th percentile per-packet one-way delay: 53.096 ms

Loss rate: 0.04%

## Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:03:32 +0000

End at: Sat, 29 Jul 2017 06:04:02 +0000

Local clock offset: 0.518 ms

Remote clock offset: -0.266 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:49:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 49.258 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 49.207 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 48.571 ms

Loss rate: 0.10%

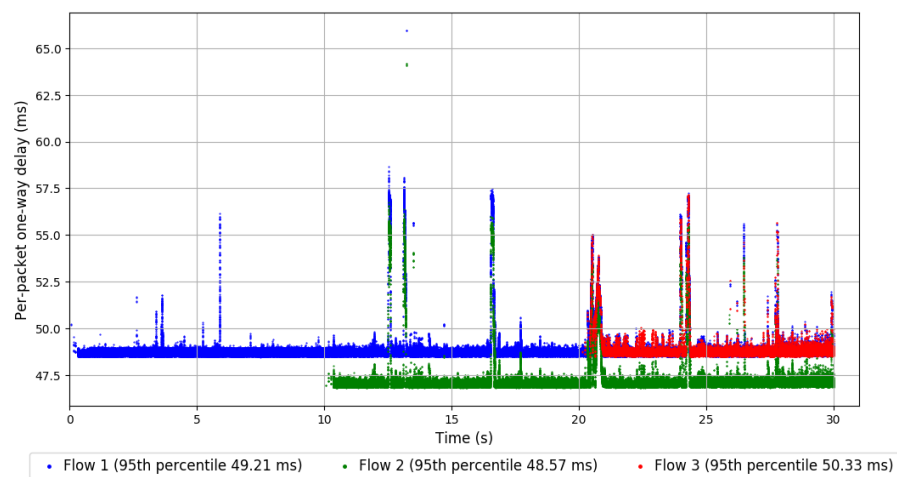
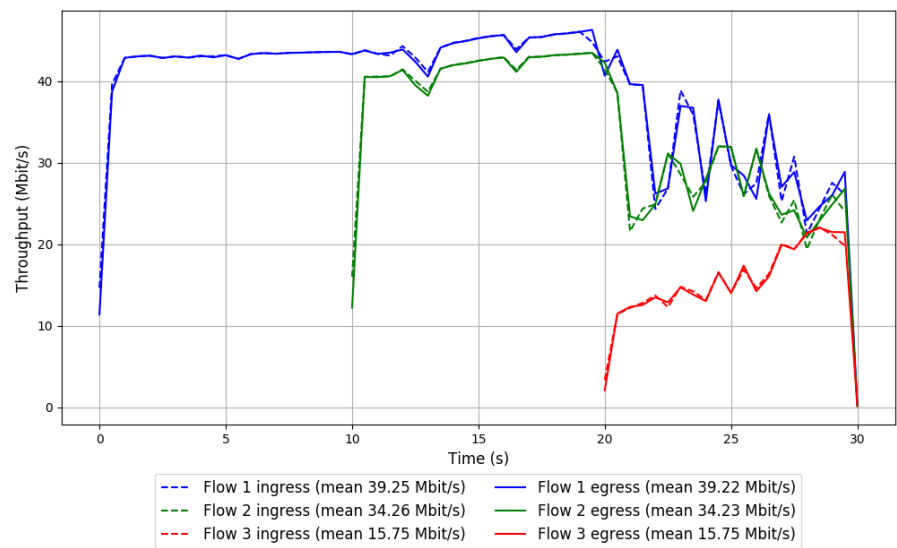
-- Flow 3:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 50.329 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:24:28 +0000

End at: Sat, 29 Jul 2017 06:24:58 +0000

Local clock offset: 0.665 ms

Remote clock offset: 0.048 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 49.700 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 49.506 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.40 Mbit/s

95th percentile per-packet one-way delay: 49.922 ms

Loss rate: 0.04%

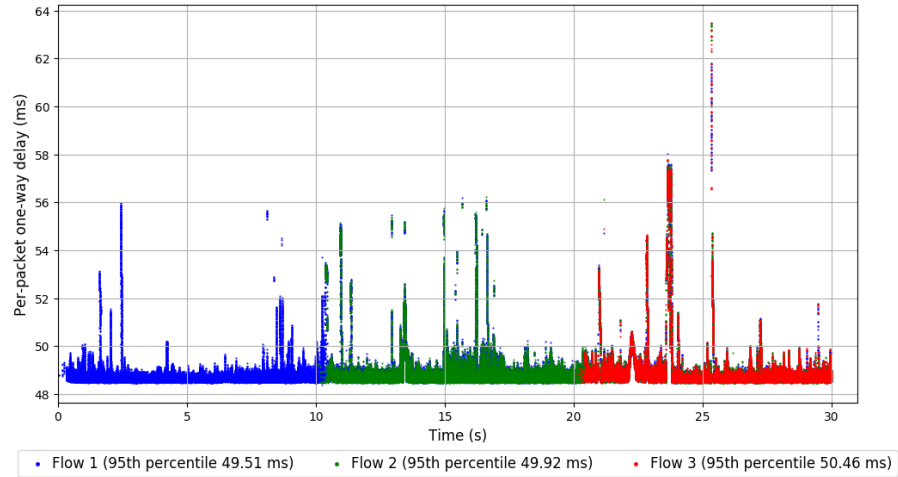
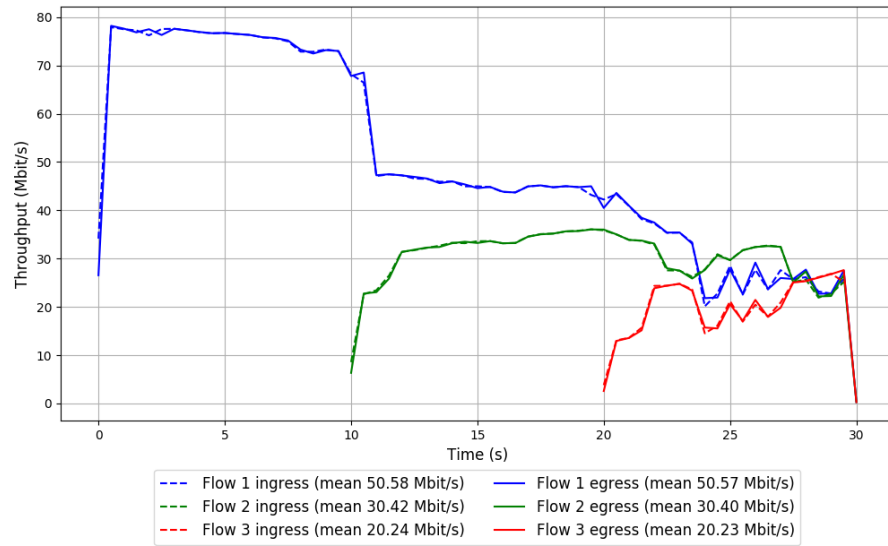
-- Flow 3:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 50.459 ms

Loss rate: 0.07%

## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:45:19 +0000

End at: Sat, 29 Jul 2017 06:45:49 +0000

Local clock offset: 0.592 ms

Remote clock offset: 2.705 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.06 Mbit/s

95th percentile per-packet one-way delay: 52.072 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 52.007 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.86 Mbit/s

95th percentile per-packet one-way delay: 52.133 ms

Loss rate: 0.01%

-- Flow 3:

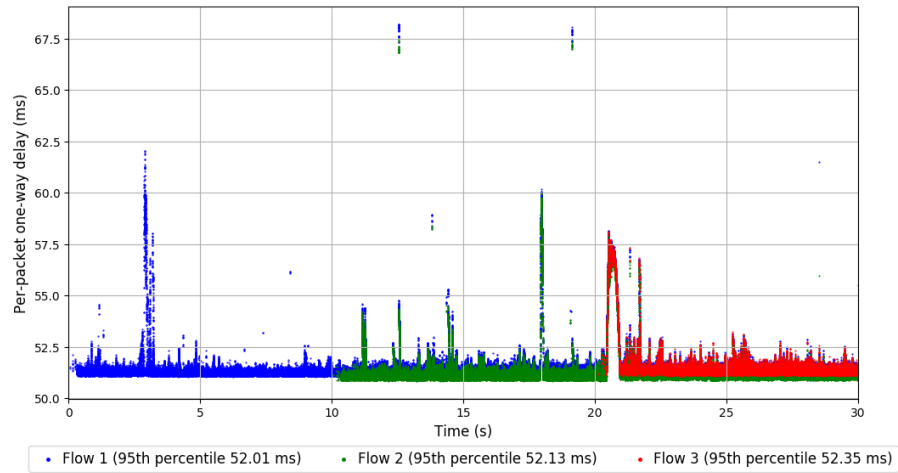
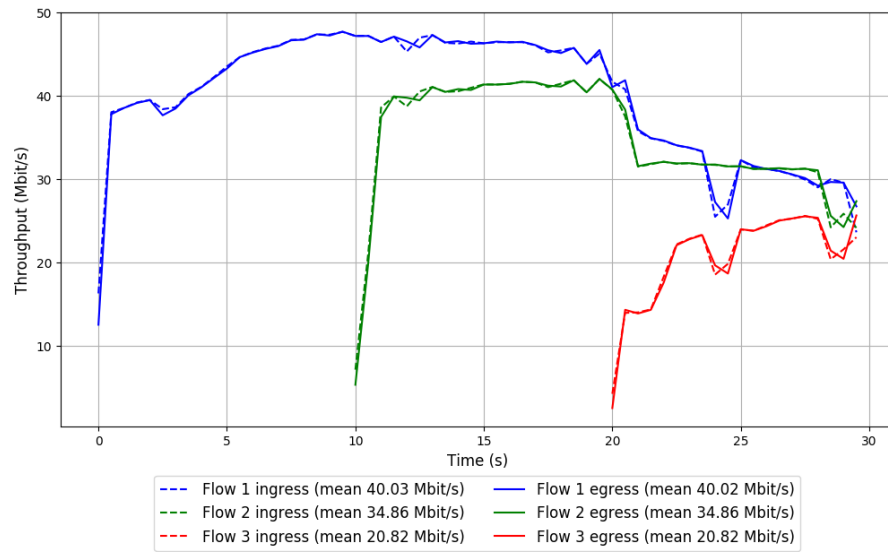
Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 52.347 ms

Loss rate: 0.00%



## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:06:10 +0000

End at: Sat, 29 Jul 2017 07:06:40 +0000

Local clock offset: 0.591 ms

Remote clock offset: -0.157 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: 49.320 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 53.81 Mbit/s

95th percentile per-packet one-way delay: 49.362 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 48.476 ms

Loss rate: 0.04%

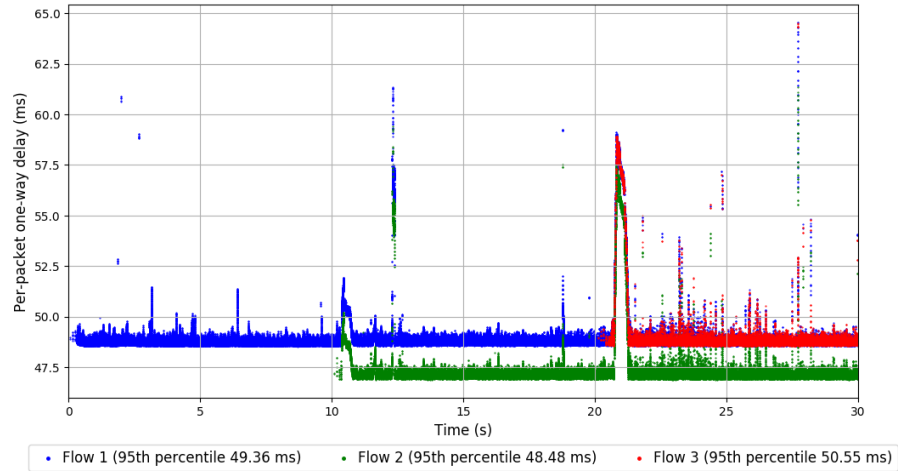
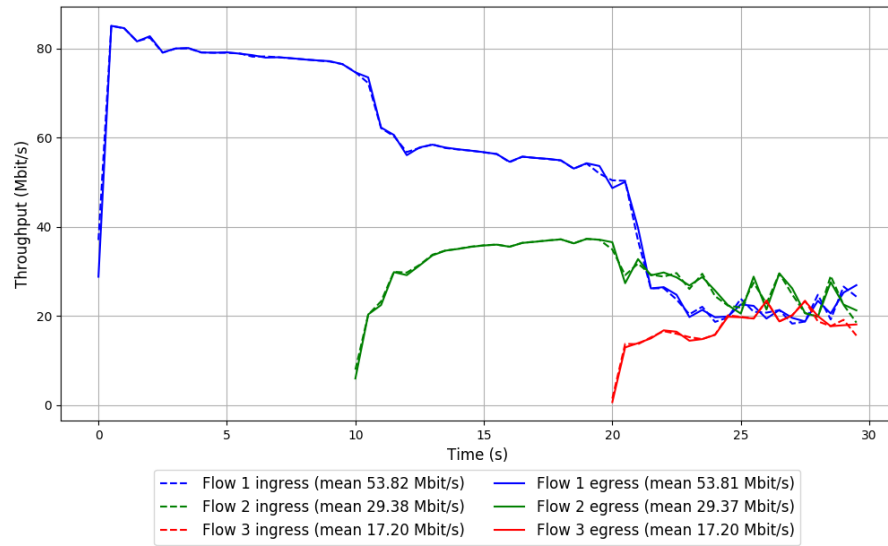
-- Flow 3:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 50.553 ms

Loss rate: 0.00%

## Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:27:03 +0000

End at: Sat, 29 Jul 2017 07:27:33 +0000

Local clock offset: 0.588 ms

Remote clock offset: -0.936 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 52.656 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 50.837 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 52.978 ms

Loss rate: 0.54%

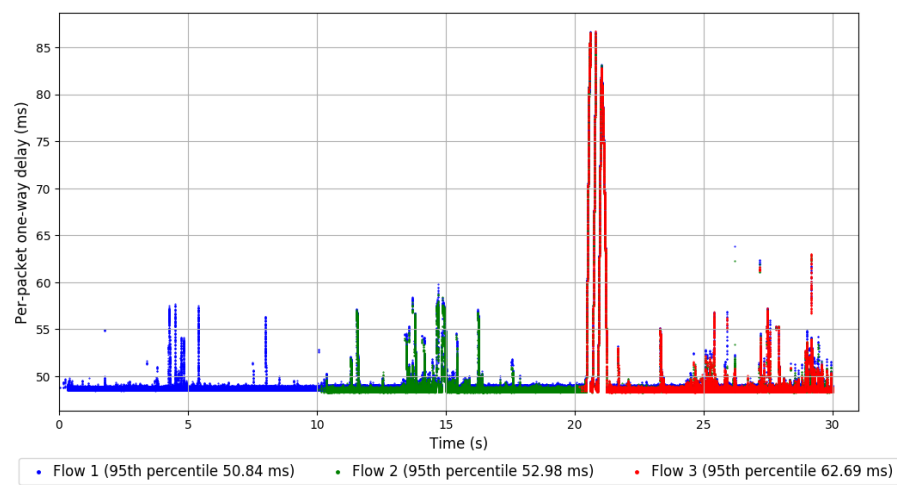
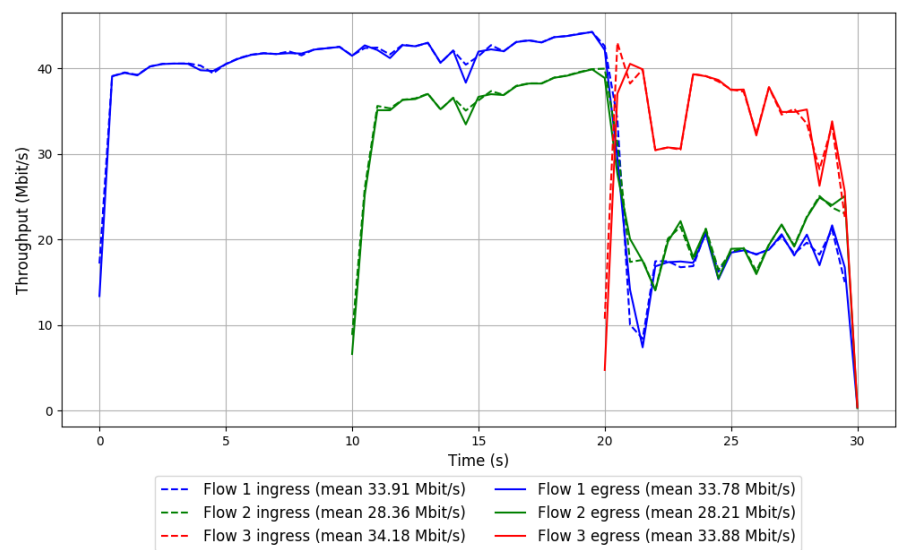
-- Flow 3:

Average throughput: 33.88 Mbit/s

95th percentile per-packet one-way delay: 62.686 ms

Loss rate: 0.88%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 04:27:46 +0000

End at: Sat, 29 Jul 2017 04:28:16 +0000

Local clock offset: -0.347 ms

Remote clock offset: -1.312 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.77 Mbit/s

95th percentile per-packet one-way delay: 57.205 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 28.32 Mbit/s

95th percentile per-packet one-way delay: 57.027 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 57.772 ms

Loss rate: 1.51%

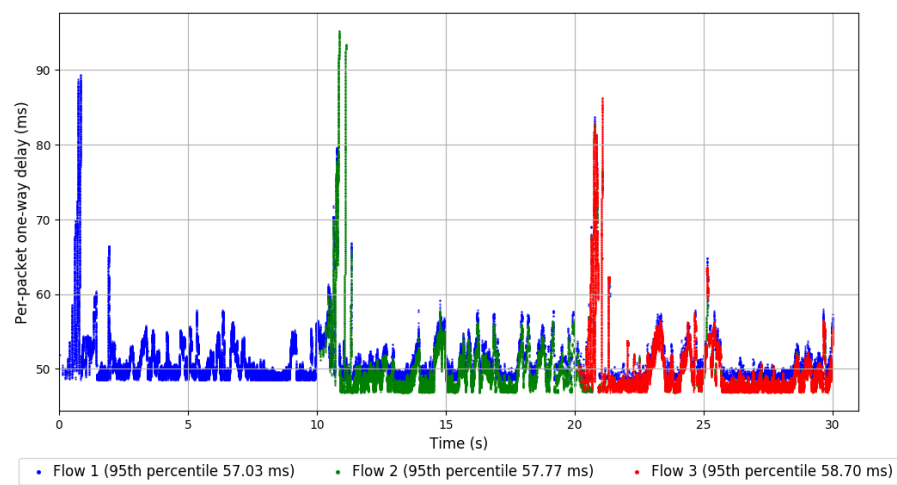
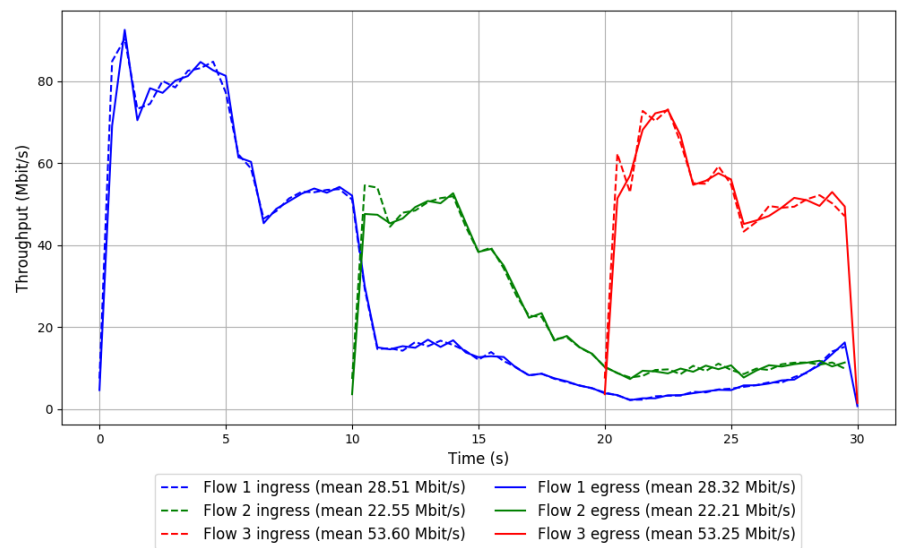
-- Flow 3:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 58.696 ms

Loss rate: 0.59%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 04:48:40 +0000

End at: Sat, 29 Jul 2017 04:49:10 +0000

Local clock offset: 0.044 ms

Remote clock offset: 1.59 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 86.011 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 79.301 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 85.252 ms

Loss rate: 1.49%

-- Flow 3:

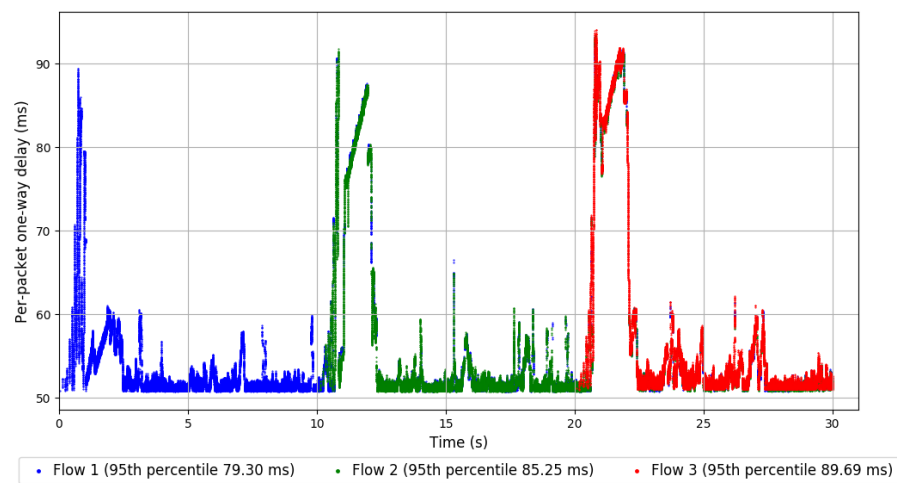
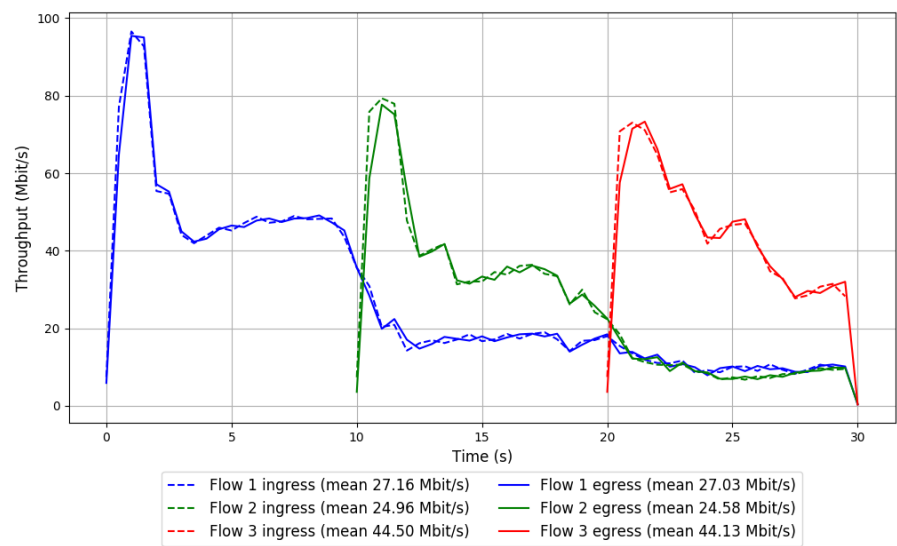
Average throughput: 44.13 Mbit/s

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

Loss rate: 1.00%



Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:09:28 +0000

End at: Sat, 29 Jul 2017 05:09:58 +0000

Local clock offset: 0.319 ms

Remote clock offset: -0.638 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.12 Mbit/s

95th percentile per-packet one-way delay: 66.087 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 51.13 Mbit/s

95th percentile per-packet one-way delay: 67.497 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 21.48 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 0.84%

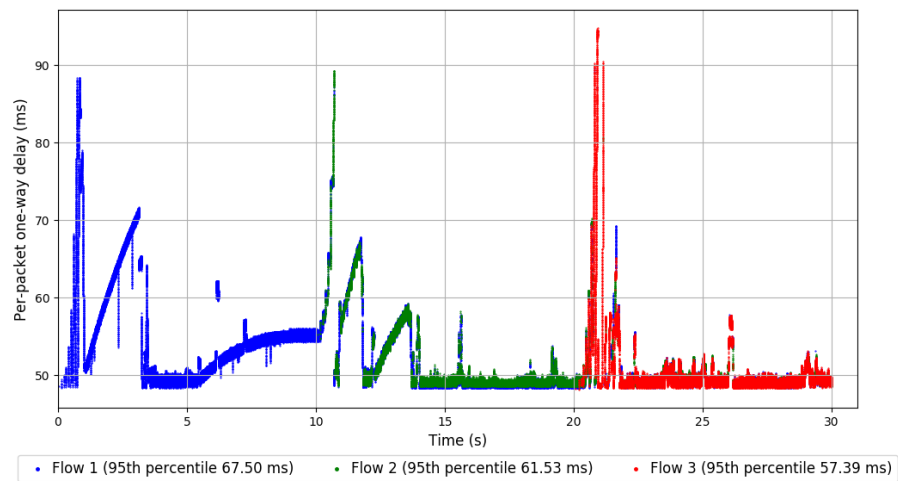
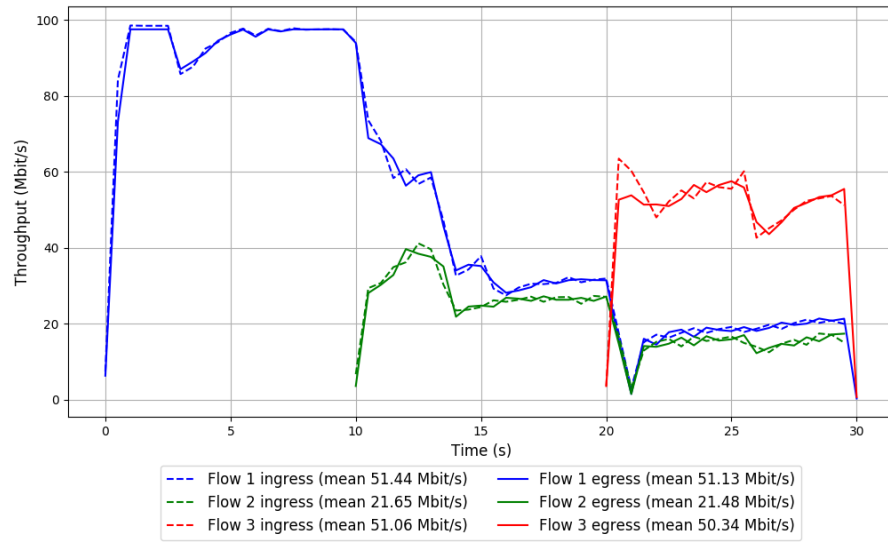
-- Flow 3:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 57.388 ms

Loss rate: 1.38%

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



Run 4: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:30:20 +0000

End at: Sat, 29 Jul 2017 05:30:50 +0000

Local clock offset: 0.527 ms

Remote clock offset: 2.06 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 77.949 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 16.62 Mbit/s

95th percentile per-packet one-way delay: 71.224 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 80.681 ms

Loss rate: 1.82%

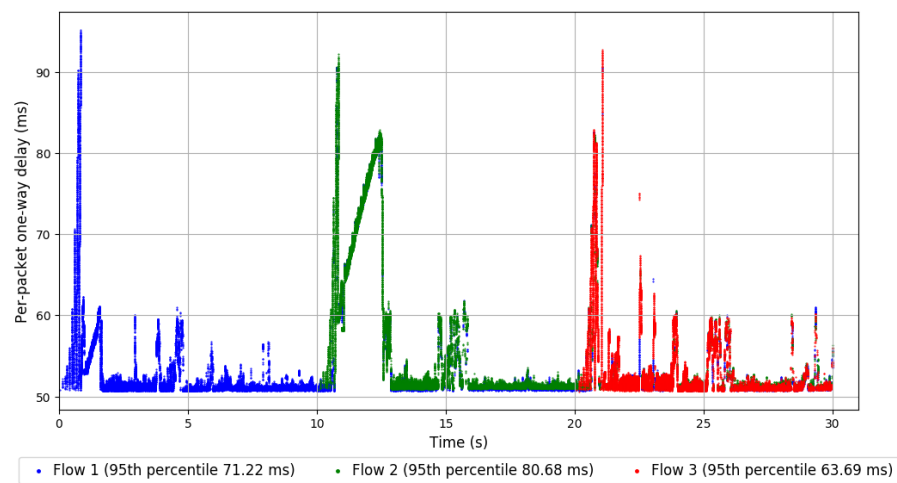
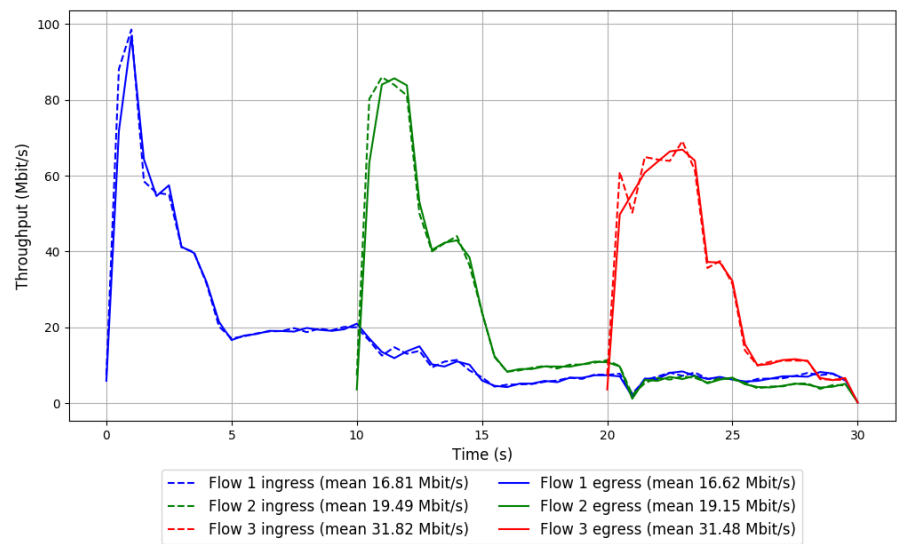
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 63.691 ms

Loss rate: 1.17%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:51:10 +0000

End at: Sat, 29 Jul 2017 05:51:40 +0000

Local clock offset: 0.545 ms

Remote clock offset: 1.603 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 74.568 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 74.271 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 73.958 ms

Loss rate: 1.17%

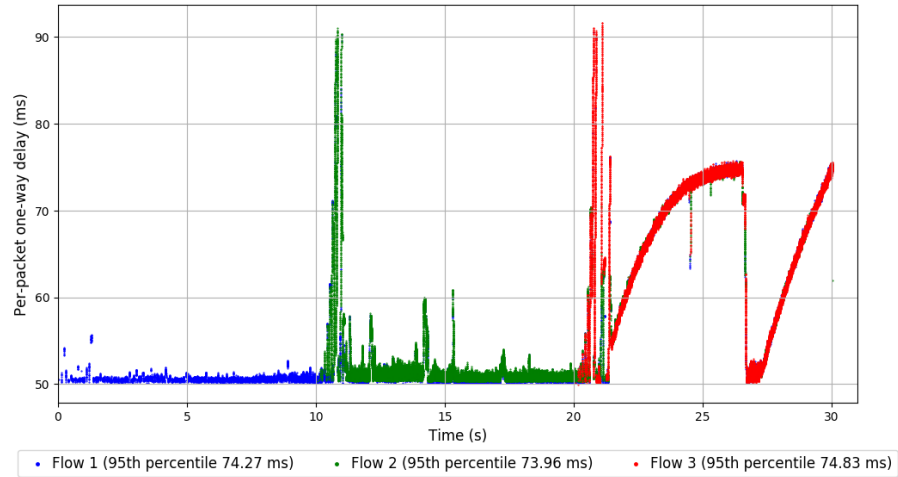
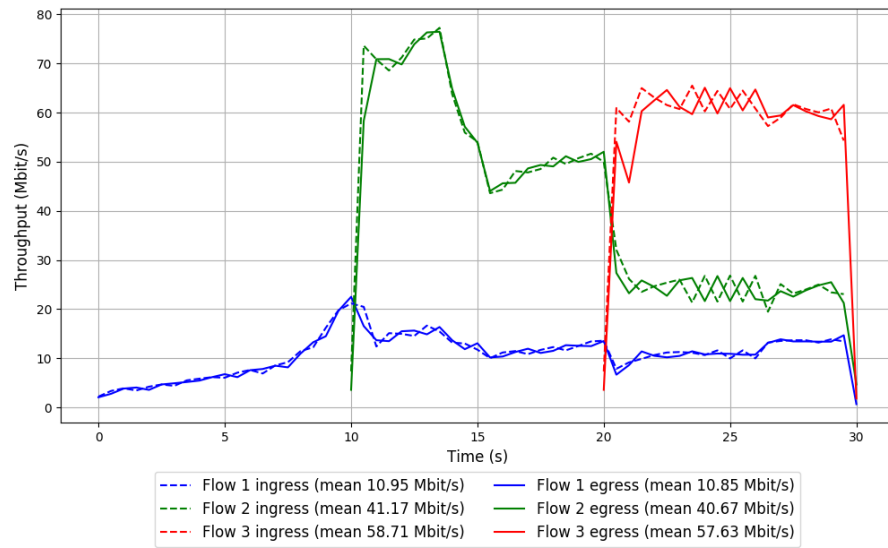
-- Flow 3:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 74.830 ms

Loss rate: 1.59%

# Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:12:08 +0000

End at: Sat, 29 Jul 2017 06:12:38 +0000

Local clock offset: 0.64 ms

Remote clock offset: 1.9 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 79.162 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 78.673 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 81.582 ms

Loss rate: 0.74%

-- Flow 3:

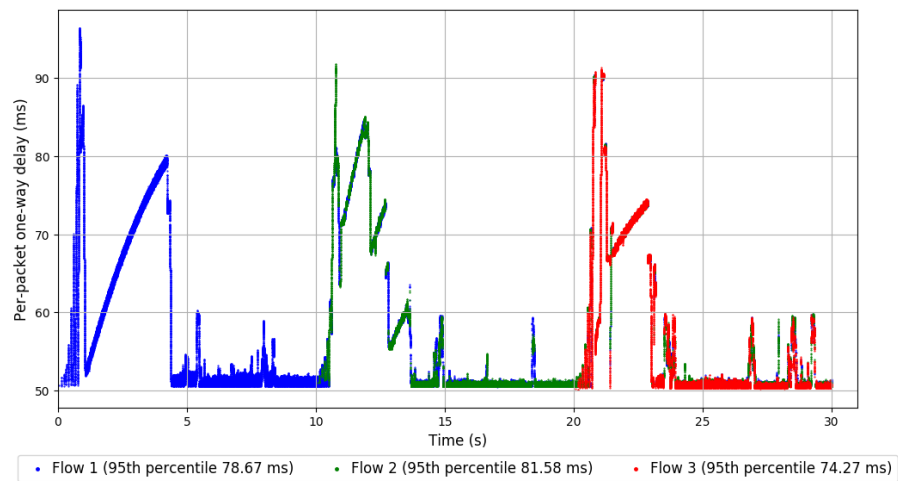
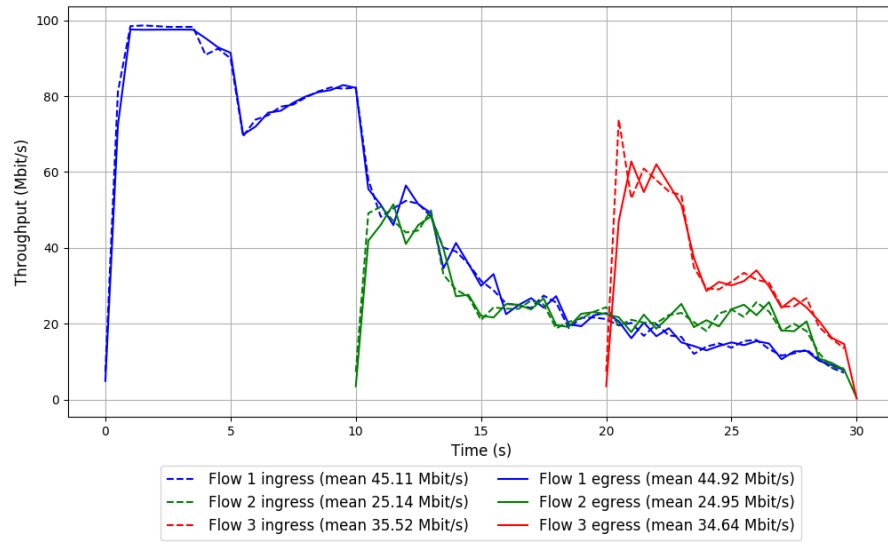
Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 74.270 ms

Loss rate: 2.64%



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



Run 7: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:33:02 +0000

End at: Sat, 29 Jul 2017 06:33:32 +0000

Local clock offset: 0.594 ms

Remote clock offset: 2.084 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:50:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 76.435 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 76.164 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 74.385 ms

Loss rate: 0.55%

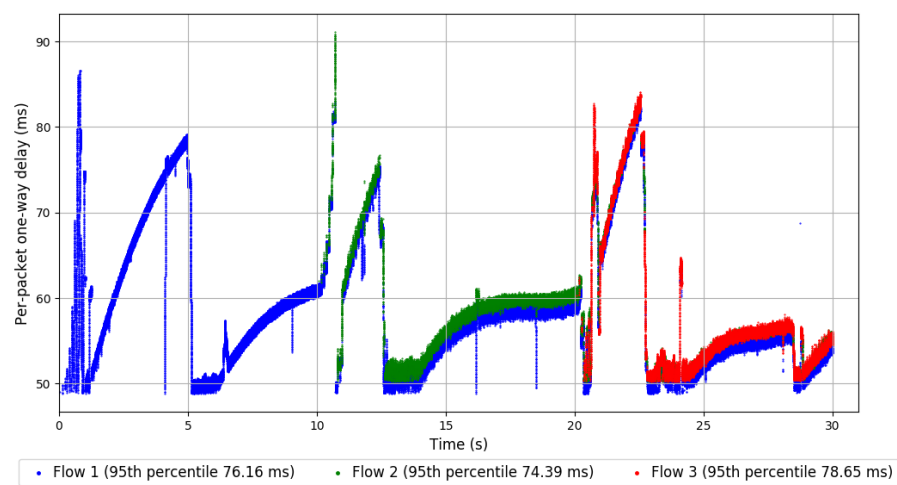
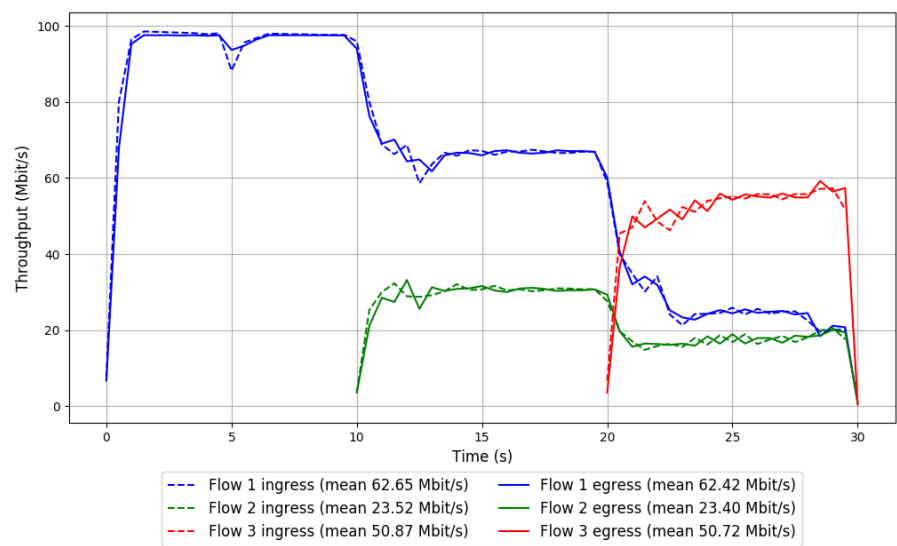
-- Flow 3:

Average throughput: 50.72 Mbit/s

95th percentile per-packet one-way delay: 78.648 ms

Loss rate: 0.56%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:53:51 +0000

End at: Sat, 29 Jul 2017 06:54:21 +0000

Local clock offset: 0.689 ms

Remote clock offset: 1.981 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 75.614 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 69.17 Mbit/s

95th percentile per-packet one-way delay: 75.319 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 76.419 ms

Loss rate: 0.48%

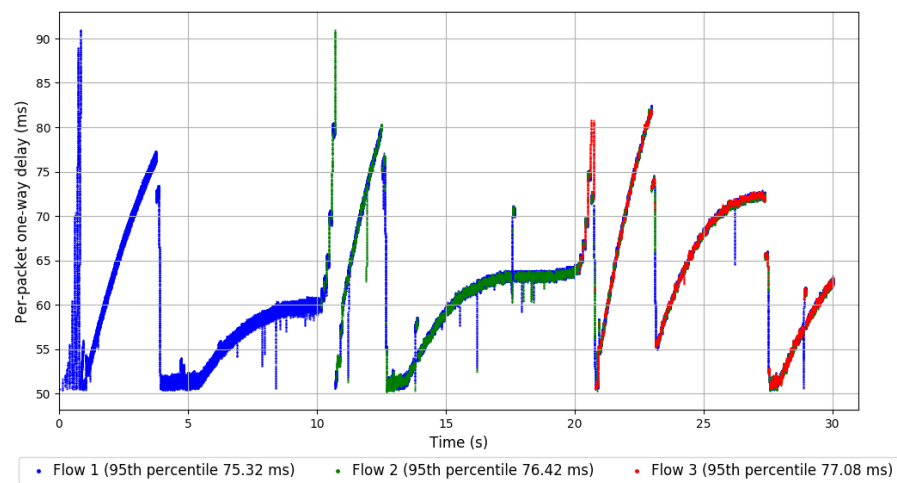
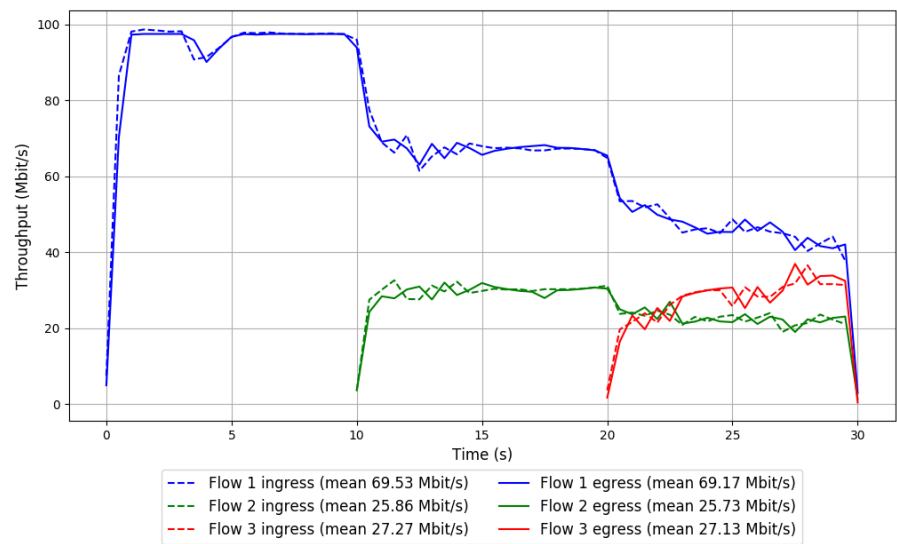
-- Flow 3:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 77.084 ms

Loss rate: 0.51%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:14:44 +0000

End at: Sat, 29 Jul 2017 07:15:14 +0000

Local clock offset: 0.62 ms

Remote clock offset: 1.787 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.13 Mbit/s

95th percentile per-packet one-way delay: 72.033 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 70.784 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 27.34 Mbit/s

95th percentile per-packet one-way delay: 76.276 ms

Loss rate: 0.87%

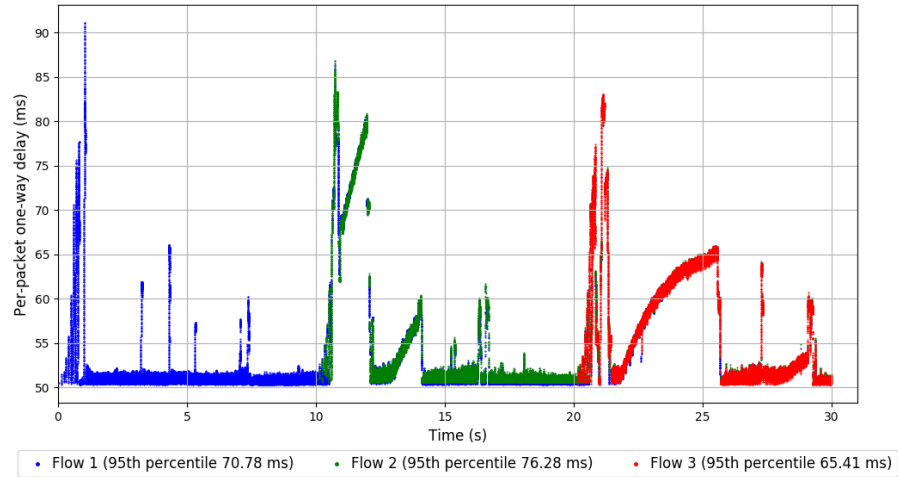
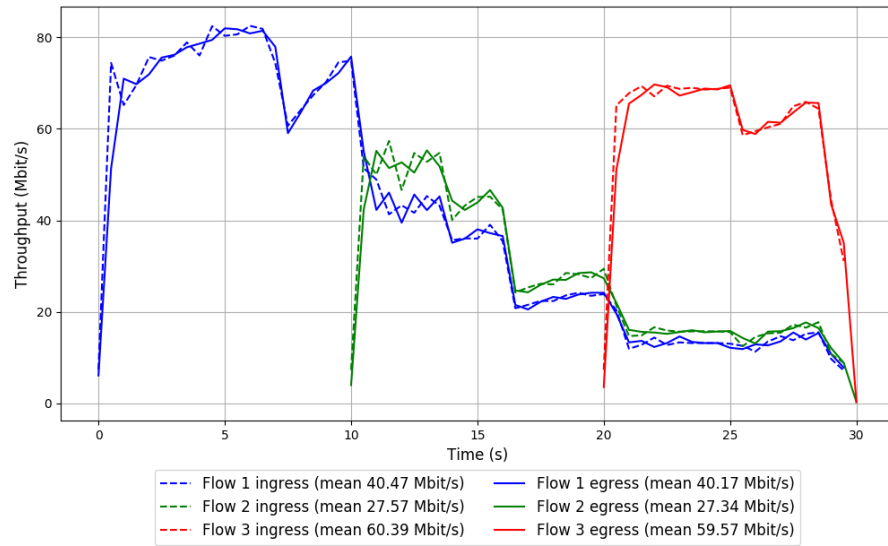
-- Flow 3:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 65.414 ms

Loss rate: 1.38%

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



Run 10: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:35:35 +0000

End at: Sat, 29 Jul 2017 07:36:05 +0000

Local clock offset: 0.63 ms

Remote clock offset: 0.592 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 81.889 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 81.138 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 84.061 ms

Loss rate: 0.52%

-- Flow 3:

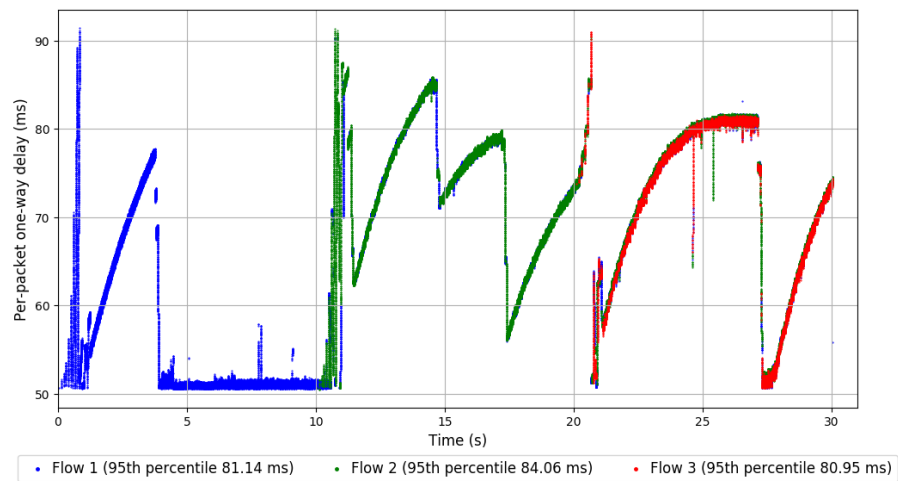
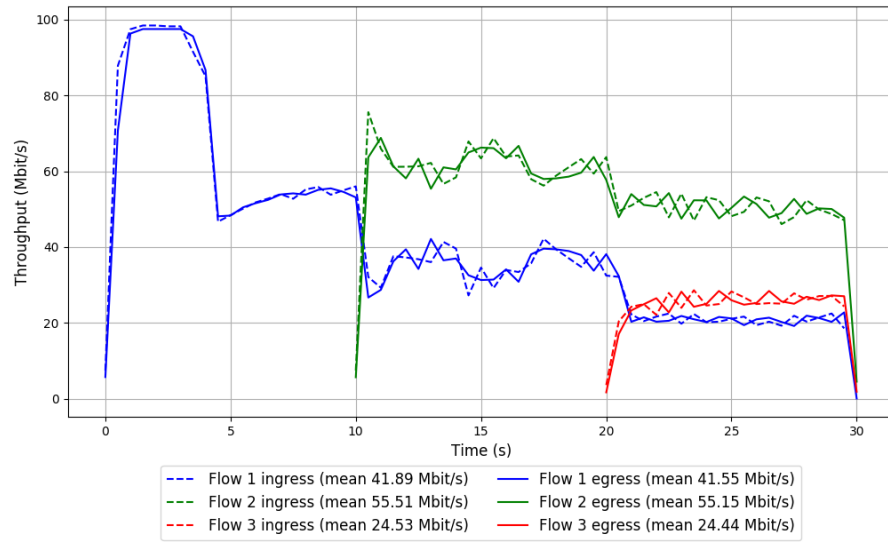
Average throughput: 24.44 Mbit/s

95th percentile per-packet one-way delay: 80.954 ms

Loss rate: 0.36%



# Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:23:32 +0000

End at: Sat, 29 Jul 2017 04:24:02 +0000

Local clock offset: -0.438 ms

Remote clock offset: 0.621 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 51.660 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 51.726 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 50.394 ms

Loss rate: 0.16%

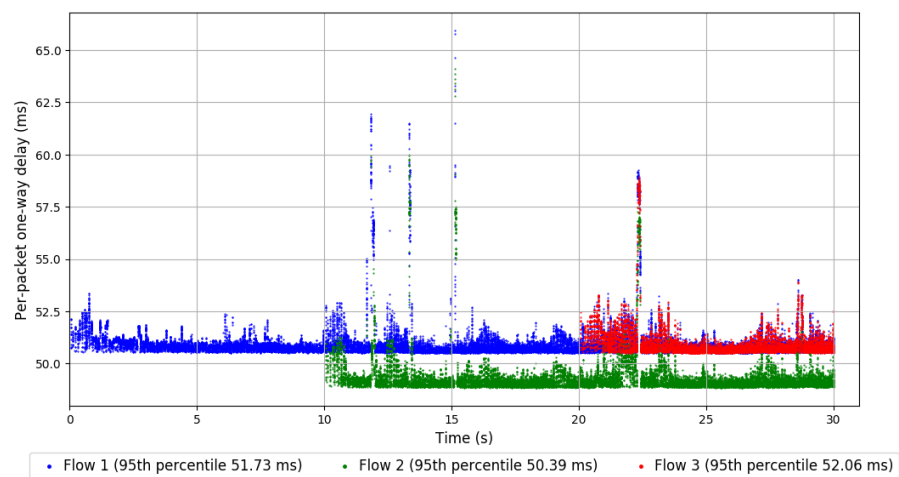
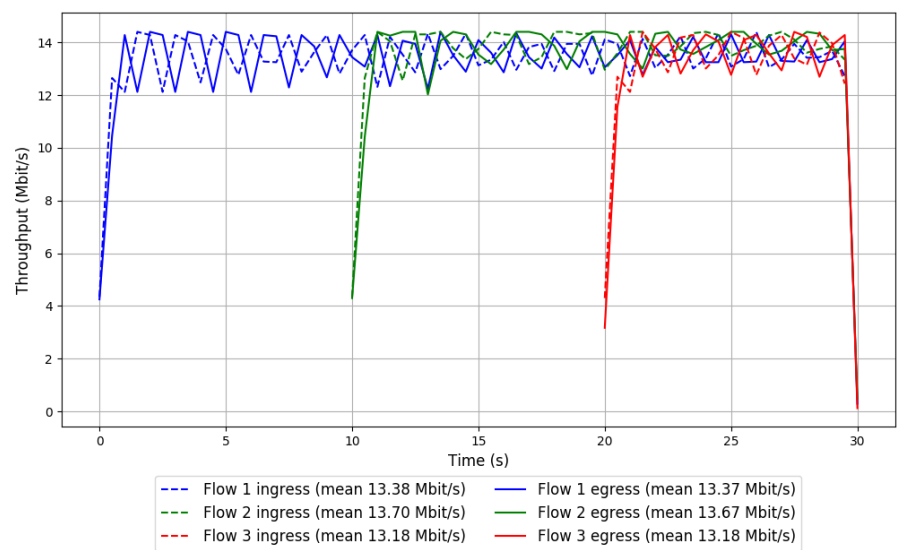
-- Flow 3:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 52.059 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:44:23 +0000

End at: Sat, 29 Jul 2017 04:44:53 +0000

Local clock offset: -0.05 ms

Remote clock offset: 0.977 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 54.860 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 54.743 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 55.128 ms

Loss rate: 0.28%

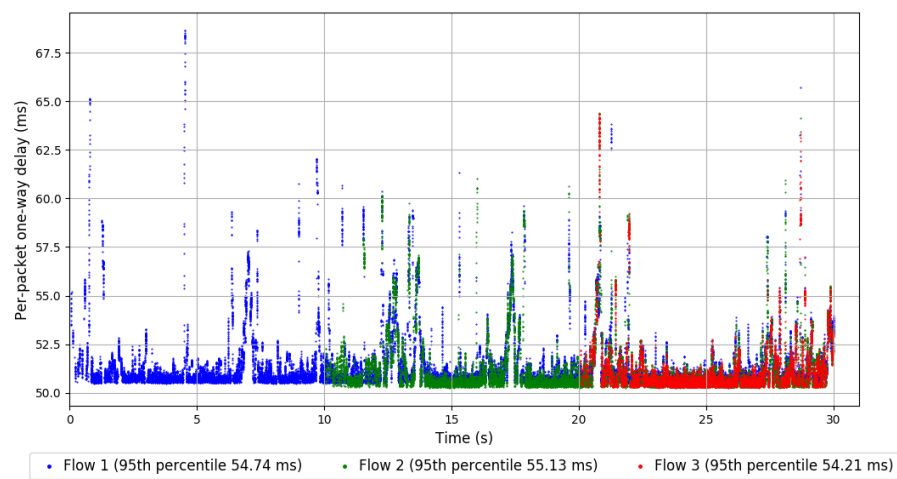
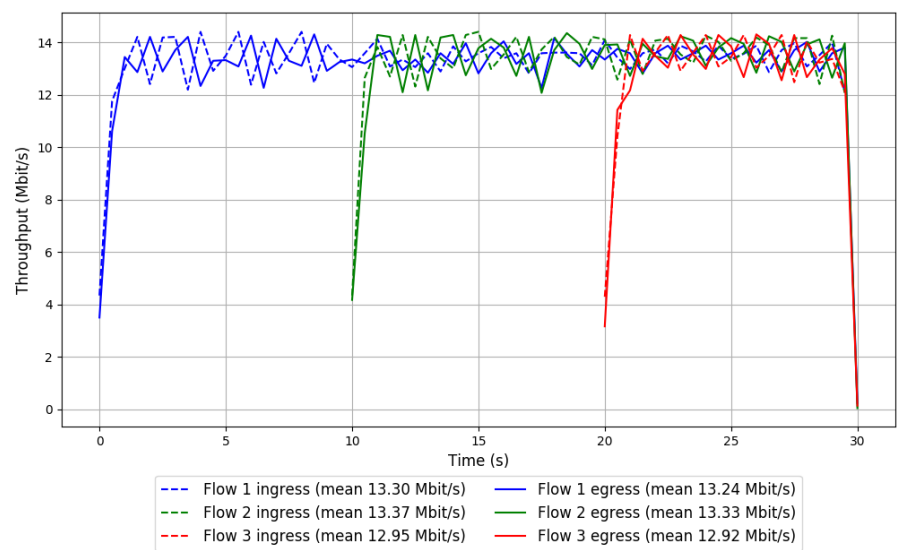
-- Flow 3:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 54.212 ms

Loss rate: 0.23%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

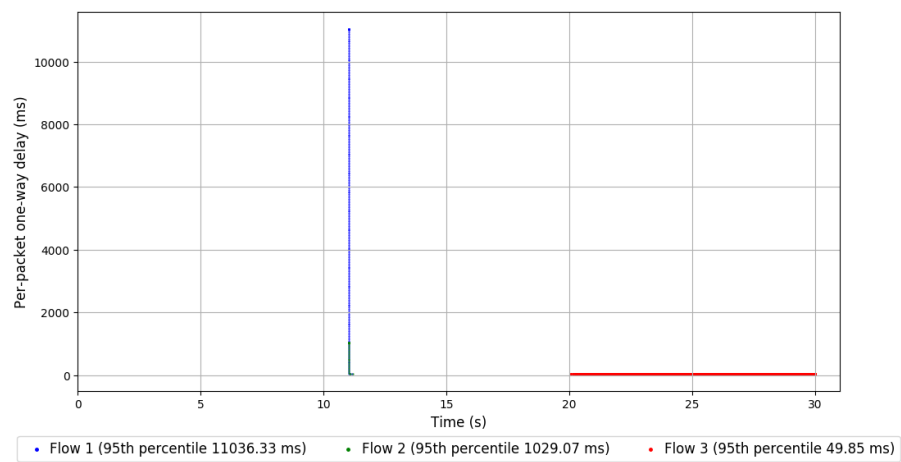
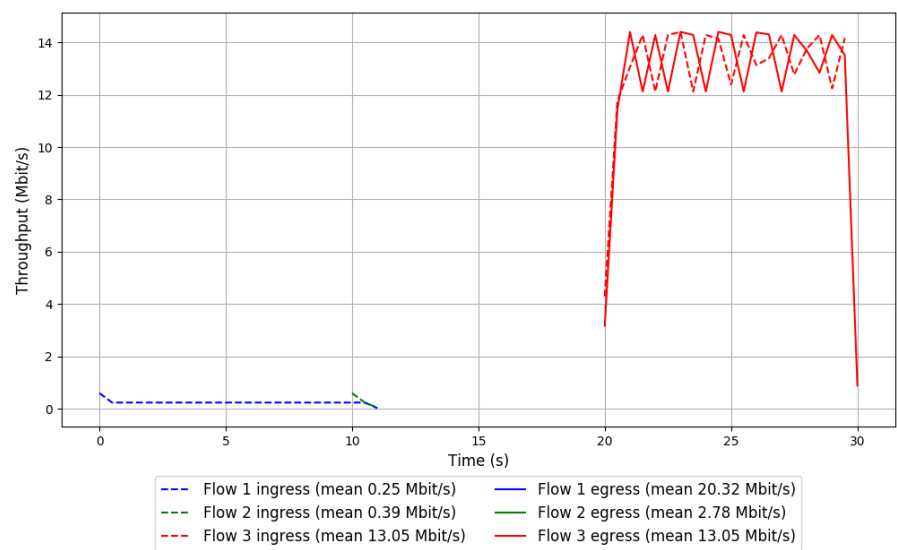
Start at: Sat, 29 Jul 2017 05:05:13 +0000

End at: Sat, 29 Jul 2017 05:05:43 +0000

Local clock offset: 0.254 ms

Remote clock offset: -0.827 ms

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:26:01 +0000

End at: Sat, 29 Jul 2017 05:26:31 +0000

Local clock offset: 0.407 ms

Remote clock offset: 1.456 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 53.203 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 54.291 ms

Loss rate: 0.07%

-- Flow 3:

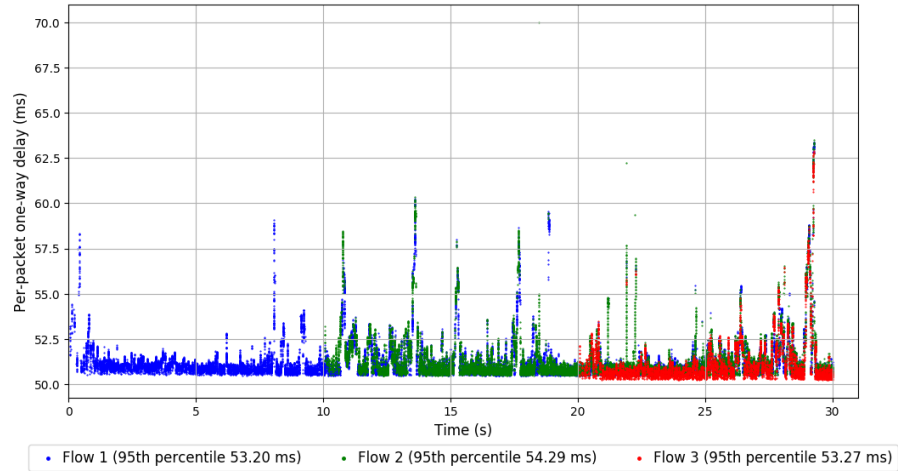
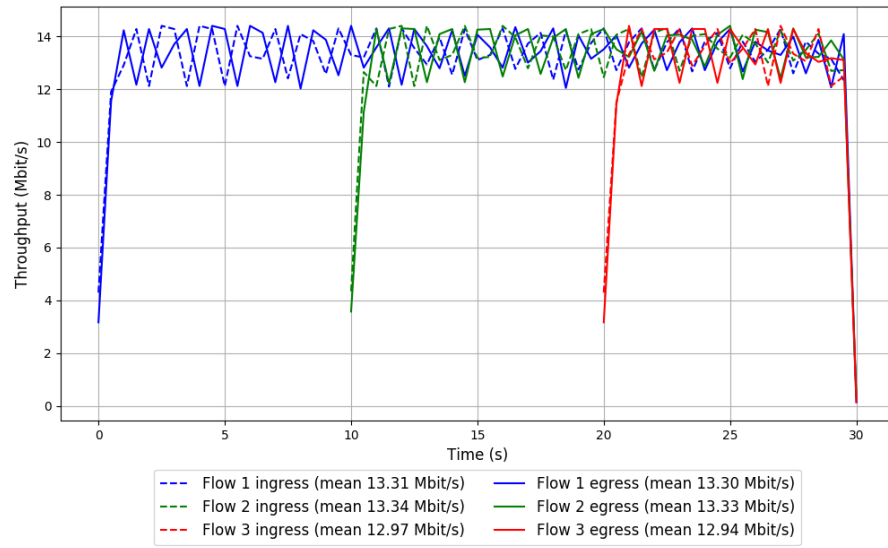
Average throughput: 12.94 Mbit/s

95th percentile per-packet one-way delay: 53.267 ms

Loss rate: 0.18%



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



Run 5: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:46:54 +0000

End at: Sat, 29 Jul 2017 05:47:24 +0000

Local clock offset: 0.46 ms

Remote clock offset: -0.5 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 49.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 49.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 49.519 ms

Loss rate: 0.00%

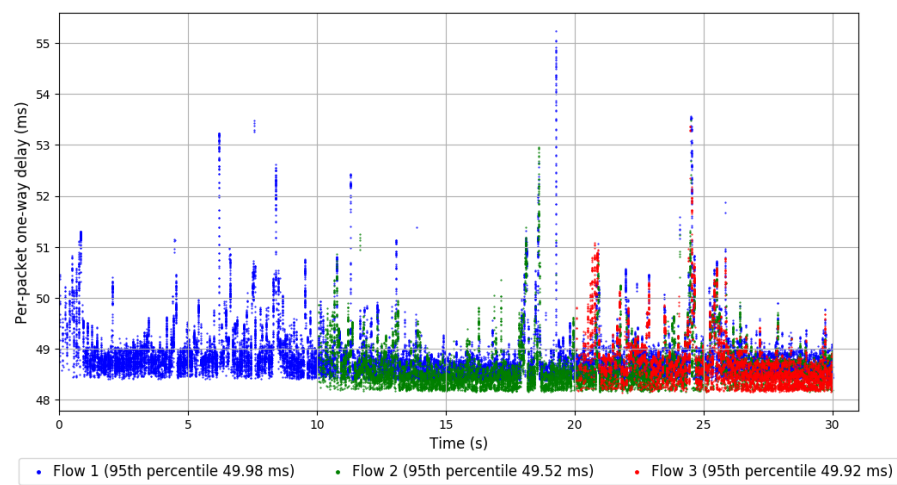
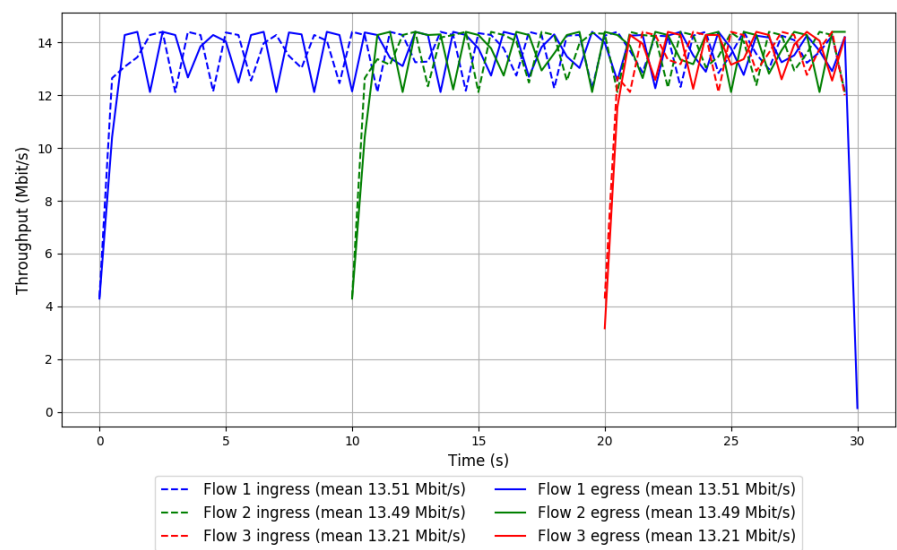
-- Flow 3:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 49.925 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

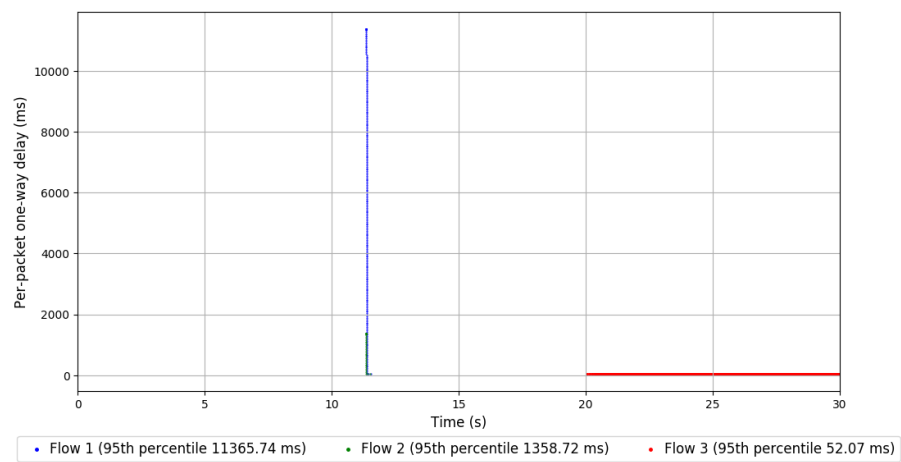
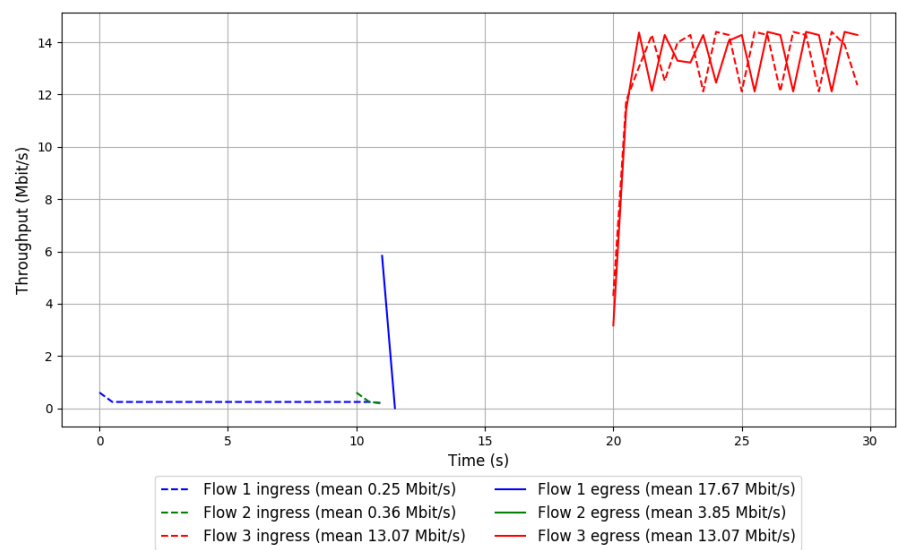
Start at: Sat, 29 Jul 2017 06:07:51 +0000

End at: Sat, 29 Jul 2017 06:08:21 +0000

Local clock offset: 0.535 ms

Remote clock offset: 2.239 ms

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:28:46 +0000

End at: Sat, 29 Jul 2017 06:29:16 +0000

Local clock offset: 0.664 ms

Remote clock offset: 2.554 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.62 Mbit/s

95th percentile per-packet one-way delay: 52.098 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 52.316 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 51.707 ms

Loss rate: 0.00%

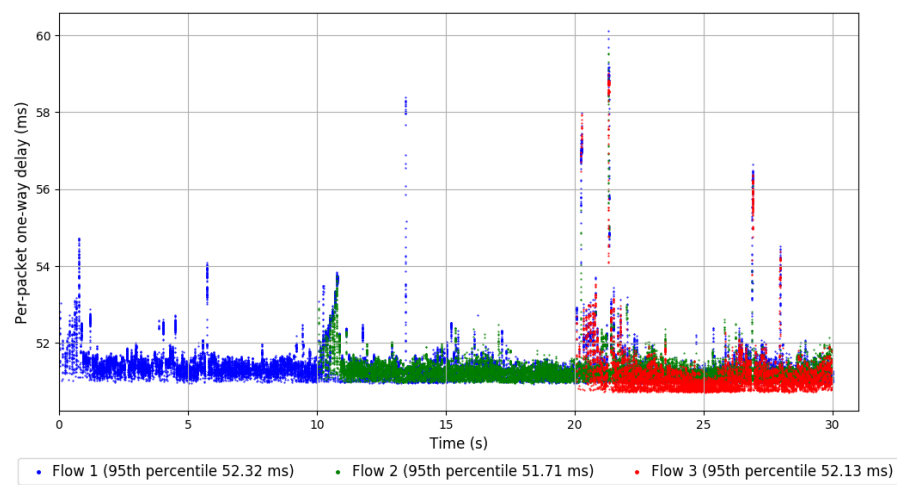
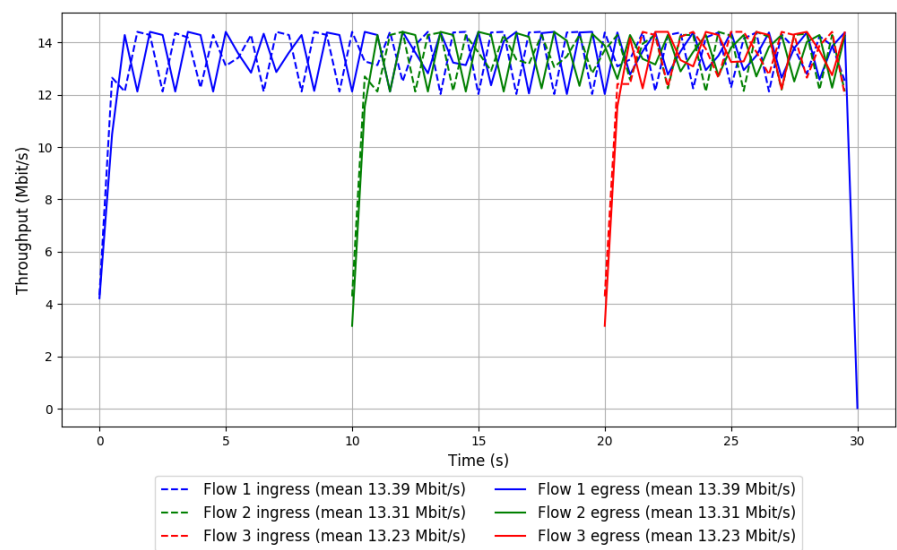
-- Flow 3:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 52.132 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:49:35 +0000

End at: Sat, 29 Jul 2017 06:50:05 +0000

Local clock offset: 0.673 ms

Remote clock offset: 0.082 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 49.630 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 49.375 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 49.891 ms

Loss rate: 0.07%

-- Flow 3:

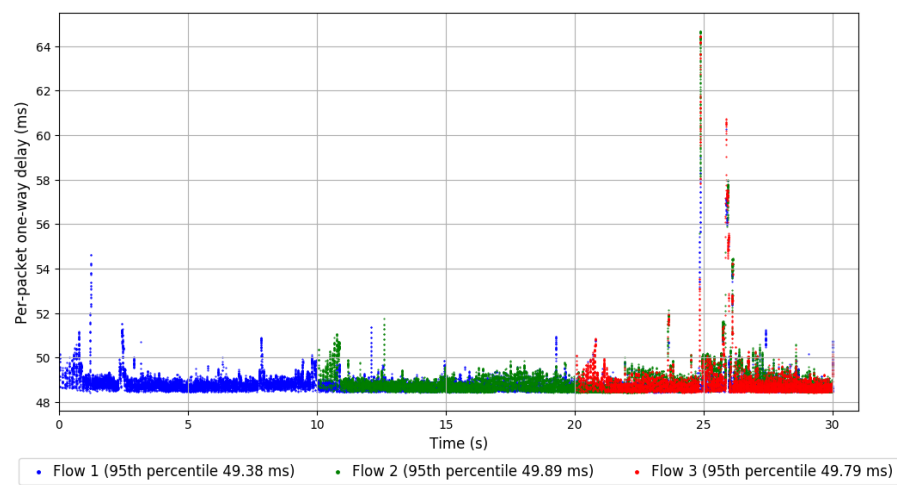
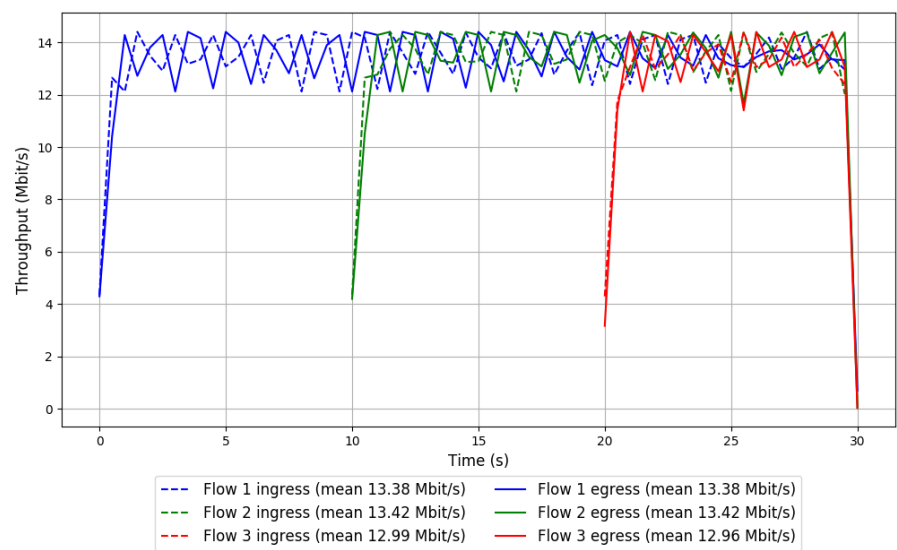
Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 49.790 ms

Loss rate: 0.28%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:10:28 +0000

End at: Sat, 29 Jul 2017 07:10:58 +0000

Local clock offset: 0.718 ms

Remote clock offset: 1.82 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.92 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 49.741 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 51.438 ms

Loss rate: 0.00%

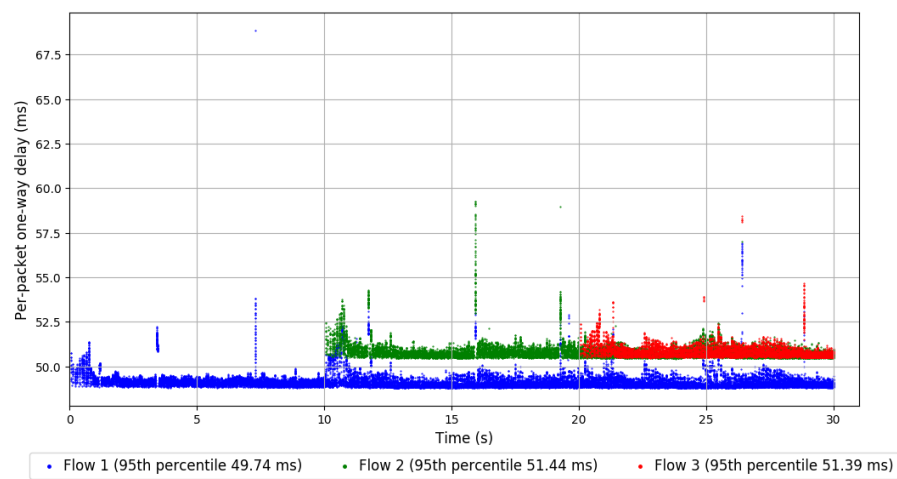
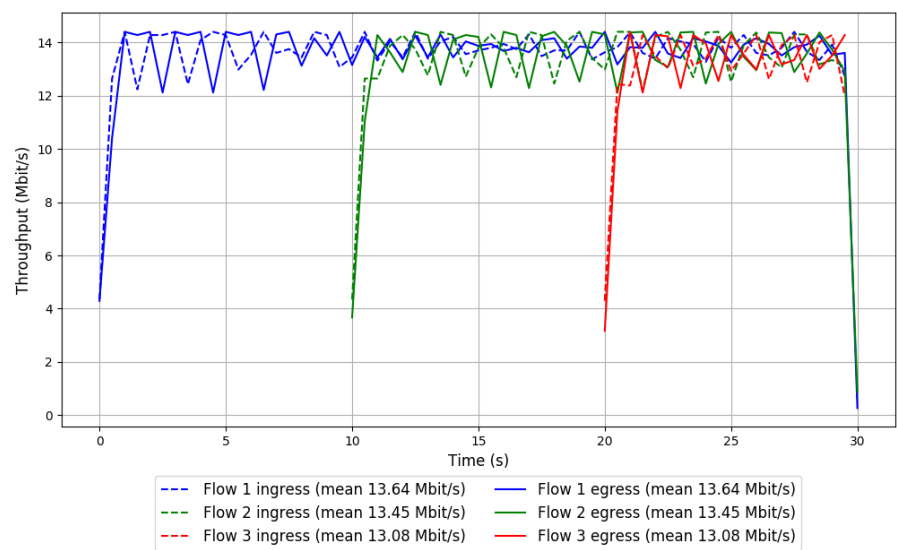
-- Flow 3:

Average throughput: 13.08 Mbit/s

95th percentile per-packet one-way delay: 51.386 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:31:19 +0000

End at: Sat, 29 Jul 2017 07:31:49 +0000

Local clock offset: 0.689 ms

Remote clock offset: 0.939 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.97 Mbit/s

95th percentile per-packet one-way delay: 51.134 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 49.905 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 51.469 ms

Loss rate: 0.00%

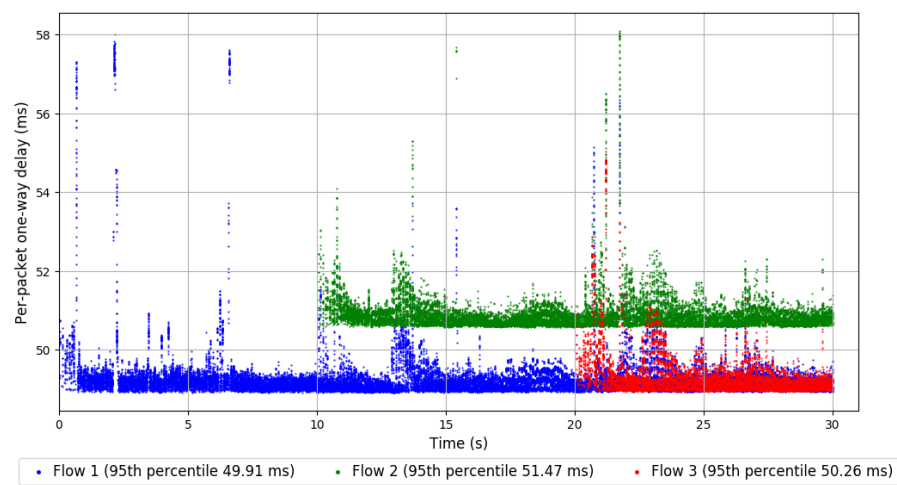
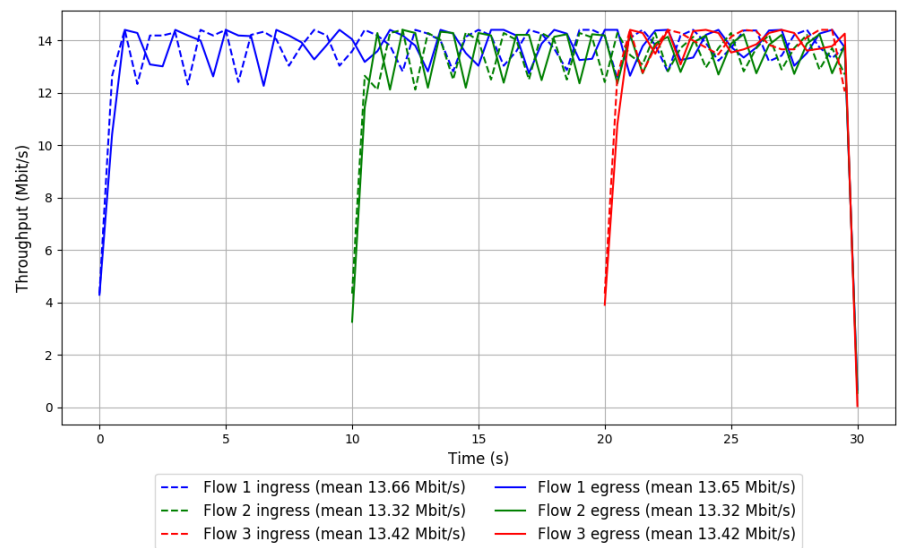
-- Flow 3:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 50.263 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:38:46 +0000

End at: Sat, 29 Jul 2017 04:39:16 +0000

Local clock offset: -0.055 ms

Remote clock offset: 0.989 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 57.175 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 14.72 Mbit/s

95th percentile per-packet one-way delay: 56.708 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 57.312 ms

Loss rate: 0.11%

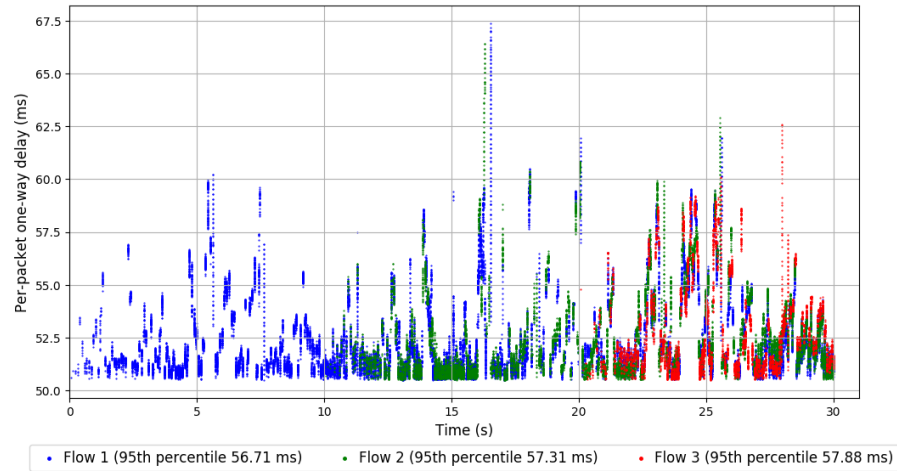
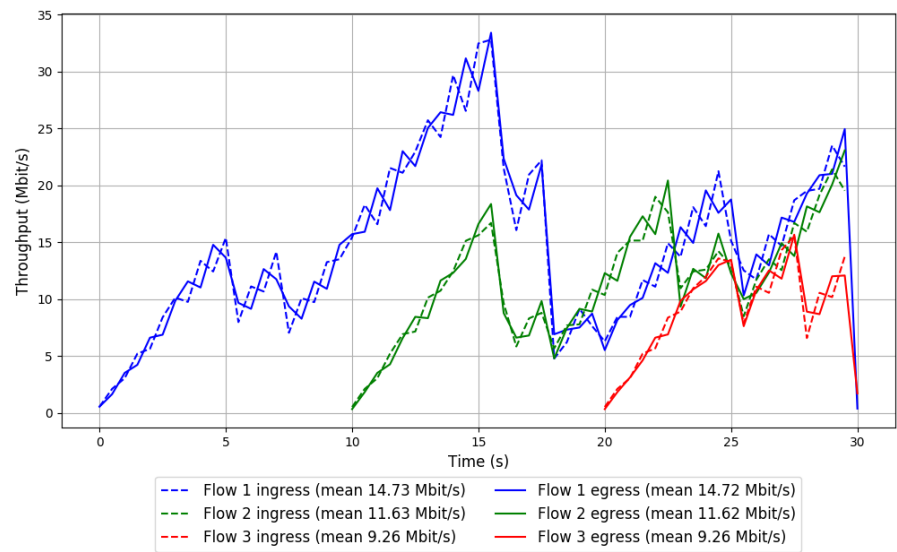
-- Flow 3:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 57.883 ms

Loss rate: 0.06%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:59:35 +0000

End at: Sat, 29 Jul 2017 05:00:05 +0000

Local clock offset: 0.282 ms

Remote clock offset: -0.809 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 54.691 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 54.123 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.11%

-- Flow 3:

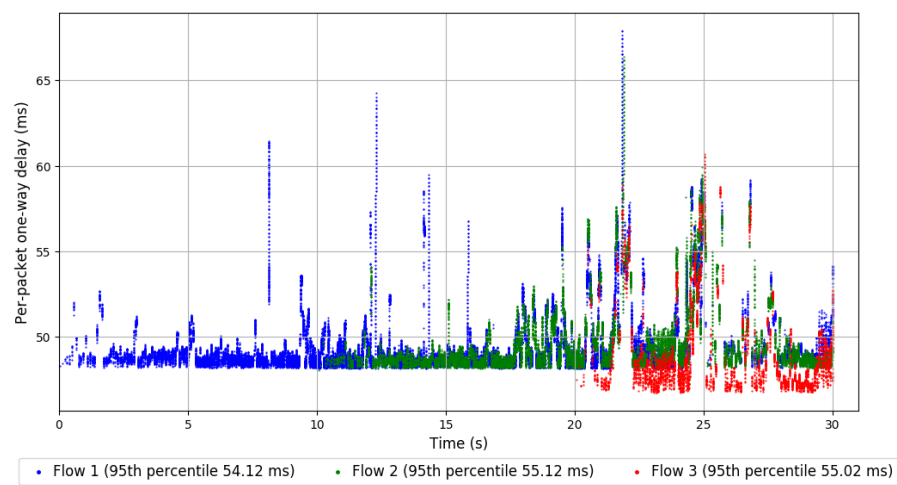
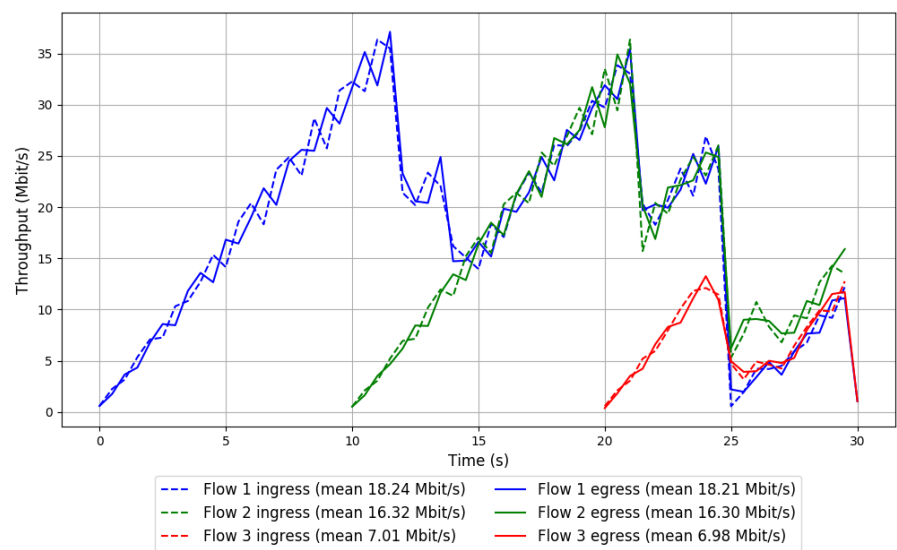
Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 55.016 ms

Loss rate: 0.37%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:20:25 +0000

End at: Sat, 29 Jul 2017 05:20:55 +0000

Local clock offset: 0.492 ms

Remote clock offset: 1.875 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 54.377 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 18.42 Mbit/s

95th percentile per-packet one-way delay: 53.636 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 55.056 ms

Loss rate: 0.09%

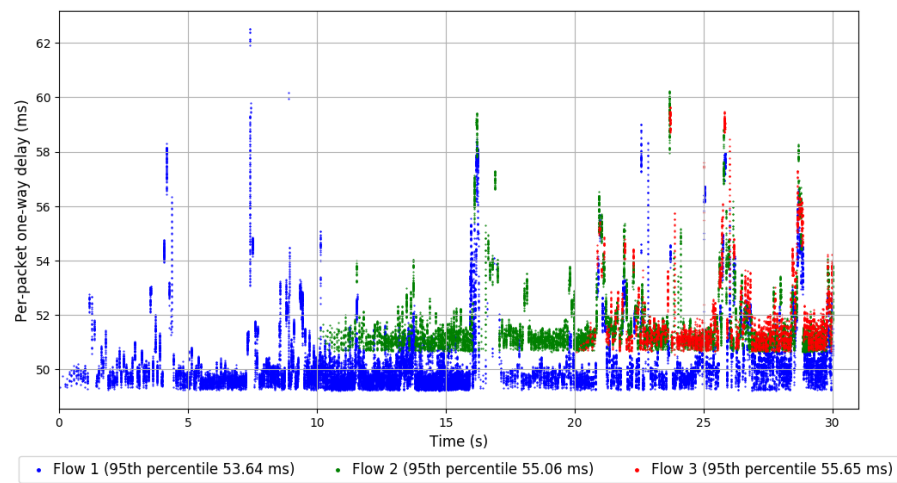
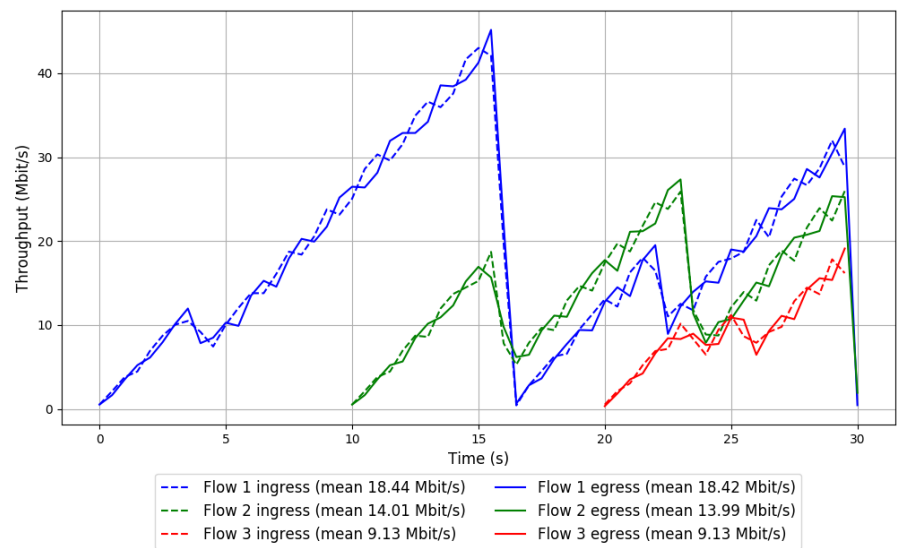
-- Flow 3:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 55.651 ms

Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:41:15 +0000

End at: Sat, 29 Jul 2017 05:41:45 +0000

Local clock offset: 0.449 ms

Remote clock offset: 2.147 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.48 Mbit/s

95th percentile per-packet one-way delay: 55.695 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 55.528 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 56.406 ms

Loss rate: 0.06%

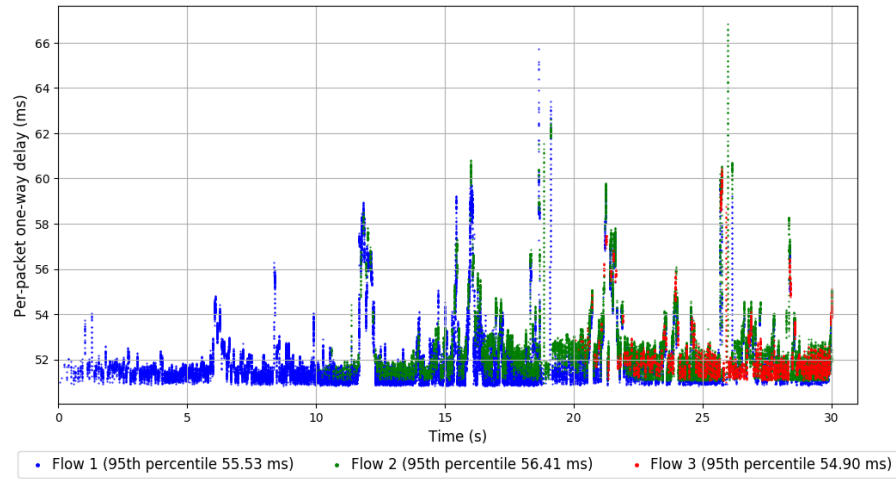
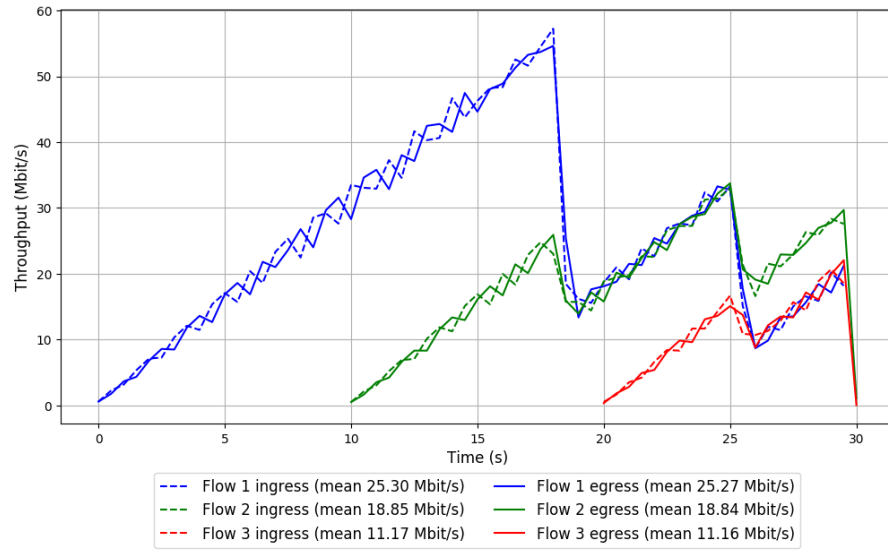
-- Flow 3:

Average throughput: 11.16 Mbit/s

95th percentile per-packet one-way delay: 54.897 ms

Loss rate: 0.02%

# Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:02:09 +0000

End at: Sat, 29 Jul 2017 06:02:39 +0000

Local clock offset: 0.497 ms

Remote clock offset: 2.117 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 45.84 Mbit/s

95th percentile per-packet one-way delay: 61.672 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 60.646 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 63.979 ms

Loss rate: 0.09%

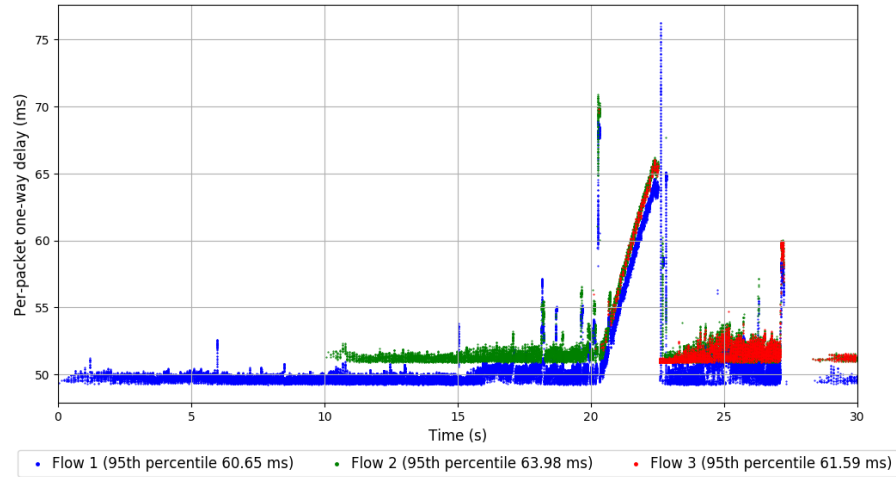
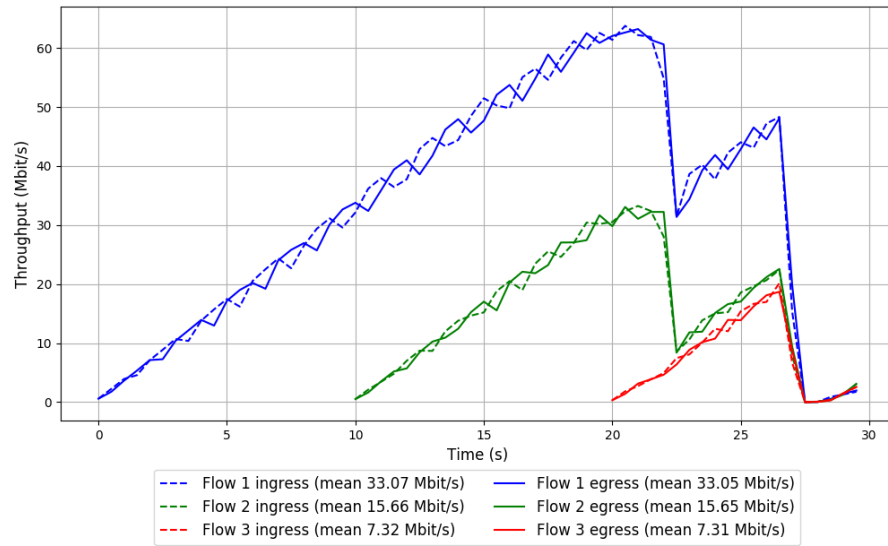
-- Flow 3:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 61.592 ms

Loss rate: 0.31%

## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:23:05 +0000

End at: Sat, 29 Jul 2017 06:23:35 +0000

Local clock offset: 0.59 ms

Remote clock offset: -0.125 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 63.750 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 36.65 Mbit/s

95th percentile per-packet one-way delay: 63.201 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 22.12 Mbit/s

95th percentile per-packet one-way delay: 64.054 ms

Loss rate: 0.06%

-- Flow 3:

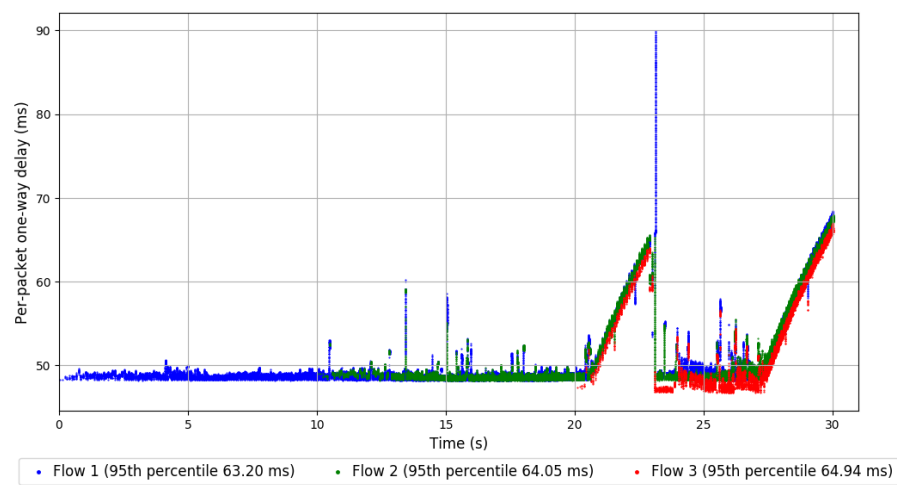
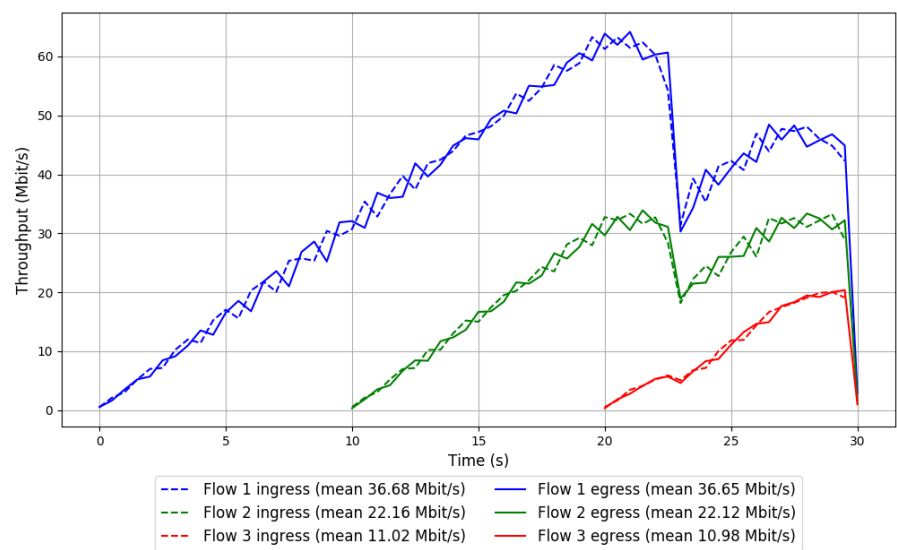
Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 64.937 ms

Loss rate: 0.12%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:43:56 +0000

End at: Sat, 29 Jul 2017 06:44:26 +0000

Local clock offset: 0.708 ms

Remote clock offset: 0.19 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 55.78 Mbit/s

95th percentile per-packet one-way delay: 82.901 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 35.17 Mbit/s

95th percentile per-packet one-way delay: 82.410 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 82.995 ms

Loss rate: 0.00%

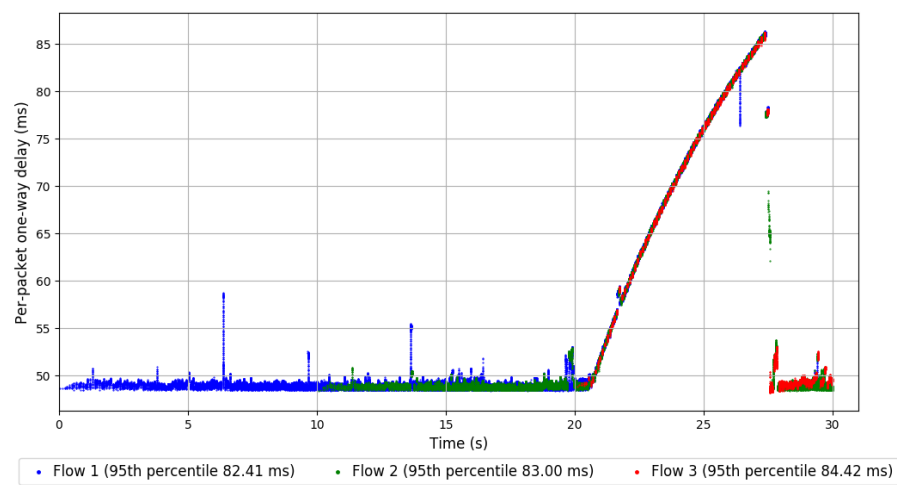
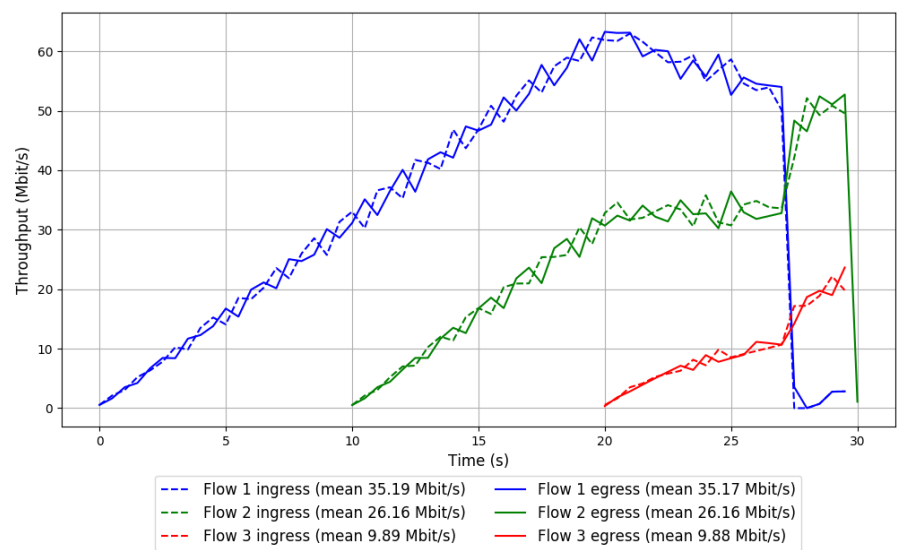
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 84.424 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:04:49 +0000

End at: Sat, 29 Jul 2017 07:05:19 +0000

Local clock offset: 0.703 ms

Remote clock offset: -0.268 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:51:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 61.468 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 18.88 Mbit/s

95th percentile per-packet one-way delay: 59.798 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 62.186 ms

Loss rate: 0.05%

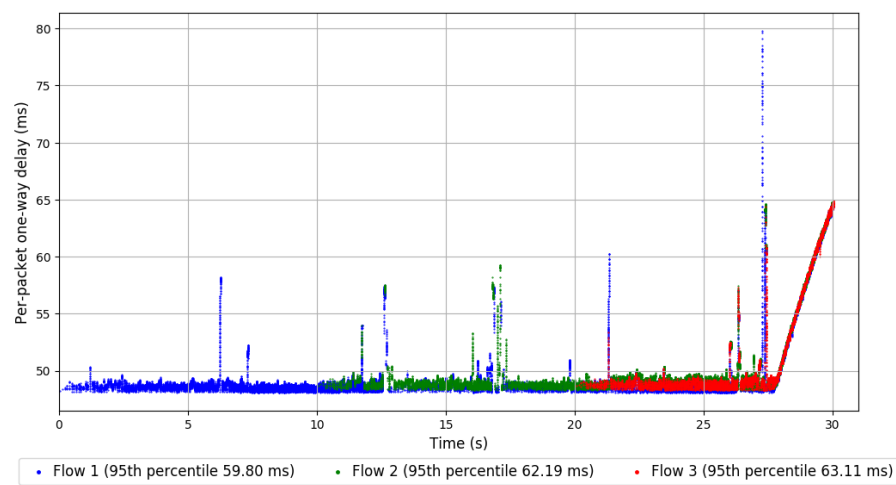
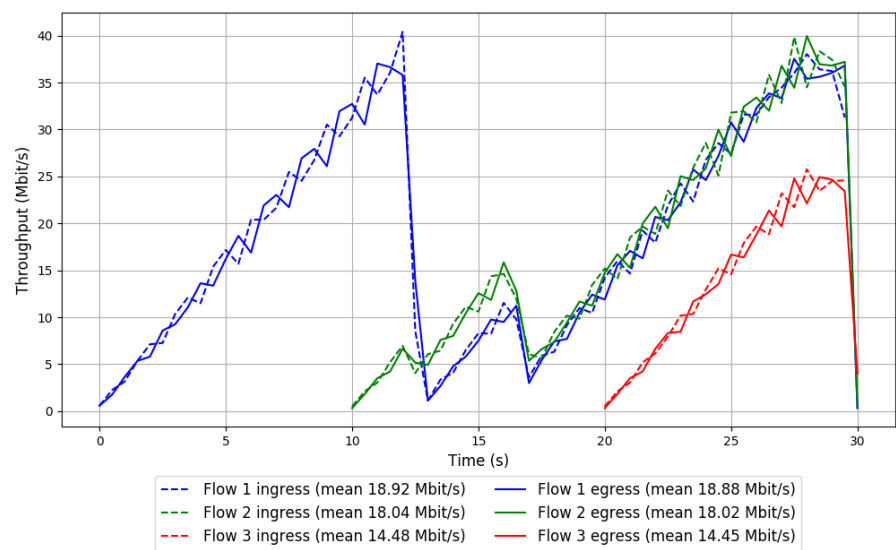
-- Flow 3:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 63.111 ms

Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:25:40 +0000

End at: Sat, 29 Jul 2017 07:26:10 +0000

Local clock offset: 0.604 ms

Remote clock offset: 1.291 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 64.803 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 34.47 Mbit/s

95th percentile per-packet one-way delay: 63.809 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 64.257 ms

Loss rate: 0.12%

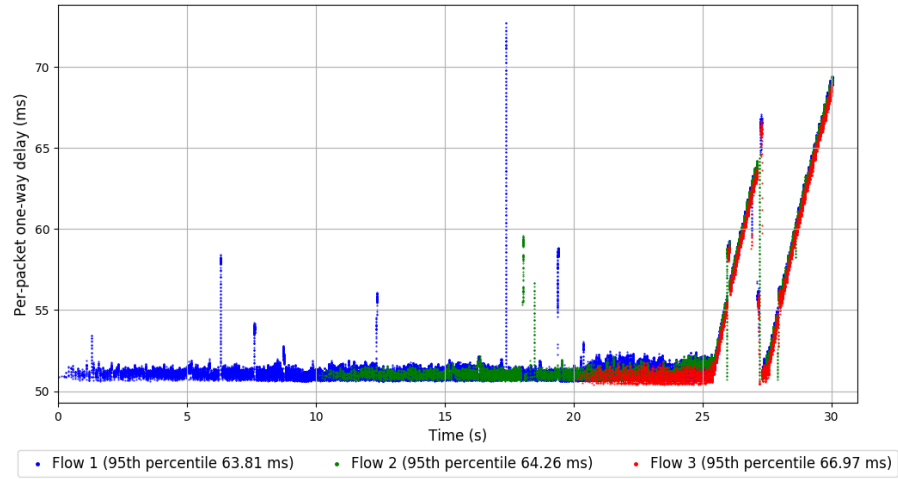
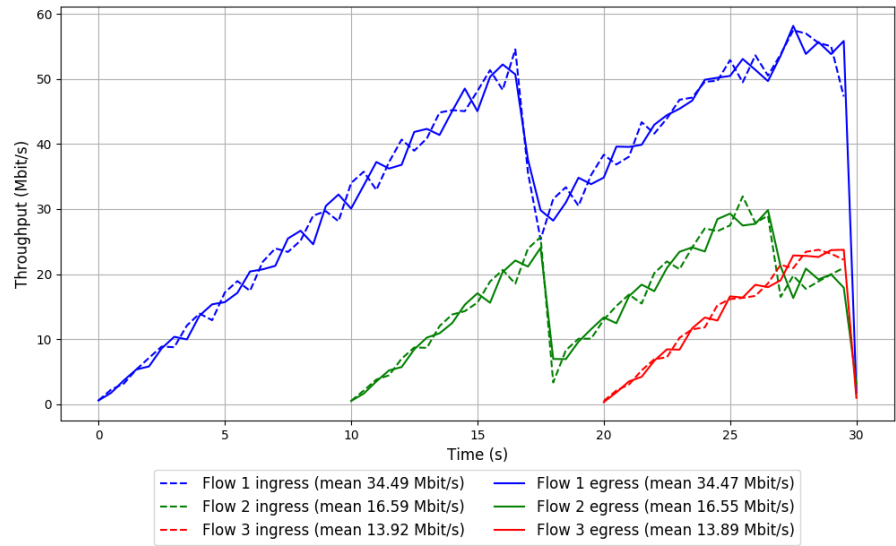
-- Flow 3:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 66.975 ms

Loss rate: 0.00%

# Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:46:32 +0000

End at: Sat, 29 Jul 2017 07:47:02 +0000

Local clock offset: 0.596 ms

Remote clock offset: -2.084 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.73 Mbit/s

95th percentile per-packet one-way delay: 69.418 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 68.417 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 70.984 ms

Loss rate: 0.26%

-- Flow 3:

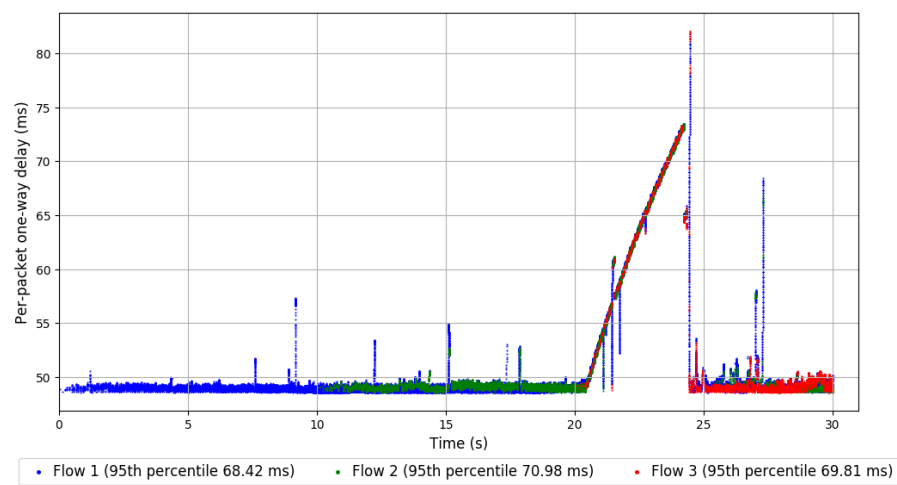
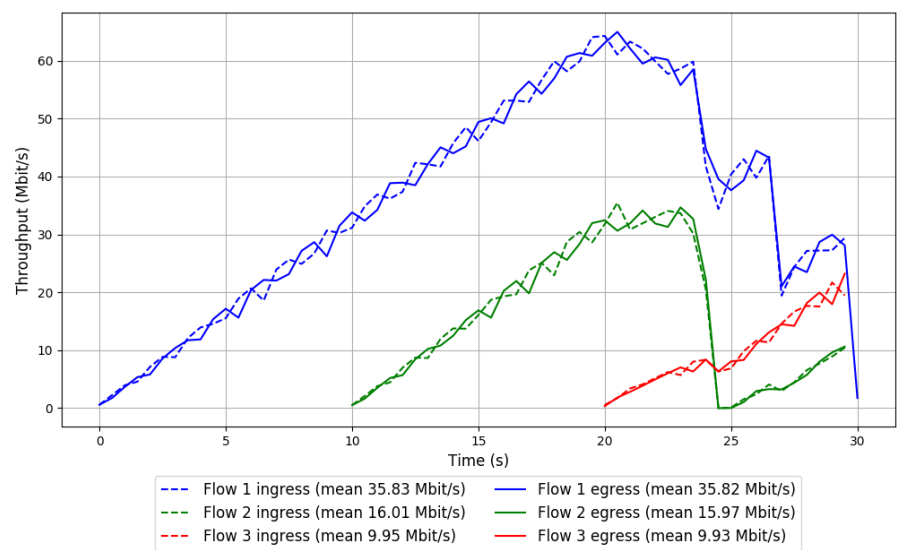
Average throughput: 9.93 Mbit/s

95th percentile per-packet one-way delay: 69.814 ms

Loss rate: 0.21%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 29 Jul 2017 04:37:22 +0000

End at: Sat, 29 Jul 2017 04:37:52 +0000

Local clock offset: -0.065 ms

Remote clock offset: 0.935 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.93 Mbit/s

95th percentile per-packet one-way delay: 59.364 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 64.00 Mbit/s

95th percentile per-packet one-way delay: 59.287 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 59.661 ms

Loss rate: 0.35%

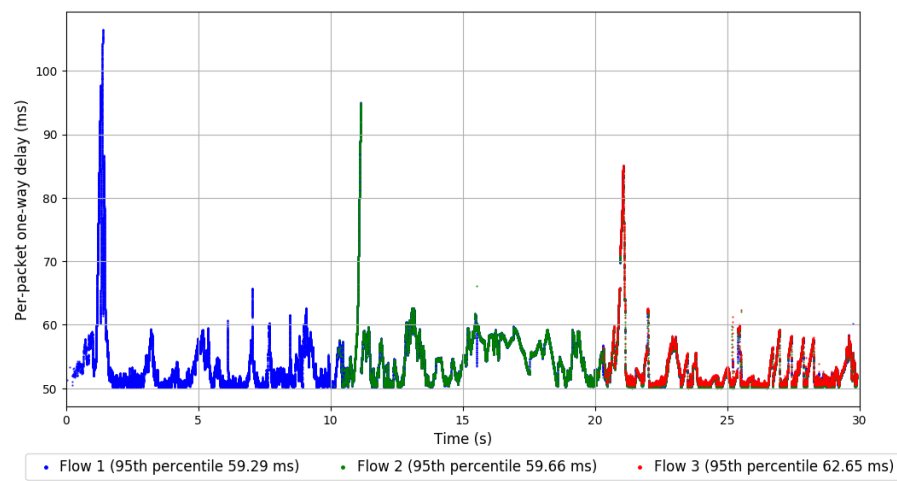
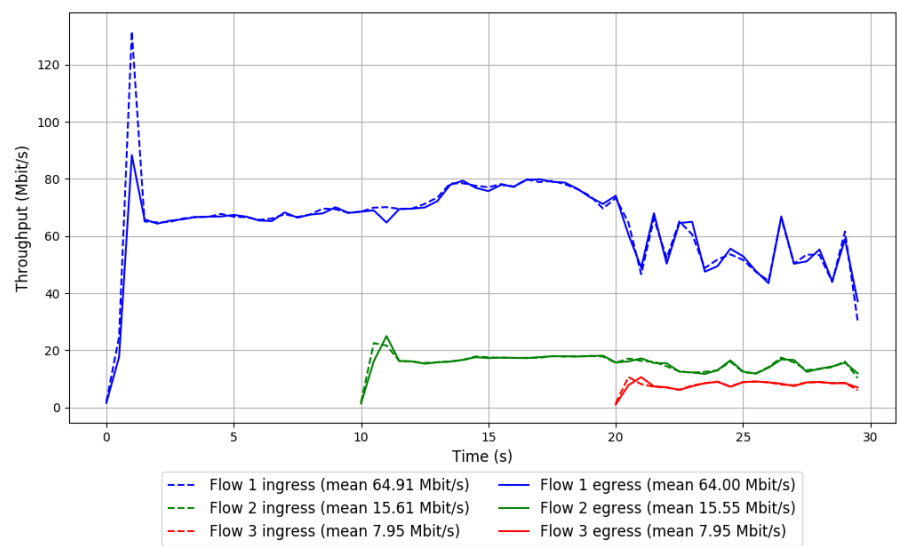
-- Flow 3:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 62.652 ms

Loss rate: 0.05%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 29 Jul 2017 04:58:12 +0000

End at: Sat, 29 Jul 2017 04:58:42 +0000

Local clock offset: 0.277 ms

Remote clock offset: 1.29 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 82.699 ms

Loss rate: 3.61%

-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 82.540 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 83.077 ms

Loss rate: 3.88%

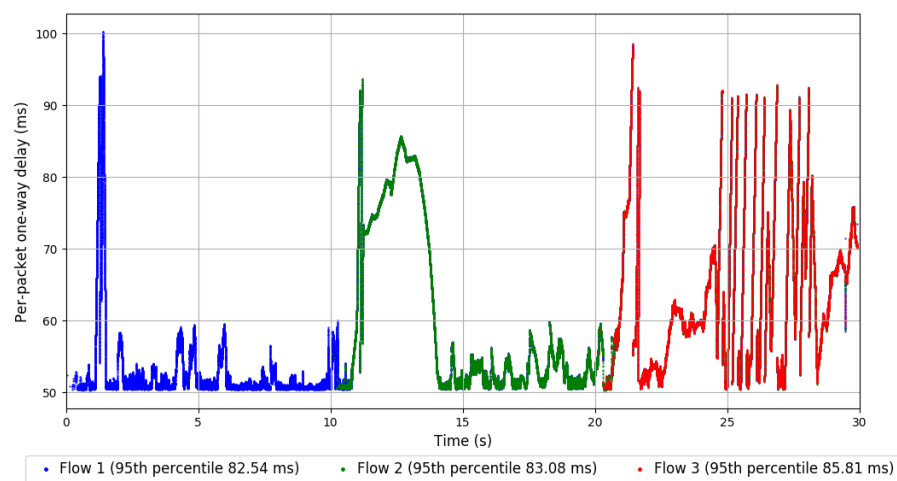
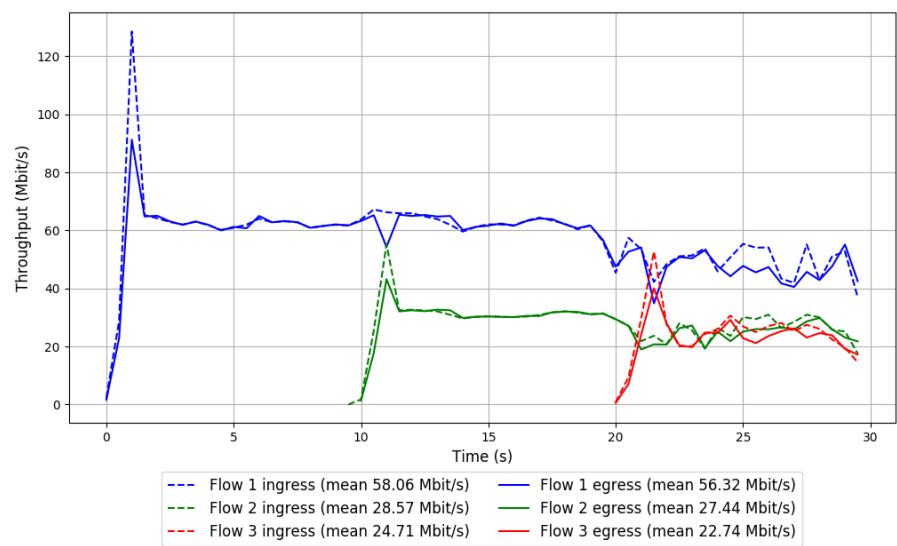
-- Flow 3:

Average throughput: 22.74 Mbit/s

95th percentile per-packet one-way delay: 85.808 ms

Loss rate: 7.83%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:19:01 +0000

End at: Sat, 29 Jul 2017 05:19:31 +0000

Local clock offset: 0.487 ms

Remote clock offset: -0.648 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.14 Mbit/s

95th percentile per-packet one-way delay: 59.601 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 66.92 Mbit/s

95th percentile per-packet one-way delay: 59.171 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 15.01 Mbit/s

95th percentile per-packet one-way delay: 60.865 ms

Loss rate: 0.88%

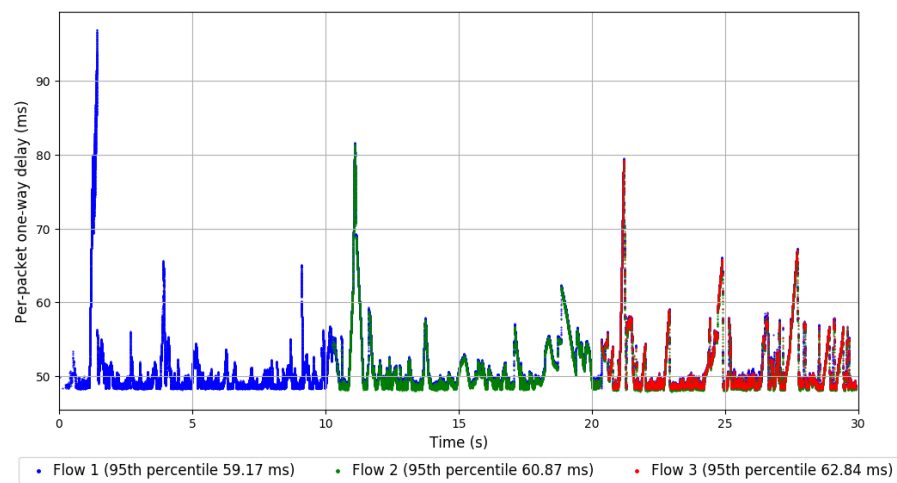
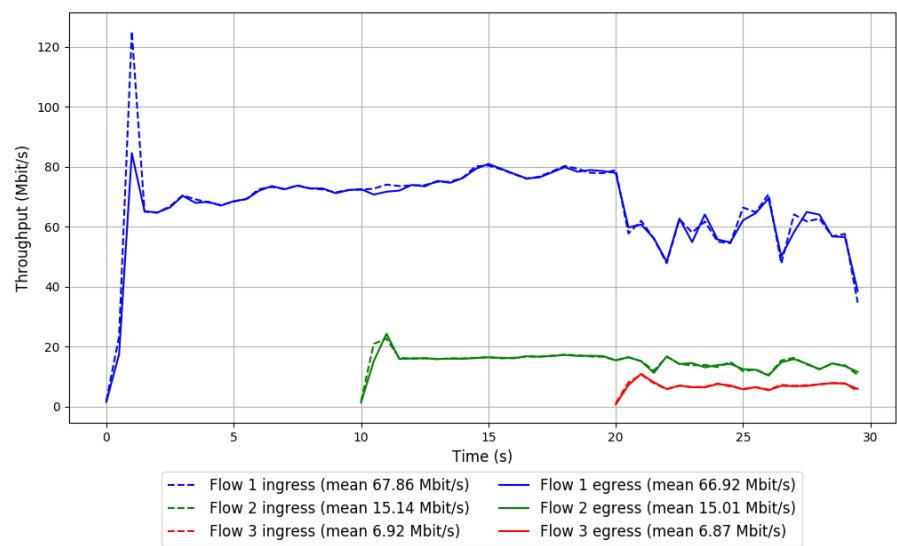
-- Flow 3:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 62.839 ms

Loss rate: 0.70%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:39:51 +0000

End at: Sat, 29 Jul 2017 05:40:21 +0000

Local clock offset: 0.462 ms

Remote clock offset: 1.526 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.06 Mbit/s

95th percentile per-packet one-way delay: 81.817 ms

Loss rate: 3.05%

-- Flow 1:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 79.954 ms

Loss rate: 2.77%

-- Flow 2:

Average throughput: 15.56 Mbit/s

95th percentile per-packet one-way delay: 80.714 ms

Loss rate: 2.80%

-- Flow 3:

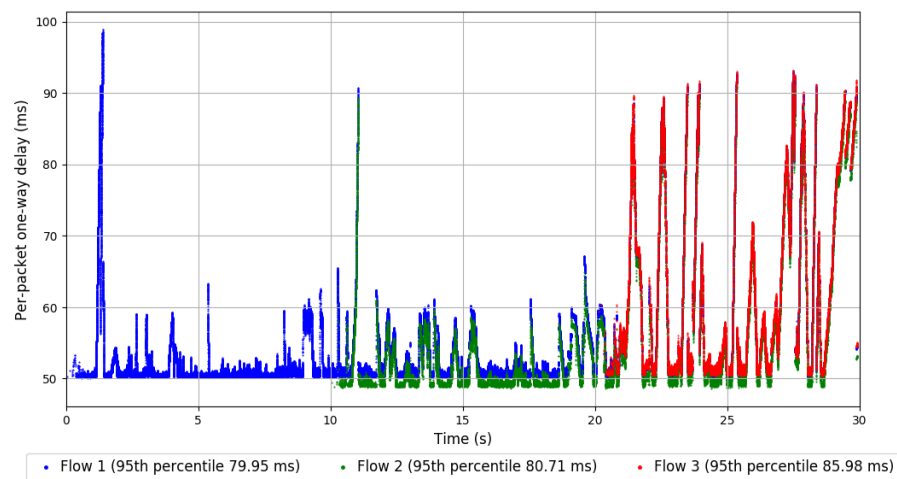
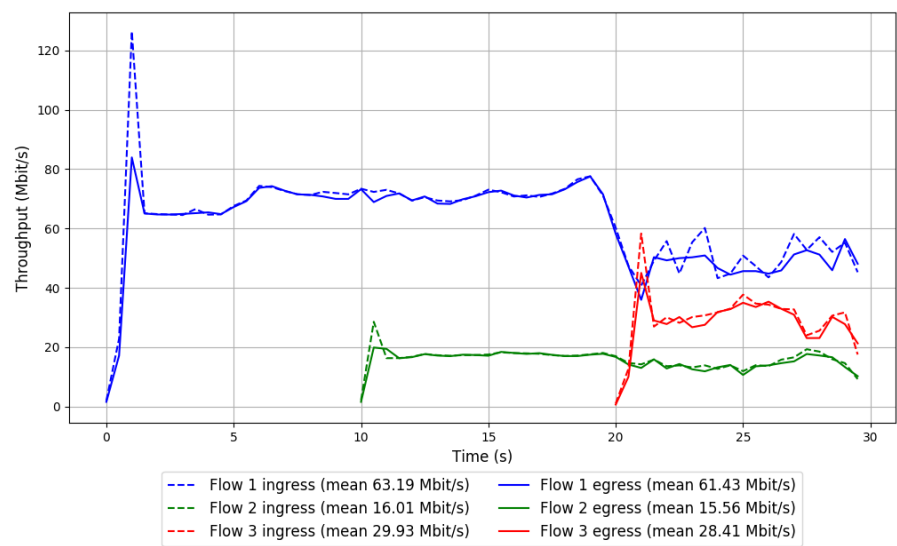
Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 85.984 ms

Loss rate: 5.13%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:00:45 +0000

End at: Sat, 29 Jul 2017 06:01:15 +0000

Local clock offset: 0.607 ms

Remote clock offset: 2.139 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.77 Mbit/s

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

Loss rate: 2.08%

-- Flow 1:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 85.904 ms

Loss rate: 2.14%

-- Flow 2:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 86.804 ms

Loss rate: 2.17%

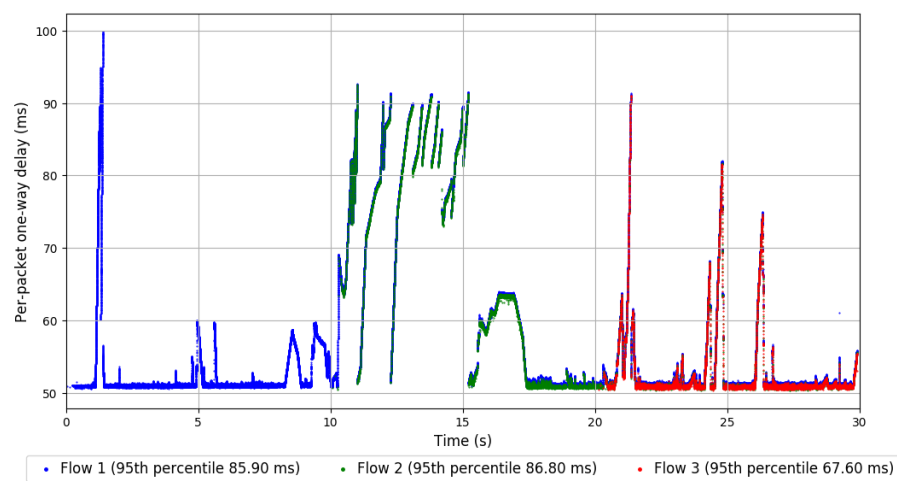
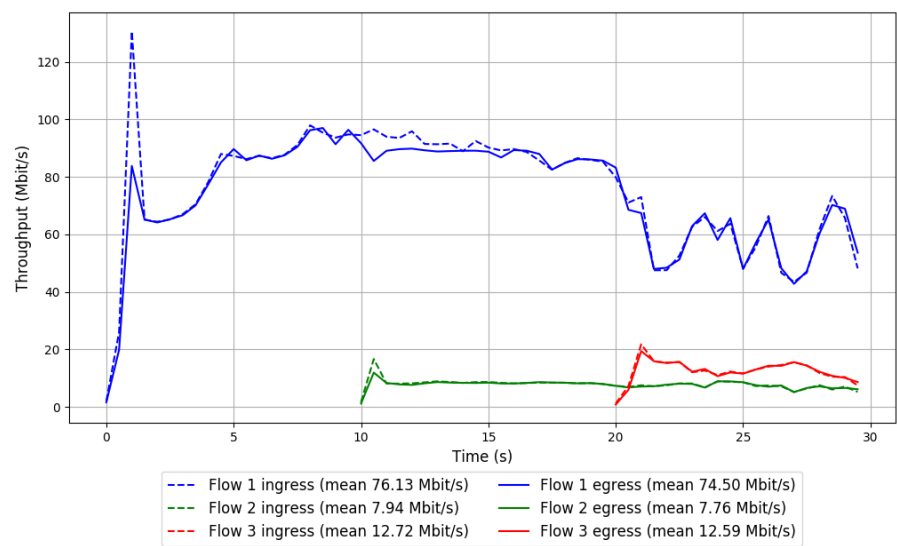
-- Flow 3:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 67.596 ms

Loss rate: 1.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:21:41 +0000

End at: Sat, 29 Jul 2017 06:22:11 +0000

Local clock offset: 0.578 ms

Remote clock offset: 1.999 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 73.440 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 72.97 Mbit/s

95th percentile per-packet one-way delay: 72.330 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 74.352 ms

Loss rate: 1.24%

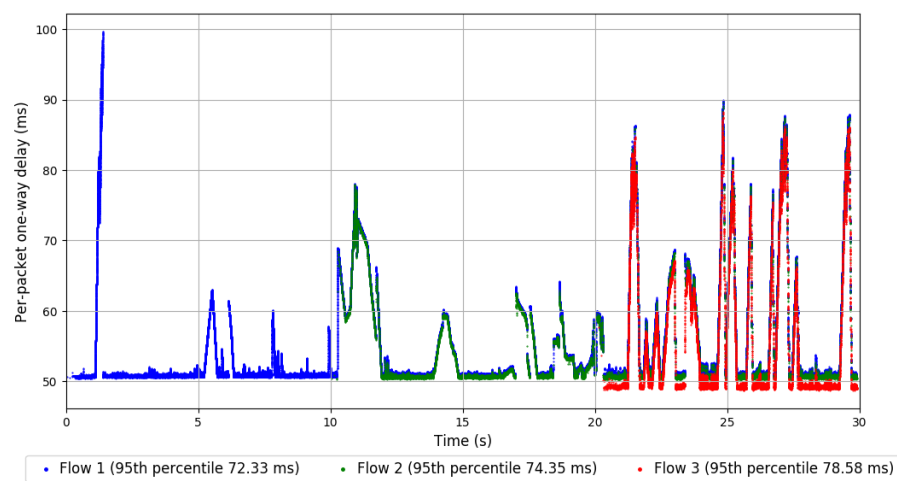
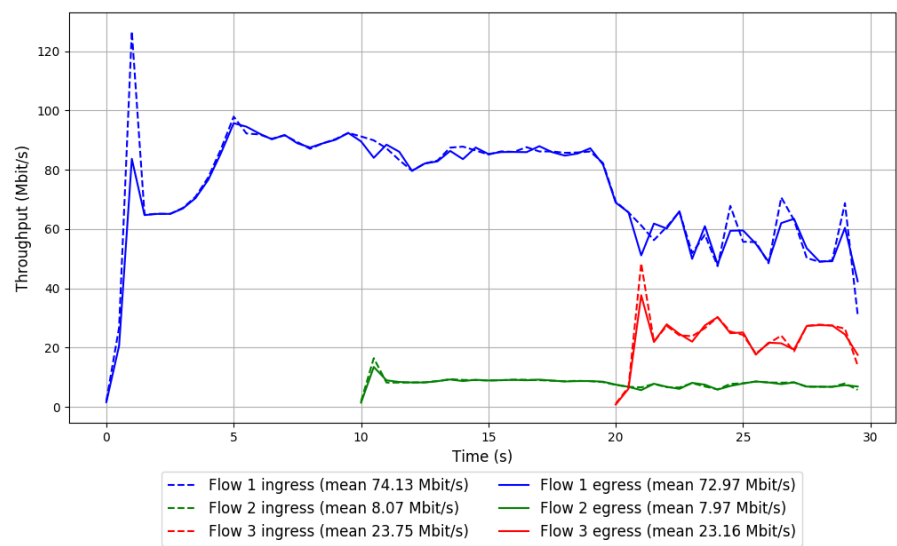
-- Flow 3:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 78.578 ms

Loss rate: 2.58%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:42:32 +0000

End at: Sat, 29 Jul 2017 06:43:02 +0000

Local clock offset: 0.686 ms

Remote clock offset: 2.174 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 84.202 ms

Loss rate: 3.62%

-- Flow 1:

Average throughput: 74.36 Mbit/s

95th percentile per-packet one-way delay: 84.177 ms

Loss rate: 3.18%

-- Flow 2:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 83.692 ms

Loss rate: 3.26%

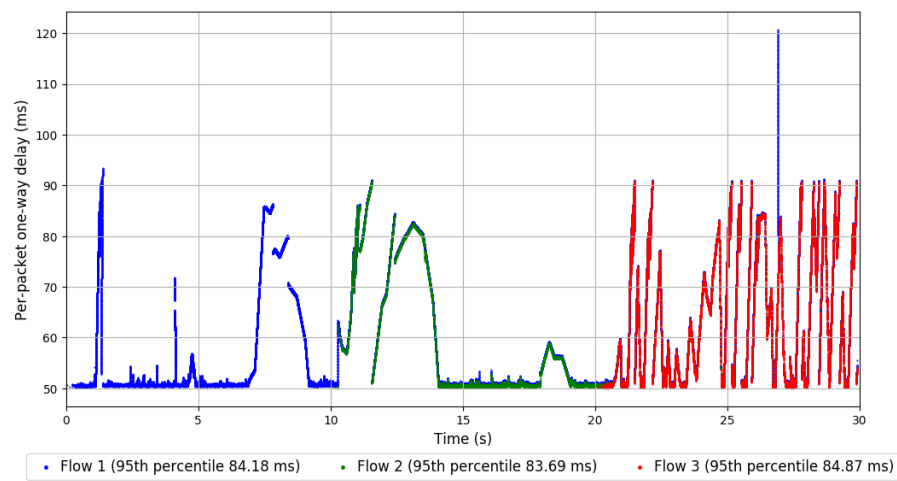
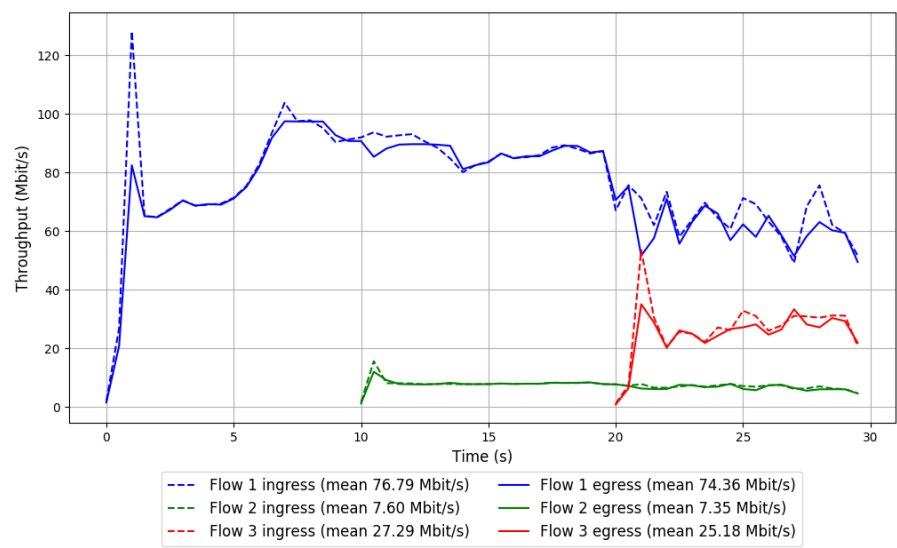
-- Flow 3:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 84.870 ms

Loss rate: 7.67%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:03:25 +0000

End at: Sat, 29 Jul 2017 07:03:55 +0000

Local clock offset: 0.599 ms

Remote clock offset: 1.914 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:52:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.07 Mbit/s

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

Loss rate: 9.72%

-- Flow 1:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 87.351 ms

Loss rate: 9.32%

-- Flow 2:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 88.619 ms

Loss rate: 13.20%

-- Flow 3:

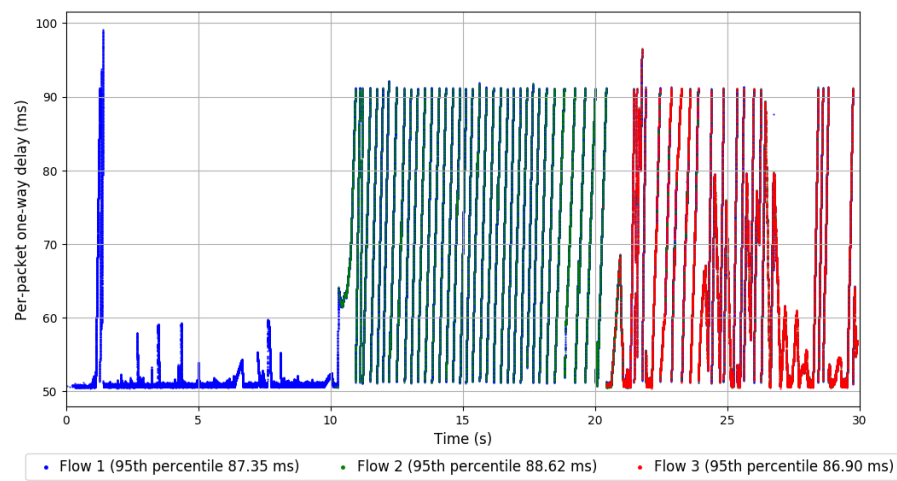
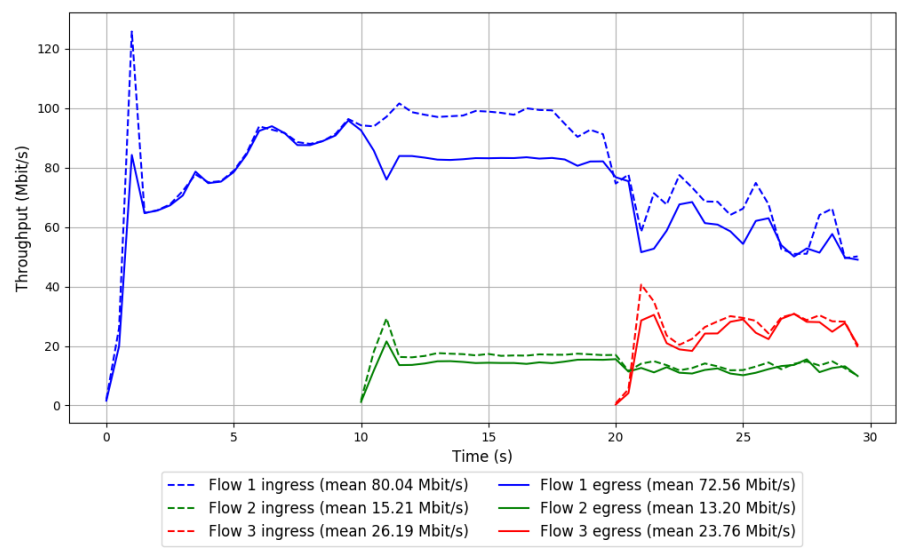
Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 86.900 ms

Loss rate: 9.32%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:24:16 +0000

End at: Sat, 29 Jul 2017 07:24:46 +0000

Local clock offset: 0.714 ms

Remote clock offset: -0.691 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.08 Mbit/s

95th percentile per-packet one-way delay: 80.421 ms

Loss rate: 2.71%

-- Flow 1:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 79.994 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 82.059 ms

Loss rate: 3.23%

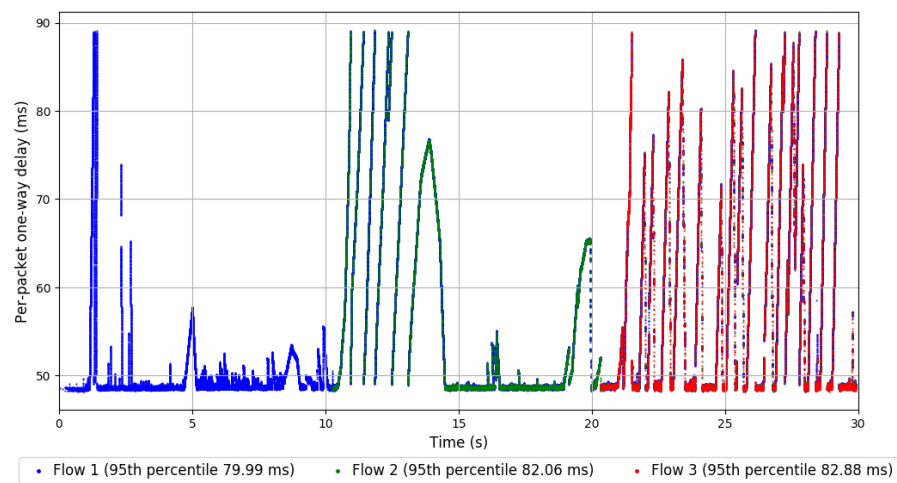
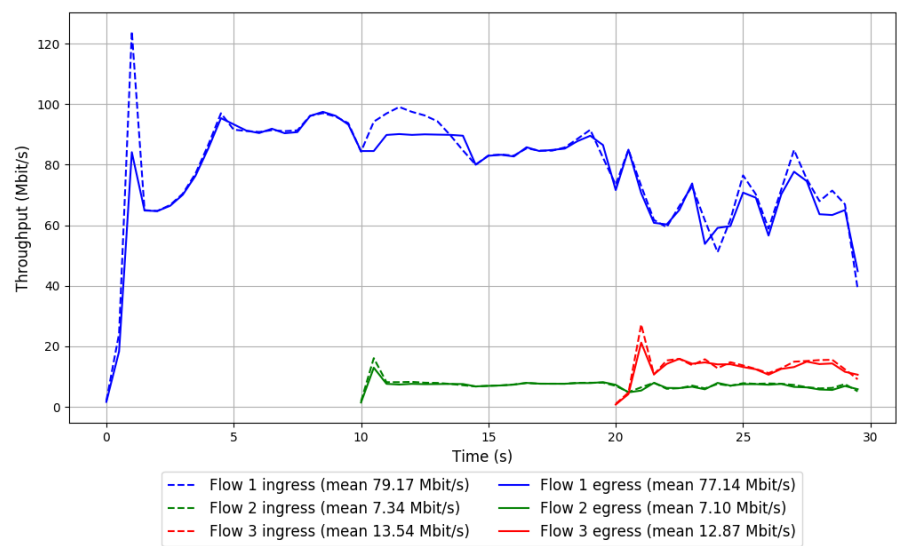
-- Flow 3:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 82.876 ms

Loss rate: 4.89%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:45:09 +0000

End at: Sat, 29 Jul 2017 07:45:39 +0000

Local clock offset: 0.602 ms

Remote clock offset: -1.974 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 80.660 ms

Loss rate: 3.64%

-- Flow 1:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 79.781 ms

Loss rate: 3.24%

-- Flow 2:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 82.549 ms

Loss rate: 3.56%

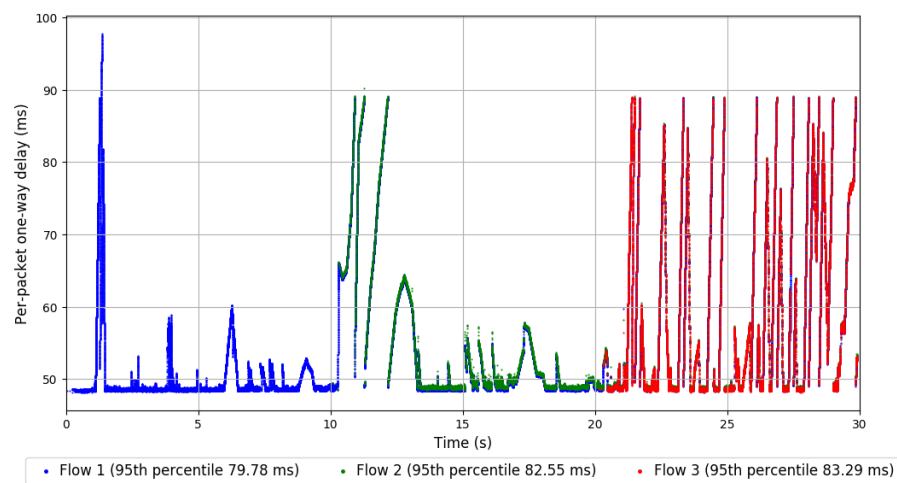
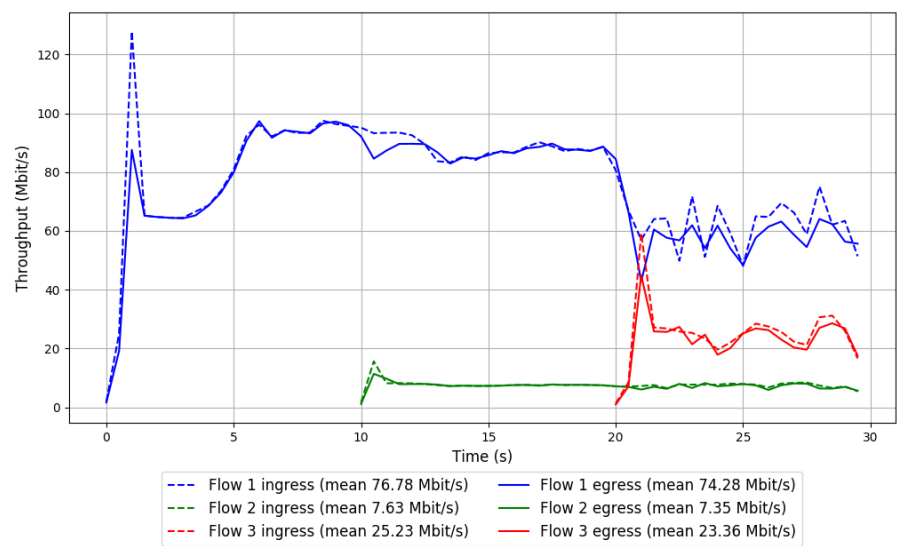
-- Flow 3:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 83.292 ms

Loss rate: 7.44%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 04:29:10 +0000

End at: Sat, 29 Jul 2017 04:29:40 +0000

Local clock offset: -0.237 ms

Remote clock offset: 1.326 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 34.63 Mbit/s

95th percentile per-packet one-way delay: 60.316 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.138 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 60.316 ms

Loss rate: 0.30%

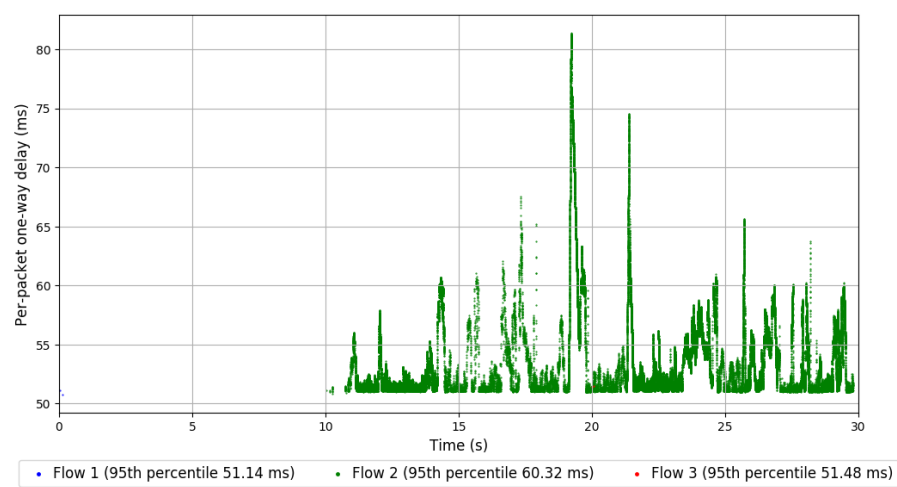
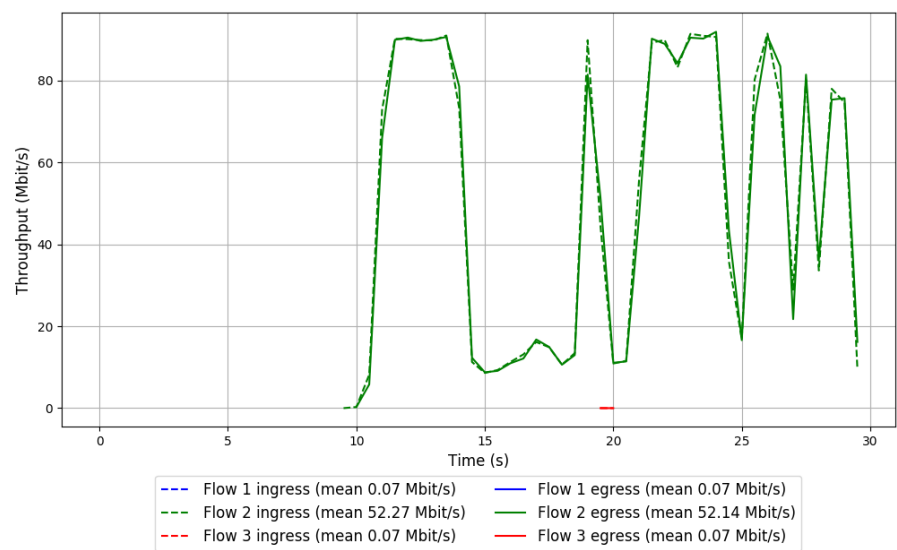
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.481 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 04:50:05 +0000

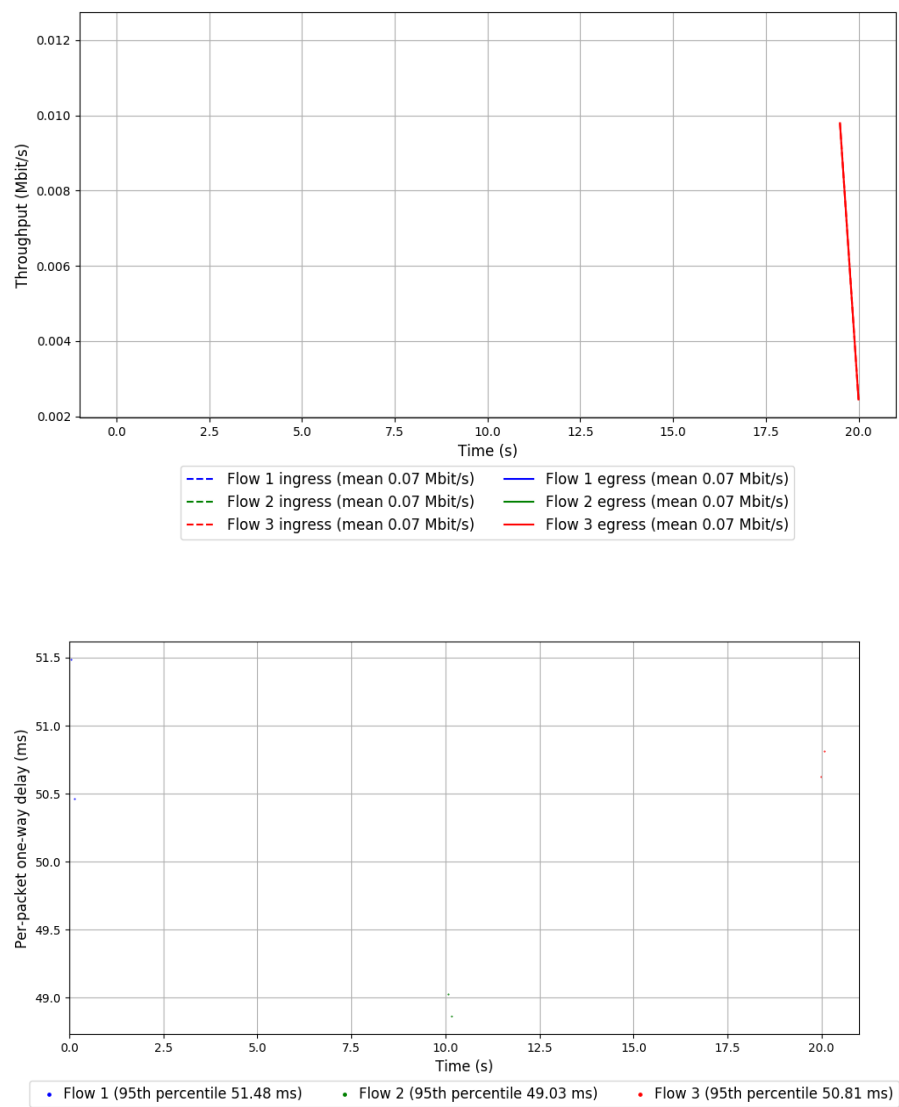
End at: Sat, 29 Jul 2017 04:50:35 +0000

Local clock offset: 0.15 ms

Remote clock offset: 1.158 ms



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:10:53 +0000

End at: Sat, 29 Jul 2017 05:11:23 +0000

Local clock offset: 0.412 ms

Remote clock offset: 1.318 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 17.55 Mbit/s

95th percentile per-packet one-way delay: 67.530 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.663 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.787 ms

Loss rate: 0.00%

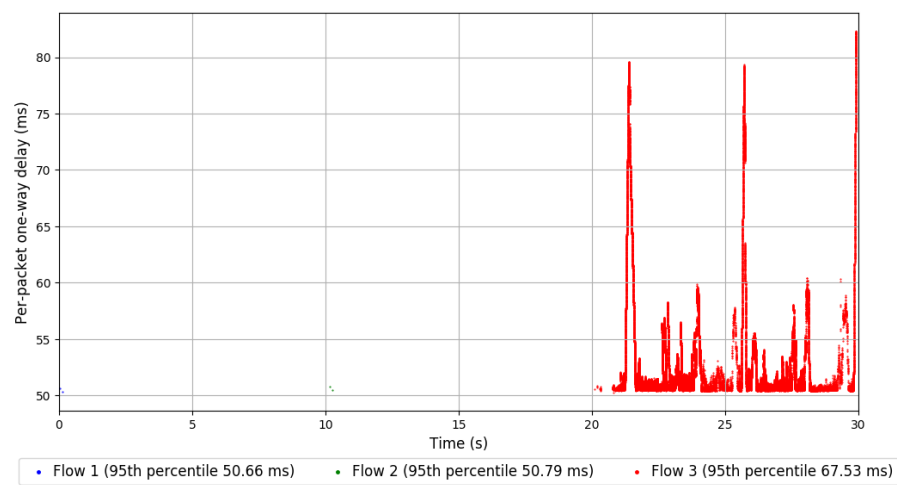
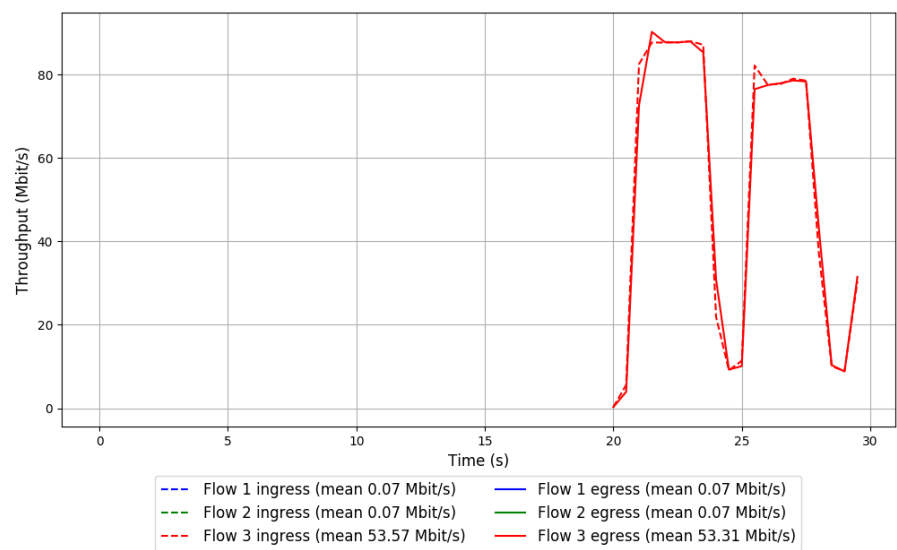
-- Flow 3:

Average throughput: 53.31 Mbit/s

95th percentile per-packet one-way delay: 67.530 ms

Loss rate: 0.19%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

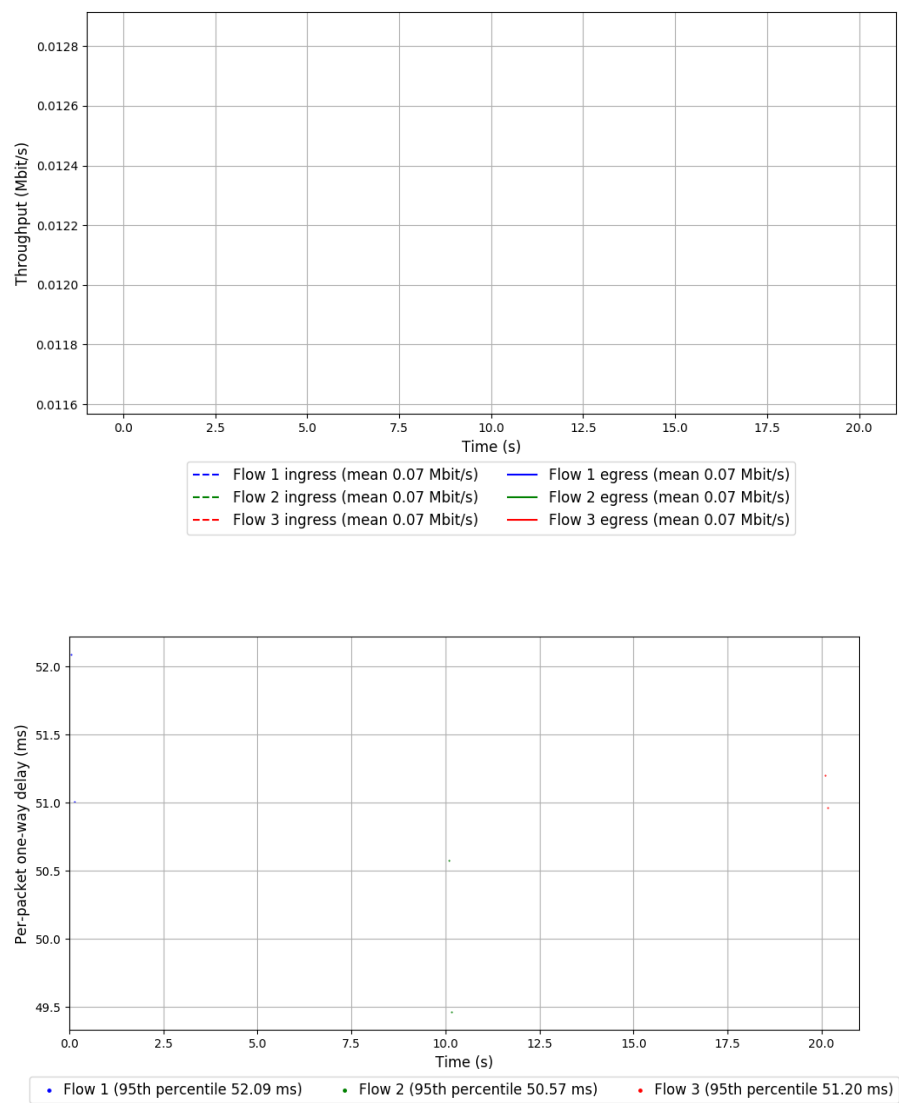
Start at: Sat, 29 Jul 2017 05:31:42 +0000

End at: Sat, 29 Jul 2017 05:32:12 +0000

Local clock offset: 0.423 ms

Remote clock offset: 2.069 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:52:33 +0000

End at: Sat, 29 Jul 2017 05:53:03 +0000

Local clock offset: 0.46 ms

Remote clock offset: 1.645 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 21.83 Mbit/s

95th percentile per-packet one-way delay: 55.543 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.745 ms

Loss rate: 0.00%

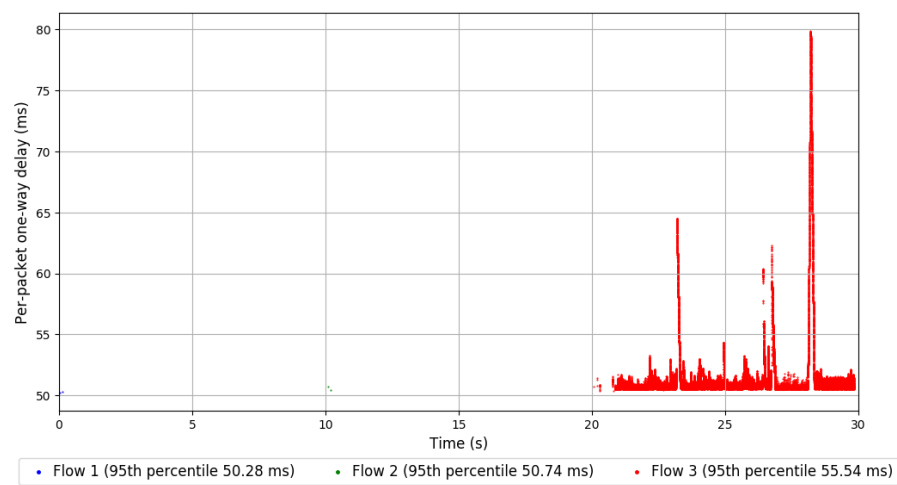
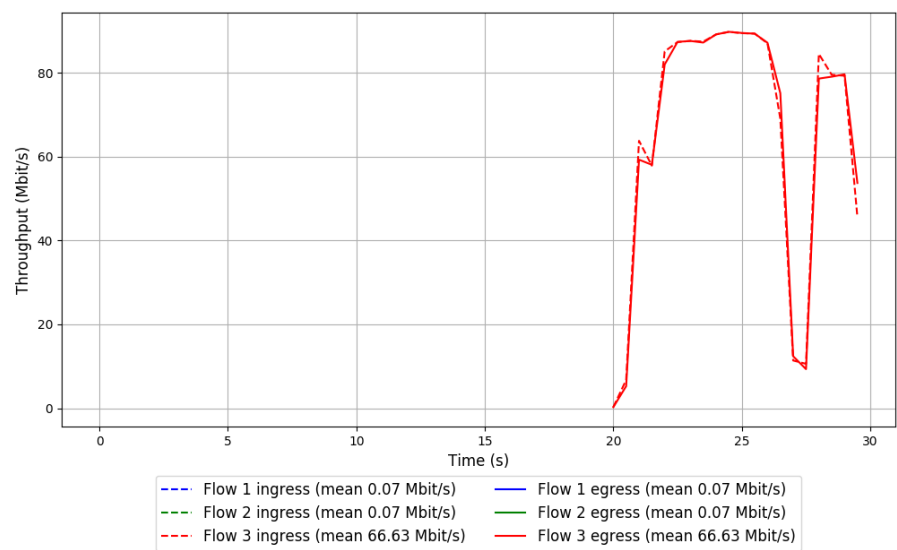
-- Flow 3:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 55.543 ms

Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 06:13:32 +0000

End at: Sat, 29 Jul 2017 06:14:02 +0000

Local clock offset: 0.564 ms

Remote clock offset: -0.217 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 69.662 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 46.851 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 48.395 ms

Loss rate: 0.00%

-- Flow 3:

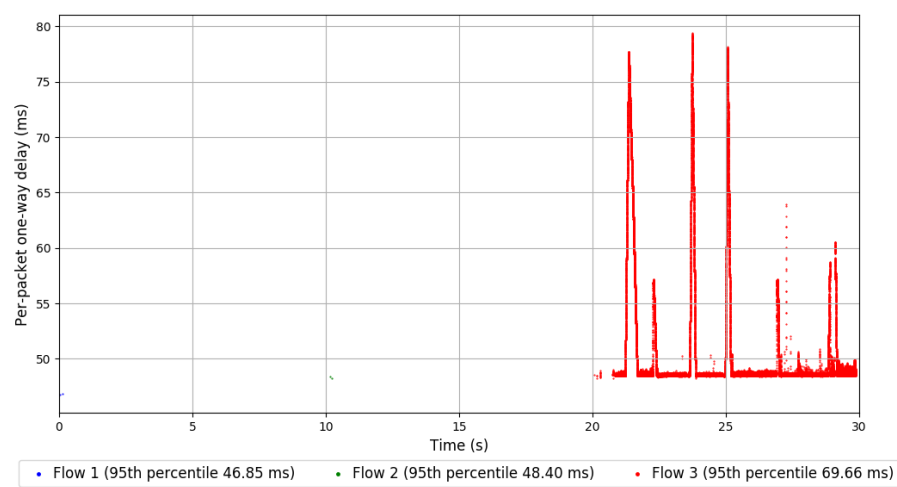
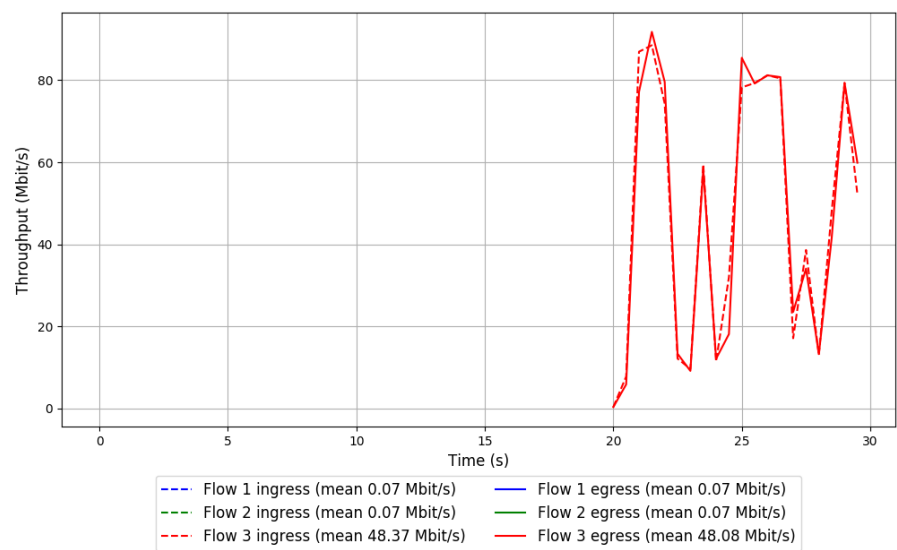
Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 69.662 ms

Loss rate: 0.65%



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

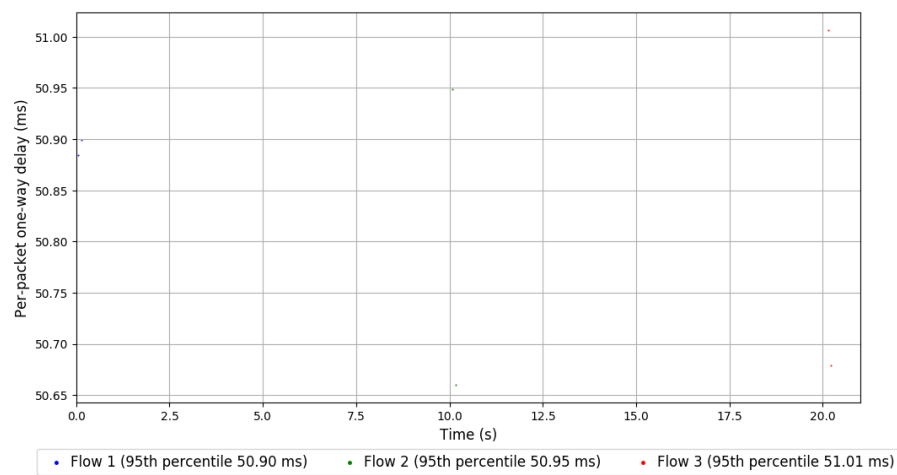
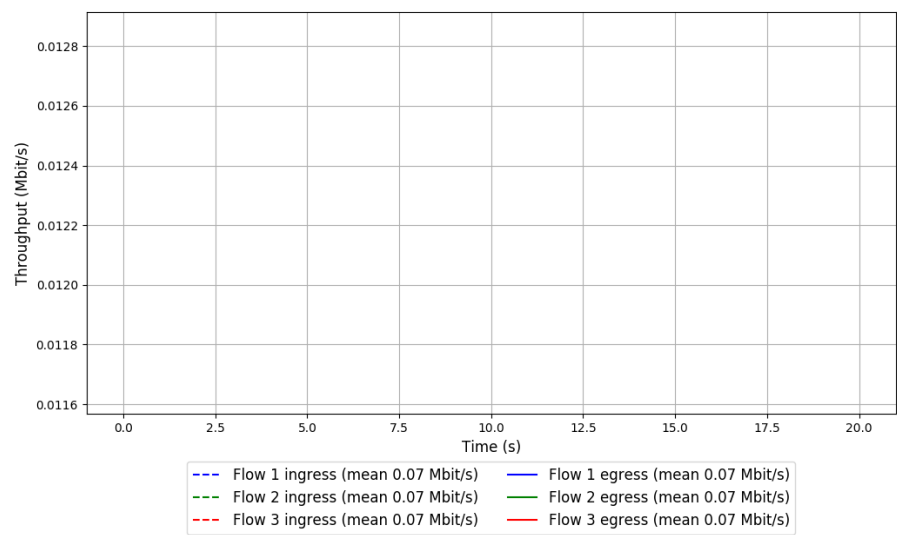
Start at: Sat, 29 Jul 2017 06:34:27 +0000

End at: Sat, 29 Jul 2017 06:34:57 +0000

Local clock offset: 0.59 ms

Remote clock offset: 2.571 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

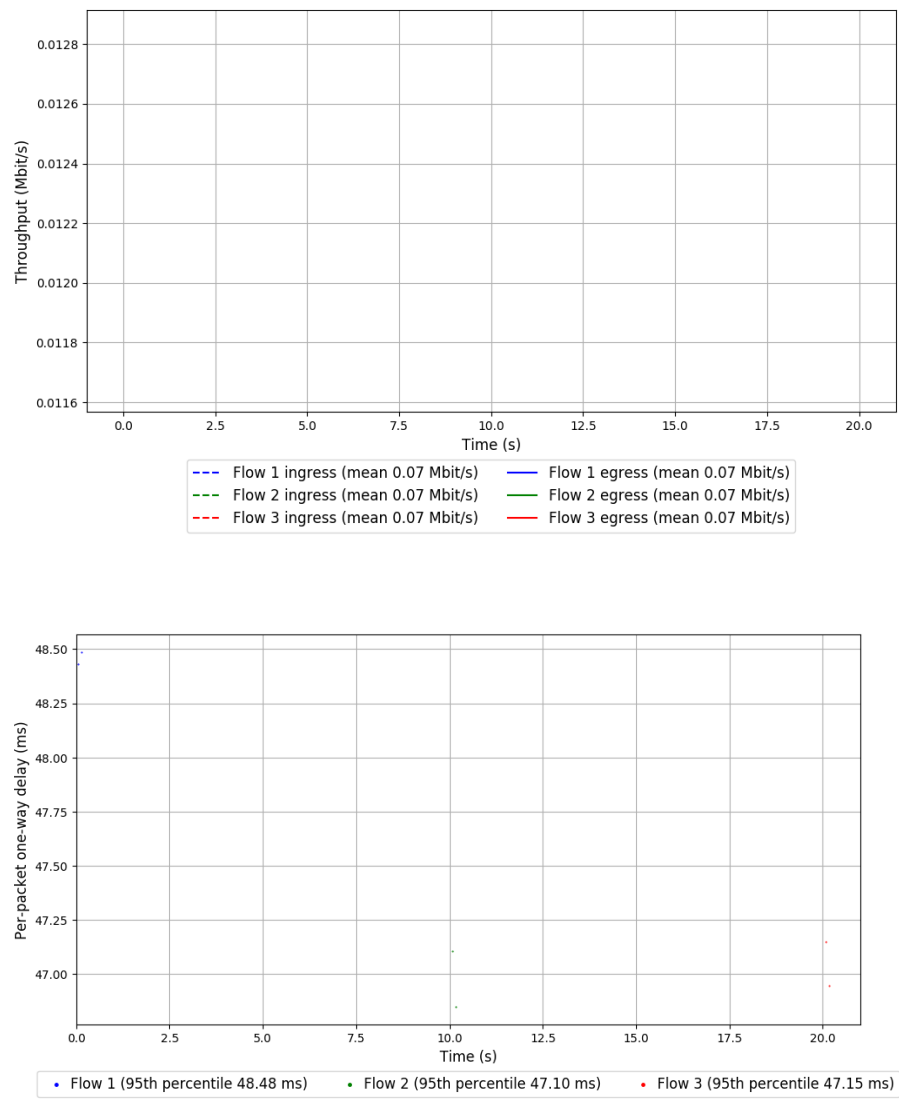
Start at: Sat, 29 Jul 2017 06:55:16 +0000

End at: Sat, 29 Jul 2017 06:55:46 +0000

Local clock offset: 0.579 ms

Remote clock offset: -0.02 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

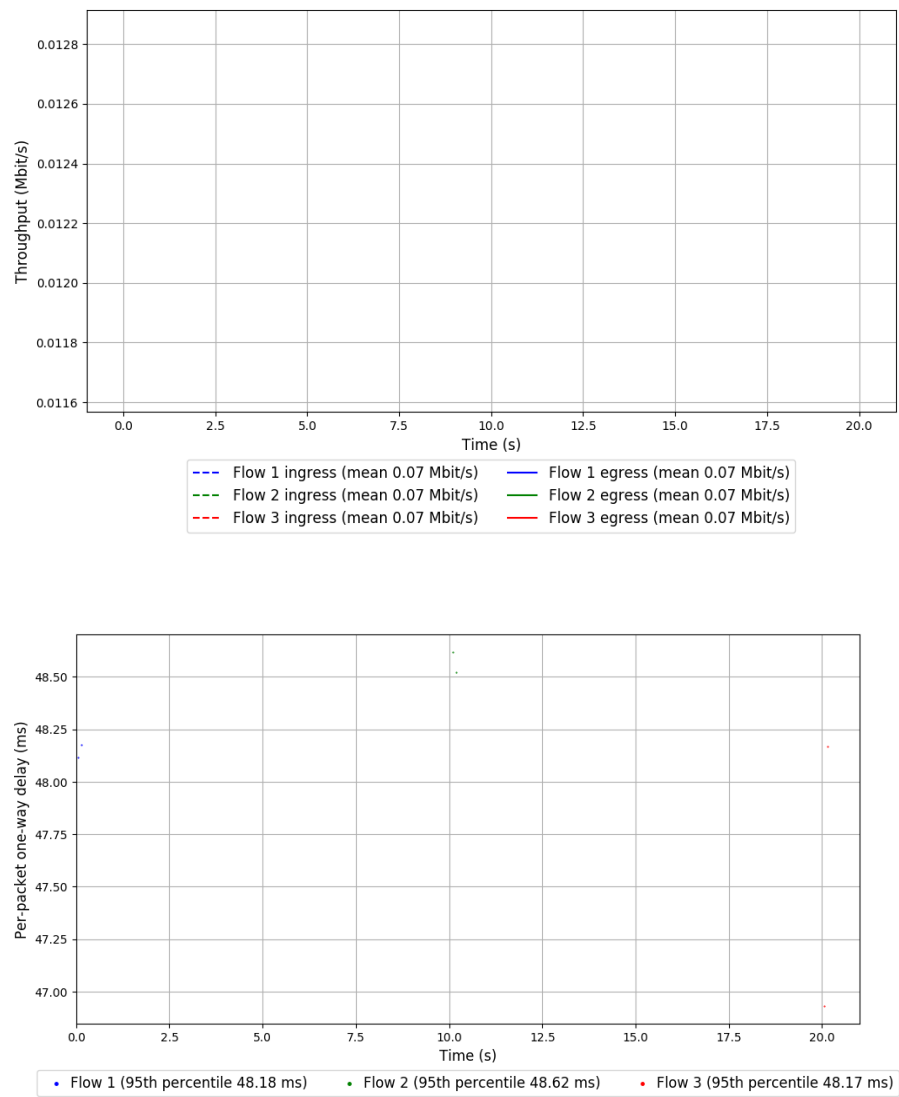
Start at: Sat, 29 Jul 2017 07:16:08 +0000

End at: Sat, 29 Jul 2017 07:16:38 +0000

Local clock offset: 0.613 ms

Remote clock offset: -0.386 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 07:36:59 +0000

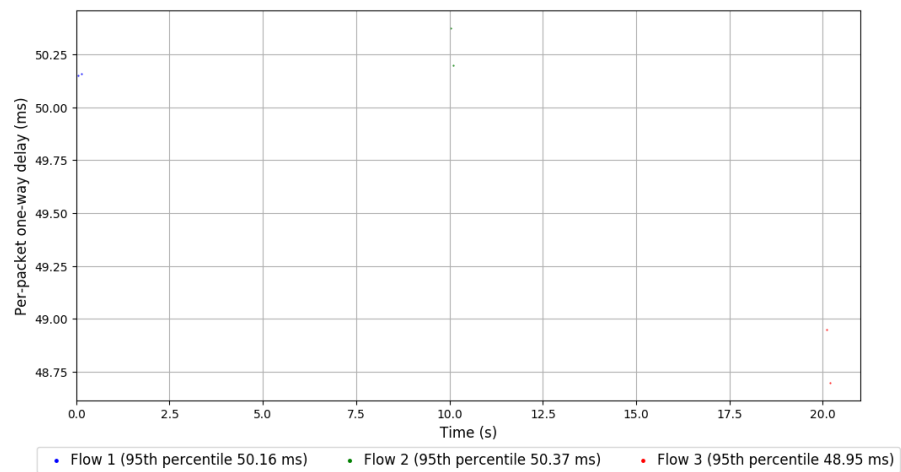
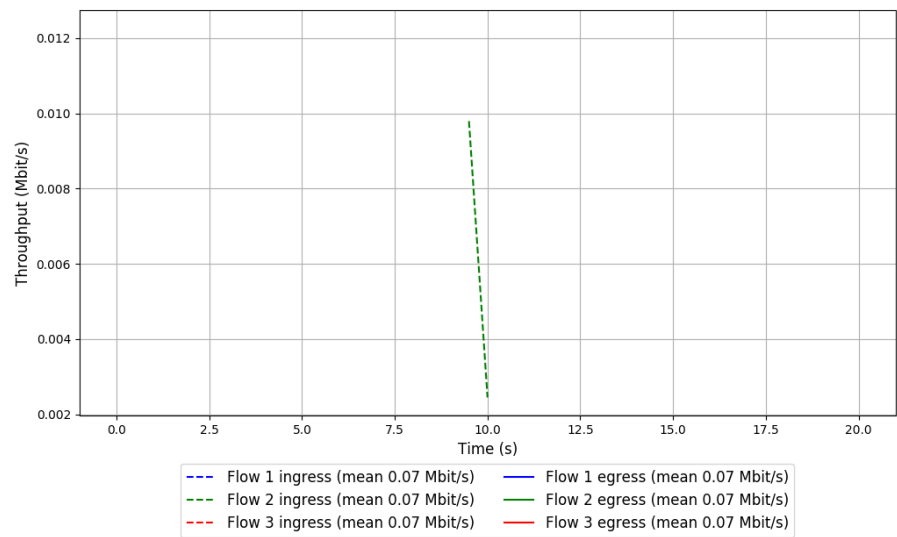
End at: Sat, 29 Jul 2017 07:37:30 +0000

Local clock offset: 0.719 ms

Remote clock offset: 0.44 ms



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:22:08 +0000

End at: Sat, 29 Jul 2017 04:22:38 +0000

Local clock offset: -0.428 ms

Remote clock offset: 1.146 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: 52.283 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 51.947 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 52.660 ms

Loss rate: 0.02%

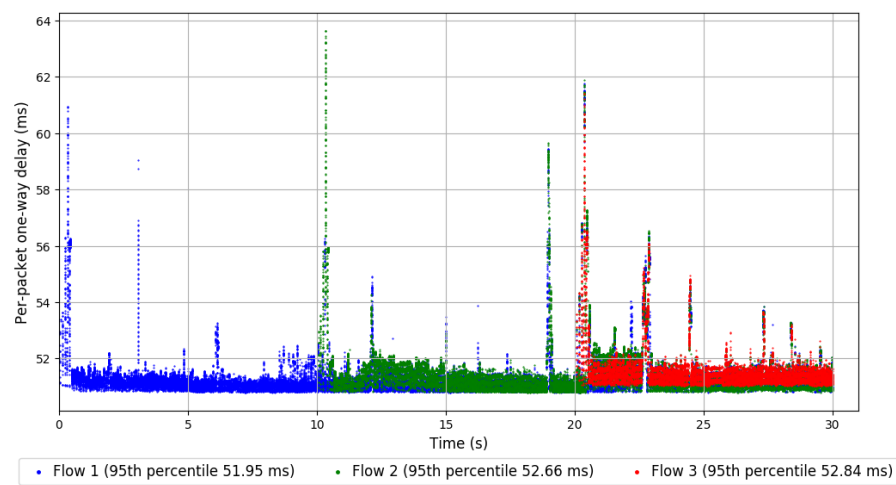
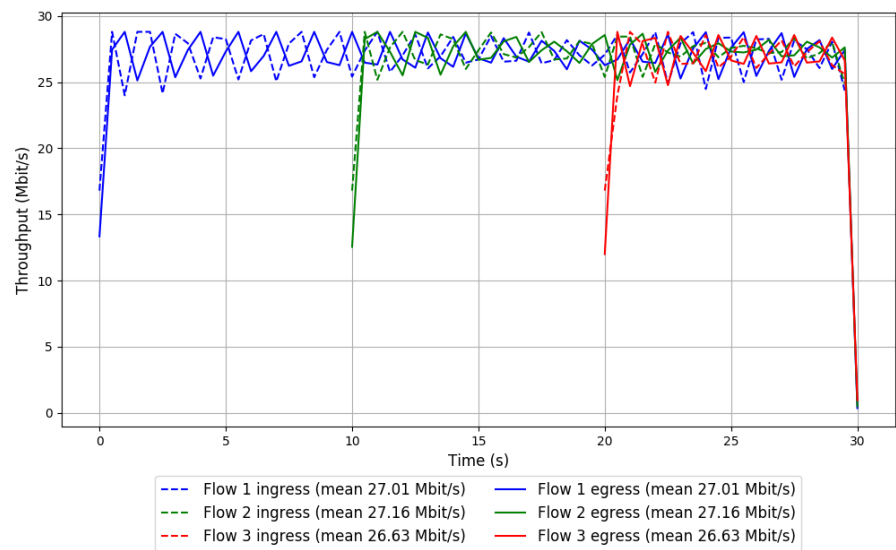
-- Flow 3:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 52.845 ms

Loss rate: 0.00%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:43:00 +0000

End at: Sat, 29 Jul 2017 04:43:30 +0000

Local clock offset: 0.021 ms

Remote clock offset: -0.941 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 54.600 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 53.358 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 54.742 ms

Loss rate: 0.15%

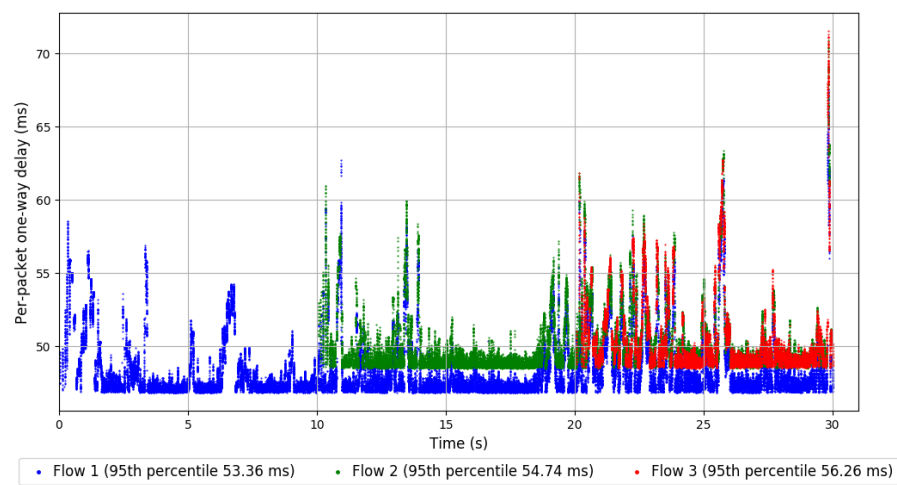
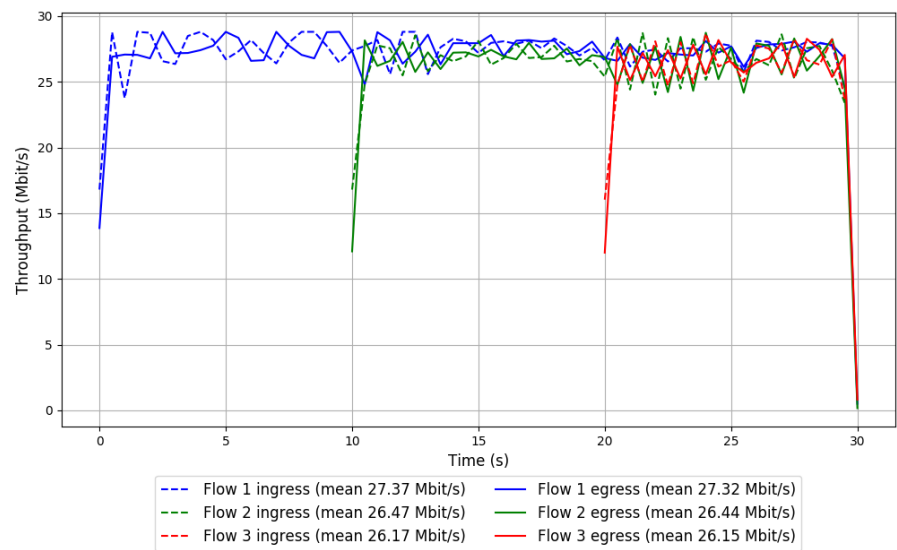
-- Flow 3:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 56.259 ms

Loss rate: 0.10%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:03:49 +0000

End at: Sat, 29 Jul 2017 05:04:19 +0000

Local clock offset: 0.331 ms

Remote clock offset: 1.194 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 52.837 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 52.579 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.82 Mbit/s

95th percentile per-packet one-way delay: 52.586 ms

Loss rate: 0.00%

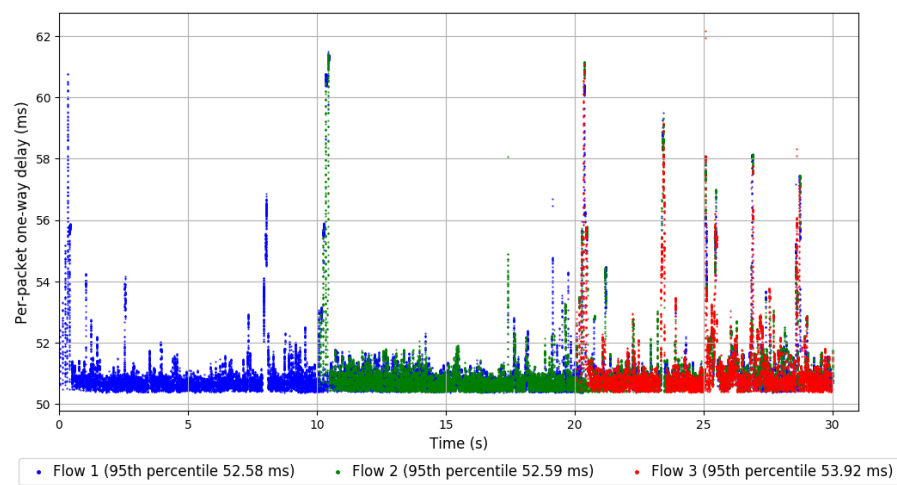
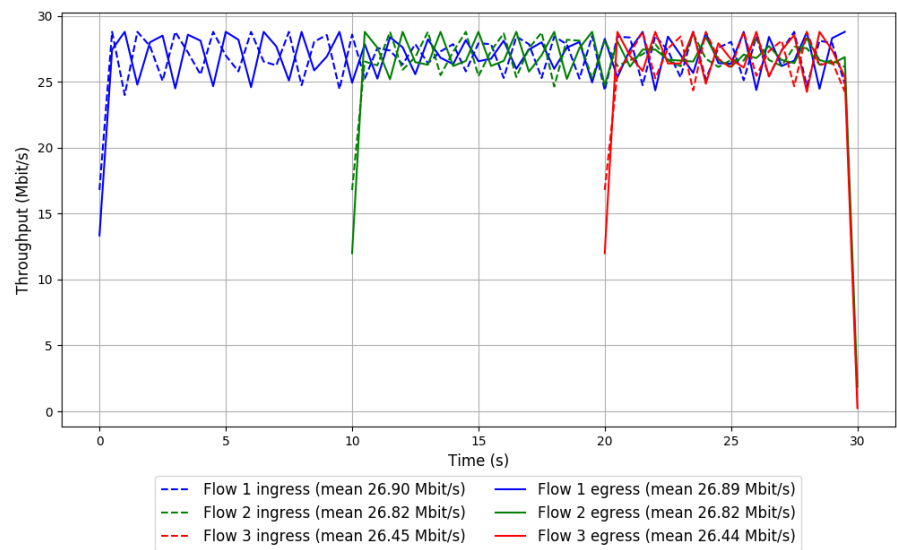
-- Flow 3:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 53.916 ms

Loss rate: 0.00%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:24:36 +0000

End at: Sat, 29 Jul 2017 05:25:06 +0000

Local clock offset: 0.51 ms

Remote clock offset: 1.542 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 56.006 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 56.439 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 55.206 ms

Loss rate: 0.07%

-- Flow 3:

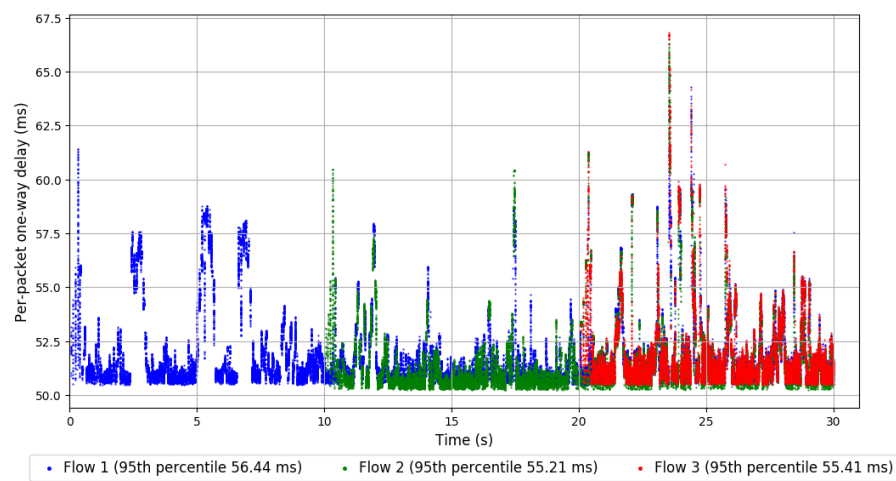
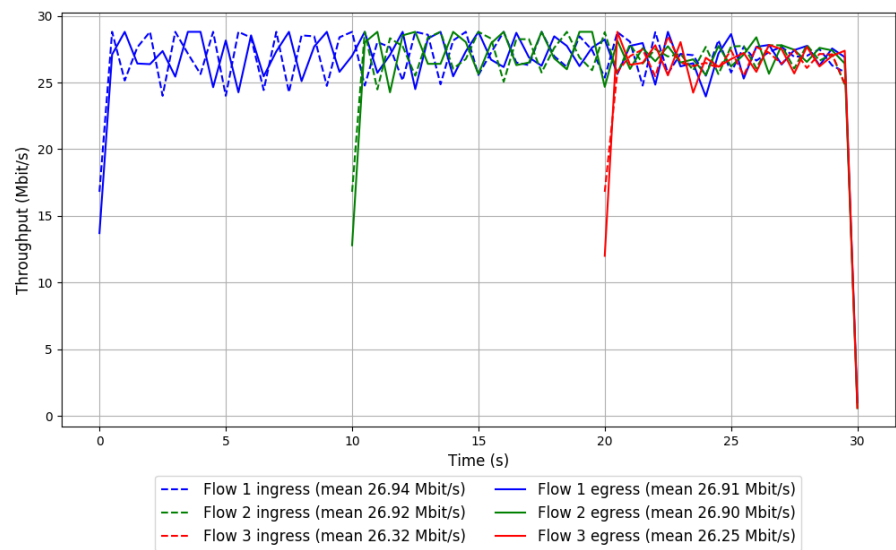
Average throughput: 26.25 Mbit/s

95th percentile per-packet one-way delay: 55.406 ms

Loss rate: 0.25%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:45:30 +0000

End at: Sat, 29 Jul 2017 05:46:00 +0000

Local clock offset: 0.462 ms

Remote clock offset: 1.678 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 56.322 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 55.336 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 56.455 ms

Loss rate: 0.22%

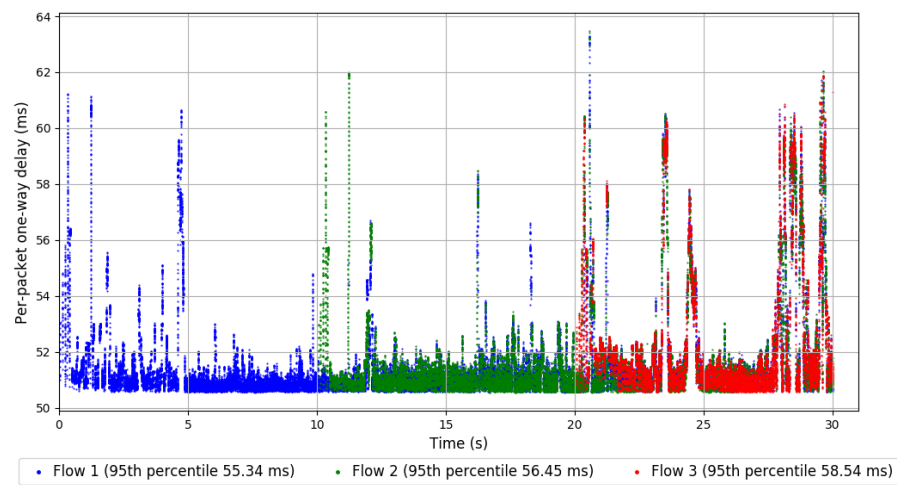
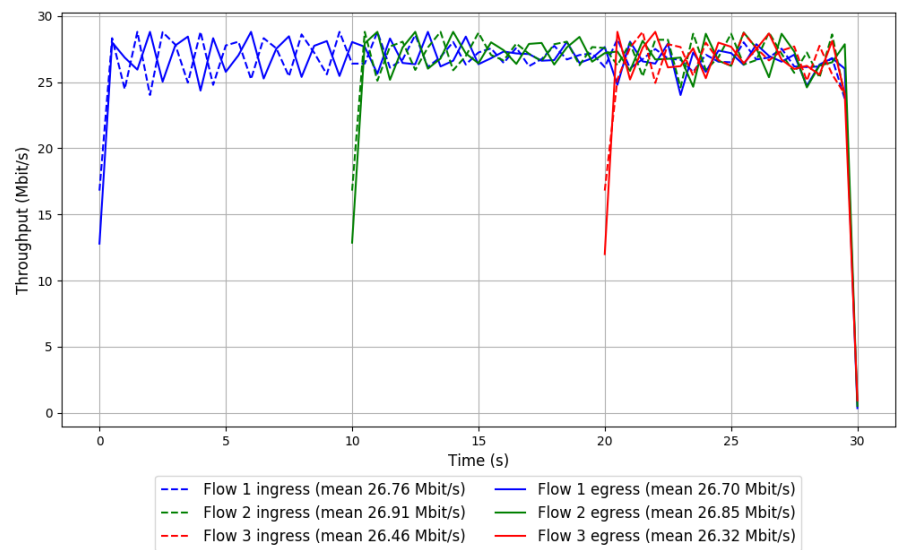
-- Flow 3:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 58.543 ms

Loss rate: 0.44%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:06:27 +0000

End at: Sat, 29 Jul 2017 06:06:57 +0000

Local clock offset: 0.497 ms

Remote clock offset: 2.289 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 54.563 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 54.240 ms

Loss rate: 0.03%

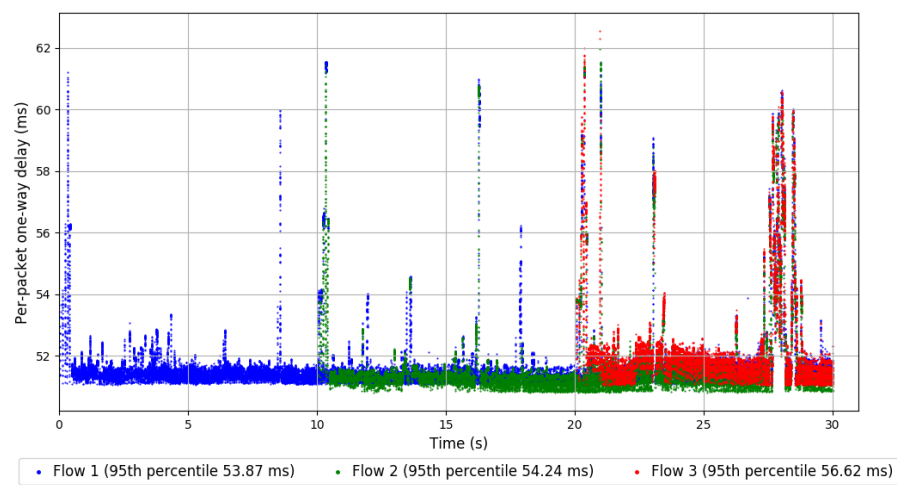
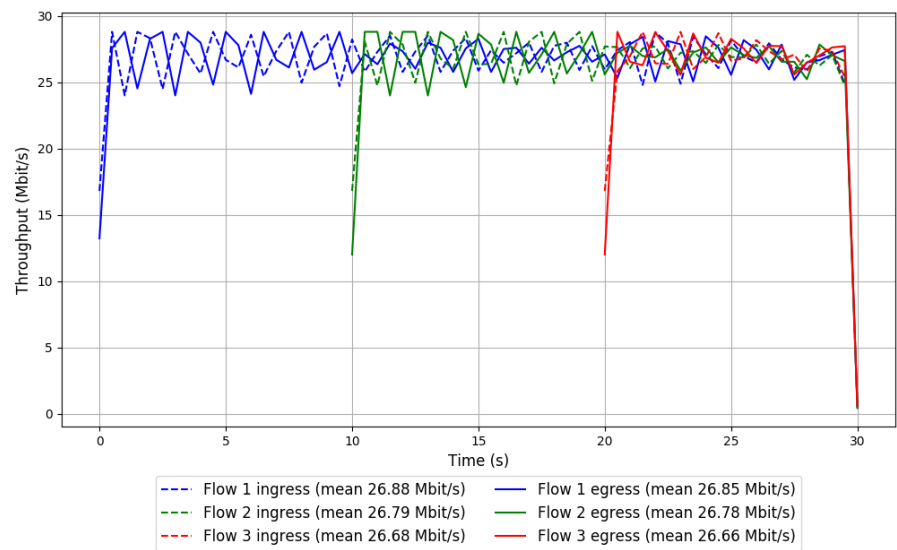
-- Flow 3:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 56.617 ms

Loss rate: 0.07%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:27:23 +0000

End at: Sat, 29 Jul 2017 06:27:53 +0000

Local clock offset: 0.578 ms

Remote clock offset: 2.046 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.67 Mbit/s

95th percentile per-packet one-way delay: 51.875 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.96 Mbit/s

95th percentile per-packet one-way delay: 51.817 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.88 Mbit/s

95th percentile per-packet one-way delay: 51.891 ms

Loss rate: 0.00%

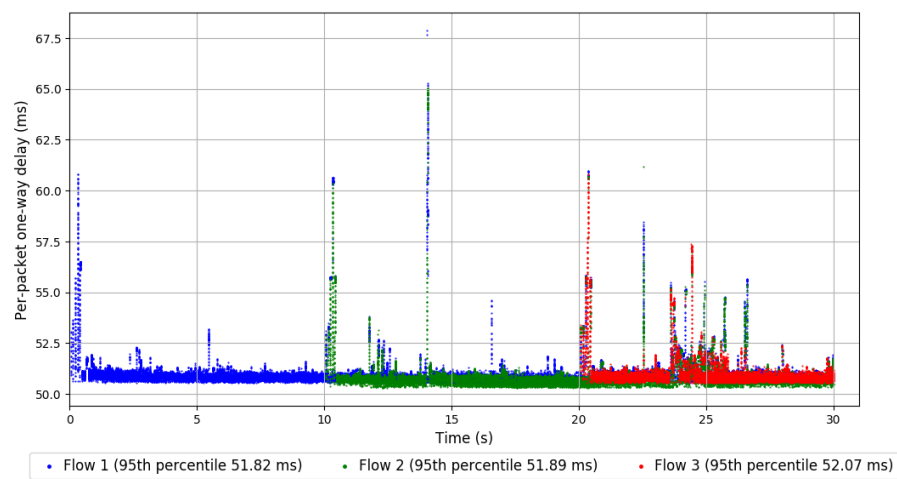
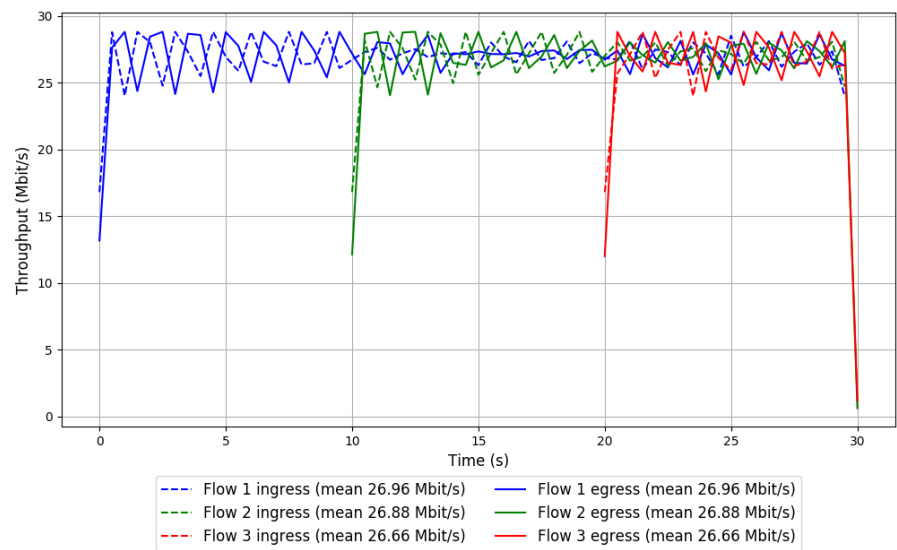
-- Flow 3:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 52.066 ms

Loss rate: 0.00%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:48:12 +0000

End at: Sat, 29 Jul 2017 06:48:42 +0000

Local clock offset: 0.611 ms

Remote clock offset: 0.068 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 49.482 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 49.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 49.286 ms

Loss rate: 0.00%

-- Flow 3:

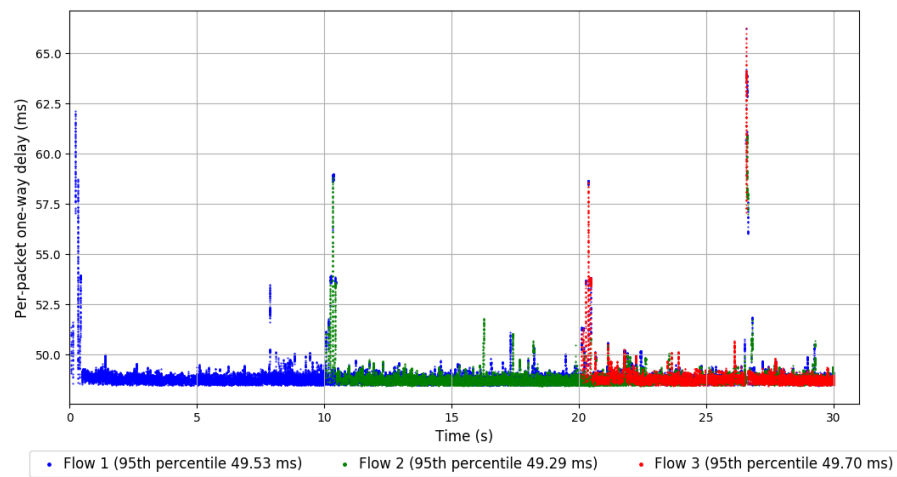
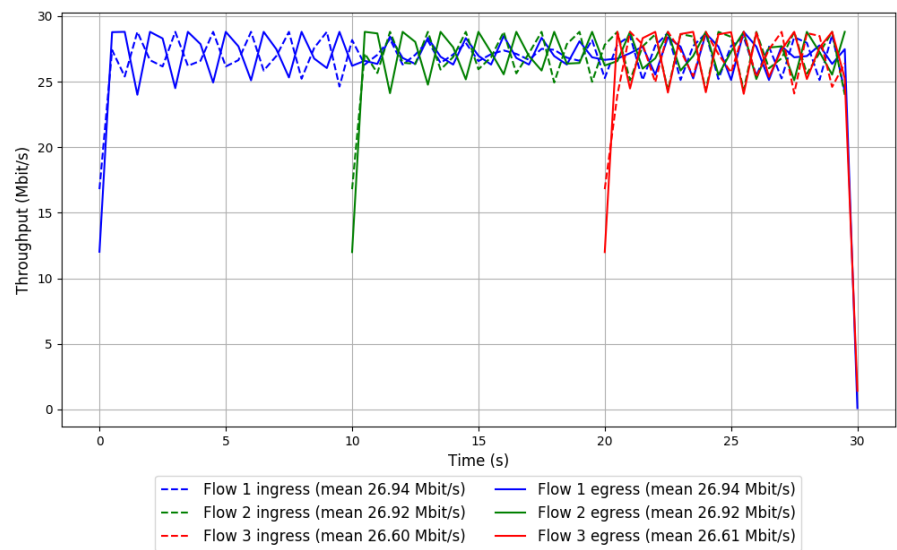
Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 49.697 ms

Loss rate: 0.00%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:09:05 +0000

End at: Sat, 29 Jul 2017 07:09:35 +0000

Local clock offset: 0.716 ms

Remote clock offset: 2.204 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 53.157 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 52.897 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 53.229 ms

Loss rate: 0.02%

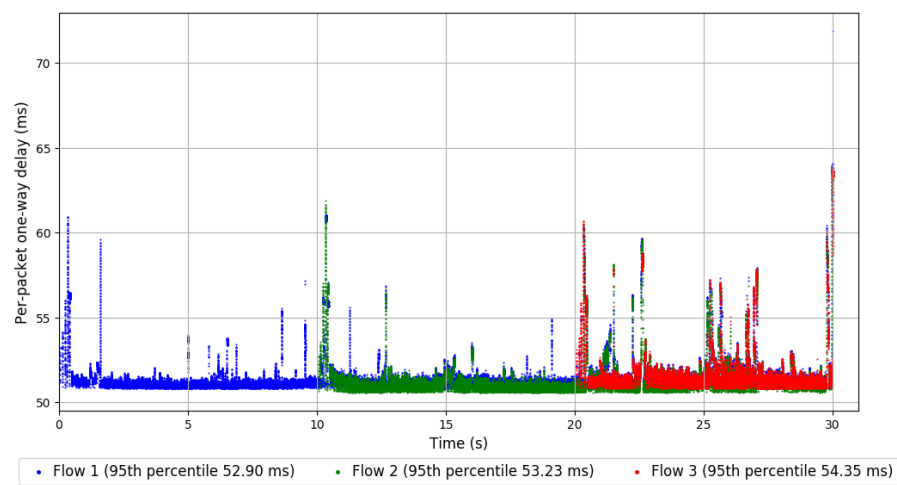
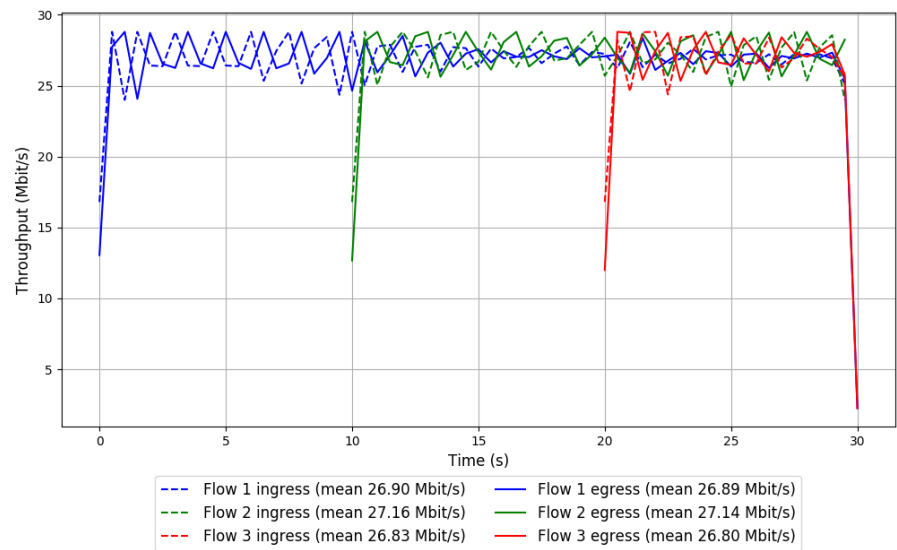
-- Flow 3:

Average throughput: 26.80 Mbit/s

95th percentile per-packet one-way delay: 54.350 ms

Loss rate: 0.00%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:29:56 +0000

End at: Sat, 29 Jul 2017 07:30:26 +0000

Local clock offset: 0.563 ms

Remote clock offset: 1.505 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: 55.528 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 54.947 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 55.467 ms

Loss rate: 0.11%

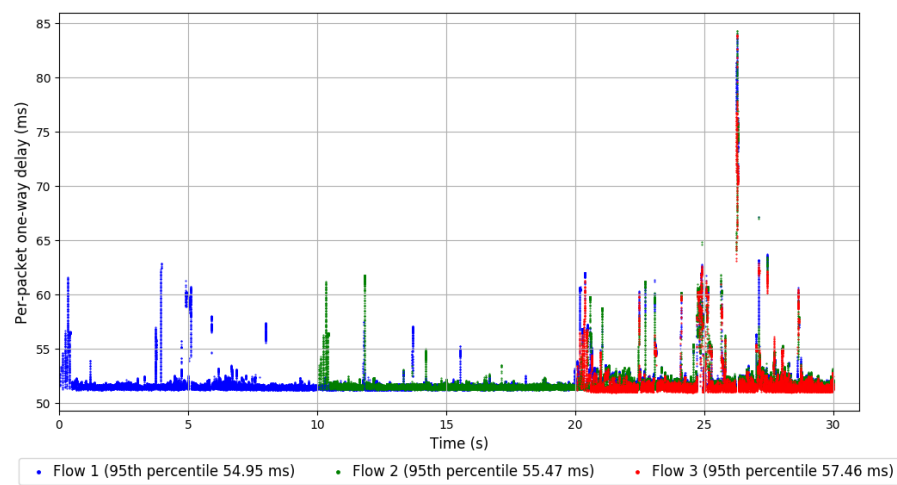
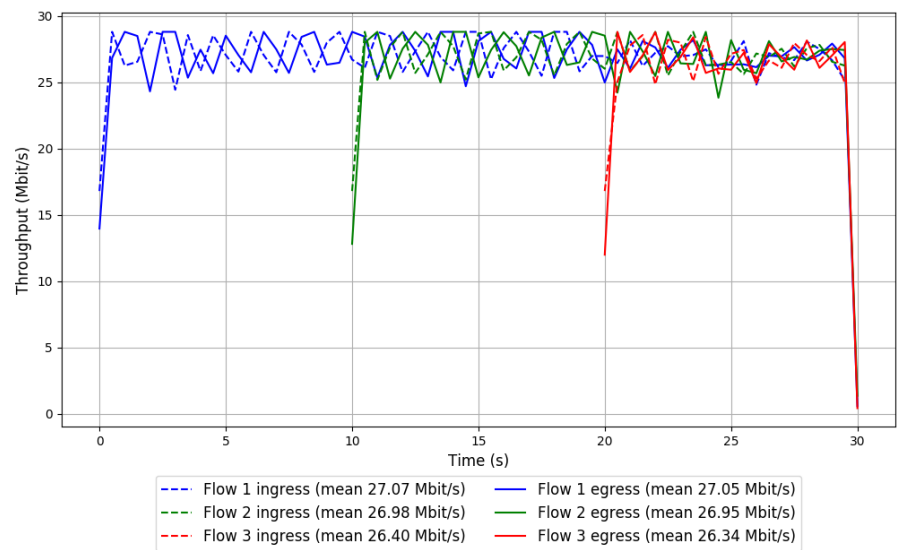
-- Flow 3:

Average throughput: 26.34 Mbit/s

95th percentile per-packet one-way delay: 57.461 ms

Loss rate: 0.23%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SReAM

Start at: Sat, 29 Jul 2017 04:31:54 +0000

End at: Sat, 29 Jul 2017 04:32:24 +0000

Local clock offset: -0.258 ms

Remote clock offset: 0.877 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 56.195 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.686 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.783 ms

Loss rate: 0.00%

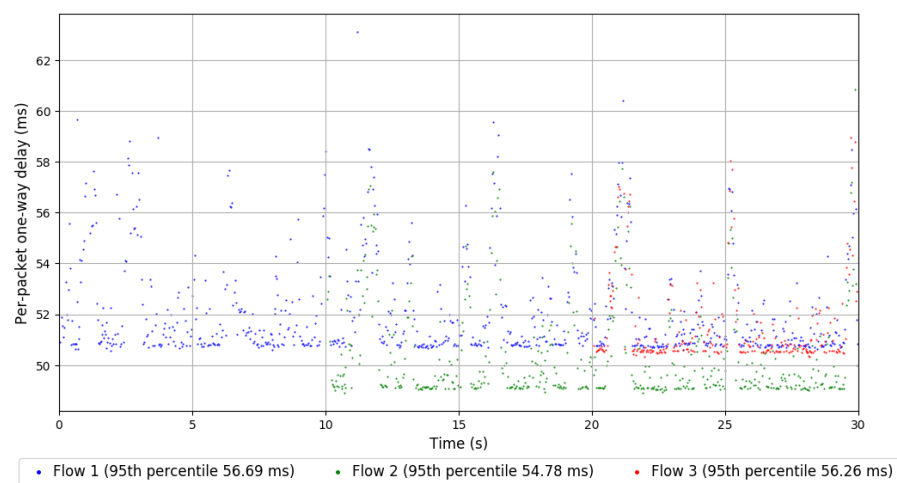
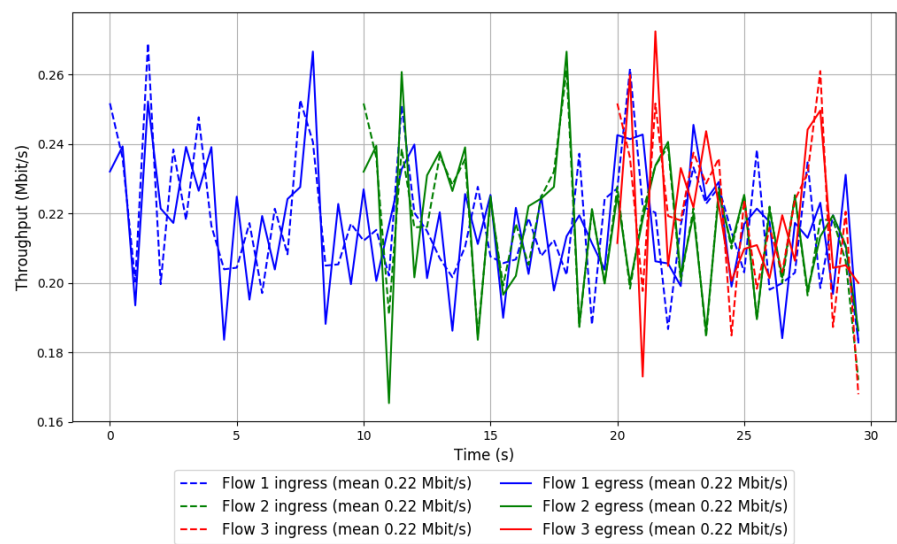
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.259 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: Sat, 29 Jul 2017 04:52:46 +0000

End at: Sat, 29 Jul 2017 04:53:16 +0000

Local clock offset: 0.176 ms

Remote clock offset: 1.587 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:53:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 55.280 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 55.566 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.674 ms

Loss rate: 0.00%

-- Flow 3:

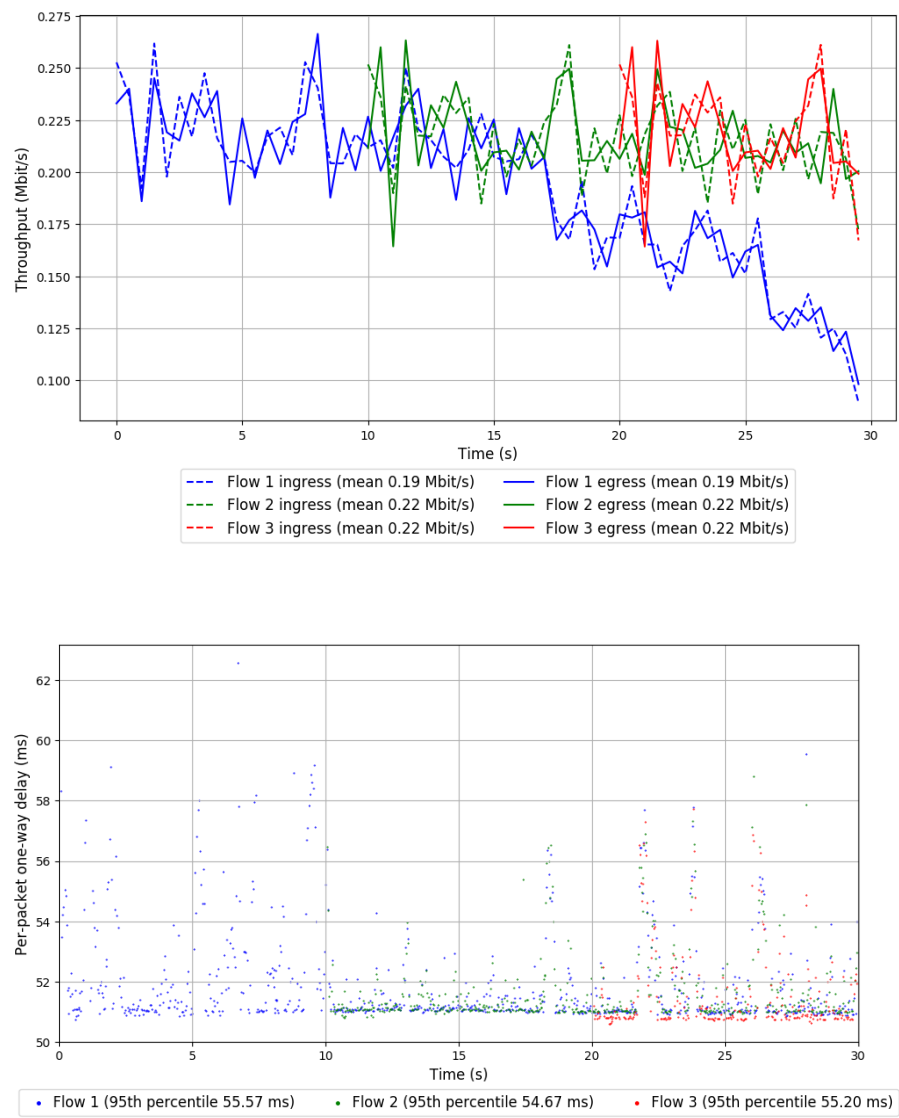
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 55.201 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: Sat, 29 Jul 2017 05:13:36 +0000

End at: Sat, 29 Jul 2017 05:14:06 +0000

Local clock offset: 0.368 ms

Remote clock offset: 1.361 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 52.557 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.569 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.057 ms

Loss rate: 0.00%

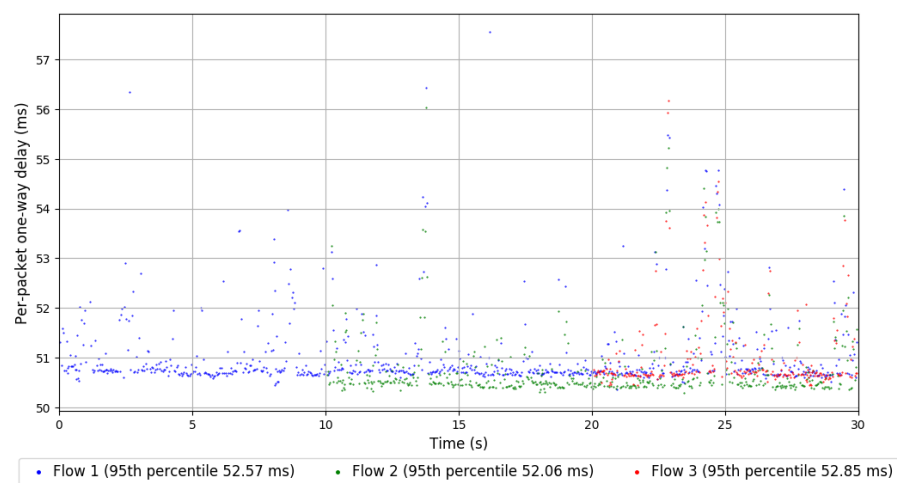
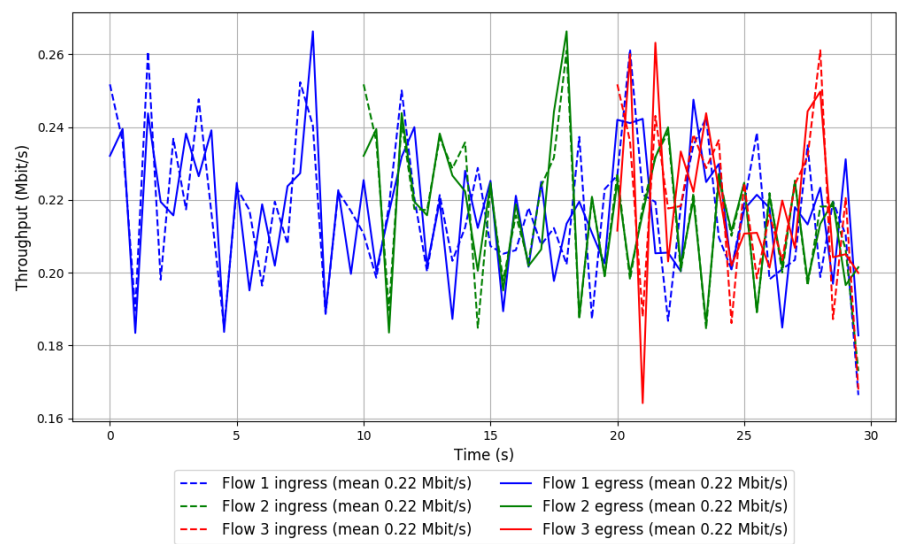
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.851 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: Sat, 29 Jul 2017 05:34:25 +0000

End at: Sat, 29 Jul 2017 05:34:55 +0000

Local clock offset: 0.417 ms

Remote clock offset: 1.996 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 52.138 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 52.452 ms

Loss rate: 0.00%

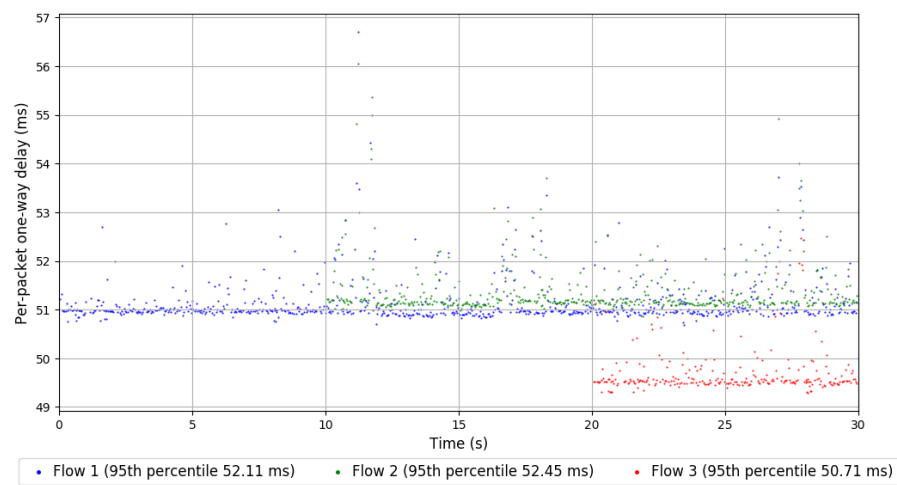
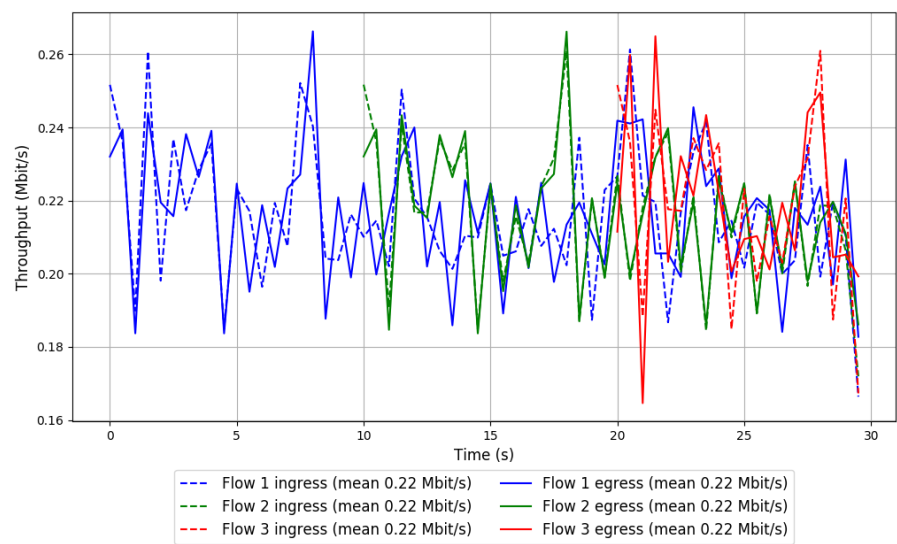
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.708 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: Sat, 29 Jul 2017 05:55:18 +0000

End at: Sat, 29 Jul 2017 05:55:48 +0000

Local clock offset: 0.56 ms

Remote clock offset: 1.619 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.610 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.814 ms

Loss rate: 0.00%

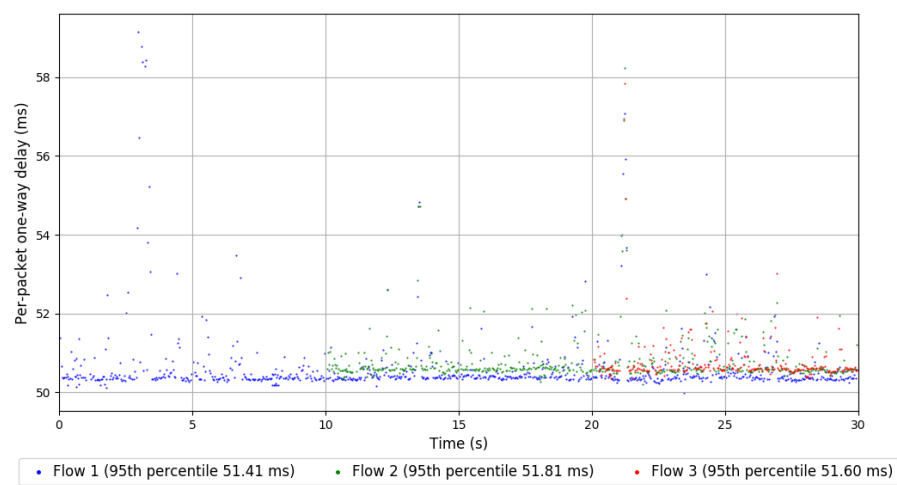
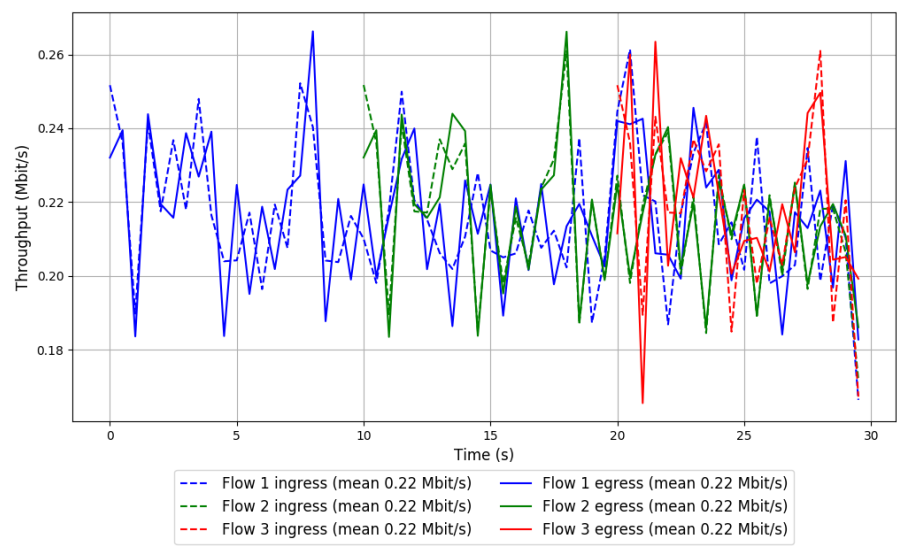
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.599 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 06:16:14 +0000

End at: Sat, 29 Jul 2017 06:16:44 +0000

Local clock offset: 0.669 ms

Remote clock offset: 2.36 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.942 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.136 ms

Loss rate: 0.00%

-- Flow 3:

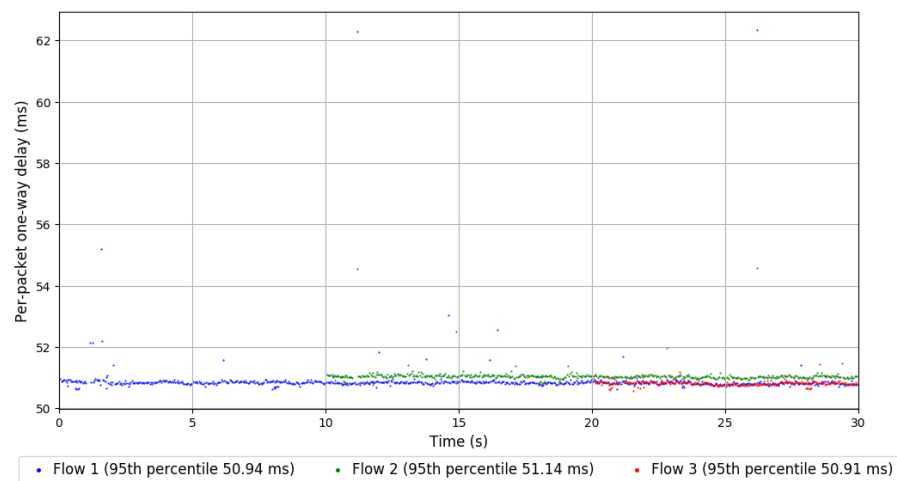
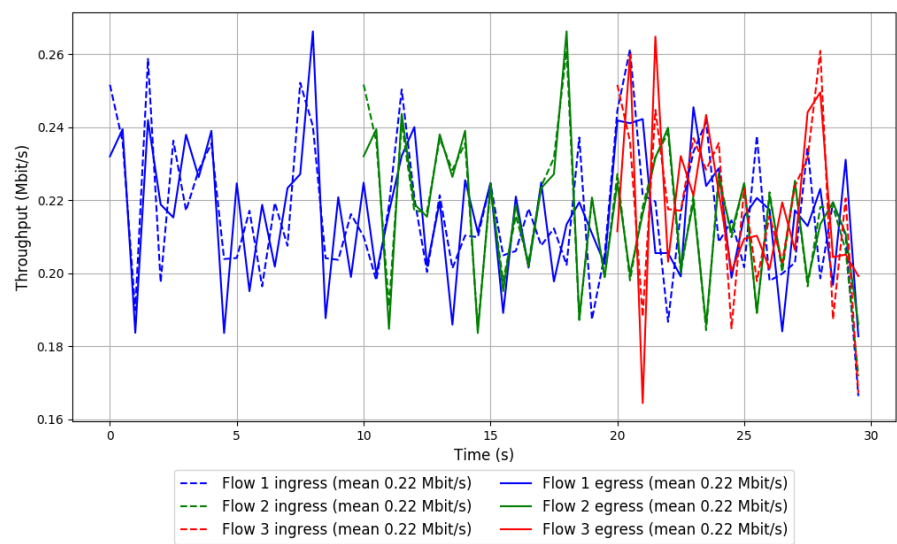
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.907 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:37:08 +0000

End at: Sat, 29 Jul 2017 06:37:38 +0000

Local clock offset: 0.577 ms

Remote clock offset: 0.082 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 48.751 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.821 ms

Loss rate: 0.00%

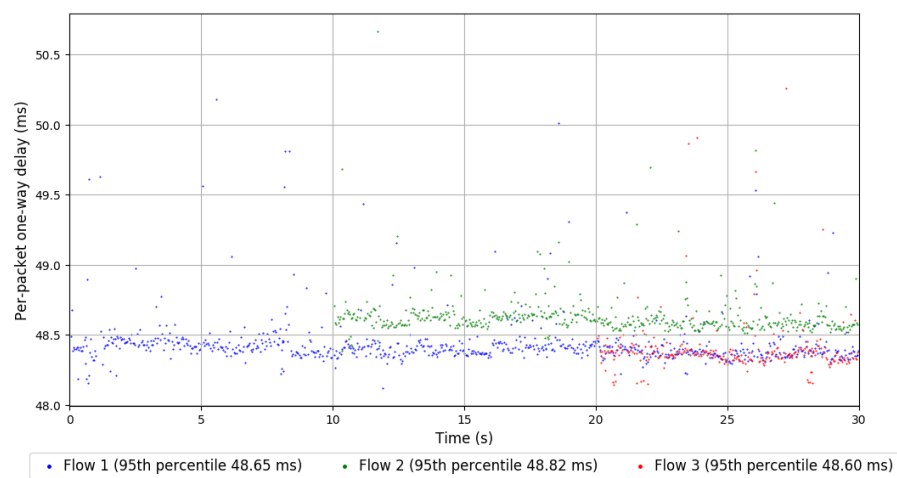
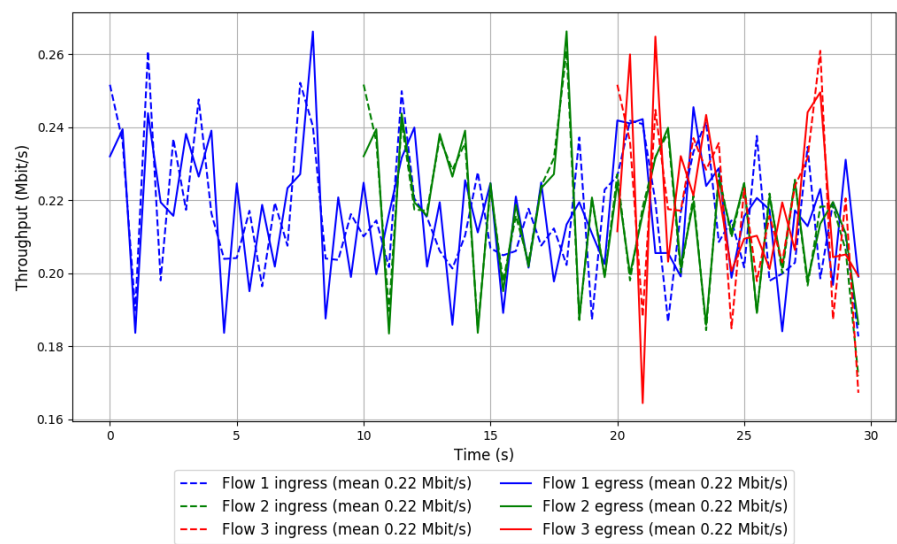
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:58:00 +0000

End at: Sat, 29 Jul 2017 06:58:30 +0000

Local clock offset: 0.705 ms

Remote clock offset: -0.056 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 48.671 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.707 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.487 ms

Loss rate: 0.00%

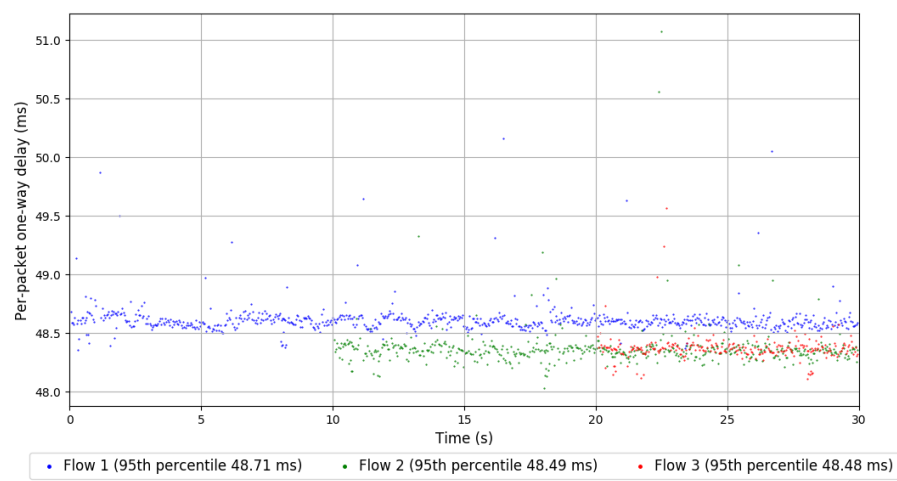
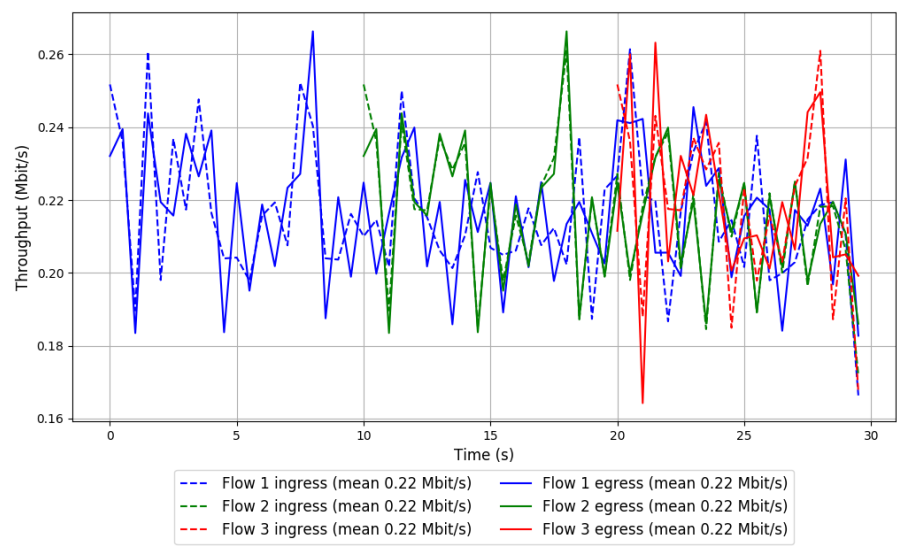
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.475 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: Sat, 29 Jul 2017 07:18:52 +0000

End at: Sat, 29 Jul 2017 07:19:22 +0000

Local clock offset: 0.593 ms

Remote clock offset: -0.52 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 48.664 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.474 ms

Loss rate: 0.00%

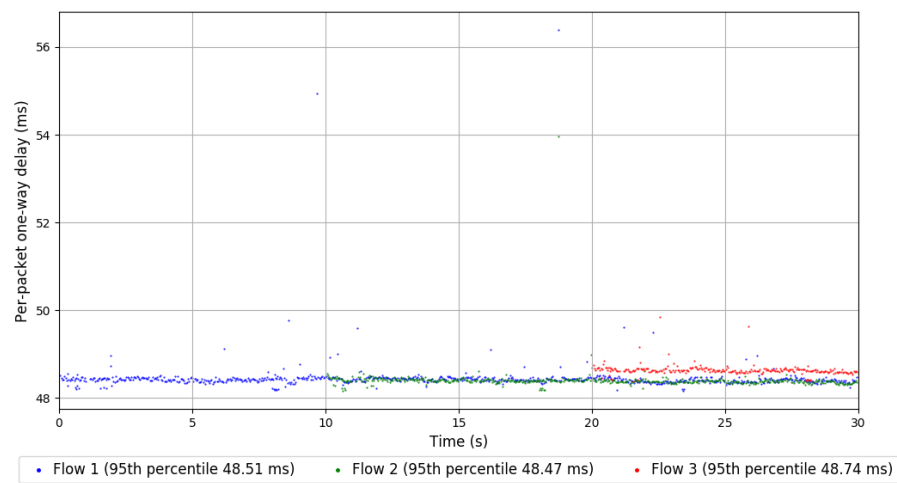
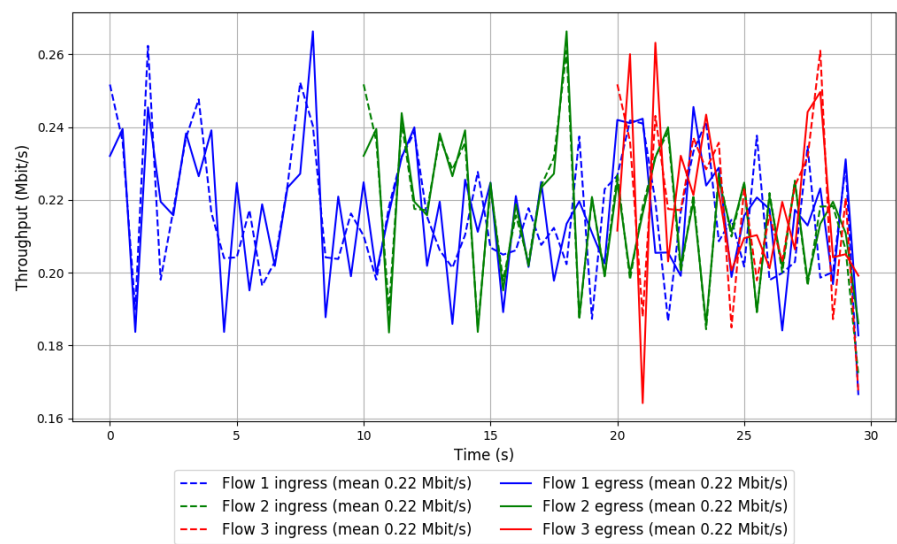
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.737 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 07:39:44 +0000

End at: Sat, 29 Jul 2017 07:40:14 +0000

Local clock offset: 0.626 ms

Remote clock offset: 0.77 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

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

Loss rate: 0.14%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.274 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 51.300 ms

Loss rate: 0.24%

-- Flow 3:

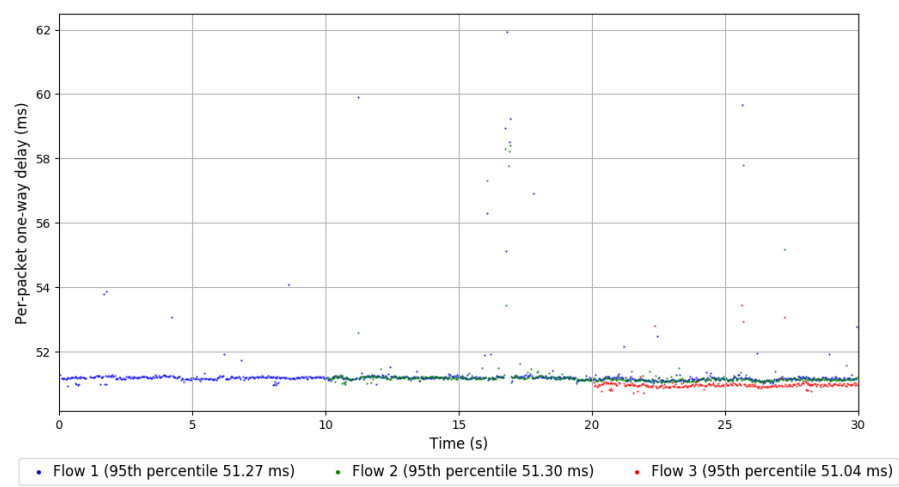
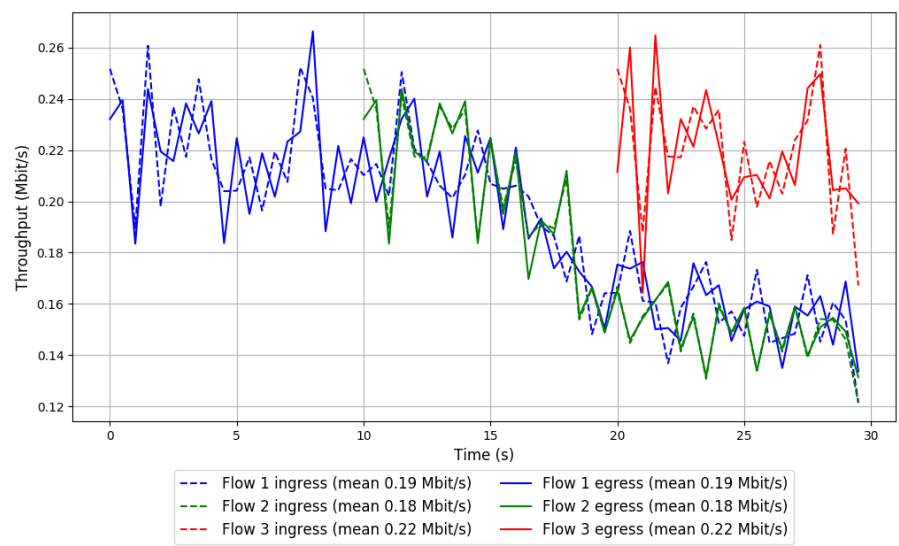
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.040 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:34:42 +0000

End at: Sat, 29 Jul 2017 04:35:12 +0000

Local clock offset: -0.124 ms

Remote clock offset: -1.088 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 57.972 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 57.737 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 58.238 ms

Loss rate: 0.26%

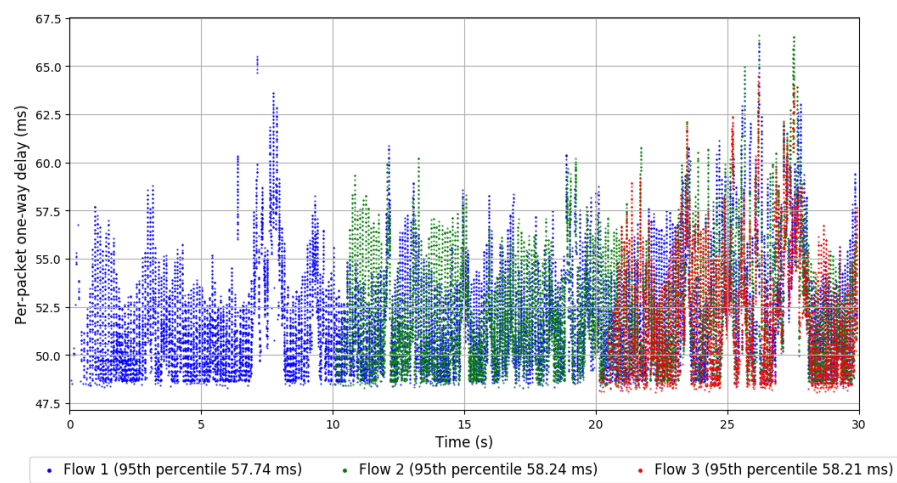
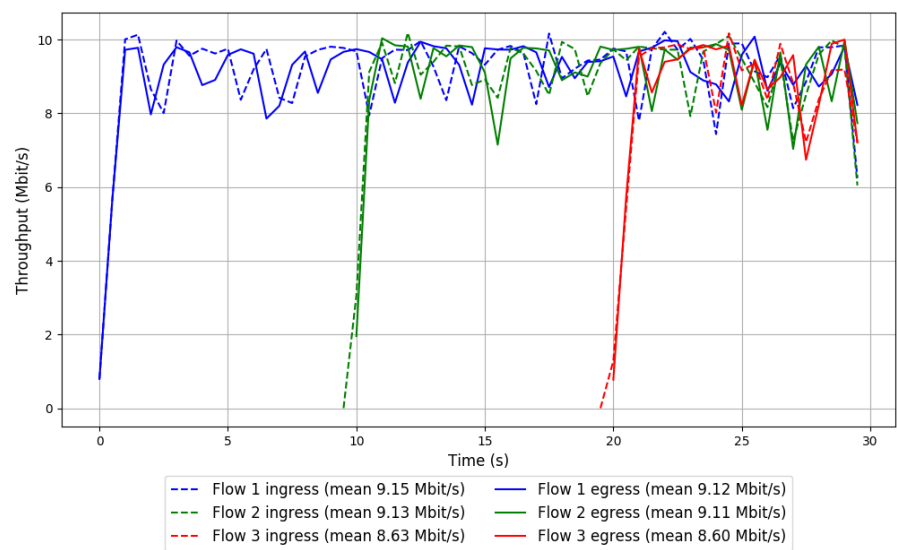
-- Flow 3:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 58.208 ms

Loss rate: 0.21%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:55:32 +0000

End at: Sat, 29 Jul 2017 04:56:02 +0000

Local clock offset: 0.201 ms

Remote clock offset: 1.677 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.37 Mbit/s

95th percentile per-packet one-way delay: 59.381 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 59.463 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 59.150 ms

Loss rate: 0.02%

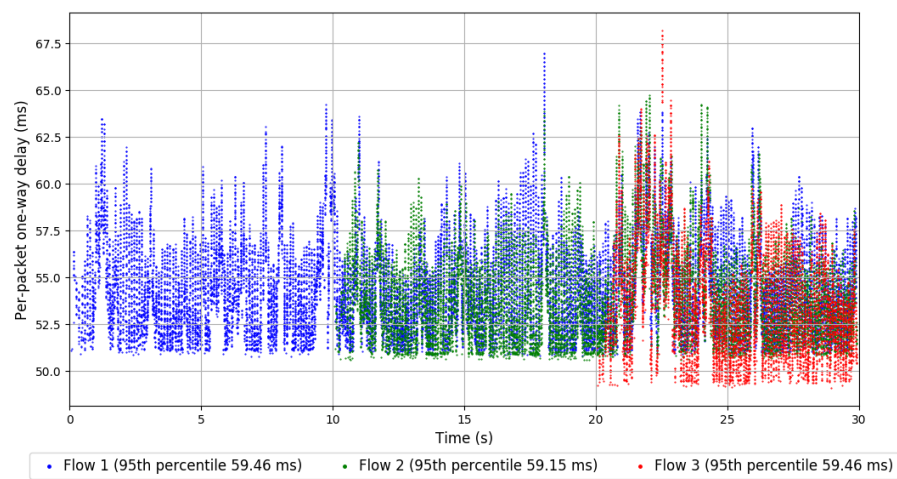
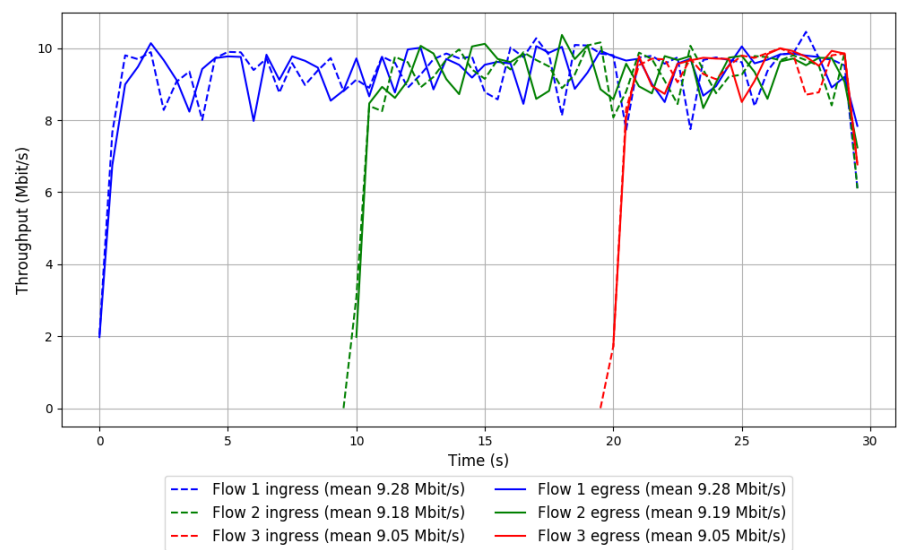
-- Flow 3:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 59.459 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:16:21 +0000

End at: Sat, 29 Jul 2017 05:16:51 +0000

Local clock offset: 0.427 ms

Remote clock offset: 1.486 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 58.335 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 58.656 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 57.620 ms

Loss rate: 0.28%

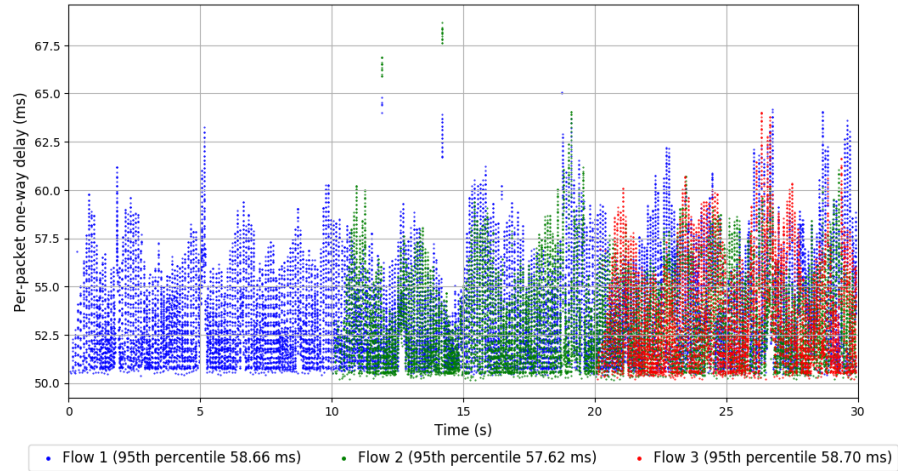
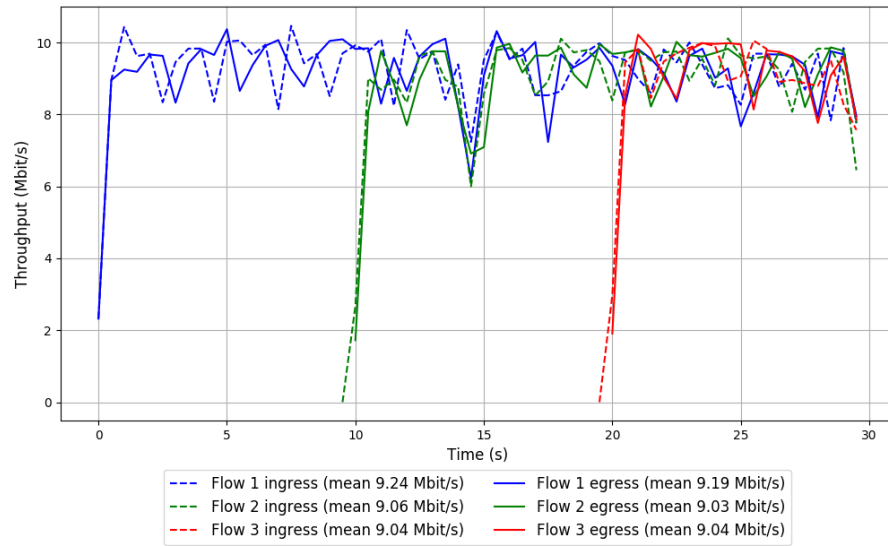
-- Flow 3:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 58.697 ms

Loss rate: 0.00%

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



#### Run 4: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:37:12 +0000

End at: Sat, 29 Jul 2017 05:37:42 +0000

Local clock offset: 0.444 ms

Remote clock offset: 1.537 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.37 Mbit/s

95th percentile per-packet one-way delay: 57.482 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 57.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 56.961 ms

Loss rate: 0.00%

-- Flow 3:

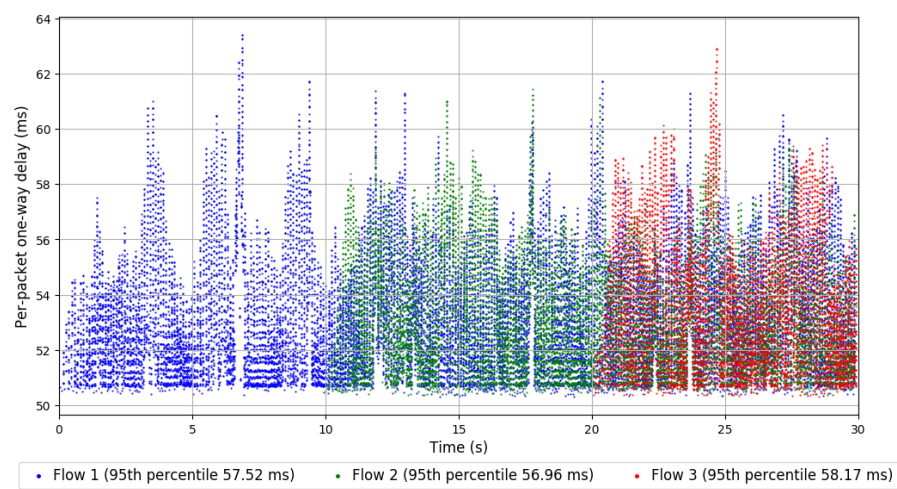
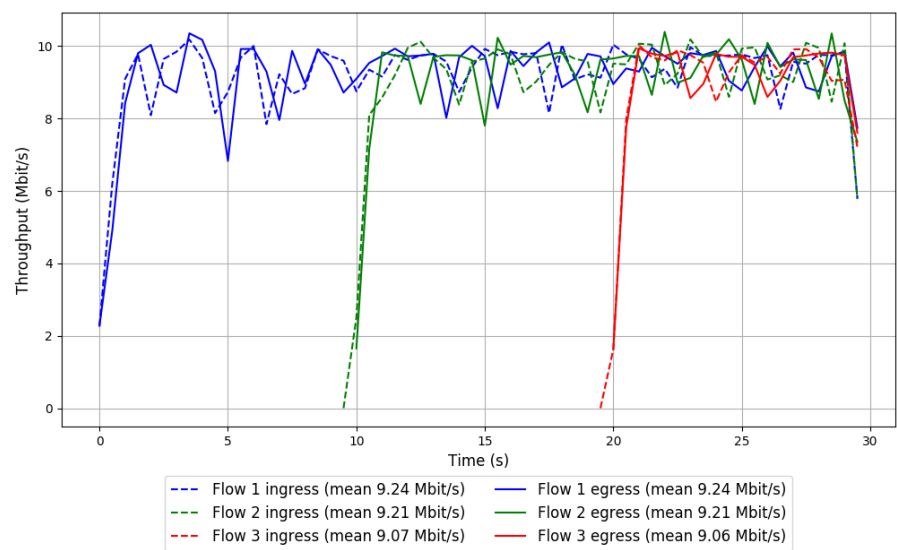
Average throughput: 9.06 Mbit/s

95th percentile per-packet one-way delay: 58.169 ms

Loss rate: 0.00%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:58:05 +0000

End at: Sat, 29 Jul 2017 05:58:35 +0000

Local clock offset: 0.574 ms

Remote clock offset: -0.401 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.45 Mbit/s

95th percentile per-packet one-way delay: 55.033 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 54.550 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 55.235 ms

Loss rate: 0.00%

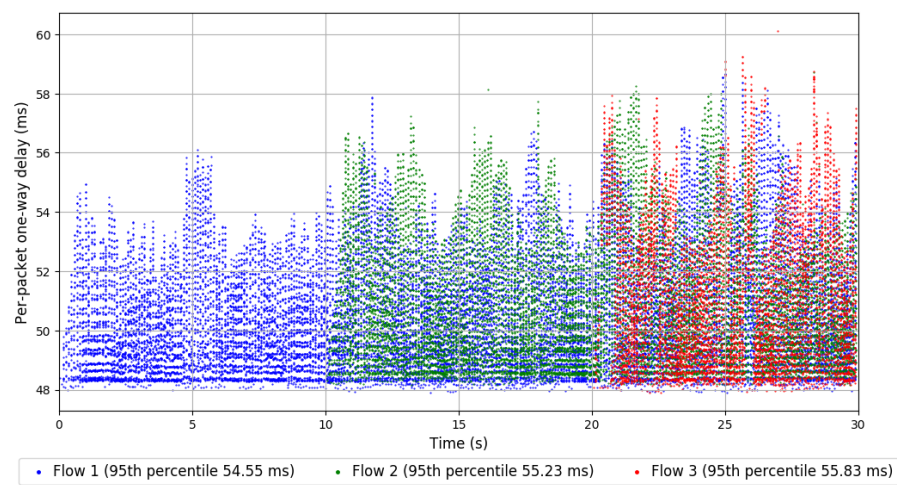
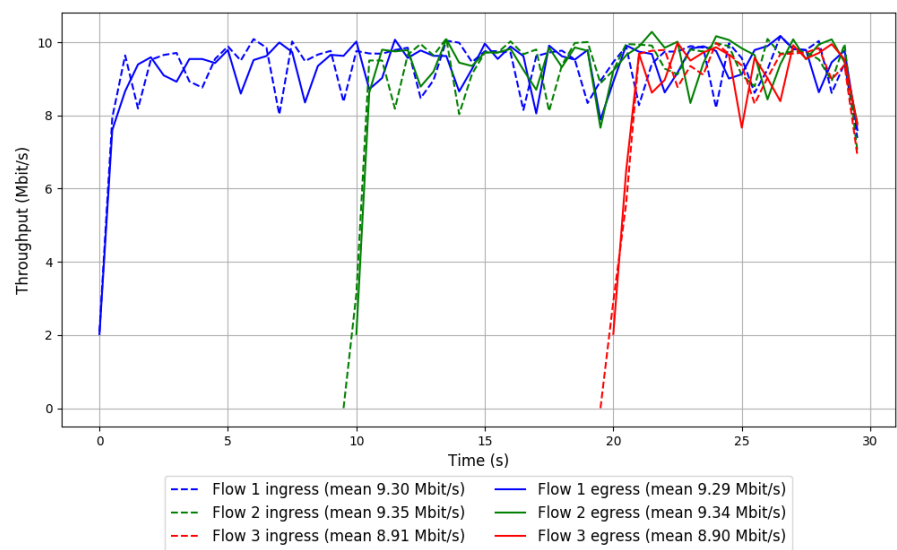
-- Flow 3:

Average throughput: 8.90 Mbit/s

95th percentile per-packet one-way delay: 55.828 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:19:01 +0000

End at: Sat, 29 Jul 2017 06:19:31 +0000

Local clock offset: 0.639 ms

Remote clock offset: -0.201 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.23 Mbit/s

95th percentile per-packet one-way delay: 55.269 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 55.491 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 54.780 ms

Loss rate: 0.03%

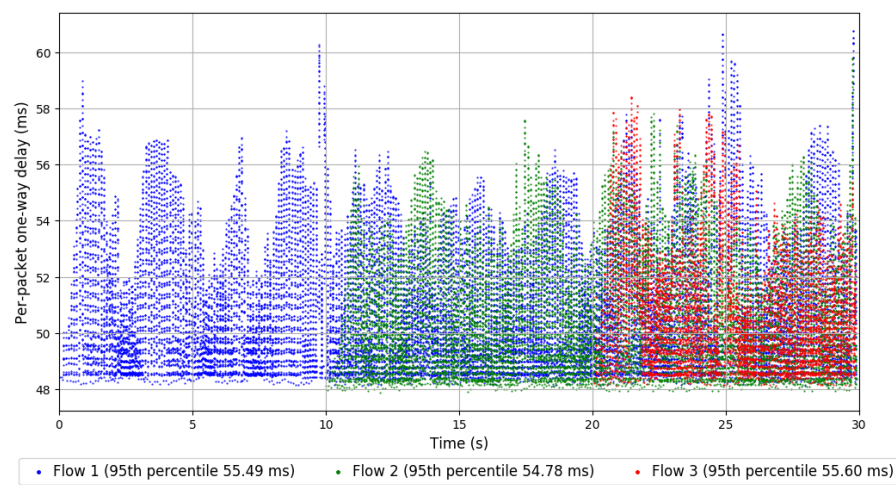
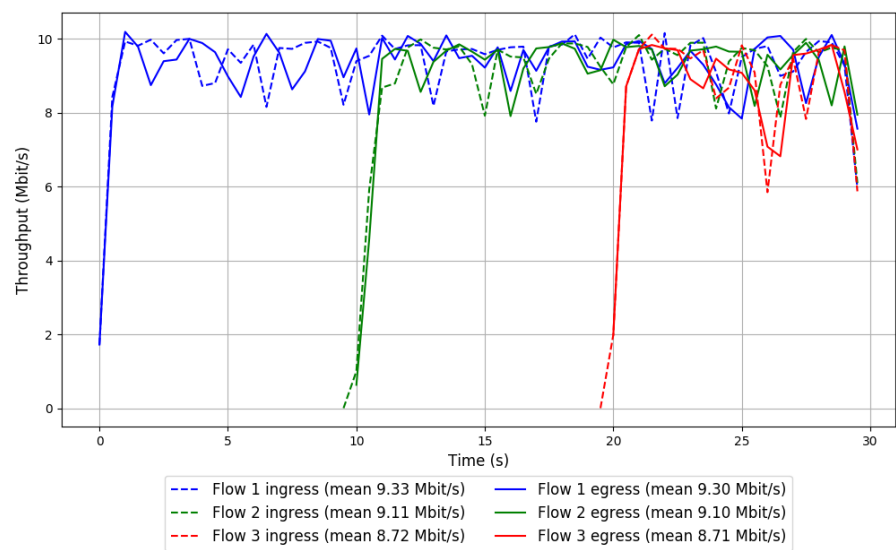
-- Flow 3:

Average throughput: 8.71 Mbit/s

95th percentile per-packet one-way delay: 55.600 ms

Loss rate: 0.19%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:39:53 +0000

End at: Sat, 29 Jul 2017 06:40:23 +0000

Local clock offset: 0.684 ms

Remote clock offset: 2.707 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 57.876 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 9.27 Mbit/s

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

Loss rate: 0.10%

-- Flow 2:

Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 57.936 ms

Loss rate: 0.00%

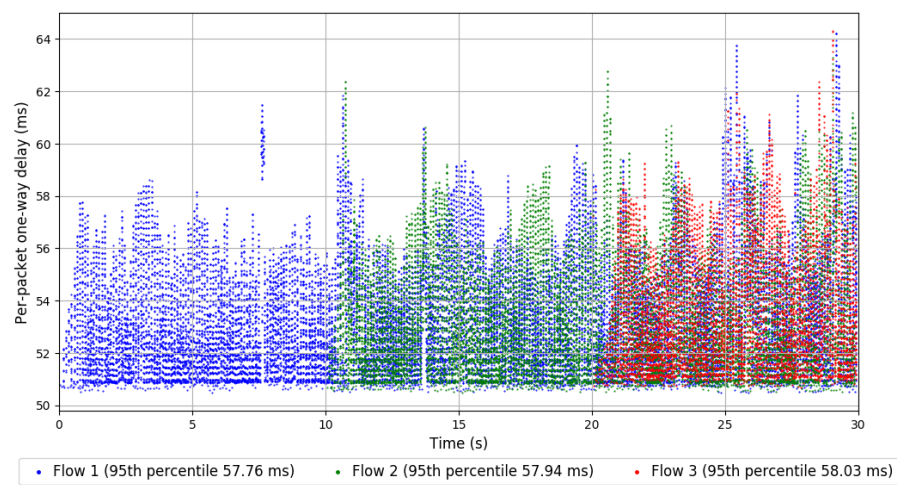
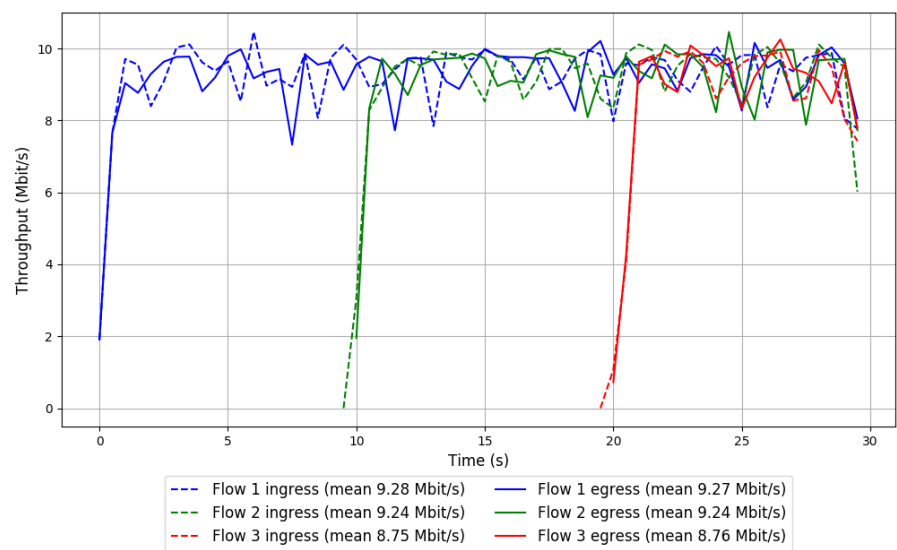
-- Flow 3:

Average throughput: 8.76 Mbit/s

95th percentile per-packet one-way delay: 58.034 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:00:45 +0000

End at: Sat, 29 Jul 2017 07:01:15 +0000

Local clock offset: 0.693 ms

Remote clock offset: 2.306 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 57.578 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 57.636 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 56.646 ms

Loss rate: 0.00%

-- Flow 3:

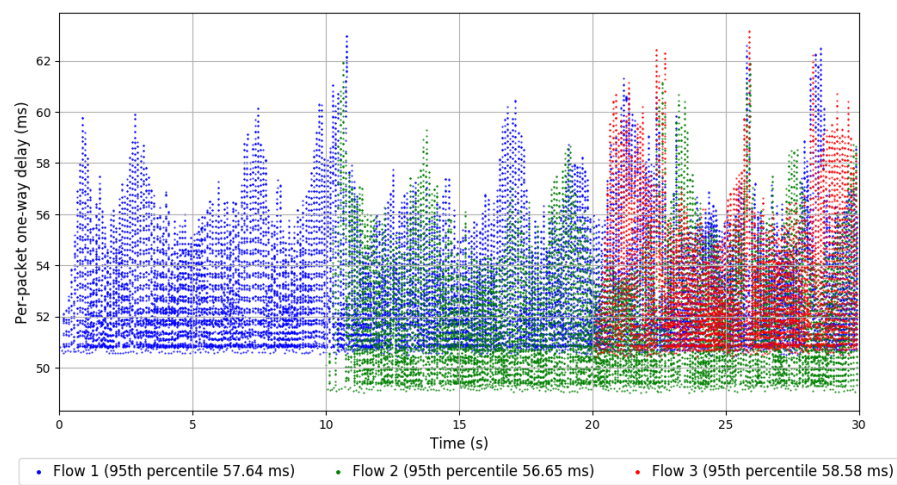
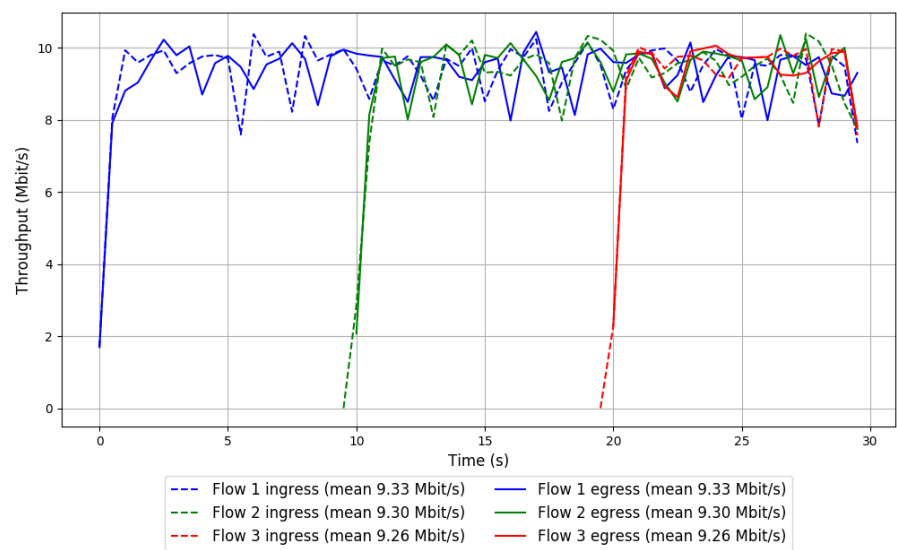
Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 58.579 ms

Loss rate: 0.00%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:21:37 +0000

End at: Sat, 29 Jul 2017 07:22:07 +0000

Local clock offset: 0.607 ms

Remote clock offset: -0.516 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.47 Mbit/s

95th percentile per-packet one-way delay: 55.905 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 55.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 56.231 ms

Loss rate: 0.00%

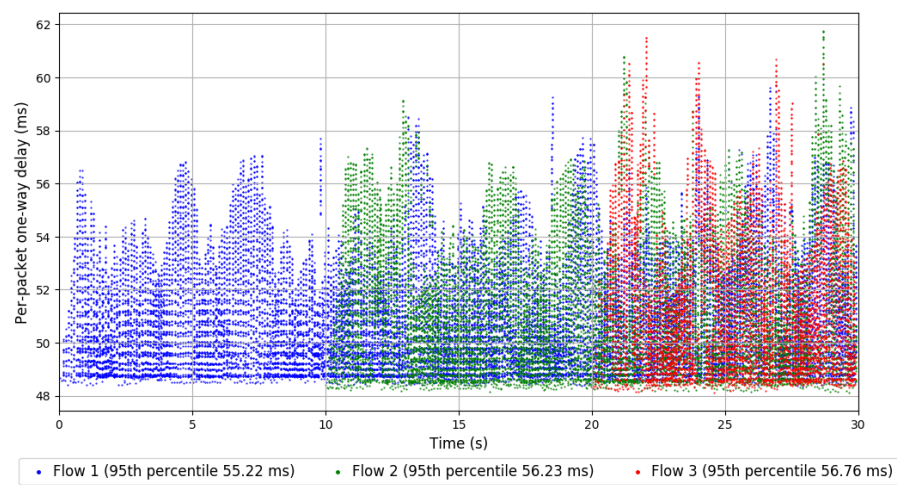
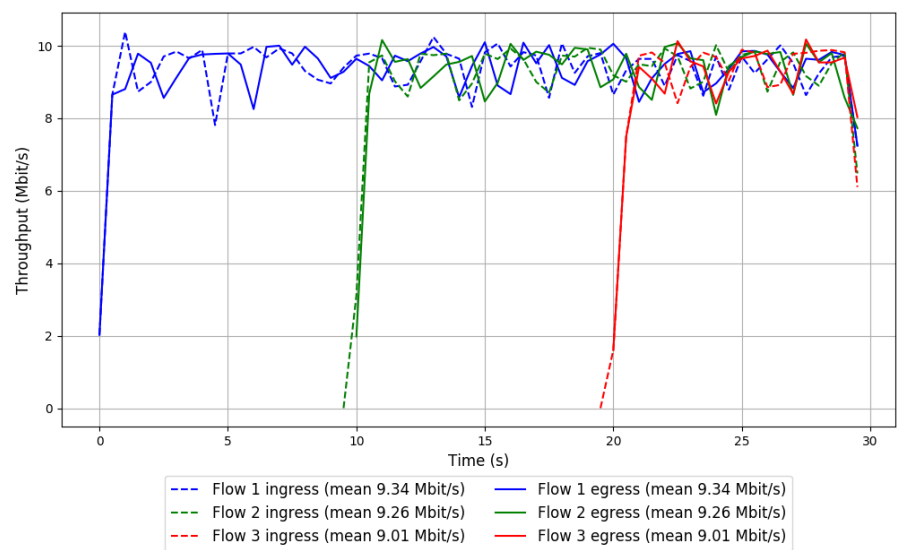
-- Flow 3:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 56.762 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:42:29 +0000

End at: Sat, 29 Jul 2017 07:42:59 +0000

Local clock offset: 0.732 ms

Remote clock offset: -1.902 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.49 Mbit/s

95th percentile per-packet one-way delay: 55.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 55.189 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 55.466 ms

Loss rate: 0.00%

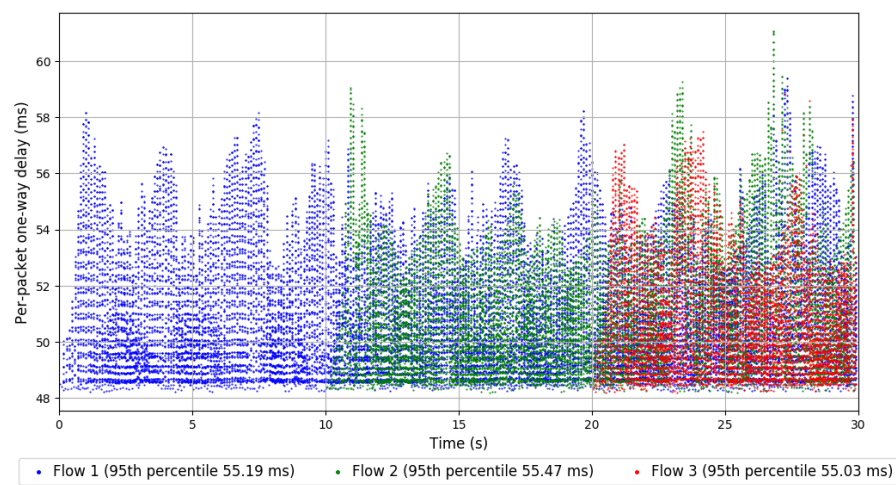
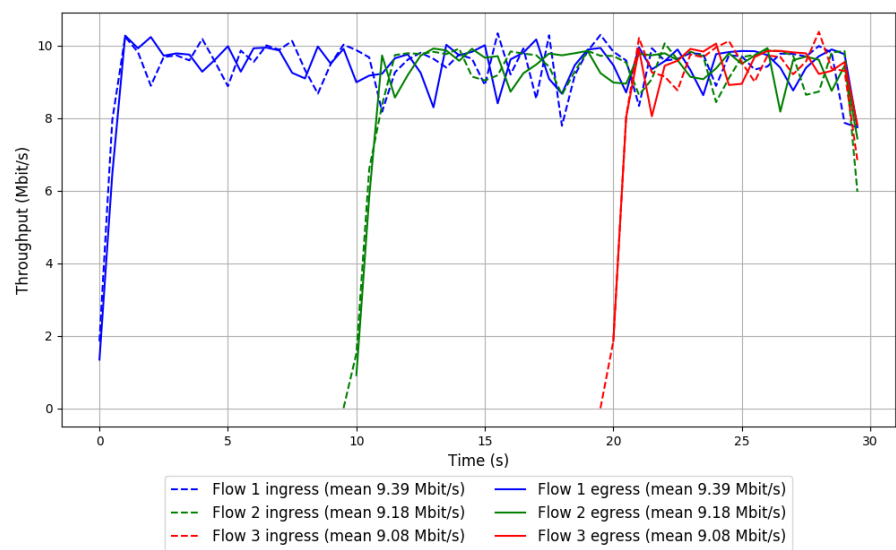
-- Flow 3:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:26:16 +0000

End at: Sat, 29 Jul 2017 04:26:46 +0000

Local clock offset: -0.279 ms

Remote clock offset: 1.232 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 82.812 ms

Loss rate: 12.65%

-- Flow 1:

Average throughput: 55.59 Mbit/s

95th percentile per-packet one-way delay: 80.760 ms

Loss rate: 9.66%

-- Flow 2:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 83.908 ms

Loss rate: 18.50%

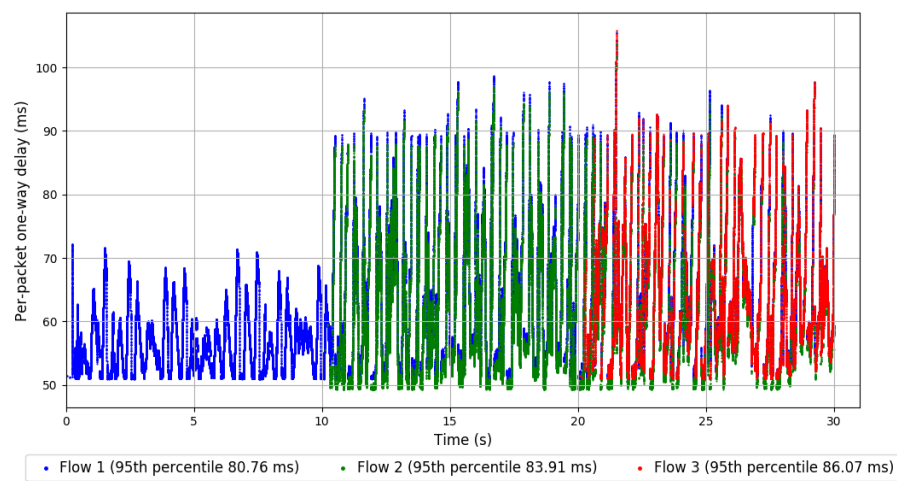
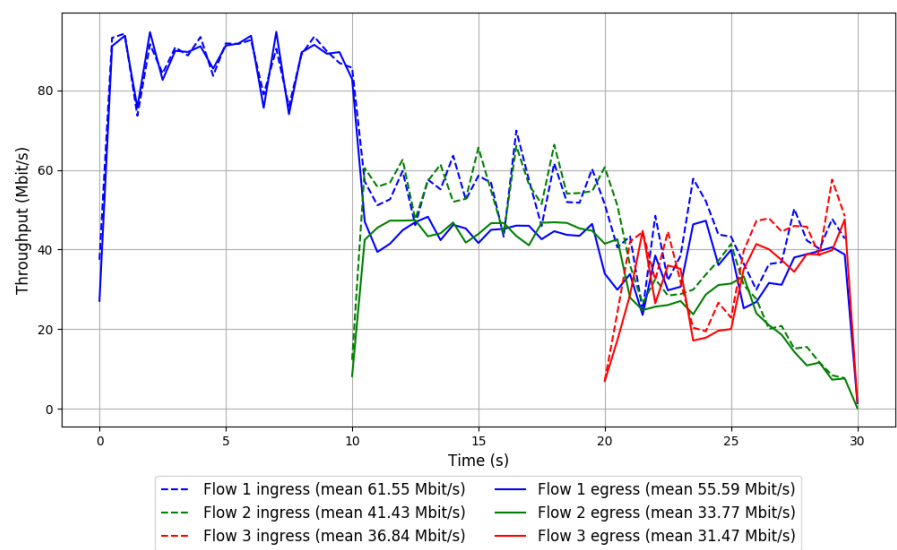
-- Flow 3:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 86.069 ms

Loss rate: 14.54%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:47:10 +0000

End at: Sat, 29 Jul 2017 04:47:40 +0000

Local clock offset: 0.001 ms

Remote clock offset: 1.056 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:54:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 83.787 ms

Loss rate: 12.55%

-- Flow 1:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 80.124 ms

Loss rate: 8.58%

-- Flow 2:

Average throughput: 42.37 Mbit/s

95th percentile per-packet one-way delay: 85.999 ms

Loss rate: 17.43%

-- Flow 3:

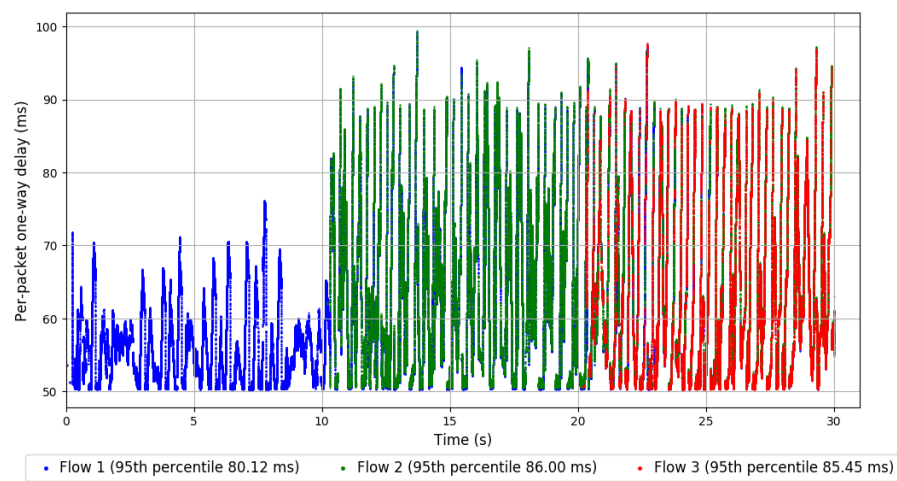
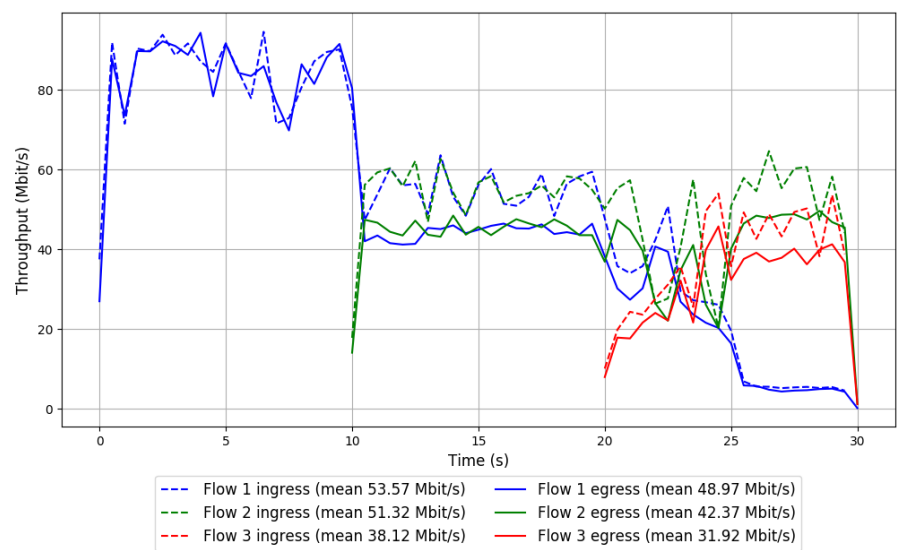
Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 85.452 ms

Loss rate: 16.17%



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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:07:58 +0000

End at: Sat, 29 Jul 2017 05:08:28 +0000

Local clock offset: 0.282 ms

Remote clock offset: -0.702 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.52 Mbit/s

95th percentile per-packet one-way delay: 80.831 ms

Loss rate: 13.66%

-- Flow 1:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 77.303 ms

Loss rate: 9.09%

-- Flow 2:

Average throughput: 42.60 Mbit/s

95th percentile per-packet one-way delay: 82.541 ms

Loss rate: 18.44%

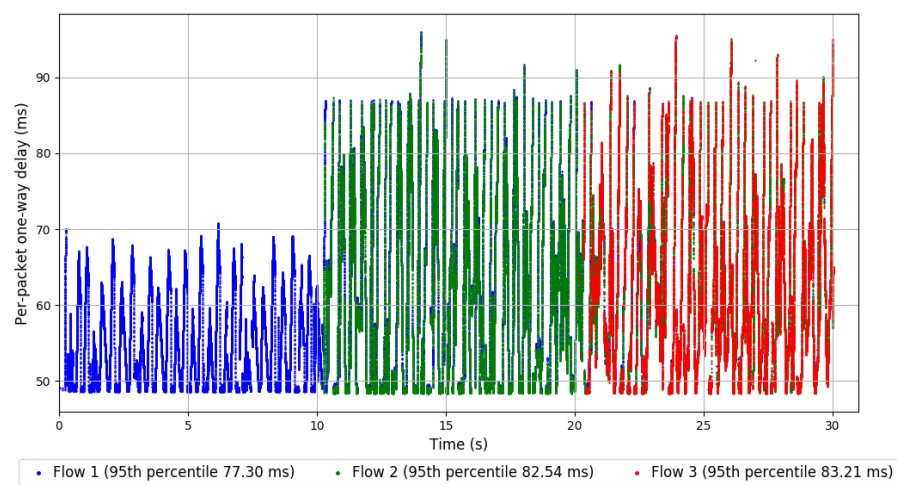
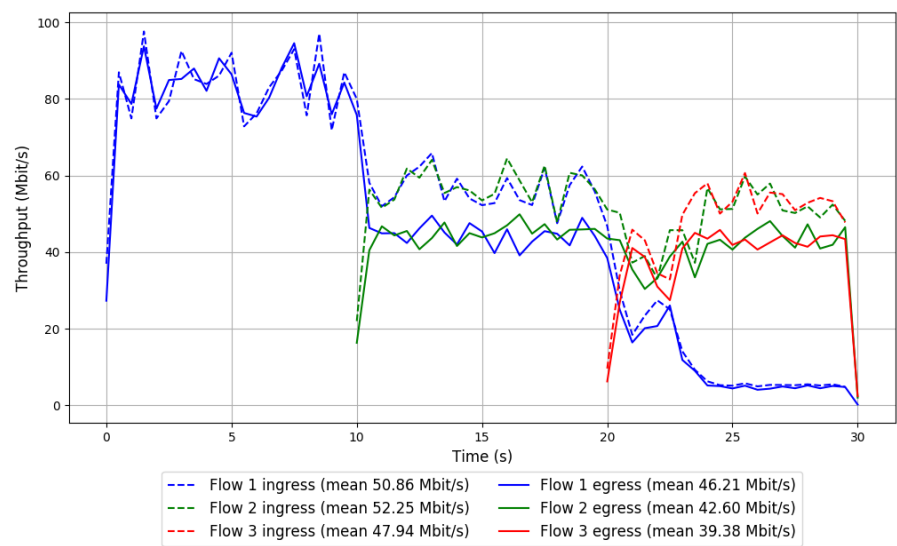
-- Flow 3:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 83.209 ms

Loss rate: 17.88%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:28:48 +0000

End at: Sat, 29 Jul 2017 05:29:18 +0000

Local clock offset: 0.48 ms

Remote clock offset: -0.575 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 81.906 ms

Loss rate: 14.13%

-- Flow 1:

Average throughput: 56.15 Mbit/s

95th percentile per-packet one-way delay: 80.179 ms

Loss rate: 10.87%

-- Flow 2:

Average throughput: 43.63 Mbit/s

95th percentile per-packet one-way delay: 83.899 ms

Loss rate: 19.66%

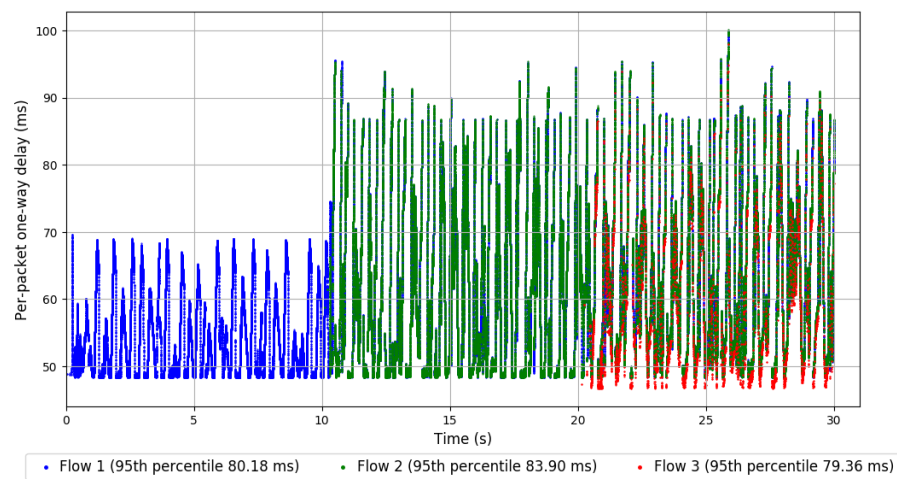
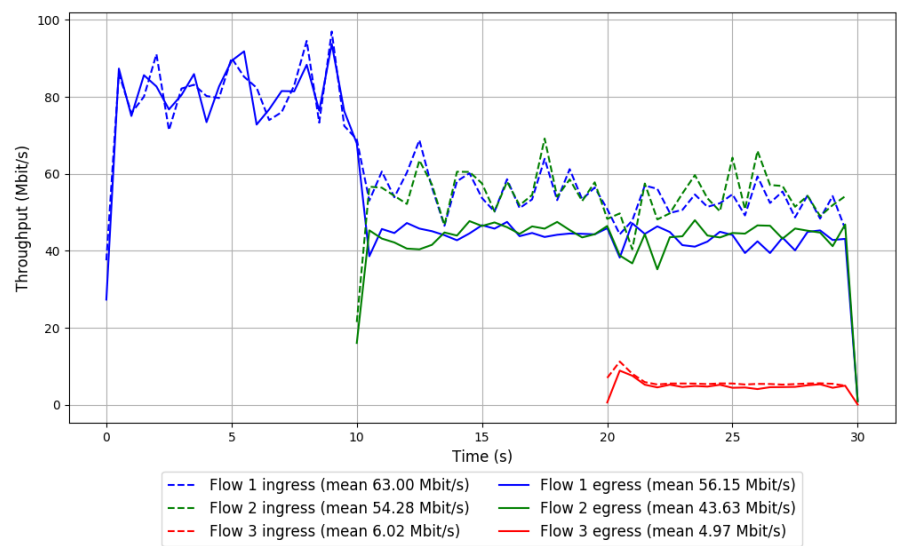
-- Flow 3:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 79.359 ms

Loss rate: 17.44%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:49:40 +0000

End at: Sat, 29 Jul 2017 05:50:10 +0000

Local clock offset: 0.572 ms

Remote clock offset: -0.311 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 80.338 ms

Loss rate: 14.50%

-- Flow 1:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 78.547 ms

Loss rate: 11.19%

-- Flow 2:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 82.152 ms

Loss rate: 20.07%

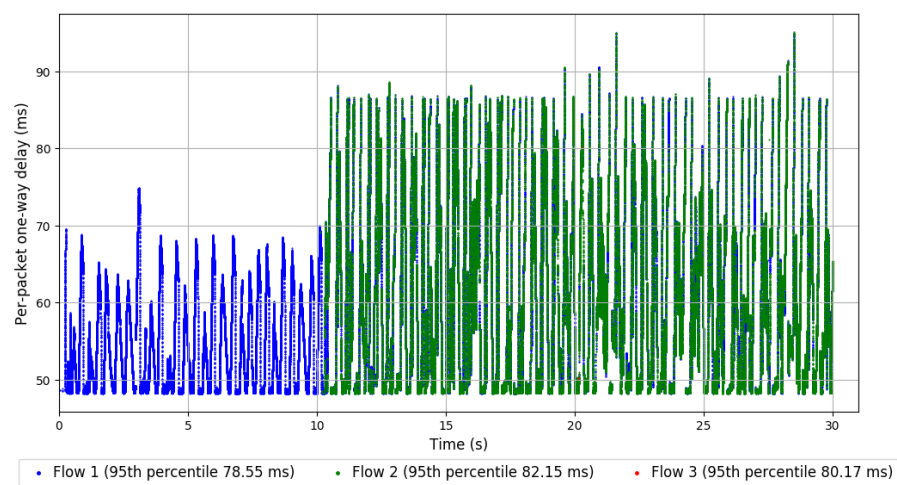
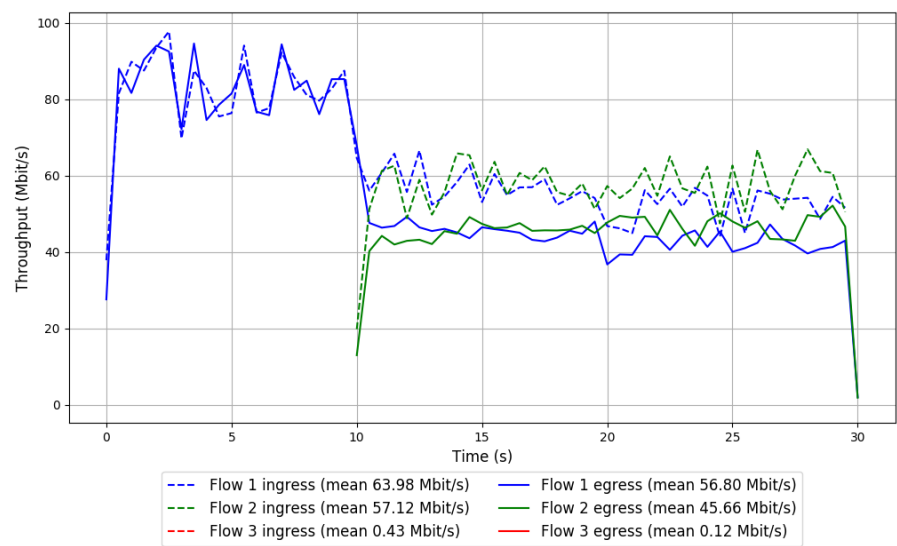
-- Flow 3:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 80.169 ms

Loss rate: 64.12%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:10:37 +0000

End at: Sat, 29 Jul 2017 06:11:07 +0000

Local clock offset: 0.544 ms

Remote clock offset: 1.938 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 82.691 ms

Loss rate: 13.91%

-- Flow 1:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 78.658 ms

Loss rate: 8.19%

-- Flow 2:

Average throughput: 44.22 Mbit/s

95th percentile per-packet one-way delay: 84.952 ms

Loss rate: 19.21%

-- Flow 3:

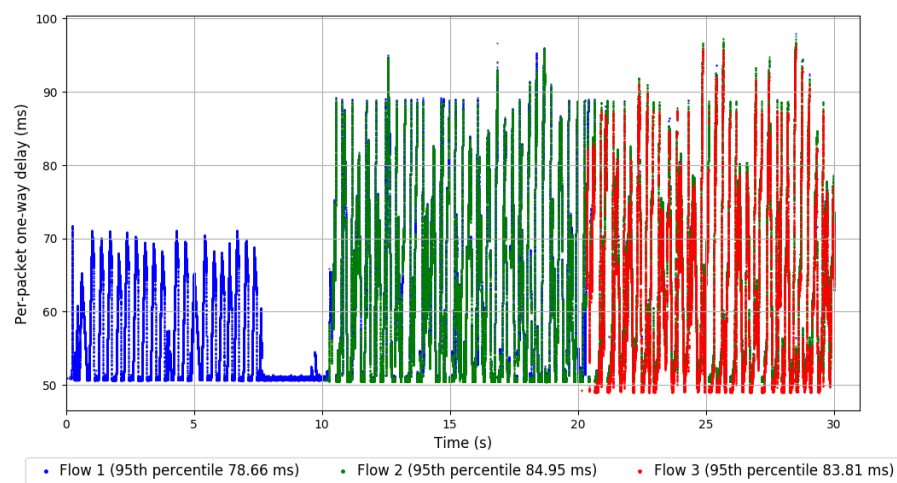
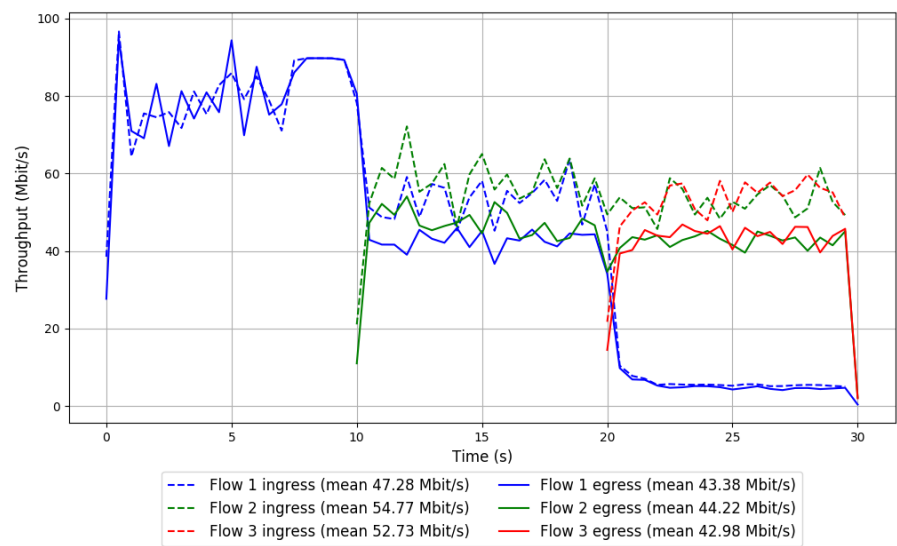
Average throughput: 42.98 Mbit/s

95th percentile per-packet one-way delay: 83.814 ms

Loss rate: 18.36%



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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:31:32 +0000

End at: Sat, 29 Jul 2017 06:32:02 +0000

Local clock offset: 0.662 ms

Remote clock offset: 2.064 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 82.505 ms

Loss rate: 12.81%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 81.025 ms

Loss rate: 9.46%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 83.142 ms

Loss rate: 17.72%

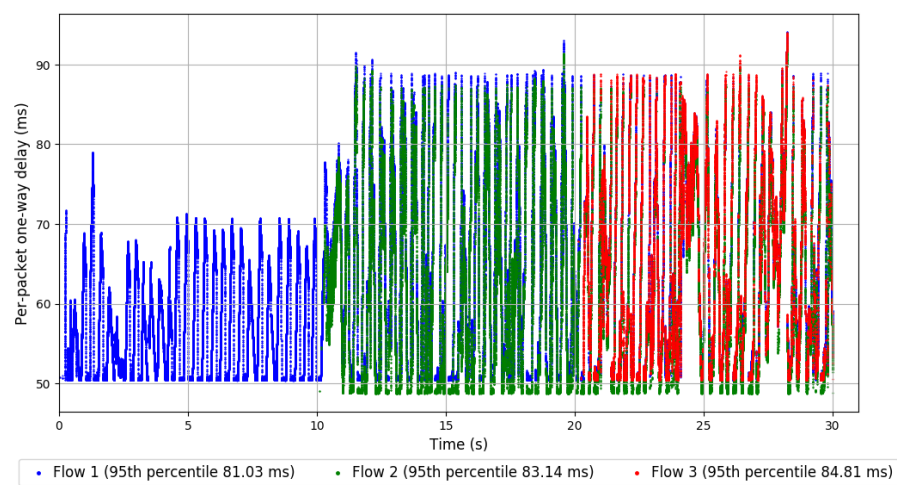
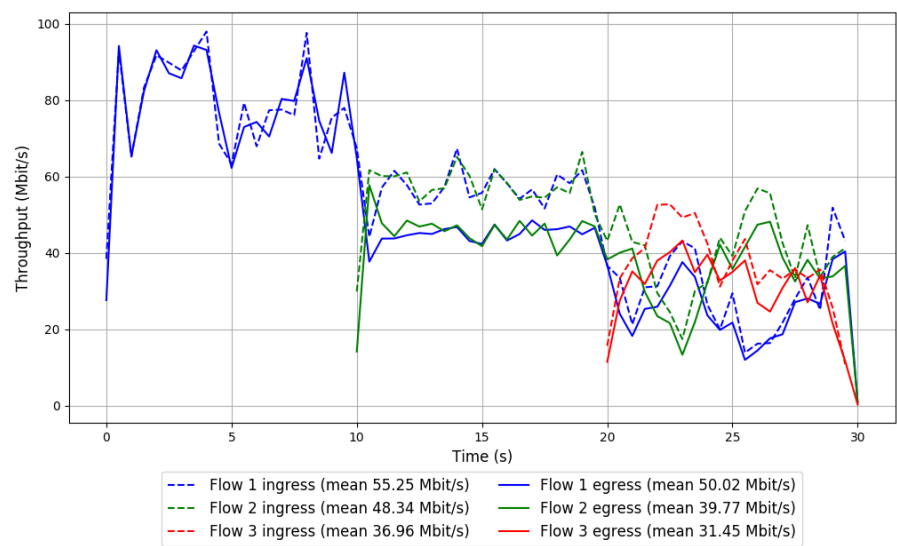
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 84.810 ms

Loss rate: 15.08%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:52:21 +0000

End at: Sat, 29 Jul 2017 06:52:51 +0000

Local clock offset: 0.6 ms

Remote clock offset: 2.473 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:55:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 81.583 ms

Loss rate: 12.62%

-- Flow 1:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 79.977 ms

Loss rate: 9.90%

-- Flow 2:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 82.607 ms

Loss rate: 17.41%

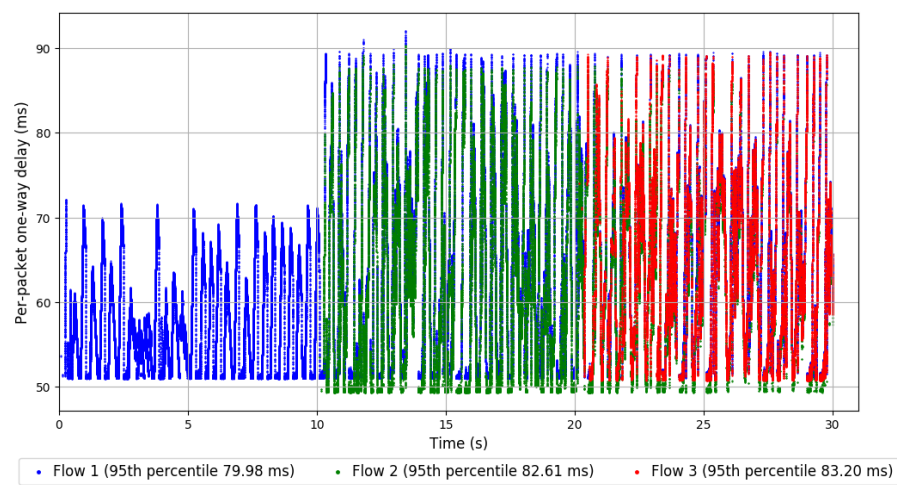
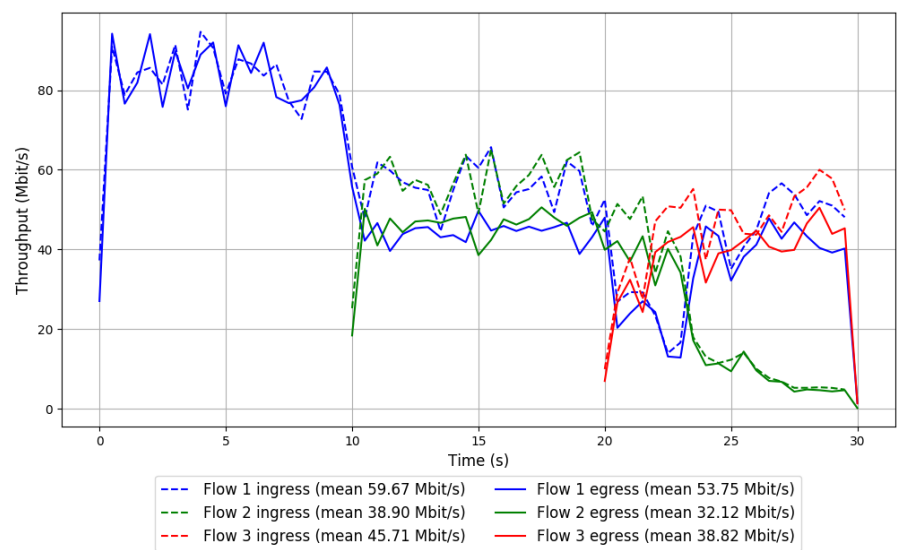
-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 83.205 ms

Loss rate: 15.21%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:13:15 +0000

End at: Sat, 29 Jul 2017 07:13:45 +0000

Local clock offset: 0.631 ms

Remote clock offset: 1.732 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 82.901 ms

Loss rate: 12.47%

-- Flow 1:

Average throughput: 44.31 Mbit/s

95th percentile per-packet one-way delay: 79.490 ms

Loss rate: 8.77%

-- Flow 2:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 84.183 ms

Loss rate: 17.11%

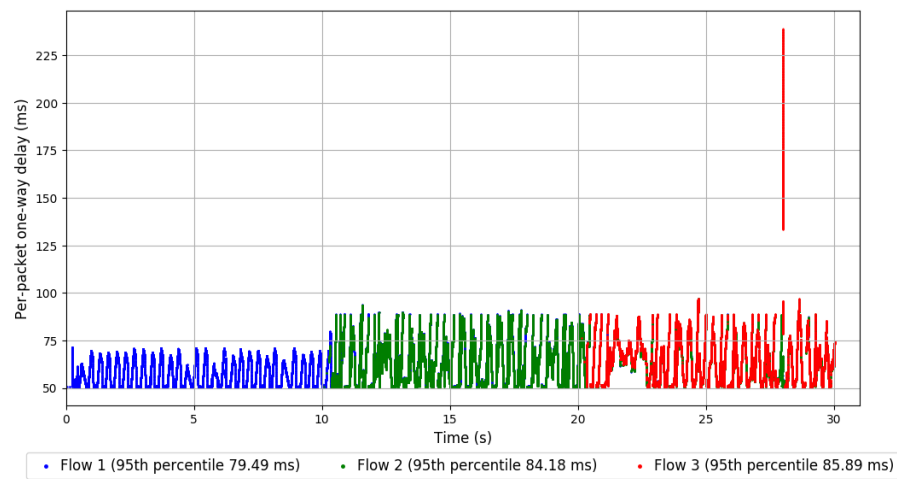
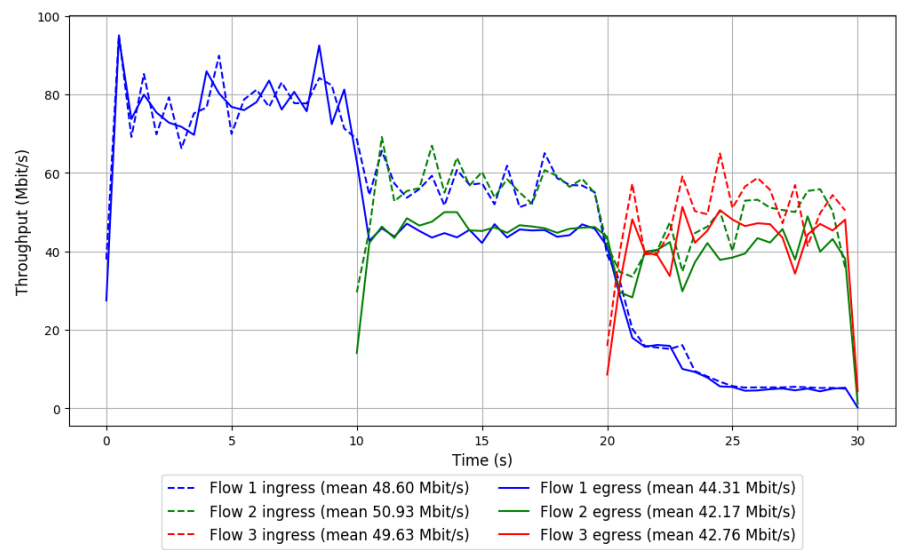
-- Flow 3:

Average throughput: 42.76 Mbit/s

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

Loss rate: 13.86%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:34:05 +0000

End at: Sat, 29 Jul 2017 07:34:35 +0000

Local clock offset: 0.624 ms

Remote clock offset: -1.385 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 80.190 ms

Loss rate: 13.77%

-- Flow 1:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 78.359 ms

Loss rate: 10.59%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 80.633 ms

Loss rate: 18.89%

-- Flow 3:

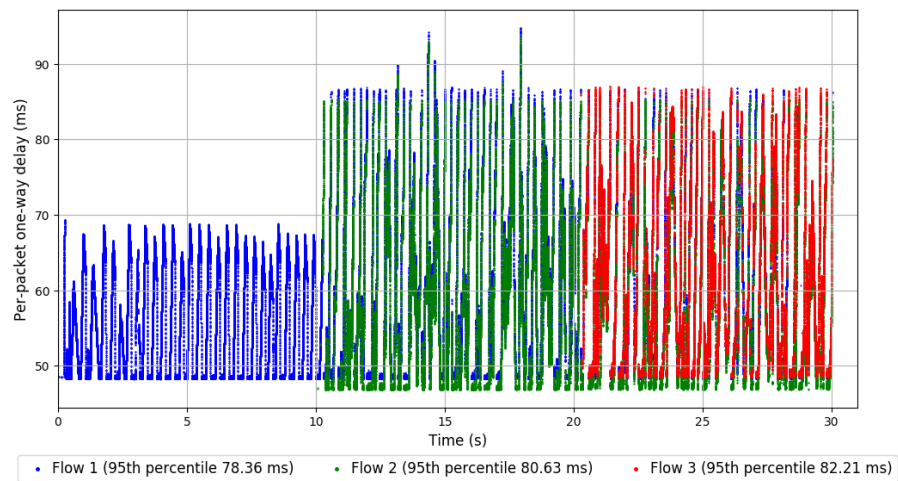
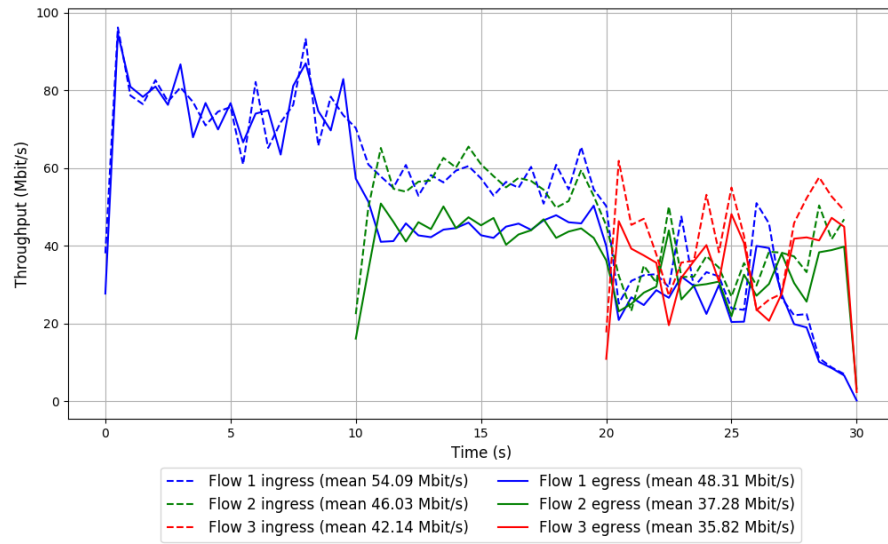
Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 82.208 ms

Loss rate: 14.87%



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



Run 1: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:30:33 +0000

End at: Sat, 29 Jul 2017 04:31:03 +0000

Local clock offset: -0.319 ms

Remote clock offset: 1.191 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 60.261 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 60.073 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 2.95 Mbit/s

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

Loss rate: 0.47%

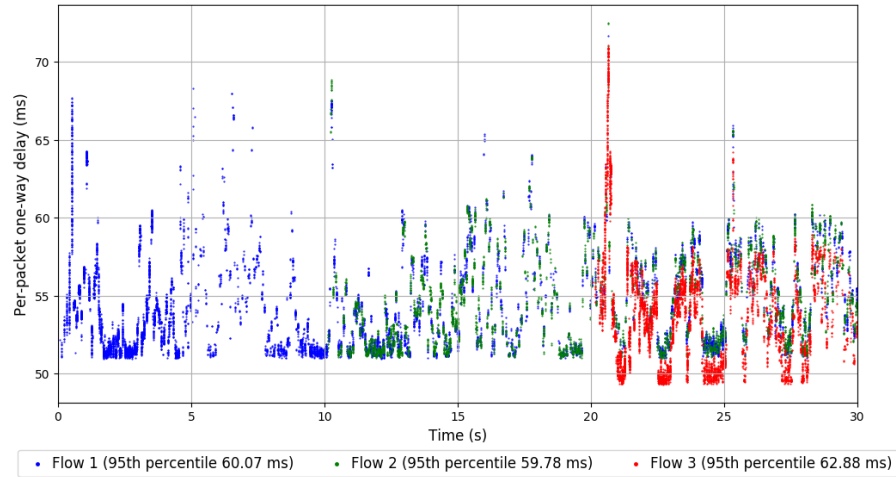
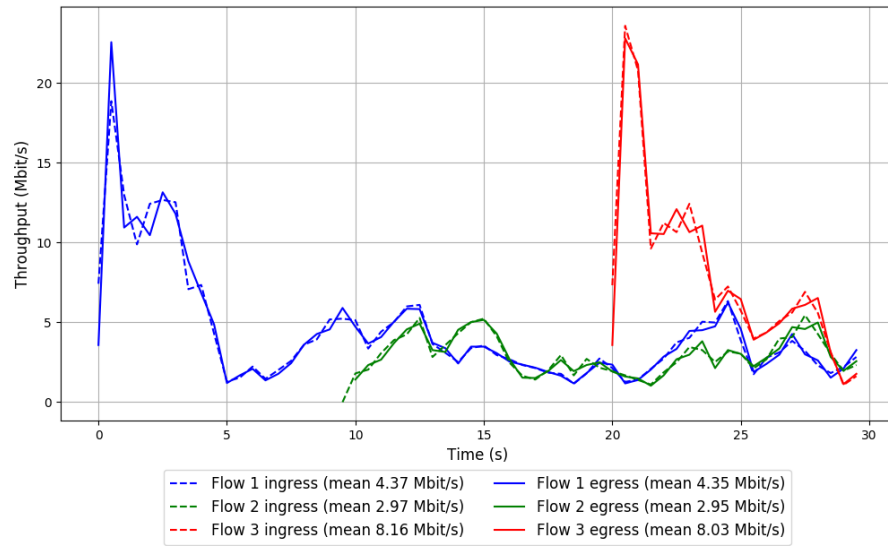
-- Flow 3:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 62.876 ms

Loss rate: 1.57%

# Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:51:24 +0000

End at: Sat, 29 Jul 2017 04:51:54 +0000

Local clock offset: 0.059 ms

Remote clock offset: 1.575 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 63.150 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 60.880 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 62.193 ms

Loss rate: 0.13%

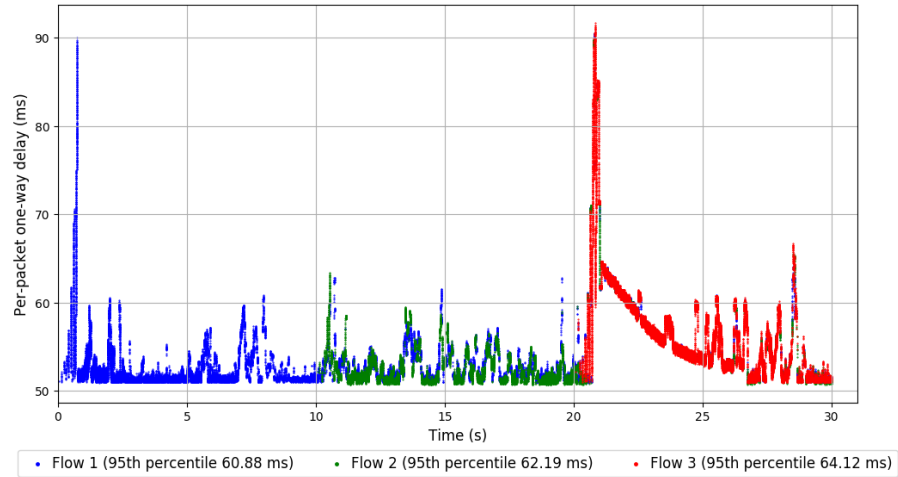
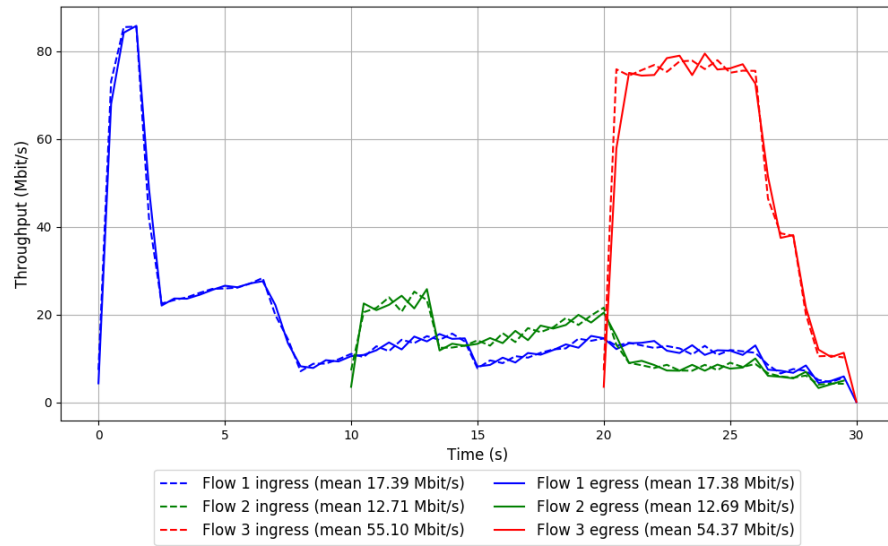
-- Flow 3:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 64.118 ms

Loss rate: 1.32%

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



Run 3: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:12:14 +0000

End at: Sat, 29 Jul 2017 05:12:44 +0000

Local clock offset: 0.339 ms

Remote clock offset: 1.908 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 60.541 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 60.256 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 58.389 ms

Loss rate: 0.09%

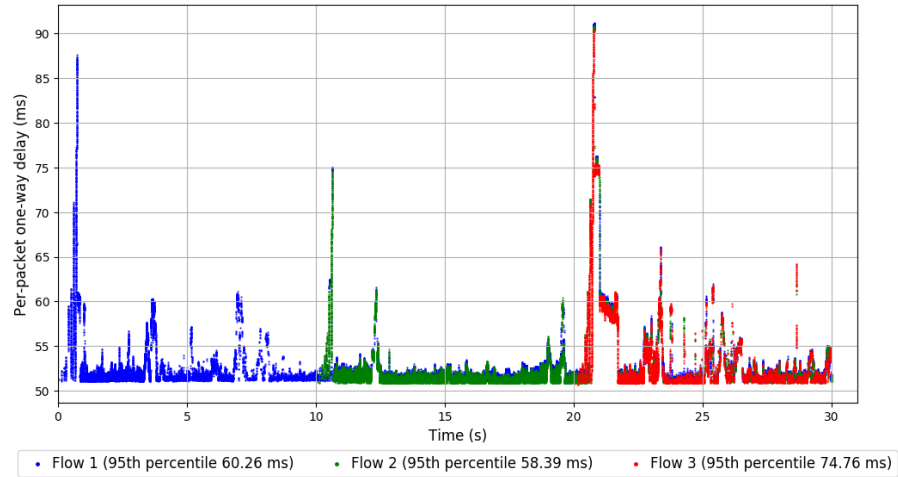
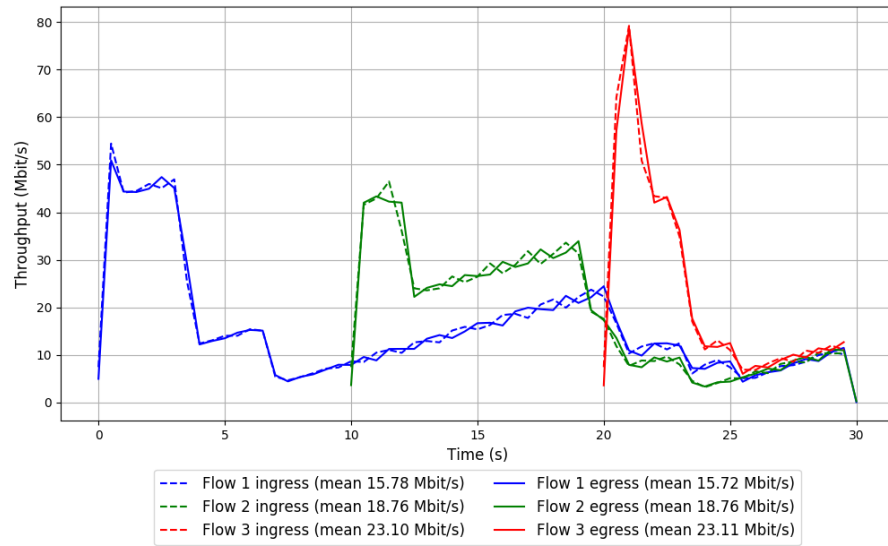
-- Flow 3:

Average throughput: 23.11 Mbit/s

95th percentile per-packet one-way delay: 74.756 ms

Loss rate: 0.34%

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



Run 4: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:33:01 +0000

End at: Sat, 29 Jul 2017 05:33:31 +0000

Local clock offset: 0.511 ms

Remote clock offset: 2.082 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 59.166 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 20.32 Mbit/s

95th percentile per-packet one-way delay: 59.498 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 60.031 ms

Loss rate: 1.27%

-- Flow 3:

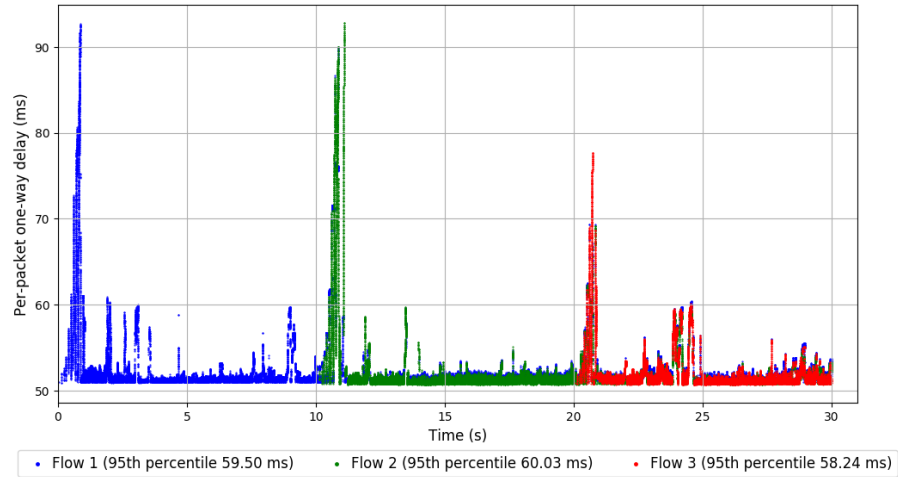
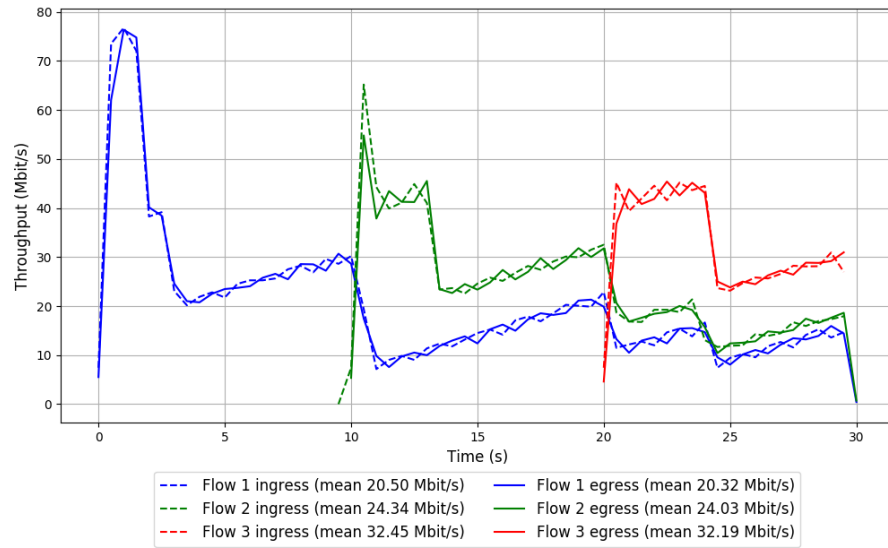
Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 58.243 ms

Loss rate: 0.80%



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



Run 5: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:53:54 +0000

End at: Sat, 29 Jul 2017 05:54:24 +0000

Local clock offset: 0.525 ms

Remote clock offset: -0.445 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.93 Mbit/s

95th percentile per-packet one-way delay: 68.363 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 60.761 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 69.339 ms

Loss rate: 0.10%

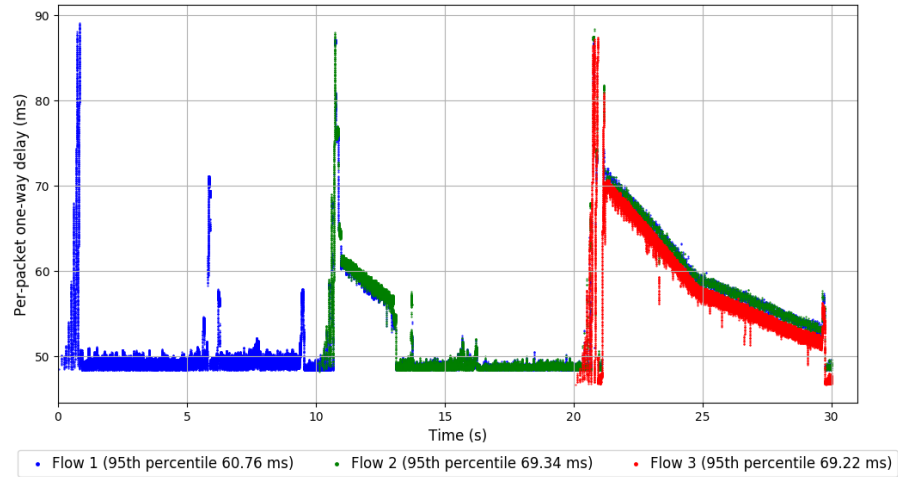
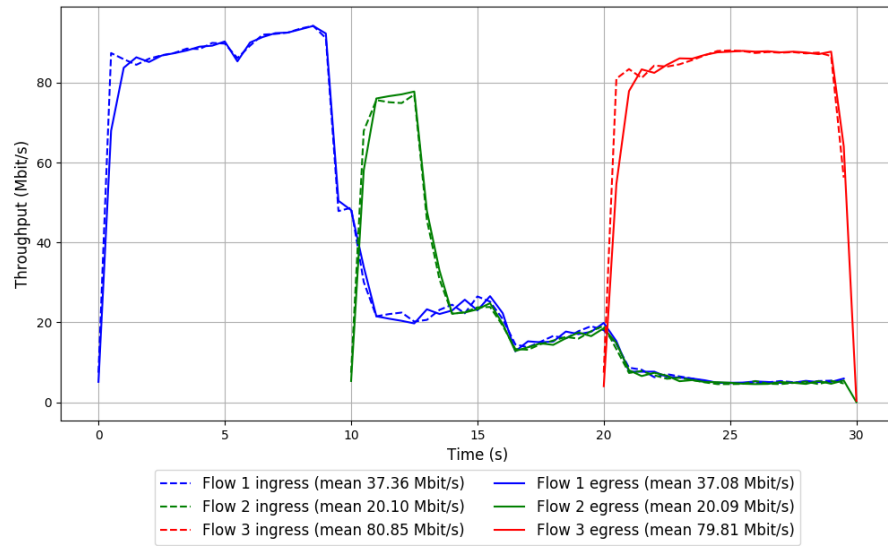
-- Flow 3:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 69.215 ms

Loss rate: 1.45%

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:14:53 +0000

End at: Sat, 29 Jul 2017 06:15:23 +0000

Local clock offset: 0.649 ms

Remote clock offset: 2.395 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 25.05 Mbit/s

95th percentile per-packet one-way delay: 55.058 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 55.411 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 13.76 Mbit/s

95th percentile per-packet one-way delay: 54.675 ms

Loss rate: 1.11%

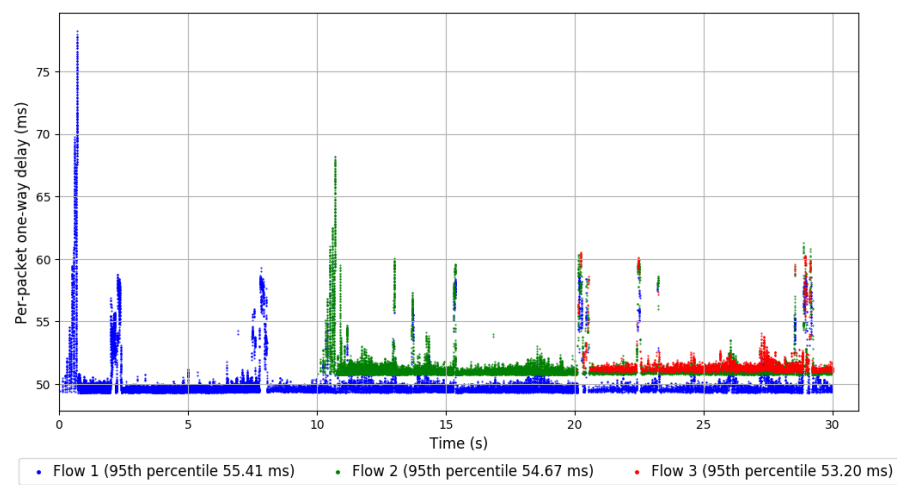
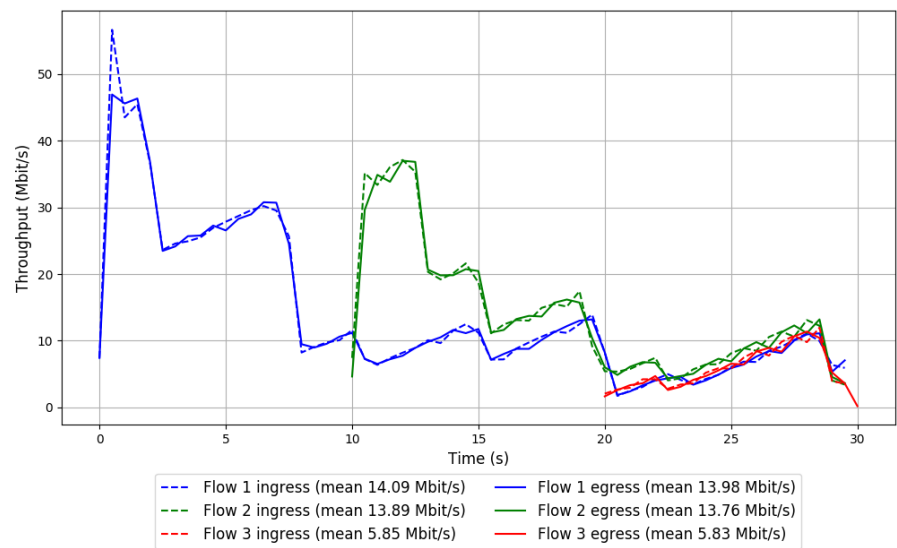
-- Flow 3:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 53.197 ms

Loss rate: 0.31%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:35:46 +0000

End at: Sat, 29 Jul 2017 06:36:16 +0000

Local clock offset: 0.663 ms

Remote clock offset: 2.097 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.23 Mbit/s

95th percentile per-packet one-way delay: 56.304 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 53.643 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 16.47 Mbit/s

95th percentile per-packet one-way delay: 55.403 ms

Loss rate: 1.03%

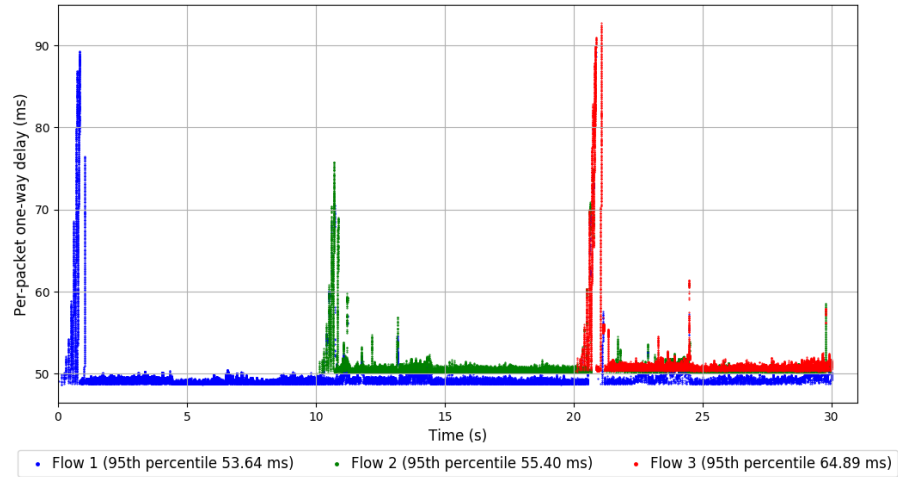
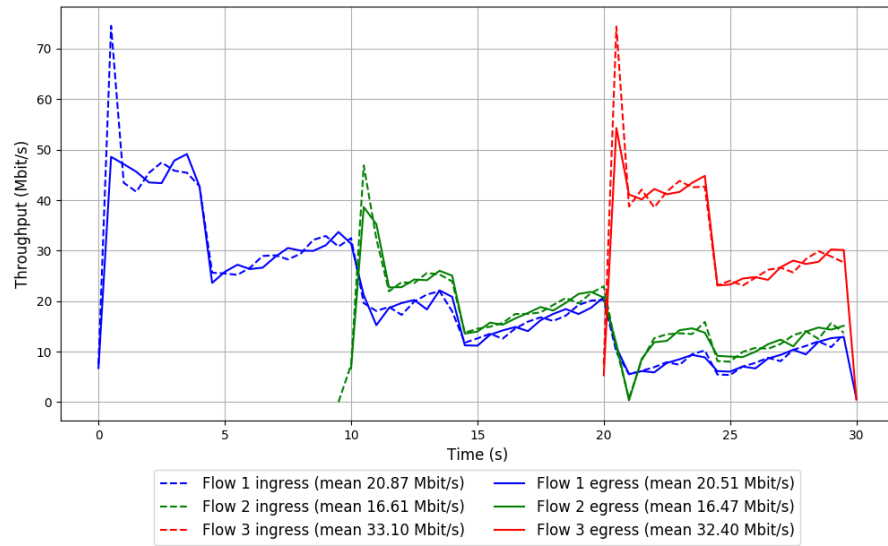
-- Flow 3:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 64.885 ms

Loss rate: 2.32%

## Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:56:35 +0000

End at: Sat, 29 Jul 2017 06:57:05 +0000

Local clock offset: 0.695 ms

Remote clock offset: -0.015 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 58.184 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 75.49 Mbit/s

95th percentile per-packet one-way delay: 58.160 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 11.08 Mbit/s

95th percentile per-packet one-way delay: 58.702 ms

Loss rate: 0.02%

-- Flow 3:

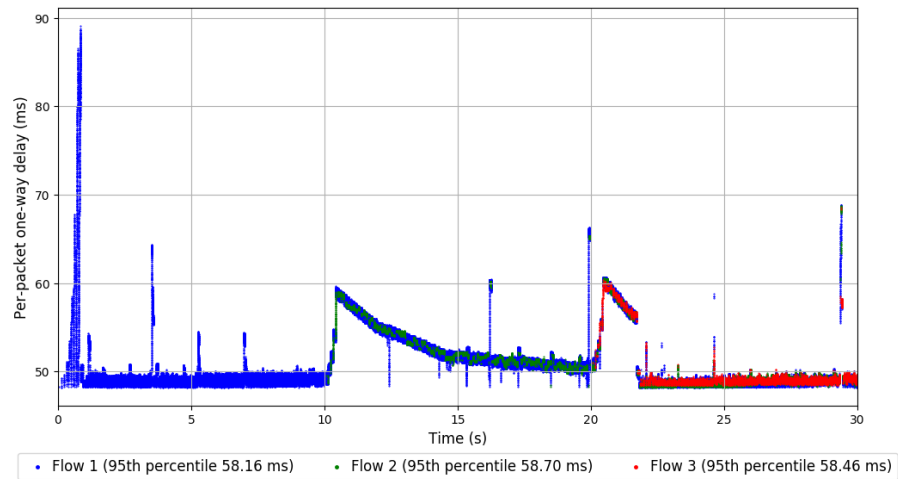
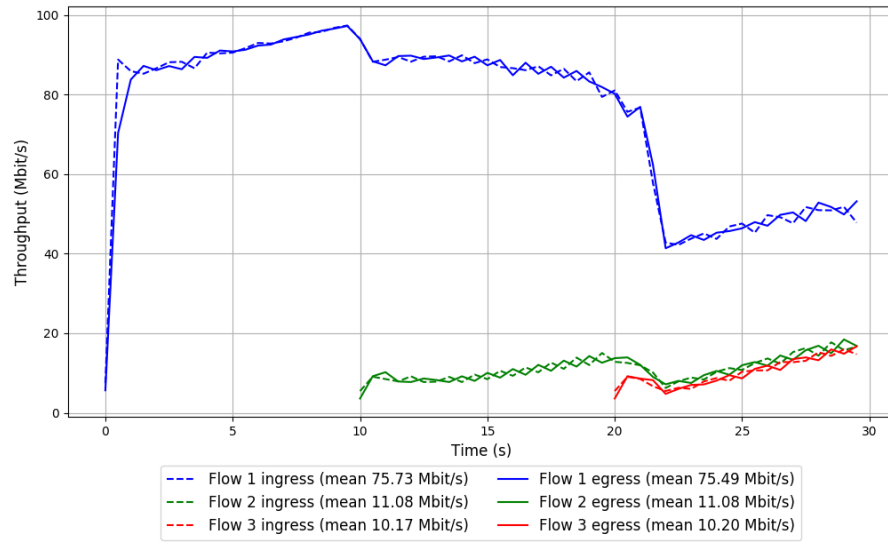
Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 58.459 ms

Loss rate: 0.04%



# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:17:27 +0000

End at: Sat, 29 Jul 2017 07:17:57 +0000

Local clock offset: 0.702 ms

Remote clock offset: 1.684 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 64.133 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 62.170 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 63.684 ms

Loss rate: 1.30%

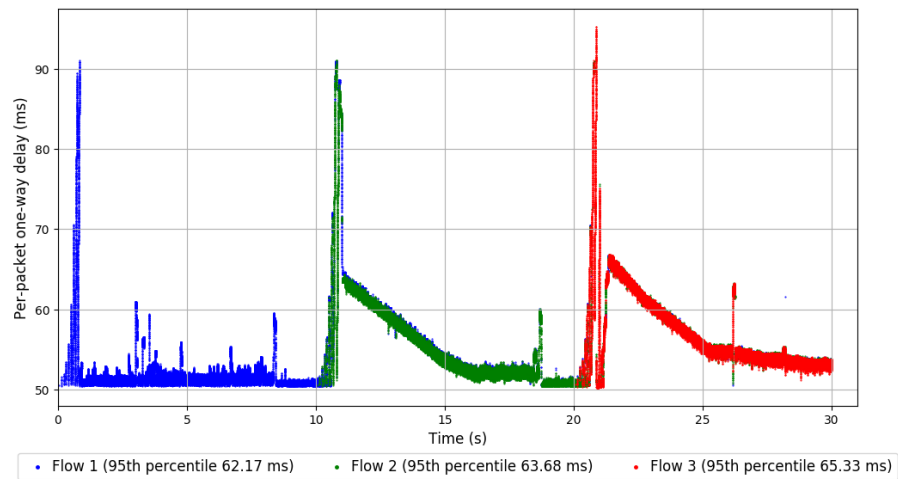
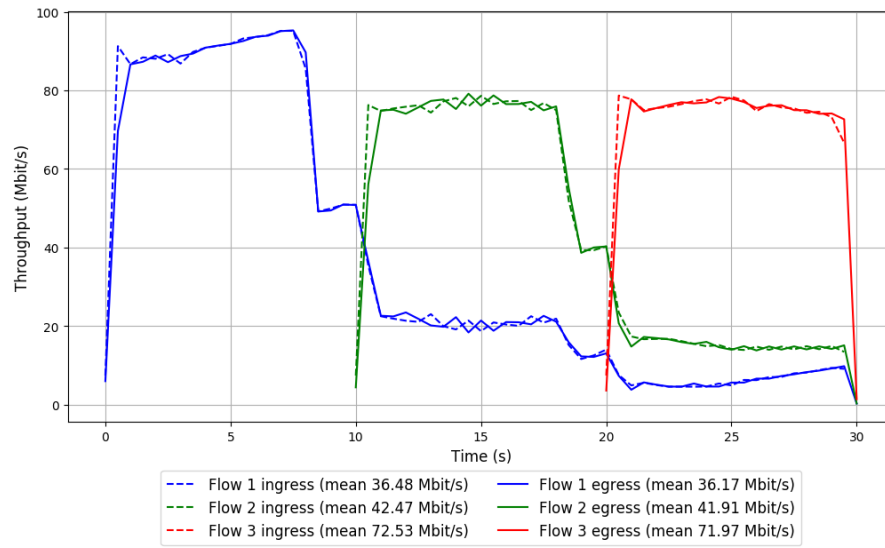
-- Flow 3:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 65.335 ms

Loss rate: 0.94%

# Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:38:19 +0000

End at: Sat, 29 Jul 2017 07:38:49 +0000

Local clock offset: 0.624 ms

Remote clock offset: 0.416 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:56:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 69.472 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 69.411 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 69.940 ms

Loss rate: 0.08%

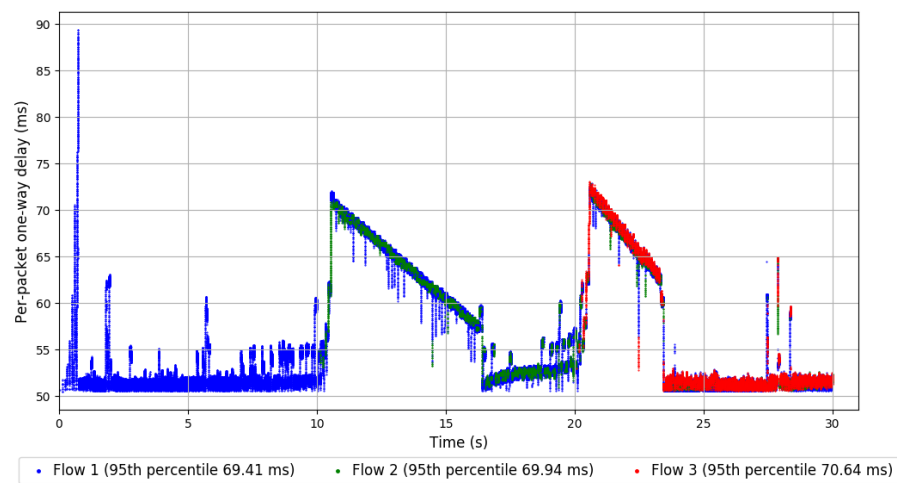
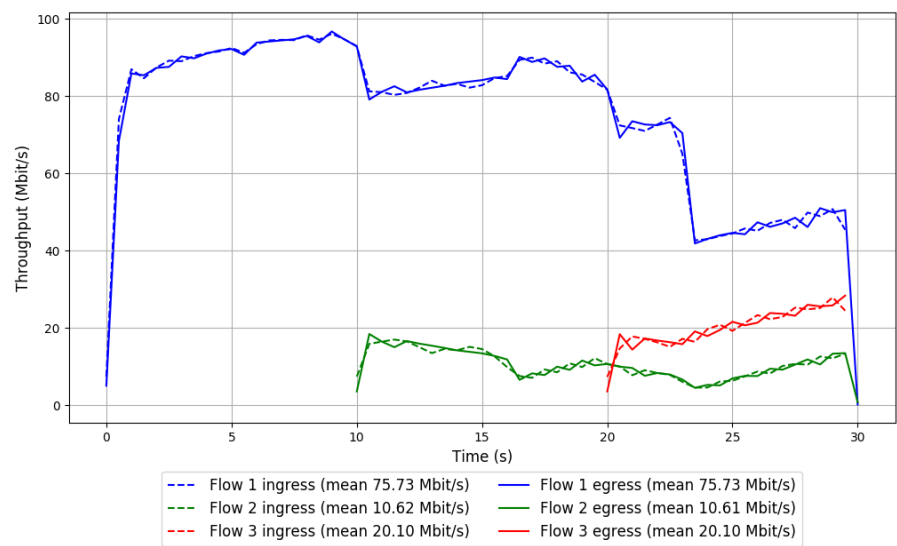
-- Flow 3:

Average throughput: 20.10 Mbit/s

95th percentile per-packet one-way delay: 70.638 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

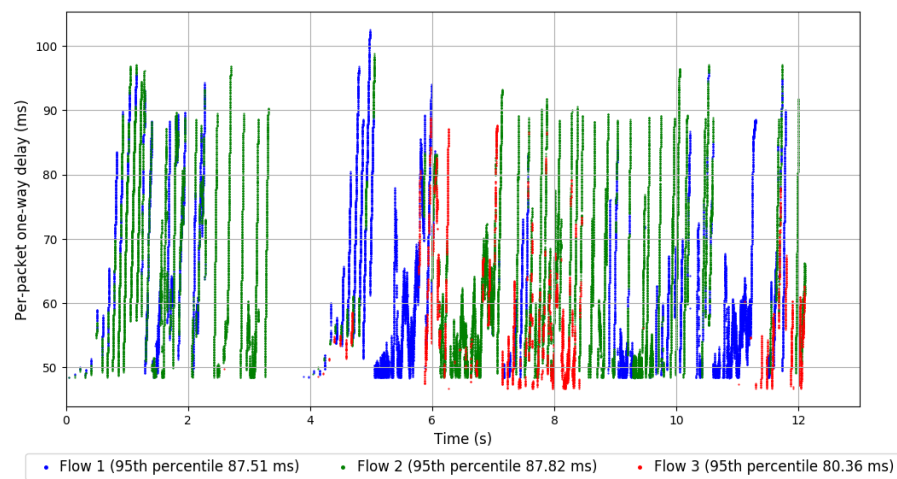
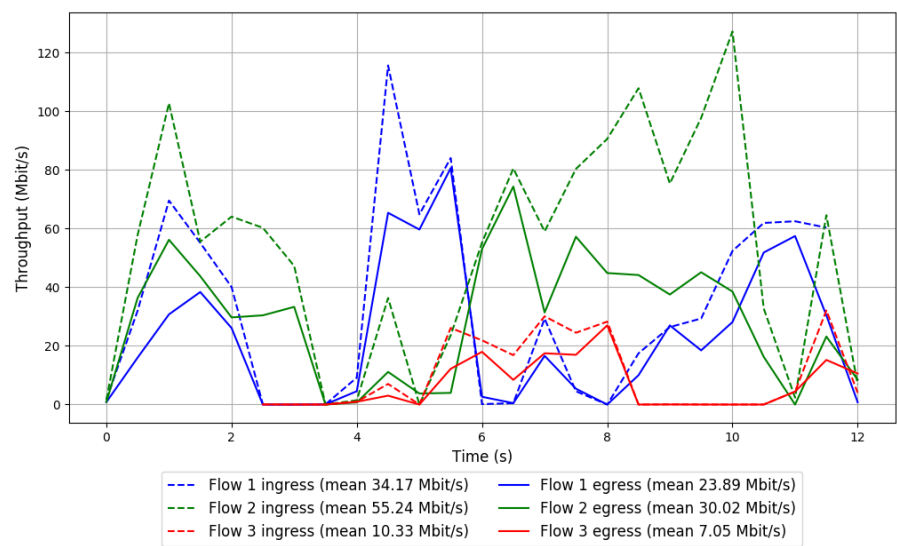
Start at: Sat, 29 Jul 2017 04:24:54 +0000

End at: Sat, 29 Jul 2017 04:25:24 +0000

Local clock offset: -0.367 ms

Remote clock offset: -1.462 ms

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 29 Jul 2017 04:45:45 +0000

End at: Sat, 29 Jul 2017 04:46:15 +0000

Local clock offset: 0.064 ms

Remote clock offset: 1.612 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 91.584 ms

Loss rate: 45.76%

-- Flow 1:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 92.985 ms

Loss rate: 50.24%

-- Flow 2:

Average throughput: 19.21 Mbit/s

95th percentile per-packet one-way delay: 87.568 ms

Loss rate: 28.16%

-- Flow 3:

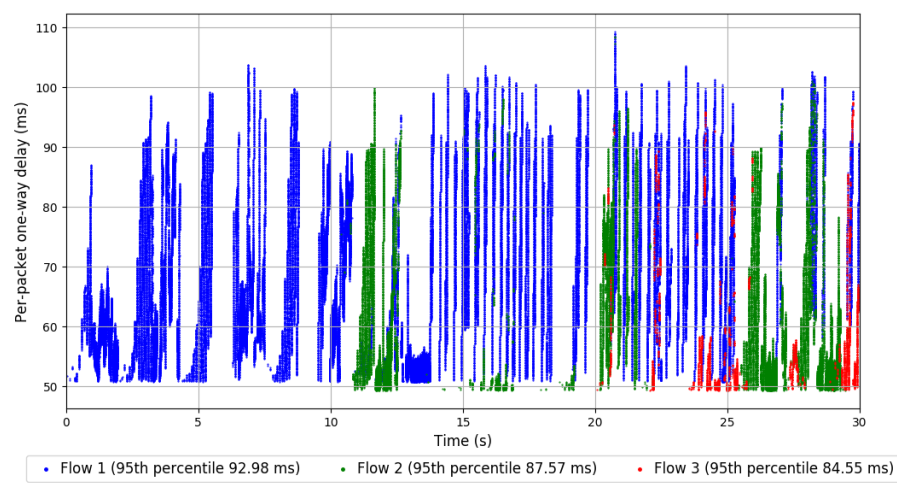
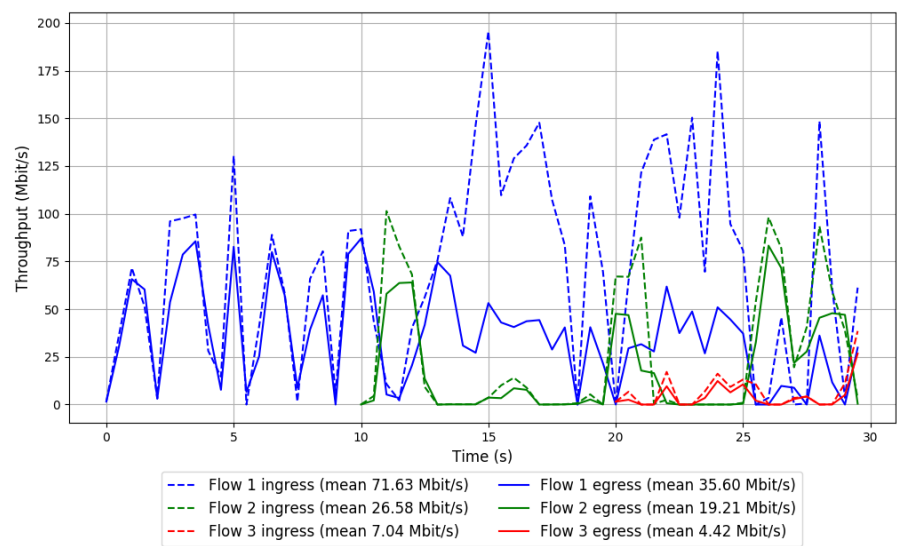
Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 84.551 ms

Loss rate: 37.15%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:06:33 +0000

End at: Sat, 29 Jul 2017 05:07:03 +0000

Local clock offset: 0.378 ms

Remote clock offset: 1.297 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.37 Mbit/s

95th percentile per-packet one-way delay: 89.249 ms

Loss rate: 41.68%

-- Flow 1:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 87.811 ms

Loss rate: 34.42%

-- Flow 2:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: 87.620 ms

Loss rate: 35.55%

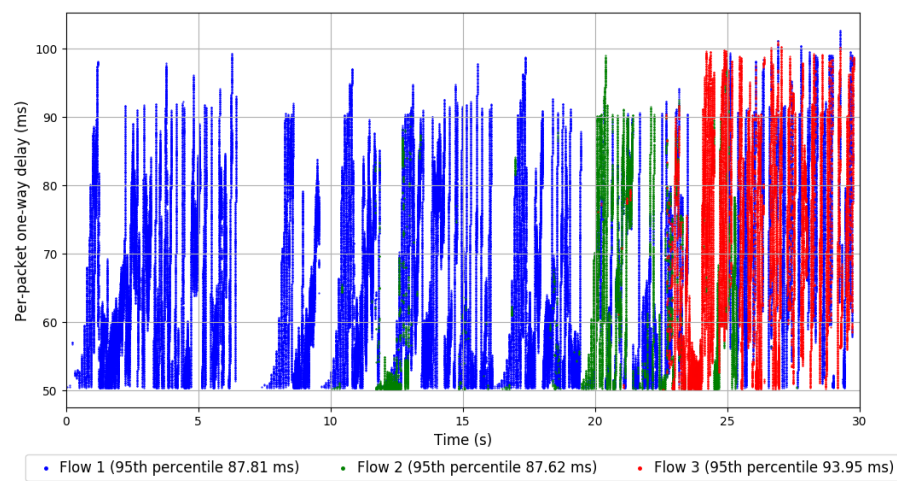
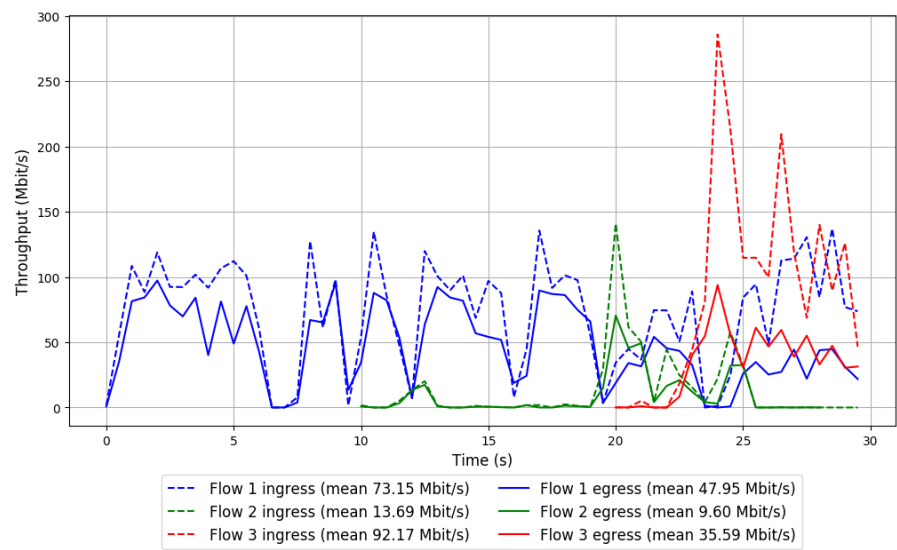
-- Flow 3:

Average throughput: 35.59 Mbit/s

95th percentile per-packet one-way delay: 93.950 ms

Loss rate: 61.30%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:27:22 +0000

End at: Sat, 29 Jul 2017 05:27:52 +0000

Local clock offset: 0.485 ms

Remote clock offset: 1.485 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 87.416 ms

Loss rate: 31.06%

-- Flow 1:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 85.934 ms

Loss rate: 21.91%

-- Flow 2:

Average throughput: 14.97 Mbit/s

95th percentile per-packet one-way delay: 88.791 ms

Loss rate: 26.26%

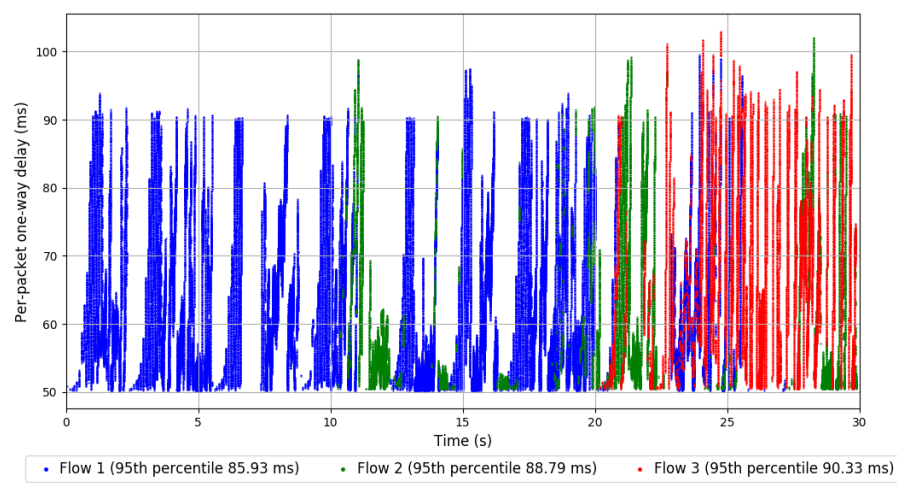
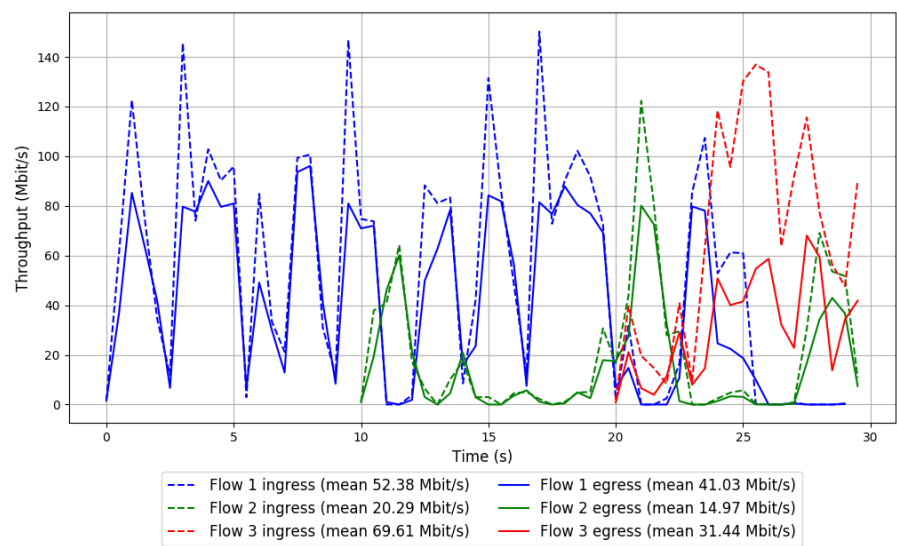
-- Flow 3:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 90.326 ms

Loss rate: 54.73%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:48:15 +0000

End at: Sat, 29 Jul 2017 05:48:45 +0000

Local clock offset: 0.438 ms

Remote clock offset: 1.717 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 87.651 ms

Loss rate: 24.94%

-- Flow 1:

Average throughput: 32.22 Mbit/s

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

Loss rate: 26.12%

-- Flow 2:

Average throughput: 27.69 Mbit/s

95th percentile per-packet one-way delay: 88.137 ms

Loss rate: 26.39%

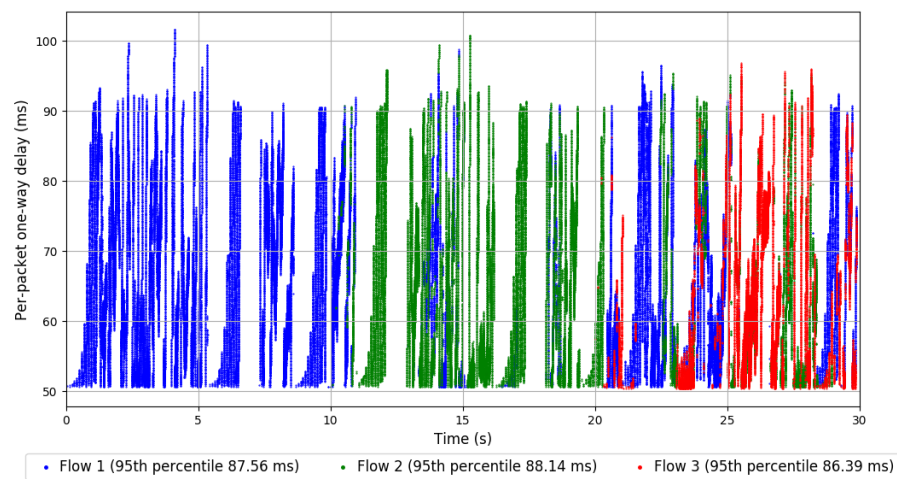
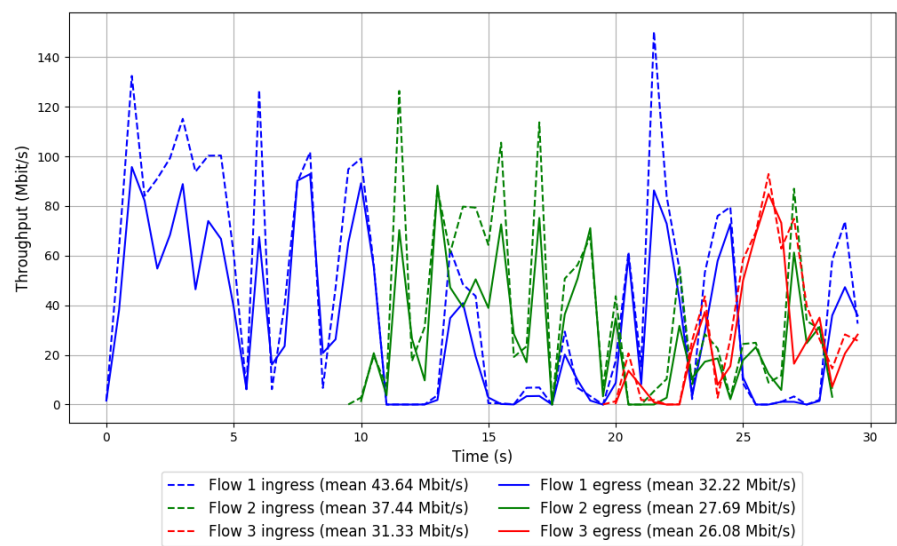
-- Flow 3:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 86.392 ms

Loss rate: 16.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:09:11 +0000

End at: Sat, 29 Jul 2017 06:09:41 +0000

Local clock offset: 0.635 ms

Remote clock offset: -0.22 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.89 Mbit/s

95th percentile per-packet one-way delay: 83.866 ms

Loss rate: 25.57%

-- Flow 1:

Average throughput: 37.69 Mbit/s

95th percentile per-packet one-way delay: 82.676 ms

Loss rate: 26.34%

-- Flow 2:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 84.406 ms

Loss rate: 21.34%

-- Flow 3:

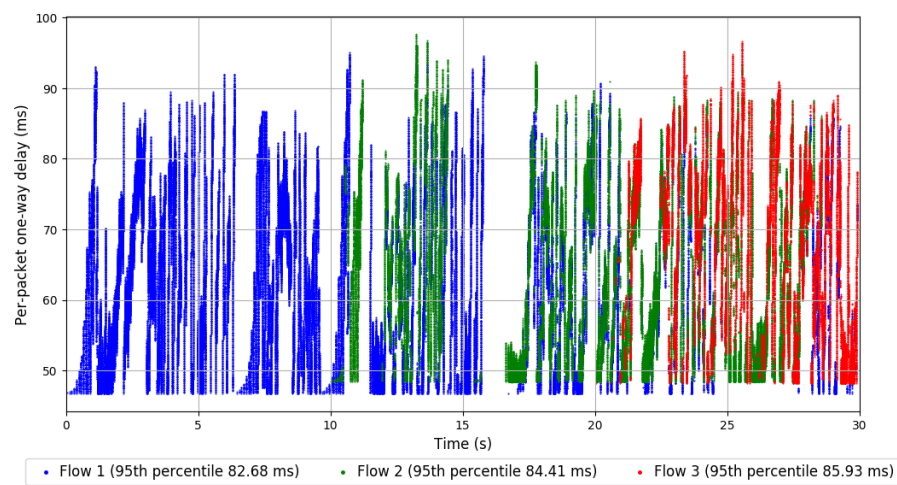
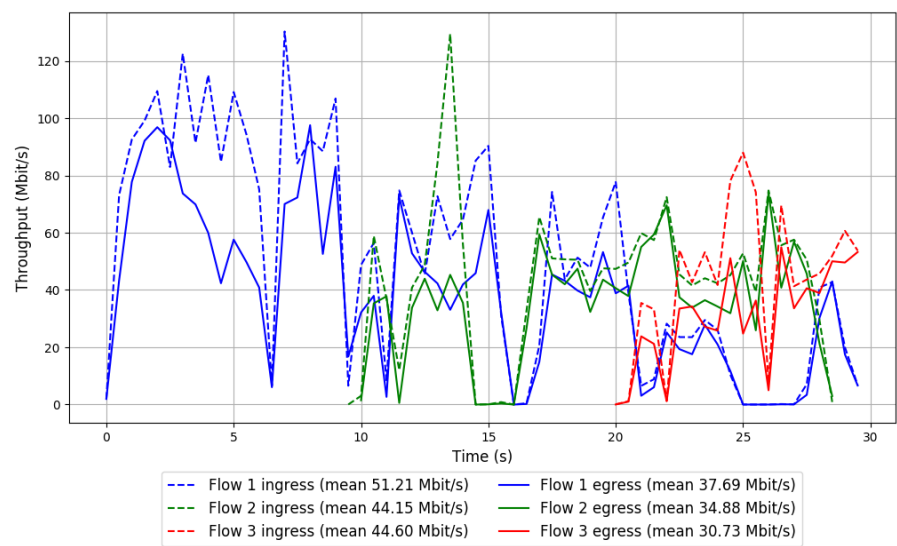
Average throughput: 30.73 Mbit/s

95th percentile per-packet one-way delay: 85.929 ms

Loss rate: 30.92%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:30:07 +0000

End at: Sat, 29 Jul 2017 06:30:37 +0000

Local clock offset: 0.569 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 86.212 ms

Loss rate: 37.50%

-- Flow 1:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 85.435 ms

Loss rate: 34.97%

-- Flow 2:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 86.140 ms

Loss rate: 32.21%

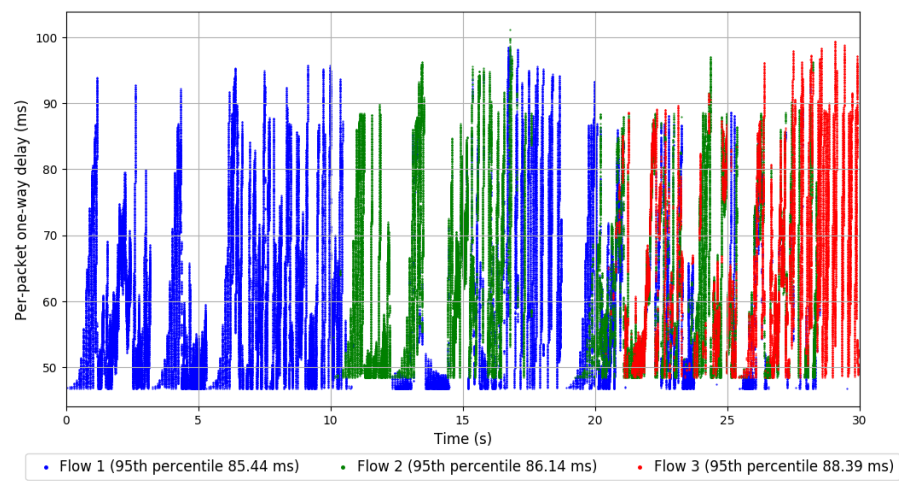
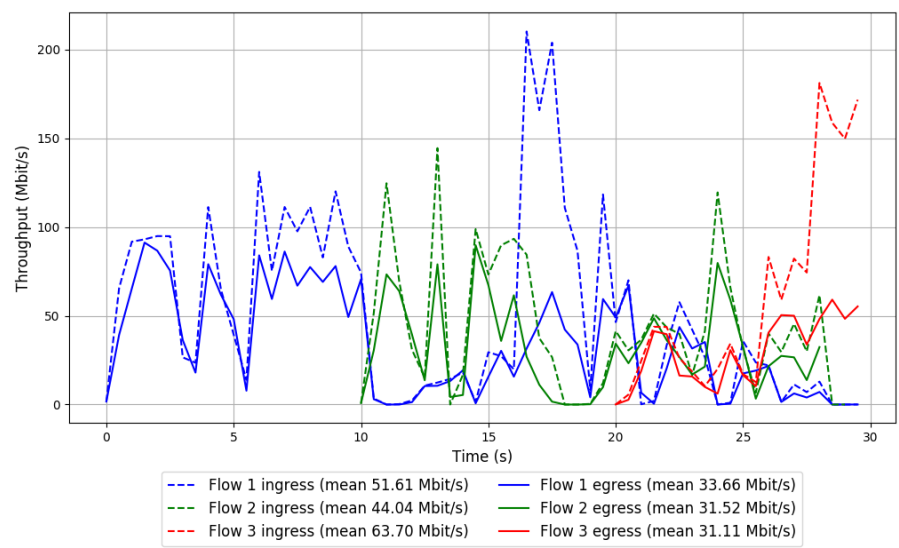
-- Flow 3:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 88.387 ms

Loss rate: 51.21%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:50:56 +0000

End at: Sat, 29 Jul 2017 06:51:26 +0000

Local clock offset: 0.596 ms

Remote clock offset: 2.486 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 24.61%

-- Flow 1:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 86.247 ms

Loss rate: 23.91%

-- Flow 2:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 87.035 ms

Loss rate: 23.48%

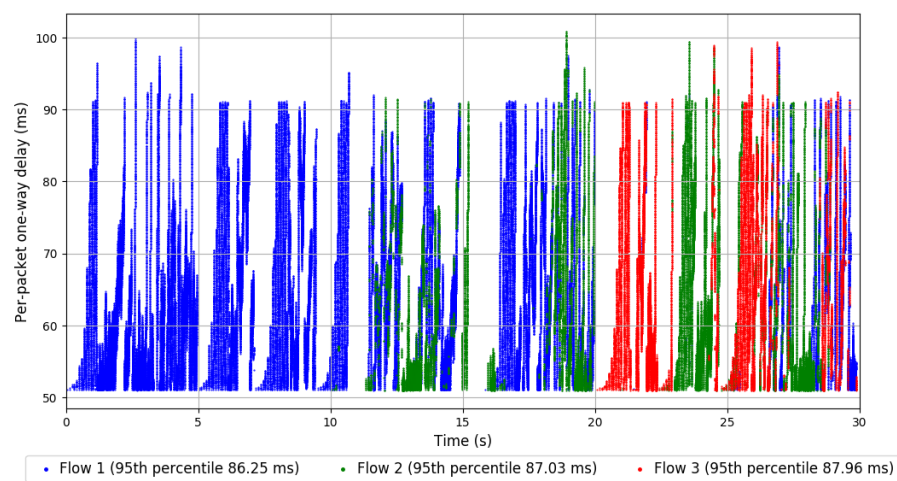
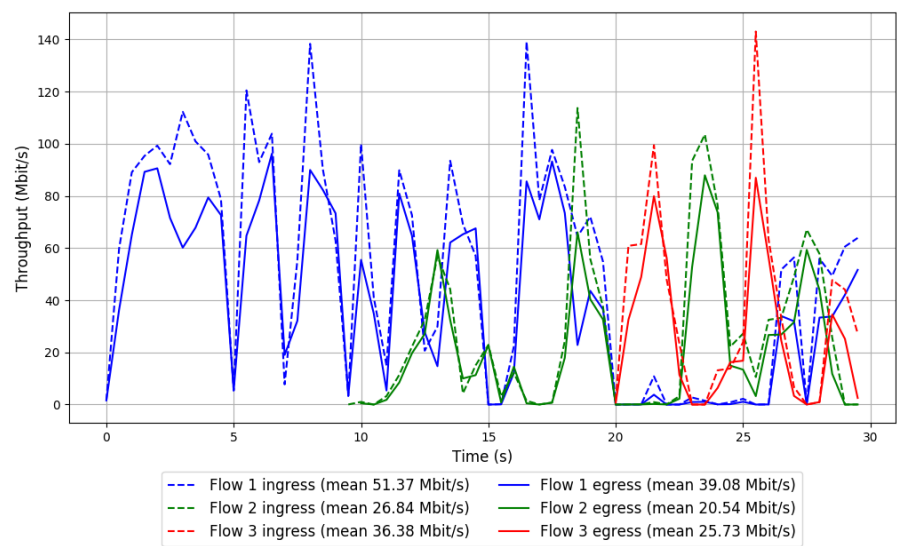
-- Flow 3:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 87.956 ms

Loss rate: 29.26%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:11:49 +0000

End at: Sat, 29 Jul 2017 07:12:19 +0000

Local clock offset: 0.589 ms

Remote clock offset: -0.232 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 89.872 ms

Loss rate: 62.32%

-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 89.875 ms

Loss rate: 62.27%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 71.479 ms

Loss rate: 88.91%

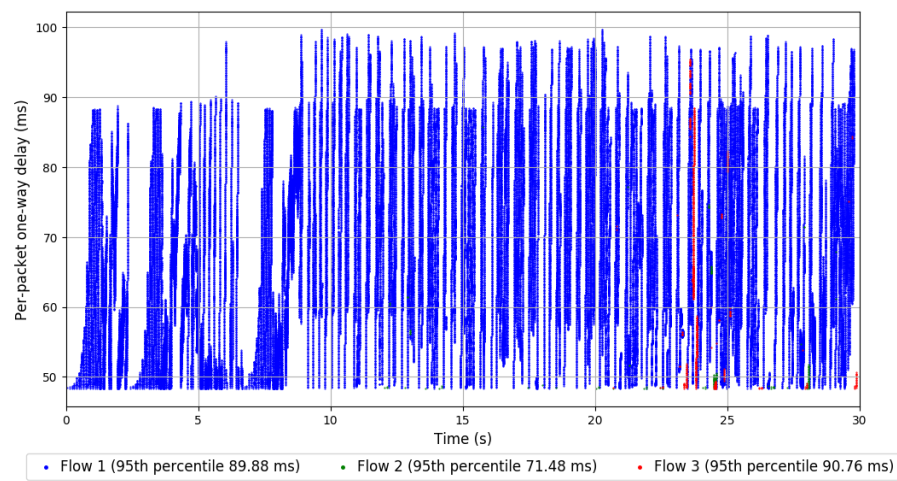
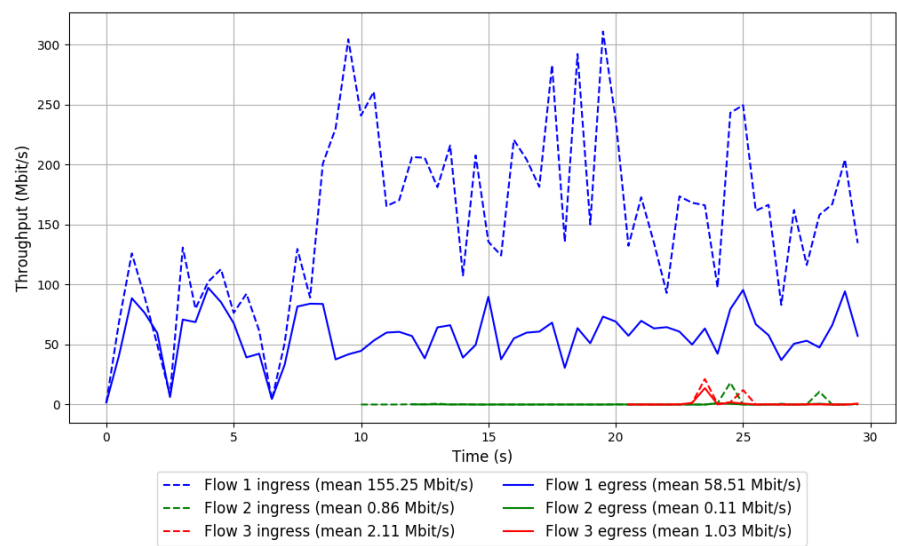
-- Flow 3:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 90.762 ms

Loss rate: 51.43%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:32:41 +0000

End at: Sat, 29 Jul 2017 07:33:11 +0000

Local clock offset: 0.572 ms

Remote clock offset: -1.245 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.90 Mbit/s

95th percentile per-packet one-way delay: 84.712 ms

Loss rate: 33.59%

-- Flow 1:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 83.228 ms

Loss rate: 29.52%

-- Flow 2:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 86.123 ms

Loss rate: 37.10%

-- Flow 3:

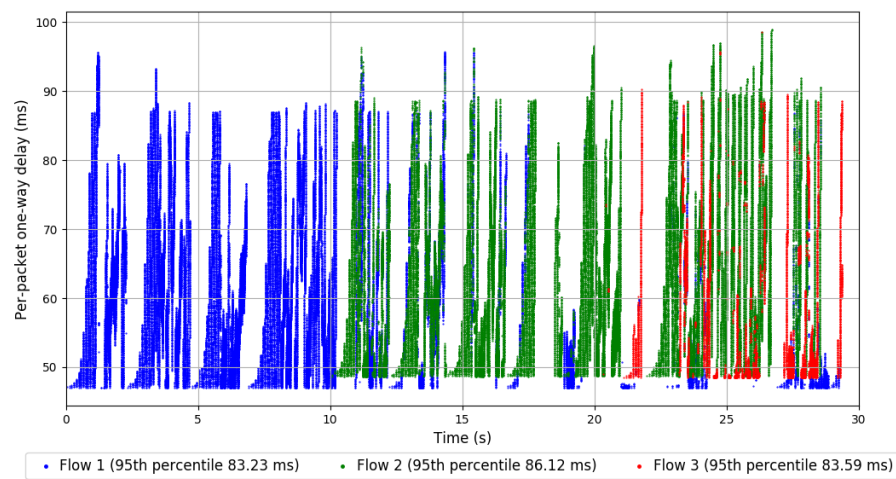
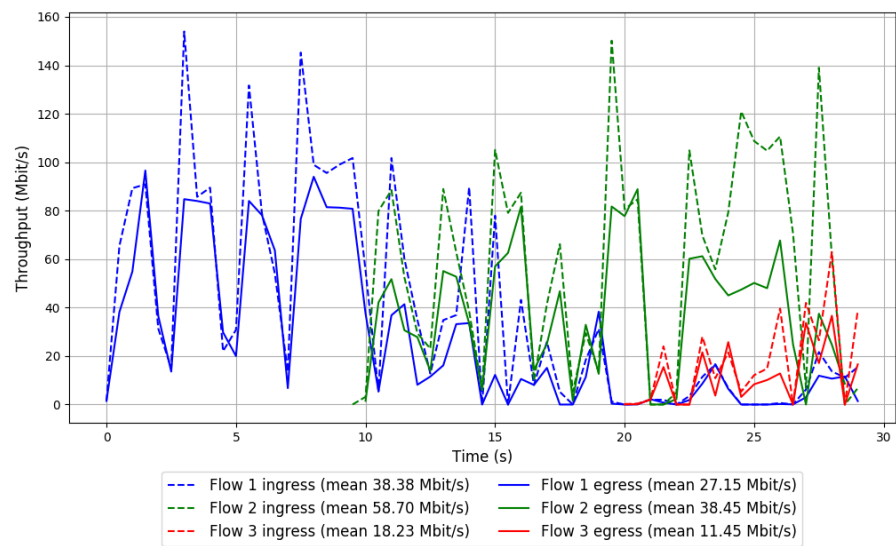
Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 83.593 ms

Loss rate: 37.09%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

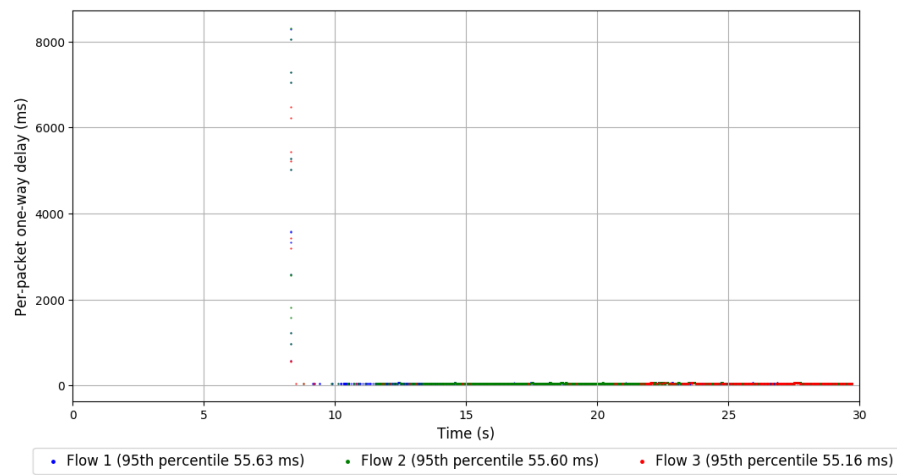
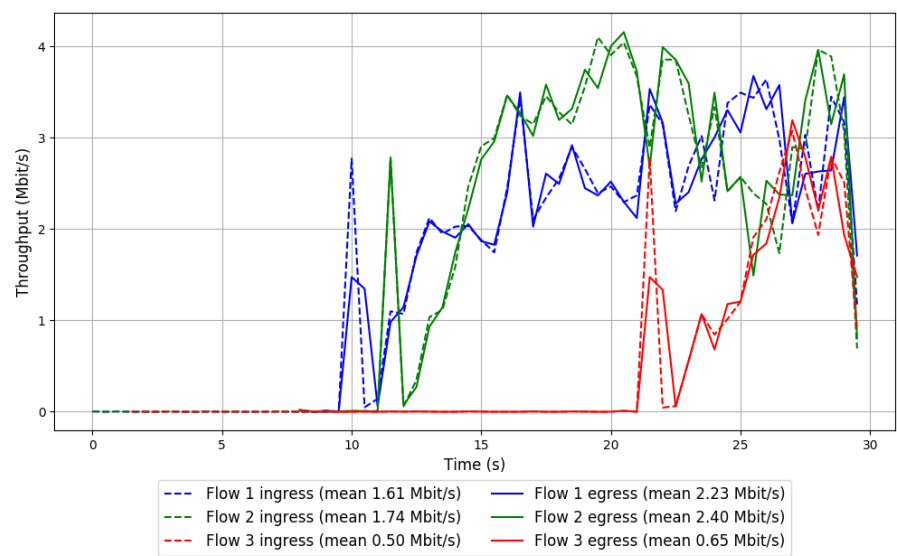
Start at: Sat, 29 Jul 2017 04:36:02 +0000

End at: Sat, 29 Jul 2017 04:36:32 +0000

Local clock offset: -0.128 ms

Remote clock offset: -1.036 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

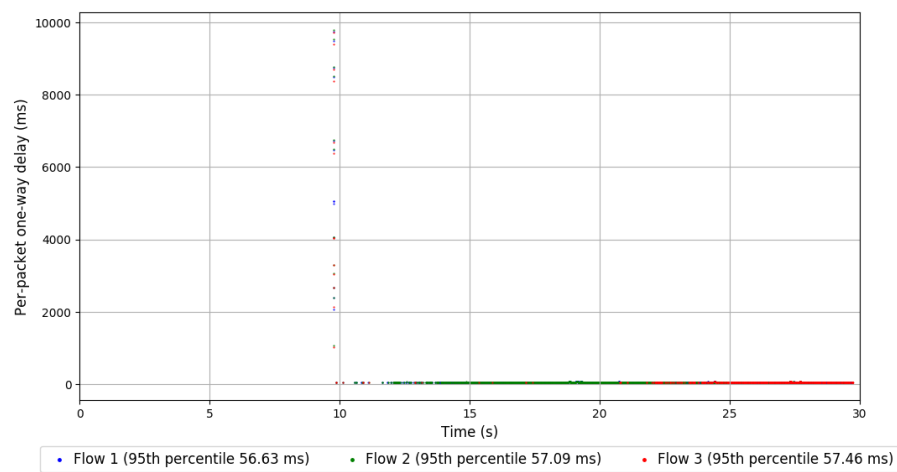
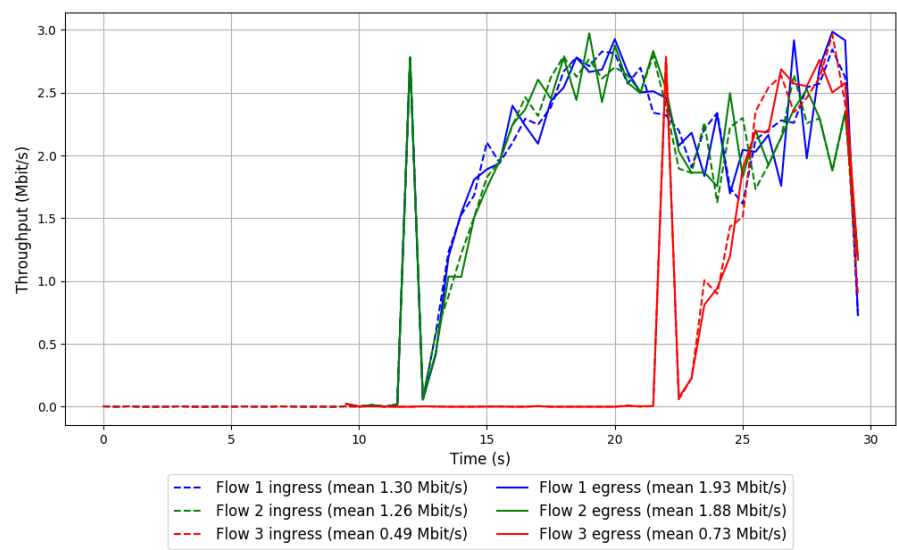
Start at: Sat, 29 Jul 2017 04:56:52 +0000

End at: Sat, 29 Jul 2017 04:57:22 +0000

Local clock offset: 0.12 ms

Remote clock offset: 1.677 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

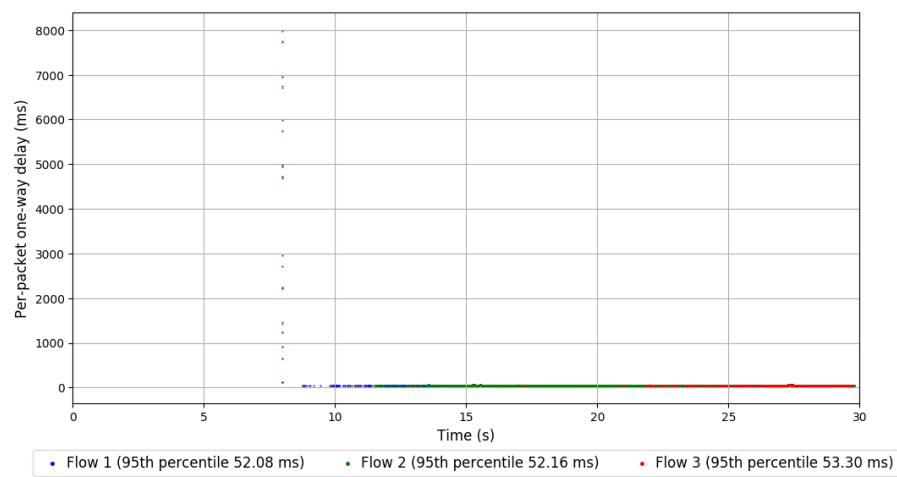
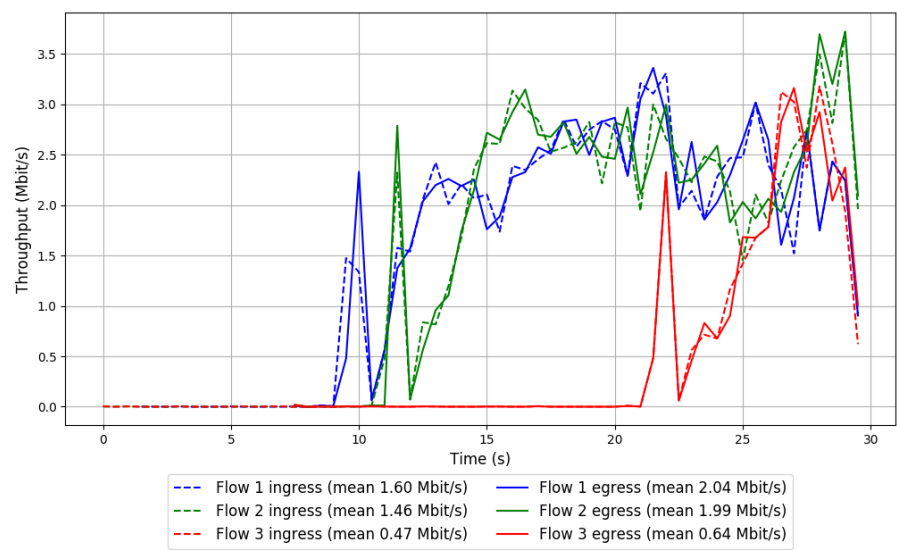
Start at: Sat, 29 Jul 2017 05:17:42 +0000

End at: Sat, 29 Jul 2017 05:18:12 +0000

Local clock offset: 0.382 ms

Remote clock offset: -0.663 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:38:32 +0000

End at: Sat, 29 Jul 2017 05:39:02 +0000

Local clock offset: 0.46 ms

Remote clock offset: 1.674 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 52.128 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 52.150 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 52.128 ms

Loss rate: 0.02%

-- Flow 3:

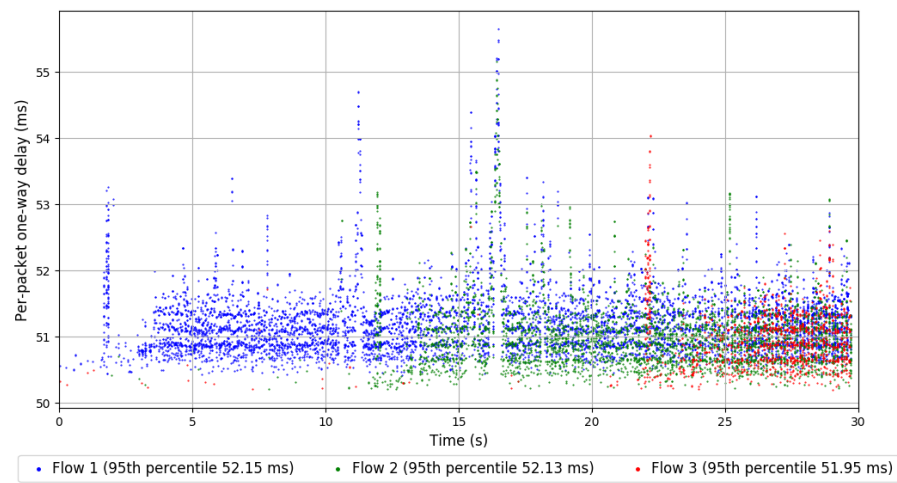
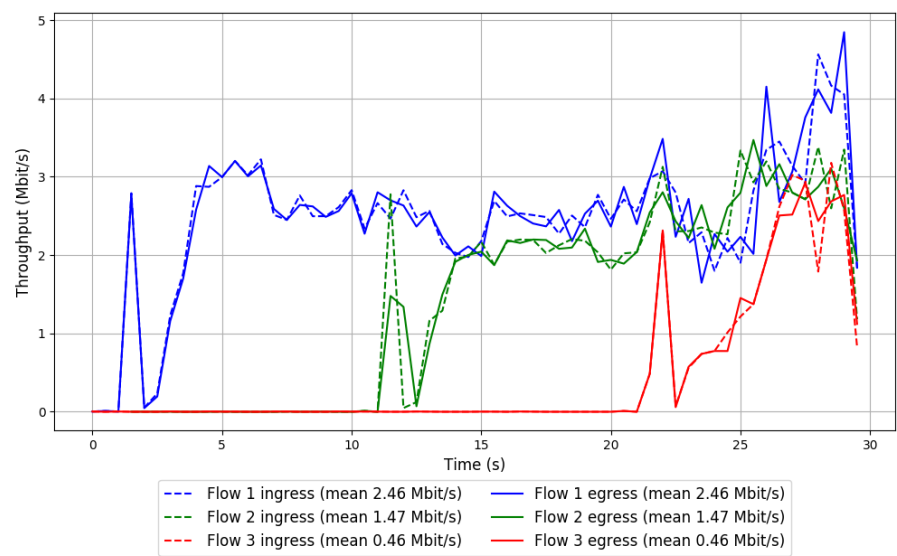
Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 51.955 ms

Loss rate: 0.00%



Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:59:25 +0000

End at: Sat, 29 Jul 2017 05:59:55 +0000

Local clock offset: 0.469 ms

Remote clock offset: 1.654 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 51.206 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 49.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 51.282 ms

Loss rate: 0.82%

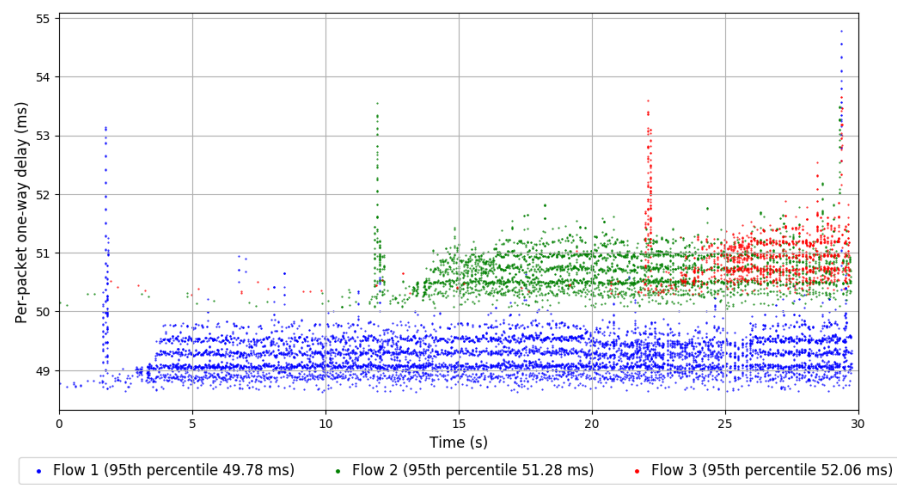
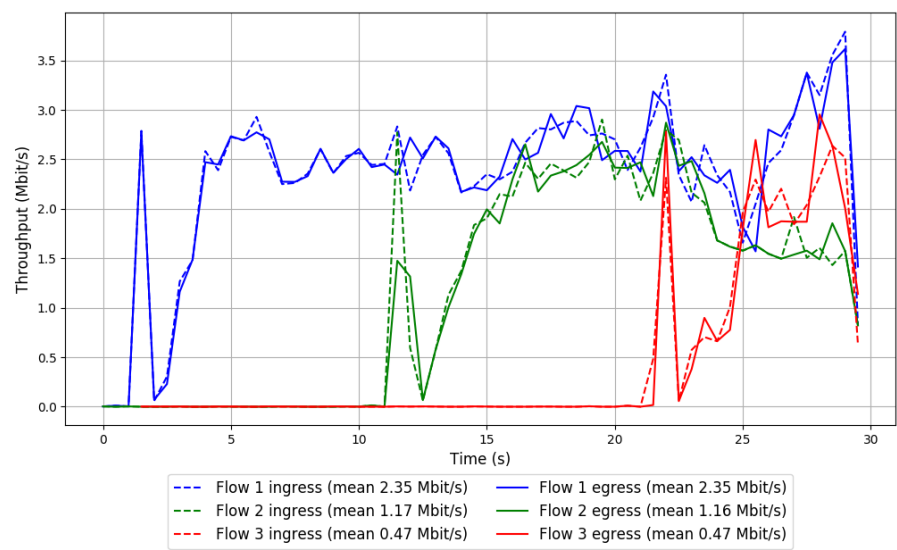
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 52.057 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:20:21 +0000

End at: Sat, 29 Jul 2017 06:20:51 +0000

Local clock offset: 0.592 ms

Remote clock offset: 2.334 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 52.133 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 52.269 ms

Loss rate: 0.34%

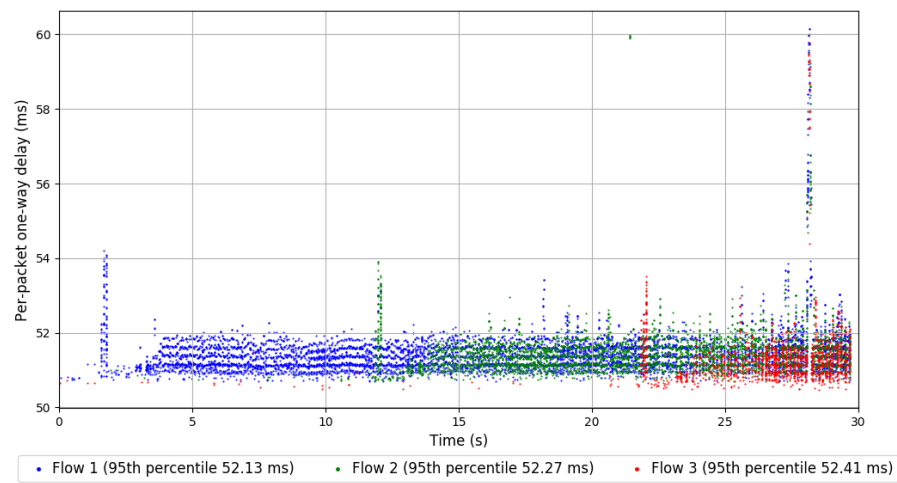
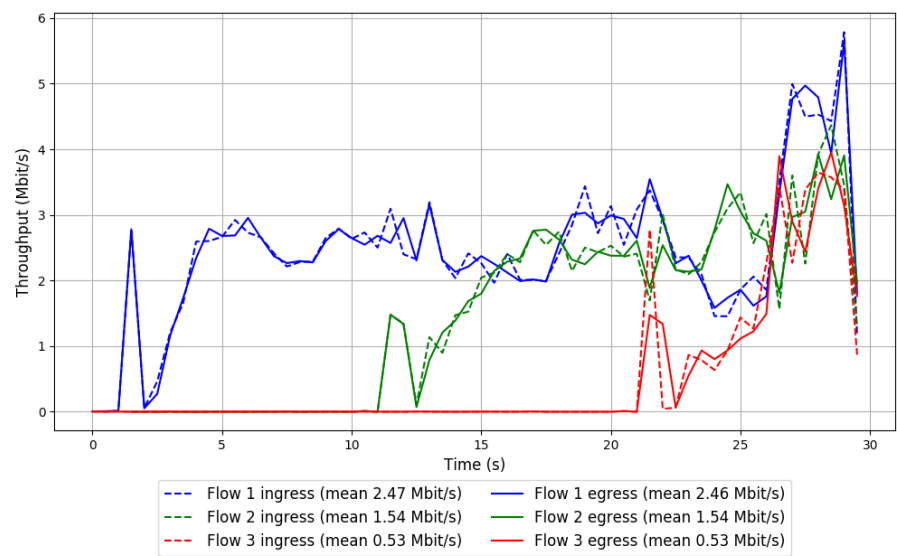
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 52.413 ms

Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:41:13 +0000

End at: Sat, 29 Jul 2017 06:41:43 +0000

Local clock offset: 0.674 ms

Remote clock offset: 2.77 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.98 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 51.699 ms

Loss rate: 0.00%

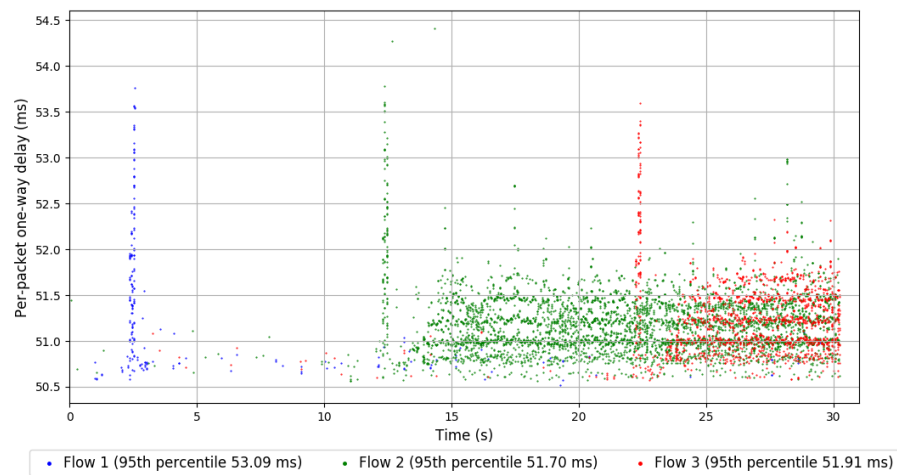
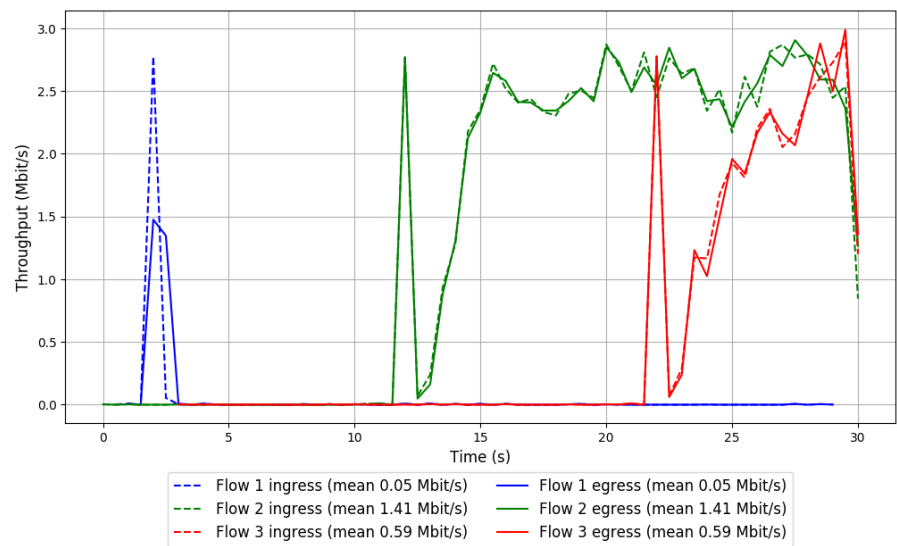
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 51.912 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:02:05 +0000

End at: Sat, 29 Jul 2017 07:02:35 +0000

Local clock offset: 0.595 ms

Remote clock offset: -0.205 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 49.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 49.590 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 49.595 ms

Loss rate: 0.00%

-- Flow 3:

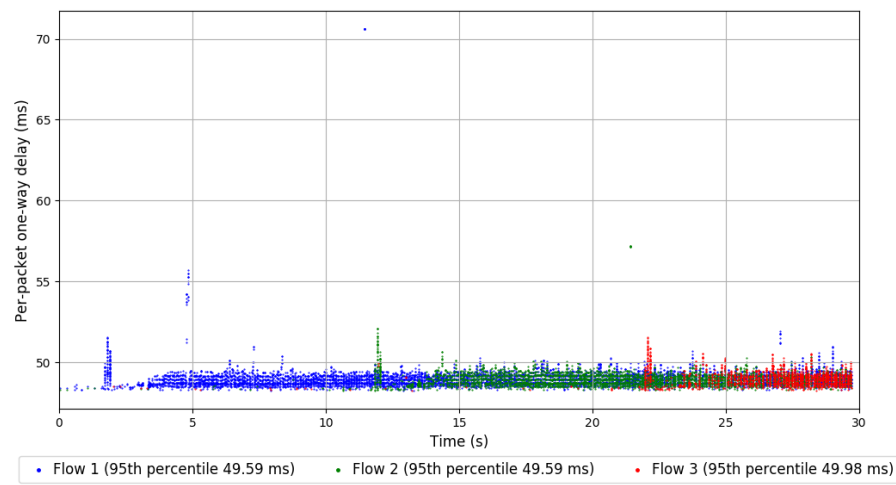
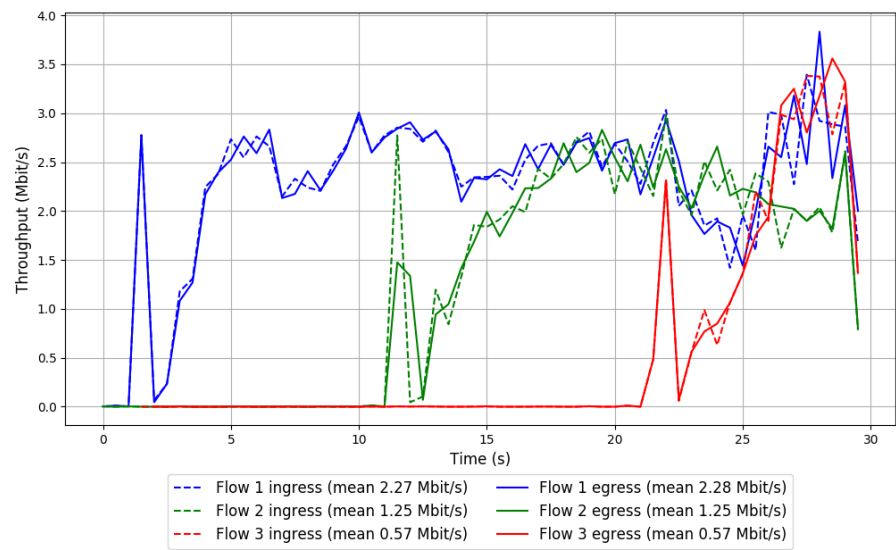
Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 49.980 ms

Loss rate: 0.00%



Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:22:57 +0000

End at: Sat, 29 Jul 2017 07:23:27 +0000

Local clock offset: 0.699 ms

Remote clock offset: 1.48 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 51.443 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 51.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

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

Loss rate: 0.00%

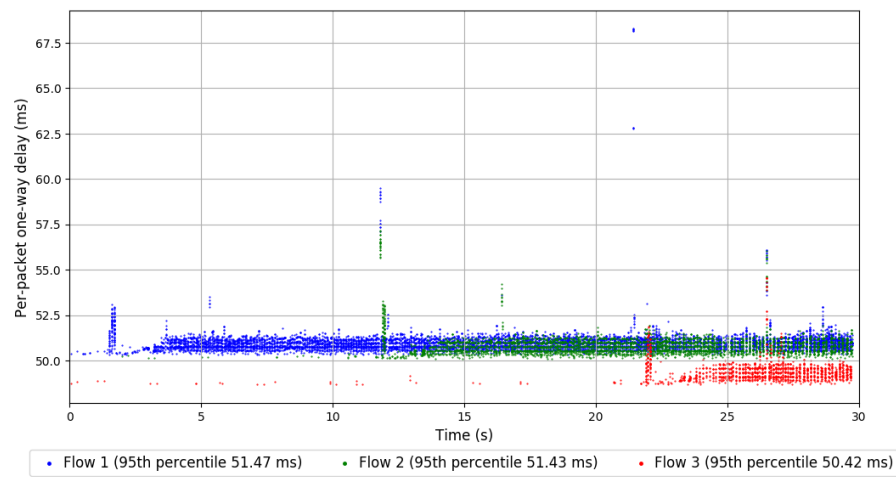
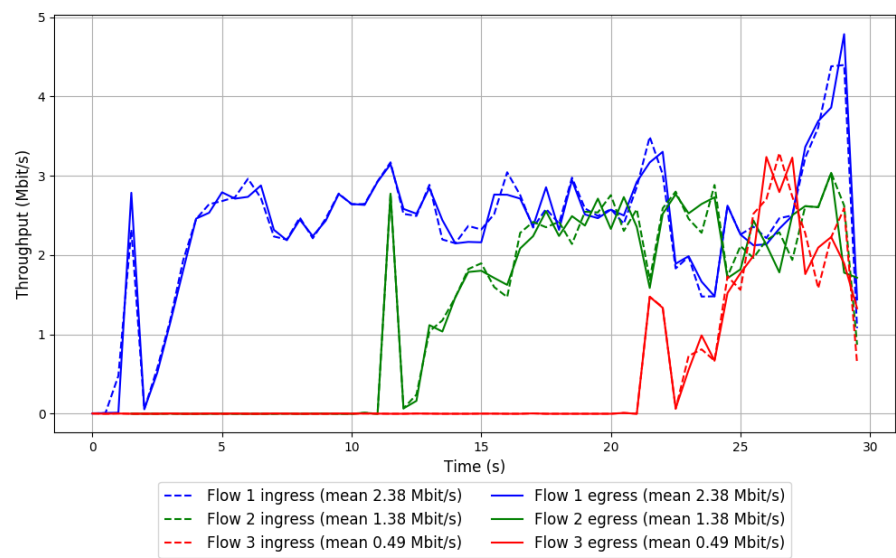
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 50.425 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 07:43:49 +0000

End at: Sat, 29 Jul 2017 07:44:19 +0000

Local clock offset: 0.612 ms

Remote clock offset: 0.128 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:57:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 51.617 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 51.661 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 51.784 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

