

**Pantheon Summary** (Generated at Sat, 29 Jul 2017 11:28:43 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)

Repeated the test of 15 congestion control schemes 10 times.

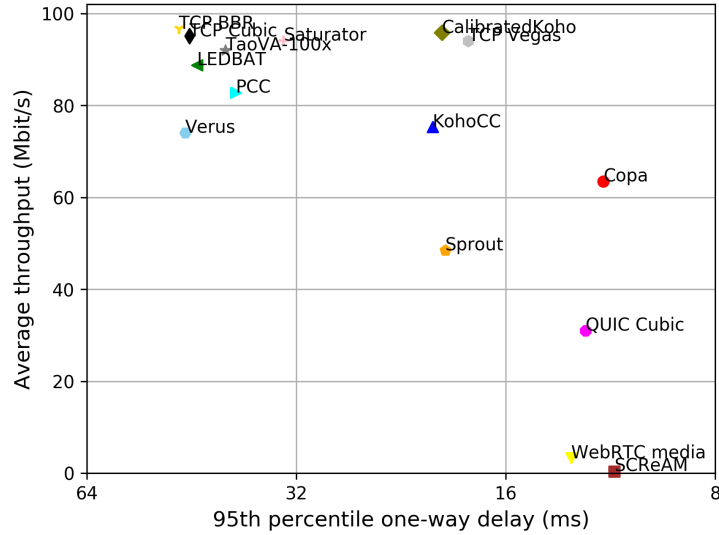
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

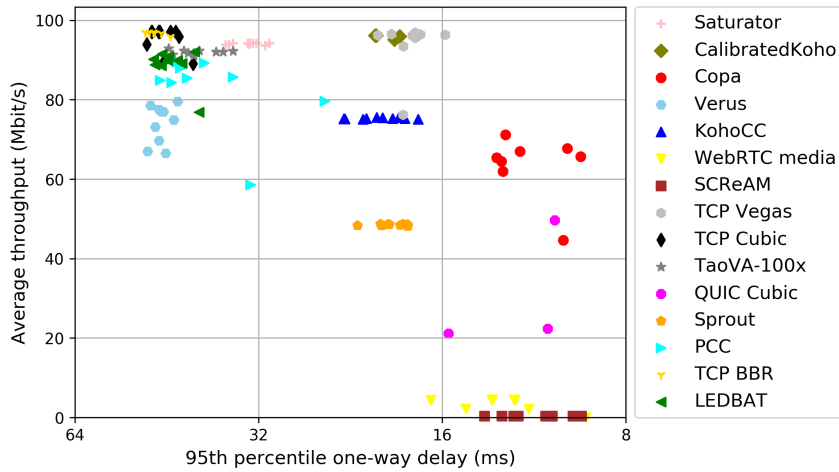
NTP offset measured against nets.org.sg and has been applied to correct the timestamps in logs.

```
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
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 India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



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





scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.16	41.14	30.95	45.68	47.93	48.91	6.35	13.74	18.69
CalibratedKoho	10	58.37	35.37	41.99	19.68	20.14	19.76	1.39	2.32	0.04
Copa	10	30.86	34.45	26.50	11.58	11.59	11.87	0.00	0.00	0.00
TCP Cubic	10	63.06	32.23	32.04	45.09	46.00	46.22	0.44	0.49	0.40
KohoCC	10	39.76	37.61	31.74	19.60	20.37	21.16	0.11	0.20	0.40
LEDBAT	10	58.04	35.12	22.46	43.43	45.33	45.50	0.08	0.16	0.42
PCC	10	66.42	16.10	17.40	38.15	40.41	40.87	1.83	2.12	2.83
QUIC Cubic	10	0.23	25.07	43.96	11.02	10.99	12.58	0.00	0.00	0.00
Saturator	10	61.82	47.77	36.81	33.16	33.80	42.79	0.61	1.38	15.01
SCReAM	10	0.21	0.21	0.22	11.16	11.15	11.18	0.00	0.00	0.00
Sprout	10	24.45	24.33	23.82	19.32	19.54	19.81	0.01	0.03	0.11
TaoVA-100x	10	57.44	43.05	18.88	38.37	42.50	37.39	4.35	9.39	16.15
TCP Vegas	10	61.54	34.24	29.26	18.87	15.48	15.00	0.27	0.02	0.12
Verus	10	50.67	28.80	18.12	46.21	45.83	46.20	29.90	30.92	36.23
WebRTC media	10	1.54	1.35	0.51	13.02	12.88	13.18	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 04:25:12 +0000

End at: Sat, 29 Jul 2017 04:25:42 +0000

Local clock offset: -0.63 ms

Remote clock offset: -6.984 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 48.362 ms

Loss rate: 7.42%

-- Flow 1:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 48.043 ms

Loss rate: 5.92%

-- Flow 2:

Average throughput: 51.53 Mbit/s

95th percentile per-packet one-way delay: 46.893 ms

Loss rate: 7.13%

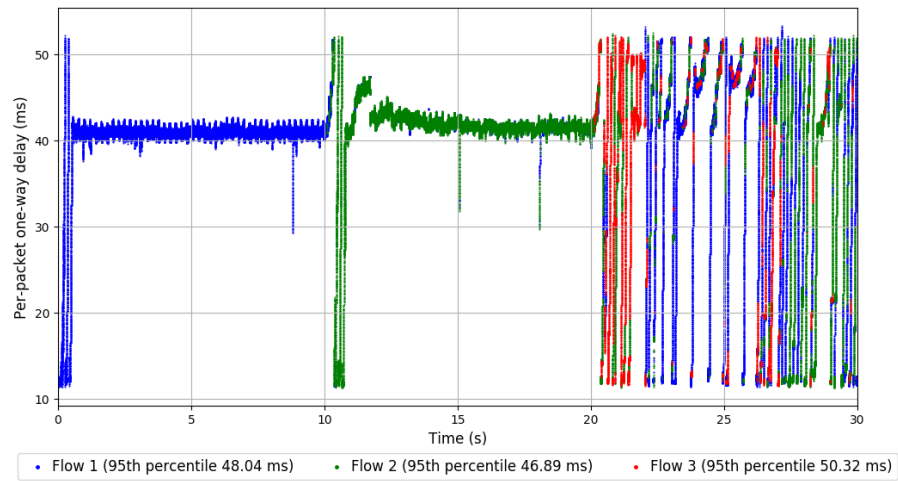
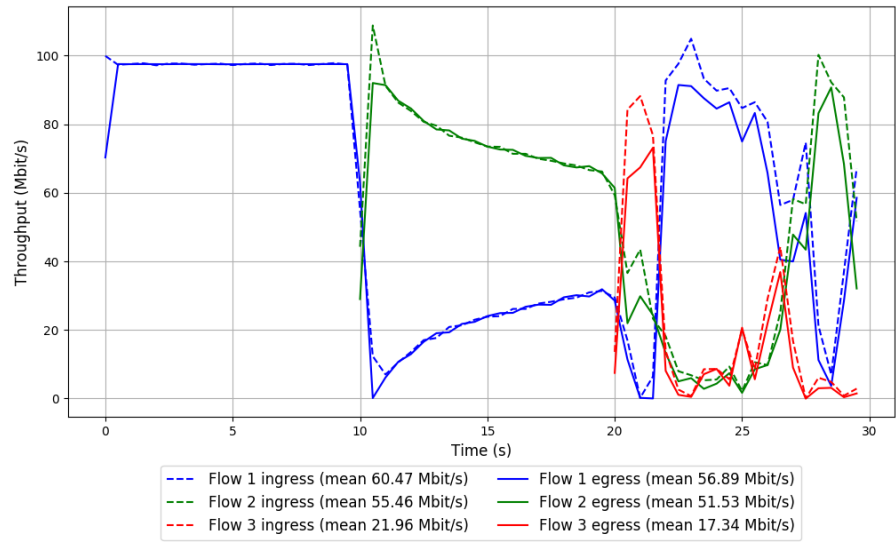
-- Flow 3:

Average throughput: 17.34 Mbit/s

95th percentile per-packet one-way delay: 50.316 ms

Loss rate: 21.29%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: Sat, 29 Jul 2017 04:46:57 +0000

Local clock offset: 1.235 ms

Remote clock offset: -7.646 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 44.642 ms

Loss rate: 10.16%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 43.095 ms

Loss rate: 7.62%

-- Flow 2:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 45.805 ms

Loss rate: 13.60%

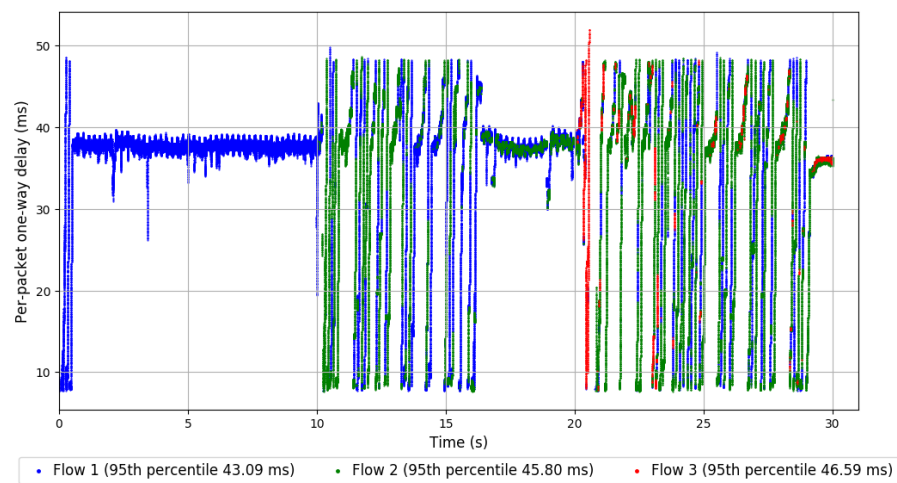
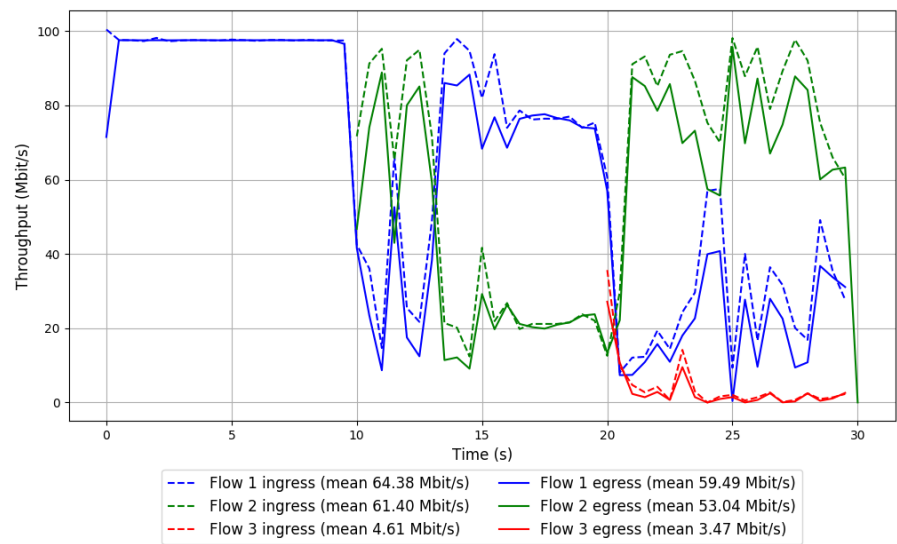
-- Flow 3:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 46.595 ms

Loss rate: 24.74%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:07:52 +0000

End at: Sat, 29 Jul 2017 05:08:22 +0000

Local clock offset: -0.649 ms

Remote clock offset: -5.034 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 47.481 ms

Loss rate: 9.86%

-- Flow 1:

Average throughput: 57.30 Mbit/s

95th percentile per-packet one-way delay: 47.068 ms

Loss rate: 7.61%

-- Flow 2:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 48.990 ms

Loss rate: 15.47%

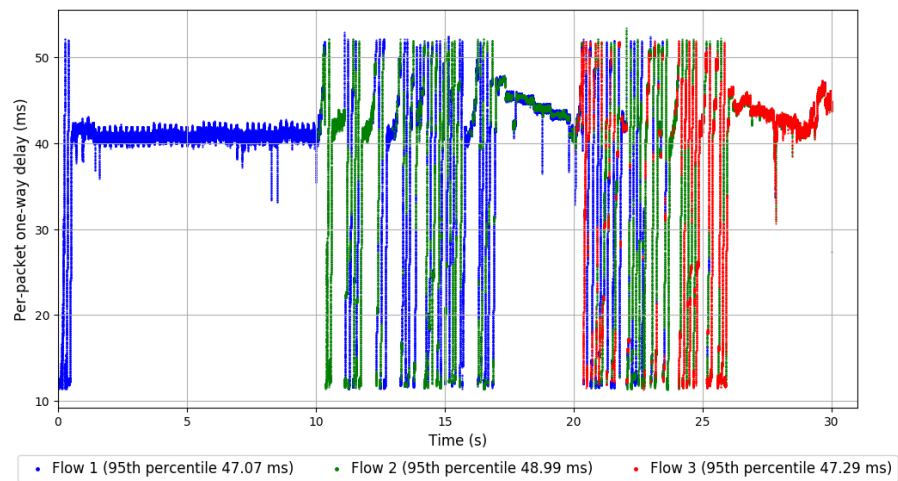
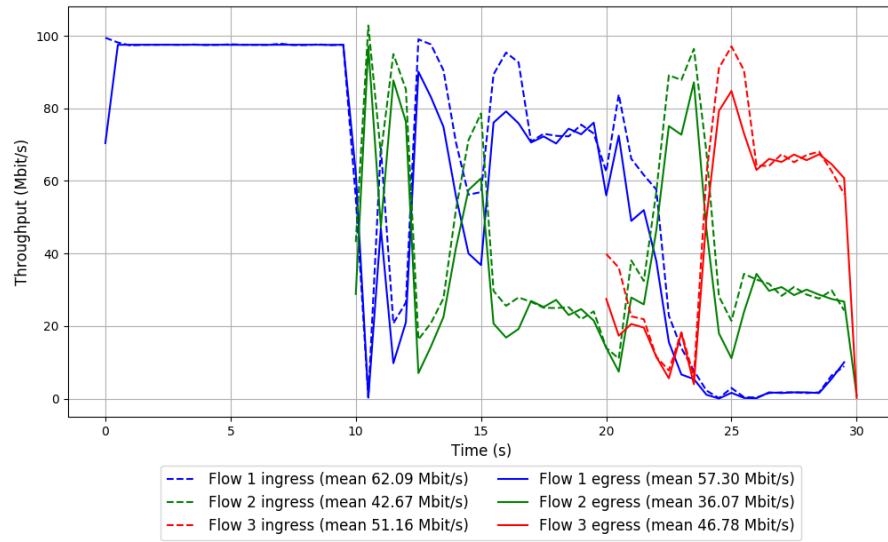
-- Flow 3:

Average throughput: 46.78 Mbit/s

95th percentile per-packet one-way delay: 47.288 ms

Loss rate: 8.67%

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



Run 4: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 05:27:24 +0000

End at: Sat, 29 Jul 2017 05:27:54 +0000

Local clock offset: 0.488 ms

Remote clock offset: -4.946 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 46.209 ms

Loss rate: 8.91%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 44.544 ms

Loss rate: 6.07%

-- Flow 2:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 46.922 ms

Loss rate: 11.81%

-- Flow 3:

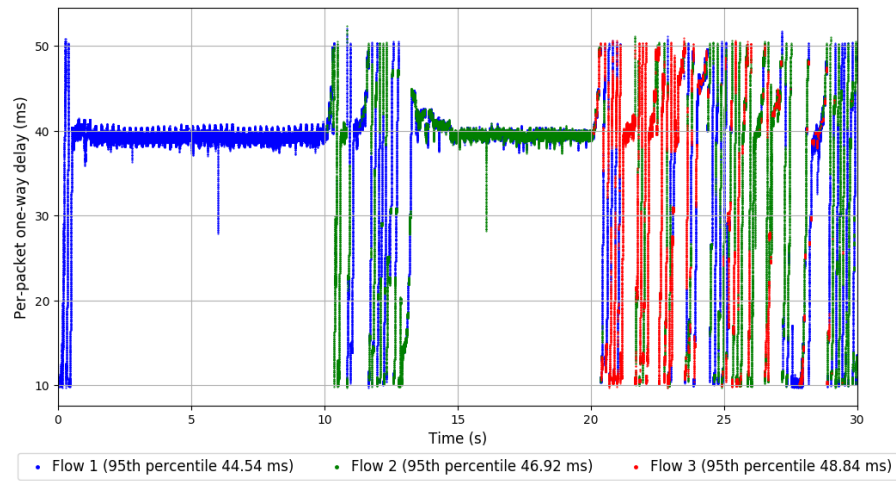
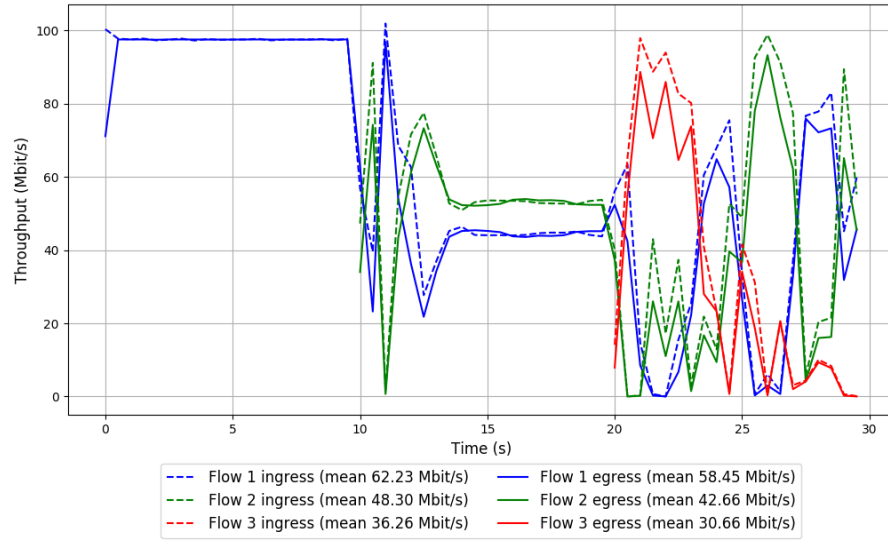
Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 48.836 ms

Loss rate: 15.95%



# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

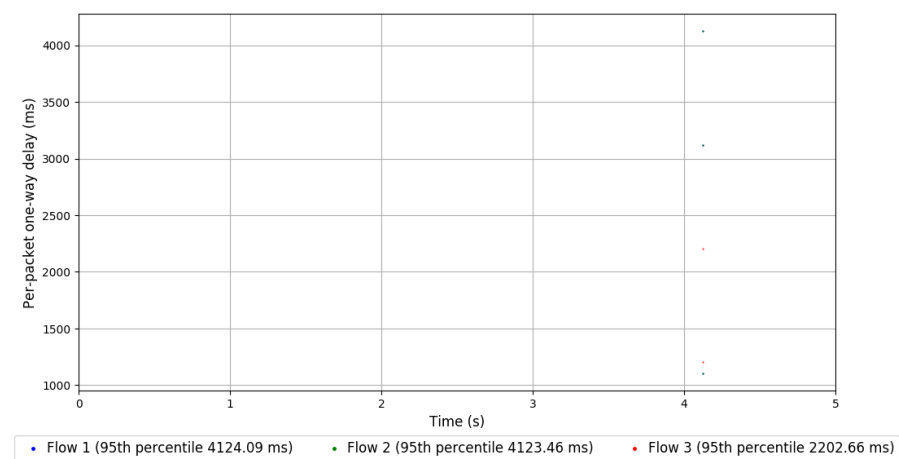
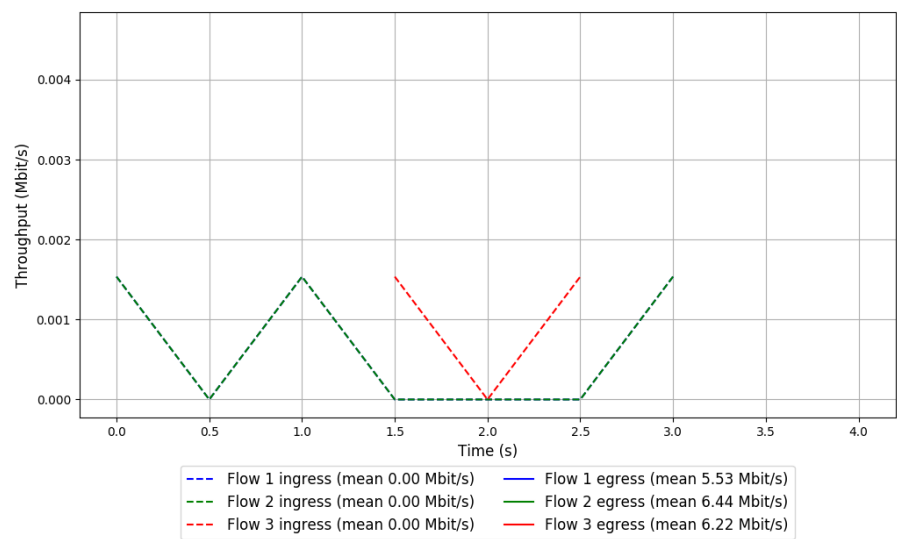
Start at: Sat, 29 Jul 2017 05:47:17 +0000

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

Local clock offset: -3.904 ms

Remote clock offset: -7.59 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:06:20 +0000

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

Local clock offset: -0.926 ms

Remote clock offset: -3.671 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 49.097 ms

Loss rate: 9.09%

-- Flow 1:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 46.651 ms

Loss rate: 3.66%

-- Flow 2:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 50.128 ms

Loss rate: 21.37%

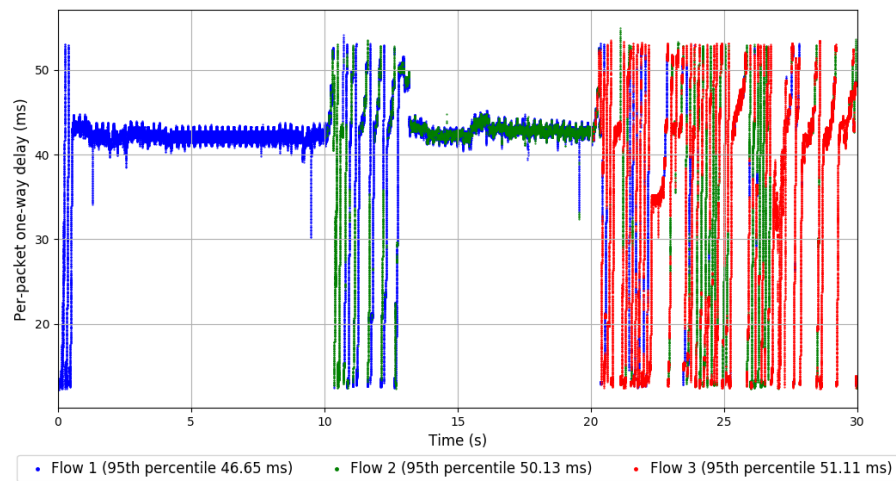
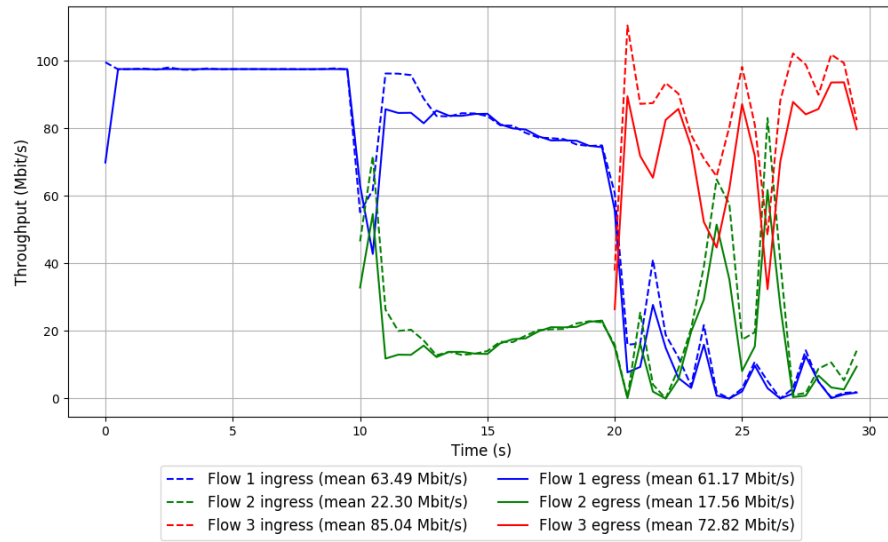
-- Flow 3:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 51.109 ms

Loss rate: 14.84%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

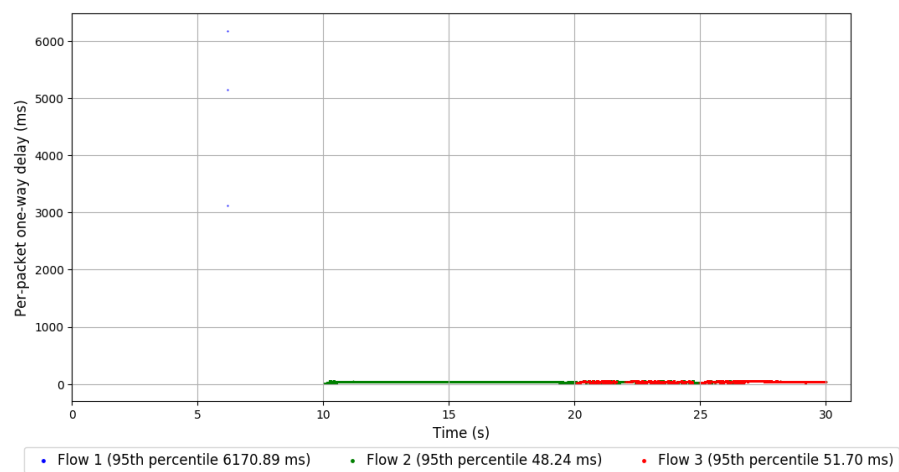
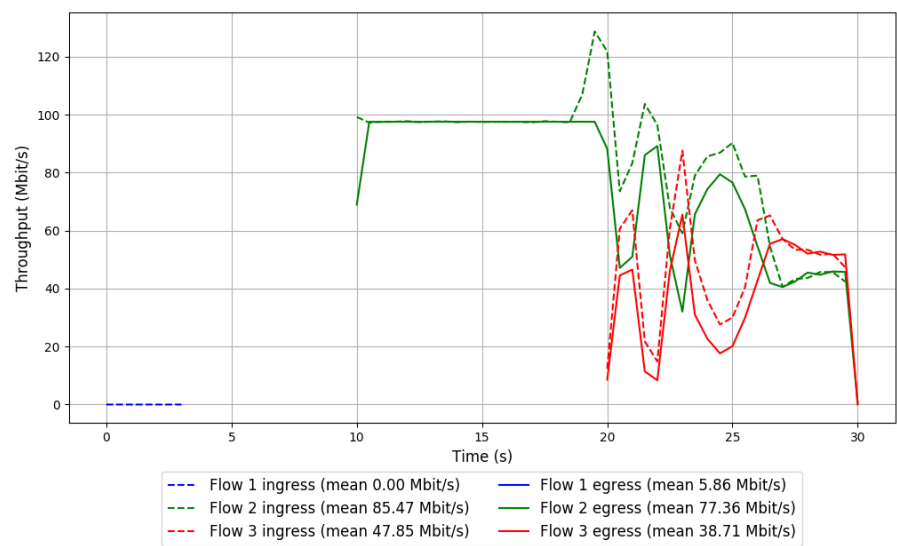
Start at: Sat, 29 Jul 2017 06:25:51 +0000

End at: Sat, 29 Jul 2017 06:26:21 +0000

Local clock offset: 0.053 ms

Remote clock offset: -3.152 ms

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 06:45:08 +0000

End at: Sat, 29 Jul 2017 06:45:38 +0000

Local clock offset: 2.817 ms

Remote clock offset: -2.565 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 47.584 ms

Loss rate: 10.28%

-- Flow 1:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 44.680 ms

Loss rate: 7.20%

-- Flow 2:

Average throughput: 46.00 Mbit/s

95th percentile per-packet one-way delay: 48.861 ms

Loss rate: 13.08%

-- Flow 3:

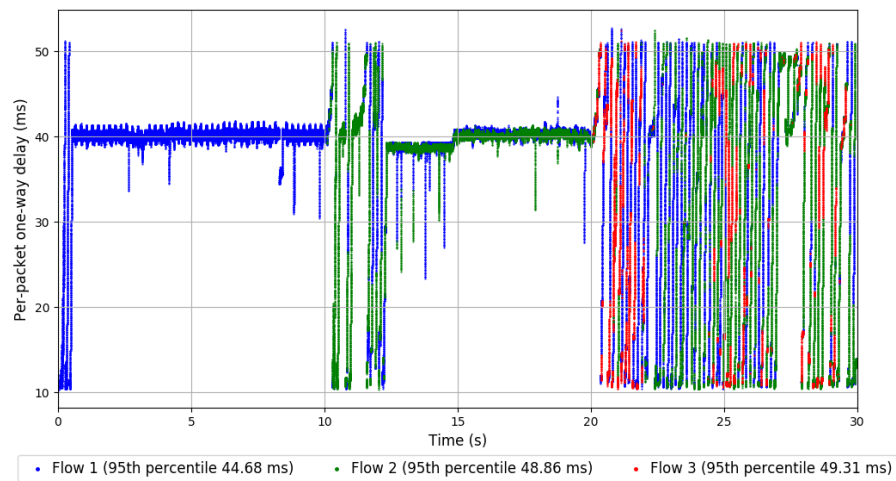
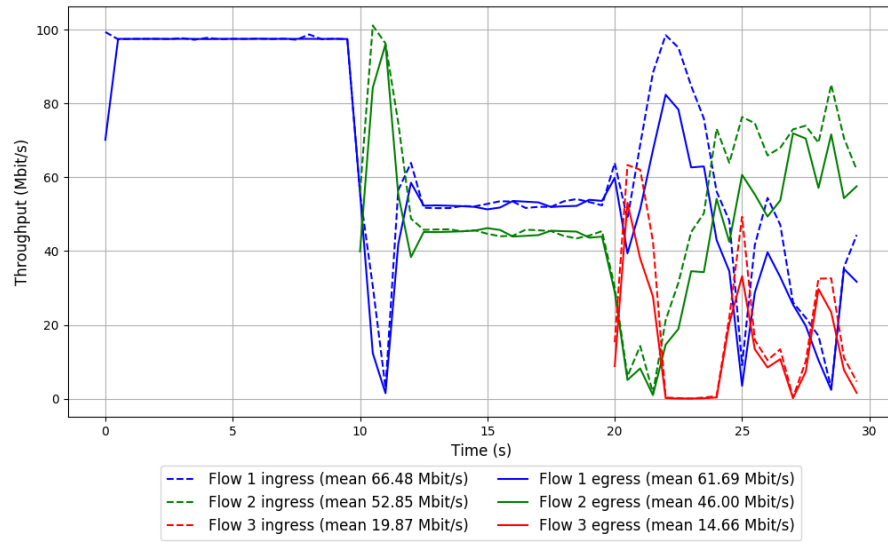
Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 49.313 ms

Loss rate: 26.63%



# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

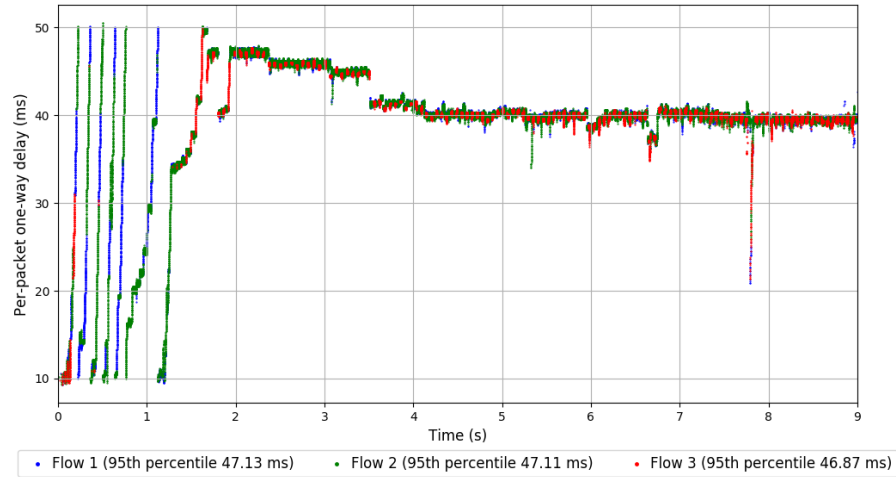
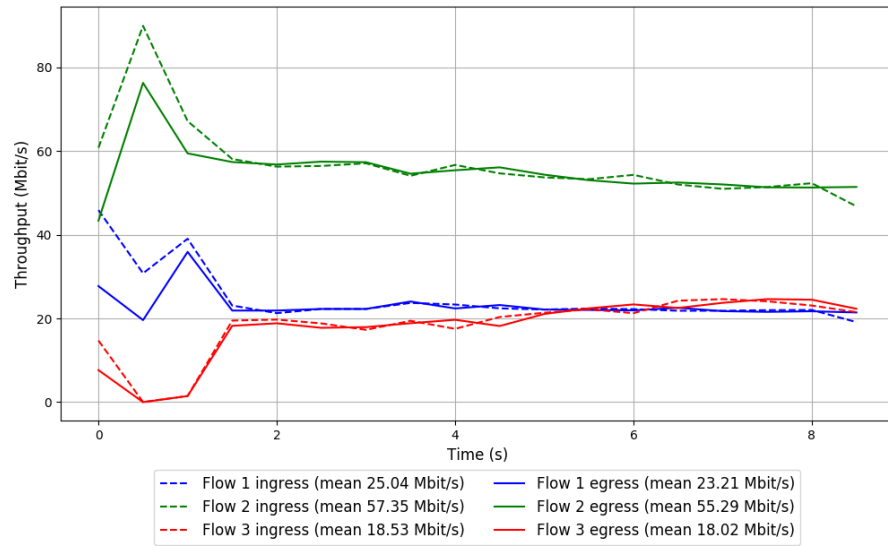
Start at: Sat, 29 Jul 2017 07:04:33 +0000

End at: Sat, 29 Jul 2017 07:05:03 +0000

Local clock offset: 3.0 ms

Remote clock offset: -3.724 ms

# Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 29 Jul 2017 07:23:39 +0000

End at: Sat, 29 Jul 2017 07:24:09 +0000

Local clock offset: 3.186 ms

Remote clock offset: -2.701 ms

Run 10: Report of TCP BBR — Data Link

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Figure is missing

Run 1: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:22:30 +0000

End at: Sat, 29 Jul 2017 04:23:00 +0000

Local clock offset: -0.89 ms

Remote clock offset: -7.463 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:16:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 20.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.49 Mbit/s

95th percentile per-packet one-way delay: 20.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 21.292 ms

Loss rate: 0.00%

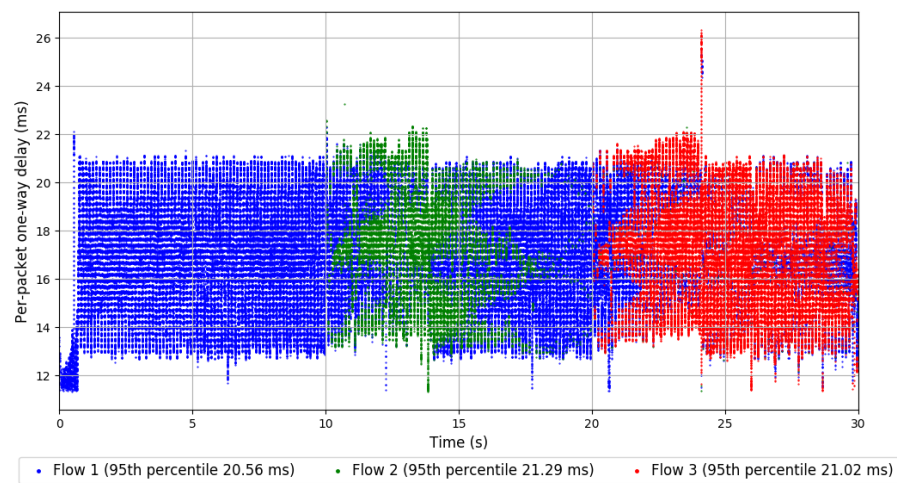
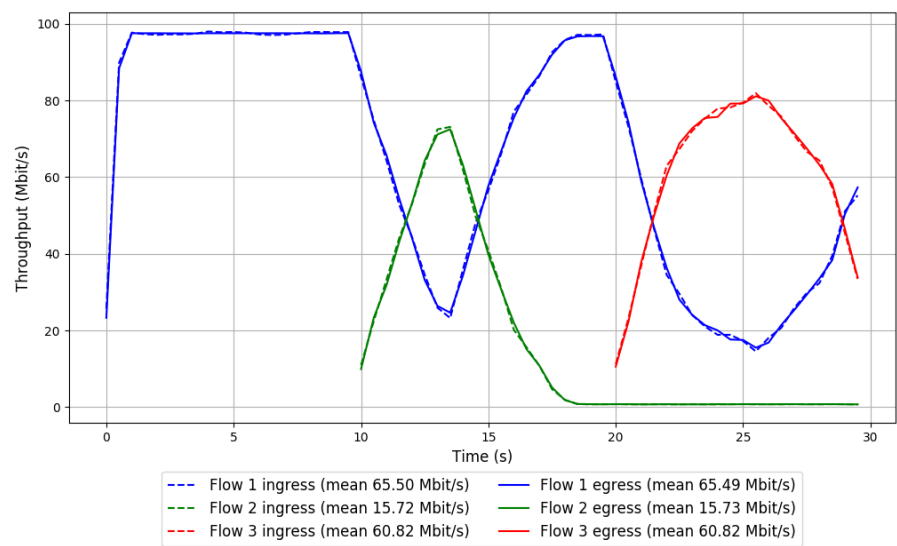
-- Flow 3:

Average throughput: 60.82 Mbit/s

95th percentile per-packet one-way delay: 21.019 ms

Loss rate: 0.02%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 04:43:31 +0000

End at: Sat, 29 Jul 2017 04:44:01 +0000

Local clock offset: -1.089 ms

Remote clock offset: -7.263 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 19.172 ms

Loss rate: 5.03%

-- Flow 1:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 19.208 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 19.739 ms

Loss rate: 9.27%

-- Flow 3:

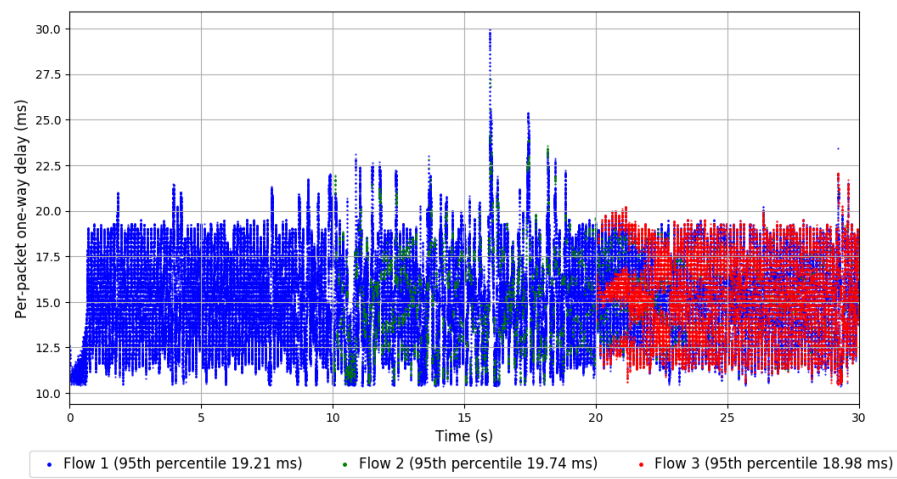
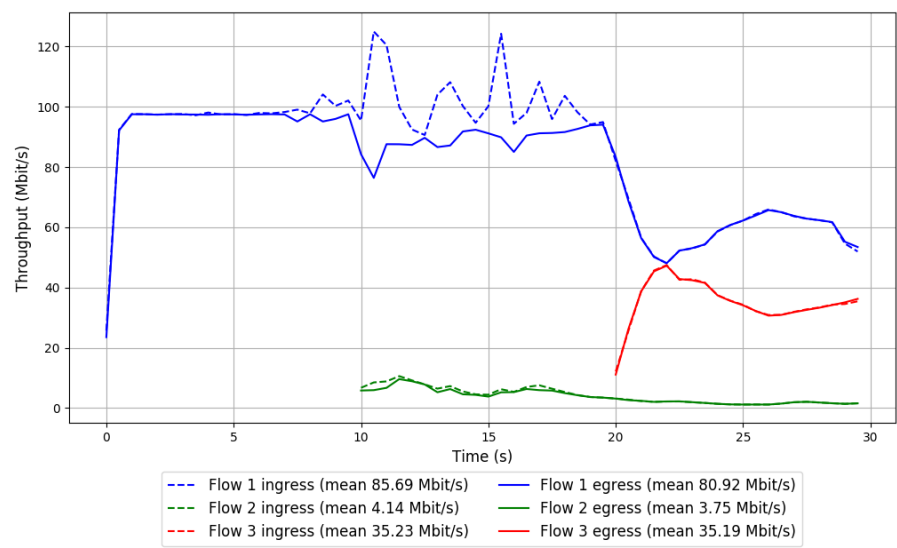
Average throughput: 35.19 Mbit/s

95th percentile per-packet one-way delay: 18.981 ms

Loss rate: 0.11%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

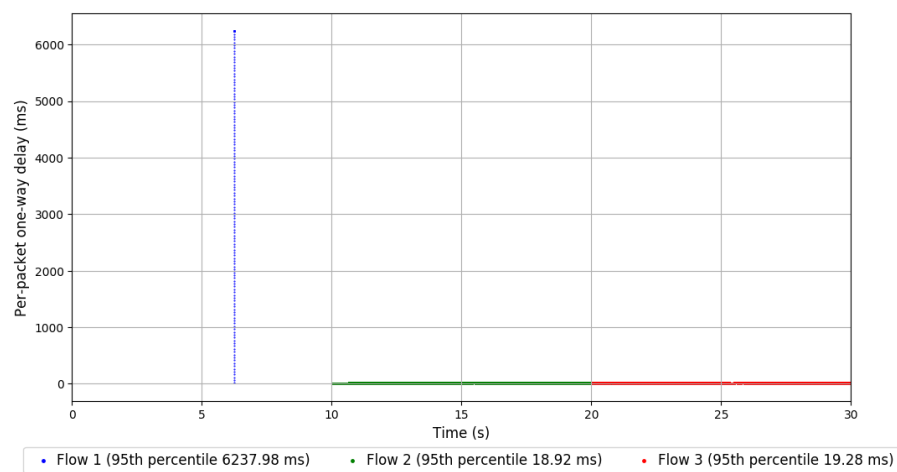
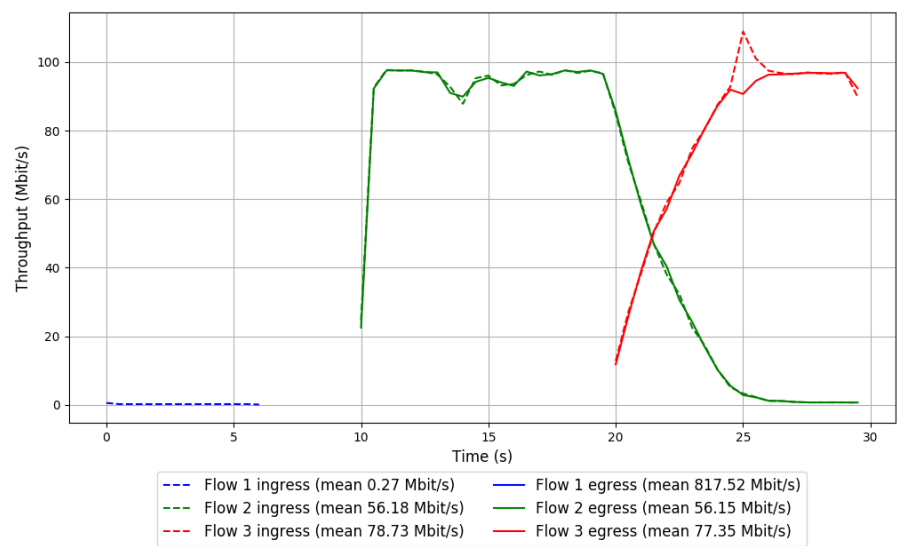
Start at: Sat, 29 Jul 2017 05:05:11 +0000

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

Local clock offset: 1.033 ms

Remote clock offset: -4.955 ms

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

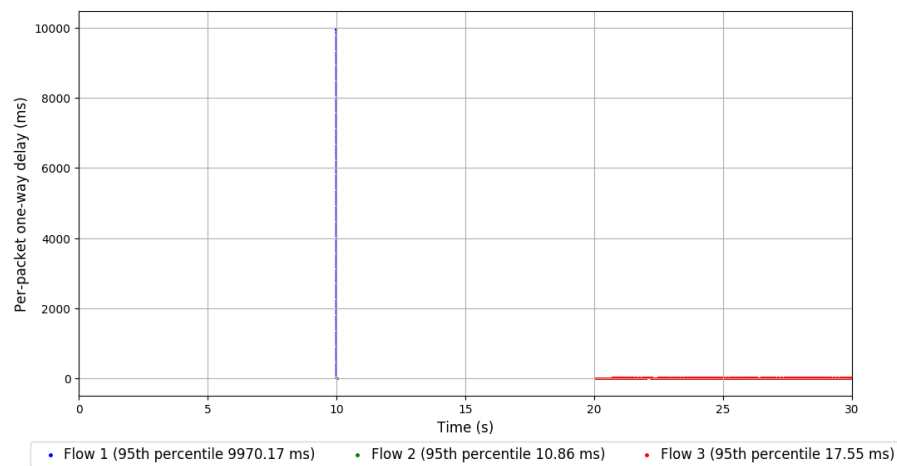
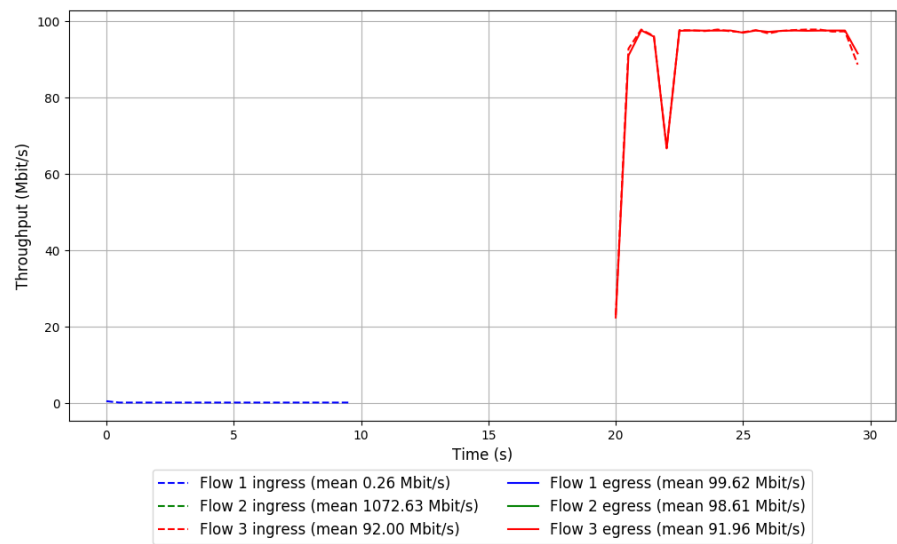
Start at: Sat, 29 Jul 2017 05:24:51 +0000

End at: Sat, 29 Jul 2017 05:25:21 +0000

Local clock offset: 1.983 ms

Remote clock offset: -4.53 ms

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 05:44:32 +0000

End at: Sat, 29 Jul 2017 05:45:02 +0000

Local clock offset: 0.239 ms

Remote clock offset: -4.196 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 18.791 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 18.598 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 18.989 ms

Loss rate: 0.01%

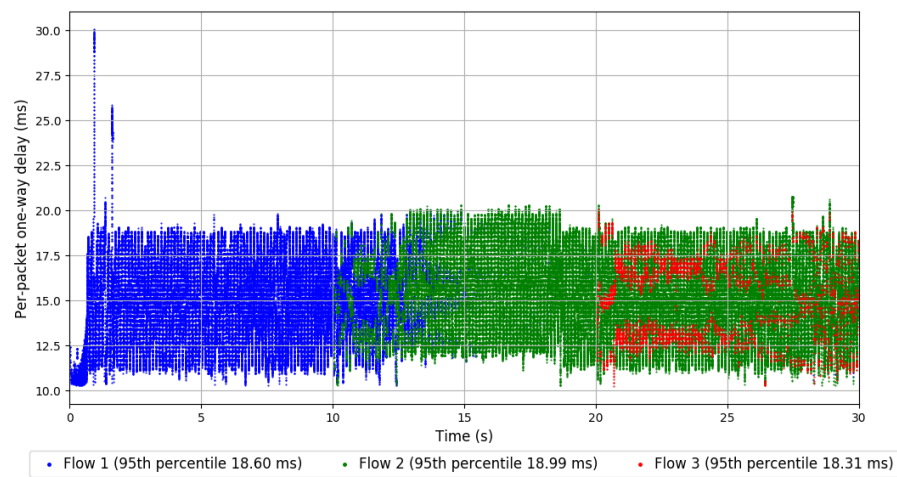
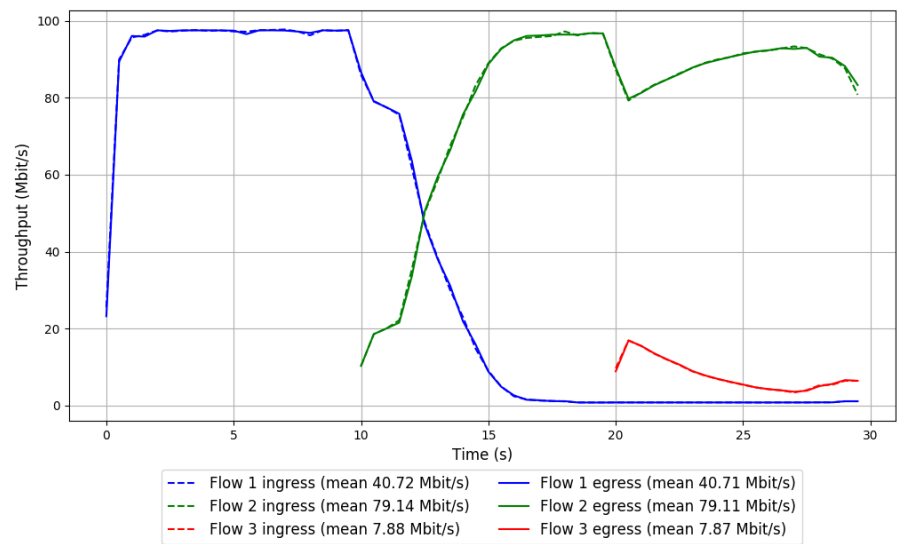
-- Flow 3:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 0.02%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

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

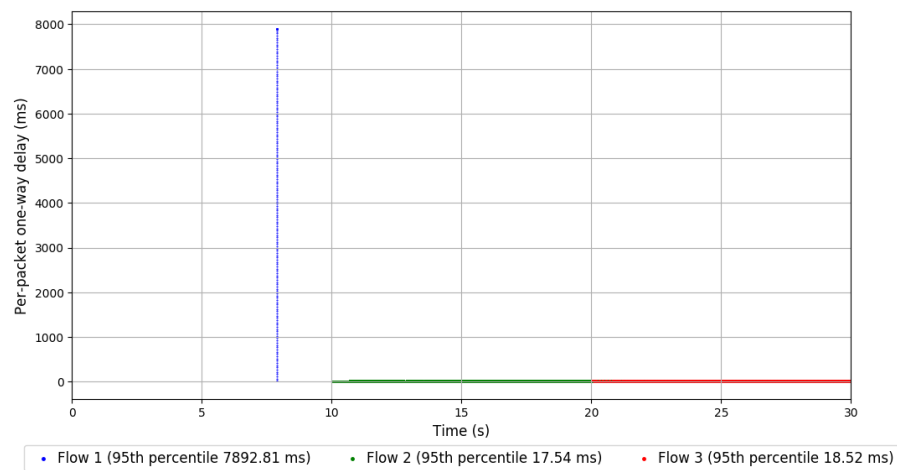
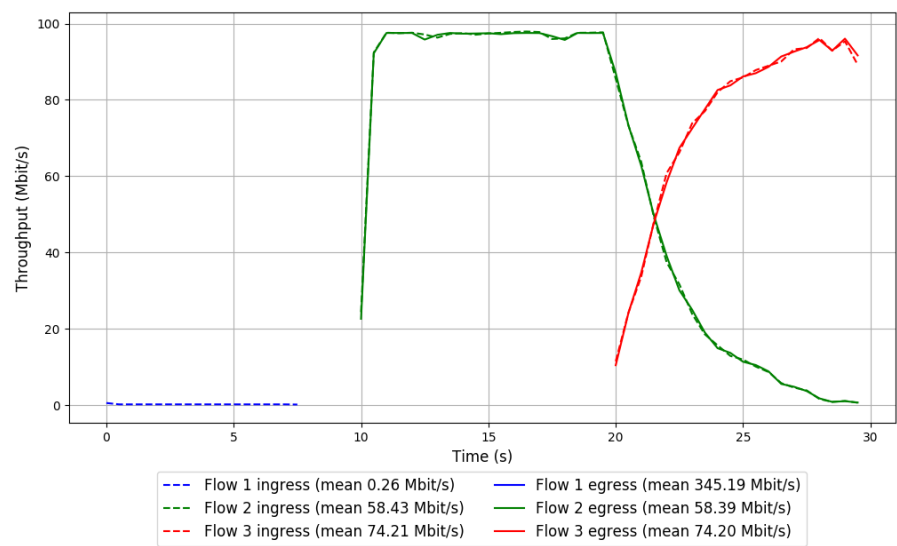
End at: Sat, 29 Jul 2017 06:04:02 +0000

Local clock offset: 1.641 ms

Remote clock offset: -3.901 ms



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

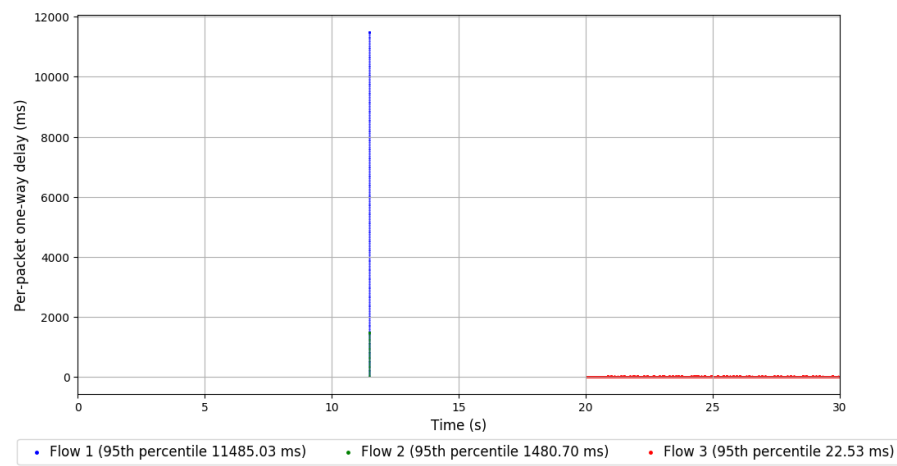
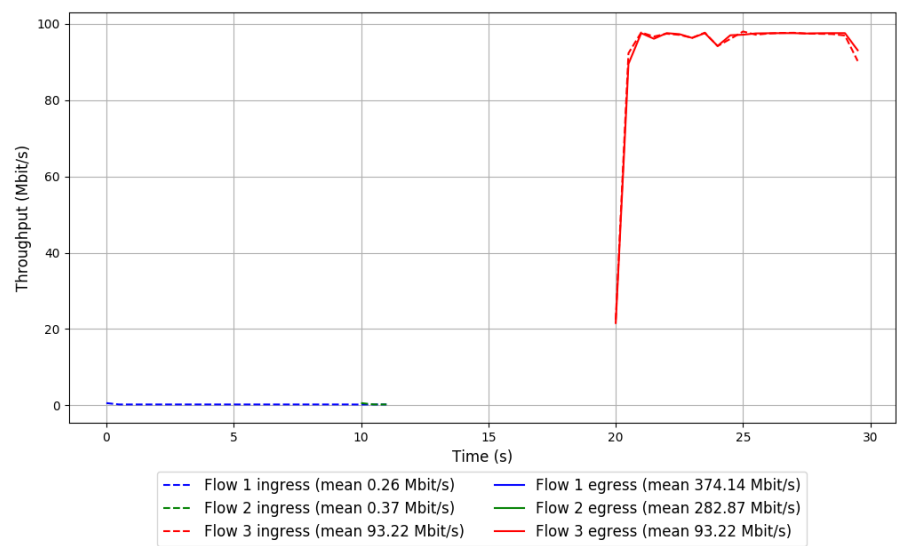
Start at: Sat, 29 Jul 2017 06:23:14 +0000

End at: Sat, 29 Jul 2017 06:23:44 +0000

Local clock offset: -0.691 ms

Remote clock offset: -2.178 ms

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 06:42:24 +0000

End at: Sat, 29 Jul 2017 06:42:54 +0000

Local clock offset: 0.015 ms

Remote clock offset: -3.692 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 20.515 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.34 Mbit/s

95th percentile per-packet one-way delay: 20.338 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.87 Mbit/s

95th percentile per-packet one-way delay: 20.527 ms

Loss rate: 0.00%

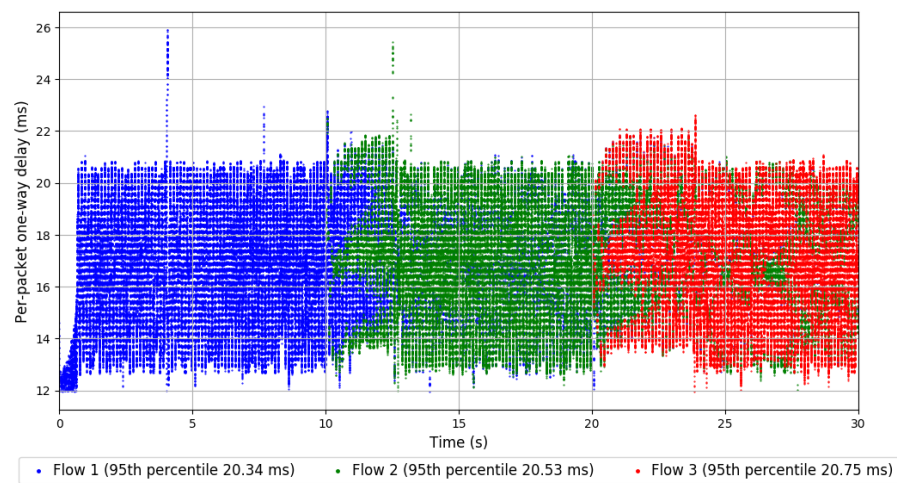
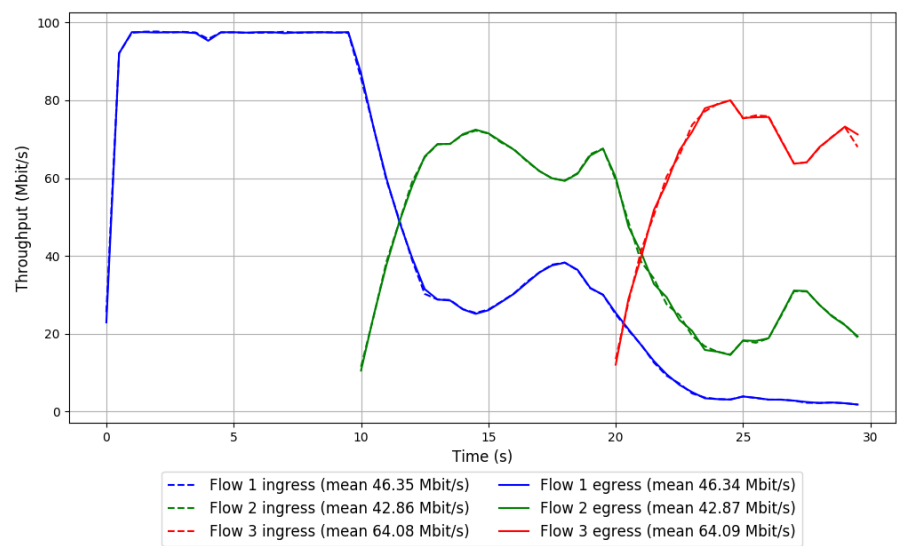
-- Flow 3:

Average throughput: 64.09 Mbit/s

95th percentile per-packet one-way delay: 20.753 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

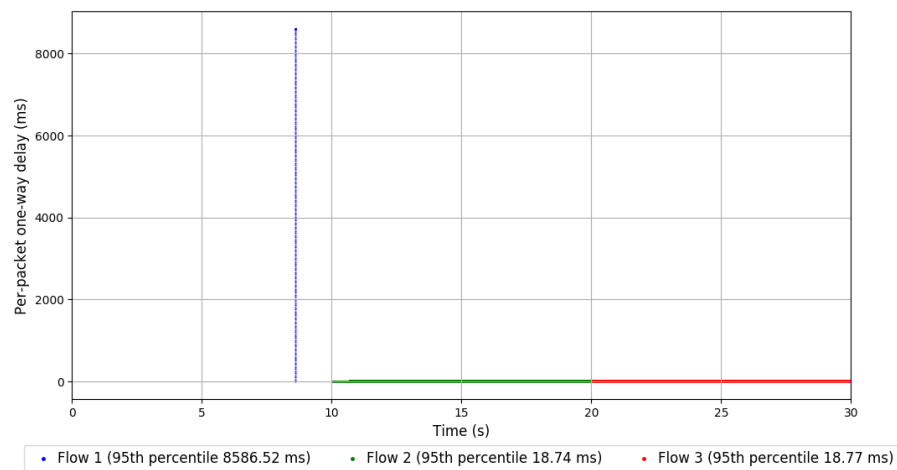
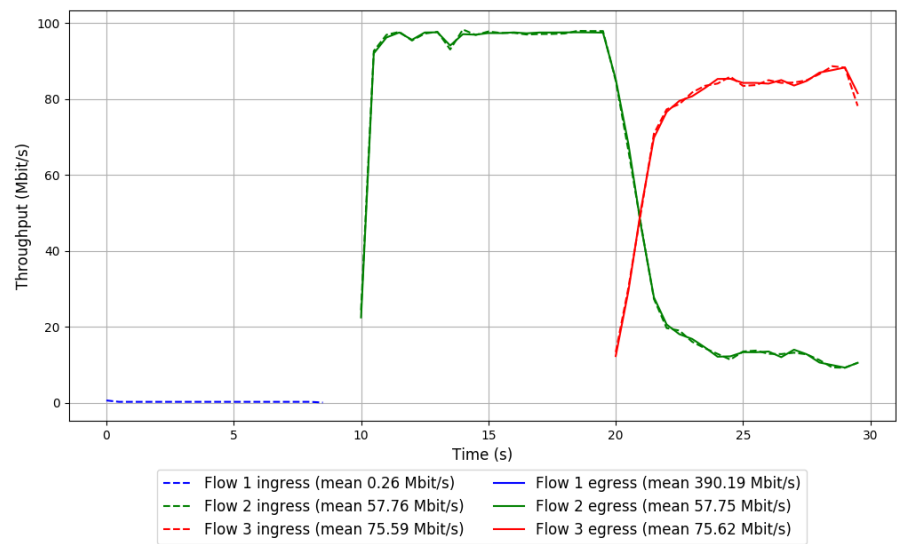
Start at: Sat, 29 Jul 2017 07:01:47 +0000

End at: Sat, 29 Jul 2017 07:02:17 +0000

Local clock offset: -2.99 ms

Remote clock offset: -9.438 ms

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 29 Jul 2017 07:21:11 +0000

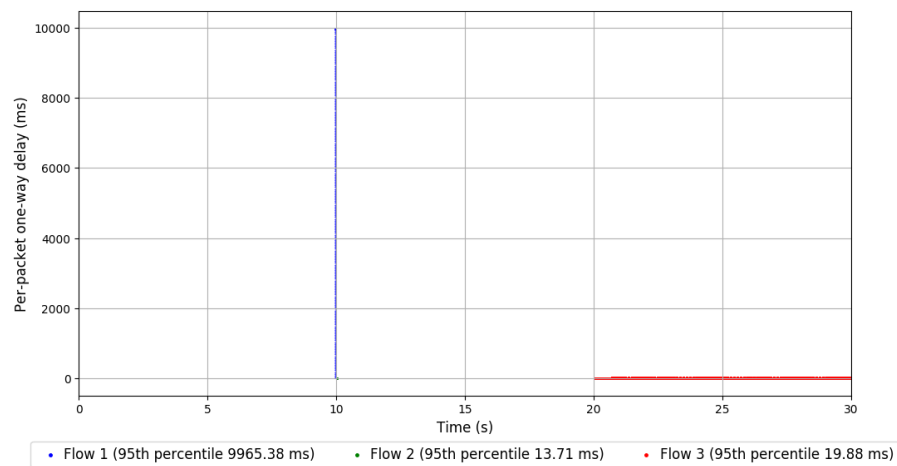
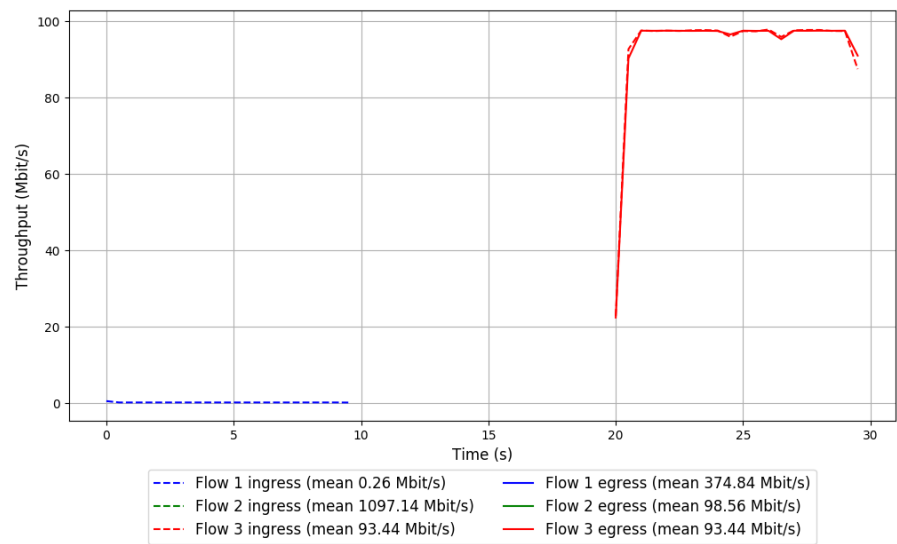
End at: Sat, 29 Jul 2017 07:21:41 +0000

Local clock offset: 2.273 ms

Remote clock offset: -2.853 ms



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

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

End at: Sat, 29 Jul 2017 04:30:03 +0000

Local clock offset: -1.383 ms

Remote clock offset: -6.46 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 12.790 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 12.764 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 12.775 ms

Loss rate: 0.00%

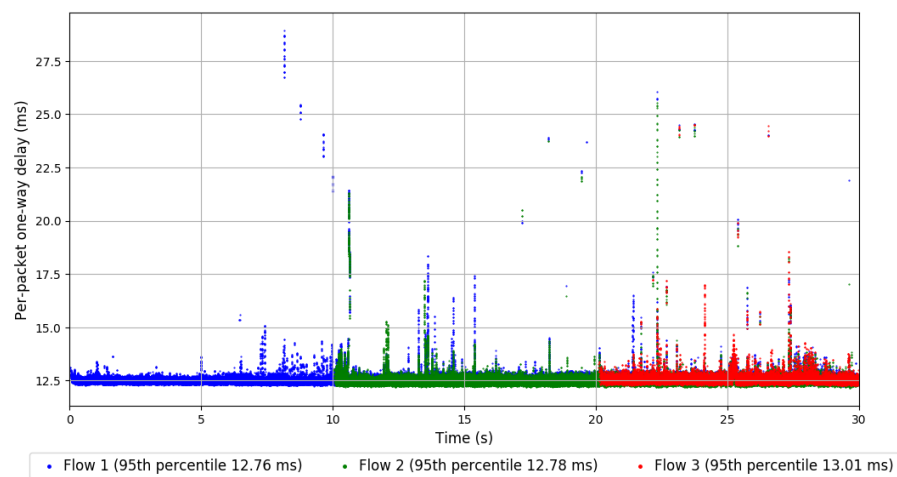
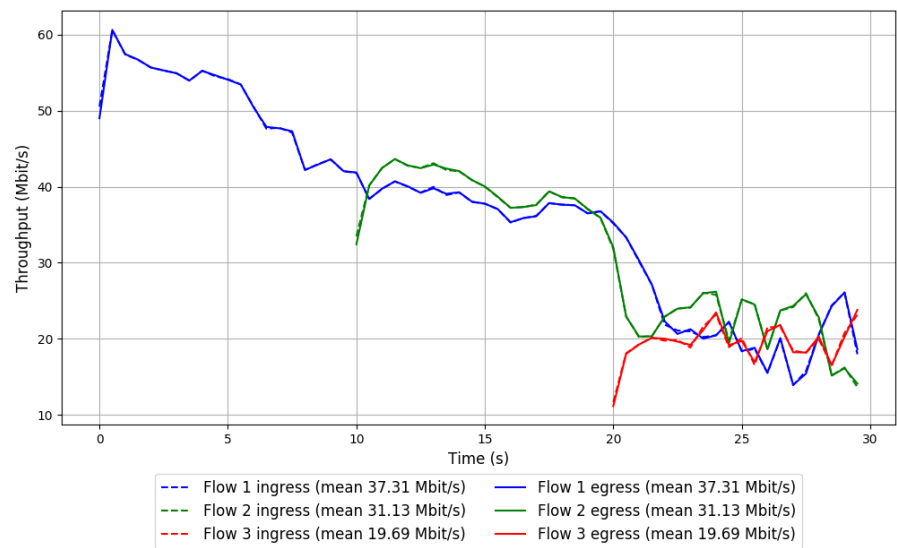
-- Flow 3:

Average throughput: 19.69 Mbit/s

95th percentile per-packet one-way delay: 13.009 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 29 Jul 2017 04:51:08 +0000

End at: Sat, 29 Jul 2017 04:51:38 +0000

Local clock offset: 1.361 ms

Remote clock offset: -6.04 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.67 Mbit/s

95th percentile per-packet one-way delay: 9.490 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 9.449 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 9.511 ms

Loss rate: 0.00%

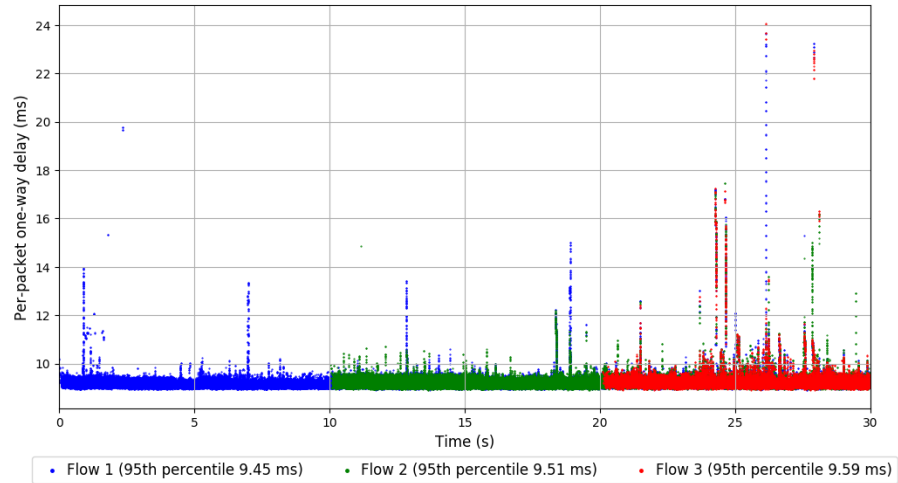
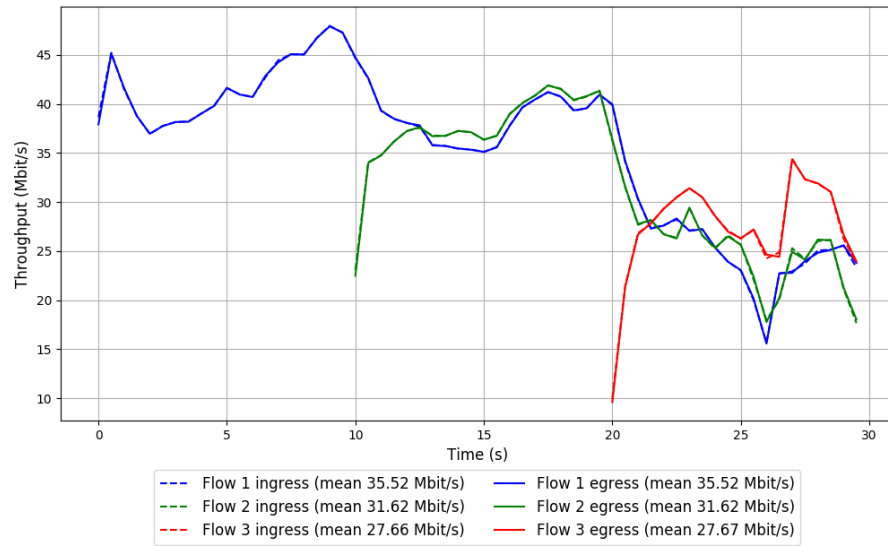
-- Flow 3:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 9.593 ms

Loss rate: 0.00%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:11:49 +0000

End at: Sat, 29 Jul 2017 05:12:19 +0000

Local clock offset: 1.166 ms

Remote clock offset: -4.767 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:17:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.64 Mbit/s

95th percentile per-packet one-way delay: 10.126 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 10.407 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 10.076 ms

Loss rate: 0.00%

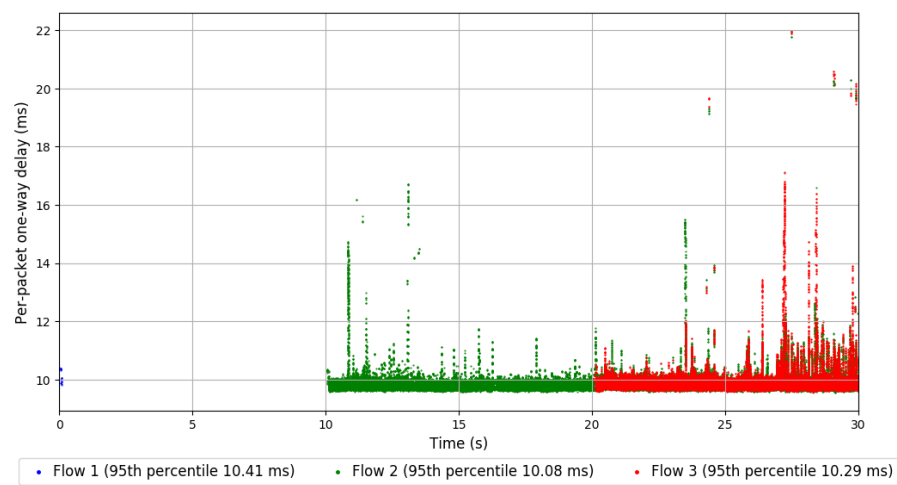
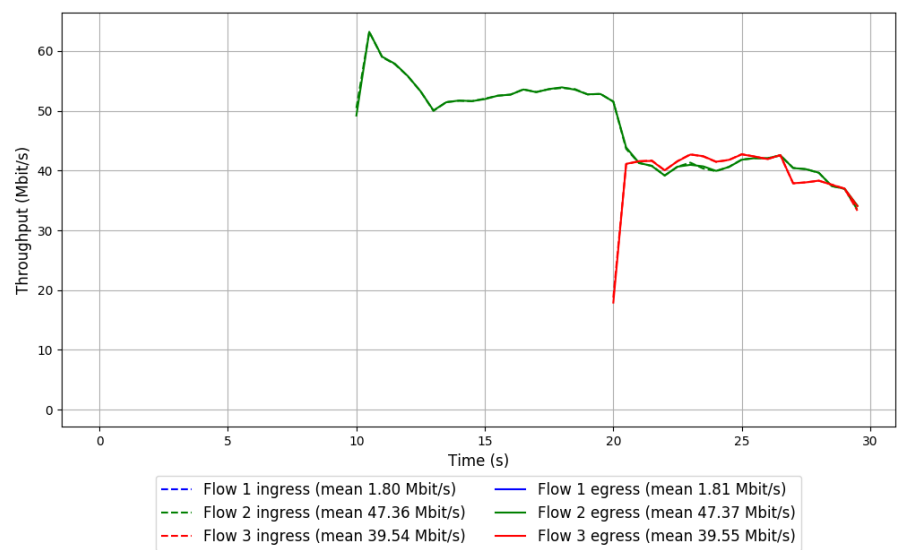
-- Flow 3:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 10.290 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 29 Jul 2017 05:31:23 +0000

End at: Sat, 29 Jul 2017 05:31:53 +0000

Local clock offset: -0.575 ms

Remote clock offset: -3.171 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 13.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 12.999 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 13.099 ms

Loss rate: 0.00%

-- Flow 3:

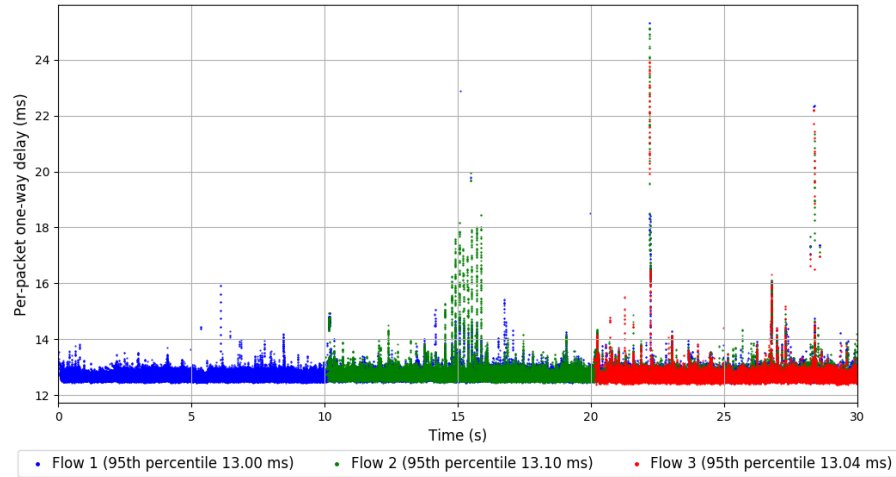
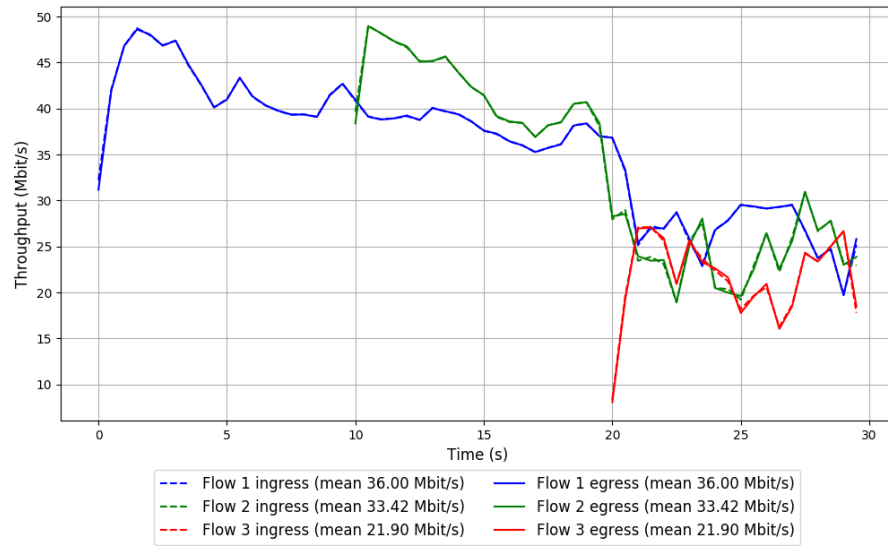
Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 13.044 ms

Loss rate: 0.00%



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



Run 5: Statistics of Copa

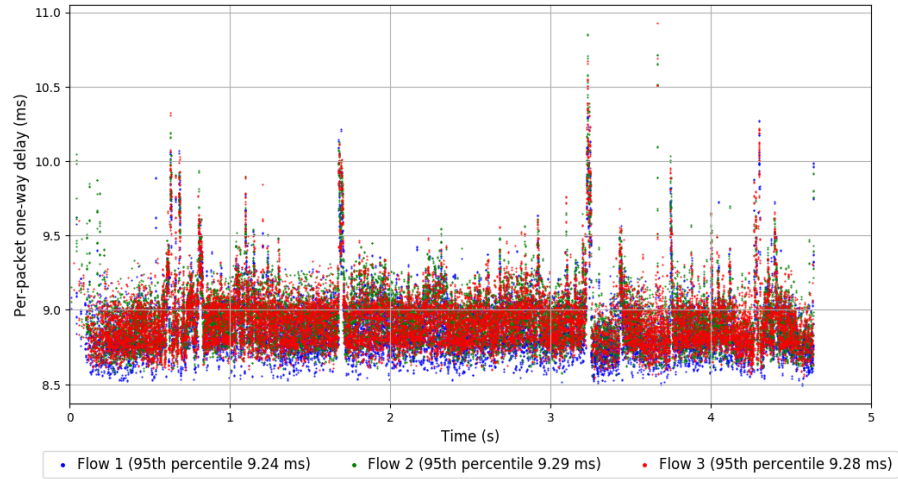
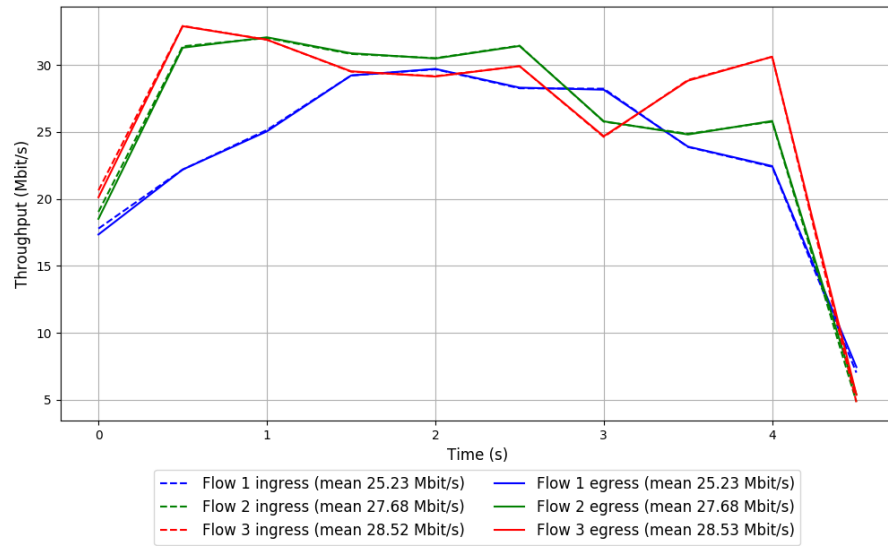
Start at: Sat, 29 Jul 2017 05:51:02 +0000

End at: Sat, 29 Jul 2017 05:51:32 +0000

Local clock offset: 2.13 ms

Remote clock offset: -3.962 ms

## Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:10:31 +0000

End at: Sat, 29 Jul 2017 06:11:01 +0000

Local clock offset: 1.032 ms

Remote clock offset: -2.88 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.98 Mbit/s

95th percentile per-packet one-way delay: 11.925 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 11.876 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 12.021 ms

Loss rate: 0.00%

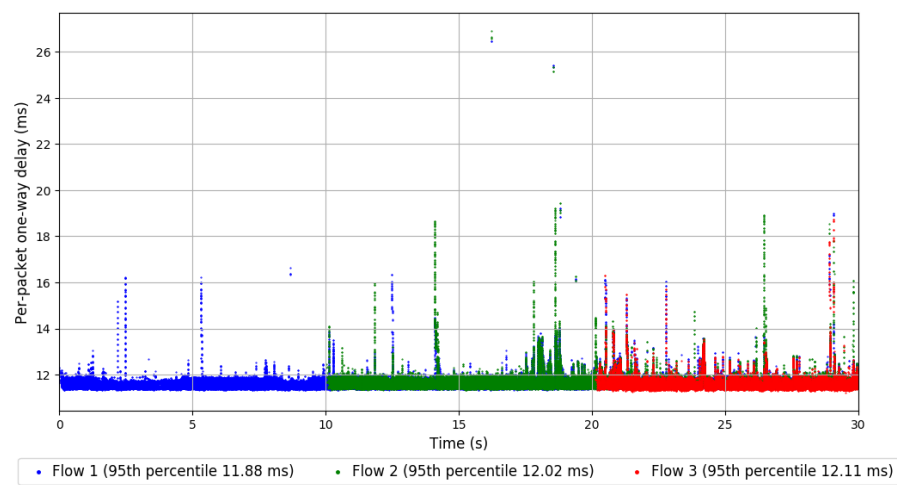
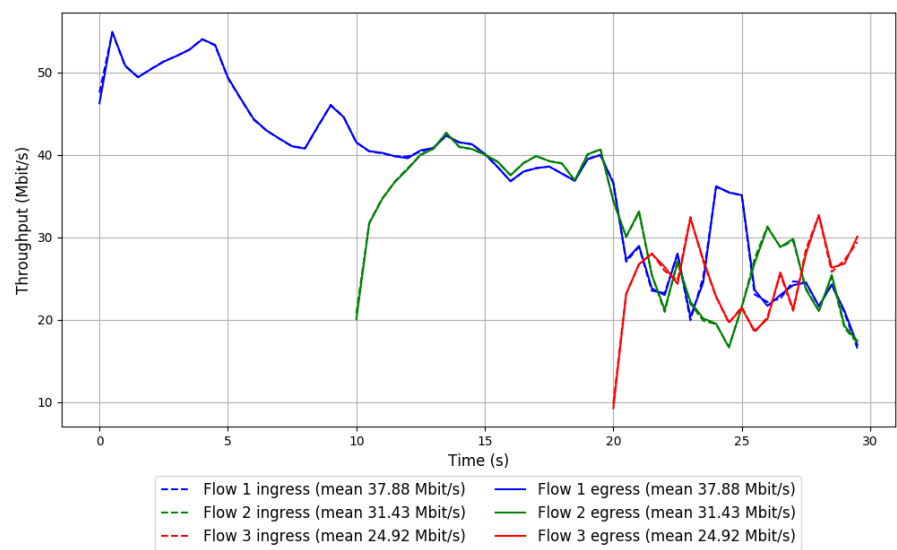
-- Flow 3:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 12.109 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

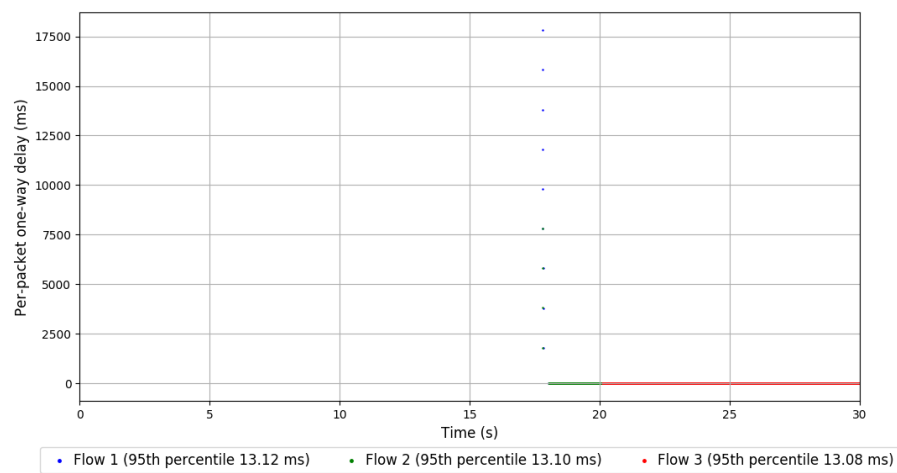
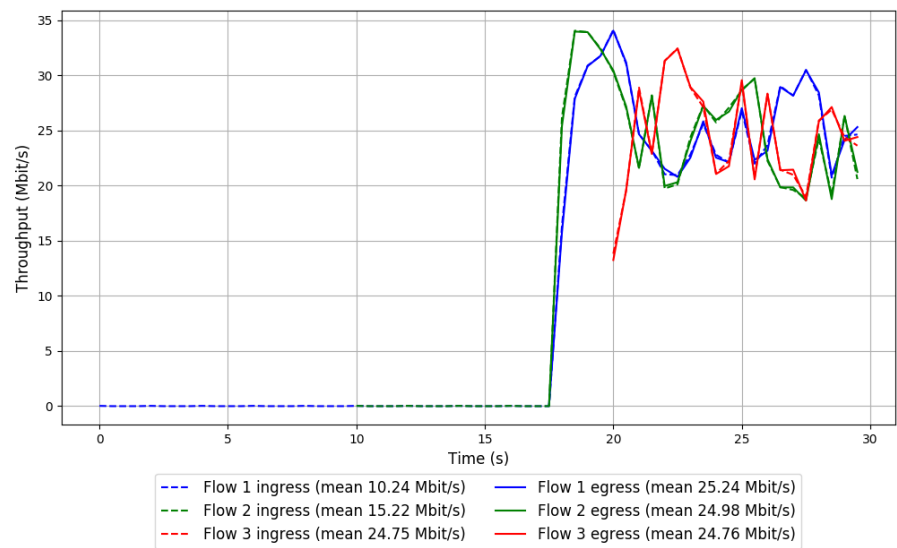
Start at: Sat, 29 Jul 2017 06:29:49 +0000

End at: Sat, 29 Jul 2017 06:30:19 +0000

Local clock offset: 0.578 ms

Remote clock offset: -2.751 ms

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 29 Jul 2017 06:48:59 +0000

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

Local clock offset: 0.306 ms

Remote clock offset: -3.543 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.93 Mbit/s

95th percentile per-packet one-way delay: 12.724 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 12.737 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 12.669 ms

Loss rate: 0.00%

-- Flow 3:

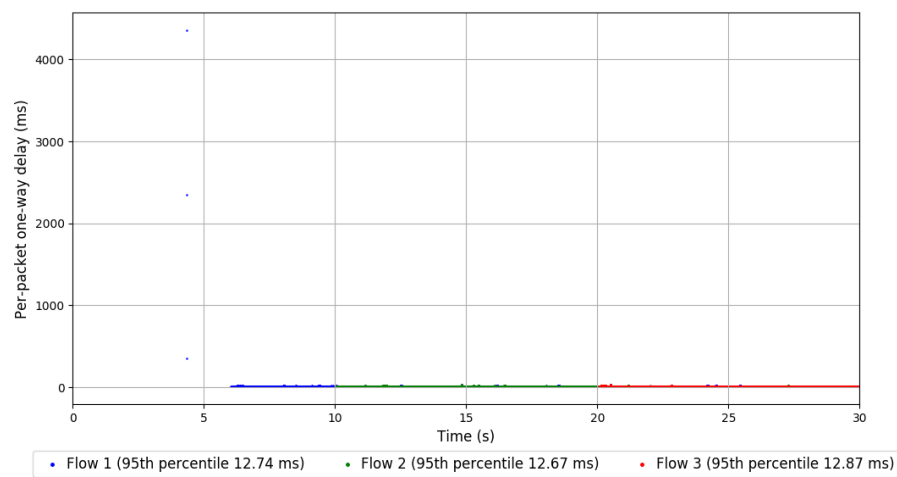
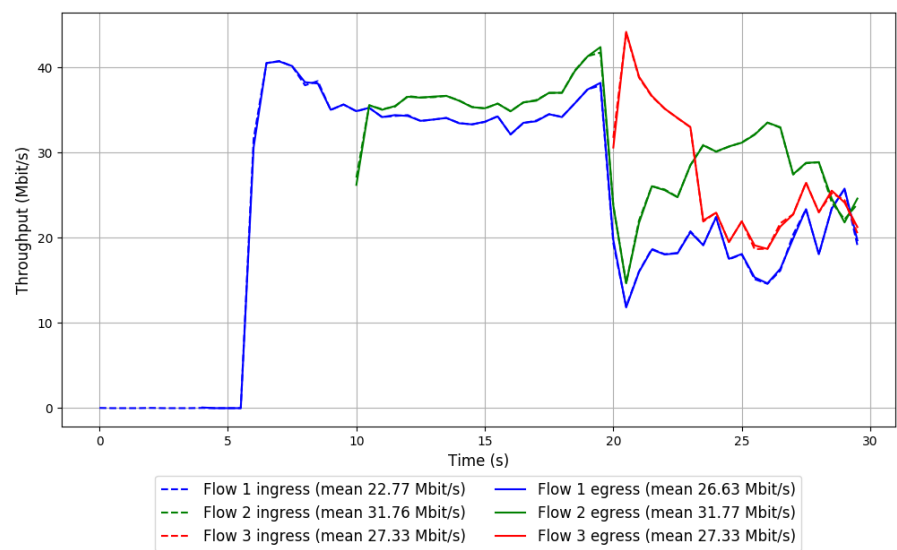
Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 12.872 ms

Loss rate: 0.00%



Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:08:17 +0000

End at: Sat, 29 Jul 2017 07:08:47 +0000

Local clock offset: 0.826 ms

Remote clock offset: -3.441 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 12.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 12.526 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 12.569 ms

Loss rate: 0.00%

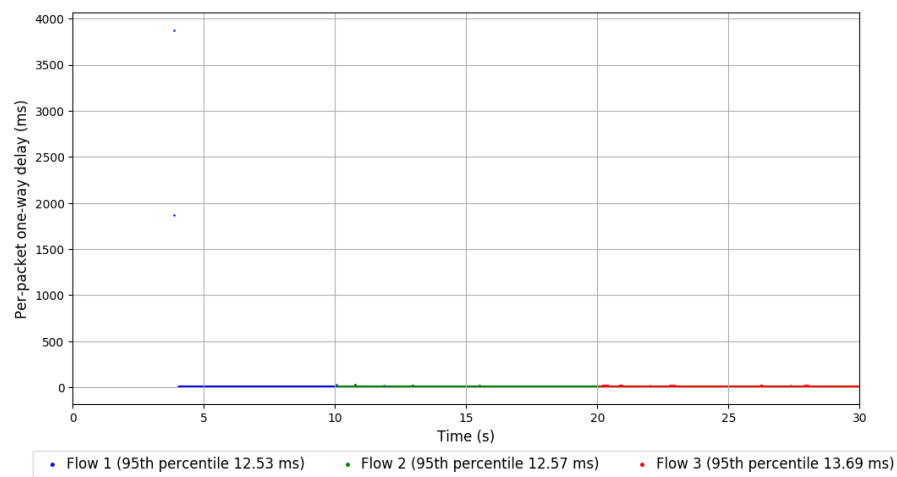
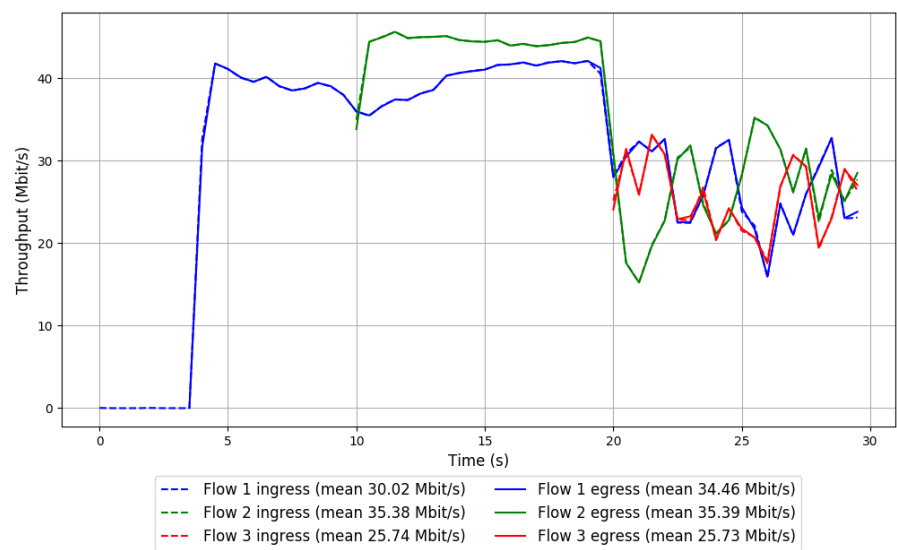
-- Flow 3:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 13.690 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 29 Jul 2017 07:27:14 +0000

End at: Sat, 29 Jul 2017 07:27:44 +0000

Local clock offset: 3.786 ms

Remote clock offset: -3.684 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.77 Mbit/s

95th percentile per-packet one-way delay: 9.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 9.904 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.48 Mbit/s

95th percentile per-packet one-way delay: 10.026 ms

Loss rate: 0.00%

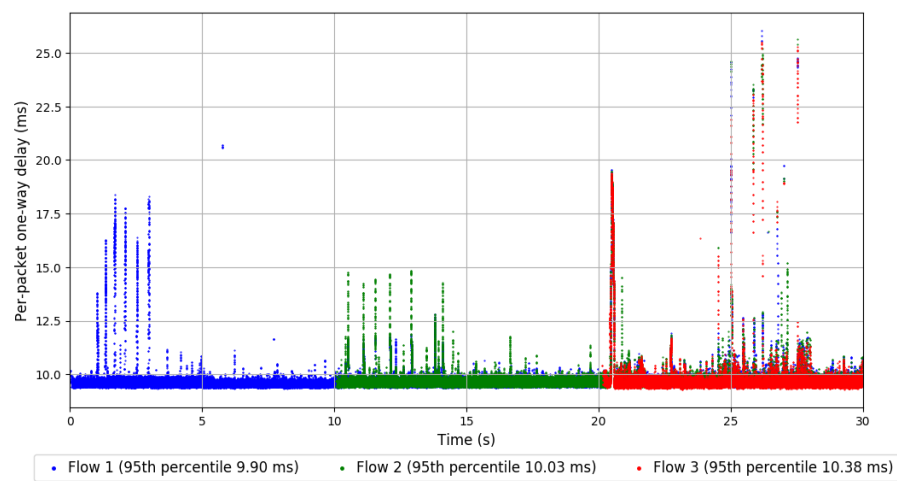
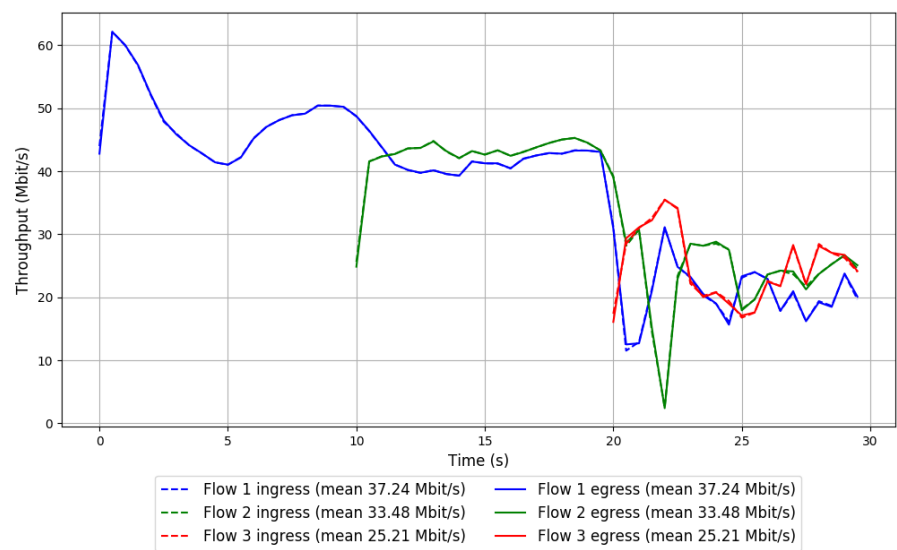
-- Flow 3:

Average throughput: 25.21 Mbit/s

95th percentile per-packet one-way delay: 10.381 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

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

End at: Sat, 29 Jul 2017 04:38:59 +0000

Local clock offset: -1.378 ms

Remote clock offset: -7.051 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 44.613 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 43.602 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 45.586 ms

Loss rate: 0.62%

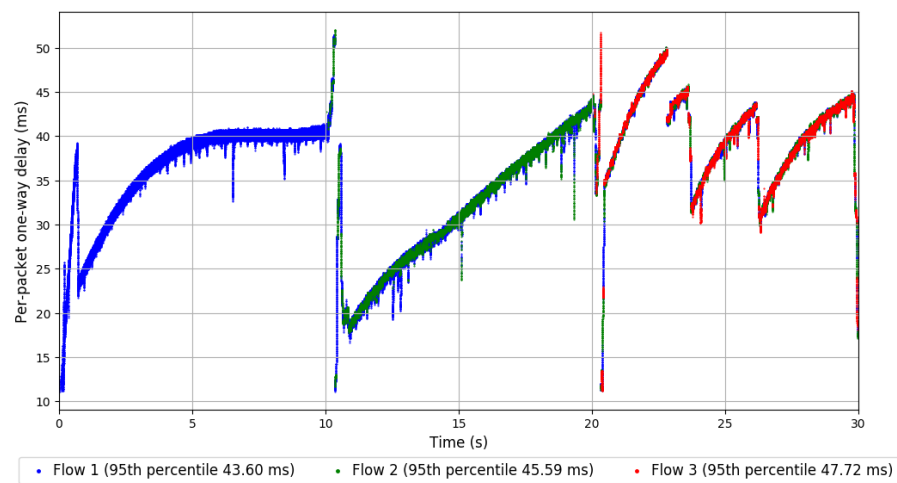
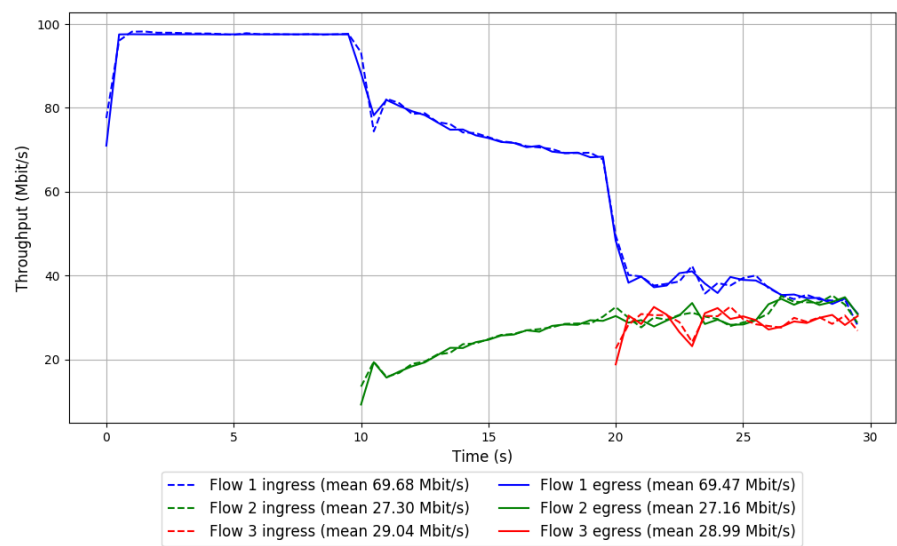
-- Flow 3:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 47.721 ms

Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:00:15 +0000

End at: Sat, 29 Jul 2017 05:00:45 +0000

Local clock offset: 1.394 ms

Remote clock offset: -5.244 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:18:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 41.006 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 40.373 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 41.406 ms

Loss rate: 0.68%

-- Flow 3:

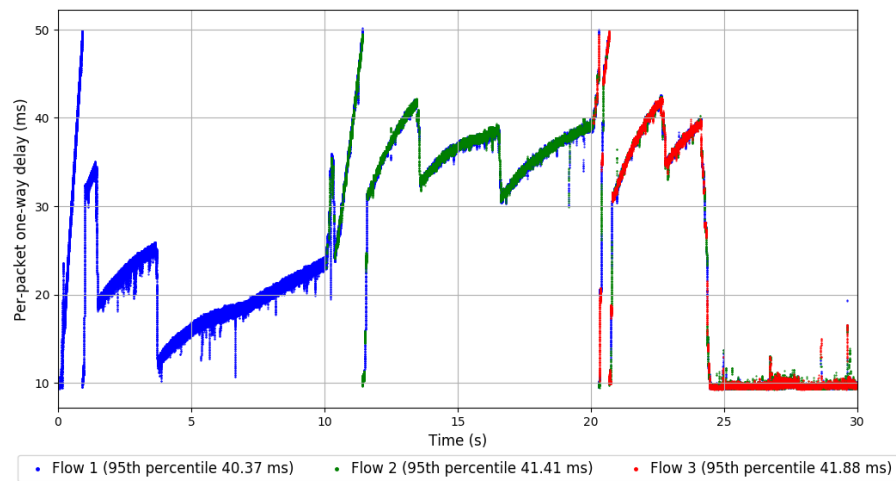
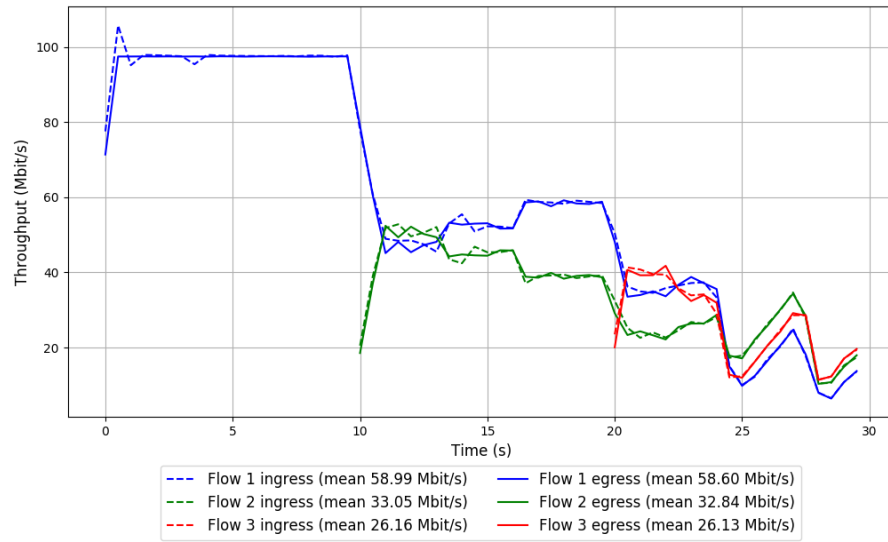
Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 41.875 ms

Loss rate: 0.40%



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



Run 3: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:20:01 +0000

End at: Sat, 29 Jul 2017 05:20:31 +0000

Local clock offset: -0.738 ms

Remote clock offset: -4.788 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 43.234 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 42.508 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 44.502 ms

Loss rate: 0.24%

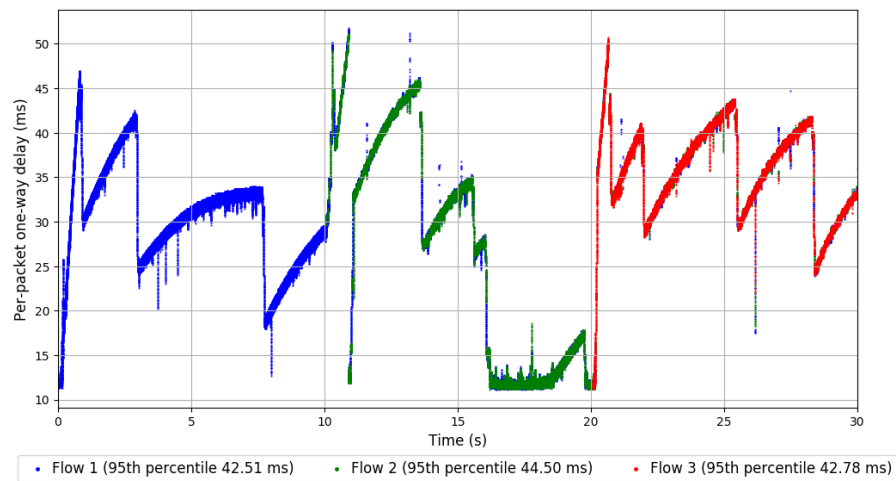
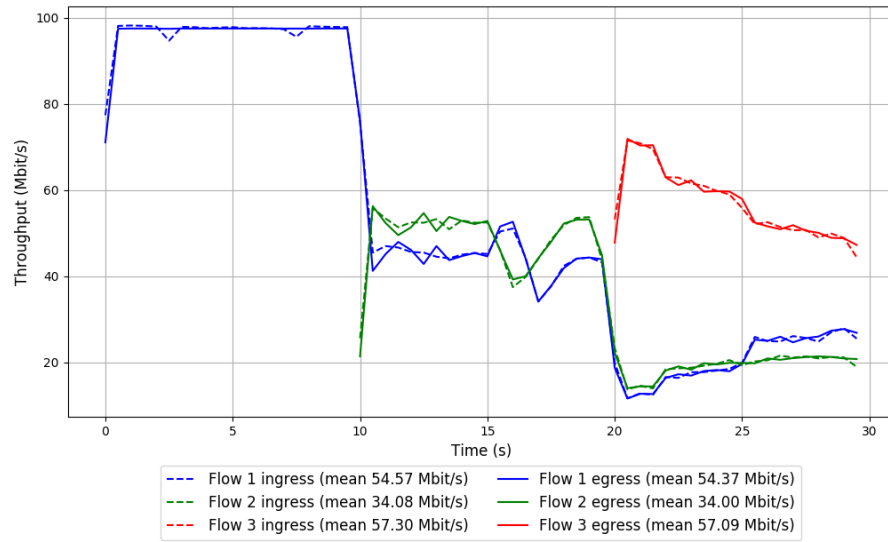
-- Flow 3:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 42.782 ms

Loss rate: 0.15%

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



Run 4: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:39:38 +0000

End at: Sat, 29 Jul 2017 05:40:08 +0000

Local clock offset: -1.036 ms

Remote clock offset: -4.311 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 47.948 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 46.485 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 38.07 Mbit/s

95th percentile per-packet one-way delay: 48.834 ms

Loss rate: 0.36%

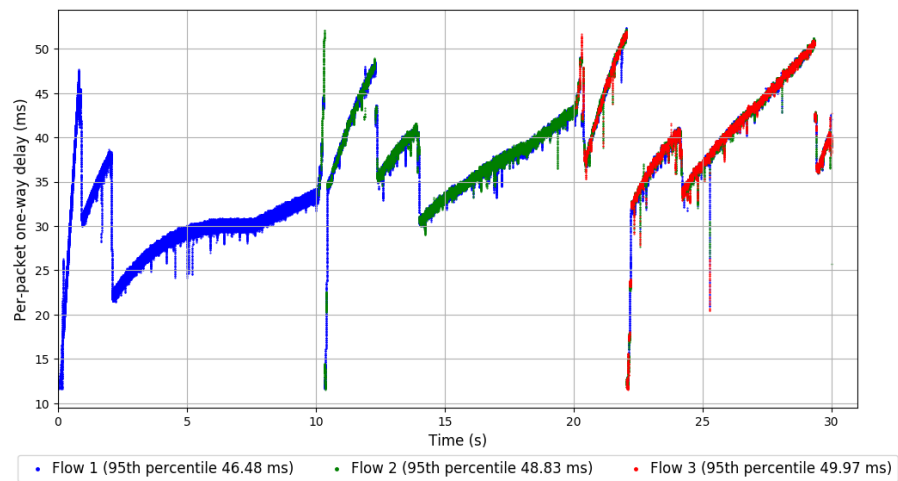
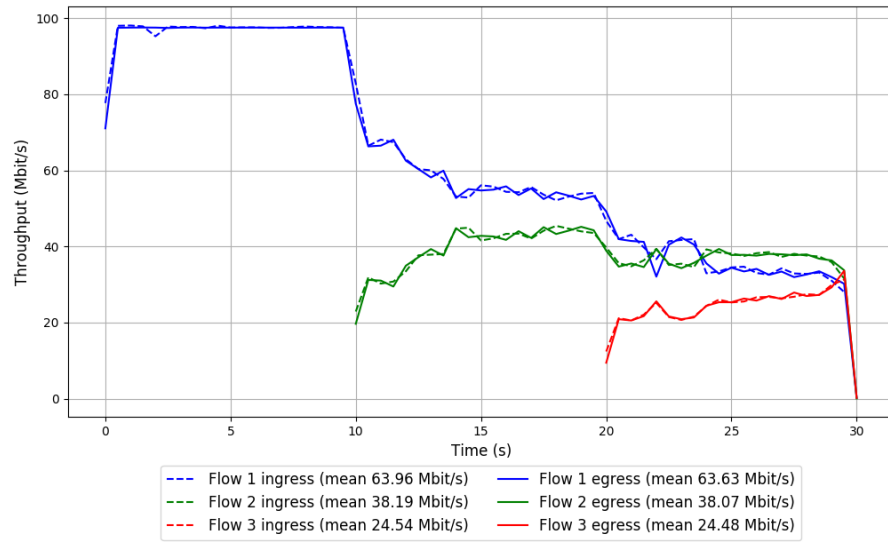
-- Flow 3:

Average throughput: 24.48 Mbit/s

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

Loss rate: 0.25%

# Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 05:58:52 +0000

End at: Sat, 29 Jul 2017 05:59:22 +0000

Local clock offset: 0.841 ms

Remote clock offset: -3.588 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 45.739 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 52.35 Mbit/s

95th percentile per-packet one-way delay: 45.417 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 40.16 Mbit/s

95th percentile per-packet one-way delay: 46.442 ms

Loss rate: 0.78%

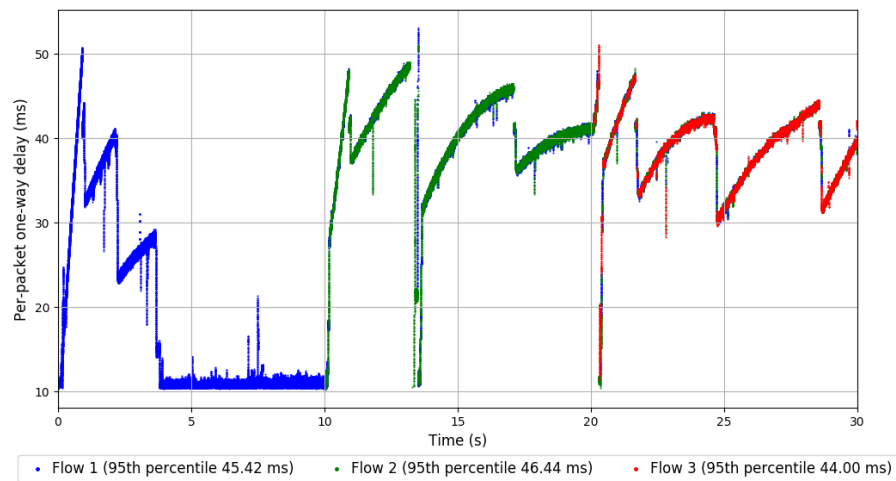
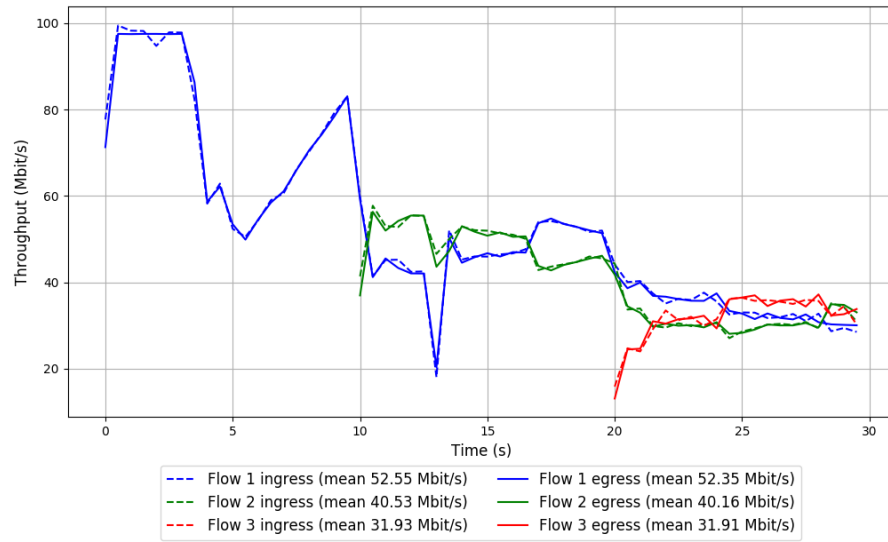
-- Flow 3:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 44.003 ms

Loss rate: 0.09%

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



Run 6: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:18:30 +0000

End at: Sat, 29 Jul 2017 06:19:00 +0000

Local clock offset: 3.224 ms

Remote clock offset: -2.327 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 46.467 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 68.19 Mbit/s

95th percentile per-packet one-way delay: 46.434 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 29.05 Mbit/s

95th percentile per-packet one-way delay: 46.269 ms

Loss rate: 0.36%

-- Flow 3:

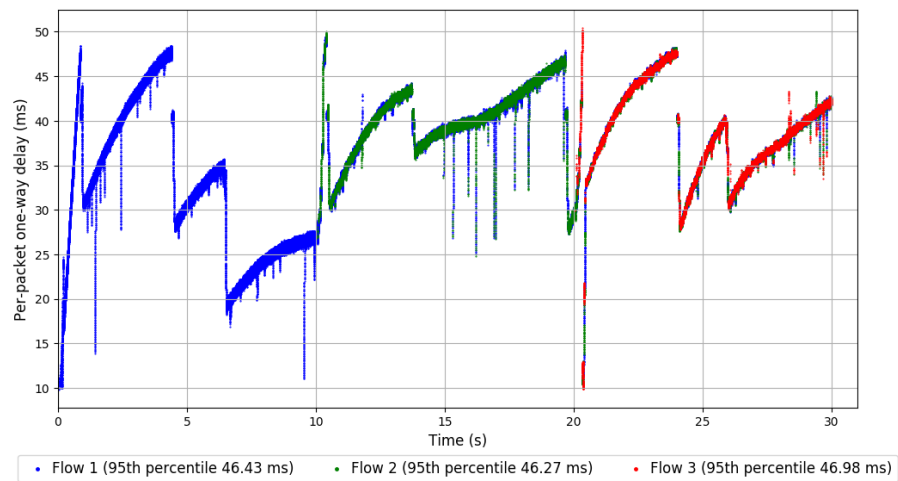
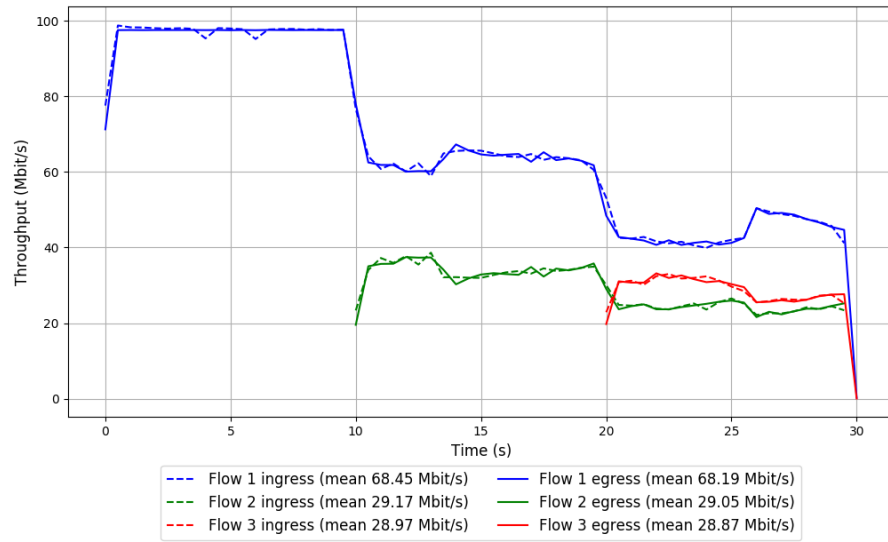
Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 46.984 ms

Loss rate: 0.21%



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



Run 7: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 06:37:45 +0000

End at: Sat, 29 Jul 2017 06:38:15 +0000

Local clock offset: 4.322 ms

Remote clock offset: -3.195 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 43.744 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 68.36 Mbit/s

95th percentile per-packet one-way delay: 43.366 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 33.71 Mbit/s

95th percentile per-packet one-way delay: 44.256 ms

Loss rate: 0.28%

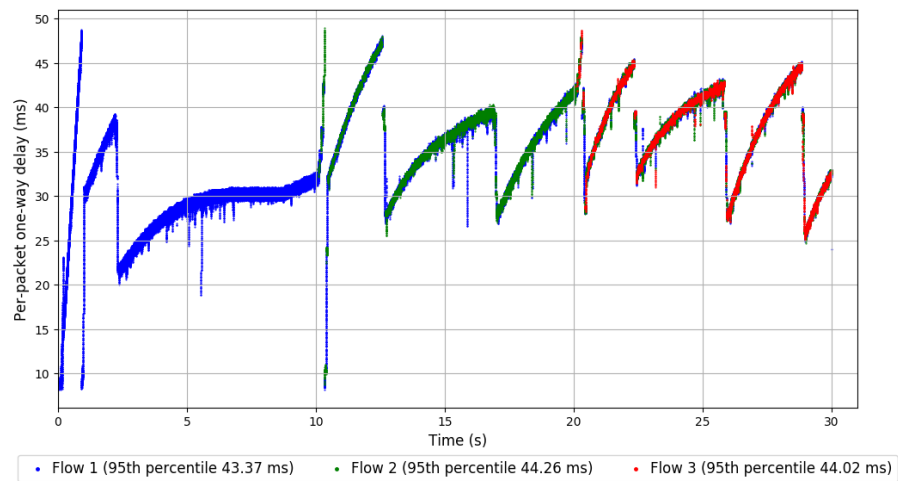
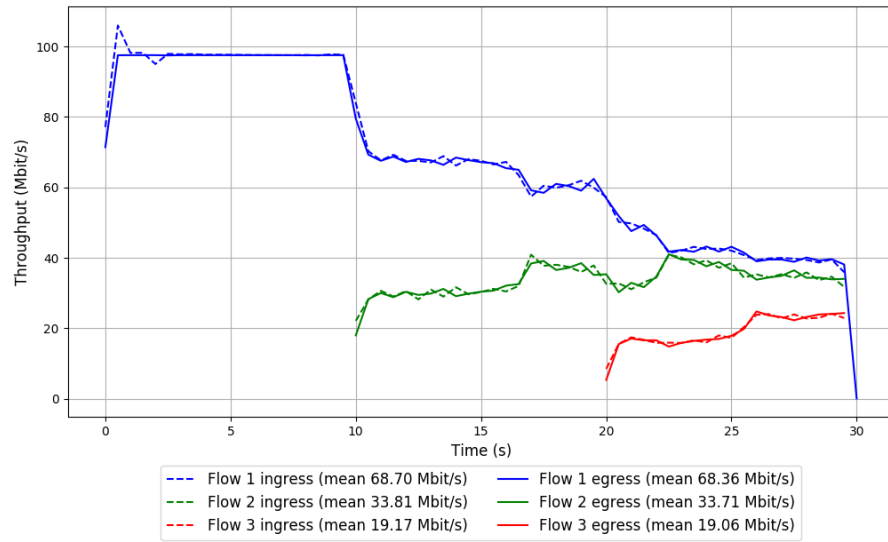
-- Flow 3:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 44.022 ms

Loss rate: 0.64%

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



Run 8: Statistics of TCP Cubic

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

End at: Sat, 29 Jul 2017 06:57:36 +0000

Local clock offset: 0.937 ms

Remote clock offset: -3.273 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 47.886 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 67.04 Mbit/s

95th percentile per-packet one-way delay: 47.422 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 48.652 ms

Loss rate: 0.57%

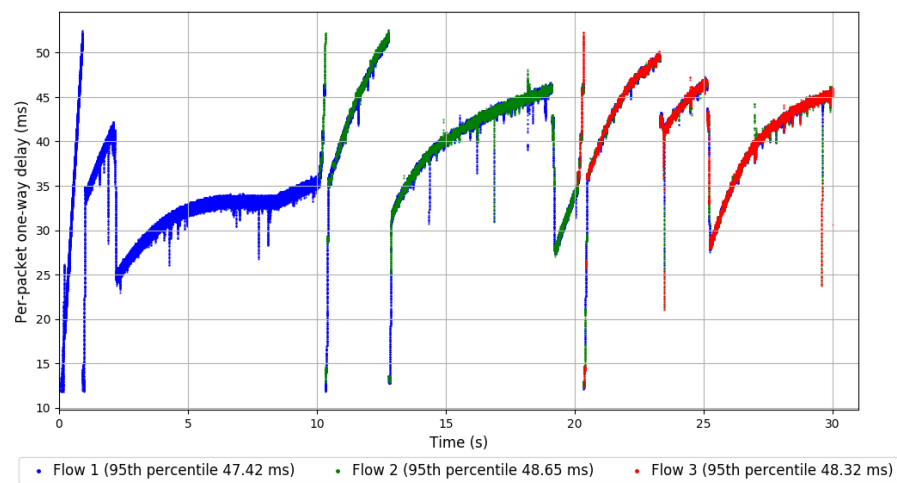
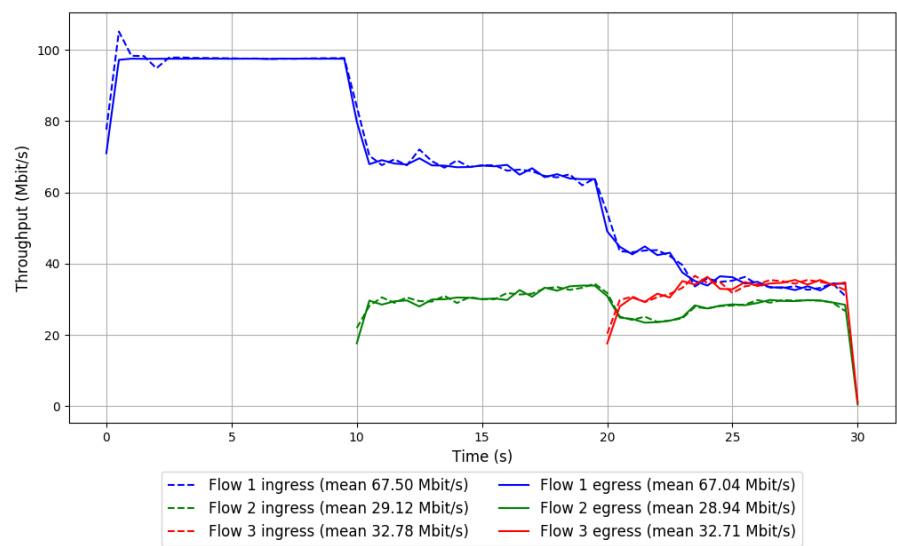
-- Flow 3:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 48.320 ms

Loss rate: 0.26%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:16:26 +0000

End at: Sat, 29 Jul 2017 07:16:56 +0000

Local clock offset: 1.479 ms

Remote clock offset: -3.444 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 46.644 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 67.93 Mbit/s

95th percentile per-packet one-way delay: 46.879 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 45.413 ms

Loss rate: 0.58%

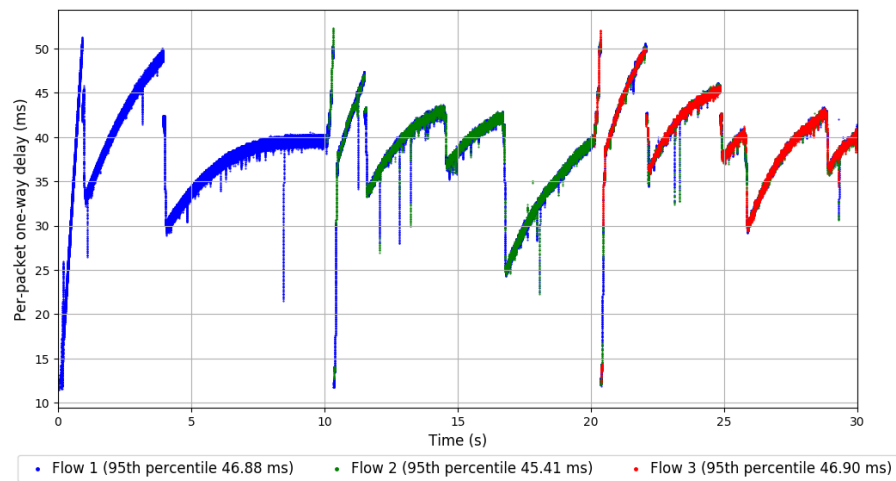
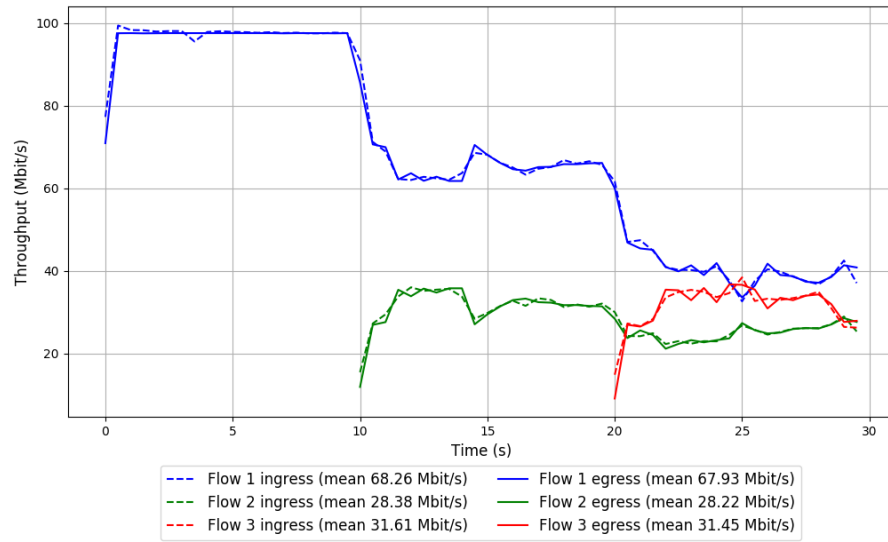
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 46.902 ms

Loss rate: 0.50%

# Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 29 Jul 2017 07:34:59 +0000

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

Local clock offset: 2.929 ms

Remote clock offset: -2.808 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 48.819 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 48.412 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 30.18 Mbit/s

95th percentile per-packet one-way delay: 48.626 ms

Loss rate: 0.45%

-- Flow 3:

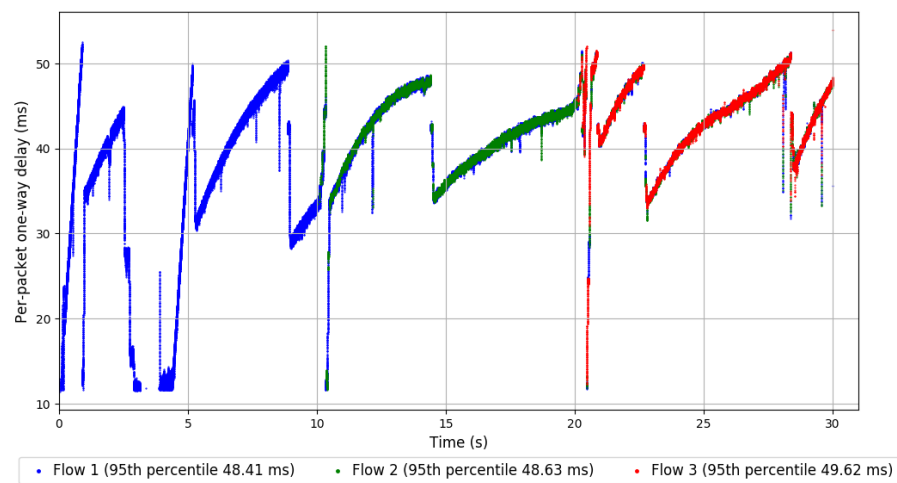
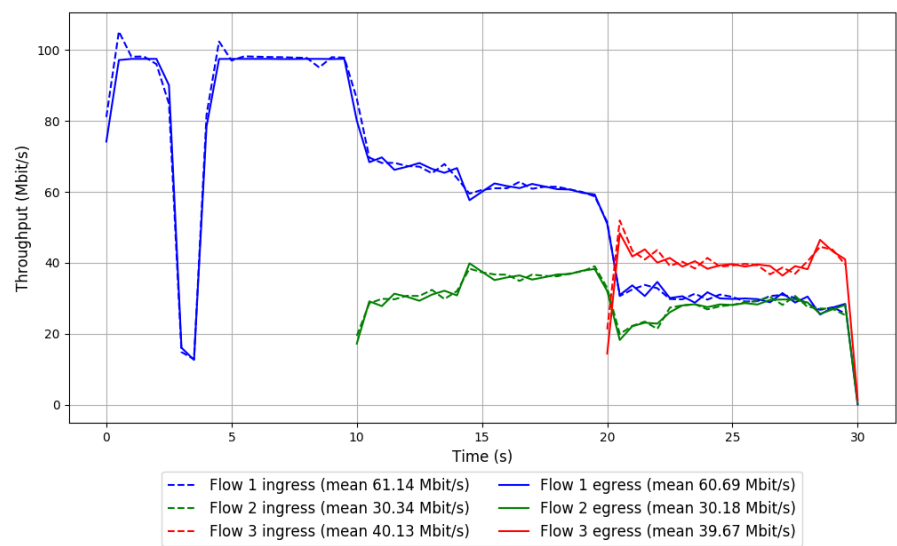
Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 49.621 ms

Loss rate: 1.06%



Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:33:53 +0000

End at: Sat, 29 Jul 2017 04:34:23 +0000

Local clock offset: -3.472 ms

Remote clock offset: -6.051 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.25 Mbit/s

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

Loss rate: 1.22%

-- Flow 1:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 22.506 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 23.303 ms

Loss rate: 1.36%

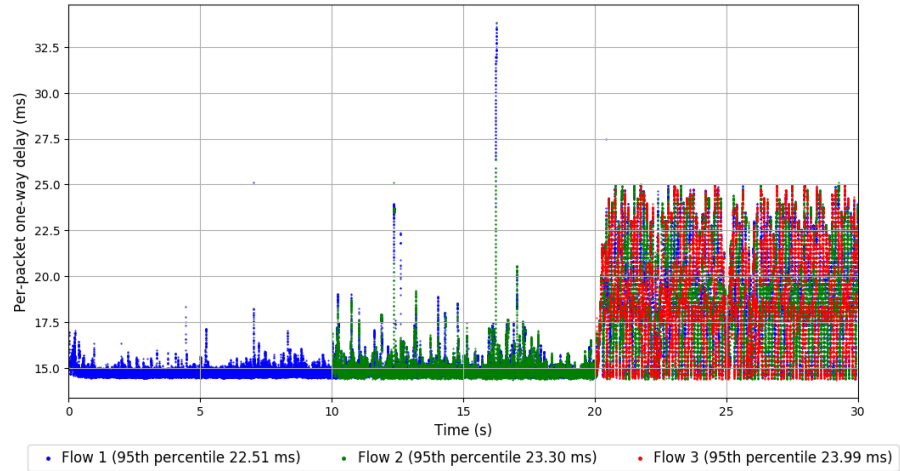
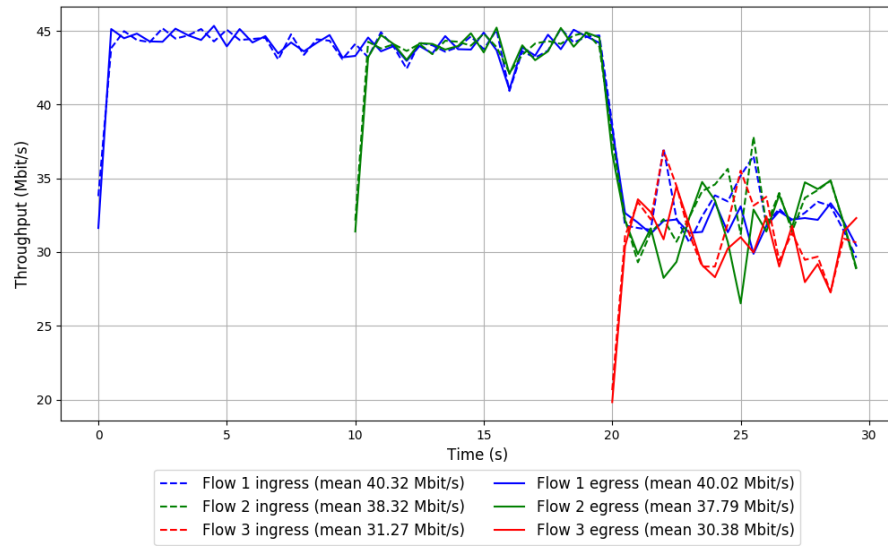
-- Flow 3:

Average throughput: 30.38 Mbit/s

95th percentile per-packet one-way delay: 23.987 ms

Loss rate: 2.81%

# Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 04:55:49 +0000

End at: Sat, 29 Jul 2017 04:56:19 +0000

Local clock offset: 0.278 ms

Remote clock offset: -5.965 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:19:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 18.832 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 18.108 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 18.841 ms

Loss rate: 0.00%

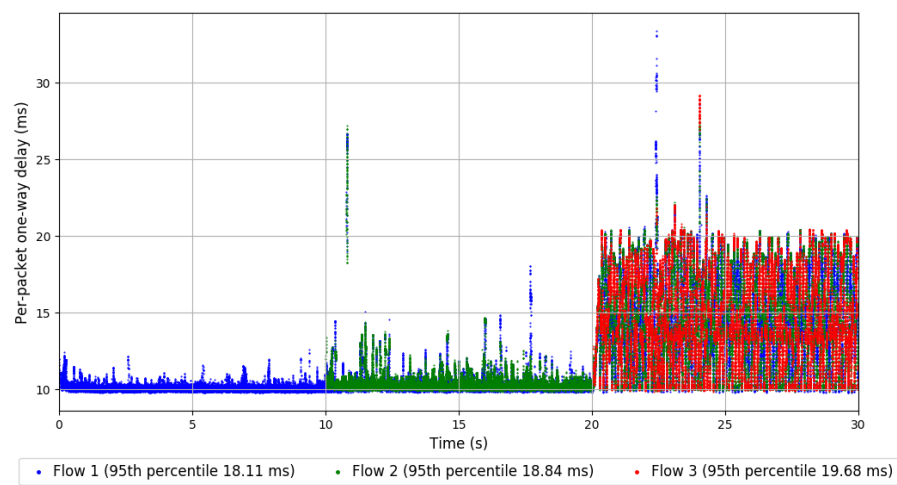
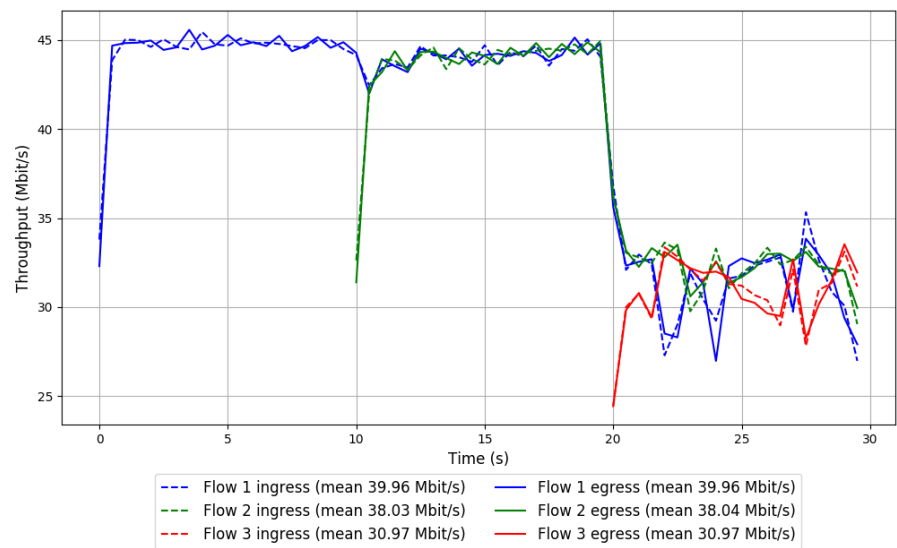
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 19.680 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:15:46 +0000

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

Local clock offset: -0.554 ms

Remote clock offset: -4.206 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 20.485 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 19.540 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 20.264 ms

Loss rate: 0.62%

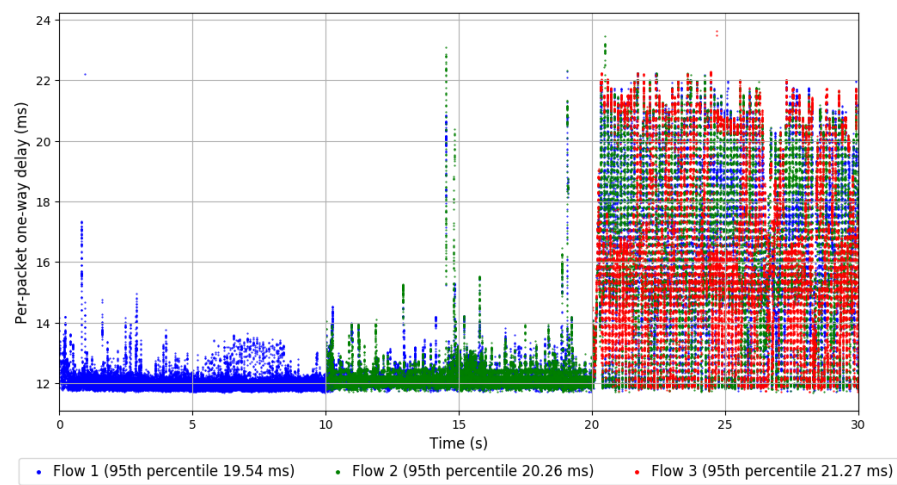
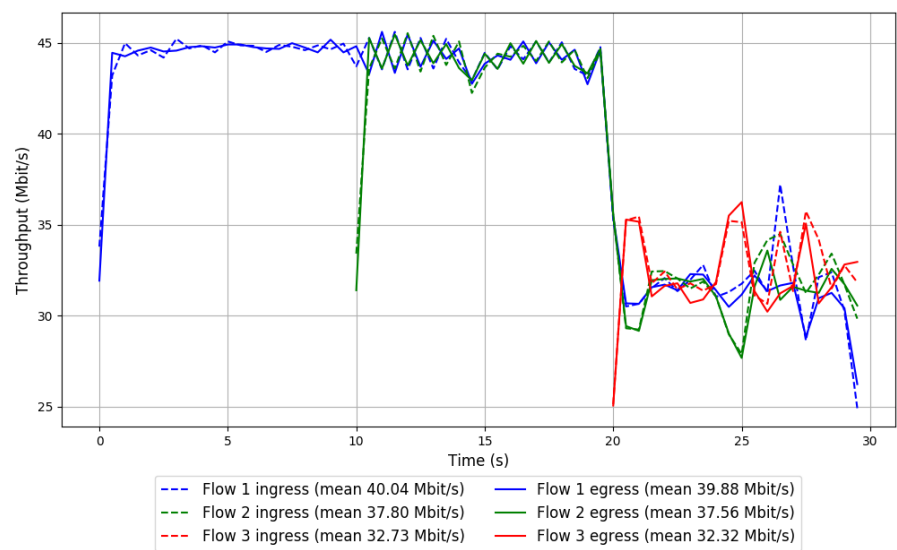
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 21.275 ms

Loss rate: 1.19%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:35:30 +0000

End at: Sat, 29 Jul 2017 05:36:00 +0000

Local clock offset: 0.161 ms

Remote clock offset: -3.954 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 19.301 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 18.348 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 0.00%

-- Flow 3:

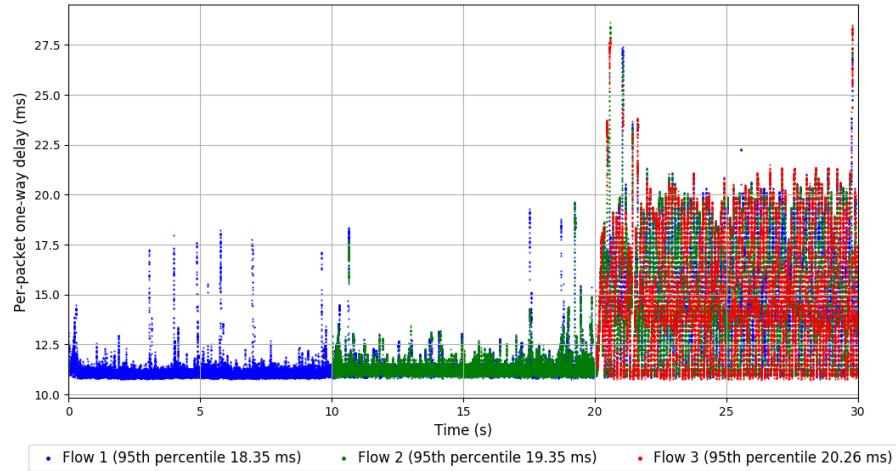
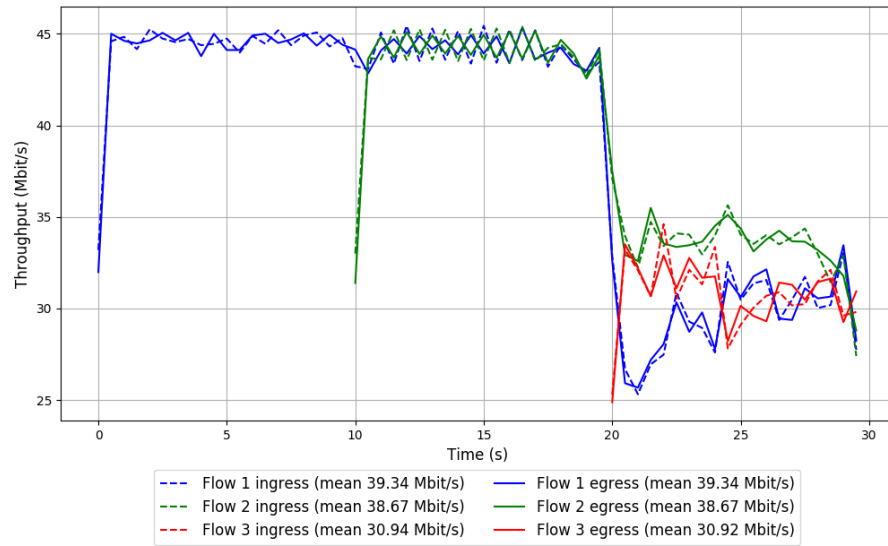
Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 20.259 ms

Loss rate: 0.00%



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



Run 5: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 05:54:41 +0000

End at: Sat, 29 Jul 2017 05:55:11 +0000

Local clock offset: -0.336 ms

Remote clock offset: -3.795 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 20.026 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.03 Mbit/s

95th percentile per-packet one-way delay: 19.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.42 Mbit/s

95th percentile per-packet one-way delay: 20.011 ms

Loss rate: 0.00%

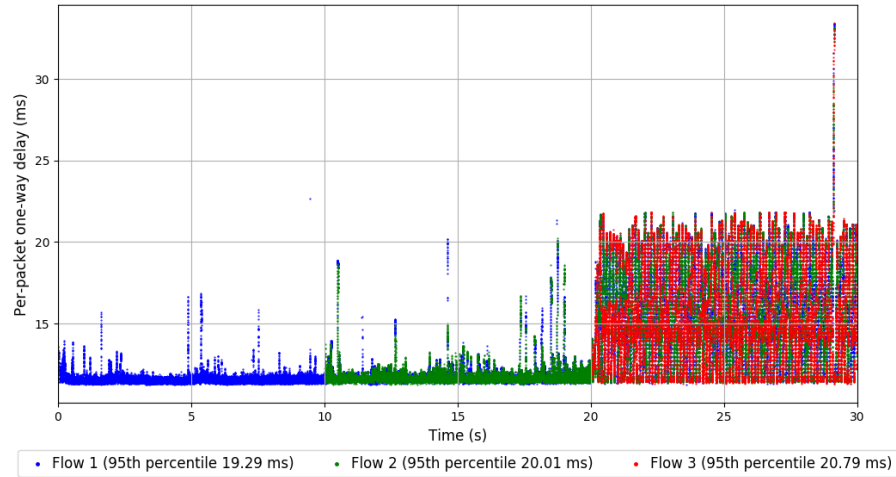
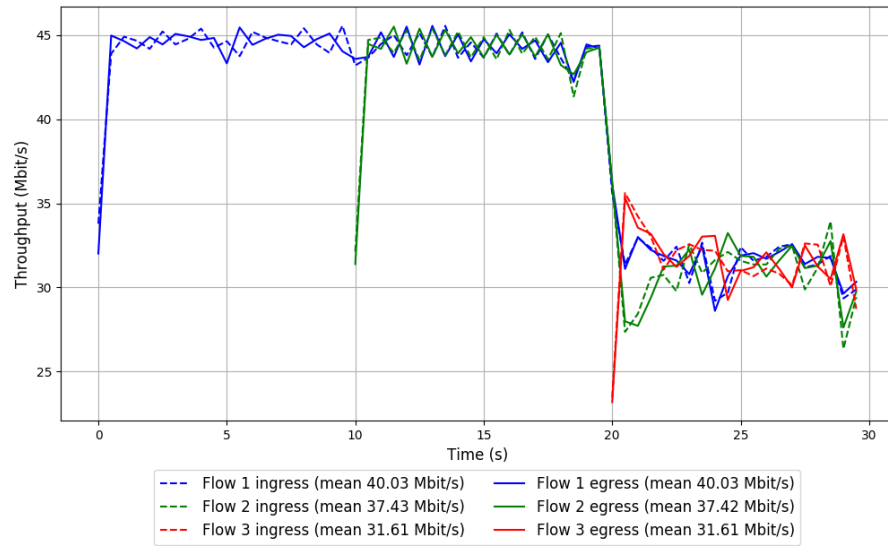
-- Flow 3:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 20.788 ms

Loss rate: 0.00%

## Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

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

End at: Sat, 29 Jul 2017 06:14:59 +0000

Local clock offset: 3.024 ms

Remote clock offset: -3.0 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 18.434 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 17.627 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 18.408 ms

Loss rate: 0.00%

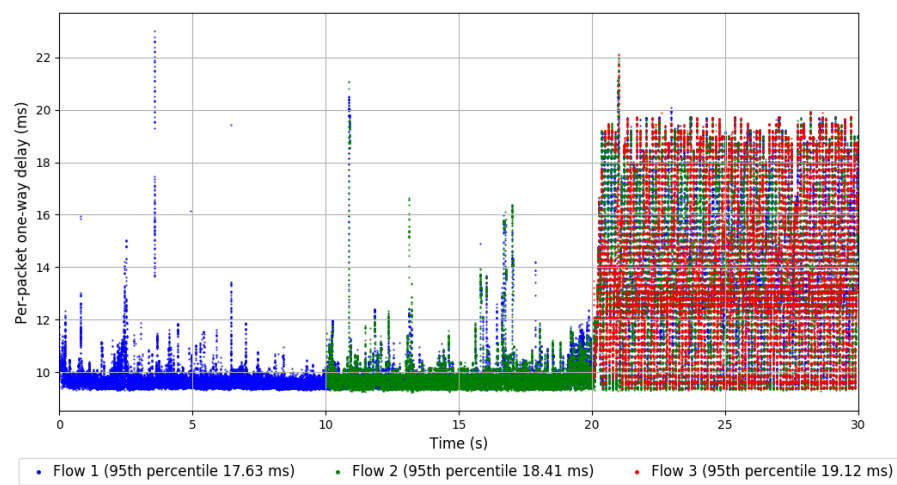
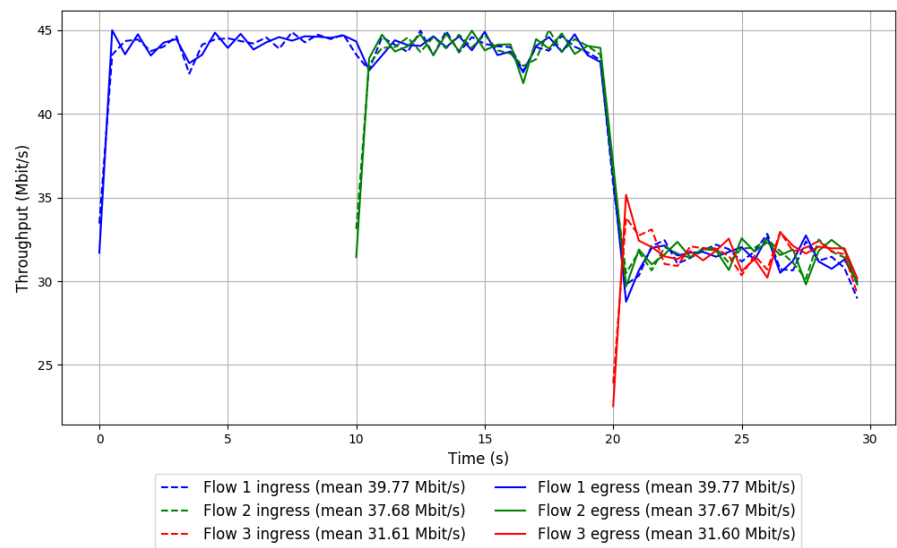
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 19.125 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:33:43 +0000

End at: Sat, 29 Jul 2017 06:34:13 +0000

Local clock offset: 0.317 ms

Remote clock offset: -2.637 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.08 Mbit/s

95th percentile per-packet one-way delay: 21.582 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 20.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 21.603 ms

Loss rate: 0.00%

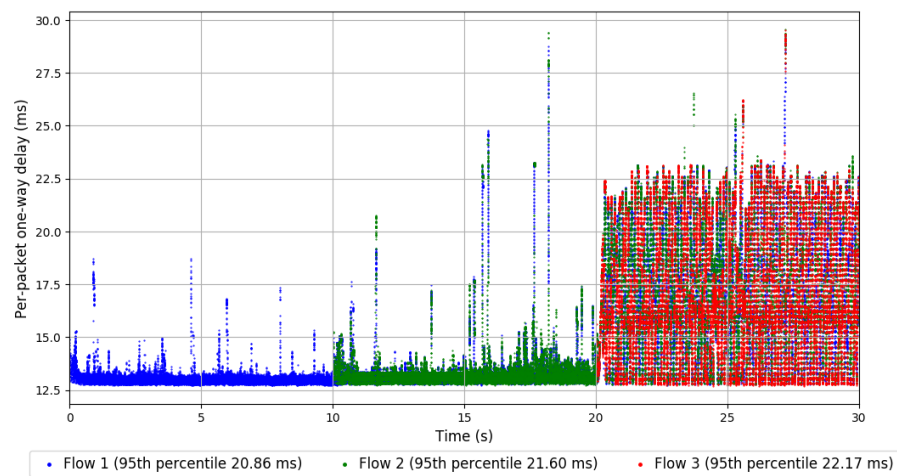
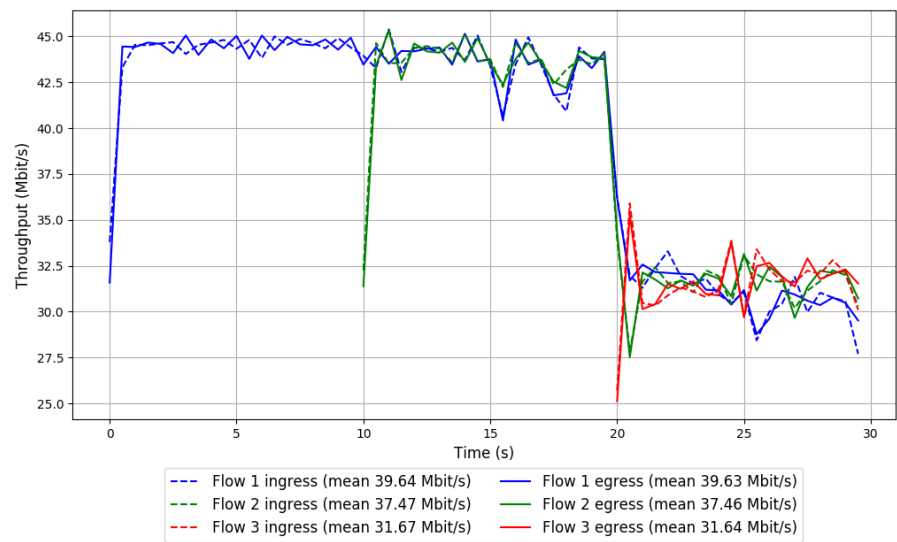
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 22.167 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 06:53:00 +0000

End at: Sat, 29 Jul 2017 06:53:30 +0000

Local clock offset: -2.094 ms

Remote clock offset: -2.867 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.23 Mbit/s

95th percentile per-packet one-way delay: 23.109 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 22.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 23.058 ms

Loss rate: 0.01%

-- Flow 3:

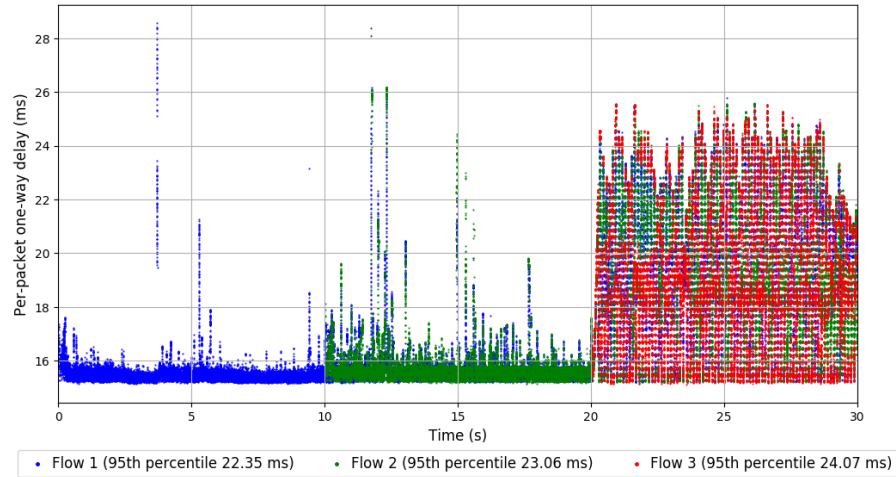
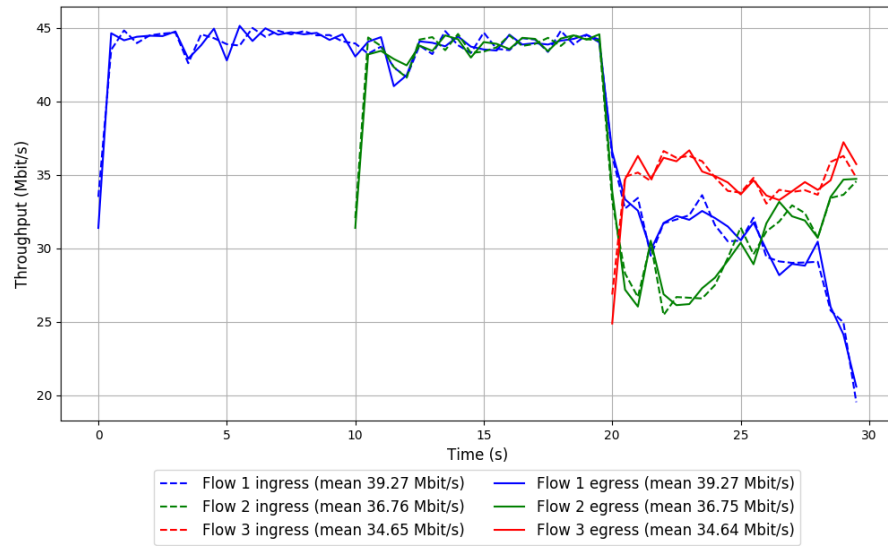
Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 24.068 ms

Loss rate: 0.01%



## Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:12:15 +0000

End at: Sat, 29 Jul 2017 07:12:45 +0000

Local clock offset: 0.764 ms

Remote clock offset: -3.127 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 21.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 20.538 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.42 Mbit/s

95th percentile per-packet one-way delay: 21.336 ms

Loss rate: 0.00%

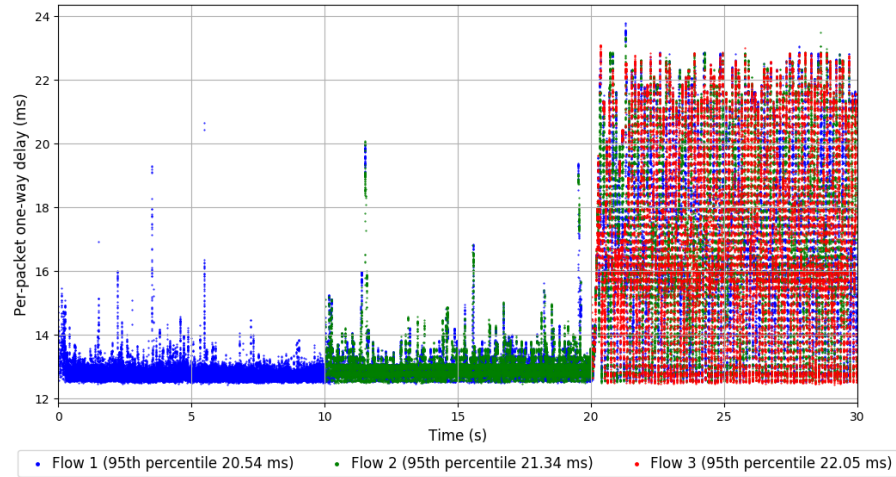
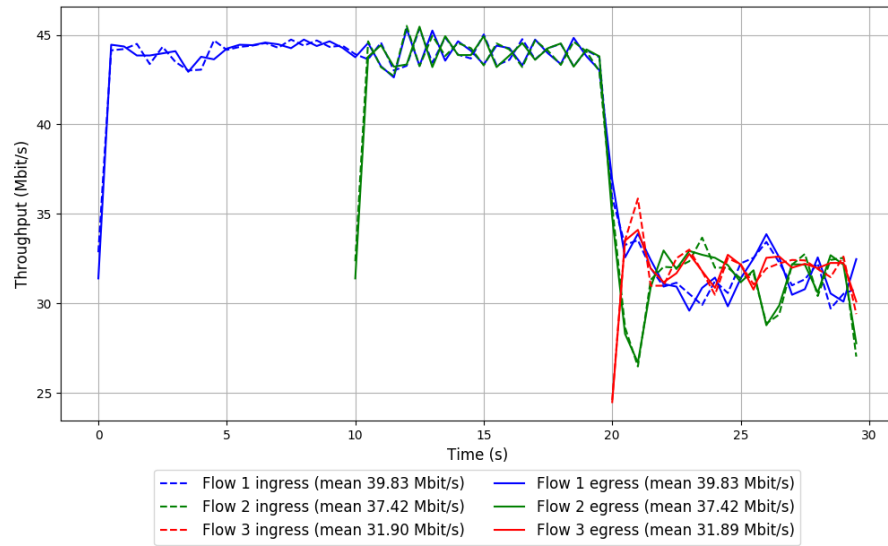
-- Flow 3:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 22.052 ms

Loss rate: 0.00%

### Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 29 Jul 2017 07:31:01 +0000

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

Local clock offset: 5.46 ms

Remote clock offset: -3.256 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 17.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 16.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.36 Mbit/s

95th percentile per-packet one-way delay: 17.567 ms

Loss rate: 0.00%

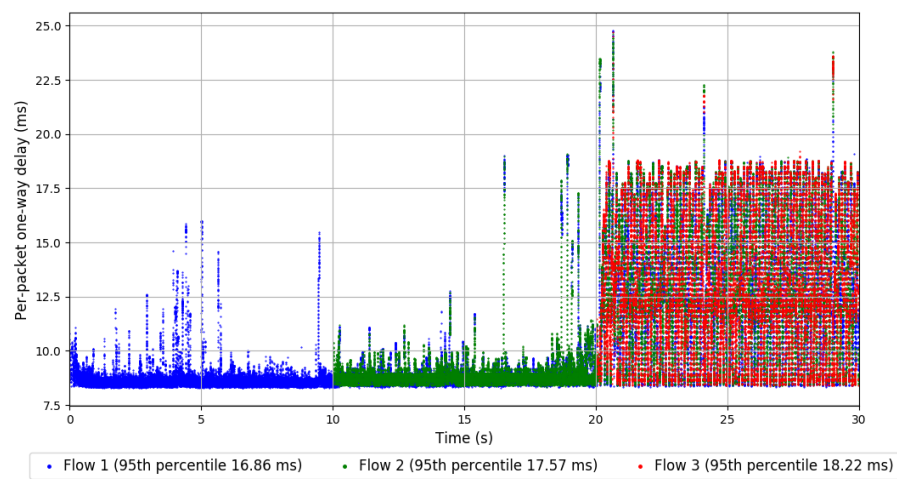
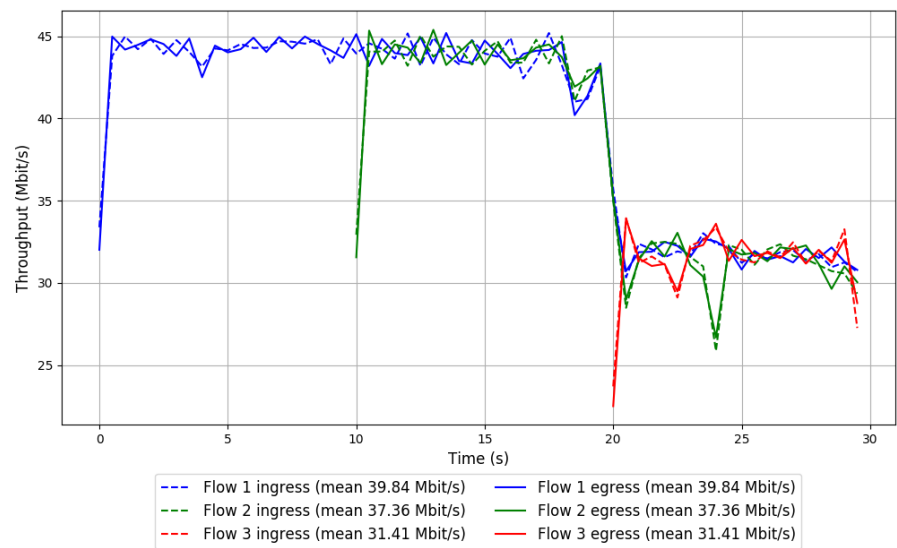
-- Flow 3:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 18.220 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:23:52 +0000

End at: Sat, 29 Jul 2017 04:24:22 +0000

Local clock offset: 1.858 ms

Remote clock offset: -6.739 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 43.470 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 41.522 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 45.707 ms

Loss rate: 0.21%

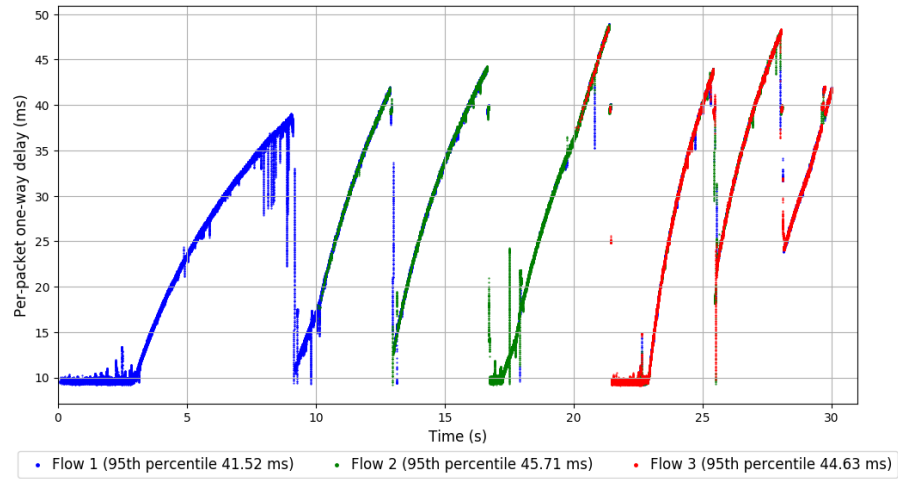
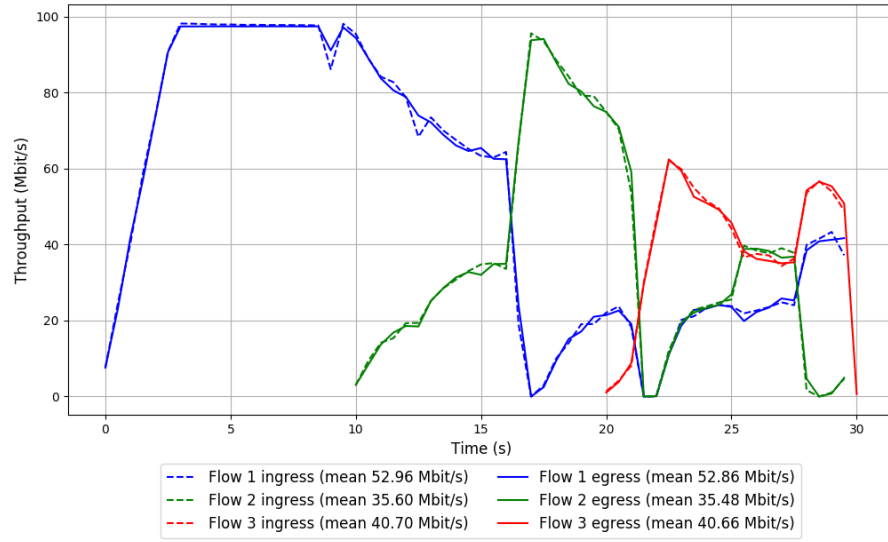
-- Flow 3:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 44.635 ms

Loss rate: 0.06%

# Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 04:45:03 +0000

End at: Sat, 29 Jul 2017 04:45:33 +0000

Local clock offset: 2.46 ms

Remote clock offset: -7.266 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 40.081 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.70 Mbit/s

95th percentile per-packet one-way delay: 38.688 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 22.55 Mbit/s

95th percentile per-packet one-way delay: 42.329 ms

Loss rate: 0.31%

-- Flow 3:

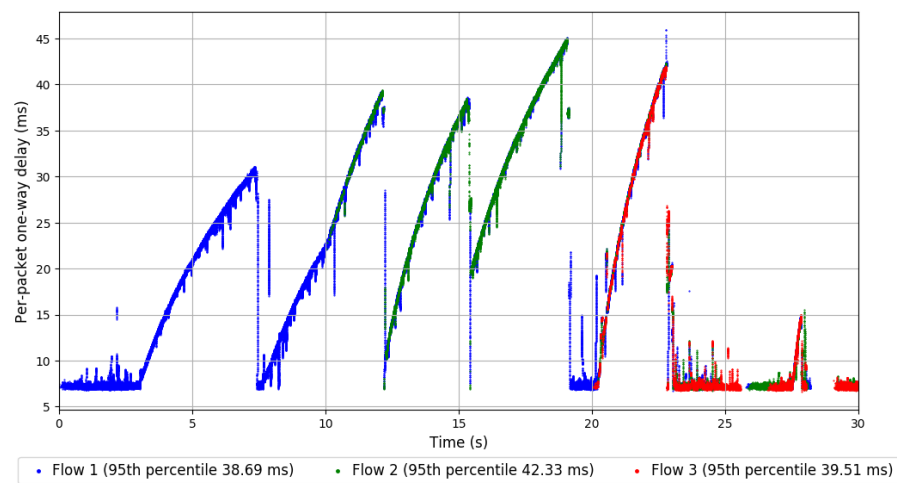
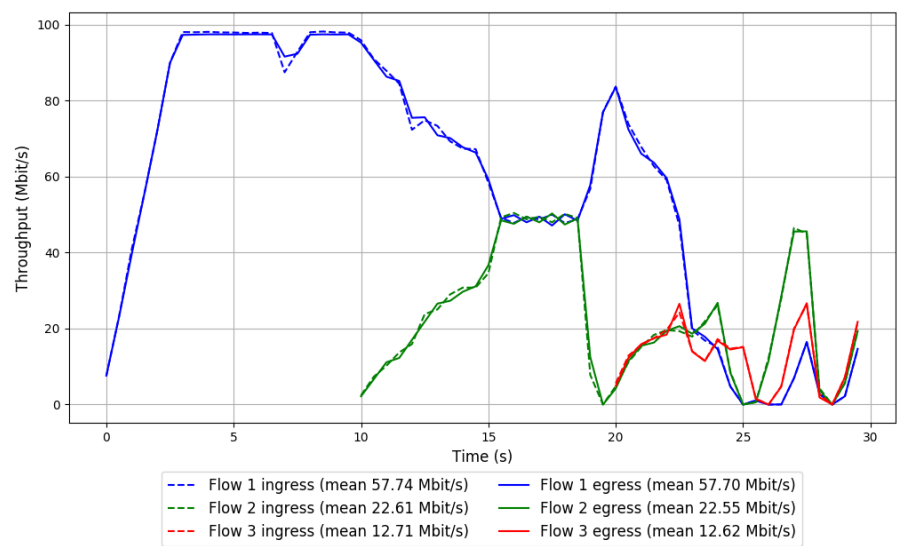
Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 39.513 ms

Loss rate: 0.71%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:06:27 +0000

End at: Sat, 29 Jul 2017 05:06:57 +0000

Local clock offset: -0.874 ms

Remote clock offset: -4.761 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:20:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.46 Mbit/s

95th percentile per-packet one-way delay: 46.078 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 45.804 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 29.01 Mbit/s

95th percentile per-packet one-way delay: 46.182 ms

Loss rate: 0.20%

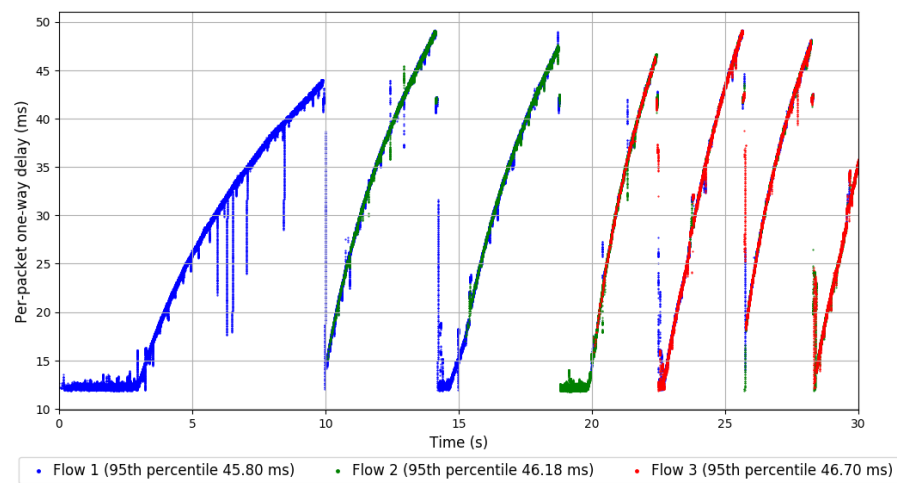
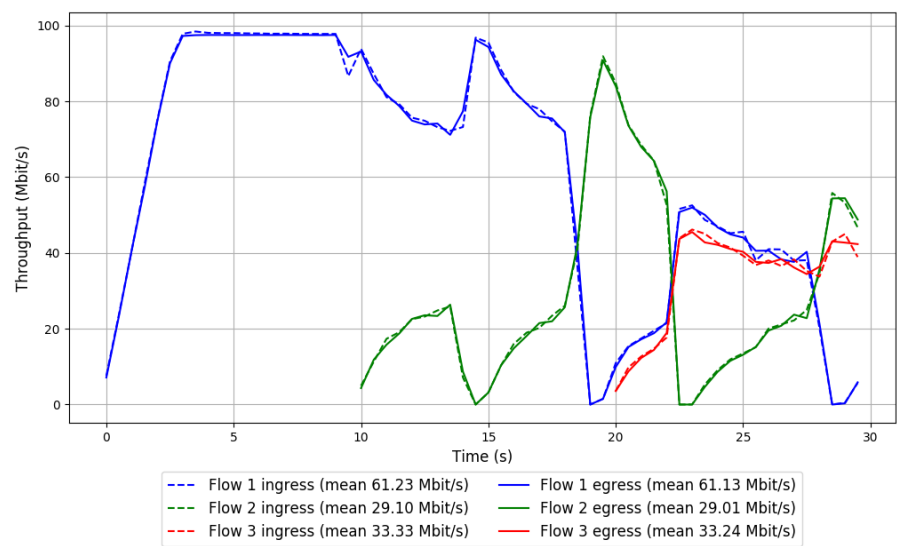
-- Flow 3:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 46.695 ms

Loss rate: 0.10%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:26:03 +0000

End at: Sat, 29 Jul 2017 05:26:33 +0000

Local clock offset: -0.575 ms

Remote clock offset: -3.822 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 46.194 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 45.947 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 46.212 ms

Loss rate: 0.10%

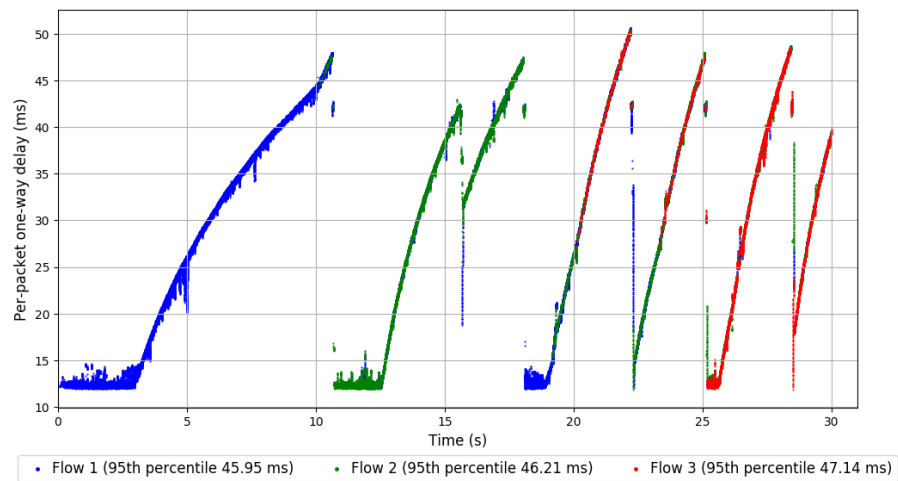
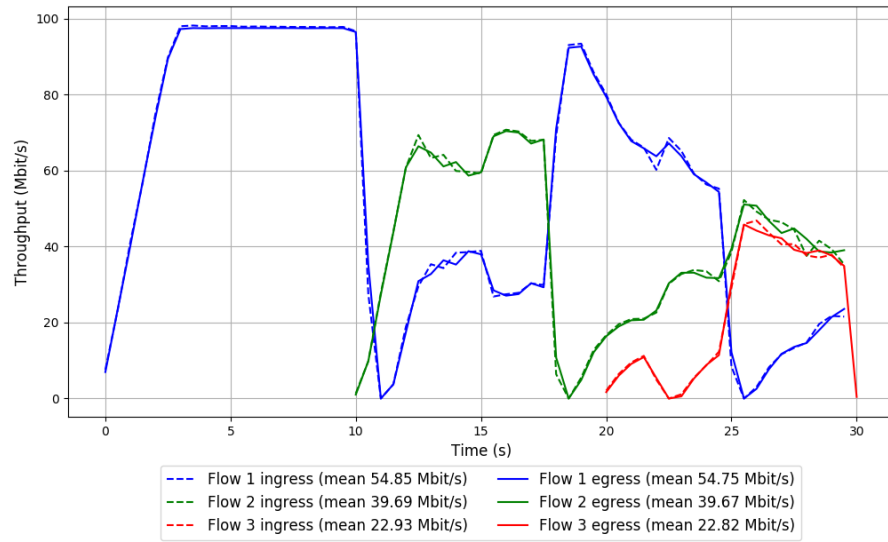
-- Flow 3:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 47.143 ms

Loss rate: 0.36%

# Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 05:45:57 +0000

End at: Sat, 29 Jul 2017 05:46:27 +0000

Local clock offset: 0.797 ms

Remote clock offset: -3.632 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 42.743 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 63.50 Mbit/s

95th percentile per-packet one-way delay: 41.083 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 43.769 ms

Loss rate: 0.18%

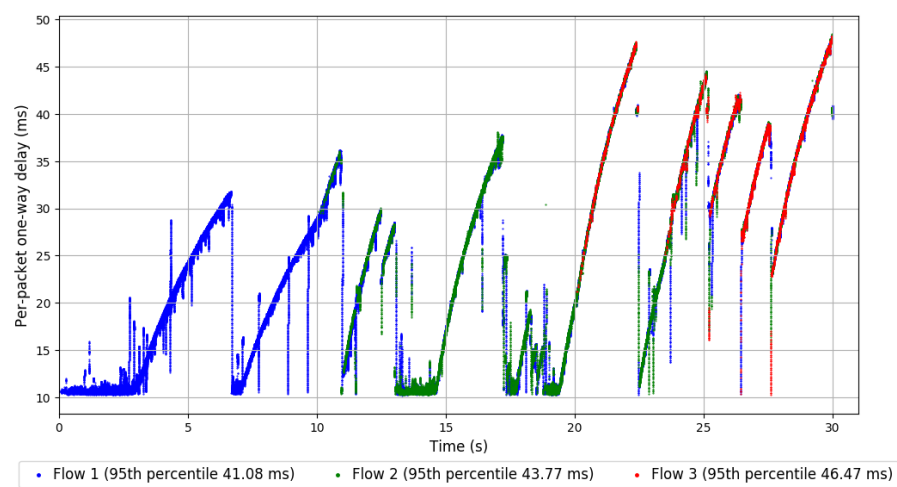
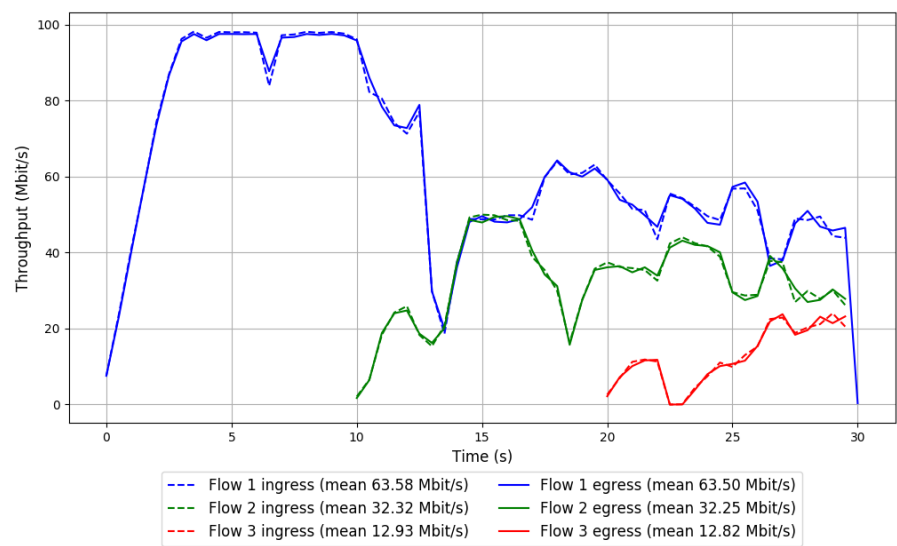
-- Flow 3:

Average throughput: 12.82 Mbit/s

95th percentile per-packet one-way delay: 46.471 ms

Loss rate: 0.60%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:04:51 +0000

End at: Sat, 29 Jul 2017 06:05:21 +0000

Local clock offset: 3.347 ms

Remote clock offset: -3.538 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 40.734 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 69.36 Mbit/s

95th percentile per-packet one-way delay: 40.257 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 41.743 ms

Loss rate: 0.17%

-- Flow 3:

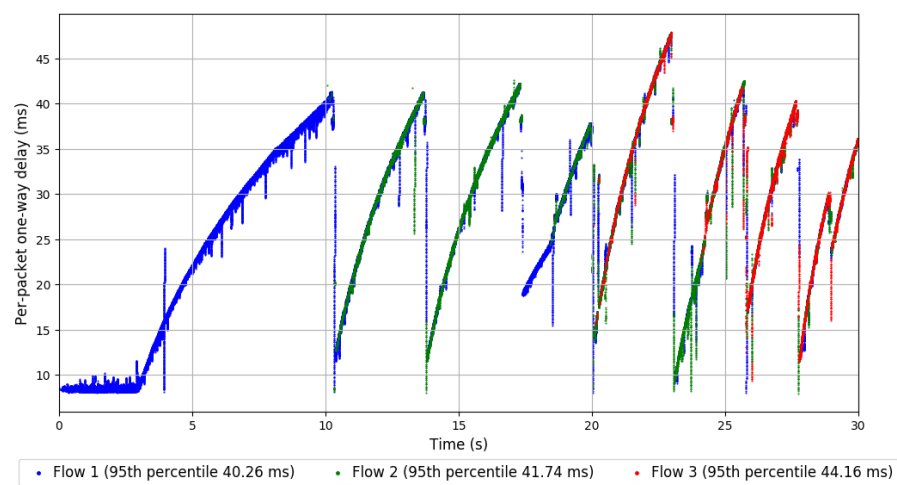
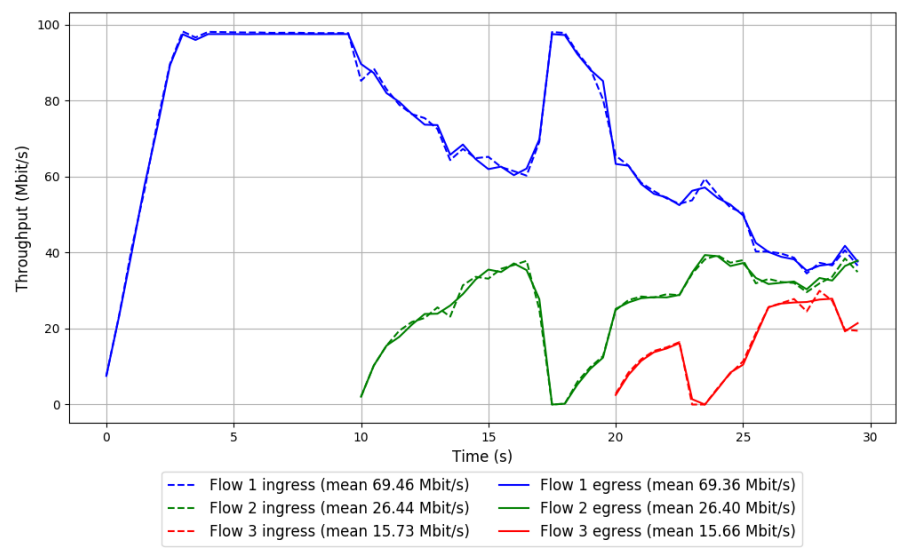
Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 44.156 ms

Loss rate: 0.38%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

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

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

Local clock offset: 2.828 ms

Remote clock offset: -1.617 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 47.624 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 46.302 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 48.263 ms

Loss rate: 0.13%

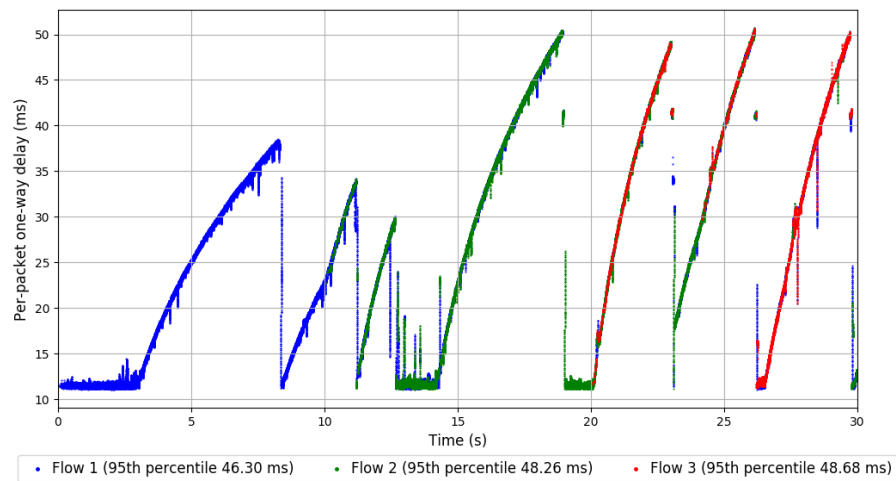
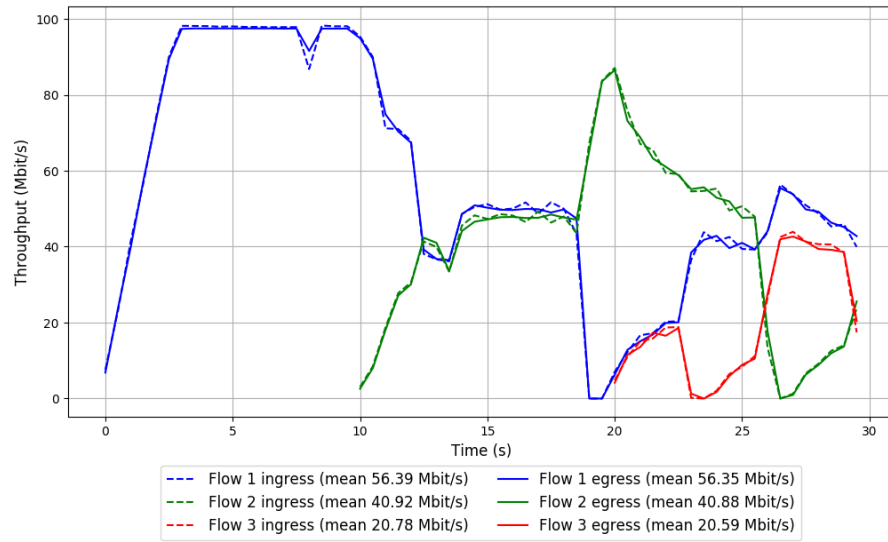
-- Flow 3:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 48.684 ms

Loss rate: 0.64%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 06:43:48 +0000

End at: Sat, 29 Jul 2017 06:44:18 +0000

Local clock offset: 1.463 ms

Remote clock offset: -3.798 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 45.148 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 44.232 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.93 Mbit/s

95th percentile per-packet one-way delay: 45.778 ms

Loss rate: 0.07%

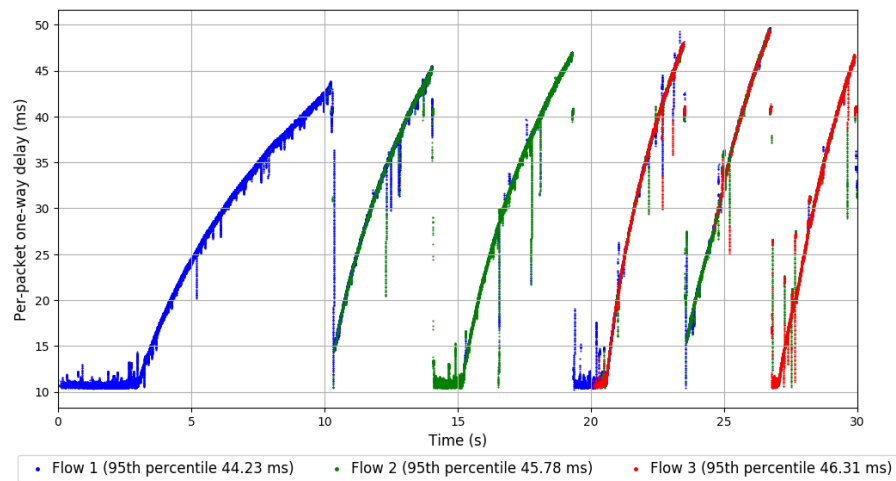
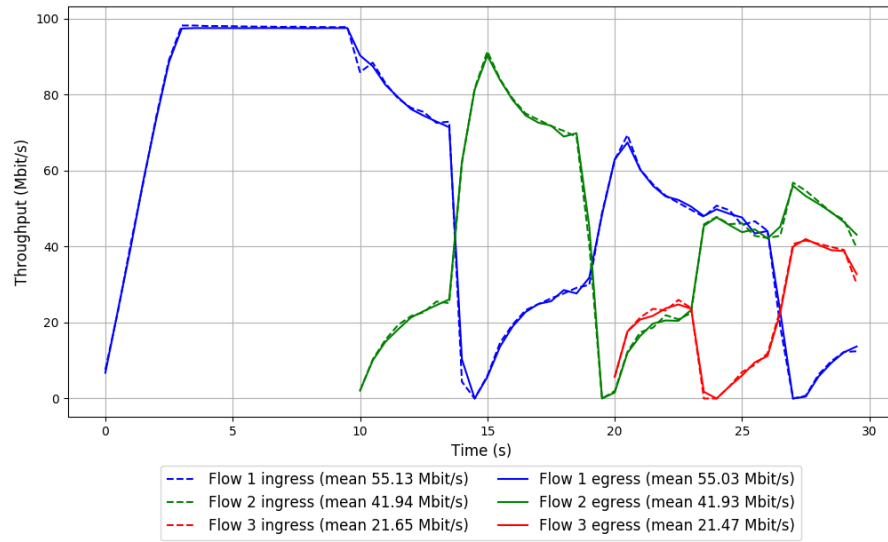
-- Flow 3:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 46.309 ms

Loss rate: 0.54%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:03:10 +0000

End at: Sat, 29 Jul 2017 07:03:40 +0000

Local clock offset: 2.093 ms

Remote clock offset: -3.061 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 47.326 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 47.445 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 47.681 ms

Loss rate: 0.20%

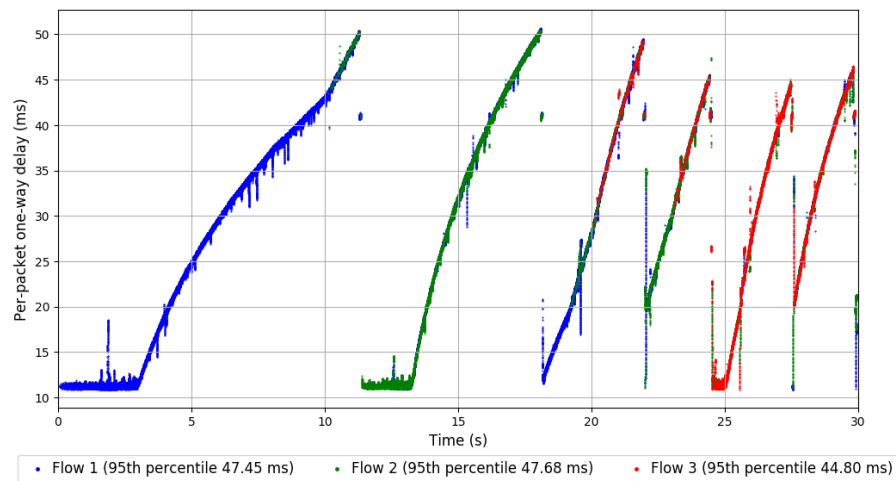
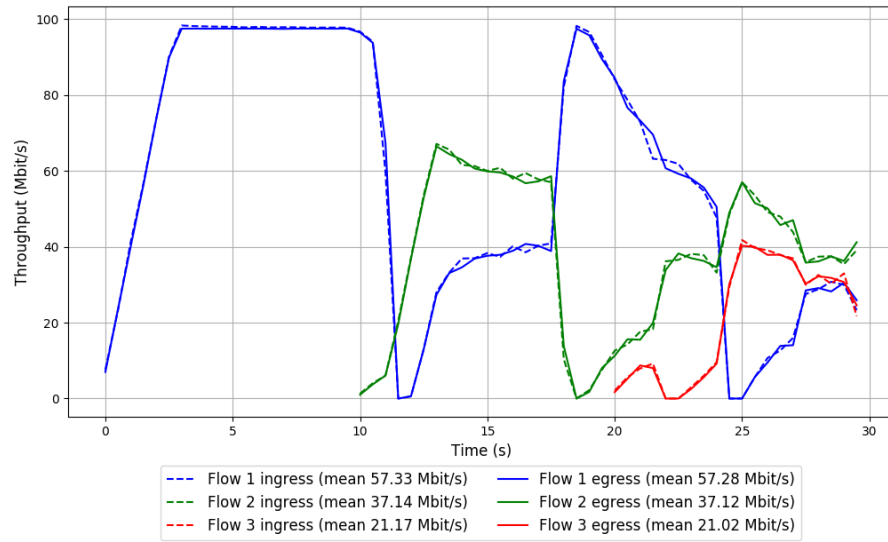
-- Flow 3:

Average throughput: 21.02 Mbit/s

95th percentile per-packet one-way delay: 44.802 ms

Loss rate: 0.60%

# Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 29 Jul 2017 07:22:21 +0000

End at: Sat, 29 Jul 2017 07:22:51 +0000

Local clock offset: 2.932 ms

Remote clock offset: -3.118 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 43.056 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 45.648 ms

Loss rate: 0.06%

-- Flow 3:

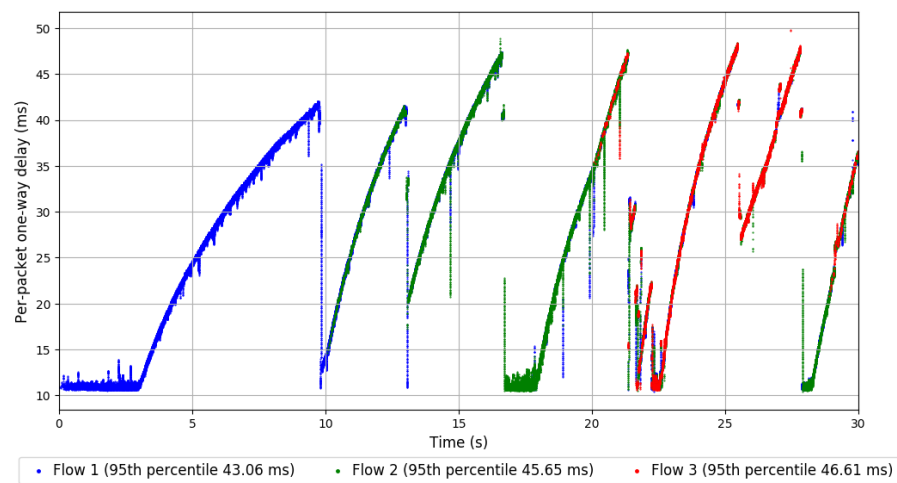
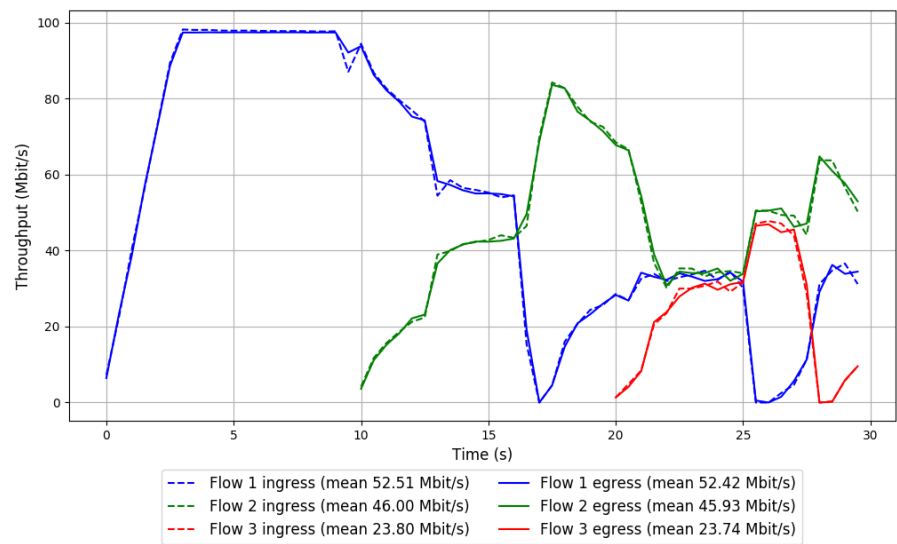
Average throughput: 23.74 Mbit/s

95th percentile per-packet one-way delay: 46.611 ms

Loss rate: 0.21%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

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

End at: Sat, 29 Jul 2017 04:28:46 +0000

Local clock offset: -1.428 ms

Remote clock offset: -6.597 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.64 Mbit/s

95th percentile per-packet one-way delay: 33.022 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 29.759 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 63.46 Mbit/s

95th percentile per-packet one-way delay: 32.721 ms

Loss rate: 1.49%

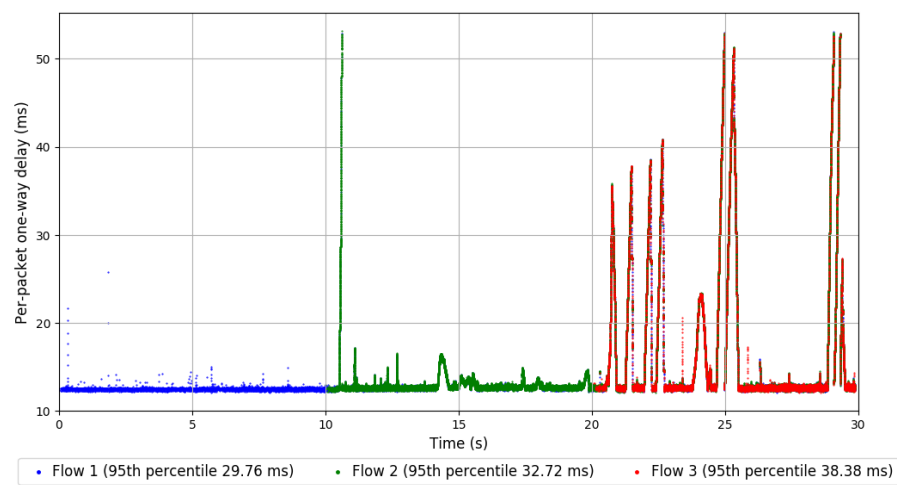
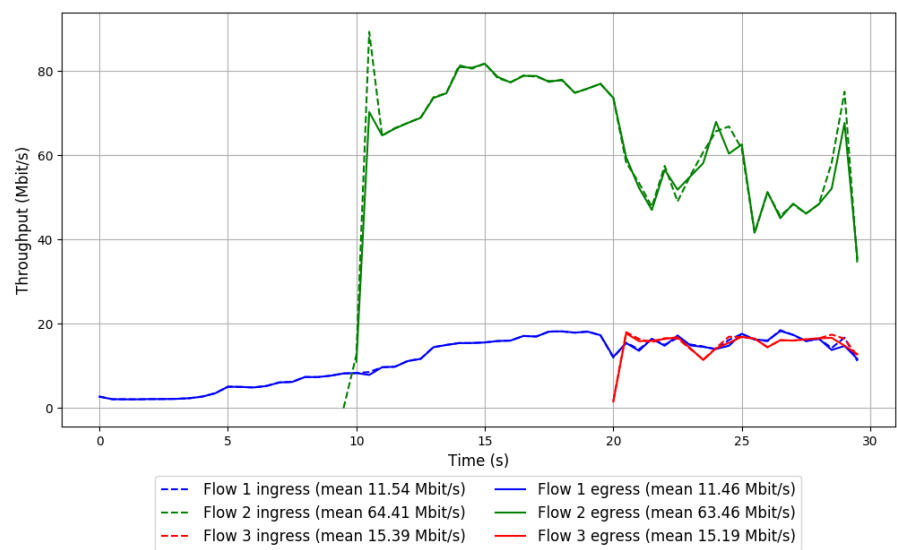
-- Flow 3:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 38.381 ms

Loss rate: 1.28%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 29 Jul 2017 04:49:37 +0000

End at: Sat, 29 Jul 2017 04:50:07 +0000

Local clock offset: -1.017 ms

Remote clock offset: -6.419 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 43.041 ms

Loss rate: 2.54%

-- Flow 1:

Average throughput: 73.05 Mbit/s

95th percentile per-packet one-way delay: 42.311 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 44.954 ms

Loss rate: 2.96%

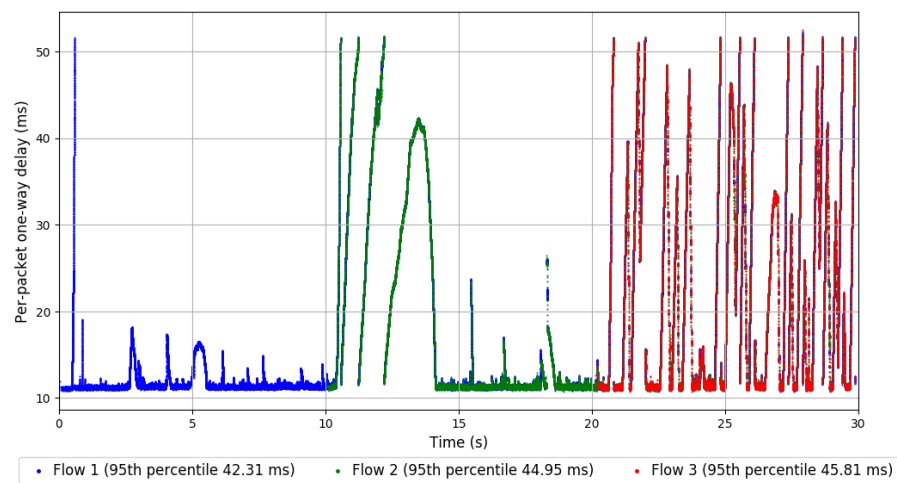
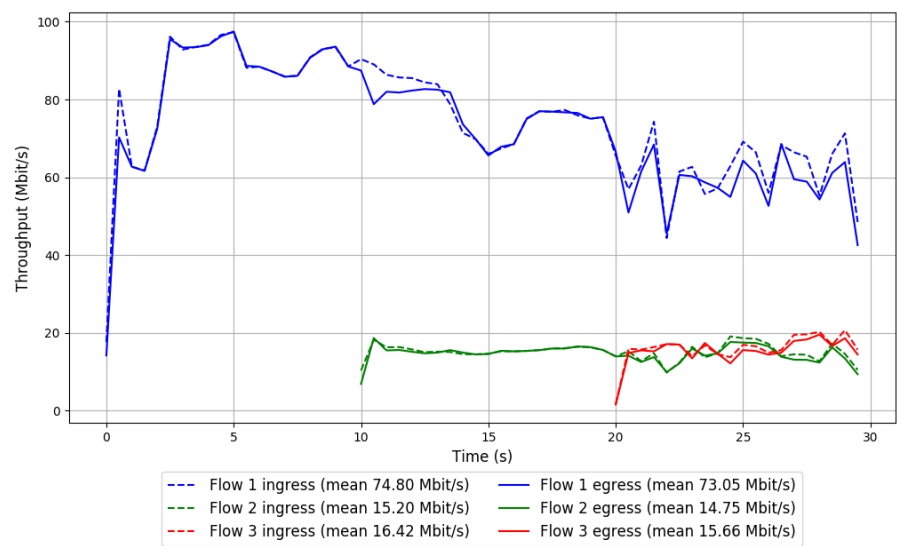
-- Flow 3:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 45.815 ms

Loss rate: 4.66%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:10:33 +0000

End at: Sat, 29 Jul 2017 05:11:03 +0000

Local clock offset: 1.961 ms

Remote clock offset: -5.065 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:21:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 35.230 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 35.071 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 36.141 ms

Loss rate: 0.42%

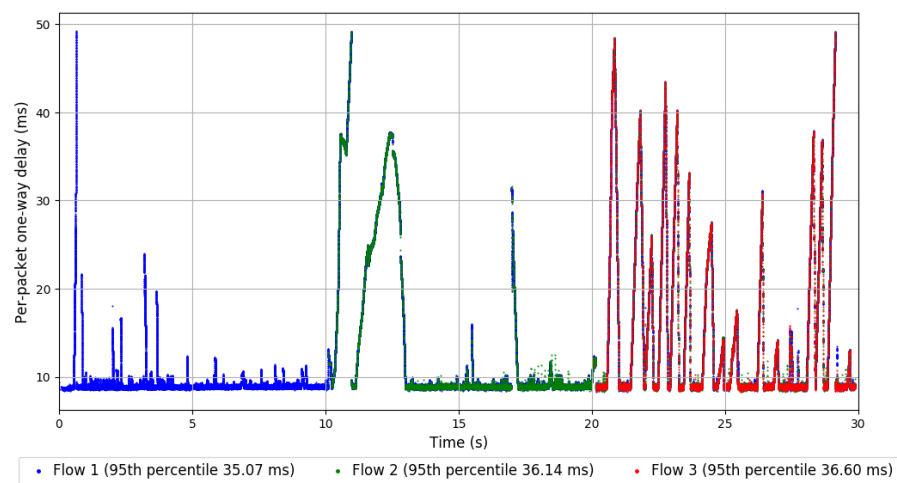
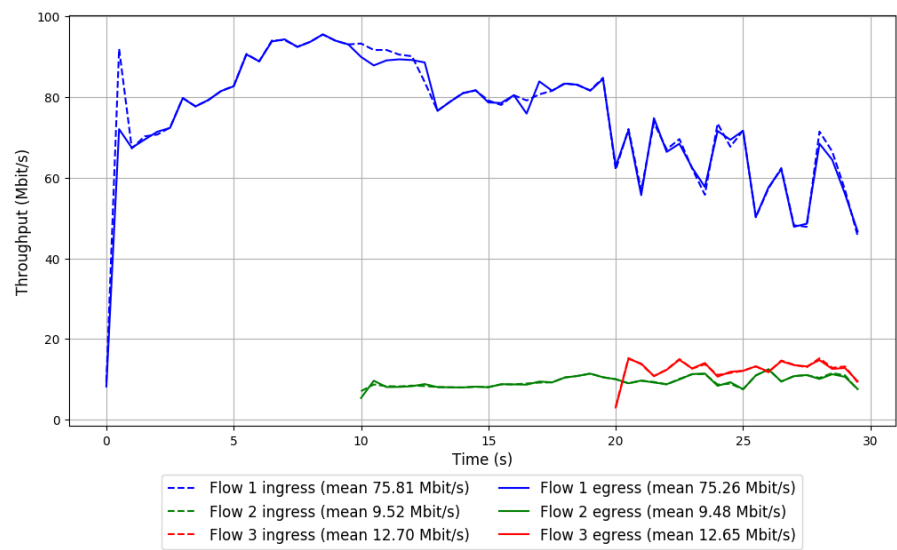
-- Flow 3:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 36.603 ms

Loss rate: 0.41%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

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

End at: Sat, 29 Jul 2017 05:30:35 +0000

Local clock offset: 1.582 ms

Remote clock offset: -4.326 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 44.425 ms

Loss rate: 4.04%

-- Flow 1:

Average throughput: 65.78 Mbit/s

95th percentile per-packet one-way delay: 44.269 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 45.364 ms

Loss rate: 4.86%

-- Flow 3:

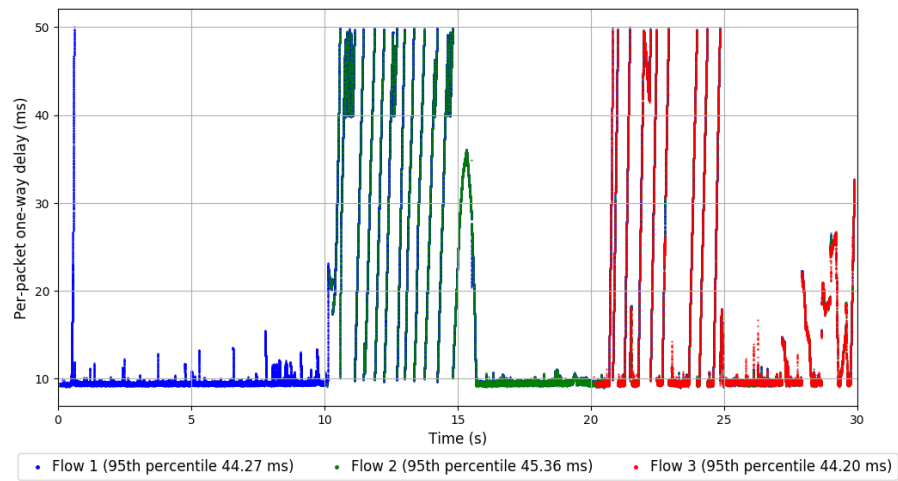
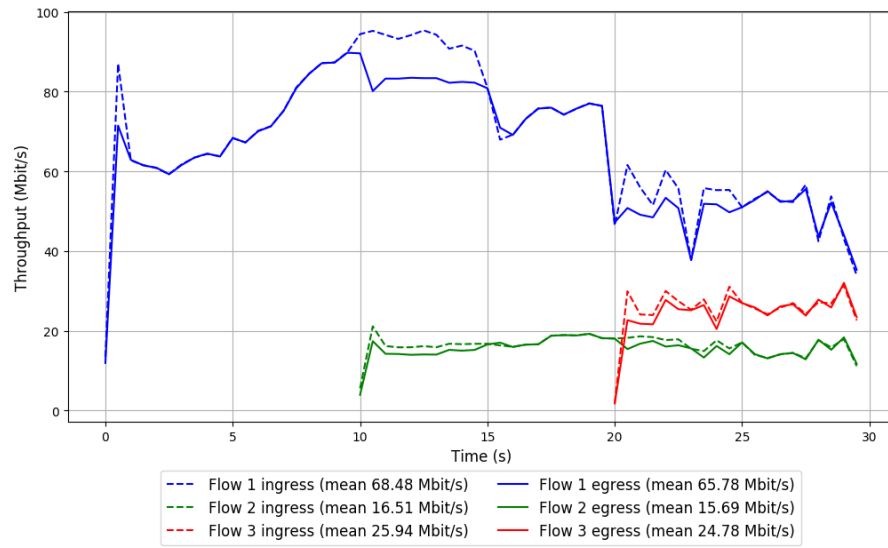
Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 44.202 ms

Loss rate: 4.26%



# Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 29 Jul 2017 05:49:44 +0000

End at: Sat, 29 Jul 2017 05:50:14 +0000

Local clock offset: 0.63 ms

Remote clock offset: -4.224 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 39.280 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 76.21 Mbit/s

95th percentile per-packet one-way delay: 36.798 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 8.71 Mbit/s

95th percentile per-packet one-way delay: 40.394 ms

Loss rate: 2.91%

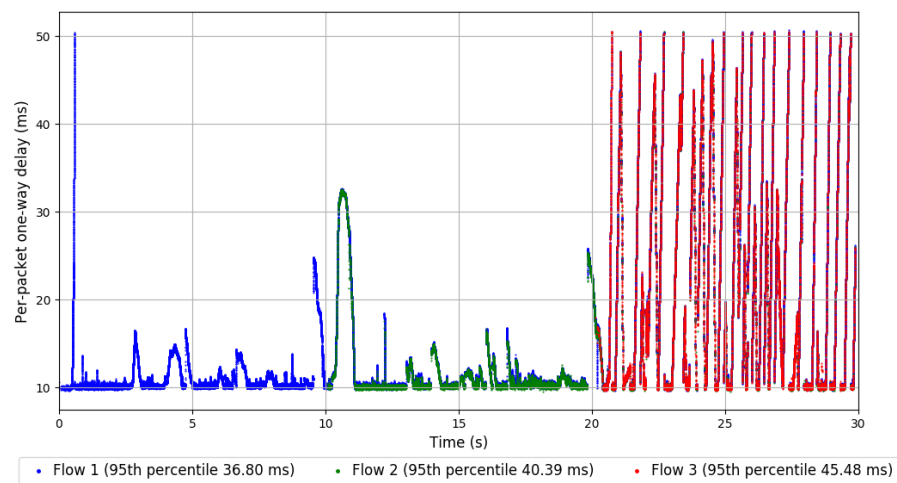
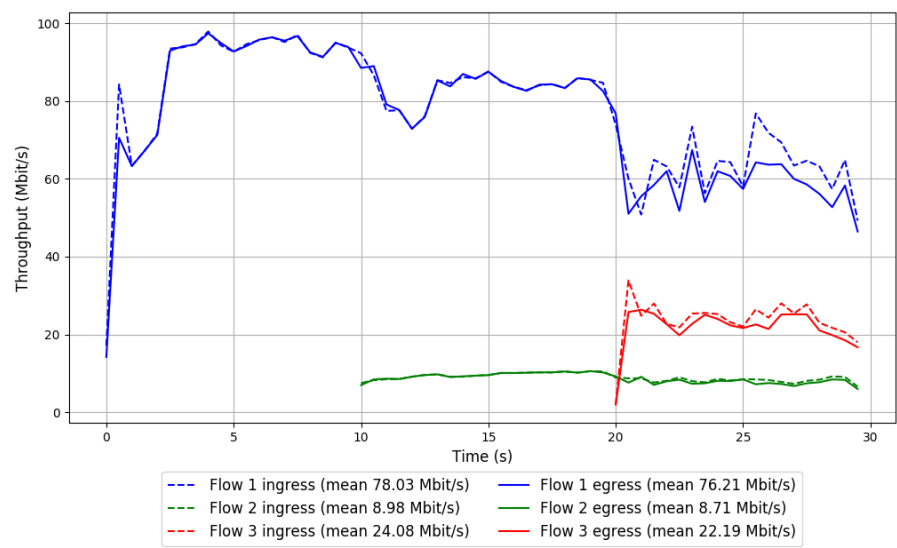
-- Flow 3:

Average throughput: 22.19 Mbit/s

95th percentile per-packet one-way delay: 45.480 ms

Loss rate: 7.78%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:09:07 +0000

End at: Sat, 29 Jul 2017 06:09:37 +0000

Local clock offset: -0.248 ms

Remote clock offset: -2.798 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 24.923 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 72.72 Mbit/s

95th percentile per-packet one-way delay: 24.802 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 8.42 Mbit/s

95th percentile per-packet one-way delay: 25.591 ms

Loss rate: 0.00%

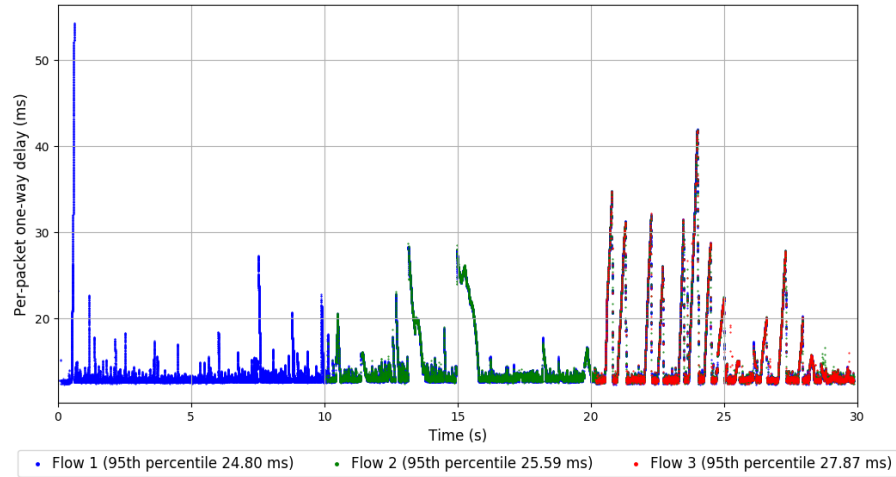
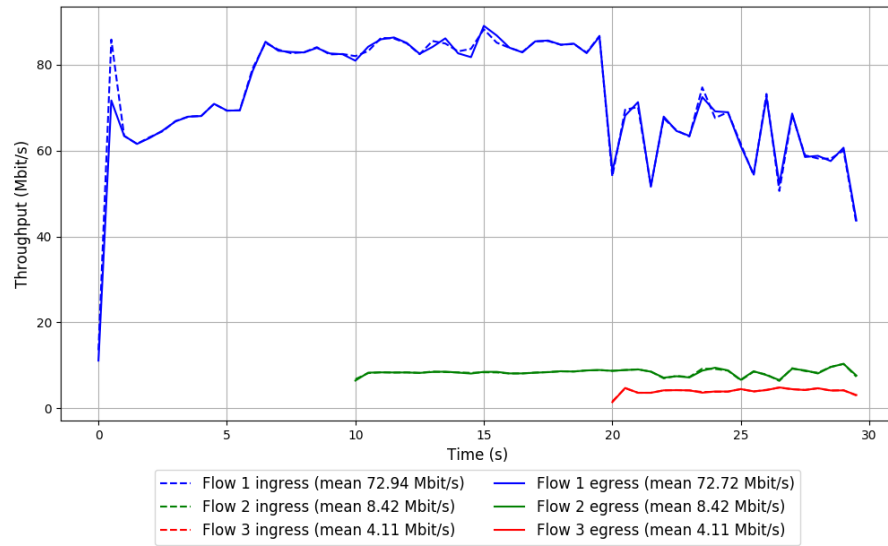
-- Flow 3:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 27.872 ms

Loss rate: 0.00%

## Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:28:27 +0000

End at: Sat, 29 Jul 2017 06:28:57 +0000

Local clock offset: 3.239 ms

Remote clock offset: -2.189 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 43.574 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 76.19 Mbit/s

95th percentile per-packet one-way delay: 42.426 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 45.581 ms

Loss rate: 1.27%

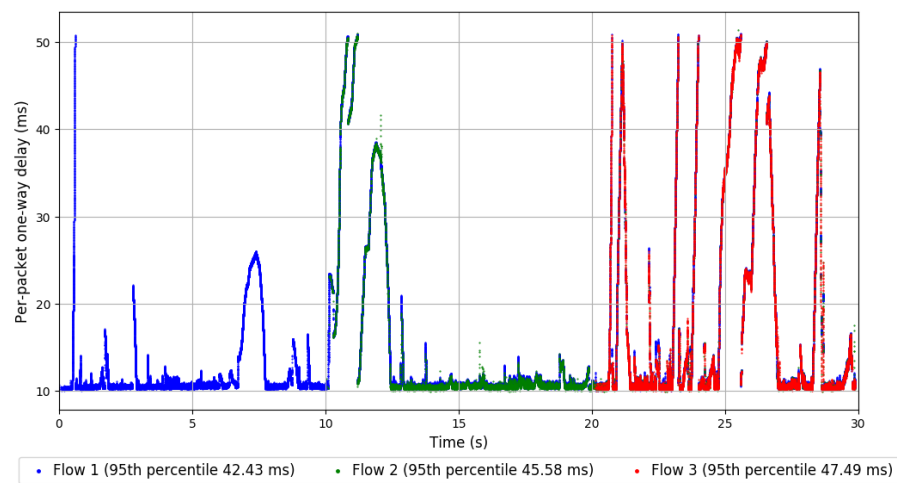
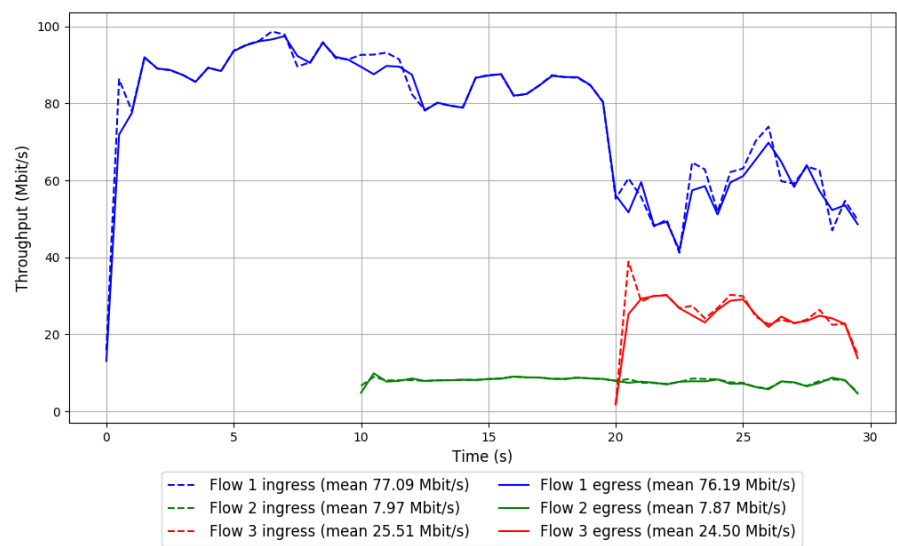
-- Flow 3:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 47.495 ms

Loss rate: 4.02%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 29 Jul 2017 06:47:48 +0000

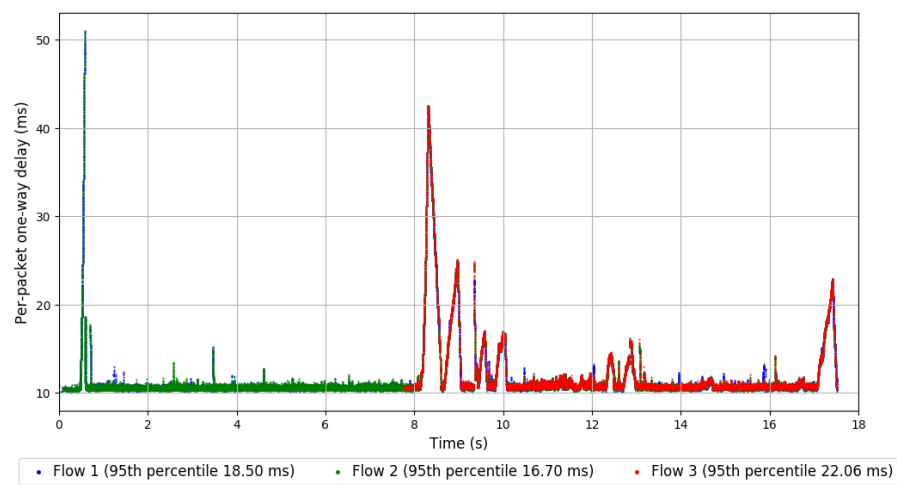
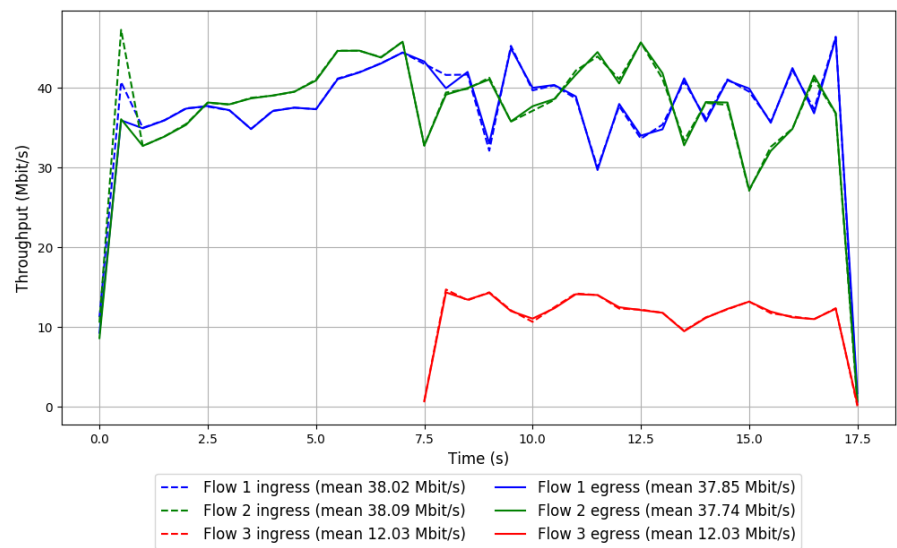
End at: Sat, 29 Jul 2017 06:48:18 +0000

Local clock offset: 2.553 ms

Remote clock offset: -2.927 ms



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

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

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

Local clock offset: -1.452 ms

Remote clock offset: -2.627 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 46.430 ms

Loss rate: 3.98%

-- Flow 1:

Average throughput: 70.46 Mbit/s

95th percentile per-packet one-way delay: 45.921 ms

Loss rate: 4.12%

-- Flow 2:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 48.287 ms

Loss rate: 4.28%

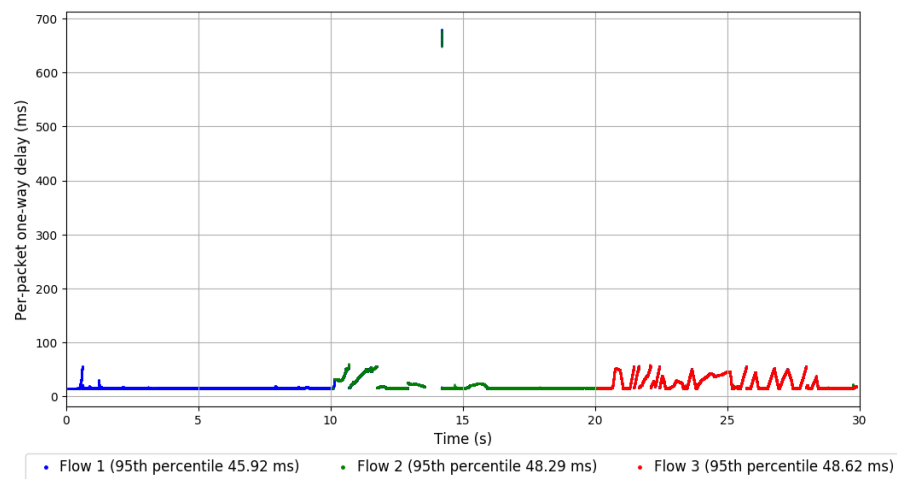
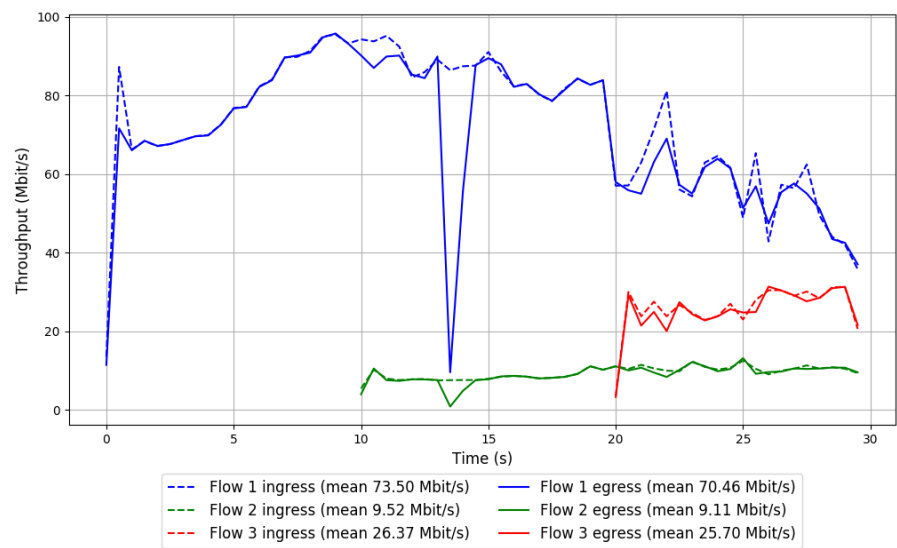
-- Flow 3:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 48.622 ms

Loss rate: 2.53%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 29 Jul 2017 07:26:01 +0000

End at: Sat, 29 Jul 2017 07:26:31 +0000

Local clock offset: -1.188 ms

Remote clock offset: -3.872 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 41.909 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 41.979 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 44.665 ms

Loss rate: 0.85%

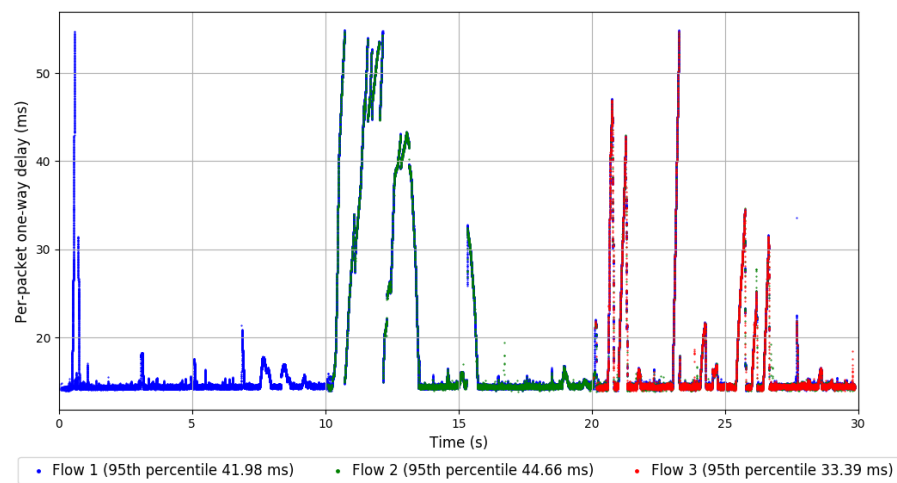
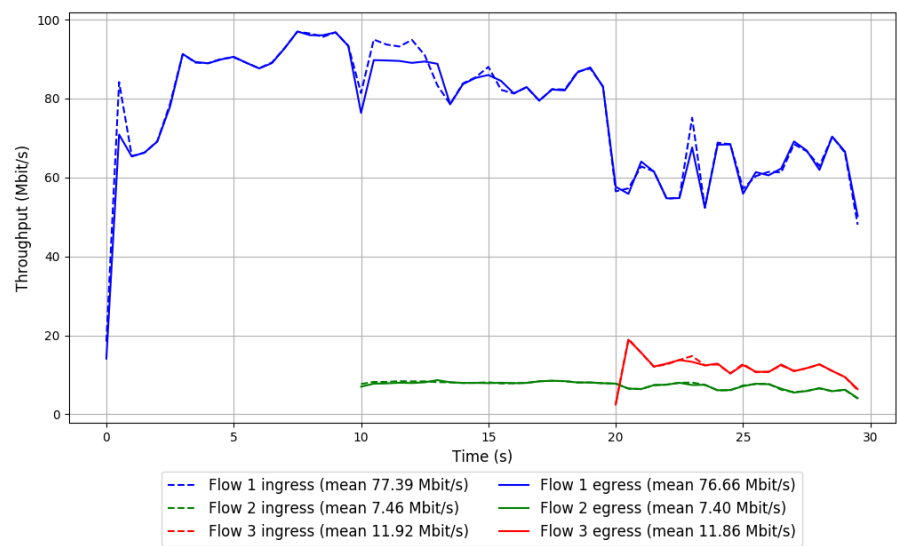
-- Flow 3:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 33.392 ms

Loss rate: 0.53%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 04:19:03 +0000

End at: Sat, 29 Jul 2017 04:19:33 +0000

Local clock offset: -0.572 ms

Remote clock offset: -6.816 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 21.16 Mbit/s

95th percentile per-packet one-way delay: 15.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 12.232 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 12.046 ms

Loss rate: 0.00%

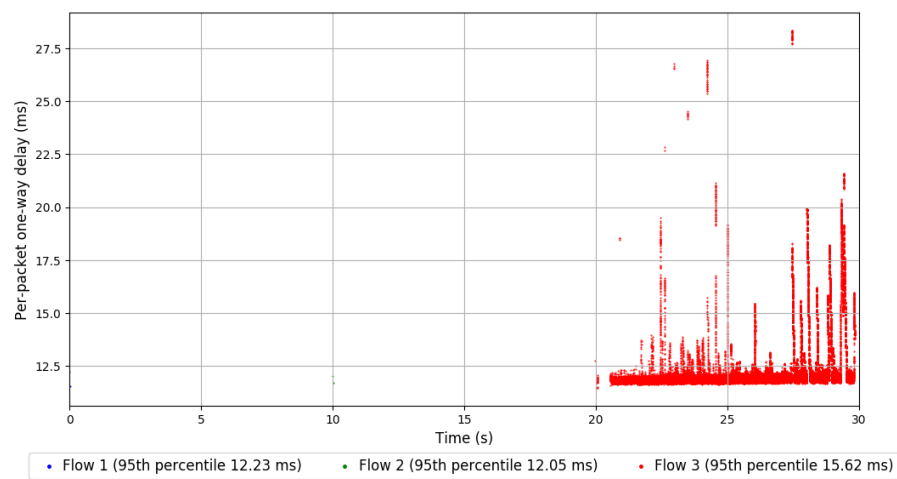
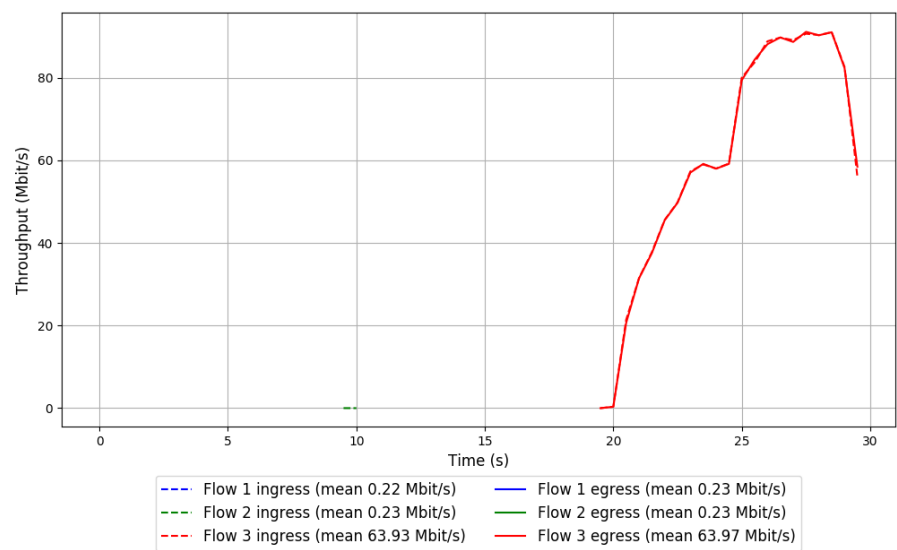
-- Flow 3:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 15.621 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 04:40:00 +0000

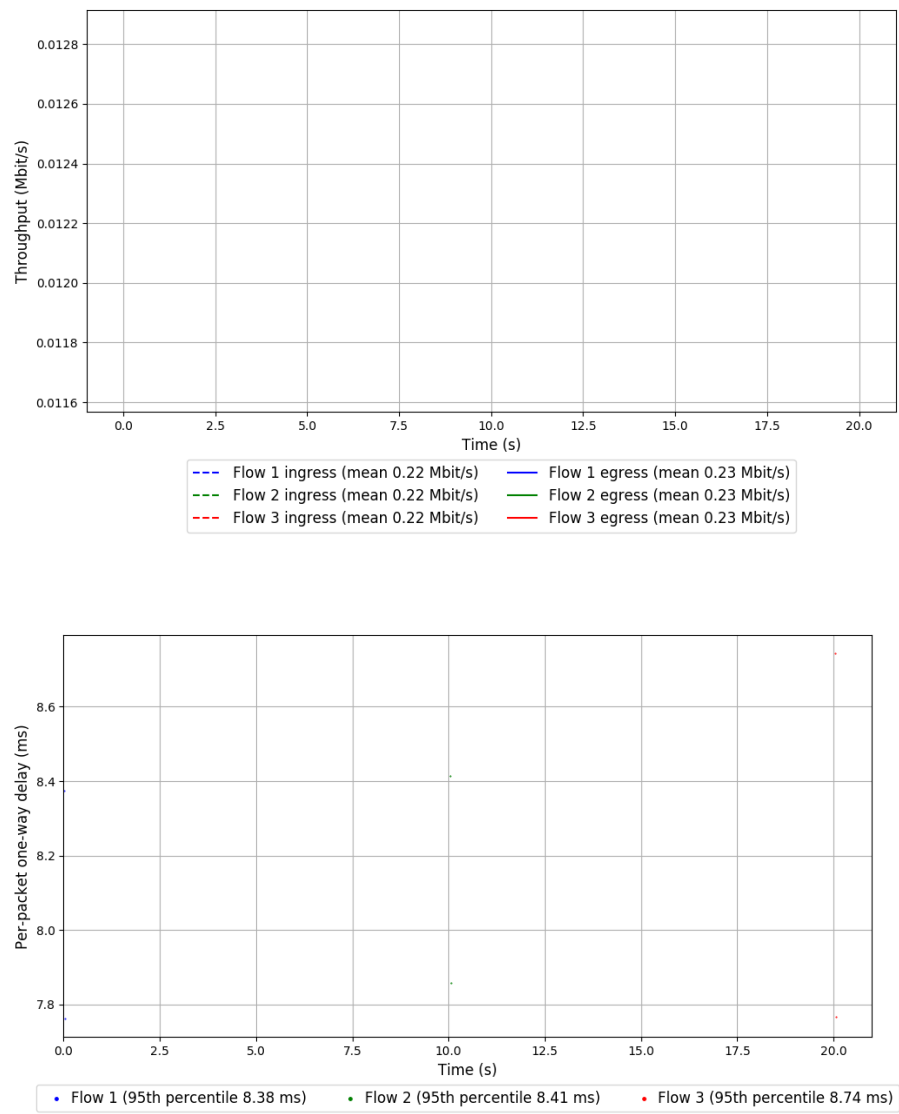
End at: Sat, 29 Jul 2017 04:40:30 +0000

Local clock offset: 1.197 ms

Remote clock offset: -7.748 ms



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:01:35 +0000

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

Local clock offset: 1.338 ms

Remote clock offset: -4.613 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.63 Mbit/s

95th percentile per-packet one-way delay: 10.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 10.326 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 10.470 ms

Loss rate: 0.00%

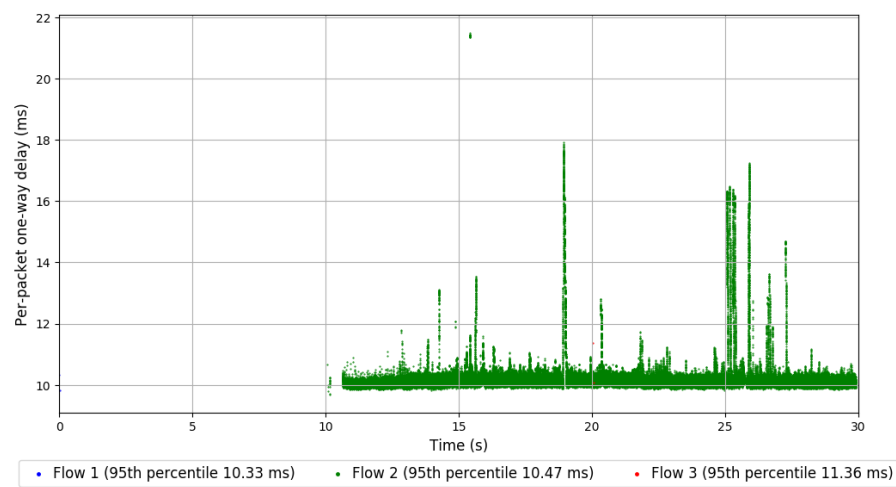
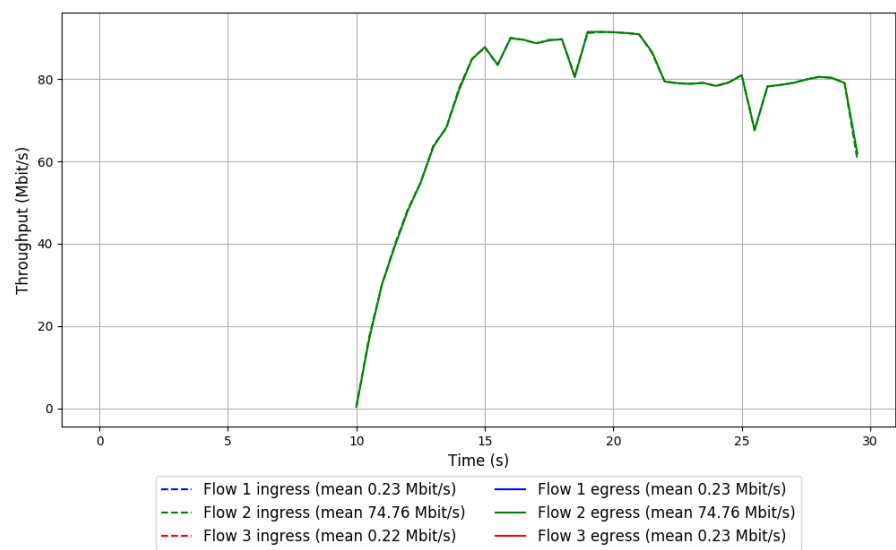
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 11.362 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 05:21:24 +0000

End at: Sat, 29 Jul 2017 05:21:54 +0000

Local clock offset: 1.023 ms

Remote clock offset: -4.321 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 10.751 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 10.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 10.465 ms

Loss rate: 0.00%

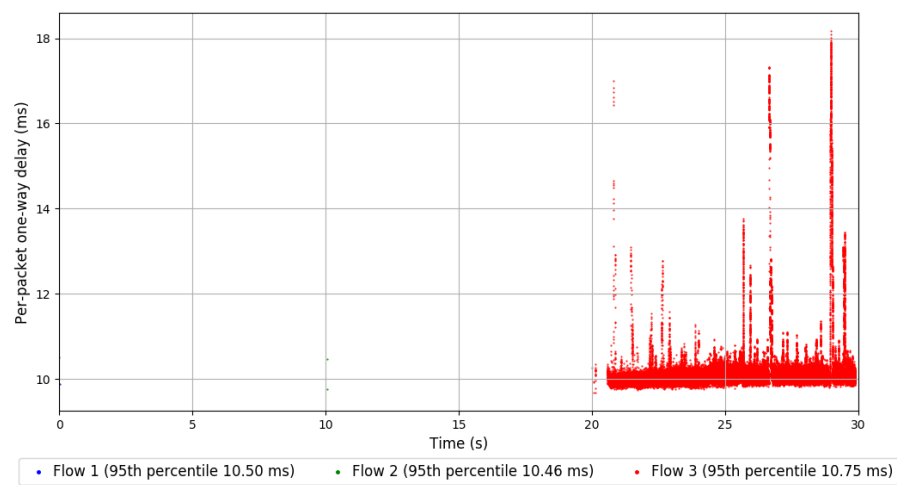
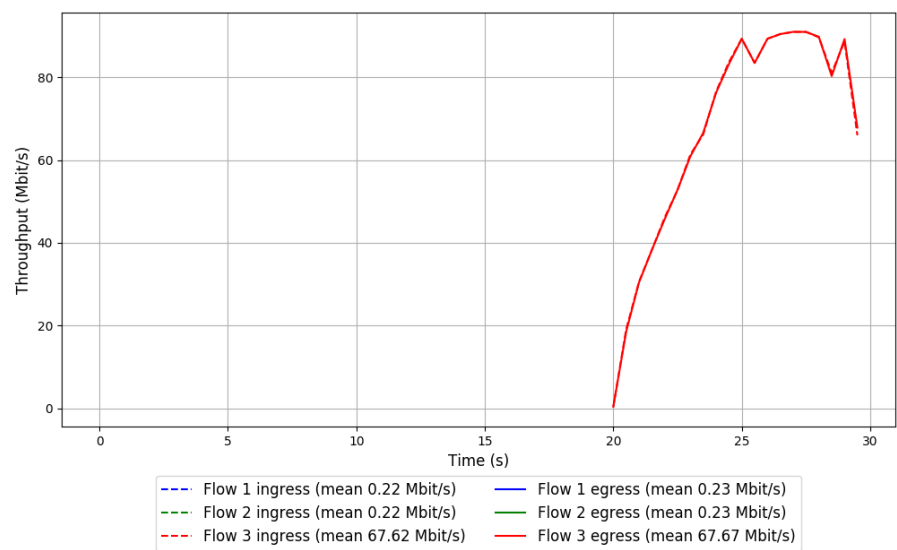
-- Flow 3:

Average throughput: 67.67 Mbit/s

95th percentile per-packet one-way delay: 10.752 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

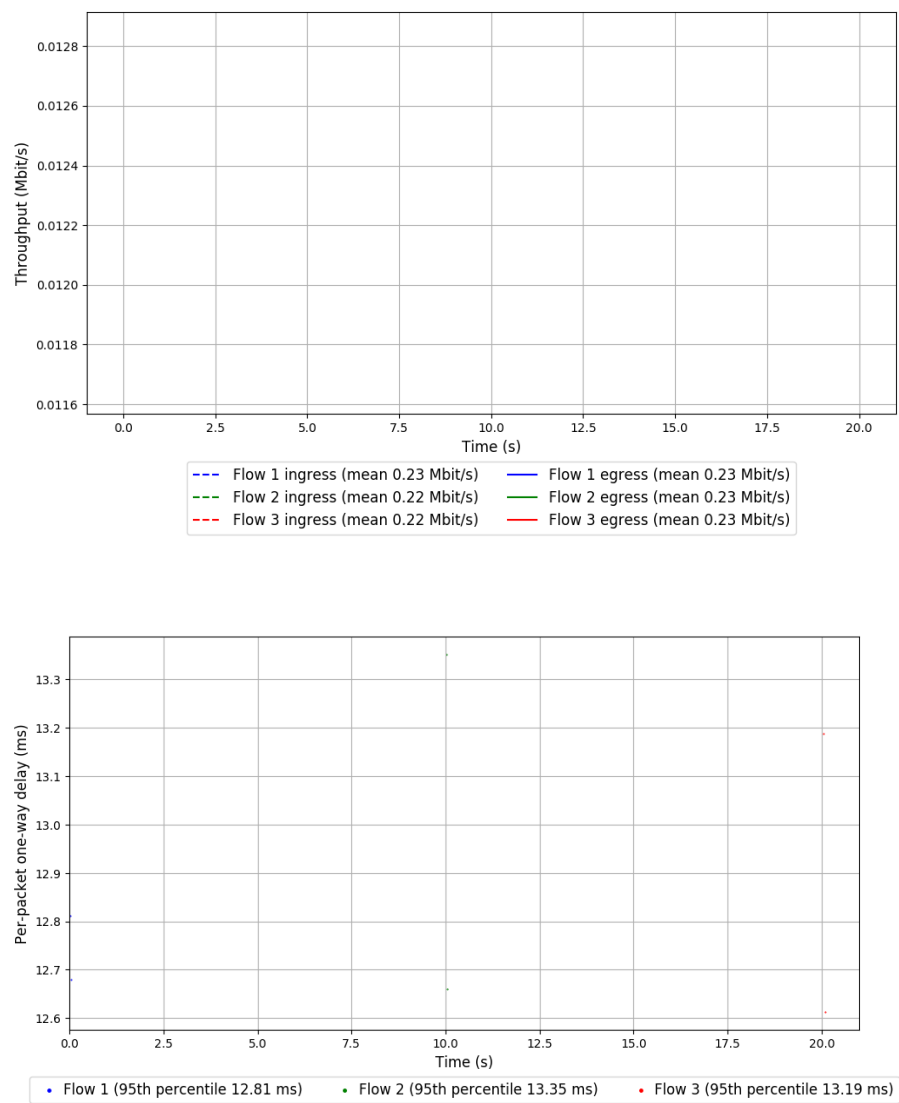
Start at: Sat, 29 Jul 2017 05:41:07 +0000

End at: Sat, 29 Jul 2017 05:41:37 +0000

Local clock offset: -1.486 ms

Remote clock offset: -3.629 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 06:00:09 +0000

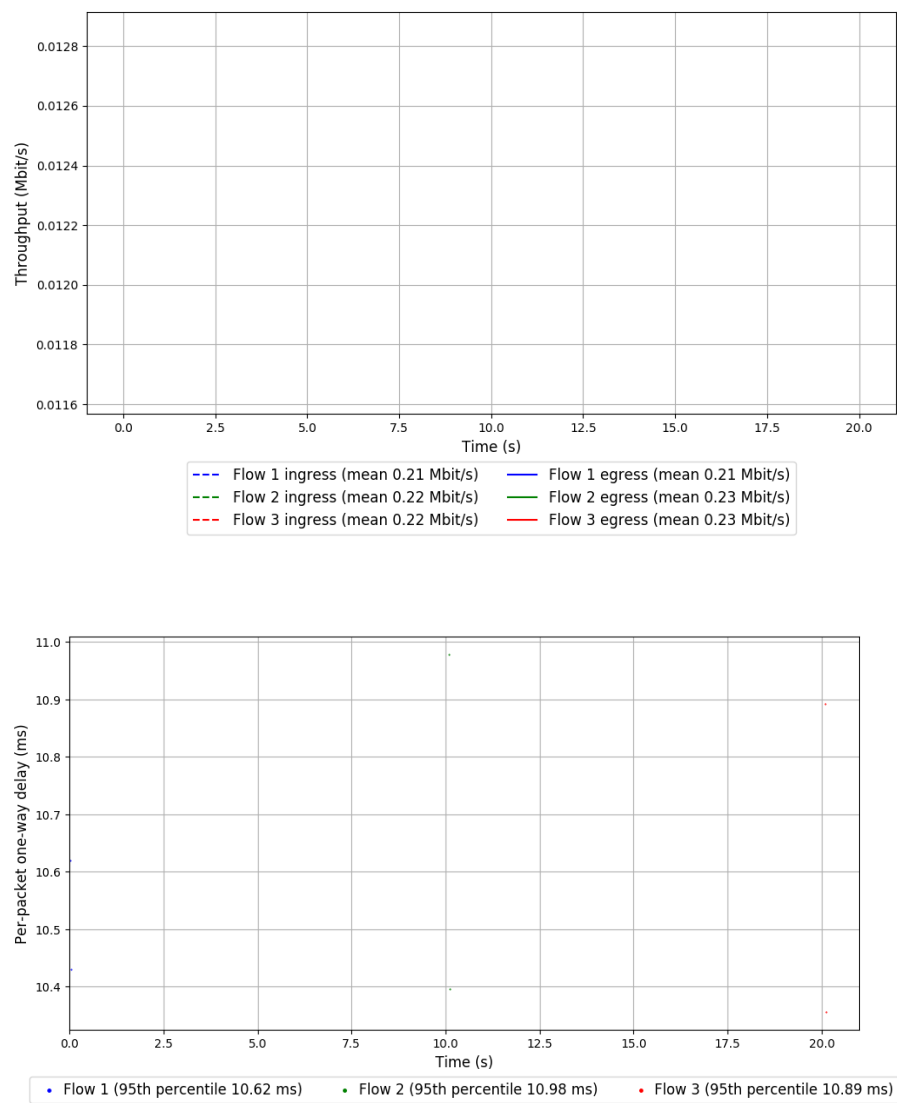
End at: Sat, 29 Jul 2017 06:00:39 +0000

Local clock offset: 1.082 ms

Remote clock offset: -3.404 ms



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

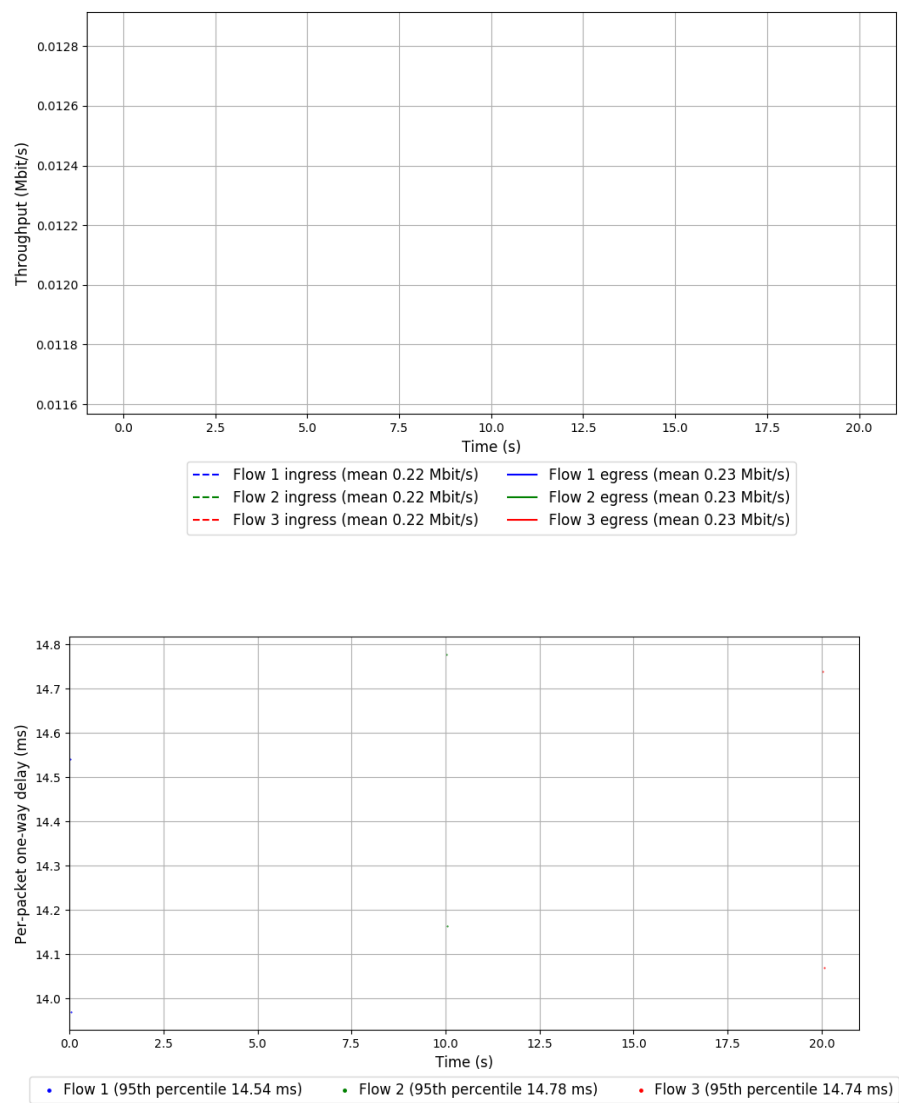
Start at: Sat, 29 Jul 2017 06:19:50 +0000

End at: Sat, 29 Jul 2017 06:20:20 +0000

Local clock offset: -0.253 ms

Remote clock offset: -1.728 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

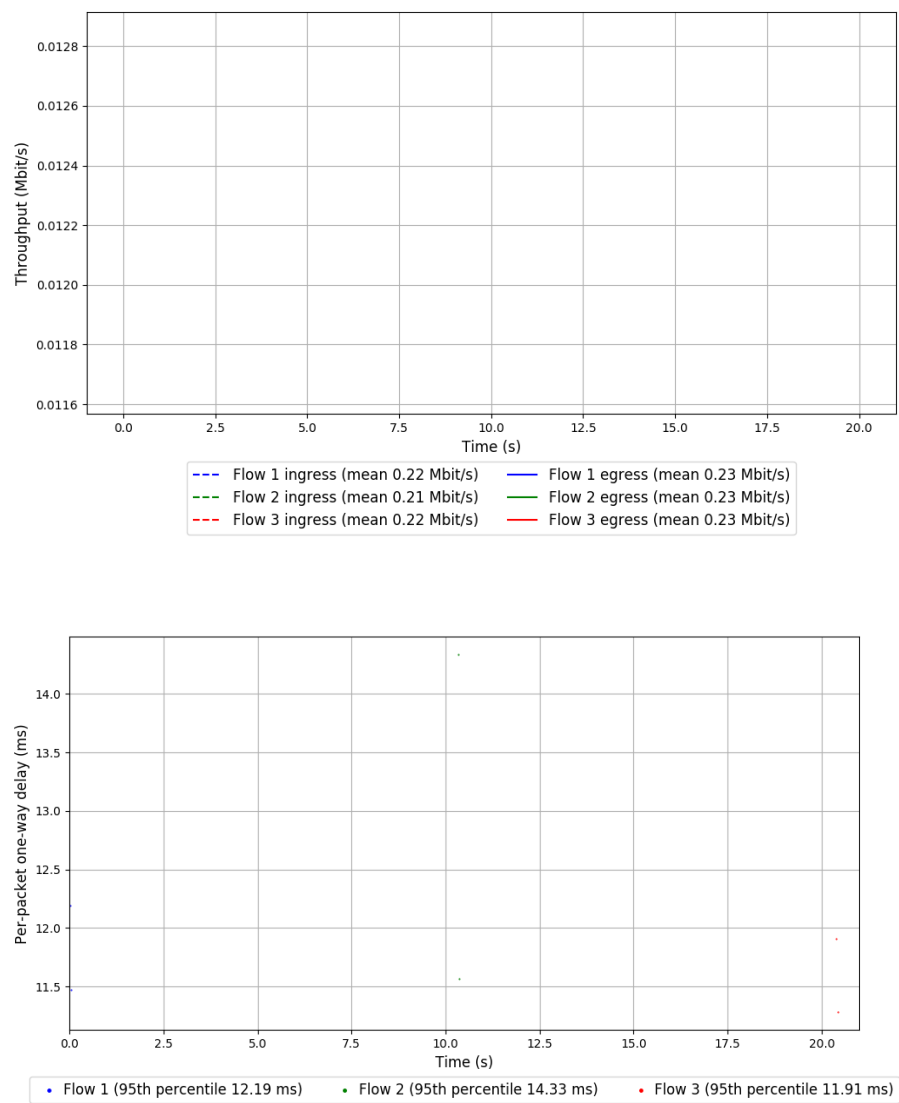
Start at: Sat, 29 Jul 2017 06:39:01 +0000

End at: Sat, 29 Jul 2017 06:39:31 +0000

Local clock offset: 1.732 ms

Remote clock offset: -2.408 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

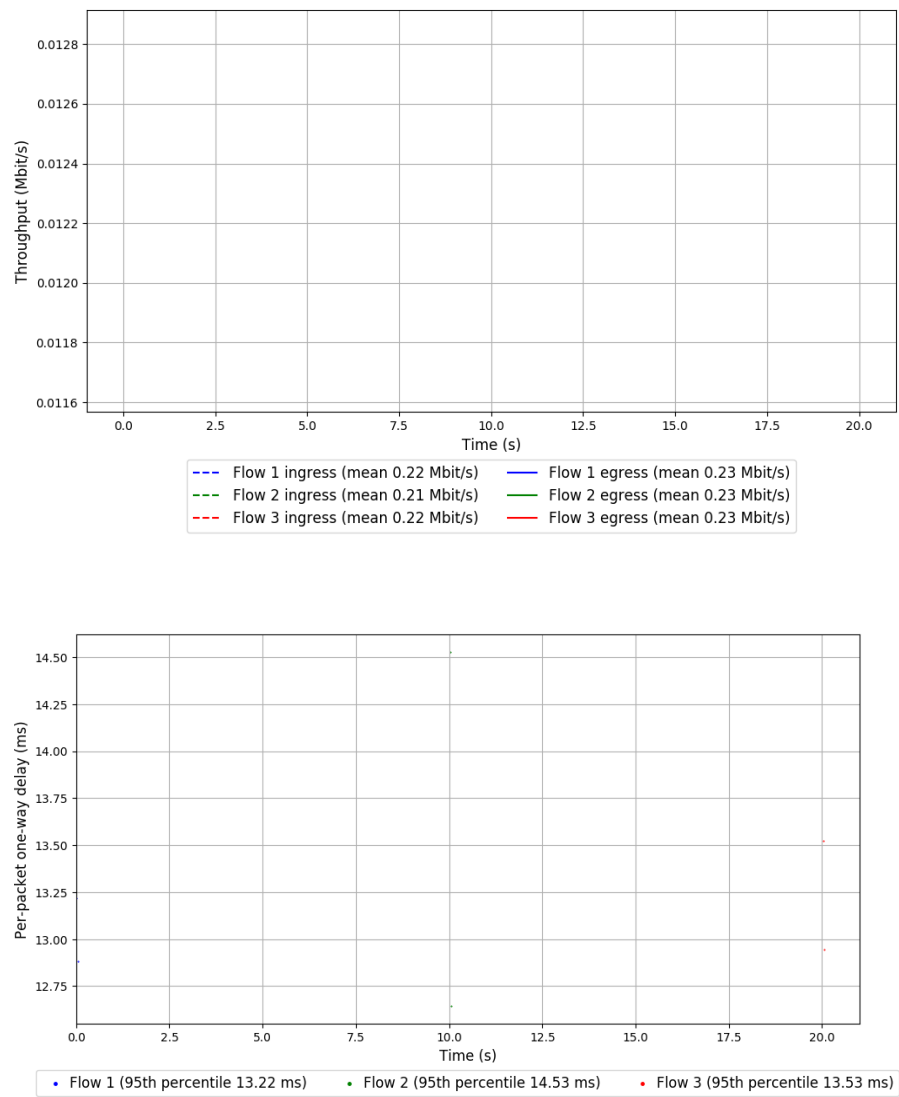
Start at: Sat, 29 Jul 2017 06:58:24 +0000

End at: Sat, 29 Jul 2017 06:58:54 +0000

Local clock offset: -0.06 ms

Remote clock offset: -3.327 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sat, 29 Jul 2017 07:17:47 +0000

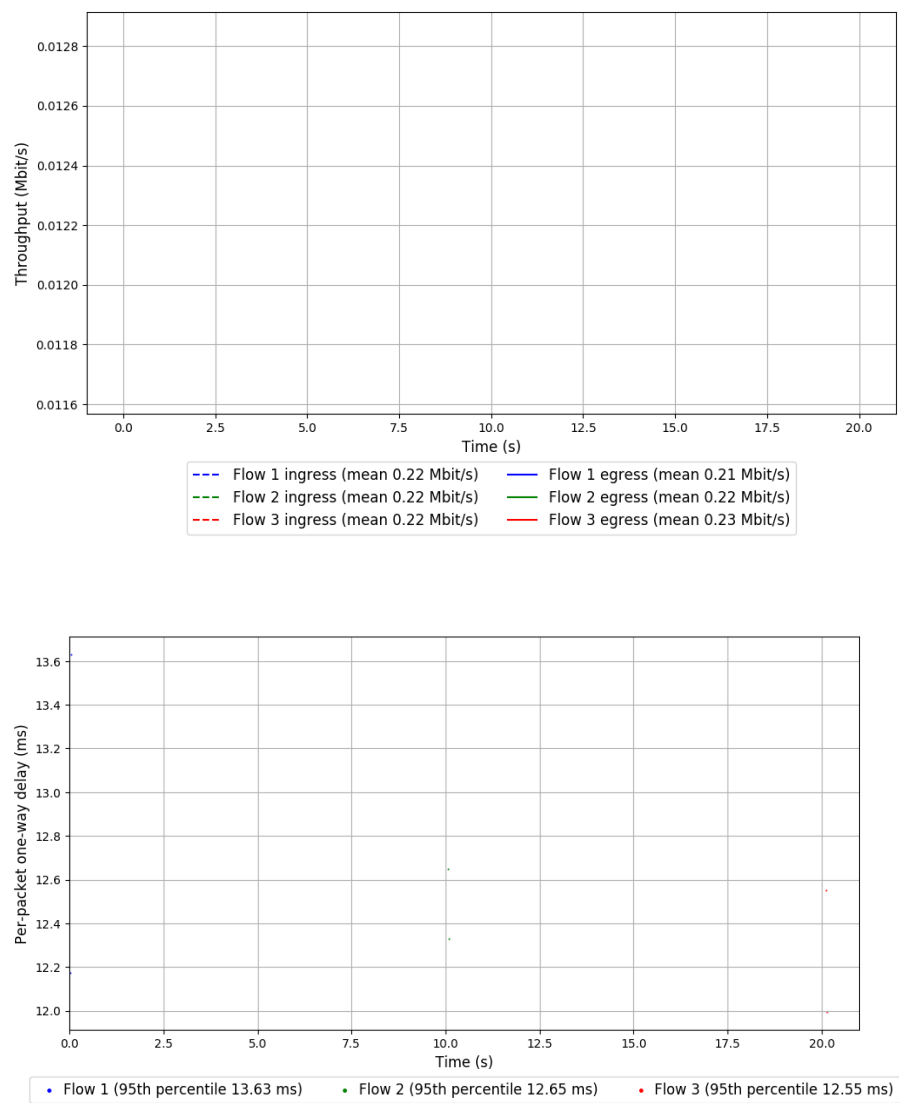
End at: Sat, 29 Jul 2017 07:18:17 +0000

Local clock offset: 1.227 ms

Remote clock offset: -3.202 ms



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:37:00 +0000

End at: Sat, 29 Jul 2017 04:37:30 +0000

Local clock offset: 1.435 ms

Remote clock offset: -7.399 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:22:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 30.754 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 68.10 Mbit/s

95th percentile per-packet one-way delay: 30.747 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 30.759 ms

Loss rate: 0.16%

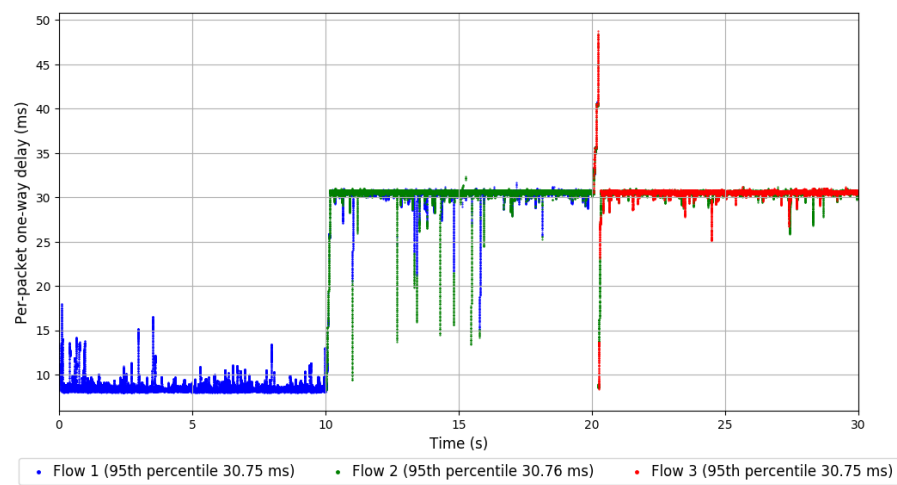
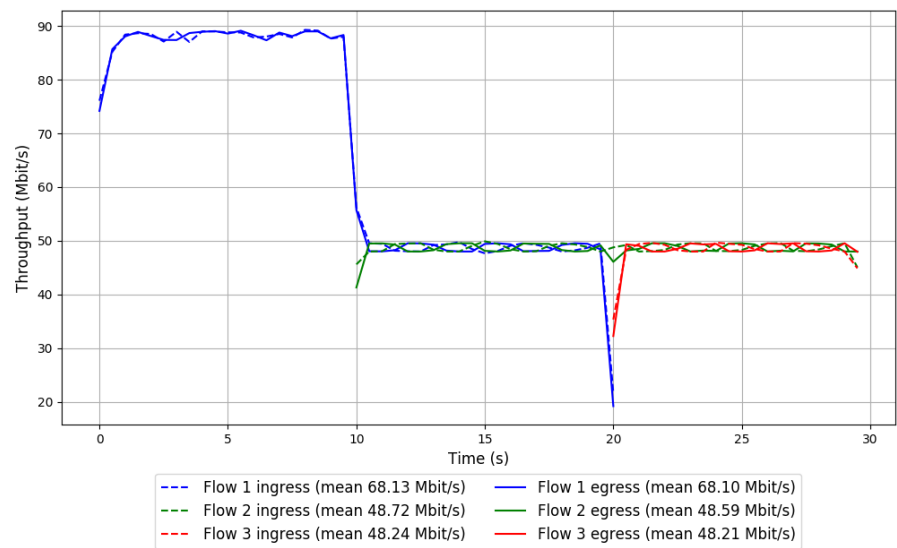
-- Flow 3:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 30.752 ms

Loss rate: 0.07%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 29 Jul 2017 04:58:48 +0000

End at: Sat, 29 Jul 2017 04:59:18 +0000

Local clock offset: -0.451 ms

Remote clock offset: -5.921 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:23:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 33.307 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 61.35 Mbit/s

95th percentile per-packet one-way delay: 33.300 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 33.318 ms

Loss rate: 1.40%

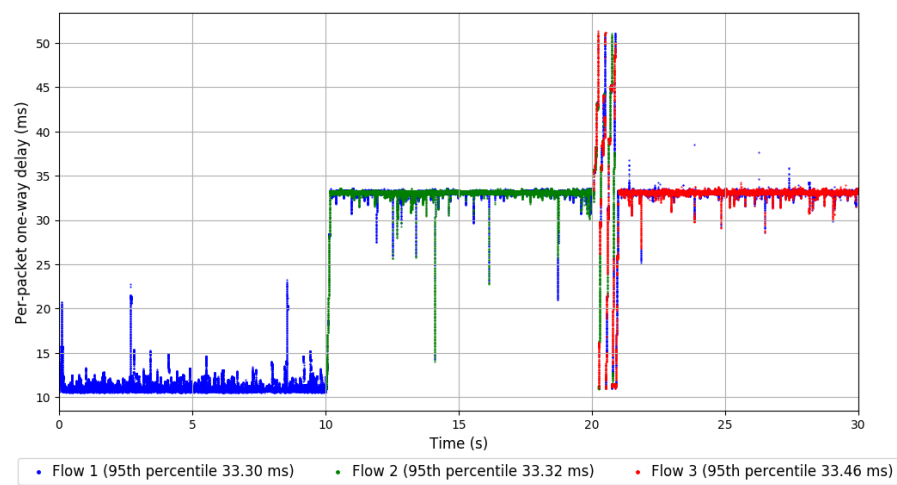
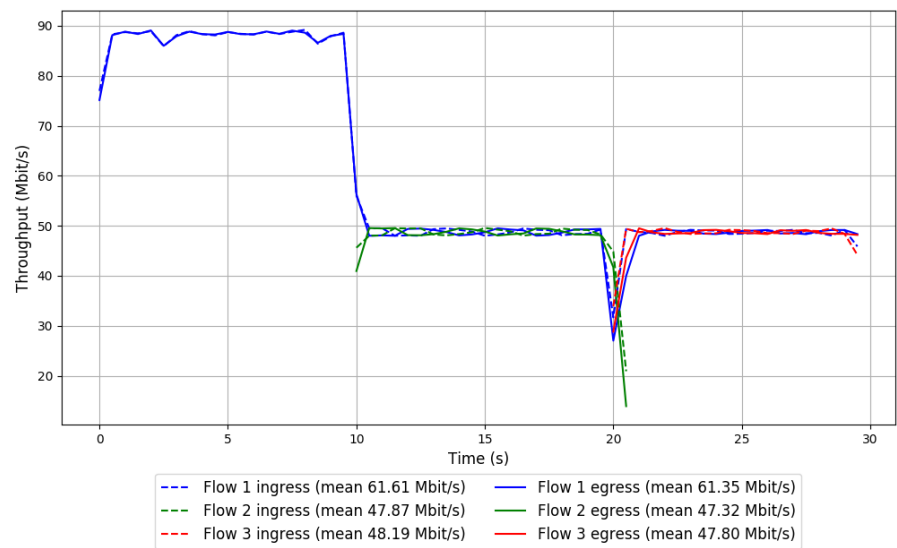
-- Flow 3:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 33.457 ms

Loss rate: 0.82%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:18:32 +0000

End at: Sat, 29 Jul 2017 05:19:02 +0000

Local clock offset: -1.52 ms

Remote clock offset: -4.326 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:23:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 35.243 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 61.75 Mbit/s

95th percentile per-packet one-way delay: 35.238 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 35.248 ms

Loss rate: 0.25%

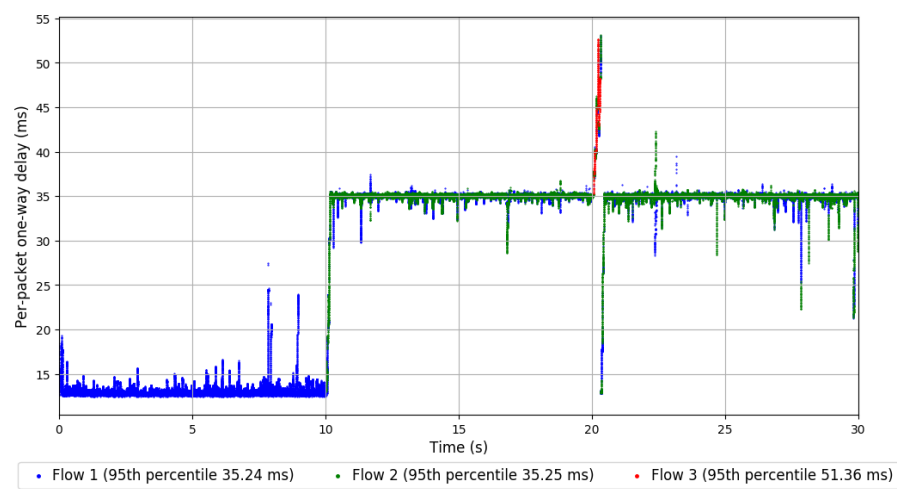
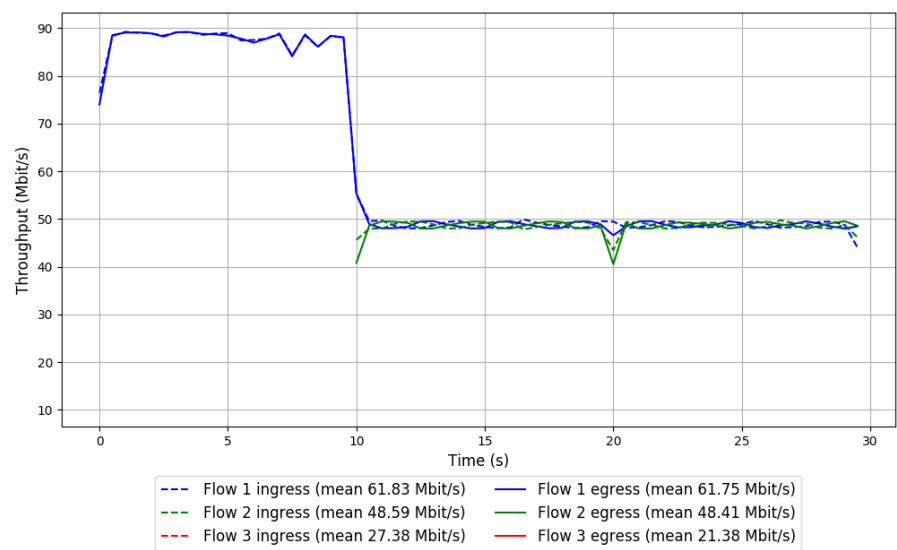
-- Flow 3:

Average throughput: 21.38 Mbit/s

95th percentile per-packet one-way delay: 51.359 ms

Loss rate: 35.14%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 29 Jul 2017 05:38:10 +0000

End at: Sat, 29 Jul 2017 05:38:40 +0000

Local clock offset: 2.803 ms

Remote clock offset: -3.58 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:23:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 31.211 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 61.01 Mbit/s

95th percentile per-packet one-way delay: 31.204 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 48.58 Mbit/s

95th percentile per-packet one-way delay: 31.218 ms

Loss rate: 1.18%

-- Flow 3:

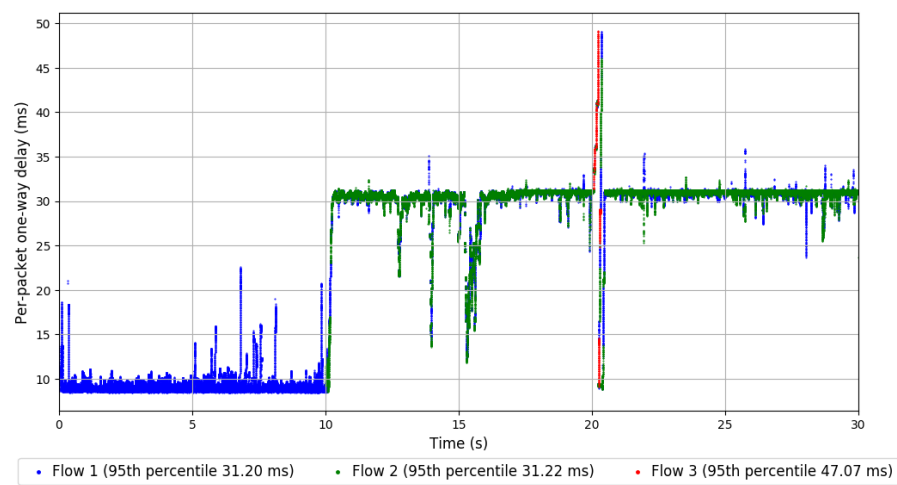
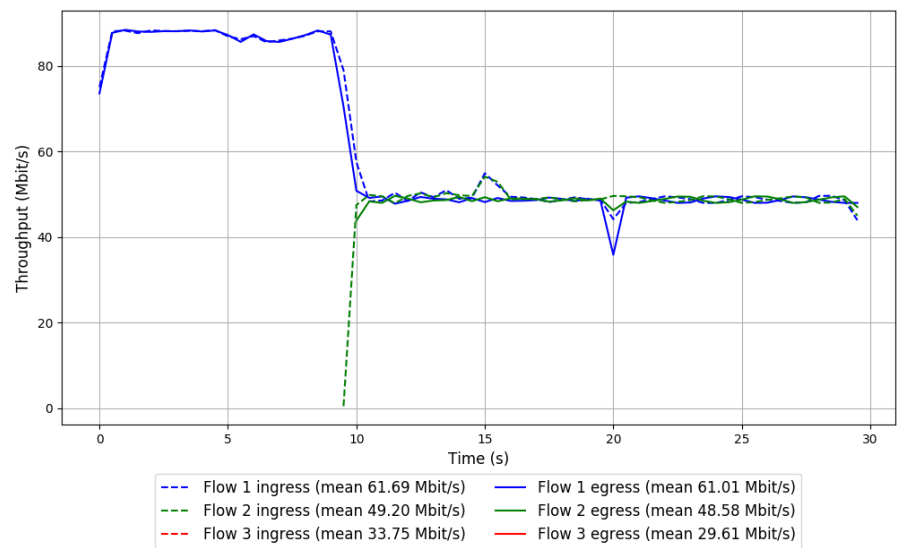
Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 47.069 ms

Loss rate: 26.29%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

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

End at: Sat, 29 Jul 2017 05:57:59 +0000

Local clock offset: 1.869 ms

Remote clock offset: -3.414 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 32.290 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 32.280 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 47.96 Mbit/s

95th percentile per-packet one-way delay: 32.296 ms

Loss rate: 1.04%

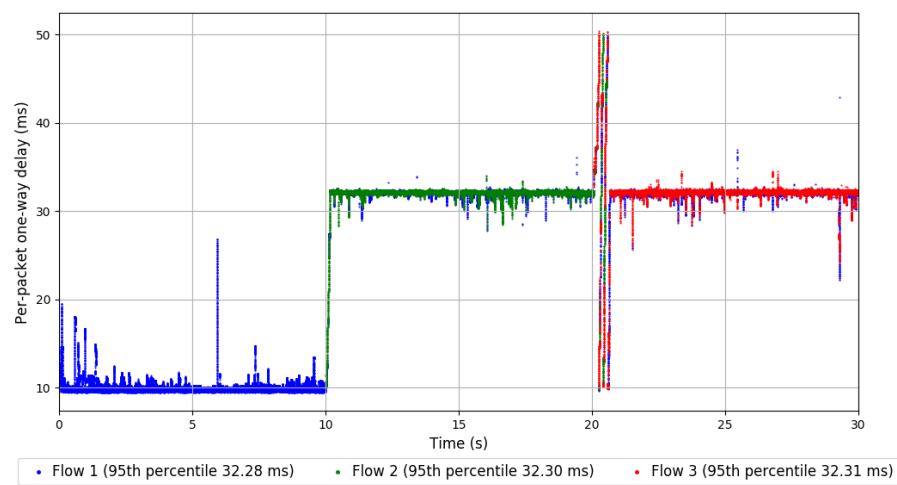
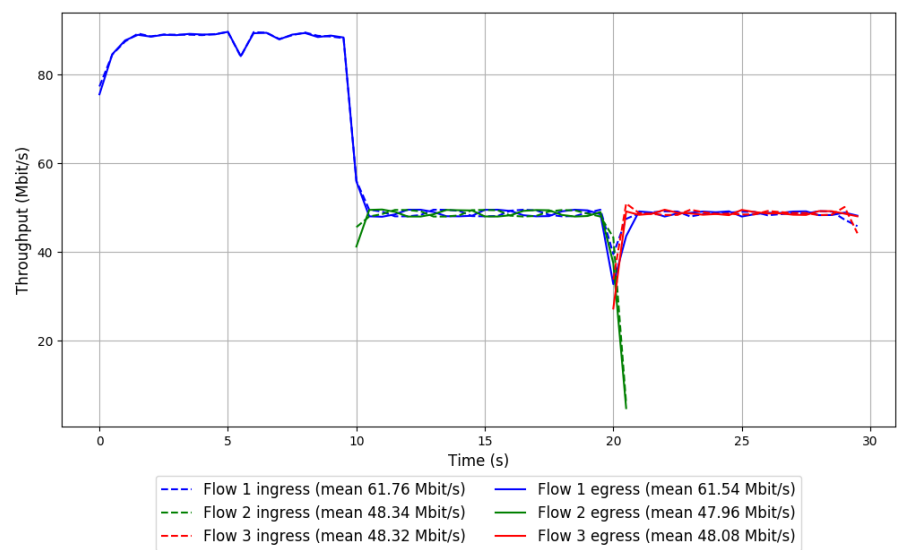
-- Flow 3:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 32.308 ms

Loss rate: 0.51%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

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

End at: Sat, 29 Jul 2017 06:17:36 +0000

Local clock offset: 2.38 ms

Remote clock offset: -1.542 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.87 Mbit/s

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

Loss rate: 1.85%

-- Flow 1:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 34.126 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 36.769 ms

Loss rate: 1.93%

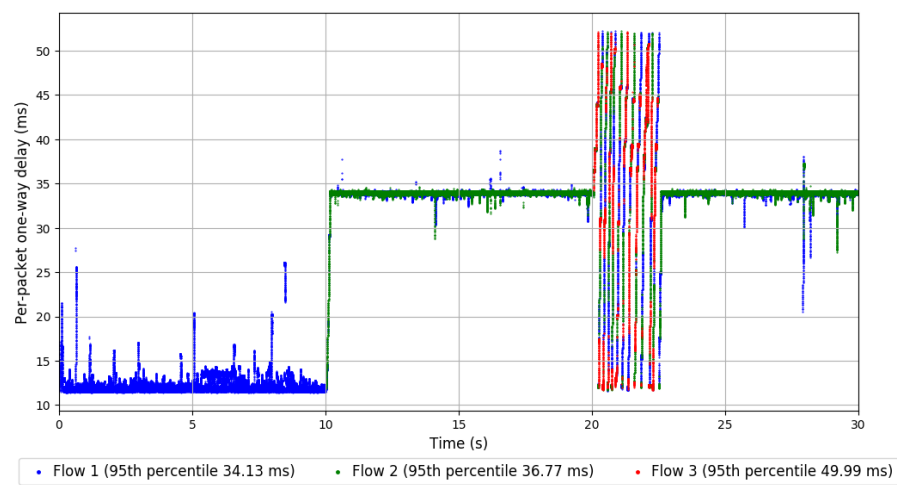
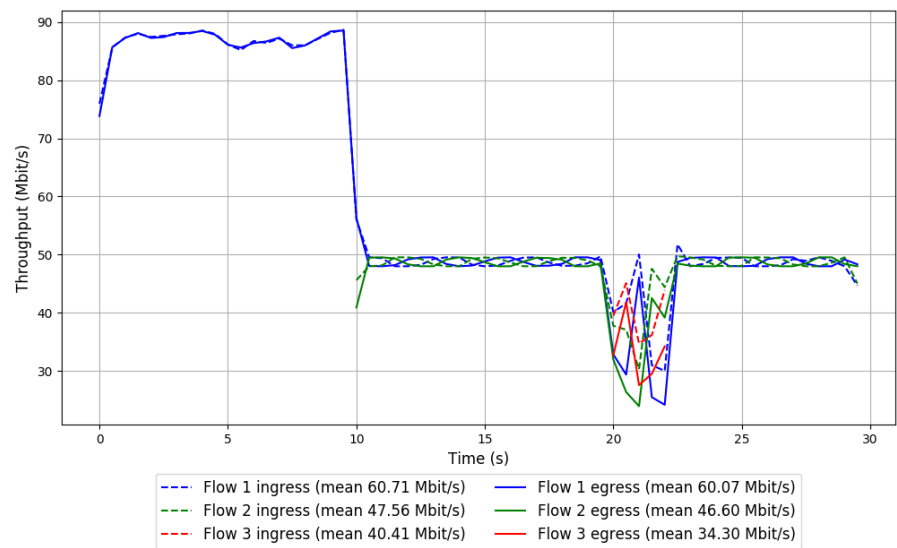
-- Flow 3:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 49.988 ms

Loss rate: 16.84%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 29 Jul 2017 06:36:19 +0000

End at: Sat, 29 Jul 2017 06:36:49 +0000

Local clock offset: 2.627 ms

Remote clock offset: -2.608 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:23:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 33.063 ms

Loss rate: 2.57%

-- Flow 1:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 33.050 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 48.25 Mbit/s

95th percentile per-packet one-way delay: 33.073 ms

Loss rate: 3.17%

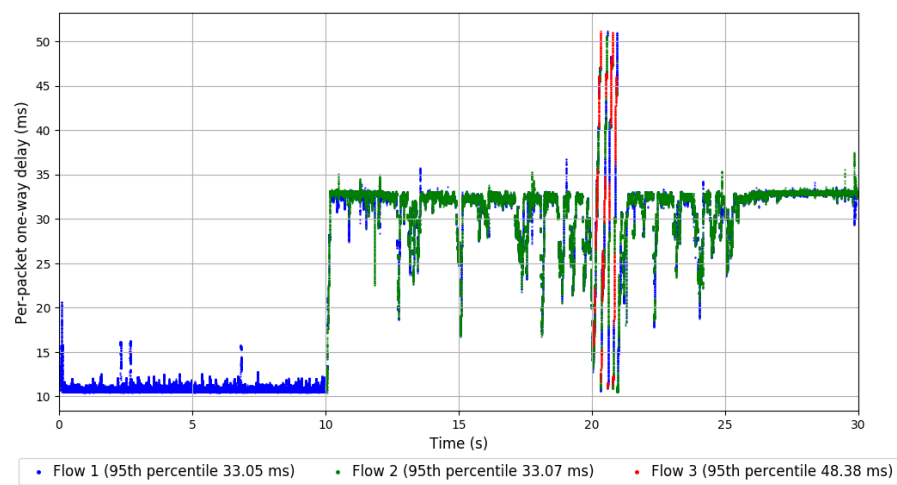
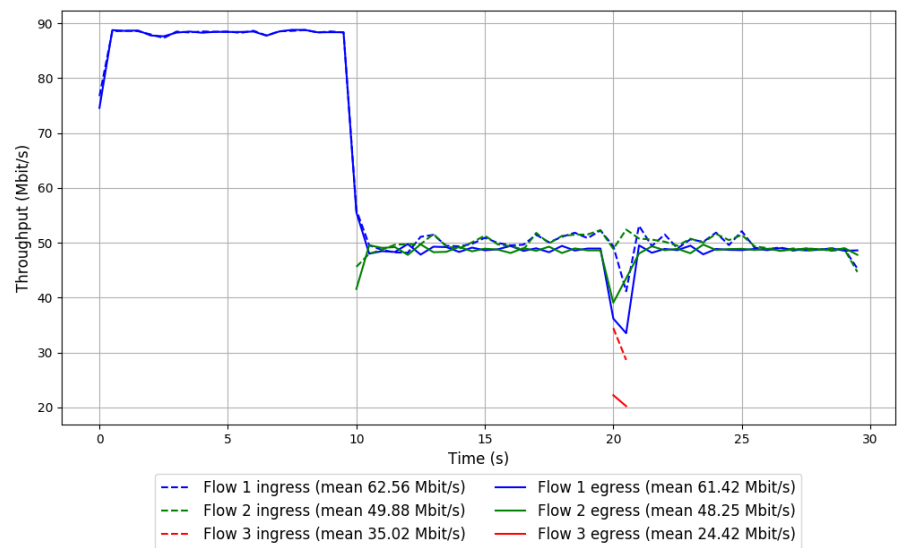
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 48.379 ms

Loss rate: 32.76%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

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

End at: Sat, 29 Jul 2017 06:56:16 +0000

Local clock offset: 3.68 ms

Remote clock offset: -2.263 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:23:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 32.673 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 60.88 Mbit/s

95th percentile per-packet one-way delay: 32.660 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 36.291 ms

Loss rate: 2.91%

-- Flow 3:

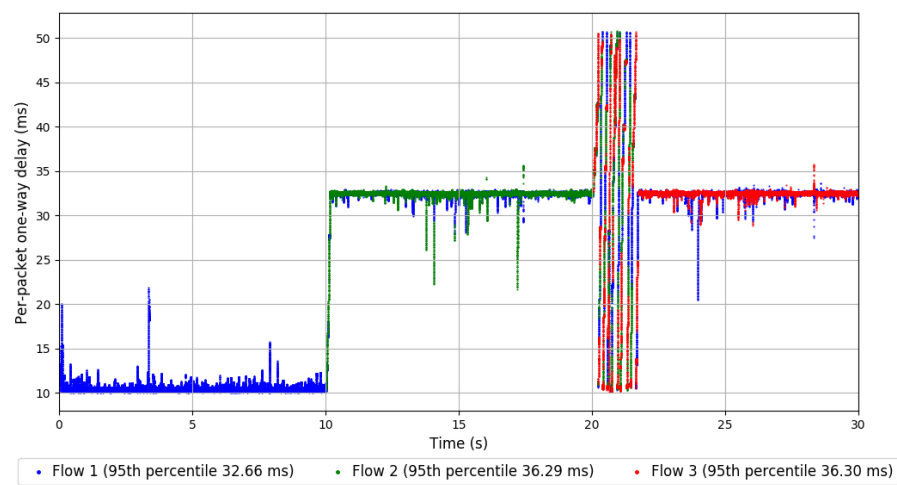
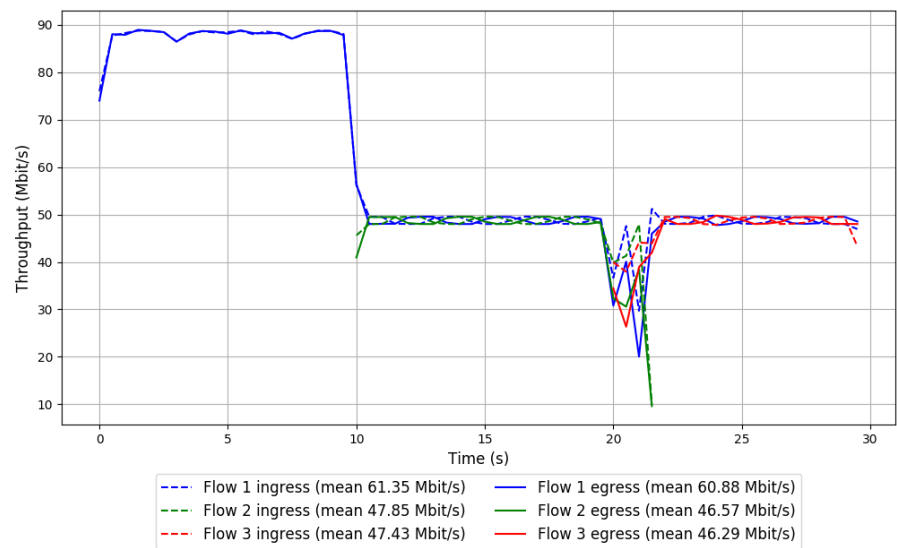
Average throughput: 46.29 Mbit/s

95th percentile per-packet one-way delay: 36.303 ms

Loss rate: 2.40%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:15:06 +0000

End at: Sat, 29 Jul 2017 07:15:36 +0000

Local clock offset: 0.122 ms

Remote clock offset: -3.151 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 35.795 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 35.777 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 47.08 Mbit/s

95th percentile per-packet one-way delay: 35.800 ms

Loss rate: 1.43%

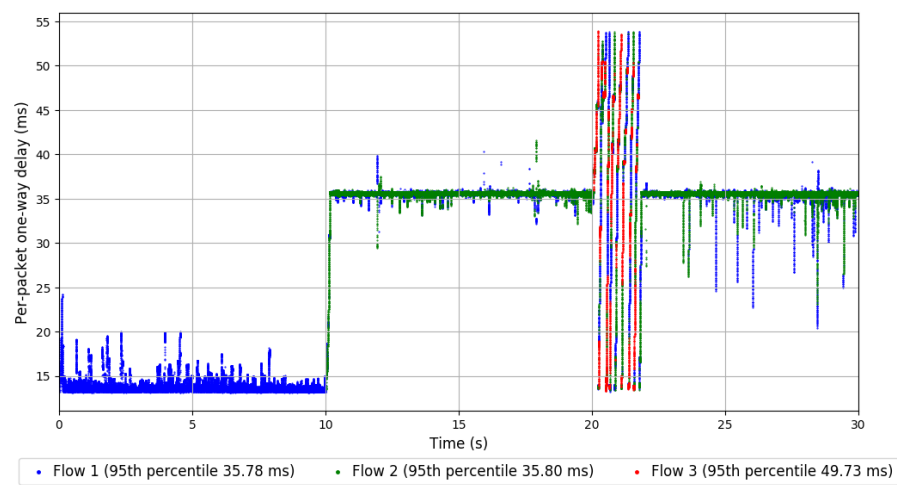
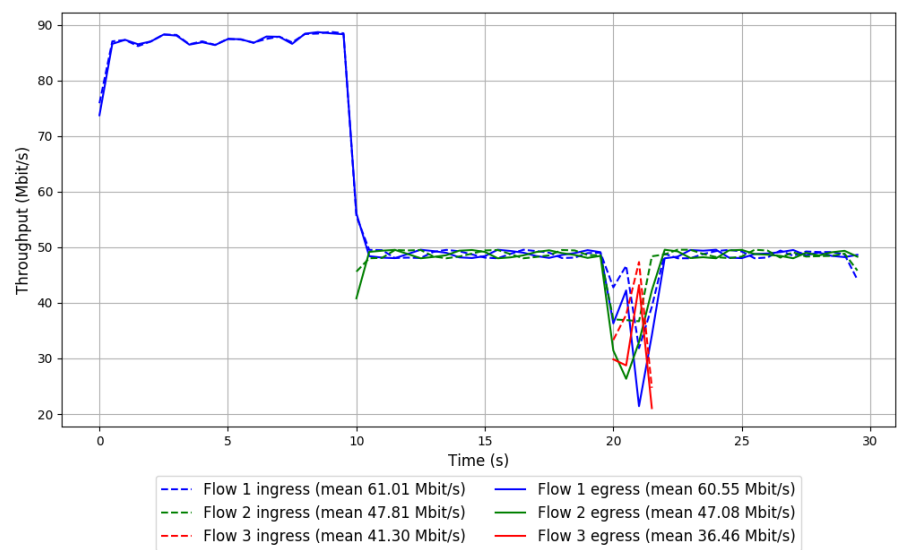
-- Flow 3:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 49.731 ms

Loss rate: 14.25%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 29 Jul 2017 07:33:38 +0000

End at: Sat, 29 Jul 2017 07:34:08 +0000

Local clock offset: 3.934 ms

Remote clock offset: -2.711 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 33.207 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 61.53 Mbit/s

95th percentile per-packet one-way delay: 33.202 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 48.29 Mbit/s

95th percentile per-packet one-way delay: 33.211 ms

Loss rate: 0.37%

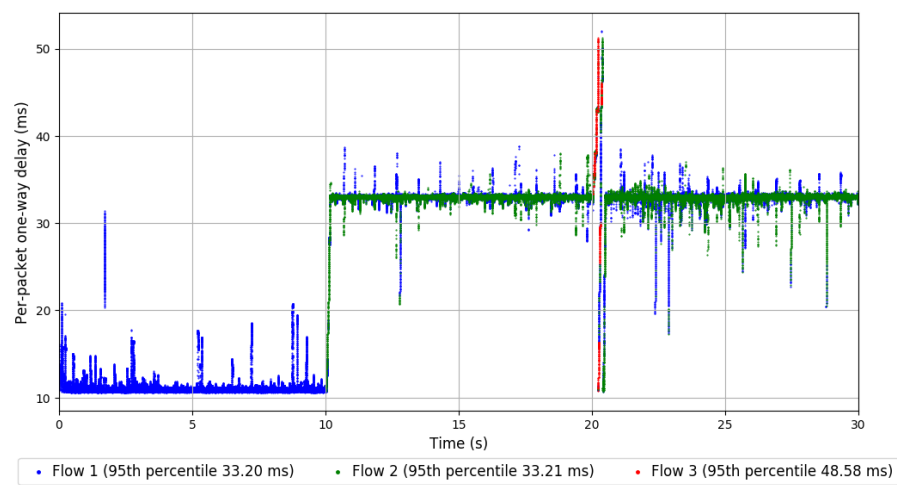
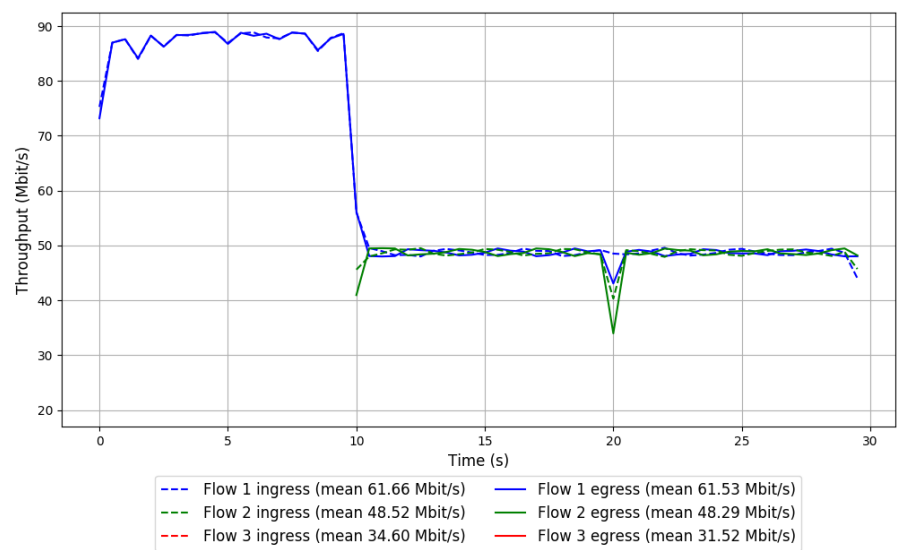
-- Flow 3:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 48.581 ms

Loss rate: 21.04%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 04:31:01 +0000

End at: Sat, 29 Jul 2017 04:31:31 +0000

Local clock offset: -0.909 ms

Remote clock offset: -6.47 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 12.014 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.906 ms

Loss rate: 0.00%

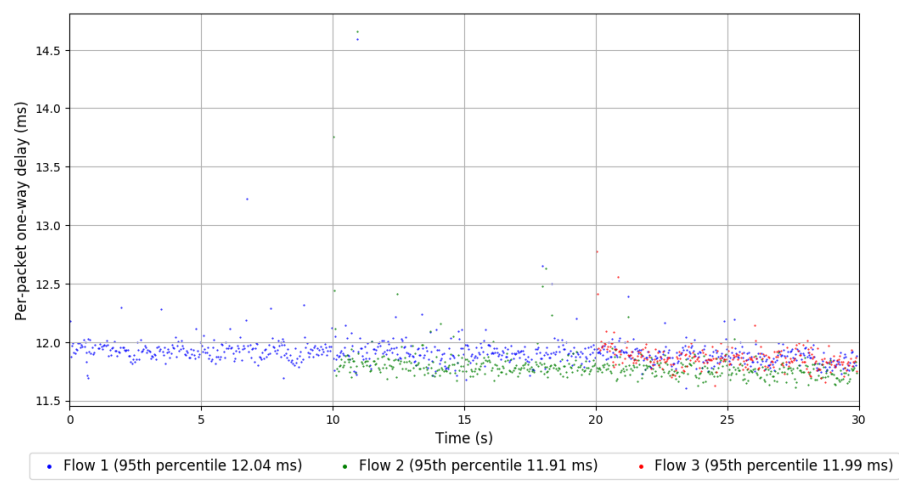
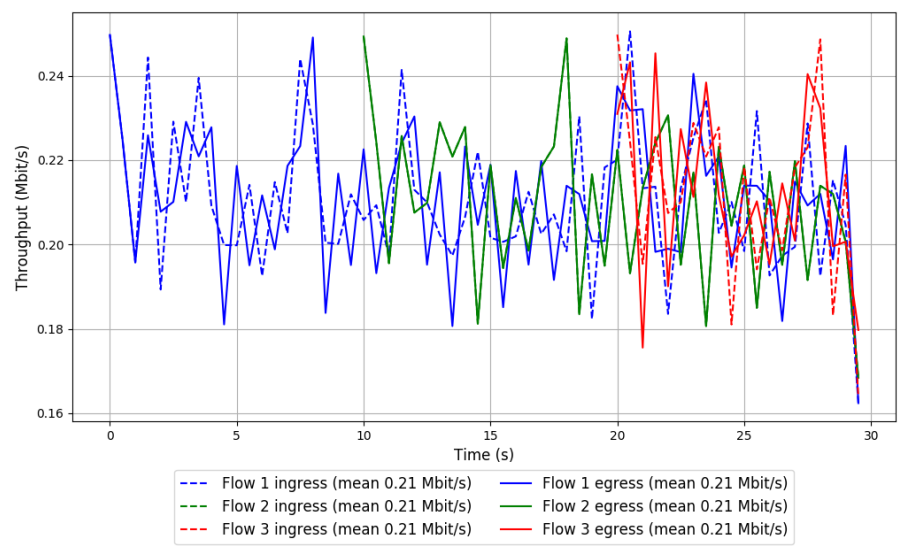
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.990 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 04:52:49 +0000

End at: Sat, 29 Jul 2017 04:53:19 +0000

Local clock offset: 0.375 ms

Remote clock offset: -5.545 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 10.668 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.645 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.697 ms

Loss rate: 0.00%

-- Flow 3:

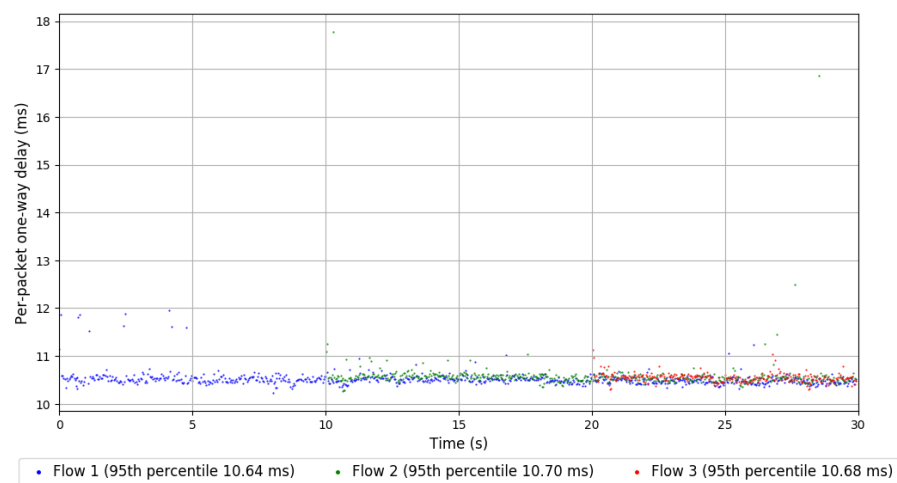
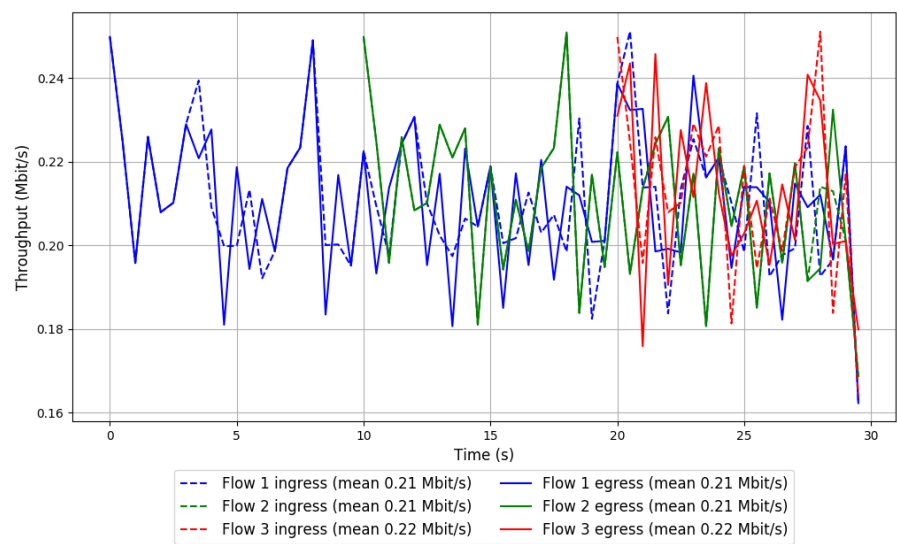
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.675 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: Sat, 29 Jul 2017 05:13:06 +0000

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

Local clock offset: 1.498 ms

Remote clock offset: -4.845 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.466 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.471 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.453 ms

Loss rate: 0.00%

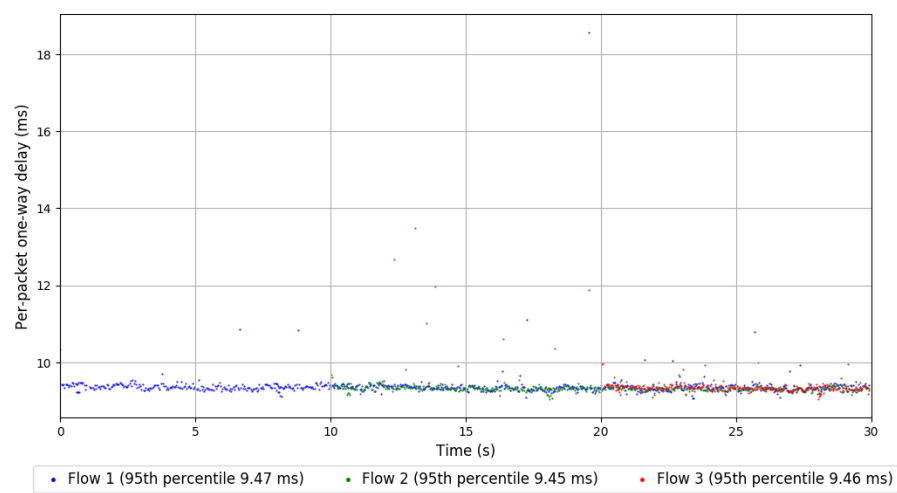
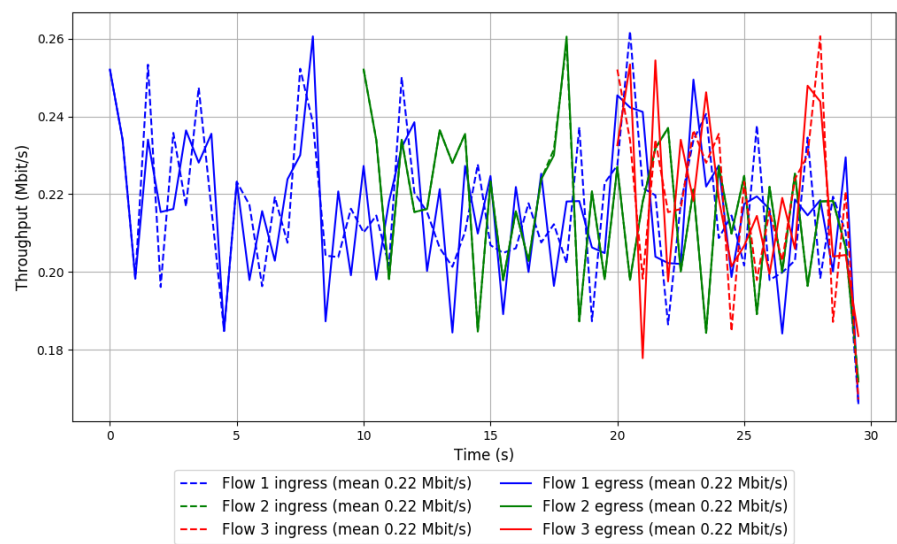
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.458 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 05:32:48 +0000

End at: Sat, 29 Jul 2017 05:33:18 +0000

Local clock offset: 1.486 ms

Remote clock offset: -4.091 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 9.774 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.717 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.796 ms

Loss rate: 0.00%

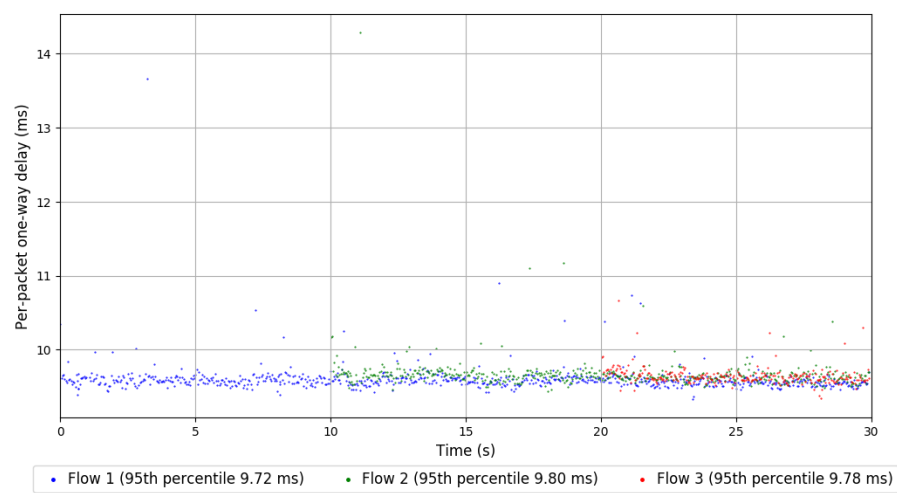
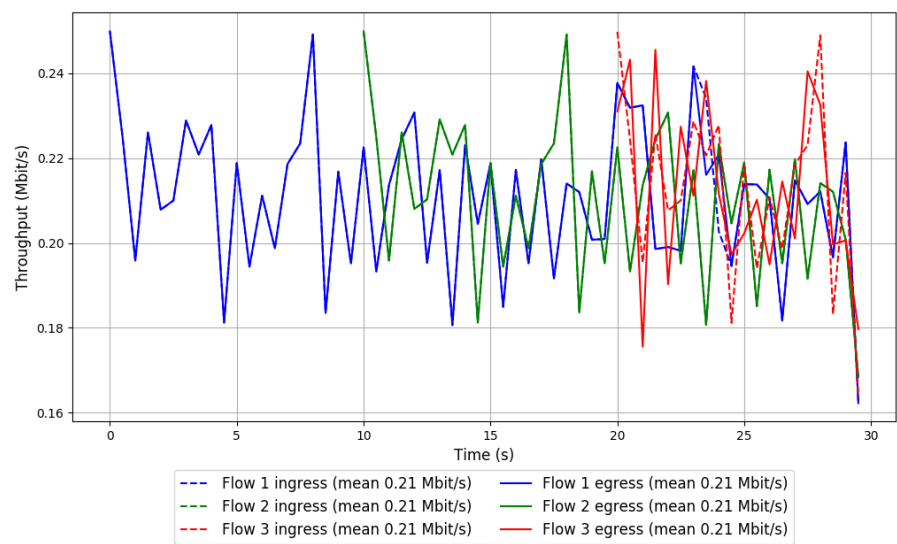
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.779 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 05:52:12 +0000

End at: Sat, 29 Jul 2017 05:52:42 +0000

Local clock offset: -0.815 ms

Remote clock offset: -3.644 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 12.220 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.222 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.208 ms

Loss rate: 0.00%

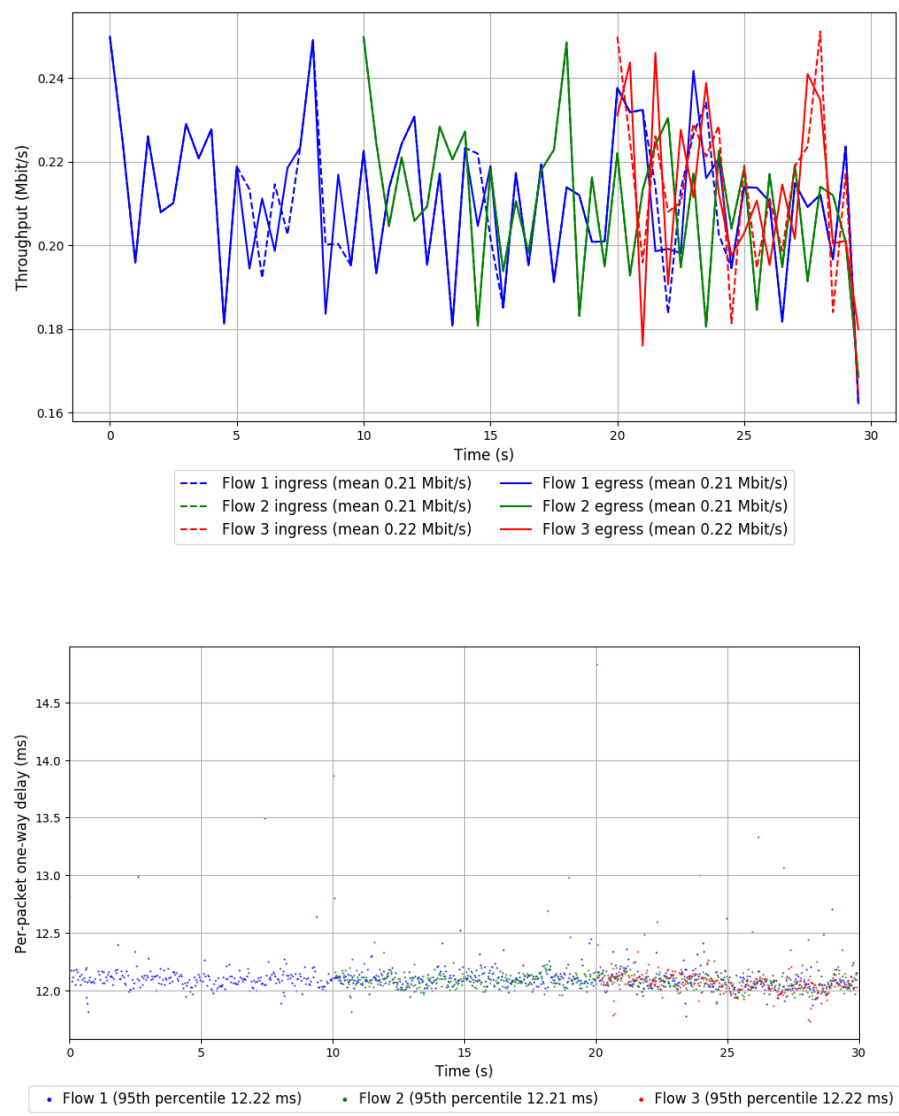
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.222 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:11:53 +0000

End at: Sat, 29 Jul 2017 06:12:23 +0000

Local clock offset: -0.191 ms

Remote clock offset: -2.173 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 13.653 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.654 ms

Loss rate: 0.00%

-- Flow 3:

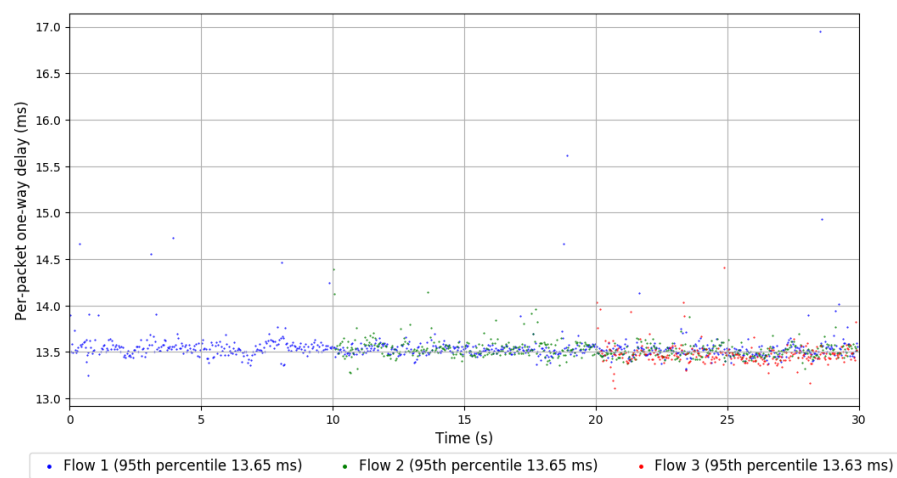
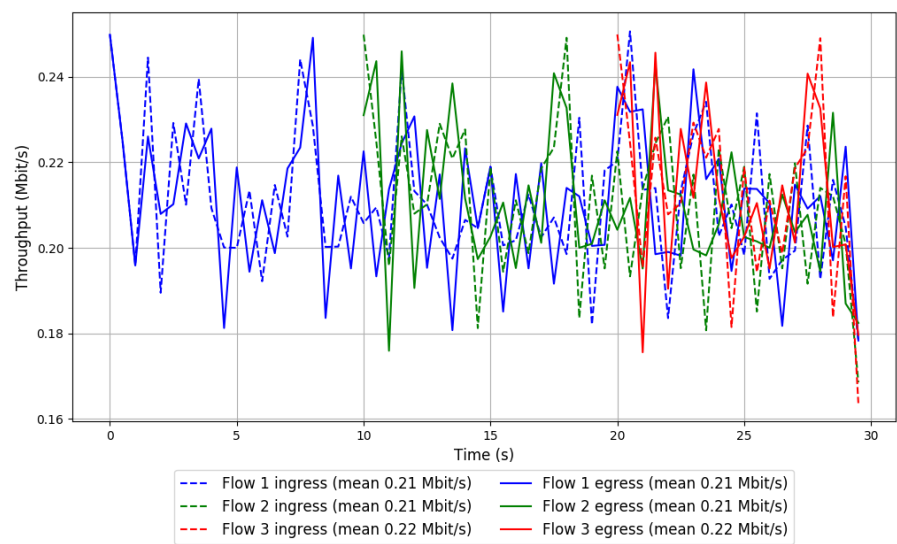
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 13.627 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Sat, 29 Jul 2017 06:31:02 +0000

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

Local clock offset: 2.814 ms

Remote clock offset: -2.382 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 10.839 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.867 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.755 ms

Loss rate: 0.00%

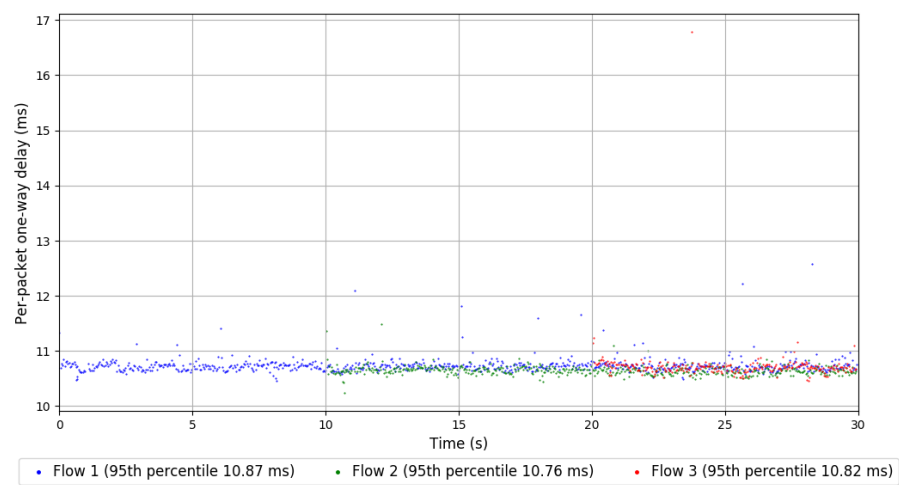
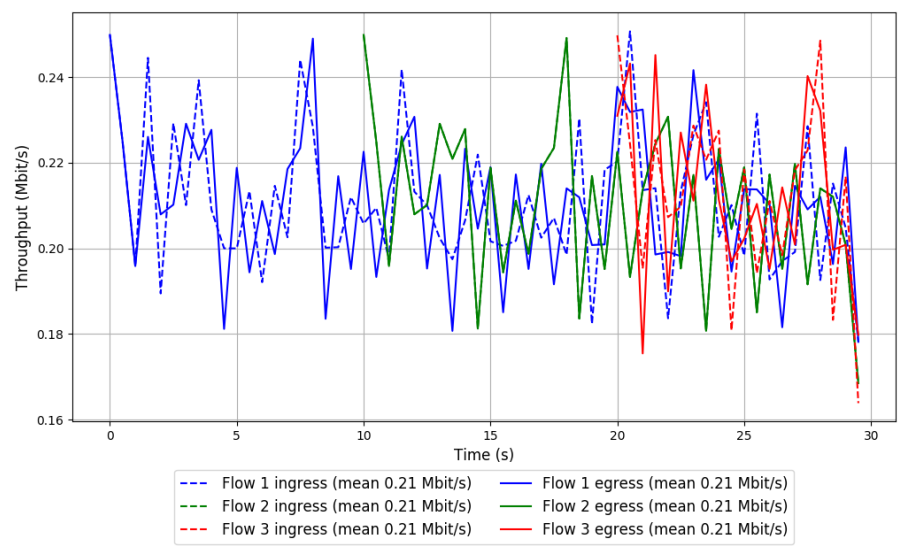
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.824 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 06:50:19 +0000

End at: Sat, 29 Jul 2017 06:50:49 +0000

Local clock offset: 2.489 ms

Remote clock offset: -3.17 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 10.561 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.586 ms

Loss rate: 0.00%

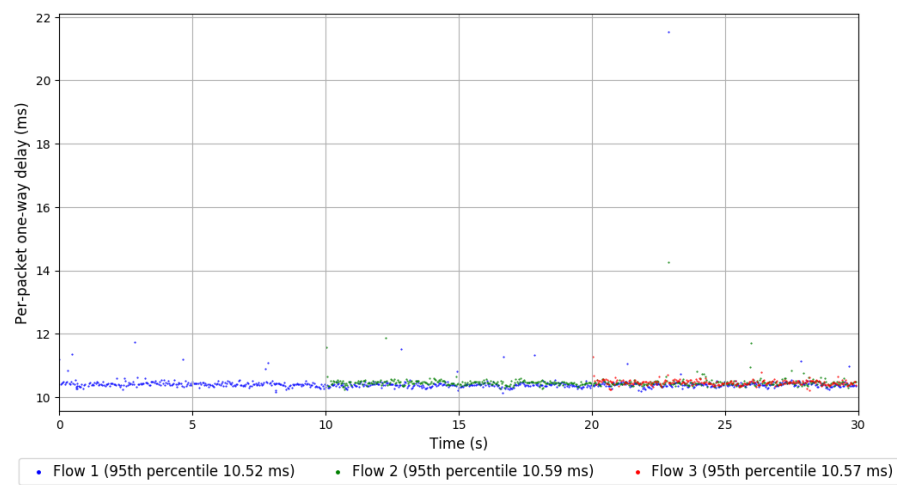
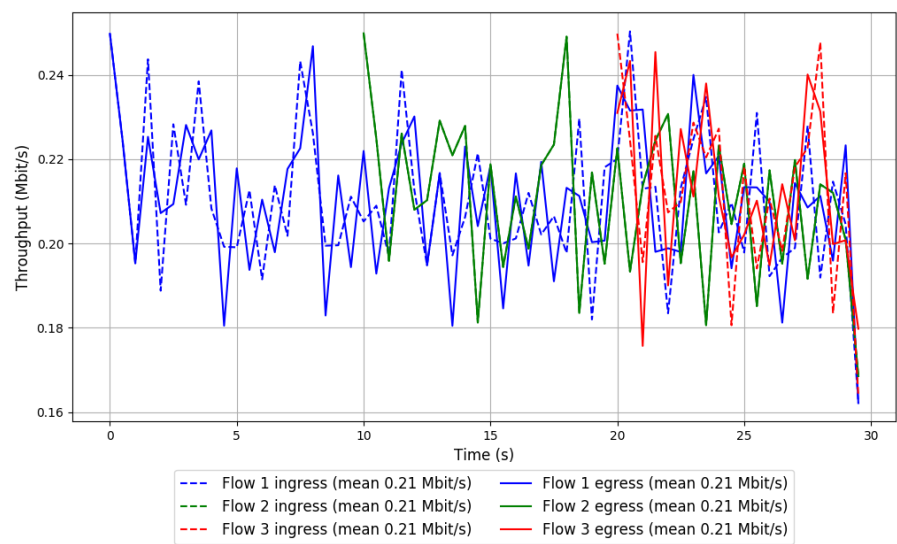
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.574 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sat, 29 Jul 2017 07:09:39 +0000

End at: Sat, 29 Jul 2017 07:10:09 +0000

Local clock offset: 0.668 ms

Remote clock offset: -3.141 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 12.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.743 ms

Loss rate: 0.00%

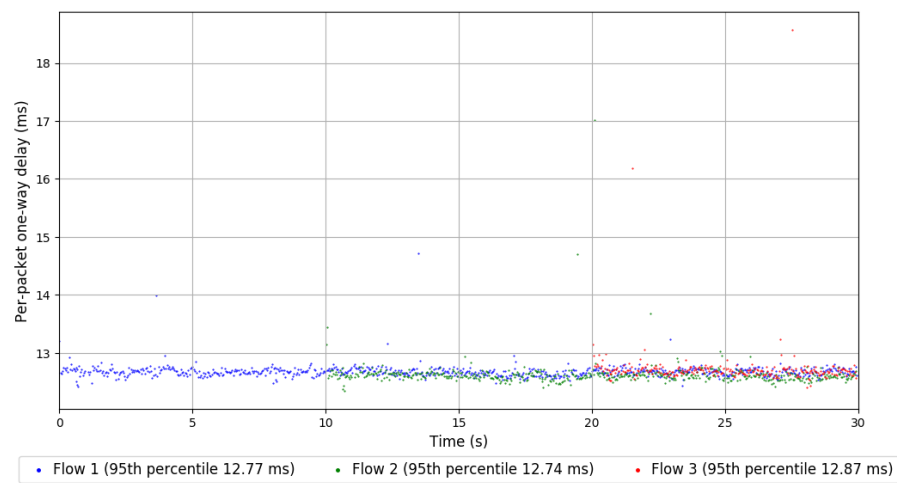
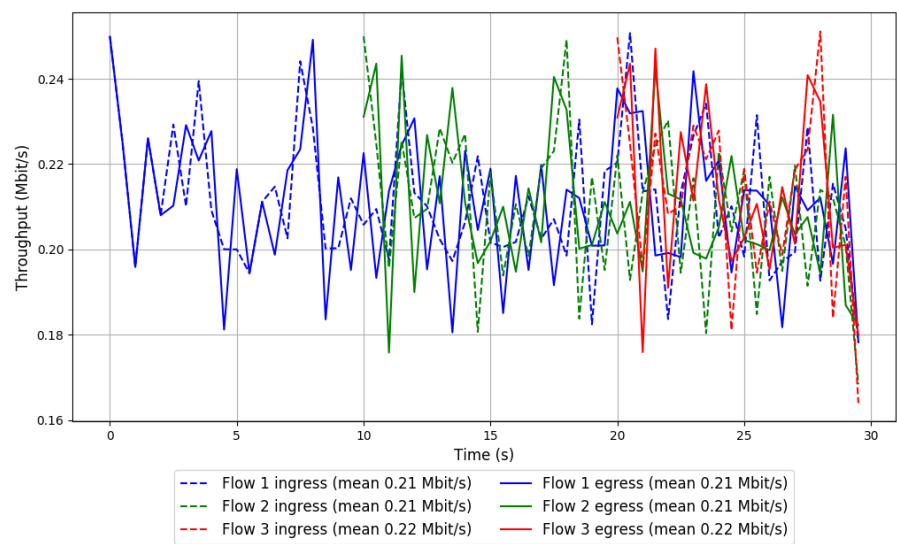
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.871 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sat, 29 Jul 2017 07:28:32 +0000

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

Local clock offset: 4.228 ms

Remote clock offset: -3.276 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 9.709 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.697 ms

Loss rate: 0.00%

-- Flow 3:

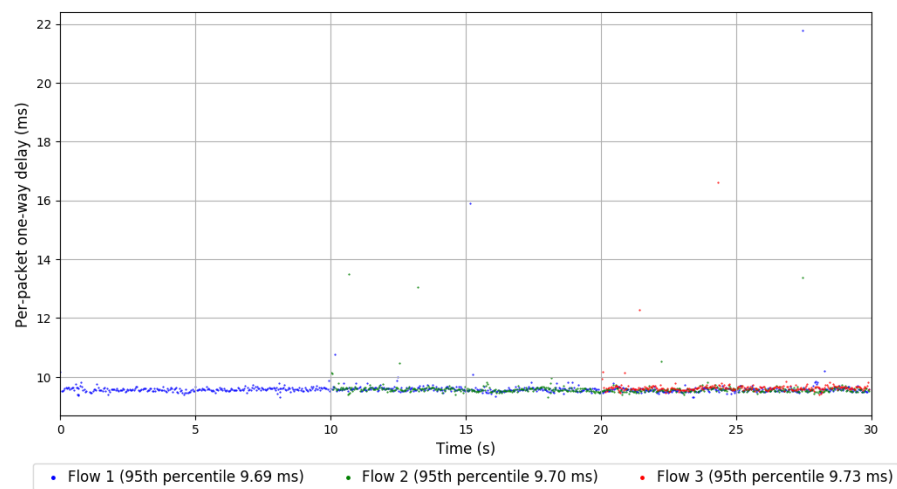
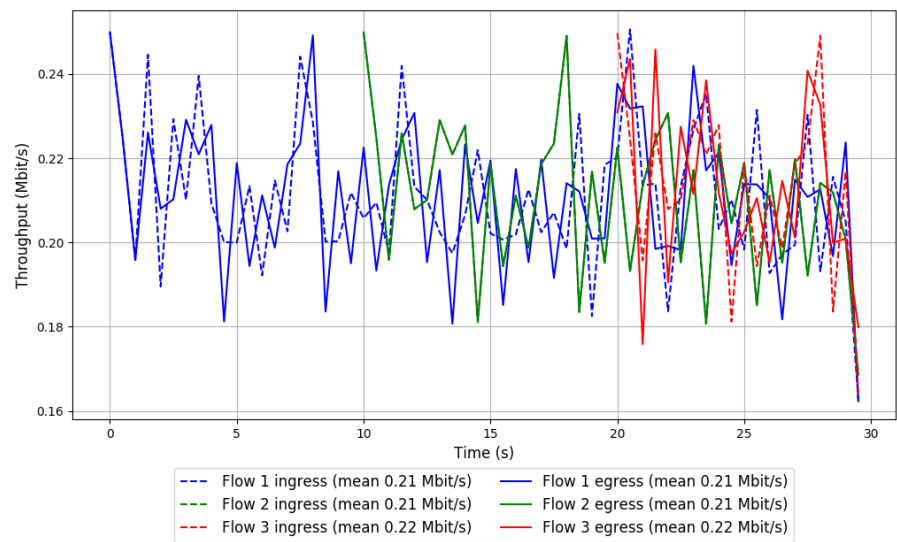
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.735 ms

Loss rate: 0.00%



Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:21:19 +0000

End at: Sat, 29 Jul 2017 04:21:49 +0000

Local clock offset: 2.015 ms

Remote clock offset: -7.05 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 18.220 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.18 Mbit/s

95th percentile per-packet one-way delay: 18.619 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 17.330 ms

Loss rate: 0.00%

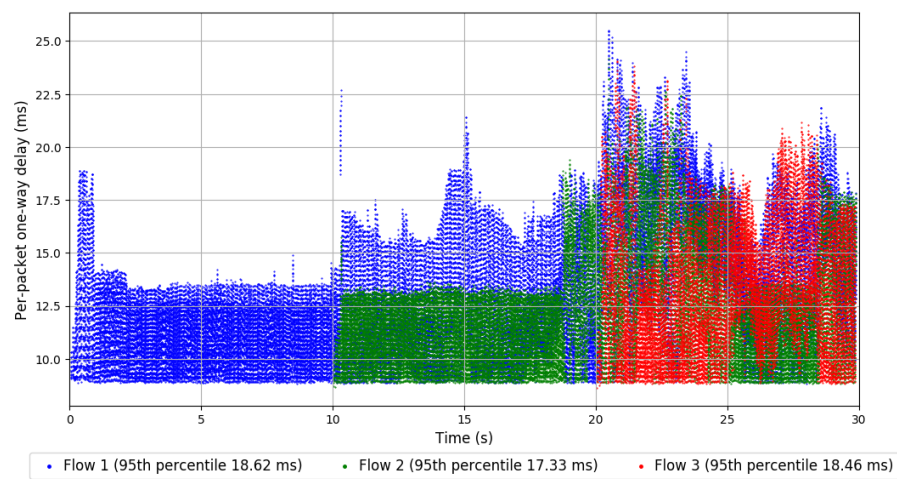
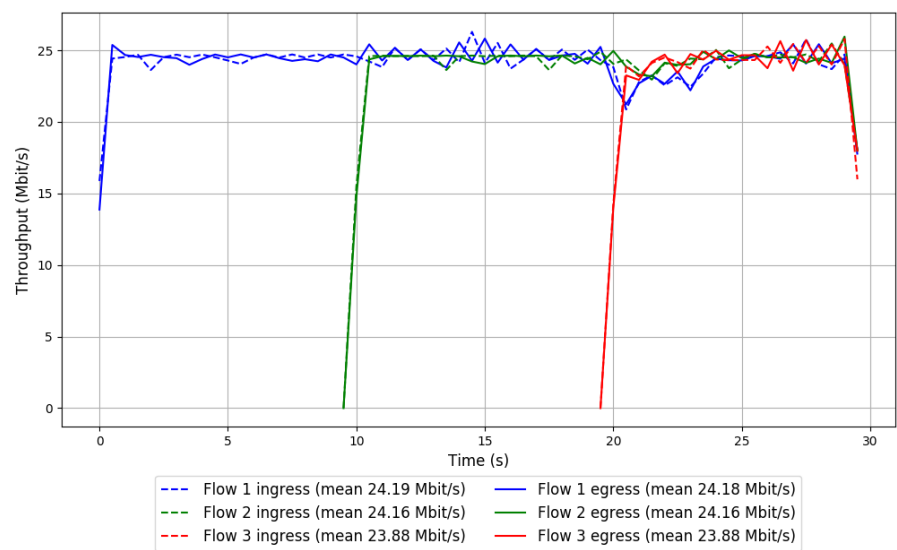
-- Flow 3:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 18.461 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 29 Jul 2017 04:42:13 +0000

End at: Sat, 29 Jul 2017 04:42:43 +0000

Local clock offset: -1.215 ms

Remote clock offset: -7.274 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.48 Mbit/s

95th percentile per-packet one-way delay: 18.766 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 18.762 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 18.367 ms

Loss rate: 0.28%

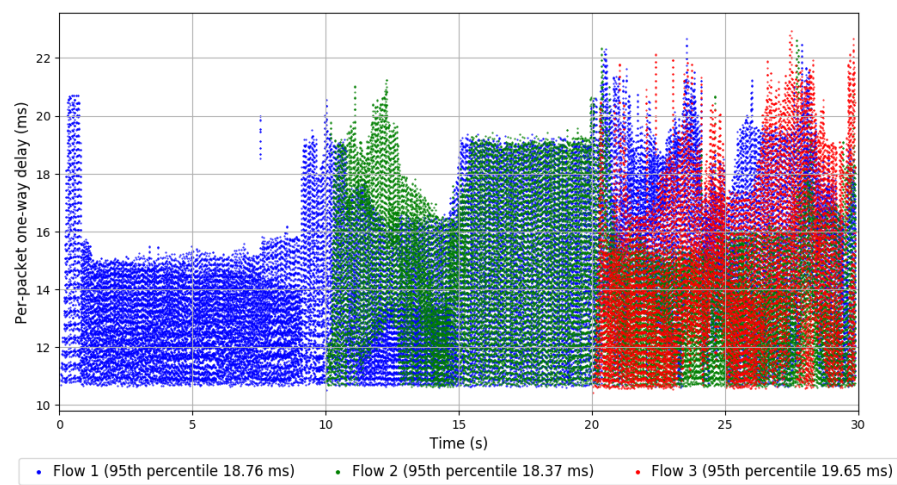
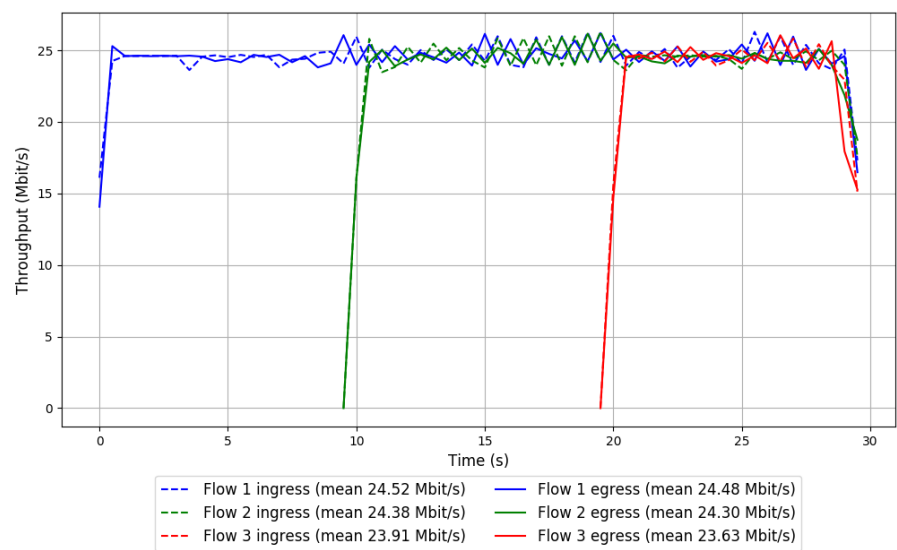
-- Flow 3:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 19.648 ms

Loss rate: 1.09%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:03:56 +0000

End at: Sat, 29 Jul 2017 05:04:26 +0000

Local clock offset: -1.025 ms

Remote clock offset: -5.165 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 19.539 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 19.261 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 20.079 ms

Loss rate: 0.00%

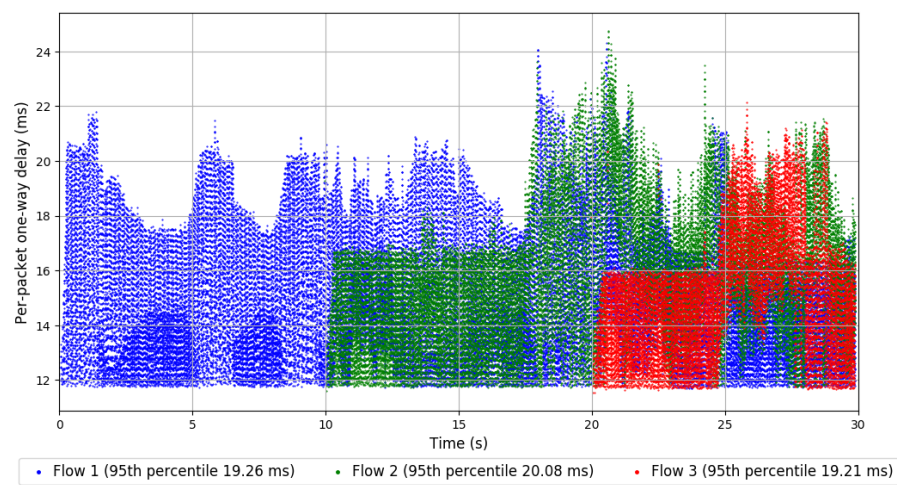
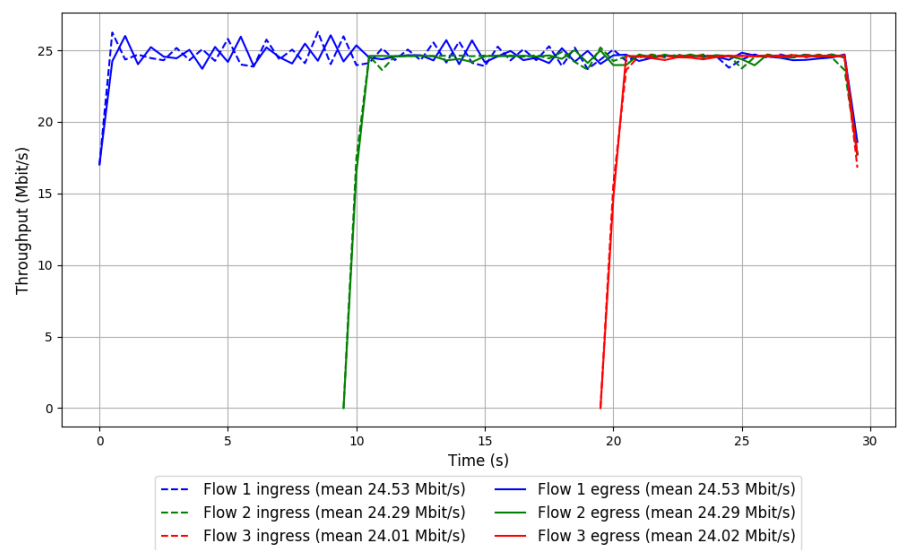
-- Flow 3:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 19.214 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:23:39 +0000

End at: Sat, 29 Jul 2017 05:24:09 +0000

Local clock offset: -1.298 ms

Remote clock offset: -4.596 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 20.201 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 20.213 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 20.195 ms

Loss rate: 0.00%

-- Flow 3:

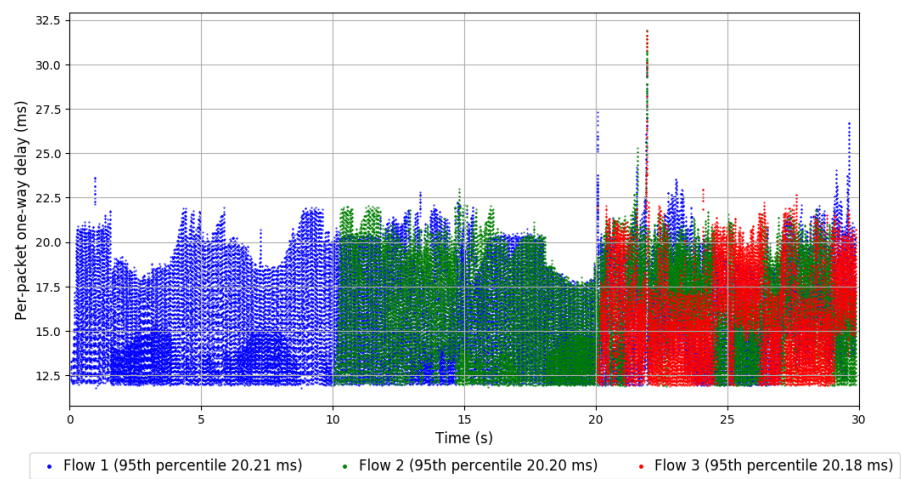
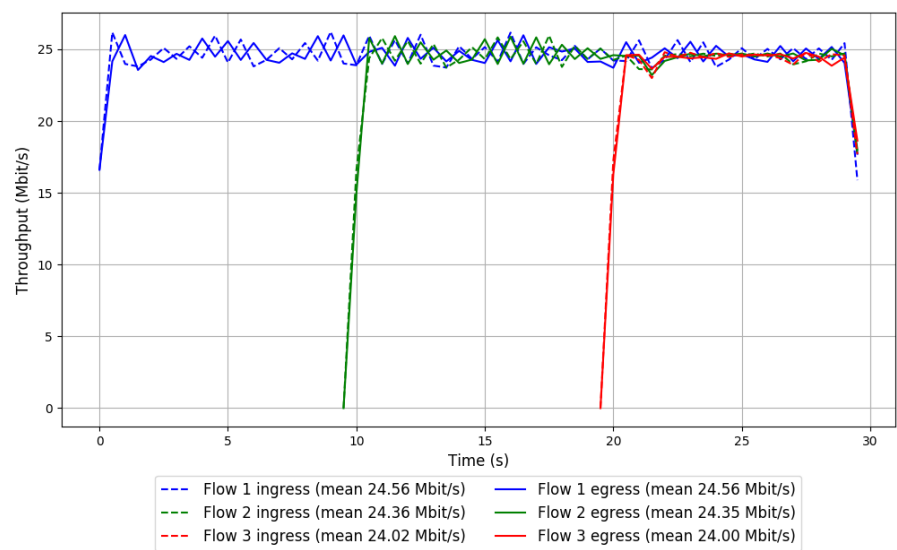
Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 20.178 ms

Loss rate: 0.00%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 29 Jul 2017 05:43:19 +0000

End at: Sat, 29 Jul 2017 05:43:49 +0000

Local clock offset: 1.309 ms

Remote clock offset: -4.415 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 18.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 18.337 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 17.258 ms

Loss rate: 0.00%

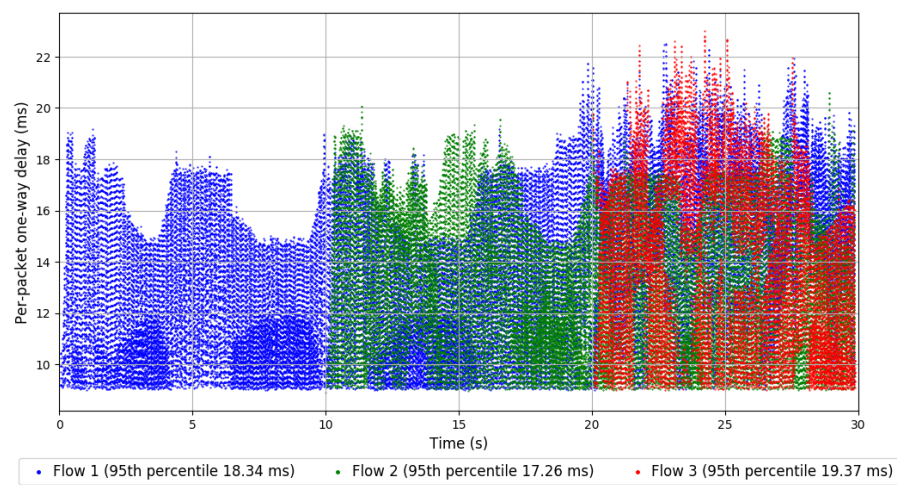
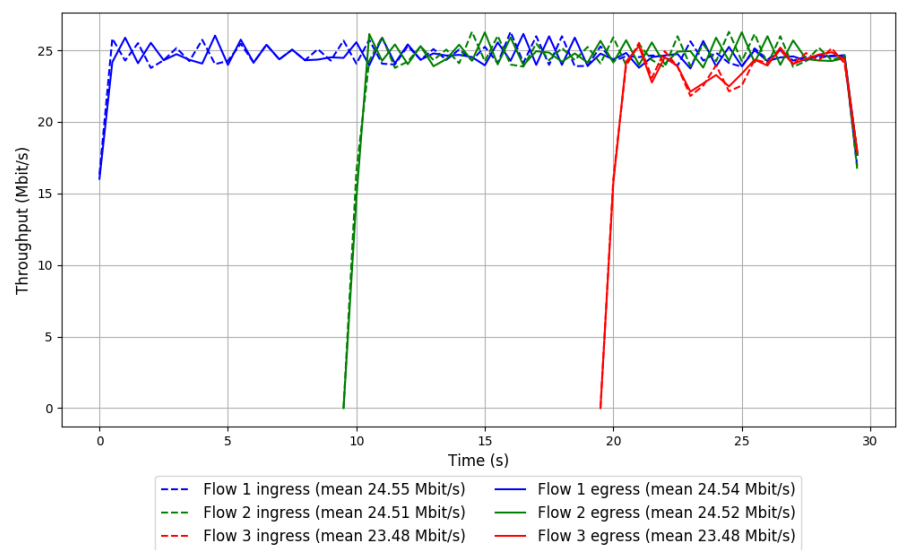
-- Flow 3:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 19.374 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:02:20 +0000

End at: Sat, 29 Jul 2017 06:02:51 +0000

Local clock offset: -0.932 ms

Remote clock offset: -2.728 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.32 Mbit/s

95th percentile per-packet one-way delay: 22.045 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 22.329 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 21.783 ms

Loss rate: 0.01%

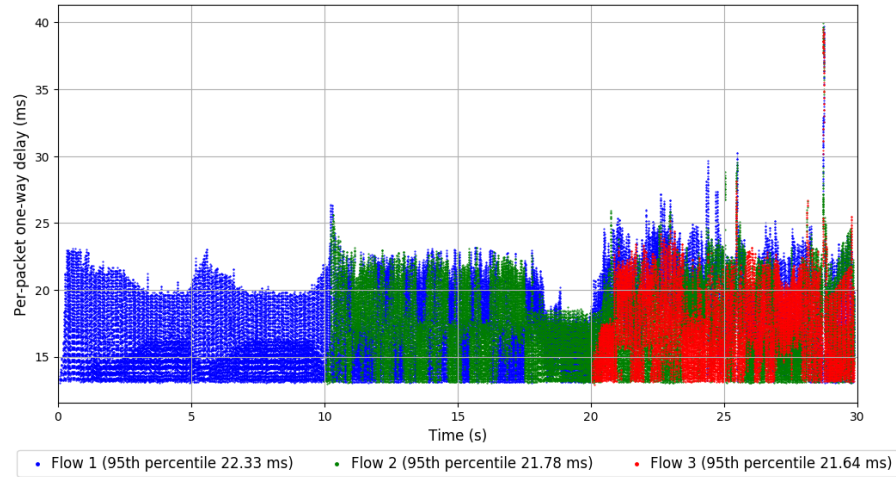
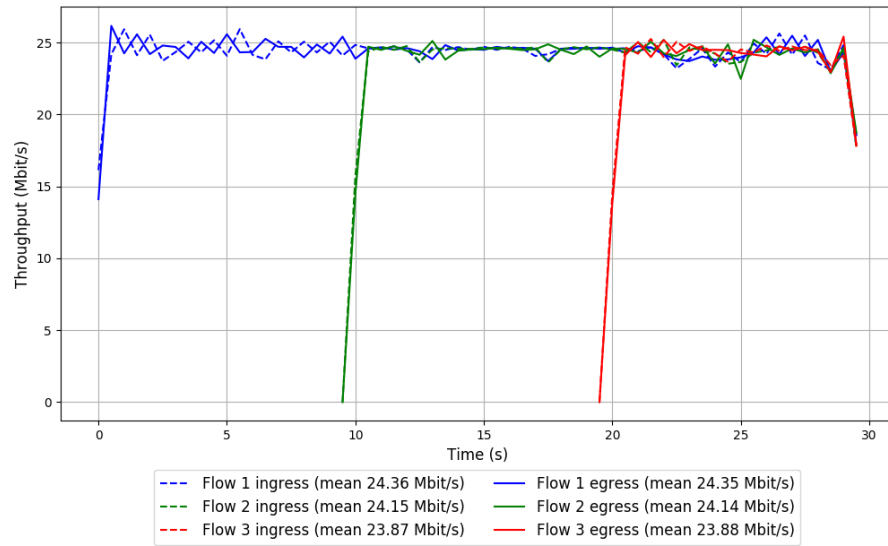
-- Flow 3:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 21.640 ms

Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:22:02 +0000

End at: Sat, 29 Jul 2017 06:22:32 +0000

Local clock offset: 2.578 ms

Remote clock offset: -2.872 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 18.564 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 18.137 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 19.059 ms

Loss rate: 0.00%

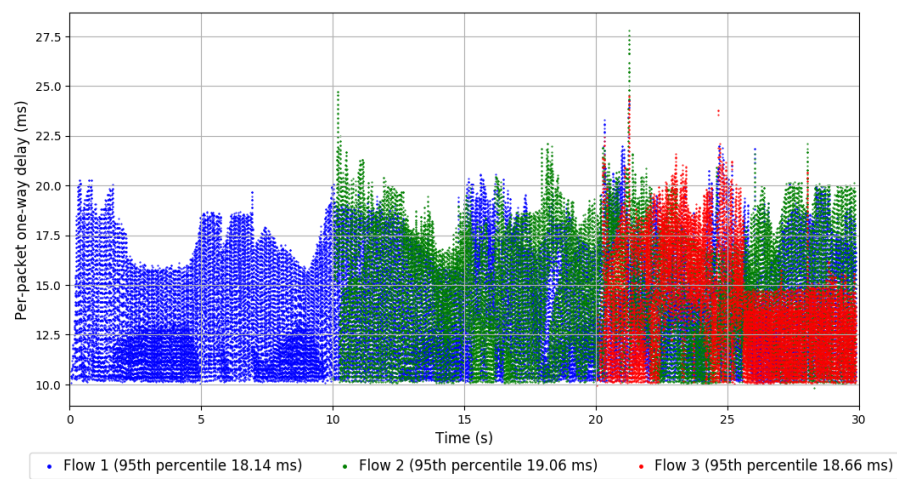
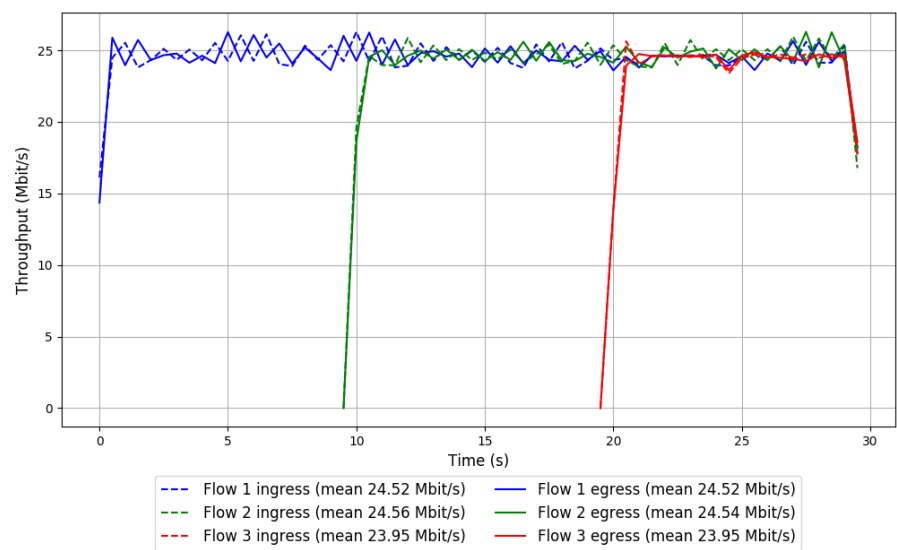
-- Flow 3:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 18.662 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 29 Jul 2017 06:41:13 +0000

End at: Sat, 29 Jul 2017 06:41:43 +0000

Local clock offset: 2.133 ms

Remote clock offset: -2.511 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 20.137 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 19.700 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.16 Mbit/s

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

Loss rate: 0.00%

-- Flow 3:

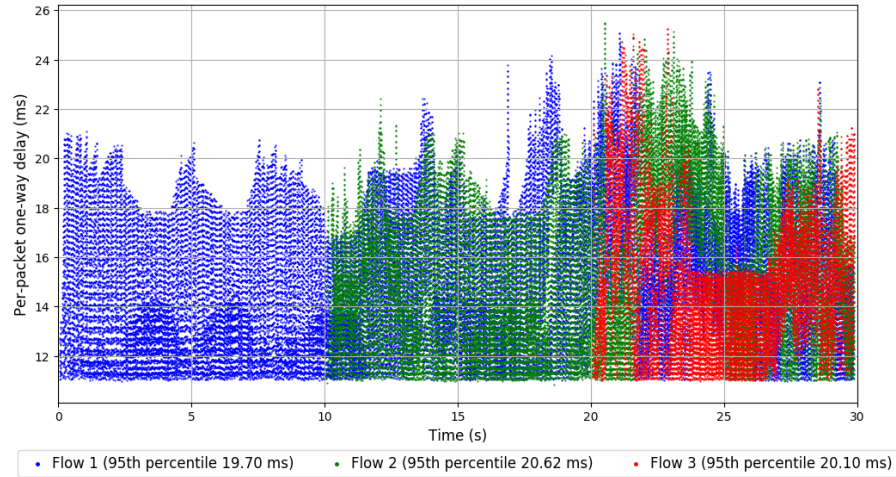
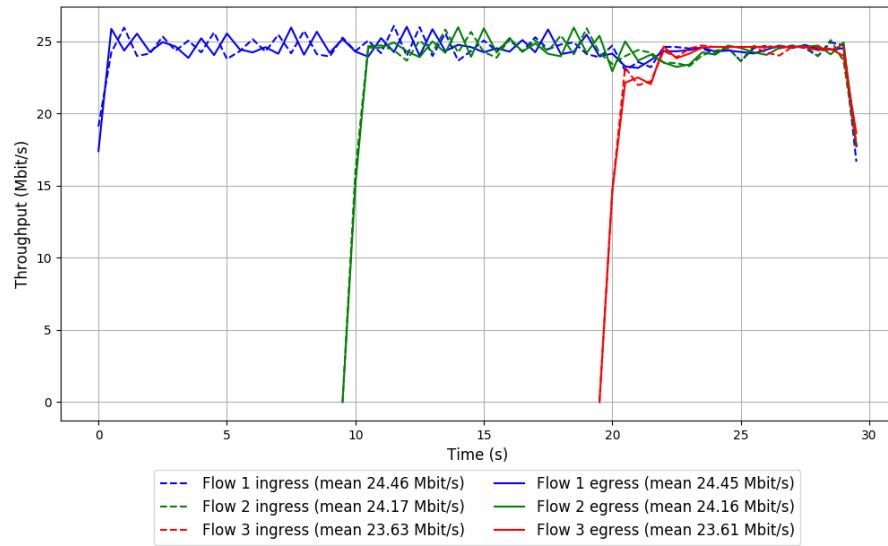
Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 20.101 ms

Loss rate: 0.00%



## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:00:38 +0000

End at: Sat, 29 Jul 2017 07:01:08 +0000

Local clock offset: 1.658 ms

Remote clock offset: -2.878 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 20.094 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 18.702 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 20.856 ms

Loss rate: 0.00%

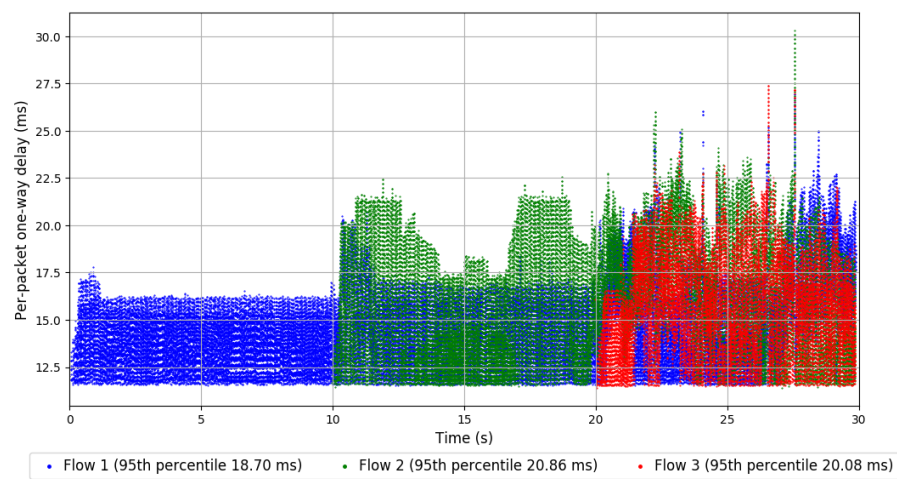
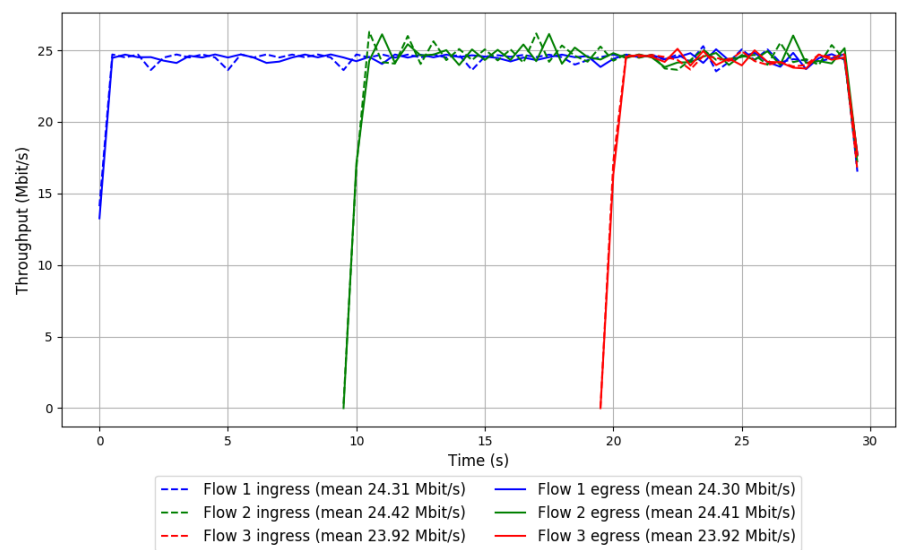
-- Flow 3:

Average throughput: 23.92 Mbit/s

95th percentile per-packet one-way delay: 20.080 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 29 Jul 2017 07:19:59 +0000

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

Local clock offset: 1.937 ms

Remote clock offset: -3.9 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.67 Mbit/s

95th percentile per-packet one-way delay: 19.673 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 19.124 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 19.812 ms

Loss rate: 0.00%

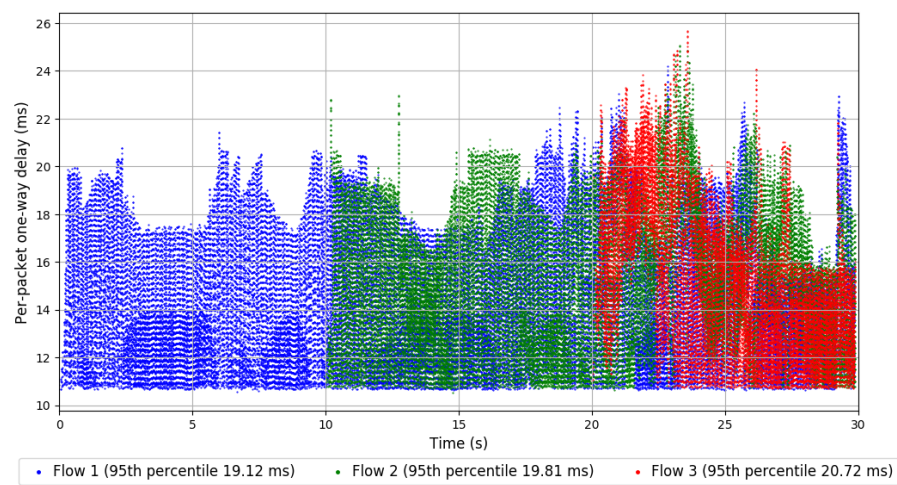
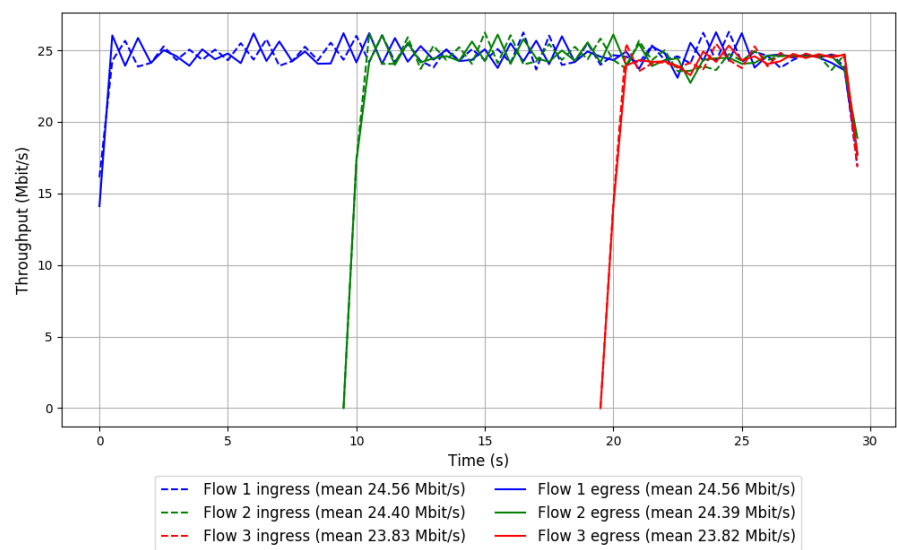
-- Flow 3:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 20.724 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:32:08 +0000

End at: Sat, 29 Jul 2017 04:32:38 +0000

Local clock offset: 2.778 ms

Remote clock offset: -5.693 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:24:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 40.902 ms

Loss rate: 8.10%

-- Flow 1:

Average throughput: 56.95 Mbit/s

95th percentile per-packet one-way delay: 38.471 ms

Loss rate: 5.89%

-- Flow 2:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 42.890 ms

Loss rate: 12.54%

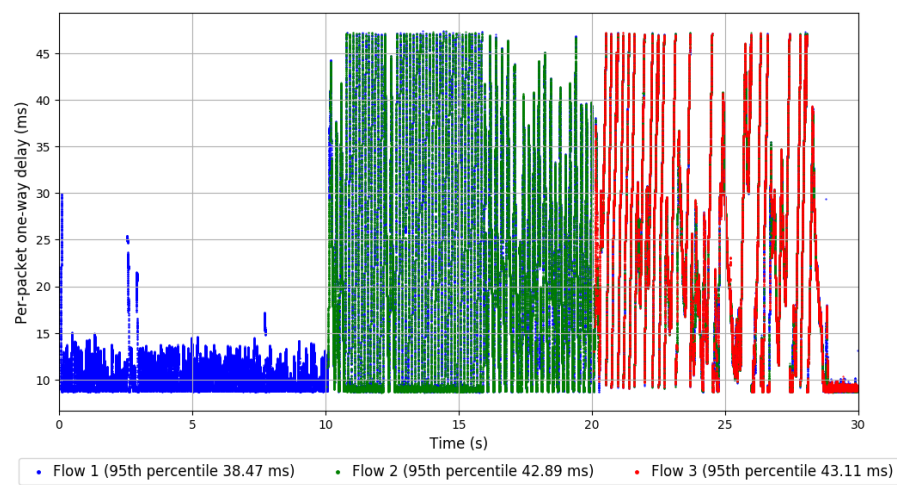
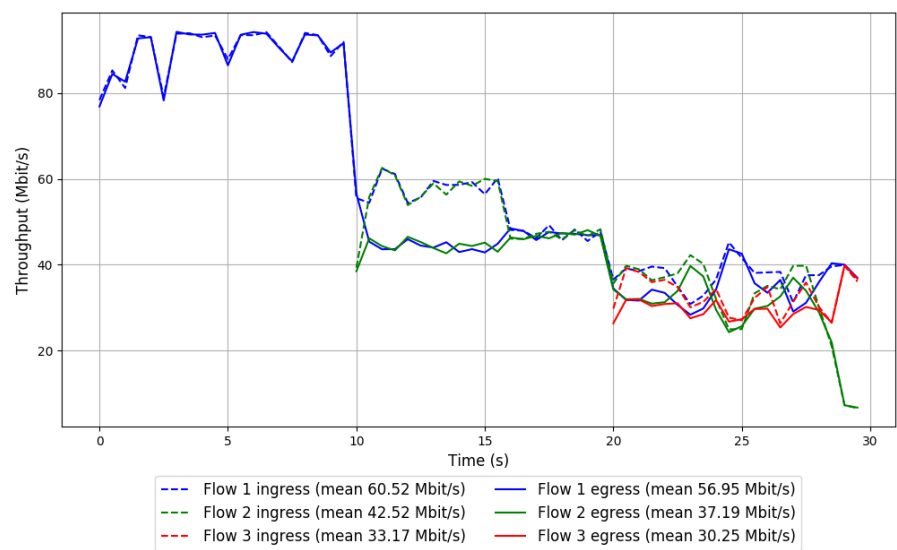
-- Flow 3:

Average throughput: 30.25 Mbit/s

95th percentile per-packet one-way delay: 43.110 ms

Loss rate: 8.81%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 04:53:55 +0000

End at: Sat, 29 Jul 2017 04:54:25 +0000

Local clock offset: 0.832 ms

Remote clock offset: -5.633 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:25:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 36.609 ms

Loss rate: 3.57%

-- Flow 1:

Average throughput: 60.63 Mbit/s

95th percentile per-packet one-way delay: 33.720 ms

Loss rate: 2.67%

-- Flow 2:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 39.781 ms

Loss rate: 5.61%

-- Flow 3:

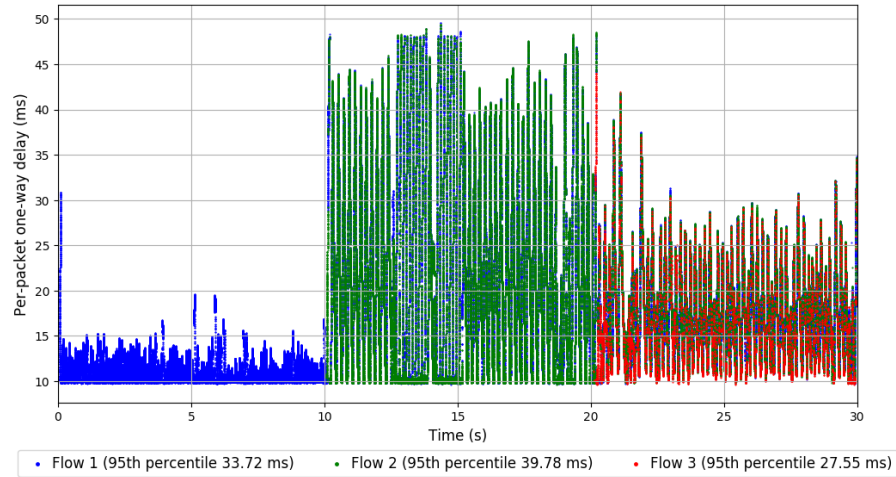
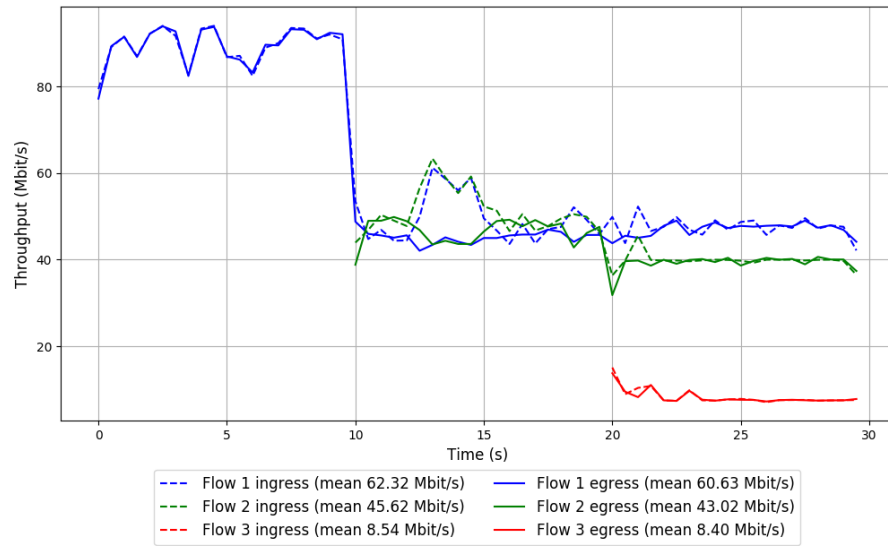
Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 27.550 ms

Loss rate: 1.45%



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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:14:13 +0000

End at: Sat, 29 Jul 2017 05:14:43 +0000

Local clock offset: 1.394 ms

Remote clock offset: -4.949 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:25:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 37.578 ms

Loss rate: 5.10%

-- Flow 1:

Average throughput: 60.44 Mbit/s

95th percentile per-packet one-way delay: 36.401 ms

Loss rate: 3.74%

-- Flow 2:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 38.971 ms

Loss rate: 7.59%

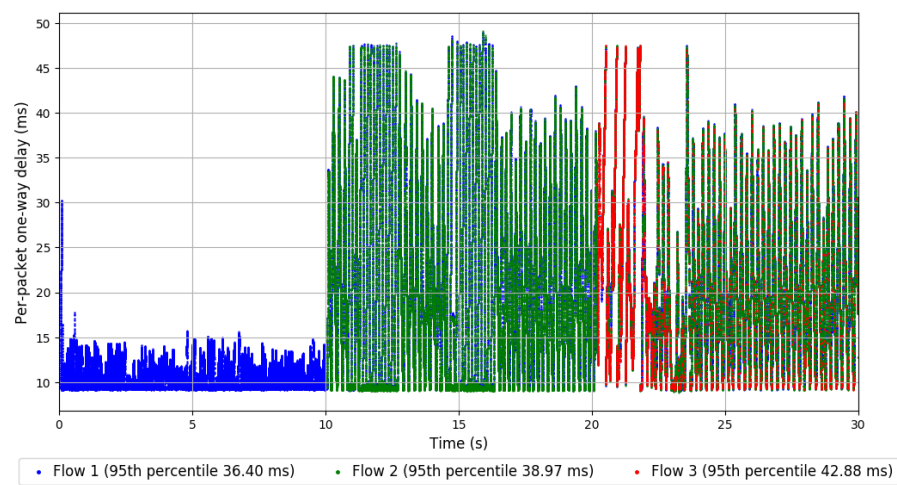
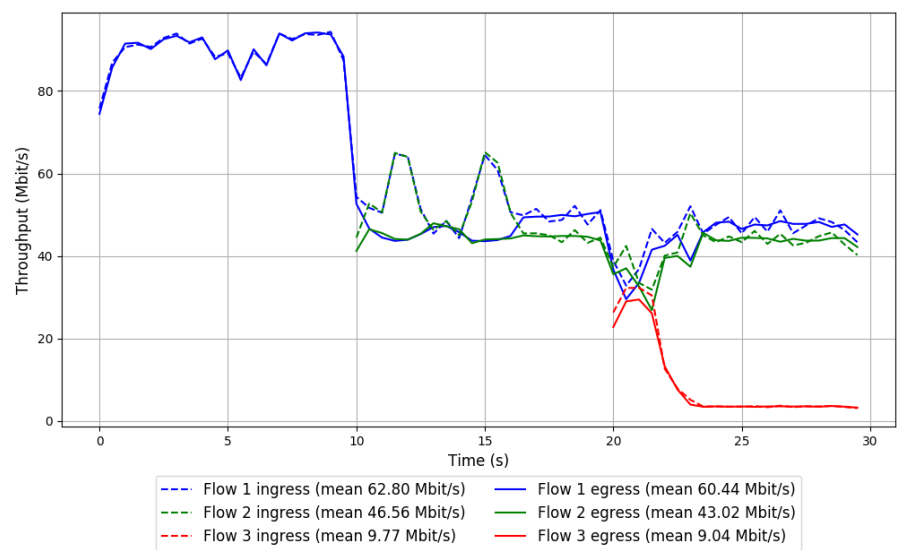
-- Flow 3:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 42.878 ms

Loss rate: 7.66%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:33:54 +0000

End at: Sat, 29 Jul 2017 05:34:24 +0000

Local clock offset: 0.008 ms

Remote clock offset: -3.503 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:25:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.77 Mbit/s

95th percentile per-packet one-way delay: 41.765 ms

Loss rate: 6.05%

-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 40.592 ms

Loss rate: 4.70%

-- Flow 2:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 43.476 ms

Loss rate: 8.76%

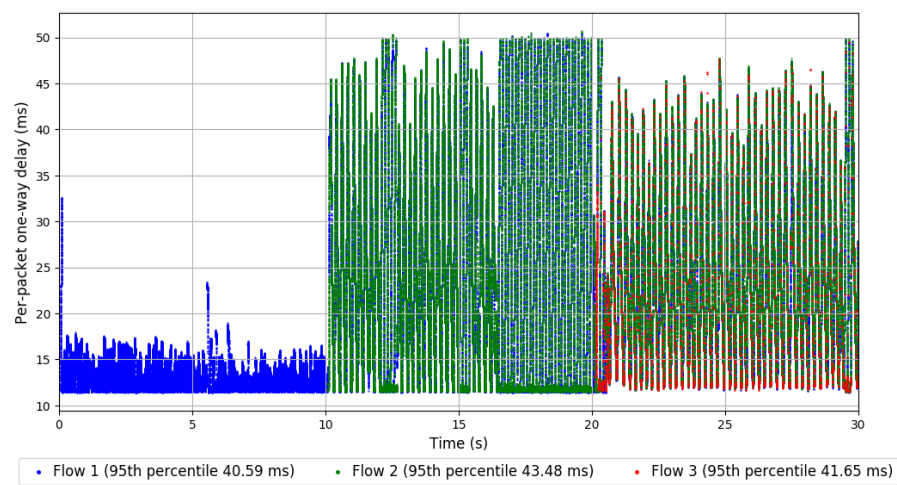
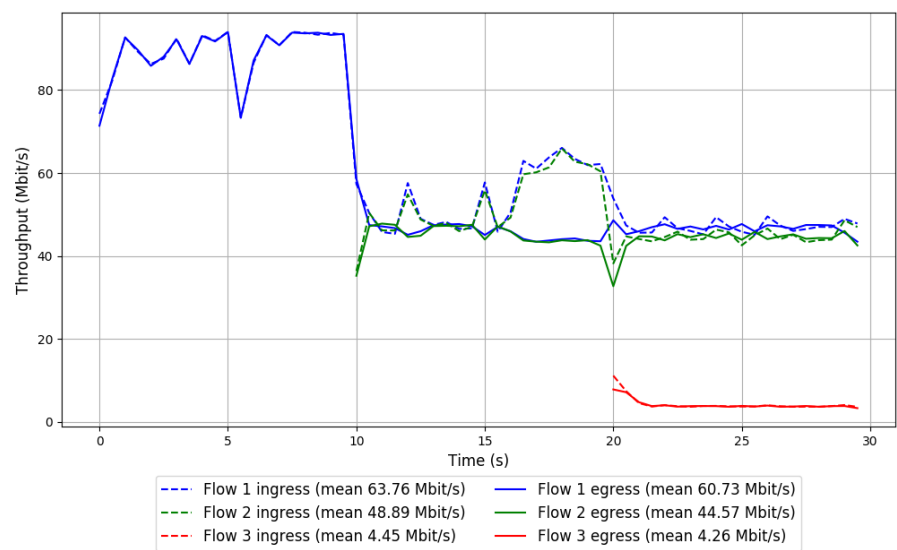
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 41.645 ms

Loss rate: 4.30%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 05:53:18 +0000

End at: Sat, 29 Jul 2017 05:53:48 +0000

Local clock offset: 0.93 ms

Remote clock offset: -2.817 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:25:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 42.445 ms

Loss rate: 6.06%

-- Flow 1:

Average throughput: 61.75 Mbit/s

95th percentile per-packet one-way delay: 40.980 ms

Loss rate: 4.51%

-- Flow 2:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 43.932 ms

Loss rate: 8.98%

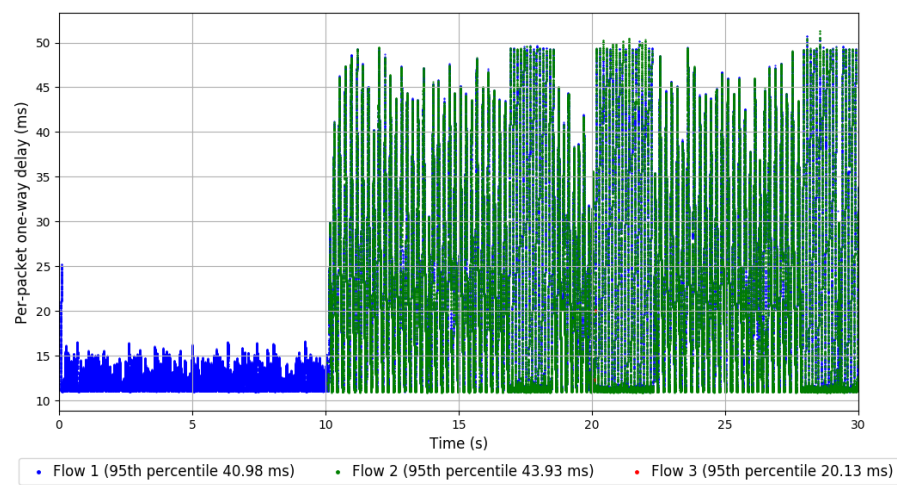
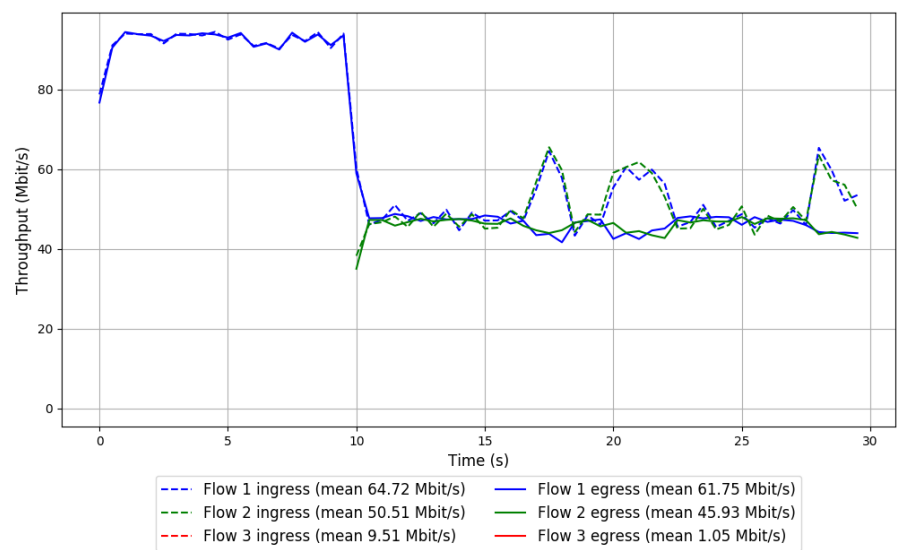
-- Flow 3:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 20.129 ms

Loss rate: 94.00%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:12:59 +0000

End at: Sat, 29 Jul 2017 06:13:29 +0000

Local clock offset: 1.305 ms

Remote clock offset: -2.335 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:25:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 40.051 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 39.178 ms

Loss rate: 2.05%

-- Flow 2:

Average throughput: 46.97 Mbit/s

95th percentile per-packet one-way delay: 41.902 ms

Loss rate: 3.39%

-- Flow 3:

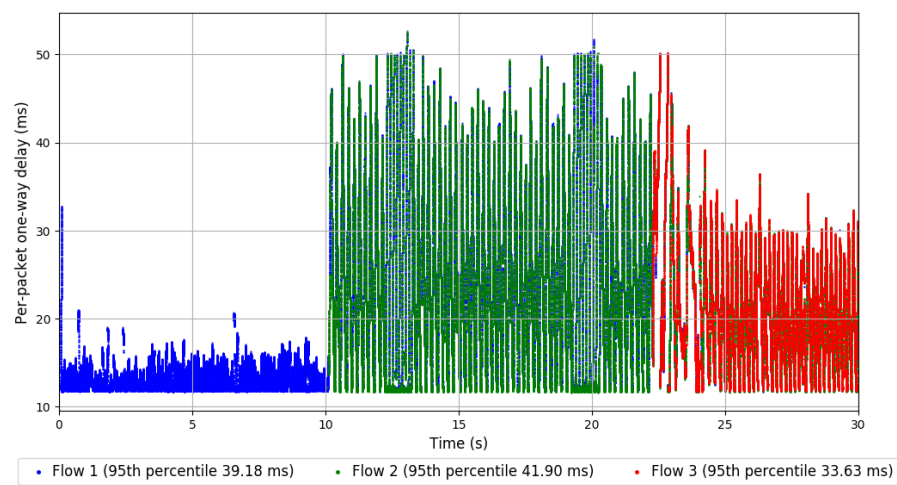
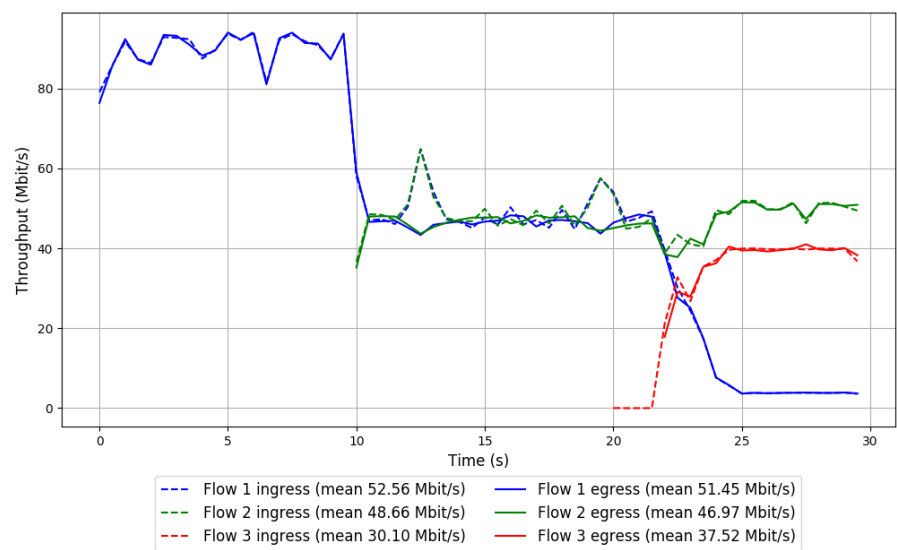
Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 33.633 ms

Loss rate: 0.89%



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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:32:07 +0000

End at: Sat, 29 Jul 2017 06:32:37 +0000

Local clock offset: -0.12 ms

Remote clock offset: -2.873 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 44.275 ms

Loss rate: 9.56%

-- Flow 1:

Average throughput: 52.13 Mbit/s

95th percentile per-packet one-way delay: 41.687 ms

Loss rate: 6.75%

-- Flow 2:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 46.239 ms

Loss rate: 14.58%

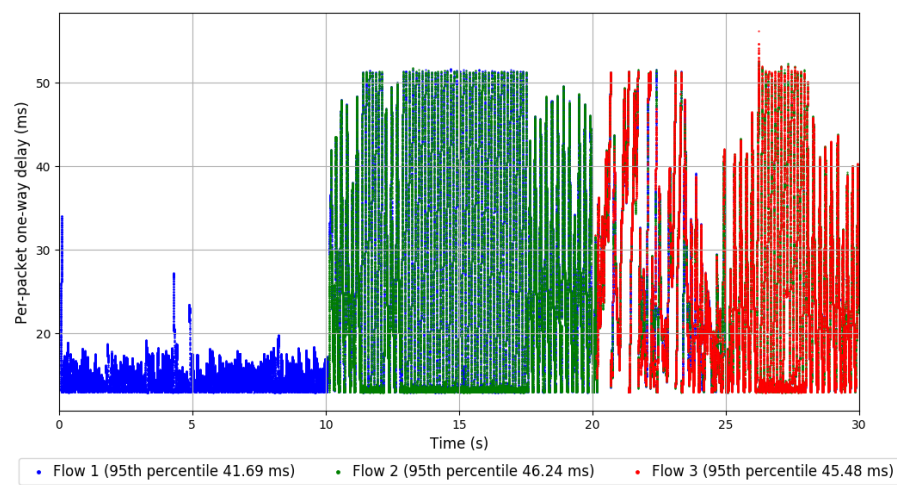
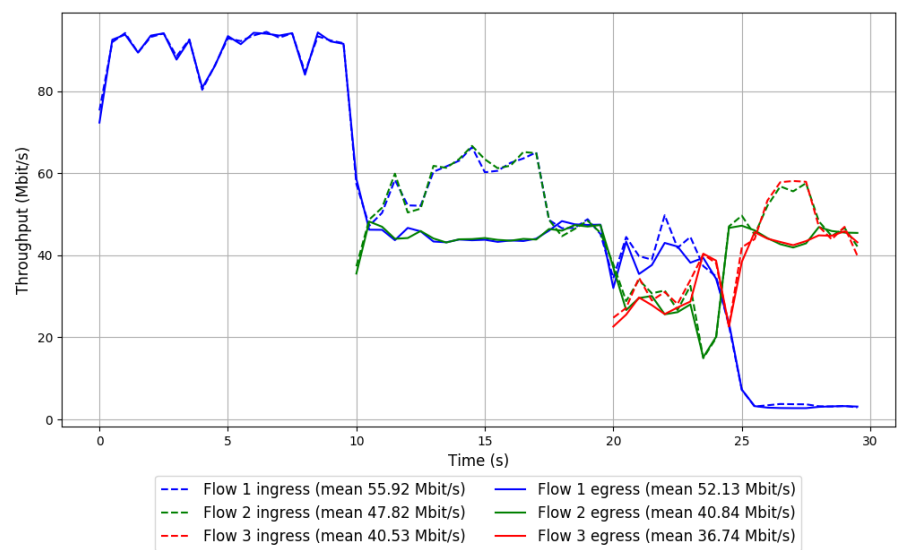
-- Flow 3:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 45.484 ms

Loss rate: 9.42%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 06:51:25 +0000

End at: Sat, 29 Jul 2017 06:51:55 +0000

Local clock offset: 2.332 ms

Remote clock offset: -3.227 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 35.230 ms

Loss rate: 4.61%

-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 32.793 ms

Loss rate: 3.48%

-- Flow 2:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 38.465 ms

Loss rate: 7.44%

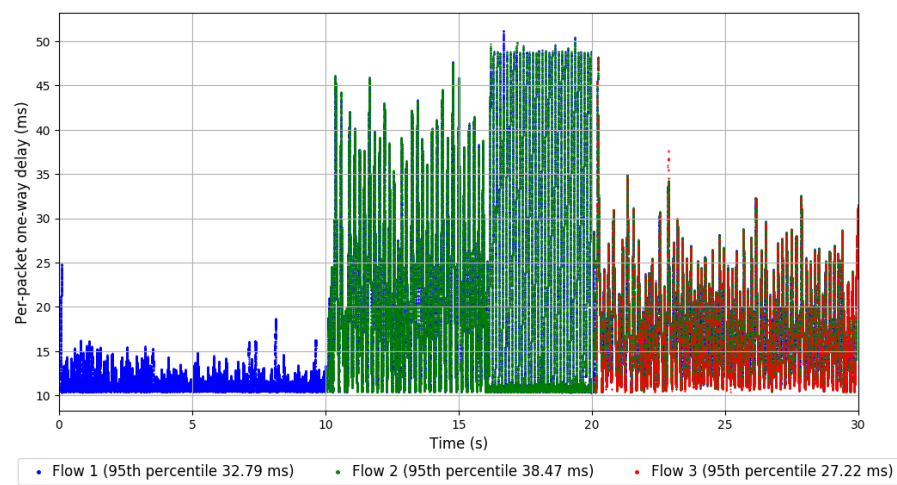
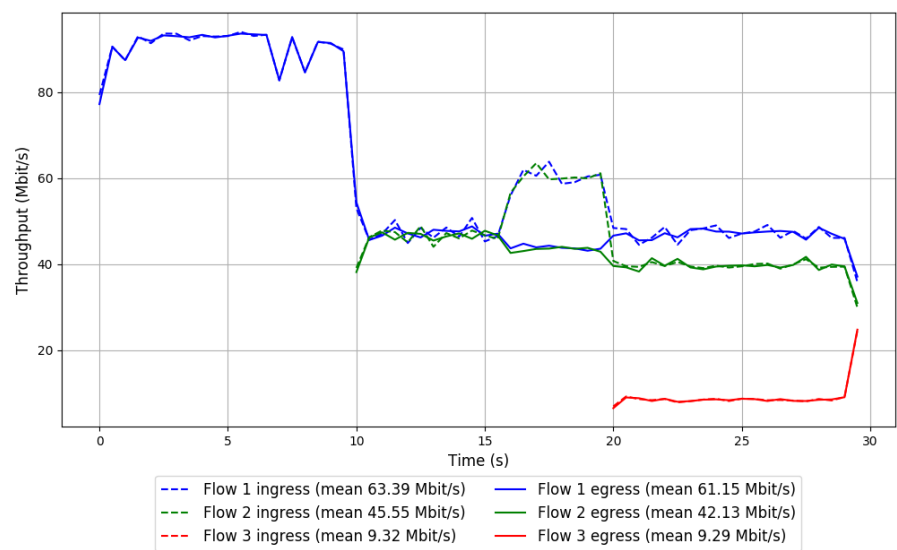
-- Flow 3:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 27.217 ms

Loss rate: 0.14%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:10:45 +0000

End at: Sat, 29 Jul 2017 07:11:15 +0000

Local clock offset: 4.14 ms

Remote clock offset: -3.577 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 40.900 ms

Loss rate: 11.44%

-- Flow 1:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 36.904 ms

Loss rate: 5.16%

-- Flow 2:

Average throughput: 42.82 Mbit/s

95th percentile per-packet one-way delay: 42.856 ms

Loss rate: 16.25%

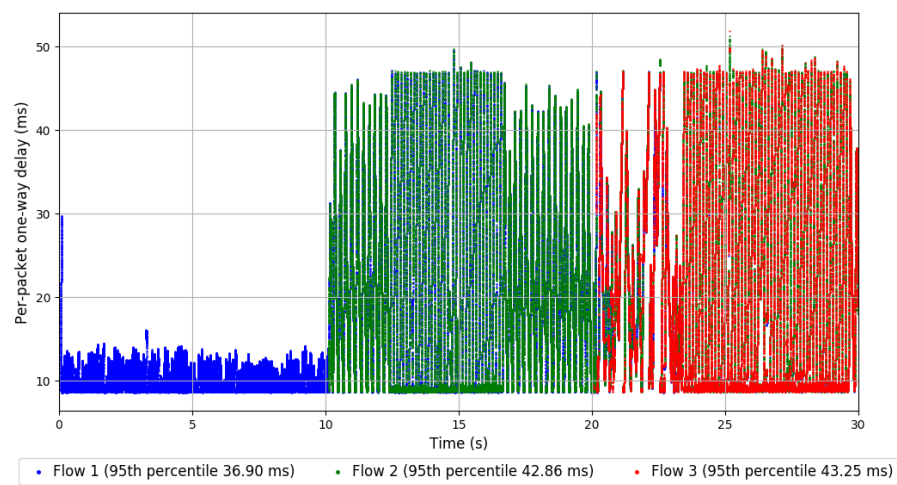
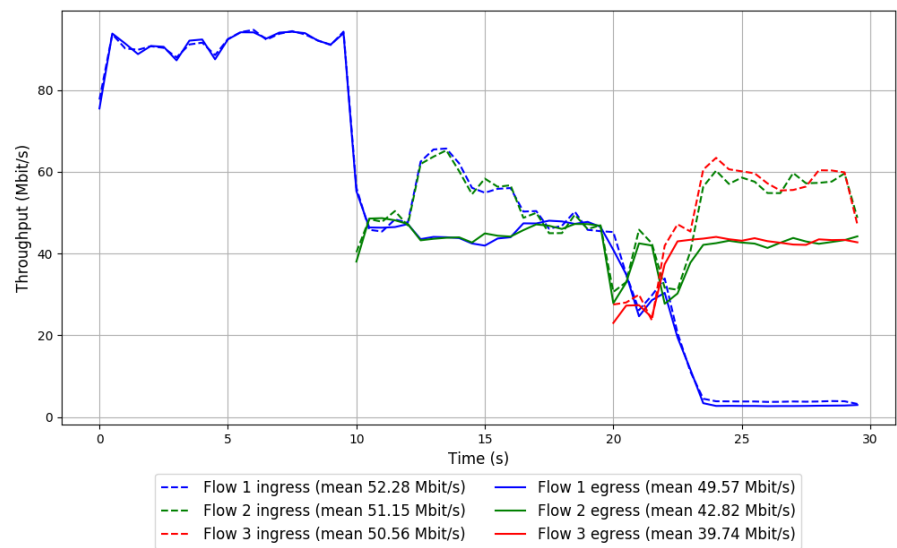
-- Flow 3:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 43.248 ms

Loss rate: 21.33%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 29 Jul 2017 07:29:38 +0000

End at: Sat, 29 Jul 2017 07:30:08 +0000

Local clock offset: 0.748 ms

Remote clock offset: -3.045 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 44.976 ms

Loss rate: 6.32%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 42.935 ms

Loss rate: 4.52%

-- Flow 2:

Average throughput: 43.96 Mbit/s

95th percentile per-packet one-way delay: 46.458 ms

Loss rate: 8.77%

-- Flow 3:

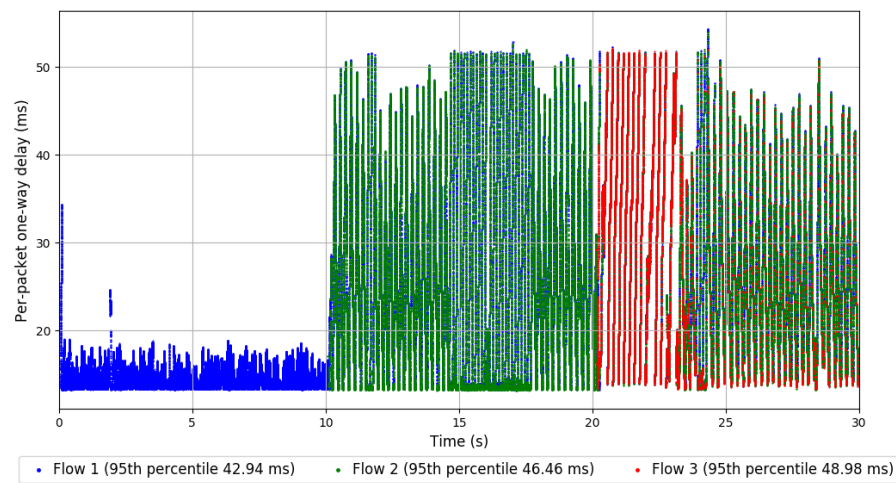
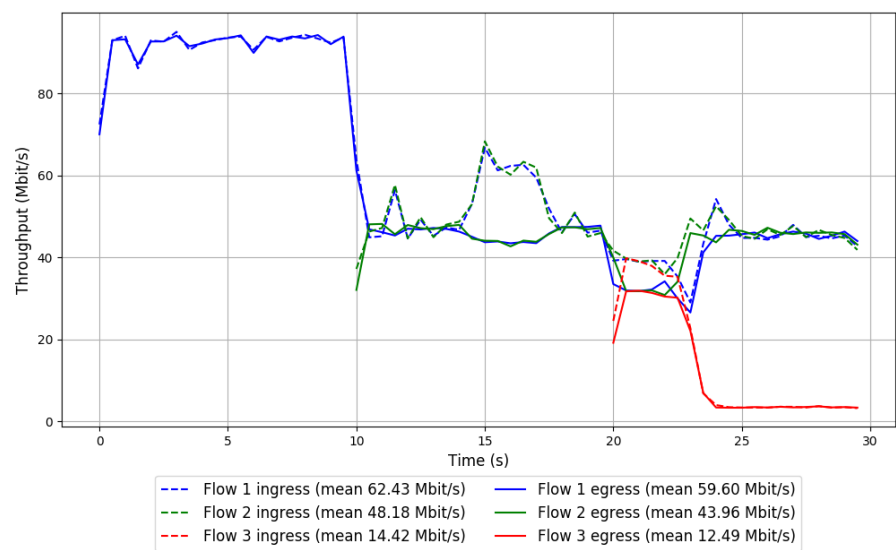
Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 48.980 ms

Loss rate: 13.53%



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



Run 1: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:26:38 +0000

End at: Sat, 29 Jul 2017 04:27:08 +0000

Local clock offset: 1.103 ms

Remote clock offset: -6.054 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 15.816 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 63.34 Mbit/s

95th percentile per-packet one-way delay: 15.878 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 14.827 ms

Loss rate: 0.00%

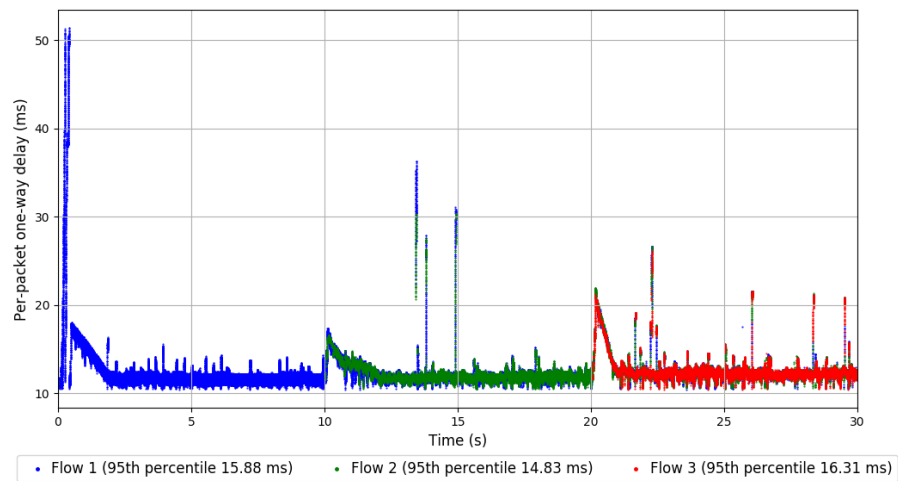
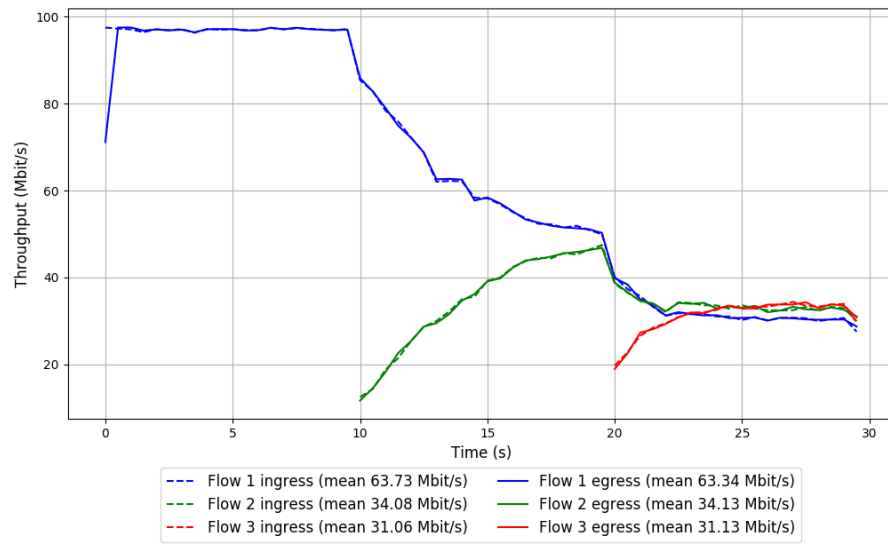
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 16.313 ms

Loss rate: 0.00%

## Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 04:48:06 +0000

End at: Sat, 29 Jul 2017 04:48:36 +0000

Local clock offset: 1.37 ms

Remote clock offset: -5.855 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.20 Mbit/s

95th percentile per-packet one-way delay: 18.558 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 19.136 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 15.494 ms

Loss rate: 0.21%

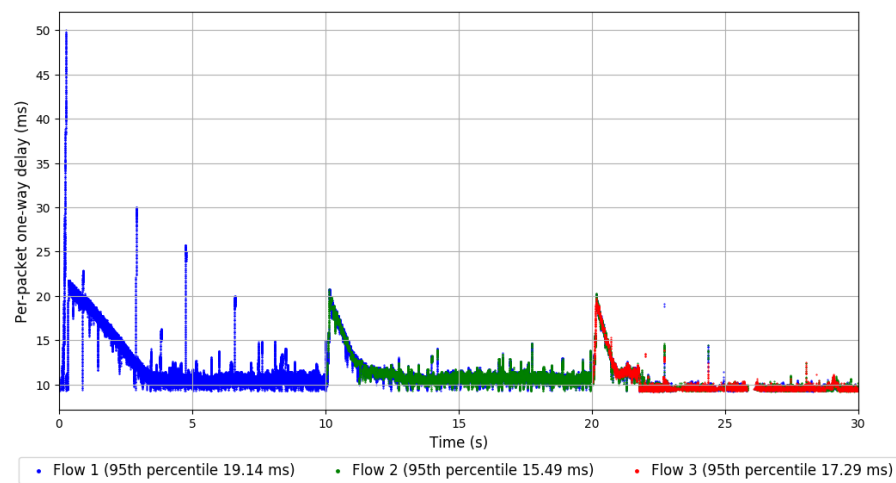
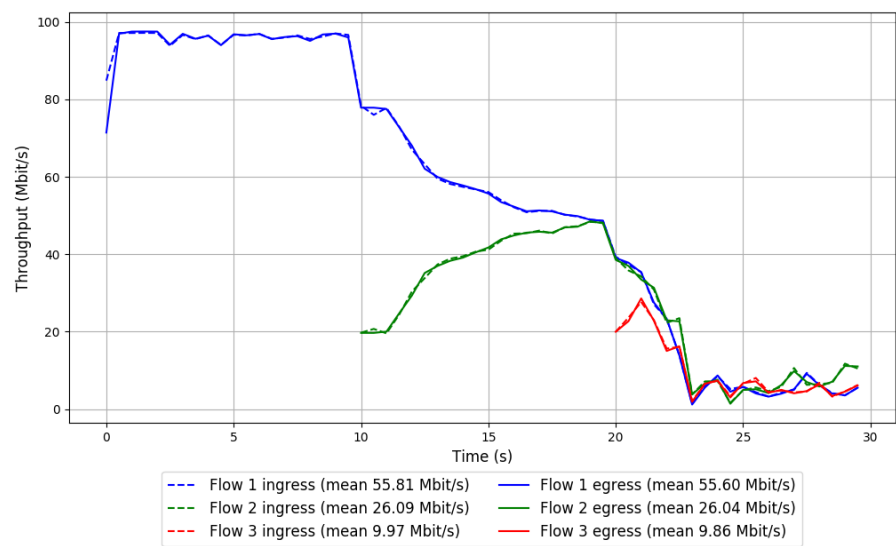
-- Flow 3:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 17.288 ms

Loss rate: 1.24%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:09:15 +0000

End at: Sat, 29 Jul 2017 05:09:45 +0000

Local clock offset: 0.89 ms

Remote clock offset: -5.47 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 18.521 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.98 Mbit/s

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

Loss rate: 0.27%

-- Flow 2:

Average throughput: 33.08 Mbit/s

95th percentile per-packet one-way delay: 16.614 ms

Loss rate: 0.01%

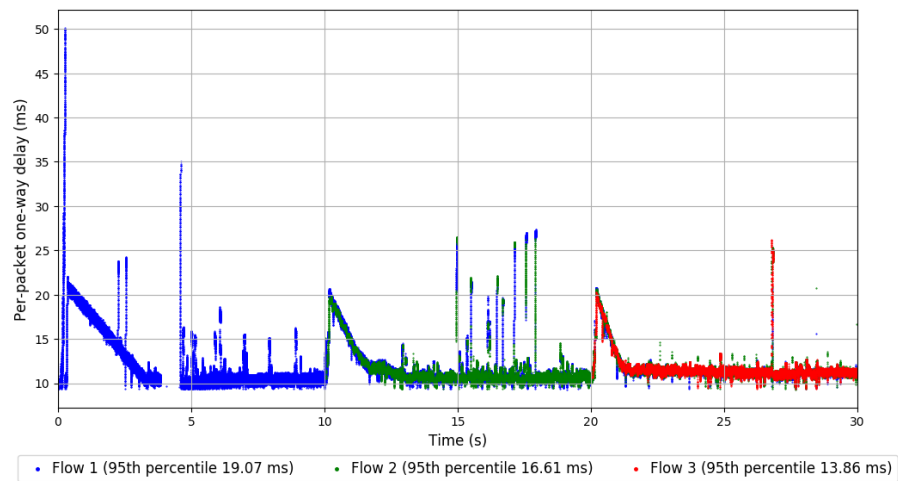
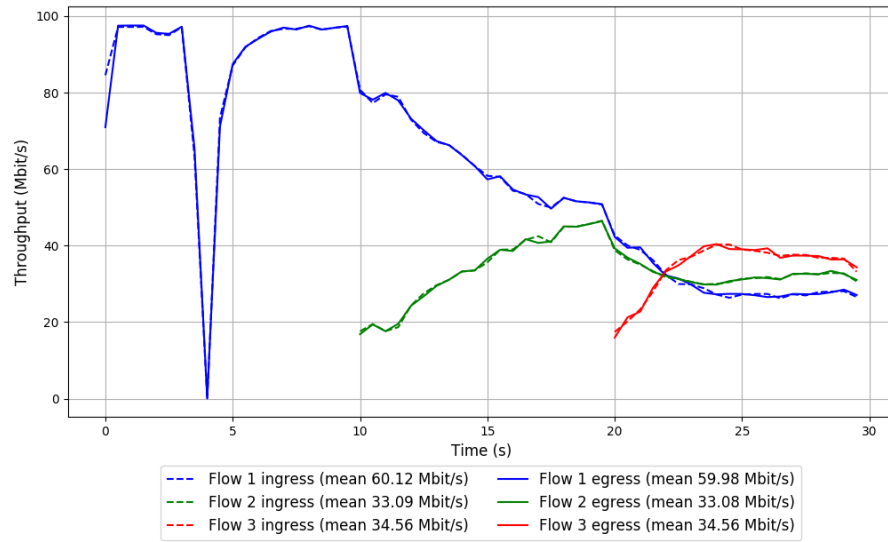
-- Flow 3:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 13.856 ms

Loss rate: 0.00%

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



Run 4: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:28:47 +0000

End at: Sat, 29 Jul 2017 05:29:17 +0000

Local clock offset: 1.722 ms

Remote clock offset: -4.347 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:26:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 17.378 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 18.352 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 13.850 ms

Loss rate: 0.00%

-- Flow 3:

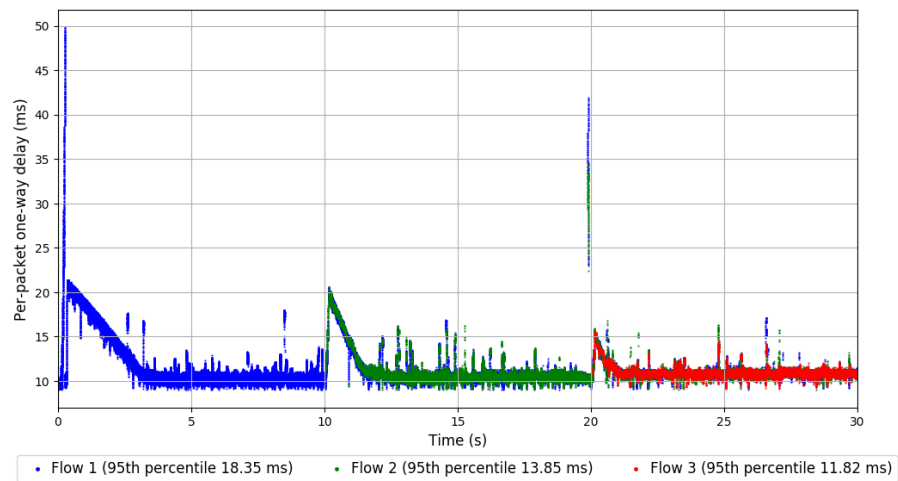
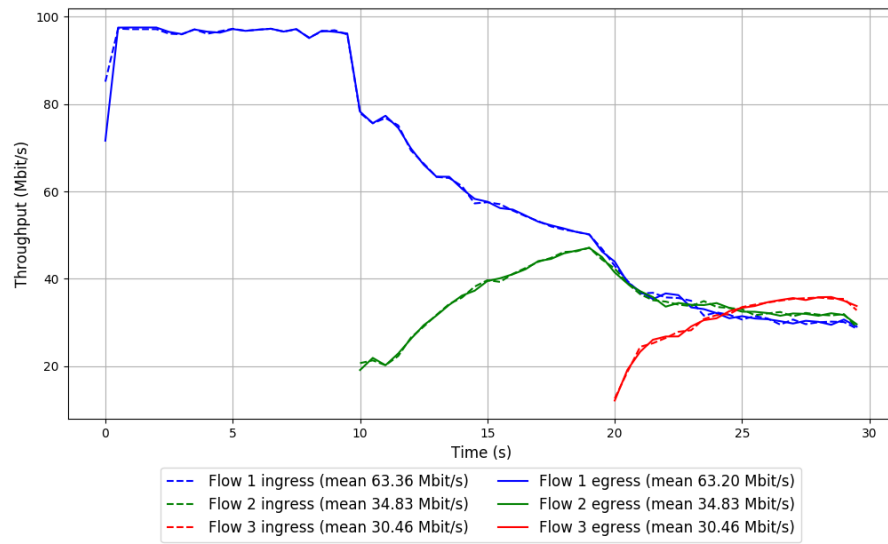
Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 11.824 ms

Loss rate: 0.00%



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



Run 5: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 05:48:24 +0000

End at: Sat, 29 Jul 2017 05:48:54 +0000

Local clock offset: -0.936 ms

Remote clock offset: -3.328 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 17.729 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.74 Mbit/s

95th percentile per-packet one-way delay: 17.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.73 Mbit/s

95th percentile per-packet one-way delay: 18.389 ms

Loss rate: 0.00%

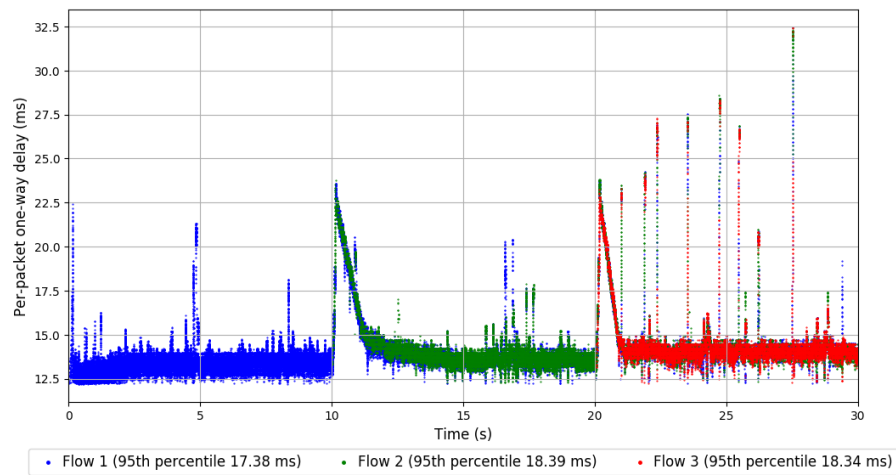
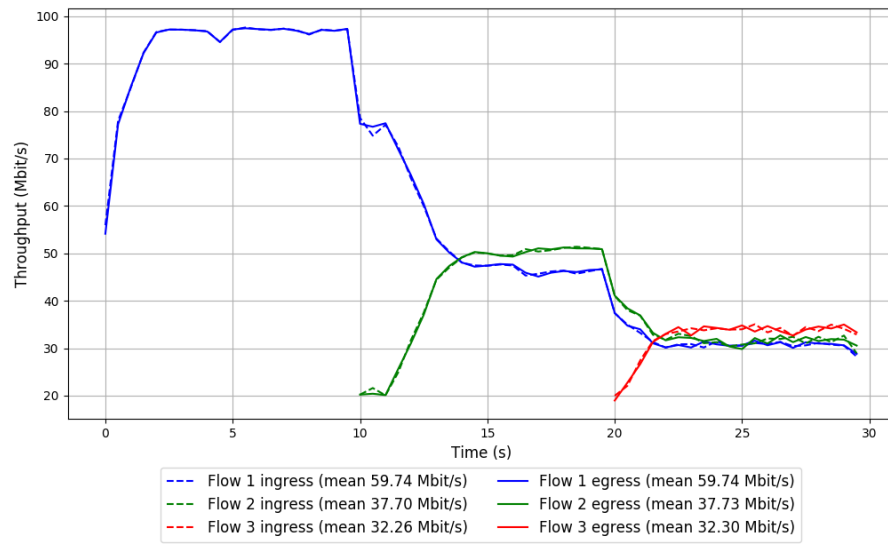
-- Flow 3:

Average throughput: 32.30 Mbit/s

95th percentile per-packet one-way delay: 18.336 ms

Loss rate: 0.00%

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



Run 6: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:07:45 +0000

End at: Sat, 29 Jul 2017 06:08:15 +0000

Local clock offset: 2.158 ms

Remote clock offset: -4.042 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 17.824 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 18.492 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 15.092 ms

Loss rate: 0.00%

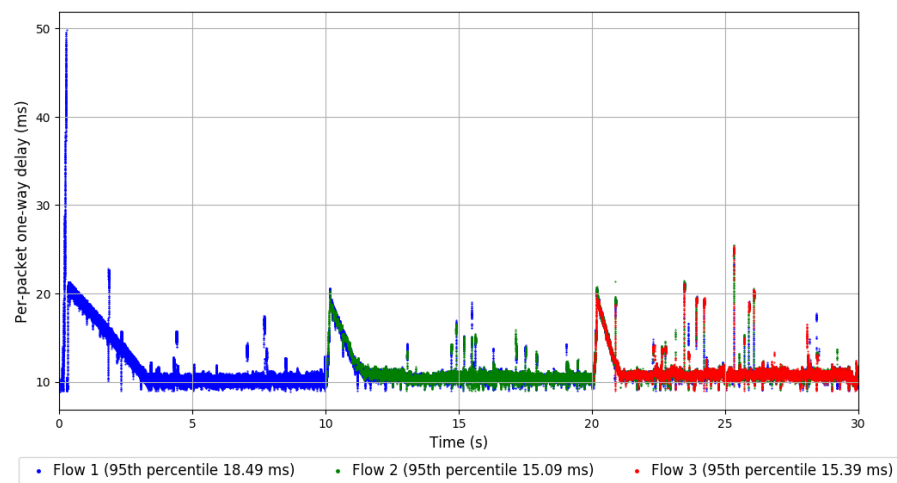
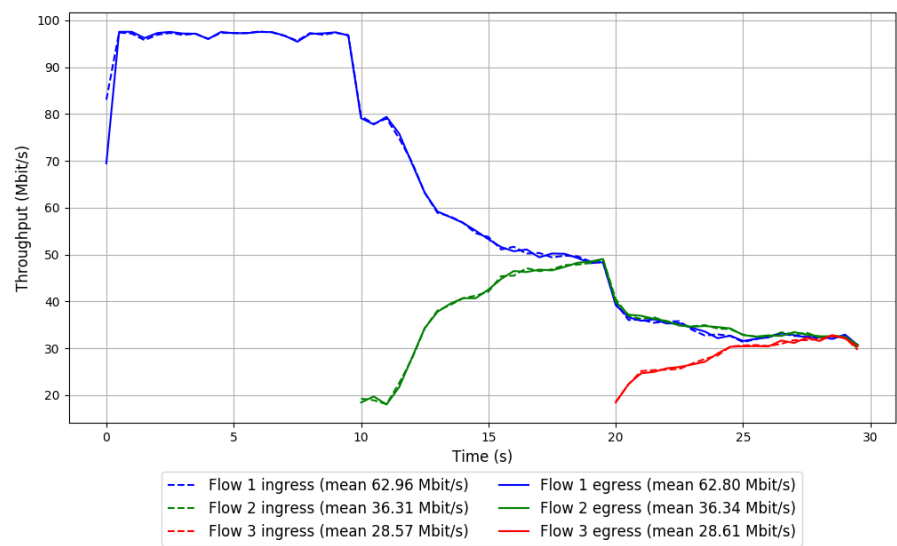
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 15.388 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:27:04 +0000

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

Local clock offset: 3.503 ms

Remote clock offset: -2.34 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 17.929 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.26 Mbit/s

95th percentile per-packet one-way delay: 18.927 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 14.000 ms

Loss rate: 0.00%

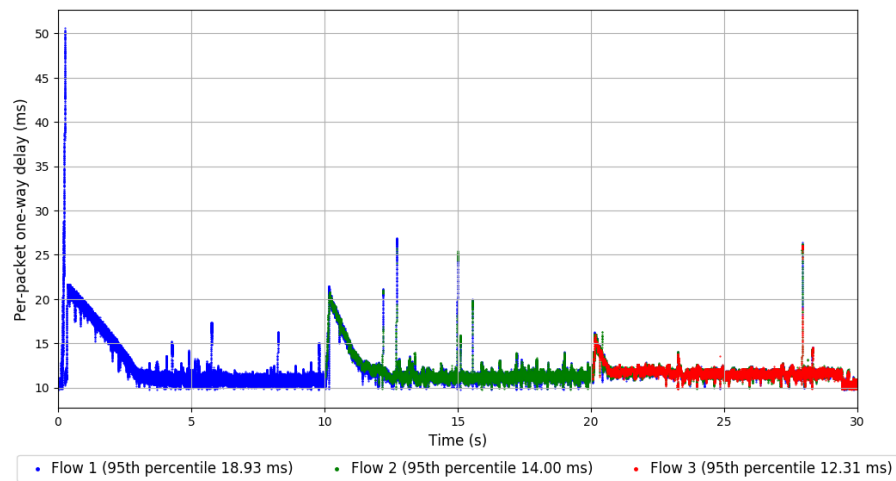
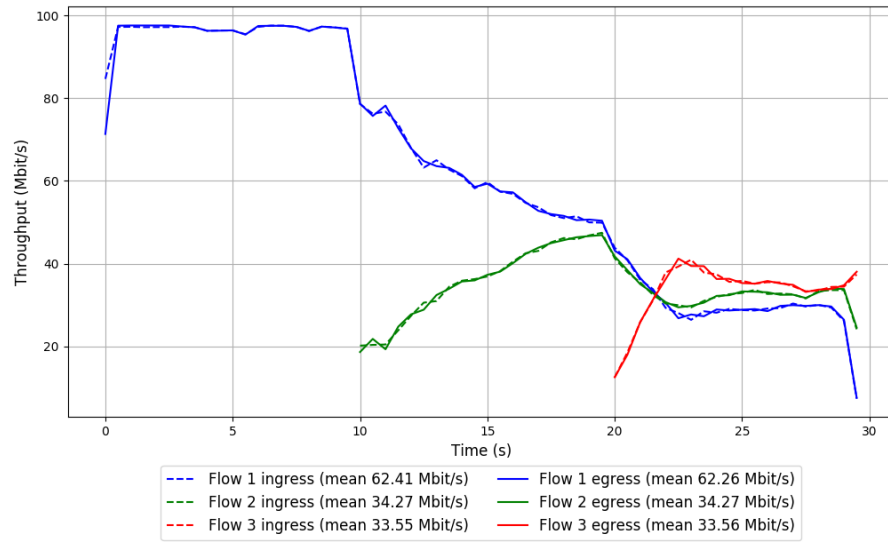
-- Flow 3:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 12.311 ms

Loss rate: 0.00%

# Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 06:46:27 +0000

End at: Sat, 29 Jul 2017 06:46:57 +0000

Local clock offset: 1.188 ms

Remote clock offset: -3.742 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 17.714 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 19.412 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 13.625 ms

Loss rate: 0.00%

-- Flow 3:

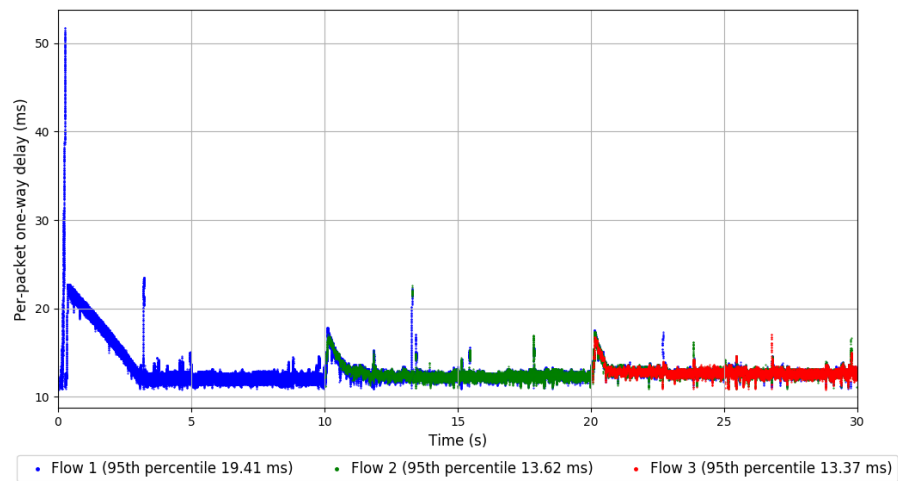
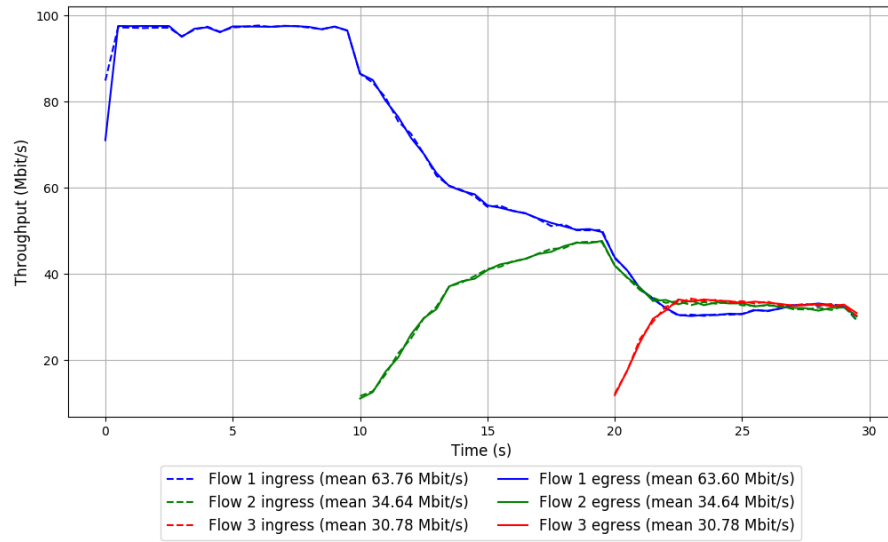
Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 13.371 ms

Loss rate: 0.00%



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



Run 9: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:05:43 +0000

End at: Sat, 29 Jul 2017 07:06:13 +0000

Local clock offset: 1.402 ms

Remote clock offset: -2.861 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 19.366 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 20.185 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 16.309 ms

Loss rate: 0.00%

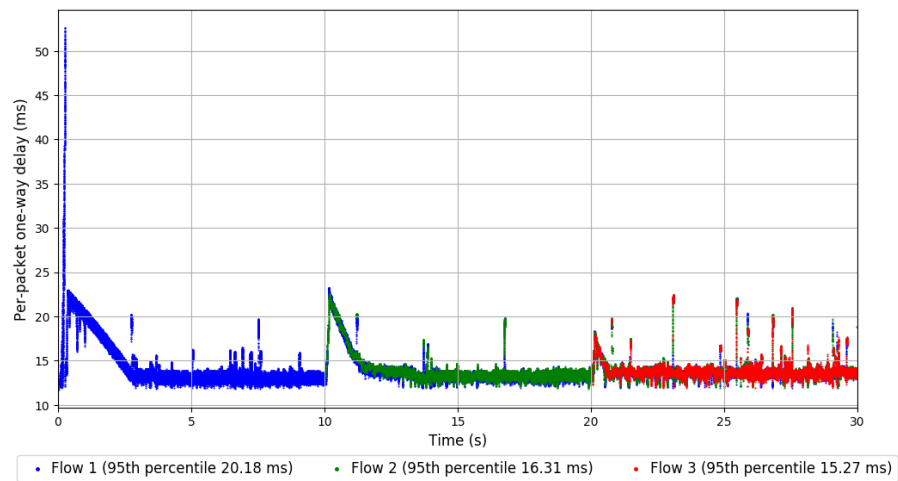
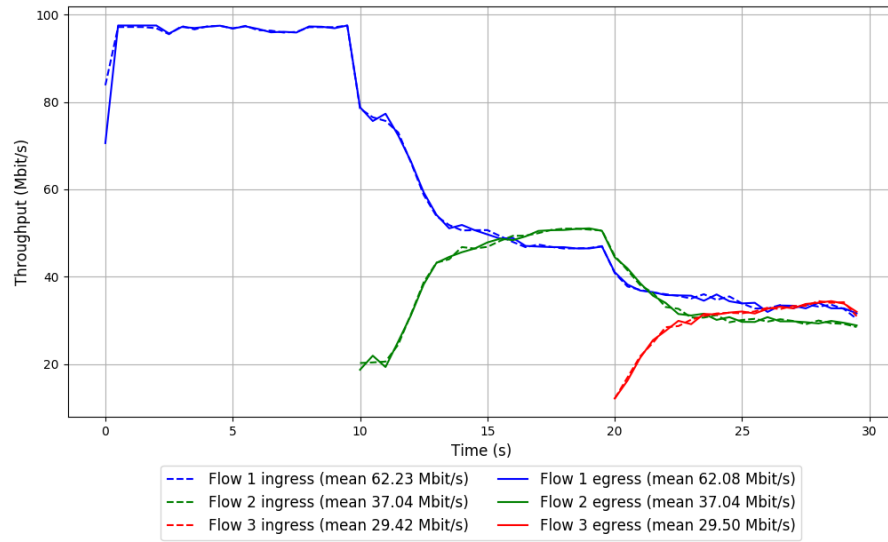
-- Flow 3:

Average throughput: 29.50 Mbit/s

95th percentile per-packet one-way delay: 15.265 ms

Loss rate: 0.00%

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



Run 10: Statistics of TCP Vegas

Start at: Sat, 29 Jul 2017 07:24:45 +0000

End at: Sat, 29 Jul 2017 07:25:15 +0000

Local clock offset: 0.73 ms

Remote clock offset: -3.244 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 20.396 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 21.872 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: 16.589 ms

Loss rate: 0.00%

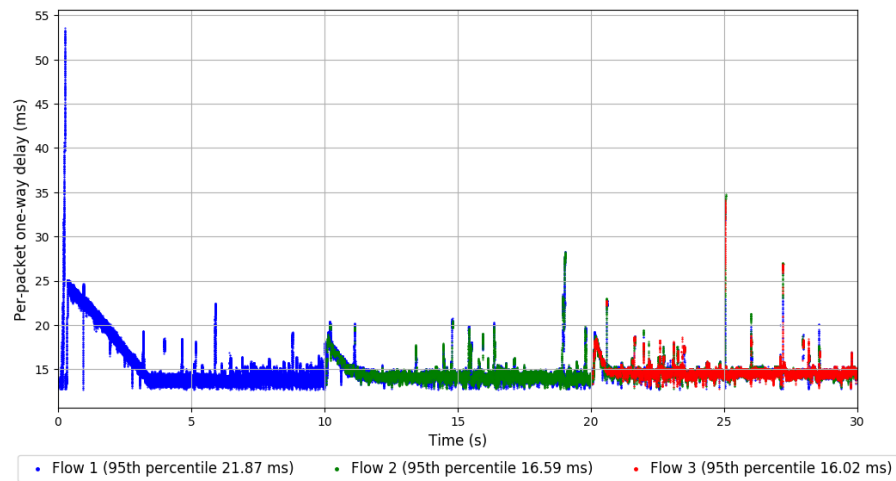
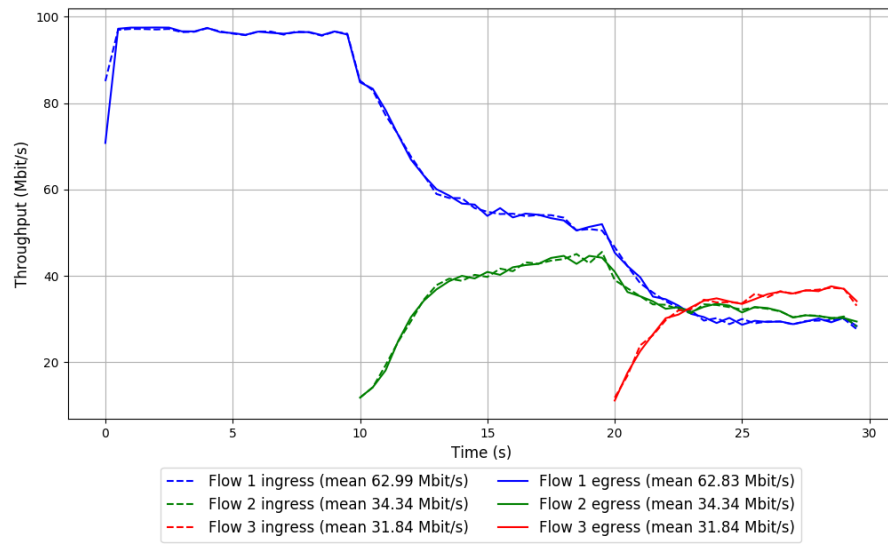
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 16.025 ms

Loss rate: 0.00%

## Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 29 Jul 2017 04:35:24 +0000

End at: Sat, 29 Jul 2017 04:35:54 +0000

Local clock offset: 1.841 ms

Remote clock offset: -6.241 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.54 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 22.87%

-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 43.110 ms

Loss rate: 22.46%

-- Flow 2:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 43.930 ms

Loss rate: 20.01%

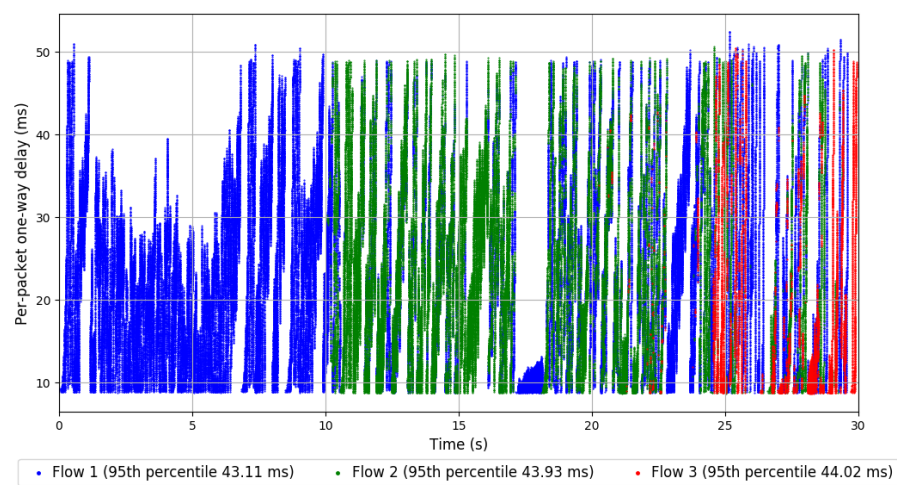
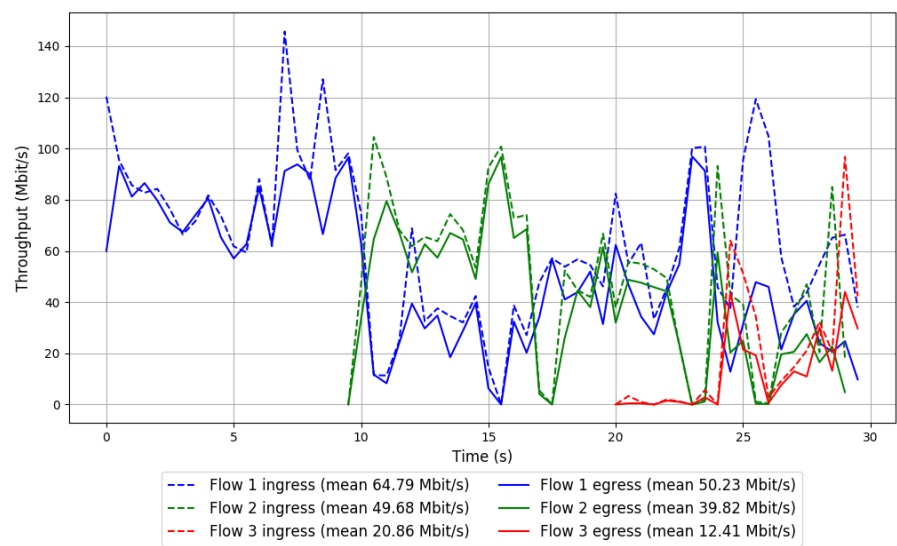
-- Flow 3:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 44.025 ms

Loss rate: 40.47%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 29 Jul 2017 04:57:26 +0000

End at: Sat, 29 Jul 2017 04:57:56 +0000

Local clock offset: 0.134 ms

Remote clock offset: -5.221 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:27:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.03 Mbit/s

95th percentile per-packet one-way delay: 46.233 ms

Loss rate: 33.49%

-- Flow 1:

Average throughput: 48.62 Mbit/s

95th percentile per-packet one-way delay: 45.945 ms

Loss rate: 29.55%

-- Flow 2:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 46.722 ms

Loss rate: 41.58%

-- Flow 3:

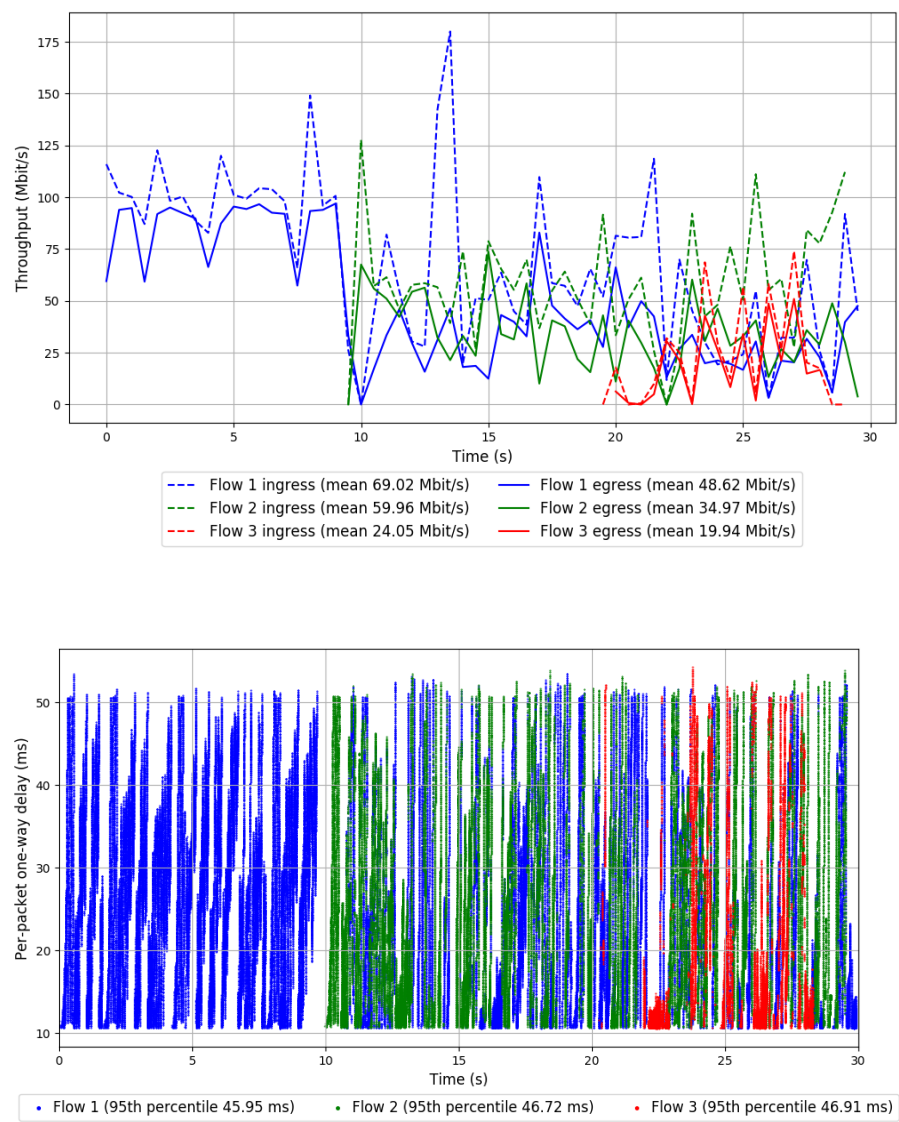
Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 46.910 ms

Loss rate: 27.58%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:17:05 +0000

End at: Sat, 29 Jul 2017 05:17:35 +0000

Local clock offset: 0.118 ms

Remote clock offset: -4.761 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 46.584 ms

Loss rate: 37.38%

-- Flow 1:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 46.745 ms

Loss rate: 38.21%

-- Flow 2:

Average throughput: 28.96 Mbit/s

95th percentile per-packet one-way delay: 45.768 ms

Loss rate: 24.28%

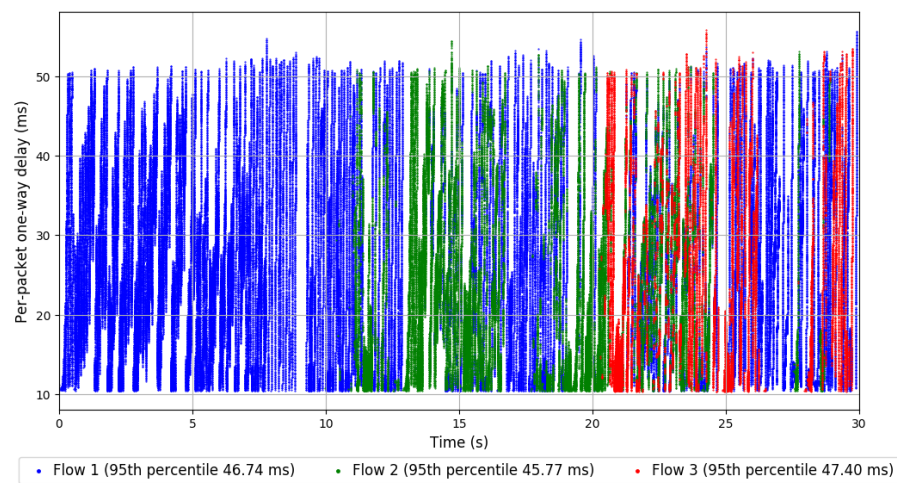
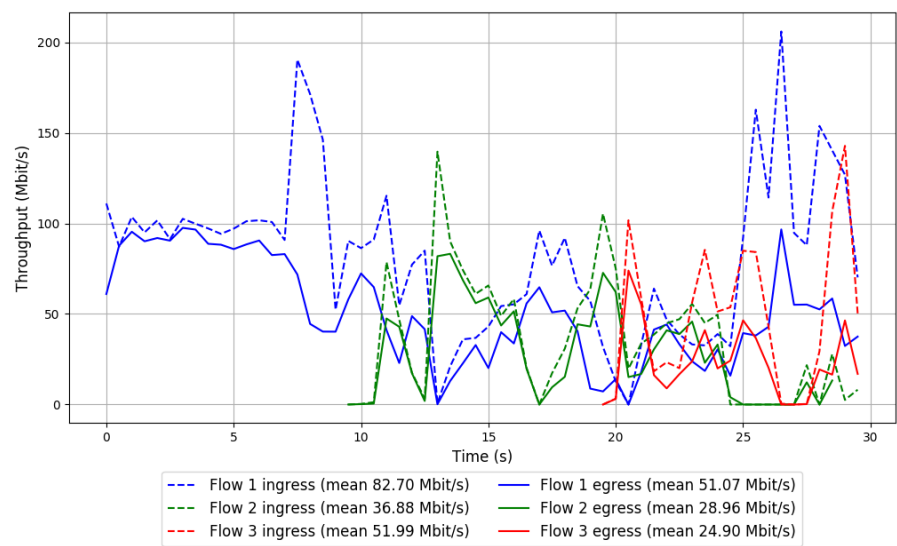
-- Flow 3:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 47.395 ms

Loss rate: 52.05%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:36:51 +0000

End at: Sat, 29 Jul 2017 05:37:21 +0000

Local clock offset: 2.503 ms

Remote clock offset: -3.362 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.55 Mbit/s

95th percentile per-packet one-way delay: 45.427 ms

Loss rate: 31.82%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 45.743 ms

Loss rate: 32.40%

-- Flow 2:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 41.471 ms

Loss rate: 24.06%

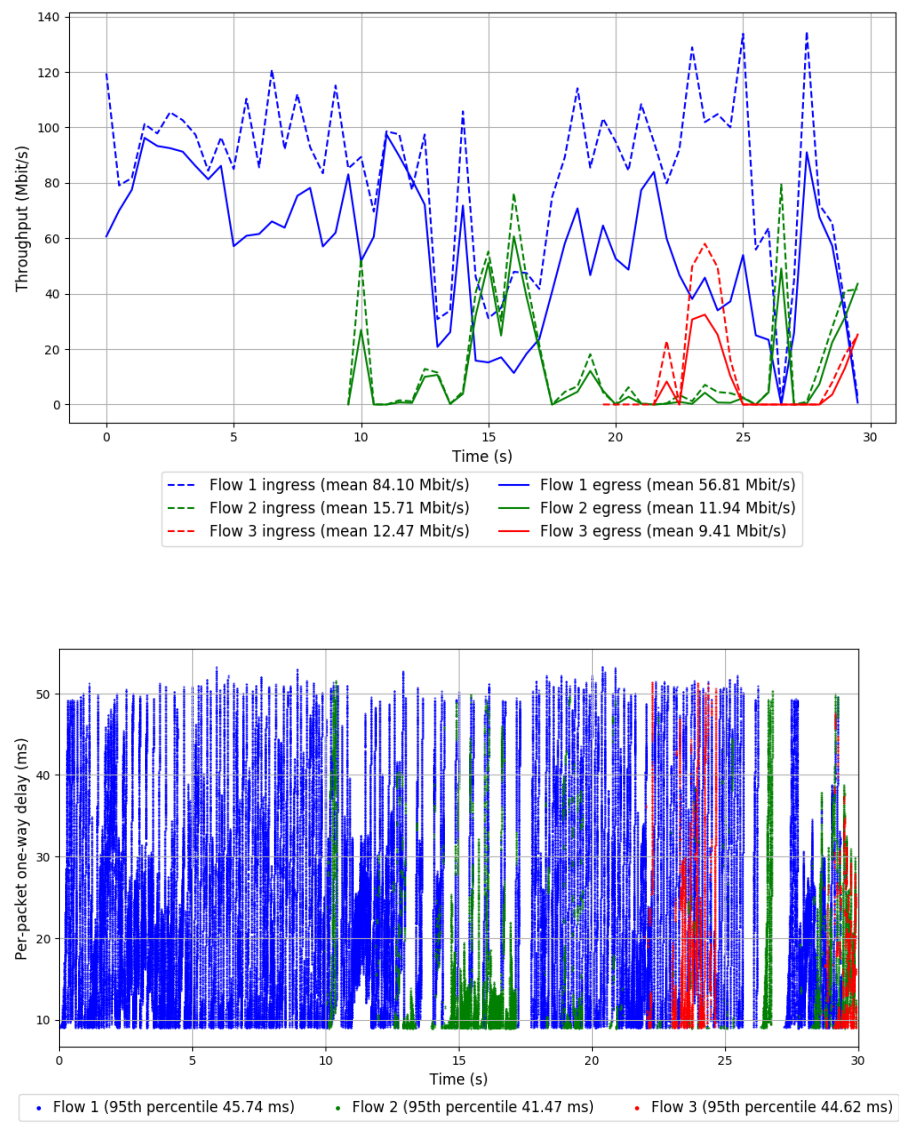
-- Flow 3:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 44.615 ms

Loss rate: 39.82%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 29 Jul 2017 05:56:07 +0000

End at: Sat, 29 Jul 2017 05:56:37 +0000

Local clock offset: 3.738 ms

Remote clock offset: -3.364 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 44.065 ms

Loss rate: 33.58%

-- Flow 1:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 43.902 ms

Loss rate: 31.28%

-- Flow 2:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 44.638 ms

Loss rate: 34.27%

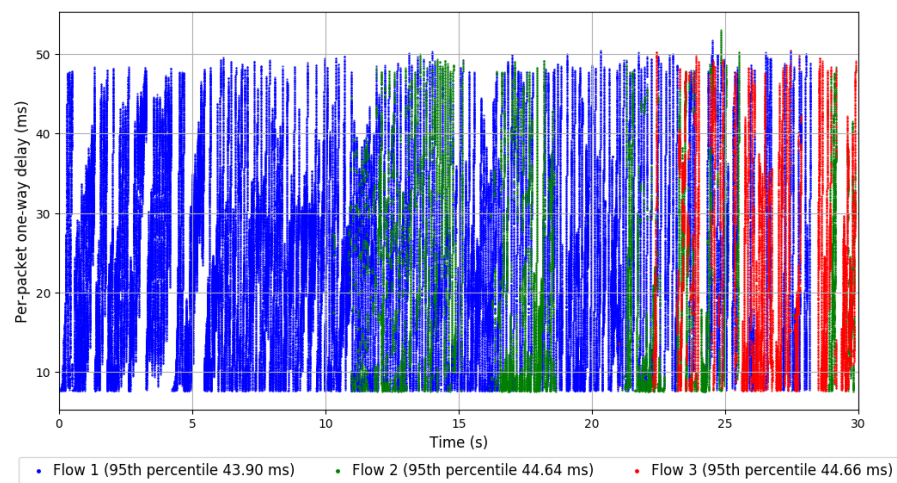
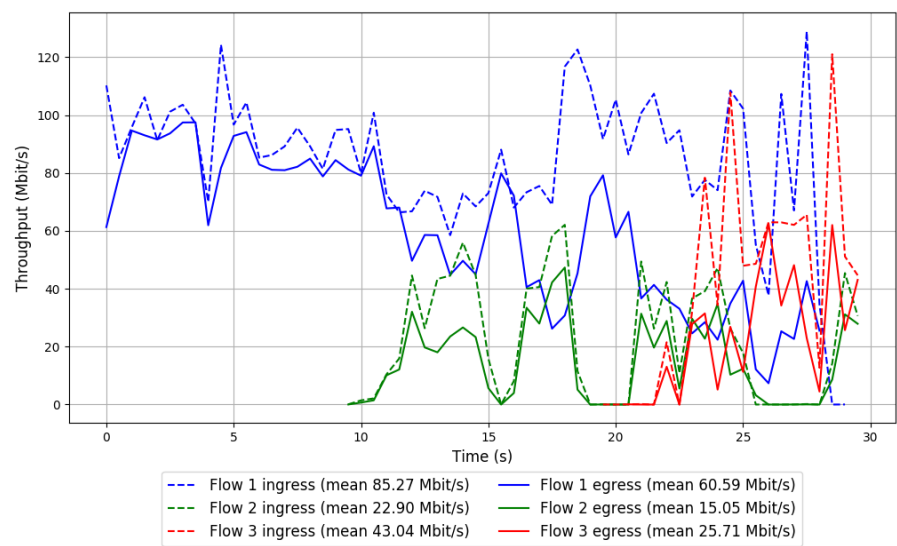
-- Flow 3:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 44.664 ms

Loss rate: 46.19%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:15:48 +0000

End at: Sat, 29 Jul 2017 06:16:18 +0000

Local clock offset: 0.87 ms

Remote clock offset: -2.116 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.59 Mbit/s

95th percentile per-packet one-way delay: 48.164 ms

Loss rate: 30.12%

-- Flow 1:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 48.379 ms

Loss rate: 31.65%

-- Flow 2:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 47.772 ms

Loss rate: 26.54%

-- Flow 3:

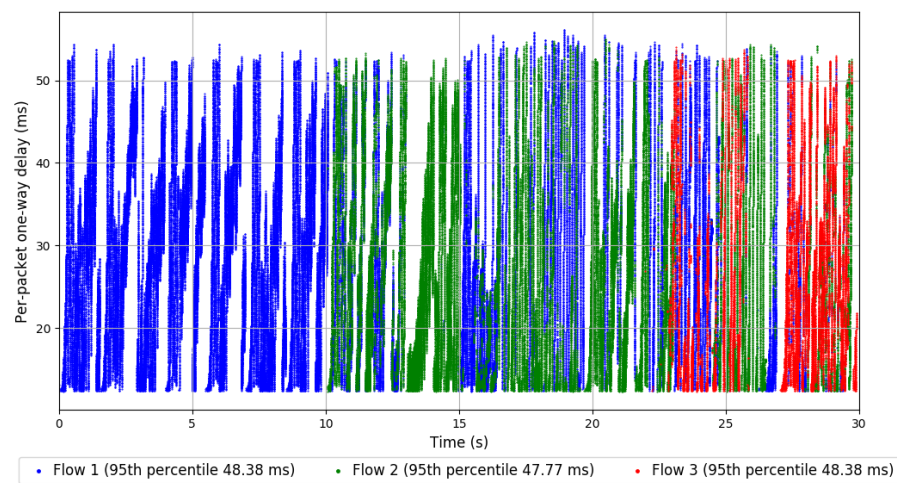
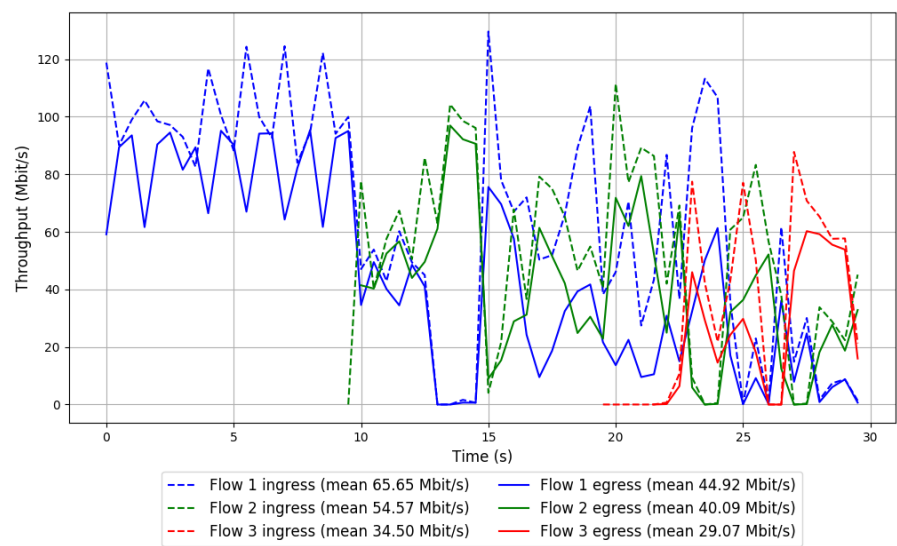
Average throughput: 29.07 Mbit/s

95th percentile per-packet one-way delay: 48.375 ms

Loss rate: 32.76%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:35:02 +0000

End at: Sat, 29 Jul 2017 06:35:32 +0000

Local clock offset: 2.132 ms

Remote clock offset: -2.435 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 47.268 ms

Loss rate: 33.17%

-- Flow 1:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 47.630 ms

Loss rate: 36.08%

-- Flow 2:

Average throughput: 28.66 Mbit/s

95th percentile per-packet one-way delay: 46.402 ms

Loss rate: 23.78%

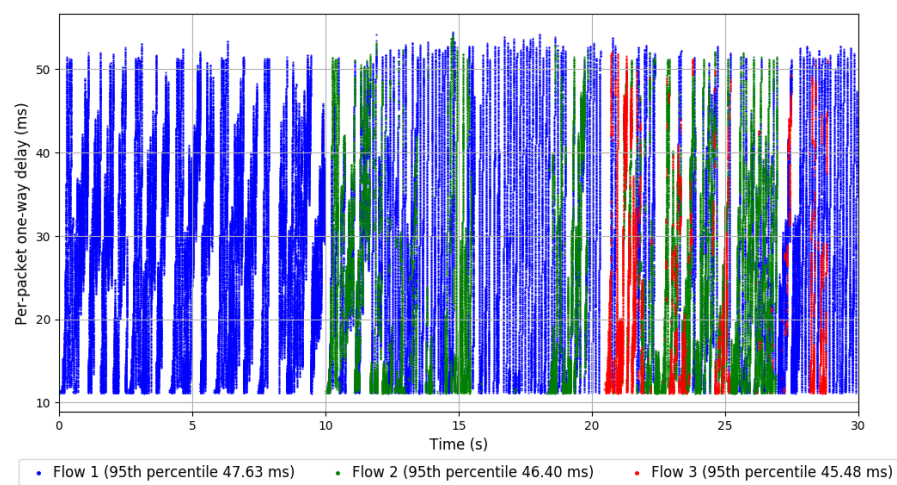
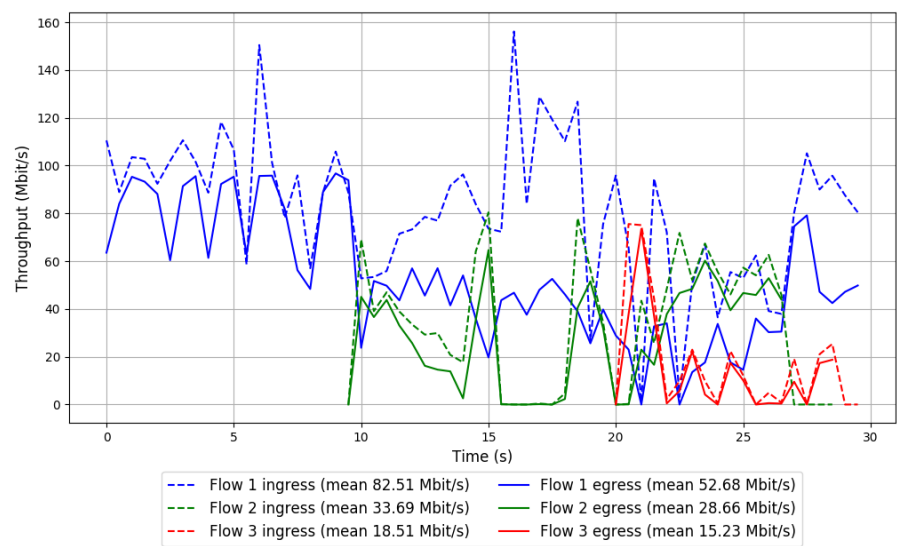
-- Flow 3:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 45.476 ms

Loss rate: 26.28%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 29 Jul 2017 06:54:24 +0000

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

Local clock offset: 2.772 ms

Remote clock offset: -2.435 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 46.631 ms

Loss rate: 28.52%

-- Flow 1:

Average throughput: 48.25 Mbit/s

95th percentile per-packet one-way delay: 46.416 ms

Loss rate: 24.03%

-- Flow 2:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 46.814 ms

Loss rate: 34.60%

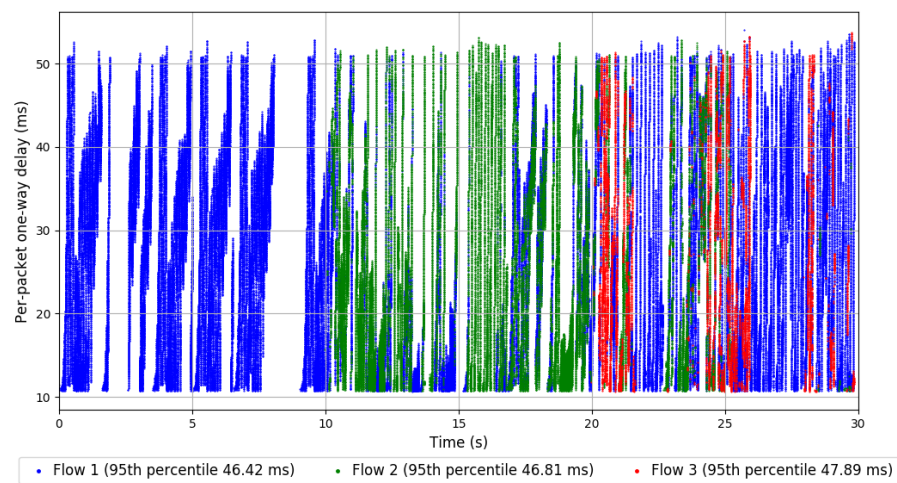
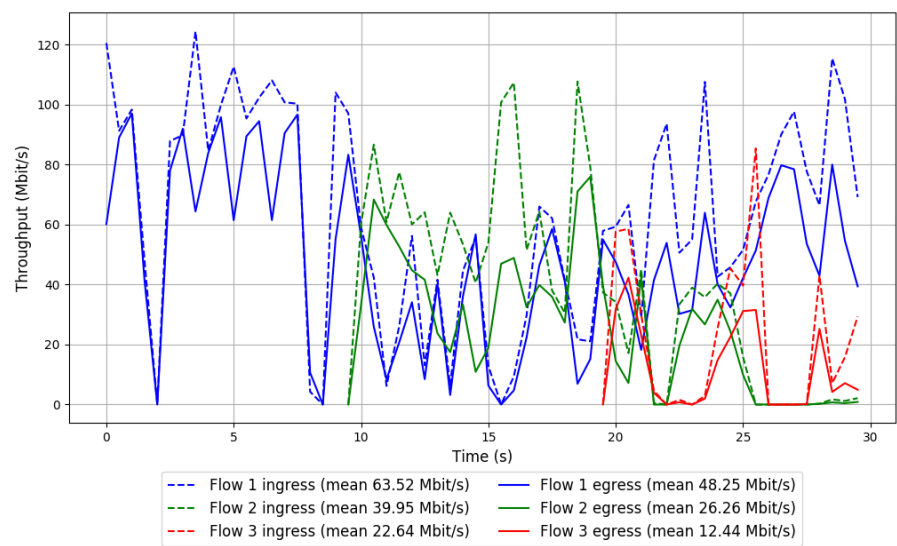
-- Flow 3:

Average throughput: 12.44 Mbit/s

95th percentile per-packet one-way delay: 47.888 ms

Loss rate: 45.03%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:13:45 +0000

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

Local clock offset: 3.059 ms

Remote clock offset: -3.446 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.01 Mbit/s

95th percentile per-packet one-way delay: 45.840 ms

Loss rate: 24.60%

-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 46.088 ms

Loss rate: 24.98%

-- Flow 2:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 44.929 ms

Loss rate: 23.41%

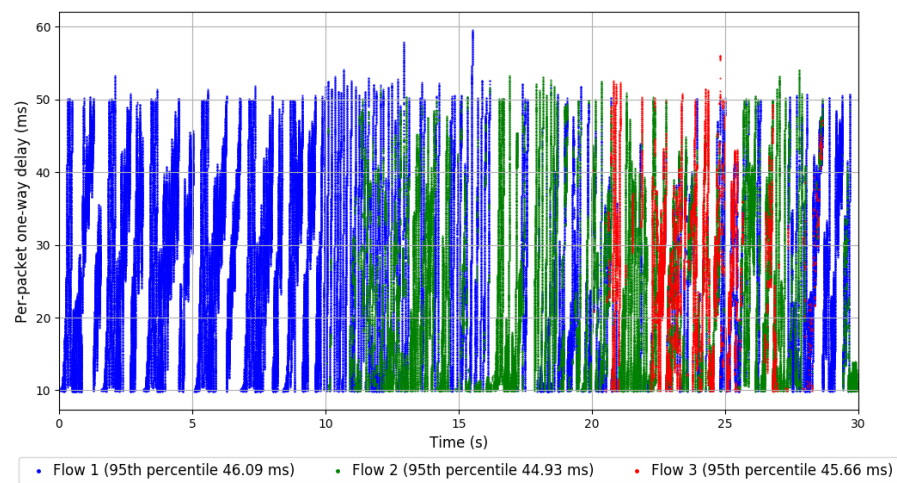
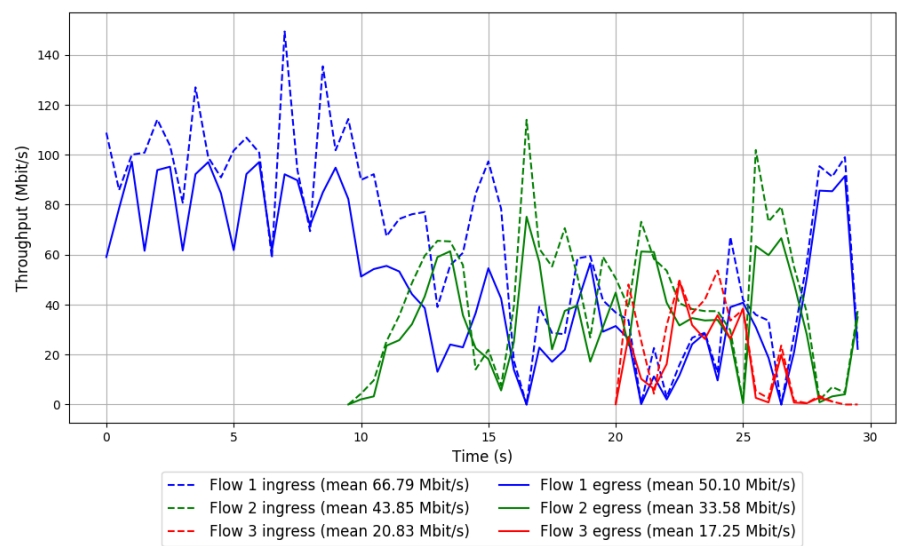
-- Flow 3:

Average throughput: 17.25 Mbit/s

95th percentile per-packet one-way delay: 45.659 ms

Loss rate: 26.07%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 29 Jul 2017 07:32:22 +0000

End at: Sat, 29 Jul 2017 07:32:52 +0000

Local clock offset: 1.725 ms

Remote clock offset: -3.261 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.98 Mbit/s

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

Loss rate: 39.52%

-- Flow 1:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 48.155 ms

Loss rate: 28.34%

-- Flow 2:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 49.886 ms

Loss rate: 56.69%

-- Flow 3:

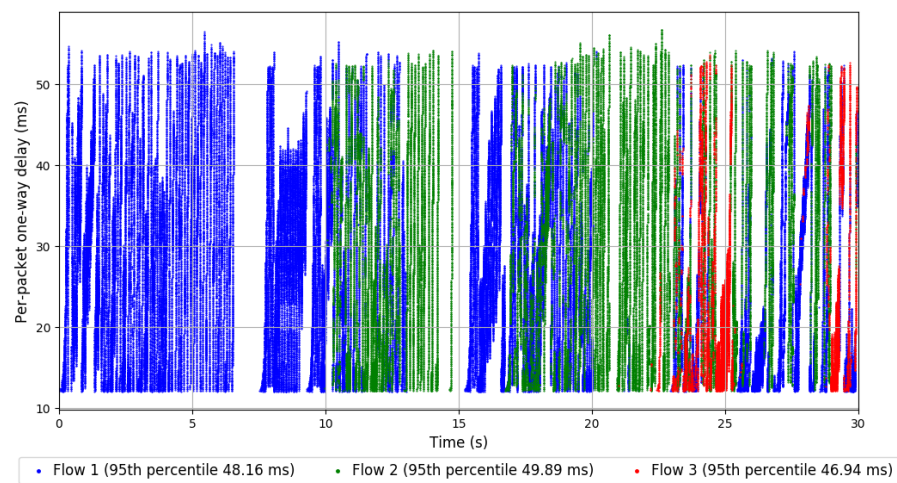
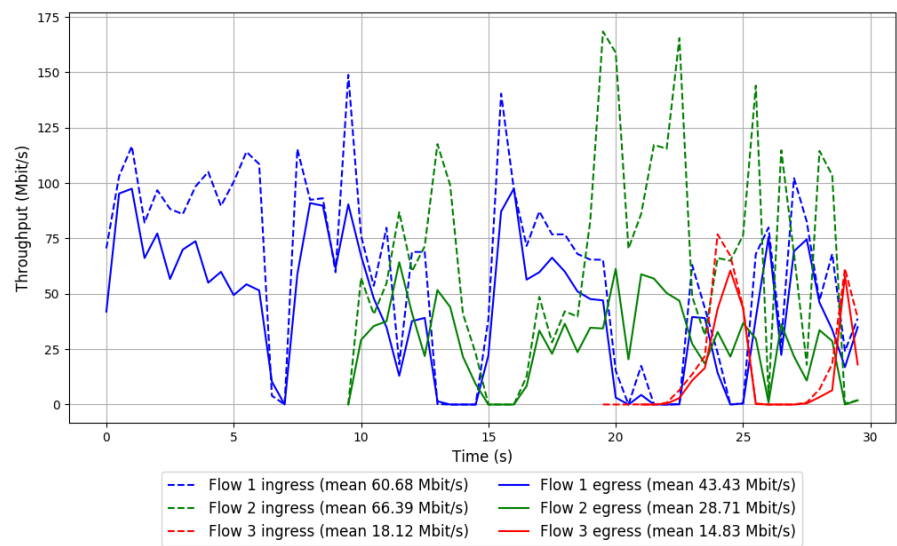
Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 46.943 ms

Loss rate: 26.07%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 04:20:12 +0000

End at: Sat, 29 Jul 2017 04:20:42 +0000

Local clock offset: 0.644 ms

Remote clock offset: -6.233 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 12.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 12.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 12.098 ms

Loss rate: 0.00%

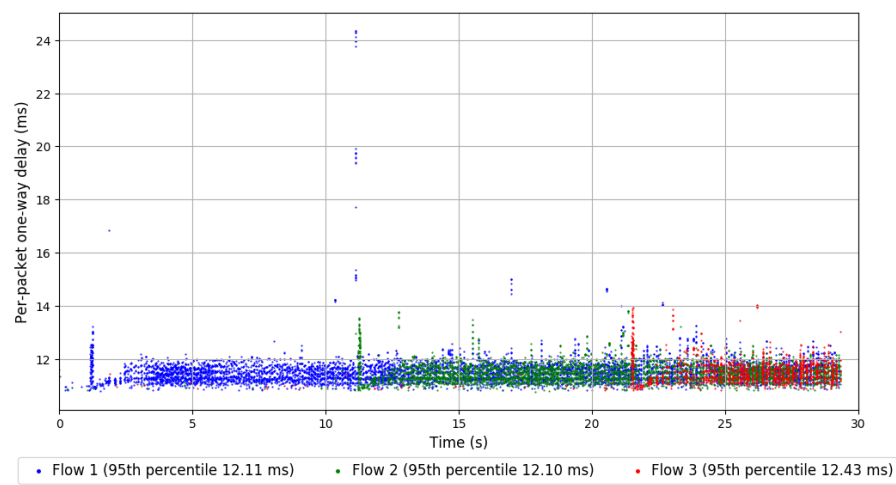
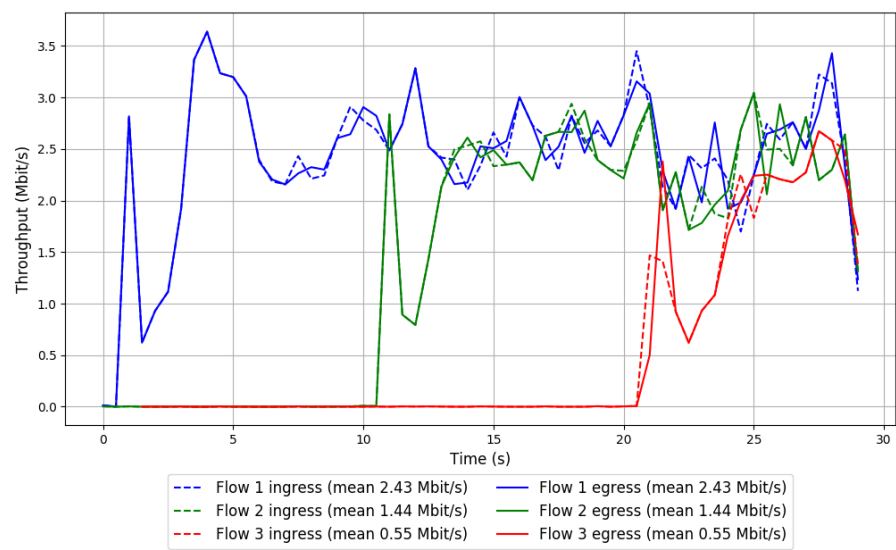
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 12.428 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

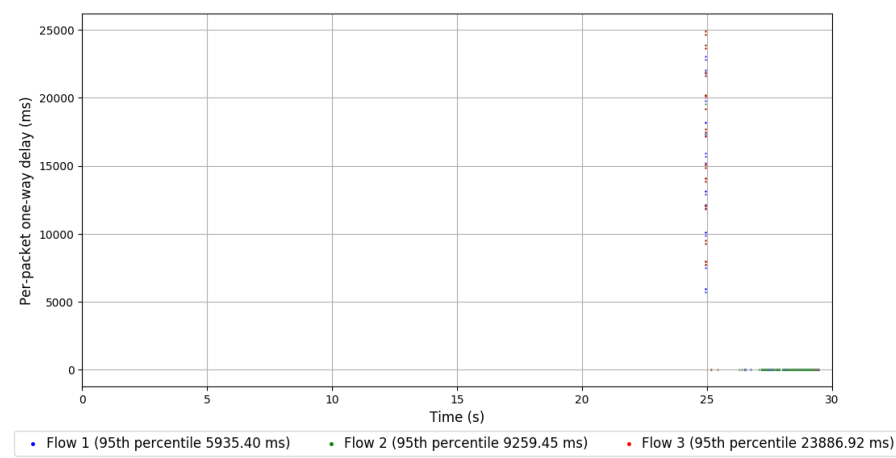
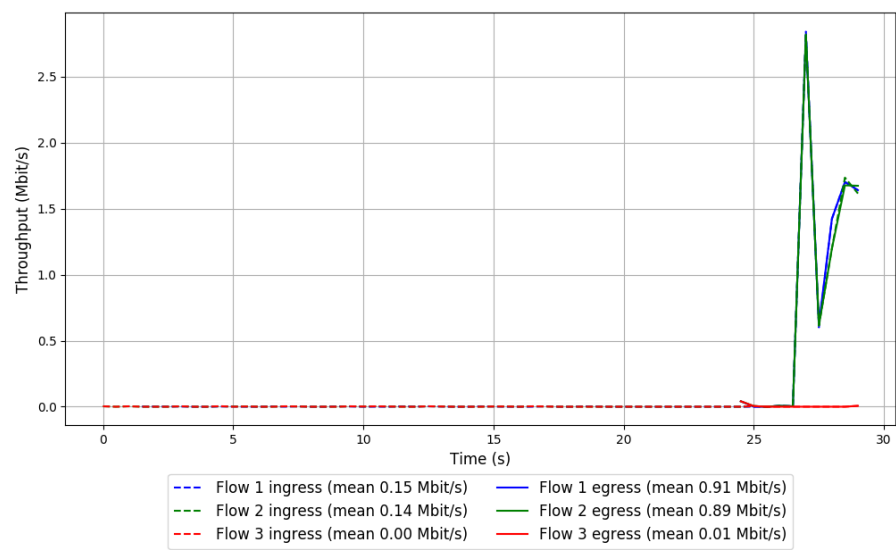
Start at: Sat, 29 Jul 2017 04:41:07 +0000

End at: Sat, 29 Jul 2017 04:41:37 +0000

Local clock offset: 0.474 ms

Remote clock offset: -7.9 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

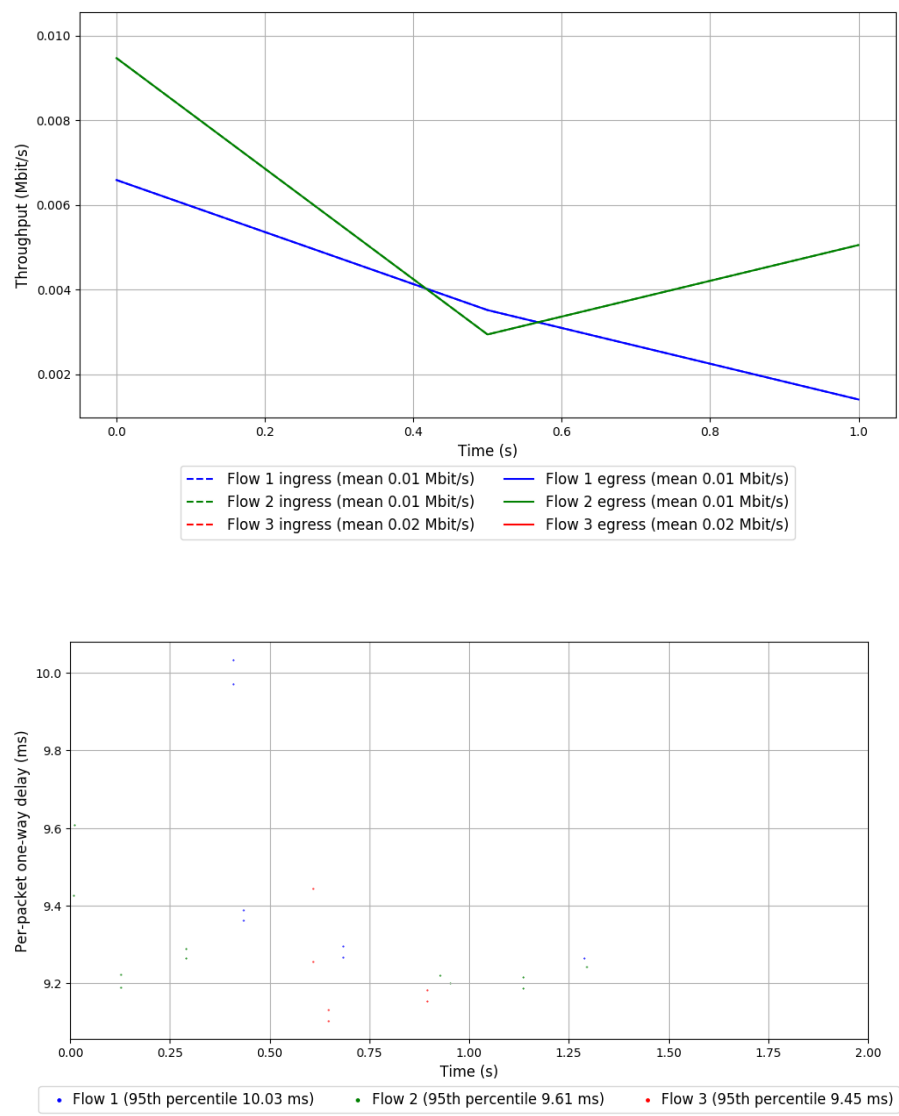
Start at: Sat, 29 Jul 2017 05:02:49 +0000

End at: Sat, 29 Jul 2017 05:03:19 +0000

Local clock offset: 0.664 ms

Remote clock offset: -5.855 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 05:22:33 +0000

End at: Sat, 29 Jul 2017 05:23:03 +0000

Local clock offset: 1.632 ms

Remote clock offset: -4.636 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.311 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.605 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.186 ms

Loss rate: 0.00%

-- Flow 3:

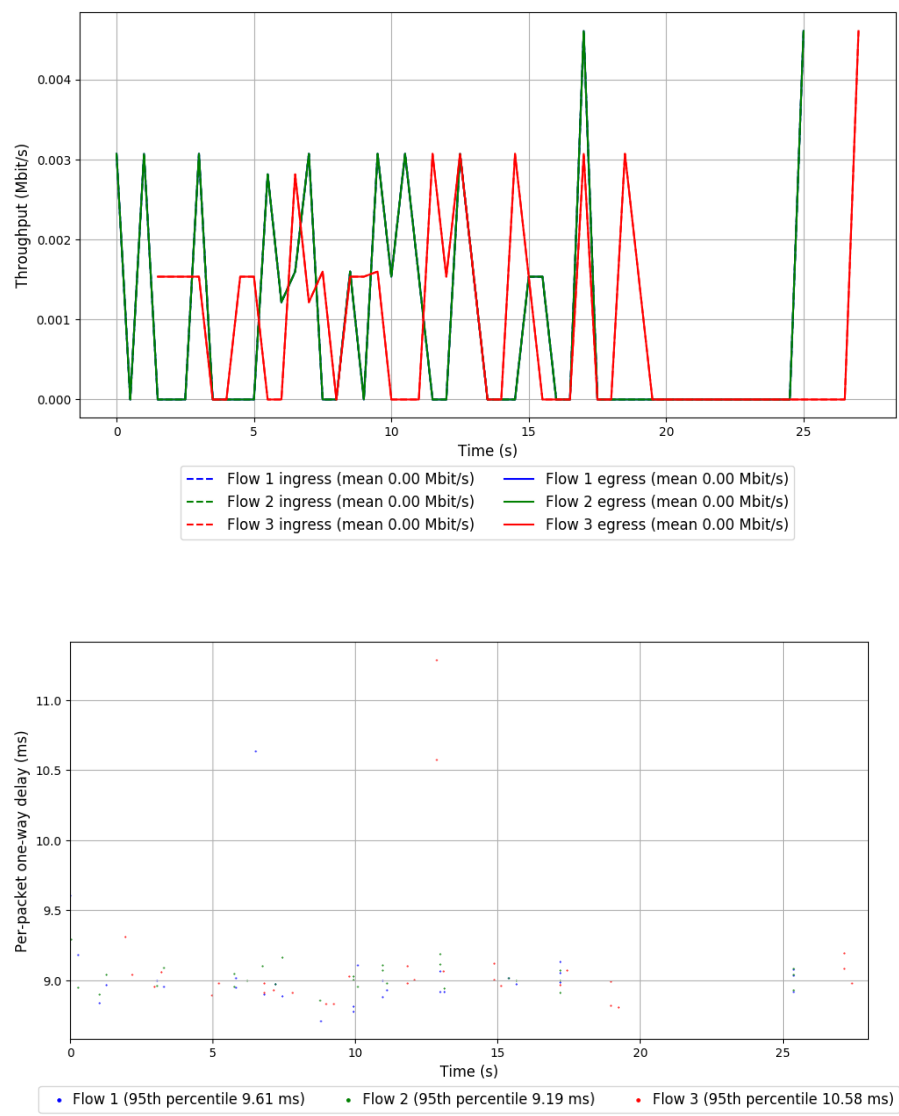
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.577 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 05:42:13 +0000

End at: Sat, 29 Jul 2017 05:42:43 +0000

Local clock offset: 1.429 ms

Remote clock offset: -2.887 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 11.533 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 11.488 ms

Loss rate: 0.00%

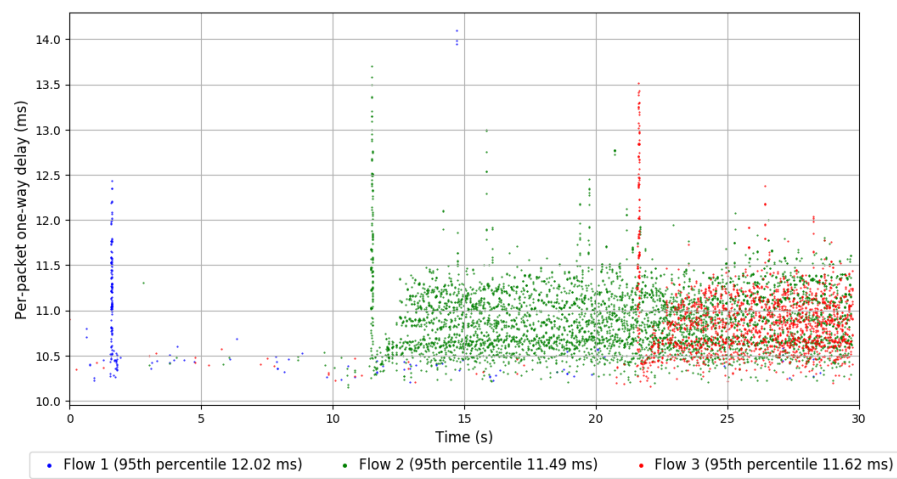
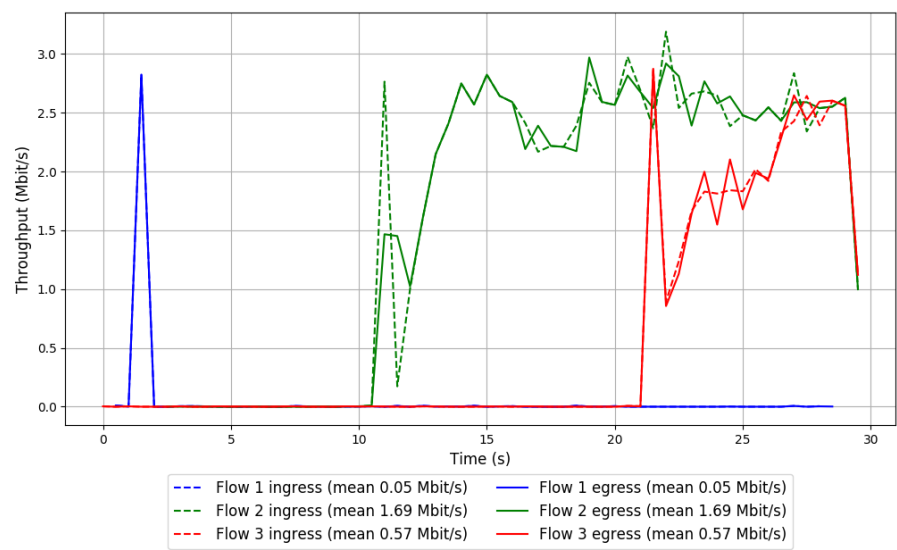
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 11.623 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 06:01:14 +0000

End at: Sat, 29 Jul 2017 06:01:44 +0000

Local clock offset: -0.496 ms

Remote clock offset: -3.186 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 13.245 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 13.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 13.349 ms

Loss rate: 0.00%

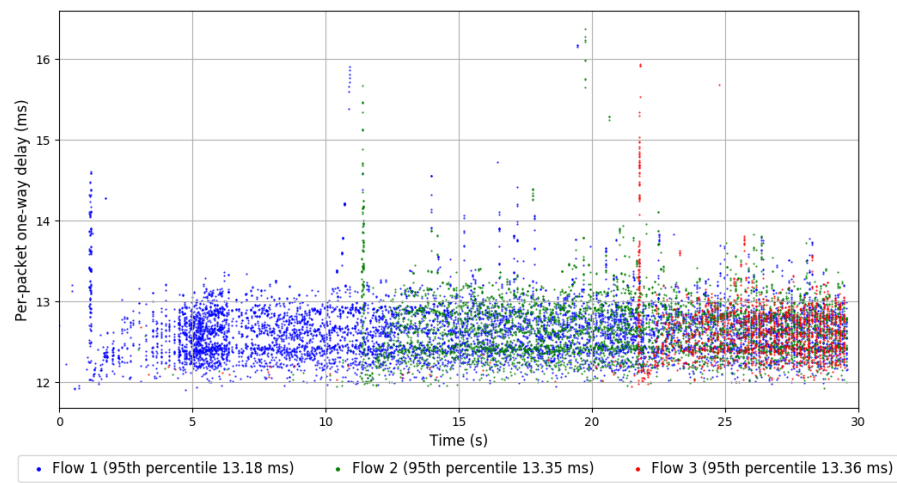
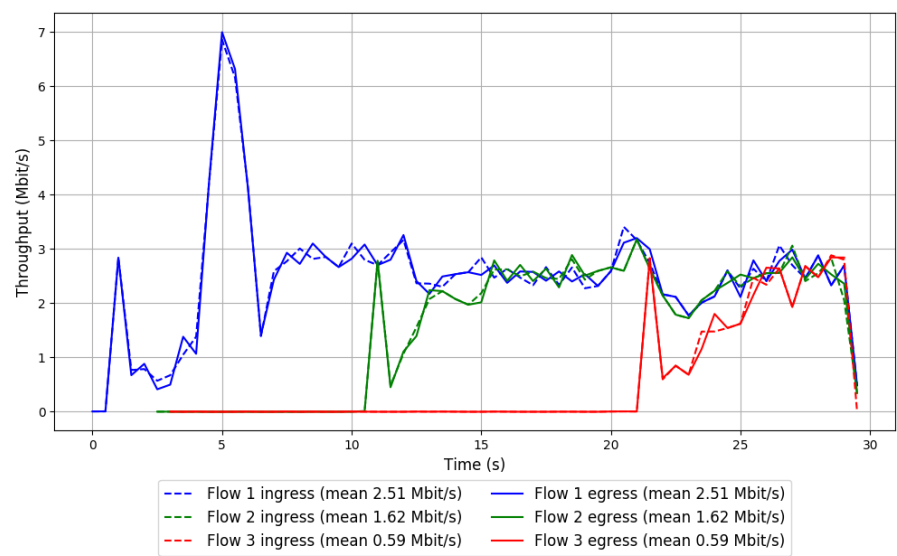
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 13.362 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 29 Jul 2017 06:20:56 +0000

End at: Sat, 29 Jul 2017 06:21:26 +0000

Local clock offset: -0.331 ms

Remote clock offset: -2.291 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 14.629 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 15.271 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 14.564 ms

Loss rate: 0.00%

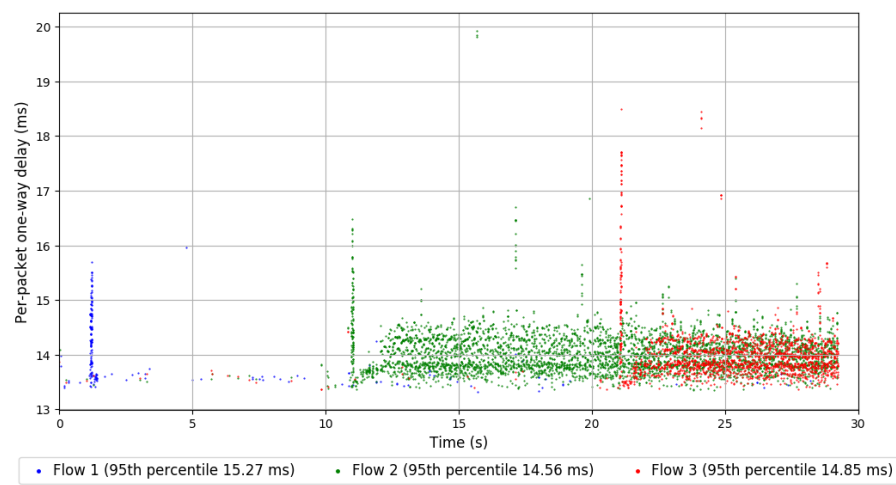
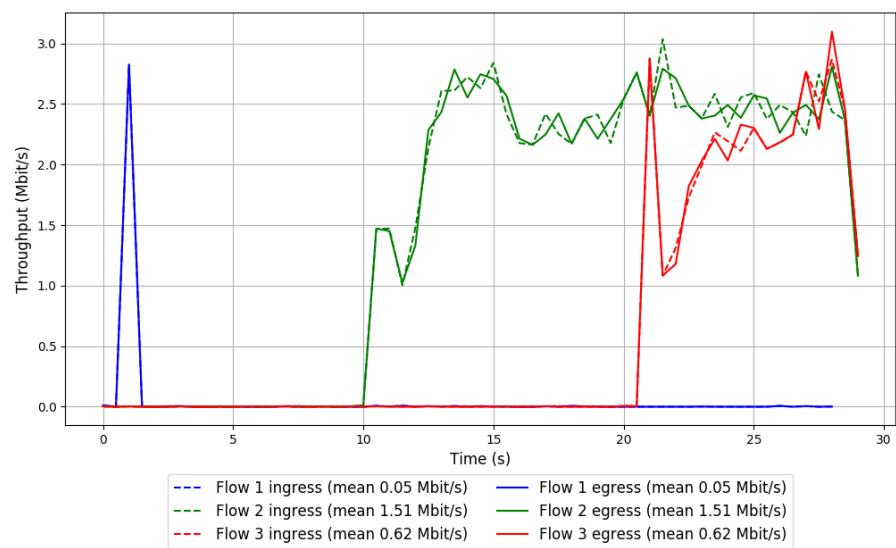
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 14.851 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 06:40:07 +0000

End at: Sat, 29 Jul 2017 06:40:37 +0000

Local clock offset: 2.032 ms

Remote clock offset: -2.472 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 12.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 12.161 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 12.227 ms

Loss rate: 0.00%

-- Flow 3:

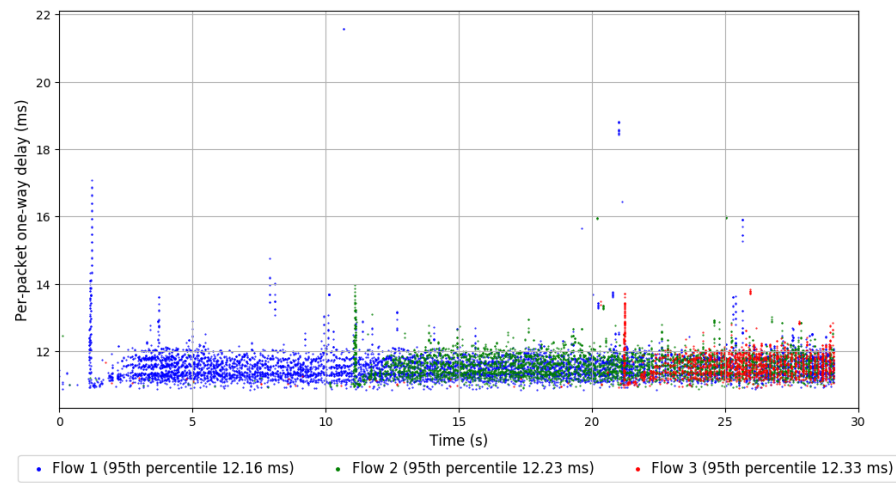
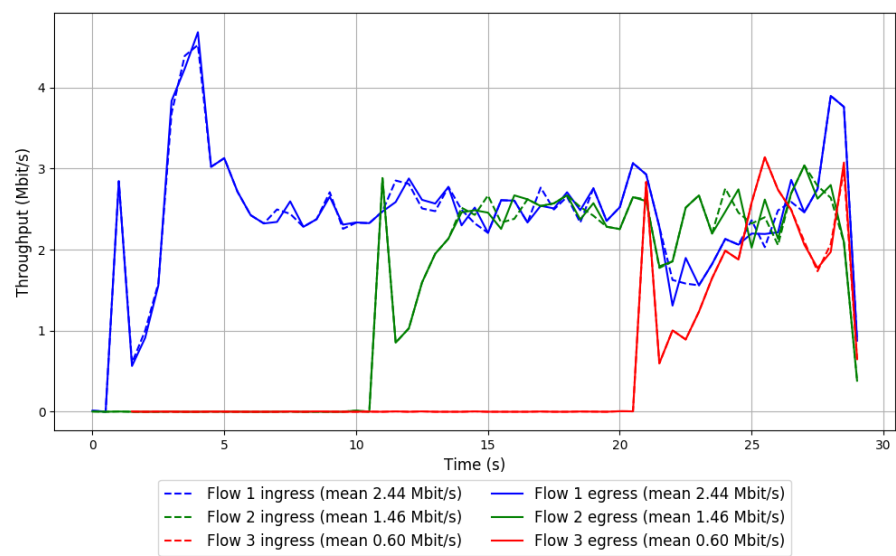
Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 12.327 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 06:59:30 +0000

End at: Sat, 29 Jul 2017 07:00:00 +0000

Local clock offset: -2.465 ms

Remote clock offset: -2.825 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 16.719 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 16.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 16.891 ms

Loss rate: 0.00%

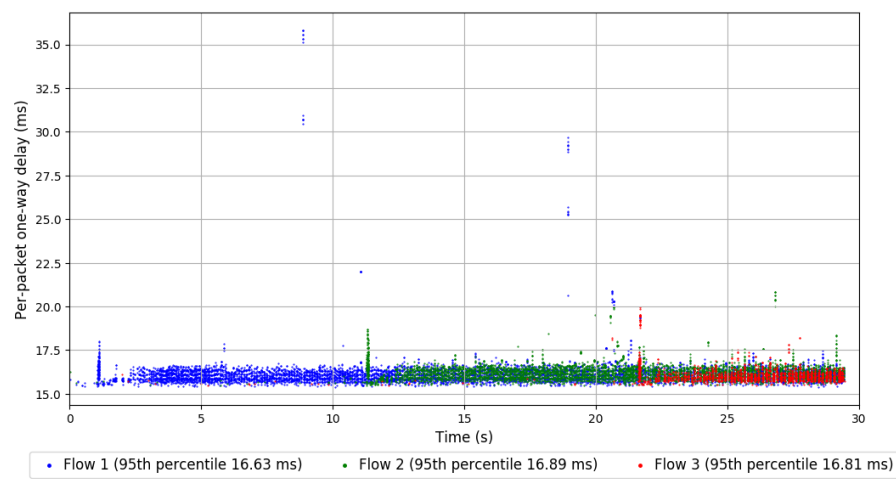
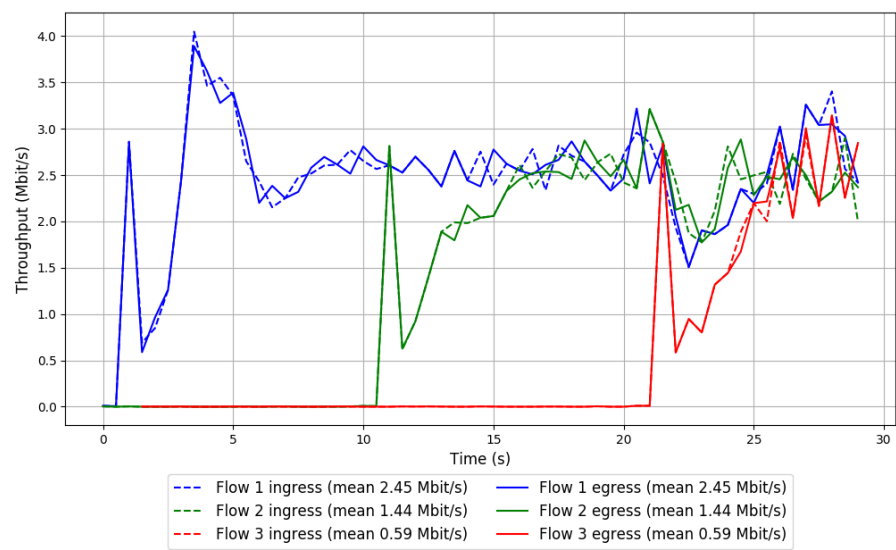
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 16.813 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 07:18:52 +0000

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

Local clock offset: 1.224 ms

Remote clock offset: -3.129 ms

# Below is generated by plot.py at Sat, 29 Jul 2017 11:28:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 13.244 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 13.225 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 13.222 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 13.451 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

