

Pantheon Report

Generated at 2017-09-18 11:45:46 (UTC).

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

Repeated the test of 10 congestion control schemes 10 times.

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

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

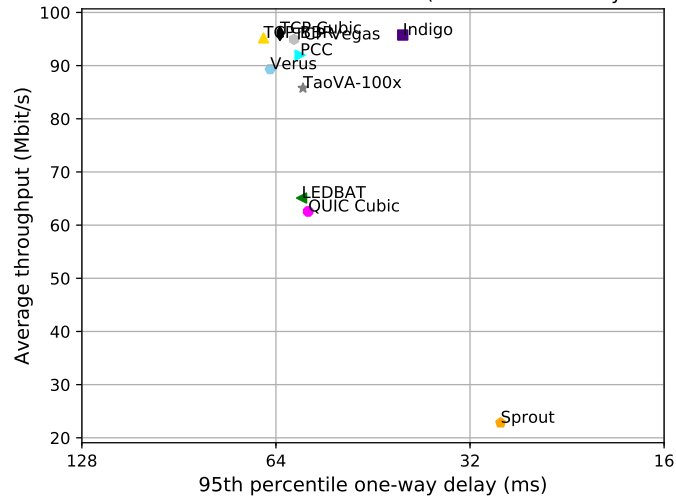
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

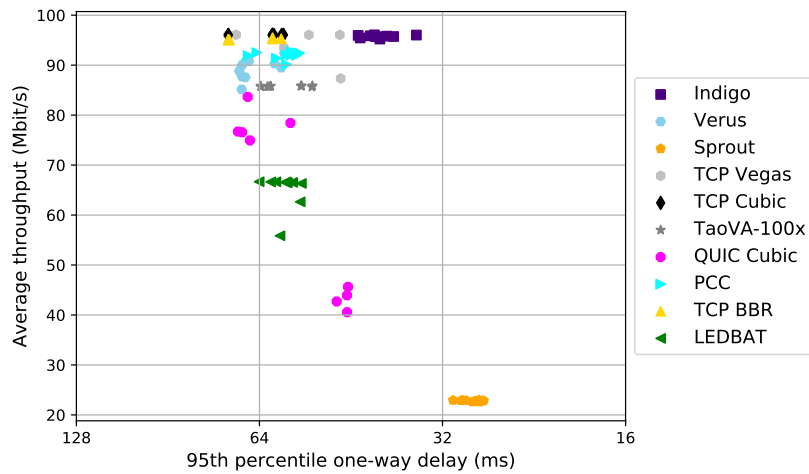
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



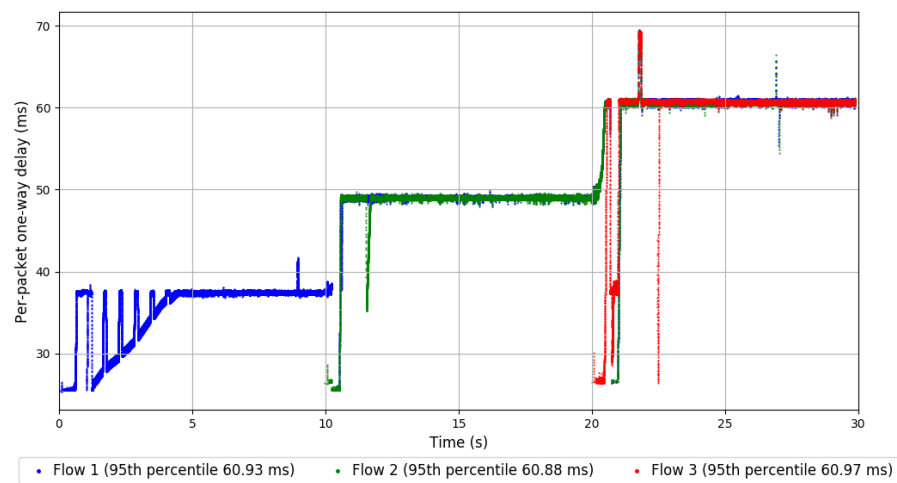
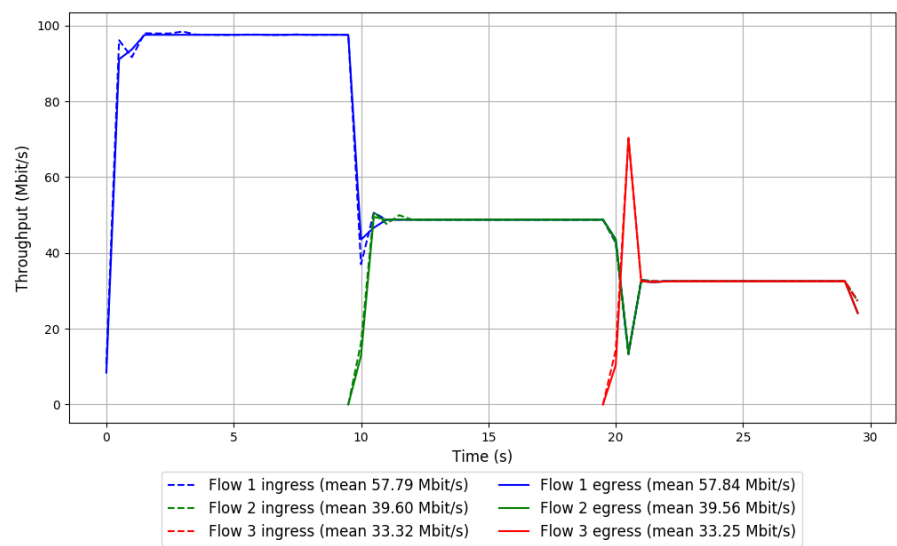
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	7	56.59	37.45	41.27	66.85	66.99	54.06	0.20	0.44	1.05
TCP Cubic	8	59.32	39.06	32.30	60.19	63.13	60.36	0.21	0.55	1.26
Indigo	10	59.12	39.63	31.87	43.11	39.84	41.13	0.16	0.35	0.91
LEDBAT	10	39.46	30.13	16.85	58.85	53.29	45.00	0.30	0.66	1.66
PCC	10	58.90	37.13	25.52	55.01	54.58	60.27	0.20	0.51	1.29
QUIC Cubic	9	46.76	40.89	34.17	44.68	54.81	52.55	0.15	0.50	1.21
Sprout	10	11.55	11.44	11.09	28.59	28.60	29.07	0.27	0.41	0.83
TaoVA-100x	10	51.29	38.65	34.20	54.33	58.23	52.70	0.23	0.43	1.30
TCP Vegas	10	61.98	36.00	27.10	52.41	60.66	59.45	0.21	0.42	1.07
Verus	10	55.13	36.94	29.40	58.62	64.29	60.34	0.21	0.53	0.69

Run 1: Statistics of TCP BBR

Start at: 2017-09-18 06:57:28
End at: 2017-09-18 06:57:58
Local clock offset: 2.014 ms
Remote clock offset: -4.396 ms

Below is generated by plot.py at 2017-09-18 11:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 60.923 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 60.933 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 60.877 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 1.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

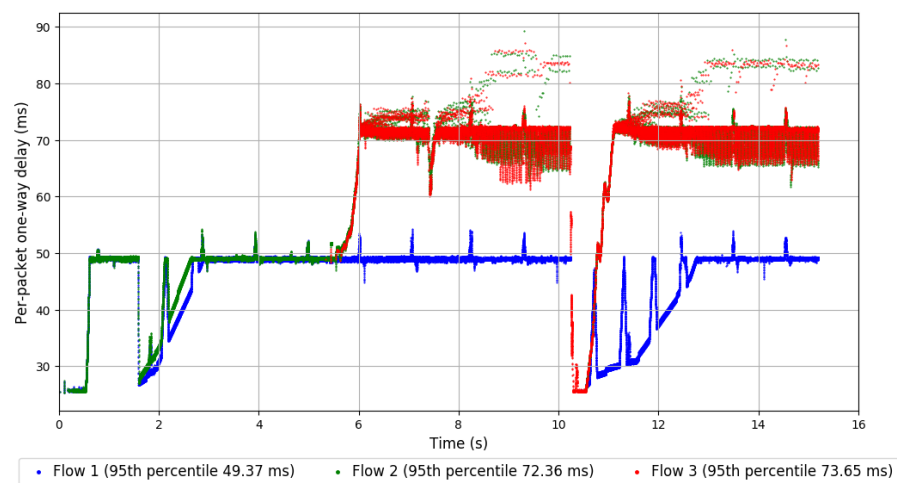
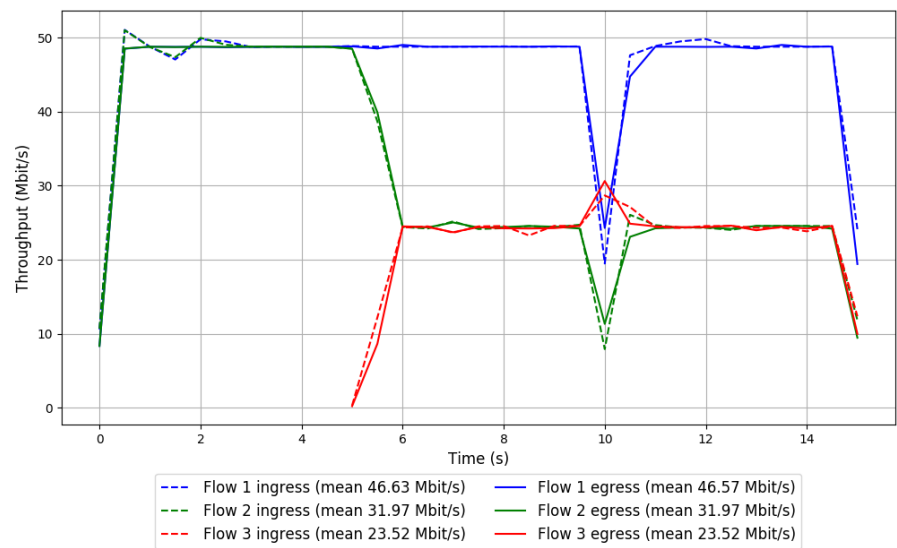
Start at: 2017-09-18 07:11:21

End at: 2017-09-18 07:11:51

Local clock offset: 1.866 ms

Remote clock offset: -3.536 ms

Run 2: Report of TCP BBR — Data Link

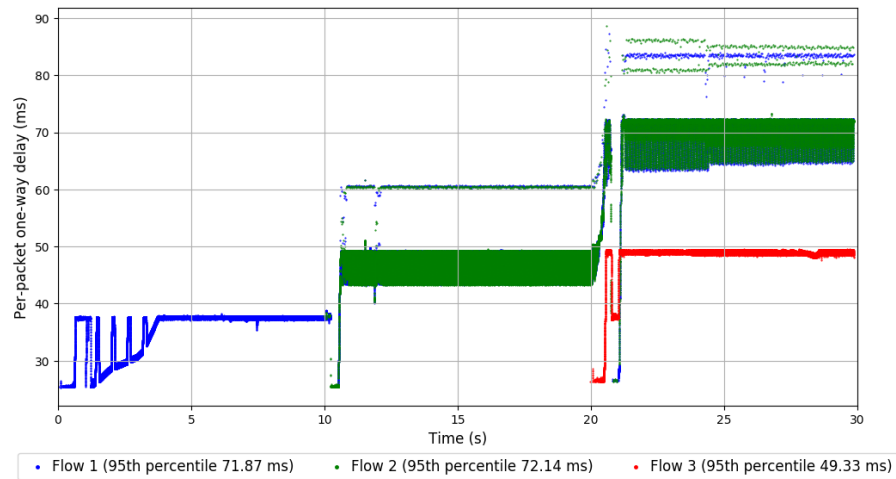
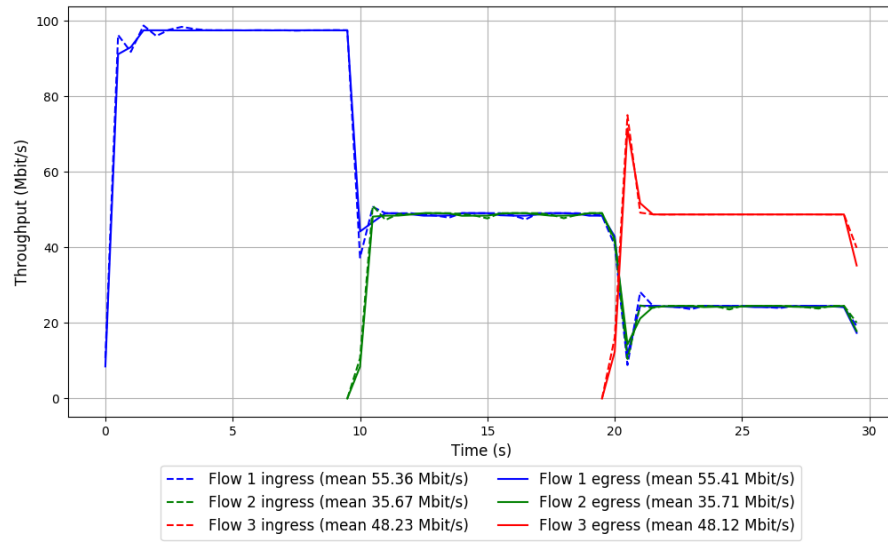


Run 3: Statistics of TCP BBR

Start at: 2017-09-18 07:25:12
End at: 2017-09-18 07:25:42
Local clock offset: 1.88 ms
Remote clock offset: -2.535 ms

Below is generated by plot.py at 2017-09-18 11:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 71.951 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 71.870 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 72.135 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 49.332 ms
Loss rate: 0.98%

Run 3: Report of TCP BBR — Data Link

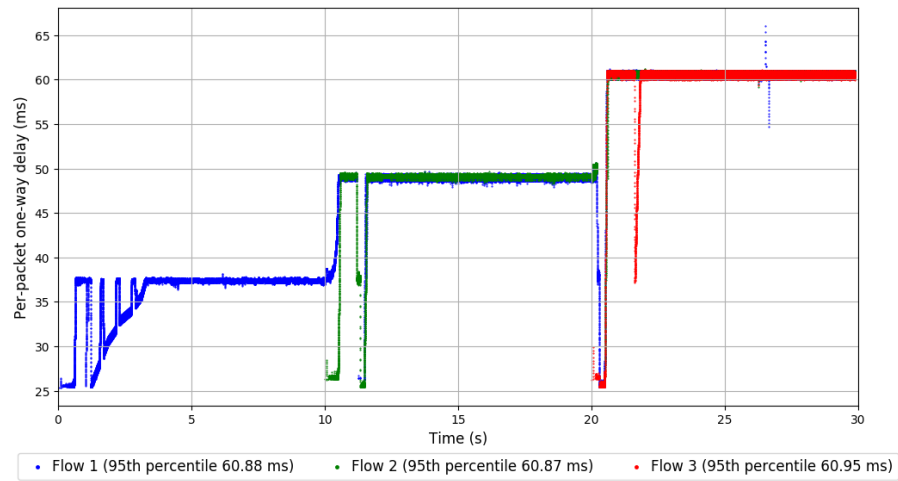
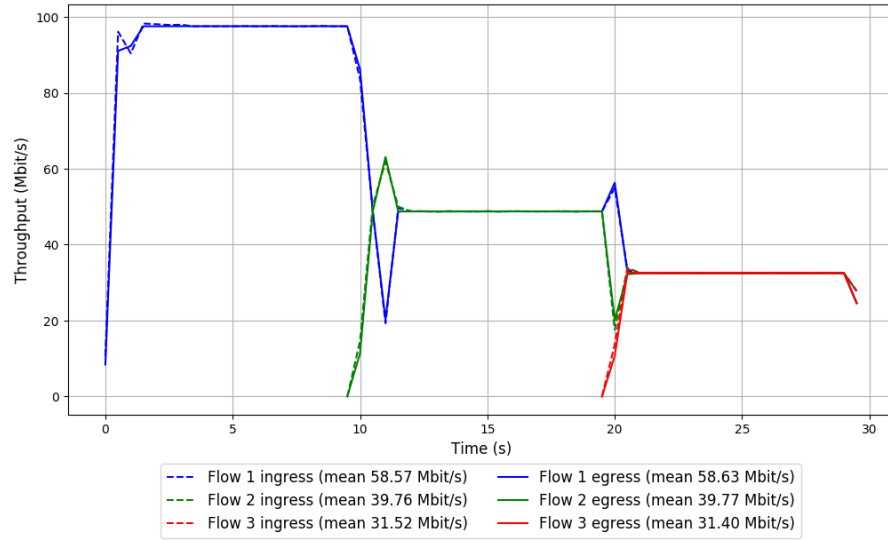


Run 4: Statistics of TCP BBR

Start at: 2017-09-18 07:39:02
End at: 2017-09-18 07:39:32
Local clock offset: 1.668 ms
Remote clock offset: -1.826 ms

Below is generated by plot.py at 2017-09-18 11:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 60.899 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 60.877 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 60.866 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 60.955 ms
Loss rate: 1.13%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-18 07:52:56

End at: 2017-09-18 07:53:26

Local clock offset: 1.532 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2017-09-18 11:31:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 58.944 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 58.804 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 58.953 ms

Loss rate: 0.45%

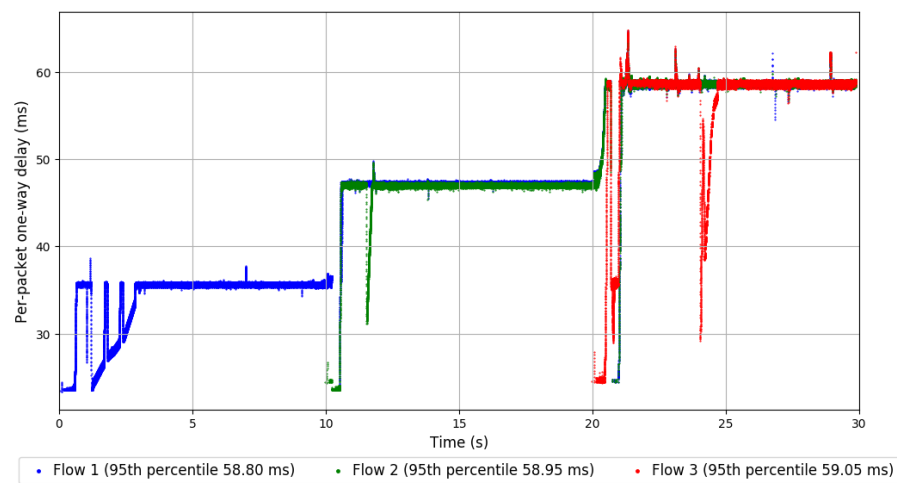
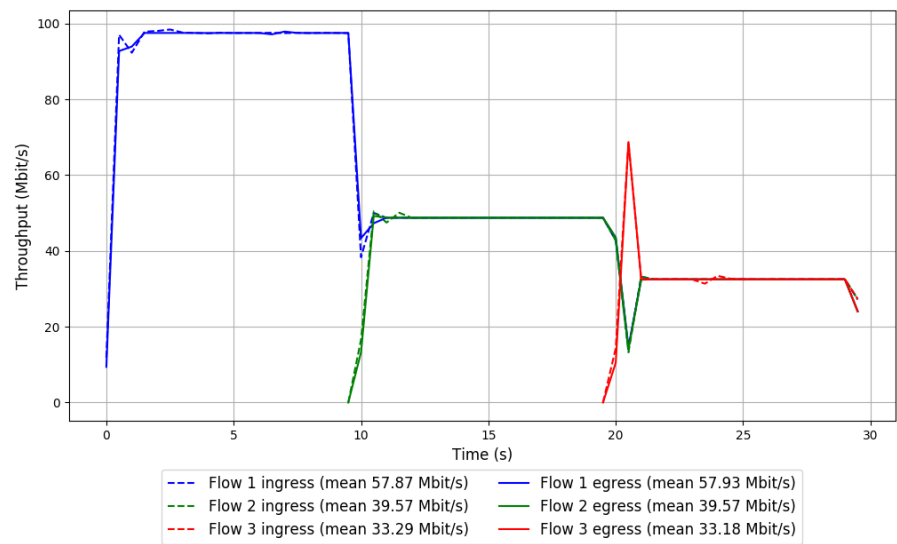
-- Flow 3:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 59.051 ms

Loss rate: 1.07%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

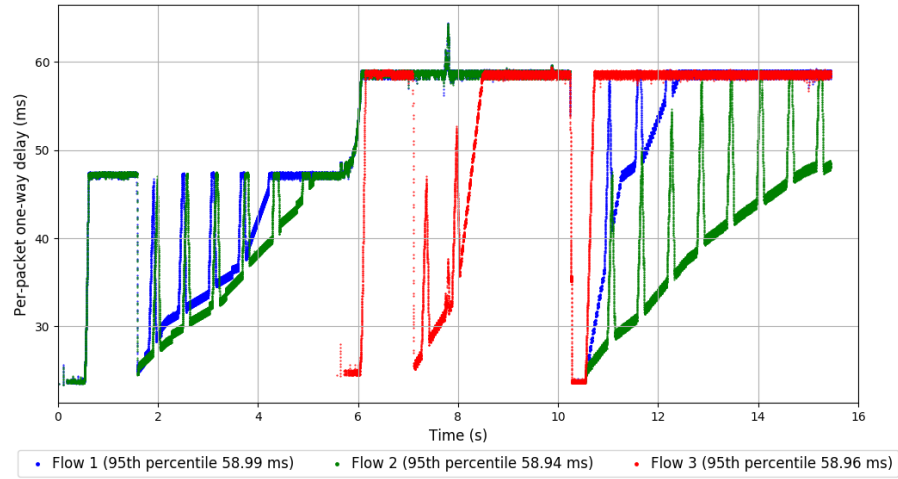
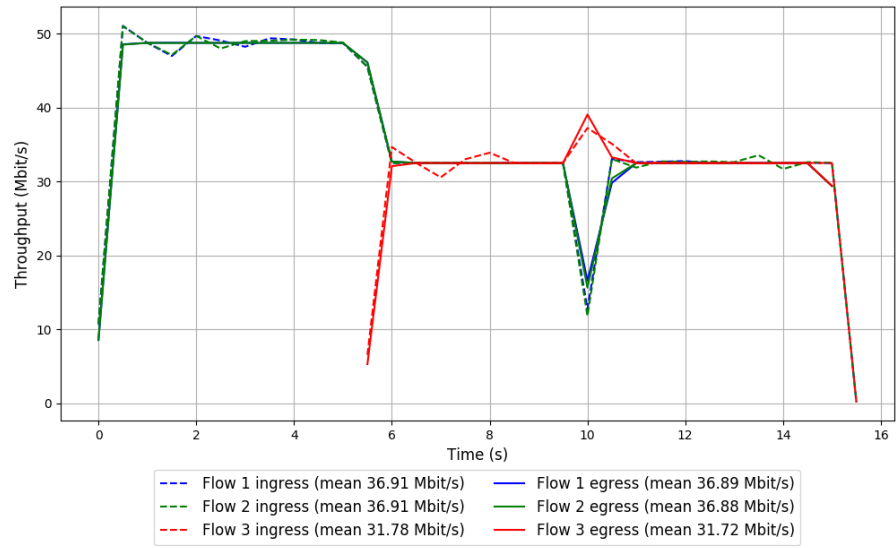
Start at: 2017-09-18 08:06:49

End at: 2017-09-18 08:07:19

Local clock offset: 1.412 ms

Remote clock offset: 1.27 ms

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-18 08:20:46

End at: 2017-09-18 08:21:16

Local clock offset: 1.175 ms

Remote clock offset: -0.54 ms

Below is generated by plot.py at 2017-09-18 11:31:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 71.908 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 71.862 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 72.078 ms

Loss rate: 0.47%

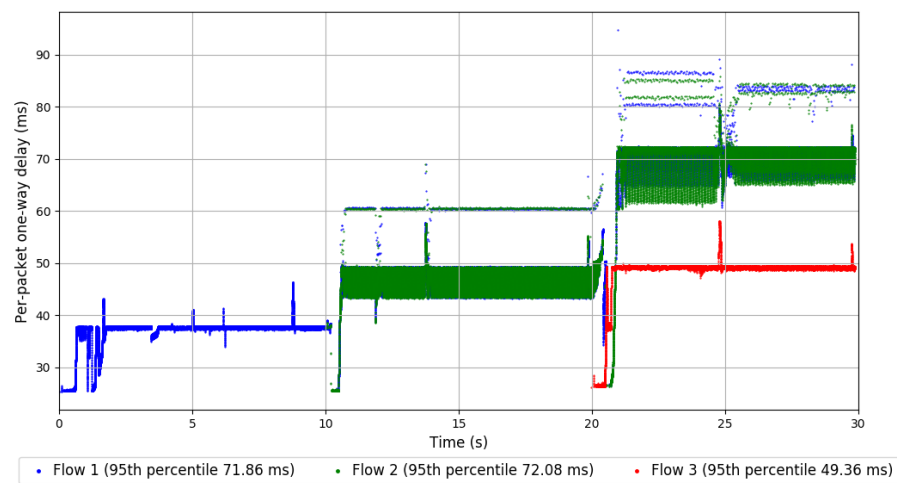
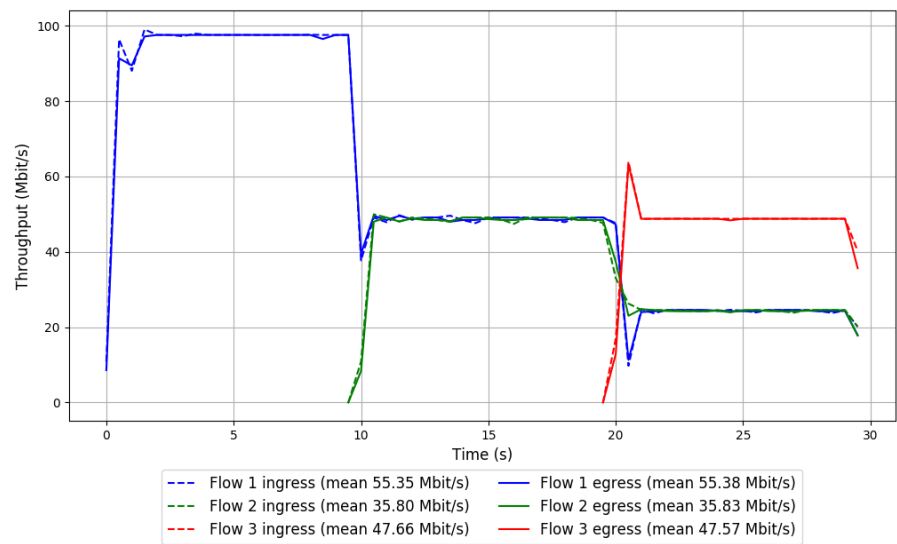
-- Flow 3:

Average throughput: 47.57 Mbit/s

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

Loss rate: 1.03%

Run 7: Report of TCP BBR — Data Link

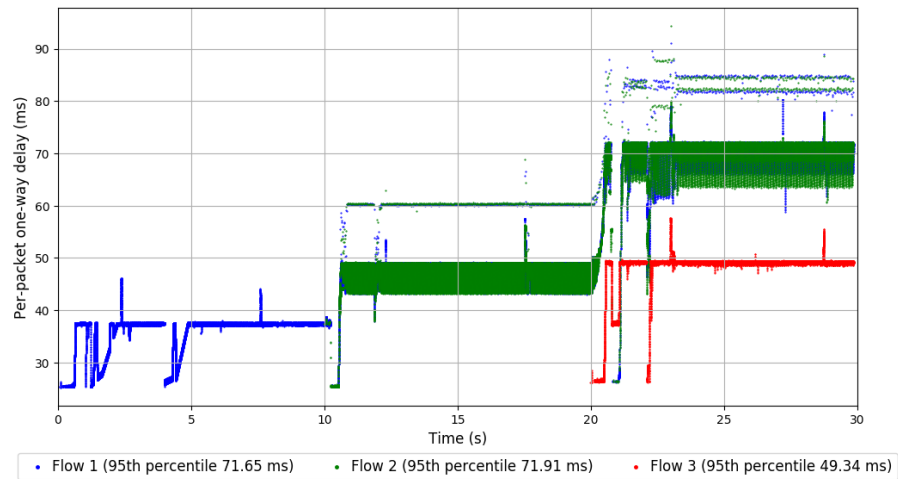
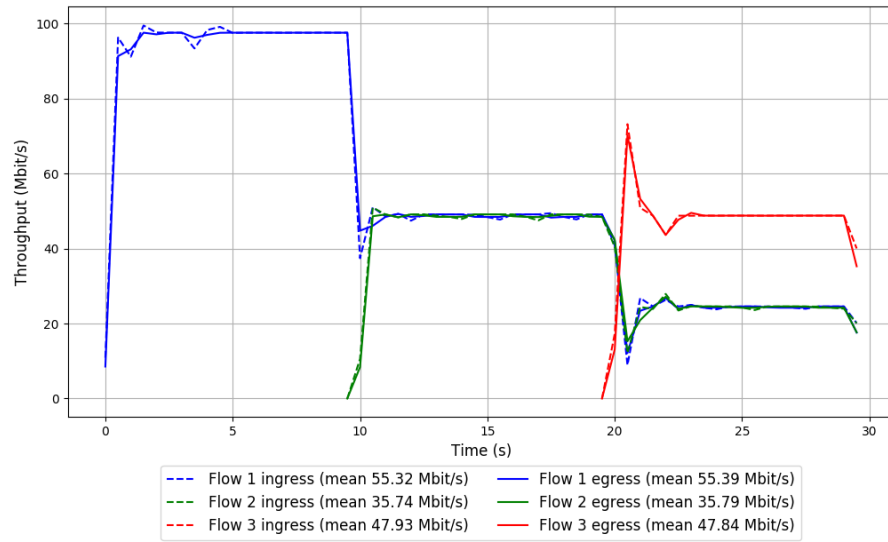


Run 8: Statistics of TCP BBR

Start at: 2017-09-18 08:34:39
End at: 2017-09-18 08:35:09
Local clock offset: 1.035 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2017-09-18 11:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 71.720 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 71.652 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 71.905 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 49.339 ms
Loss rate: 1.03%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

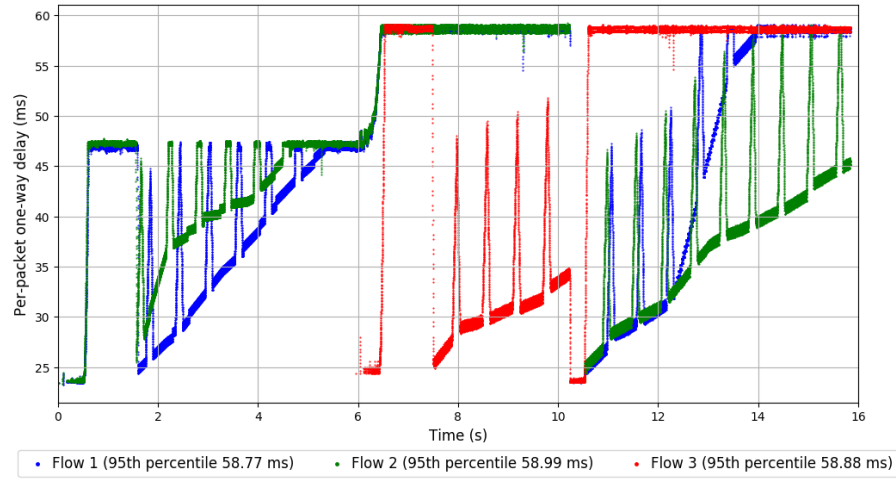
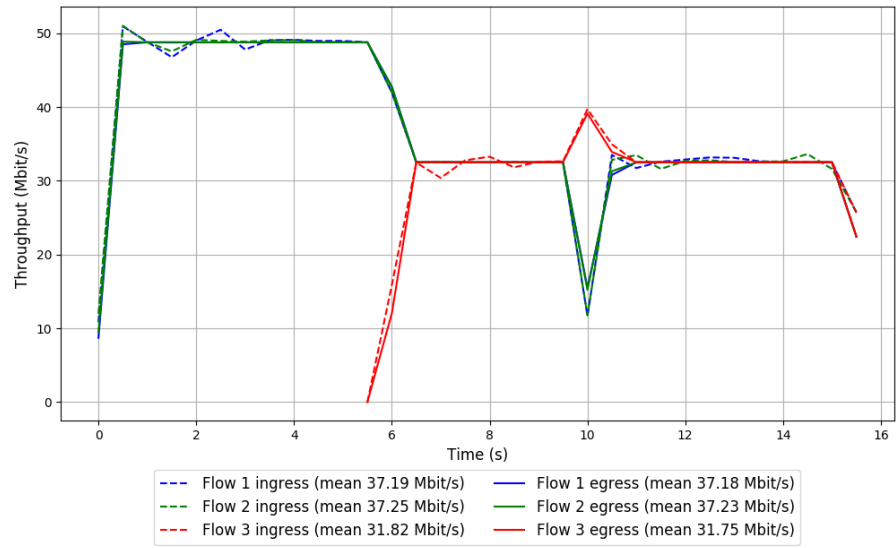
Start at: 2017-09-18 08:48:35

End at: 2017-09-18 08:49:05

Local clock offset: 1.043 ms

Remote clock offset: 1.602 ms

Run 9: Report of TCP BBR — Data Link

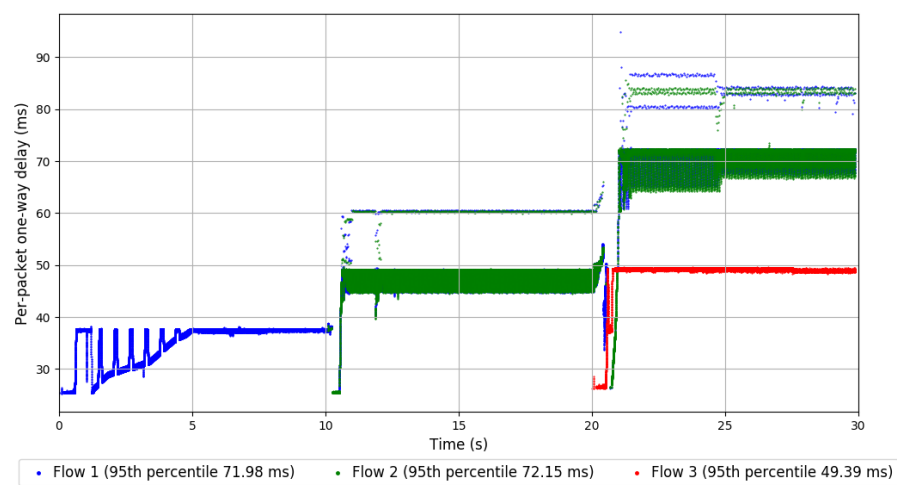
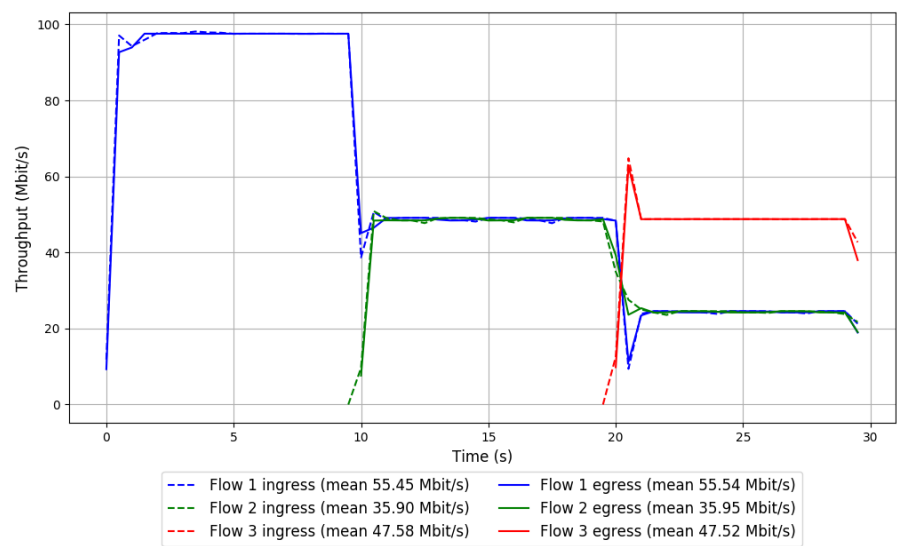


Run 10: Statistics of TCP BBR

Start at: 2017-09-18 09:02:24
End at: 2017-09-18 09:02:54
Local clock offset: 0.944 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2017-09-18 11:32:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 72.016 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 71.976 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 72.147 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 49.388 ms
Loss rate: 1.00%

Run 10: Report of TCP BBR — Data Link

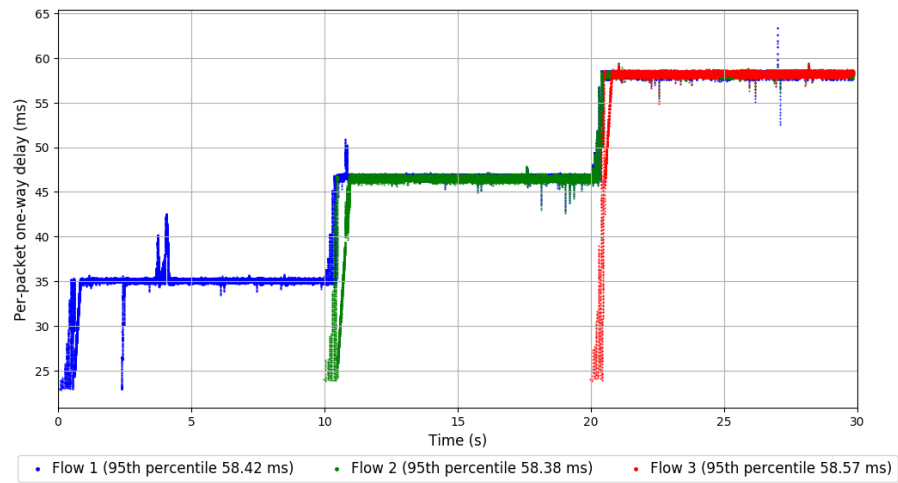
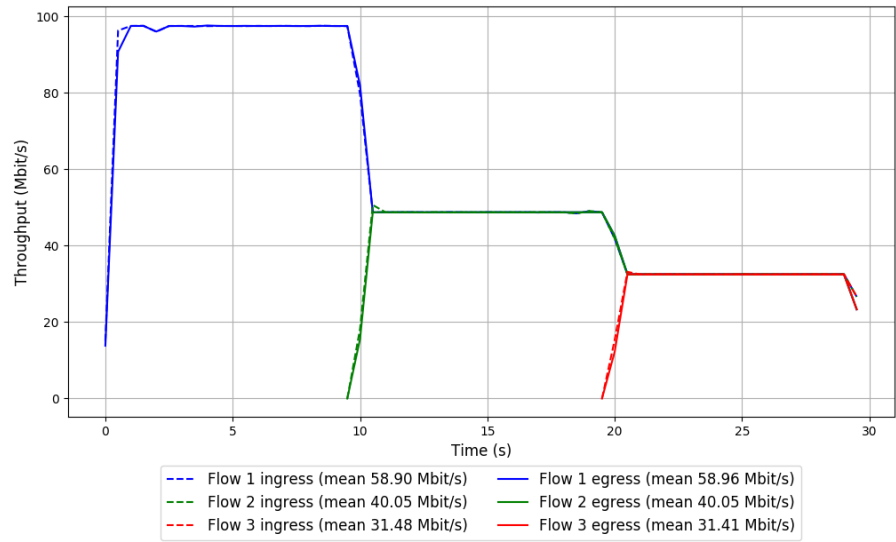


Run 1: Statistics of TCP Cubic

Start at: 2017-09-18 06:46:27
End at: 2017-09-18 06:46:57
Local clock offset: 2.202 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2017-09-18 11:33:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 58.432 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 58.424 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 58.375 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 58.569 ms
Loss rate: 1.13%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-09-18 07:00:16

End at: 2017-09-18 07:00:46

Local clock offset: 1.974 ms

Remote clock offset: -1.76 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

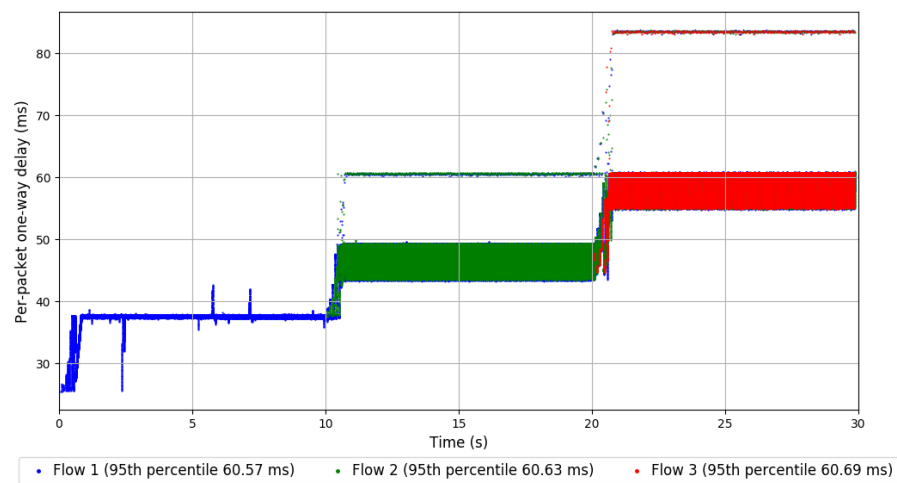
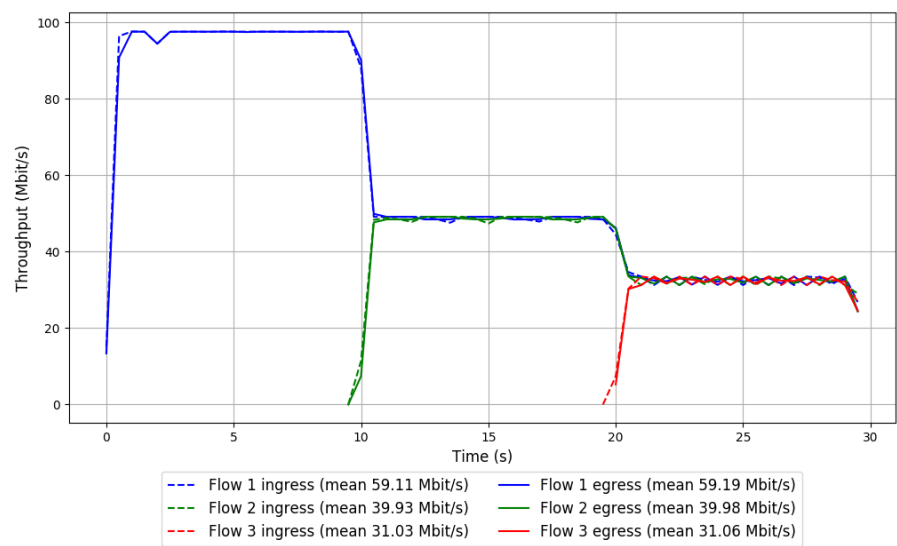
Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2017-09-18 07:14:08
End at: 2017-09-18 07:14:38
Local clock offset: 1.944 ms
Remote clock offset: -3.304 ms

Below is generated by plot.py at 2017-09-18 11:33:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 60.618 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 60.570 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 60.692 ms
Loss rate: 1.09%

Run 3: Report of TCP Cubic — Data Link

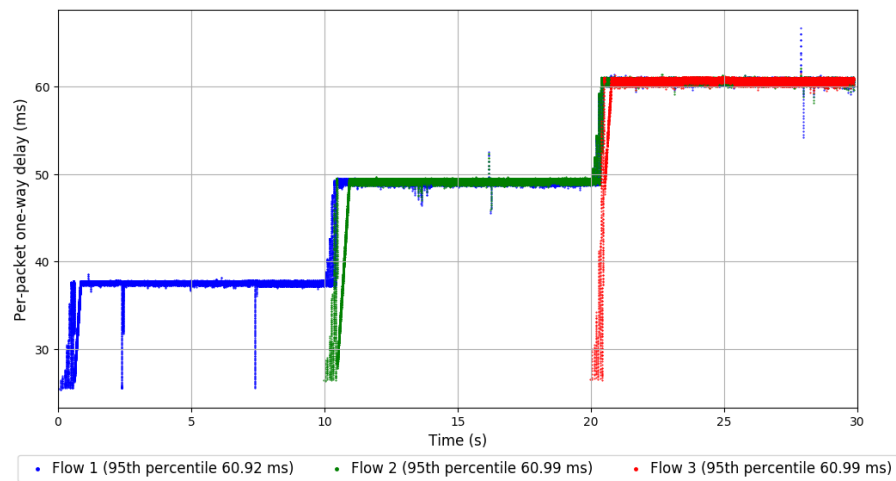
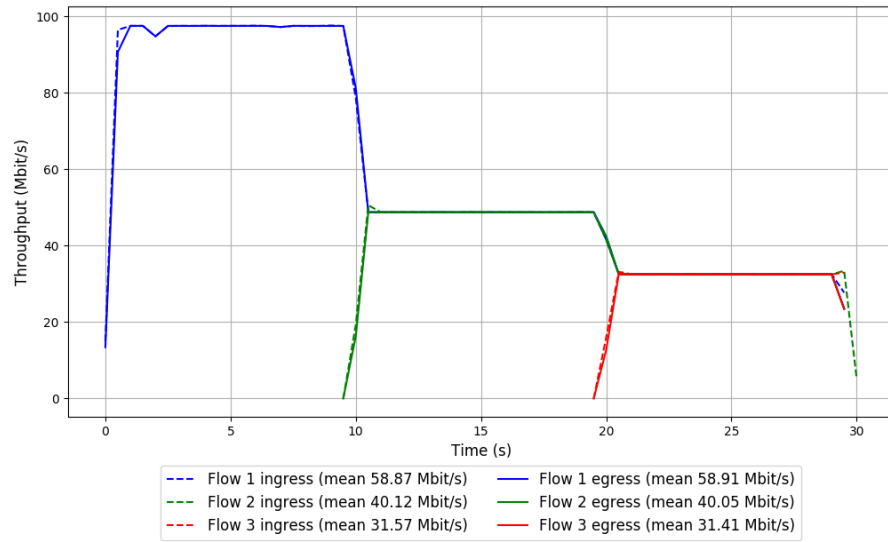


Run 4: Statistics of TCP Cubic

Start at: 2017-09-18 07:28:00
End at: 2017-09-18 07:28:30
Local clock offset: 1.733 ms
Remote clock offset: -2.535 ms

Below is generated by plot.py at 2017-09-18 11:33:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 60.965 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 60.919 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 60.988 ms
Loss rate: 2.12%

Run 4: Report of TCP Cubic — Data Link

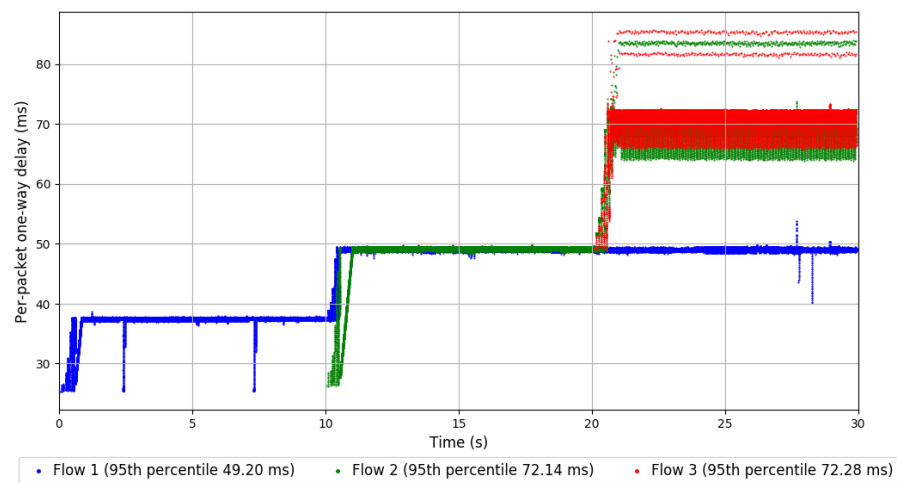
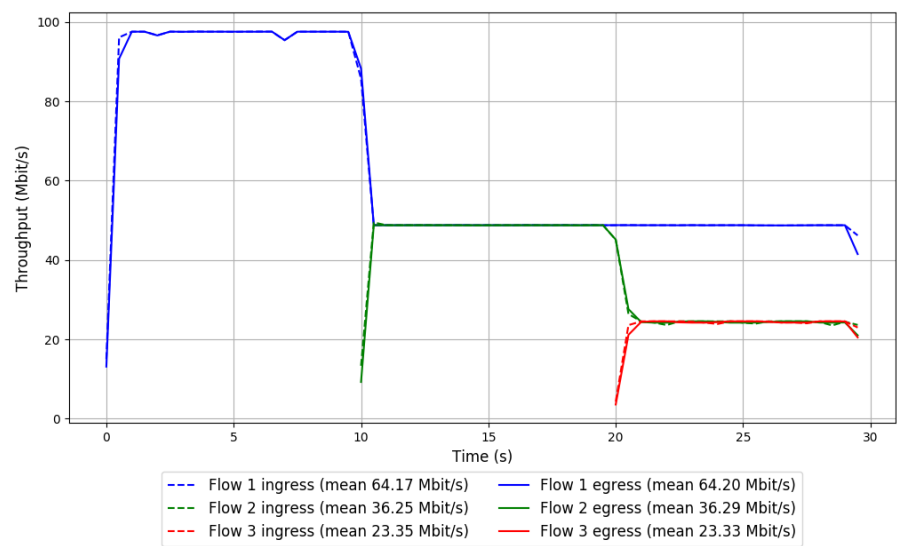


Run 5: Statistics of TCP Cubic

Start at: 2017-09-18 07:41:49
End at: 2017-09-18 07:42:19
Local clock offset: 1.539 ms
Remote clock offset: -1.763 ms

Below is generated by plot.py at 2017-09-18 11:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 49.200 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 72.136 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 72.278 ms
Loss rate: 1.26%

Run 5: Report of TCP Cubic — Data Link

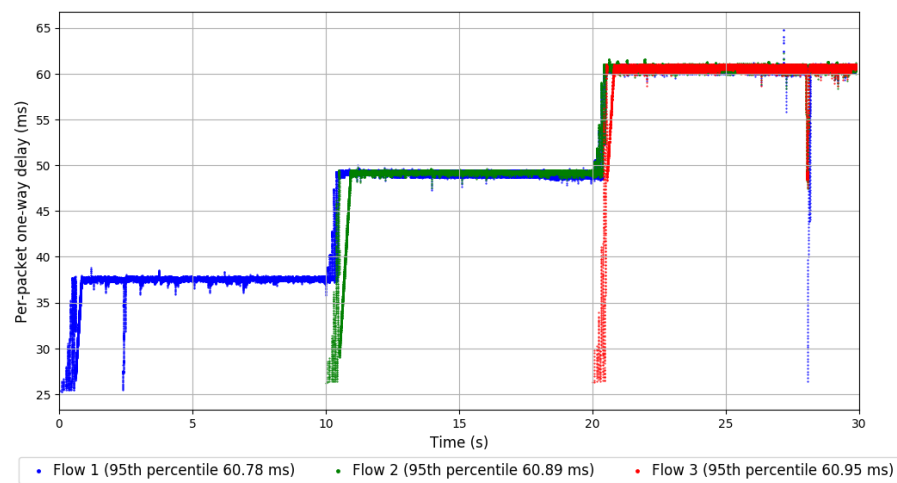
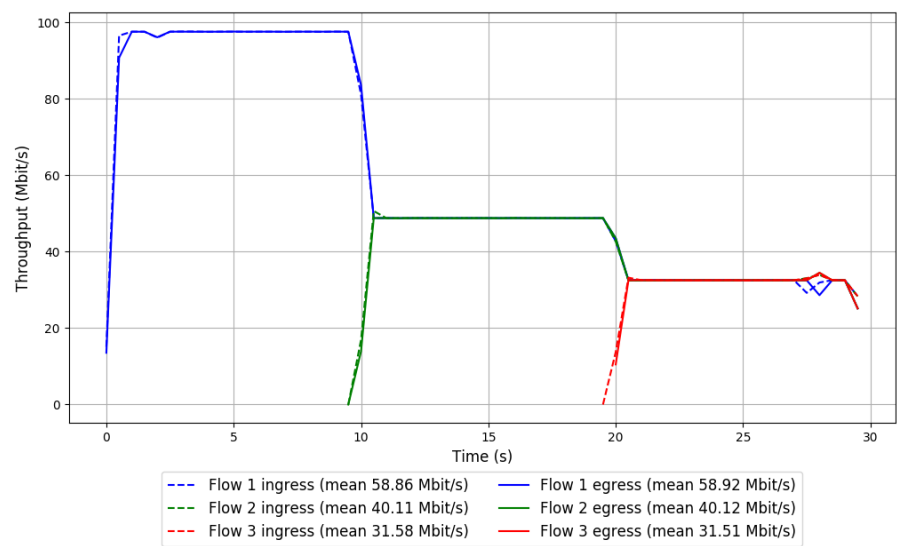


Run 6: Statistics of TCP Cubic

Start at: 2017-09-18 07:55:44
End at: 2017-09-18 07:56:14
Local clock offset: 1.401 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2017-09-18 11:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 60.870 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 60.777 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 60.889 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 60.949 ms
Loss rate: 1.13%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-18 08:09:36

End at: 2017-09-18 08:10:06

Local clock offset: 1.383 ms

Remote clock offset: 1.464 ms

Below is generated by plot.py at 2017-09-18 11:33:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 58.827 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 58.691 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 58.891 ms

Loss rate: 0.45%

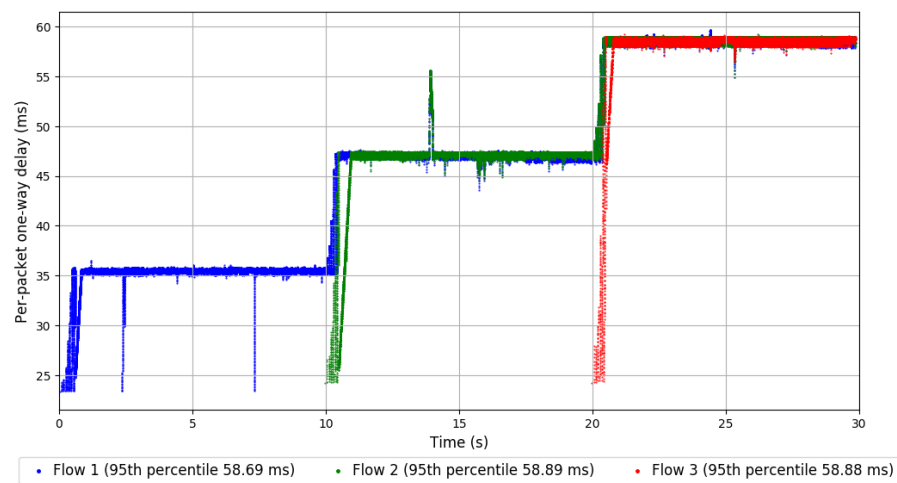
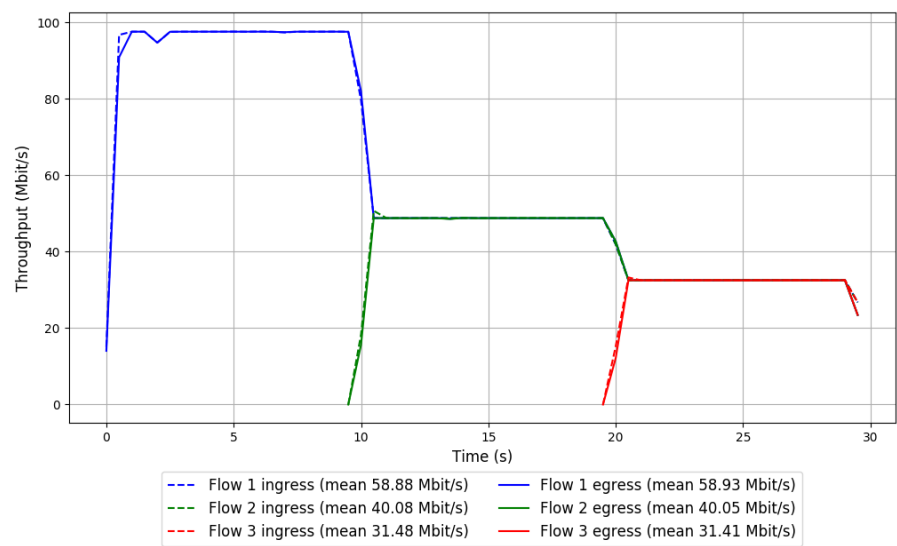
-- Flow 3:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 58.883 ms

Loss rate: 1.13%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-18 08:23:34

End at: 2017-09-18 08:24:04

Local clock offset: 1.237 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2017-09-18 11:33:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 60.979 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 60.944 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 60.957 ms

Loss rate: 0.50%

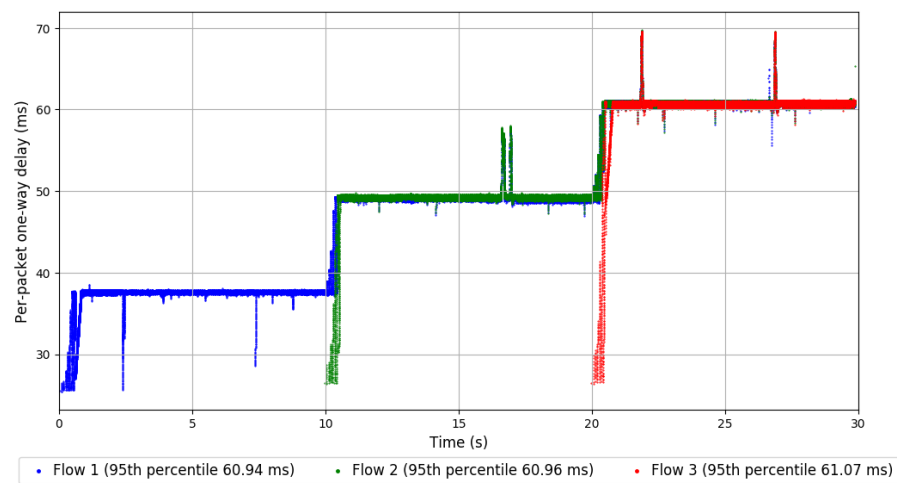
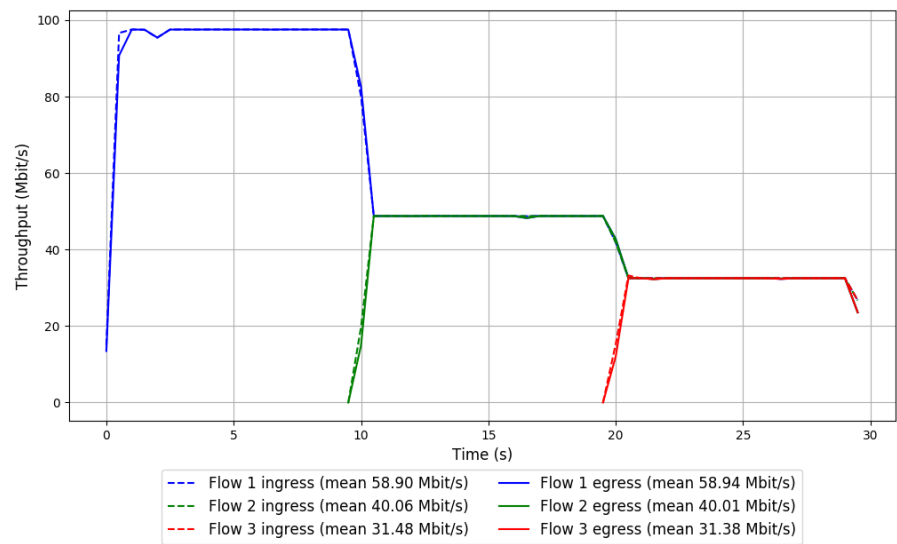
-- Flow 3:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 61.073 ms

Loss rate: 1.21%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-18 08:37:29

End at: 2017-09-18 08:37:59

Local clock offset: 1.122 ms

Remote clock offset: 2.137 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

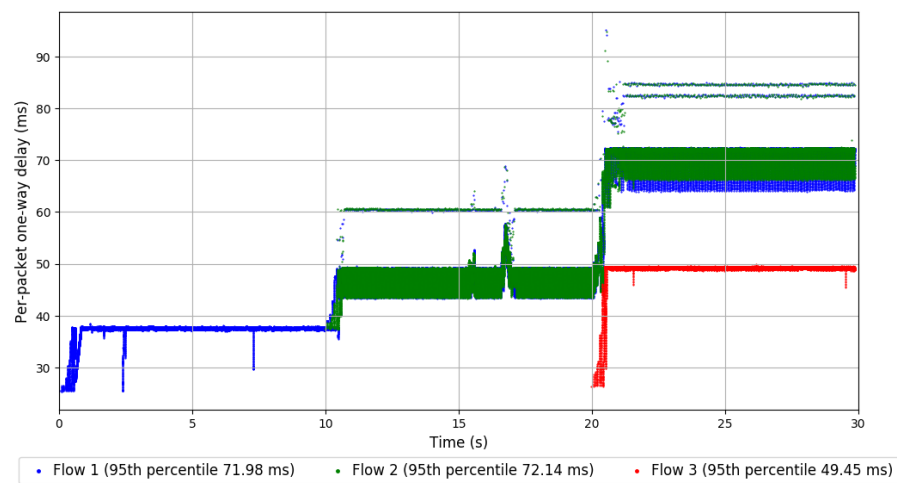
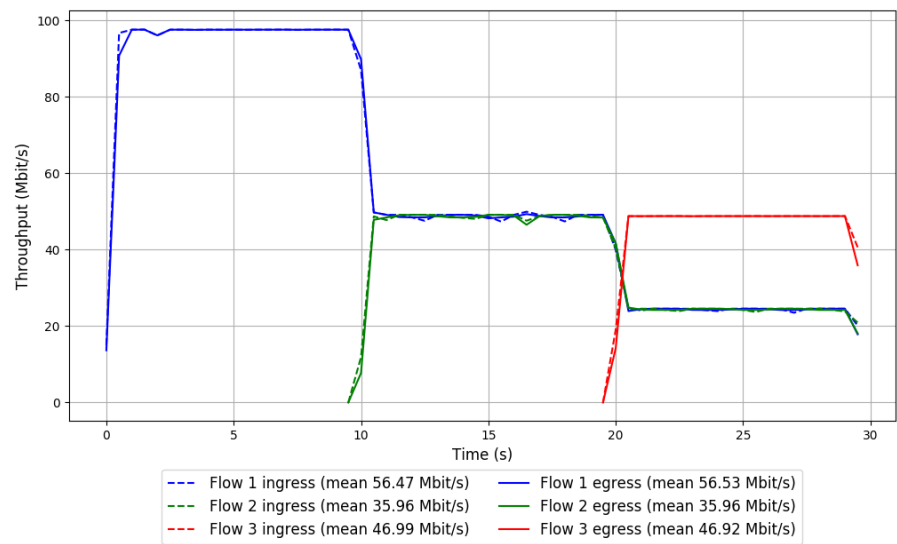
Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2017-09-18 08:51:21
End at: 2017-09-18 08:51:51
Local clock offset: 0.935 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2017-09-18 11:33:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 72.018 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 71.980 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 72.142 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 49.445 ms
Loss rate: 1.01%

Run 10: Report of TCP Cubic — Data Link

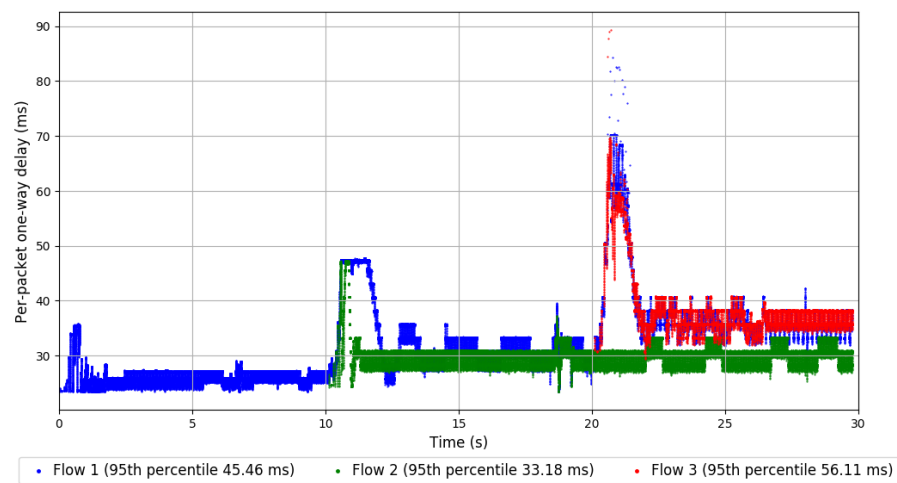
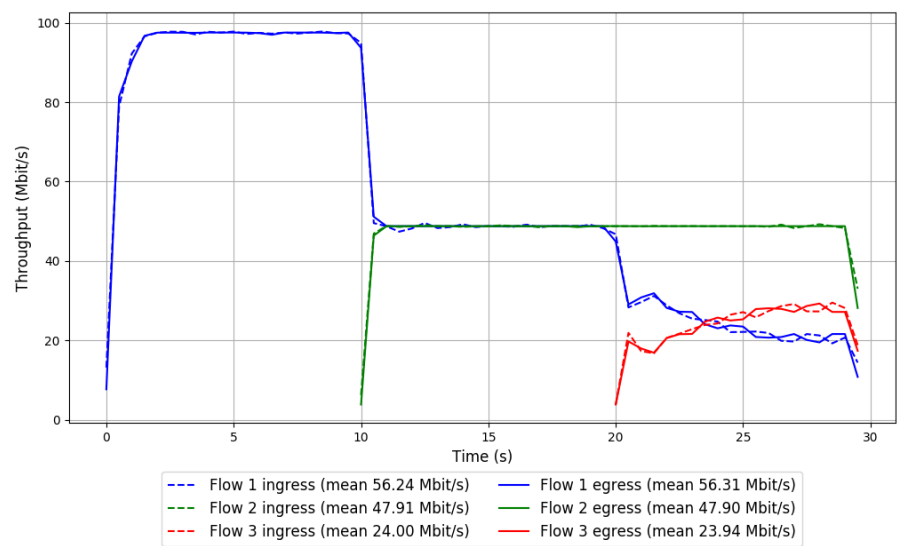


Run 1: Statistics of Indigo

Start at: 2017-09-18 06:50:32
End at: 2017-09-18 06:51:02
Local clock offset: 2.222 ms
Remote clock offset: -2.401 ms

Below is generated by plot.py at 2017-09-18 11:34:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 40.588 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 45.460 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 33.177 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 56.113 ms
Loss rate: 1.07%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-18 07:04:25

End at: 2017-09-18 07:04:55

Local clock offset: 1.925 ms

Remote clock offset: -1.87 ms

Below is generated by plot.py at 2017-09-18 11:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 41.230 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 45.368 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 38.053 ms

Loss rate: 0.33%

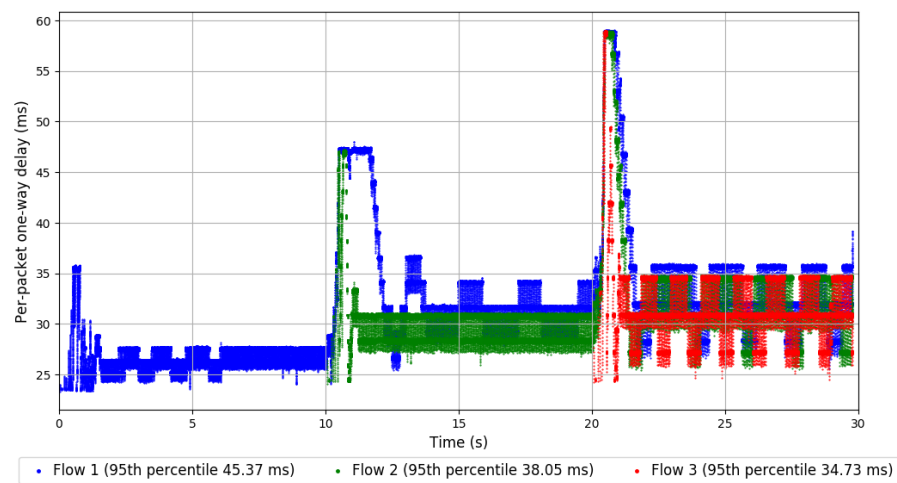
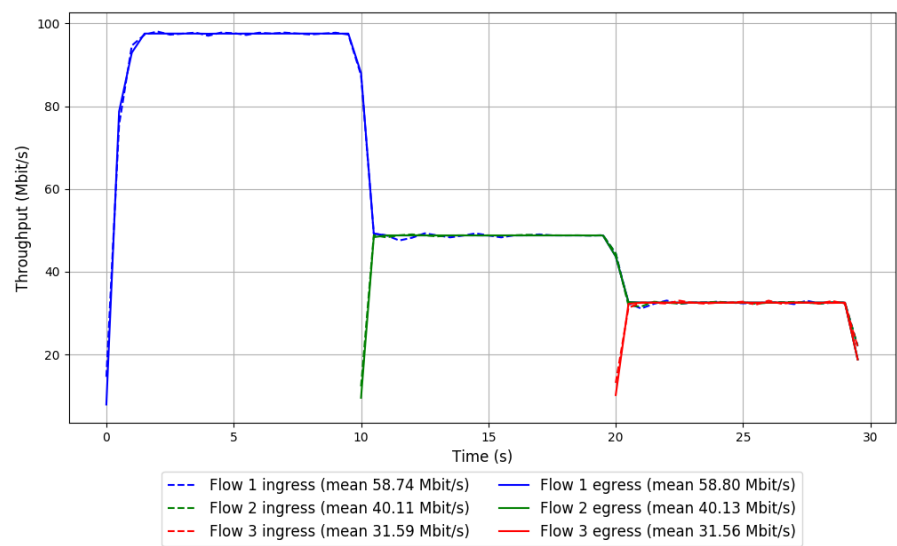
-- Flow 3:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 34.733 ms

Loss rate: 0.81%

Run 2: Report of Indigo — Data Link

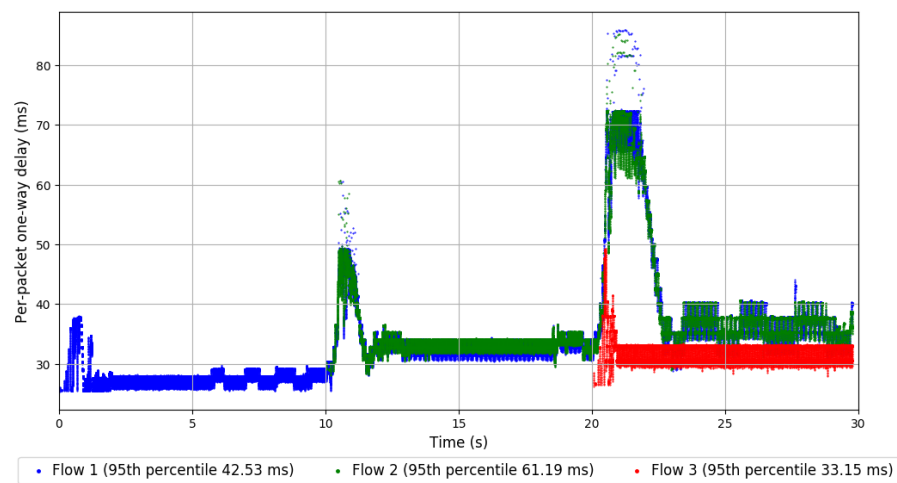
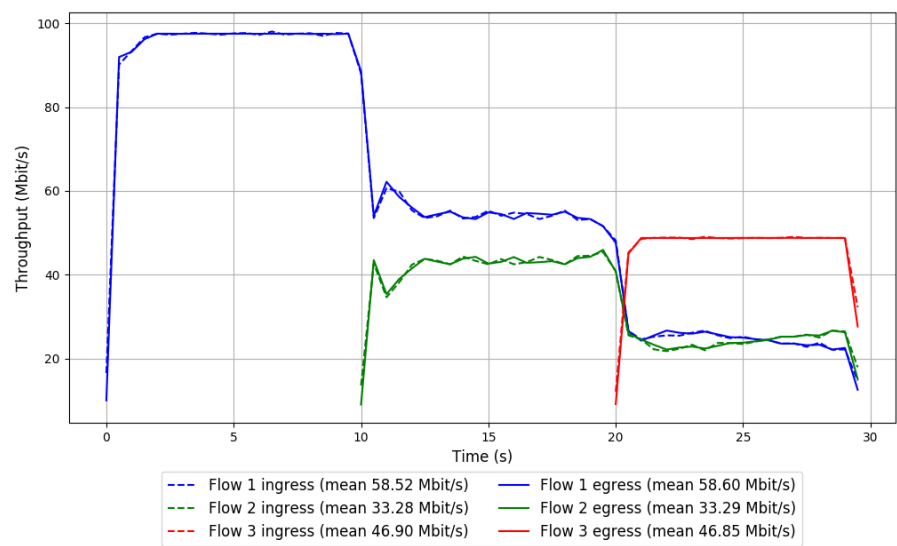


Run 3: Statistics of Indigo

Start at: 2017-09-18 07:18:16
End at: 2017-09-18 07:18:46
Local clock offset: 1.804 ms
Remote clock offset: -3.088 ms

Below is generated by plot.py at 2017-09-18 11:34:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 44.042 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 42.532 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 61.189 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 33.150 ms
Loss rate: 0.85%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-18 07:32:07

End at: 2017-09-18 07:32:37

Local clock offset: 1.78 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2017-09-18 11:34:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 41.418 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 56.40 Mbit/s

95th percentile per-packet one-way delay: 46.403 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 47.83 Mbit/s

95th percentile per-packet one-way delay: 31.827 ms

Loss rate: 0.42%

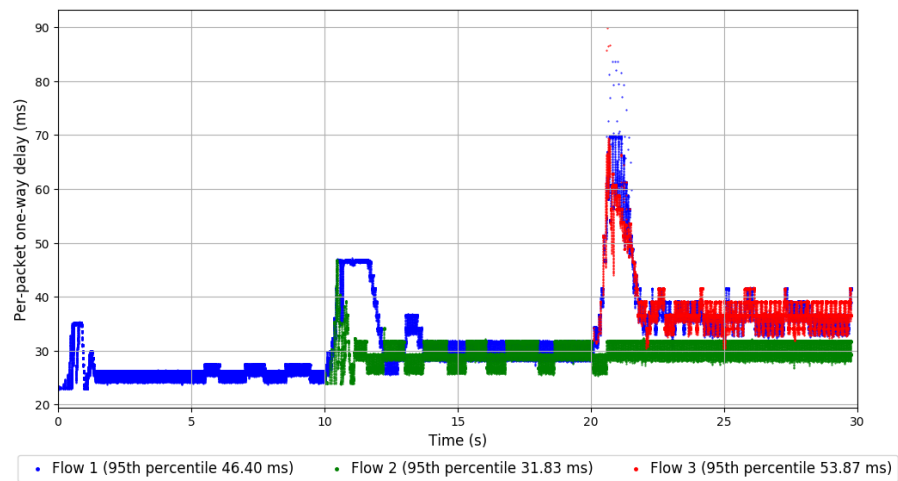
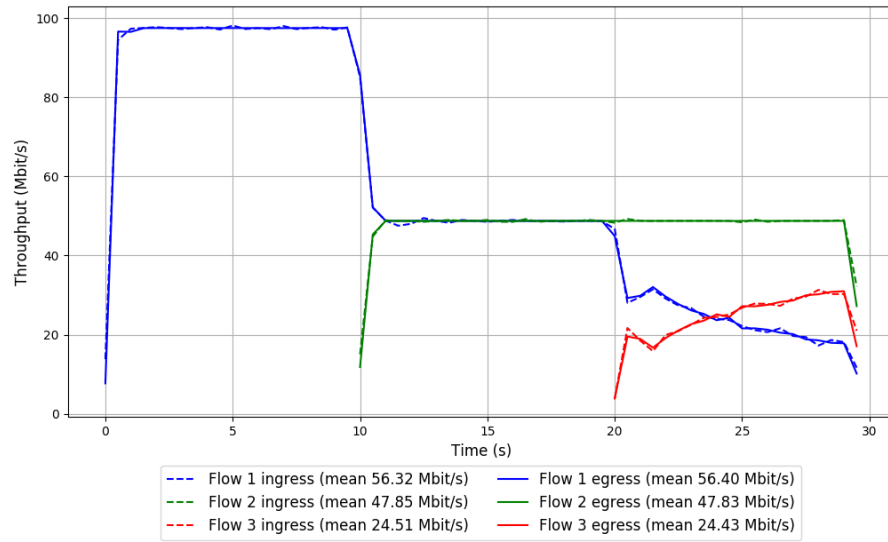
-- Flow 3:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 53.871 ms

Loss rate: 1.15%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-18 07:45:59

End at: 2017-09-18 07:46:29

Local clock offset: 1.597 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2017-09-18 11:34:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 40.567 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 45.365 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 34.714 ms

Loss rate: 0.33%

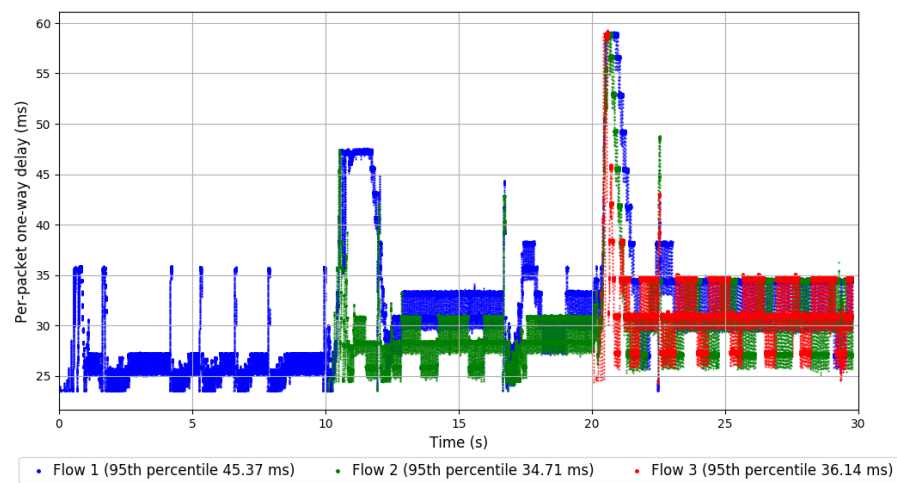
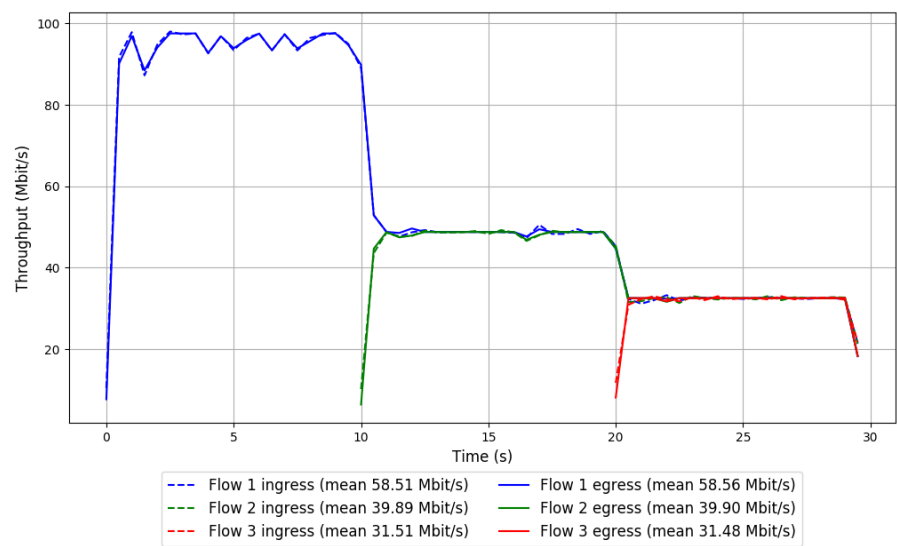
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 36.137 ms

Loss rate: 0.85%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-18 07:59:54

End at: 2017-09-18 08:00:24

Local clock offset: 1.449 ms

Remote clock offset: 1.449 ms

Below is generated by plot.py at 2017-09-18 11:34:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 39.493 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 37.200 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 28.68 Mbit/s

95th percentile per-packet one-way delay: 51.159 ms

Loss rate: 0.41%

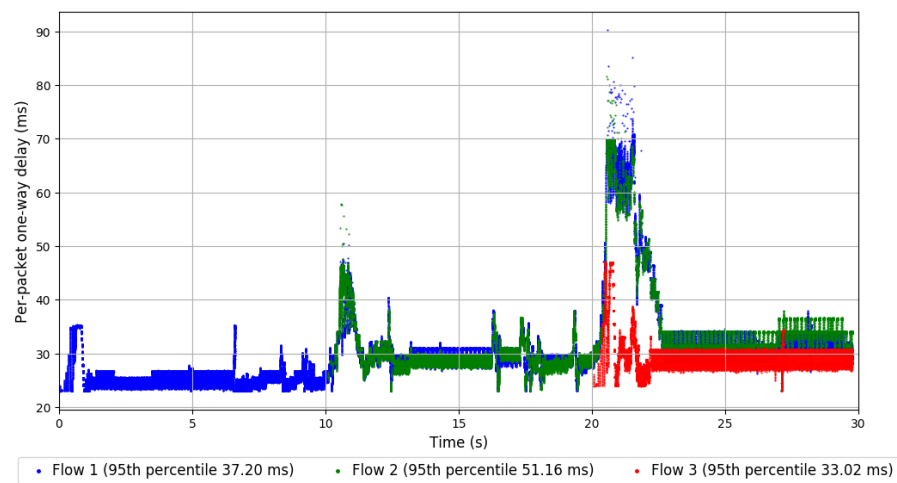
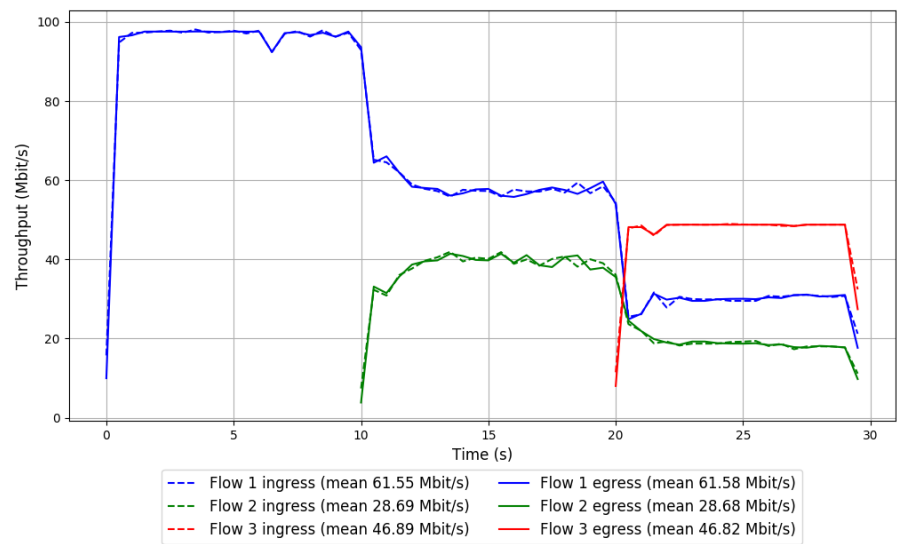
-- Flow 3:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 33.018 ms

Loss rate: 0.90%

Run 6: Report of Indigo — Data Link

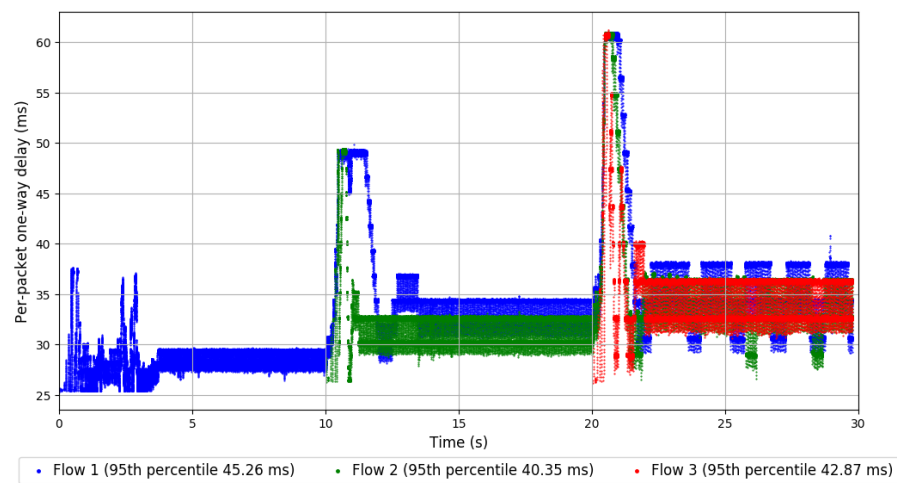
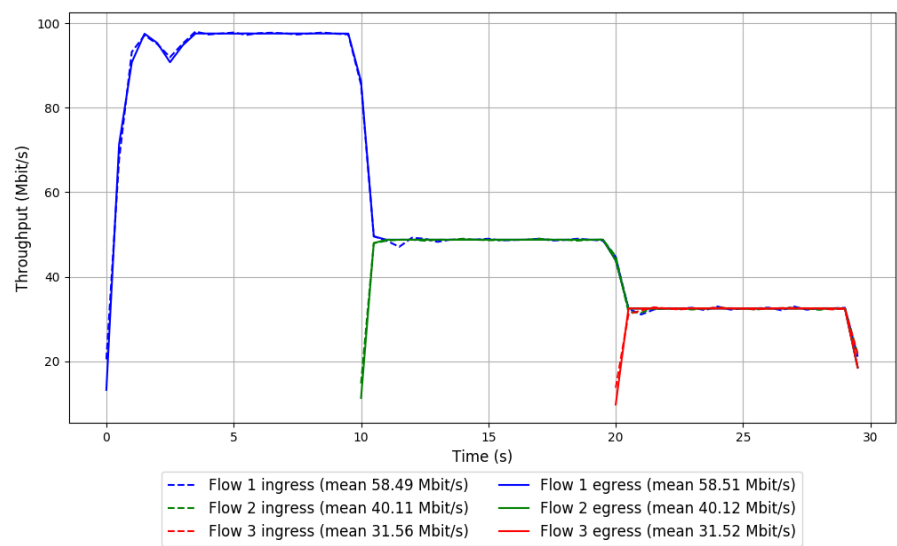


Run 7: Statistics of Indigo

Start at: 2017-09-18 08:13:43
End at: 2017-09-18 08:14:13
Local clock offset: 1.242 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2017-09-18 11:34:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 43.709 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 45.261 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 40.354 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 42.865 ms
Loss rate: 0.85%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-18 08:27:42

End at: 2017-09-18 08:28:12

Local clock offset: 1.103 ms

Remote clock offset: 2.16 ms

Below is generated by plot.py at 2017-09-18 11:35:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 35.329 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 35.180 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 37.478 ms

Loss rate: 0.31%

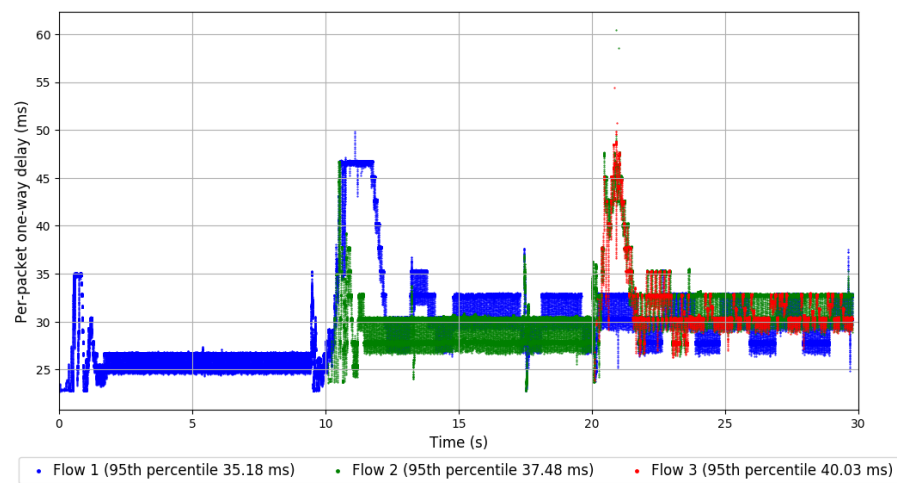
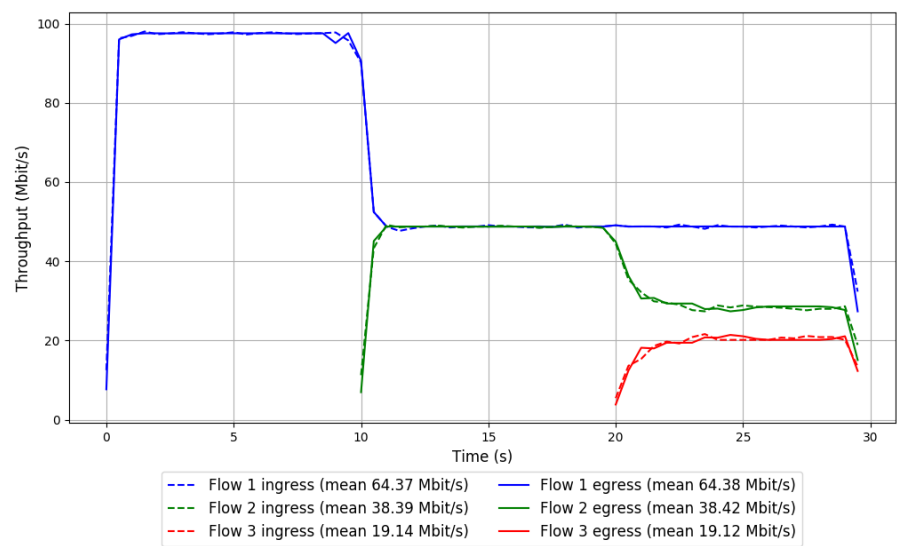
-- Flow 3:

Average throughput: 19.12 Mbit/s

95th percentile per-packet one-way delay: 40.035 ms

Loss rate: 0.90%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-18 08:41:38

End at: 2017-09-18 08:42:08

Local clock offset: 0.981 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2017-09-18 11:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 42.055 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.14 Mbit/s

95th percentile per-packet one-way delay: 46.416 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 34.951 ms

Loss rate: 0.32%

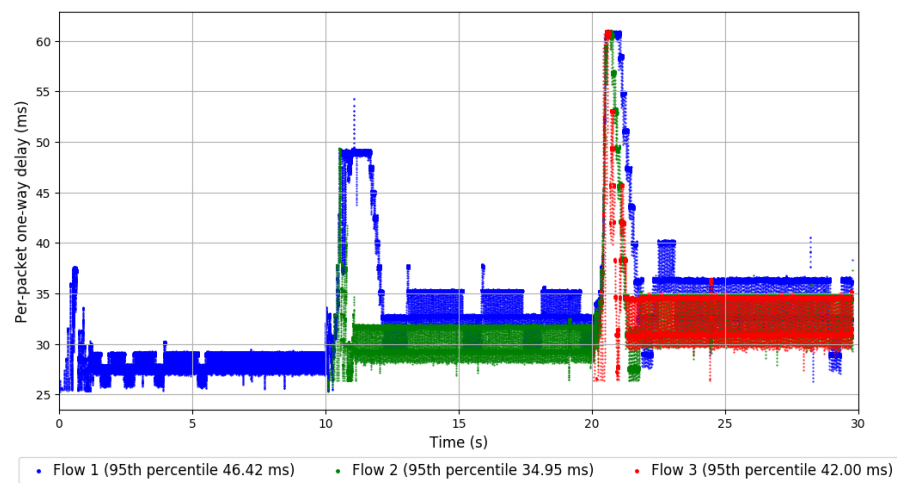
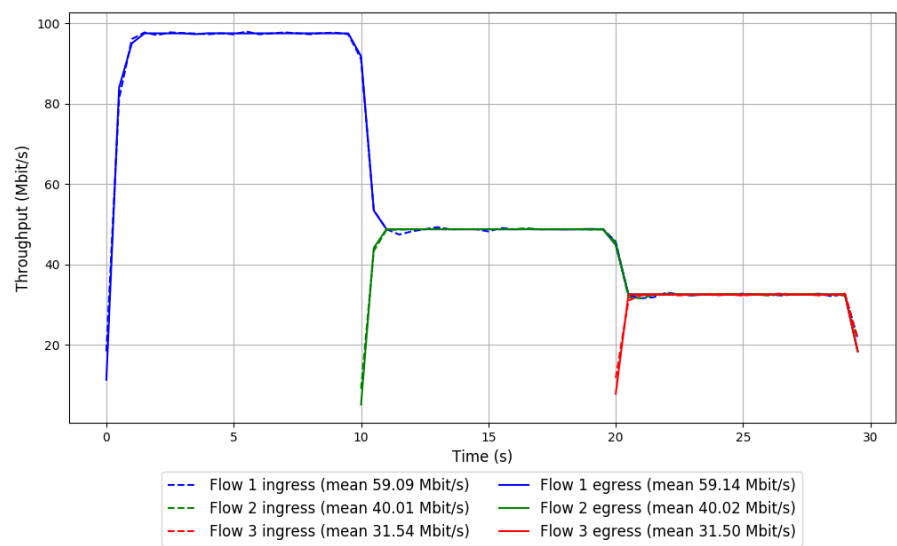
-- Flow 3:

Average throughput: 31.50 Mbit/s

95th percentile per-packet one-way delay: 41.998 ms

Loss rate: 0.87%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-18 08:55:28

End at: 2017-09-18 08:55:58

Local clock offset: 0.888 ms

Remote clock offset: 2.153 ms

Below is generated by plot.py at 2017-09-18 11:35:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 38.502 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 58.89 Mbit/s

95th percentile per-packet one-way delay: 41.947 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 35.485 ms

Loss rate: 0.32%

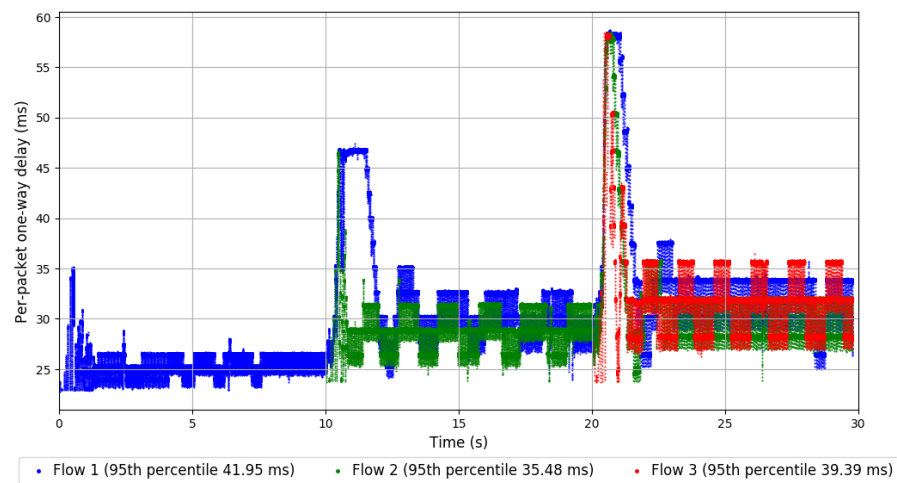
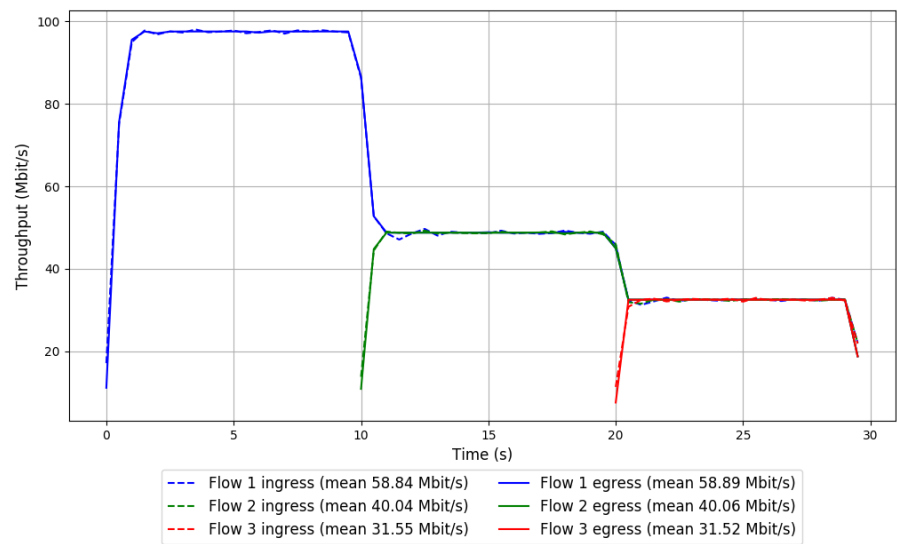
-- Flow 3:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 39.393 ms

Loss rate: 0.84%

Run 10: Report of Indigo — Data Link

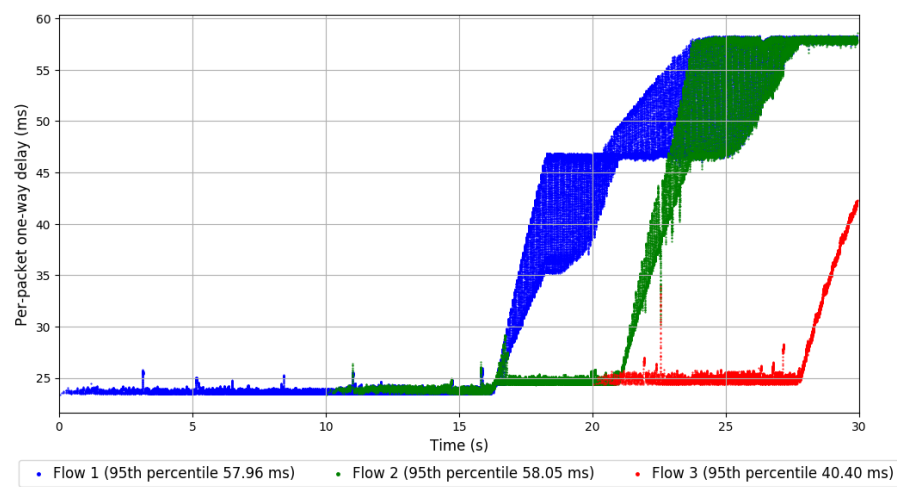
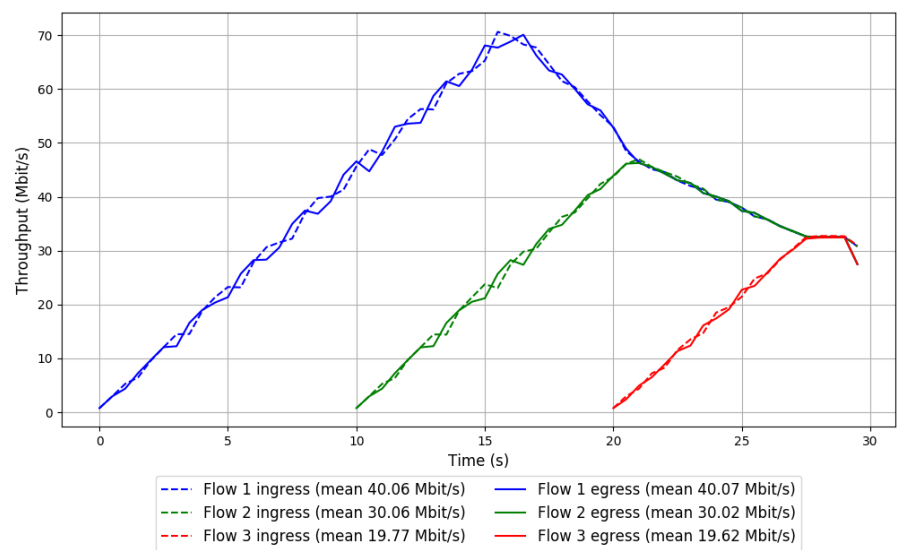


Run 1: Statistics of LEDBAT

Start at: 2017-09-18 06:47:50
End at: 2017-09-18 06:48:20
Local clock offset: 2.205 ms
Remote clock offset: -2.475 ms

Below is generated by plot.py at 2017-09-18 11:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.52 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 40.403 ms
Loss rate: 1.54%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-18 07:01:38

End at: 2017-09-18 07:02:08

Local clock offset: 1.955 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at 2017-09-18 11:35:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 54.847 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 58.009 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 34.93 Mbit/s

95th percentile per-packet one-way delay: 46.833 ms

Loss rate: 0.68%

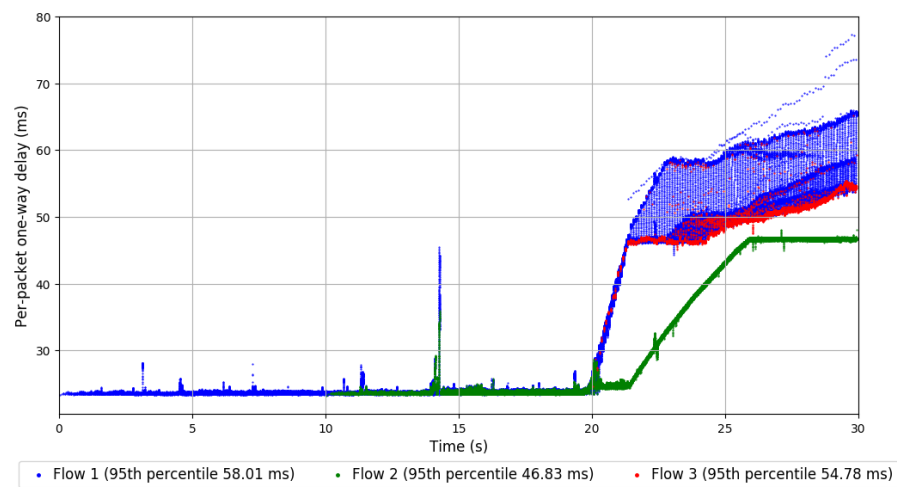
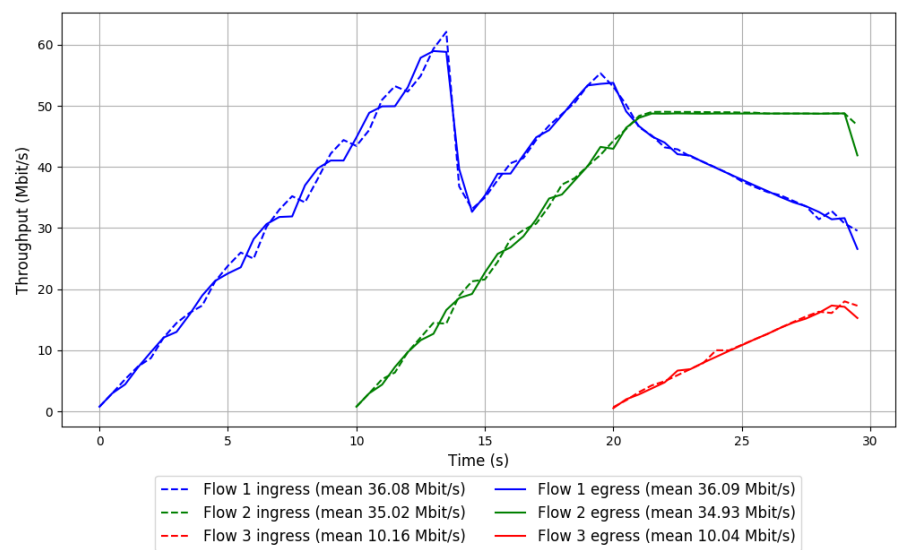
-- Flow 3:

Average throughput: 10.04 Mbit/s

95th percentile per-packet one-way delay: 54.785 ms

Loss rate: 1.91%

Run 2: Report of LEDBAT — Data Link

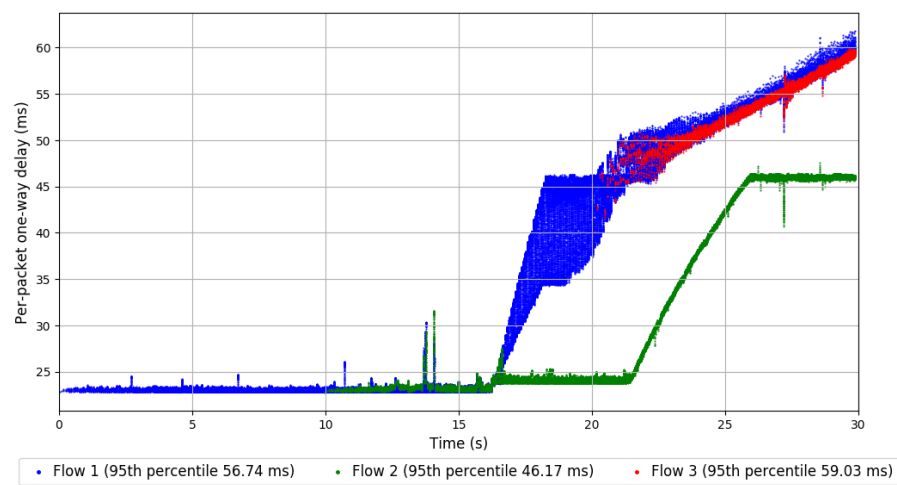
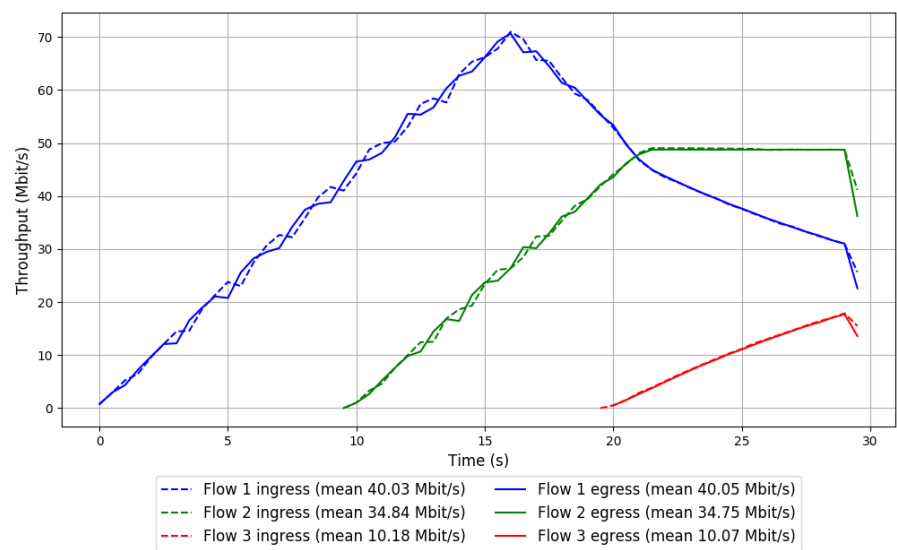


Run 3: Statistics of LEDBAT

Start at: 2017-09-18 07:15:32
End at: 2017-09-18 07:16:02
Local clock offset: 1.83 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2017-09-18 11:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 56.427 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 56.742 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 46.173 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 59.035 ms
Loss rate: 2.01%

Run 3: Report of LEDBAT — Data Link

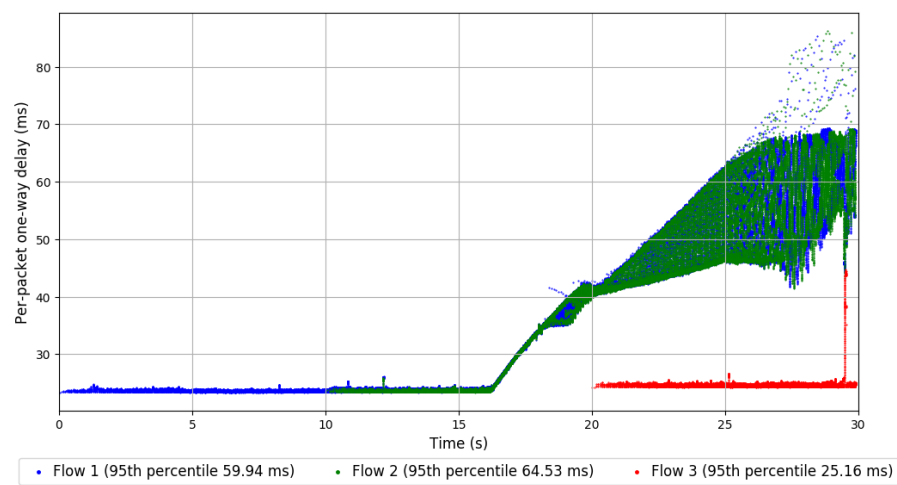
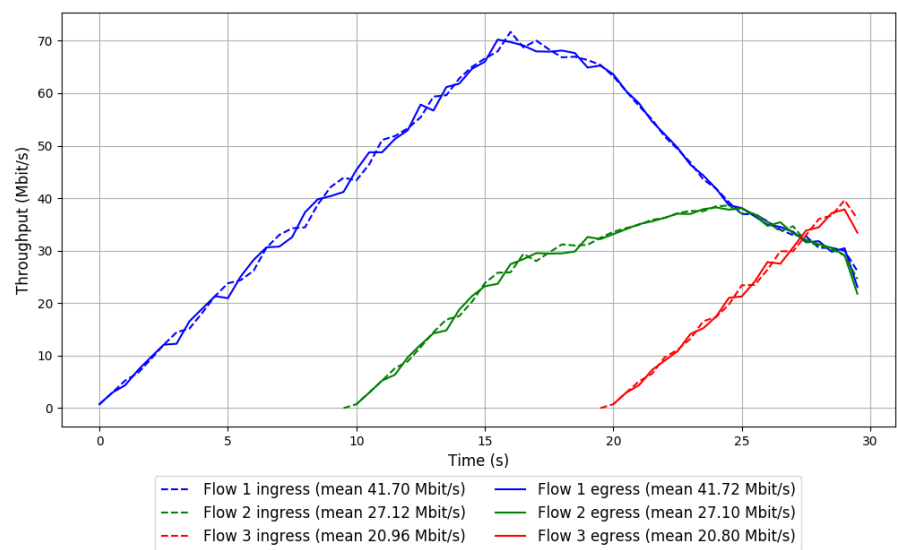


Run 4: Statistics of LEDBAT

Start at: 2017-09-18 07:29:23
End at: 2017-09-18 07:29:53
Local clock offset: 1.823 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2017-09-18 11:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 59.943 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 64.529 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 25.159 ms
Loss rate: 1.52%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-18 07:43:13

End at: 2017-09-18 07:43:43

Local clock offset: 1.621 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2017-09-18 11:35:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 57.564 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 40.00 Mbit/s

95th percentile per-packet one-way delay: 57.544 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 57.624 ms

Loss rate: 0.80%

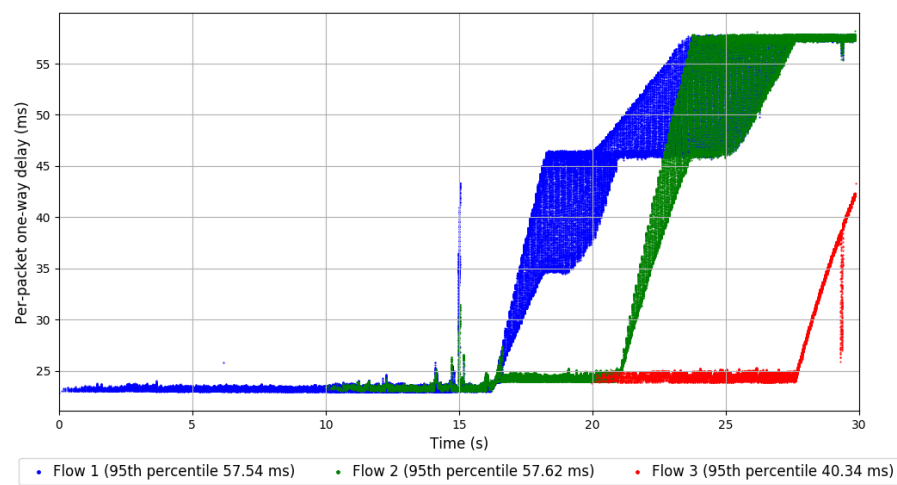
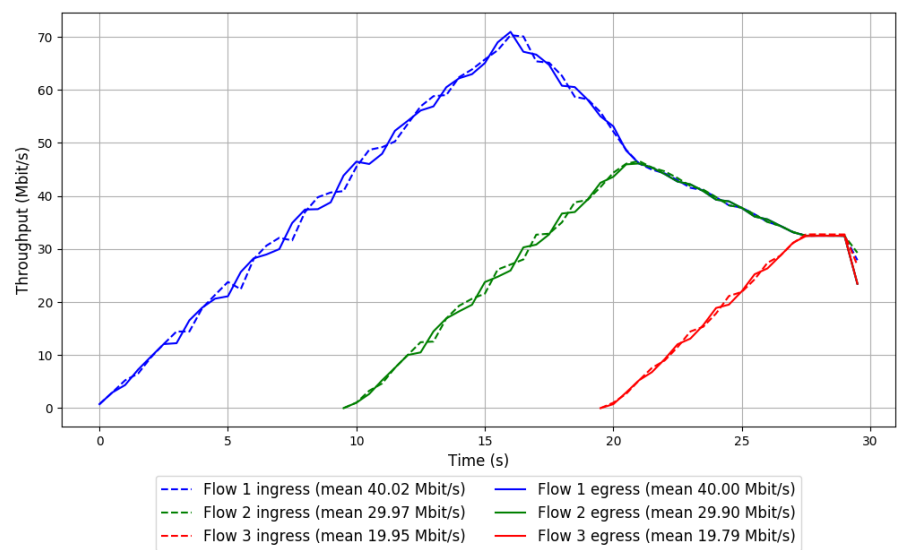
-- Flow 3:

Average throughput: 19.79 Mbit/s

95th percentile per-packet one-way delay: 40.339 ms

Loss rate: 1.52%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-18 07:57:08

End at: 2017-09-18 07:57:38

Local clock offset: 1.48 ms

Remote clock offset: 1.301 ms

Below is generated by plot.py at 2017-09-18 11:36:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 54.608 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 57.199 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 46.487 ms

Loss rate: 0.42%

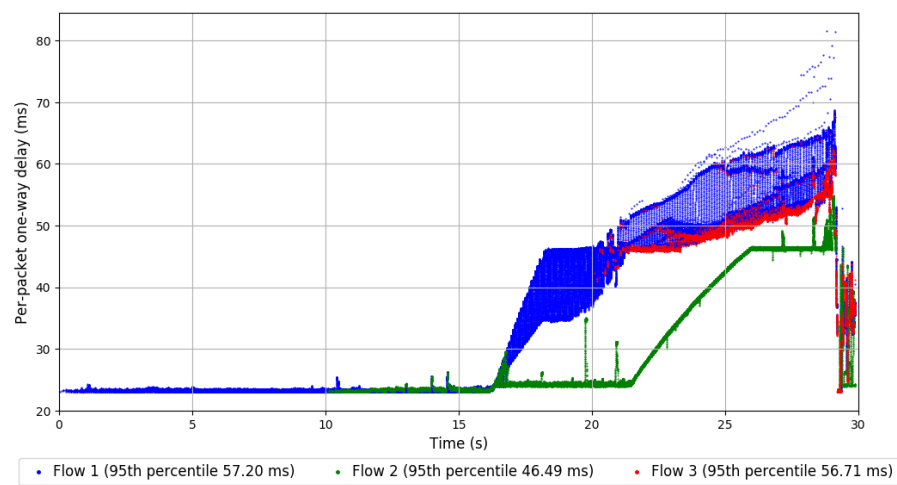
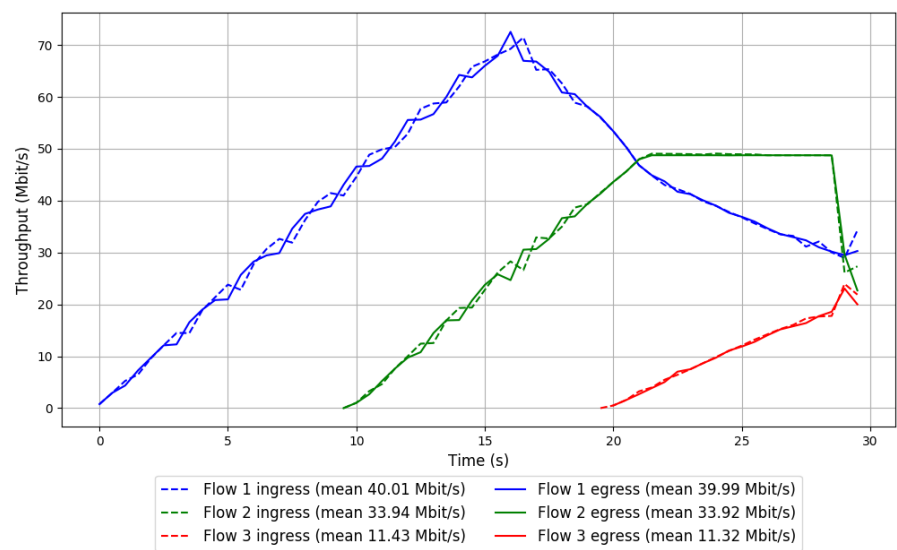
-- Flow 3:

Average throughput: 11.32 Mbit/s

95th percentile per-packet one-way delay: 56.713 ms

Loss rate: 1.96%

Run 6: Report of LEDBAT — Data Link

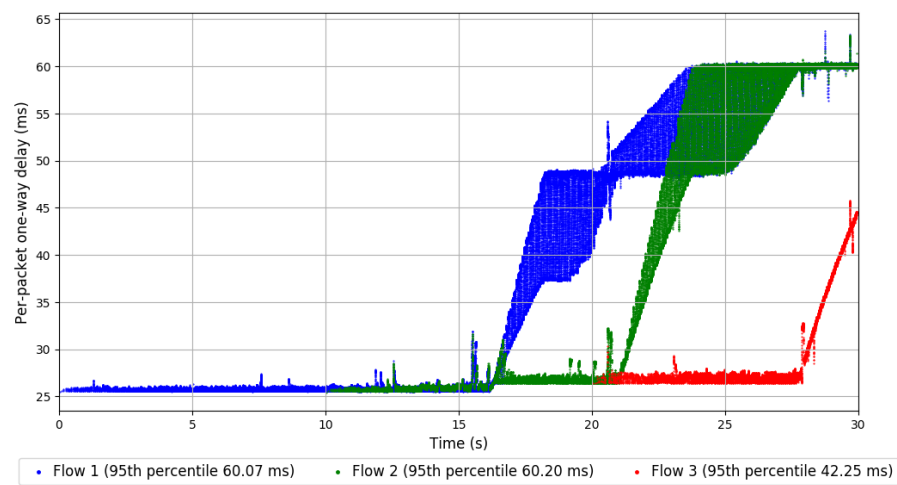
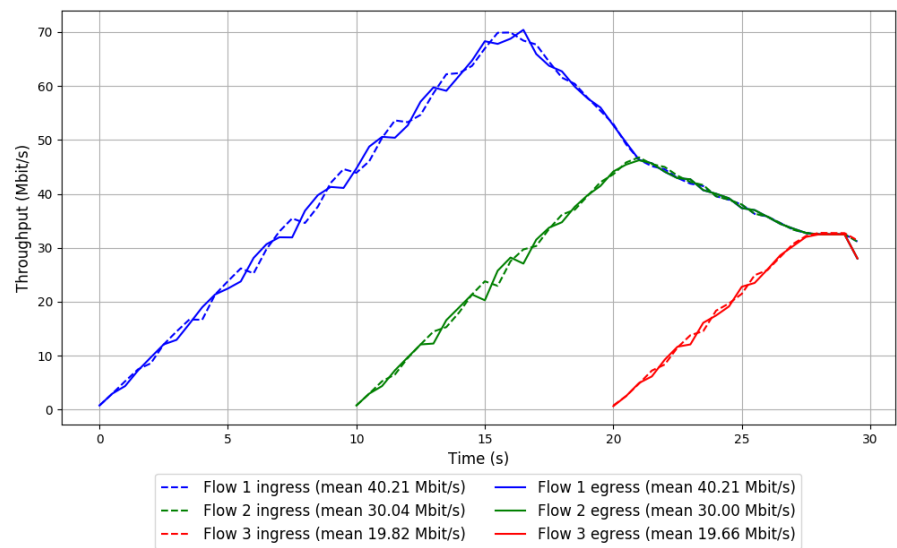


Run 7: Statistics of LEDBAT

Start at: 2017-09-18 08:10:59
End at: 2017-09-18 08:11:29
Local clock offset: 1.366 ms
Remote clock offset: -0.666 ms

Below is generated by plot.py at 2017-09-18 11:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 60.129 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 60.069 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 60.202 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 42.247 ms
Loss rate: 1.53%

Run 7: Report of LEDBAT — Data Link

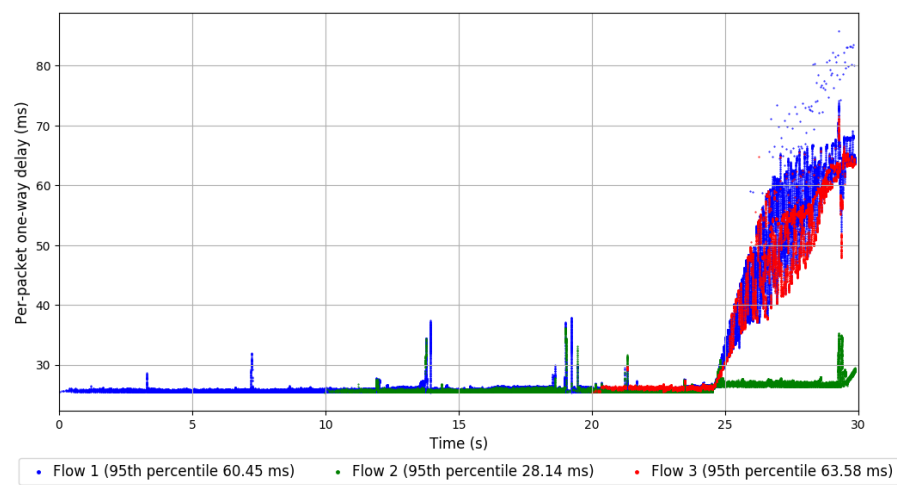
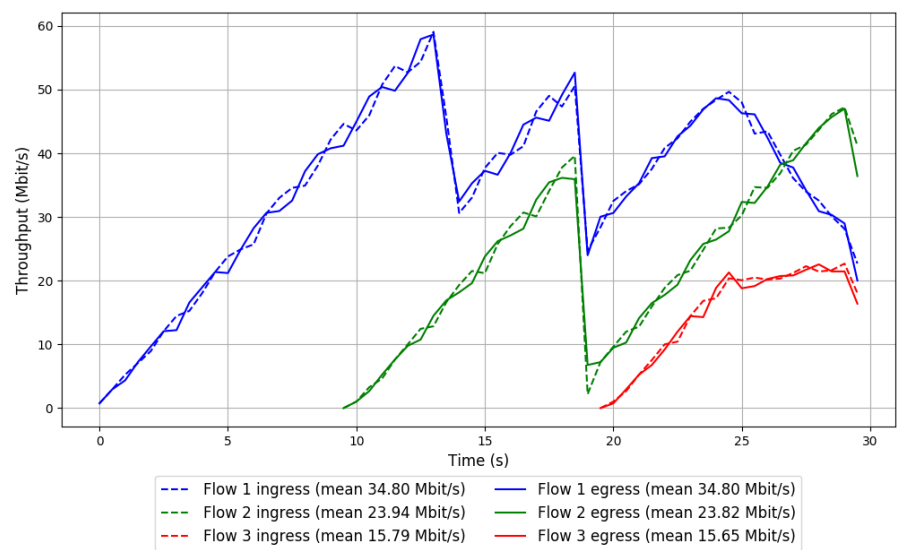


Run 8: Statistics of LEDBAT

Start at: 2017-09-18 08:24:57
End at: 2017-09-18 08:25:27
Local clock offset: 1.132 ms
Remote clock offset: -0.566 ms

Below is generated by plot.py at 2017-09-18 11:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 59.216 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 60.448 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 28.139 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 63.580 ms
Loss rate: 1.60%

Run 8: Report of LEDBAT — Data Link

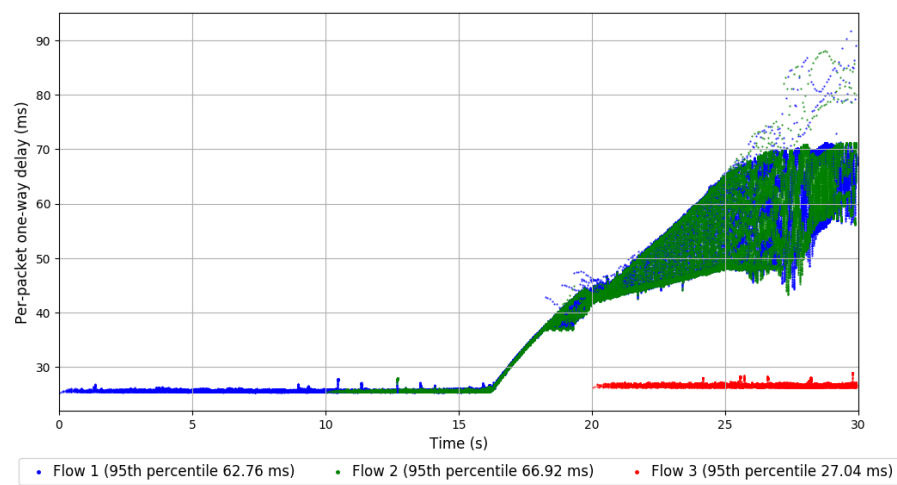
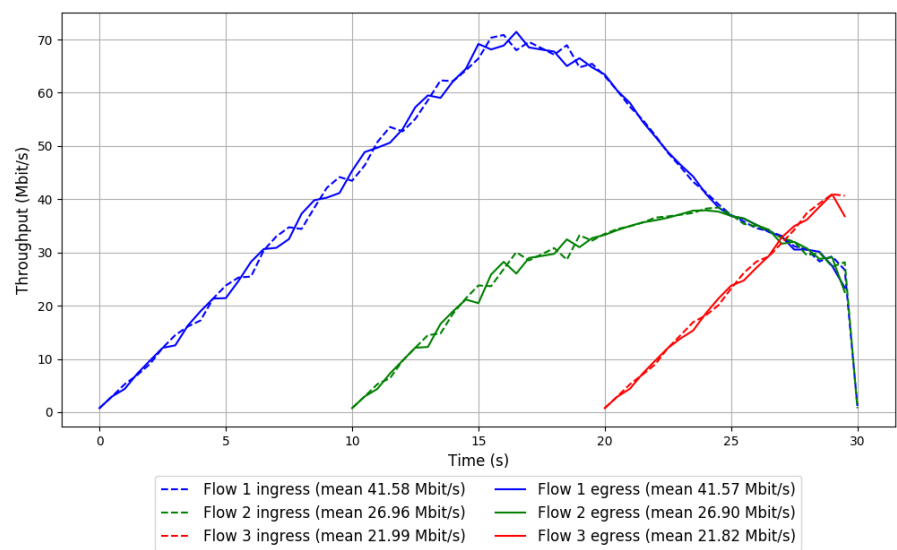


Run 9: Statistics of LEDBAT

Start at: 2017-09-18 08:38:51
End at: 2017-09-18 08:39:21
Local clock offset: 0.998 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2017-09-18 11:36:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 62.755 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 66.922 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 27.041 ms
Loss rate: 1.48%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-18 08:52:44

End at: 2017-09-18 08:53:14

Local clock offset: 1.006 ms

Remote clock offset: 1.595 ms

Below is generated by plot.py at 2017-09-18 11:36:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.64 Mbit/s

95th percentile per-packet one-way delay: 57.869 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 57.811 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 29.95 Mbit/s

95th percentile per-packet one-way delay: 57.965 ms

Loss rate: 0.59%

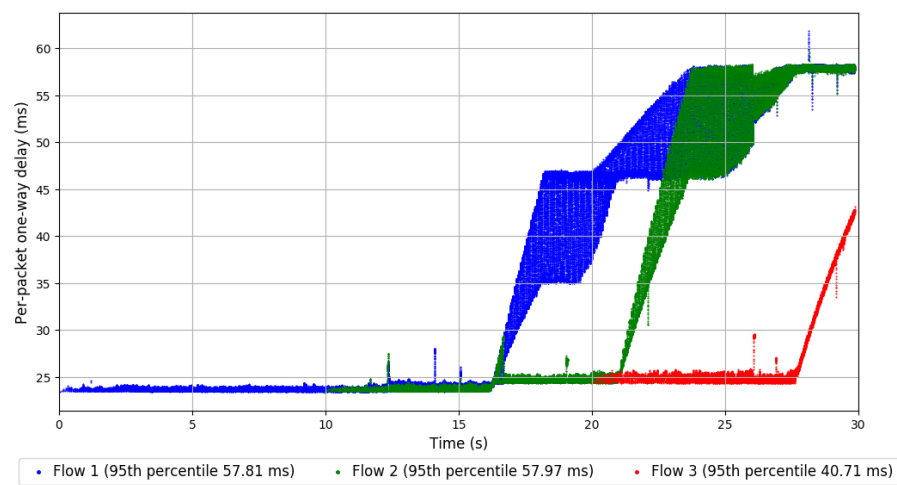
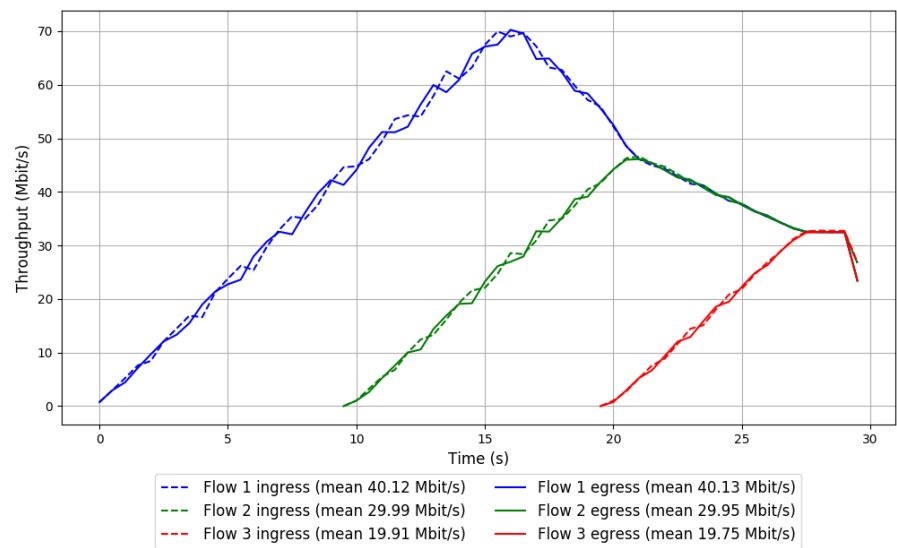
-- Flow 3:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 40.711 ms

Loss rate: 1.53%

Run 10: Report of LEDBAT — Data Link

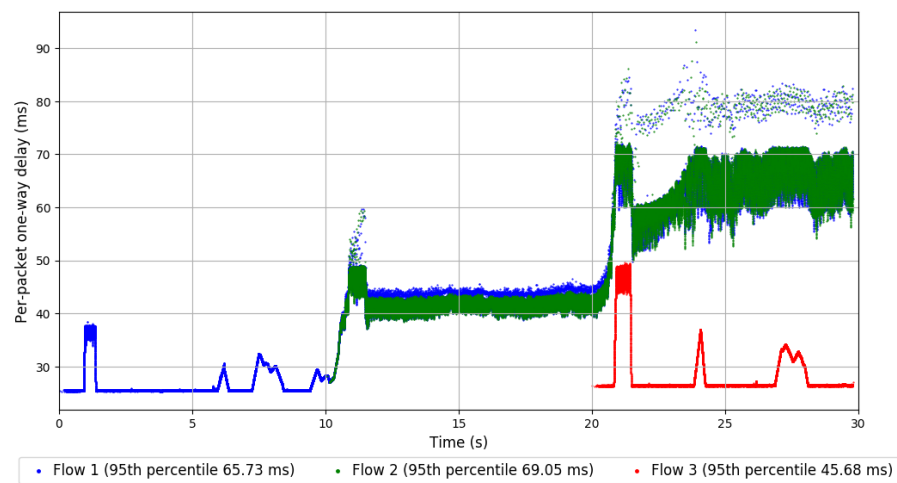
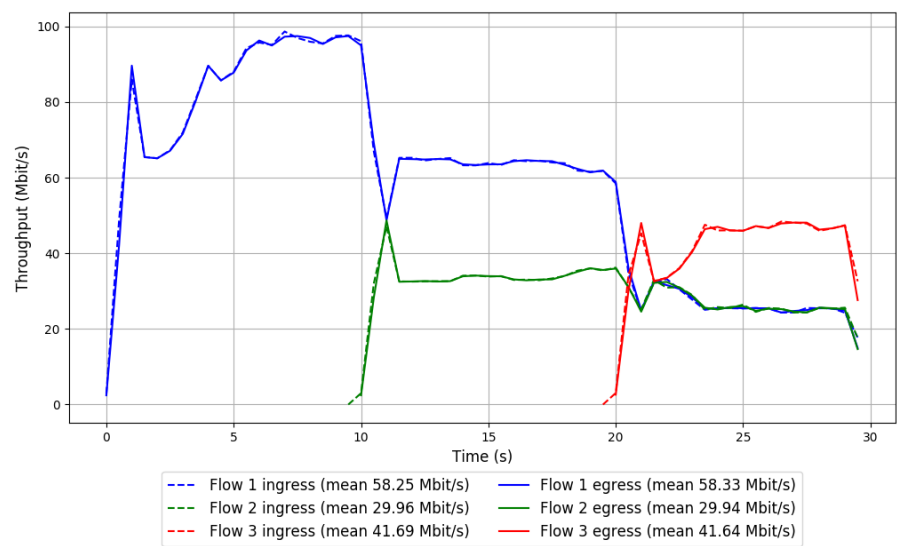


Run 1: Statistics of PCC

Start at: 2017-09-18 06:53:16
End at: 2017-09-18 06:53:46
Local clock offset: 2.18 ms
Remote clock offset: -4.376 ms

Below is generated by plot.py at 2017-09-18 11:36:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 66.772 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 69.053 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 0.91%

Run 1: Report of PCC — Data Link

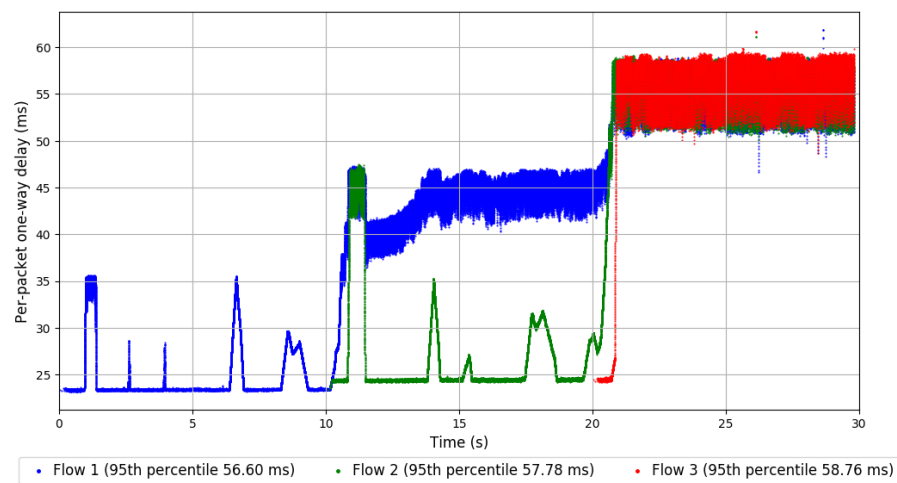
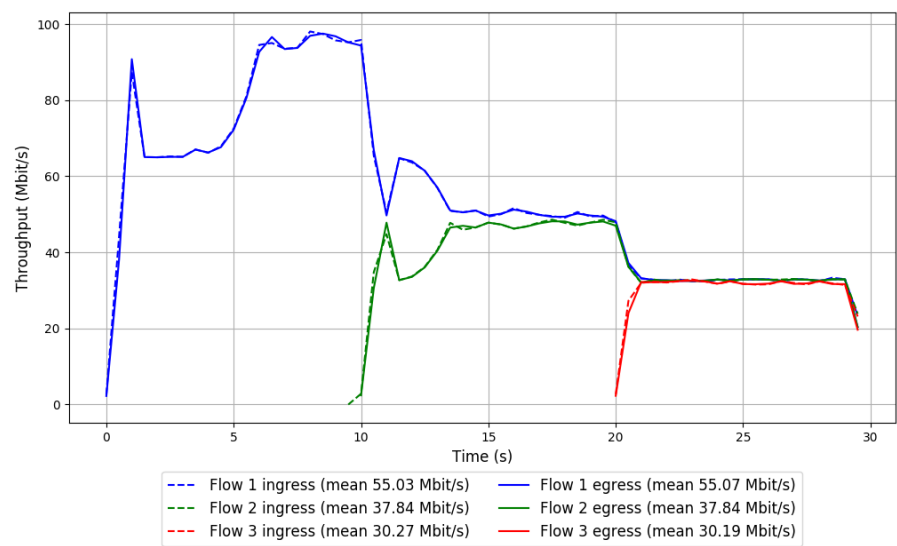


Run 2: Statistics of PCC

Start at: 2017-09-18 07:07:10
End at: 2017-09-18 07:07:40
Local clock offset: 1.997 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2017-09-18 11:37:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 57.762 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 56.603 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 57.779 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 58.761 ms
Loss rate: 1.15%

Run 2: Report of PCC — Data Link

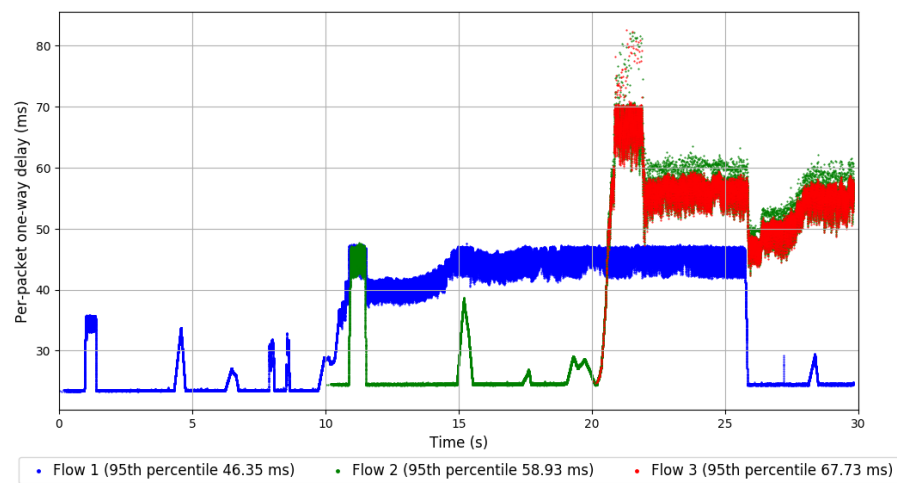
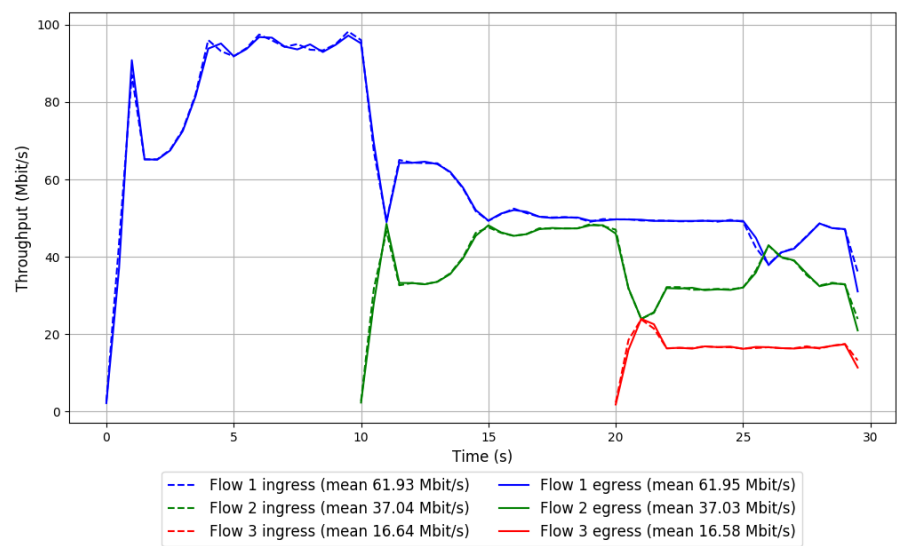


Run 3: Statistics of PCC

Start at: 2017-09-18 07:21:00
End at: 2017-09-18 07:21:30
Local clock offset: 1.904 ms
Remote clock offset: -0.839 ms

Below is generated by plot.py at 2017-09-18 11:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 56.868 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 46.353 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 58.931 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 67.734 ms
Loss rate: 1.13%

Run 3: Report of PCC — Data Link

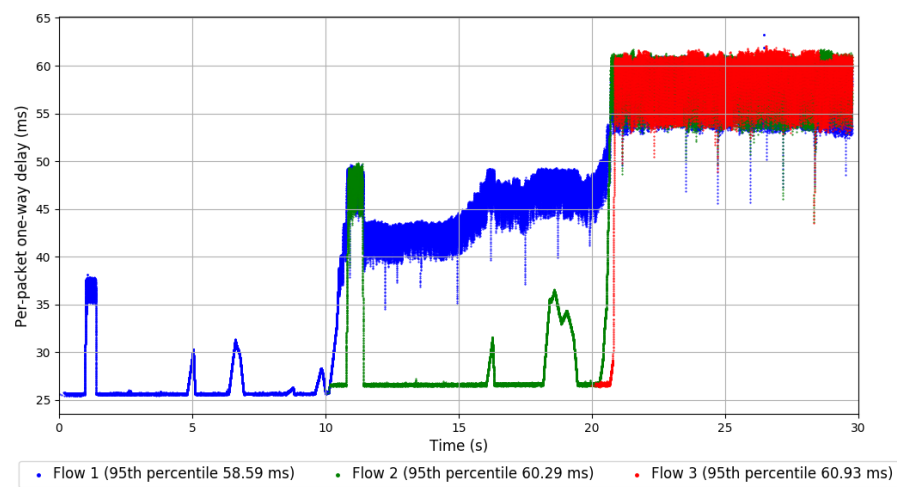
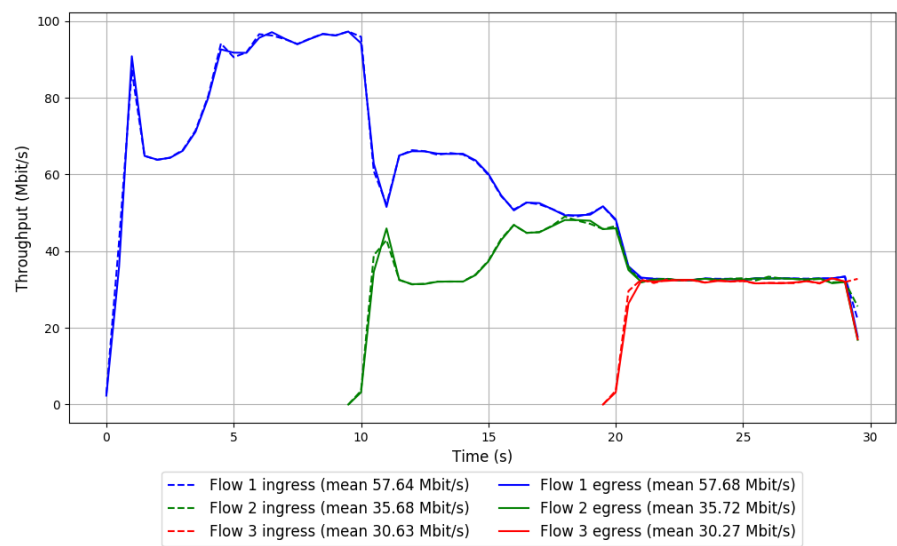


Run 4: Statistics of PCC

Start at: 2017-09-18 07:34:51
End at: 2017-09-18 07:35:21
Local clock offset: 1.732 ms
Remote clock offset: -2.135 ms

Below is generated by plot.py at 2017-09-18 11:37:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 60.034 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 58.590 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 60.293 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 60.928 ms
Loss rate: 3.17%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-18 07:48:44

End at: 2017-09-18 07:49:14

Local clock offset: 1.464 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2017-09-18 11:37:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.74 Mbit/s

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

Loss rate: 0.32%

-- Flow 1:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 56.742 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 28.950 ms

Loss rate: 0.41%

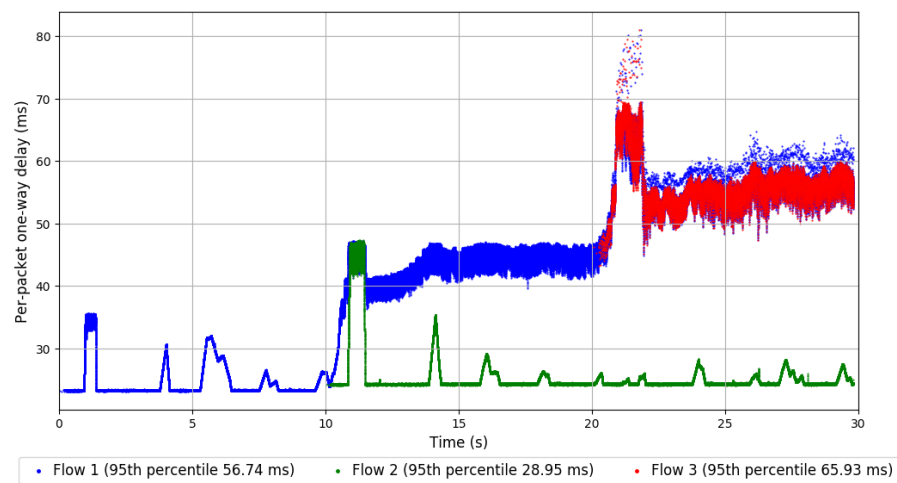
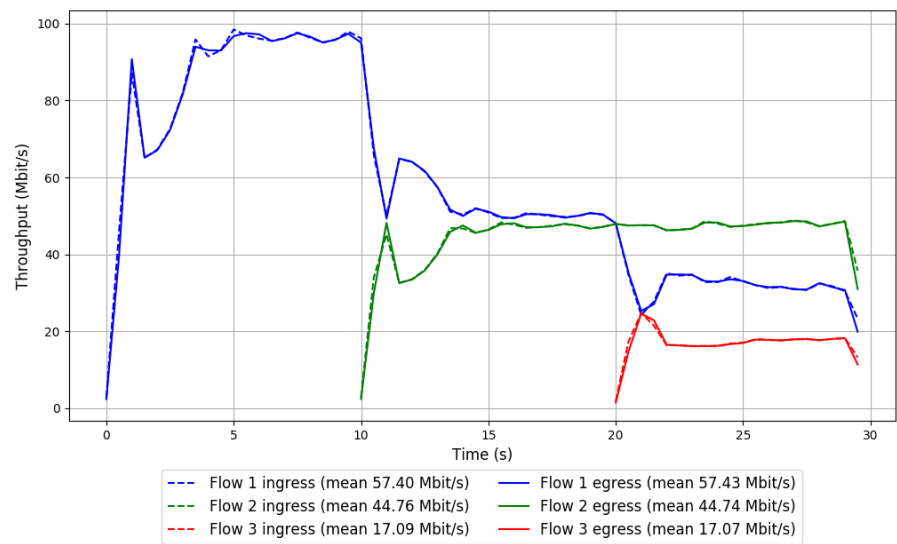
-- Flow 3:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 65.934 ms

Loss rate: 1.15%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-18 08:02:38

End at: 2017-09-18 08:03:08

Local clock offset: 1.334 ms

Remote clock offset: 1.649 ms

Below is generated by plot.py at 2017-09-18 11:37:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 55.615 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 61.77 Mbit/s

95th percentile per-packet one-way delay: 45.363 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 57.697 ms

Loss rate: 0.47%

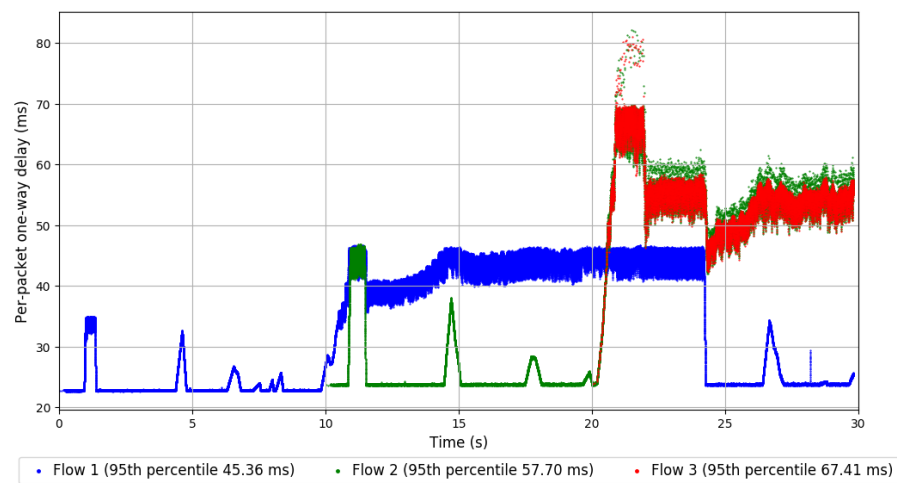
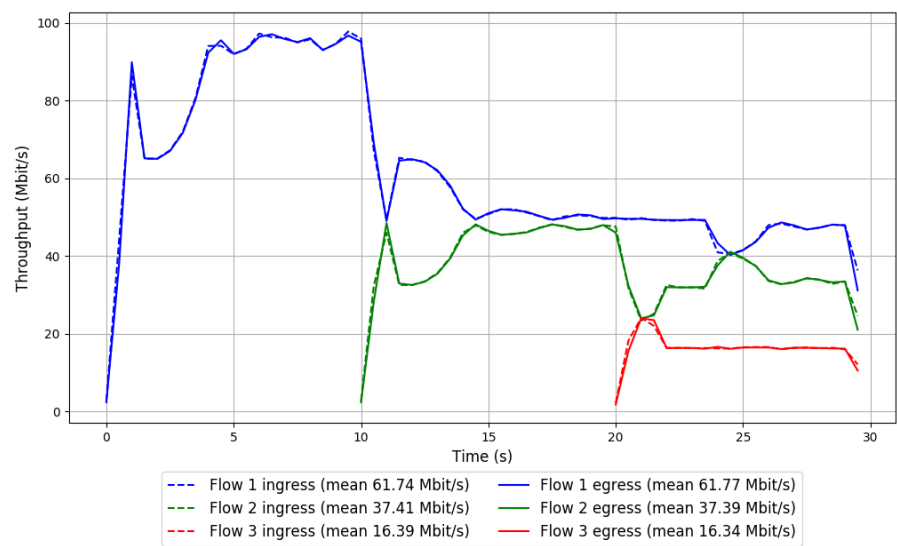
-- Flow 3:

Average throughput: 16.34 Mbit/s

95th percentile per-packet one-way delay: 67.405 ms

Loss rate: 1.03%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-18 08:16:30

End at: 2017-09-18 08:17:00

Local clock offset: 1.211 ms

Remote clock offset: 1.88 ms

Below is generated by plot.py at 2017-09-18 11:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 54.989 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 57.30 Mbit/s

95th percentile per-packet one-way delay: 55.045 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 30.022 ms

Loss rate: 0.39%

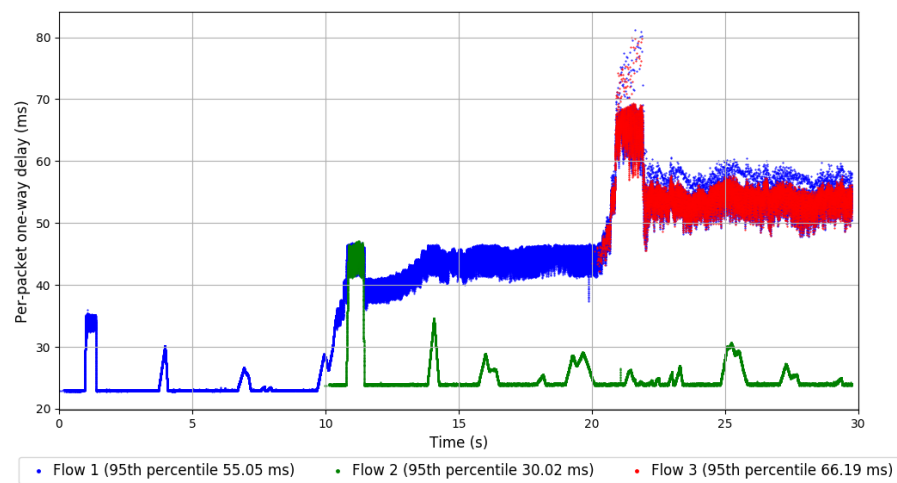
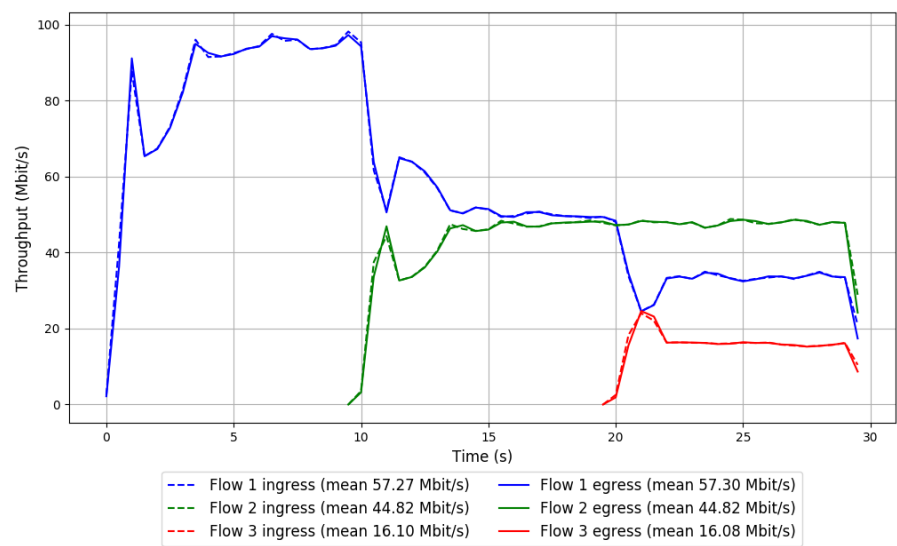
-- Flow 3:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 66.188 ms

Loss rate: 1.12%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-18 08:30:26

End at: 2017-09-18 08:30:56

Local clock offset: 1.179 ms

Remote clock offset: 1.526 ms

Below is generated by plot.py at 2017-09-18 11:37:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 55.693 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 46.141 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 58.096 ms

Loss rate: 0.50%

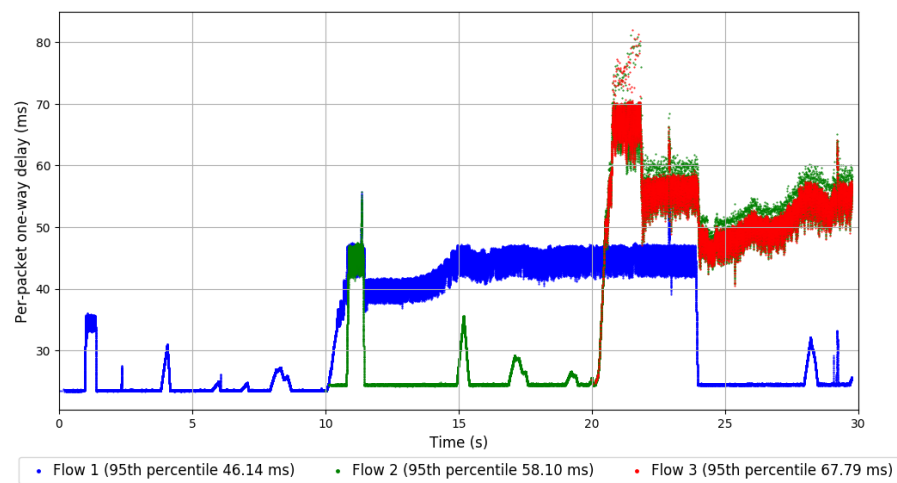
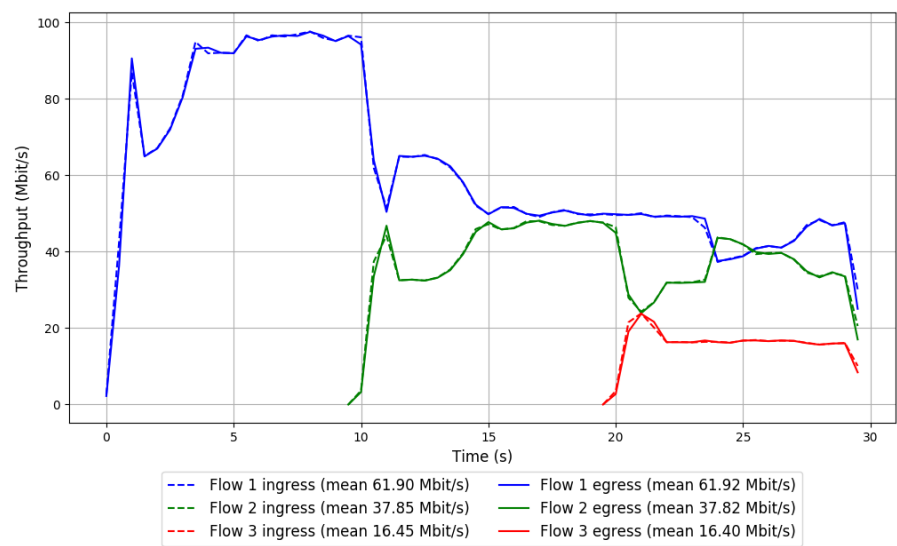
-- Flow 3:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 67.786 ms

Loss rate: 1.08%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-18 08:44:22

End at: 2017-09-18 08:44:52

Local clock offset: 0.966 ms

Remote clock offset: 1.678 ms

Below is generated by plot.py at 2017-09-18 11:38:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 64.651 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 59.93 Mbit/s

95th percentile per-packet one-way delay: 62.932 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 67.128 ms

Loss rate: 0.51%

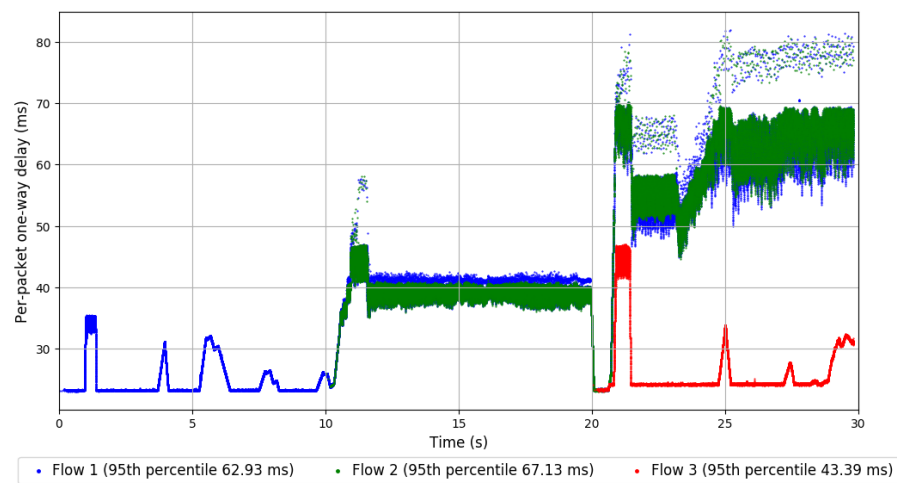
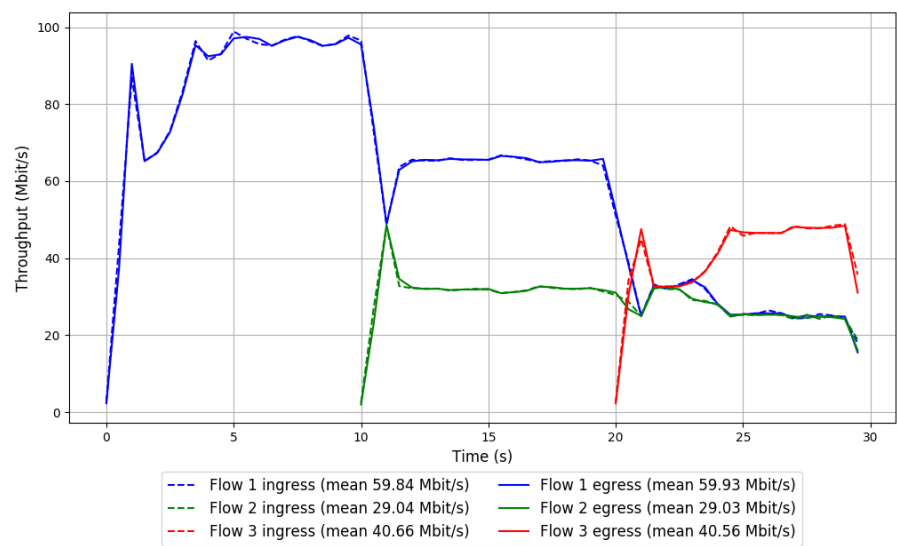
-- Flow 3:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 43.394 ms

Loss rate: 0.97%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-18 08:58:12

End at: 2017-09-18 08:58:42

Local clock offset: 0.986 ms

Remote clock offset: 1.678 ms

Below is generated by plot.py at 2017-09-18 11:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 57.861 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 57.60 Mbit/s

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

Loss rate: 0.20%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 57.860 ms

Loss rate: 0.48%

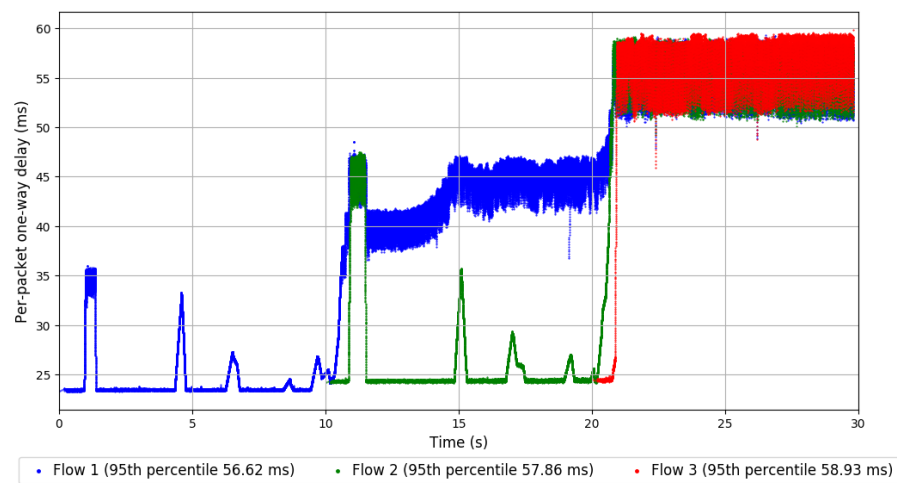
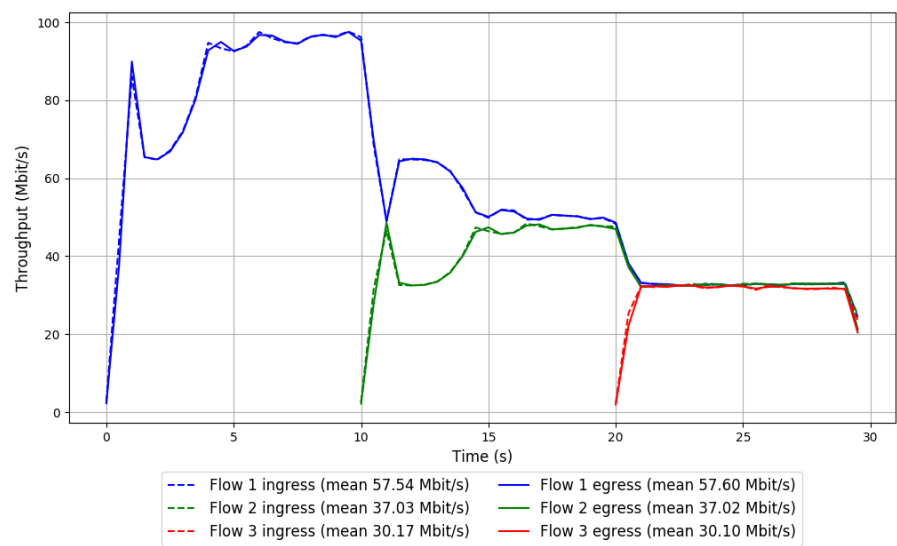
-- Flow 3:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 58.928 ms

Loss rate: 1.15%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

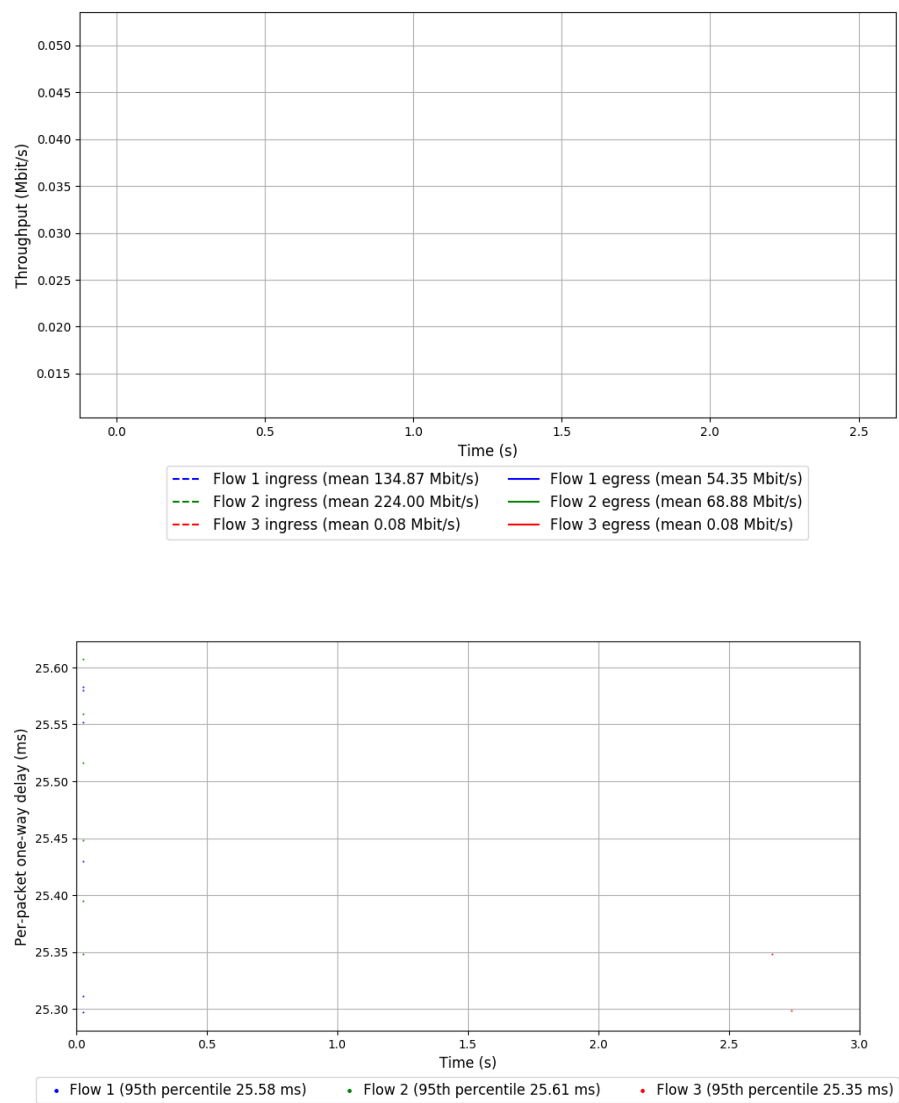
Start at: 2017-09-18 06:49:13

End at: 2017-09-18 06:49:43

Local clock offset: 2.113 ms

Remote clock offset: -4.48 ms

Run 1: Report of QUIC Cubic — Data Link

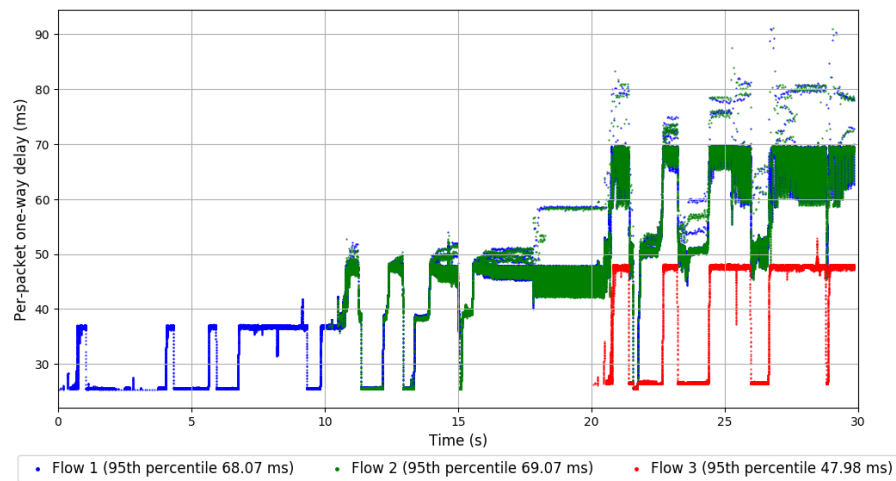
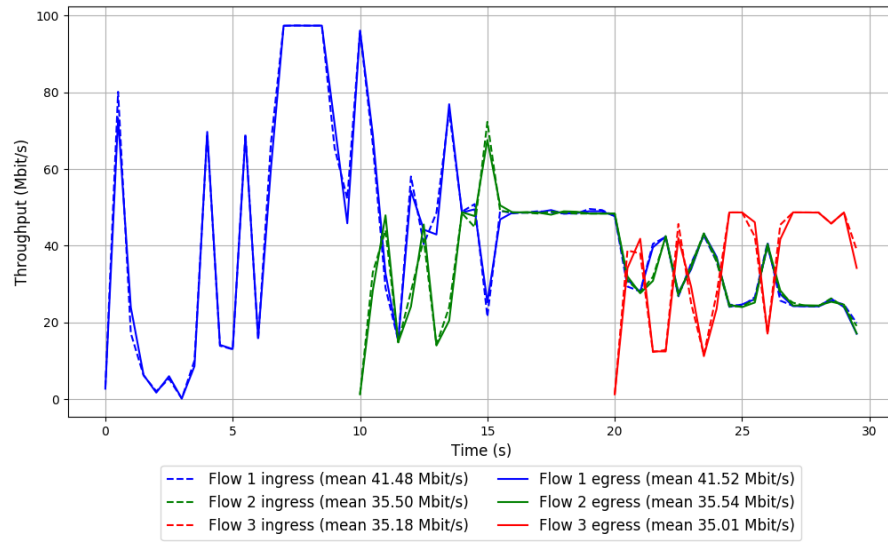


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-18 07:03:02
End at: 2017-09-18 07:03:32
Local clock offset: 2.042 ms
Remote clock offset: -3.969 ms

Below is generated by plot.py at 2017-09-18 11:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 68.344 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 68.069 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 69.066 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 47.978 ms
Loss rate: 1.35%

Run 2: Report of QUIC Cubic — Data Link

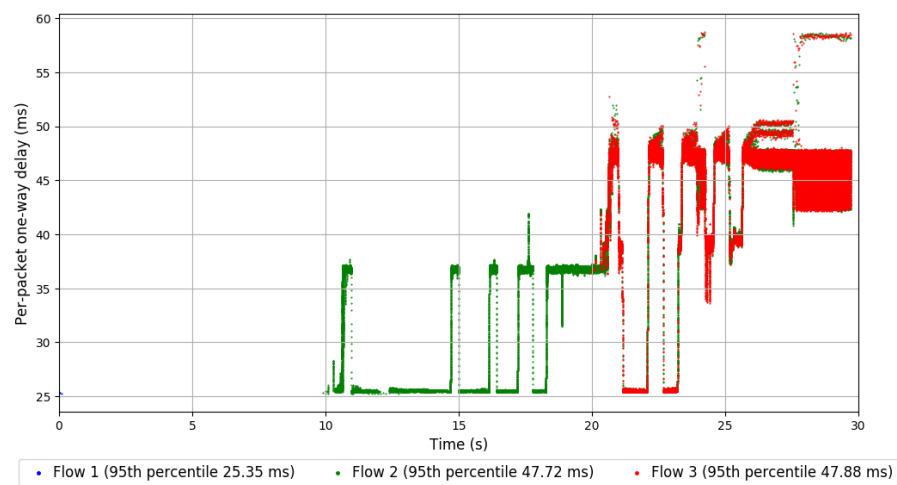
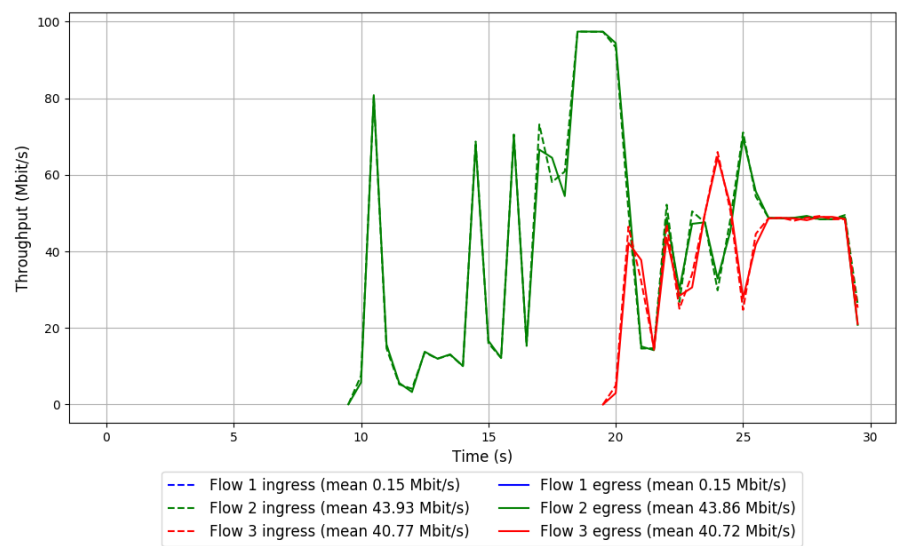


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-18 07:16:55
End at: 2017-09-18 07:17:25
Local clock offset: 1.913 ms
Remote clock offset: -3.001 ms

Below is generated by plot.py at 2017-09-18 11:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 47.773 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 25.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 47.724 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 47.881 ms
Loss rate: 1.05%

Run 3: Report of QUIC Cubic — Data Link

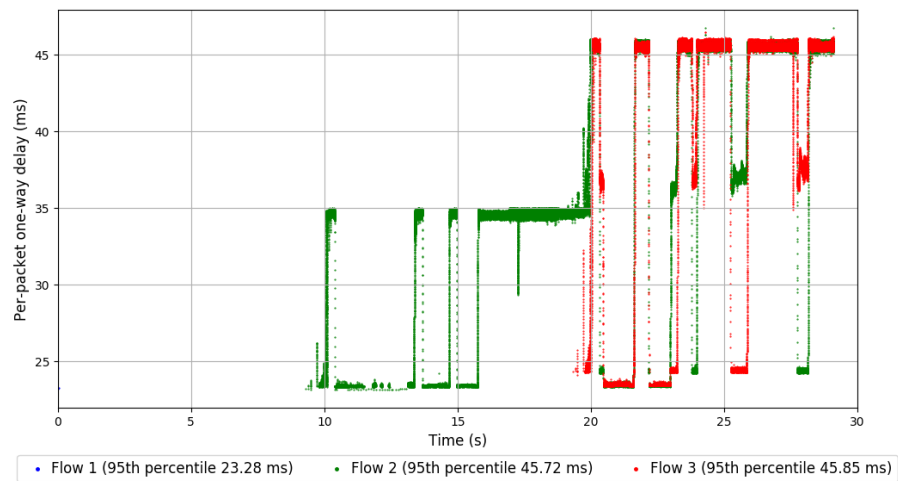
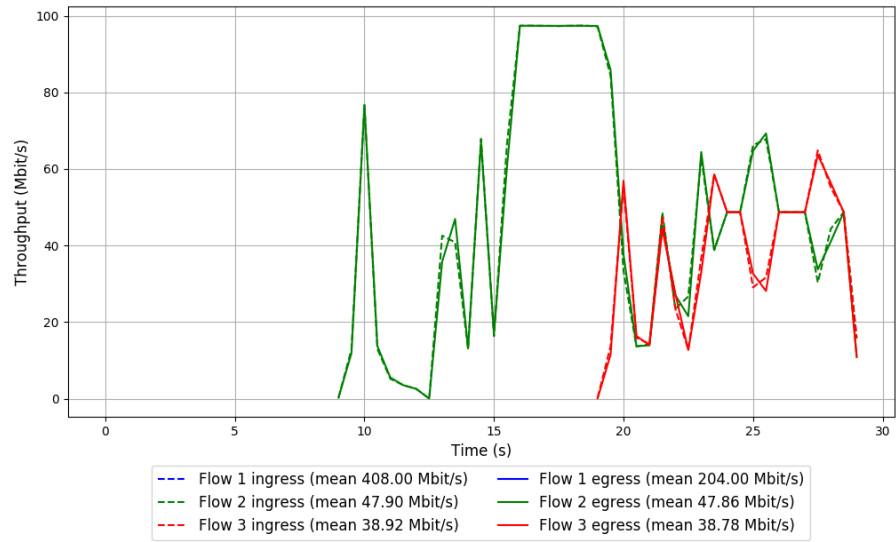


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-18 07:30:46
End at: 2017-09-18 07:31:16
Local clock offset: 1.686 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2017-09-18 11:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 45.761 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 204.00 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 45.720 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 45.848 ms
Loss rate: 1.22%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-18 07:44:36

End at: 2017-09-18 07:45:06

Local clock offset: 1.598 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2017-09-18 11:39:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 66.350 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 45.463 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 32.39 Mbit/s

95th percentile per-packet one-way delay: 66.878 ms

Loss rate: 0.42%

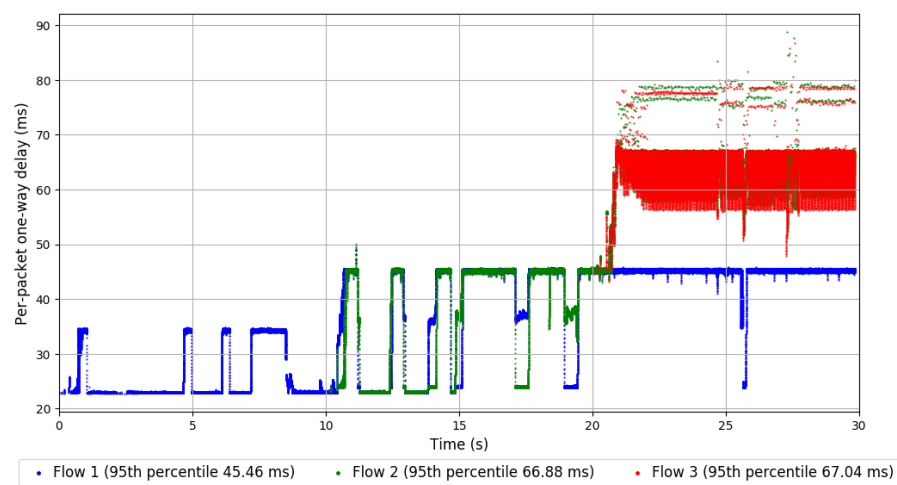
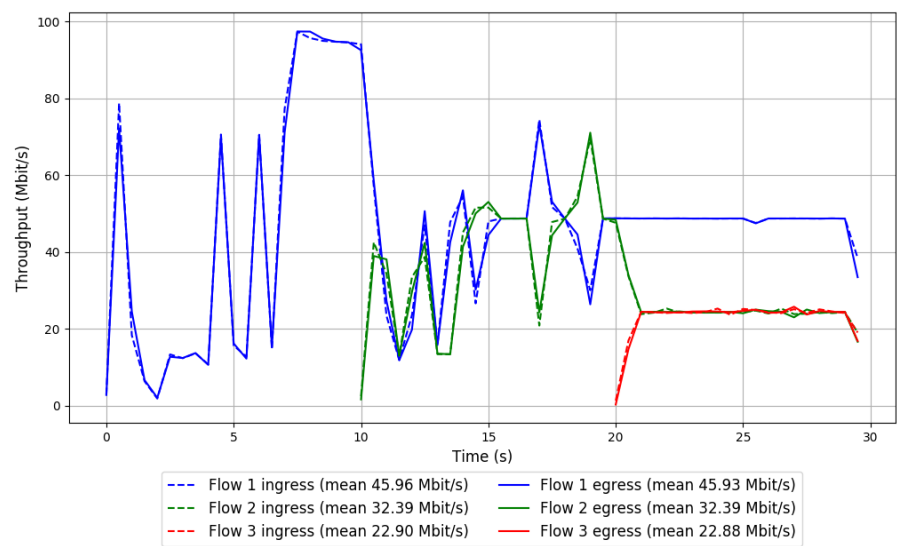
-- Flow 3:

Average throughput: 22.88 Mbit/s

95th percentile per-packet one-way delay: 67.036 ms

Loss rate: 1.16%

Run 5: Report of QUIC Cubic — Data Link

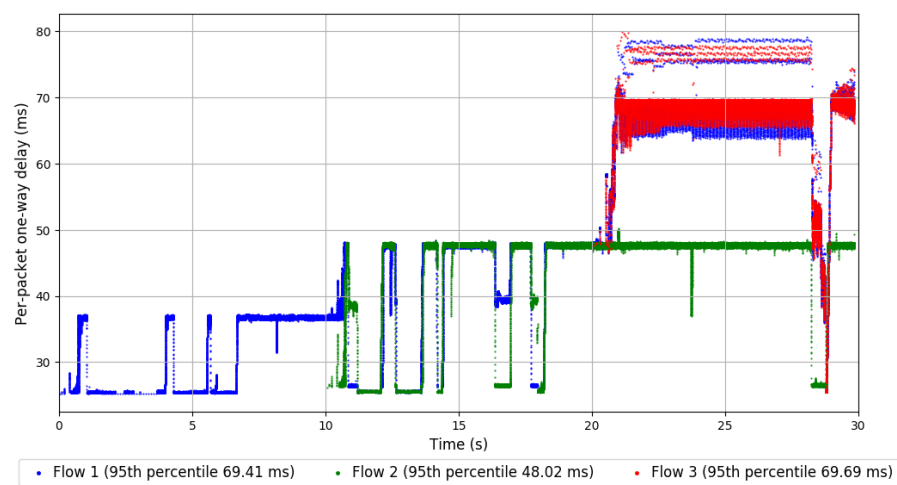
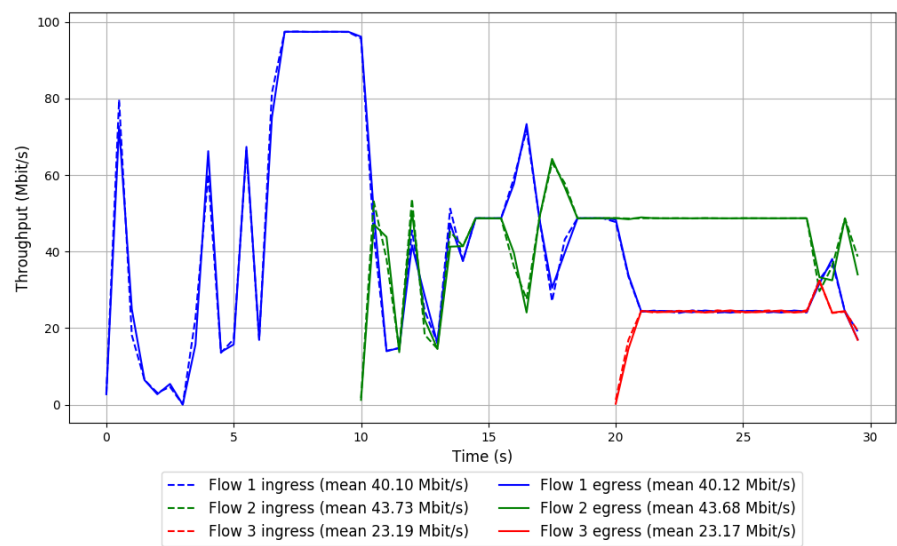


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-18 07:58:31
End at: 2017-09-18 07:59:01
Local clock offset: 1.452 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2017-09-18 11:39:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 69.433 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 69.405 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 48.018 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 69.688 ms
Loss rate: 1.25%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-18 08:12:23

End at: 2017-09-18 08:12:53

Local clock offset: 1.253 ms

Remote clock offset: 1.44 ms

Below is generated by plot.py at 2017-09-18 11:39:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 45.929 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 0.07 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 45.811 ms

Loss rate: 0.70%

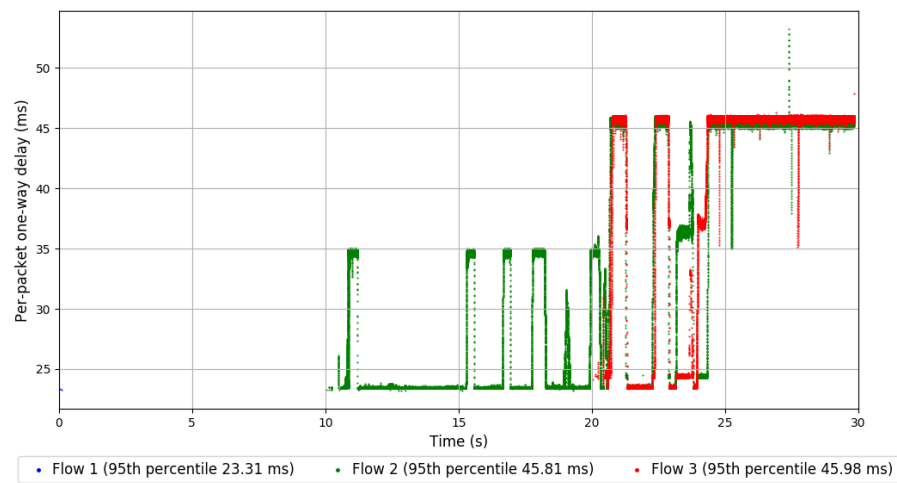
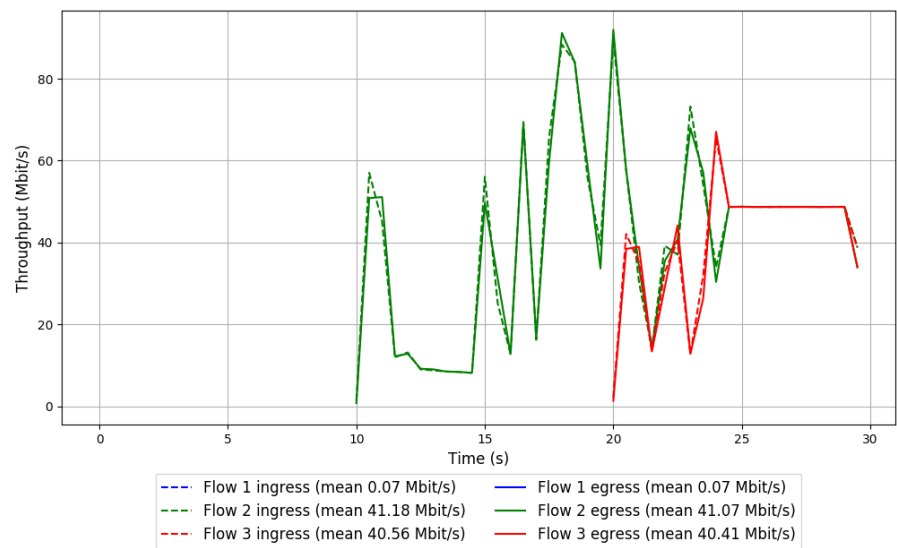
-- Flow 3:

Average throughput: 40.41 Mbit/s

95th percentile per-packet one-way delay: 45.979 ms

Loss rate: 1.20%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-18 08:26:19

End at: 2017-09-18 08:26:50

Local clock offset: 1.201 ms

Remote clock offset: 1.535 ms

Below is generated by plot.py at 2017-09-18 11:39:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 56.916 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 56.888 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 35.00 Mbit/s

95th percentile per-packet one-way delay: 56.987 ms

Loss rate: 0.50%

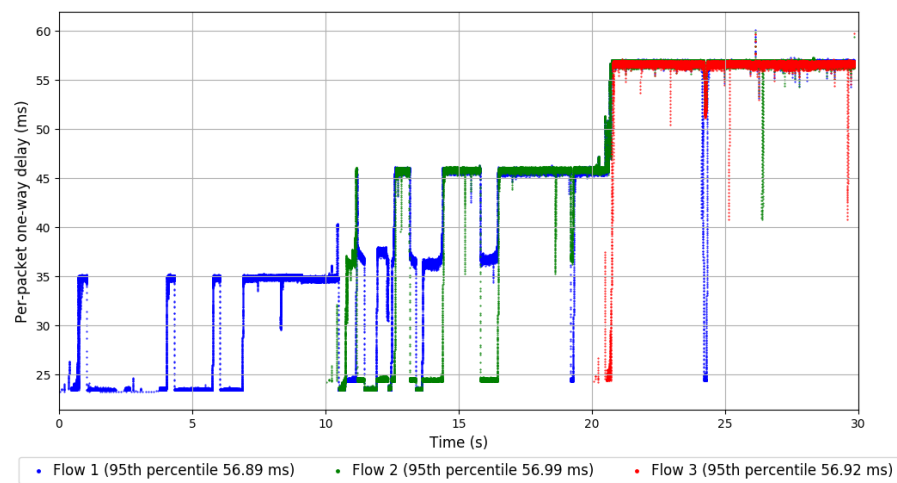
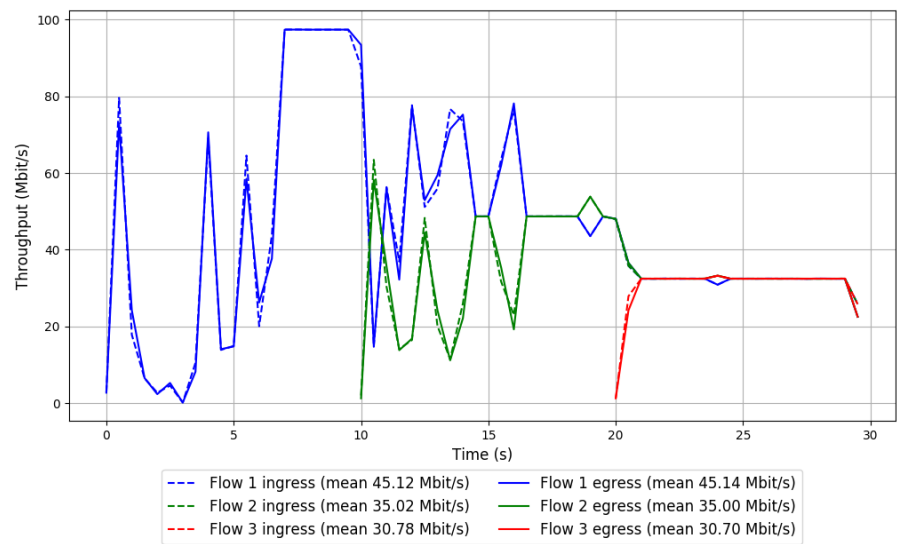
-- Flow 3:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 56.919 ms

Loss rate: 1.14%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-18 08:40:15

End at: 2017-09-18 08:40:45

Local clock offset: 1.0 ms

Remote clock offset: 1.649 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 66.907 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 66.891 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 41.79 Mbit/s

95th percentile per-packet one-way delay: 67.122 ms

Loss rate: 0.33%

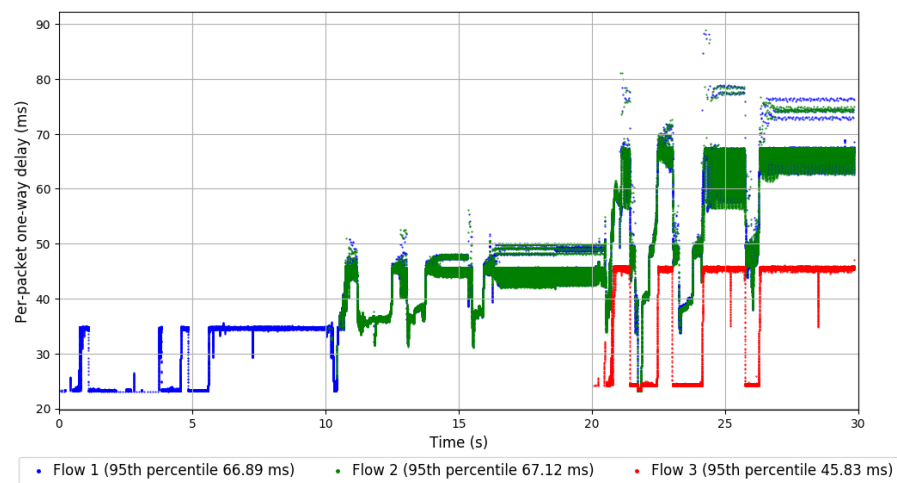
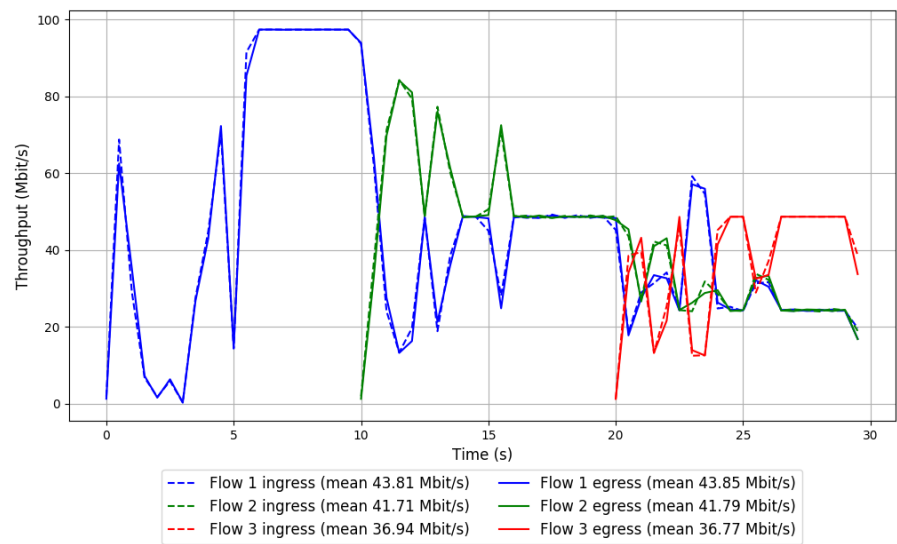
-- Flow 3:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 45.826 ms

Loss rate: 1.28%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-18 08:54:07

End at: 2017-09-18 08:54:37

Local clock offset: 1.001 ms

Remote clock offset: 1.715 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.93 Mbit/s

95th percentile per-packet one-way delay: 45.951 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 23.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.83 Mbit/s

95th percentile per-packet one-way delay: 45.982 ms

Loss rate: 0.50%

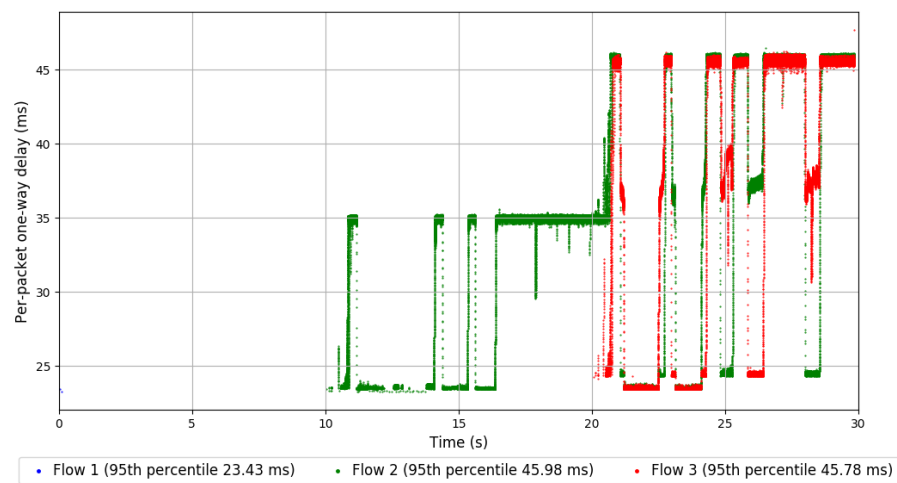
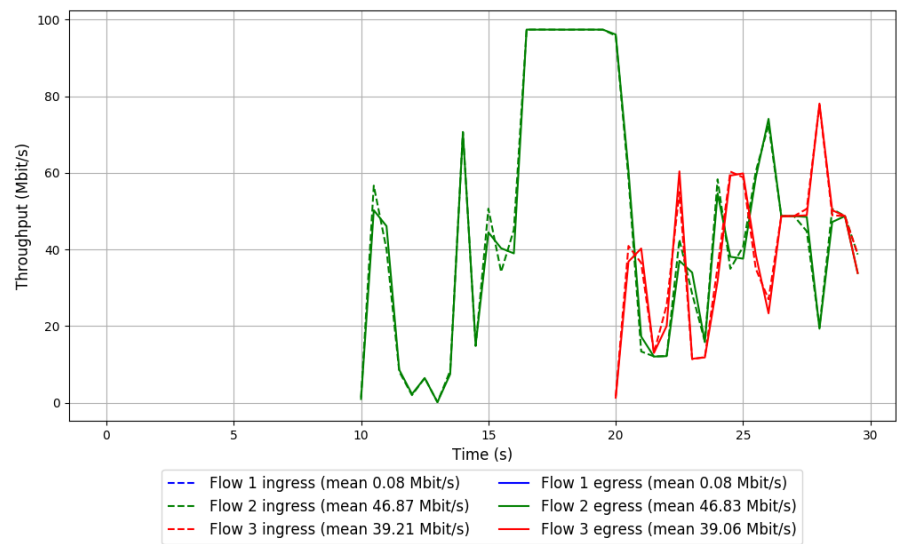
-- Flow 3:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 45.785 ms

Loss rate: 1.21%

Run 10: Report of QUIC Cubic — Data Link

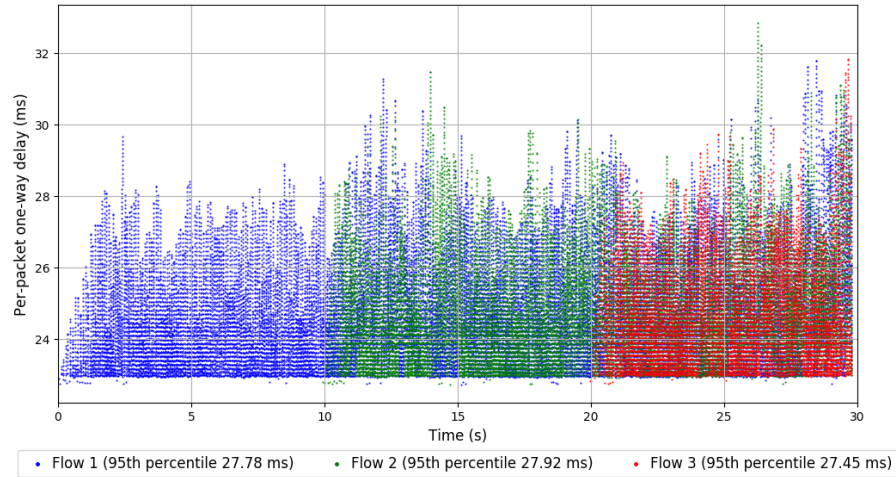
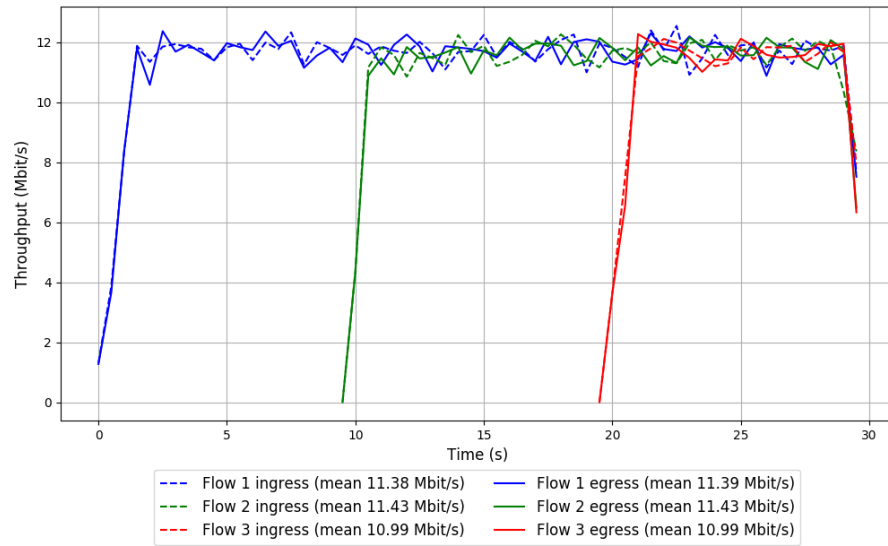


Run 1: Statistics of Sprout

Start at: 2017-09-18 06:51:57
End at: 2017-09-18 06:52:27
Local clock offset: 2.096 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2017-09-18 11:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 27.782 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 27.778 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 0.86%

Run 1: Report of Sprout — Data Link

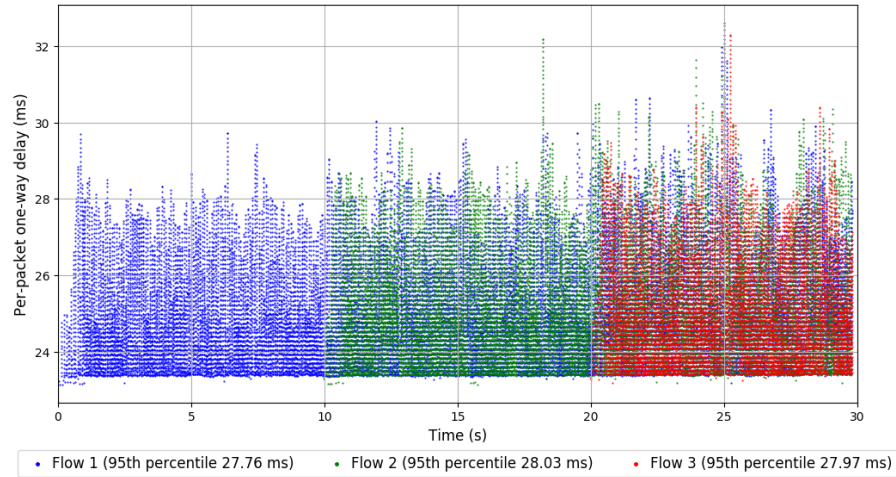
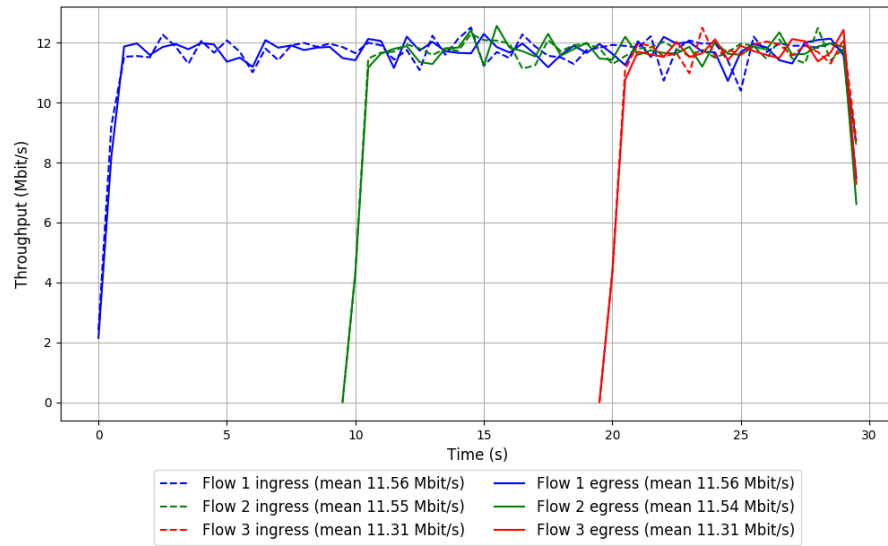


Run 2: Statistics of Sprout

Start at: 2017-09-18 07:05:50
End at: 2017-09-18 07:06:20
Local clock offset: 2.009 ms
Remote clock offset: -1.641 ms

```
# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 27.881 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 27.762 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 28.032 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 27.971 ms
Loss rate: 0.82%
```

Run 2: Report of Sprout — Data Link

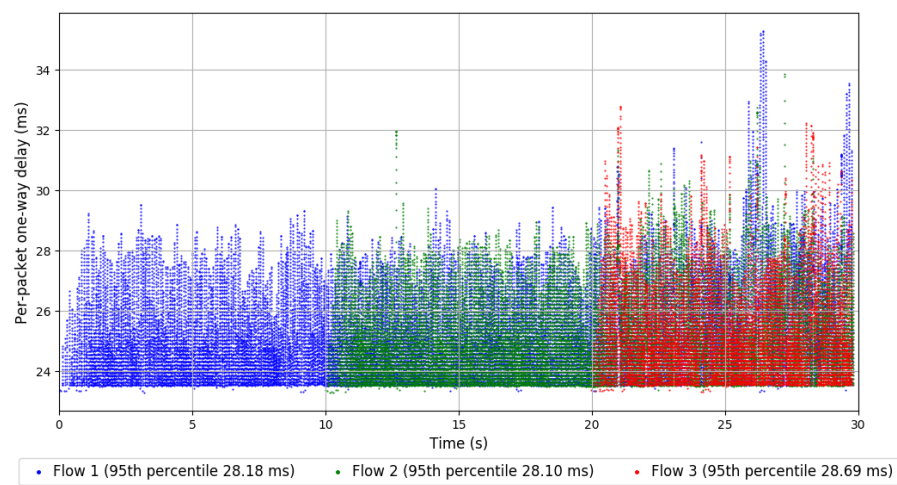
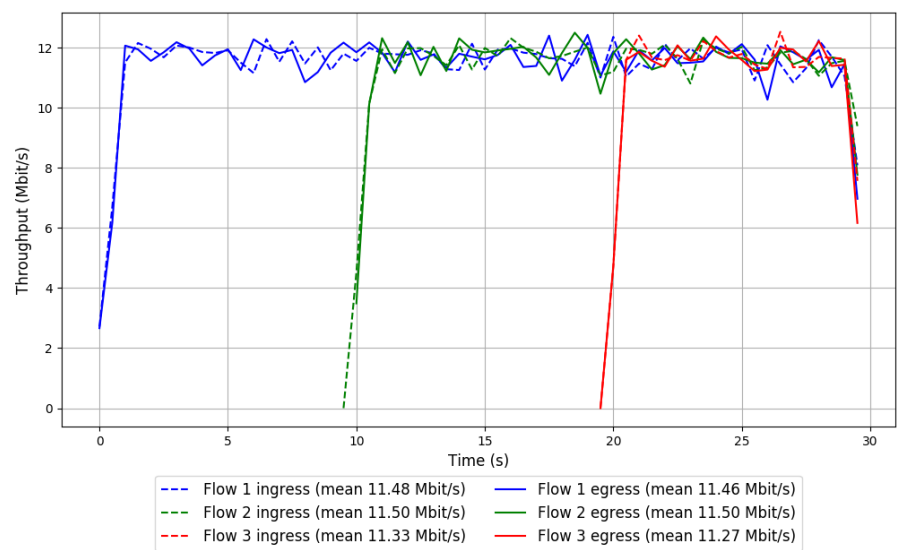


Run 3: Statistics of Sprout

Start at: 2017-09-18 07:19:41
End at: 2017-09-18 07:20:11
Local clock offset: 1.903 ms
Remote clock offset: -0.922 ms

Below is generated by plot.py at 2017-09-18 11:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 28.232 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 28.182 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 28.101 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 28.692 ms
Loss rate: 0.86%

Run 3: Report of Sprout — Data Link

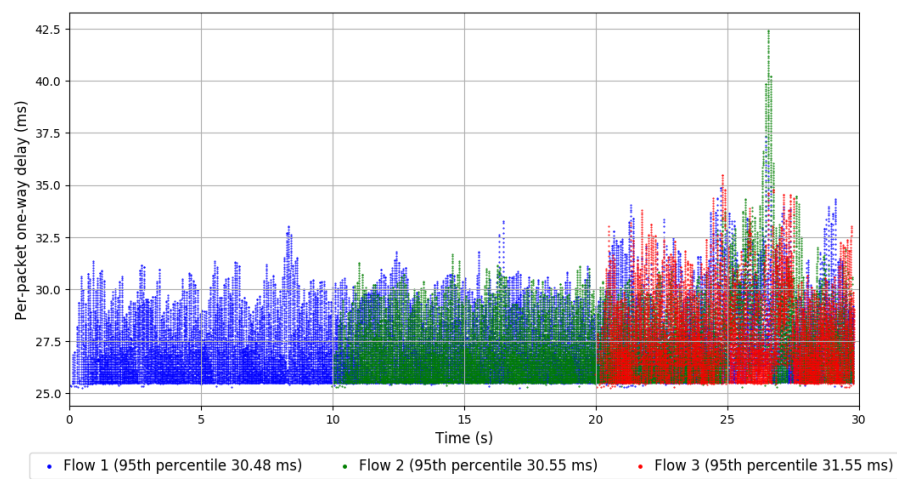
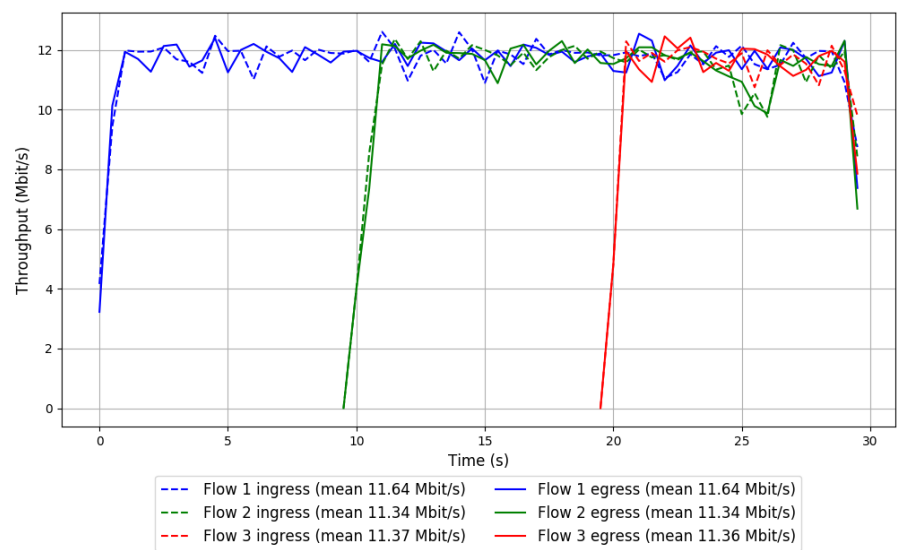


Run 4: Statistics of Sprout

Start at: 2017-09-18 07:33:31
End at: 2017-09-18 07:34:01
Local clock offset: 1.749 ms
Remote clock offset: -2.05 ms

```
# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 30.748 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 30.552 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 31.551 ms
Loss rate: 0.86%
```

Run 4: Report of Sprout — Data Link

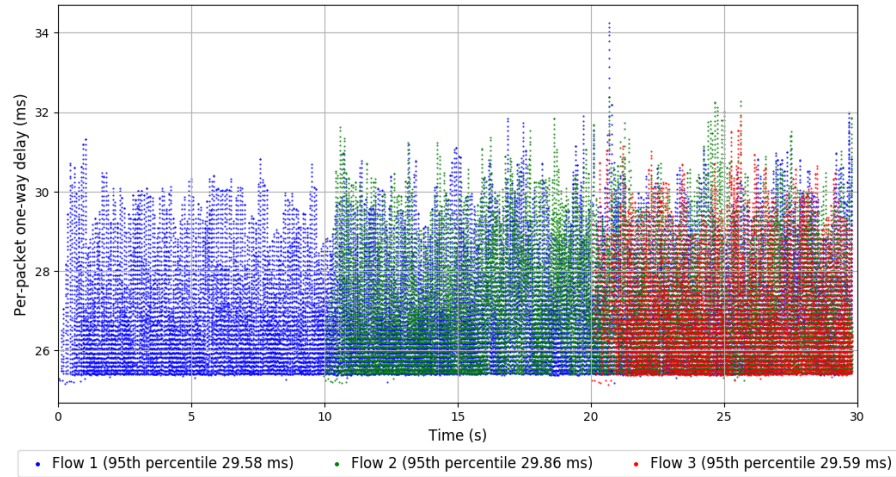
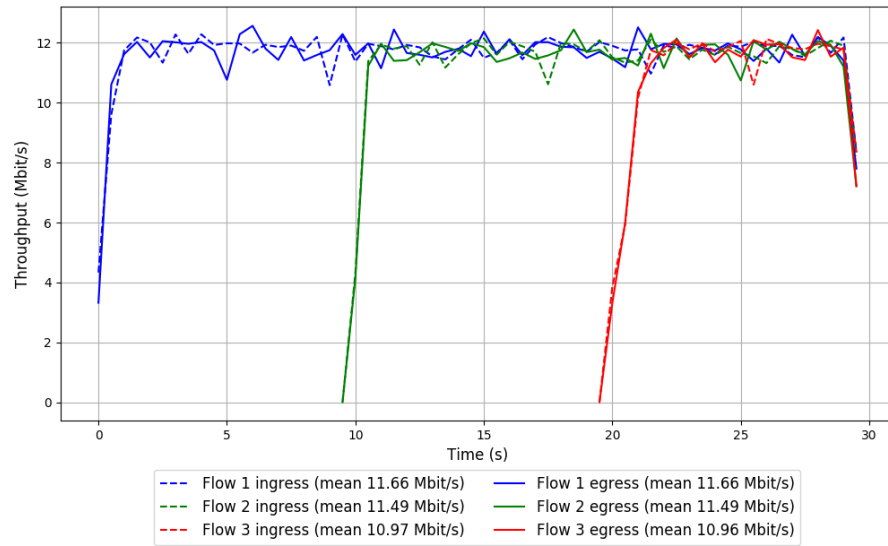


Run 5: Statistics of Sprout

Start at: 2017-09-18 07:47:24
End at: 2017-09-18 07:47:54
Local clock offset: 1.488 ms
Remote clock offset: -1.511 ms

```
# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 29.666 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 29.579 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 29.865 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 29.594 ms
Loss rate: 0.90%
```


Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-18 08:01:19

End at: 2017-09-18 08:01:49

Local clock offset: 1.353 ms

Remote clock offset: 1.059 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 28.566 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 11.48 Mbit/s

95th percentile per-packet one-way delay: 28.808 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 11.39 Mbit/s

95th percentile per-packet one-way delay: 28.273 ms

Loss rate: 0.42%

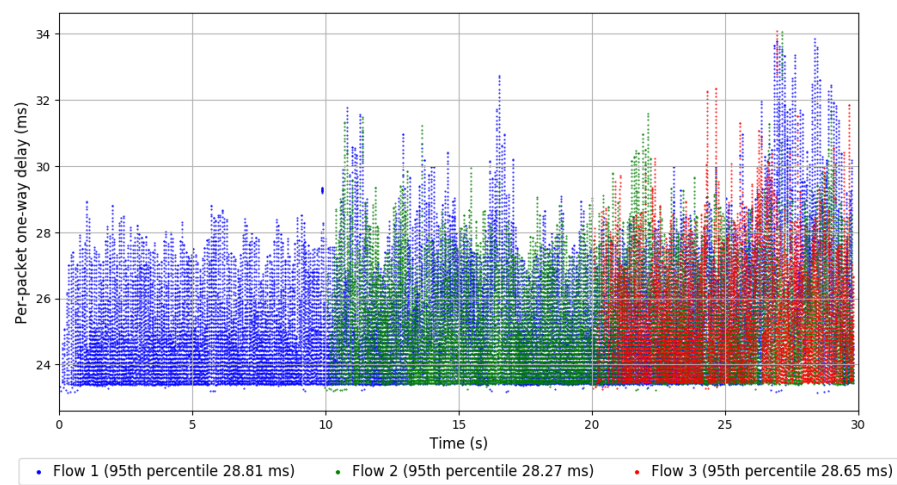
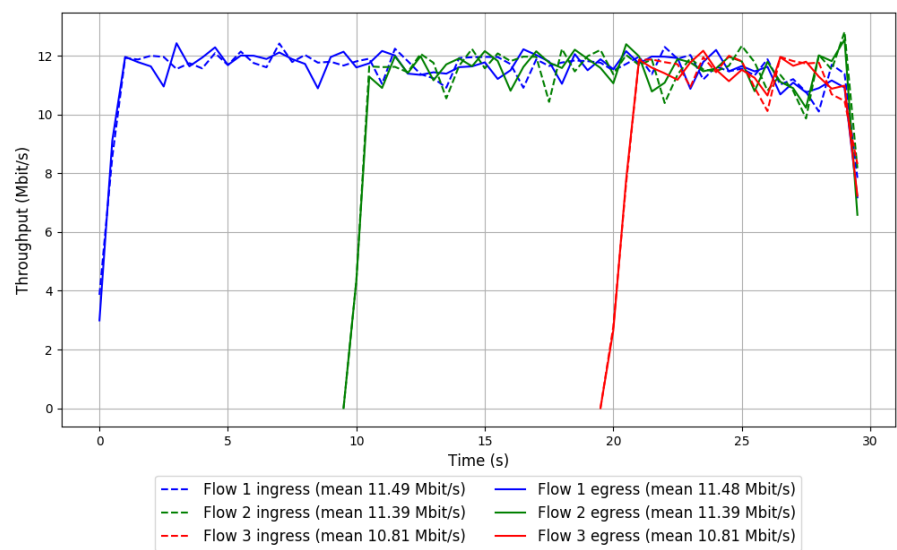
-- Flow 3:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 28.649 ms

Loss rate: 0.61%

Run 6: Report of Sprout — Data Link

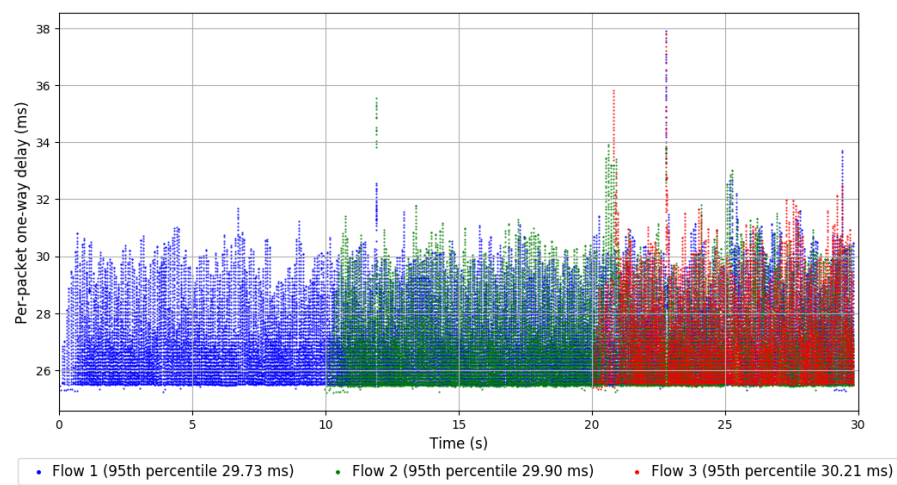
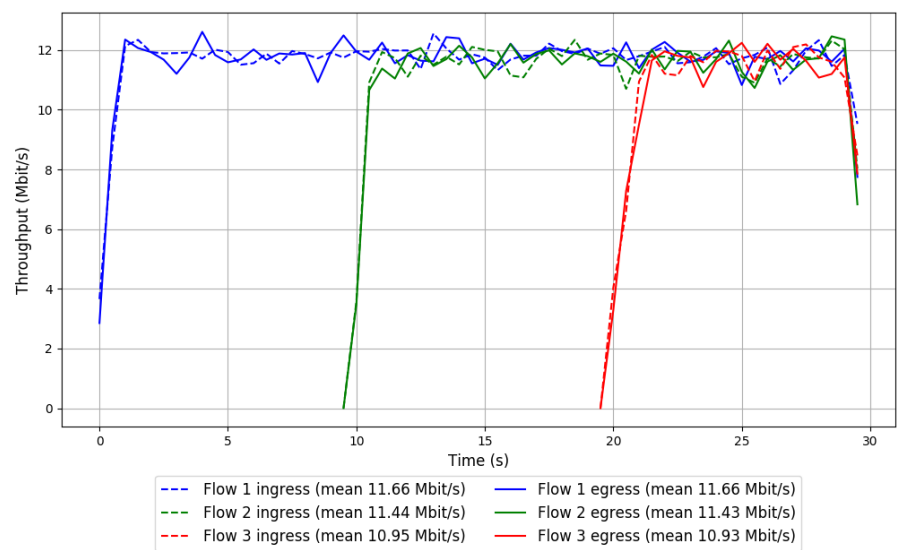


Run 7: Statistics of Sprout

Start at: 2017-09-18 08:15:08
End at: 2017-09-18 08:15:38
Local clock offset: 1.332 ms
Remote clock offset: -0.538 ms

```
# Below is generated by plot.py at 2017-09-18 11:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 29.855 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 29.725 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 29.899 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 30.212 ms
Loss rate: 0.75%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-18 08:29:07

End at: 2017-09-18 08:29:37

Local clock offset: 1.092 ms

Remote clock offset: 2.129 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 27.370 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 27.152 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 27.328 ms

Loss rate: 0.49%

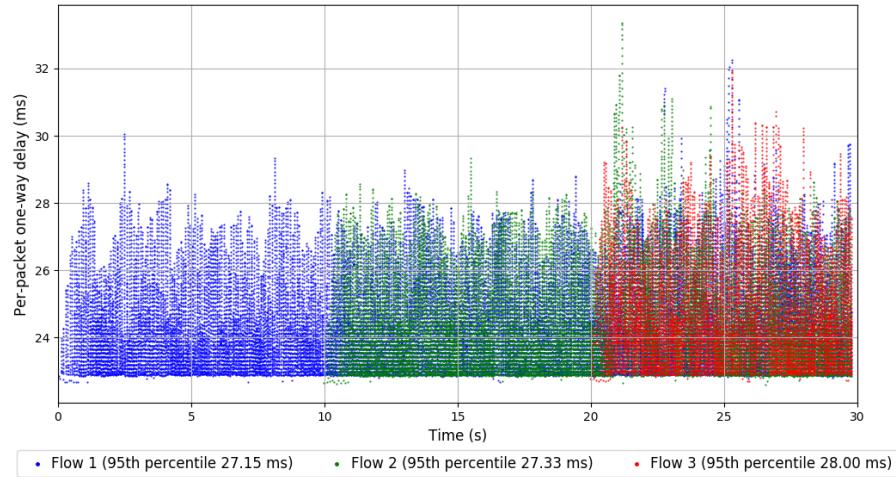
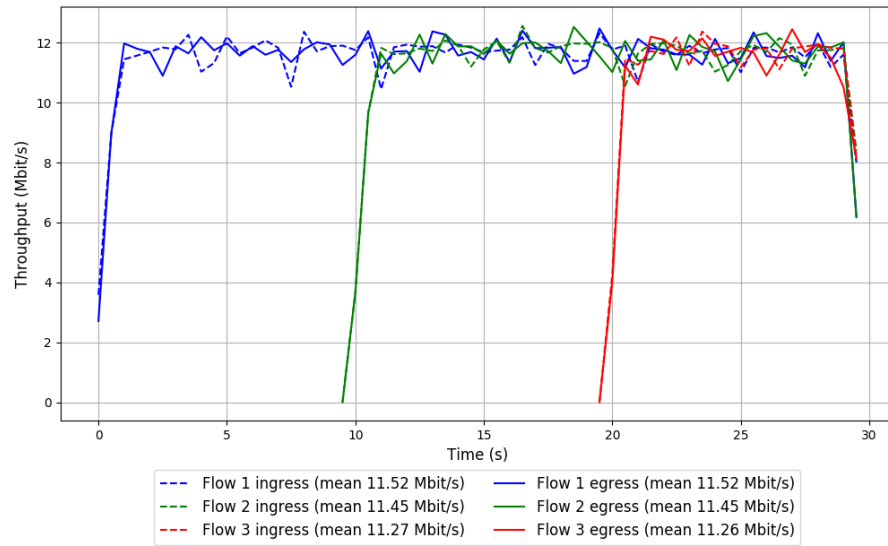
-- Flow 3:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 27.998 ms

Loss rate: 0.87%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-18 08:43:03

End at: 2017-09-18 08:43:33

Local clock offset: 1.076 ms

Remote clock offset: 1.674 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.87 Mbit/s

95th percentile per-packet one-way delay: 29.209 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 28.981 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 28.577 ms

Loss rate: 0.37%

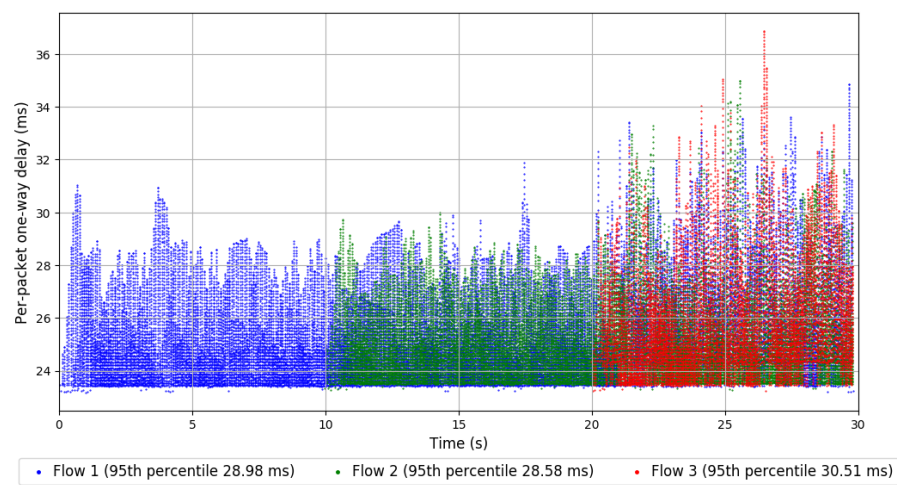
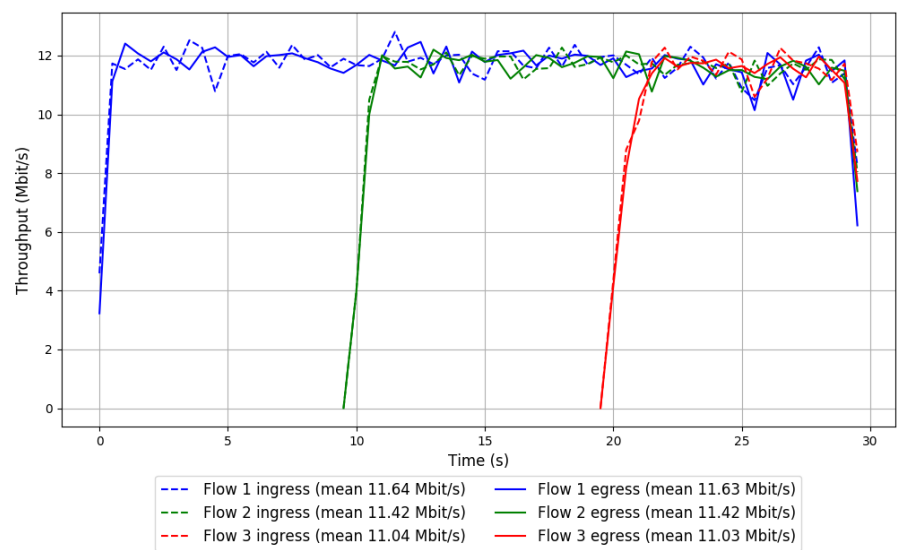
-- Flow 3:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 30.513 ms

Loss rate: 0.89%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-09-18 08:56:53

End at: 2017-09-18 08:57:23

Local clock offset: 0.893 ms

Remote clock offset: 2.174 ms

Below is generated by plot.py at 2017-09-18 11:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.80 Mbit/s

95th percentile per-packet one-way delay: 27.555 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 27.431 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 27.471 ms

Loss rate: 0.36%

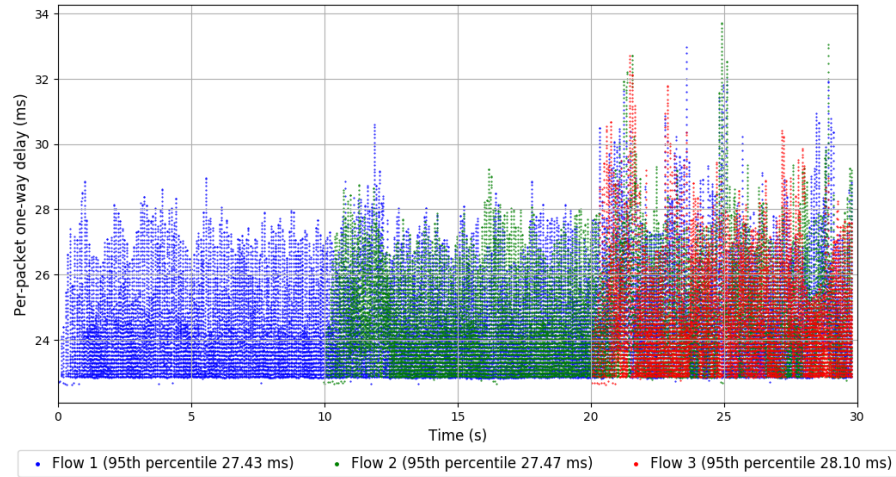
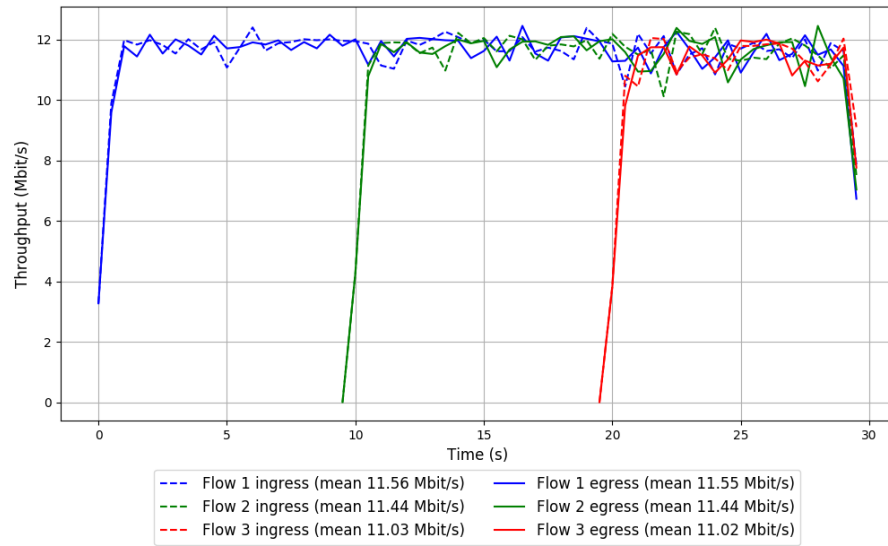
-- Flow 3:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 28.101 ms

Loss rate: 0.89%

Run 10: Report of Sprout — Data Link

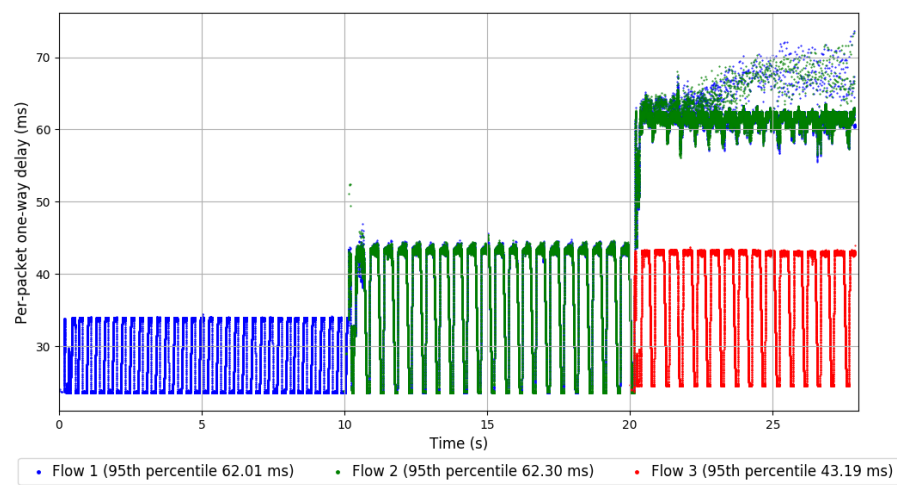
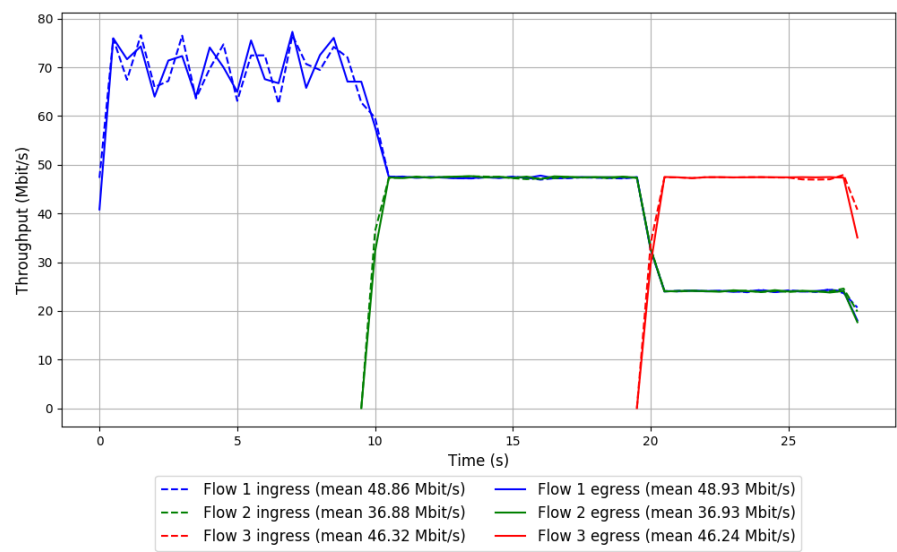


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-18 06:56:01
End at: 2017-09-18 06:56:31
Local clock offset: 2.149 ms
Remote clock offset: -2.369 ms

# Below is generated by plot.py at 2017-09-18 11:41:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 62.098 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 62.008 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 62.304 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 43.193 ms
Loss rate: 1.21%
```

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

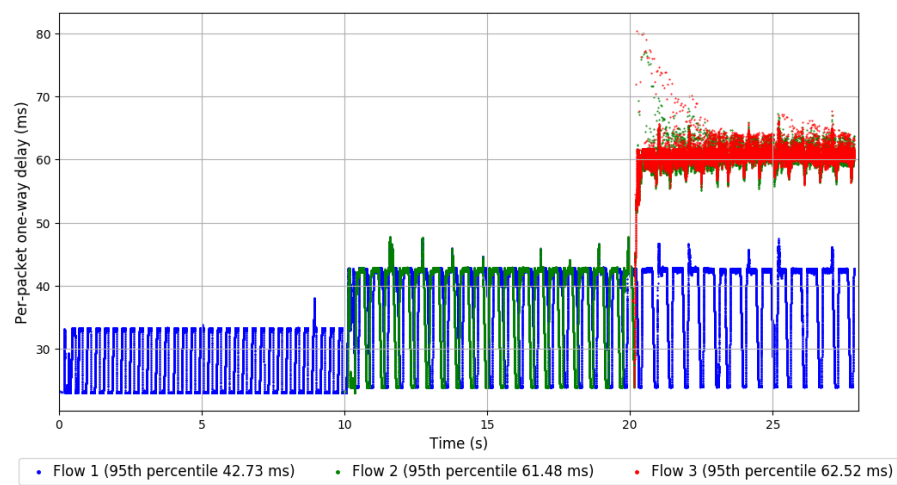
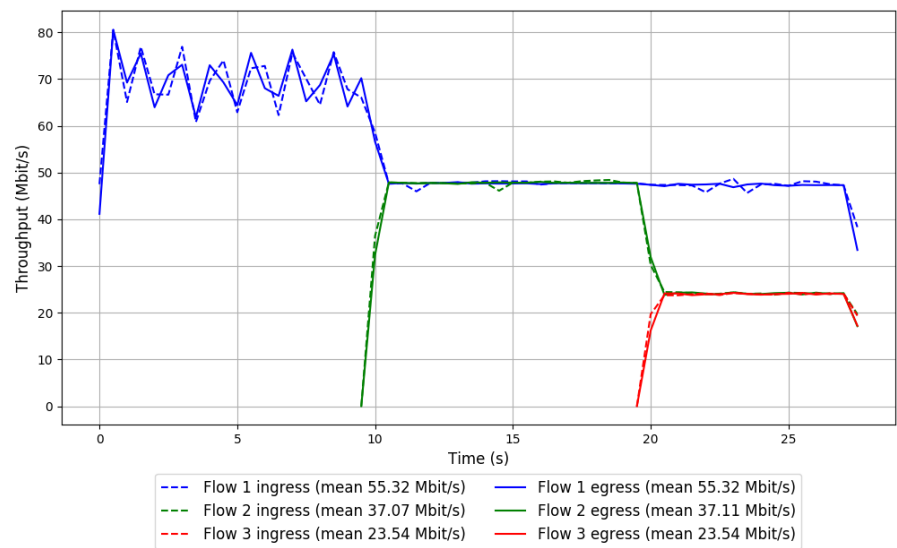


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-18 07:09:55
End at: 2017-09-18 07:10:25
Local clock offset: 1.992 ms
Remote clock offset: -1.086 ms

Below is generated by plot.py at 2017-09-18 11:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 61.313 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 42.729 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 62.520 ms
Loss rate: 1.38%

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

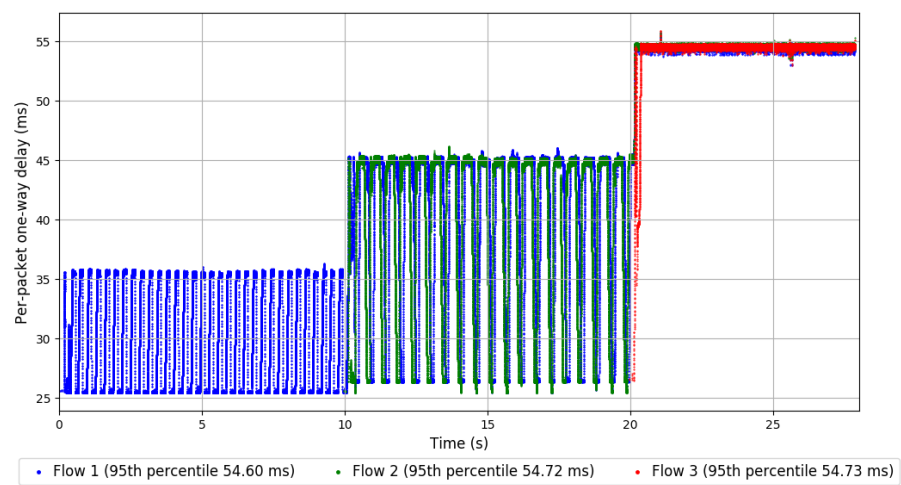
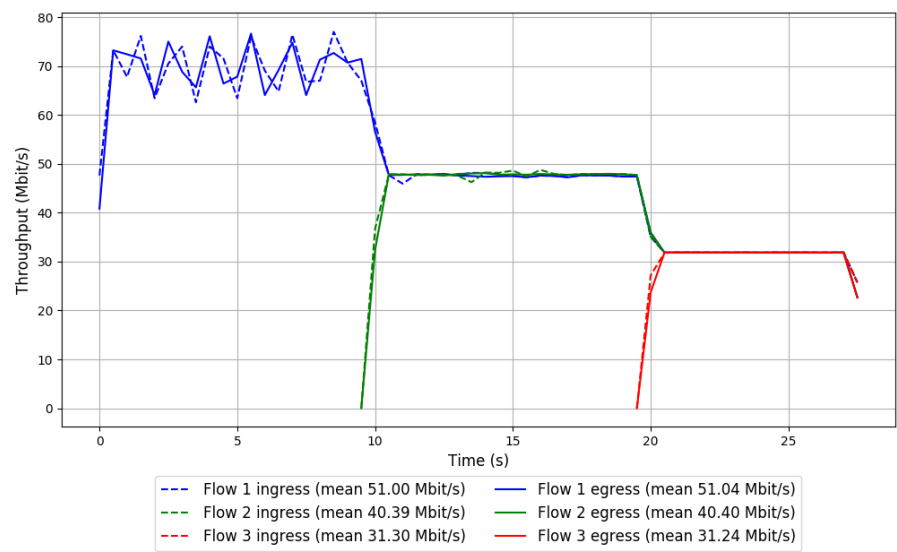


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-18 07:23:46
End at: 2017-09-18 07:24:16
Local clock offset: 1.879 ms
Remote clock offset: -2.645 ms

Below is generated by plot.py at 2017-09-18 11:41:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 54.603 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 54.716 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 1.31%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-18 07:37:36

End at: 2017-09-18 07:38:06

Local clock offset: 1.687 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2017-09-18 11:41:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 61.615 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 61.523 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.96 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 0.41%

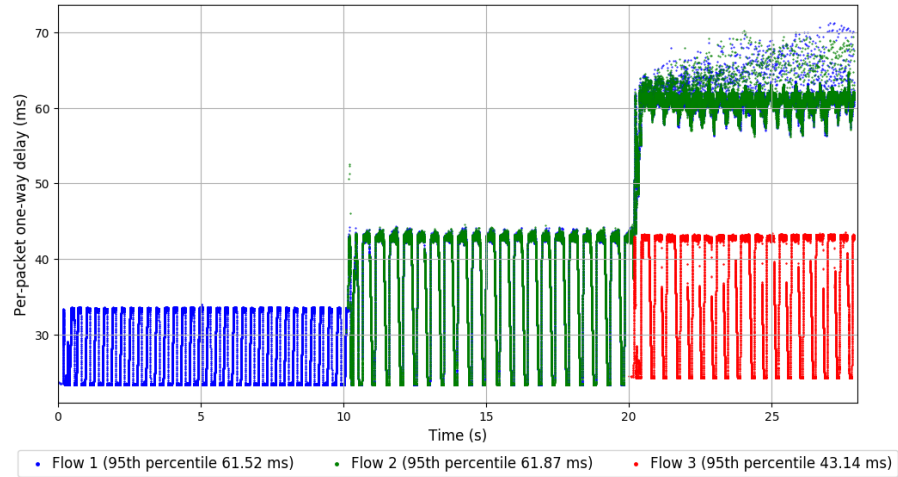
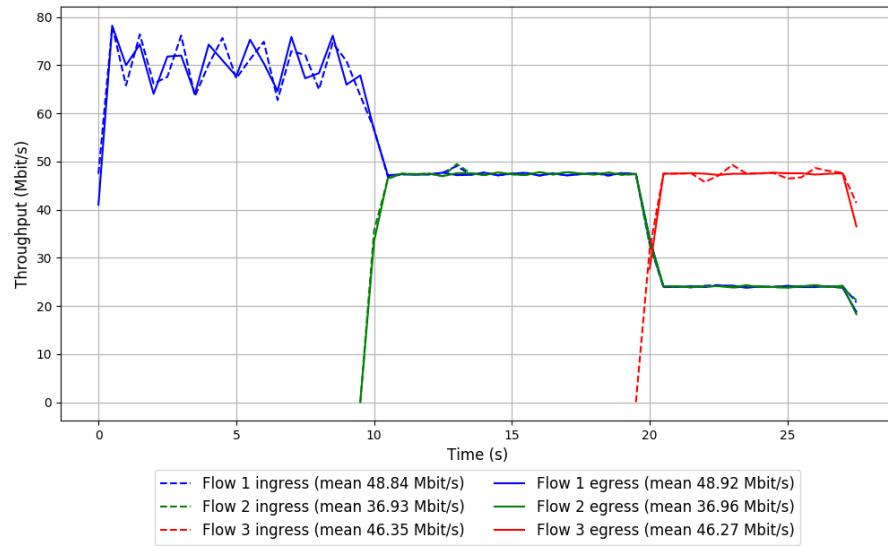
-- Flow 3:

Average throughput: 46.27 Mbit/s

95th percentile per-packet one-way delay: 43.137 ms

Loss rate: 1.22%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-18 07:51:29

End at: 2017-09-18 07:51:59

Local clock offset: 1.44 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2017-09-18 11:41:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.64 Mbit/s

95th percentile per-packet one-way delay: 52.465 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 50.92 Mbit/s

95th percentile per-packet one-way delay: 52.419 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 52.509 ms

Loss rate: 0.45%

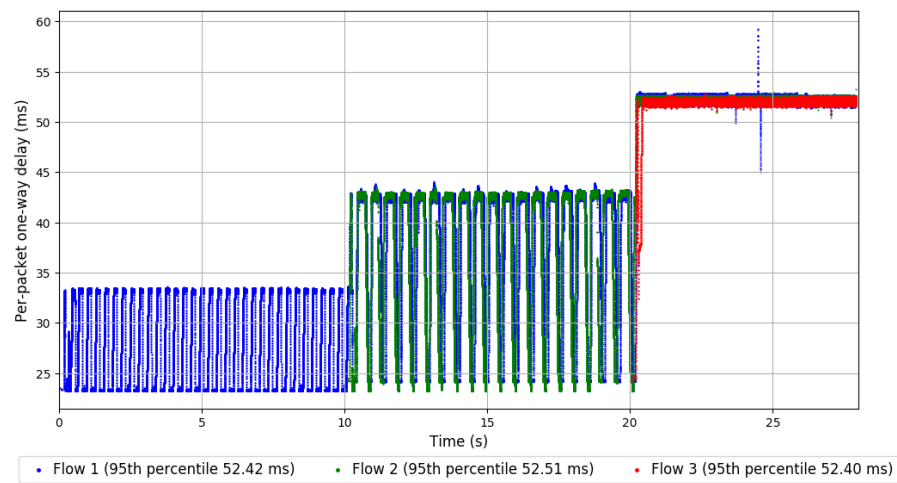
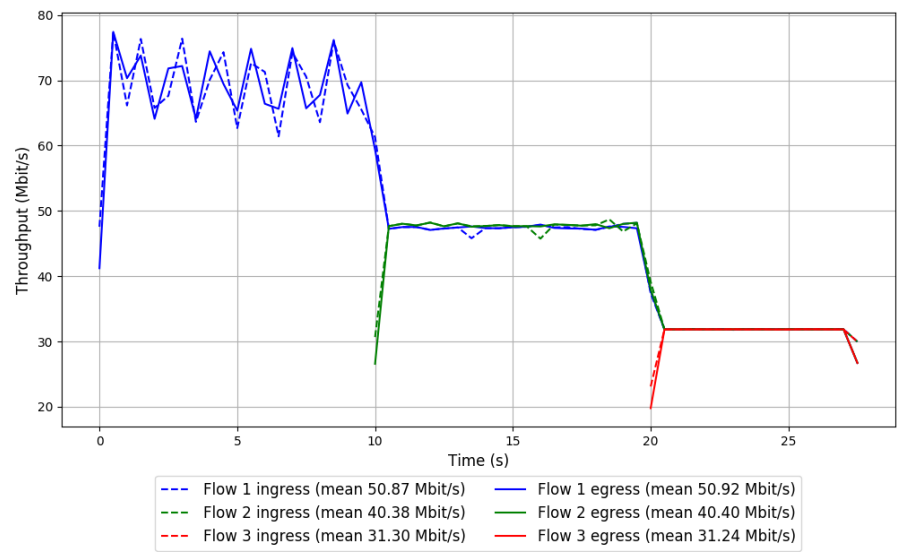
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 52.401 ms

Loss rate: 1.31%

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

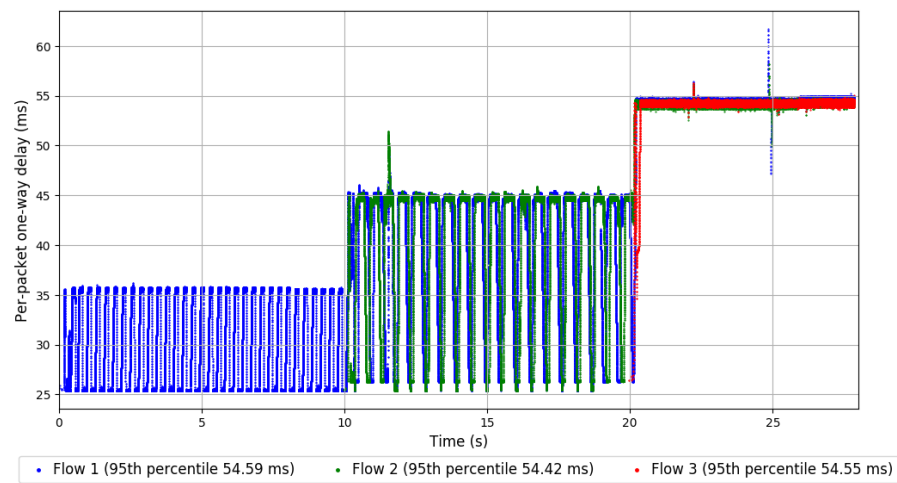
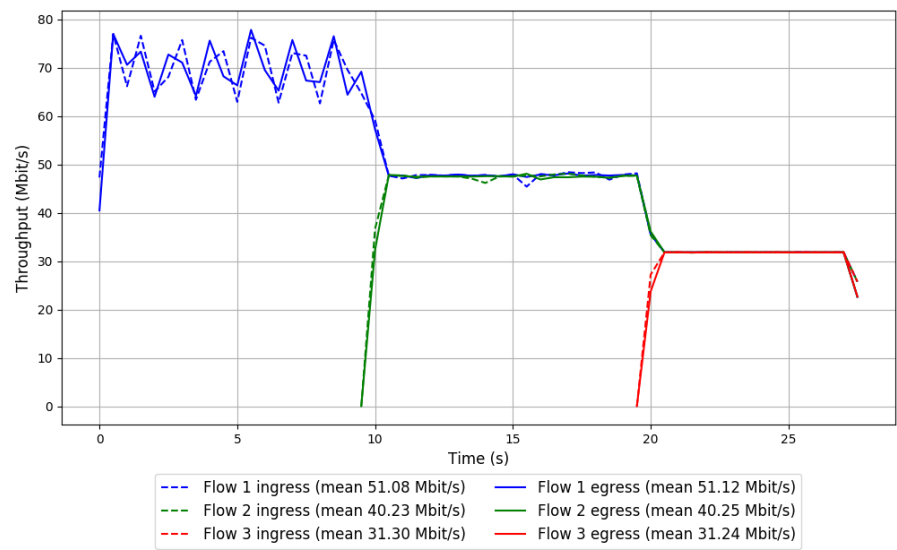


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-18 08:05:23
End at: 2017-09-18 08:05:53
Local clock offset: 1.311 ms
Remote clock offset: -0.815 ms

Below is generated by plot.py at 2017-09-18 11:41:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 54.549 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 54.591 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 54.555 ms
Loss rate: 1.31%

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

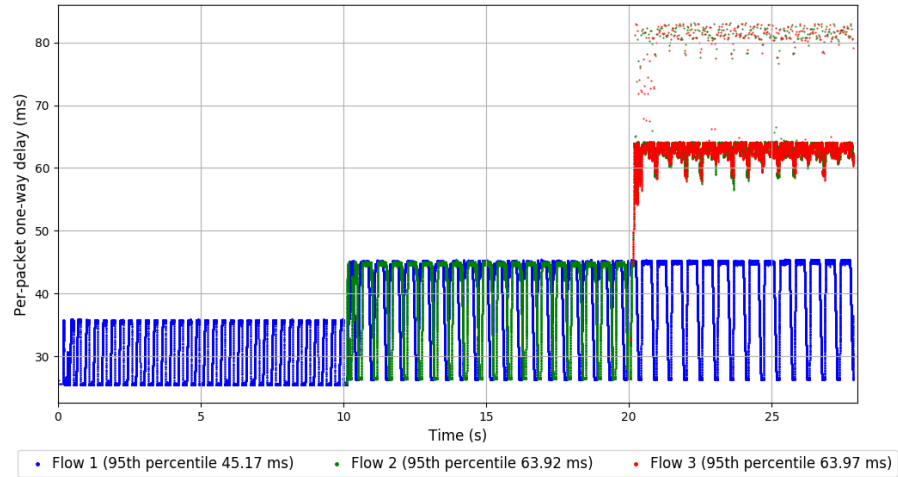
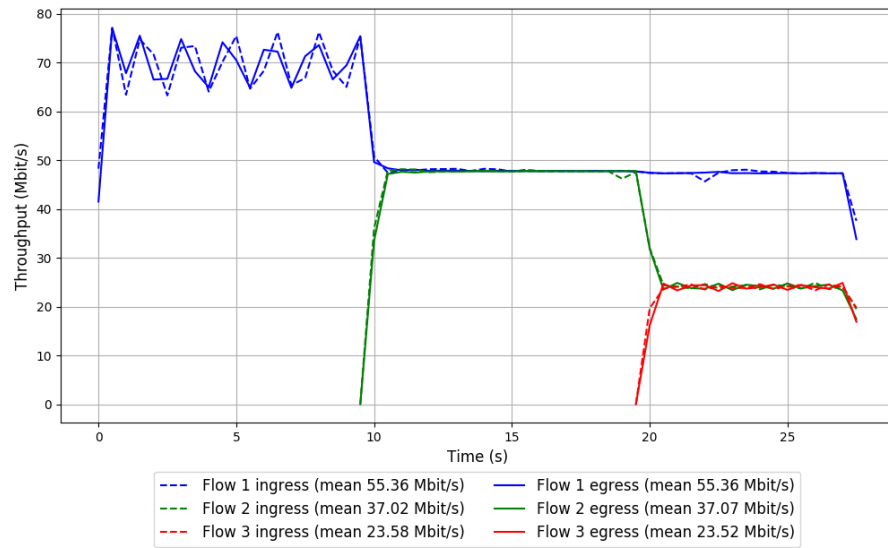


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-18 08:19:20
End at: 2017-09-18 08:19:50
Local clock offset: 1.179 ms
Remote clock offset: -0.649 ms

Below is generated by plot.py at 2017-09-18 11:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 63.697 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 45.166 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 63.969 ms
Loss rate: 1.45%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-18 08:33:12

End at: 2017-09-18 08:33:42

Local clock offset: 1.147 ms

Remote clock offset: 1.676 ms

Below is generated by plot.py at 2017-09-18 11:41:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 52.366 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 51.28 Mbit/s

95th percentile per-packet one-way delay: 52.179 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 52.394 ms

Loss rate: 0.48%

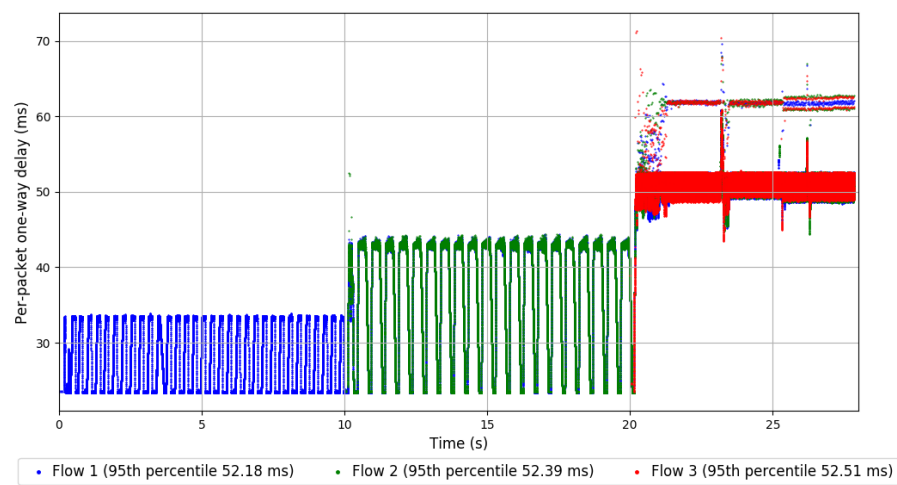
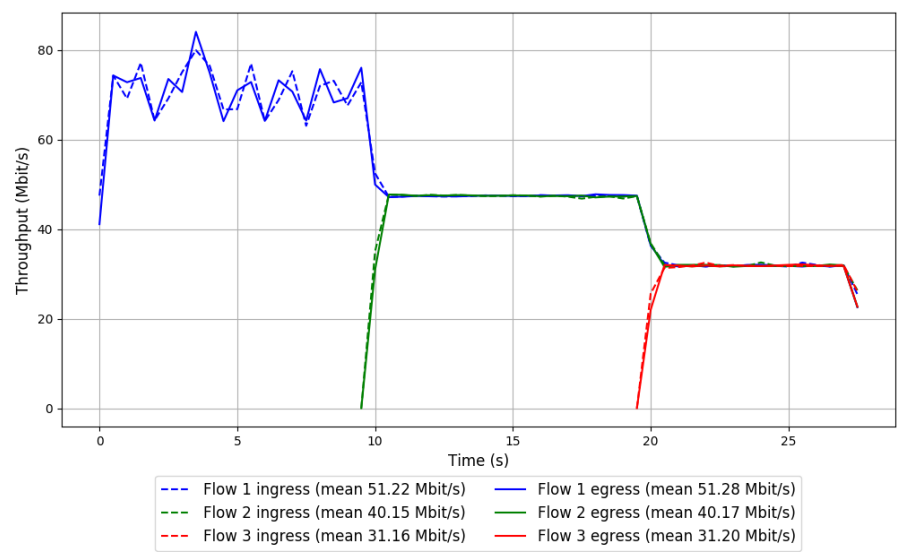
-- Flow 3:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 52.514 ms

Loss rate: 1.30%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-18 08:47:08

End at: 2017-09-18 08:47:38

Local clock offset: 1.045 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2017-09-18 11:43:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 54.685 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 51.04 Mbit/s

95th percentile per-packet one-way delay: 54.493 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 54.804 ms

Loss rate: 0.44%

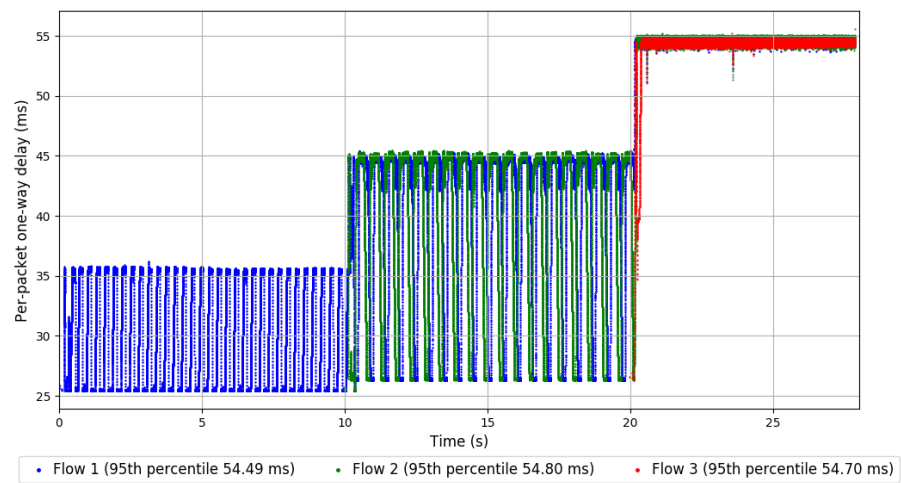
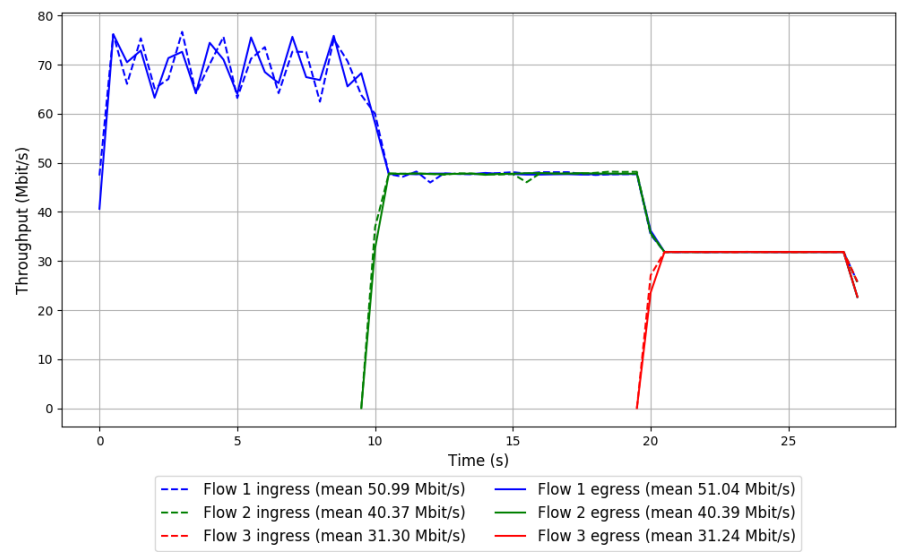
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 54.702 ms

Loss rate: 1.32%

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

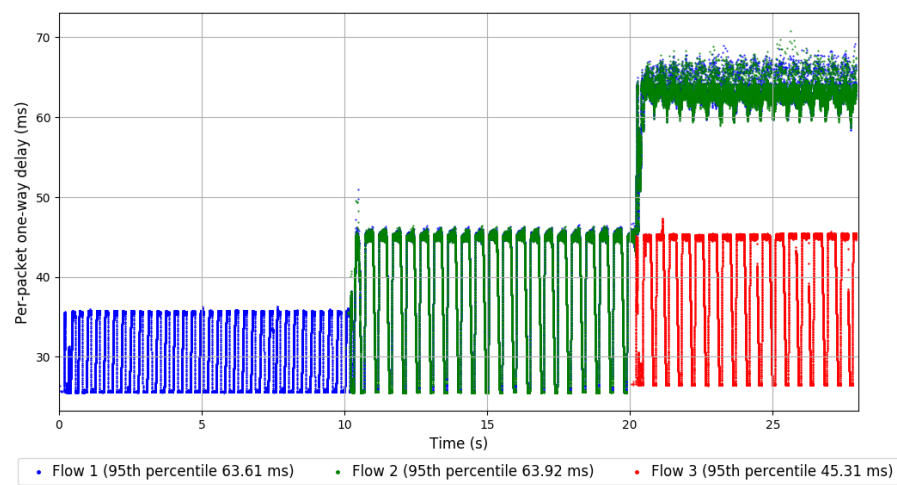
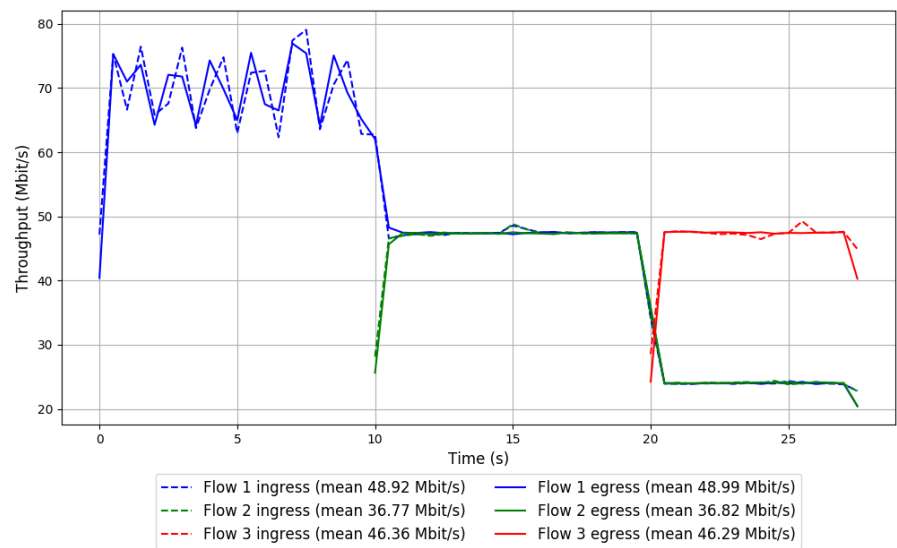


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-18 09:00:58
End at: 2017-09-18 09:01:28
Local clock offset: 0.875 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2017-09-18 11:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 63.662 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 63.614 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 45.313 ms
Loss rate: 1.22%

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

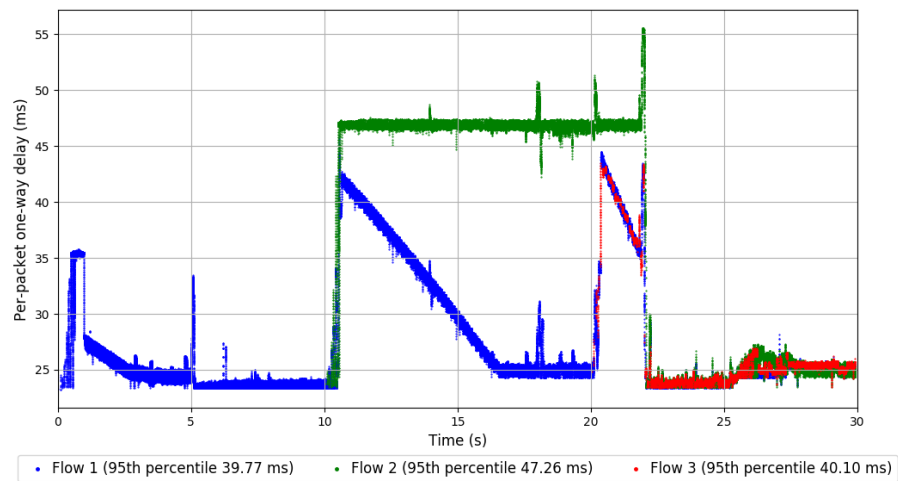
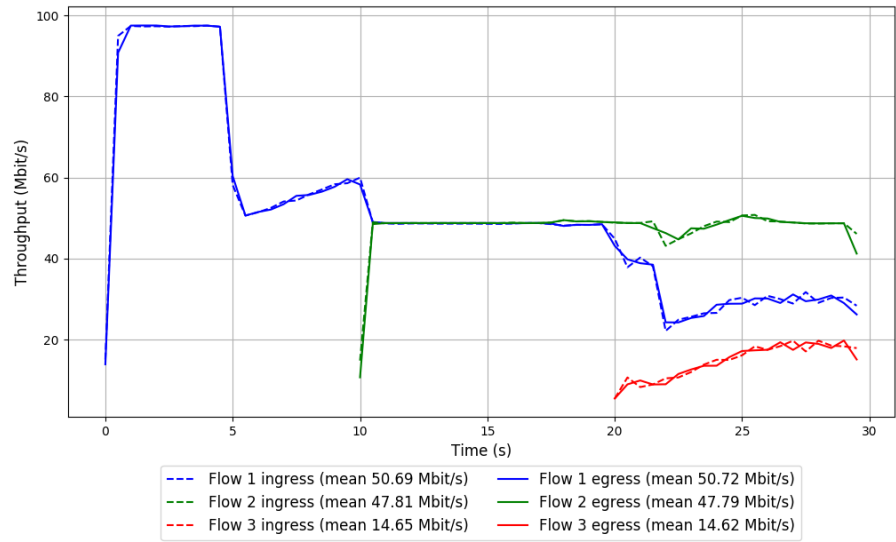


Run 1: Statistics of TCP Vegas

Start at: 2017-09-18 06:54:39
End at: 2017-09-18 06:55:09
Local clock offset: 2.075 ms
Remote clock offset: -2.362 ms

Below is generated by plot.py at 2017-09-18 11:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 47.061 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 39.768 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 47.258 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 40.104 ms
Loss rate: 0.98%

Run 1: Report of TCP Vegas — Data Link

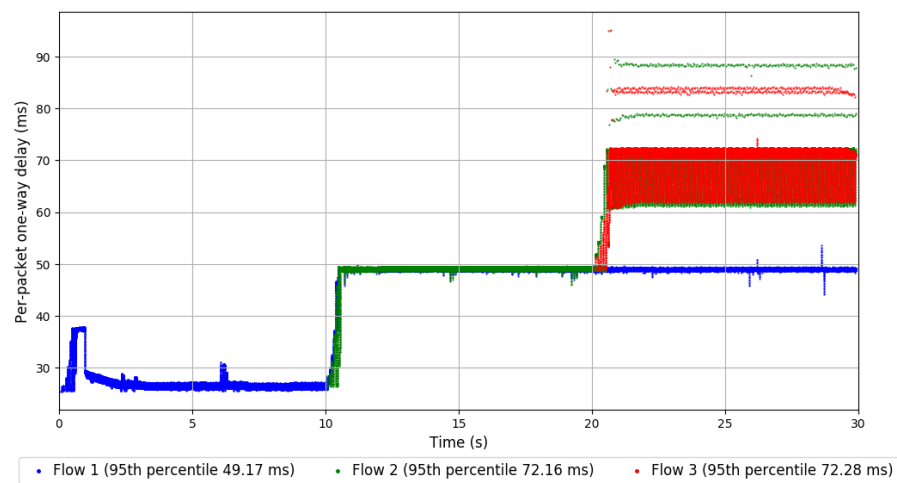
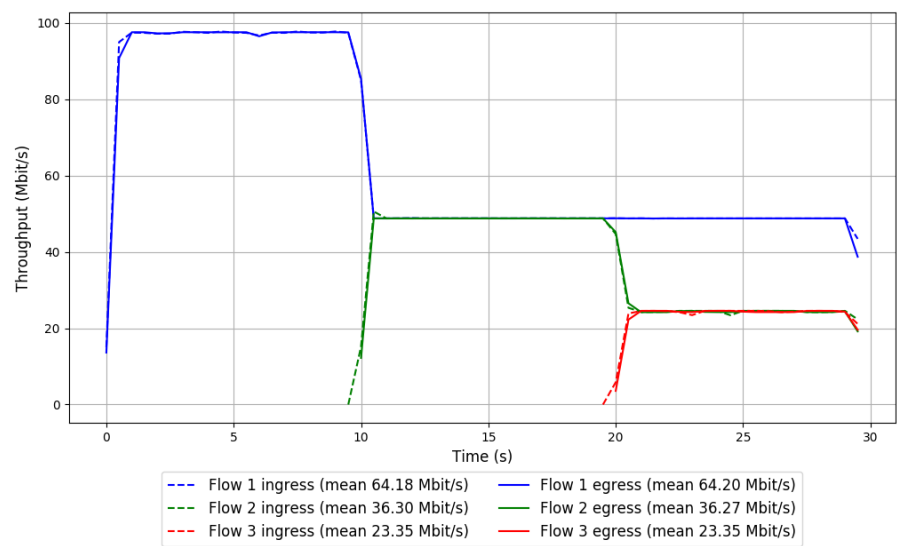


Run 2: Statistics of TCP Vegas

Start at: 2017-09-18 07:08:32
End at: 2017-09-18 07:09:02
Local clock offset: 1.98 ms
Remote clock offset: -3.587 ms

Below is generated by plot.py at 2017-09-18 11:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 71.999 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 72.164 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 72.279 ms
Loss rate: 1.12%

Run 2: Report of TCP Vegas — Data Link

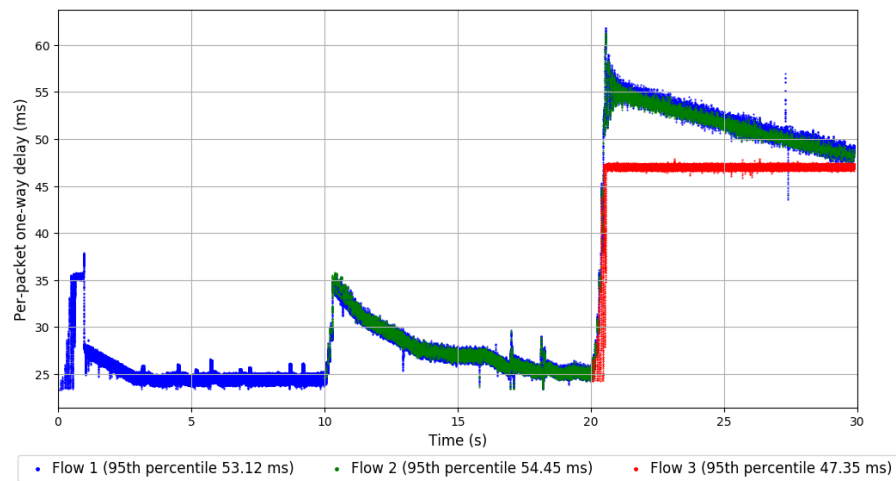
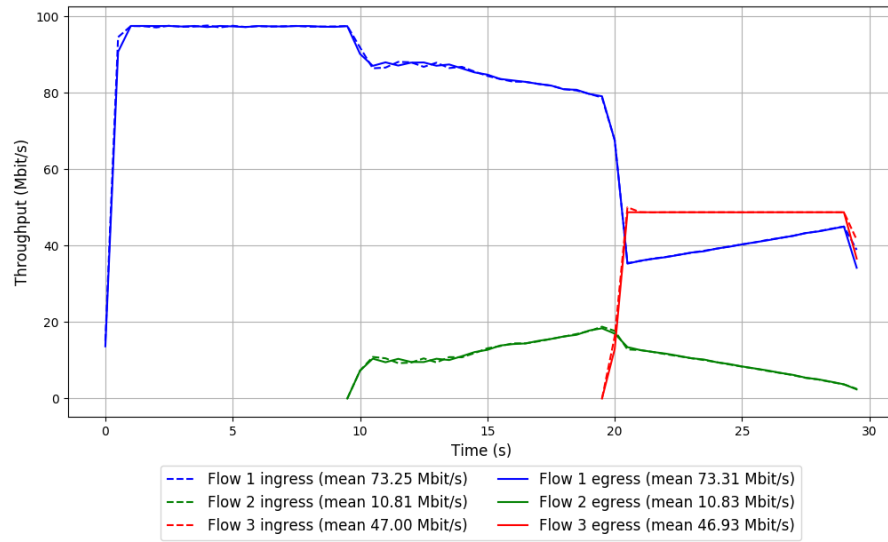


Run 3: Statistics of TCP Vegas

Start at: 2017-09-18 07:22:22
End at: 2017-09-18 07:22:52
Local clock offset: 1.894 ms
Remote clock offset: -0.645 ms

Below is generated by plot.py at 2017-09-18 11:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 53.077 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 53.121 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 54.452 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 47.350 ms
Loss rate: 1.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-18 07:36:12

End at: 2017-09-18 07:36:42

Local clock offset: 1.626 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at 2017-09-18 11:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 60.791 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 60.714 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 60.746 ms

Loss rate: 0.44%

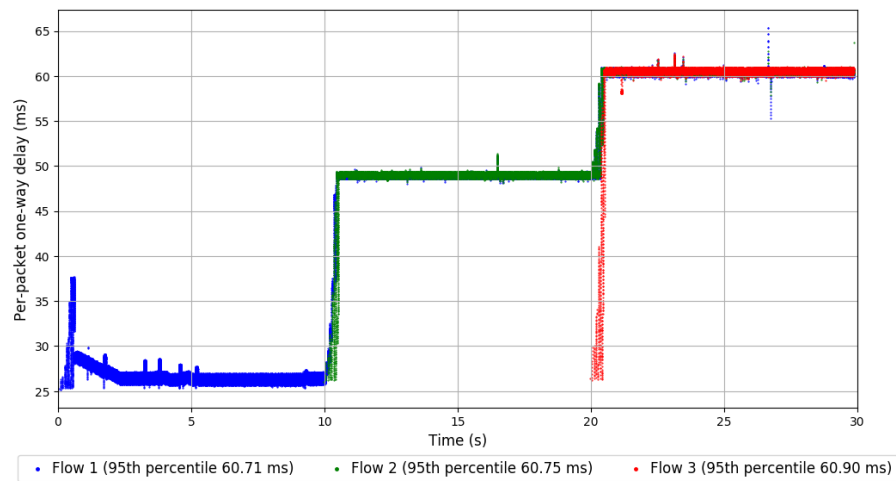
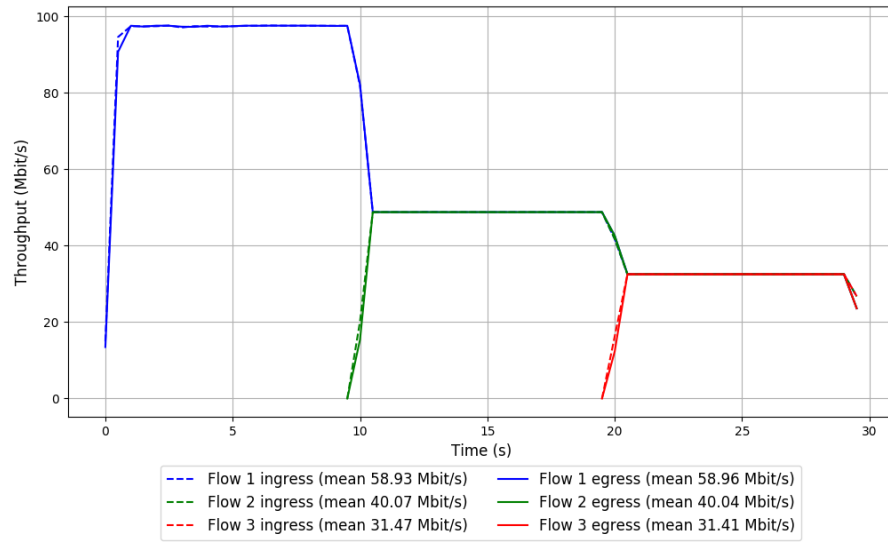
-- Flow 3:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 60.898 ms

Loss rate: 1.13%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-18 07:50:06

End at: 2017-09-18 07:50:36

Local clock offset: 1.555 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2017-09-18 11:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 47.212 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 47.163 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 33.57 Mbit/s

95th percentile per-packet one-way delay: 51.555 ms

Loss rate: 0.35%

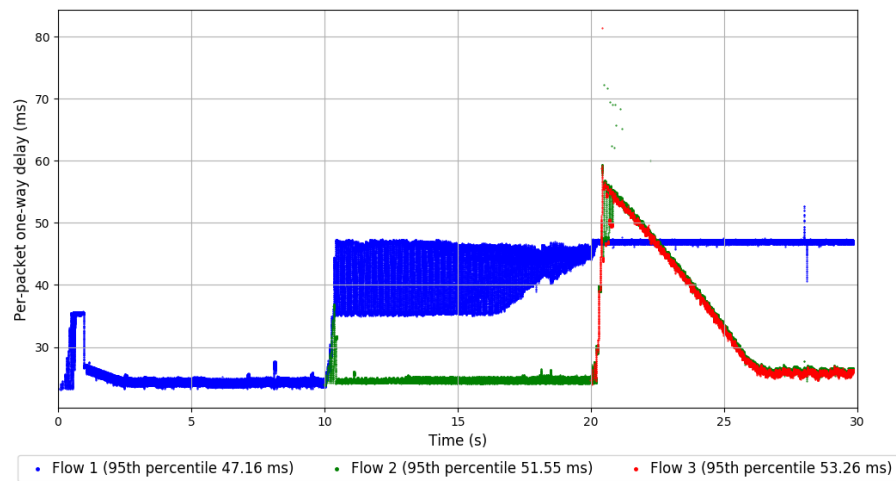
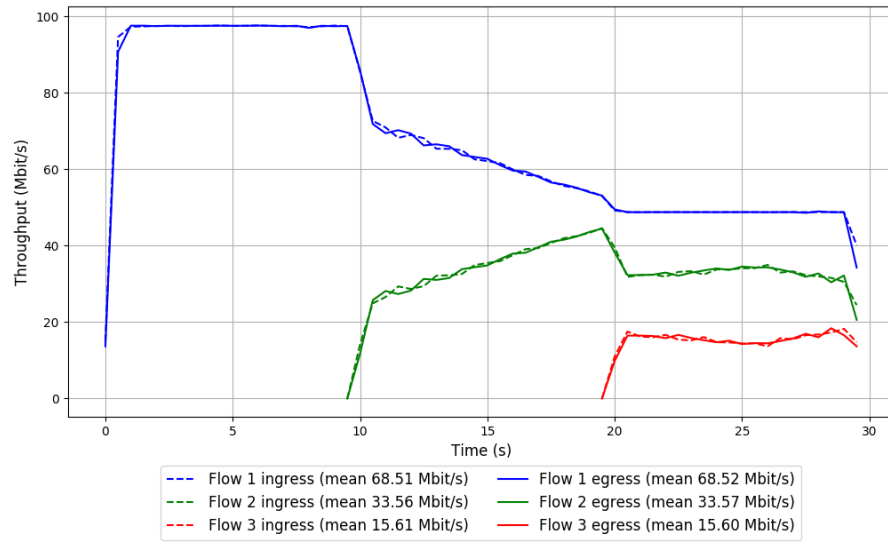
-- Flow 3:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 0.91%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-18 08:04:00

End at: 2017-09-18 08:04:30

Local clock offset: 1.413 ms

Remote clock offset: 1.233 ms

Below is generated by plot.py at 2017-09-18 11:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 69.899 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 64.11 Mbit/s

95th percentile per-packet one-way delay: 47.261 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 36.40 Mbit/s

95th percentile per-packet one-way delay: 70.089 ms

Loss rate: 0.38%

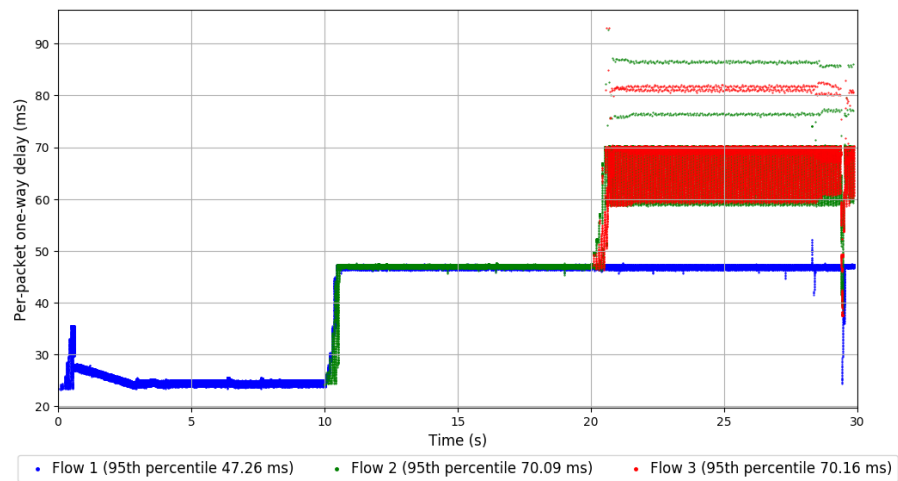
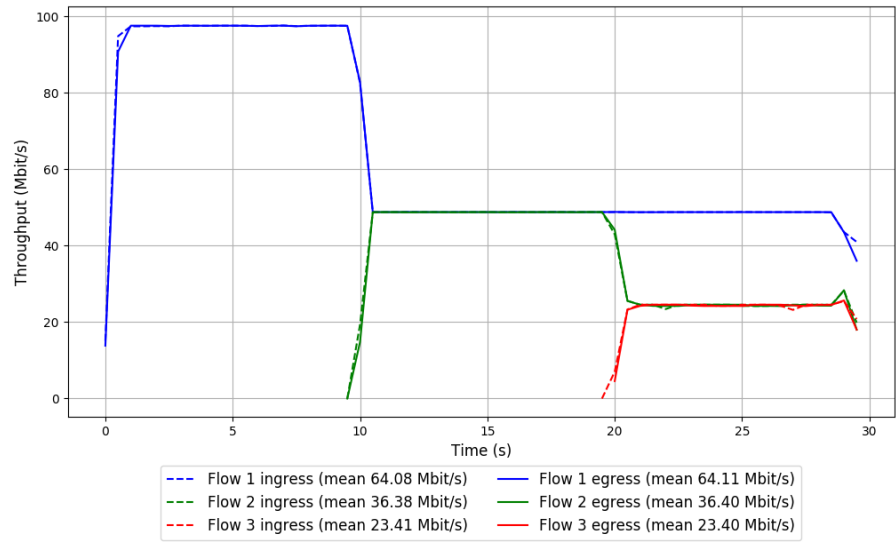
-- Flow 3:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 70.163 ms

Loss rate: 1.19%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-09-18 08:17:56

End at: 2017-09-18 08:18:26

Local clock offset: 1.295 ms

Remote clock offset: 1.534 ms

Below is generated by plot.py at 2017-09-18 11:44:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.07 Mbit/s

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

Loss rate: 0.37%

-- Flow 1:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 58.785 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 58.874 ms

Loss rate: 0.44%

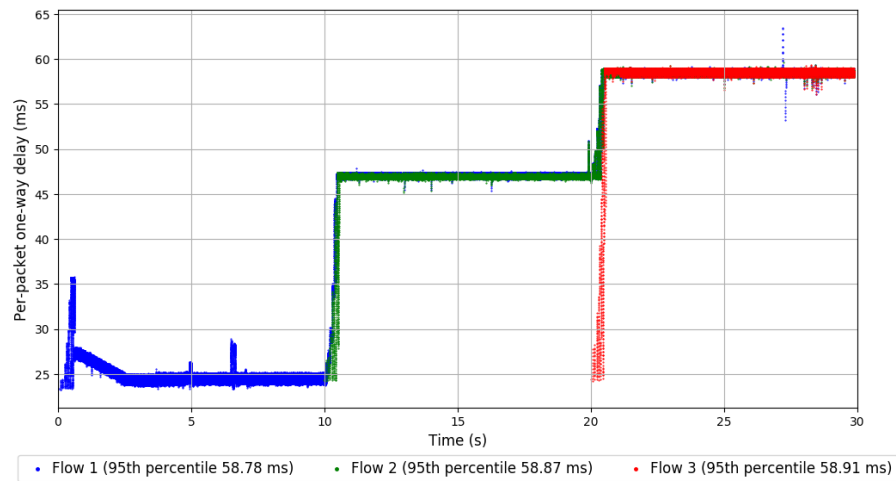
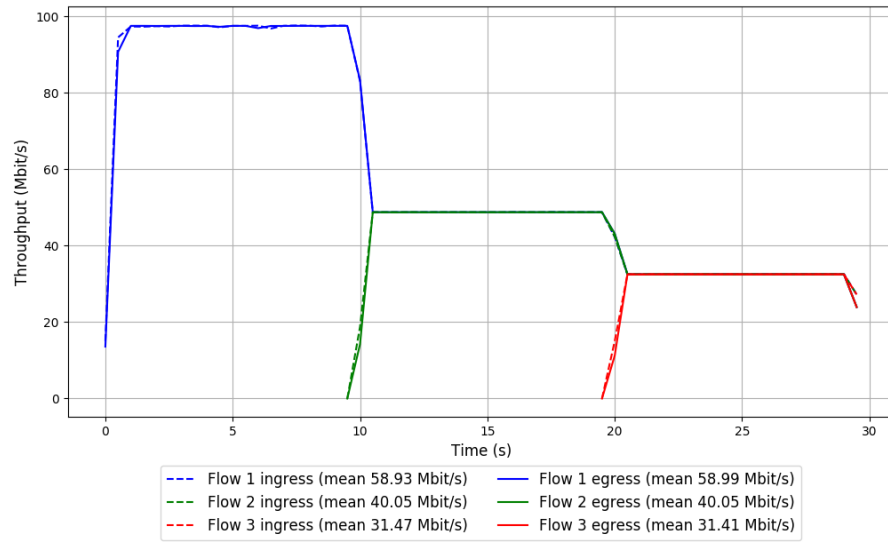
-- Flow 3:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 58.911 ms

Loss rate: 1.13%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-18 08:31:48

End at: 2017-09-18 08:32:18

Local clock offset: 1.17 ms

Remote clock offset: 2.053 ms

Below is generated by plot.py at 2017-09-18 11:44:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 58.346 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 58.179 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 58.362 ms

Loss rate: 0.27%

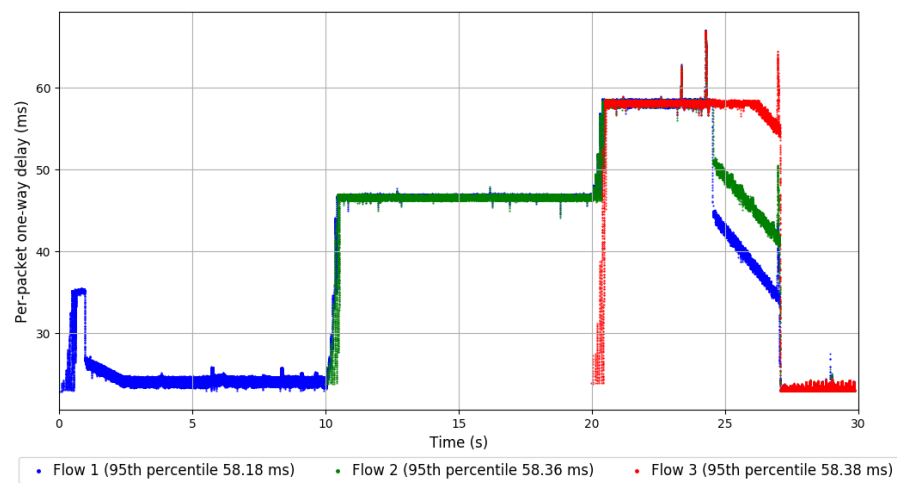
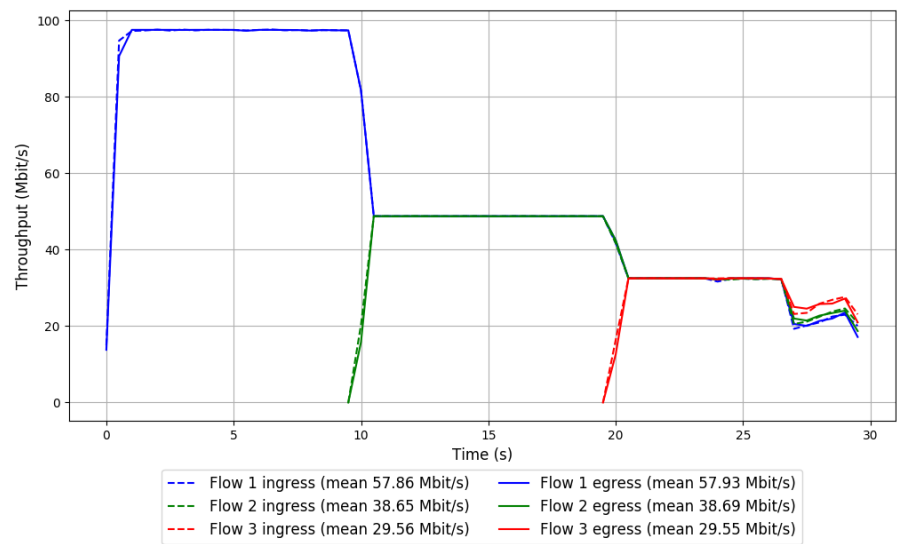
-- Flow 3:

Average throughput: 29.55 Mbit/s

95th percentile per-packet one-way delay: 58.384 ms

Loss rate: 0.80%

Run 8: Report of TCP Vegas — Data Link

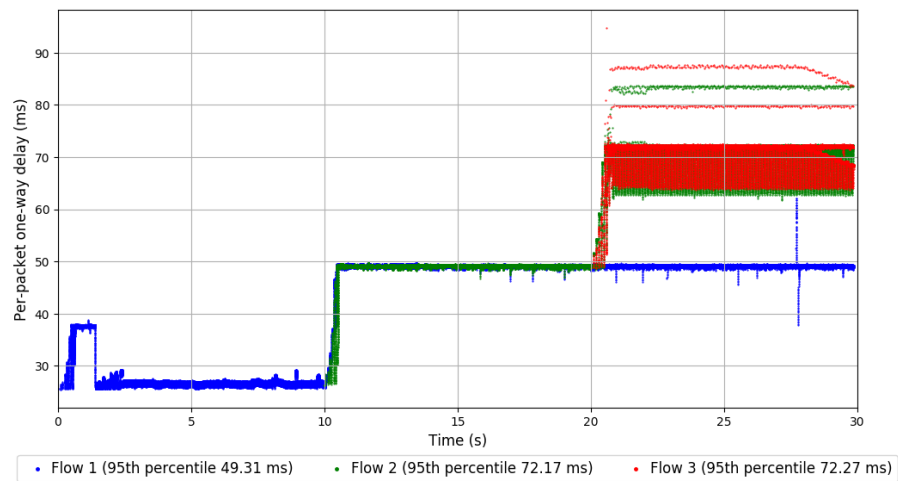
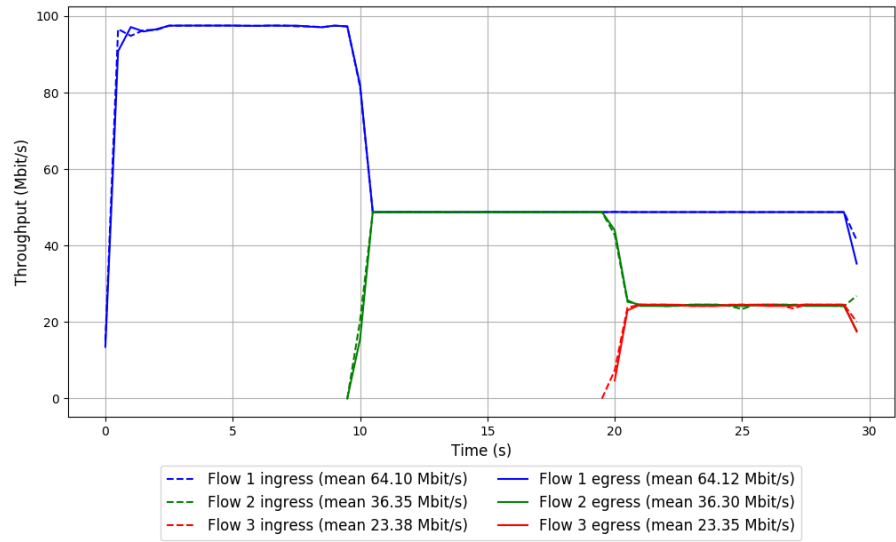


Run 9: Statistics of TCP Vegas

Start at: 2017-09-18 08:45:44
End at: 2017-09-18 08:46:14
Local clock offset: 1.064 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2017-09-18 11:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 49.312 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 72.168 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 72.271 ms
Loss rate: 1.28%

Run 9: Report of TCP Vegas — Data Link

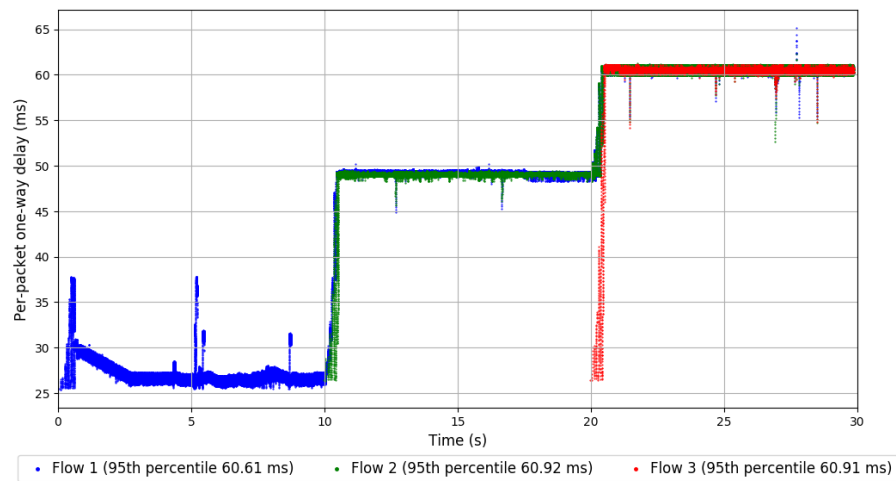
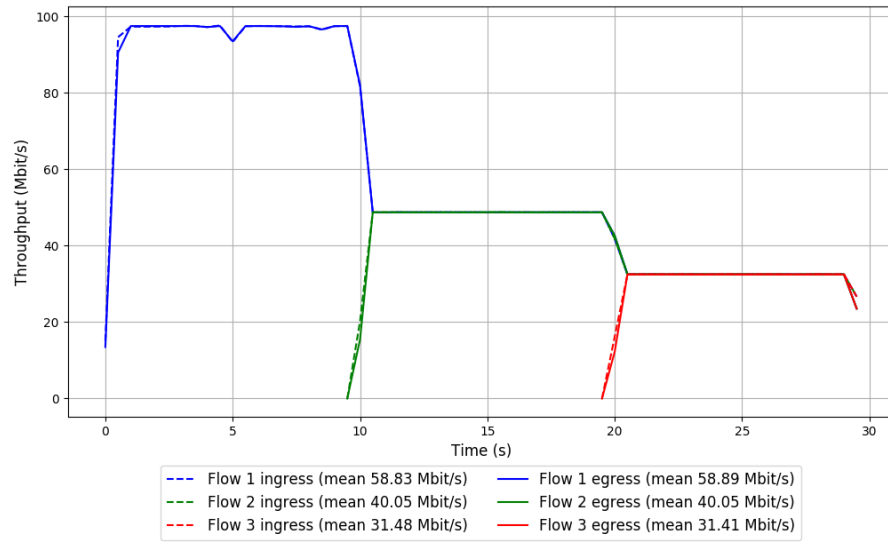


Run 10: Statistics of TCP Vegas

Start at: 2017-09-18 08:59:34
End at: 2017-09-18 09:00:04
Local clock offset: 0.968 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2017-09-18 11:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 60.890 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 60.607 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 60.922 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 60.905 ms
Loss rate: 1.13%

Run 10: Report of TCP Vegas — Data Link

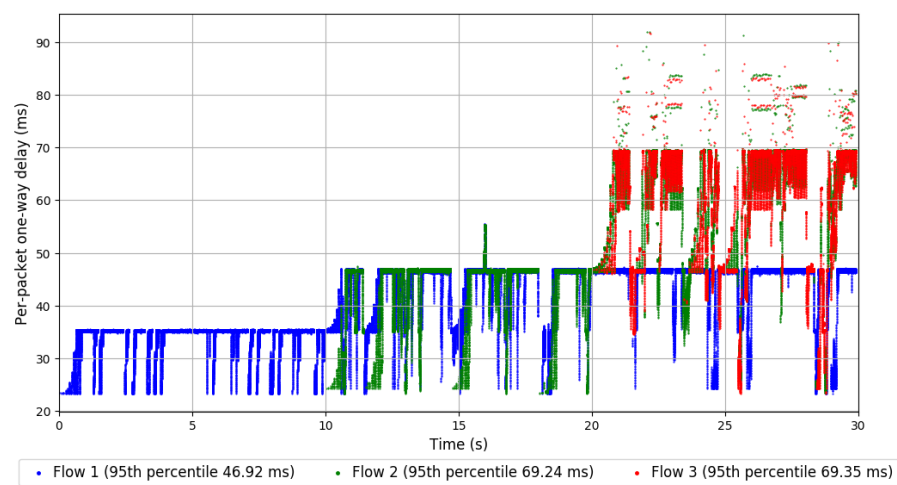
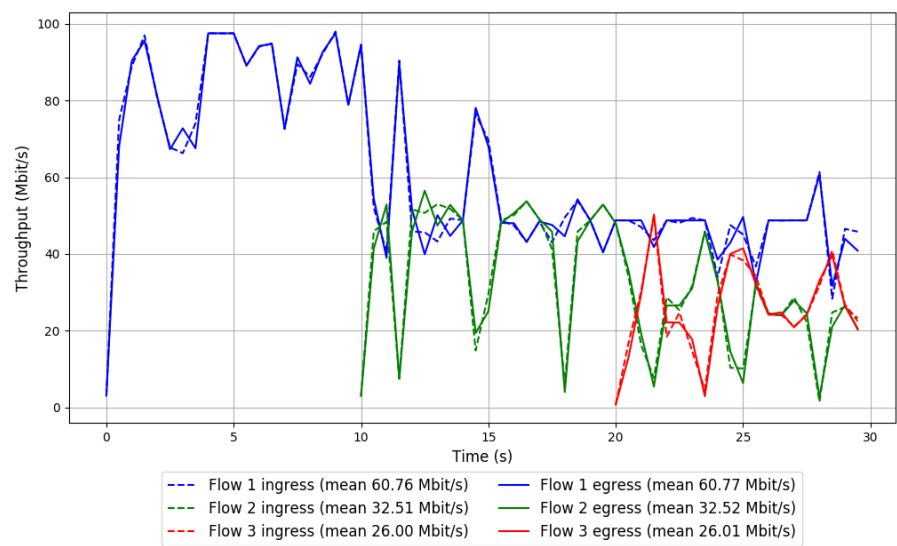


Run 1: Statistics of Verus

Start at: 2017-09-18 06:58:51
End at: 2017-09-18 06:59:21
Local clock offset: 2.007 ms
Remote clock offset: -2.178 ms

Below is generated by plot.py at 2017-09-18 11:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 67.288 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 46.925 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 69.354 ms
Loss rate: 1.06%

Run 1: Report of Verus — Data Link

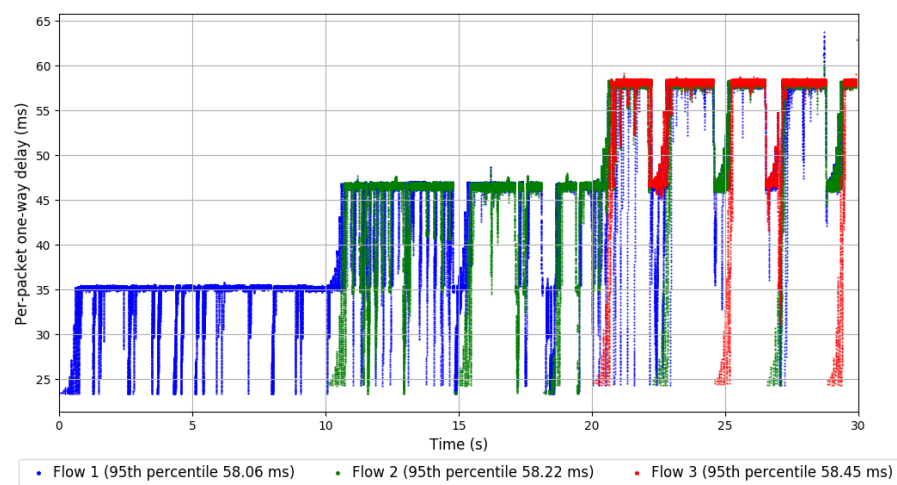
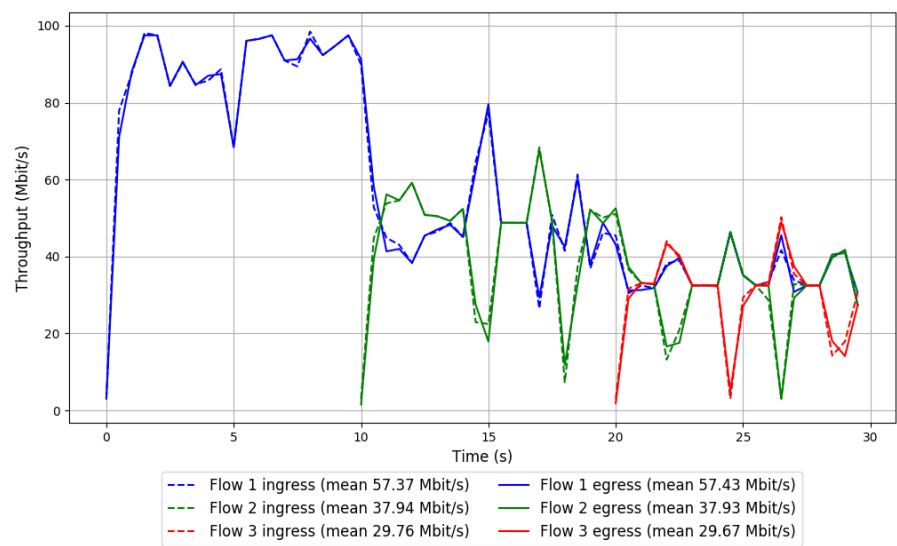


Run 2: Statistics of Verus

Start at: 2017-09-18 07:12:42
End at: 2017-09-18 07:13:12
Local clock offset: 1.848 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2017-09-18 11:44:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 58.262 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 58.061 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 58.221 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 58.454 ms
Loss rate: 1.19%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-18 07:26:35

End at: 2017-09-18 07:27:05

Local clock offset: 1.858 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2017-09-18 11:45:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 67.526 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 45.05 Mbit/s

95th percentile per-packet one-way delay: 67.328 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 42.70 Mbit/s

95th percentile per-packet one-way delay: 68.632 ms

Loss rate: 0.33%

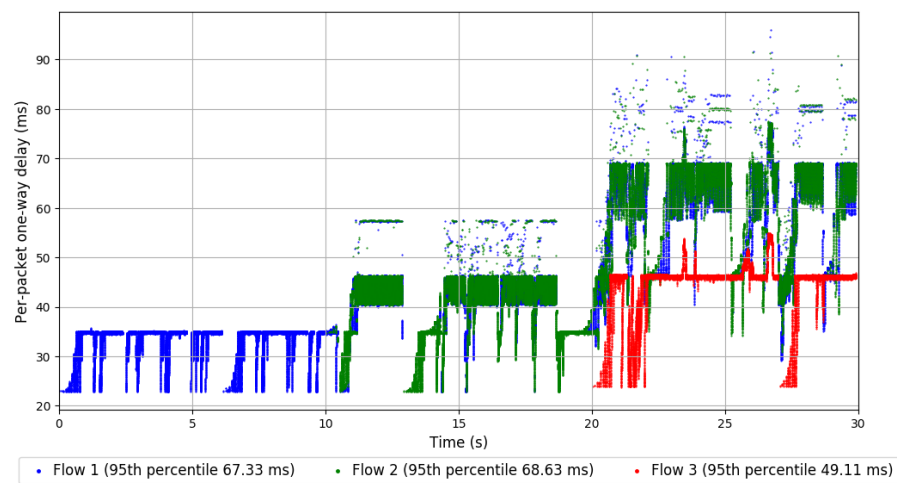
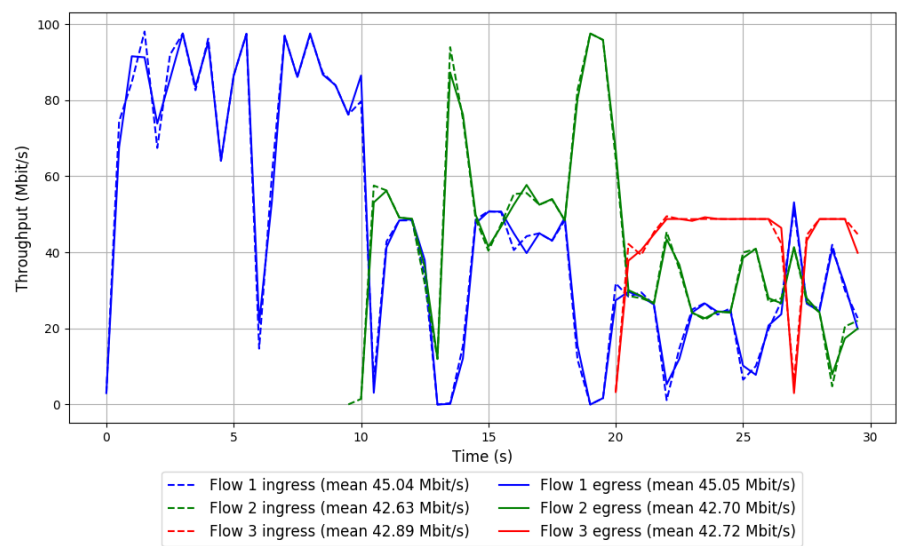
-- Flow 3:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 49.113 ms

Loss rate: 1.14%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-18 07:40:25

End at: 2017-09-18 07:40:55

Local clock offset: 1.652 ms

Remote clock offset: 0.618 ms

Below is generated by plot.py at 2017-09-18 11:45:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 68.452 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 67.919 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 46.716 ms

Loss rate: 0.59%

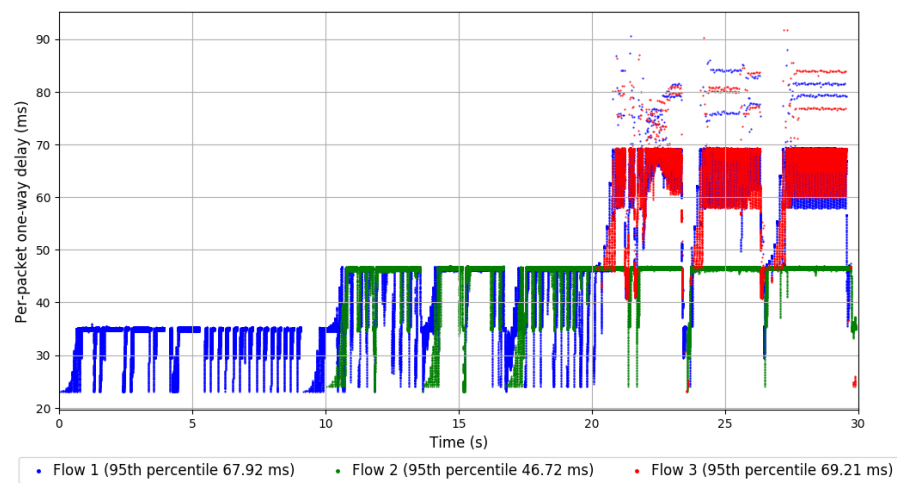
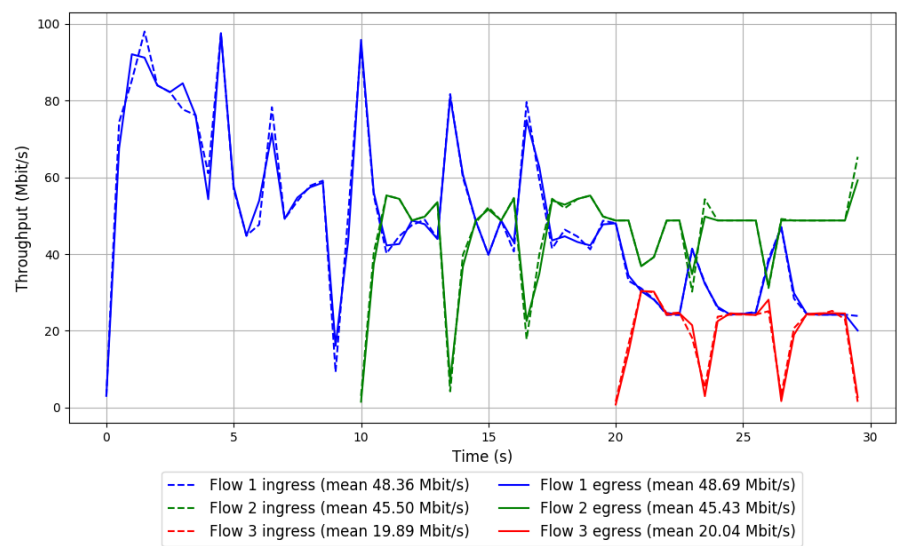
-- Flow 3:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 69.211 ms

Loss rate: 0.19%

Run 4: Report of Verus — Data Link

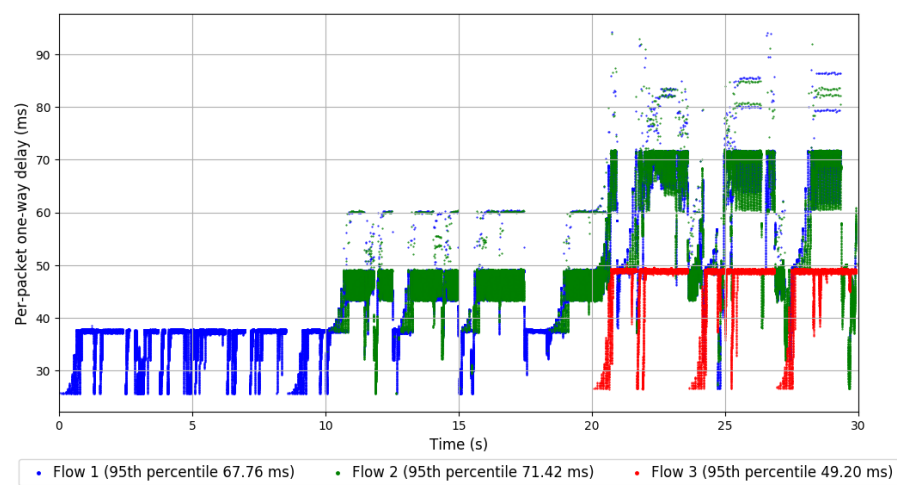
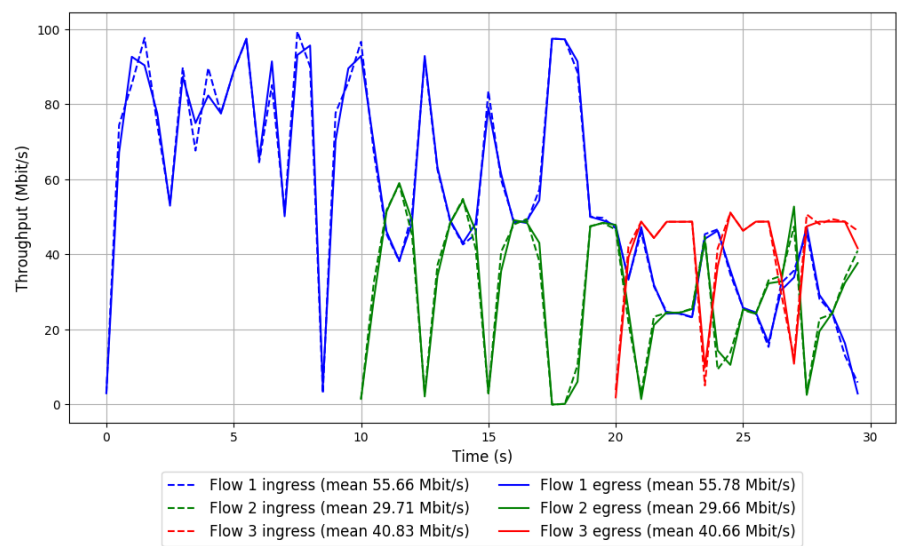


Run 5: Statistics of Verus

Start at: 2017-09-18 07:54:19
End at: 2017-09-18 07:54:49
Local clock offset: 1.508 ms
Remote clock offset: -1.392 ms

Below is generated by plot.py at 2017-09-18 11:45:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 69.080 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 67.760 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 71.423 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 49.199 ms
Loss rate: 1.17%

Run 5: Report of Verus — Data Link

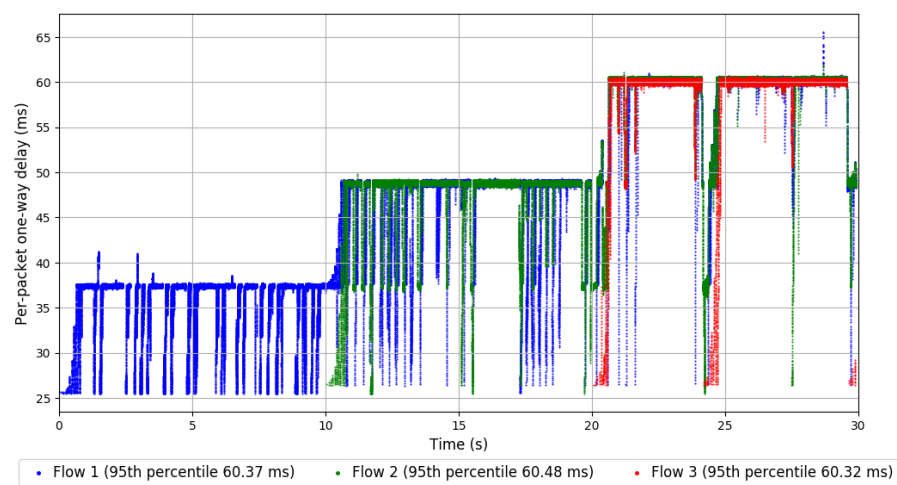
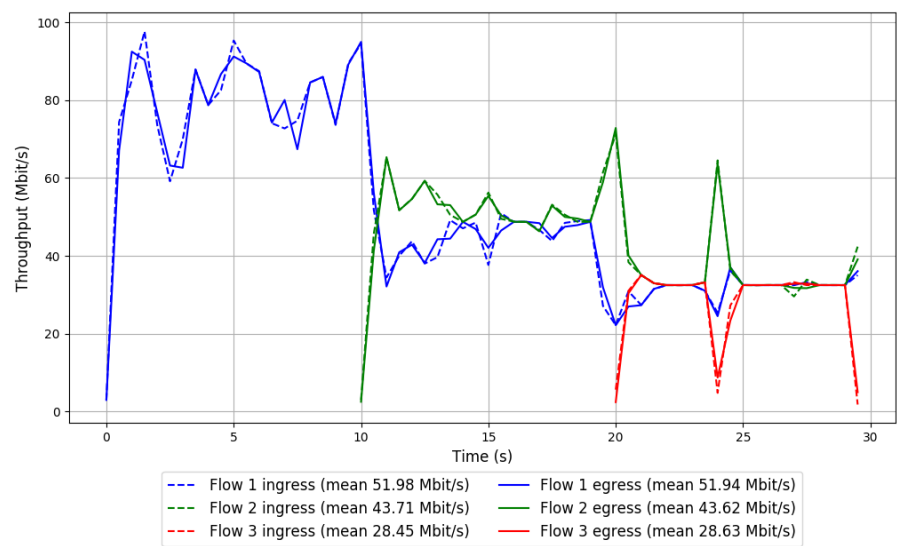


Run 6: Statistics of Verus

Start at: 2017-09-18 08:08:10
End at: 2017-09-18 08:08:40
Local clock offset: 1.282 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2017-09-18 11:45:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 60.371 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 60.485 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 60.324 ms
Loss rate: 0.13%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-18 08:22:10

End at: 2017-09-18 08:22:40

Local clock offset: 1.238 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2017-09-18 11:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 68.345 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 66.626 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 71.119 ms

Loss rate: 0.65%

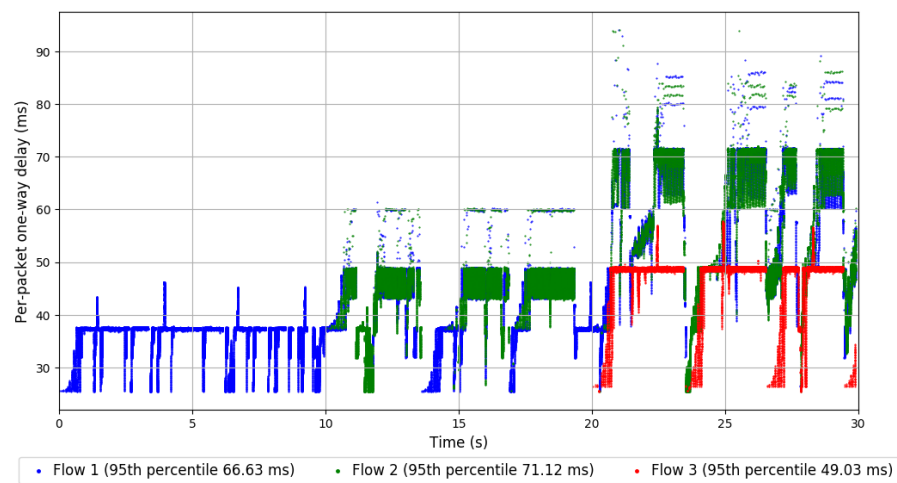
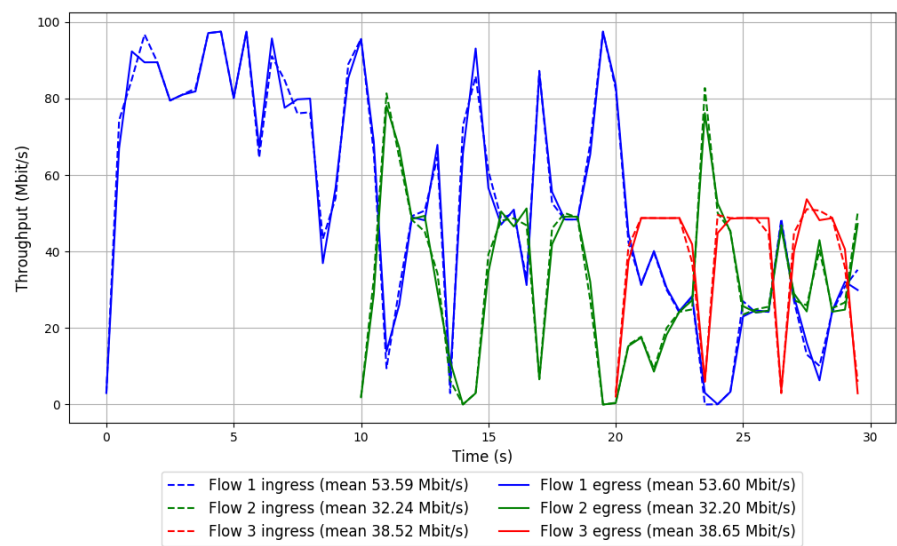
-- Flow 3:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 49.031 ms

Loss rate: 0.42%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-18 08:36:04

End at: 2017-09-18 08:36:34

Local clock offset: 1.126 ms

Remote clock offset: 1.568 ms

Below is generated by plot.py at 2017-09-18 11:45:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 66.584 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 60.88 Mbit/s

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

Loss rate: 0.26%

-- Flow 2:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 69.188 ms

Loss rate: 0.67%

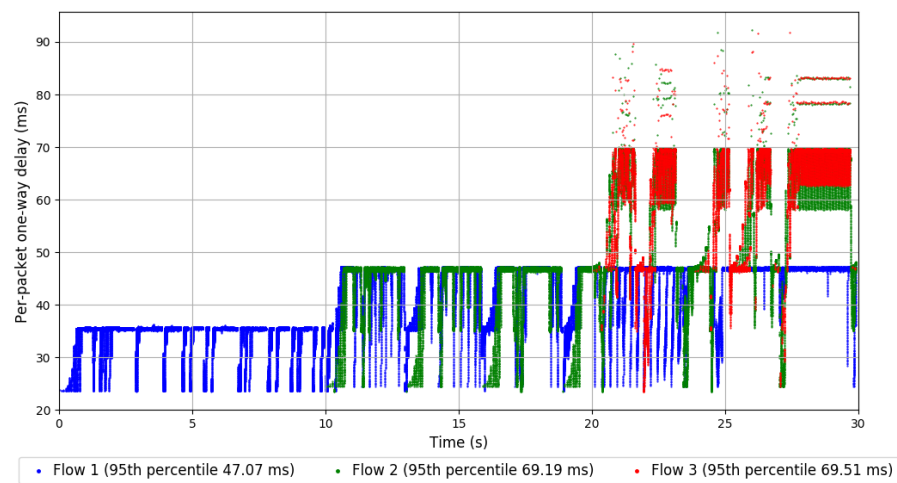
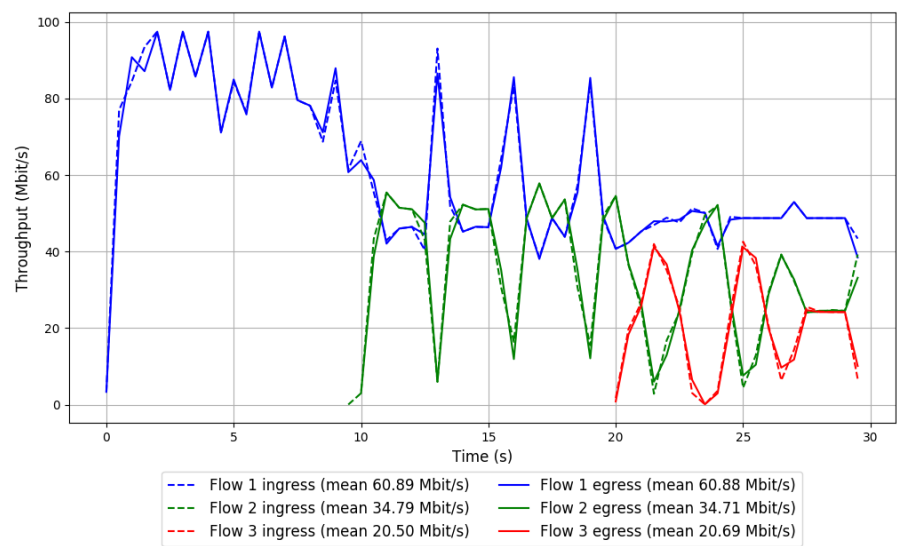
-- Flow 3:

Average throughput: 20.69 Mbit/s

95th percentile per-packet one-way delay: 69.512 ms

Loss rate: 0.05%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-18 08:49:56

End at: 2017-09-18 08:50:26

Local clock offset: 0.947 ms

Remote clock offset: 1.584 ms

Below is generated by plot.py at 2017-09-18 11:45:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 68.343 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 46.990 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 33.07 Mbit/s

95th percentile per-packet one-way delay: 69.301 ms

Loss rate: 0.45%

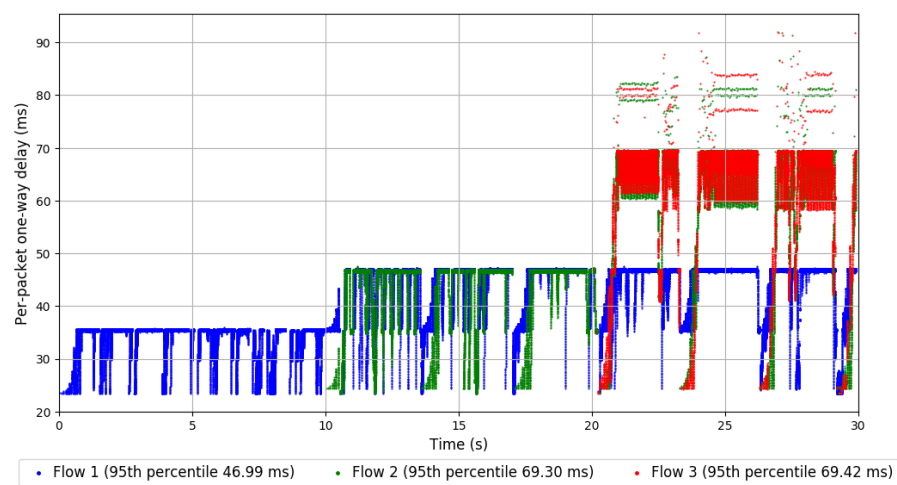
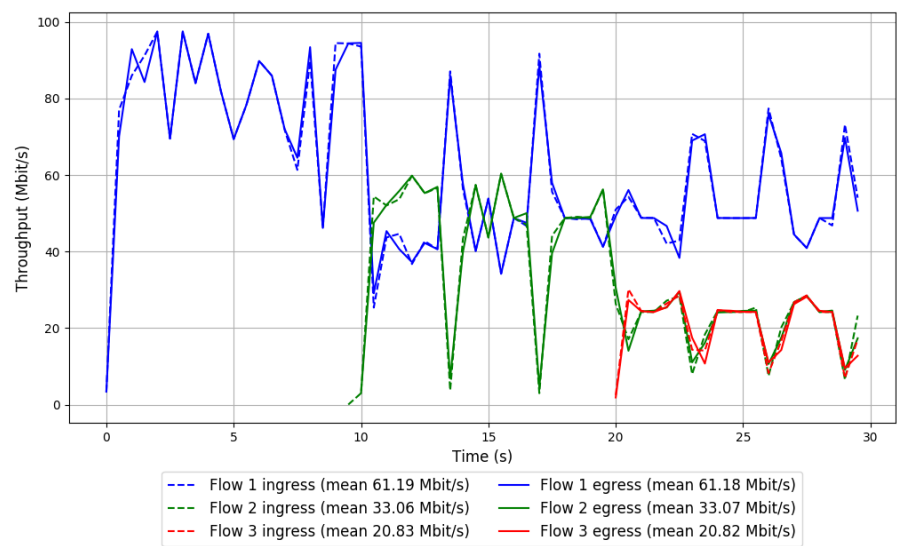
-- Flow 3:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 69.420 ms

Loss rate: 1.23%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-09-18 09:03:48
End at: 2017-09-18 09:04:18
Local clock offset: 0.832 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2017-09-18 11:45:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 58.936 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 57.135 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 58.620 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 59.828 ms
Loss rate: 0.29%

Run 10: Report of Verus — Data Link

