

Pantheon Report

Generated at 2018-07-04 14:44:01 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

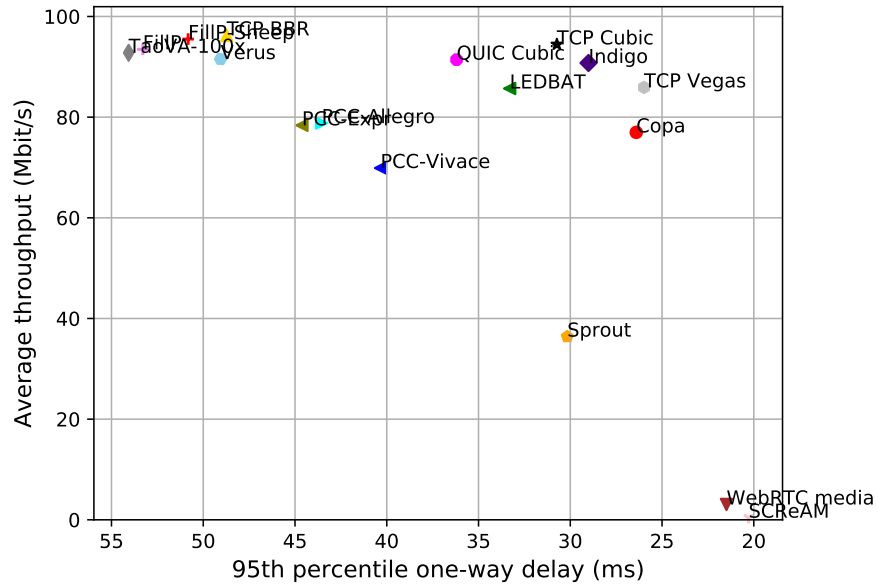
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

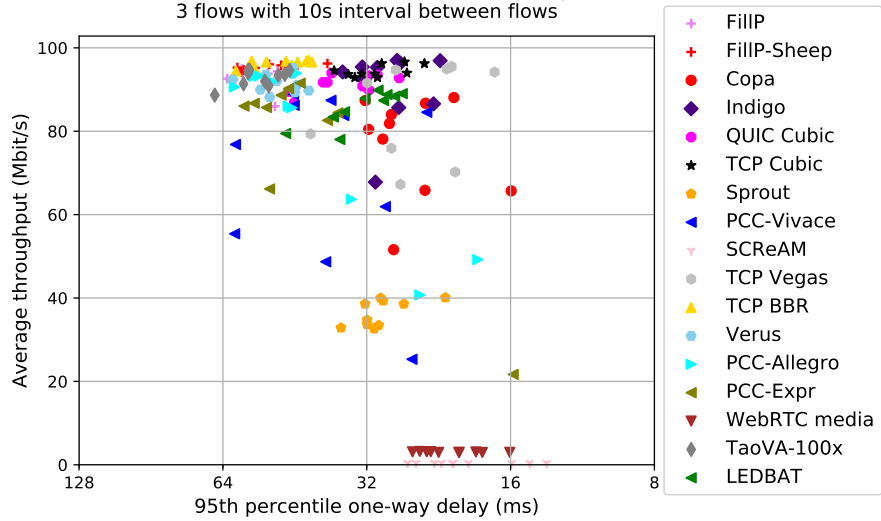
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf90c077e64d
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from India to AWS India 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.74	39.83	33.07	45.89	50.15	56.60	2.85	4.63	4.39
Copa	10	46.06	32.70	27.53	26.29	26.73	27.17	0.07	0.12	0.30
TCP Cubic	10	58.06	38.76	31.91	30.37	31.44	37.24	0.08	0.16	0.38
FillP	10	58.78	37.88	28.67	47.65	52.69	53.13	2.25	5.04	4.19
FillP-Sheep	10	59.24	39.11	30.97	46.57	49.77	51.14	2.23	4.31	4.62
Indigo	10	55.48	38.25	30.04	27.62	29.62	32.37	0.08	0.17	0.46
LEDBAT	10	50.81	36.45	32.02	32.69	34.83	31.89	0.09	0.16	0.34
PCC-Allegro	10	46.15	37.04	24.43	39.05	40.97	32.11	3.36	2.24	0.70
PCC-Expr	10	50.64	27.34	29.00	44.20	42.22	37.69	0.51	0.84	0.62
QUIC Cubic	10	55.10	37.53	34.43	34.43	38.87	40.28	0.12	0.25	0.51
SCReAM	10	0.21	0.21	0.22	20.28	20.28	20.27	0.12	0.19	0.28
Sprout	10	18.43	18.20	17.80	29.47	30.34	31.59	0.13	0.23	0.34
TaoVA-100x	10	55.35	41.66	29.24	51.92	47.29	53.81	0.33	0.84	1.69
TCP Vegas	10	49.03	39.97	30.94	25.80	25.89	27.03	0.07	0.14	0.31
Verus	10	53.22	40.72	33.95	47.39	50.55	51.99	0.22	0.37	0.70
PCC-Vivace	10	47.62	24.10	18.97	37.36	37.15	35.41	0.91	0.30	0.79
WebRTC media	10	1.64	0.99	0.43	21.44	21.47	21.77	0.04	0.26	0.29

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 10:51:40

End at: 2018-07-04 10:52:10

Local clock offset: 0.298 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-04 14:22:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 42.339 ms

Loss rate: 3.90%

-- Flow 1:

Average throughput: 56.37 Mbit/s

95th percentile per-packet one-way delay: 41.627 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 47.649 ms

Loss rate: 5.92%

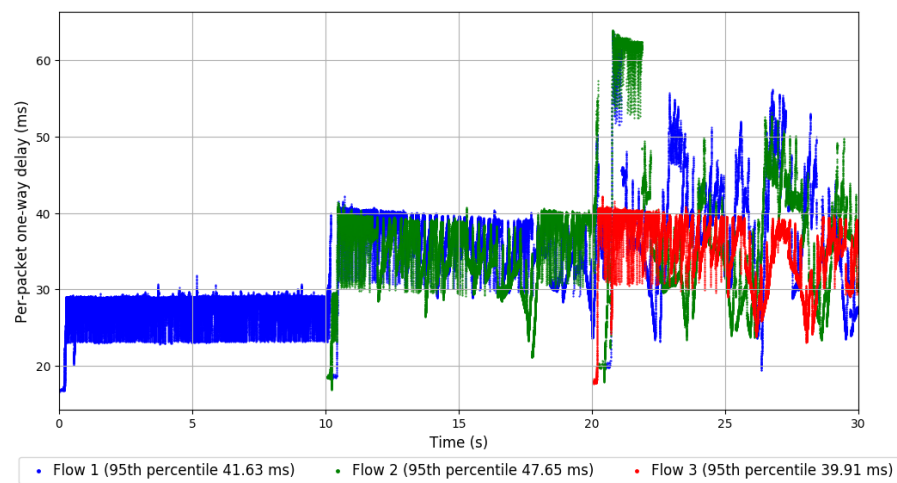
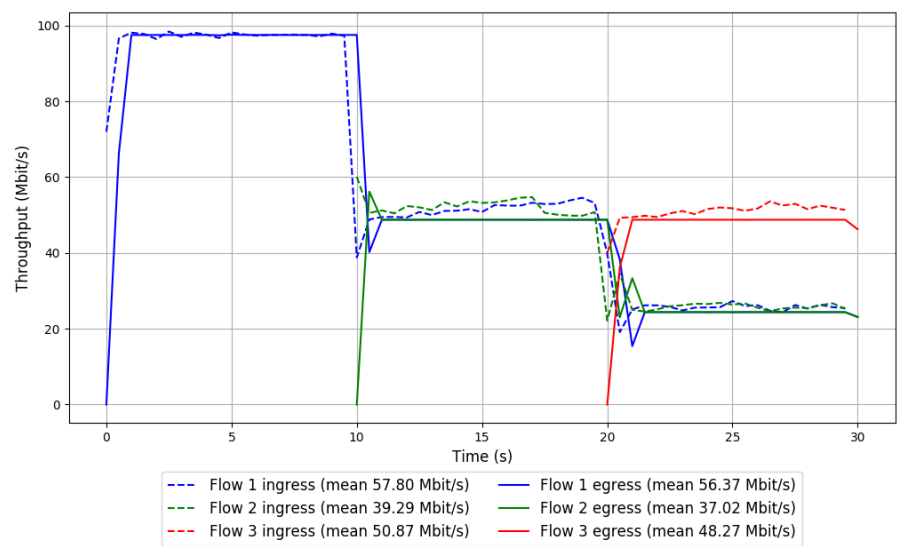
-- Flow 3:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 39.910 ms

Loss rate: 5.35%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-04 11:11:56

End at: 2018-07-04 11:12:26

Local clock offset: -1.291 ms

Remote clock offset: 2.806 ms

Below is generated by plot.py at 2018-07-04 14:22:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 42.790 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 42.855 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 36.62 Mbit/s

95th percentile per-packet one-way delay: 45.721 ms

Loss rate: 4.22%

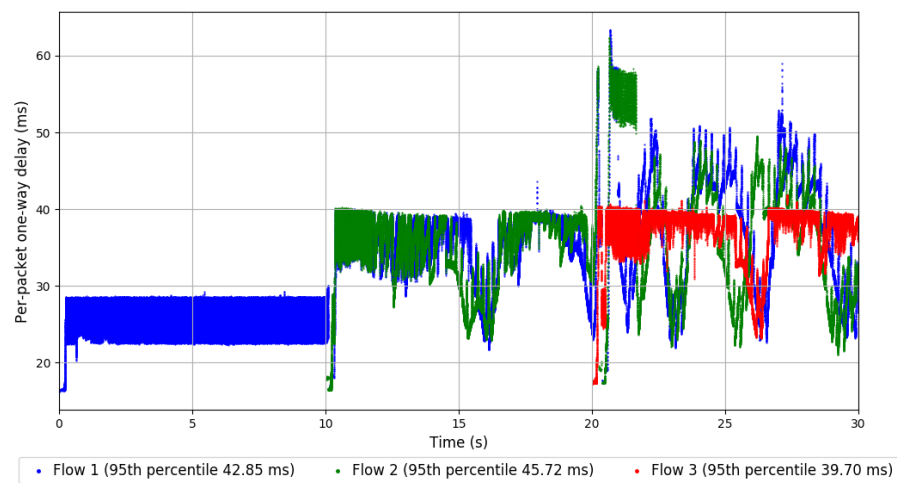
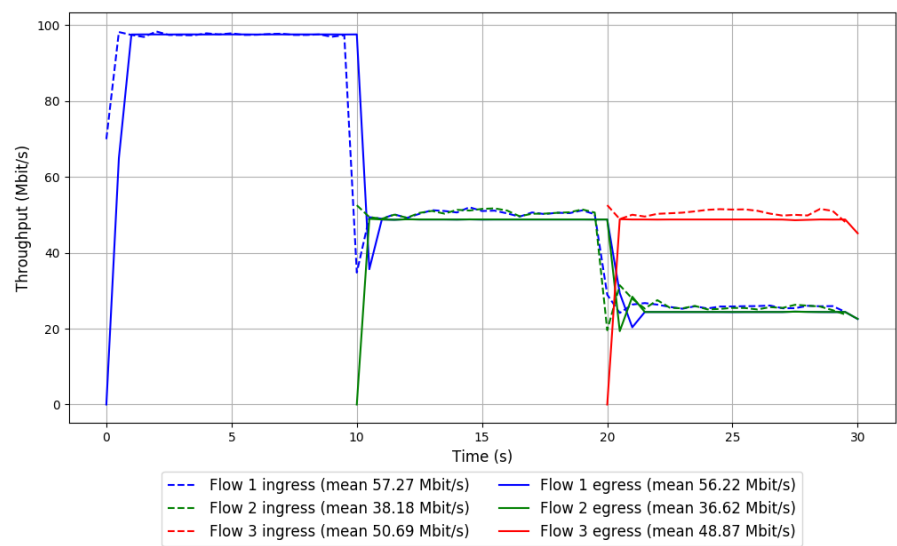
-- Flow 3:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 39.703 ms

Loss rate: 3.85%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 11:32:25

End at: 2018-07-04 11:32:55

Local clock offset: 1.441 ms

Remote clock offset: 3.477 ms

Below is generated by plot.py at 2018-07-04 14:22:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: 55.741 ms

Loss rate: 3.29%

-- Flow 1:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 46.630 ms

Loss rate: 2.37%

-- Flow 2:

Average throughput: 37.03 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 5.06%

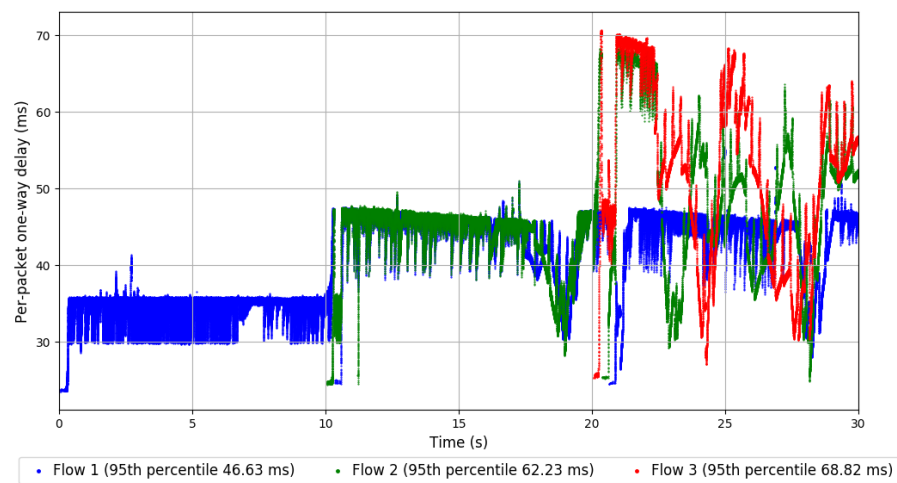
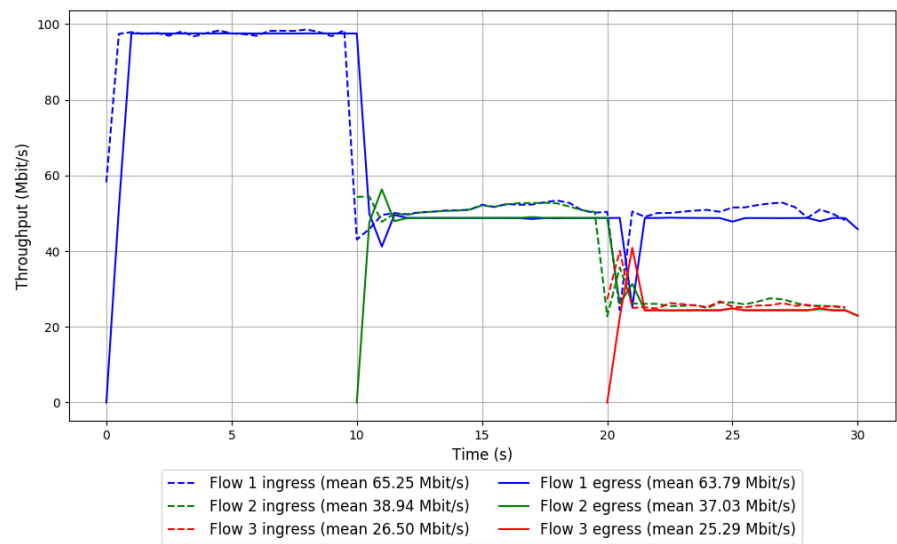
-- Flow 3:

Average throughput: 25.29 Mbit/s

95th percentile per-packet one-way delay: 68.822 ms

Loss rate: 4.88%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-04 11:53:25

End at: 2018-07-04 11:53:55

Local clock offset: -0.856 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-04 14:22:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.62 Mbit/s

95th percentile per-packet one-way delay: 51.919 ms

Loss rate: 3.95%

-- Flow 1:

Average throughput: 58.68 Mbit/s

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

Loss rate: 2.71%

-- Flow 2:

Average throughput: 42.50 Mbit/s

95th percentile per-packet one-way delay: 52.241 ms

Loss rate: 5.76%

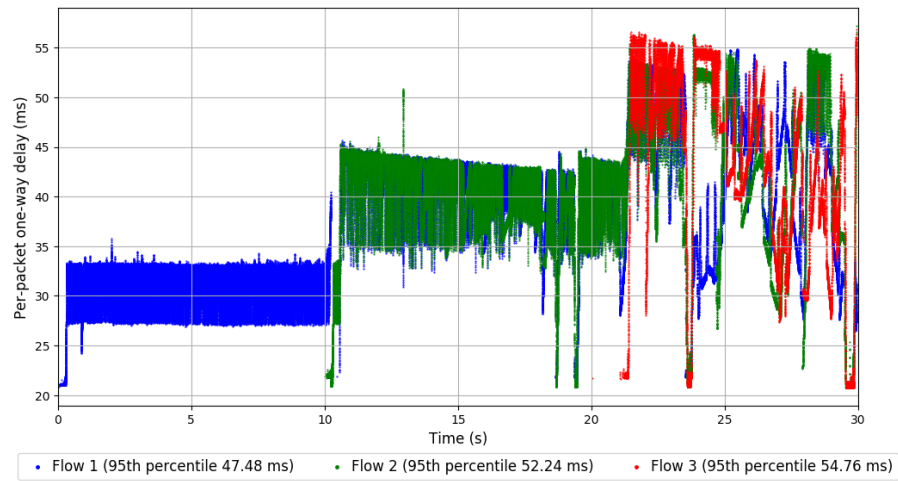
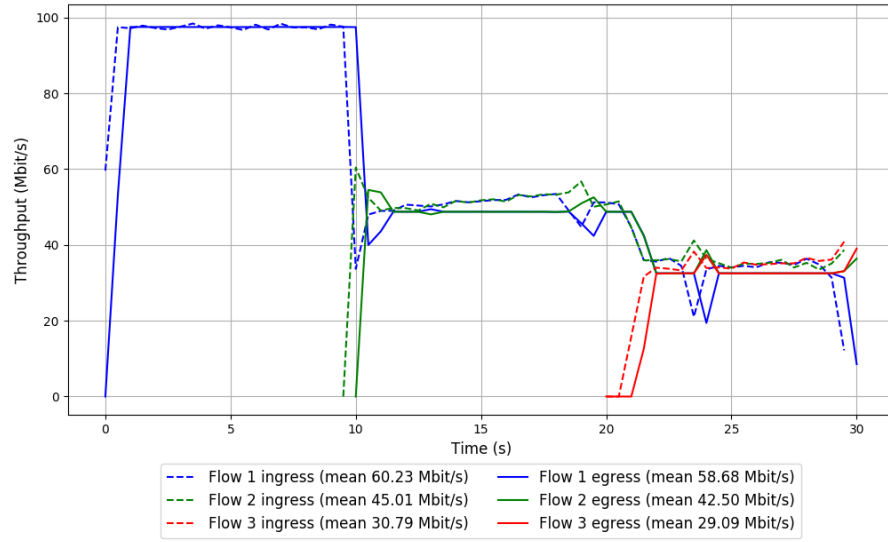
-- Flow 3:

Average throughput: 29.09 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 5.91%

Run 4: Report of TCP BBR — Data Link

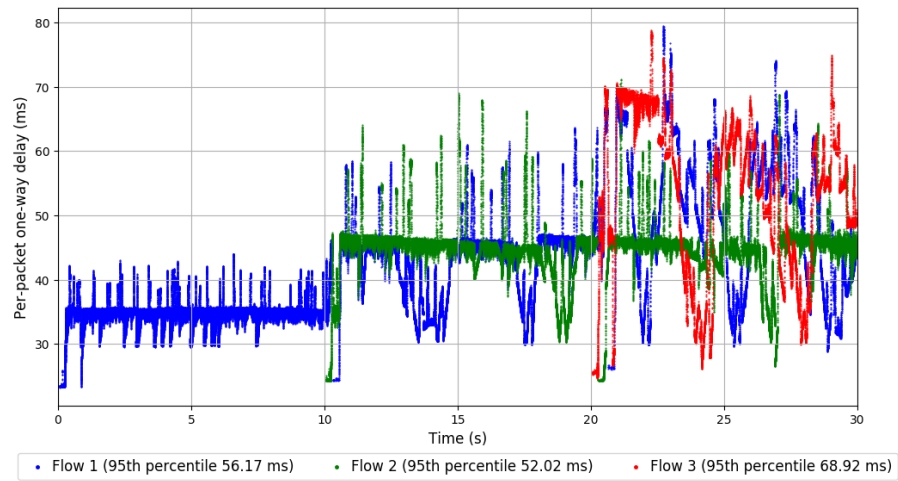
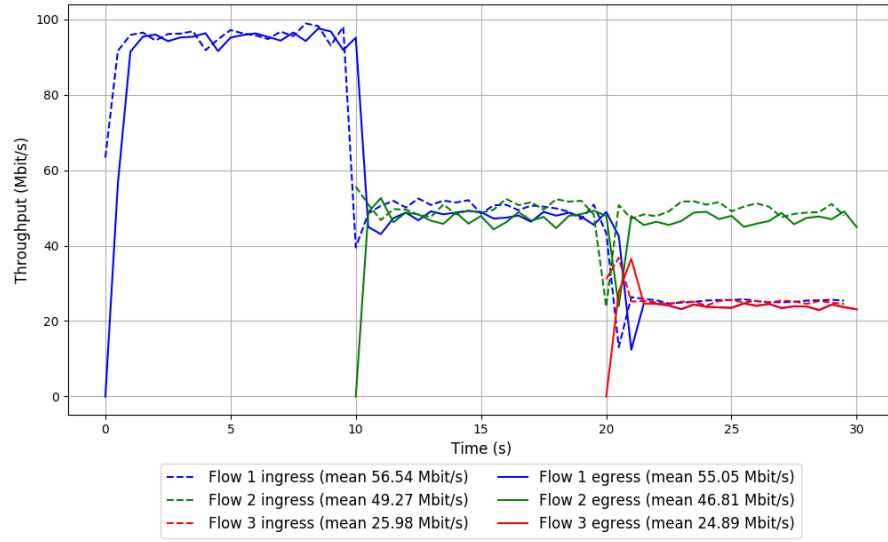


Run 5: Statistics of TCP BBR

Start at: 2018-07-04 12:14:08
End at: 2018-07-04 12:14:38
Local clock offset: 0.648 ms
Remote clock offset: -3.477 ms

Below is generated by plot.py at 2018-07-04 14:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 60.088 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 56.169 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 52.024 ms
Loss rate: 5.20%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 68.923 ms
Loss rate: 4.55%

Run 5: Report of TCP BBR — Data Link

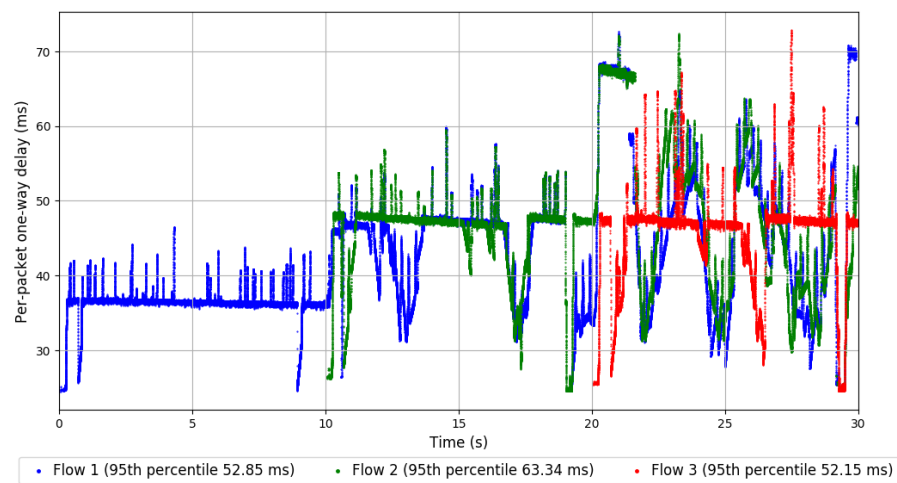
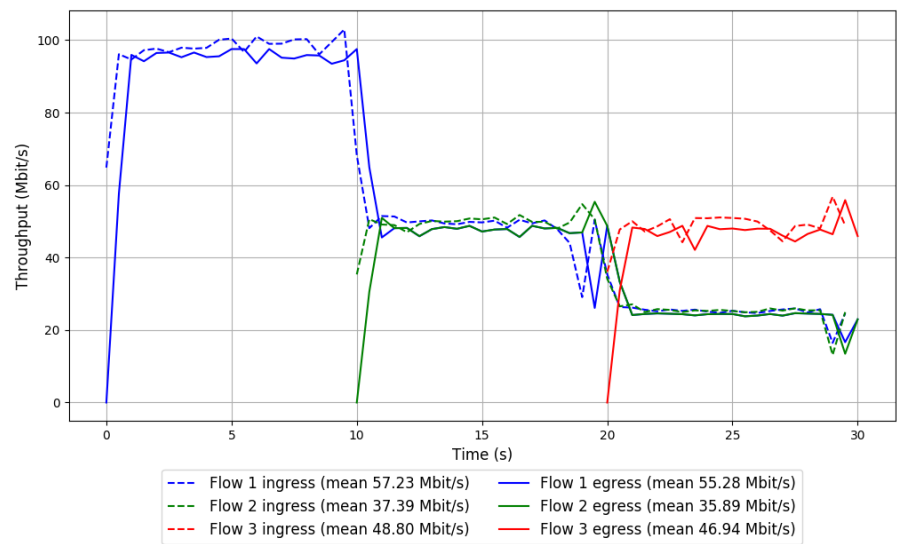


Run 6: Statistics of TCP BBR

Start at: 2018-07-04 12:34:50
End at: 2018-07-04 12:35:20
Local clock offset: -0.833 ms
Remote clock offset: -8.522 ms

Below is generated by plot.py at 2018-07-04 14:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 54.816 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 52.850 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 63.335 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 4.15%

Run 6: Report of TCP BBR — Data Link

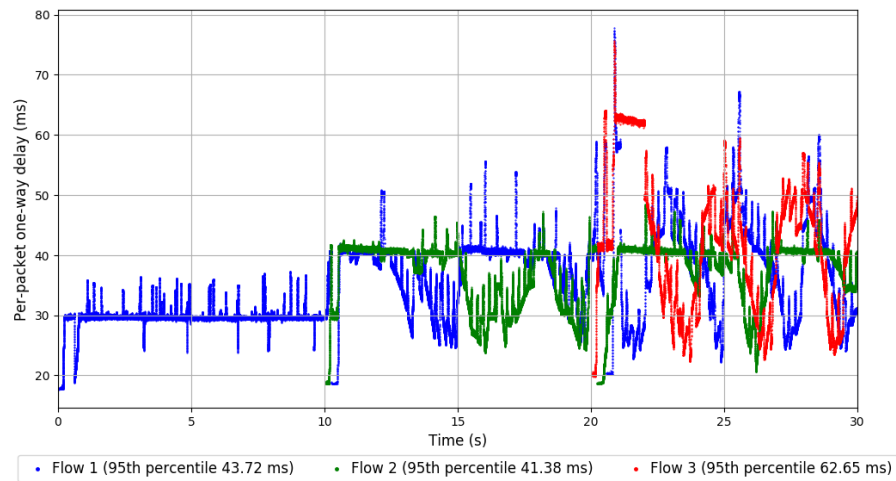
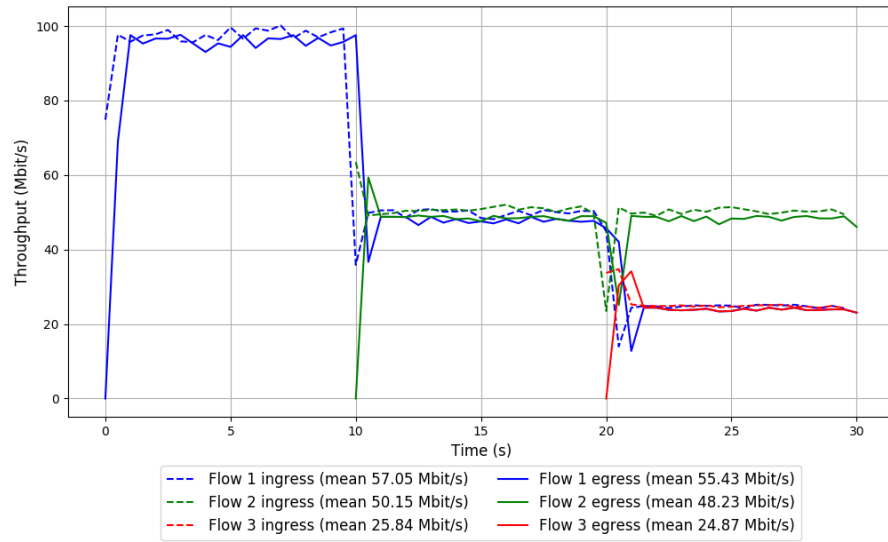


Run 7: Statistics of TCP BBR

Start at: 2018-07-04 12:55:47
End at: 2018-07-04 12:56:17
Local clock offset: 1.59 ms
Remote clock offset: -7.927 ms

Below is generated by plot.py at 2018-07-04 14:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 45.916 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 43.723 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 41.378 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 62.651 ms
Loss rate: 4.01%

Run 7: Report of TCP BBR — Data Link

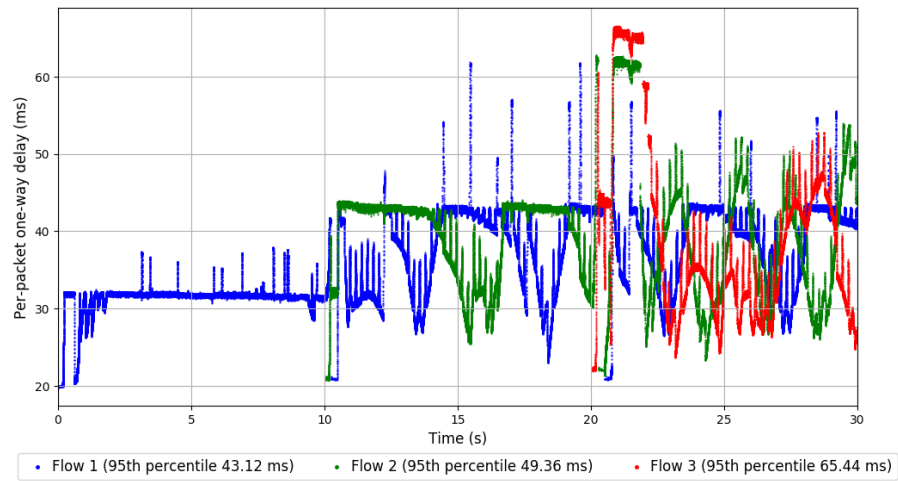
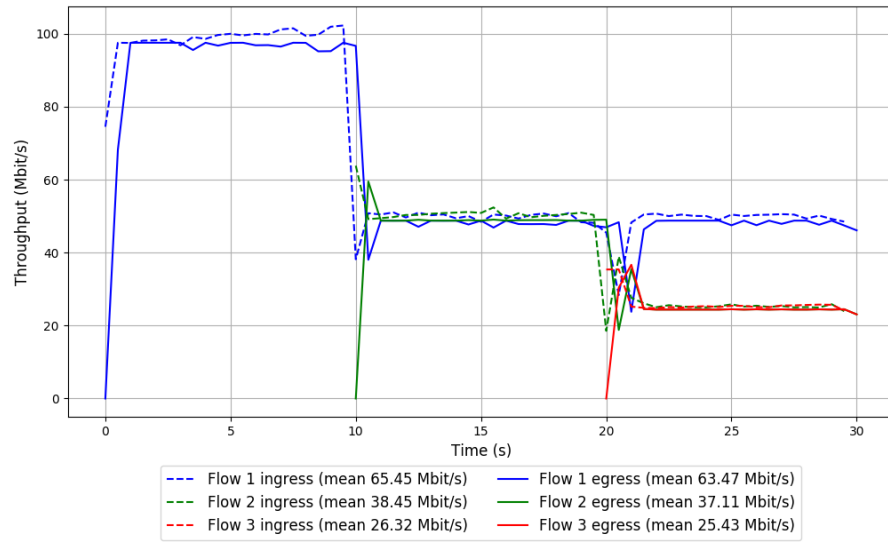


Run 8: Statistics of TCP BBR

Start at: 2018-07-04 13:16:07
End at: 2018-07-04 13:16:37
Local clock offset: 0.684 ms
Remote clock offset: -9.535 ms

Below is generated by plot.py at 2018-07-04 14:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 44.653 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 43.115 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 49.363 ms
Loss rate: 3.63%
-- Flow 3:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 65.444 ms
Loss rate: 3.67%

Run 8: Report of TCP BBR — Data Link

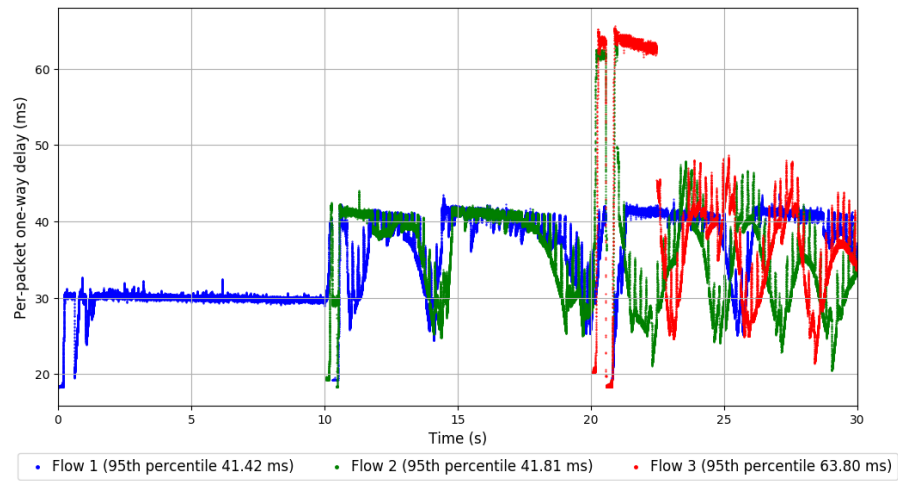
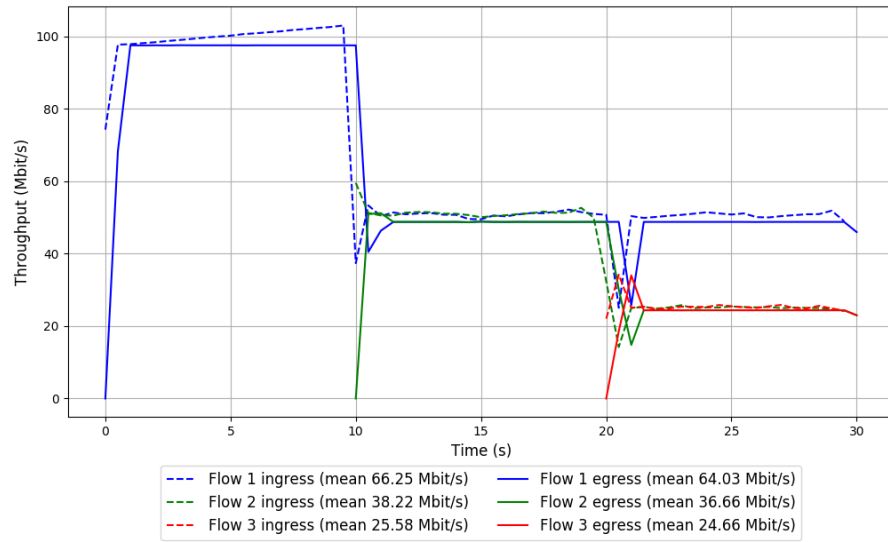


Run 9: Statistics of TCP BBR

Start at: 2018-07-04 13:36:28
End at: 2018-07-04 13:36:58
Local clock offset: -0.693 ms
Remote clock offset: -8.491 ms

Below is generated by plot.py at 2018-07-04 14:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 41.697 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 41.416 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 41.815 ms
Loss rate: 4.23%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 63.804 ms
Loss rate: 3.85%

Run 9: Report of TCP BBR — Data Link

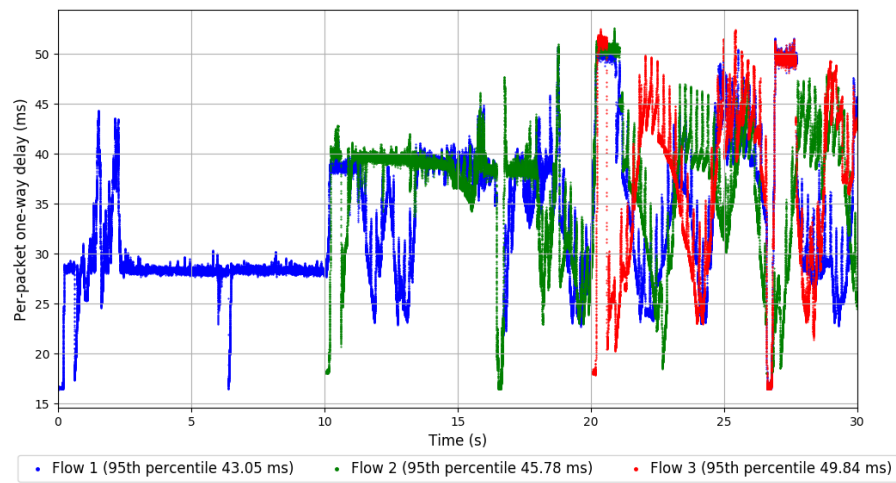
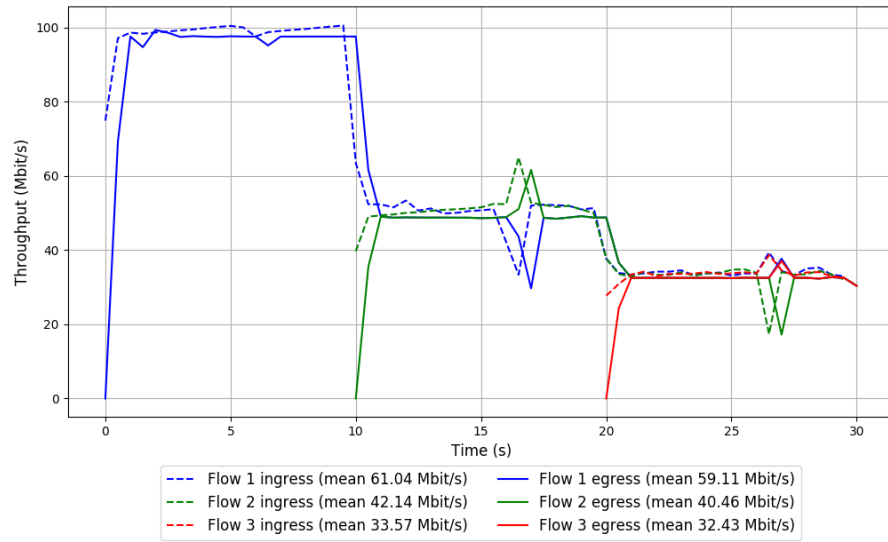


Run 10: Statistics of TCP BBR

Start at: 2018-07-04 13:57:17
End at: 2018-07-04 13:57:47
Local clock offset: -0.382 ms
Remote clock offset: -5.663 ms

Below is generated by plot.py at 2018-07-04 14:23:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 47.233 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 43.052 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 45.785 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 49.835 ms
Loss rate: 3.70%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-04 11:07:05

End at: 2018-07-04 11:07:35

Local clock offset: -1.089 ms

Remote clock offset: 6.12 ms

Below is generated by plot.py at 2018-07-04 14:23:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 15.953 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 15.539 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 32.42 Mbit/s

95th percentile per-packet one-way delay: 16.207 ms

Loss rate: 0.06%

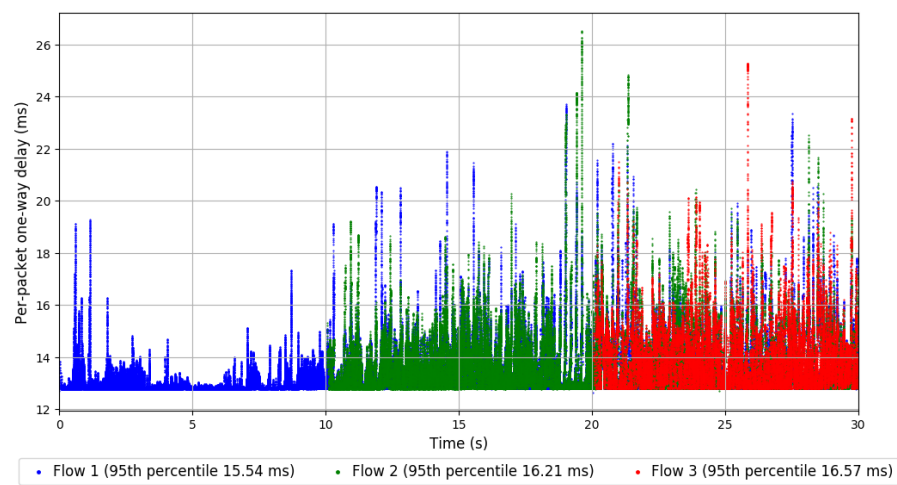
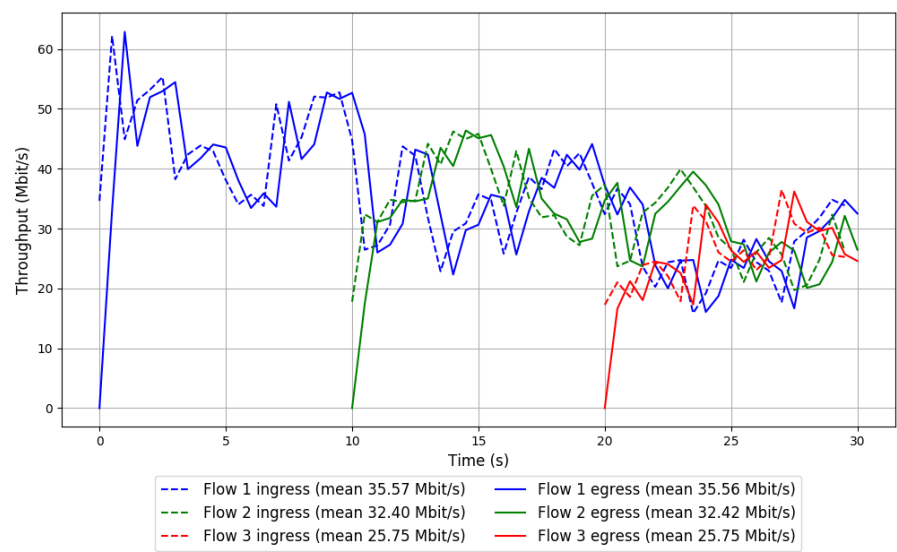
-- Flow 3:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 16.570 ms

Loss rate: 0.25%

Run 1: Report of Copa — Data Link

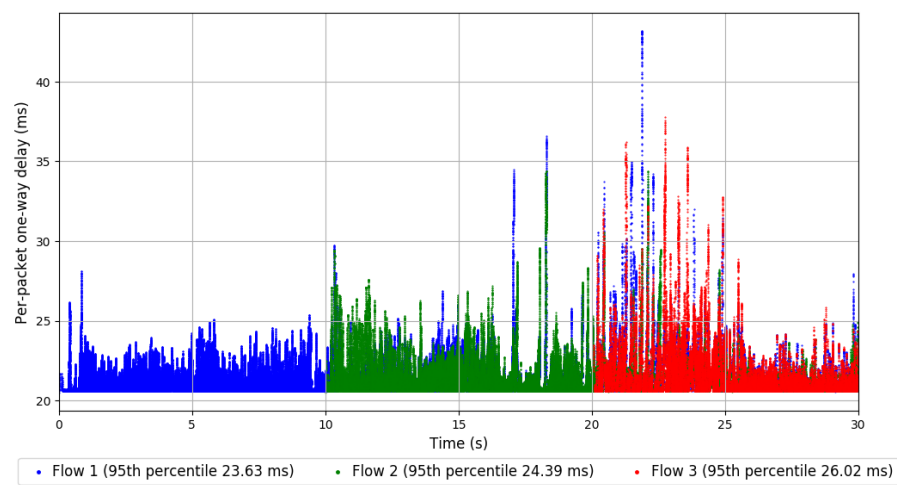
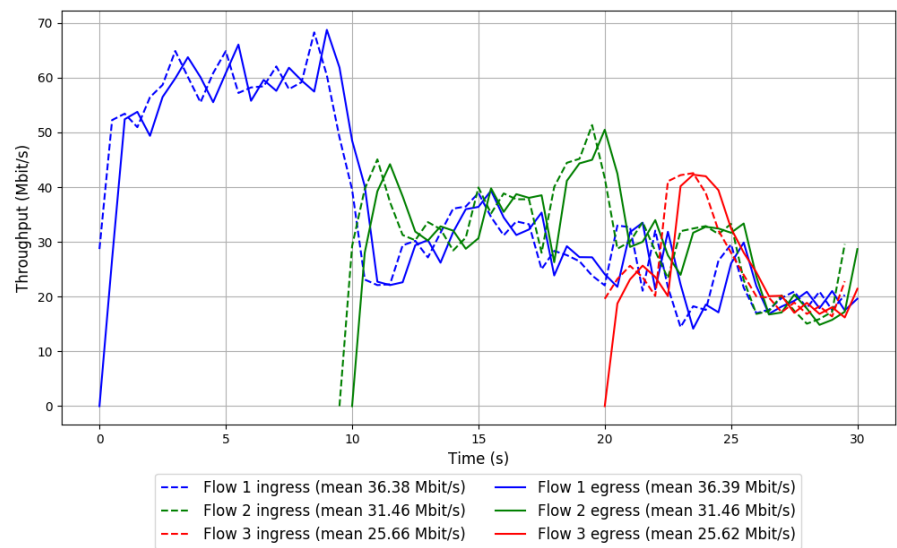


Run 2: Statistics of Copa

Start at: 2018-07-04 11:27:29
End at: 2018-07-04 11:27:59
Local clock offset: 0.984 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-04 14:23:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 24.169 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 23.633 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 24.394 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 26.022 ms
Loss rate: 0.47%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-04 11:48:21

End at: 2018-07-04 11:48:51

Local clock offset: 3.537 ms

Remote clock offset: 3.56 ms

Below is generated by plot.py at 2018-07-04 14:23:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 28.112 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 28.169 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 28.705 ms

Loss rate: 0.17%

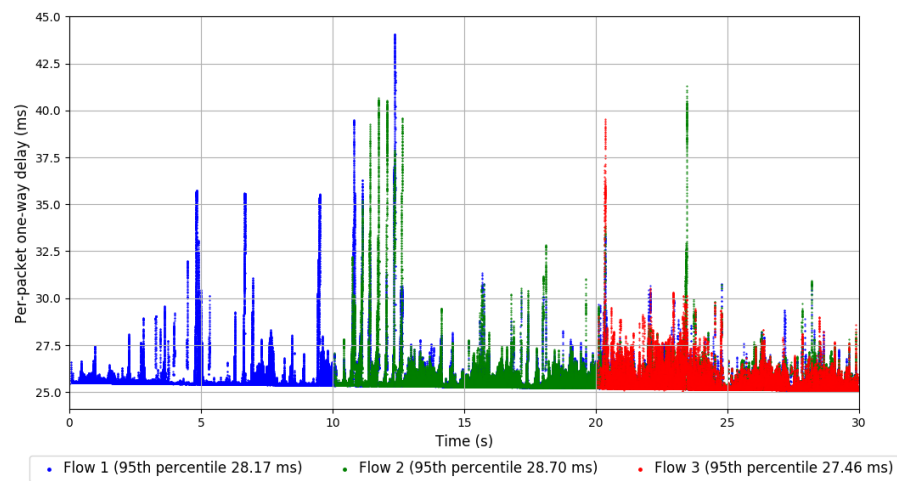
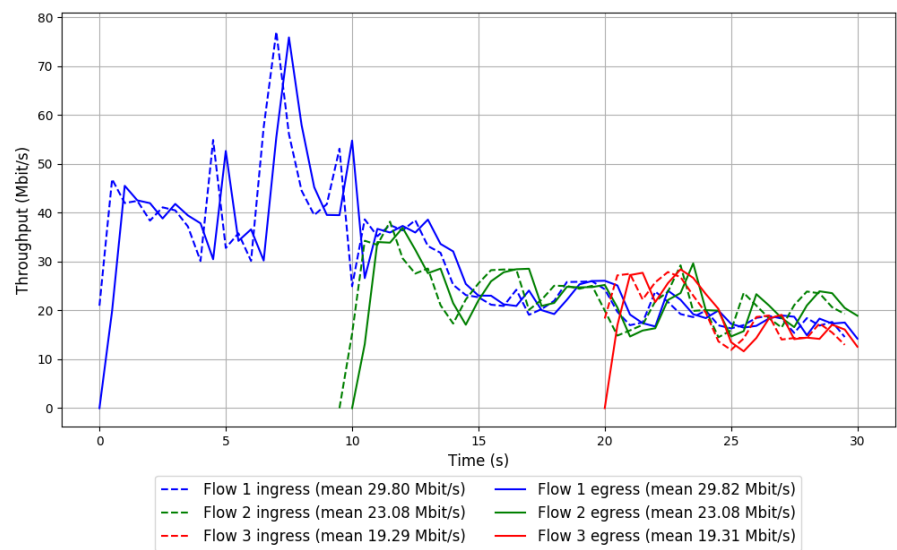
-- Flow 3:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 27.462 ms

Loss rate: 0.24%

Run 3: Report of Copa — Data Link

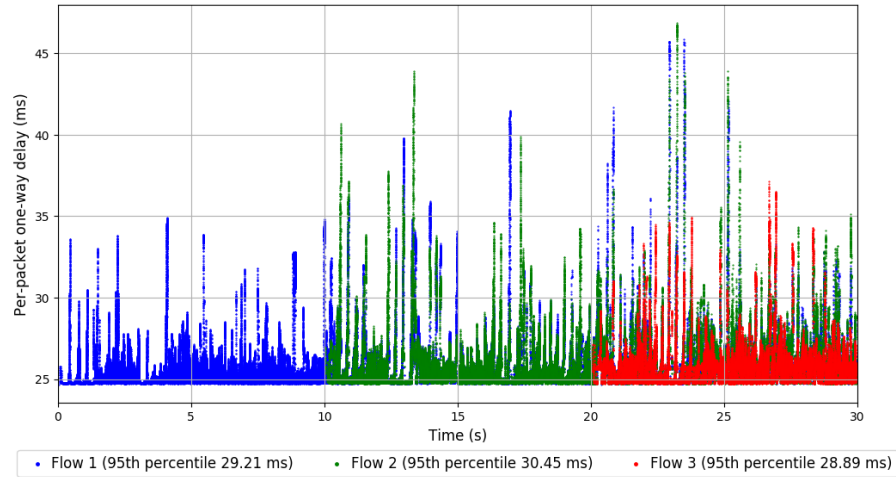
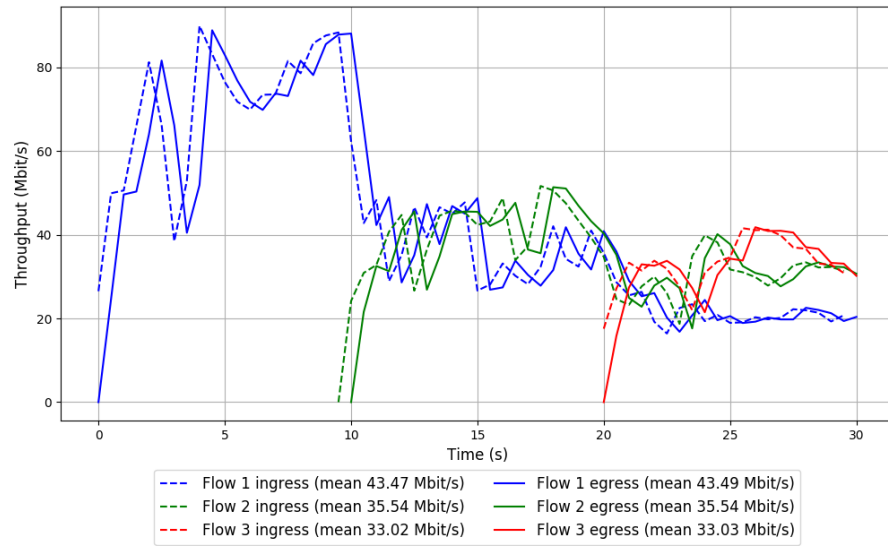


Run 4: Statistics of Copa

Start at: 2018-07-04 12:09:09
End at: 2018-07-04 12:09:39
Local clock offset: 2.508 ms
Remote clock offset: -2.971 ms

Below is generated by plot.py at 2018-07-04 14:23:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: 29.621 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 29.209 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 30.452 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 28.895 ms
Loss rate: 0.32%

Run 4: Report of Copa — Data Link

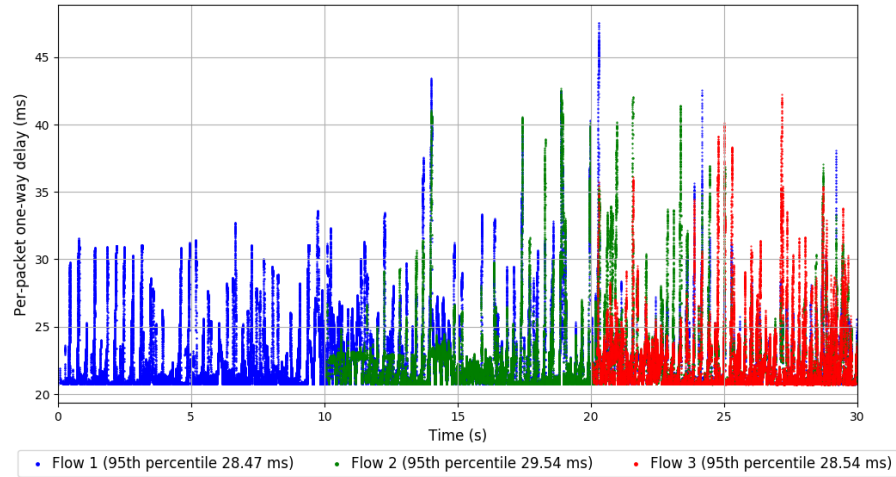
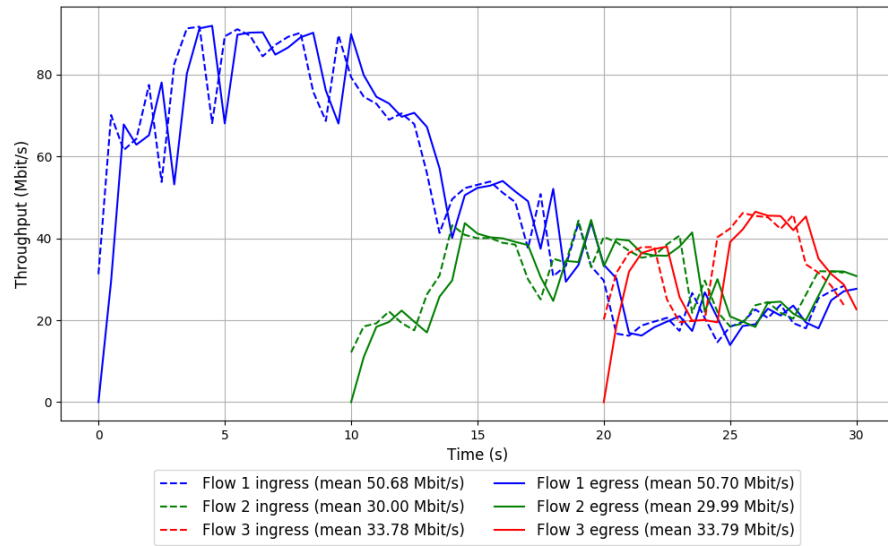


Run 5: Statistics of Copa

Start at: 2018-07-04 12:29:55
End at: 2018-07-04 12:30:25
Local clock offset: -2.52 ms
Remote clock offset: -5.597 ms

Below is generated by plot.py at 2018-07-04 14:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 28.681 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 28.470 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 29.535 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 28.539 ms
Loss rate: 0.32%

Run 5: Report of Copa — Data Link

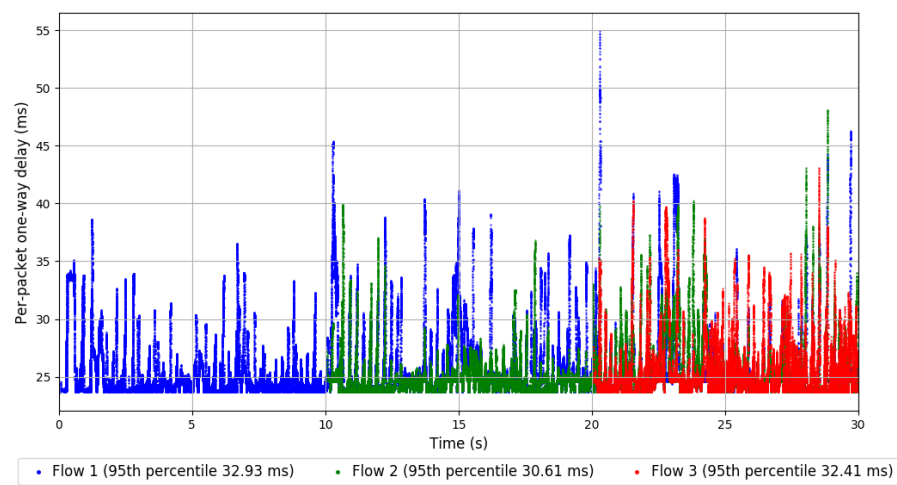
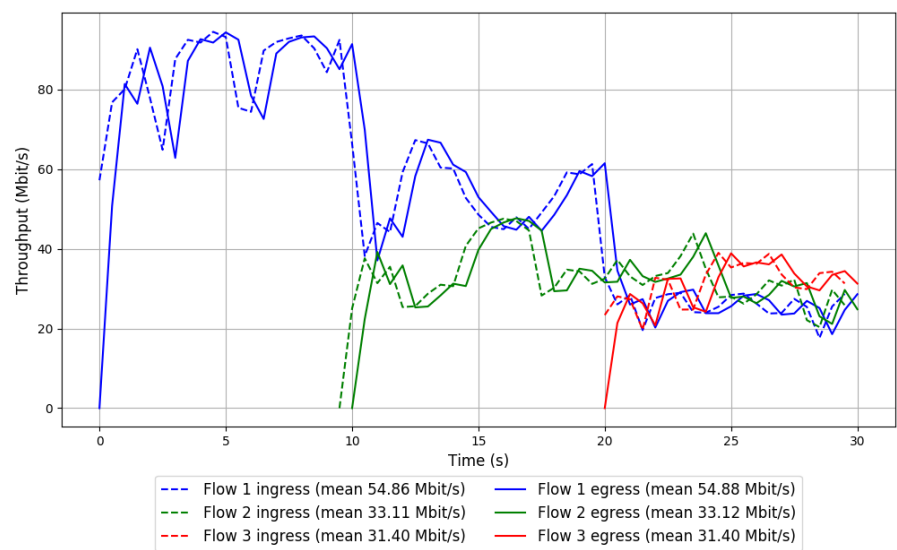


Run 6: Statistics of Copa

Start at: 2018-07-04 12:50:27
End at: 2018-07-04 12:50:57
Local clock offset: 2.964 ms
Remote clock offset: -6.489 ms

Below is generated by plot.py at 2018-07-04 14:24:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 32.240 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 32.931 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 30.609 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 32.407 ms
Loss rate: 0.34%

Run 6: Report of Copa — Data Link

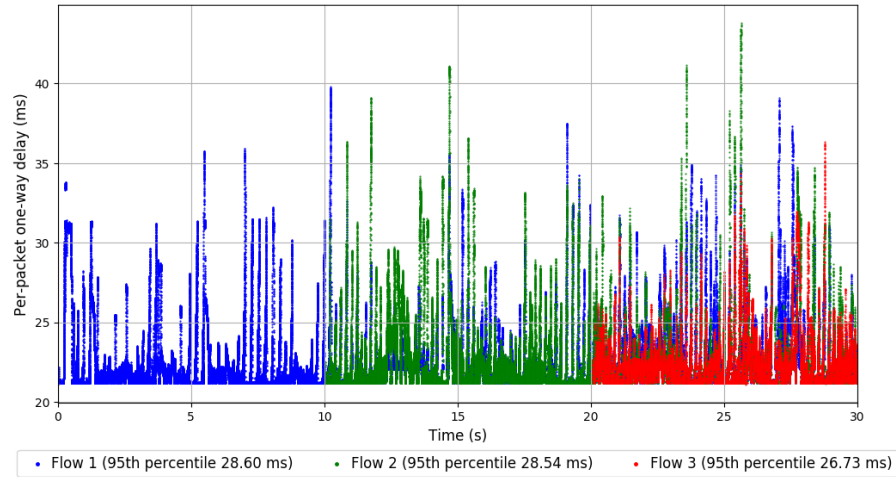
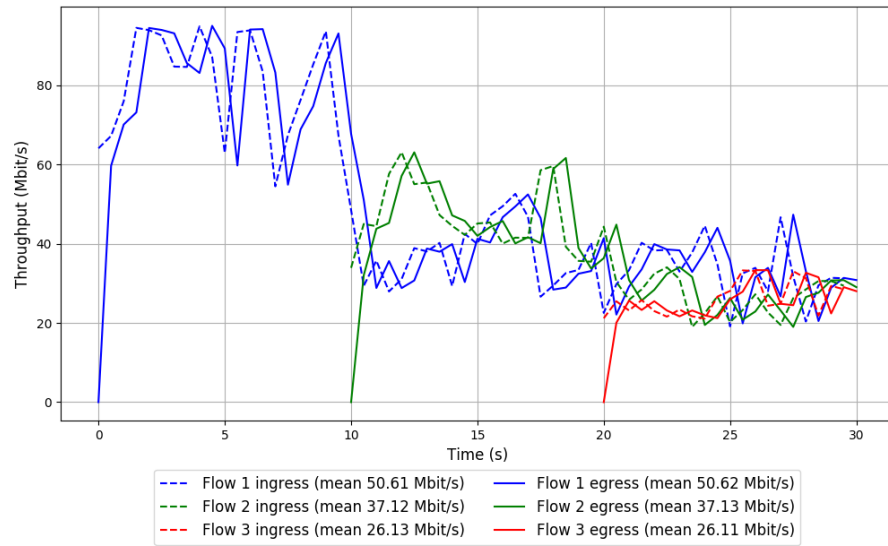


Run 7: Statistics of Copa

Start at: 2018-07-04 13:11:12
End at: 2018-07-04 13:11:42
Local clock offset: 1.706 ms
Remote clock offset: -9.882 ms

Below is generated by plot.py at 2018-07-04 14:25:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 28.416 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 28.604 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 28.541 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 26.728 ms
Loss rate: 0.32%

Run 7: Report of Copa — Data Link

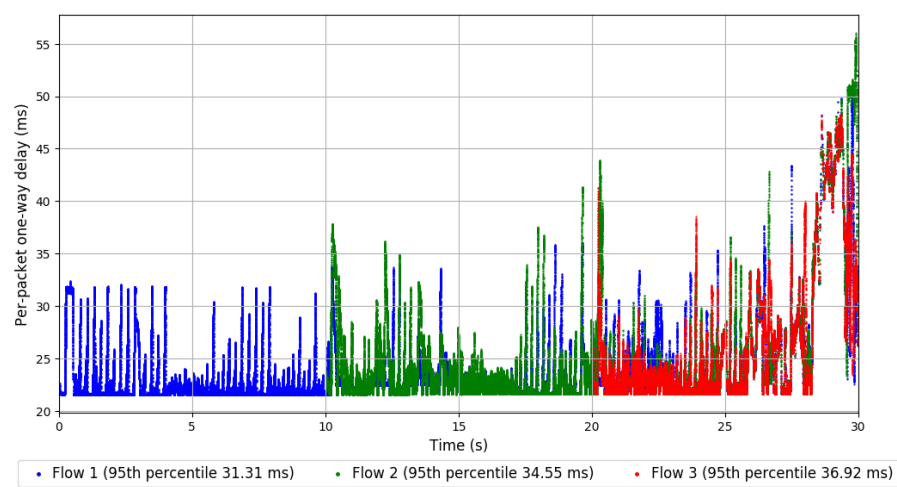
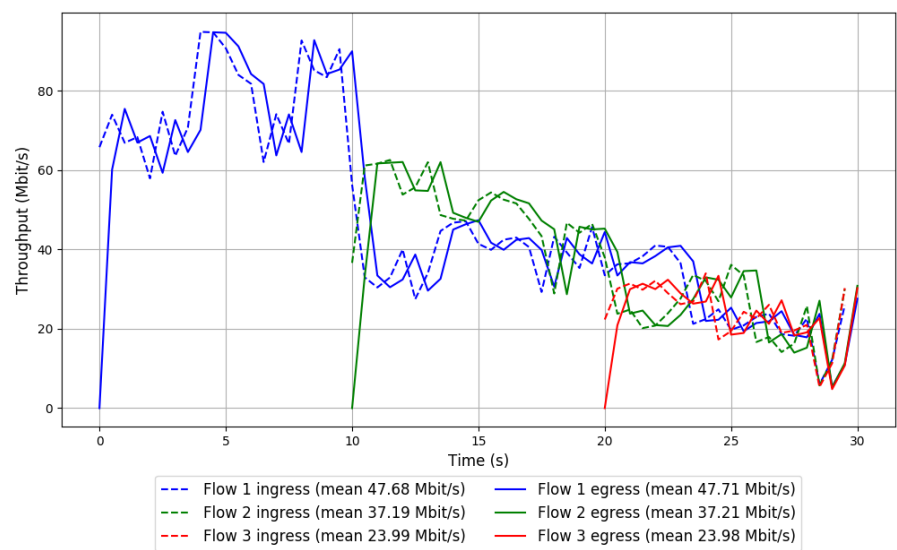


Run 8: Statistics of Copa

Start at: 2018-07-04 13:31:38
End at: 2018-07-04 13:32:09
Local clock offset: -1.204 ms
Remote clock offset: -12.759 ms

Below is generated by plot.py at 2018-07-04 14:25:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 31.715 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 31.309 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 34.554 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 36.921 ms
Loss rate: 0.28%

Run 8: Report of Copa — Data Link

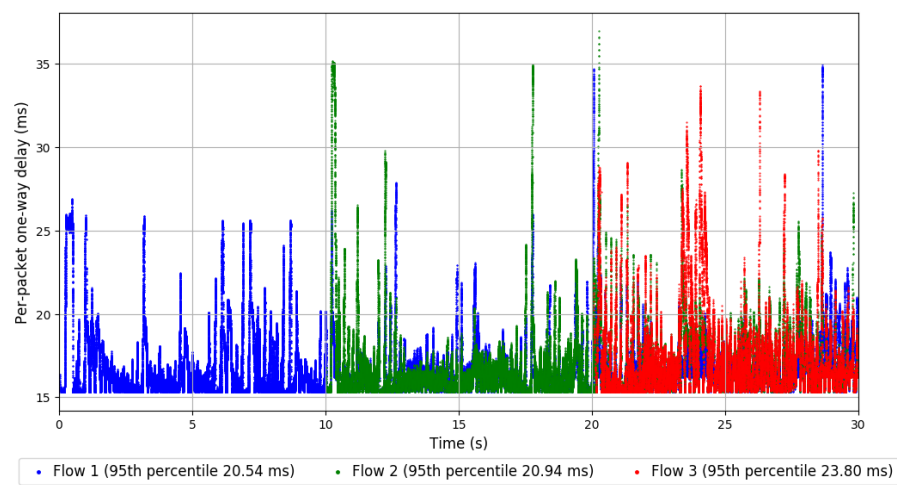
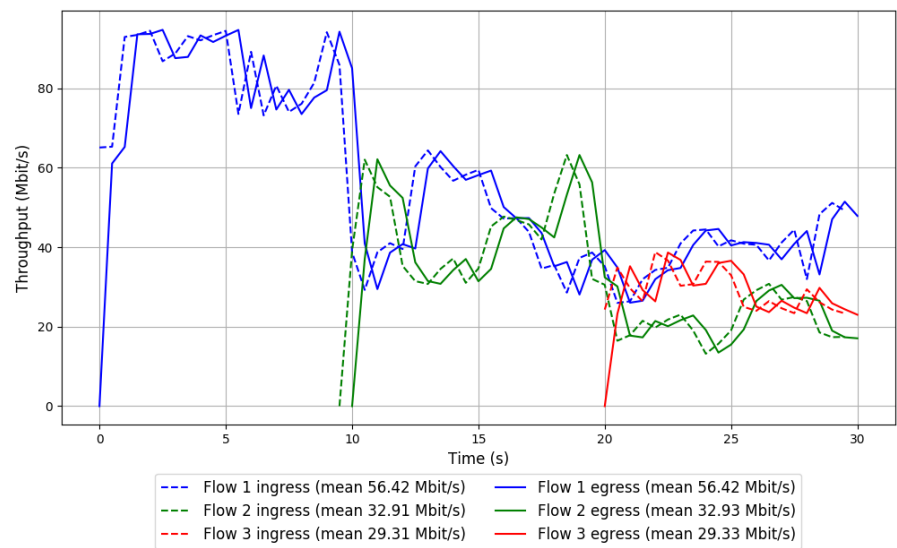


Run 9: Statistics of Copa

Start at: 2018-07-04 13:52:14
End at: 2018-07-04 13:52:44
Local clock offset: -1.323 ms
Remote clock offset: -5.524 ms

```
# Below is generated by plot.py at 2018-07-04 14:25:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 21.028 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 20.540 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 20.941 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 23.802 ms
Loss rate: 0.19%
```

Run 9: Report of Copa — Data Link

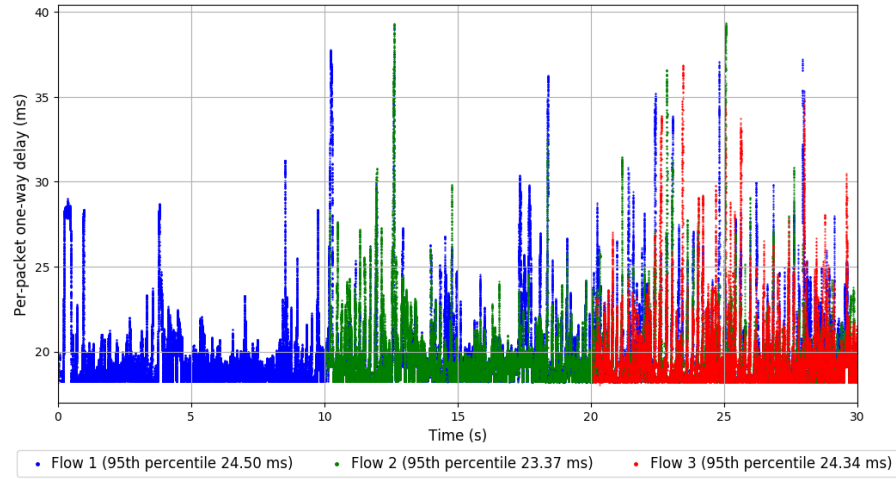
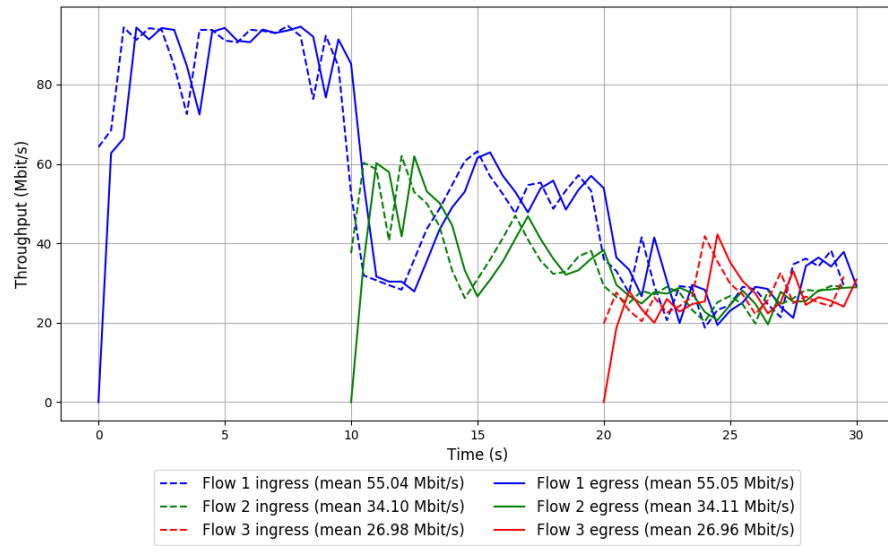


Run 10: Statistics of Copa

Start at: 2018-07-04 14:14:02
End at: 2018-07-04 14:14:32
Local clock offset: 1.674 ms
Remote clock offset: -8.259 ms

Below is generated by plot.py at 2018-07-04 14:25:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 24.110 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 24.496 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 23.372 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 24.336 ms
Loss rate: 0.32%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 11:02:24

End at: 2018-07-04 11:02:54

Local clock offset: 0.874 ms

Remote clock offset: 4.825 ms

Below is generated by plot.py at 2018-07-04 14:25:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 26.366 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 26.021 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 26.312 ms

Loss rate: 0.25%

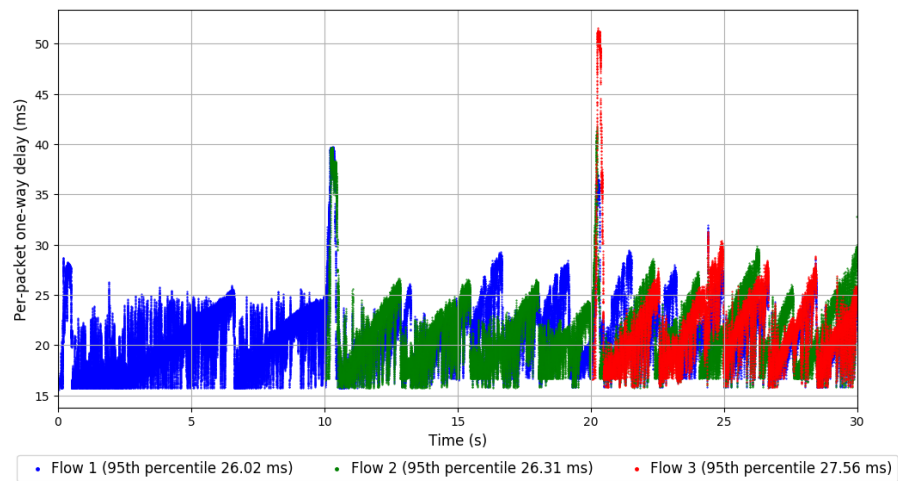
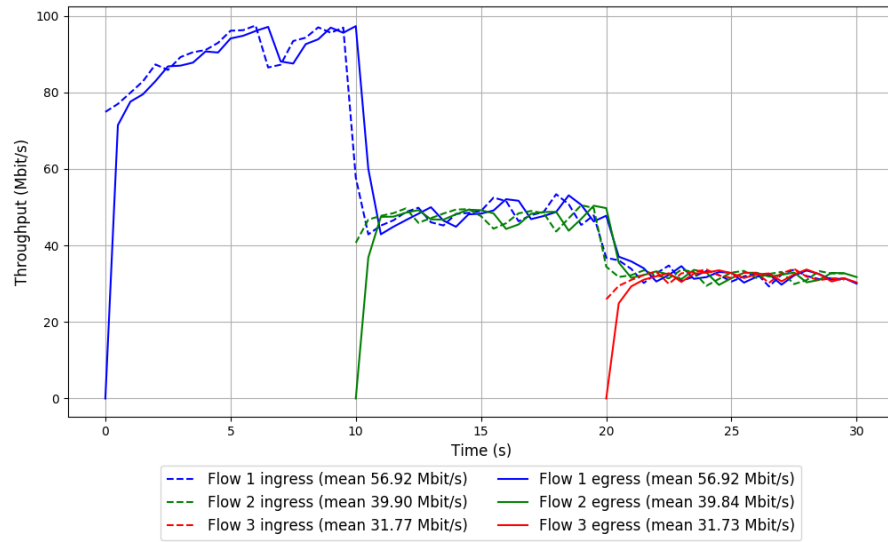
-- Flow 3:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 27.562 ms

Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

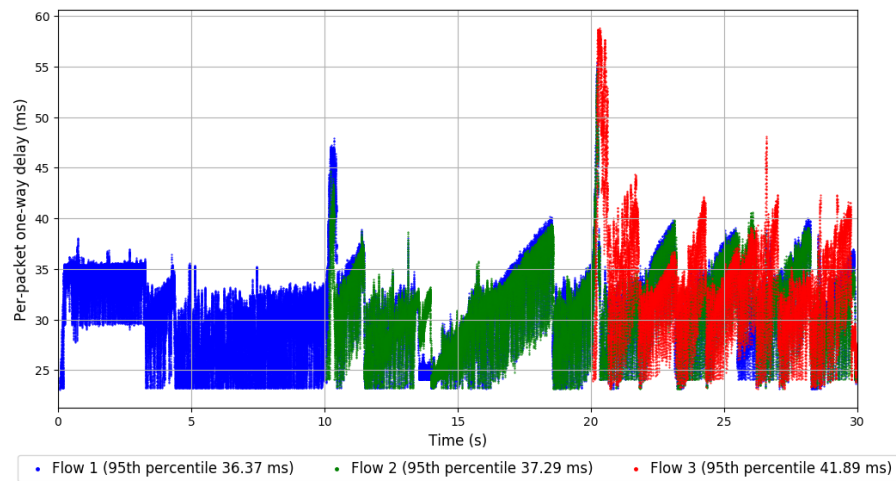
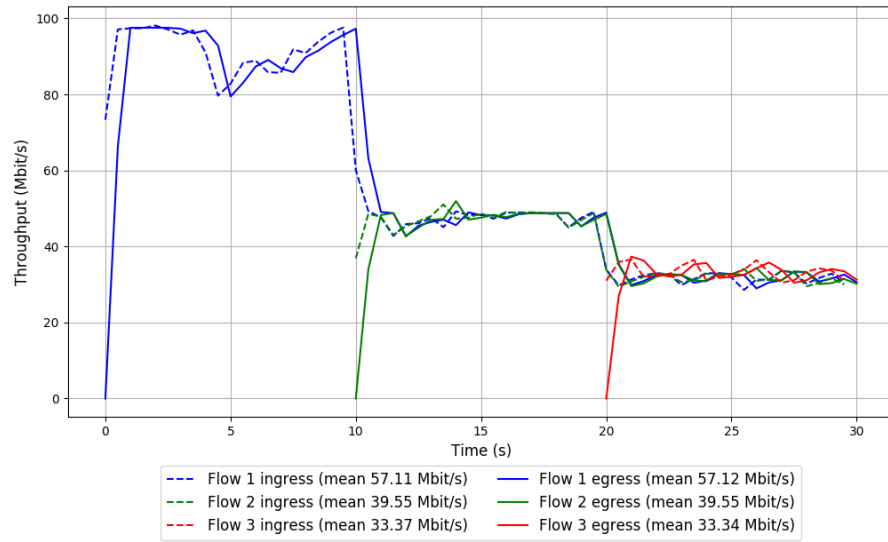


Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 11:22:41
End at: 2018-07-04 11:23:11
Local clock offset: 2.243 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-07-04 14:25:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 37.438 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 36.369 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 37.288 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 41.890 ms
Loss rate: 0.36%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 11:43:37

End at: 2018-07-04 11:44:07

Local clock offset: -0.3 ms

Remote clock offset: 3.585 ms

Below is generated by plot.py at 2018-07-04 14:25:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 33.886 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 32.822 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 40.222 ms

Loss rate: 0.15%

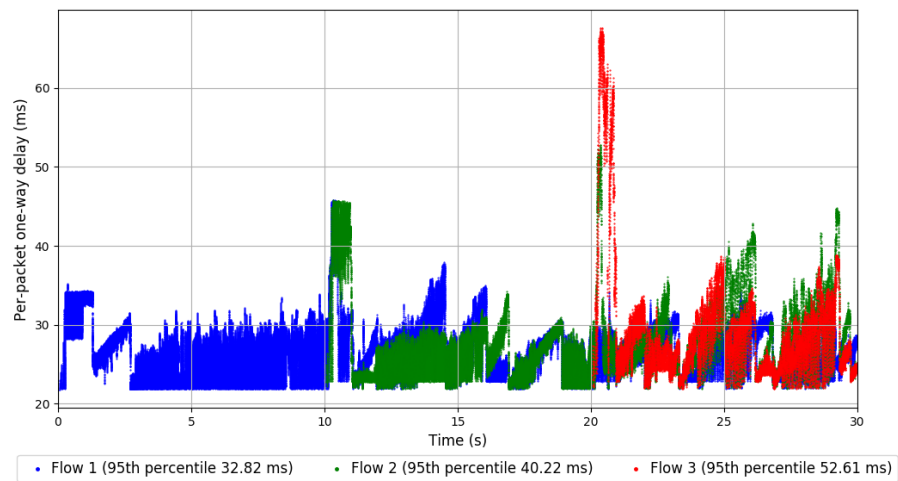
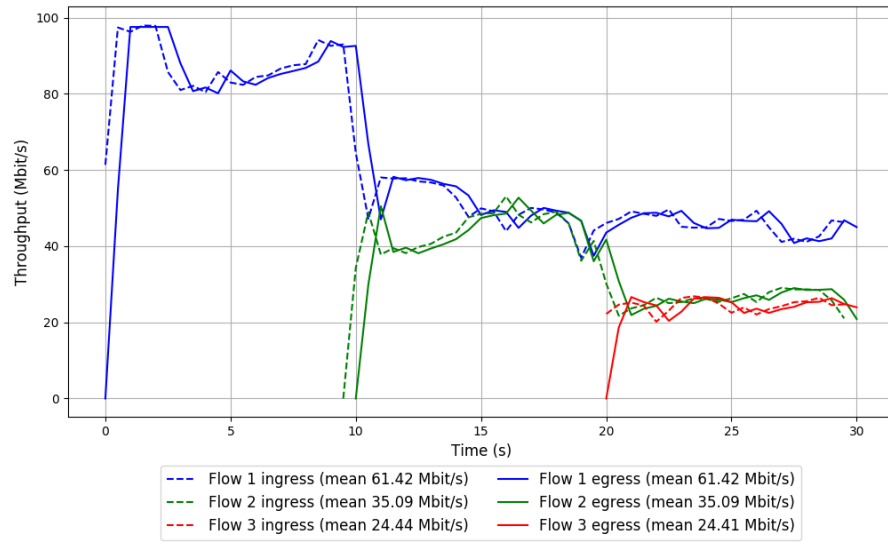
-- Flow 3:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 52.611 ms

Loss rate: 0.48%

Run 3: Report of TCP Cubic — Data Link

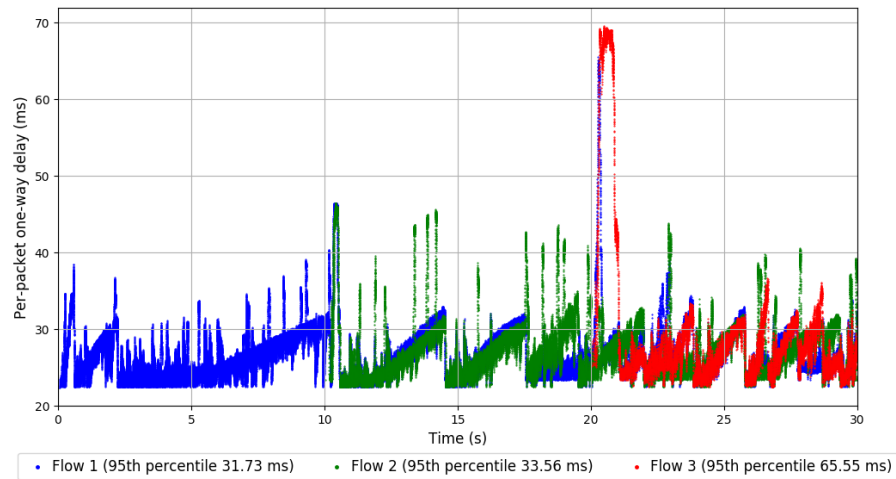
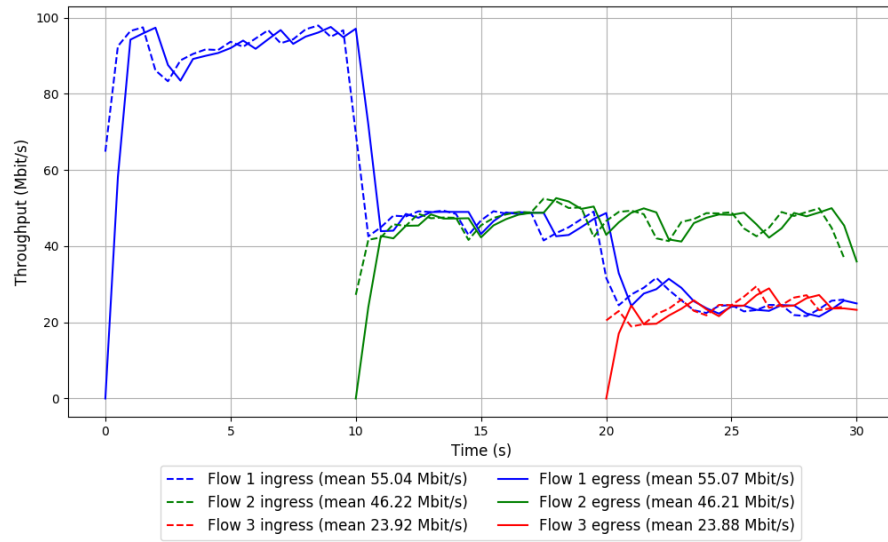


Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 12:04:18
End at: 2018-07-04 12:04:48
Local clock offset: 0.466 ms
Remote clock offset: -2.792 ms

Below is generated by plot.py at 2018-07-04 14:25:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 32.746 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 31.731 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 33.561 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 65.551 ms
Loss rate: 0.52%

Run 4: Report of TCP Cubic — Data Link

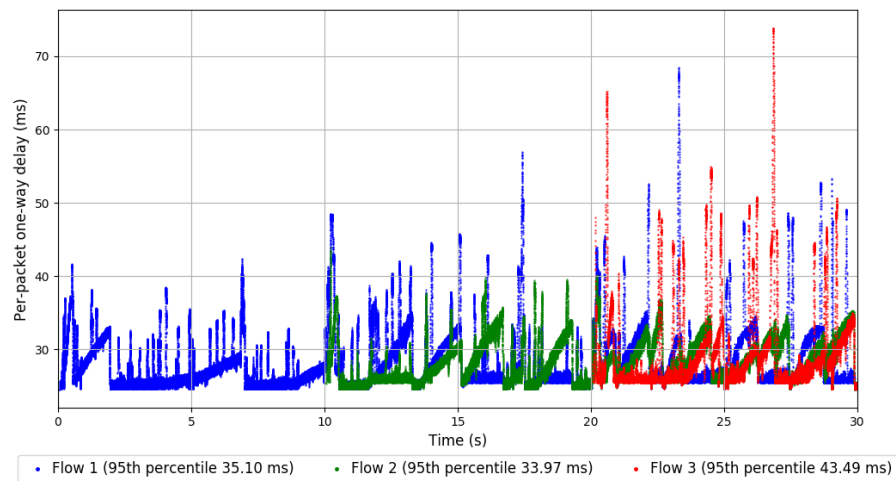
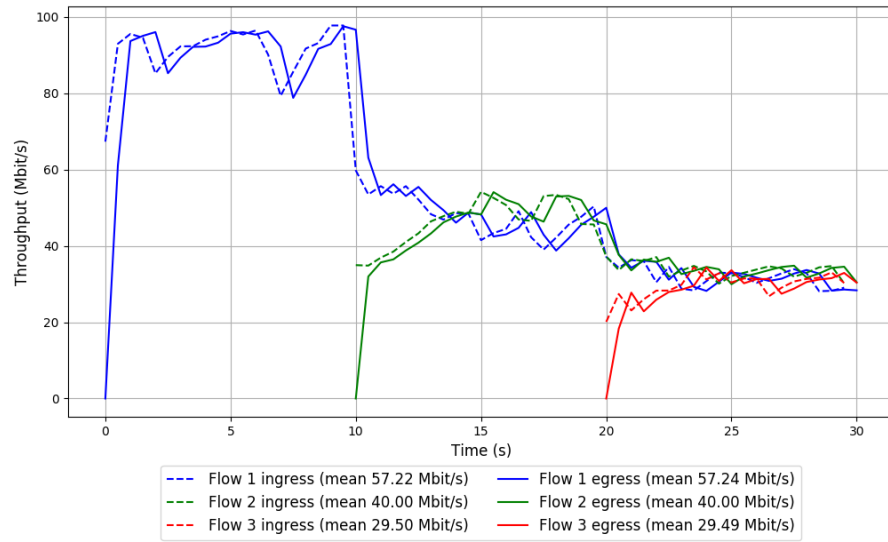


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 12:25:09
End at: 2018-07-04 12:25:39
Local clock offset: 1.464 ms
Remote clock offset: -4.705 ms

Below is generated by plot.py at 2018-07-04 14:25:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 34.982 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 35.105 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 33.970 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 43.487 ms
Loss rate: 0.40%

Run 5: Report of TCP Cubic — Data Link

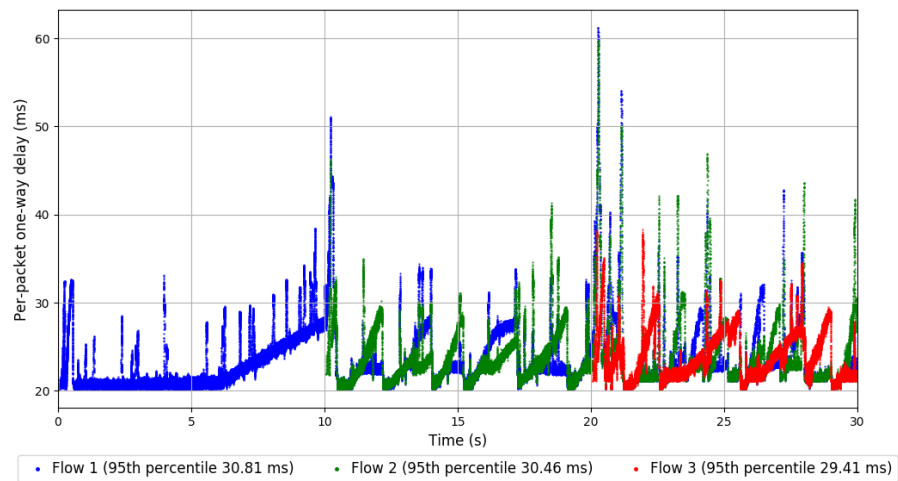
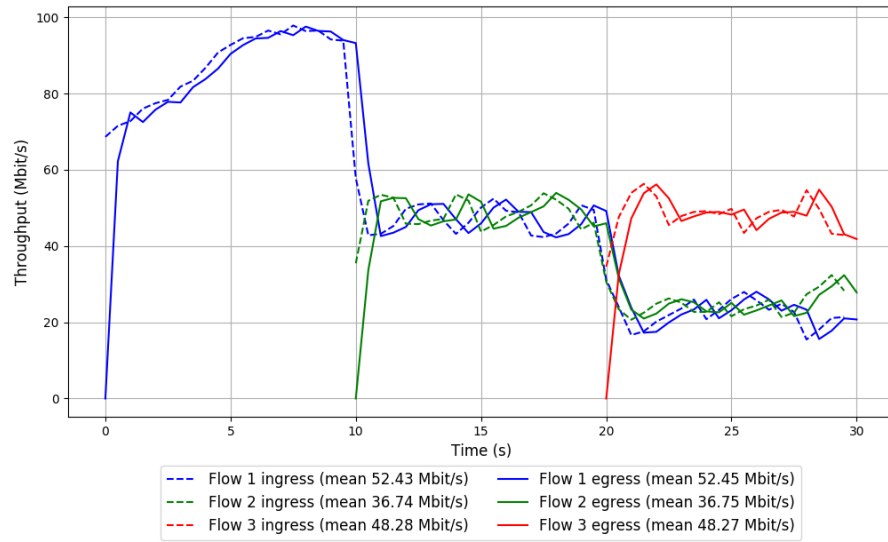


Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 12:45:41
End at: 2018-07-04 12:46:11
Local clock offset: -2.27 ms
Remote clock offset: -7.809 ms

Below is generated by plot.py at 2018-07-04 14:26:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 30.394 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 30.810 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 30.458 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 29.405 ms
Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link

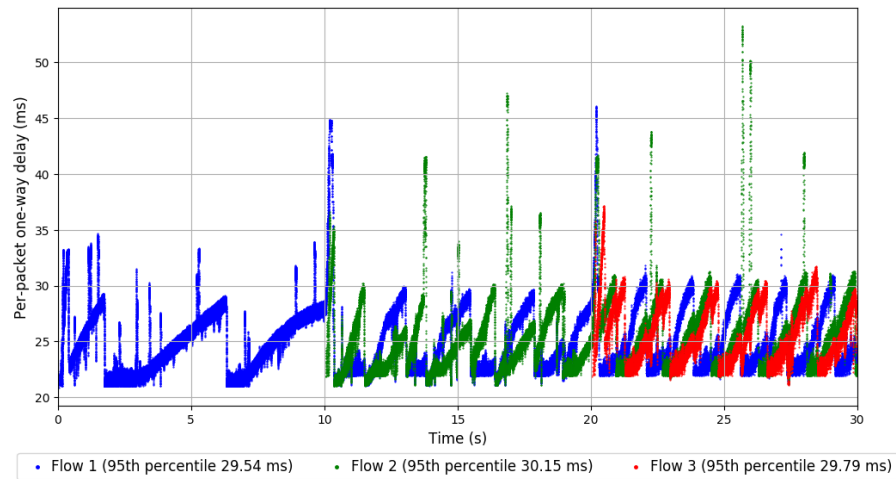
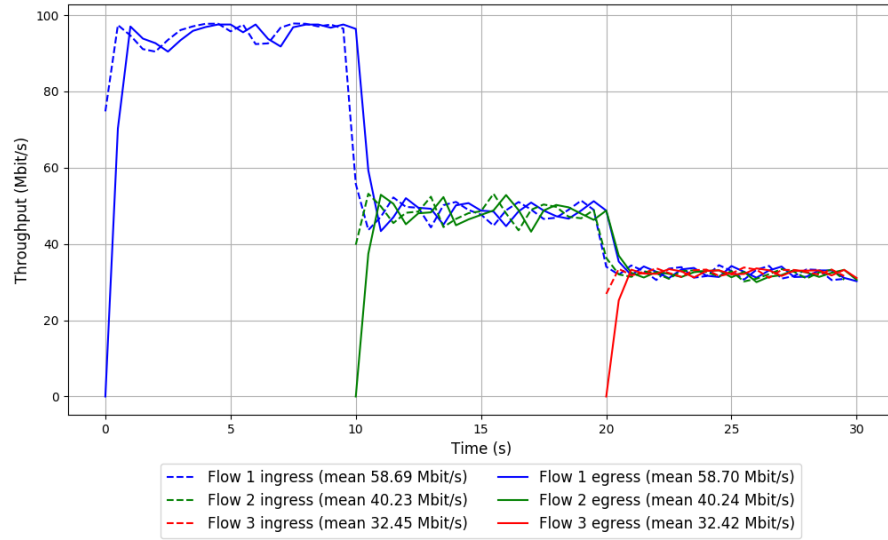


Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 13:06:30
End at: 2018-07-04 13:07:00
Local clock offset: 1.995 ms
Remote clock offset: -9.752 ms

Below is generated by plot.py at 2018-07-04 14:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 29.780 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 29.539 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 30.146 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 29.786 ms
Loss rate: 0.36%

Run 7: Report of TCP Cubic — Data Link

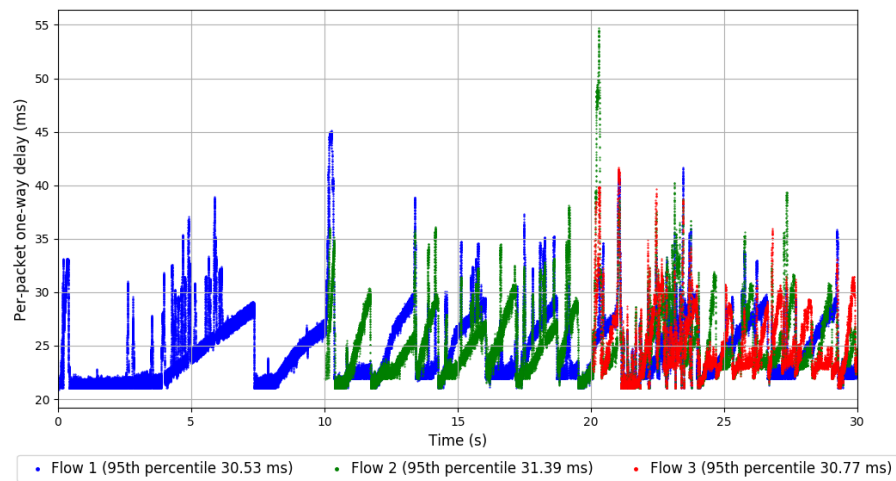
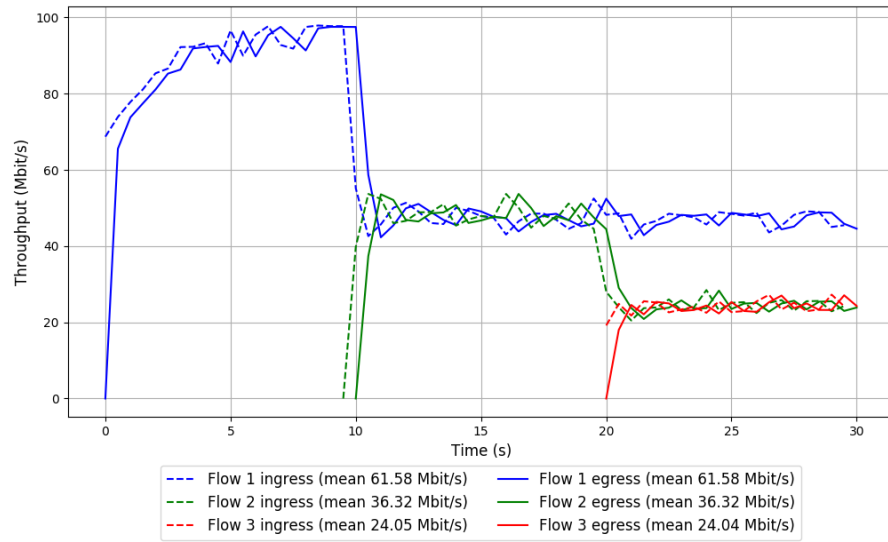


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 13:26:58
End at: 2018-07-04 13:27:28
Local clock offset: 1.255 ms
Remote clock offset: -10.007 ms

Below is generated by plot.py at 2018-07-04 14:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 30.808 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 30.534 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 31.387 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 30.767 ms
Loss rate: 0.30%

Run 8: Report of TCP Cubic — Data Link

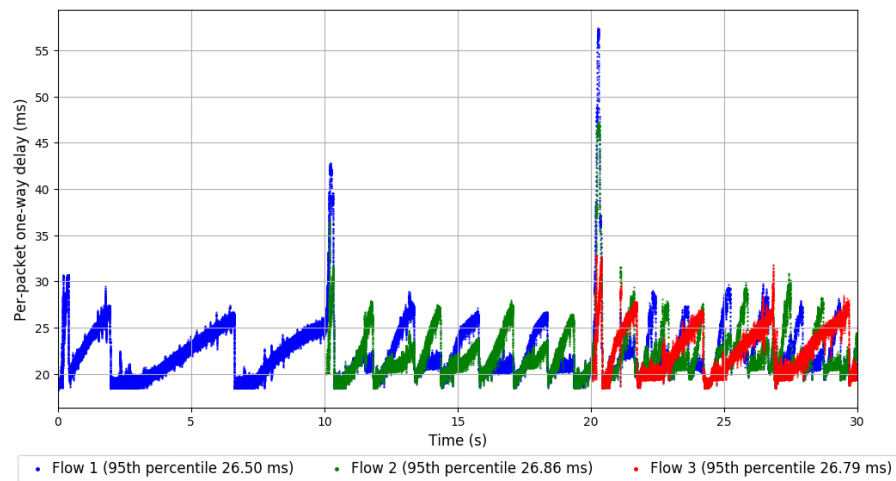
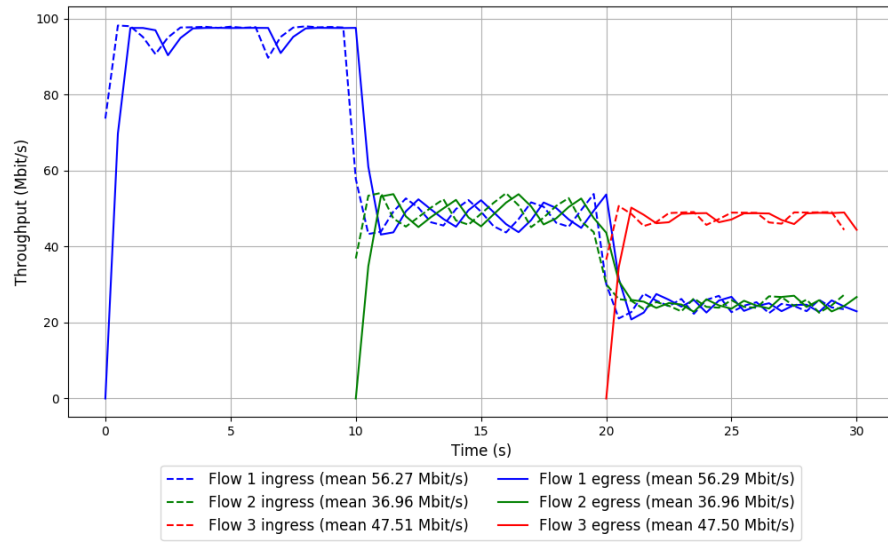


Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 13:47:21
End at: 2018-07-04 13:47:51
Local clock offset: 1.872 ms
Remote clock offset: -5.502 ms

Below is generated by plot.py at 2018-07-04 14:26:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 26.673 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 26.497 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 26.855 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 26.791 ms
Loss rate: 0.28%

Run 9: Report of TCP Cubic — Data Link

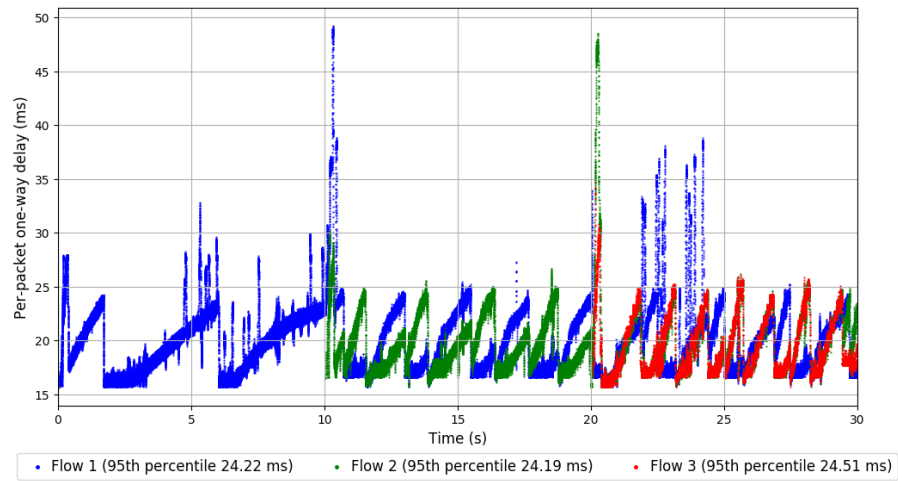
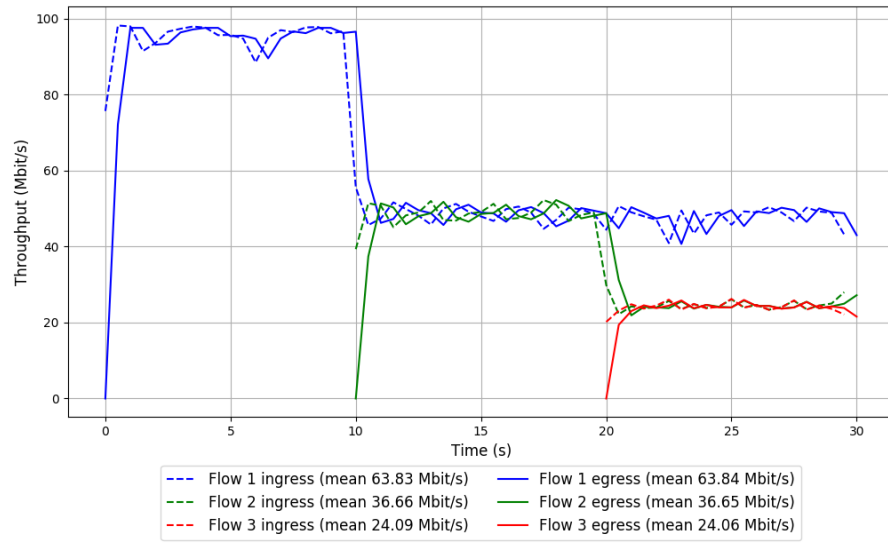


Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 14:09:16
End at: 2018-07-04 14:09:46
Local clock offset: -0.412 ms
Remote clock offset: -7.437 ms

Below is generated by plot.py at 2018-07-04 14:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 24.233 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 24.224 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 24.186 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 24.510 ms
Loss rate: 0.35%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-04 11:01:11

End at: 2018-07-04 11:01:41

Local clock offset: 1.048 ms

Remote clock offset: 3.811 ms

Below is generated by plot.py at 2018-07-04 14:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 45.798 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 44.922 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 38.30 Mbit/s

95th percentile per-packet one-way delay: 45.883 ms

Loss rate: 3.64%

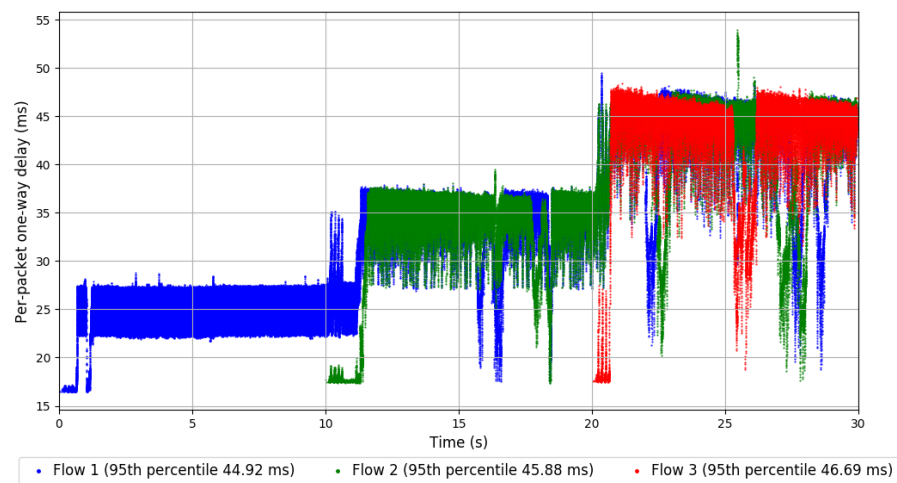
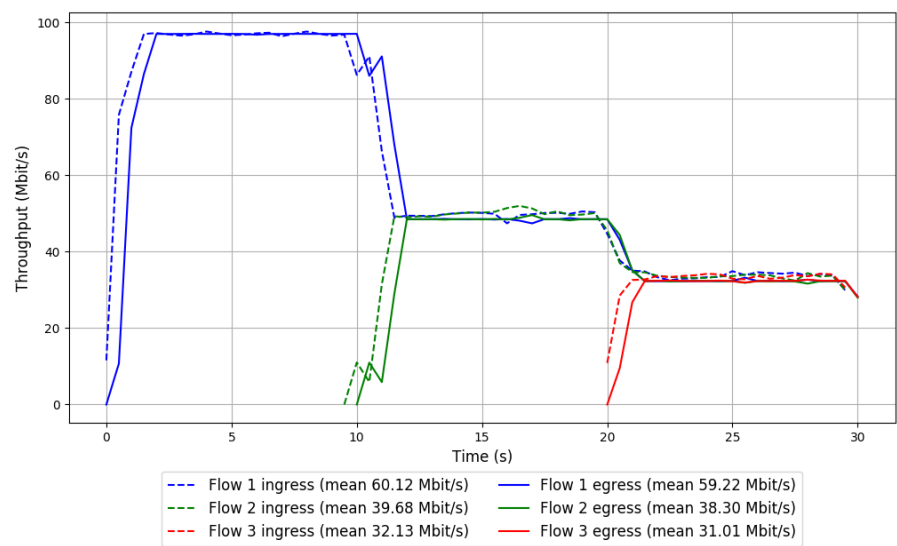
-- Flow 3:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 46.690 ms

Loss rate: 3.89%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-04 11:21:28

End at: 2018-07-04 11:21:58

Local clock offset: 1.773 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2018-07-04 14:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 49.819 ms

Loss rate: 9.77%

-- Flow 1:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 48.972 ms

Loss rate: 7.66%

-- Flow 2:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 49.811 ms

Loss rate: 16.47%

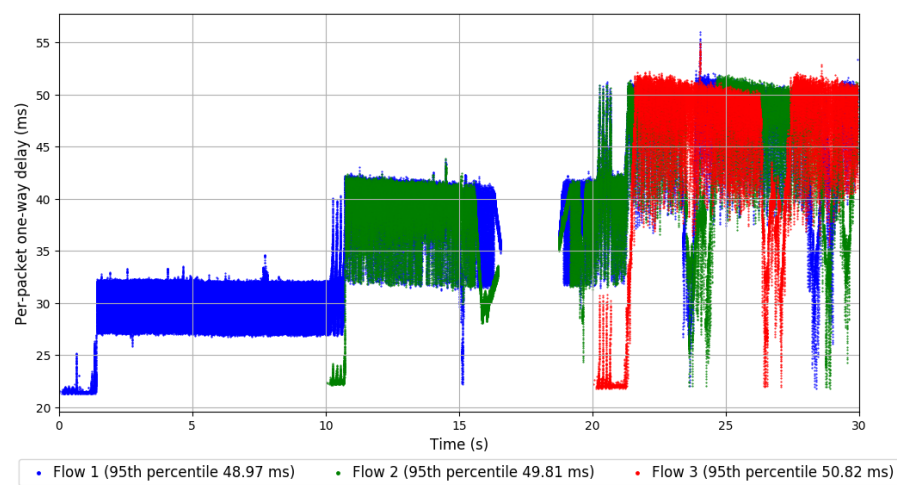
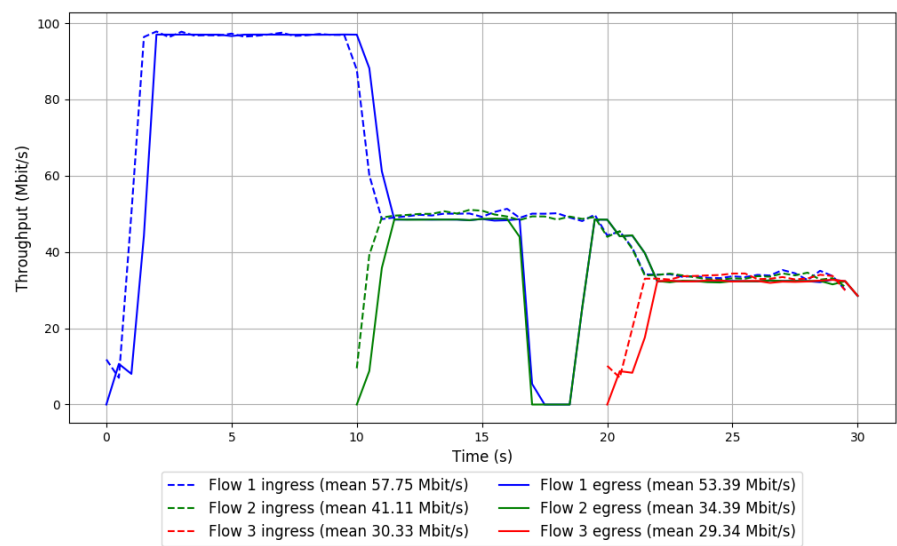
-- Flow 3:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 50.822 ms

Loss rate: 3.65%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-04 11:42:24

End at: 2018-07-04 11:42:54

Local clock offset: 0.3 ms

Remote clock offset: 3.607 ms

Below is generated by plot.py at 2018-07-04 14:27:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 58.411 ms

Loss rate: 2.57%

-- Flow 1:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 42.148 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: 59.529 ms

Loss rate: 4.18%

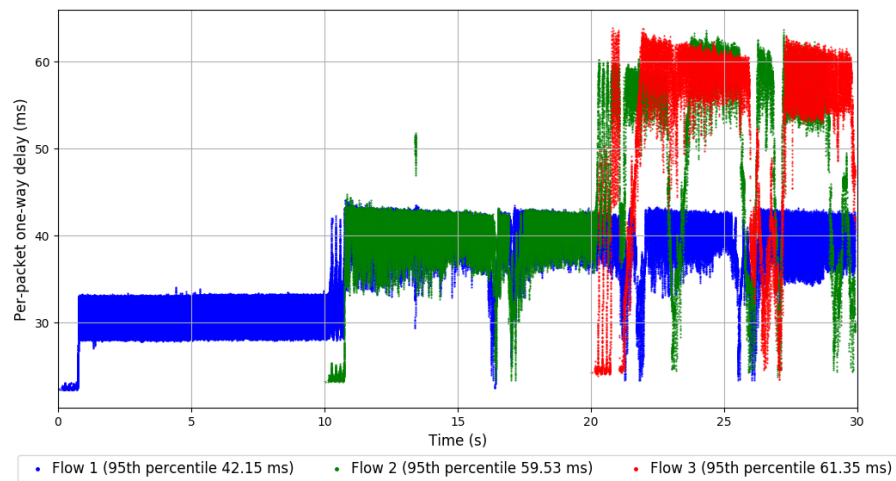
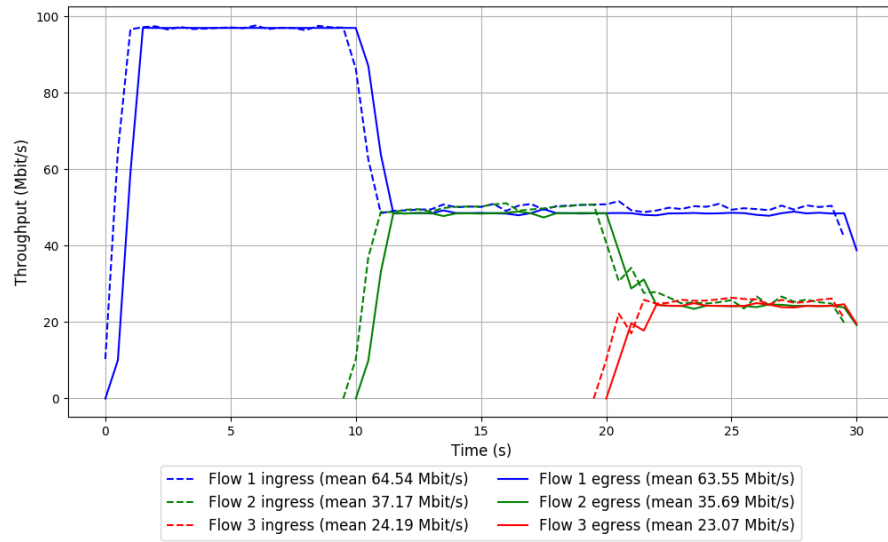
-- Flow 3:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 61.349 ms

Loss rate: 4.96%

Run 3: Report of FillP — Data Link

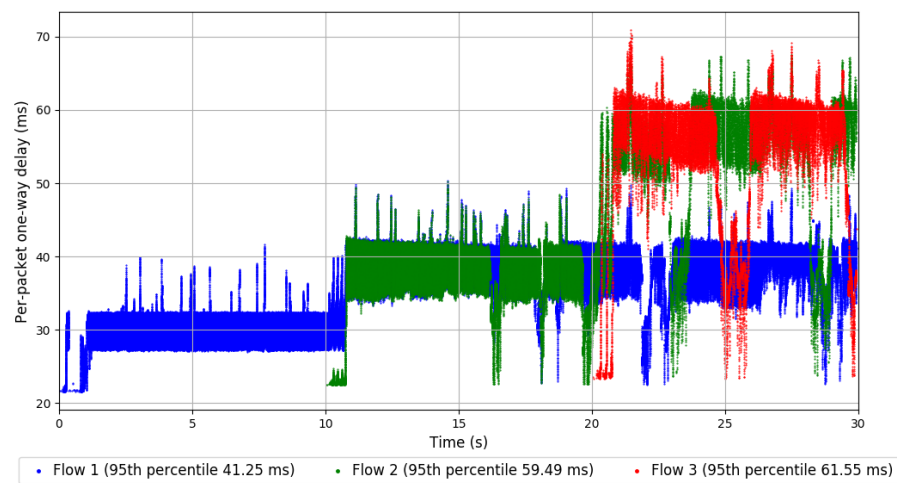
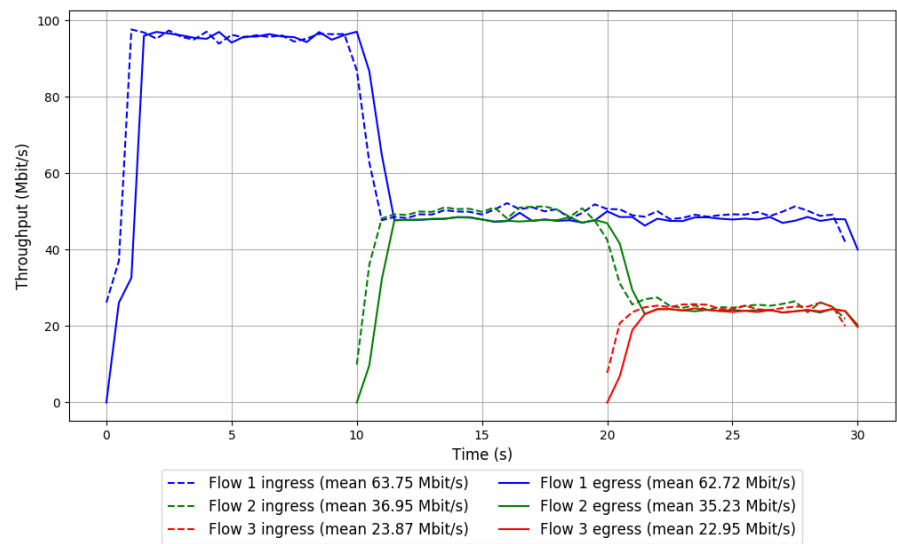


Run 4: Statistics of FillP

Start at: 2018-07-04 12:03:07
End at: 2018-07-04 12:03:37
Local clock offset: -0.738 ms
Remote clock offset: -3.192 ms

Below is generated by plot.py at 2018-07-04 14:27:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 58.191 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 41.249 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 59.490 ms
Loss rate: 4.88%
-- Flow 3:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 4.09%

Run 4: Report of FillP — Data Link

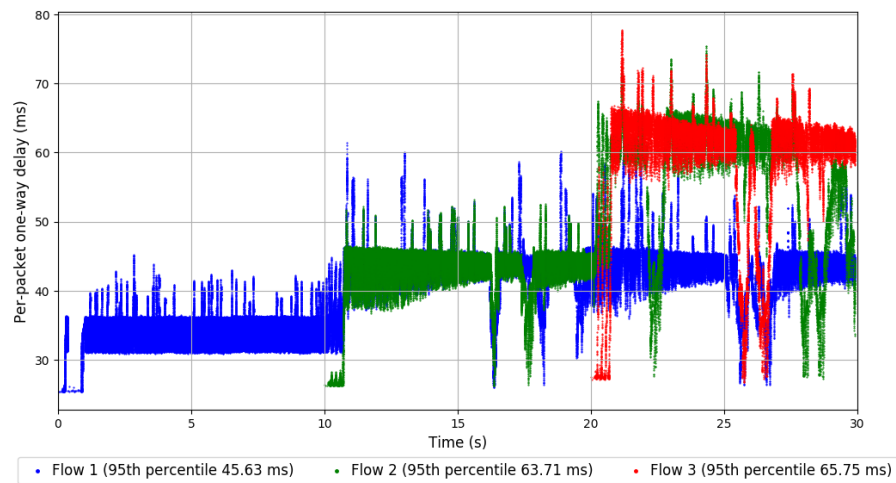
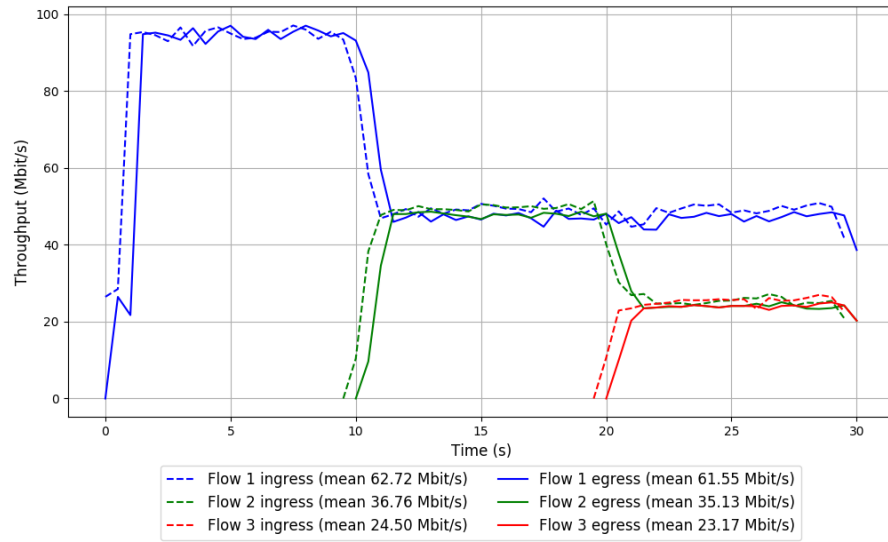


Run 5: Statistics of FillP

Start at: 2018-07-04 12:23:59
End at: 2018-07-04 12:24:29
Local clock offset: 2.027 ms
Remote clock offset: -4.794 ms

Below is generated by plot.py at 2018-07-04 14:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 62.664 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 63.708 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 65.748 ms
Loss rate: 5.90%

Run 5: Report of FillP — Data Link

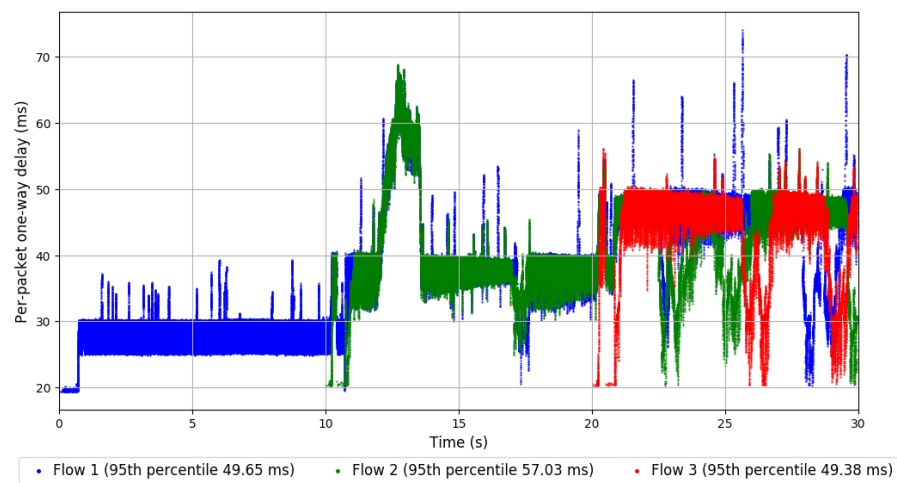
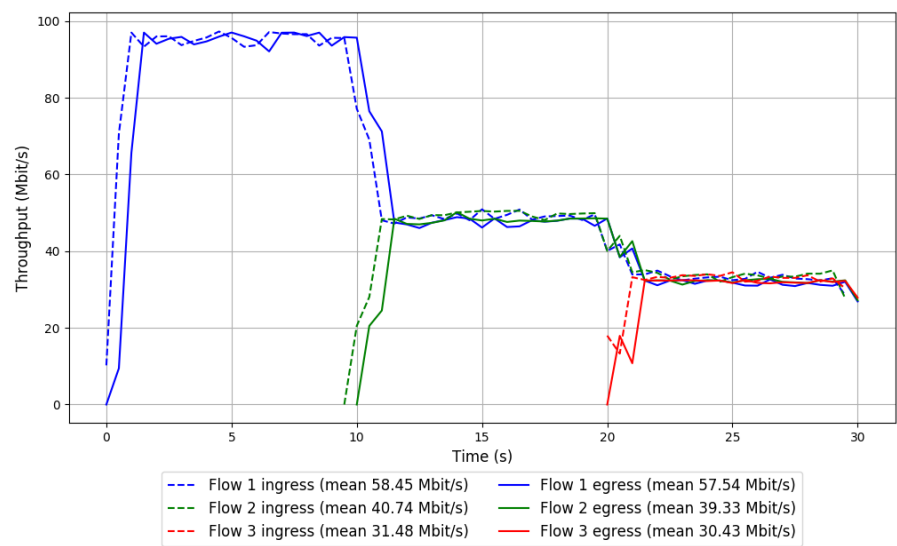


Run 6: Statistics of FillP

Start at: 2018-07-04 12:44:27
End at: 2018-07-04 12:44:57
Local clock offset: -1.659 ms
Remote clock offset: -6.344 ms

Below is generated by plot.py at 2018-07-04 14:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 49.646 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 57.033 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 49.384 ms
Loss rate: 3.65%

Run 6: Report of FillP — Data Link

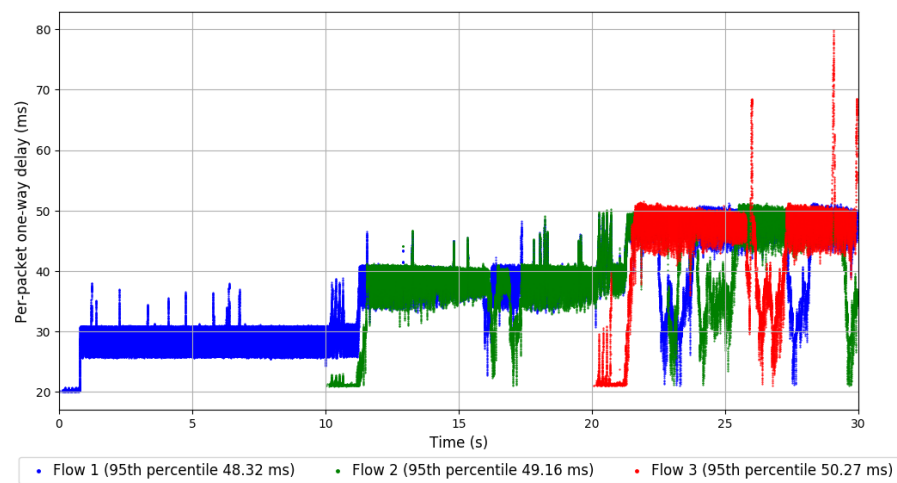
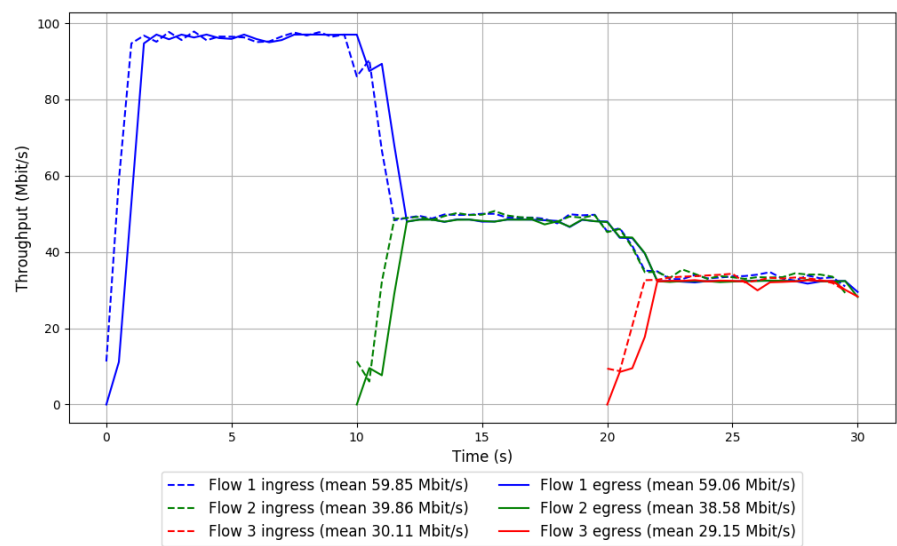


Run 7: Statistics of FillP

Start at: 2018-07-04 13:05:20
End at: 2018-07-04 13:05:50
Local clock offset: 1.154 ms
Remote clock offset: -9.872 ms

Below is generated by plot.py at 2018-07-04 14:27:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 49.197 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 48.316 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 49.158 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 50.275 ms
Loss rate: 3.55%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-04 13:25:46

End at: 2018-07-04 13:26:16

Local clock offset: -0.553 ms

Remote clock offset: -9.95 ms

Below is generated by plot.py at 2018-07-04 14:27:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 55.662 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 55.30 Mbit/s

95th percentile per-packet one-way delay: 55.460 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 39.180 ms

Loss rate: 2.62%

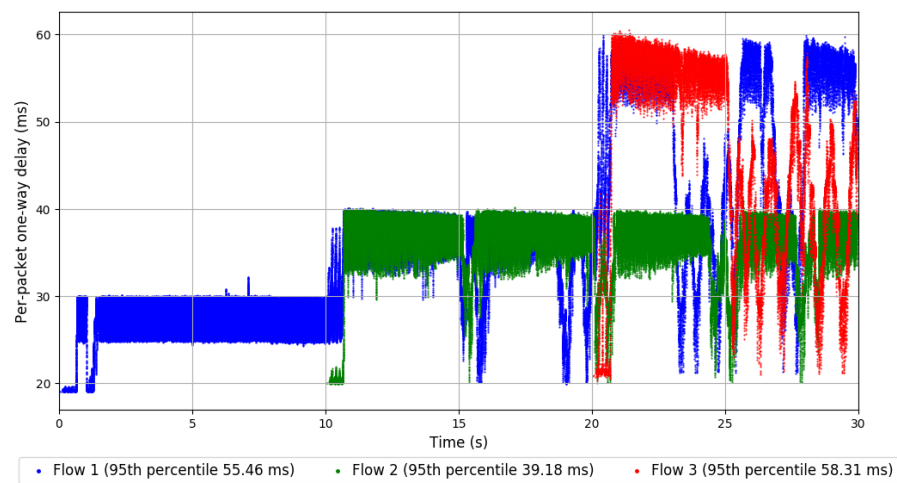
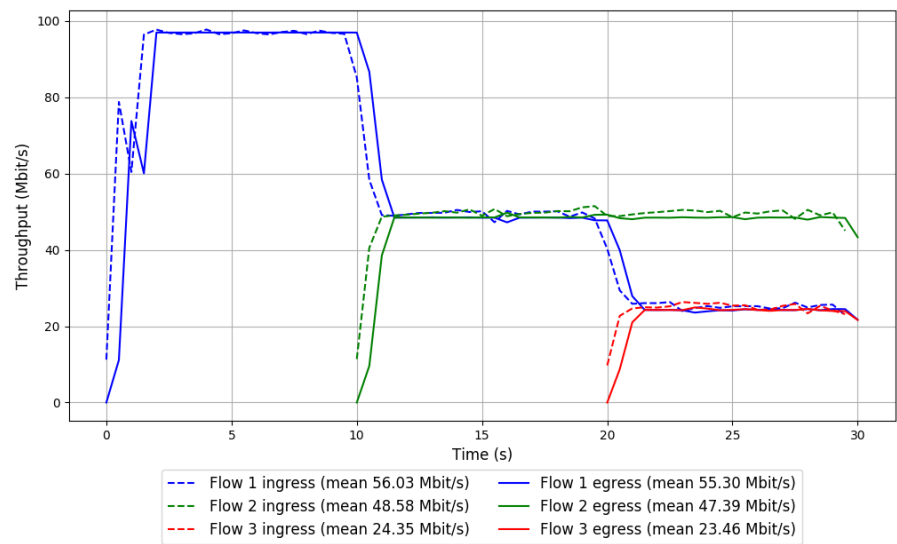
-- Flow 3:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 58.312 ms

Loss rate: 3.95%

Run 8: Report of FillP — Data Link

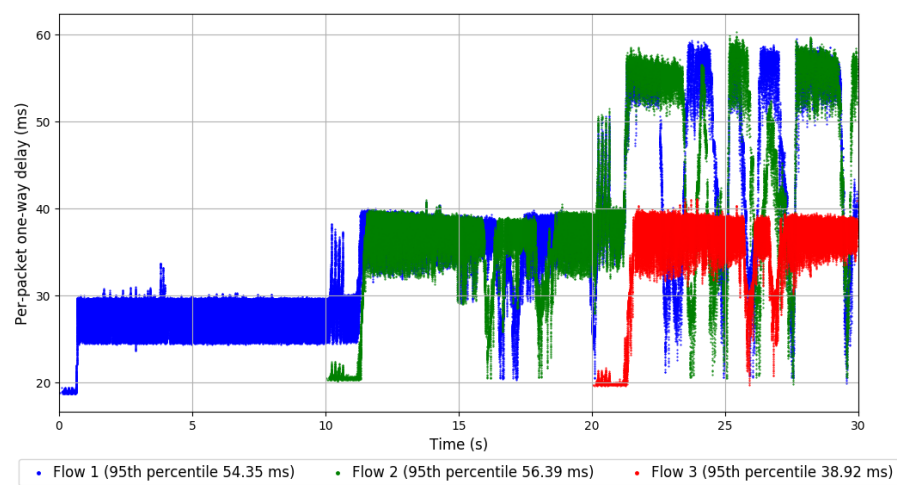
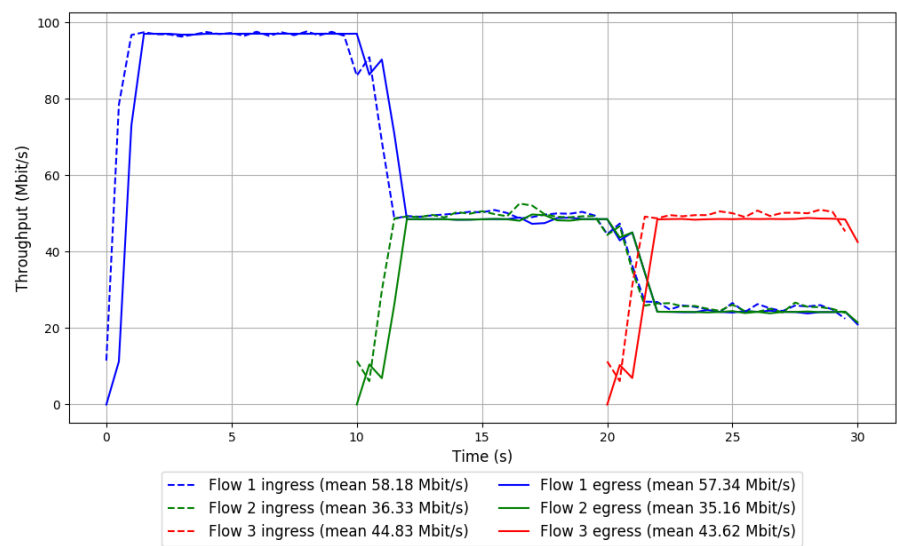


Run 9: Statistics of FillP

Start at: 2018-07-04 13:46:12
End at: 2018-07-04 13:46:42
Local clock offset: 2.128 ms
Remote clock offset: -5.704 ms

Below is generated by plot.py at 2018-07-04 14:28:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 54.994 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 54.347 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 56.388 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 38.923 ms
Loss rate: 2.99%

Run 9: Report of FillP — Data Link

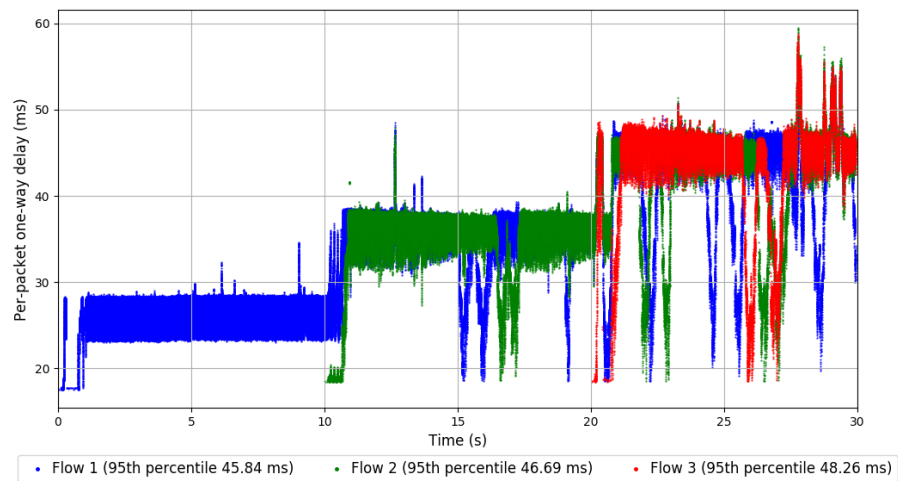
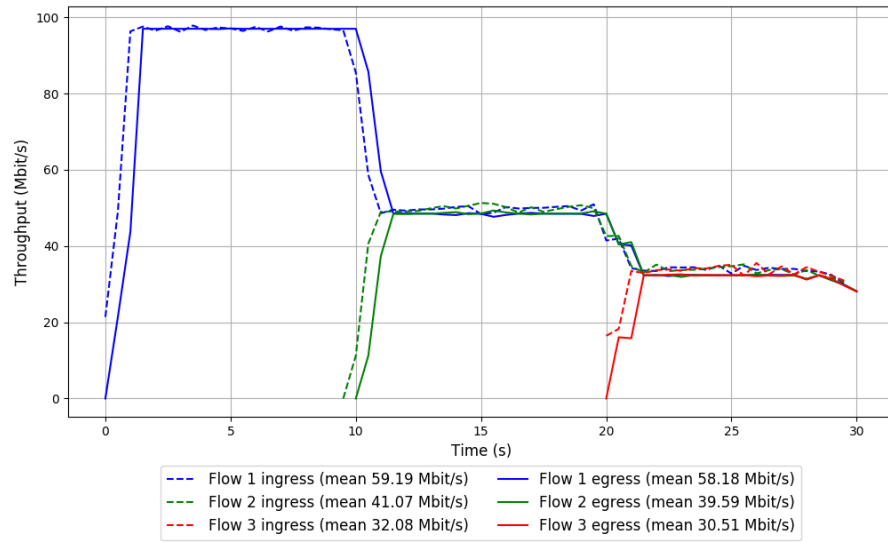


Run 10: Statistics of FillP

Start at: 2018-07-04 14:08:01
End at: 2018-07-04 14:08:31
Local clock offset: 0.193 ms
Remote clock offset: -8.582 ms

Below is generated by plot.py at 2018-07-04 14:28:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 46.644 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 45.843 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 46.691 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 48.258 ms
Loss rate: 5.29%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 11:05:53

End at: 2018-07-04 11:06:23

Local clock offset: -2.614 ms

Remote clock offset: 6.359 ms

Below is generated by plot.py at 2018-07-04 14:28:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 38.680 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 58.77 Mbit/s

95th percentile per-packet one-way delay: 37.576 ms

Loss rate: 1.73%

-- Flow 2:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 38.430 ms

Loss rate: 3.49%

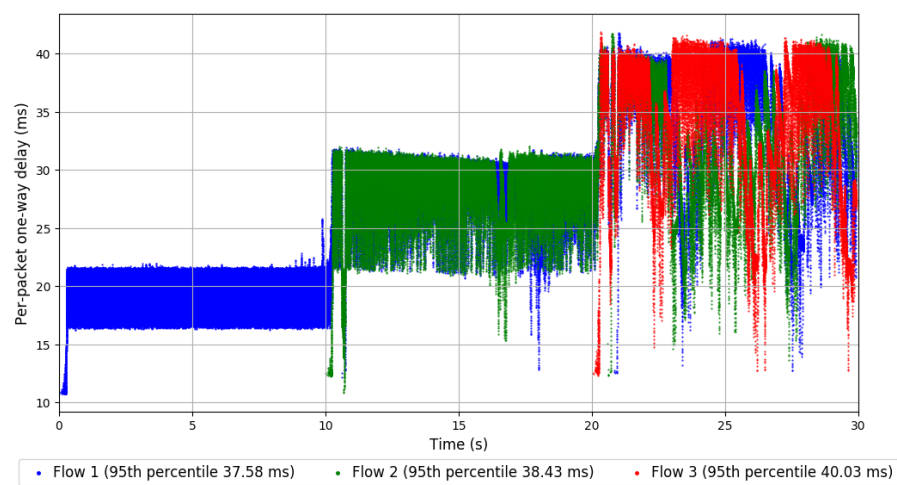
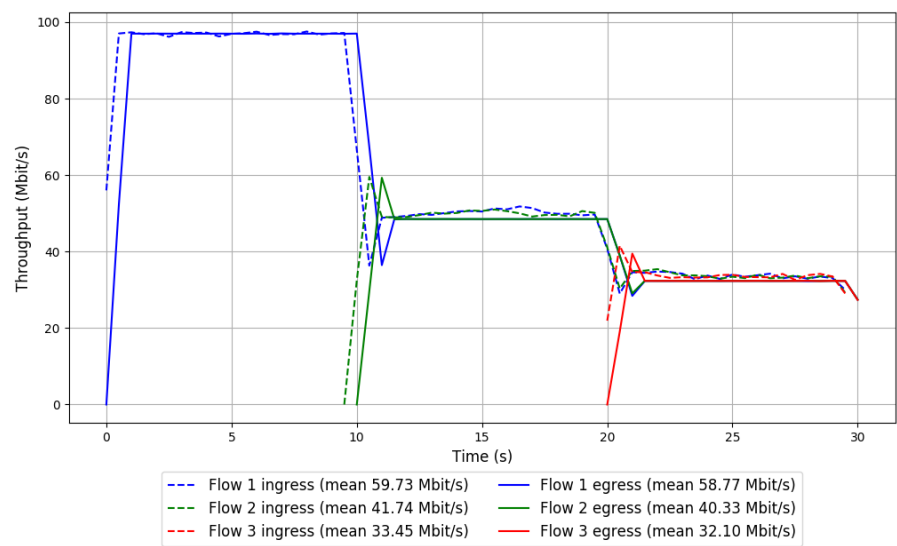
-- Flow 3:

Average throughput: 32.10 Mbit/s

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

Loss rate: 4.34%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 11:26:17

End at: 2018-07-04 11:26:47

Local clock offset: 0.195 ms

Remote clock offset: 0.463 ms

Below is generated by plot.py at 2018-07-04 14:28:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 47.491 ms

Loss rate: 2.82%

-- Flow 1:

Average throughput: 59.07 Mbit/s

95th percentile per-packet one-way delay: 46.662 ms

Loss rate: 1.93%

-- Flow 2:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 47.366 ms

Loss rate: 4.35%

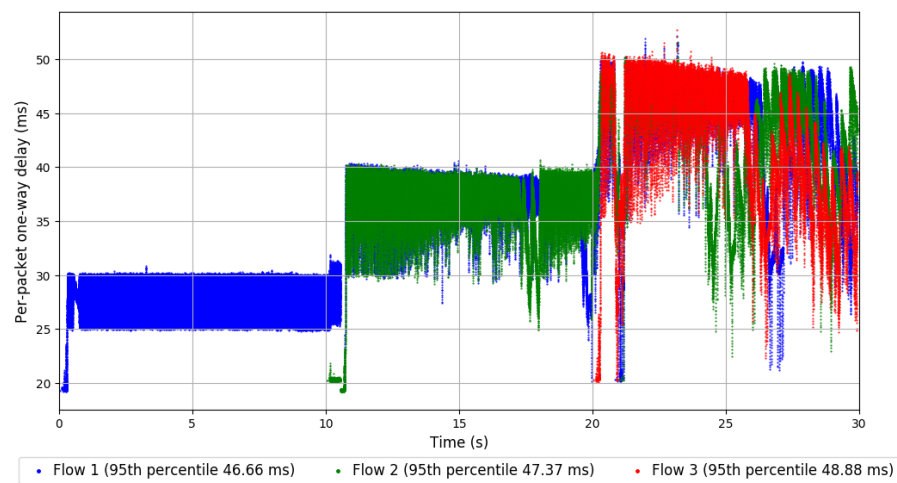
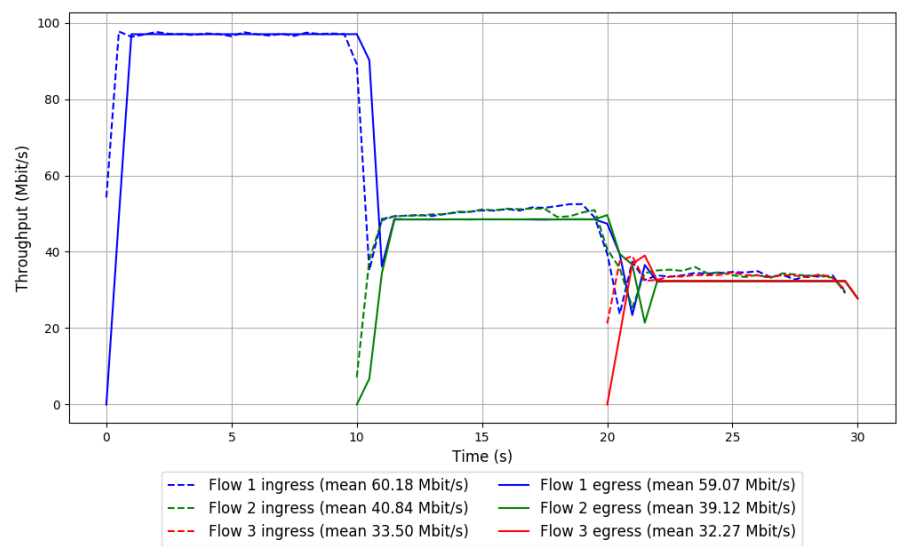
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 48.878 ms

Loss rate: 3.94%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 11:47:07

End at: 2018-07-04 11:47:37

Local clock offset: 0.914 ms

Remote clock offset: 3.678 ms

Below is generated by plot.py at 2018-07-04 14:28:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 48.915 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 3.65%

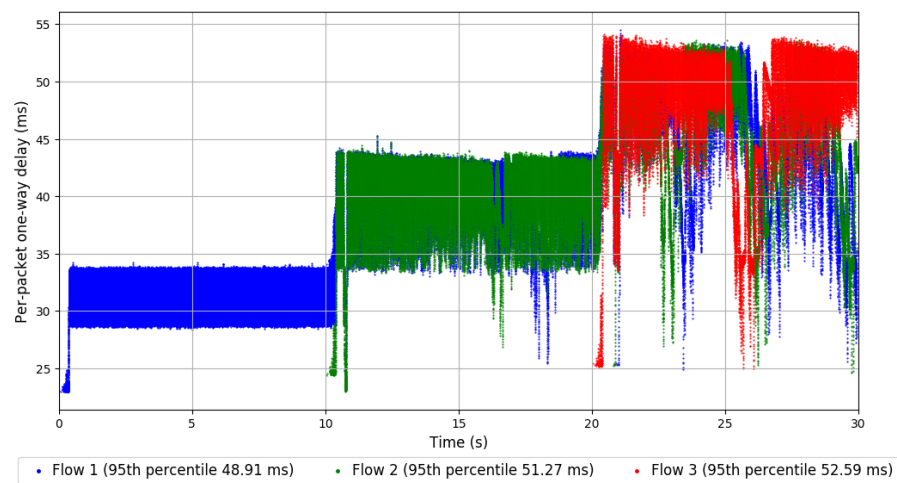
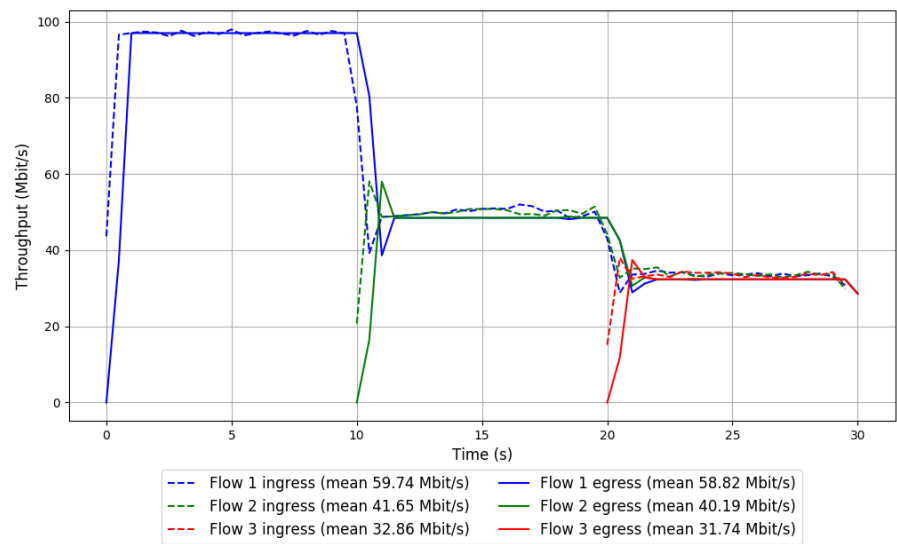
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 52.587 ms

Loss rate: 3.90%

Run 3: Report of FillP-Sheep — Data Link

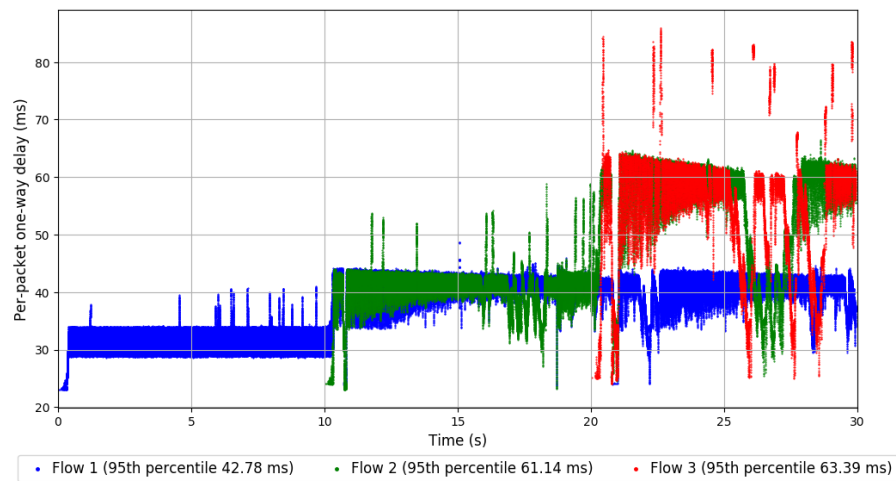
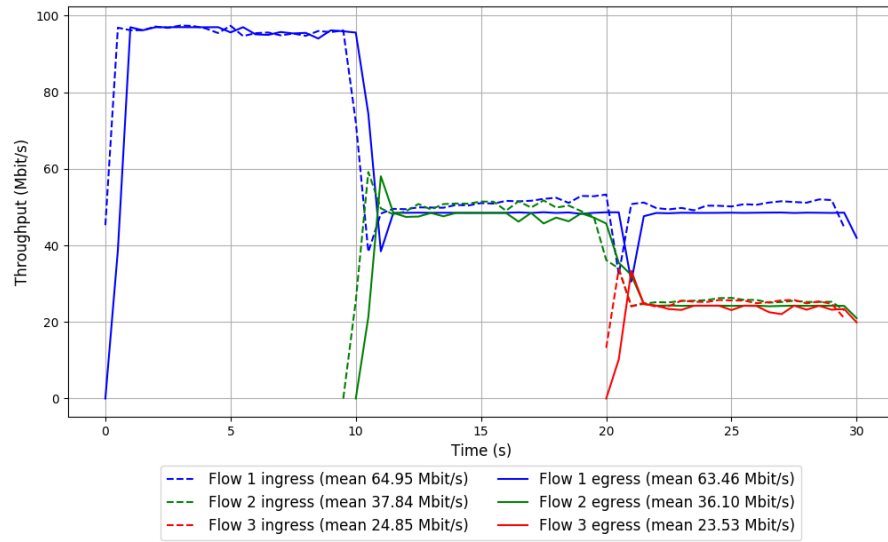


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 12:07:51
End at: 2018-07-04 12:08:21
Local clock offset: 1.493 ms
Remote clock offset: -2.439 ms

Below is generated by plot.py at 2018-07-04 14:28:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 59.695 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 42.784 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 5.79%

Run 4: Report of FillP-Sheep — Data Link

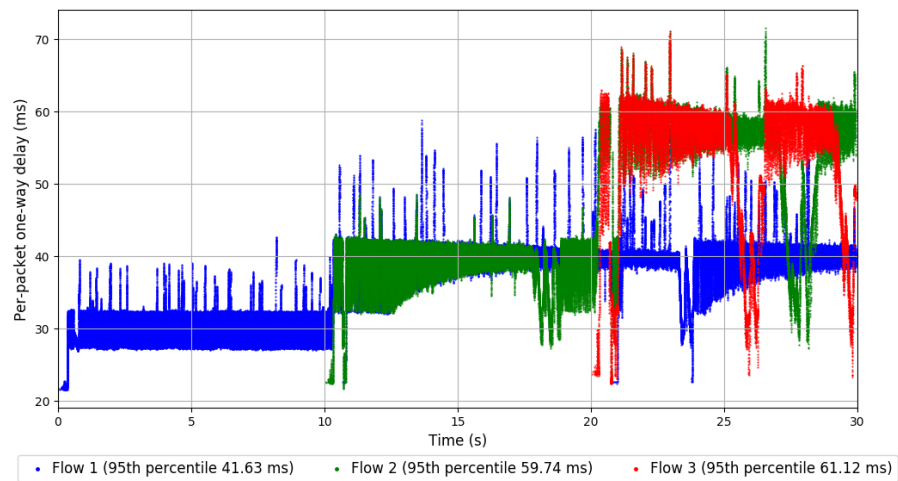
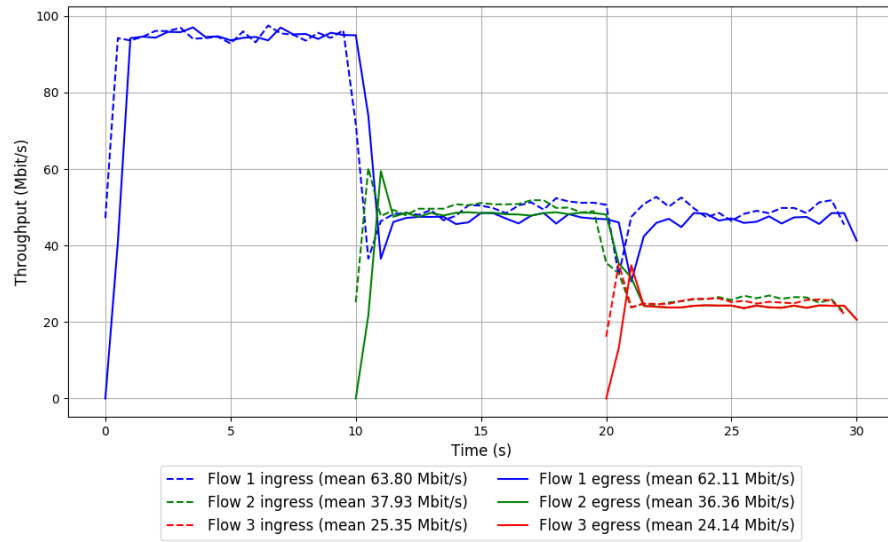


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 12:28:42
End at: 2018-07-04 12:29:12
Local clock offset: -0.783 ms
Remote clock offset: -4.631 ms

Below is generated by plot.py at 2018-07-04 14:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 41.626 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 59.741 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 61.122 ms
Loss rate: 5.09%

Run 5: Report of FillP-Sheep — Data Link

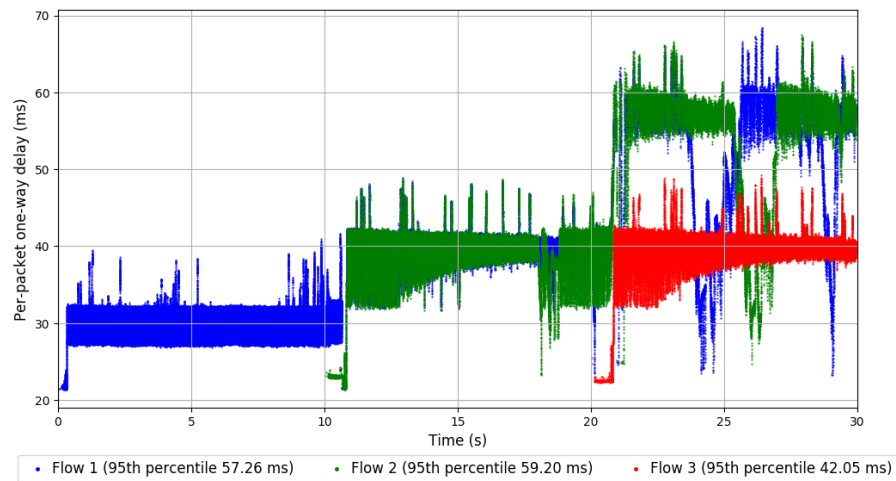
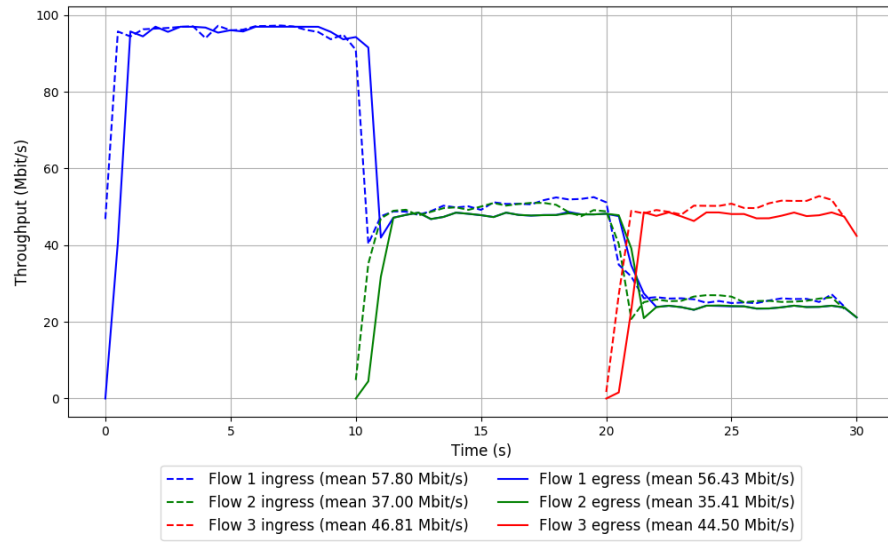


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 12:49:14
End at: 2018-07-04 12:49:44
Local clock offset: -0.793 ms
Remote clock offset: -7.959 ms

Below is generated by plot.py at 2018-07-04 14:29:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 57.913 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 57.258 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 59.198 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 42.048 ms
Loss rate: 5.35%

Run 6: Report of FillP-Sheep — Data Link

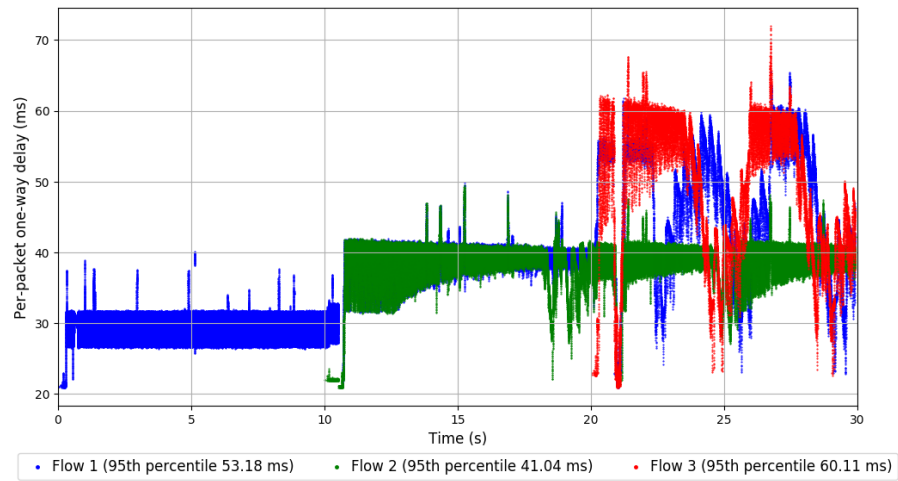
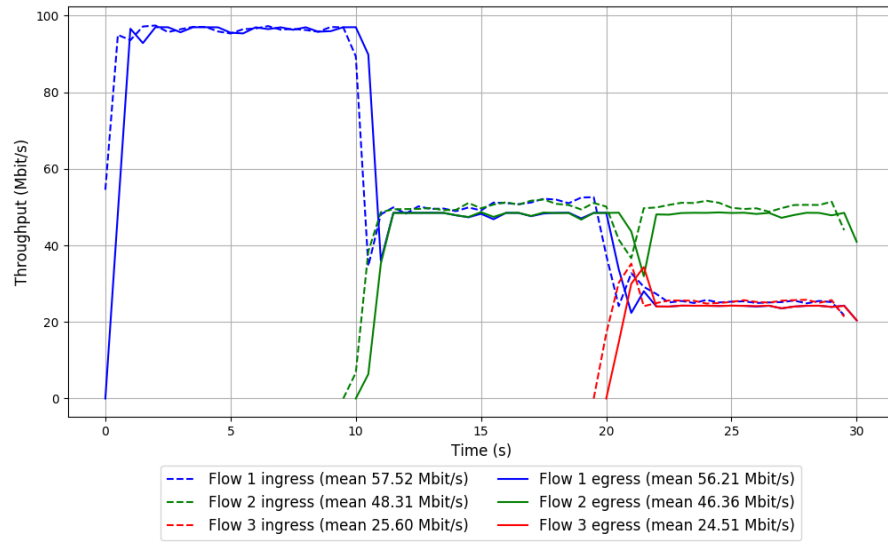


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 13:10:00
End at: 2018-07-04 13:10:30
Local clock offset: 2.027 ms
Remote clock offset: -9.487 ms

Below is generated by plot.py at 2018-07-04 14:29:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 54.804 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 53.181 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 41.037 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 60.110 ms
Loss rate: 4.51%

Run 7: Report of FillP-Sheep — Data Link

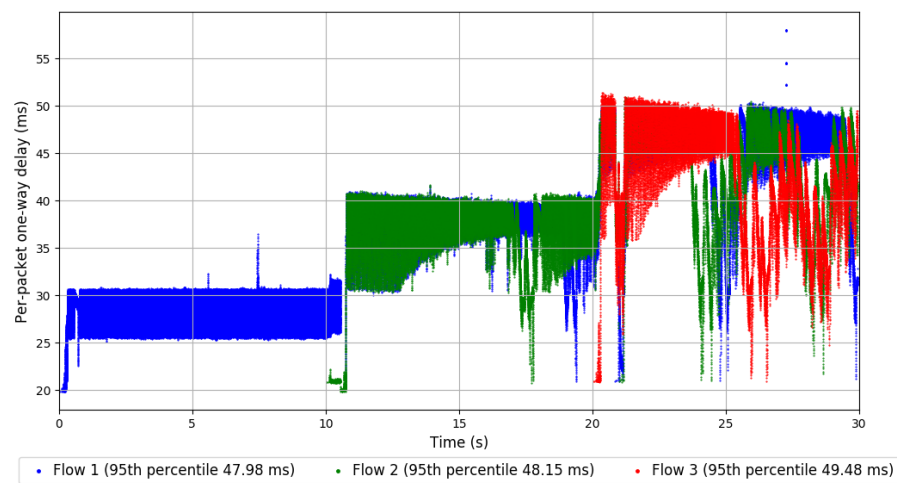
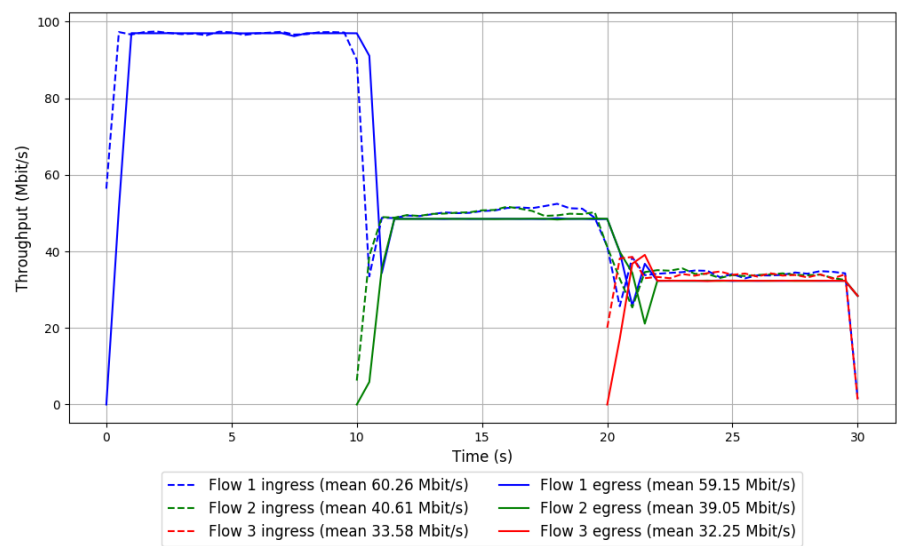


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 13:30:29
End at: 2018-07-04 13:30:59
Local clock offset: 0.081 ms
Remote clock offset: -10.153 ms

Below is generated by plot.py at 2018-07-04 14:29:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 48.338 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 47.975 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 48.148 ms
Loss rate: 4.14%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 4.89%

Run 8: Report of FillP-Sheep — Data Link

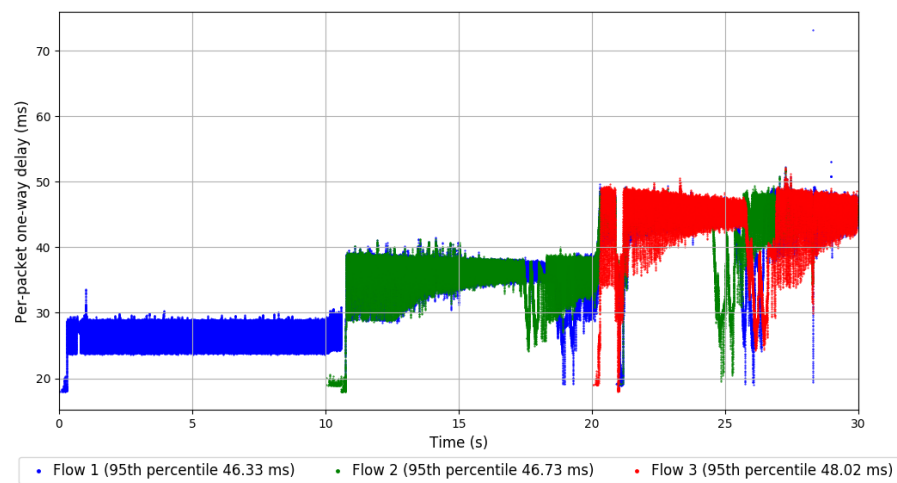
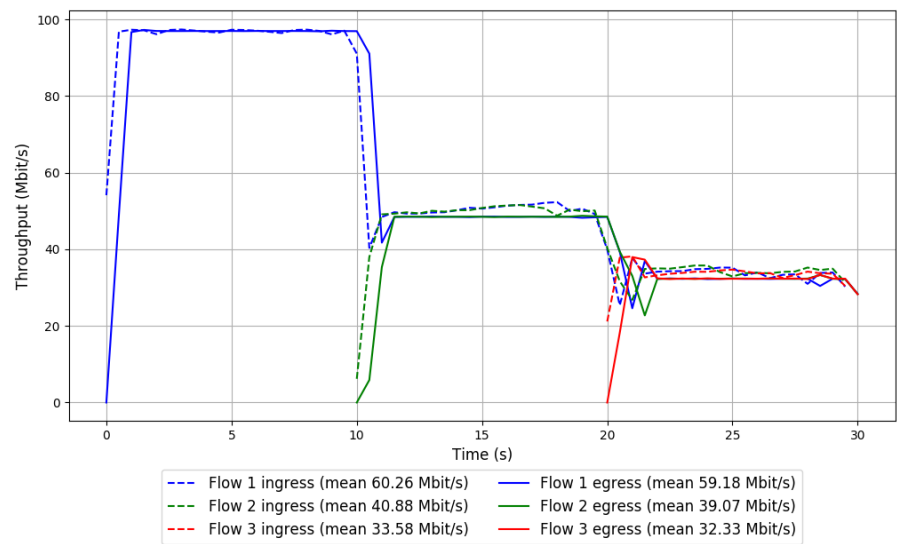


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 13:50:59
End at: 2018-07-04 13:51:29
Local clock offset: 1.097 ms
Remote clock offset: -5.931 ms

Below is generated by plot.py at 2018-07-04 14:30:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 46.934 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 46.732 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 48.023 ms
Loss rate: 4.12%

Run 9: Report of FillP-Sheep — Data Link

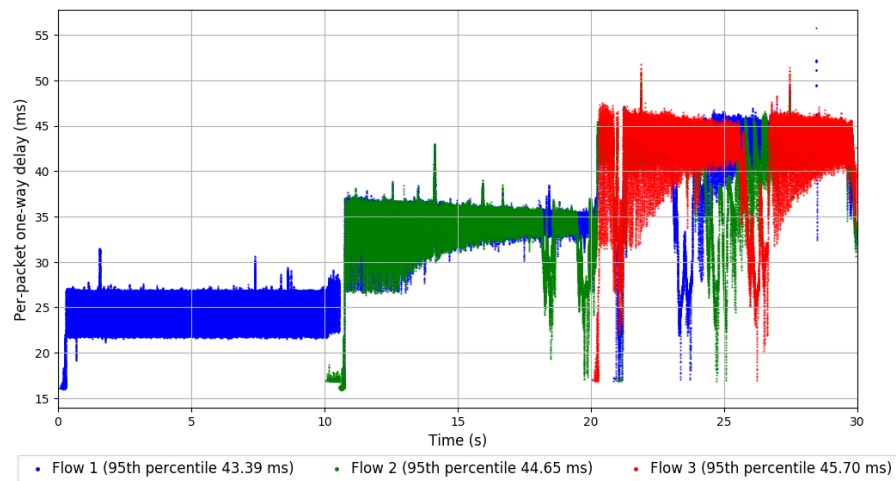
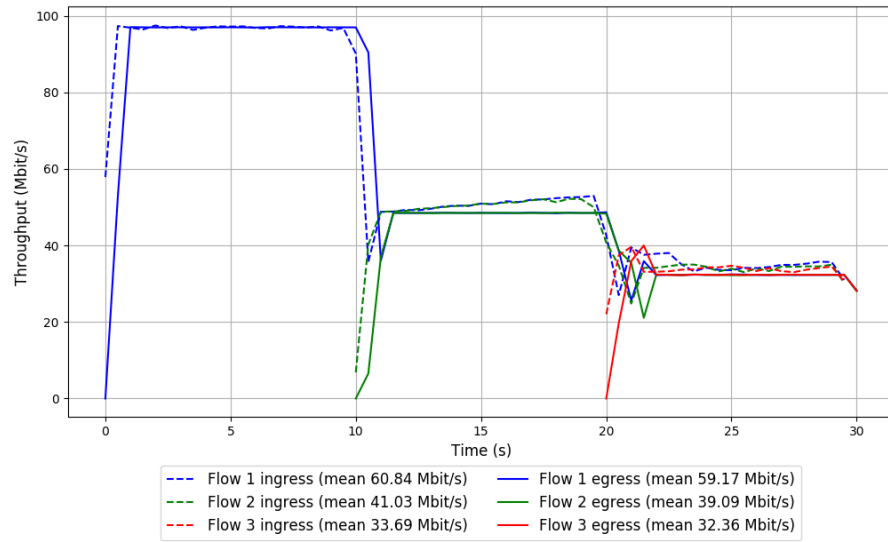


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 14:12:50
End at: 2018-07-04 14:13:20
Local clock offset: -0.442 ms
Remote clock offset: -8.153 ms

Below is generated by plot.py at 2018-07-04 14:30:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 44.592 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 43.392 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 44.653 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 45.699 ms
Loss rate: 4.32%

Run 10: Report of FillP-Sheep — Data Link

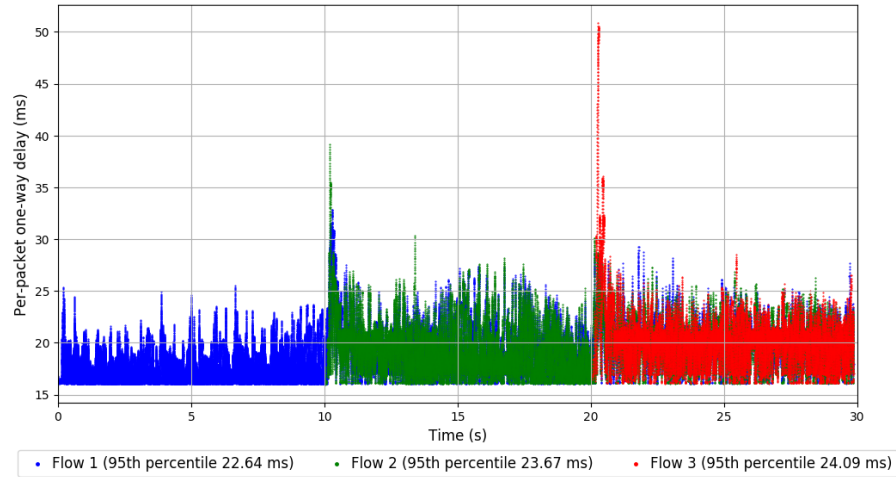
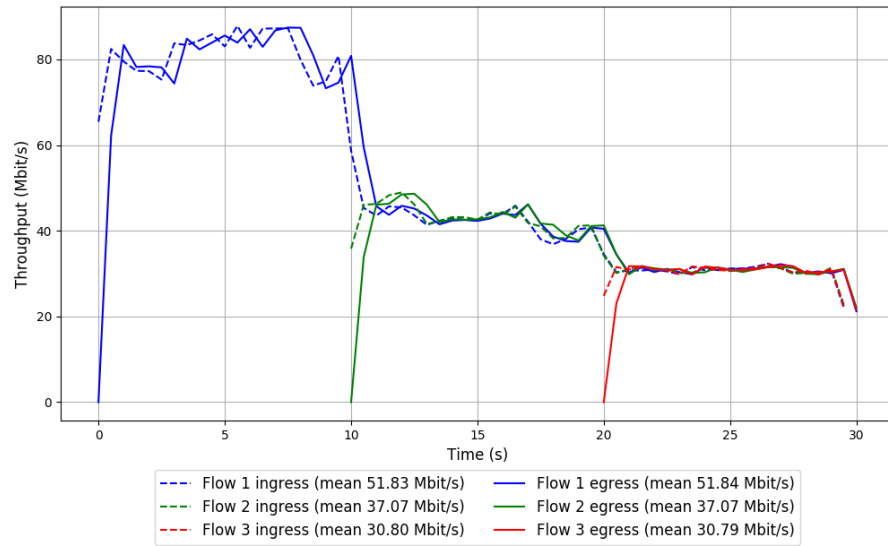


```
Run 1: Statistics of Indigo

Start at: 2018-07-04 11:03:36
End at: 2018-07-04 11:04:06
Local clock offset: -3.487 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2018-07-04 14:30:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 23.194 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 22.641 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 23.670 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 24.093 ms
Loss rate: 0.31%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-04 11:23:58

End at: 2018-07-04 11:24:28

Local clock offset: 2.236 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-07-04 14:30:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 27.434 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 26.586 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 28.183 ms

Loss rate: 0.11%

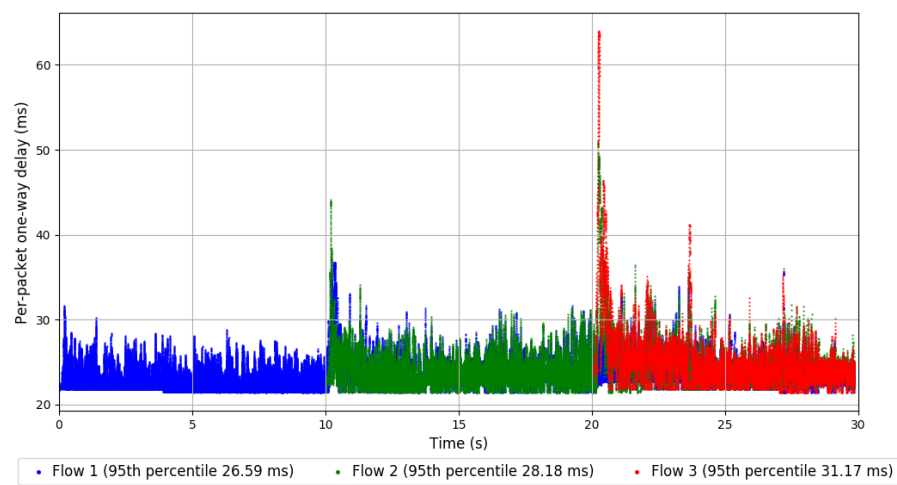
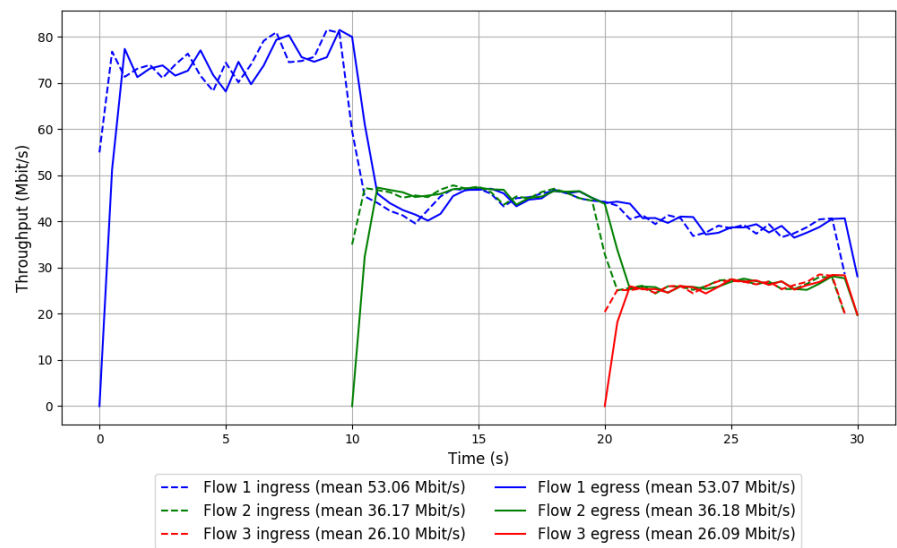
-- Flow 3:

Average throughput: 26.09 Mbit/s

95th percentile per-packet one-way delay: 31.174 ms

Loss rate: 0.33%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-04 11:44:50

End at: 2018-07-04 11:45:20

Local clock offset: 3.057 ms

Remote clock offset: 4.049 ms

Below is generated by plot.py at 2018-07-04 14:30:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.80 Mbit/s

95th percentile per-packet one-way delay: 30.693 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 29.419 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 31.093 ms

Loss rate: 0.15%

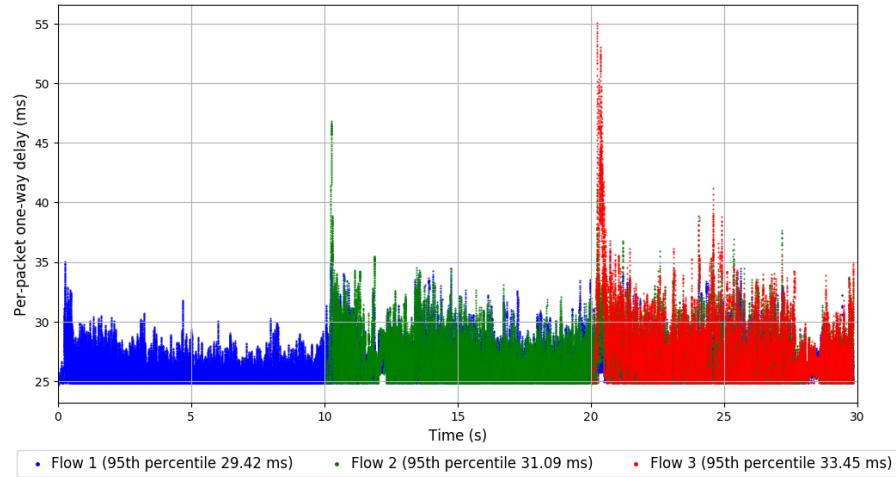
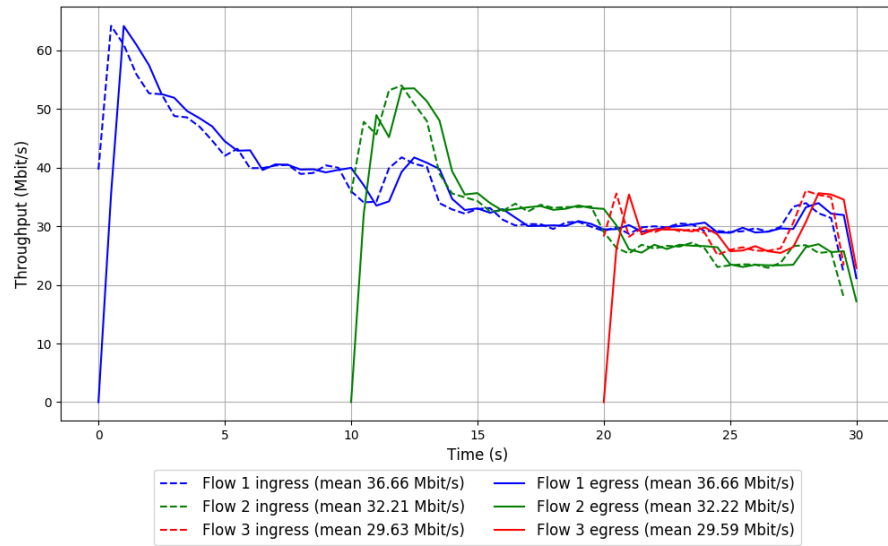
-- Flow 3:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 33.454 ms

Loss rate: 0.45%

Run 3: Report of Indigo — Data Link

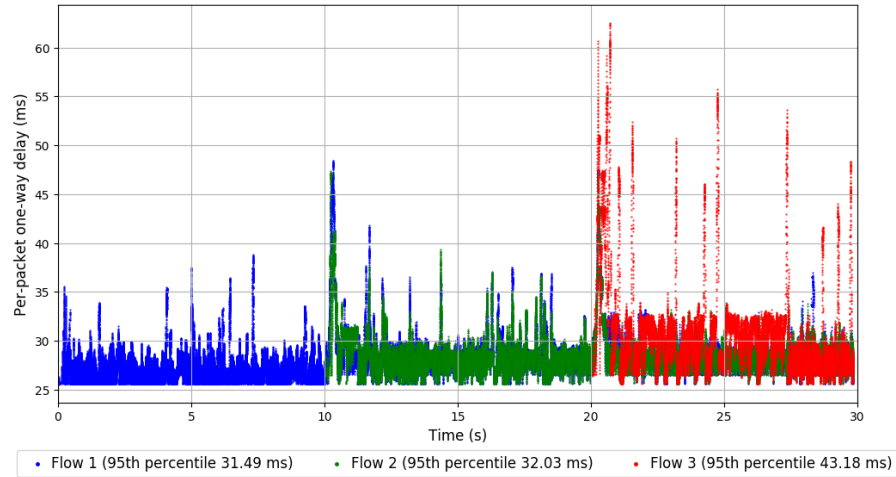
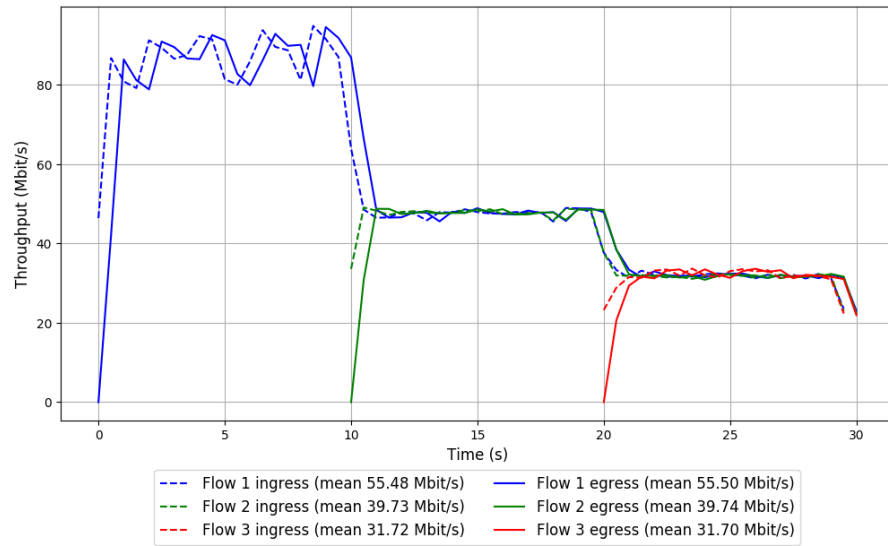


Run 4: Statistics of Indigo

Start at: 2018-07-04 12:05:30
End at: 2018-07-04 12:06:00
Local clock offset: 3.094 ms
Remote clock offset: -3.246 ms

Below is generated by plot.py at 2018-07-04 14:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 32.354 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 31.487 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 43.184 ms
Loss rate: 0.38%

Run 4: Report of Indigo — Data Link

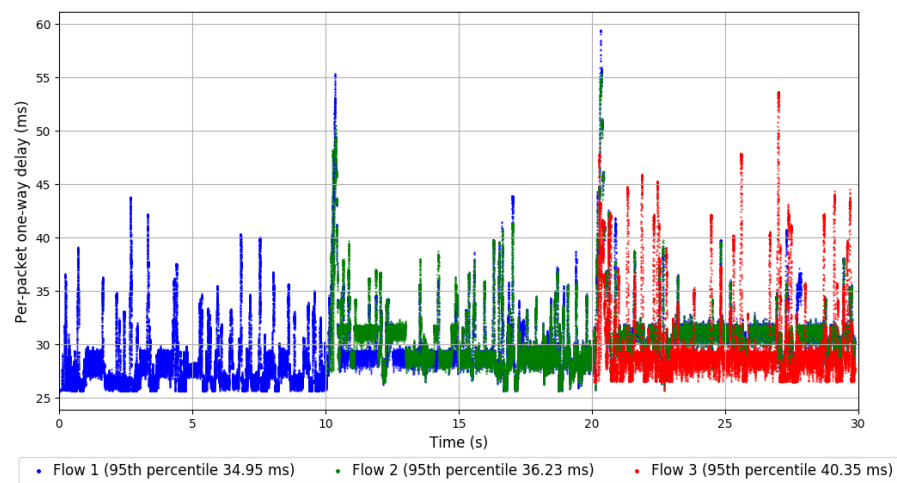
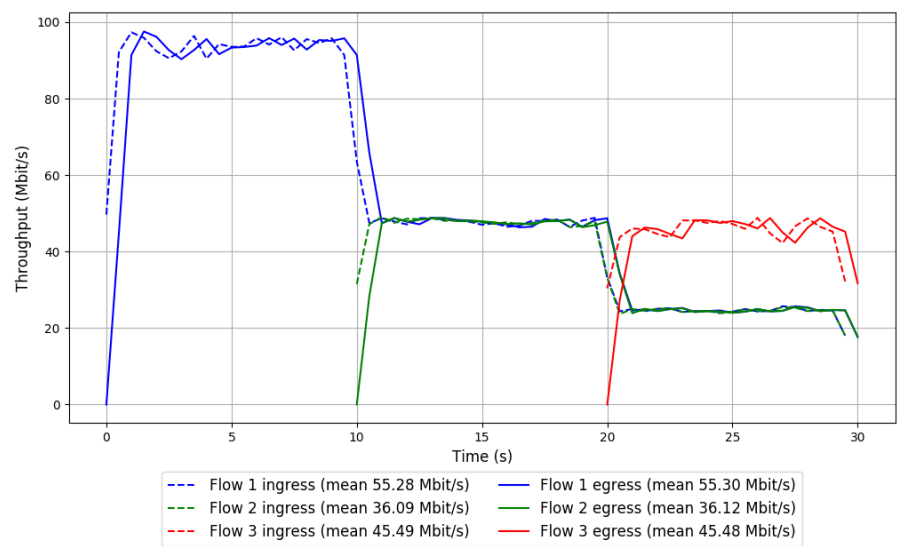


Run 5: Statistics of Indigo

Start at: 2018-07-04 12:26:19
End at: 2018-07-04 12:26:49
Local clock offset: 1.637 ms
Remote clock offset: -5.788 ms

Below is generated by plot.py at 2018-07-04 14:30:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 35.950 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.30 Mbit/s
95th percentile per-packet one-way delay: 34.953 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 36.233 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 40.347 ms
Loss rate: 0.36%

Run 5: Report of Indigo — Data Link

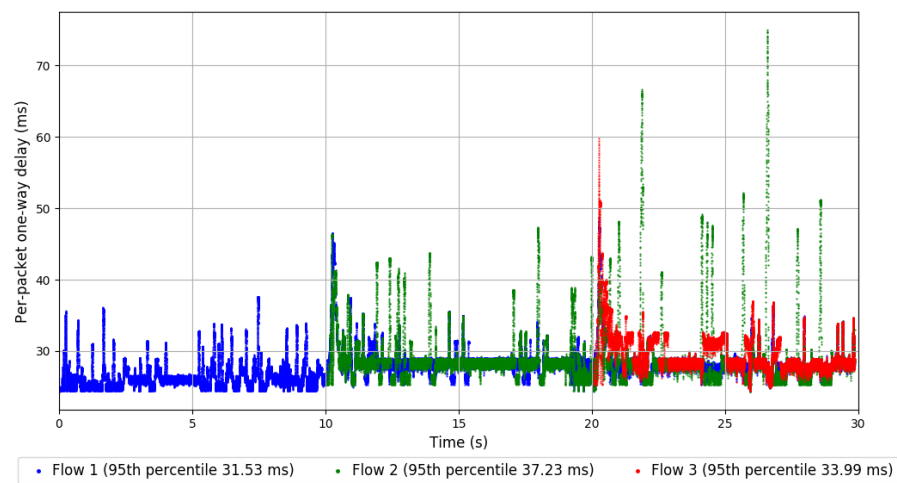
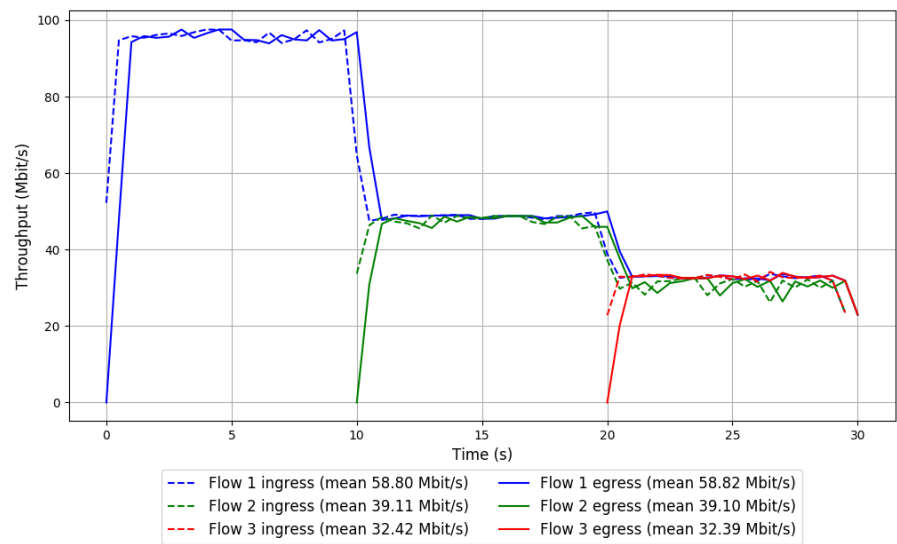


Run 6: Statistics of Indigo

Start at: 2018-07-04 12:46:53
End at: 2018-07-04 12:47:23
Local clock offset: 2.249 ms
Remote clock offset: -7.519 ms

Below is generated by plot.py at 2018-07-04 14:30:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 32.694 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 31.533 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 37.229 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 33.987 ms
Loss rate: 0.42%

Run 6: Report of Indigo — Data Link

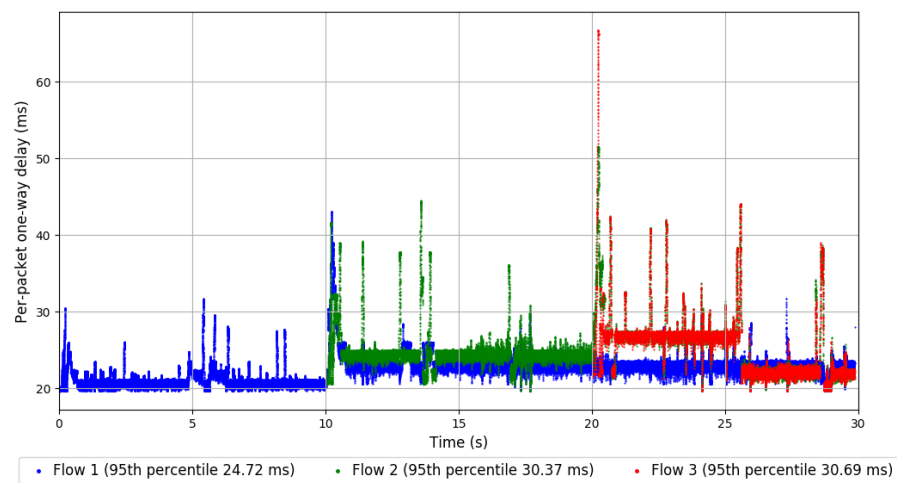
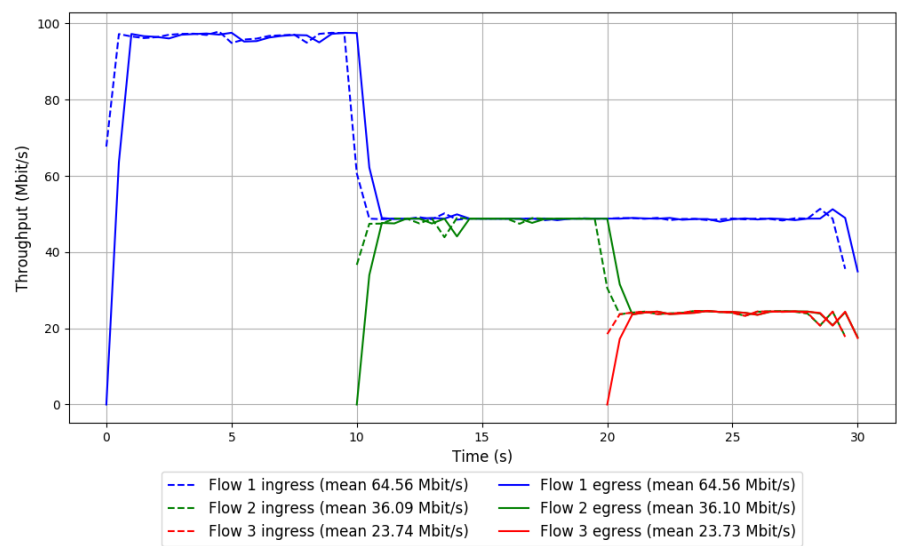


Run 7: Statistics of Indigo

Start at: 2018-07-04 13:07:42
End at: 2018-07-04 13:08:12
Local clock offset: 0.583 ms
Remote clock offset: -9.622 ms

Below is generated by plot.py at 2018-07-04 14:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 27.225 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 24.717 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 30.373 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 30.690 ms
Loss rate: 0.34%

Run 7: Report of Indigo — Data Link

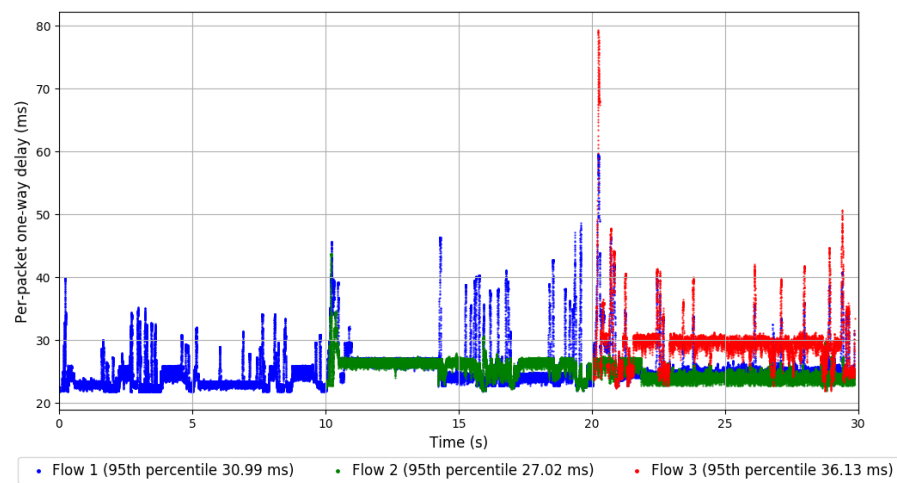
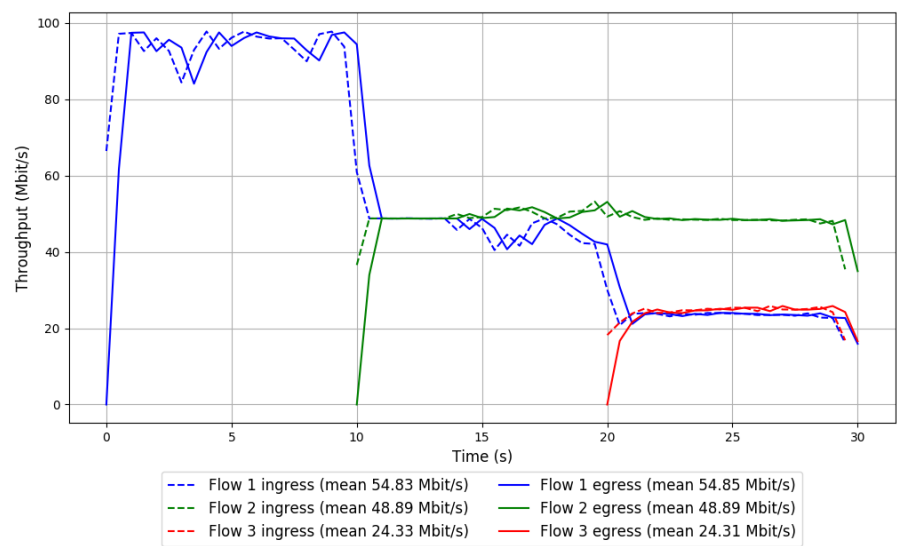


Run 8: Statistics of Indigo

Start at: 2018-07-04 13:28:11
End at: 2018-07-04 13:28:41
Local clock offset: 2.647 ms
Remote clock offset: -9.447 ms

Below is generated by plot.py at 2018-07-04 14:30:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 30.419 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 27.016 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 36.127 ms
Loss rate: 0.36%

Run 8: Report of Indigo — Data Link

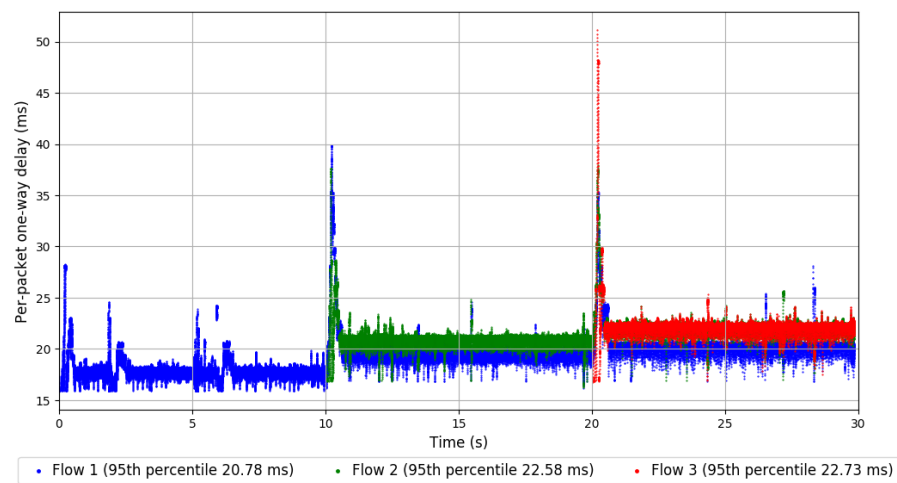
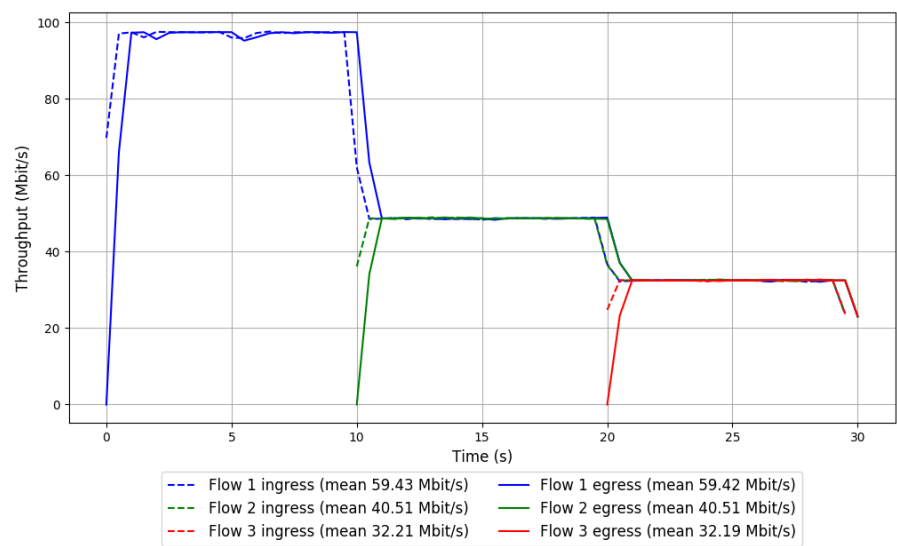


Run 9: Statistics of Indigo

Start at: 2018-07-04 13:48:36
End at: 2018-07-04 13:49:06
Local clock offset: -1.144 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2018-07-04 14:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 22.468 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 20.776 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 22.582 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 22.726 ms
Loss rate: 0.34%

Run 9: Report of Indigo — Data Link

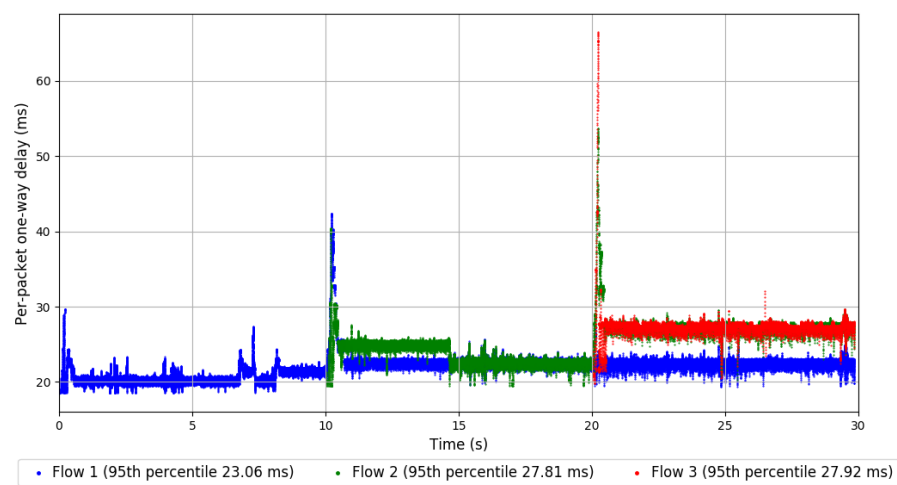
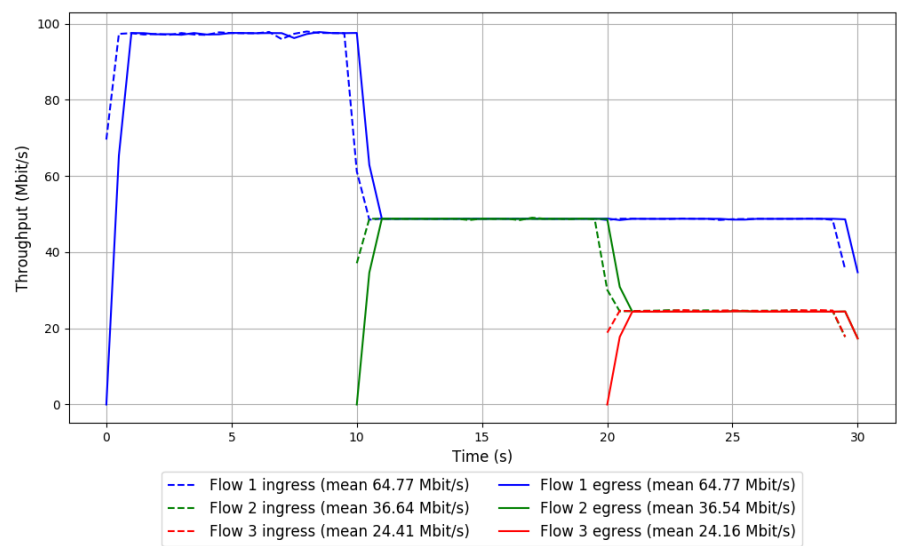


Run 10: Statistics of Indigo

Start at: 2018-07-04 14:10:28
End at: 2018-07-04 14:10:58
Local clock offset: 2.684 ms
Remote clock offset: -7.257 ms

Below is generated by plot.py at 2018-07-04 14:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 27.653 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 23.060 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 27.814 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 27.920 ms
Loss rate: 1.29%

Run 10: Report of Indigo — Data Link

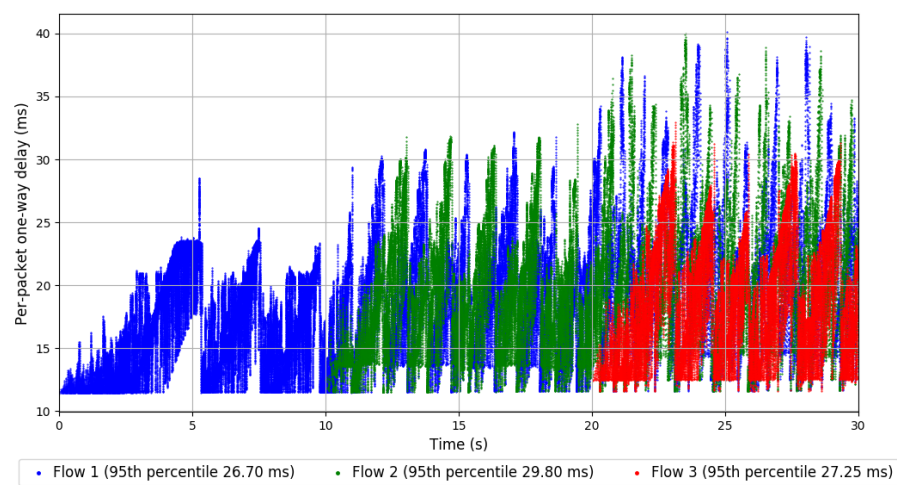
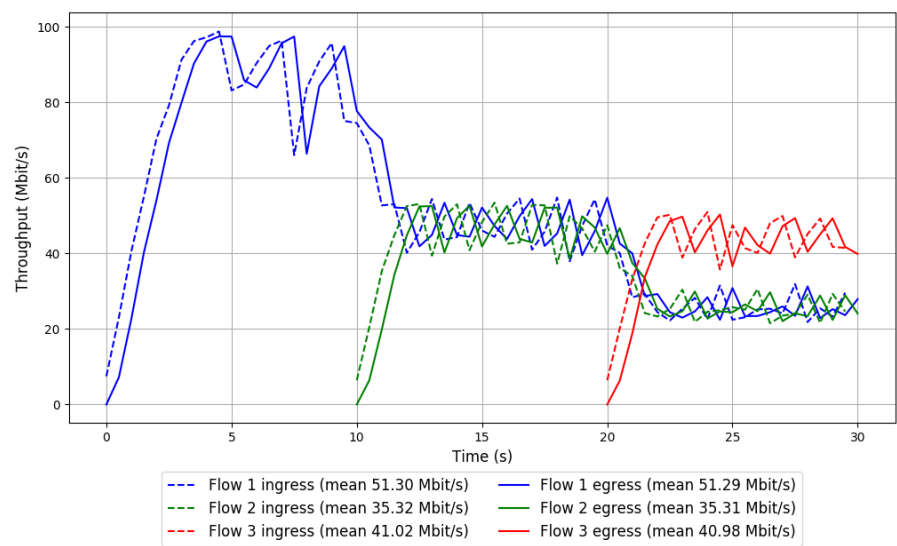


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-04 10:54:04
End at: 2018-07-04 10:54:34
Local clock offset: -2.952 ms
Remote clock offset: 3.031 ms

# Below is generated by plot.py at 2018-07-04 14:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 27.974 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 29.799 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 27.253 ms
Loss rate: 0.37%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-04 11:14:25

End at: 2018-07-04 11:14:55

Local clock offset: 0.155 ms

Remote clock offset: 2.691 ms

Below is generated by plot.py at 2018-07-04 14:31:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 30.307 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 30.011 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 34.49 Mbit/s

95th percentile per-packet one-way delay: 31.813 ms

Loss rate: 0.13%

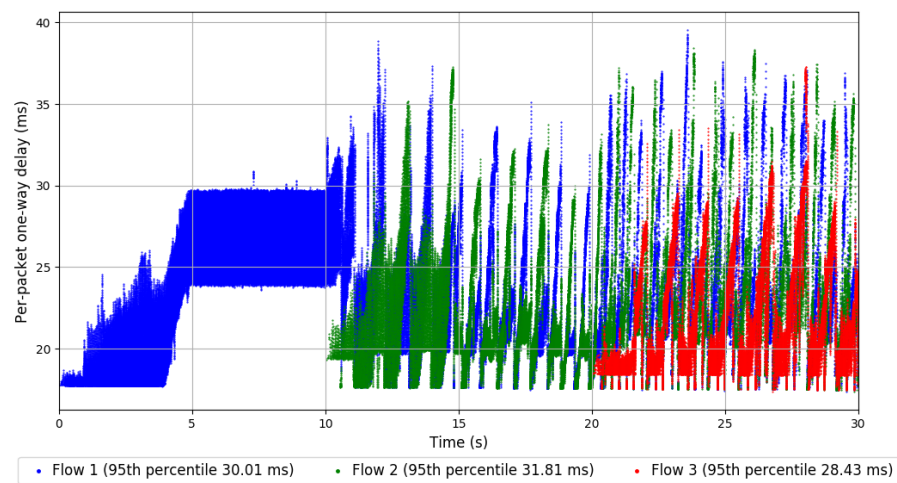
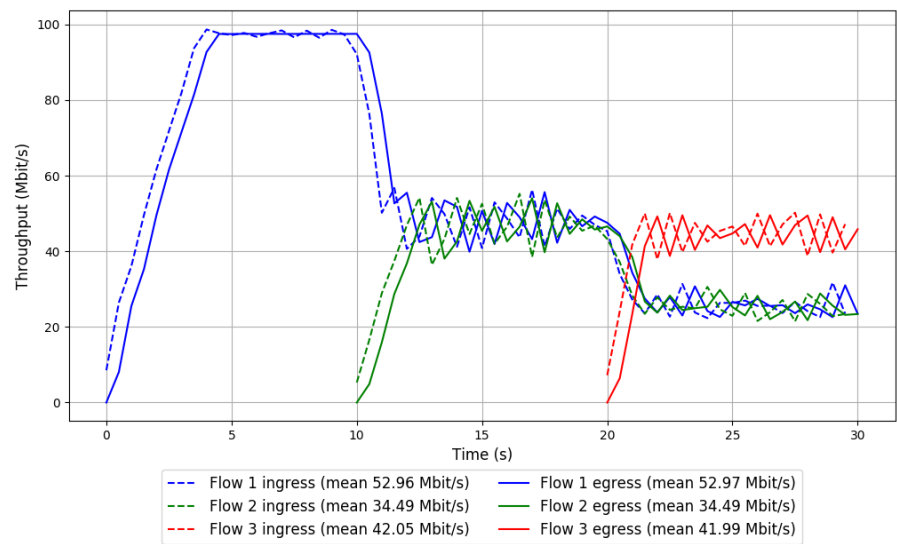
-- Flow 3:

Average throughput: 41.99 Mbit/s

95th percentile per-packet one-way delay: 28.426 ms

Loss rate: 0.39%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-04 11:35:03

End at: 2018-07-04 11:35:33

Local clock offset: 1.699 ms

Remote clock offset: 3.103 ms

Below is generated by plot.py at 2018-07-04 14:31:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 47.306 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 49.92 Mbit/s

95th percentile per-packet one-way delay: 45.377 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 49.399 ms

Loss rate: 0.19%

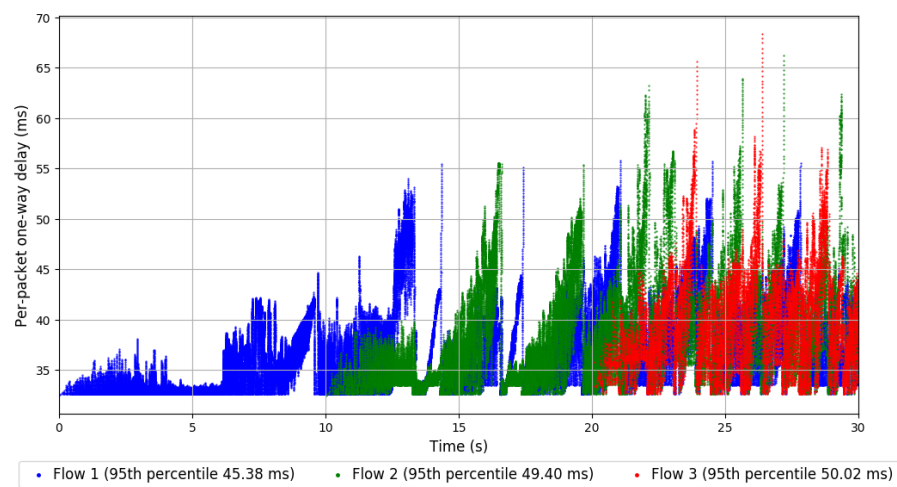
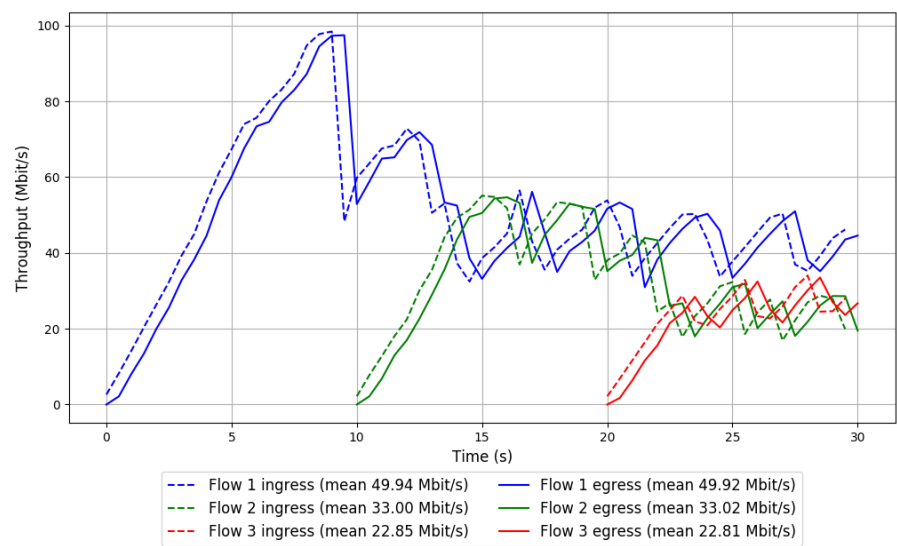
-- Flow 3:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 50.025 ms

Loss rate: 0.68%

Run 3: Report of LEDBAT — Data Link

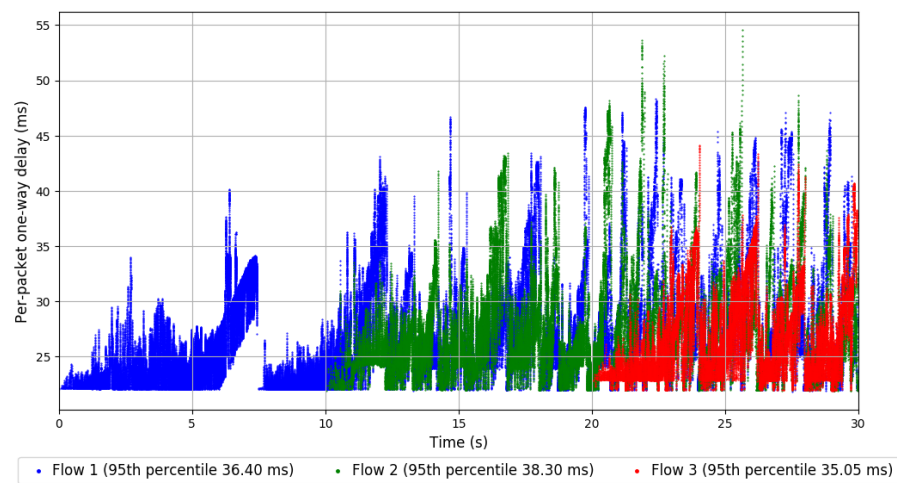
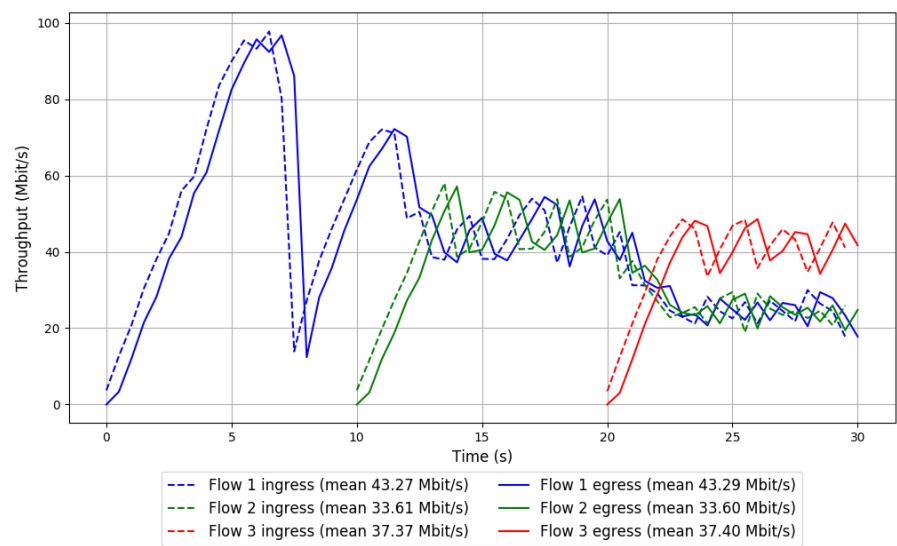


Run 4: Statistics of LEDBAT

Start at: 2018-07-04 11:55:59
End at: 2018-07-04 11:56:29
Local clock offset: 0.496 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-07-04 14:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 36.433 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 36.401 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 38.304 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 35.049 ms
Loss rate: 0.32%

Run 4: Report of LEDBAT — Data Link

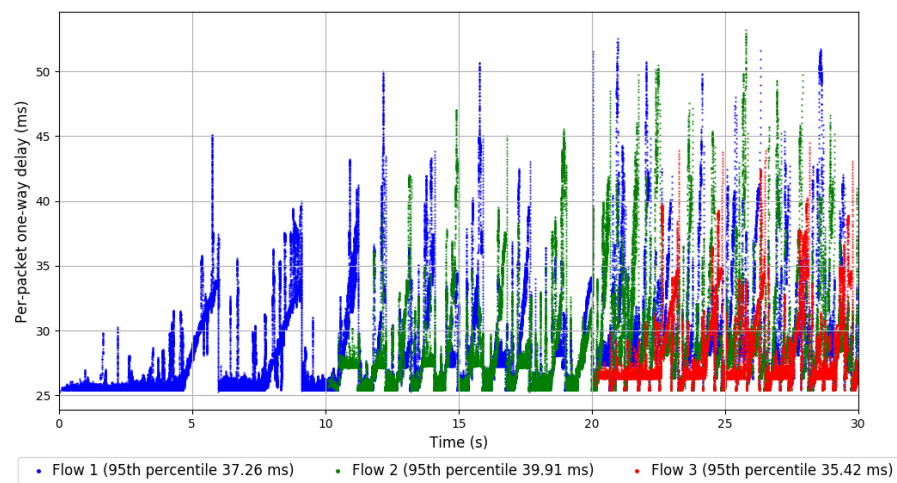
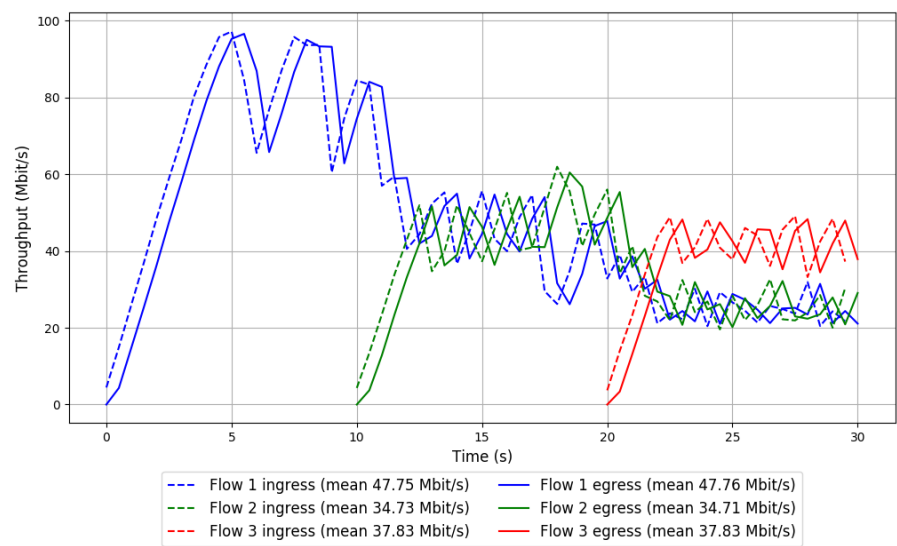


Run 5: Statistics of LEDBAT

Start at: 2018-07-04 12:16:48
End at: 2018-07-04 12:17:18
Local clock offset: 2.502 ms
Remote clock offset: -3.661 ms

Below is generated by plot.py at 2018-07-04 14:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 37.601 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 37.255 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 39.907 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 35.418 ms
Loss rate: 0.34%

Run 5: Report of LEDBAT — Data Link

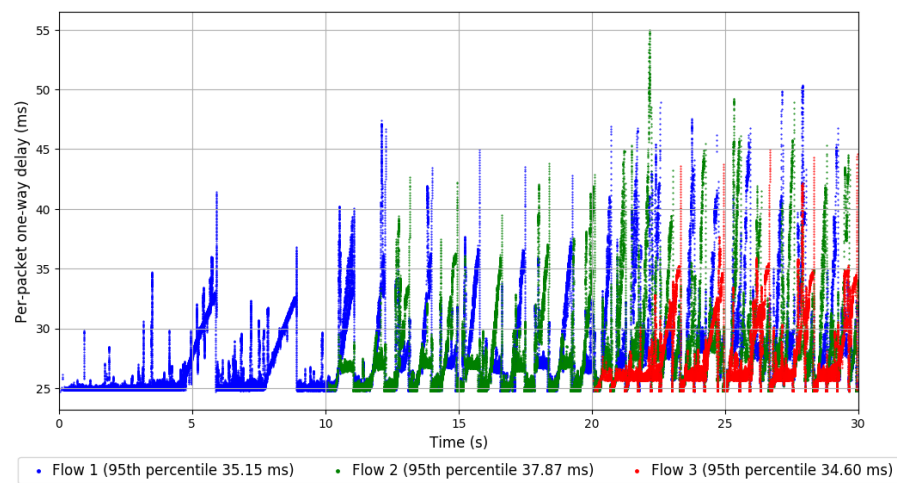
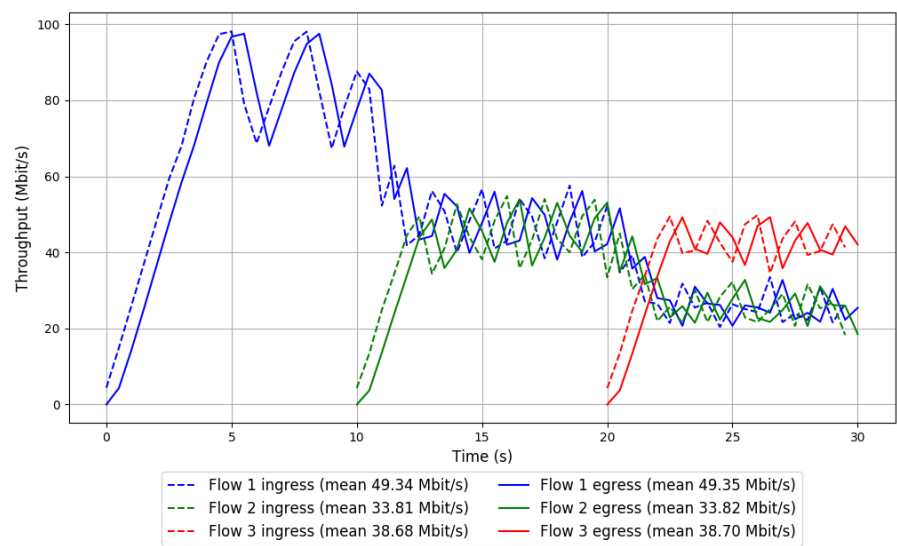


Run 6: Statistics of LEDBAT

Start at: 2018-07-04 12:37:26
End at: 2018-07-04 12:37:56
Local clock offset: 0.007 ms
Remote clock offset: -8.352 ms

Below is generated by plot.py at 2018-07-04 14:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 35.623 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 35.149 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 37.870 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 34.600 ms
Loss rate: 0.30%

Run 6: Report of LEDBAT — Data Link

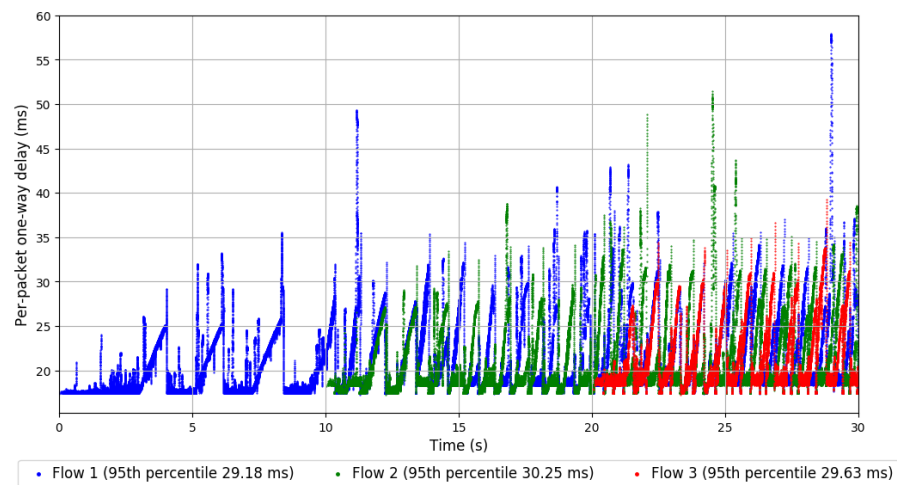
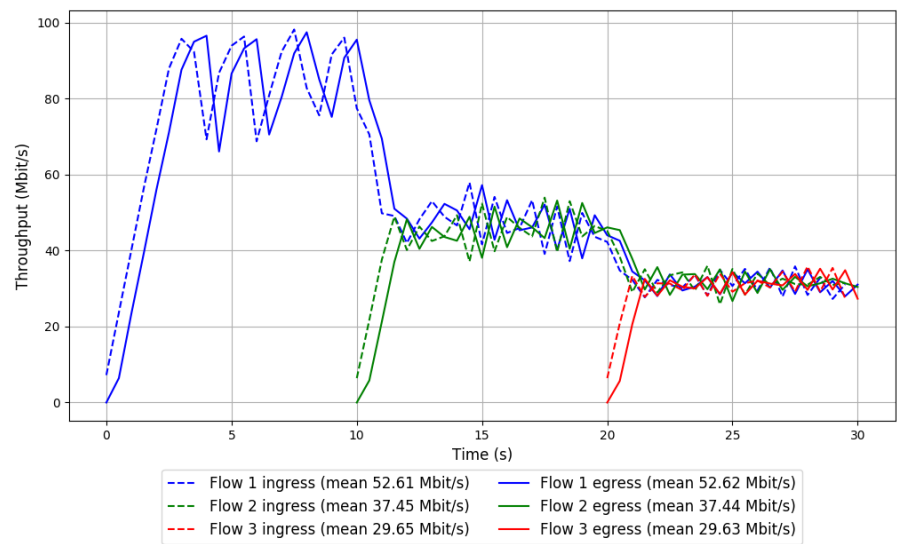


Run 7: Statistics of LEDBAT

Start at: 2018-07-04 12:58:19
End at: 2018-07-04 12:58:49
Local clock offset: -0.478 ms
Remote clock offset: -9.403 ms

Below is generated by plot.py at 2018-07-04 14:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 29.511 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.62 Mbit/s
95th percentile per-packet one-way delay: 29.181 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 30.255 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 29.630 ms
Loss rate: 0.36%

Run 7: Report of LEDBAT — Data Link

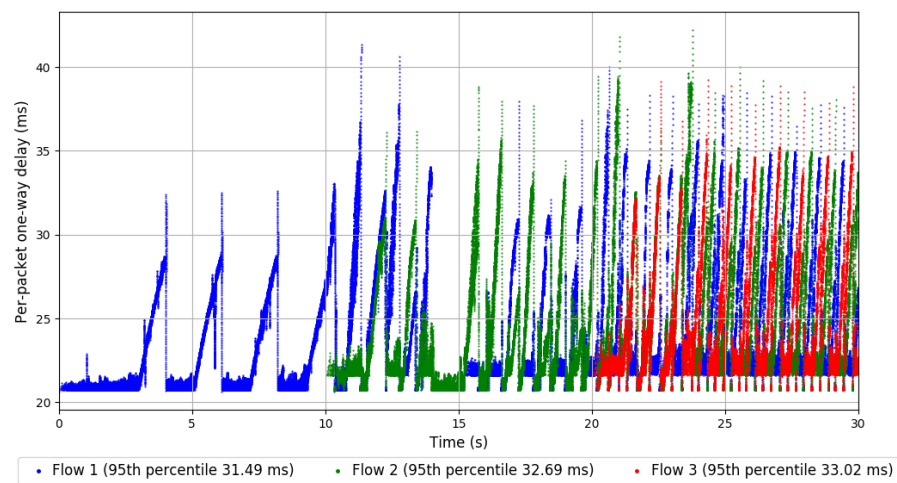
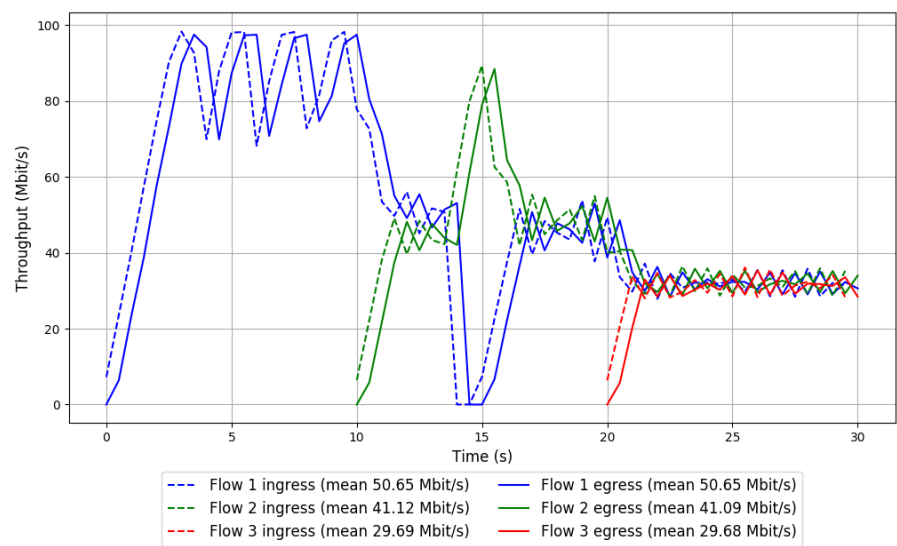


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 13:18:32
End at: 2018-07-04 13:19:02
Local clock offset: 1.564 ms
Remote clock offset: -9.421 ms

Below is generated by plot.py at 2018-07-04 14:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 32.280 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 31.488 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 0.32%

Run 8: Report of LEDBAT — Data Link

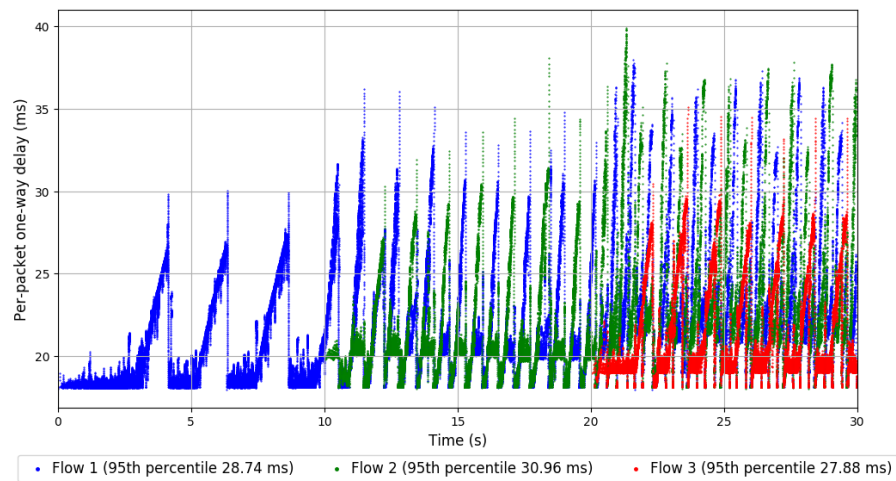
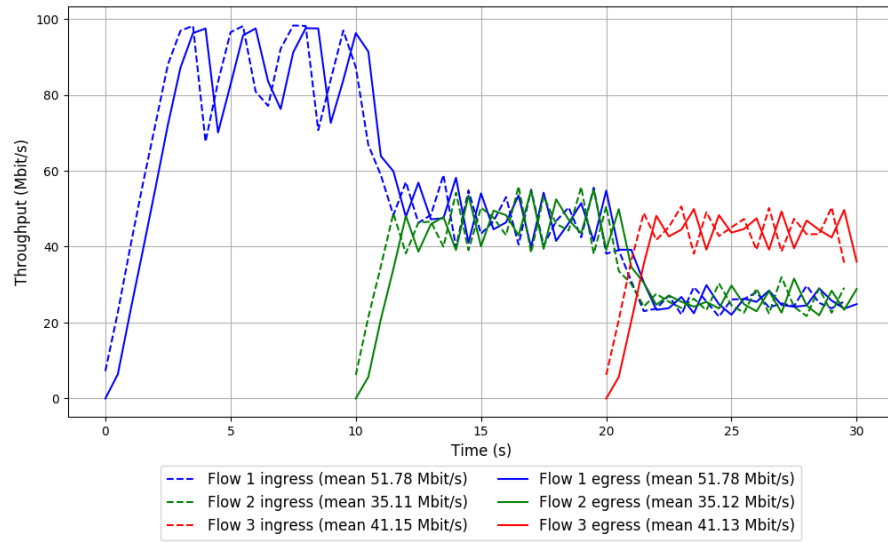


Run 9: Statistics of LEDBAT

Start at: 2018-07-04 13:39:07
End at: 2018-07-04 13:39:37
Local clock offset: -0.594 ms
Remote clock offset: -7.932 ms

Below is generated by plot.py at 2018-07-04 14:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 29.026 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 28.742 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 30.961 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 27.875 ms
Loss rate: 0.32%

Run 9: Report of LEDBAT — Data Link

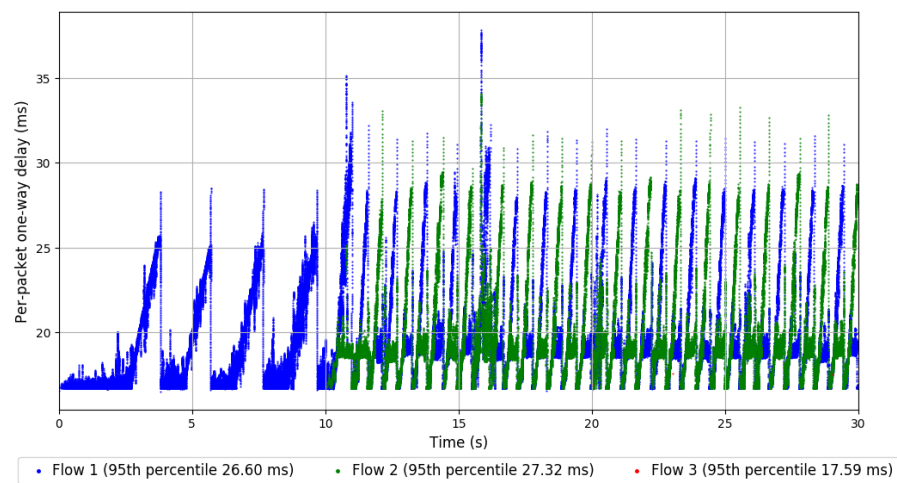
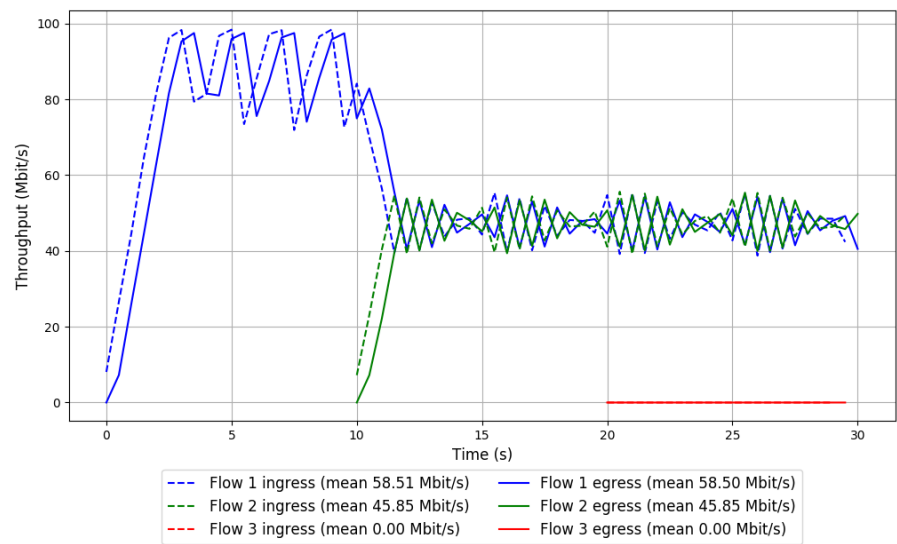


Run 10: Statistics of LEDBAT

Start at: 2018-07-04 14:00:18
End at: 2018-07-04 14:00:48
Local clock offset: 1.49 ms
Remote clock offset: -5.669 ms

Below is generated by plot.py at 2018-07-04 14:32:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 26.974 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 26.599 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 27.323 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.586 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

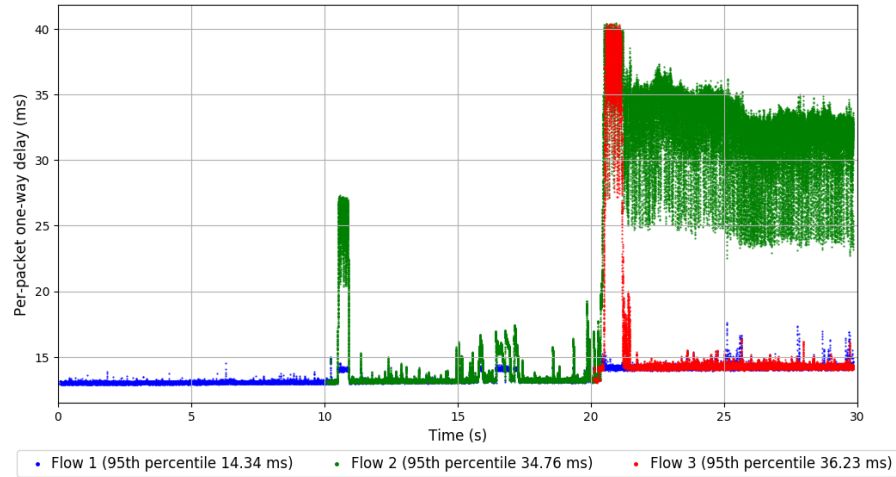
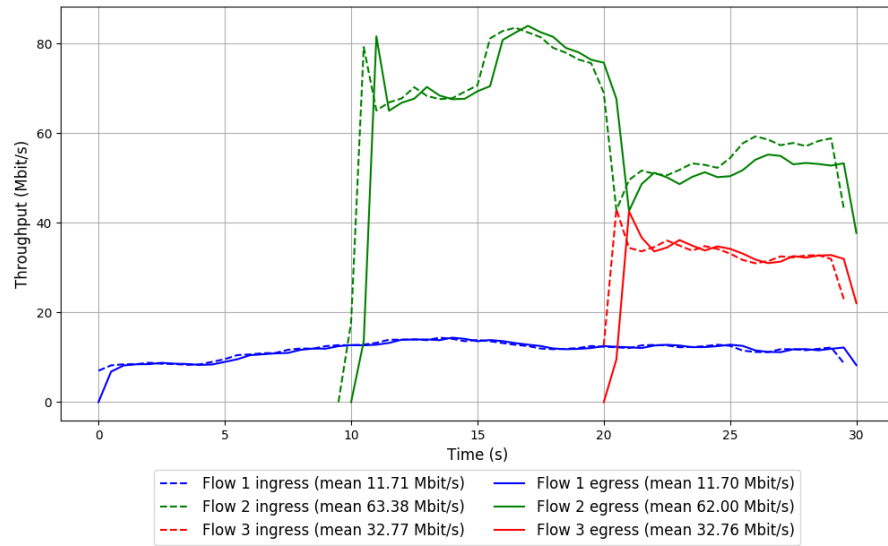


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 10:50:31
End at: 2018-07-04 10:51:01
Local clock offset: -2.387 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at 2018-07-04 14:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 34.463 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 14.336 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 34.760 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 36.226 ms
Loss rate: 0.34%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 11:10:49

End at: 2018-07-04 11:11:19

Local clock offset: -1.122 ms

Remote clock offset: 3.374 ms

Below is generated by plot.py at 2018-07-04 14:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 18.734 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 18.094 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 17.980 ms

Loss rate: 0.20%

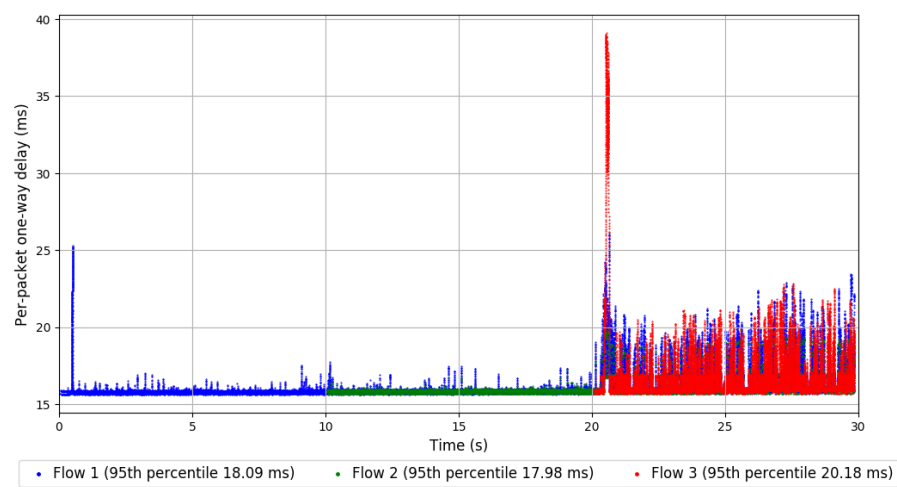
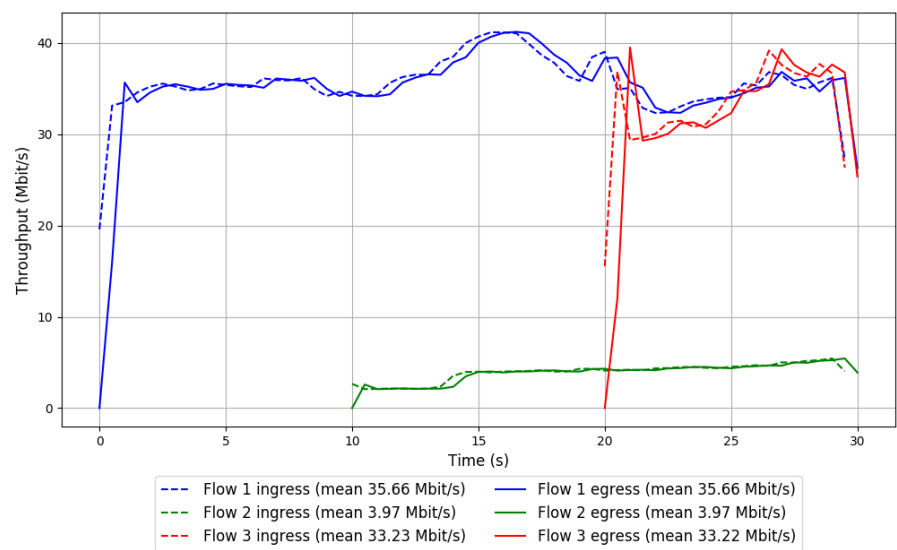
-- Flow 3:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 20.185 ms

Loss rate: 0.33%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 11:31:12

End at: 2018-07-04 11:31:42

Local clock offset: -0.139 ms

Remote clock offset: 2.642 ms

Below is generated by plot.py at 2018-07-04 14:32:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 46.729 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 47.198 ms

Loss rate: 2.45%

-- Flow 2:

Average throughput: 33.11 Mbit/s

95th percentile per-packet one-way delay: 29.538 ms

Loss rate: 0.20%

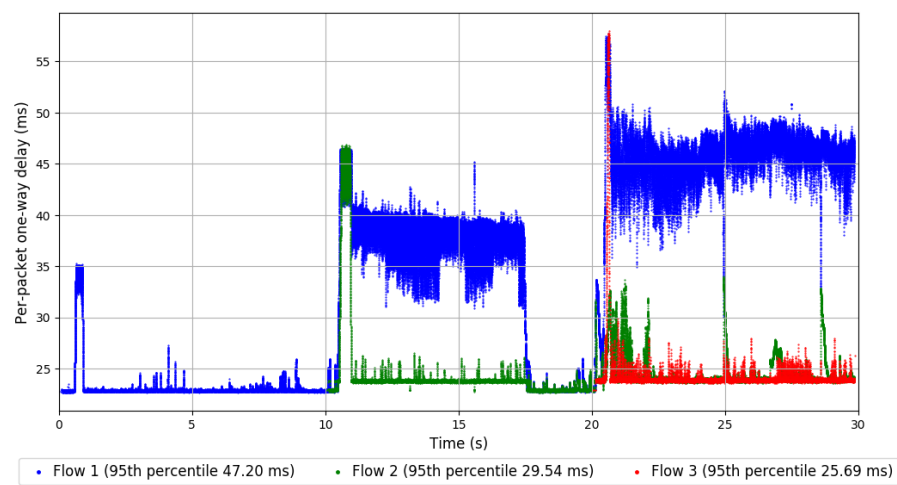
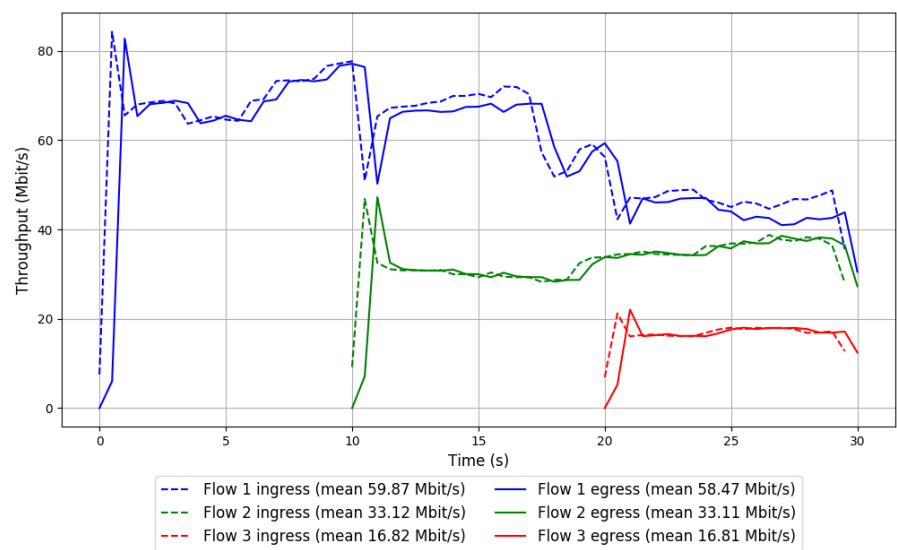
-- Flow 3:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 25.692 ms

Loss rate: 0.36%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 11:52:15

End at: 2018-07-04 11:52:45

Local clock offset: 3.344 ms

Remote clock offset: 1.35 ms

Below is generated by plot.py at 2018-07-04 14:32:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 24.776 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 24.787 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 57.30 Mbit/s

95th percentile per-packet one-way delay: 24.766 ms

Loss rate: 0.18%

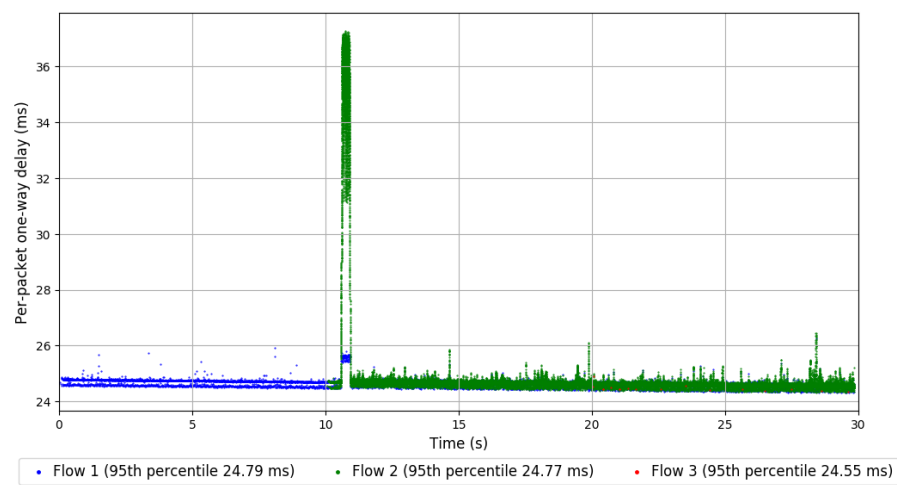
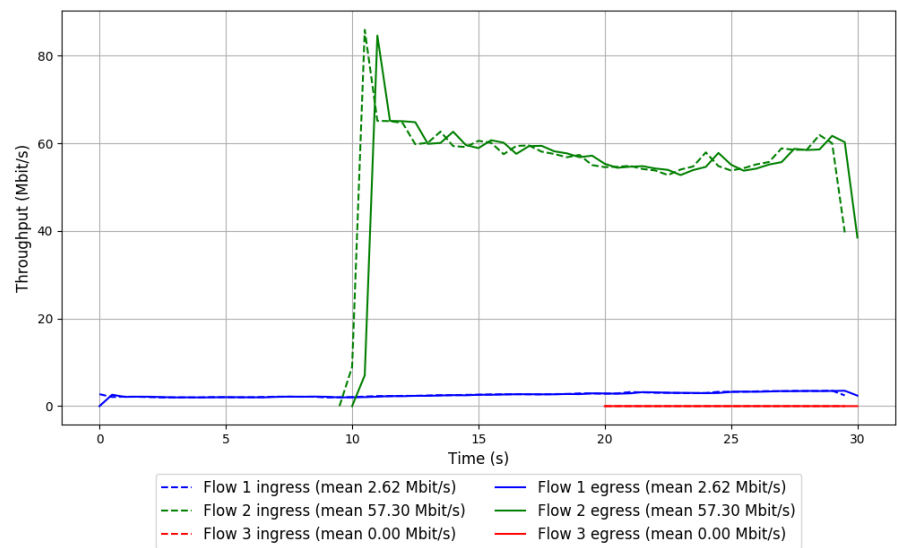
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 24.548 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

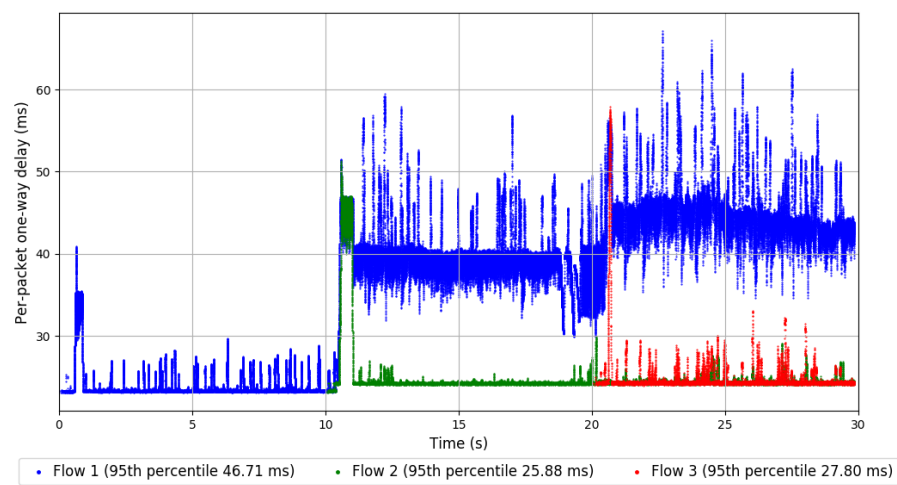
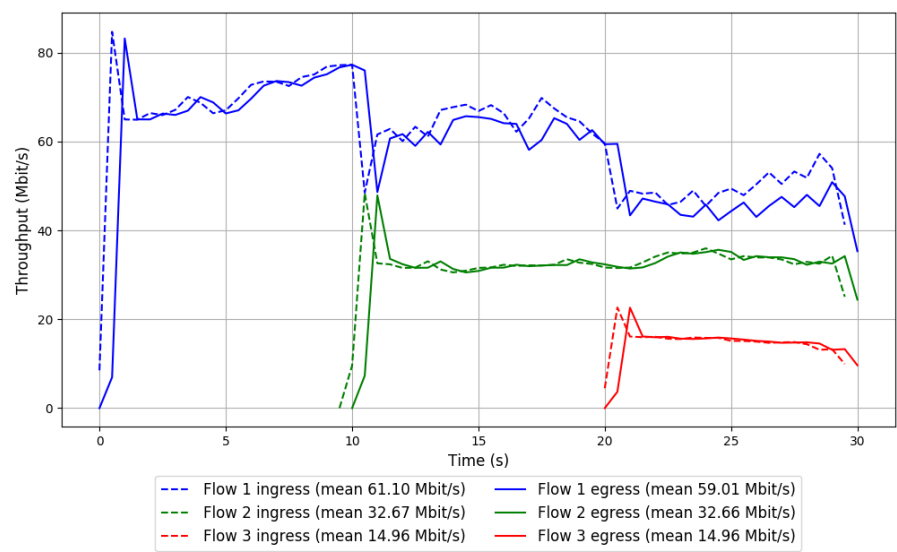


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 12:12:56
End at: 2018-07-04 12:13:26
Local clock offset: 0.791 ms
Remote clock offset: -3.237 ms

Below is generated by plot.py at 2018-07-04 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 45.938 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 46.706 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 25.884 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 27.804 ms
Loss rate: 0.32%

Run 5: Report of PCC-Allegro — Data Link

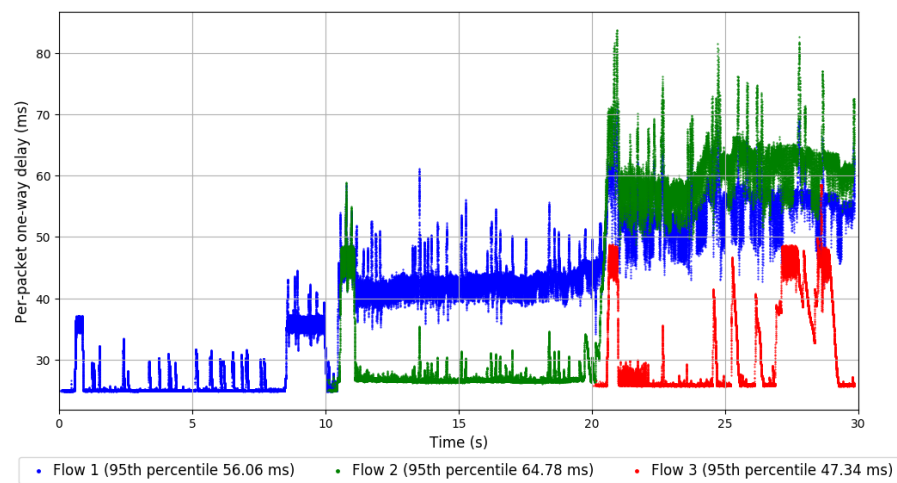
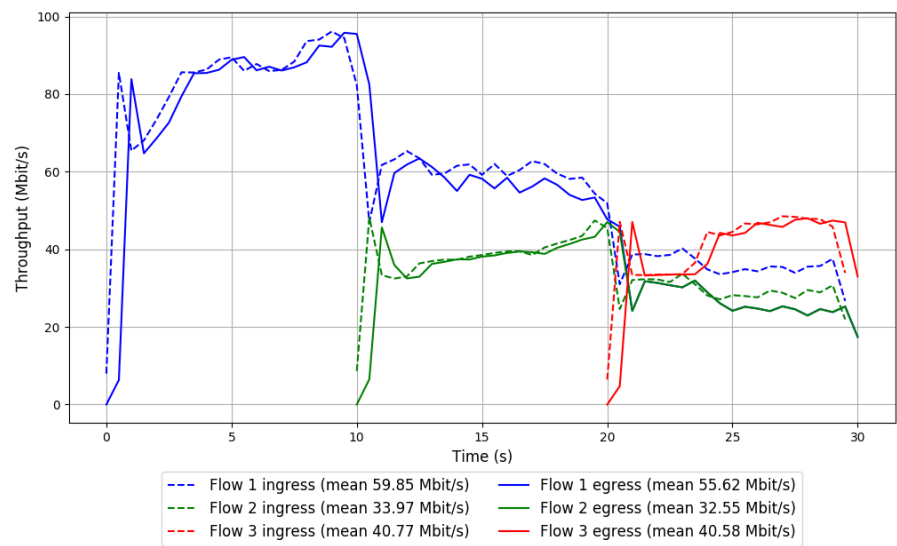


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 12:33:38
End at: 2018-07-04 12:34:08
Local clock offset: -1.364 ms
Remote clock offset: -9.201 ms

Below is generated by plot.py at 2018-07-04 14:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 60.576 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 56.058 ms
Loss rate: 7.20%
-- Flow 2:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 64.779 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 47.335 ms
Loss rate: 0.82%

Run 6: Report of PCC-Allegro — Data Link

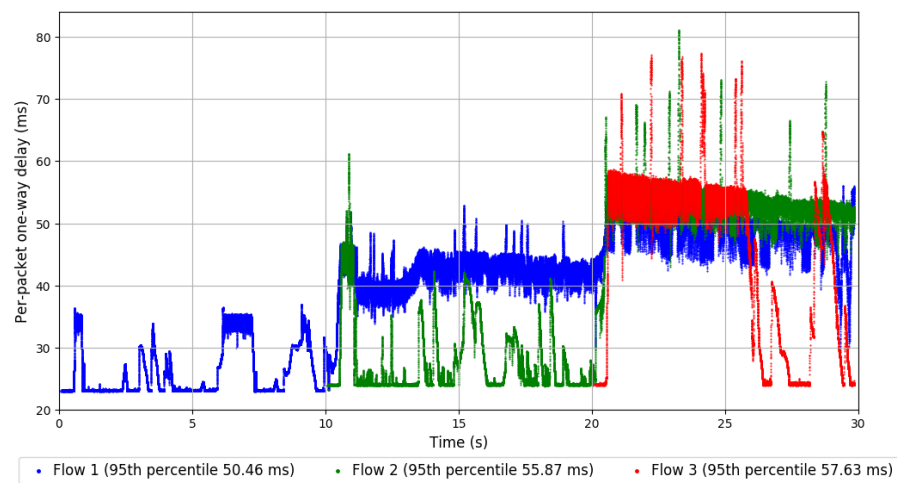
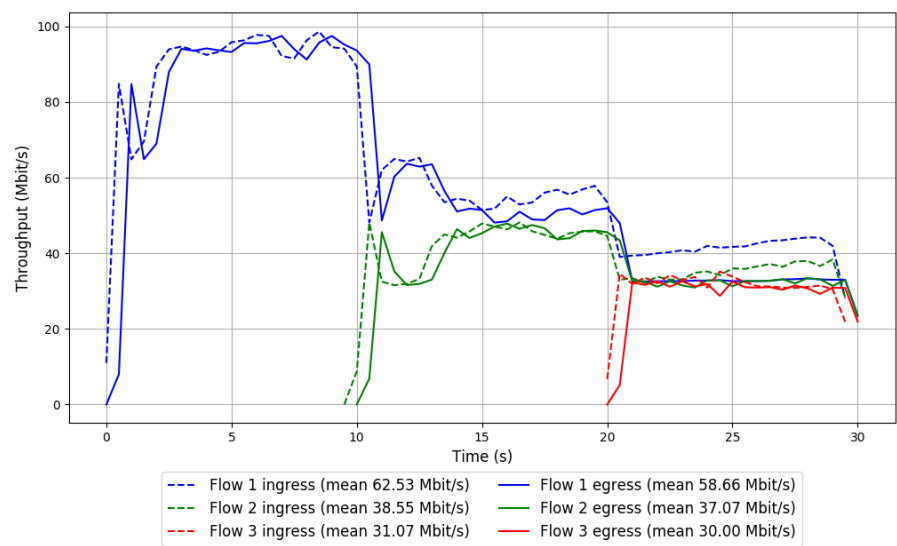


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 12:54:32
End at: 2018-07-04 12:55:02
Local clock offset: 1.153 ms
Remote clock offset: -8.037 ms

Below is generated by plot.py at 2018-07-04 14:33:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 55.026 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 50.456 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 55.871 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 57.633 ms
Loss rate: 3.74%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 13:14:56

End at: 2018-07-04 13:15:26

Local clock offset: -0.242 ms

Remote clock offset: -10.536 ms

Below is generated by plot.py at 2018-07-04 14:33:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 53.759 ms

Loss rate: 5.03%

-- Flow 1:

Average throughput: 57.97 Mbit/s

95th percentile per-packet one-way delay: 49.957 ms

Loss rate: 6.25%

-- Flow 2:

Average throughput: 34.02 Mbit/s

95th percentile per-packet one-way delay: 57.409 ms

Loss rate: 4.35%

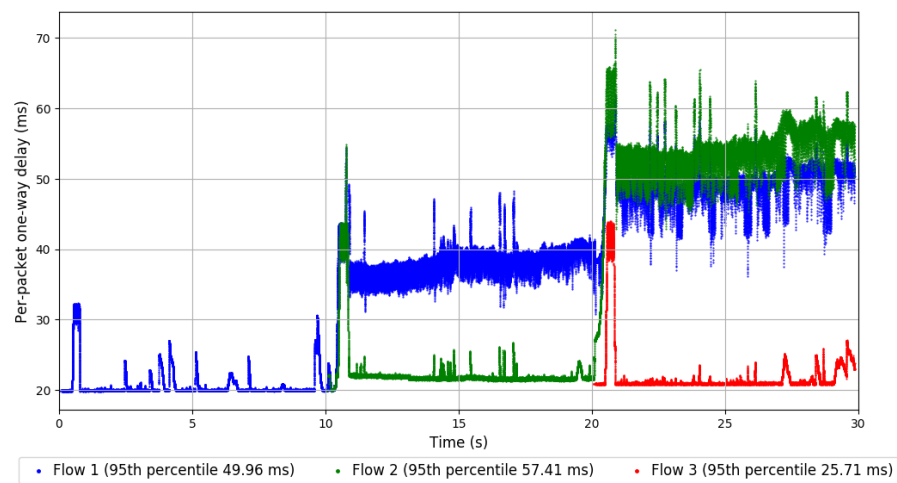
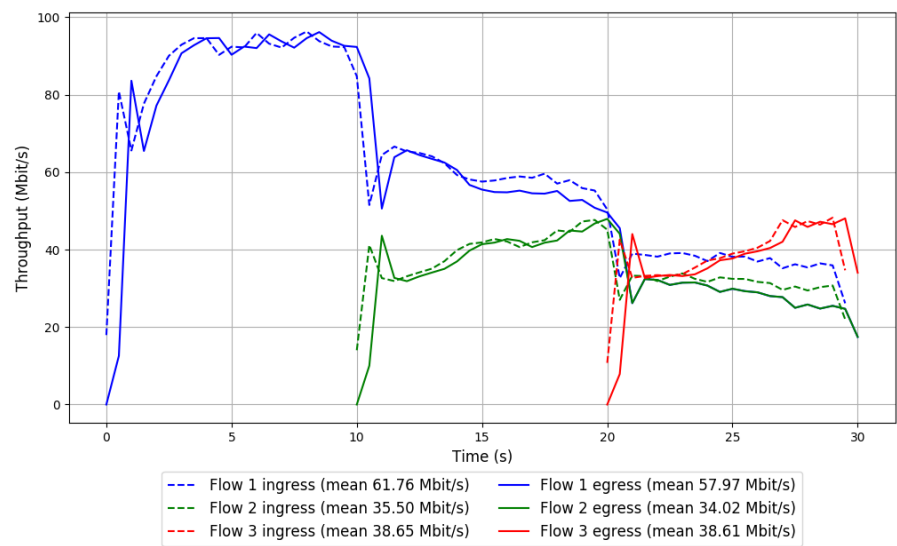
-- Flow 3:

Average throughput: 38.61 Mbit/s

95th percentile per-packet one-way delay: 25.706 ms

Loss rate: 0.38%

Run 8: Report of PCC-Allegro — Data Link

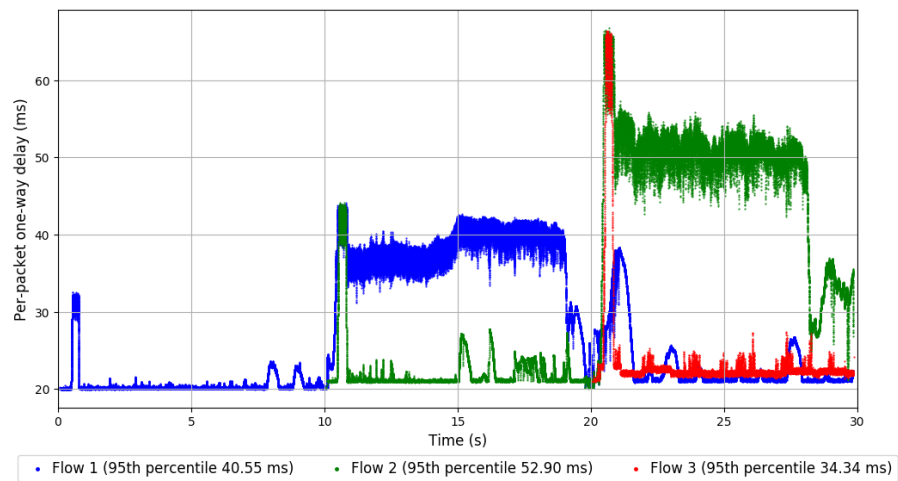
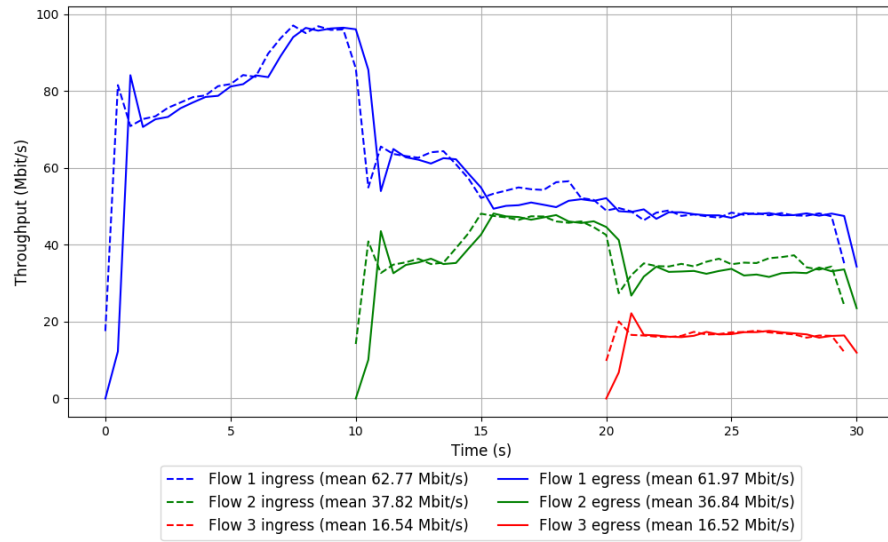


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 13:35:17
End at: 2018-07-04 13:35:47
Local clock offset: 0.85 ms
Remote clock offset: -8.799 ms

Below is generated by plot.py at 2018-07-04 14:33:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 50.566 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 40.554 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 52.900 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 34.335 ms
Loss rate: 0.32%

Run 9: Report of PCC-Allegro — Data Link

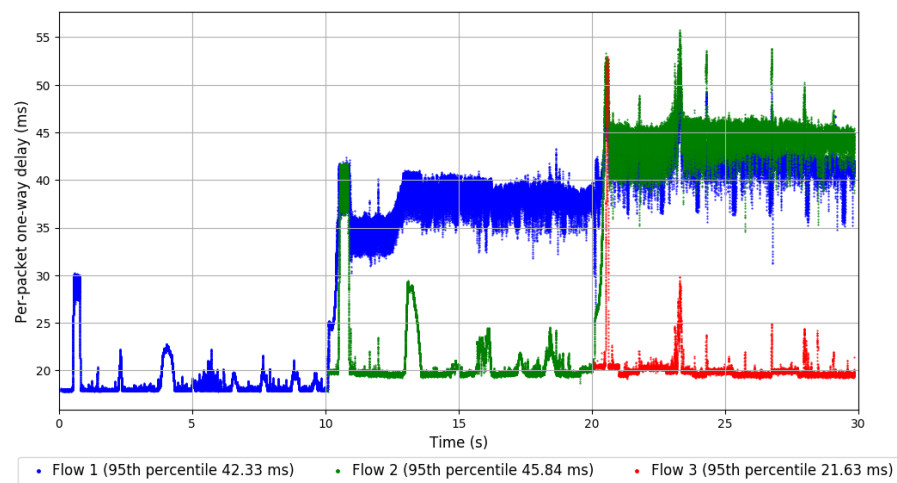
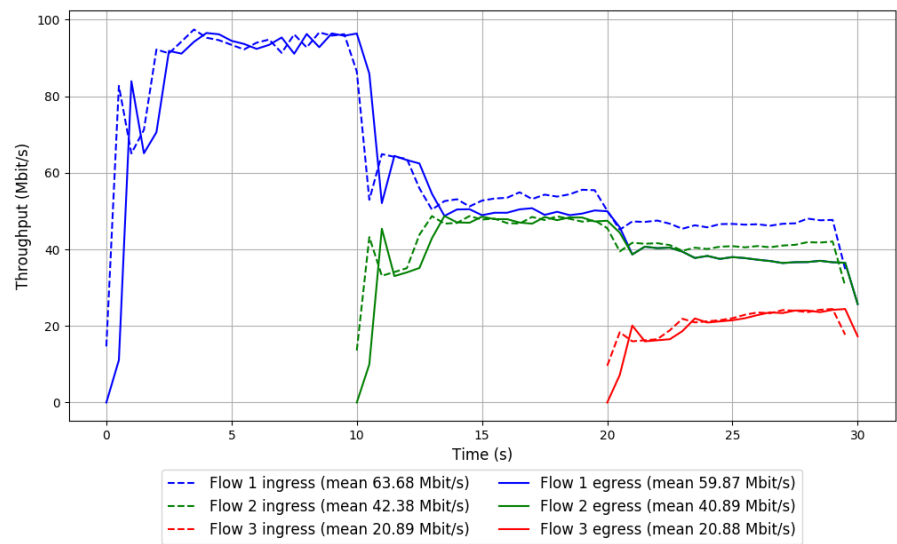


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 13:56:06
End at: 2018-07-04 13:56:36
Local clock offset: 1.109 ms
Remote clock offset: -5.705 ms

Below is generated by plot.py at 2018-07-04 14:33:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 44.915 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 42.334 ms
Loss rate: 6.10%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 45.841 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 21.629 ms
Loss rate: 0.34%

Run 10: Report of PCC-Allegro — Data Link

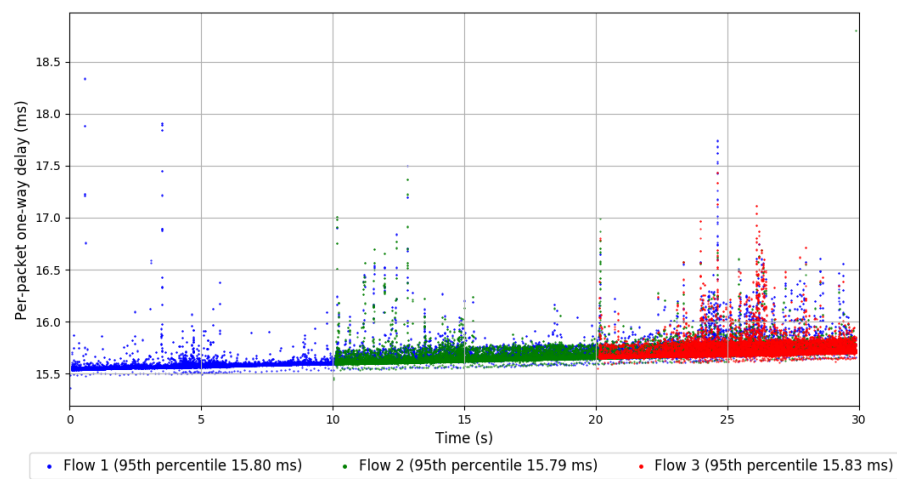
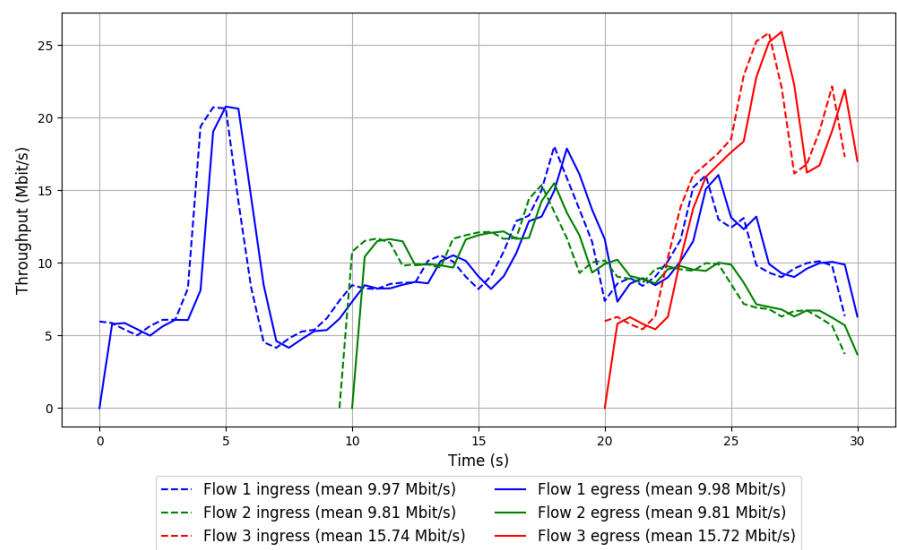


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 10:52:56
End at: 2018-07-04 10:53:26
Local clock offset: 0.288 ms
Remote clock offset: 1.811 ms

# Below is generated by plot.py at 2018-07-04 14:33:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 15.803 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 15.797 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 15.785 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 15.827 ms
Loss rate: 0.35%
```

Run 1: Report of PCC-Expr — Data Link

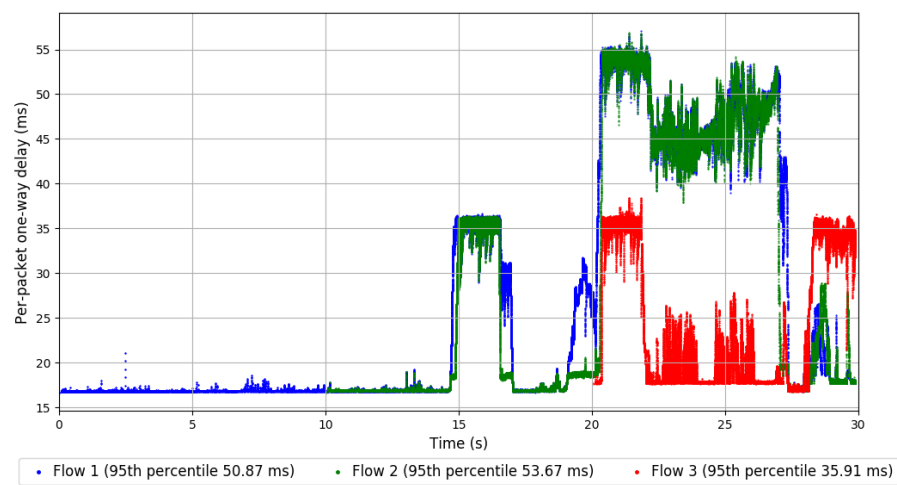
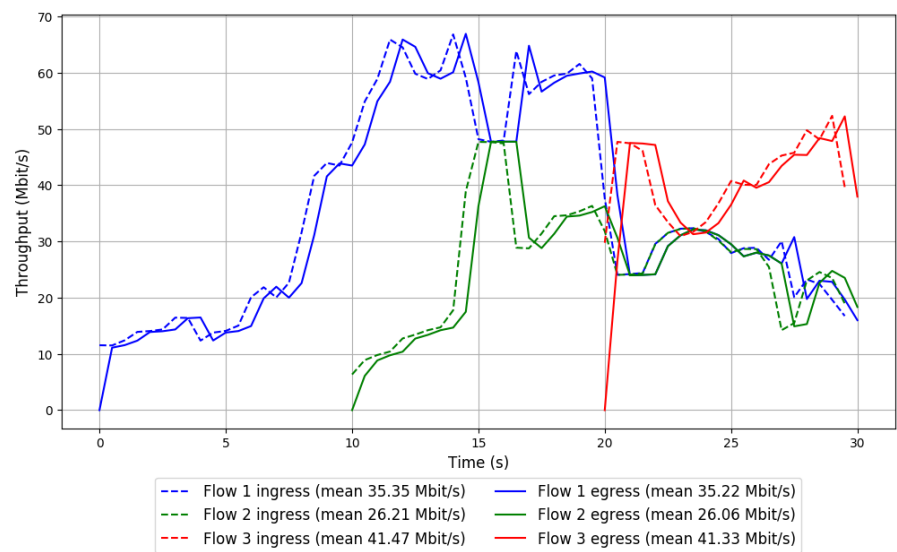


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 11:13:09
End at: 2018-07-04 11:13:39
Local clock offset: -0.012 ms
Remote clock offset: 3.822 ms

# Below is generated by plot.py at 2018-07-04 14:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 51.122 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 50.873 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 53.668 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 35.907 ms
Loss rate: 0.73%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 11:33:46

End at: 2018-07-04 11:34:16

Local clock offset: 2.008 ms

Remote clock offset: 2.661 ms

Below is generated by plot.py at 2018-07-04 14:34:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 38.656 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 38.769 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 25.951 ms

Loss rate: 0.21%

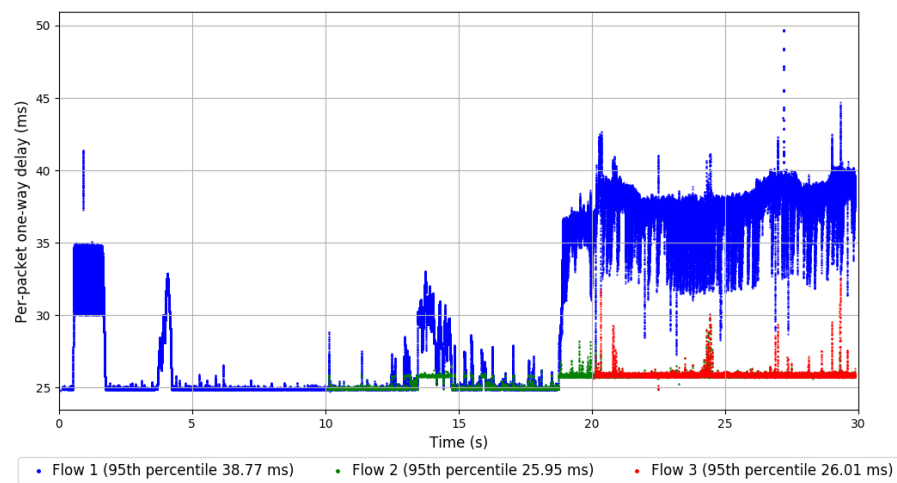
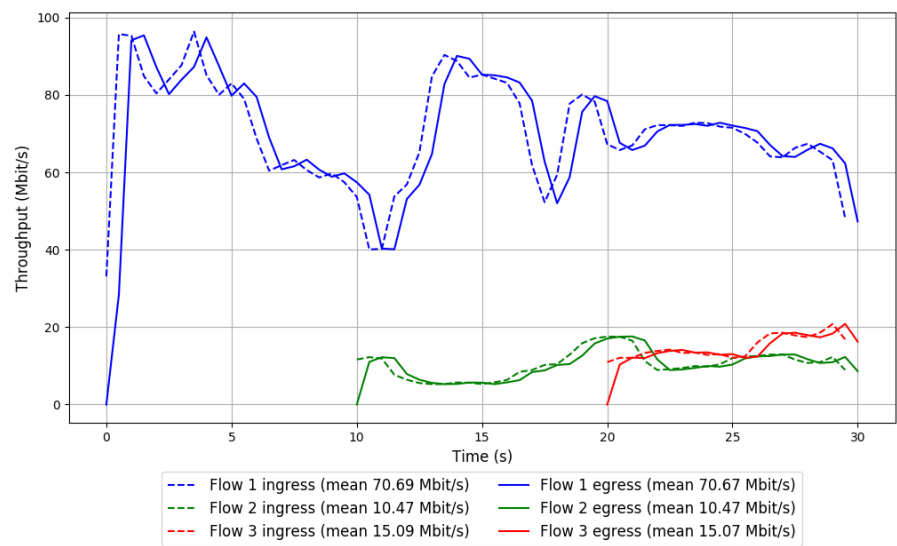
-- Flow 3:

Average throughput: 15.07 Mbit/s

95th percentile per-packet one-way delay: 26.011 ms

Loss rate: 0.56%

Run 3: Report of PCC-Expr — Data Link

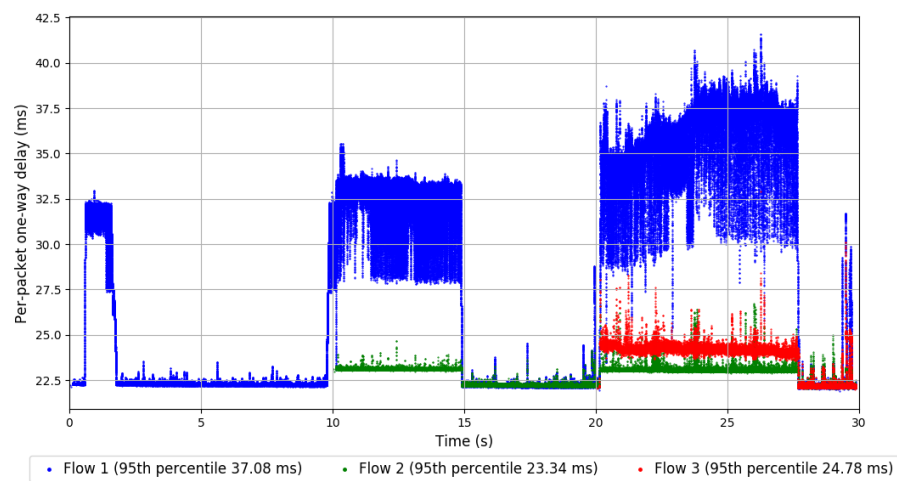
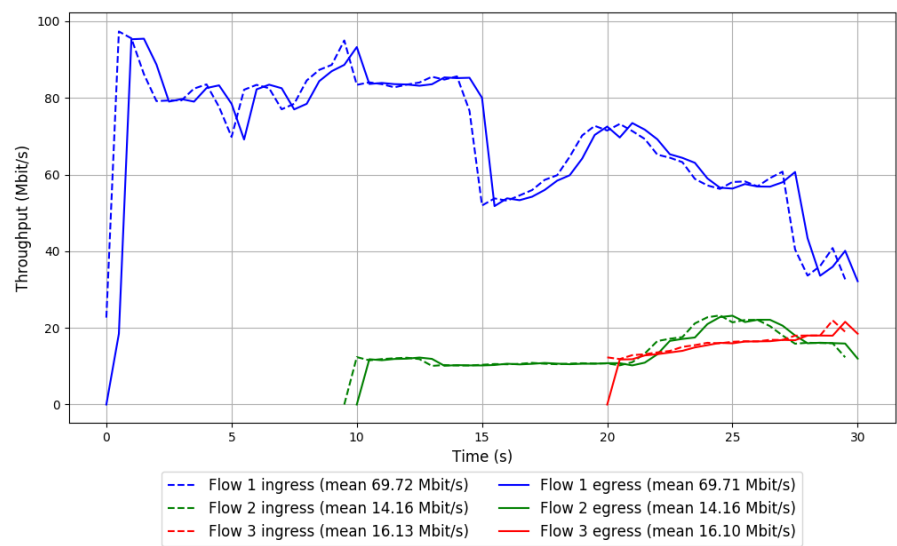


Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 11:54:42
End at: 2018-07-04 11:55:12
Local clock offset: 0.363 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-07-04 14:34:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 36.780 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 23.339 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 24.777 ms
Loss rate: 0.55%

Run 4: Report of PCC-Expr — Data Link

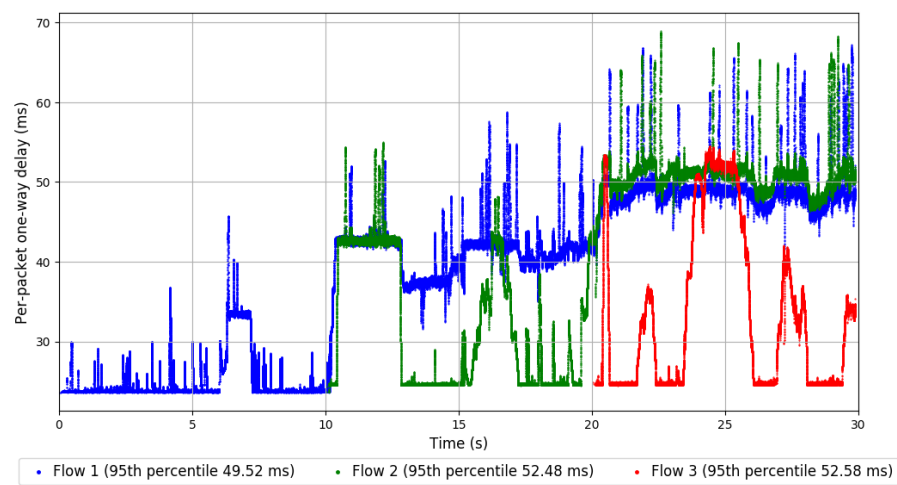
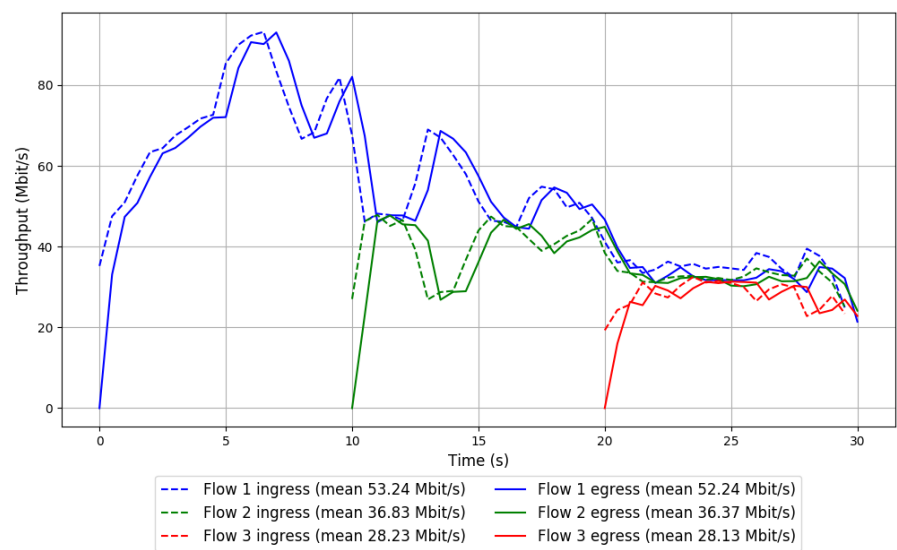


Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 12:15:27
End at: 2018-07-04 12:15:57
Local clock offset: 1.158 ms
Remote clock offset: -3.301 ms

Below is generated by plot.py at 2018-07-04 14:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 51.889 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 49.518 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 52.485 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 52.575 ms
Loss rate: 0.70%

Run 5: Report of PCC-Expr — Data Link

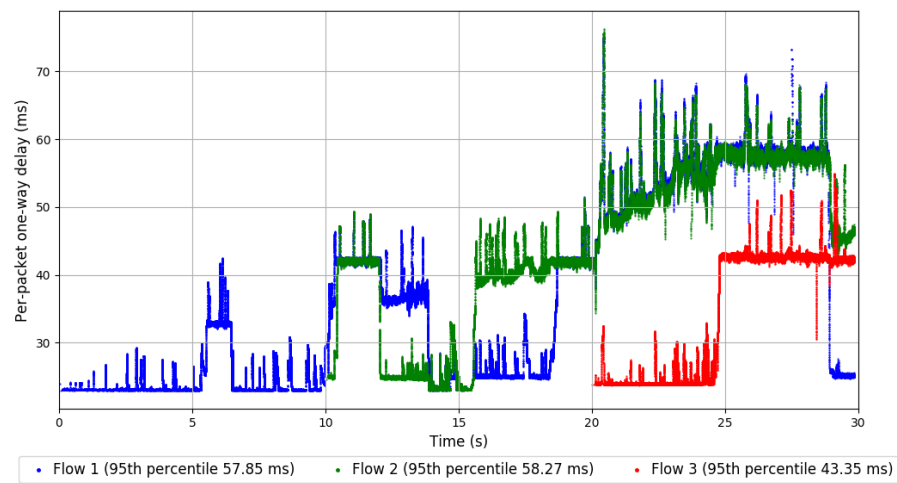
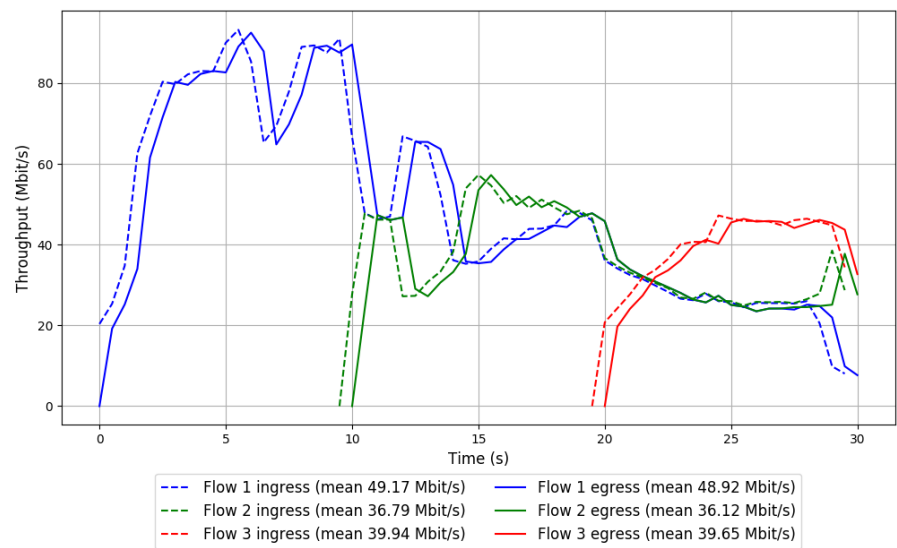


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 12:36:11
End at: 2018-07-04 12:36:41
Local clock offset: -2.537 ms
Remote clock offset: -8.932 ms

Below is generated by plot.py at 2018-07-04 14:35:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 57.818 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 57.848 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 58.271 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 43.350 ms
Loss rate: 1.17%

Run 6: Report of PCC-Expr — Data Link

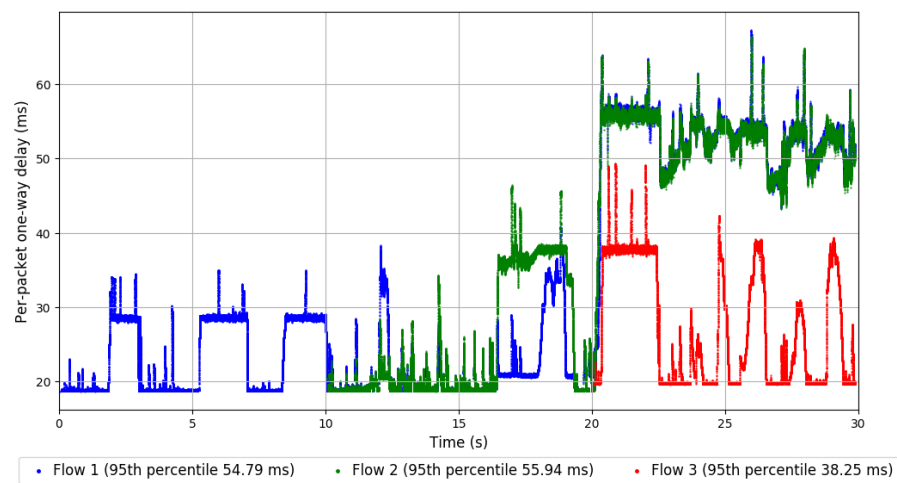
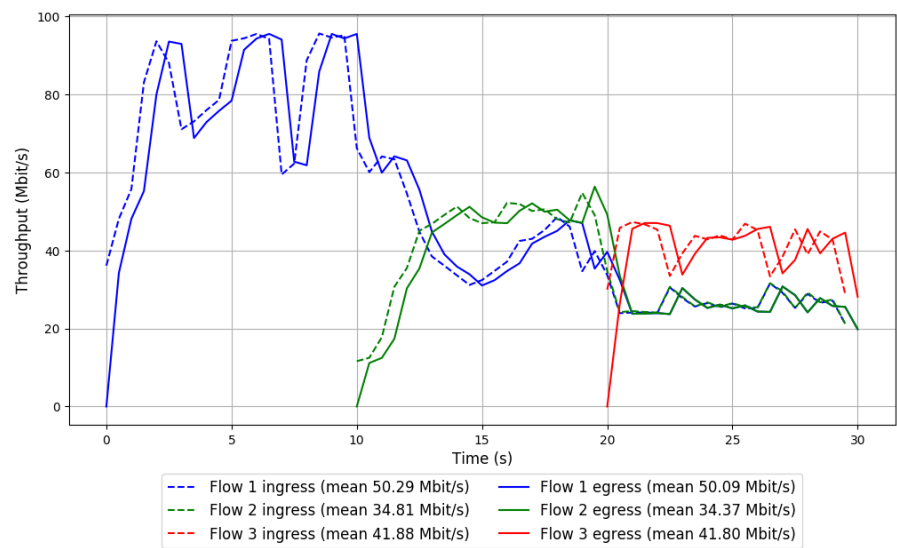


Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 12:57:03
End at: 2018-07-04 12:57:33
Local clock offset: -0.642 ms
Remote clock offset: -11.089 ms

Below is generated by plot.py at 2018-07-04 14:35:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 55.049 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 54.786 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 55.939 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 38.251 ms
Loss rate: 0.46%

Run 7: Report of PCC-Expr — Data Link

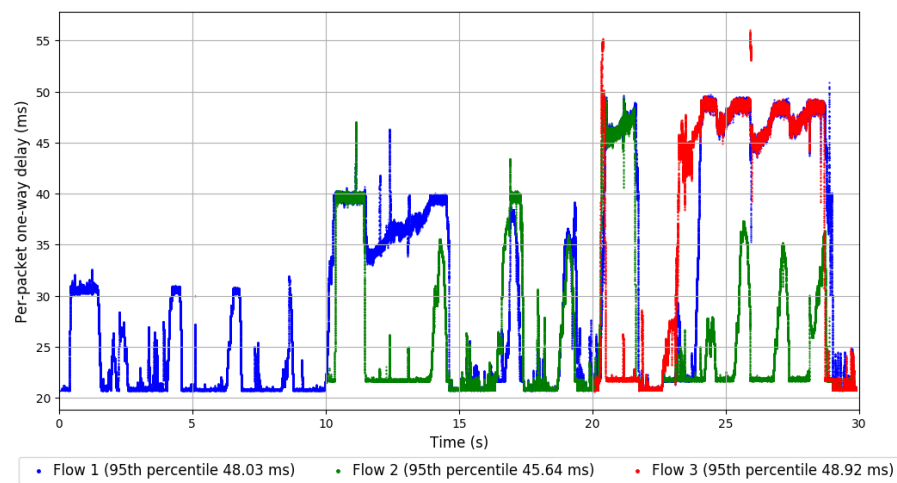
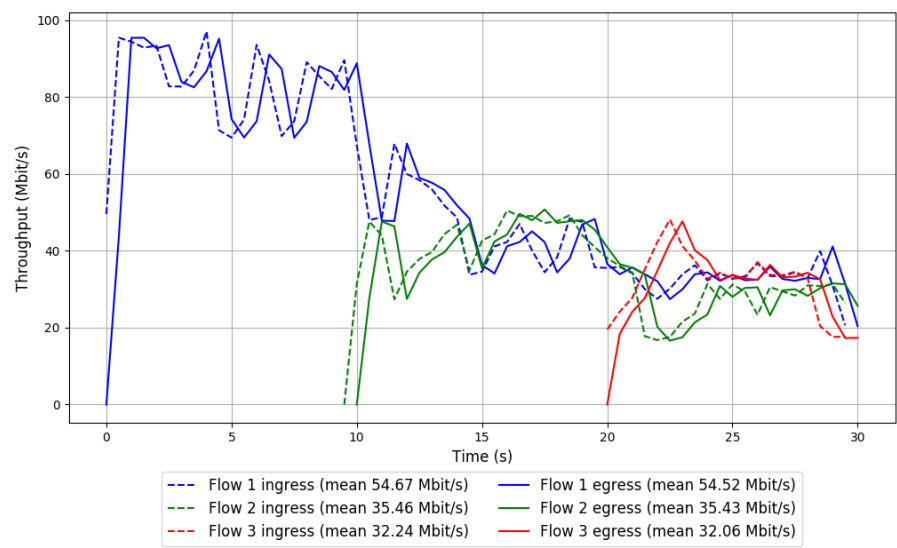


Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 13:17:19
End at: 2018-07-04 13:17:49
Local clock offset: 0.85 ms
Remote clock offset: -10.203 ms

Below is generated by plot.py at 2018-07-04 14:35:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 48.357 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 48.027 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 45.638 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 48.922 ms
Loss rate: 0.83%

Run 8: Report of PCC-Expr — Data Link

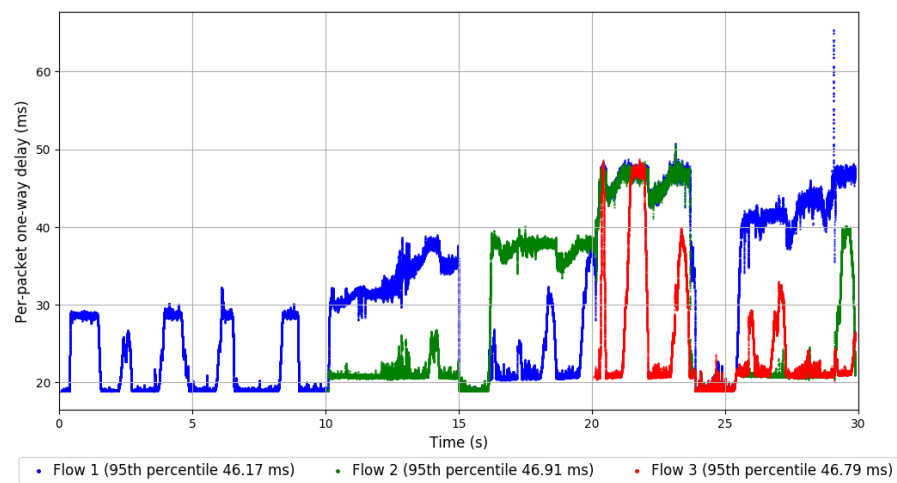
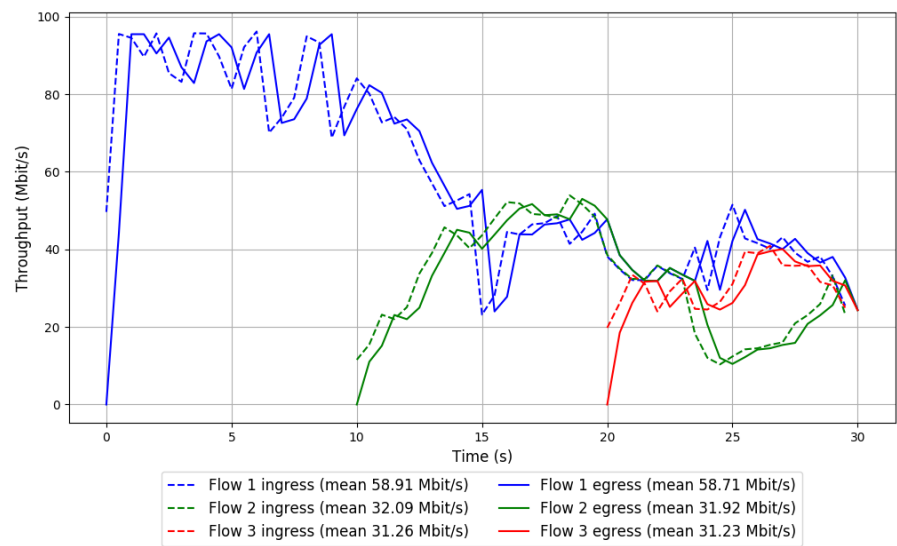


Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 13:37:45
End at: 2018-07-04 13:38:15
Local clock offset: -0.556 ms
Remote clock offset: -8.784 ms

Below is generated by plot.py at 2018-07-04 14:35:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 46.652 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 46.170 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 46.906 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 46.786 ms
Loss rate: 0.36%

Run 9: Report of PCC-Expr — Data Link

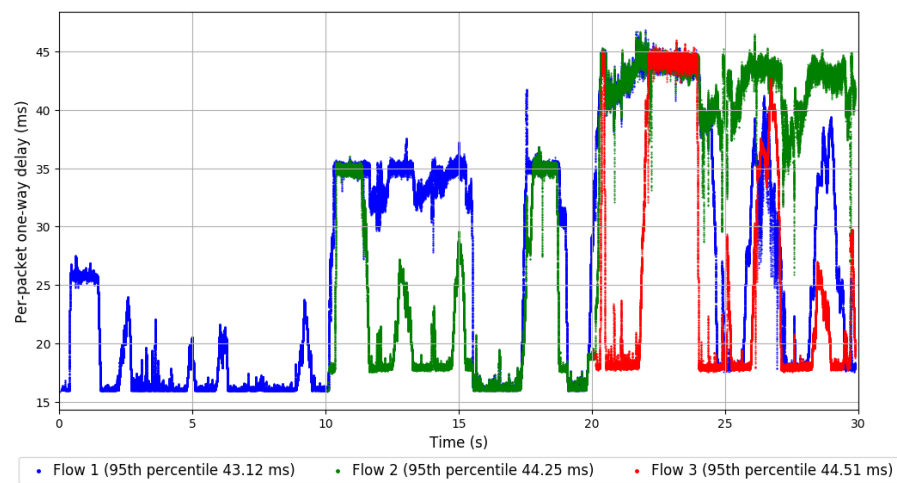
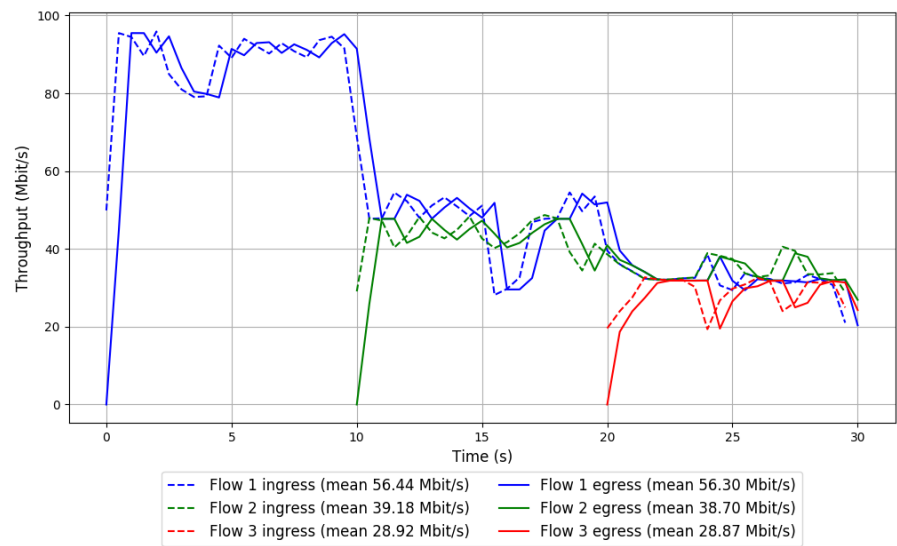


Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 13:58:42
End at: 2018-07-04 13:59:12
Local clock offset: -1.068 ms
Remote clock offset: -5.894 ms

Below is generated by plot.py at 2018-07-04 14:36:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 44.109 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 43.115 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 44.251 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 44.511 ms
Loss rate: 0.49%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 10:56:28

End at: 2018-07-04 10:56:58

Local clock offset: -0.073 ms

Remote clock offset: 3.493 ms

Below is generated by plot.py at 2018-07-04 14:36:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 31.664 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 59.92 Mbit/s

95th percentile per-packet one-way delay: 30.013 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 33.27 Mbit/s

95th percentile per-packet one-way delay: 33.747 ms

Loss rate: 0.47%

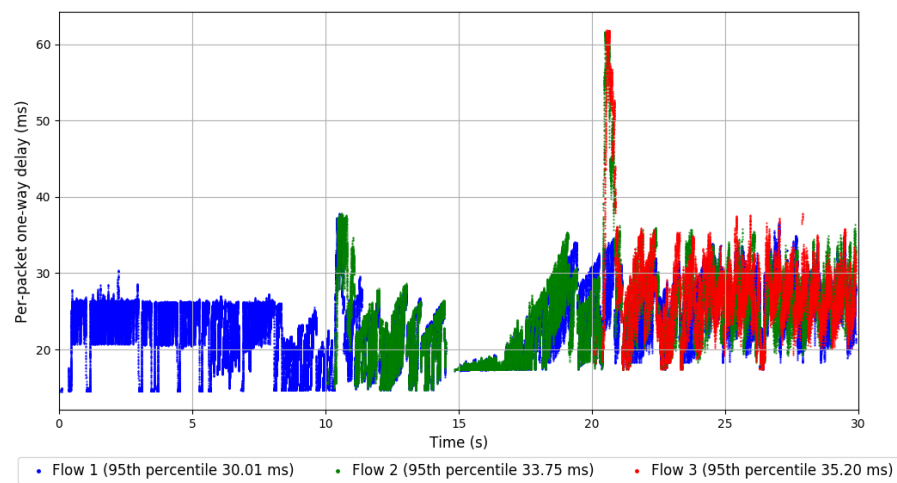
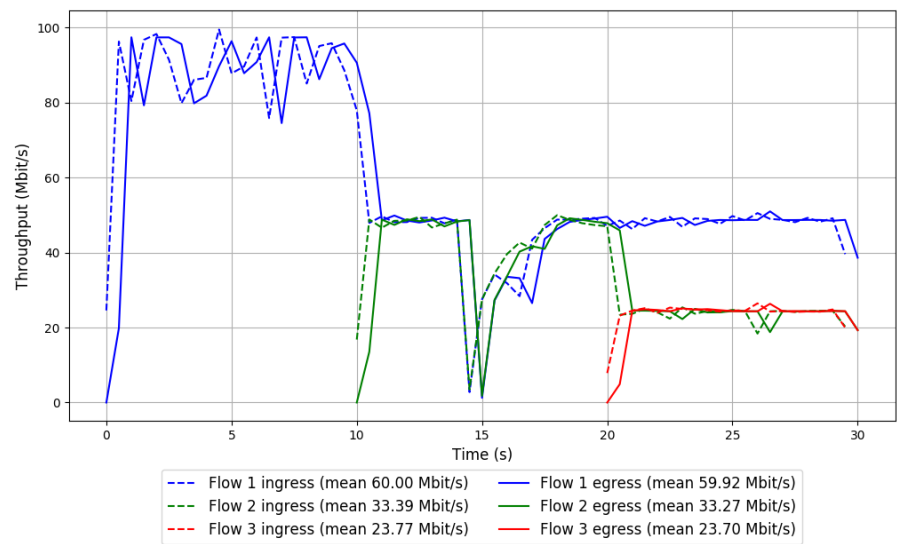
-- Flow 3:

Average throughput: 23.70 Mbit/s

95th percentile per-packet one-way delay: 35.204 ms

Loss rate: 0.58%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 11:16:45

End at: 2018-07-04 11:17:15

Local clock offset: 2.353 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2018-07-04 14:36:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 37.896 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 37.233 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 38.015 ms

Loss rate: 0.22%

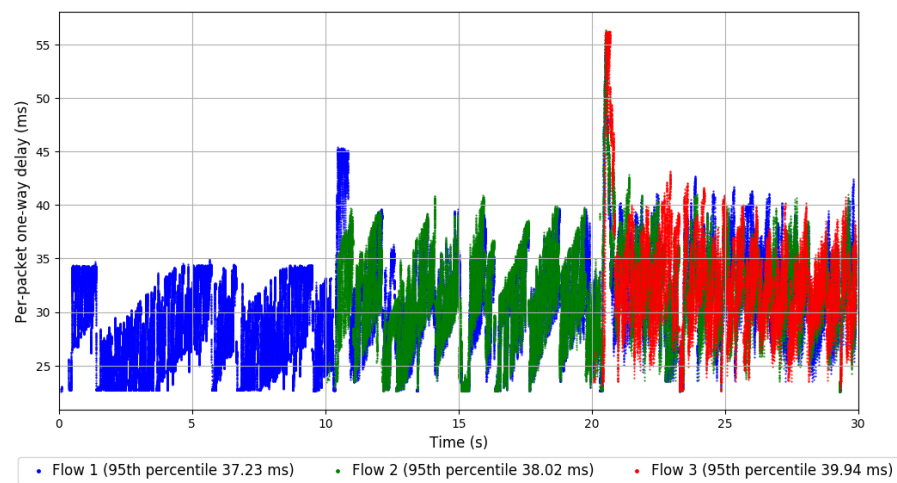
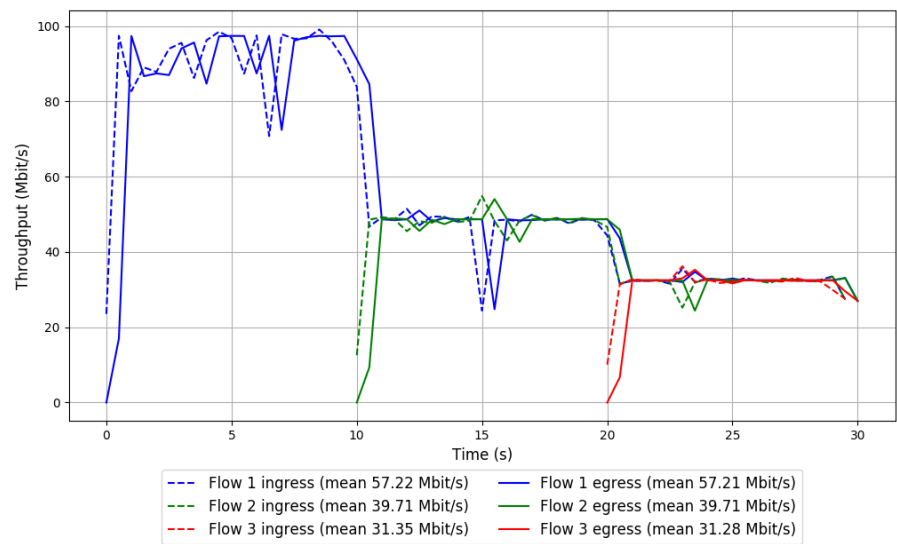
-- Flow 3:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 39.943 ms

Loss rate: 0.51%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-04 11:37:28

End at: 2018-07-04 11:37:58

Local clock offset: 2.303 ms

Remote clock offset: 3.991 ms

Below is generated by plot.py at 2018-07-04 14:36:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

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

Loss rate: 0.23%

-- Flow 1:

Average throughput: 50.50 Mbit/s

95th percentile per-packet one-way delay: 44.824 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 45.638 ms

Loss rate: 0.27%

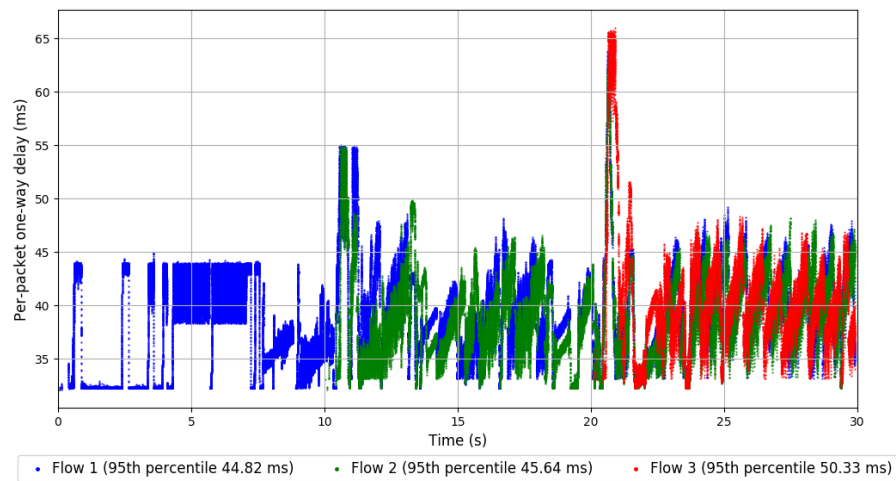
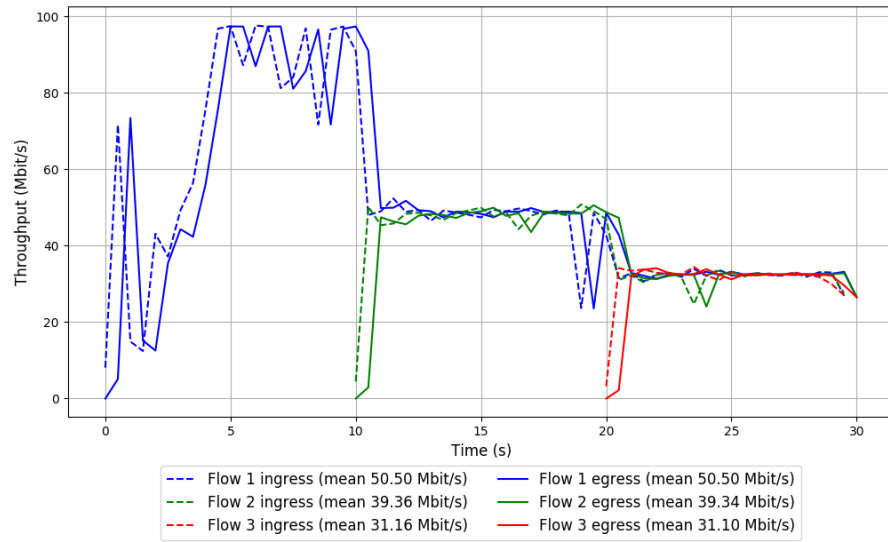
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 50.328 ms

Loss rate: 0.60%

Run 3: Report of QUIC Cubic — Data Link

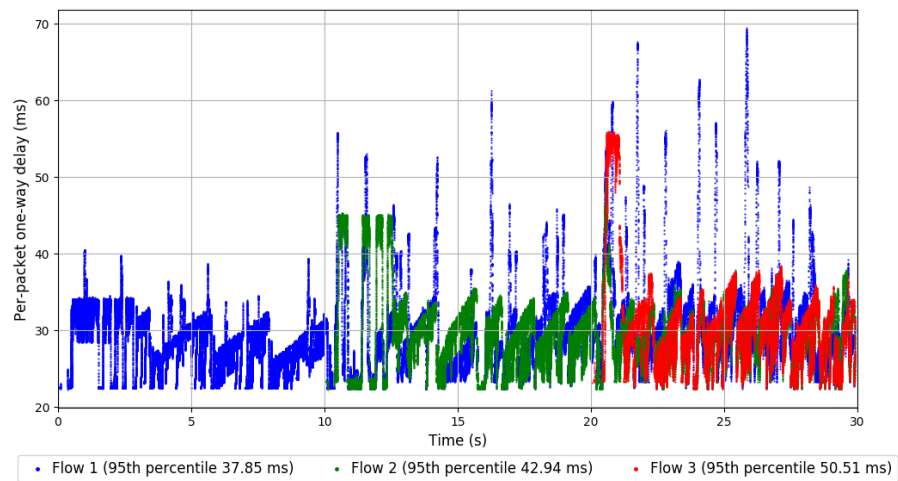
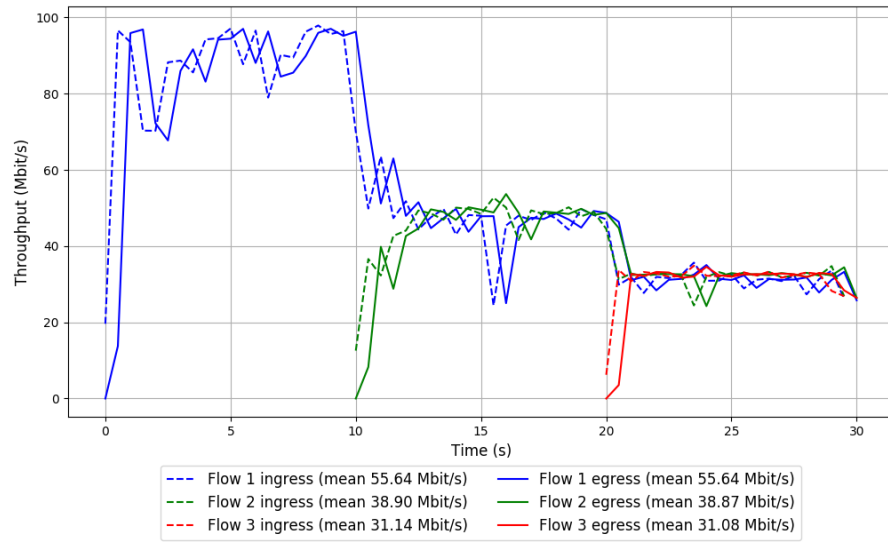


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 11:58:22
End at: 2018-07-04 11:58:52
Local clock offset: 1.282 ms
Remote clock offset: -1.004 ms

Below is generated by plot.py at 2018-07-04 14:36:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 39.482 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 37.848 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 42.941 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link

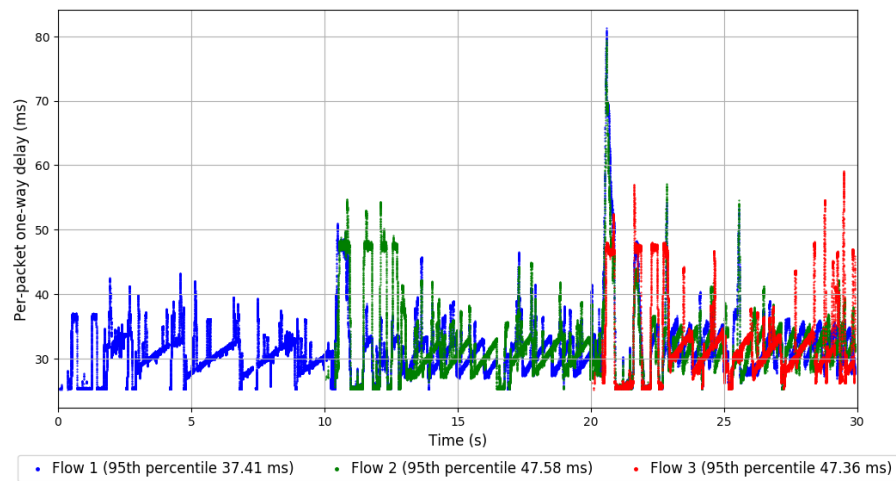
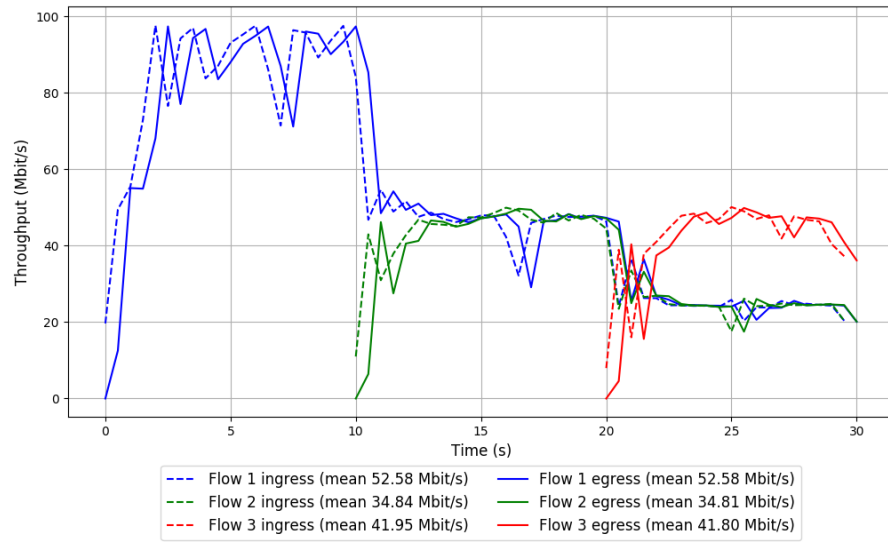


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 12:19:18
End at: 2018-07-04 12:19:48
Local clock offset: 2.342 ms
Remote clock offset: -3.814 ms

Below is generated by plot.py at 2018-07-04 14:36:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 46.609 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 37.407 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 47.581 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 47.358 ms
Loss rate: 0.70%

Run 5: Report of QUIC Cubic — Data Link

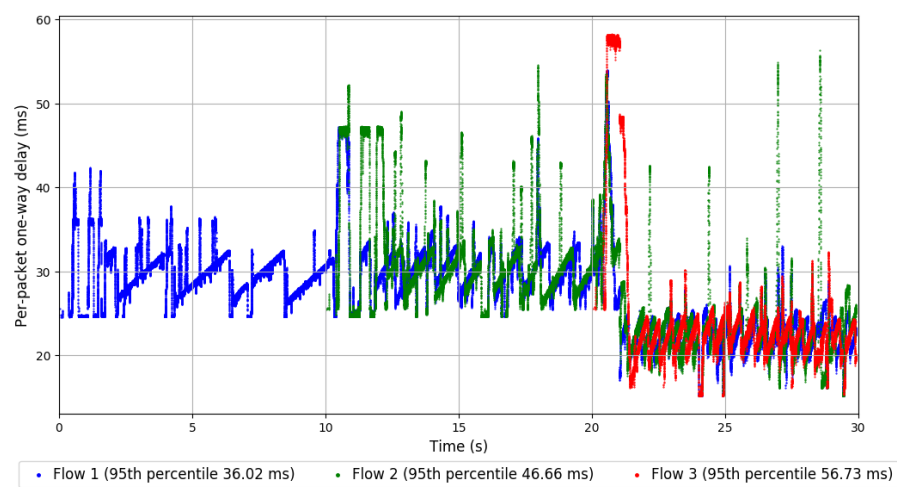
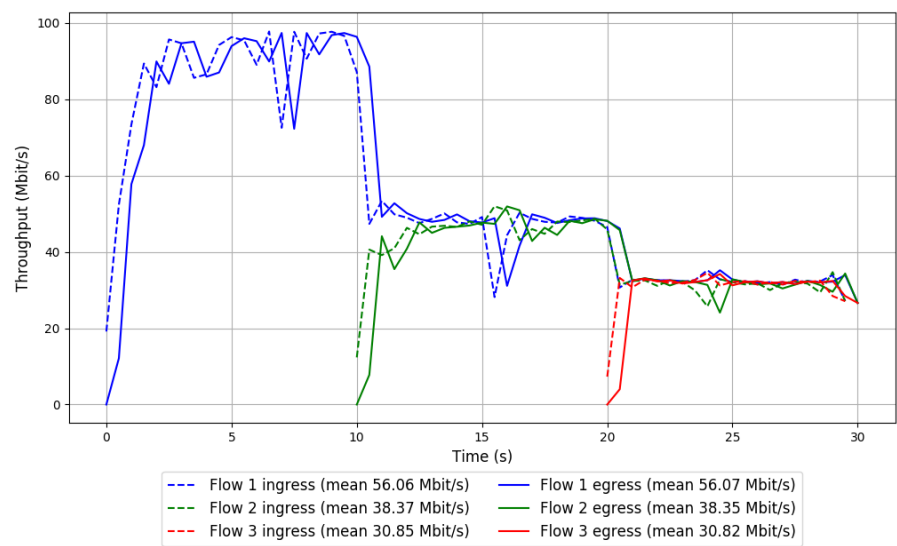


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 12:39:52
End at: 2018-07-04 12:40:22
Local clock offset: 1.423 ms
Remote clock offset: -7.111 ms

Below is generated by plot.py at 2018-07-04 14:36:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 38.701 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 36.017 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 46.661 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 56.733 ms
Loss rate: 0.45%

Run 6: Report of QUIC Cubic — Data Link

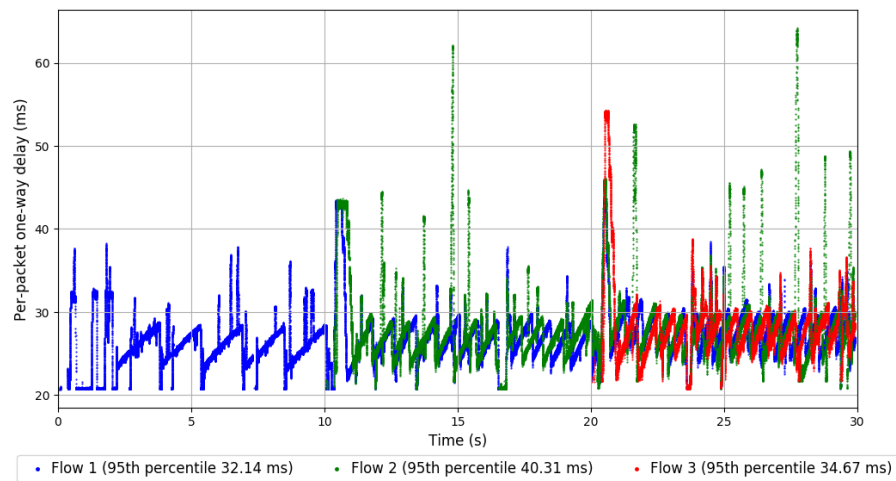
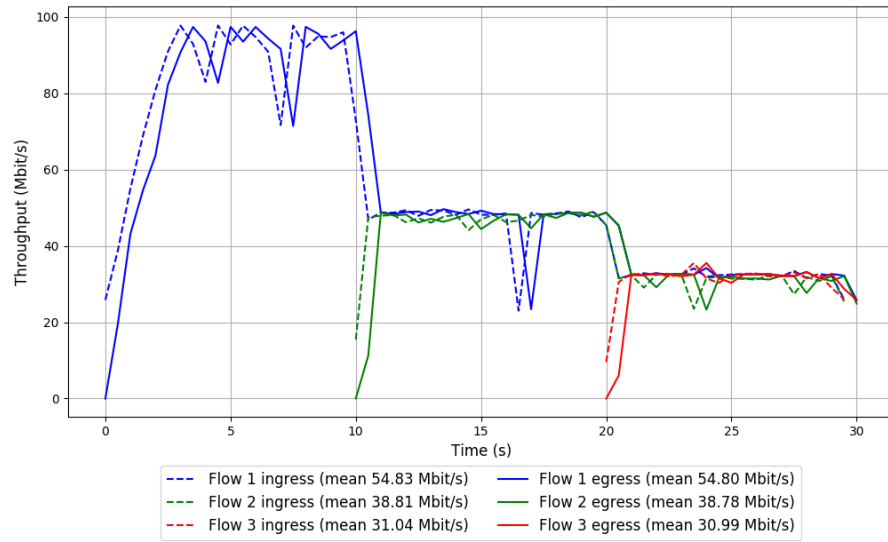


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 13:00:42
End at: 2018-07-04 13:01:12
Local clock offset: 2.228 ms
Remote clock offset: -9.844 ms

Below is generated by plot.py at 2018-07-04 14:36:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 32.652 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 32.138 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 40.315 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 34.669 ms
Loss rate: 0.44%

Run 7: Report of QUIC Cubic — Data Link

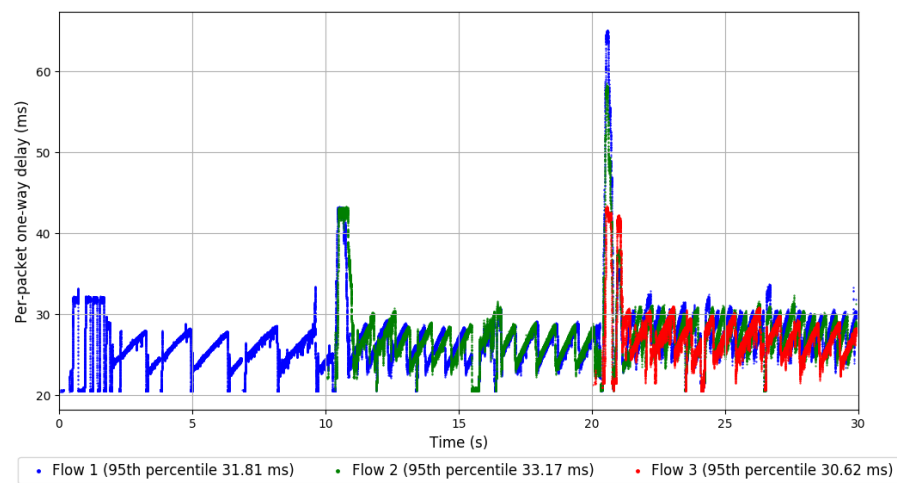
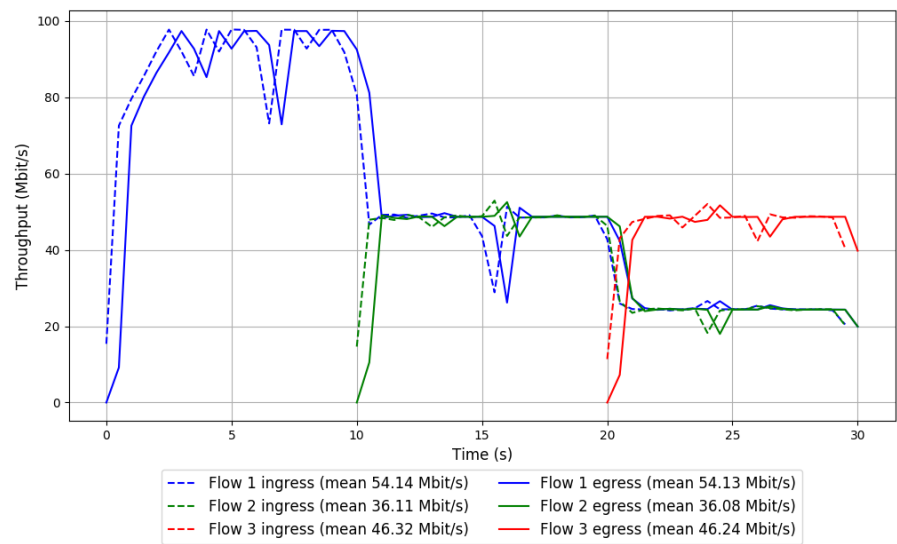


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 13:20:58
End at: 2018-07-04 13:21:28
Local clock offset: 1.114 ms
Remote clock offset: -9.708 ms

Below is generated by plot.py at 2018-07-04 14:37:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.37 Mbit/s
95th percentile per-packet one-way delay: 31.812 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 33.171 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.45%

Run 8: Report of QUIC Cubic — Data Link

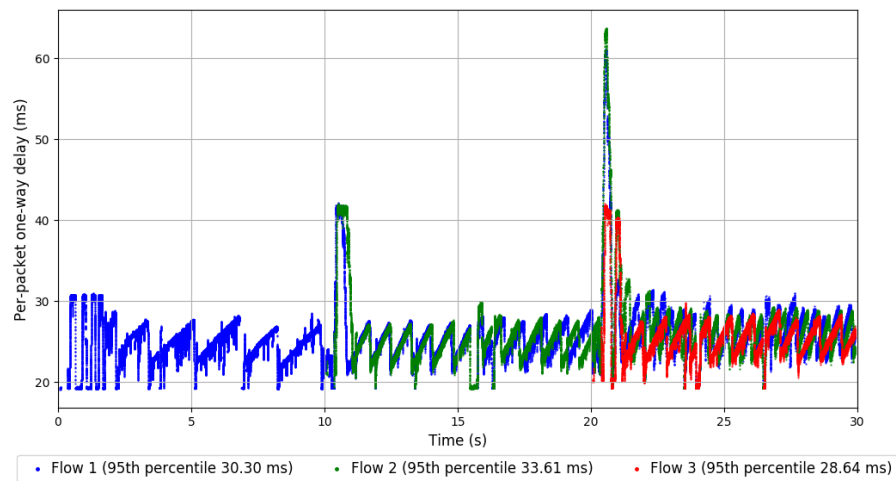
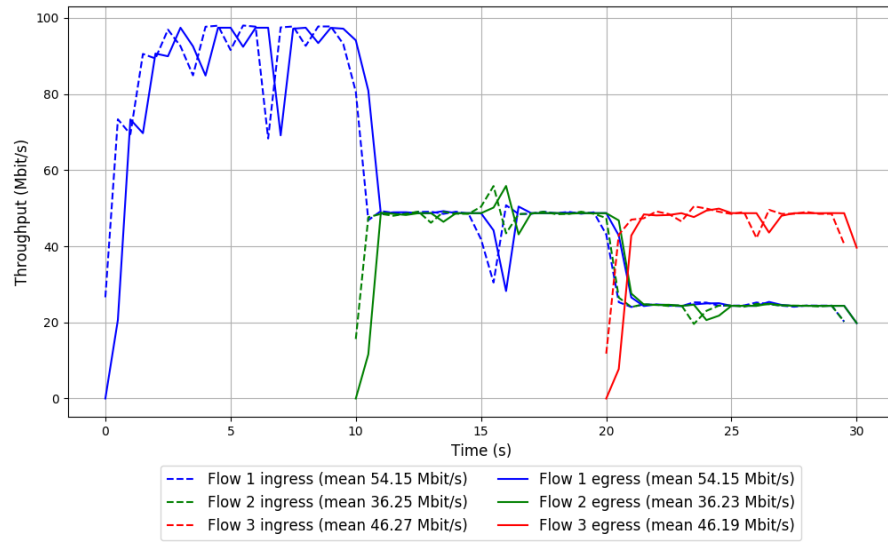


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 13:41:34
End at: 2018-07-04 13:42:04
Local clock offset: 0.938 ms
Remote clock offset: -7.414 ms

Below is generated by plot.py at 2018-07-04 14:37:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 30.401 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 30.303 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 33.614 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 46.19 Mbit/s
95th percentile per-packet one-way delay: 28.641 ms
Loss rate: 0.44%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 14:02:59

End at: 2018-07-04 14:03:29

Local clock offset: 2.226 ms

Remote clock offset: -5.3 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 27.361 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.99 Mbit/s

95th percentile per-packet one-way delay: 26.680 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 27.050 ms

Loss rate: 0.21%

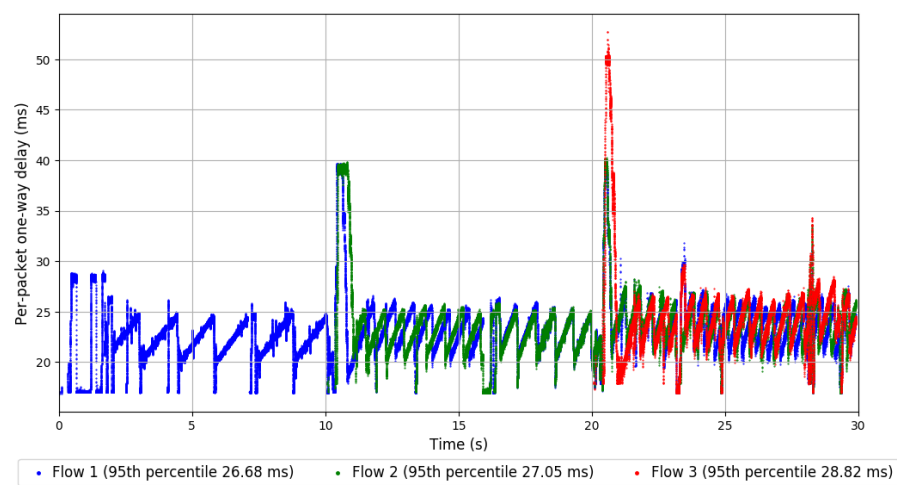
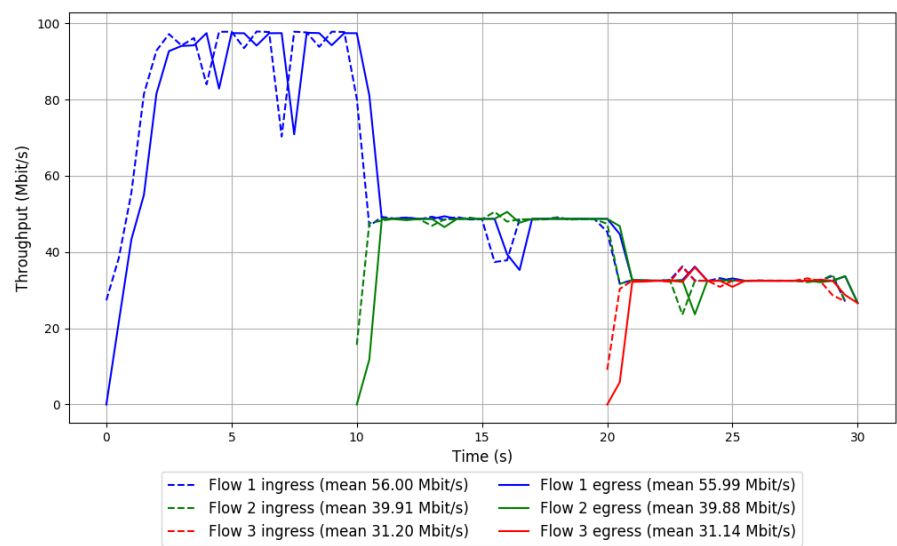
-- Flow 3:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 28.823 ms

Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link

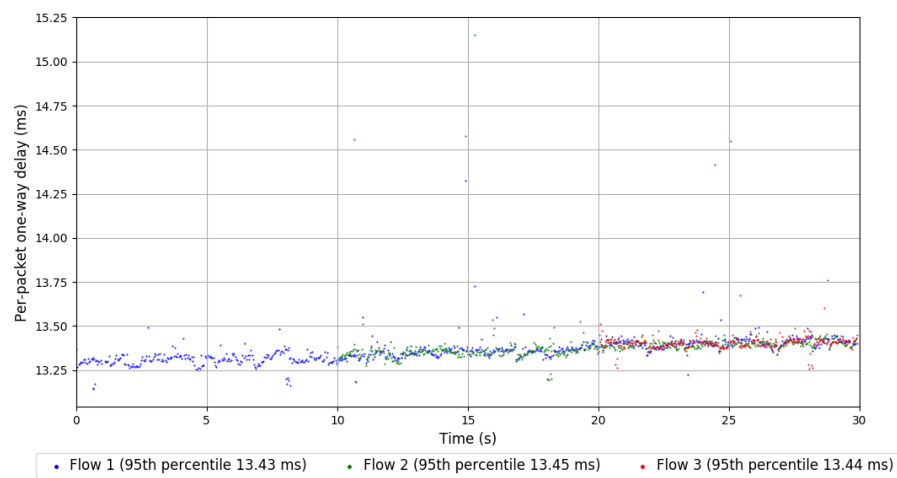
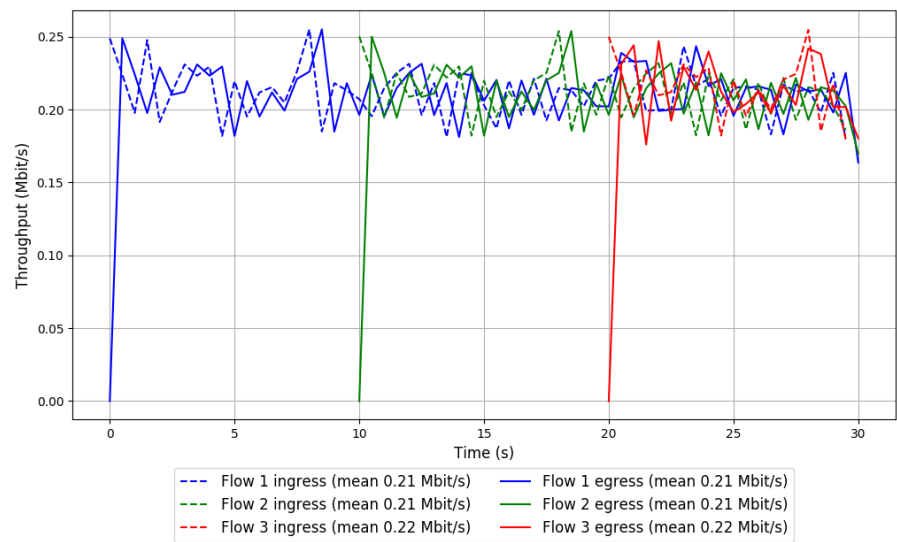


```
Run 1: Statistics of SReAM

Start at: 2018-07-04 11:00:06
End at: 2018-07-04 11:00:36
Local clock offset: -2.166 ms
Remote clock offset: 3.684 ms

# Below is generated by plot.py at 2018-07-04 14:37:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.439 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.433 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.445 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.443 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-07-04 11:20:23

End at: 2018-07-04 11:20:53

Local clock offset: 1.929 ms

Remote clock offset: 1.462 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 21.057 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 21.068 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 21.033 ms

Loss rate: 0.19%

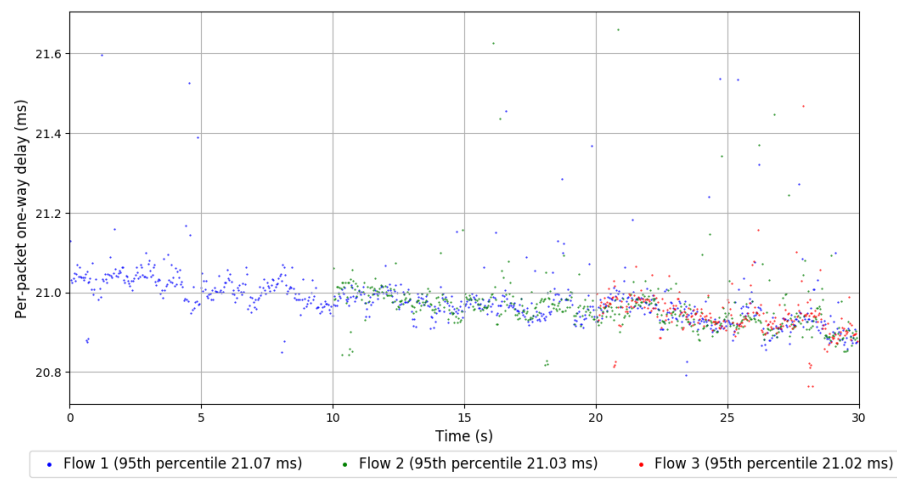
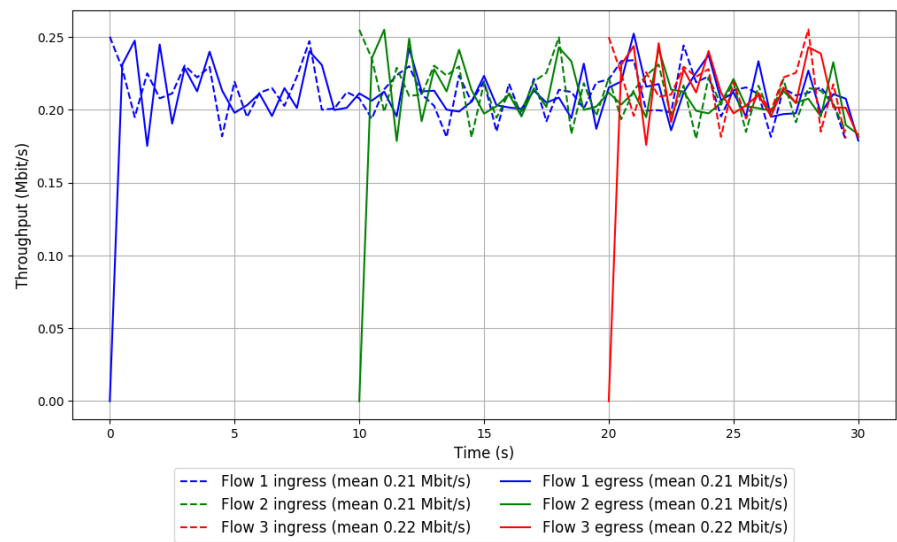
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 21.016 ms

Loss rate: 0.36%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-04 11:41:19

End at: 2018-07-04 11:41:49

Local clock offset: 0.224 ms

Remote clock offset: 3.695 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 22.346 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.338 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.348 ms

Loss rate: 0.19%

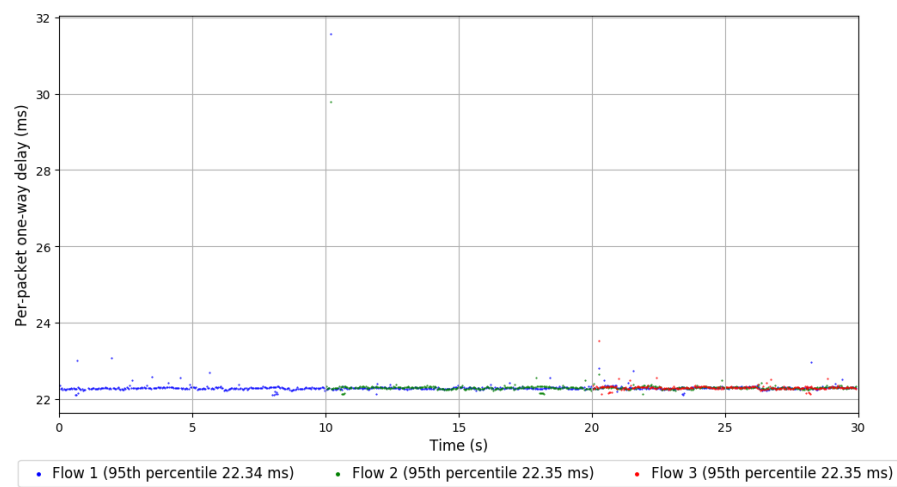
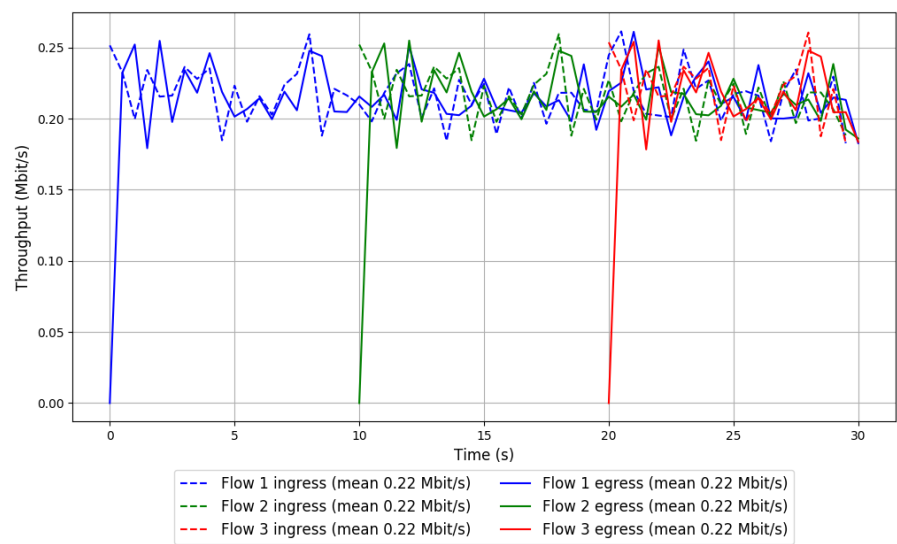
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.348 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

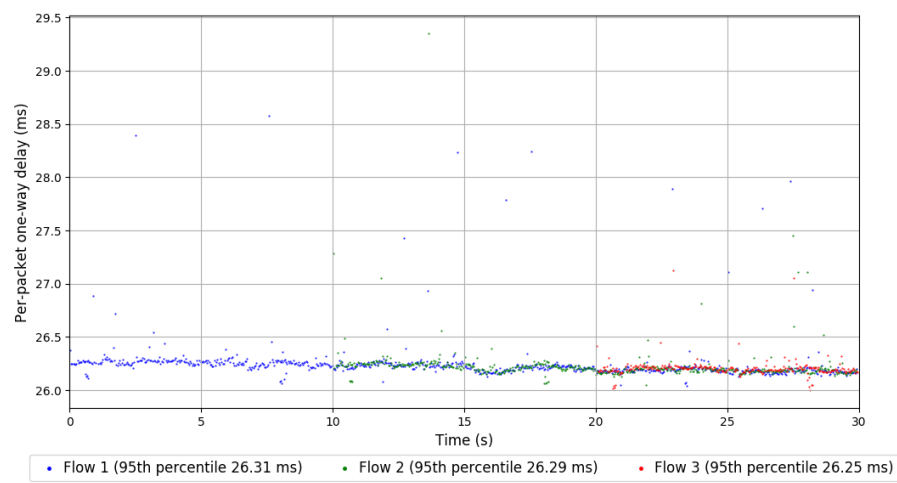
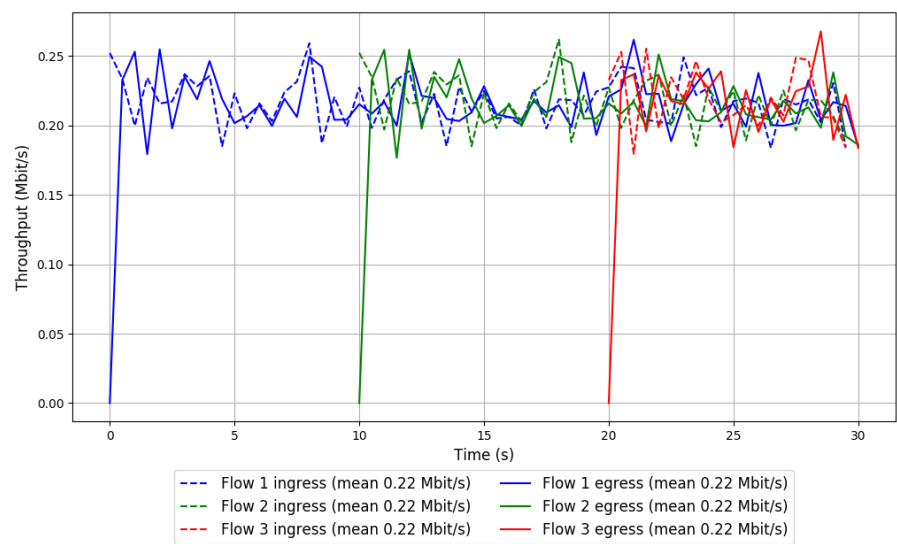


Run 4: Statistics of SReAM

Start at: 2018-07-04 12:02:01
End at: 2018-07-04 12:02:31
Local clock offset: 3.343 ms
Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 26.300 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.308 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.292 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.249 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

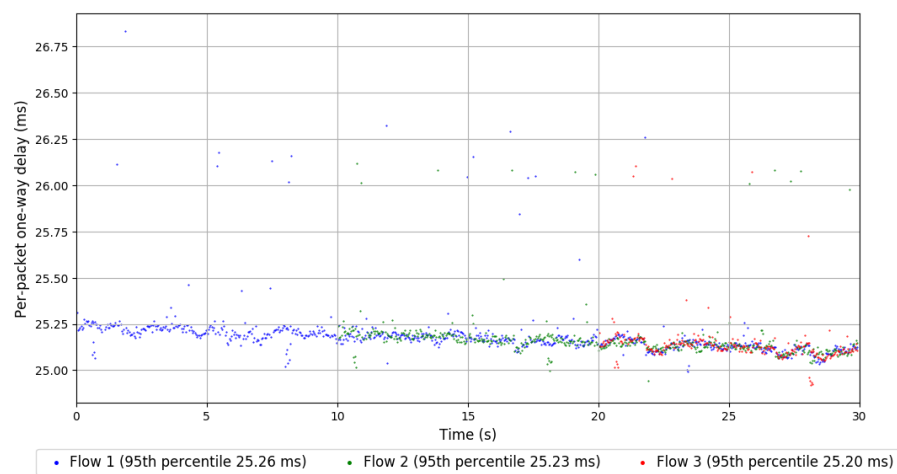
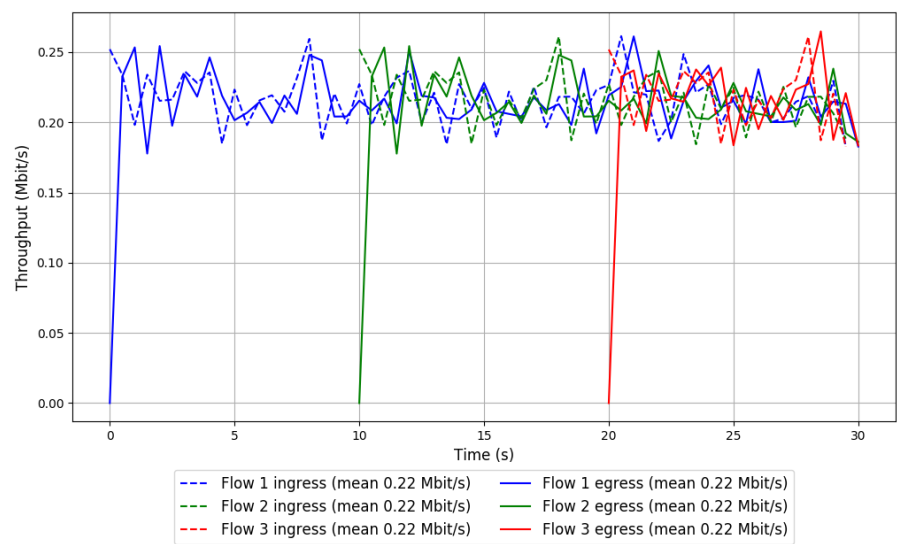


Run 5: Statistics of SReAM

Start at: 2018-07-04 12:22:53
End at: 2018-07-04 12:23:23
Local clock offset: 1.719 ms
Remote clock offset: -4.514 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 25.253 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.258 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.234 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.201 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

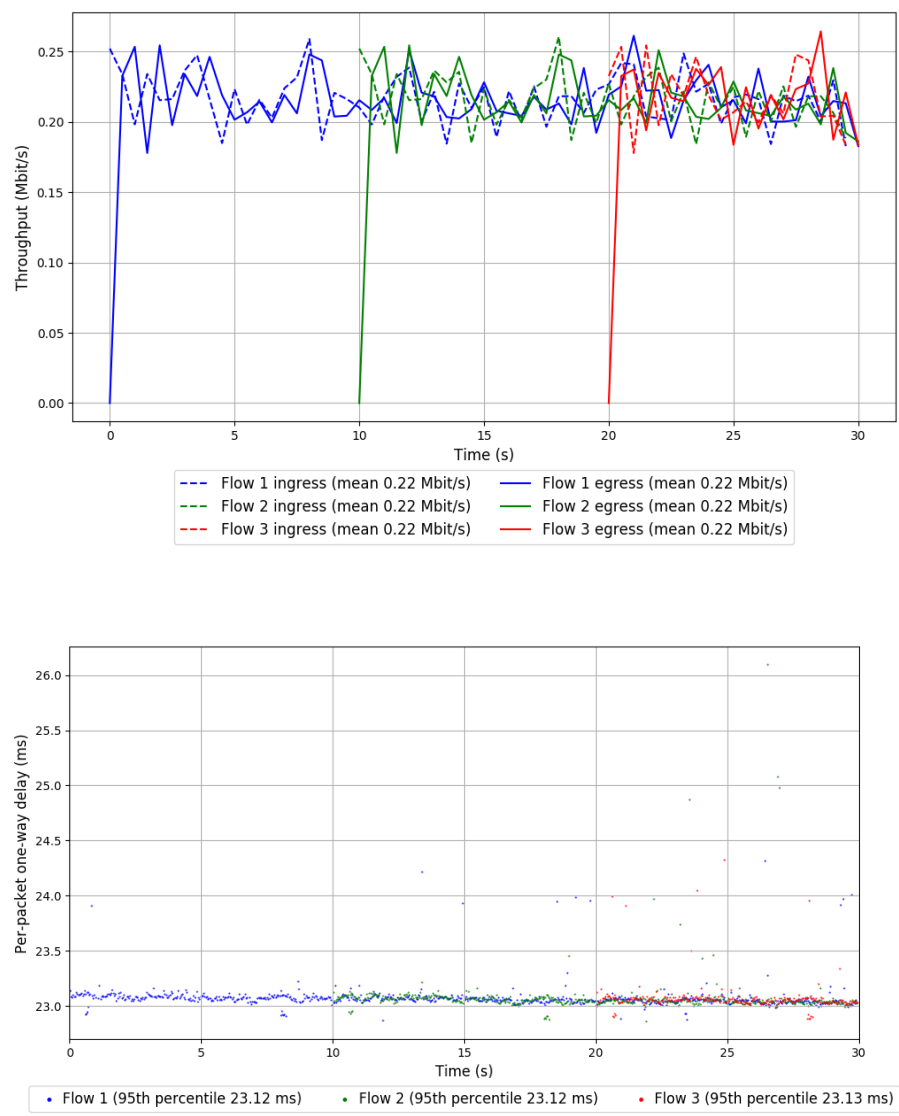


Run 6: Statistics of SReAM

Start at: 2018-07-04 12:43:22
End at: 2018-07-04 12:43:52
Local clock offset: 0.511 ms
Remote clock offset: -7.591 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 23.125 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.125 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.118 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.129 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

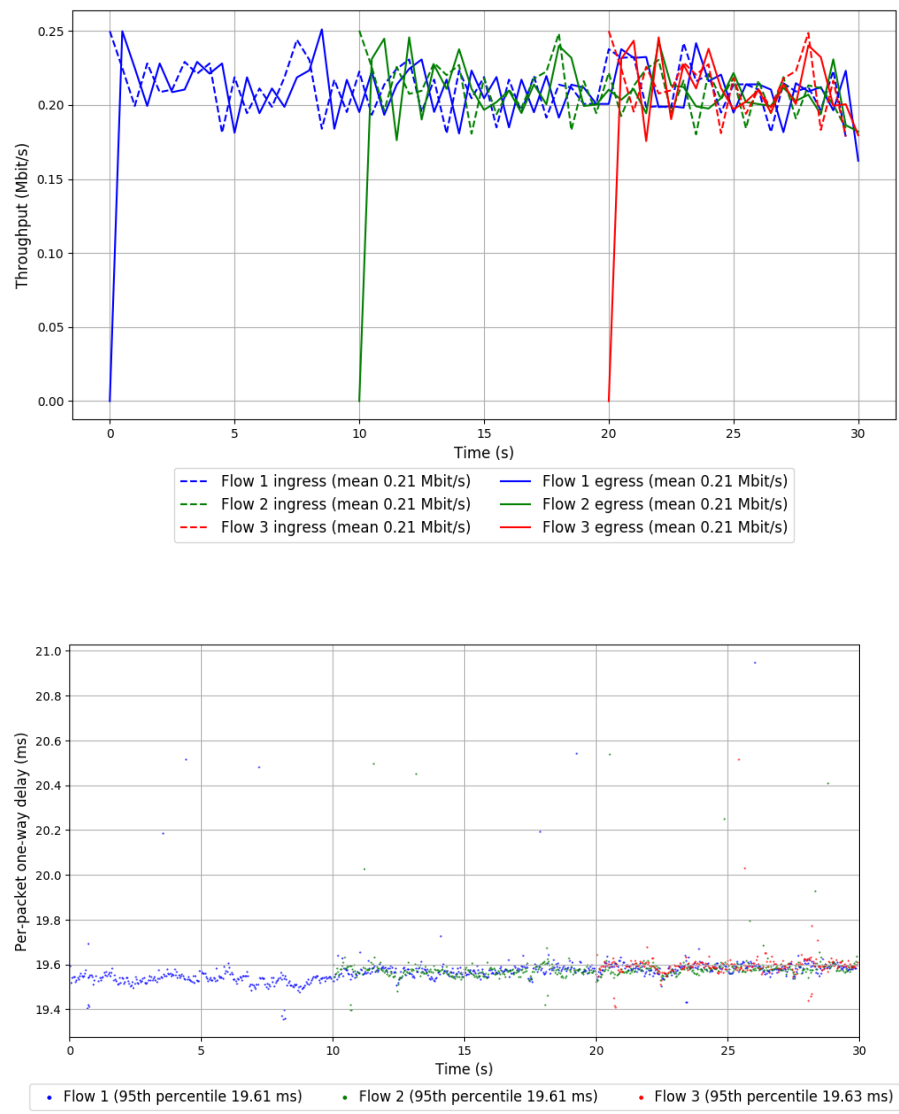


Run 7: Statistics of SReAM

Start at: 2018-07-04 13:04:15
End at: 2018-07-04 13:04:45
Local clock offset: 0.34 ms
Remote clock offset: -10.132 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 19.618 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.611 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.631 ms
Loss rate: 0.36%

Run 7: Report of SReAM — Data Link

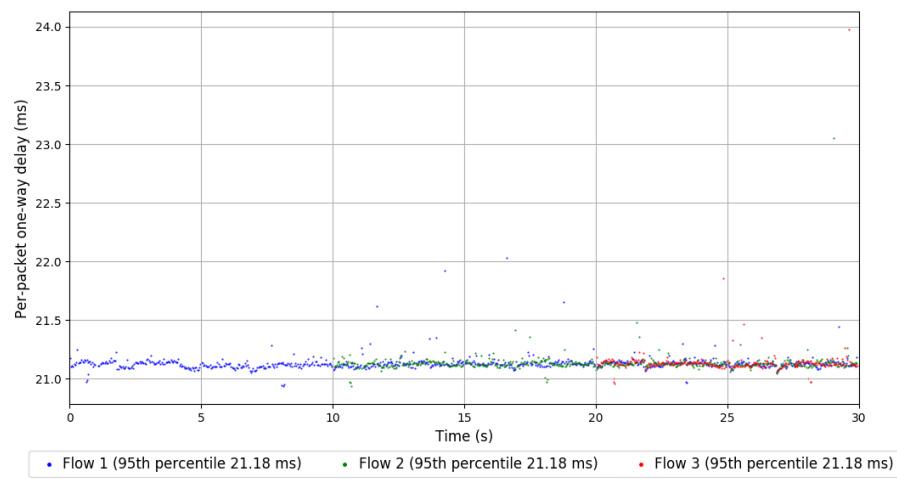
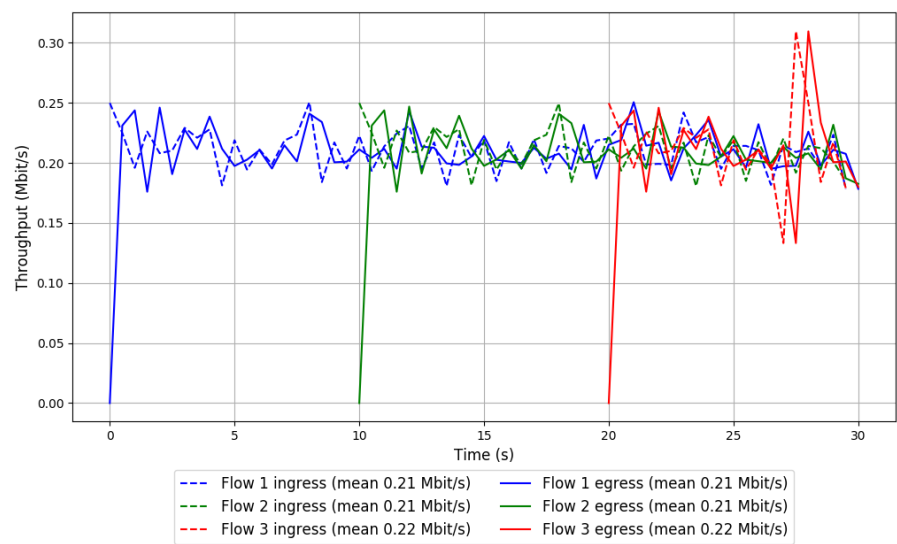


Run 8: Statistics of SReAM

Start at: 2018-07-04 13:24:41
End at: 2018-07-04 13:25:11
Local clock offset: 1.181 ms
Remote clock offset: -10.155 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.177 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

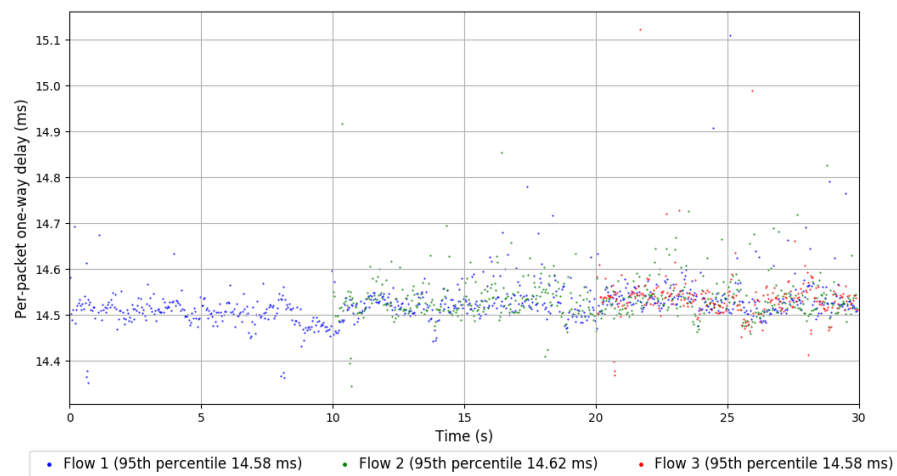
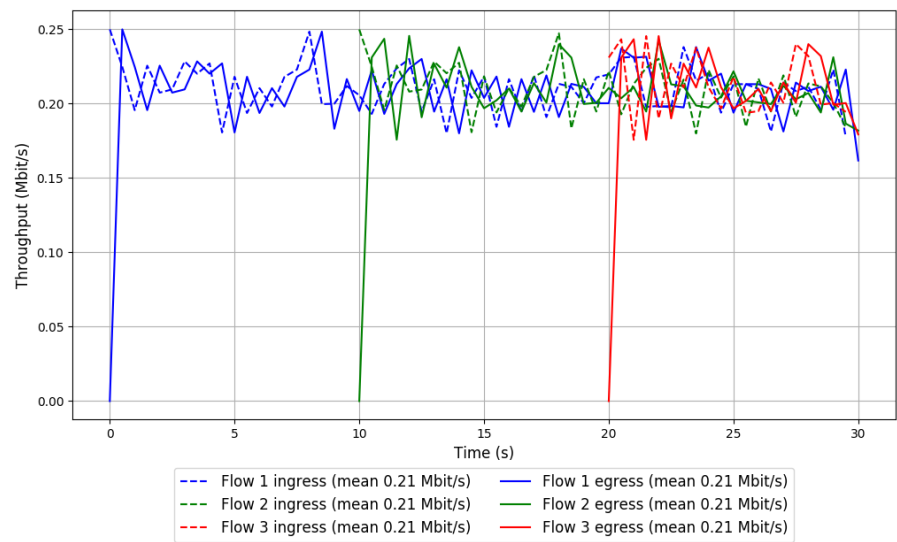


Run 9: Statistics of SReAM

Start at: 2018-07-04 13:45:07
End at: 2018-07-04 13:45:37
Local clock offset: -2.497 ms
Remote clock offset: -5.945 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 14.597 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.584 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.615 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.584 ms
Loss rate: 0.36%

Run 9: Report of SCReAM — Data Link

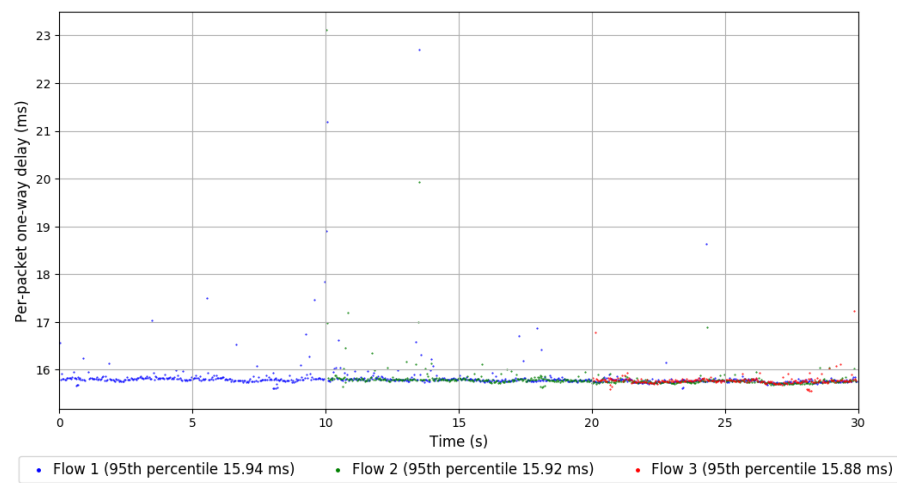
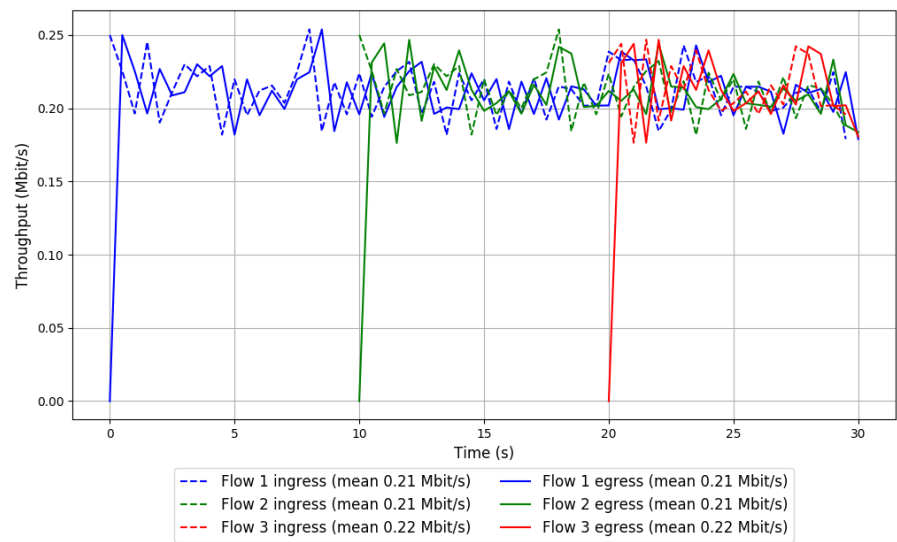


Run 10: Statistics of SReAM

Start at: 2018-07-04 14:06:56
End at: 2018-07-04 14:07:26
Local clock offset: 1.325 ms
Remote clock offset: -5.483 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.923 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.916 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.881 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-04 11:08:22

End at: 2018-07-04 11:08:52

Local clock offset: -0.985 ms

Remote clock offset: 6.435 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 21.914 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 21.060 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 21.936 ms

Loss rate: 0.18%

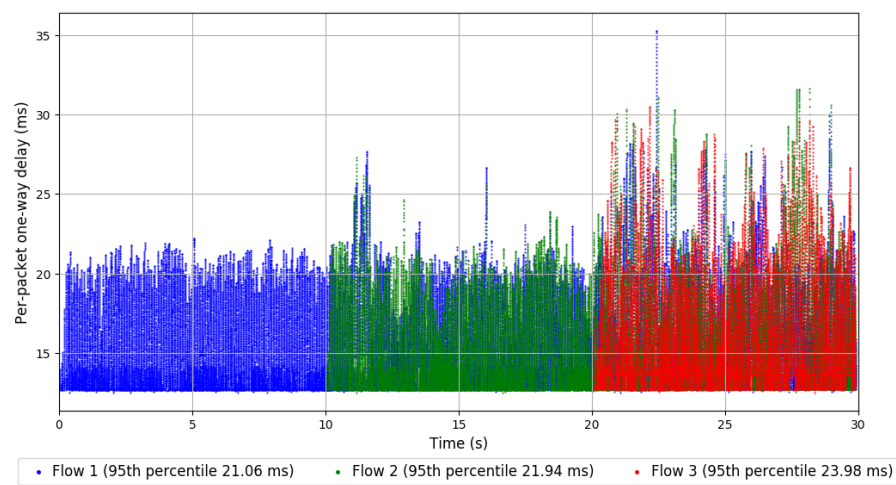
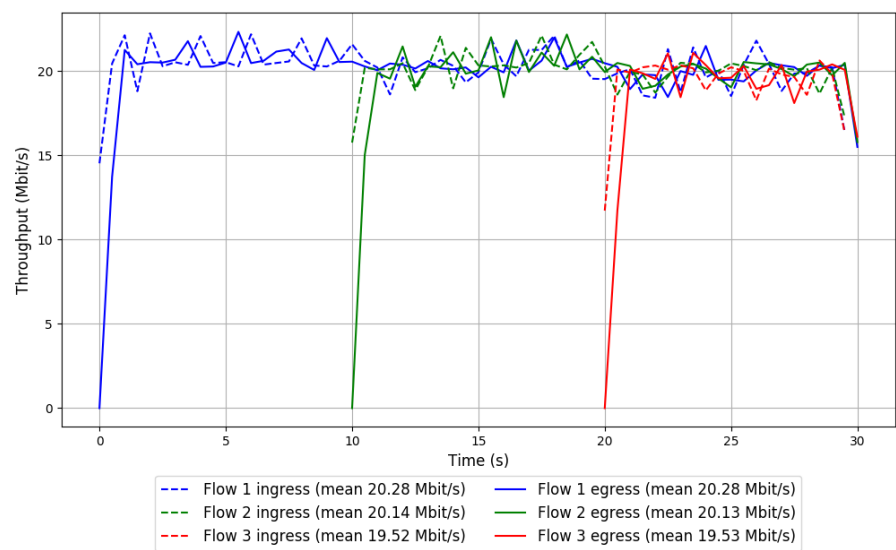
-- Flow 3:

Average throughput: 19.53 Mbit/s

95th percentile per-packet one-way delay: 23.983 ms

Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

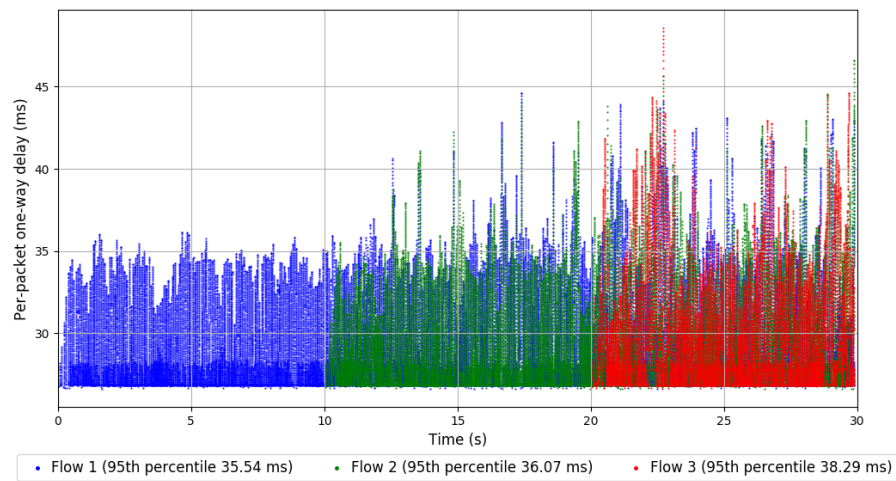
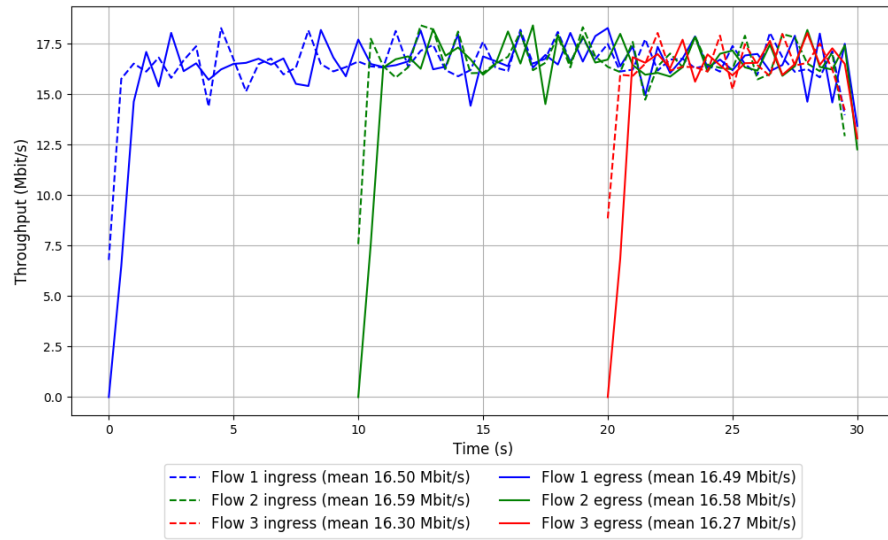


Run 2: Statistics of Sprout

Start at: 2018-07-04 11:28:44
End at: 2018-07-04 11:29:14
Local clock offset: 0.369 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 36.235 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 35.538 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 36.073 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 38.294 ms
Loss rate: 0.53%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-04 11:49:41

End at: 2018-07-04 11:50:11

Local clock offset: 0.878 ms

Remote clock offset: 2.077 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 30.885 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 16.49 Mbit/s

95th percentile per-packet one-way delay: 30.634 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 30.919 ms

Loss rate: 0.28%

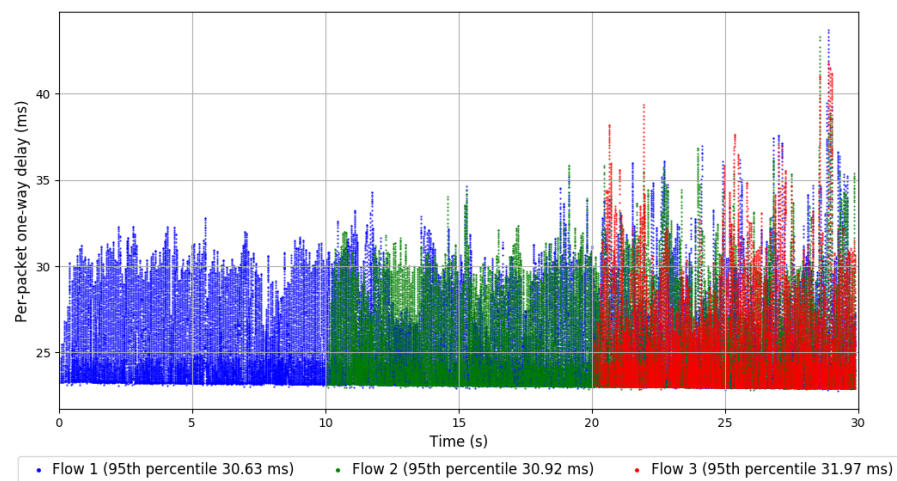
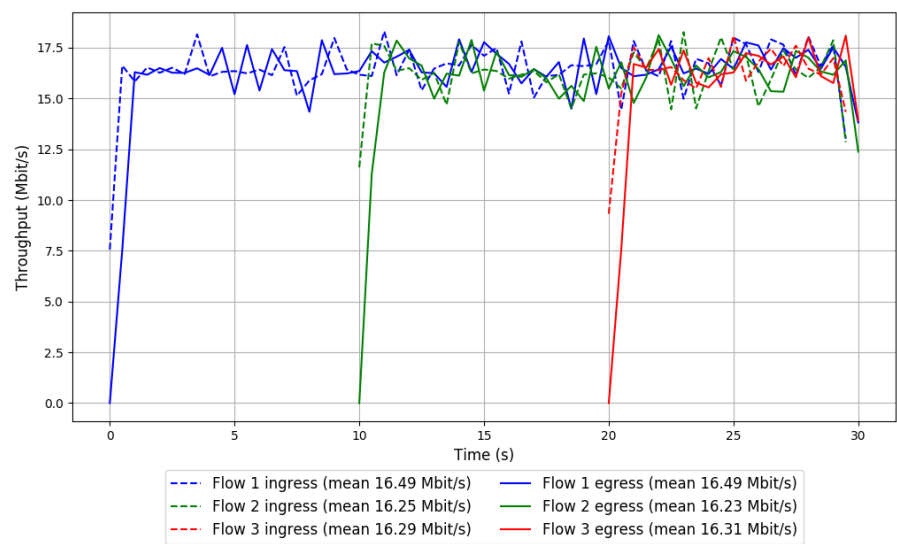
-- Flow 3:

Average throughput: 16.31 Mbit/s

95th percentile per-packet one-way delay: 31.966 ms

Loss rate: 0.23%

Run 3: Report of Sprout — Data Link

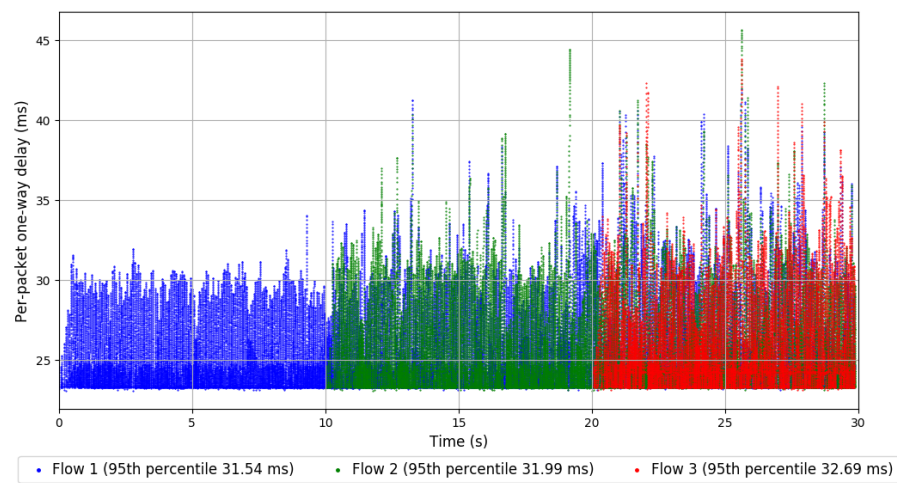
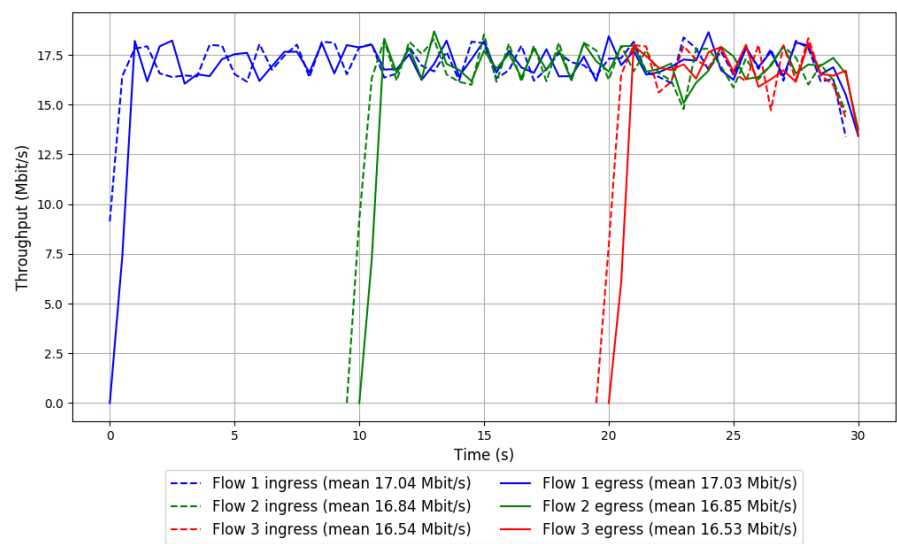


Run 4: Statistics of Sprout

Start at: 2018-07-04 12:10:30
End at: 2018-07-04 12:11:00
Local clock offset: 0.618 ms
Remote clock offset: -3.412 ms

```
# Below is generated by plot.py at 2018-07-04 14:37:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 31.987 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 32.692 ms
Loss rate: 0.60%
```

Run 4: Report of Sprout — Data Link

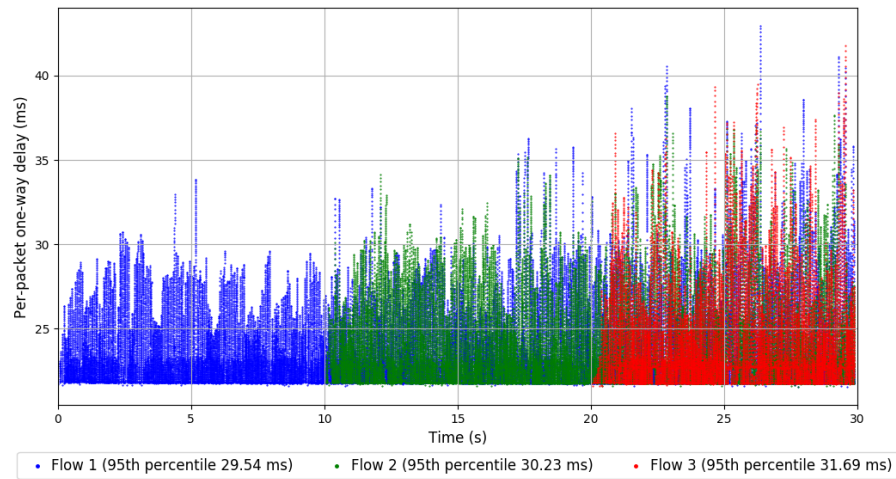
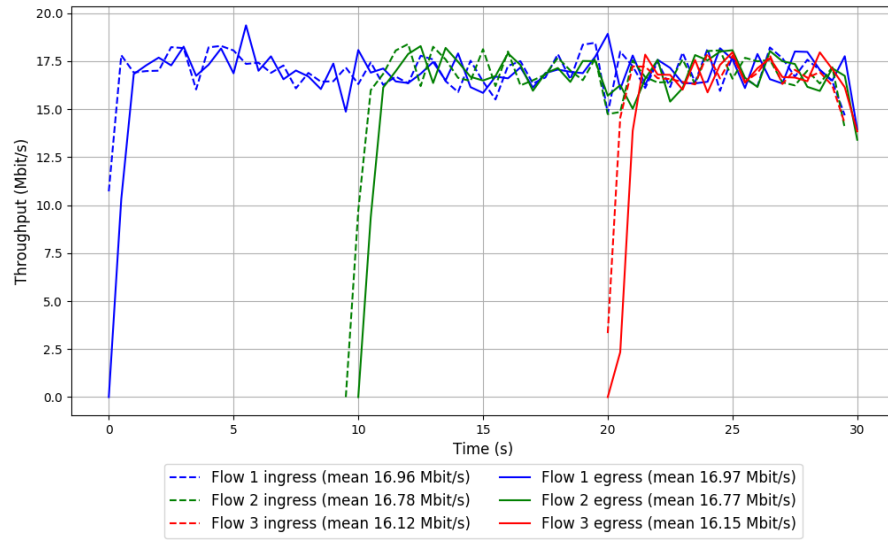


Run 5: Statistics of Sprout

Start at: 2018-07-04 12:31:11
End at: 2018-07-04 12:31:41
Local clock offset: -1.787 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 30.209 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 29.537 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 30.235 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.22%

Run 5: Report of Sprout — Data Link

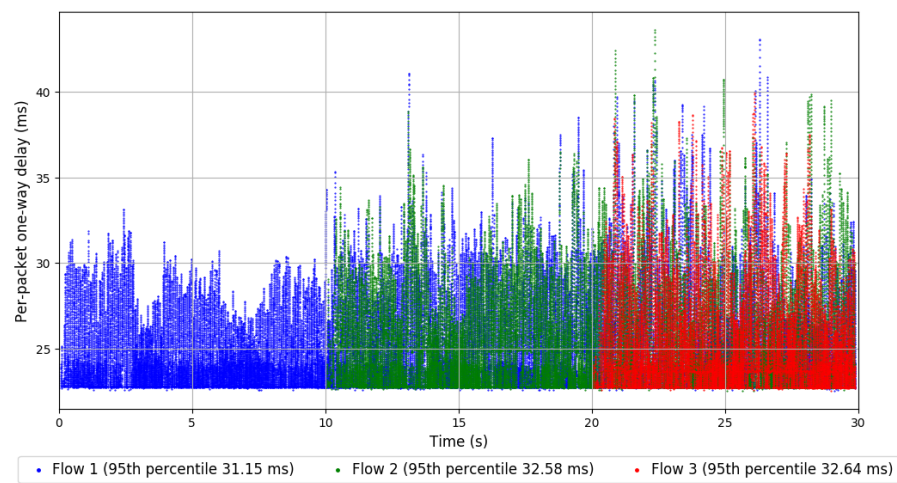
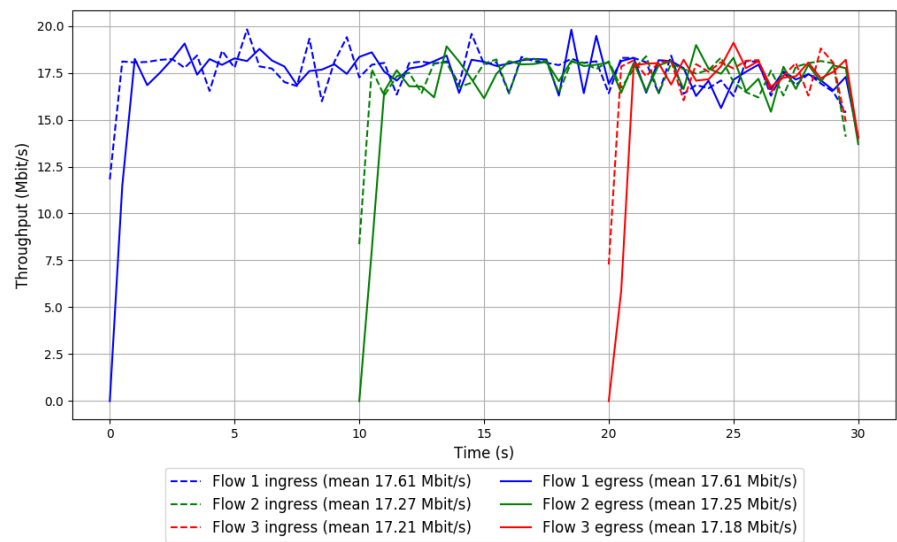


Run 6: Statistics of Sprout

Start at: 2018-07-04 12:51:48
End at: 2018-07-04 12:52:18
Local clock offset: 1.228 ms
Remote clock offset: -7.351 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 31.950 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 31.147 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 32.584 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 32.641 ms
Loss rate: 0.59%

Run 6: Report of Sprout — Data Link

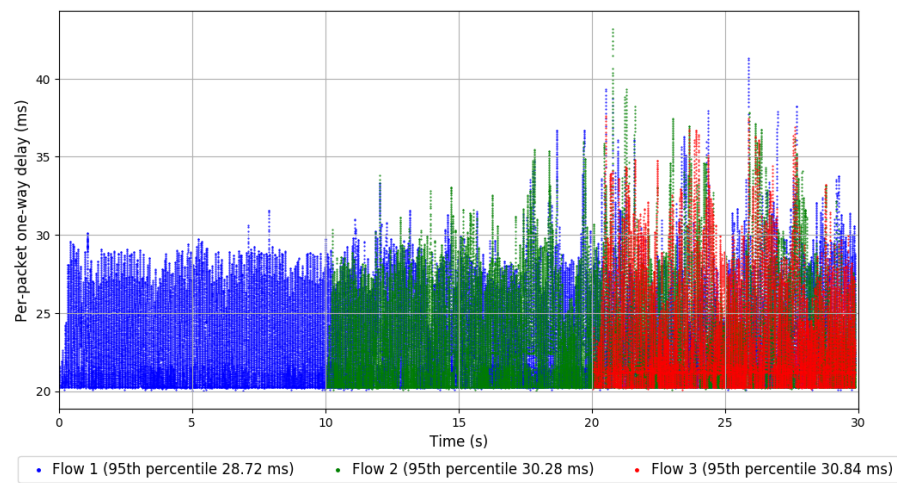
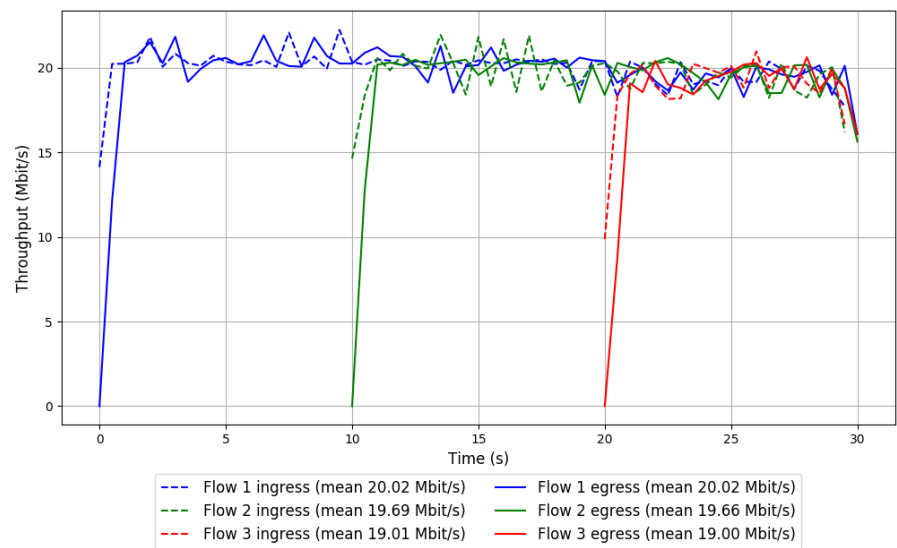


Run 7: Statistics of Sprout

Start at: 2018-07-04 13:12:25
End at: 2018-07-04 13:12:55
Local clock offset: 1.701 ms
Remote clock offset: -8.882 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 29.571 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 28.724 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 30.284 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 30.840 ms
Loss rate: 0.55%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-04 13:32:54

End at: 2018-07-04 13:33:24

Local clock offset: 2.32 ms

Remote clock offset: -9.56 ms

Below is generated by plot.py at 2018-07-04 14:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 32.261 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 19.58 Mbit/s

95th percentile per-packet one-way delay: 31.443 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 19.37 Mbit/s

95th percentile per-packet one-way delay: 32.389 ms

Loss rate: 0.24%

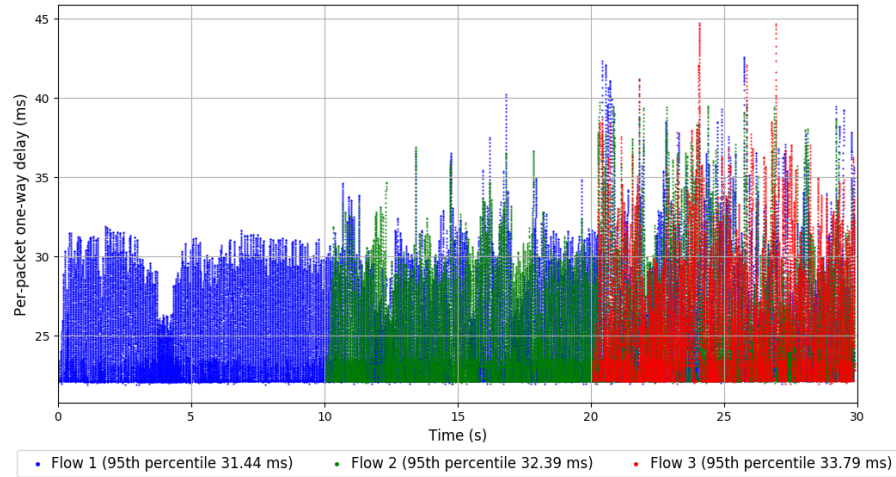
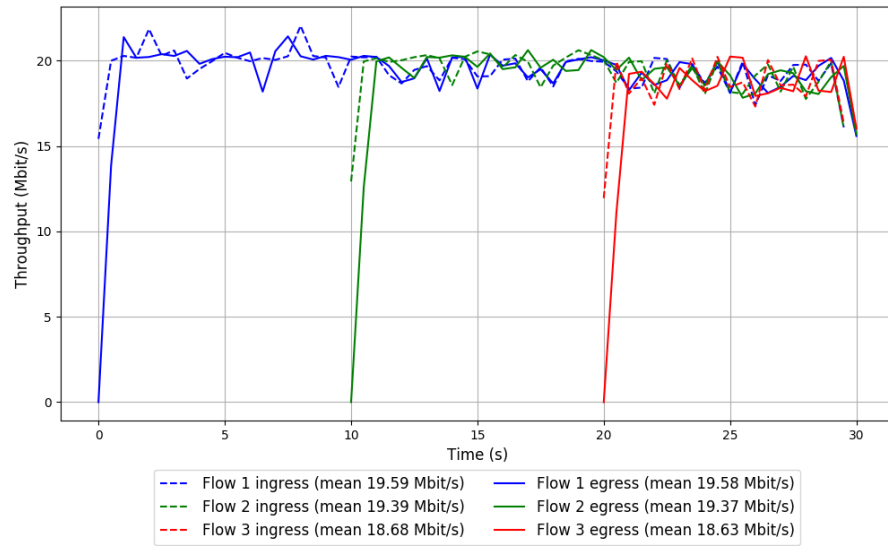
-- Flow 3:

Average throughput: 18.63 Mbit/s

95th percentile per-packet one-way delay: 33.792 ms

Loss rate: 0.53%

Run 8: Report of Sprout — Data Link

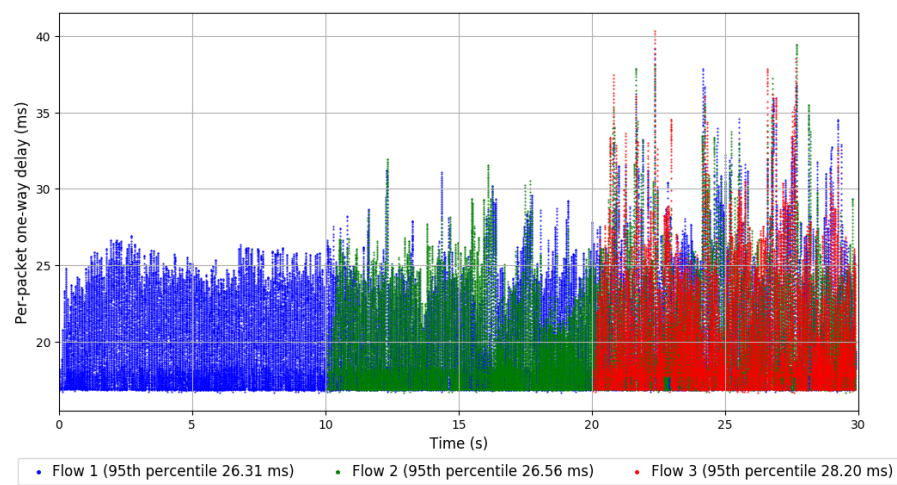
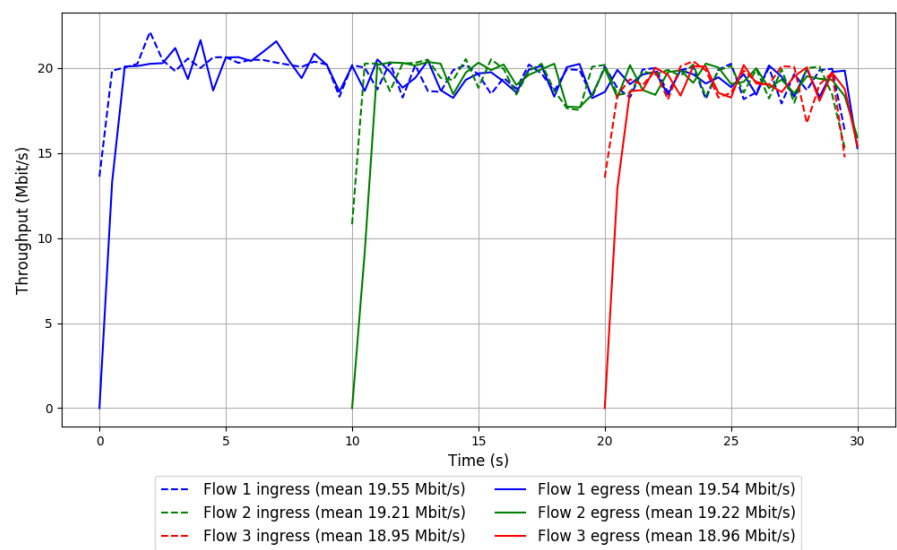


Run 9: Statistics of Sprout

Start at: 2018-07-04 13:53:33
End at: 2018-07-04 13:54:03
Local clock offset: -0.268 ms
Remote clock offset: -5.952 ms

Below is generated by plot.py at 2018-07-04 14:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 26.765 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 26.311 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 26.564 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 28.200 ms
Loss rate: 0.08%

Run 9: Report of Sprout — Data Link

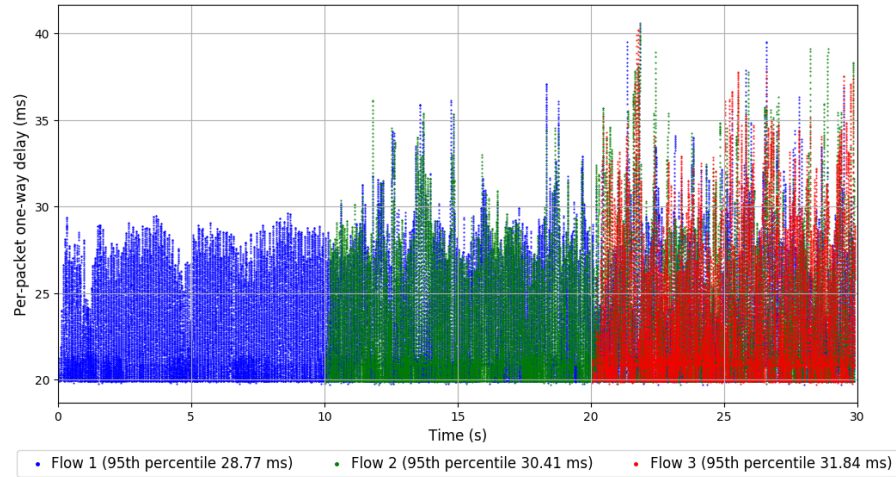
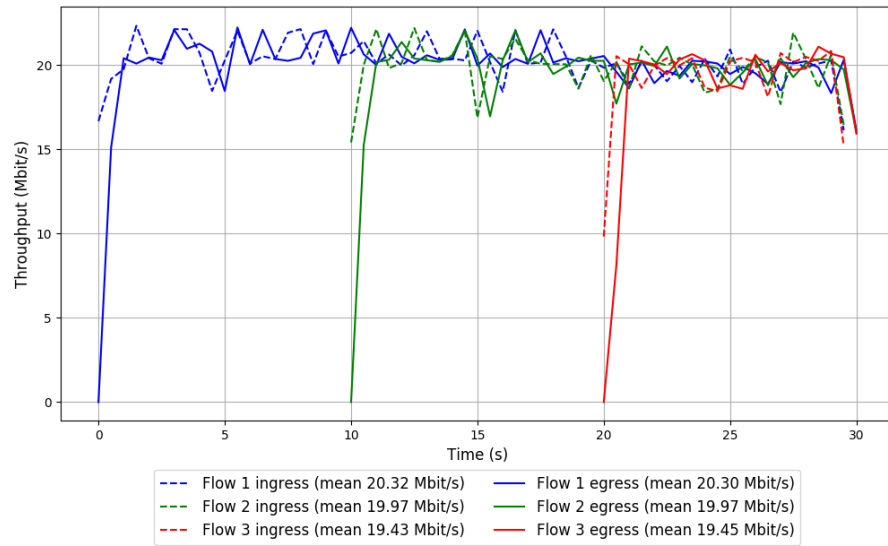


Run 10: Statistics of Sprout

Start at: 2018-07-04 14:15:27
End at: 2018-07-04 14:15:57
Local clock offset: 3.055 ms
Remote clock offset: -8.633 ms

Below is generated by plot.py at 2018-07-04 14:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 29.923 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 28.769 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 30.407 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 31.842 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

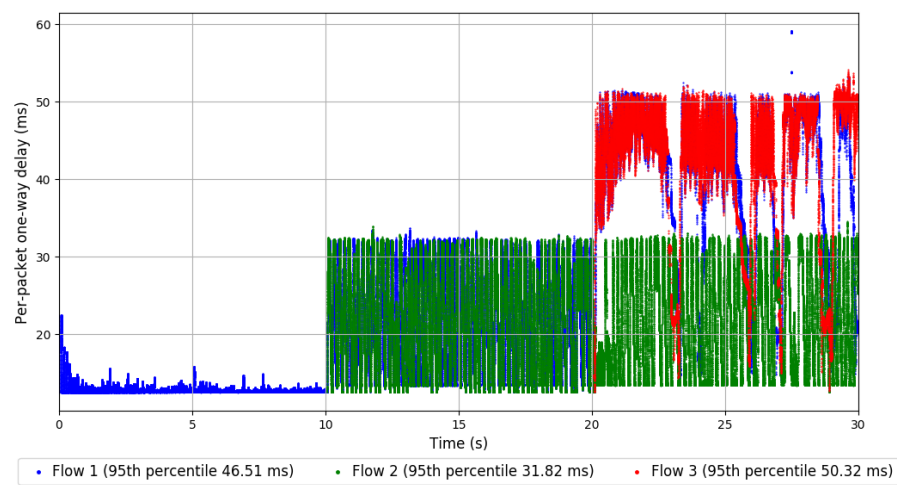
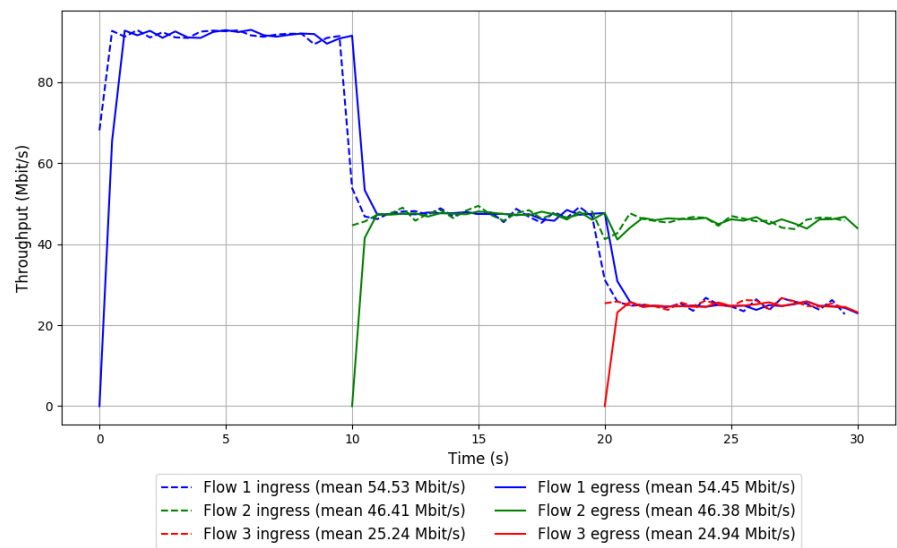


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 11:09:32
End at: 2018-07-04 11:10:02
Local clock offset: -1.799 ms
Remote clock offset: 5.847 ms

# Below is generated by plot.py at 2018-07-04 14:39:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 47.501 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 46.511 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 50.319 ms
Loss rate: 1.56%
```

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

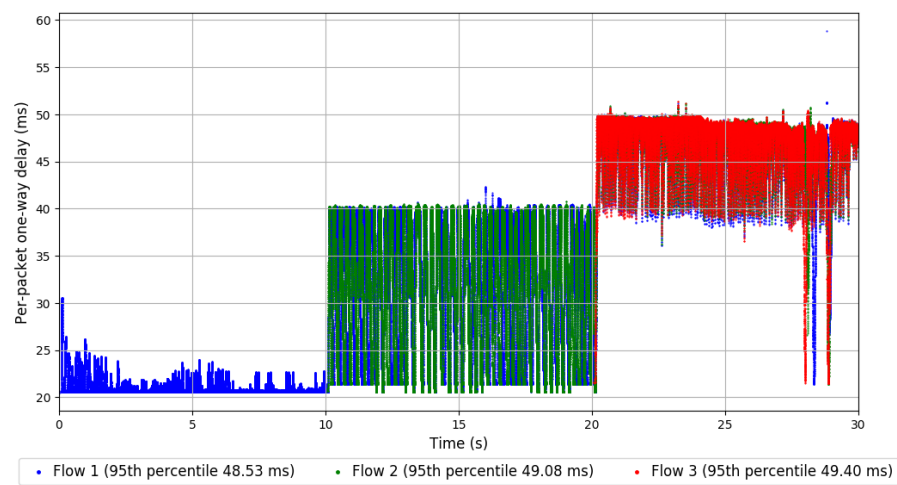
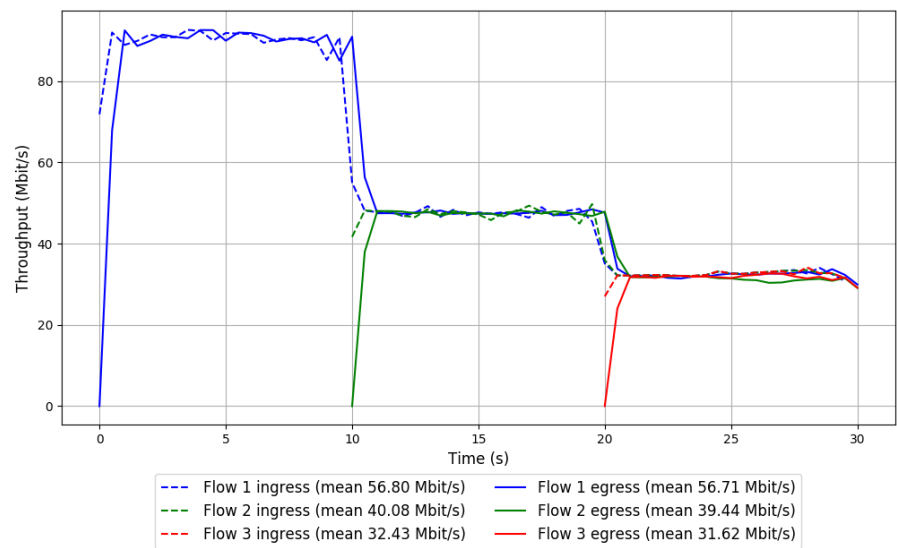


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 11:29:54
End at: 2018-07-04 11:30:24
Local clock offset: -2.144 ms
Remote clock offset: 2.965 ms

# Below is generated by plot.py at 2018-07-04 14:39:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 48.989 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 48.533 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 49.084 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 49.402 ms
Loss rate: 2.86%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 11:50:53

End at: 2018-07-04 11:51:23

Local clock offset: -0.282 ms

Remote clock offset: 3.212 ms

Below is generated by plot.py at 2018-07-04 14:39:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 56.656 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 56.471 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 57.383 ms

Loss rate: 0.52%

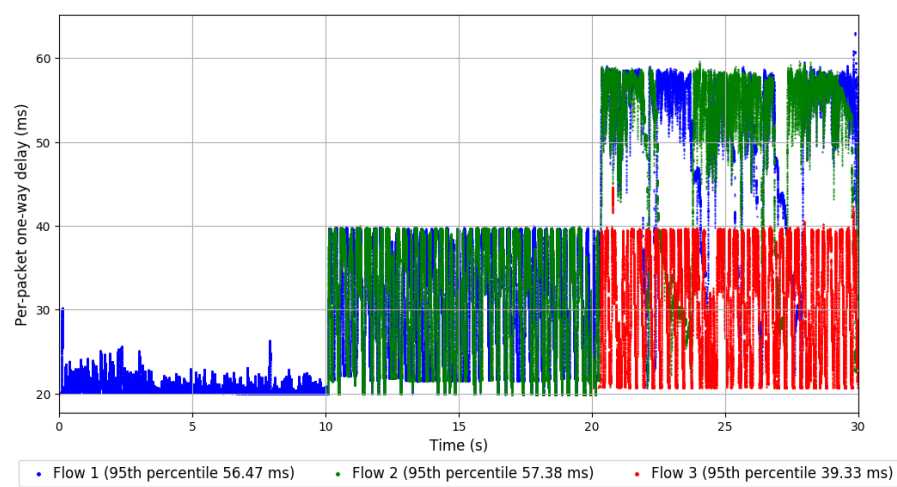
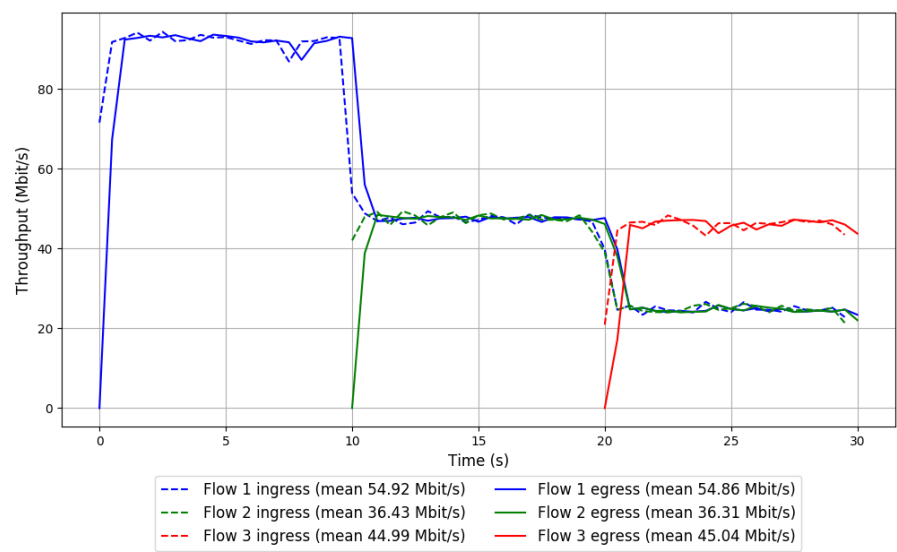
-- Flow 3:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 39.333 ms

Loss rate: 0.29%

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

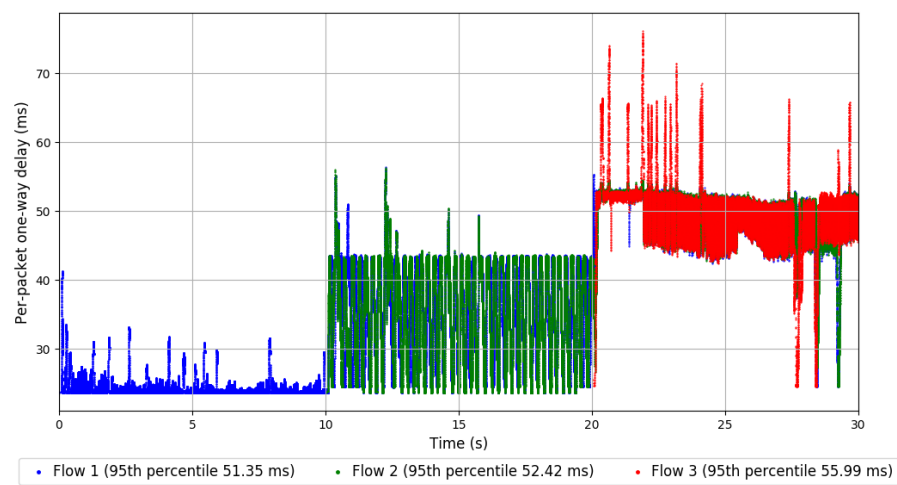
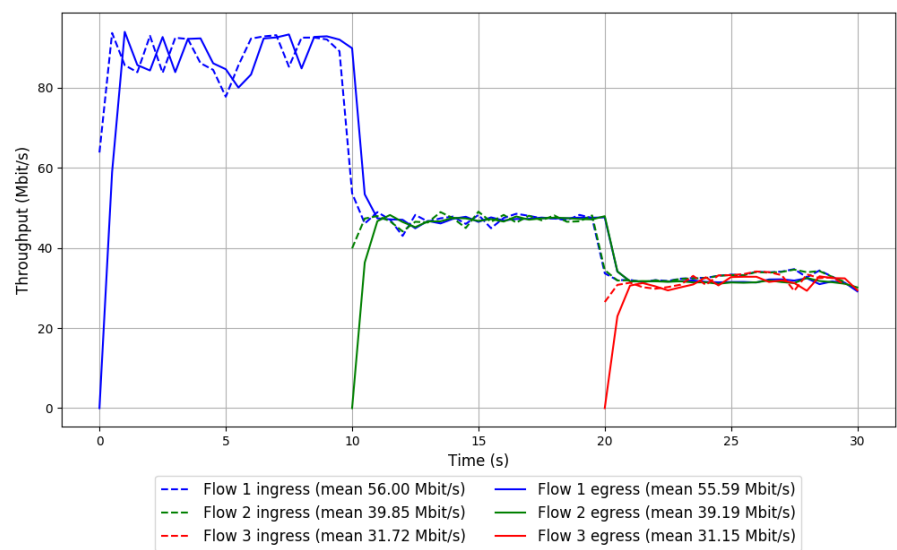


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 12:11:39
End at: 2018-07-04 12:12:09
Local clock offset: 0.977 ms
Remote clock offset: -3.475 ms

Below is generated by plot.py at 2018-07-04 14:39:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 52.285 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 51.350 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 52.423 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 55.993 ms
Loss rate: 2.34%

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

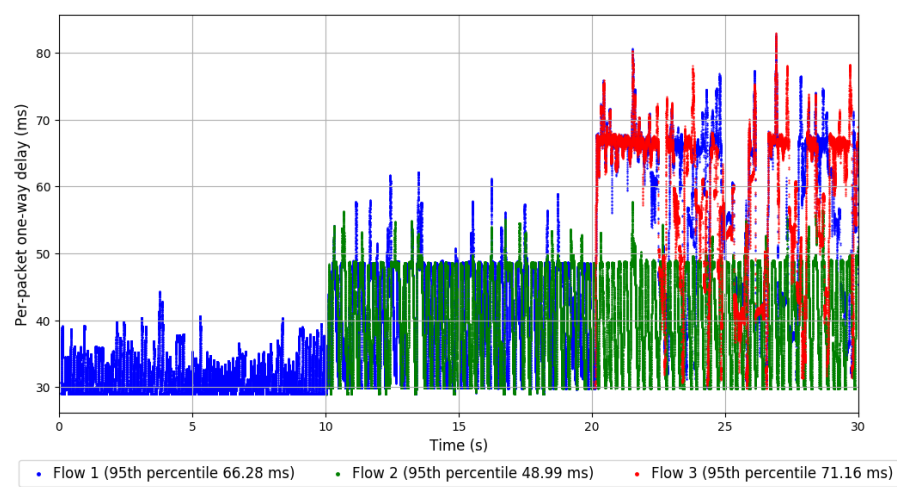
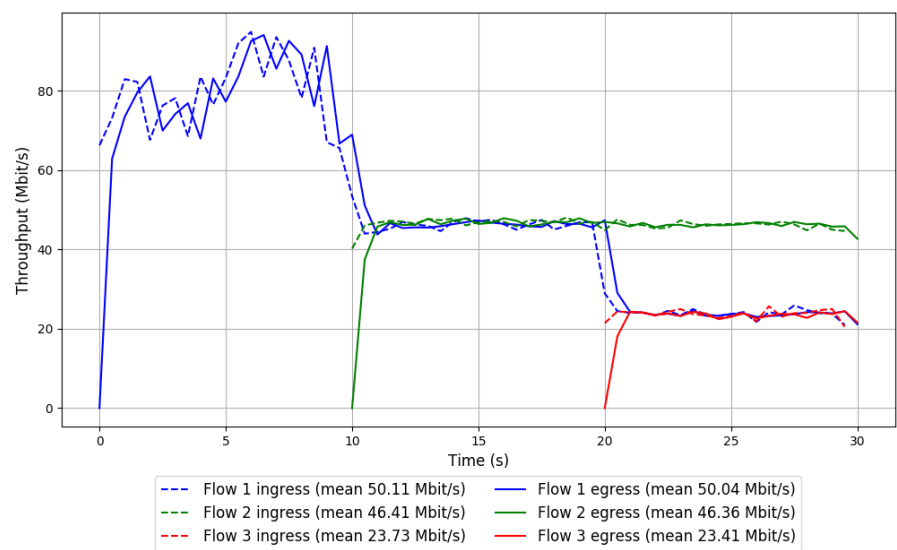


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 12:32:21
End at: 2018-07-04 12:32:51
Local clock offset: 2.277 ms
Remote clock offset: -9.324 ms

Below is generated by plot.py at 2018-07-04 14:39:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 66.565 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 66.279 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 48.992 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 71.164 ms
Loss rate: 1.70%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 12:52:59

End at: 2018-07-04 12:53:29

Local clock offset: 0.017 ms

Remote clock offset: -8.4 ms

Below is generated by plot.py at 2018-07-04 14:39:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 51.311 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 54.24 Mbit/s

95th percentile per-packet one-way delay: 51.113 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 51.291 ms

Loss rate: 1.85%

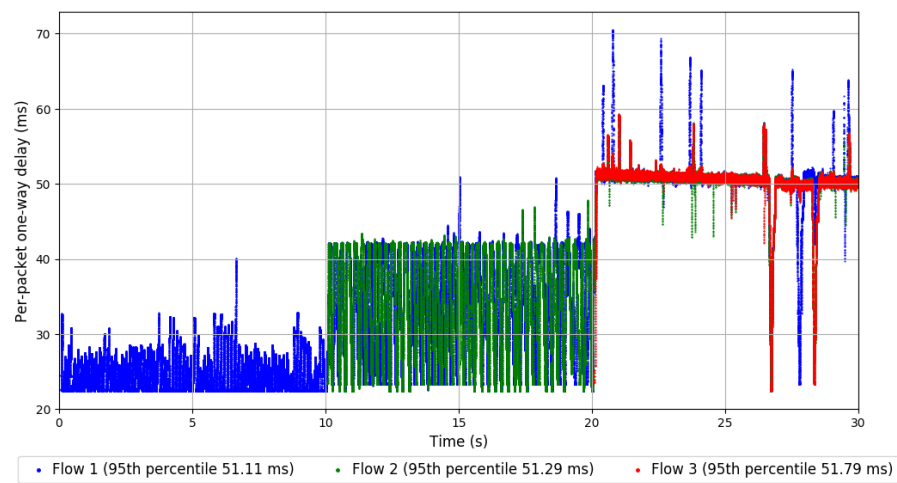
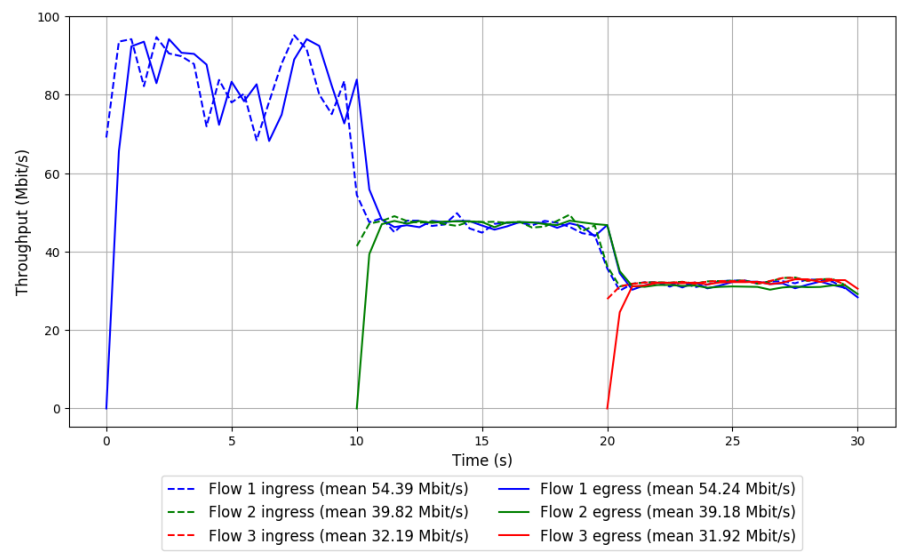
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 51.793 ms

Loss rate: 1.31%

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

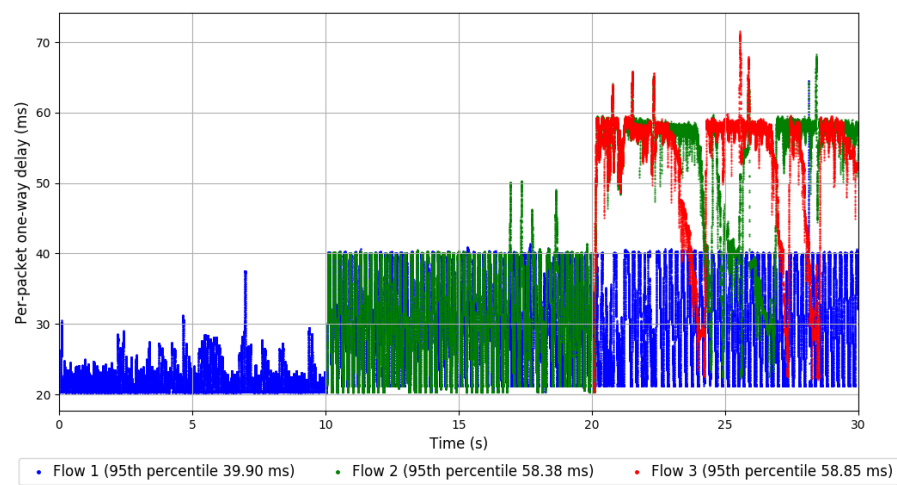
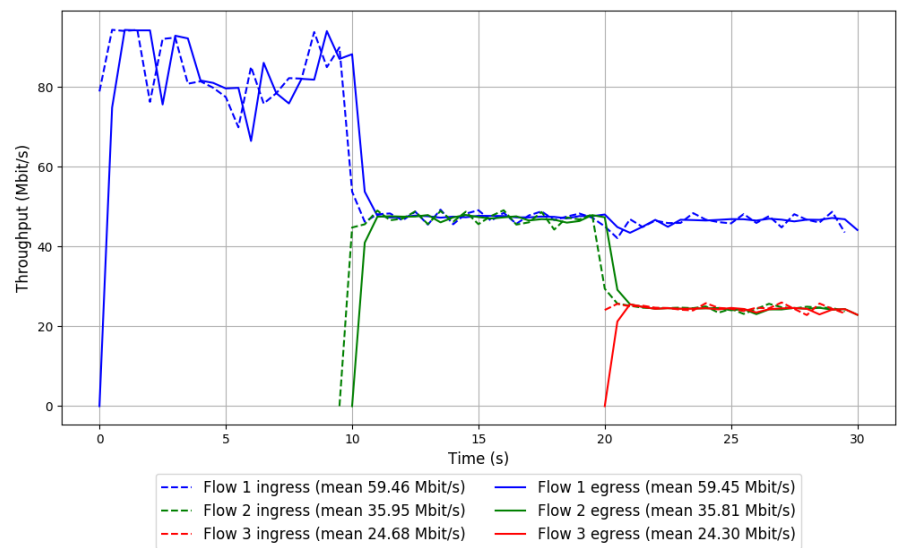


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 13:13:34
End at: 2018-07-04 13:14:04
Local clock offset: 0.73 ms
Remote clock offset: -9.945 ms

Below is generated by plot.py at 2018-07-04 14:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 57.940 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 39.904 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 58.377 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 1.82%

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

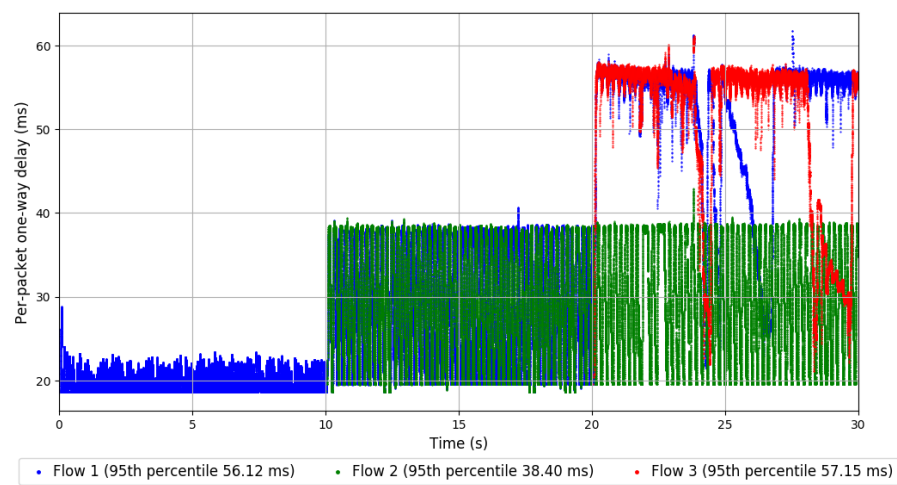
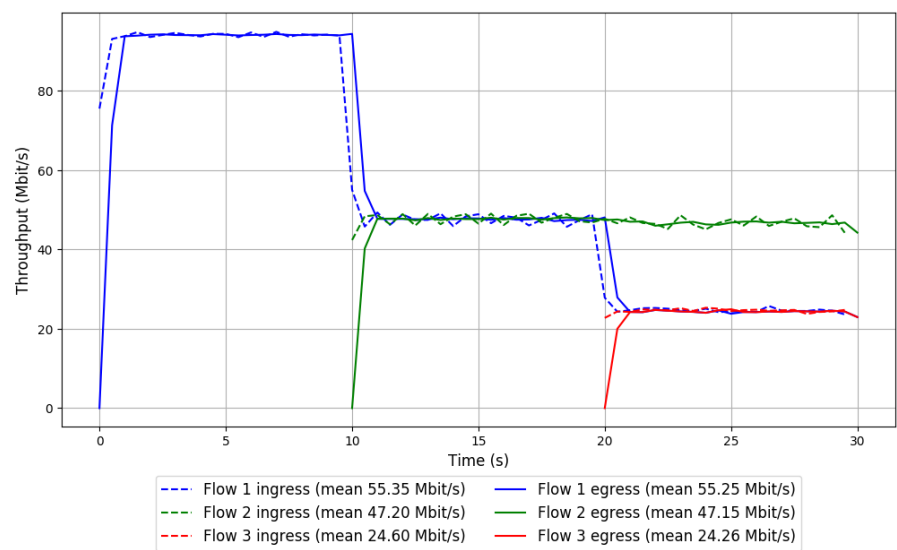


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 13:34:01
End at: 2018-07-04 13:34:32
Local clock offset: 0.22 ms
Remote clock offset: -8.078 ms

Below is generated by plot.py at 2018-07-04 14:39:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 56.310 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 56.124 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 38.402 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 57.153 ms
Loss rate: 1.78%

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

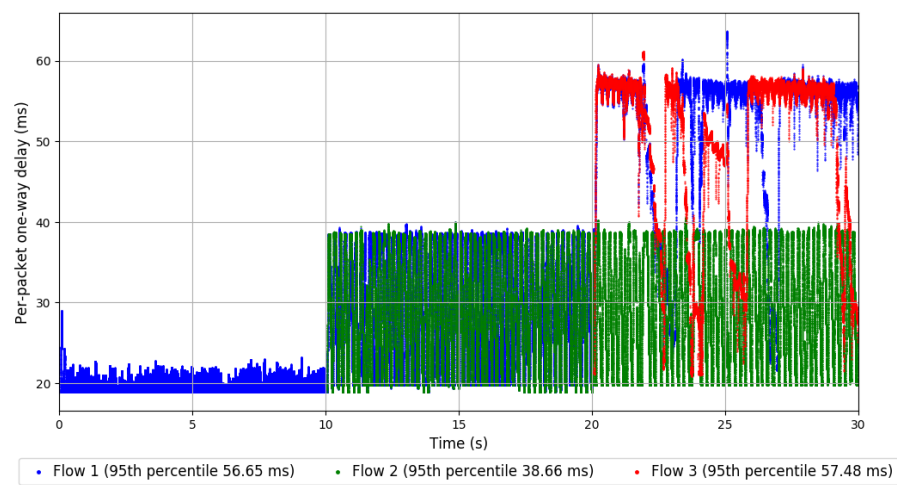
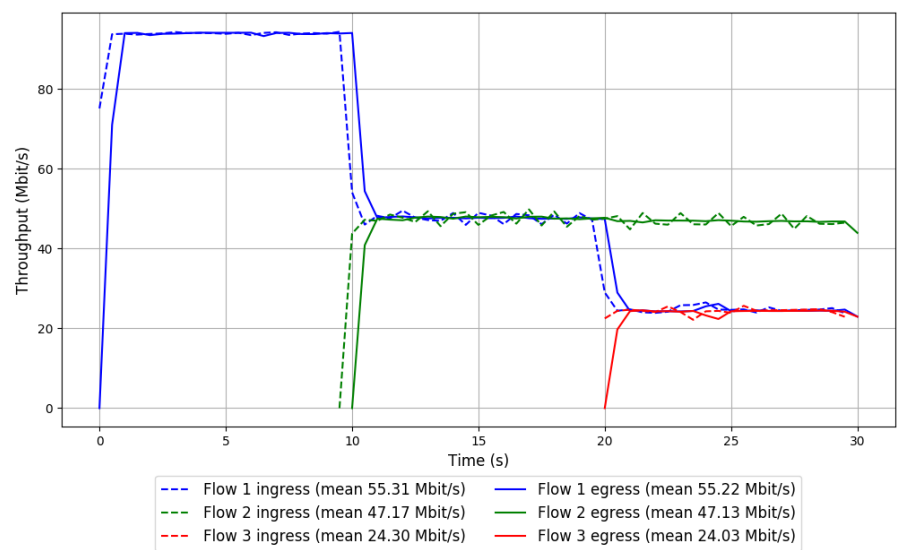


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 13:54:42
End at: 2018-07-04 13:55:12
Local clock offset: 2.323 ms
Remote clock offset: -5.435 ms

Below is generated by plot.py at 2018-07-04 14:41:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 56.697 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 56.648 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 38.663 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 57.476 ms
Loss rate: 1.41%

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

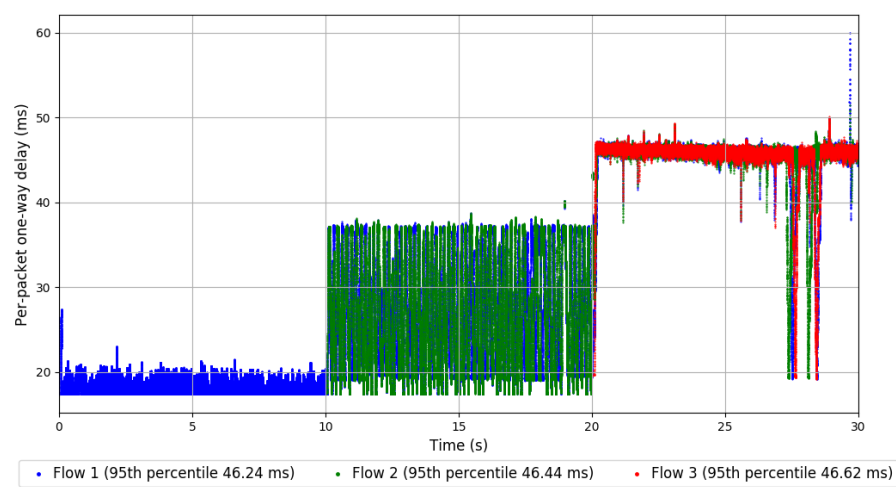
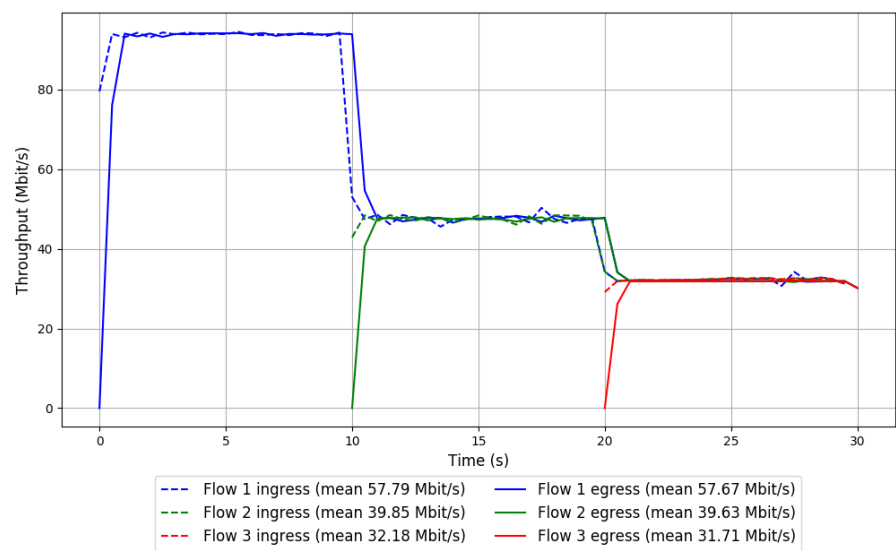


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 14:16:39
End at: 2018-07-04 14:17:09
Local clock offset: 2.819 ms
Remote clock offset: -6.451 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 46.404 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 46.438 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 46.617 ms
Loss rate: 1.87%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 10:57:38

End at: 2018-07-04 10:58:08

Local clock offset: -2.251 ms

Remote clock offset: 3.981 ms

Below is generated by plot.py at 2018-07-04 14:41:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.22 Mbit/s

95th percentile per-packet one-way delay: 20.897 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 29.39 Mbit/s

95th percentile per-packet one-way delay: 22.006 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 20.535 ms

Loss rate: 0.12%

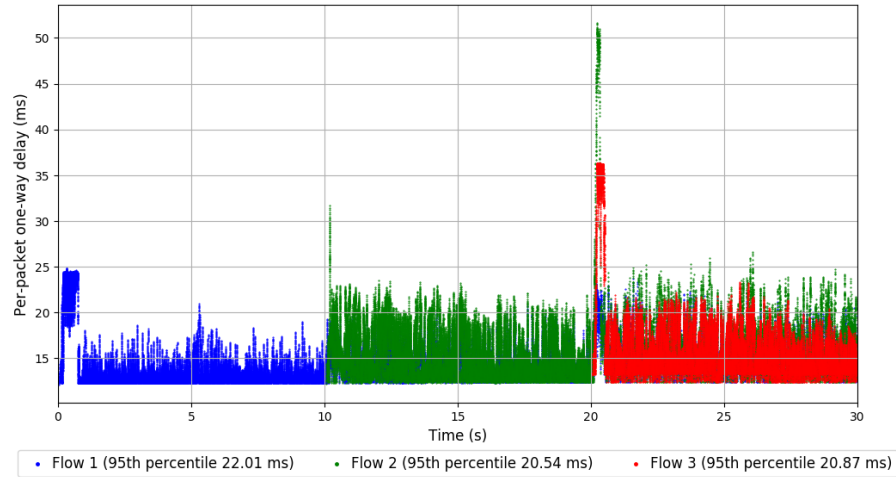
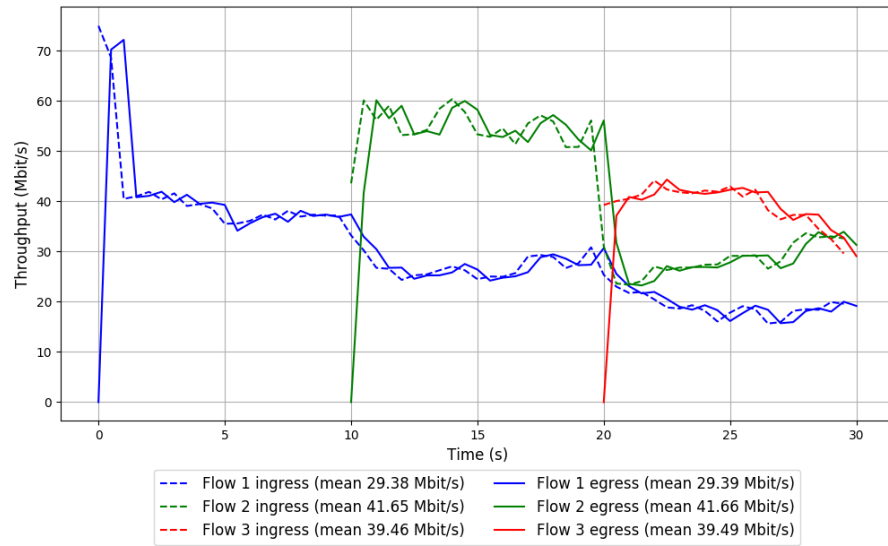
-- Flow 3:

Average throughput: 39.49 Mbit/s

95th percentile per-packet one-way delay: 20.869 ms

Loss rate: 0.19%

Run 1: Report of TCP Vegas — Data Link

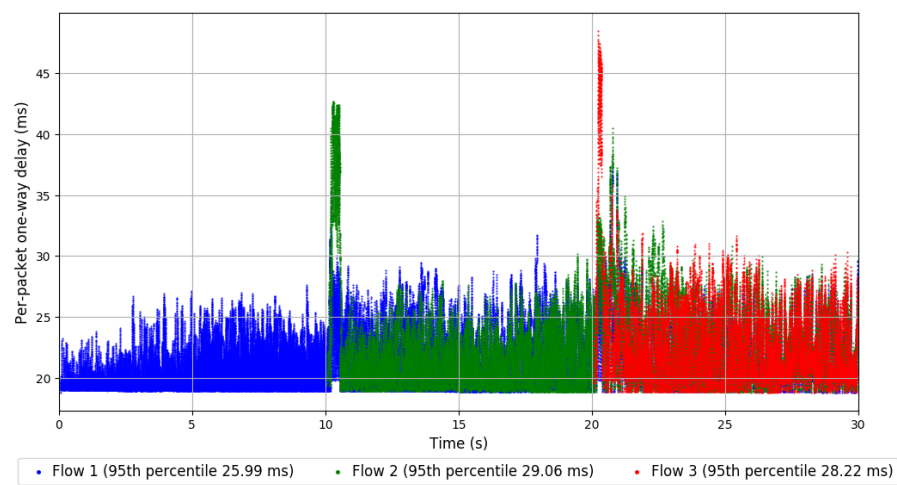
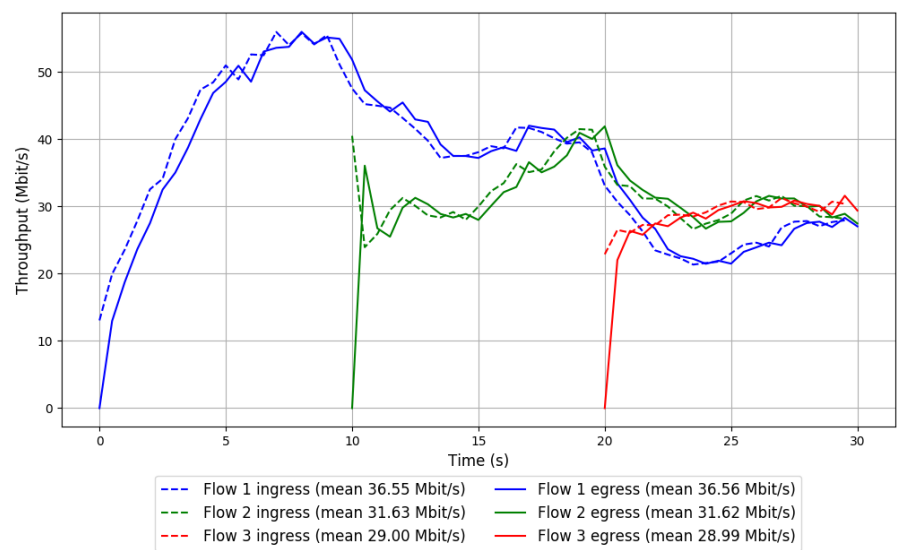


Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 11:17:58
End at: 2018-07-04 11:18:28
Local clock offset: -1.565 ms
Remote clock offset: 0.756 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 27.206 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 25.987 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 29.060 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 28.217 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 11:38:48

End at: 2018-07-04 11:39:18

Local clock offset: -1.135 ms

Remote clock offset: 2.776 ms

Below is generated by plot.py at 2018-07-04 14:41:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 41.940 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 41.952 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 39.451 ms

Loss rate: 0.18%

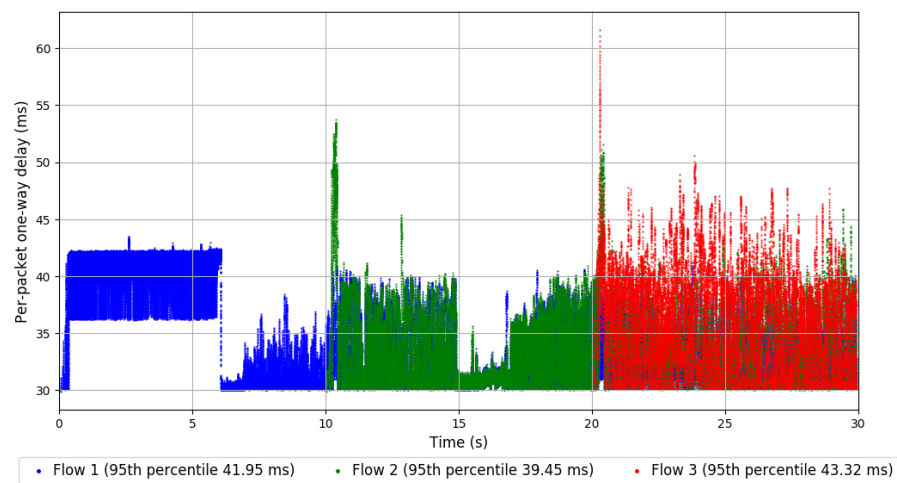
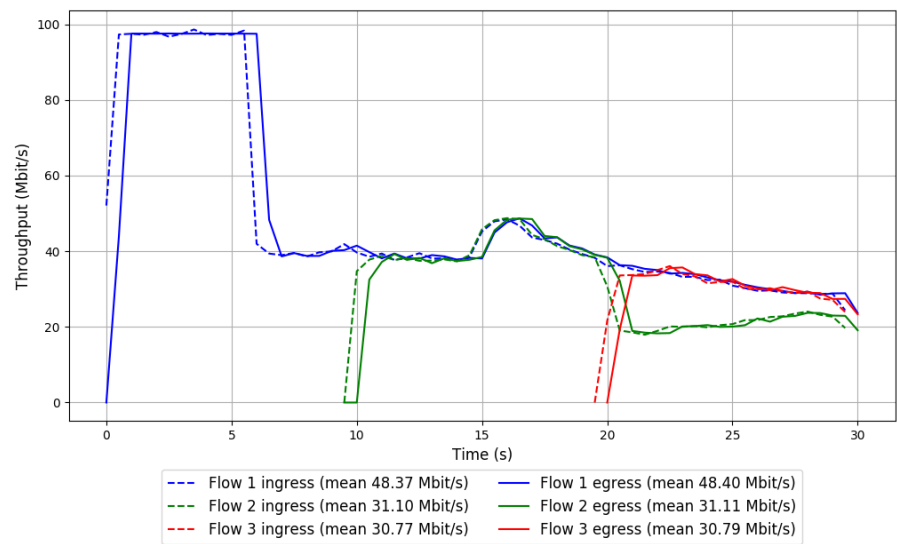
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 43.319 ms

Loss rate: 0.43%

Run 3: Report of TCP Vegas — Data Link

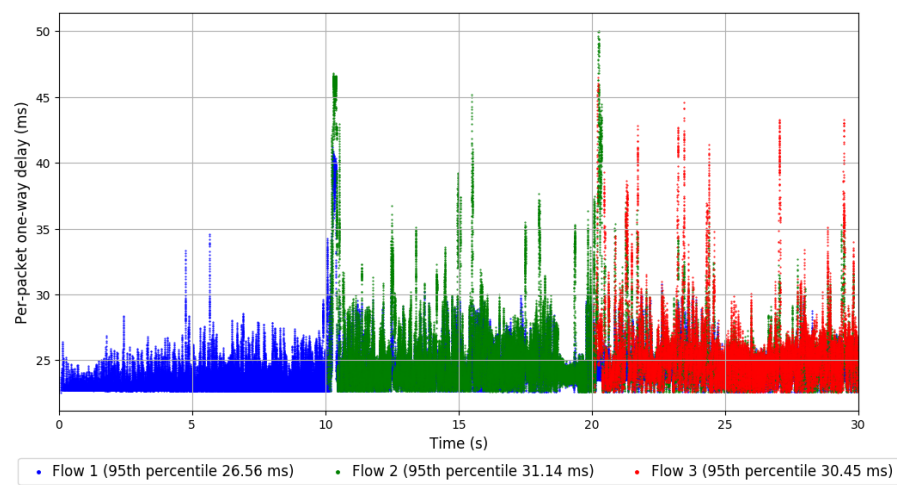
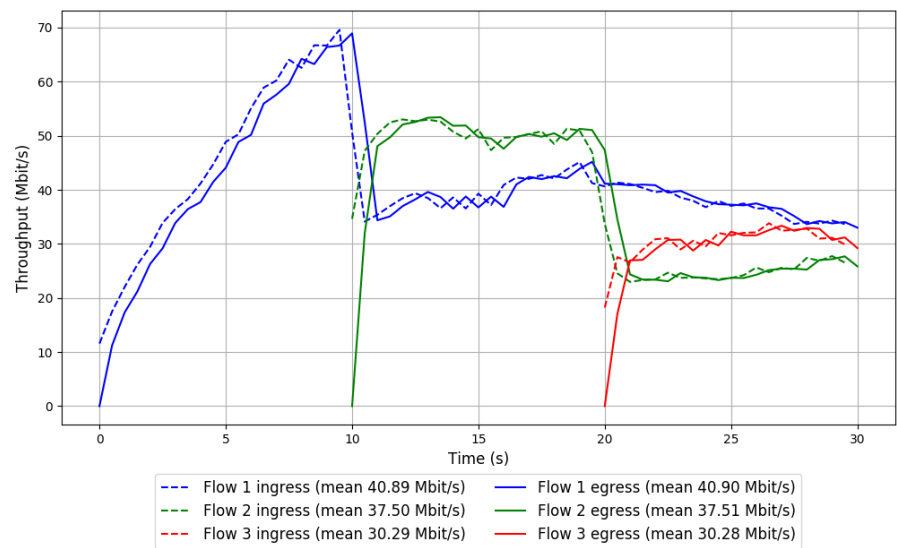


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 11:59:38
End at: 2018-07-04 12:00:08
Local clock offset: 0.893 ms
Remote clock offset: -1.931 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 28.425 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 26.558 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 31.138 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 30.453 ms
Loss rate: 0.39%

Run 4: Report of TCP Vegas — Data Link

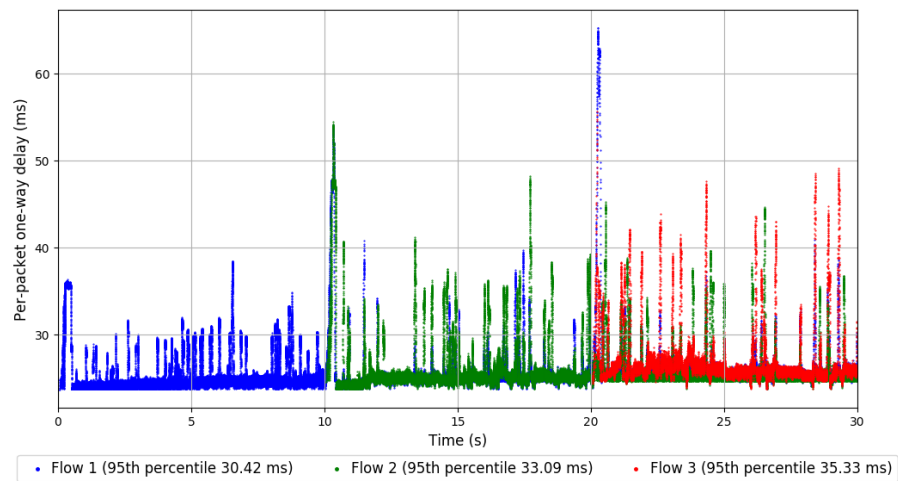
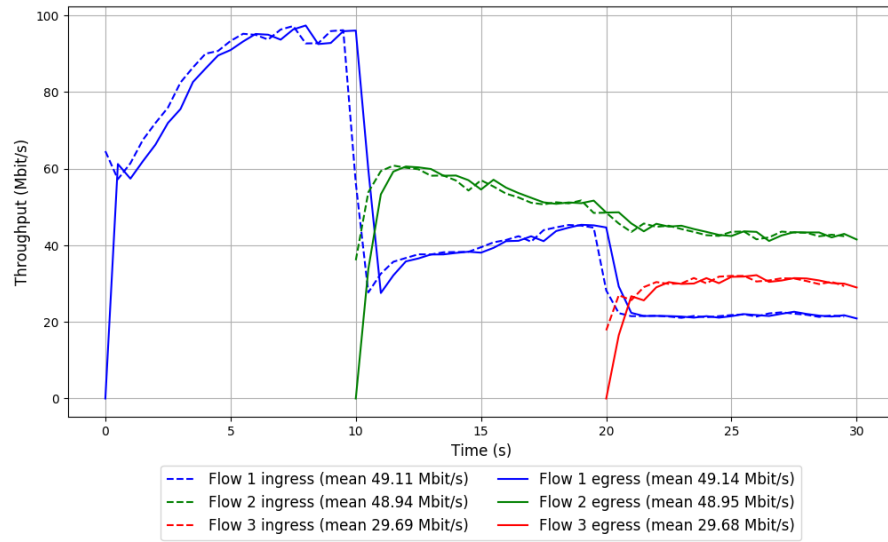


Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 12:20:31
End at: 2018-07-04 12:21:01
Local clock offset: 0.752 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 31.930 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 30.421 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 33.086 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 35.325 ms
Loss rate: 0.36%

Run 5: Report of TCP Vegas — Data Link

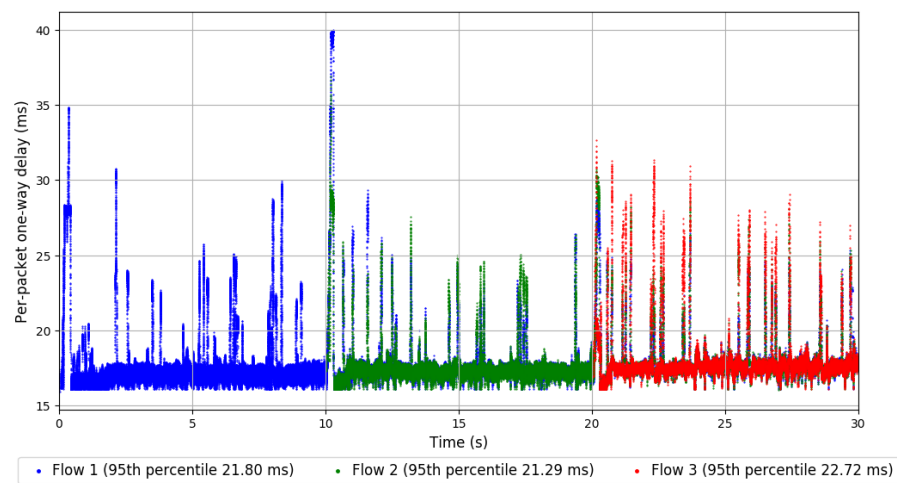
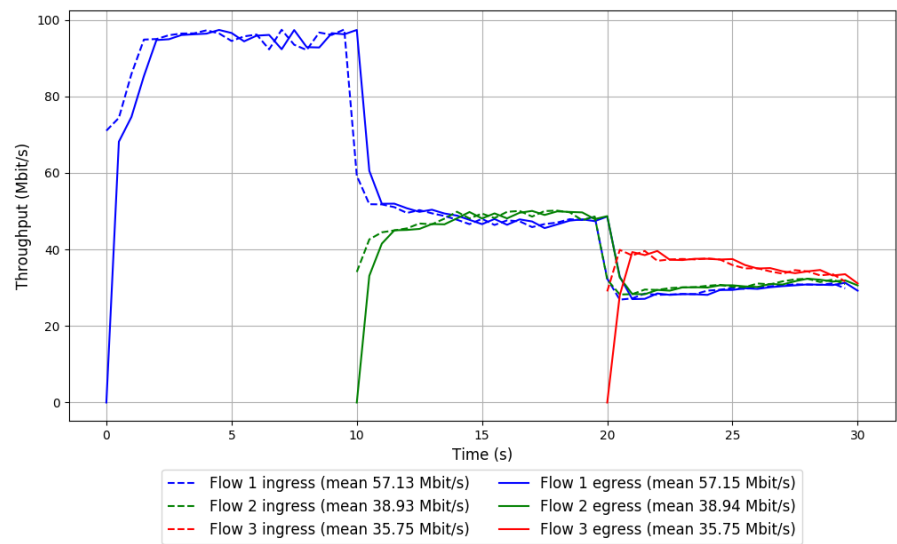


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 12:41:01
End at: 2018-07-04 12:41:31
Local clock offset: 2.238 ms
Remote clock offset: -7.277 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 21.765 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 21.800 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 21.285 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 22.719 ms
Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link

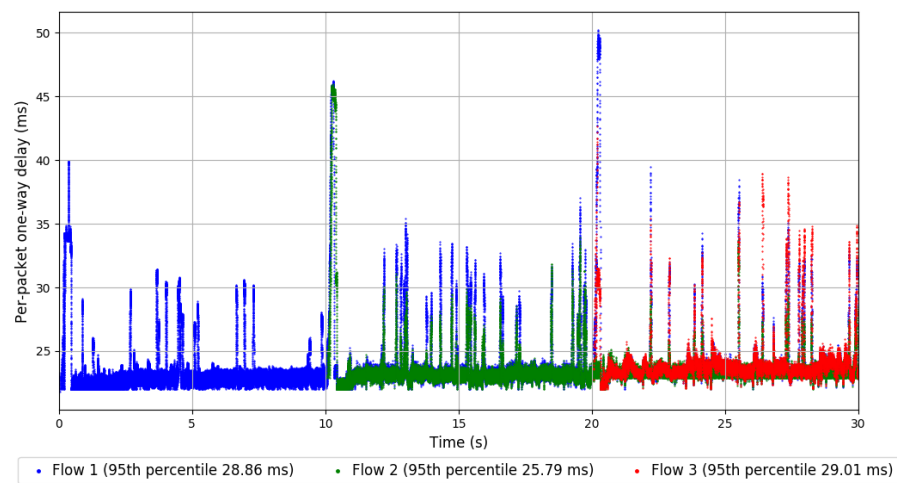
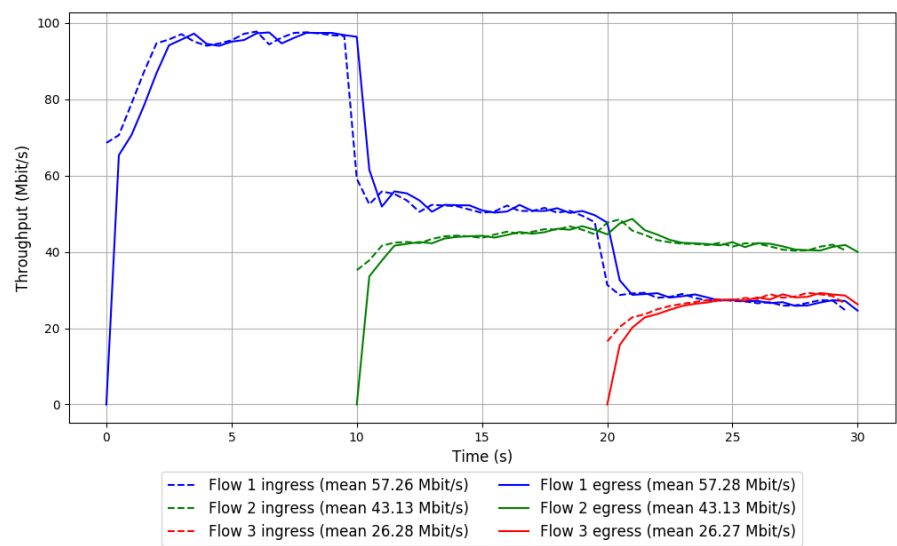


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 13:01:53
End at: 2018-07-04 13:02:23
Local clock offset: 3.452 ms
Remote clock offset: -9.737 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 27.809 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 28.863 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 25.785 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 29.012 ms
Loss rate: 0.31%

Run 7: Report of TCP Vegas — Data Link

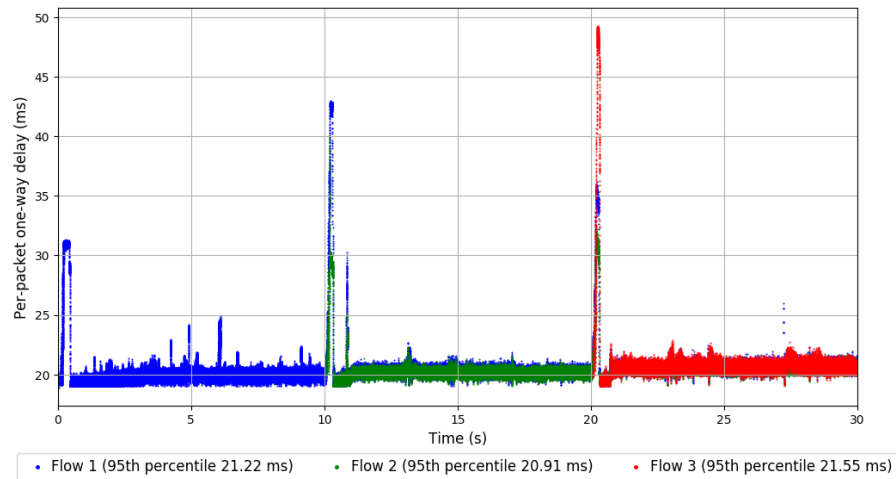
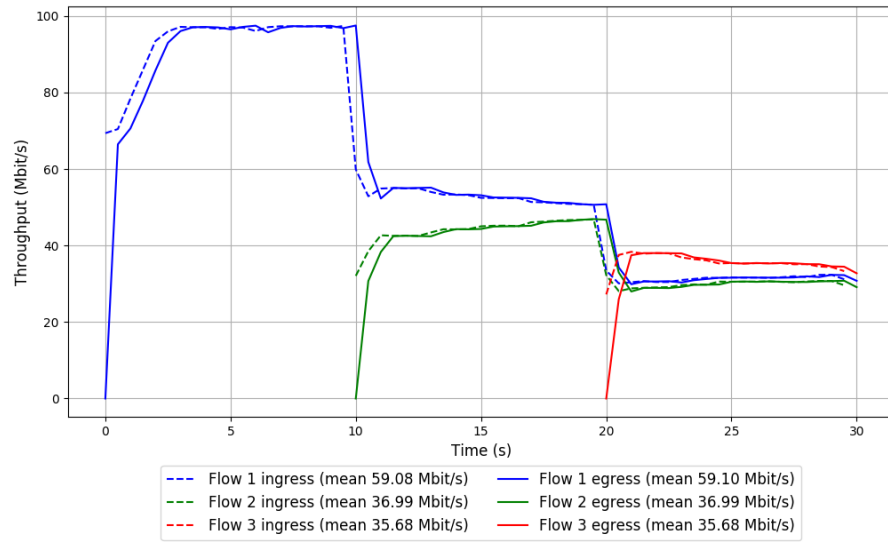


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 13:22:12
End at: 2018-07-04 13:22:42
Local clock offset: -0.773 ms
Remote clock offset: -10.046 ms

Below is generated by plot.py at 2018-07-04 14:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 21.268 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 21.224 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 20.906 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 21.555 ms
Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link

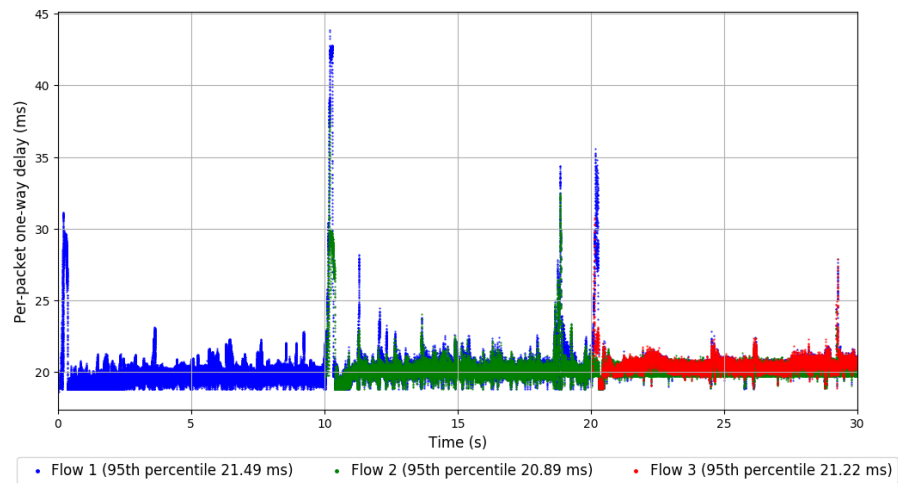
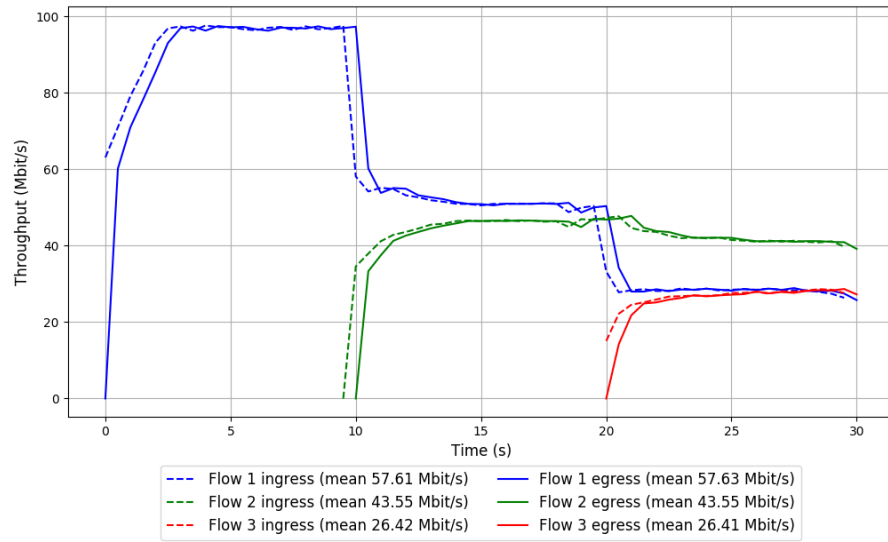


Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 13:42:45
End at: 2018-07-04 13:43:15
Local clock offset: -0.037 ms
Remote clock offset: -7.921 ms

Below is generated by plot.py at 2018-07-04 14:41:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 21.286 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 21.489 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 20.889 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 21.223 ms
Loss rate: 0.30%

Run 9: Report of TCP Vegas — Data Link

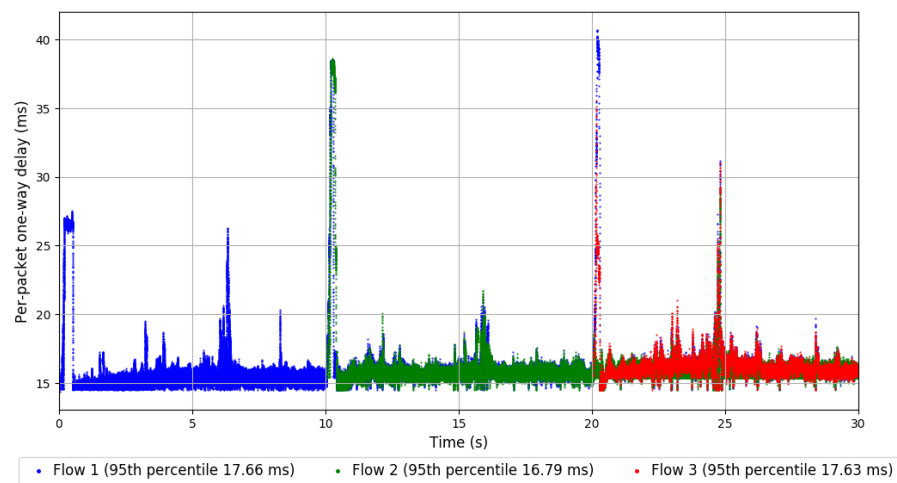
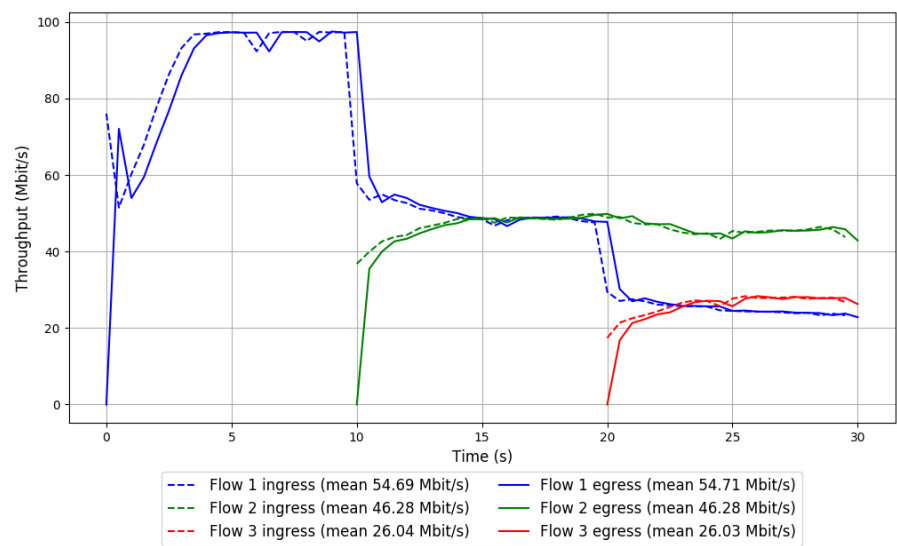


Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 14:04:16
End at: 2018-07-04 14:04:46
Local clock offset: -0.003 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-07-04 14:41:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 17.280 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 17.660 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 16.787 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 17.628 ms
Loss rate: 0.28%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-04 10:58:48

End at: 2018-07-04 10:59:18

Local clock offset: -1.669 ms

Remote clock offset: 4.705 ms

Below is generated by plot.py at 2018-07-04 14:41:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 45.610 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 43.720 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 46.304 ms

Loss rate: 0.53%

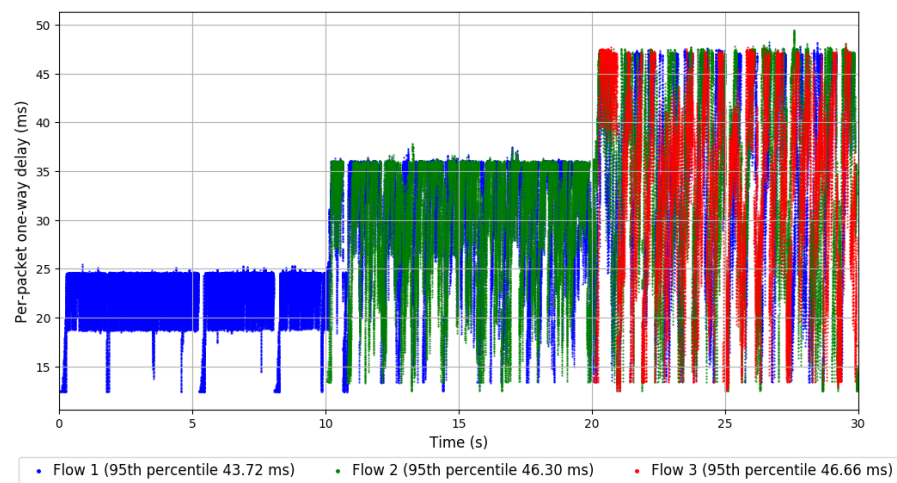
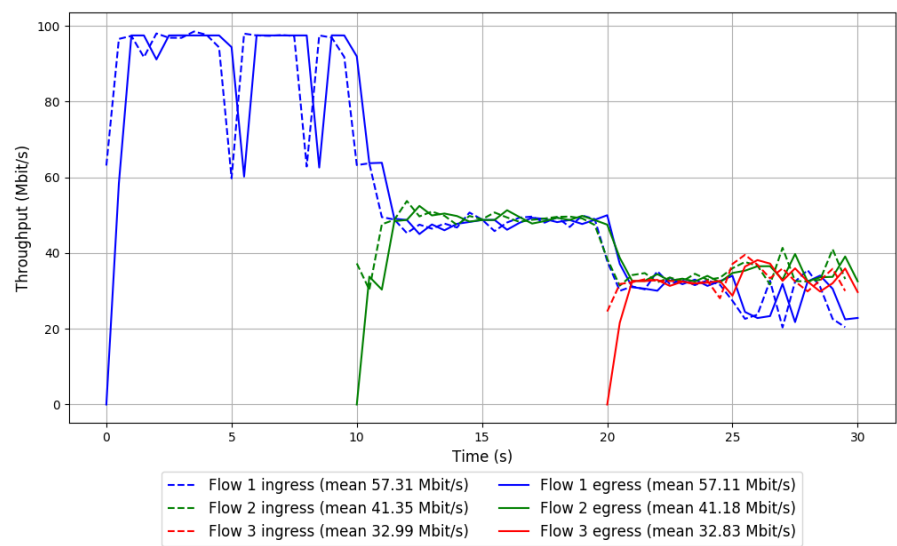
-- Flow 3:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 46.663 ms

Loss rate: 0.99%

Run 1: Report of Verus — Data Link

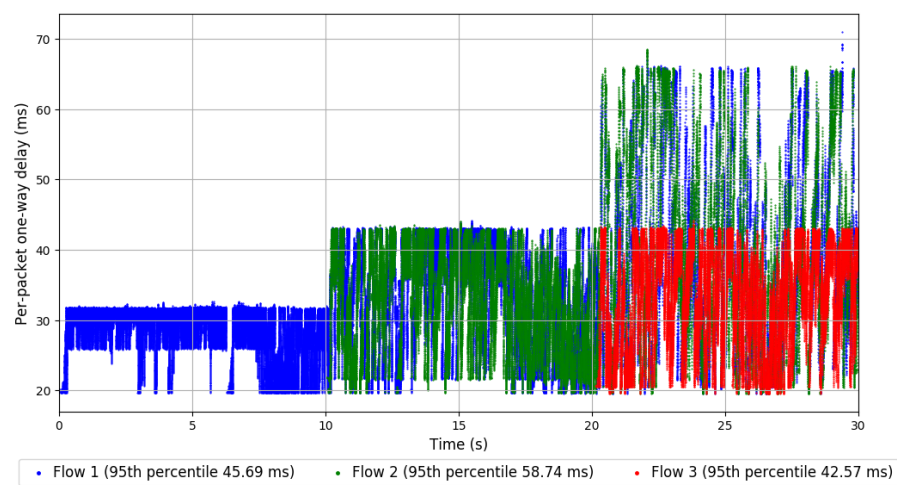
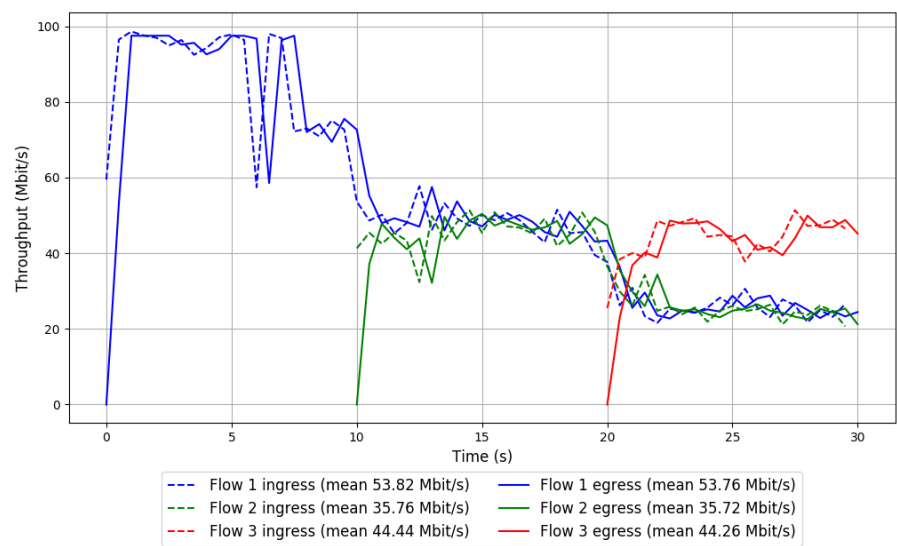


Run 2: Statistics of Verus

Start at: 2018-07-04 11:19:09
End at: 2018-07-04 11:19:39
Local clock offset: 0.809 ms
Remote clock offset: 1.989 ms

Below is generated by plot.py at 2018-07-04 14:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 49.383 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 45.691 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 58.745 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 42.573 ms
Loss rate: 0.74%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-04 11:40:03

End at: 2018-07-04 11:40:33

Local clock offset: 1.418 ms

Remote clock offset: 3.635 ms

Below is generated by plot.py at 2018-07-04 14:42:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 60.980 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 61.826 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 46.726 ms

Loss rate: 0.48%

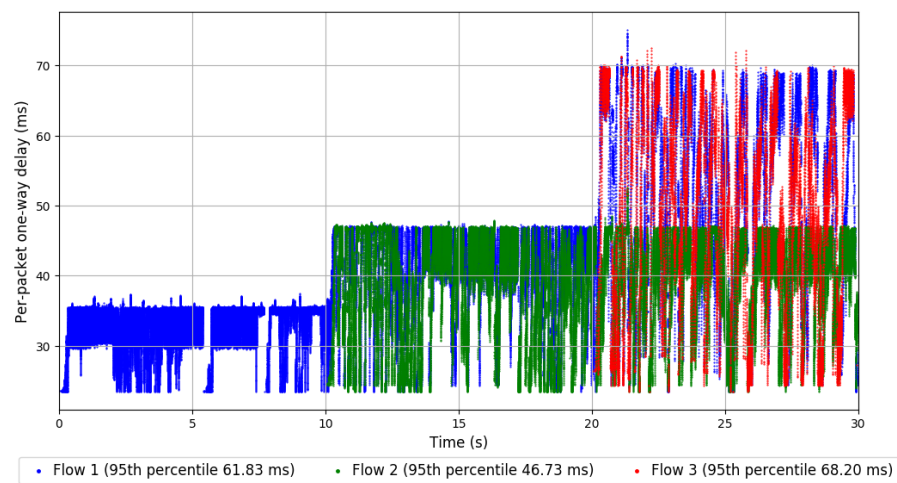
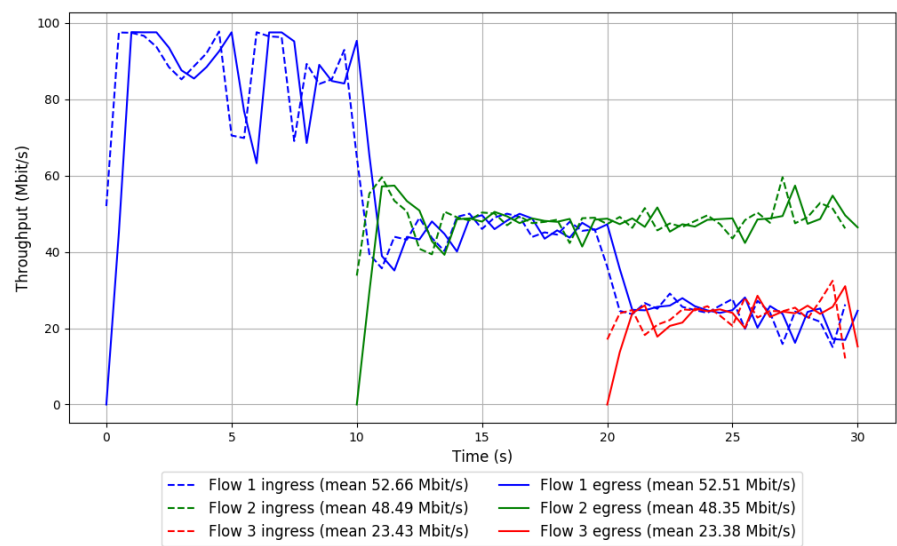
-- Flow 3:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 68.198 ms

Loss rate: 0.52%

Run 3: Report of Verus — Data Link

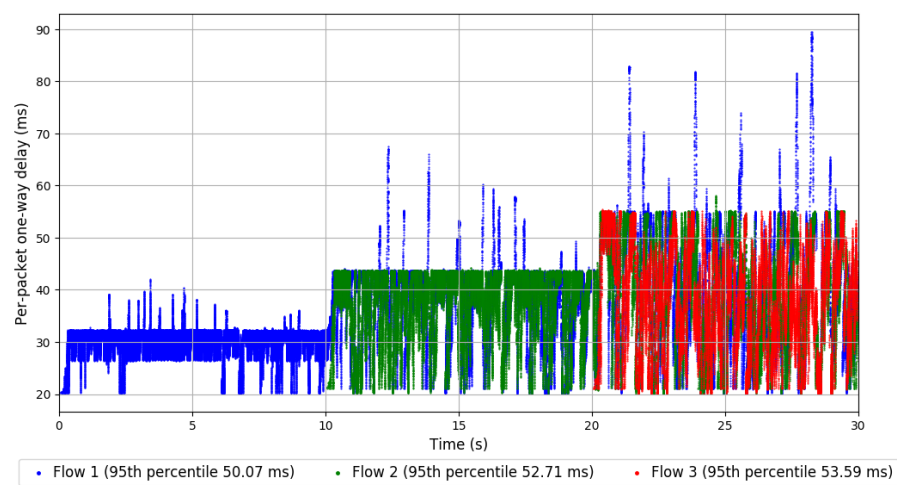
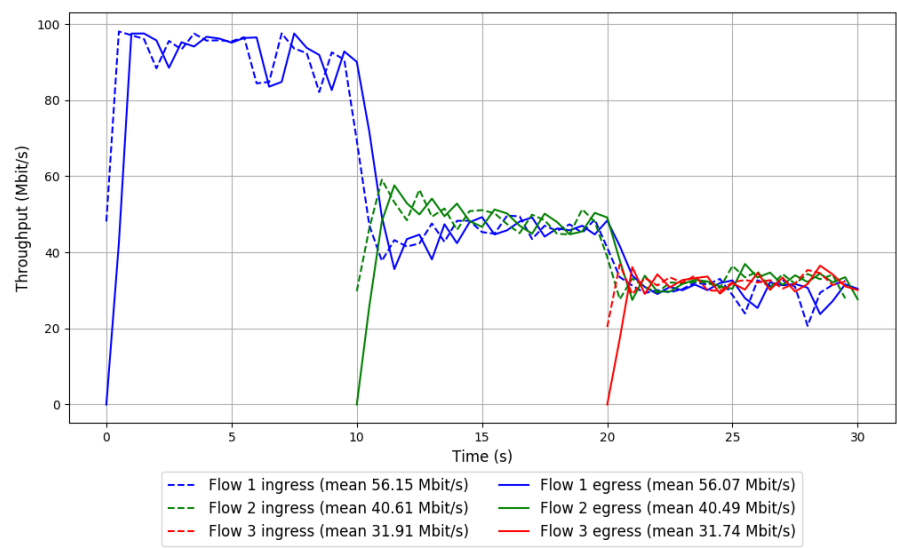


Run 4: Statistics of Verus

Start at: 2018-07-04 12:00:49
End at: 2018-07-04 12:01:19
Local clock offset: -0.674 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2018-07-04 14:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 50.068 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 52.707 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 53.591 ms
Loss rate: 0.92%

Run 4: Report of Verus — Data Link

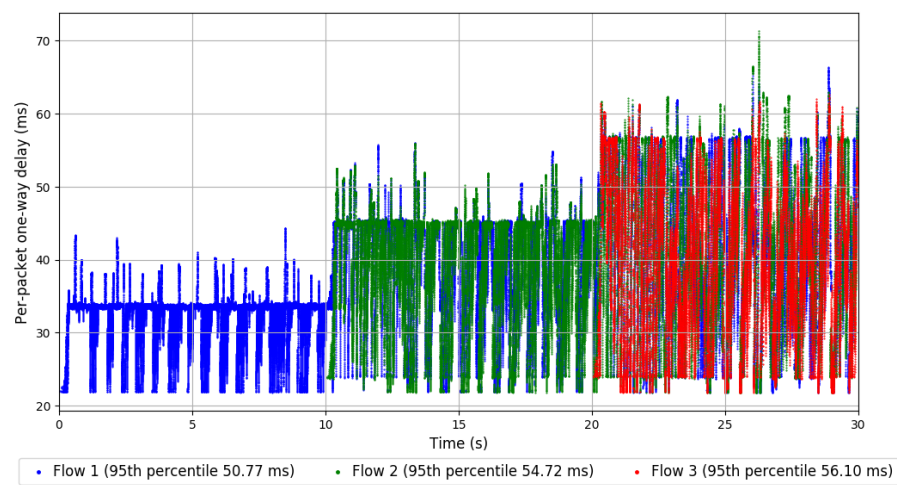
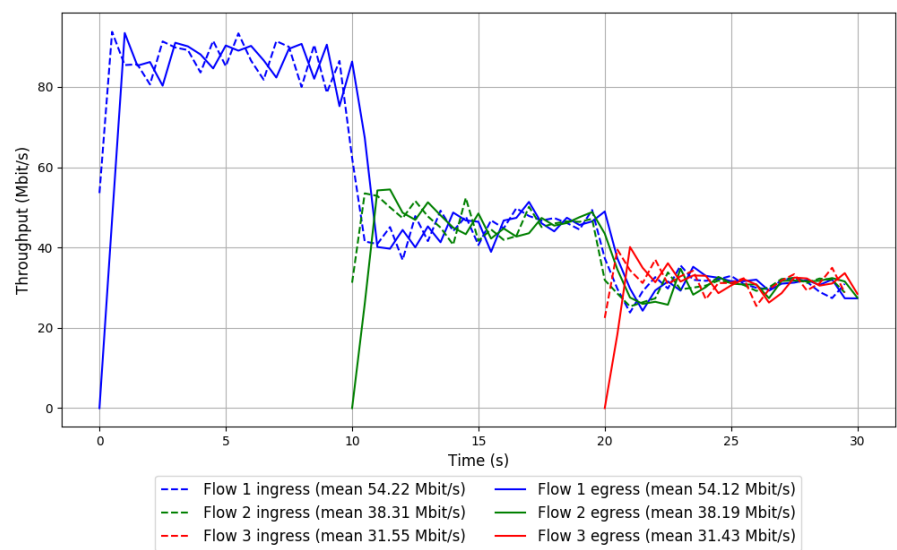


Run 5: Statistics of Verus

Start at: 2018-07-04 12:21:41
End at: 2018-07-04 12:22:11
Local clock offset: -0.878 ms
Remote clock offset: -3.536 ms

Below is generated by plot.py at 2018-07-04 14:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 53.423 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 50.770 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 54.722 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 56.097 ms
Loss rate: 0.73%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-04 12:42:10

End at: 2018-07-04 12:42:40

Local clock offset: 1.558 ms

Remote clock offset: -7.21 ms

Below is generated by plot.py at 2018-07-04 14:42:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 51.074 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 49.49 Mbit/s

95th percentile per-packet one-way delay: 50.934 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 45.83 Mbit/s

95th percentile per-packet one-way delay: 47.342 ms

Loss rate: 0.49%

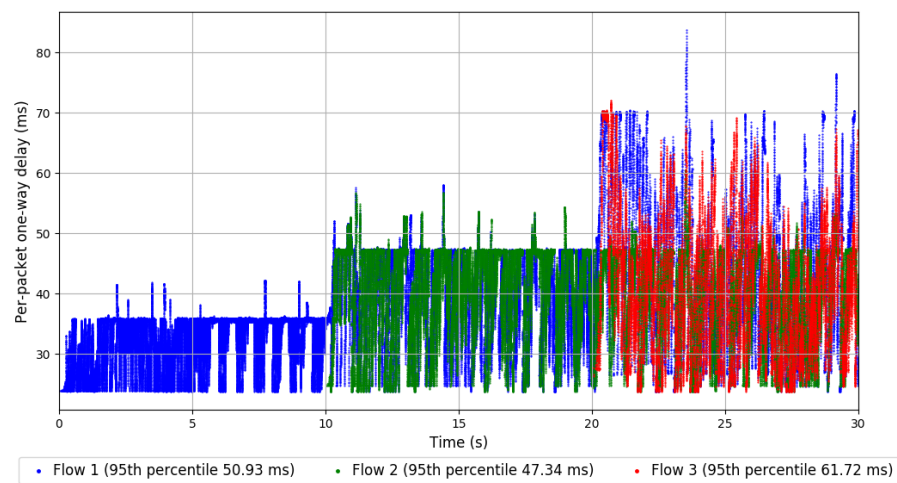
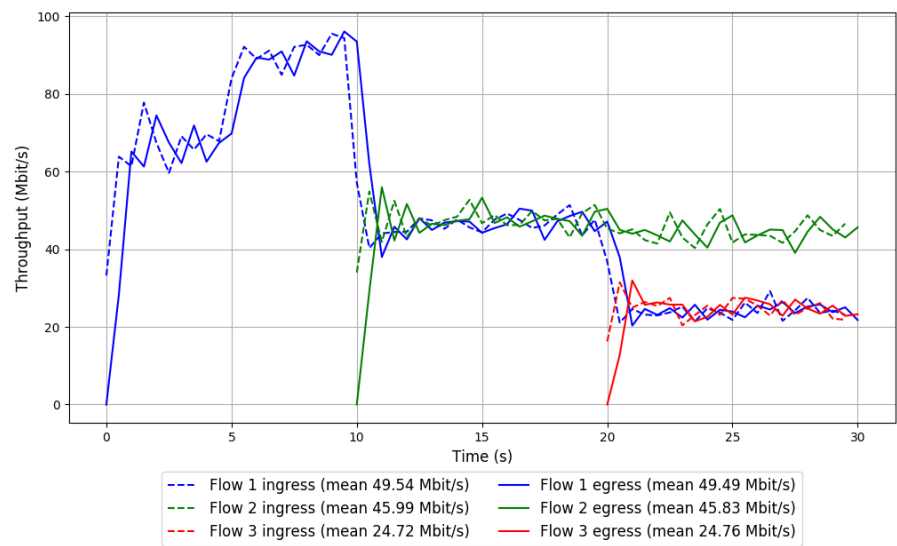
-- Flow 3:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 61.719 ms

Loss rate: 0.25%

Run 6: Report of Verus — Data Link

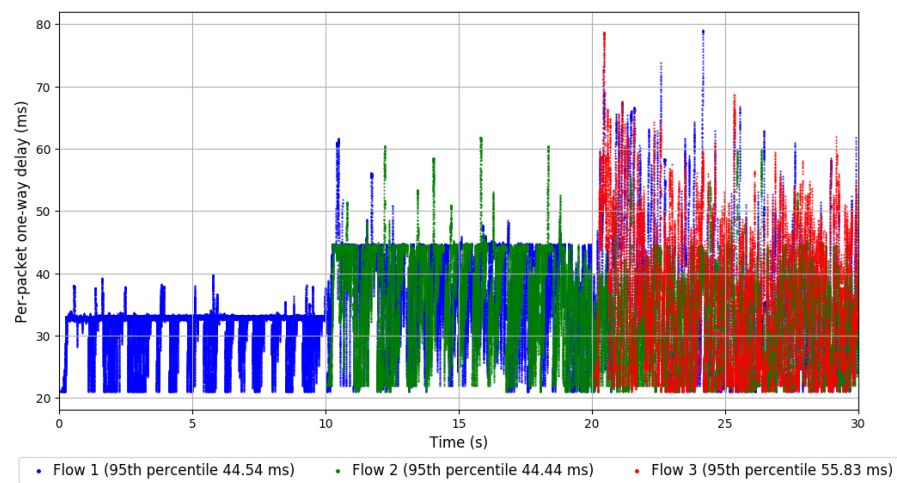
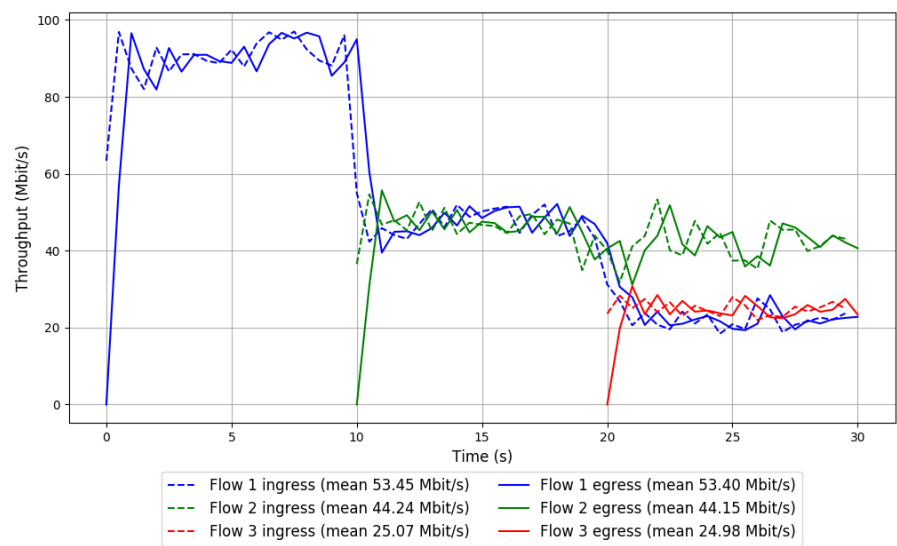


Run 7: Statistics of Verus

Start at: 2018-07-04 13:03:04
End at: 2018-07-04 13:03:34
Local clock offset: 2.056 ms
Remote clock offset: -10.084 ms

Below is generated by plot.py at 2018-07-04 14:42:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 44.785 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 44.540 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 44.436 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 55.830 ms
Loss rate: 0.63%

Run 7: Report of Verus — Data Link

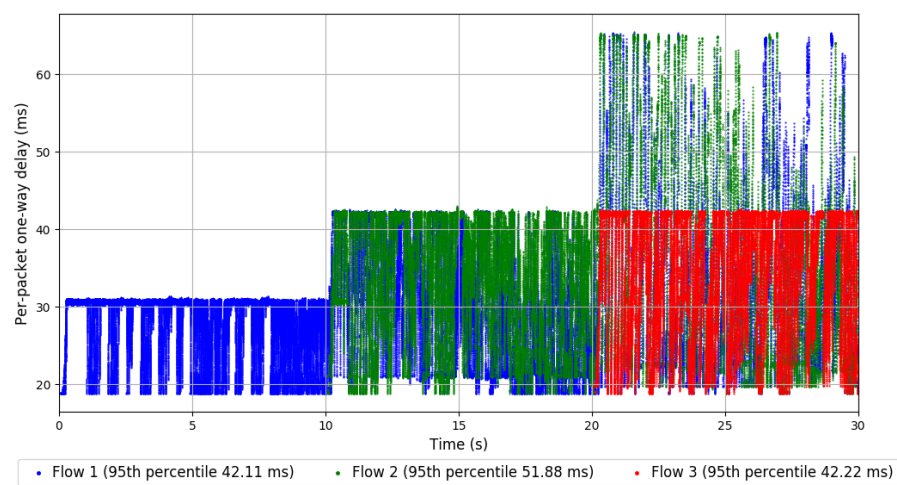
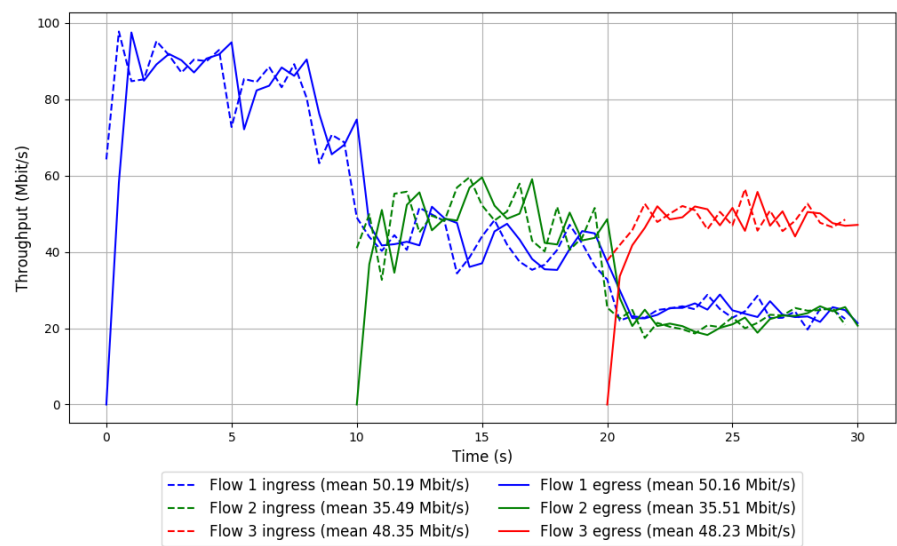


Run 8: Statistics of Verus

Start at: 2018-07-04 13:23:25
End at: 2018-07-04 13:23:55
Local clock offset: 0.063 ms
Remote clock offset: -8.955 ms

Below is generated by plot.py at 2018-07-04 14:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 42.325 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 42.114 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 51.876 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 42.217 ms
Loss rate: 0.64%

Run 8: Report of Verus — Data Link

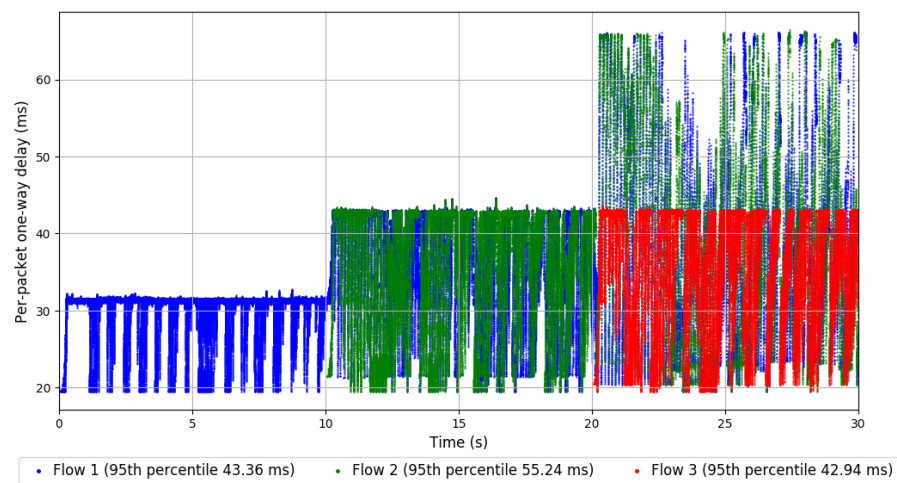
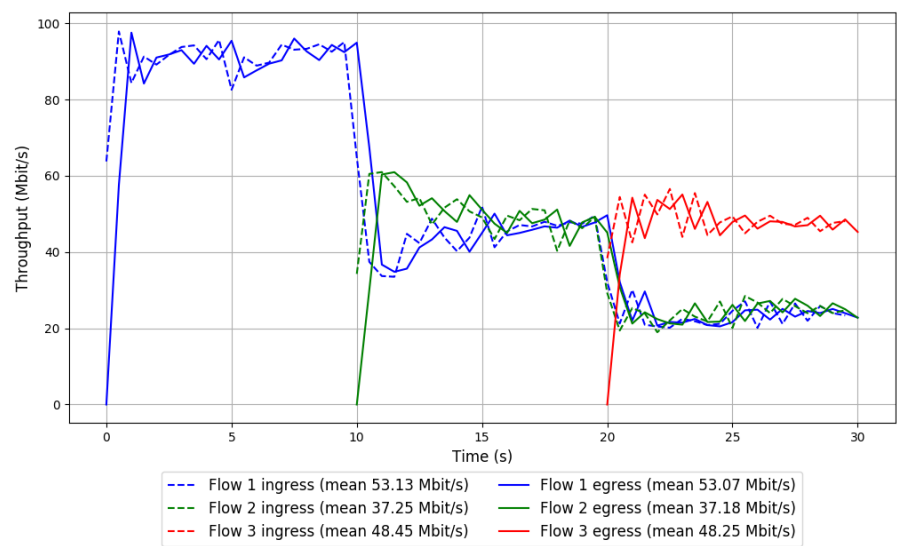


Run 9: Statistics of Verus

Start at: 2018-07-04 13:43:55
End at: 2018-07-04 13:44:25
Local clock offset: 0.432 ms
Remote clock offset: -8.073 ms

Below is generated by plot.py at 2018-07-04 14:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 45.706 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 43.357 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 55.238 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 42.941 ms
Loss rate: 0.70%

Run 9: Report of Verus — Data Link

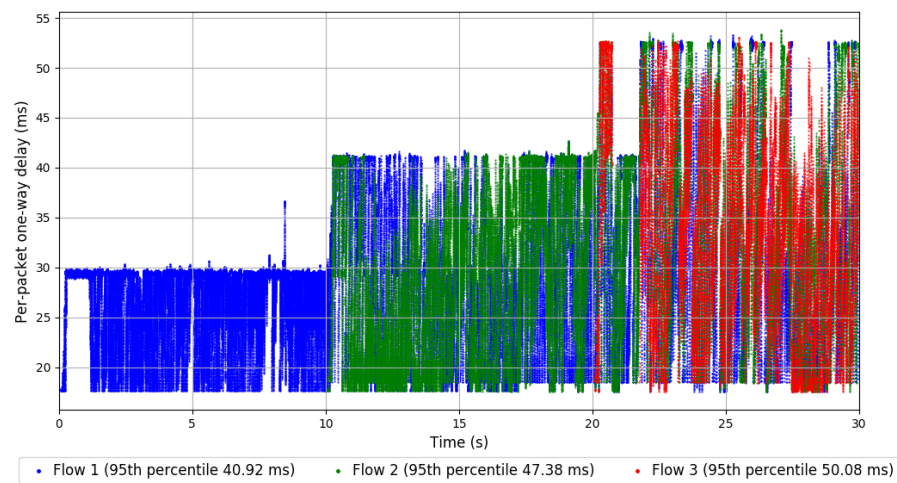
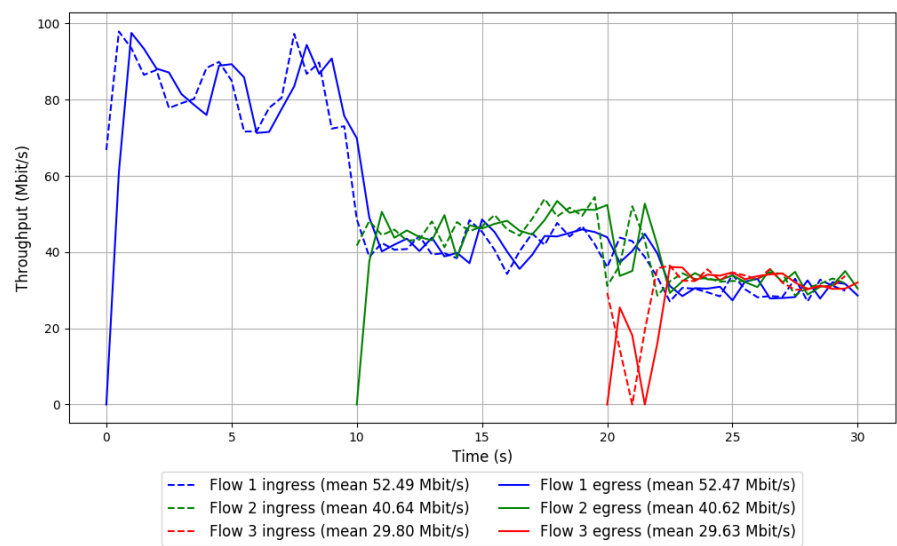


Run 10: Statistics of Verus

Start at: 2018-07-04 14:05:32
End at: 2018-07-04 14:06:02
Local clock offset: 2.618 ms
Remote clock offset: -5.828 ms

Below is generated by plot.py at 2018-07-04 14:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 45.259 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 40.924 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 47.384 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 50.082 ms
Loss rate: 0.88%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 10:55:18

End at: 2018-07-04 10:55:48

Local clock offset: 1.481 ms

Remote clock offset: 2.305 ms

Below is generated by plot.py at 2018-07-04 14:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.91 Mbit/s

95th percentile per-packet one-way delay: 29.255 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 57.57 Mbit/s

95th percentile per-packet one-way delay: 29.276 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 18.050 ms

Loss rate: 0.07%

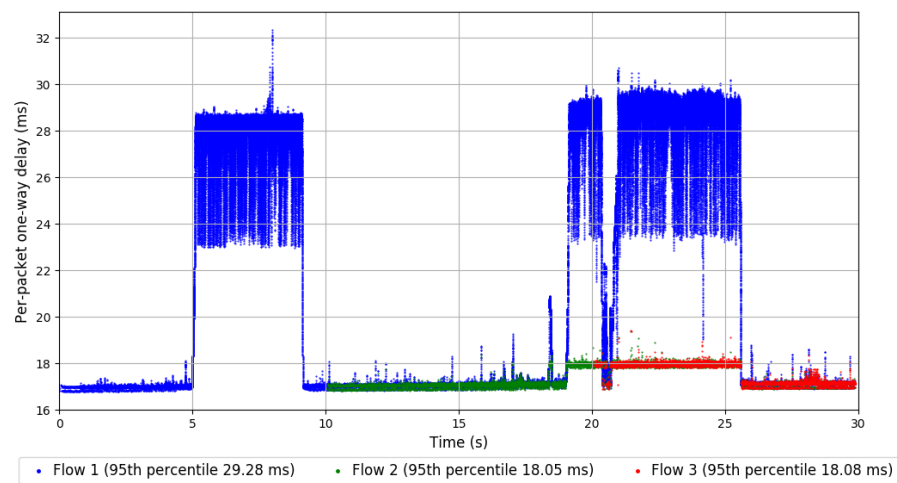
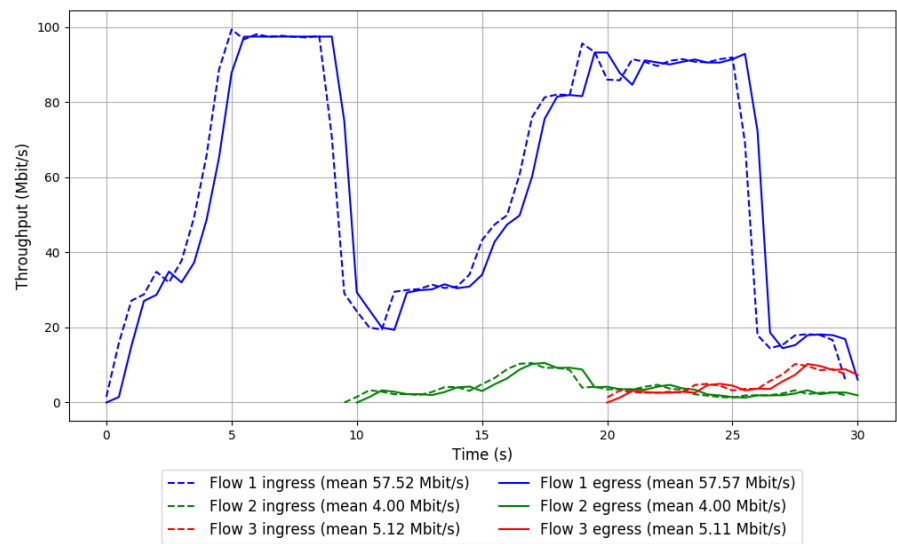
-- Flow 3:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 18.078 ms

Loss rate: 0.50%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 11:15:36

End at: 2018-07-04 11:16:06

Local clock offset: -1.274 ms

Remote clock offset: 1.941 ms

Below is generated by plot.py at 2018-07-04 14:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 39.002 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 30.900 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 32.72 Mbit/s

95th percentile per-packet one-way delay: 35.638 ms

Loss rate: 0.19%

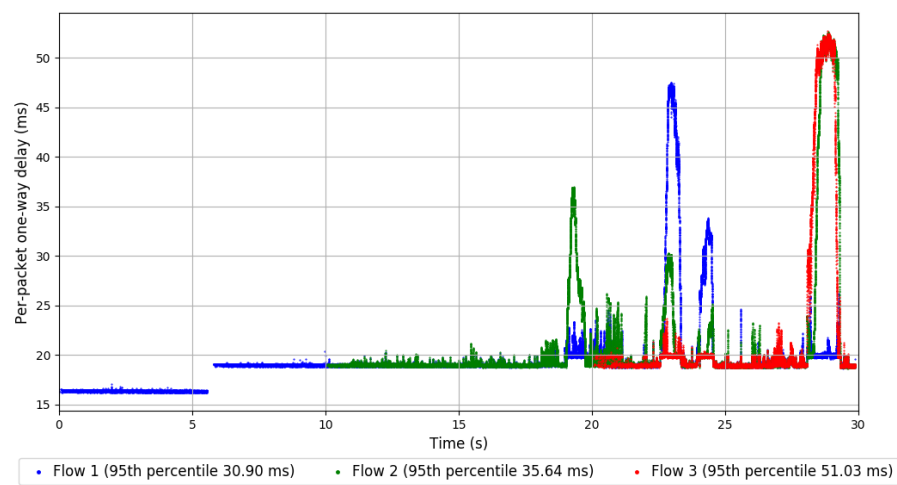
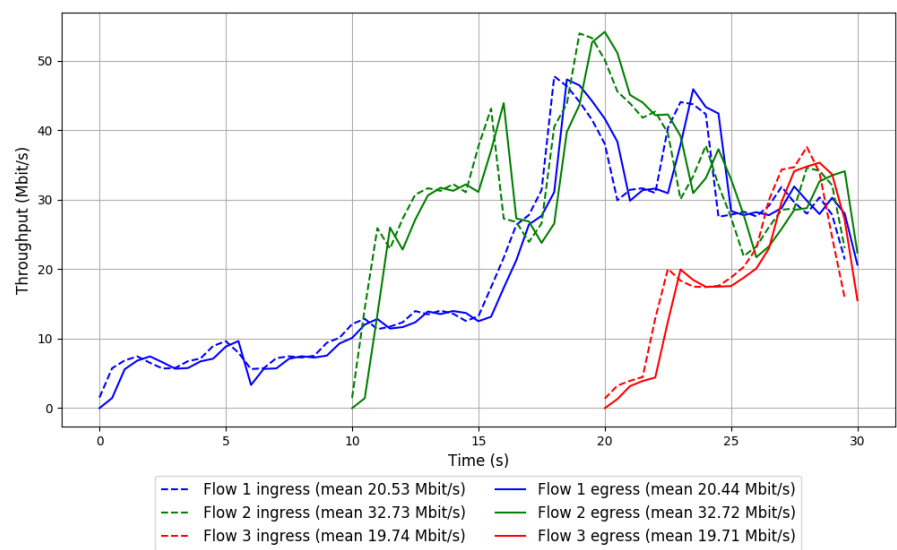
-- Flow 3:

Average throughput: 19.71 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 0.44%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 11:36:16

End at: 2018-07-04 11:36:46

Local clock offset: 0.193 ms

Remote clock offset: 2.899 ms

Below is generated by plot.py at 2018-07-04 14:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 60.487 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 38.076 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 62.846 ms

Loss rate: 0.85%

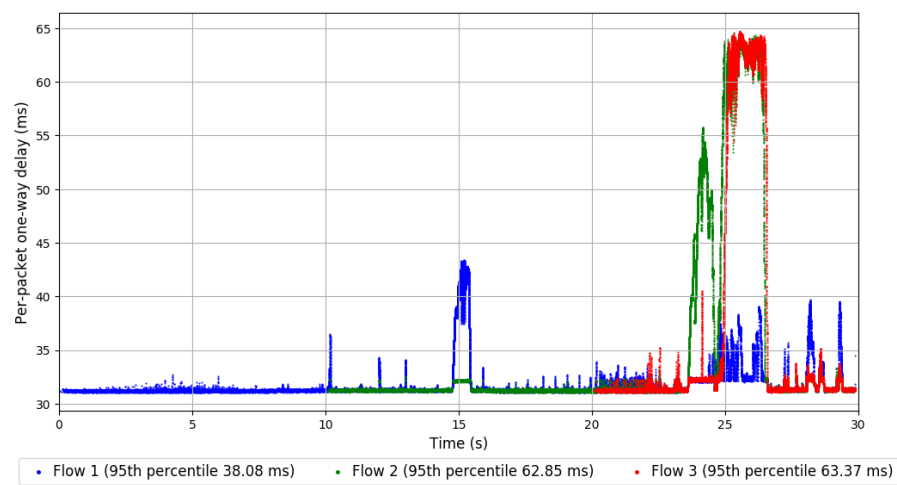
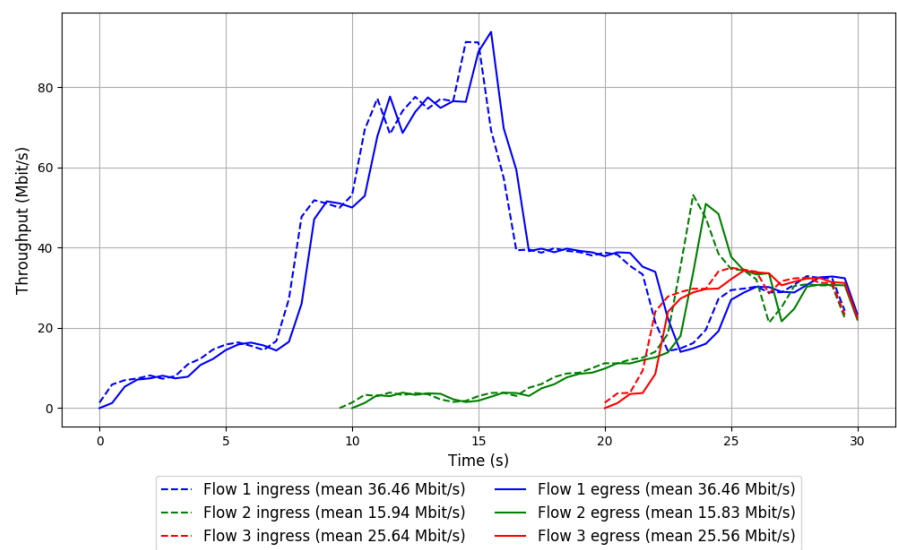
-- Flow 3:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 63.369 ms

Loss rate: 0.83%

Run 3: Report of PCC-Vivace — Data Link

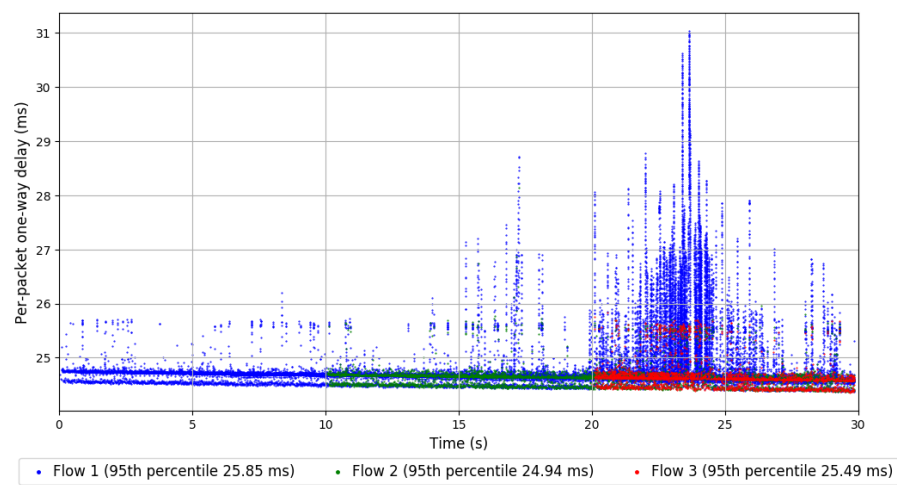
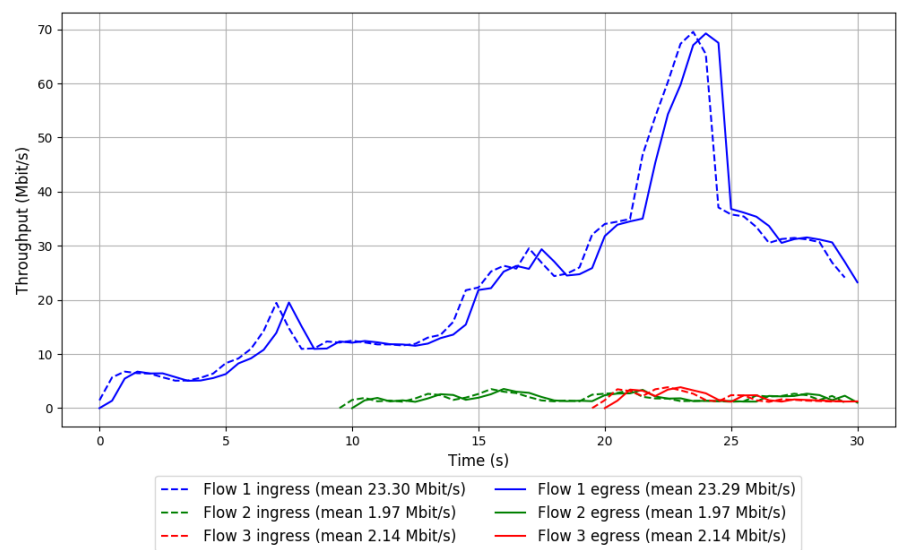


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 11:57:13
End at: 2018-07-04 11:57:43
Local clock offset: 2.907 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-07-04 14:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 25.736 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 24.942 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 25.486 ms
Loss rate: 0.39%

Run 4: Report of PCC-Vivace — Data Link

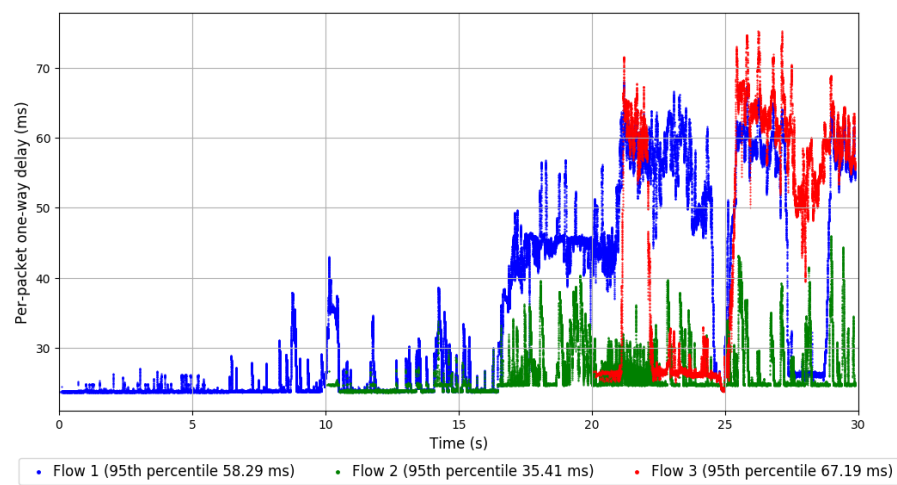
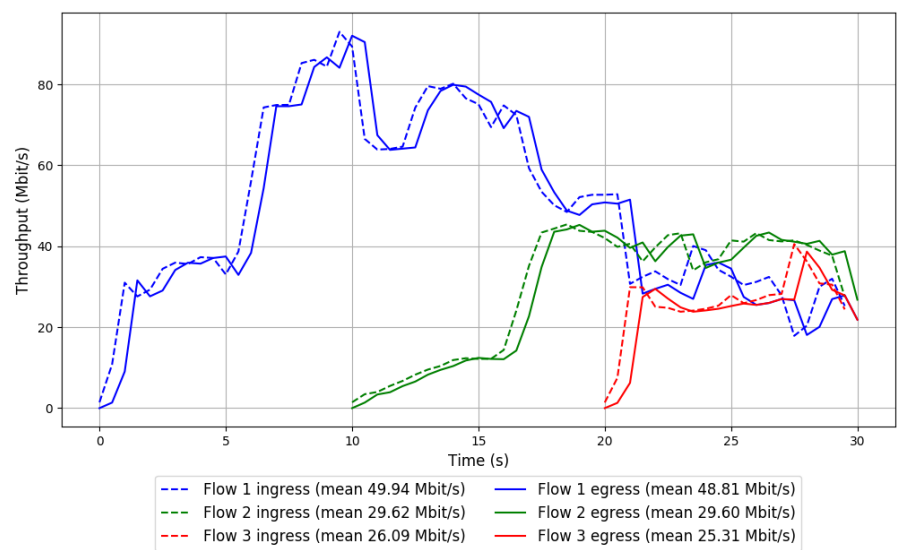


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 12:18:03
End at: 2018-07-04 12:18:33
Local clock offset: -5.603 ms
Remote clock offset: -10.227 ms

Below is generated by plot.py at 2018-07-04 14:43:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 60.256 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 58.292 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 35.409 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 67.192 ms
Loss rate: 3.46%

Run 5: Report of PCC-Vivace — Data Link

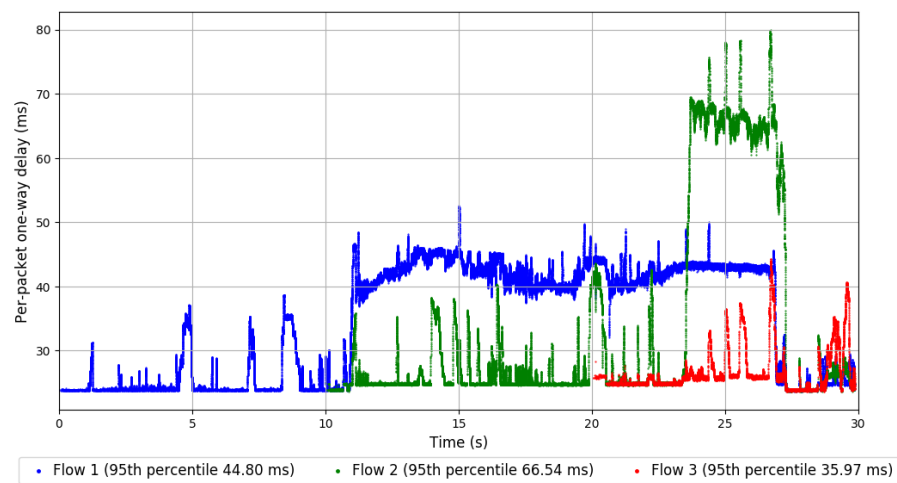
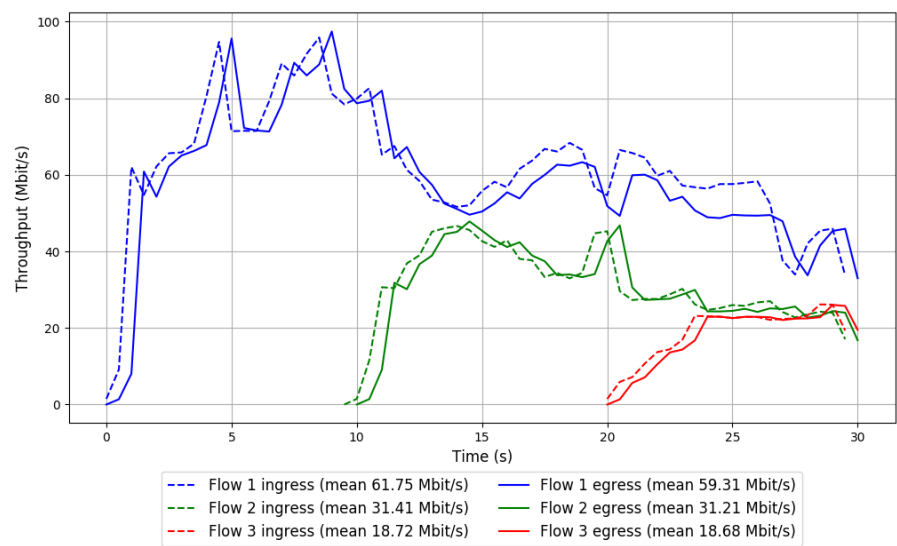


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 12:38:40
End at: 2018-07-04 12:39:10
Local clock offset: -1.474 ms
Remote clock offset: -9.083 ms

Below is generated by plot.py at 2018-07-04 14:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 45.405 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 44.798 ms
Loss rate: 4.08%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 66.537 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 35.970 ms
Loss rate: 0.57%

Run 6: Report of PCC-Vivace — Data Link

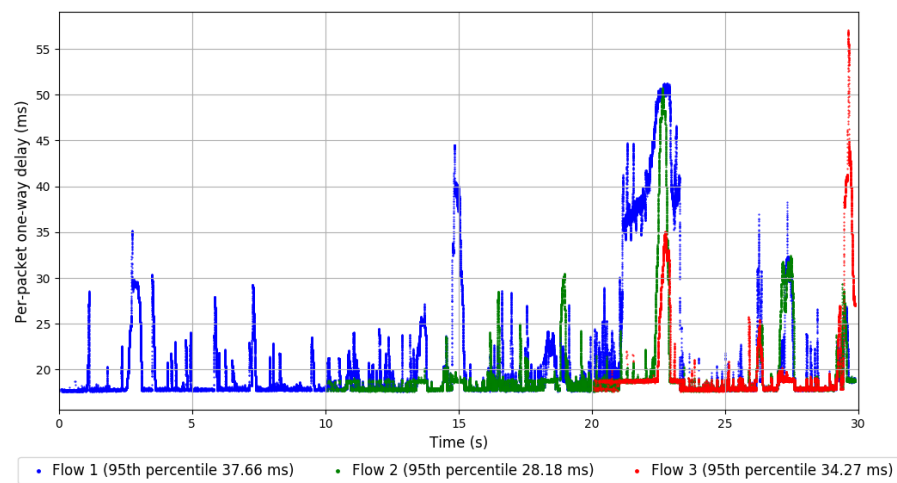
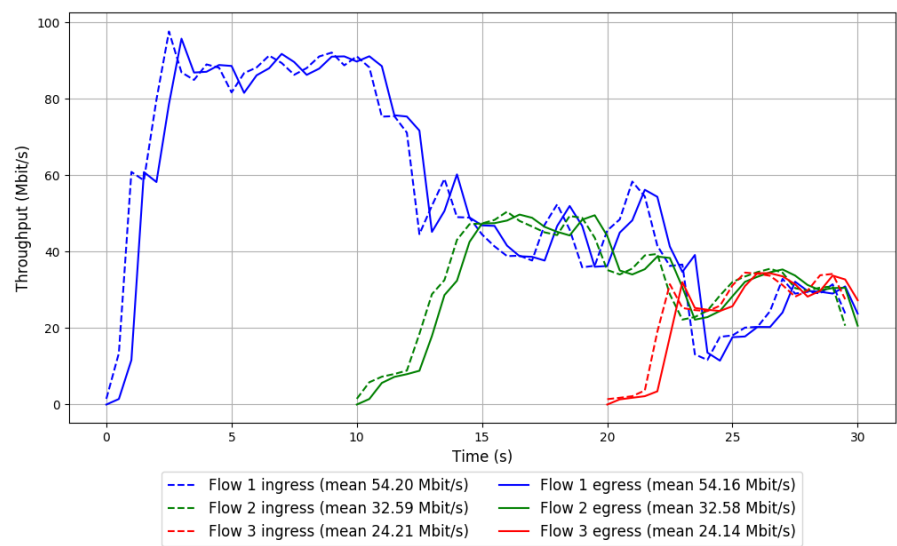


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 12:59:30
End at: 2018-07-04 13:00:00
Local clock offset: -0.78 ms
Remote clock offset: -9.953 ms

Below is generated by plot.py at 2018-07-04 14:43:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 35.731 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 37.664 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 28.177 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 34.274 ms
Loss rate: 0.64%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 13:19:44

End at: 2018-07-04 13:20:14

Local clock offset: 0.825 ms

Remote clock offset: -9.66 ms

Below is generated by plot.py at 2018-07-04 14:43:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 38.024 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 38.418 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 34.96 Mbit/s

95th percentile per-packet one-way delay: 32.957 ms

Loss rate: 0.16%

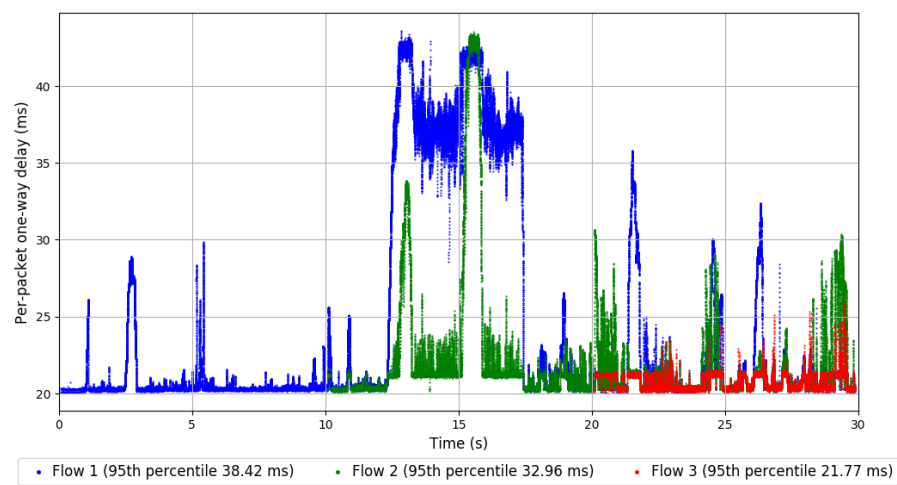
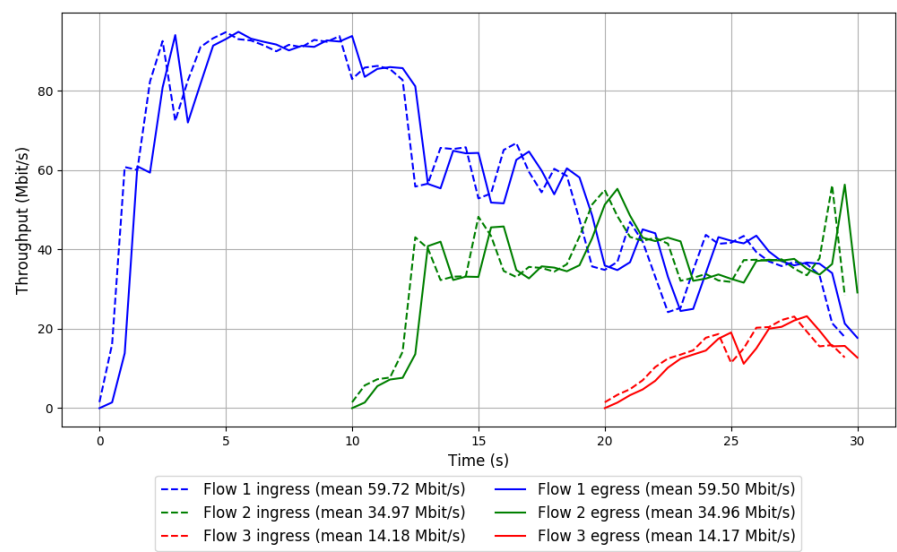
-- Flow 3:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 21.765 ms

Loss rate: 0.32%

Run 8: Report of PCC-Vivace — Data Link

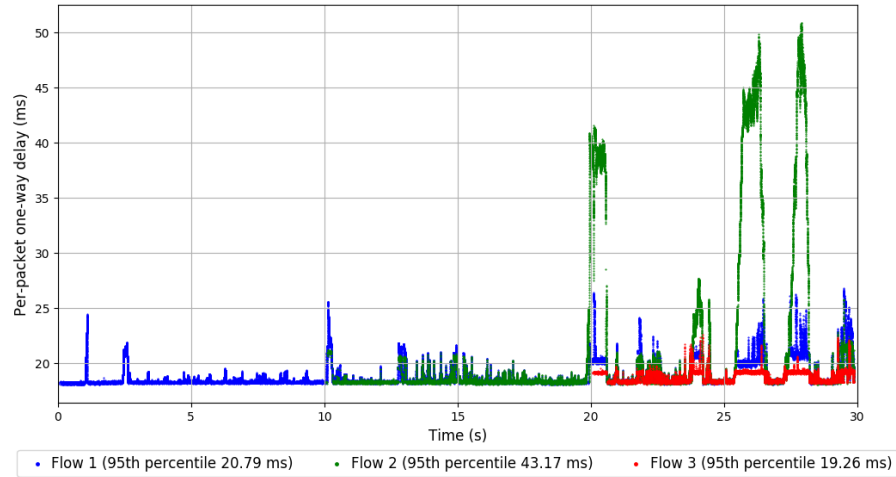
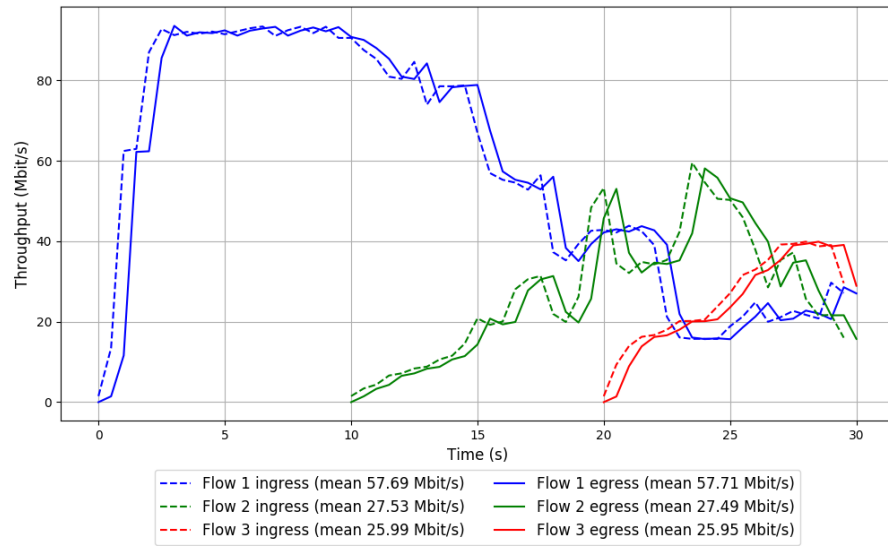


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 13:40:20
End at: 2018-07-04 13:40:50
Local clock offset: -0.946 ms
Remote clock offset: -8.354 ms

Below is generated by plot.py at 2018-07-04 14:43:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 23.965 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 20.788 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 43.174 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.41%

Run 9: Report of PCC-Vivace — Data Link

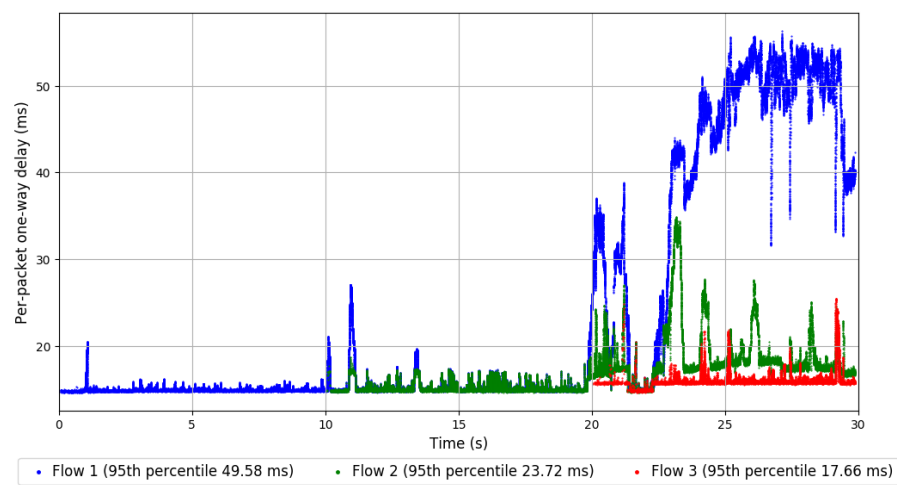
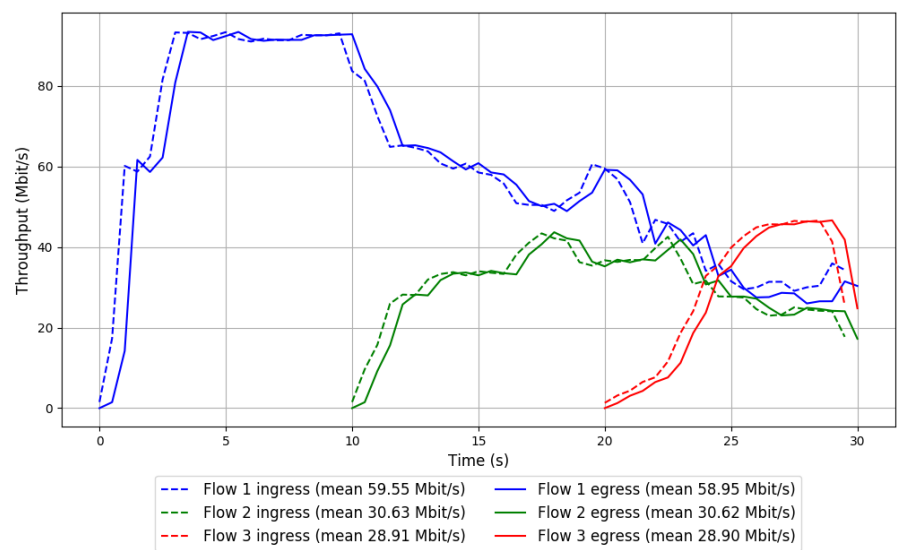


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 14:01:37
End at: 2018-07-04 14:02:07
Local clock offset: 0.37 ms
Remote clock offset: -4.923 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 45.556 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 49.576 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 23.722 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 17.655 ms
Loss rate: 0.30%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-04 11:04:48

End at: 2018-07-04 11:05:18

Local clock offset: 0.847 ms

Remote clock offset: 5.273 ms

Below is generated by plot.py at 2018-07-04 14:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 16.068 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 16.089 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 15.989 ms

Loss rate: 0.01%

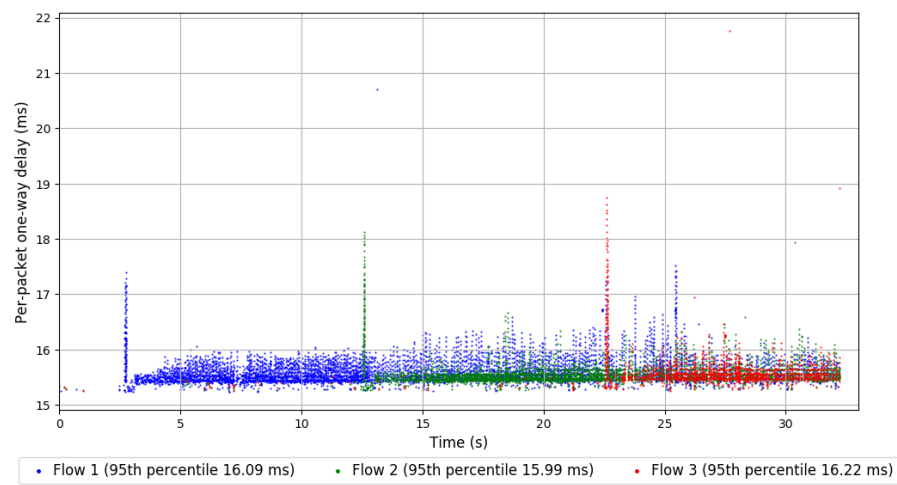
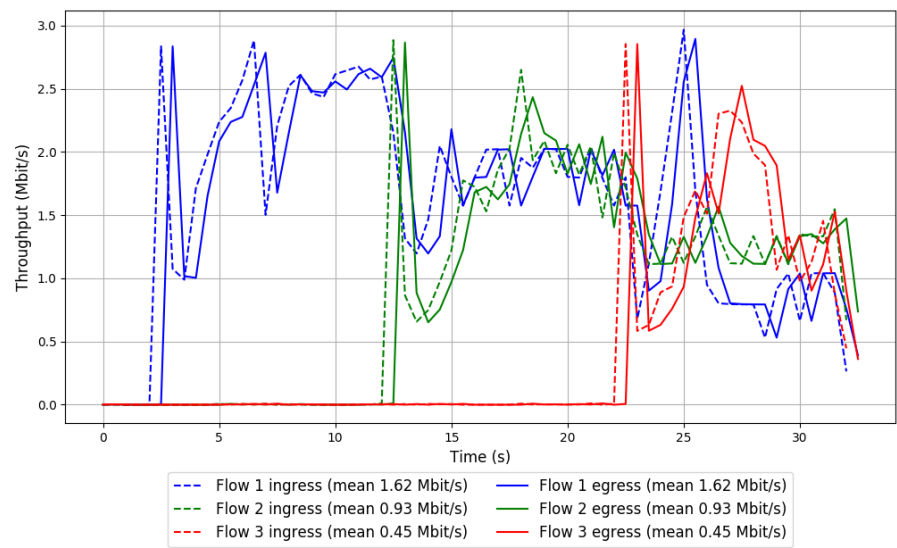
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 16.222 ms

Loss rate: 0.29%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-04 11:25:12

End at: 2018-07-04 11:25:42

Local clock offset: 0.5 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-04 14:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 20.524 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 20.482 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 20.361 ms

Loss rate: 0.16%

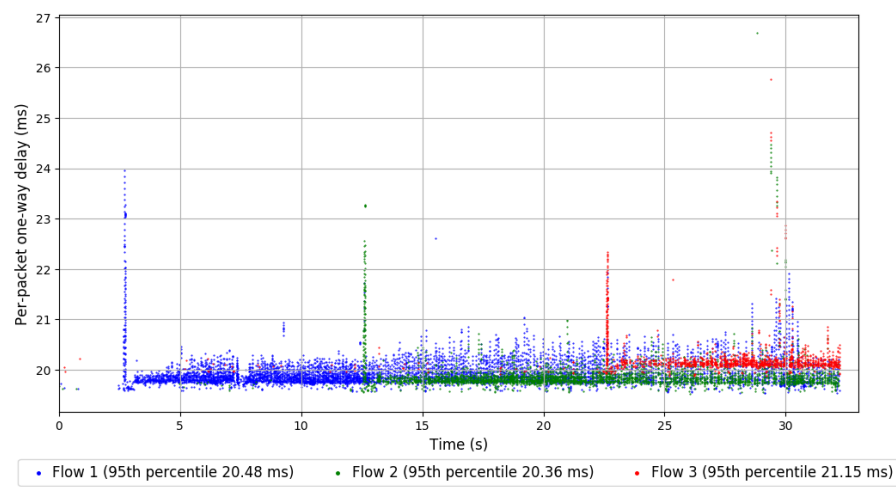
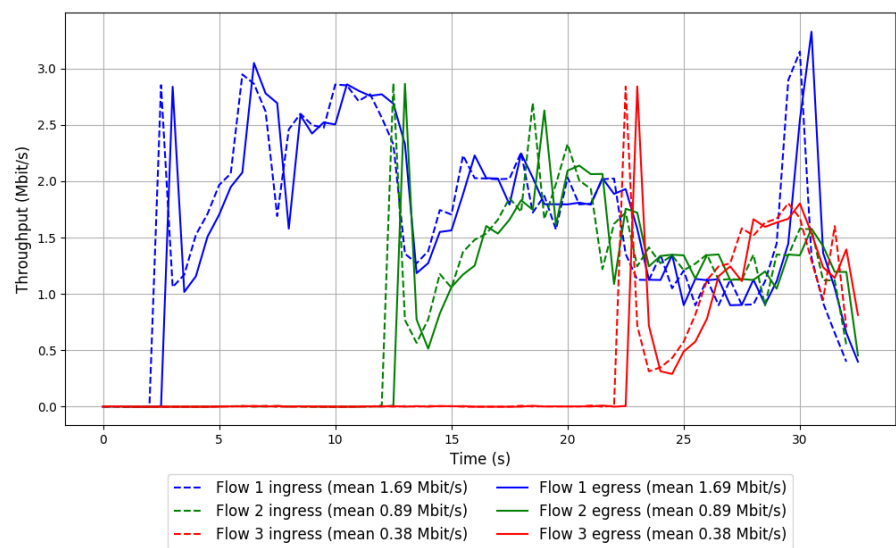
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 21.150 ms

Loss rate: 0.39%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-04 11:46:01

End at: 2018-07-04 11:46:31

Local clock offset: 2.104 ms

Remote clock offset: 4.01 ms

Below is generated by plot.py at 2018-07-04 14:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 24.782 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 24.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 24.794 ms

Loss rate: 0.00%

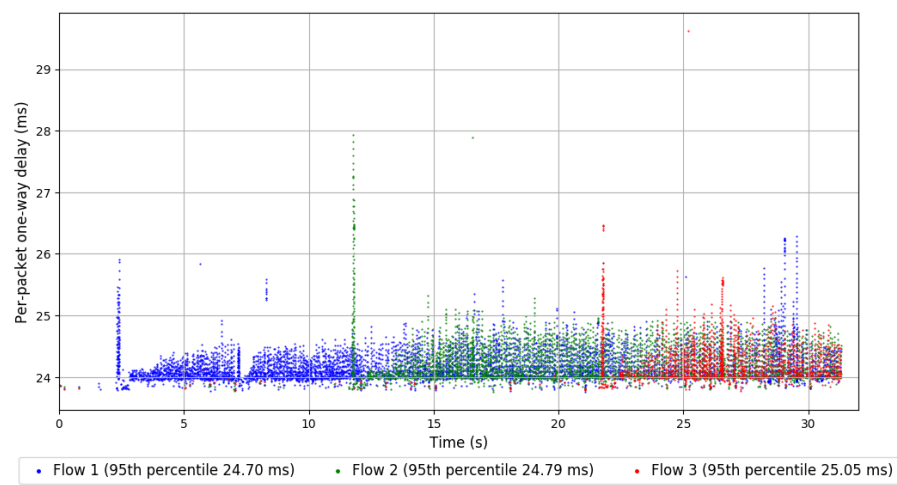
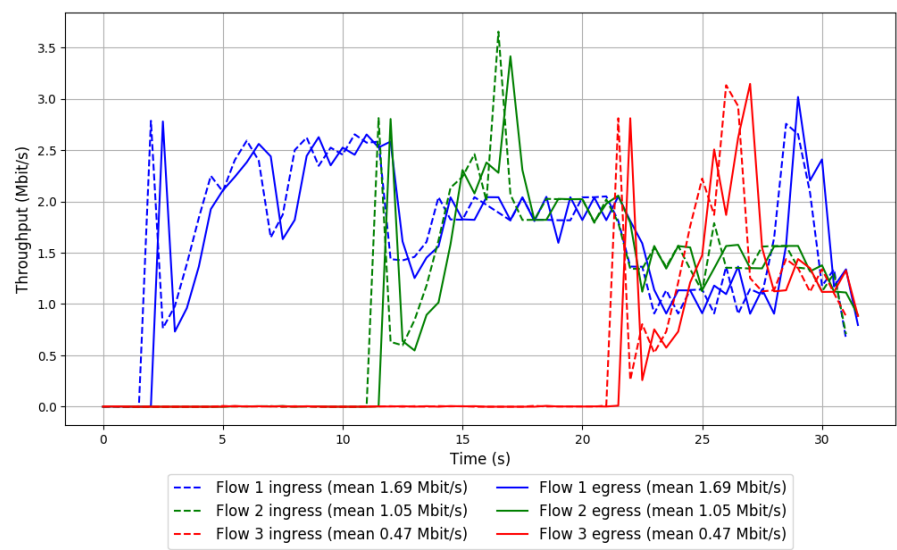
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 25.047 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

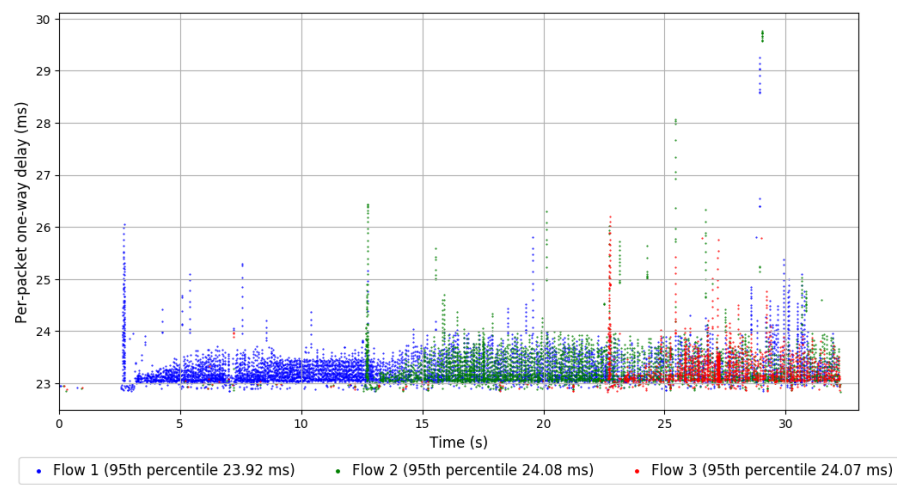
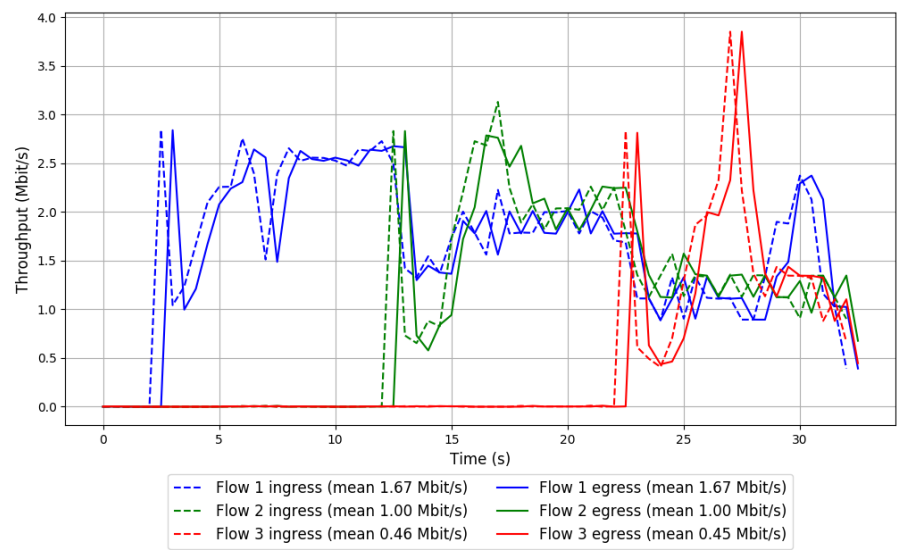


Run 4: Statistics of WebRTC media

Start at: 2018-07-04 12:06:46
End at: 2018-07-04 12:07:16
Local clock offset: 0.246 ms
Remote clock offset: -3.516 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 23.975 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 23.919 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 24.076 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.76%

Run 4: Report of WebRTC media — Data Link

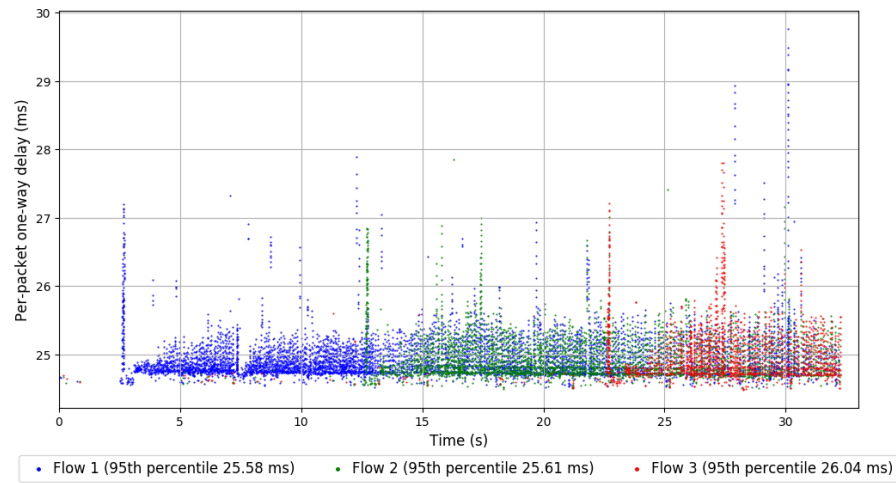
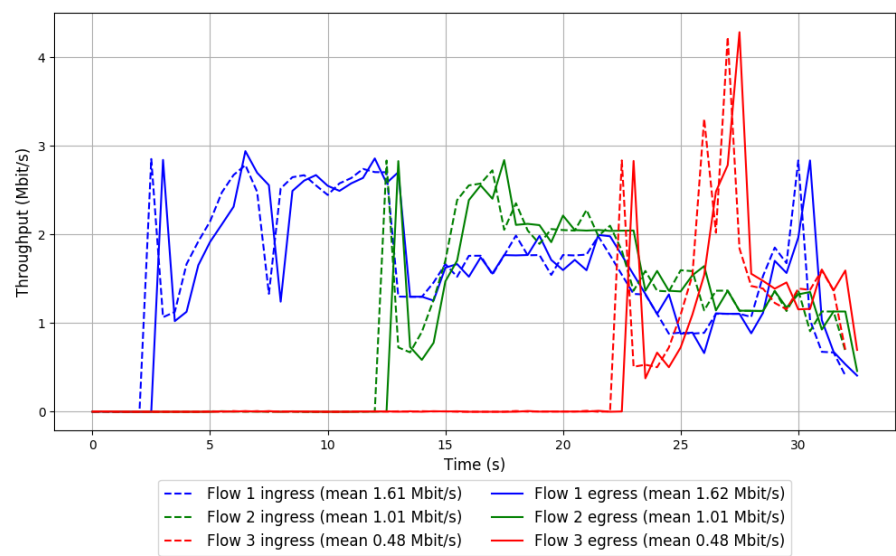


Run 5: Statistics of WebRTC media

Start at: 2018-07-04 12:27:37
End at: 2018-07-04 12:28:07
Local clock offset: 1.337 ms
Remote clock offset: -5.366 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 25.663 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 25.576 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 25.613 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 26.040 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-04 12:48:08

End at: 2018-07-04 12:48:38

Local clock offset: 0.372 ms

Remote clock offset: -7.79 ms

Below is generated by plot.py at 2018-07-04 14:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 23.506 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 23.463 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.01 Mbit/s

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

Loss rate: 0.35%

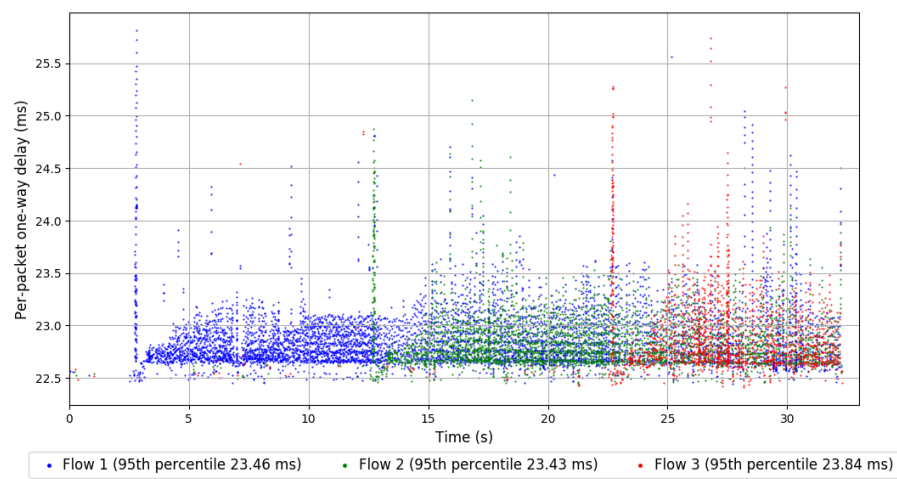
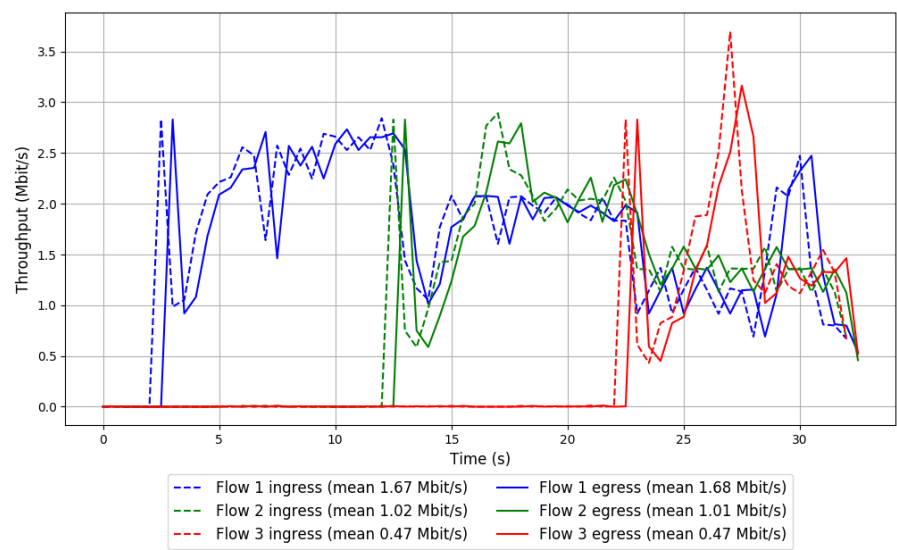
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 23.844 ms

Loss rate: 0.73%

Run 6: Report of WebRTC media — Data Link

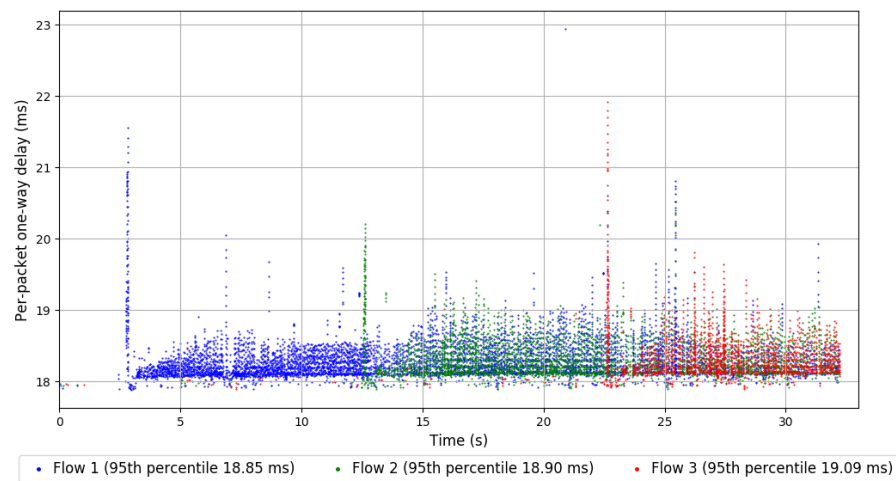
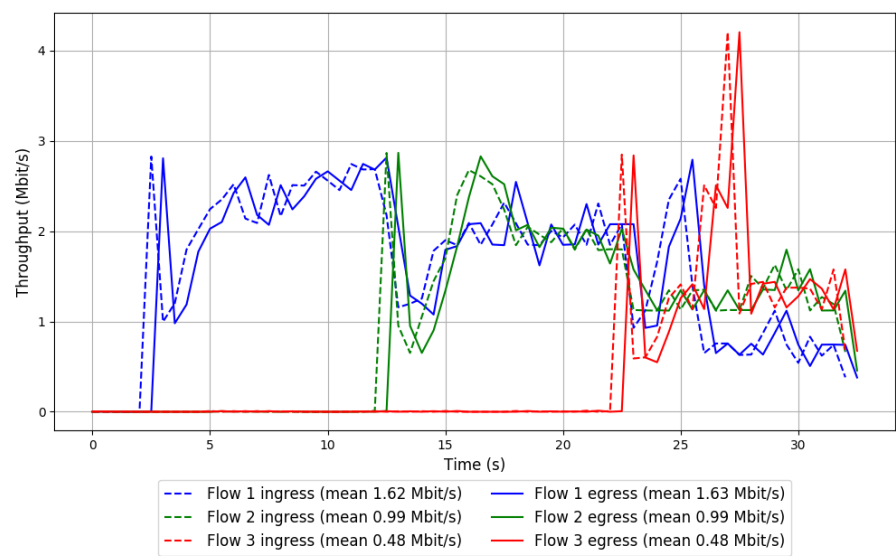


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 13:08:55
End at: 2018-07-04 13:09:25
Local clock offset: -1.384 ms
Remote clock offset: -9.964 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

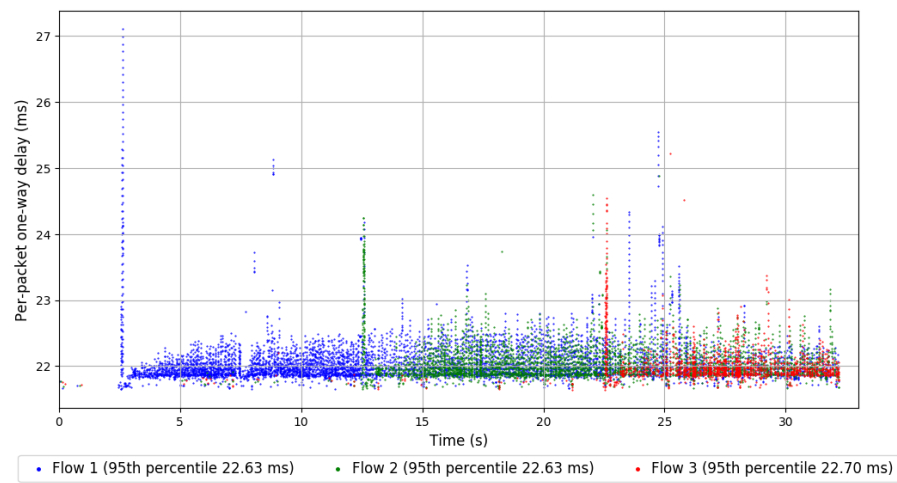
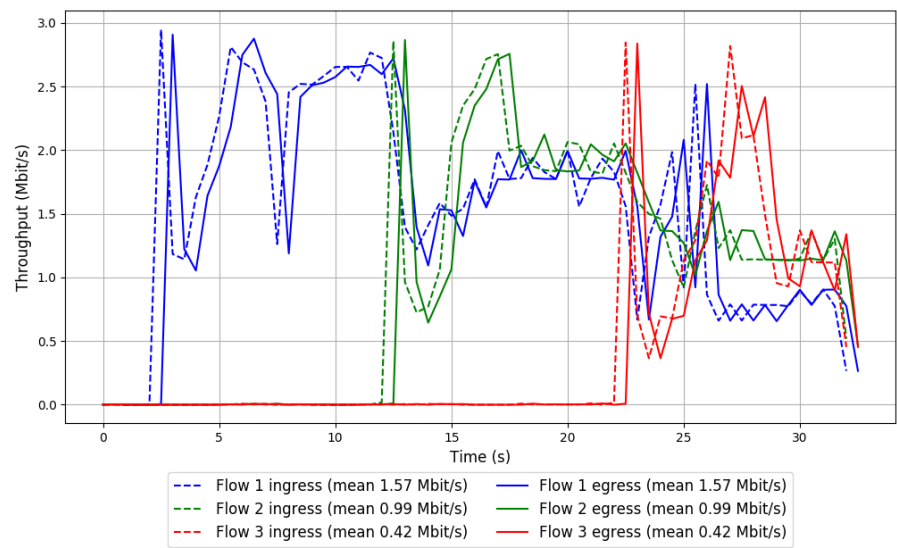


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 13:29:24
End at: 2018-07-04 13:29:54
Local clock offset: 1.717 ms
Remote clock offset: -10.407 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 22.633 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 22.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 22.631 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 22.695 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

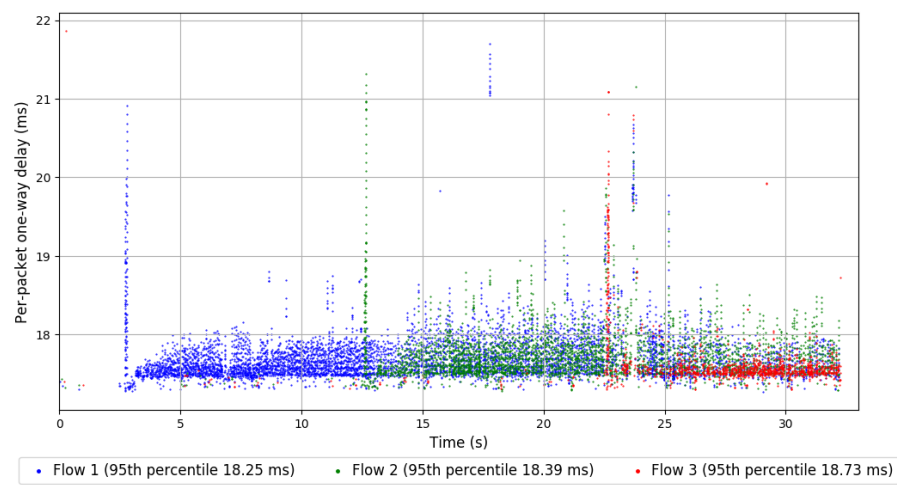
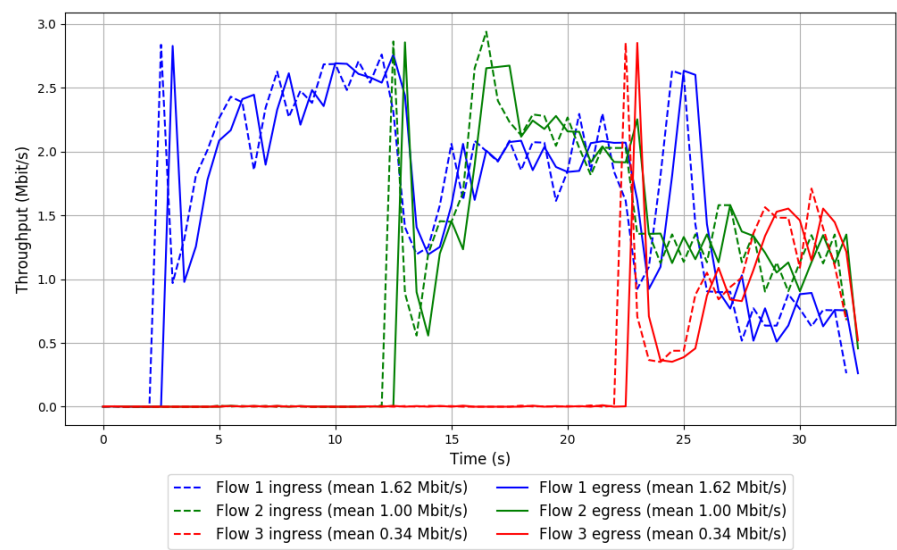


Run 9: Statistics of WebRTC media

Start at: 2018-07-04 13:49:53
End at: 2018-07-04 13:50:23
Local clock offset: 1.158 ms
Remote clock offset: -5.187 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 18.333 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 18.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 18.394 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.71%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 14:11:45
End at: 2018-07-04 14:12:15
Local clock offset: 2.835 ms
Remote clock offset: -8.268 ms

Below is generated by plot.py at 2018-07-04 14:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 20.502 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 20.466 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 20.518 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 20.824 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

