

## Pantheon Report

Generated at 2018-07-10 07:19:19 (UTC).

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

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.

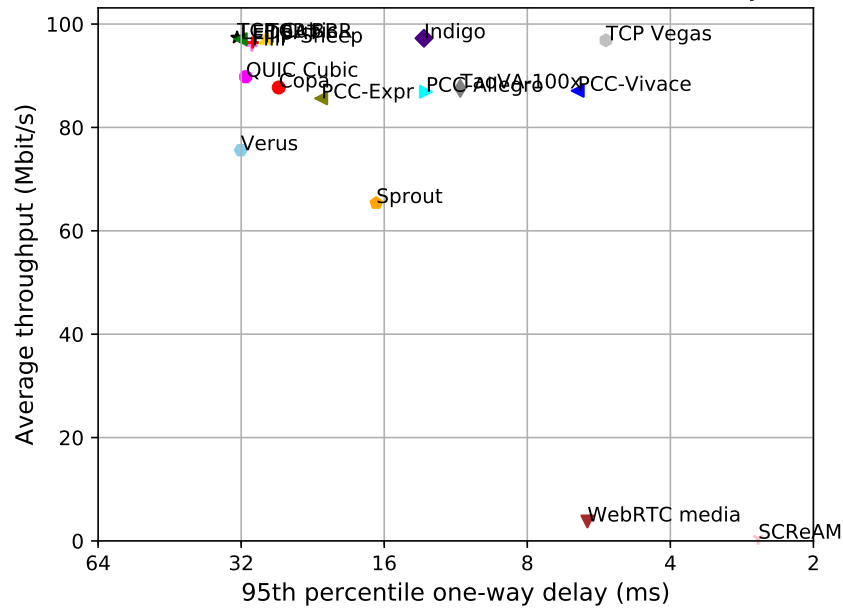
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

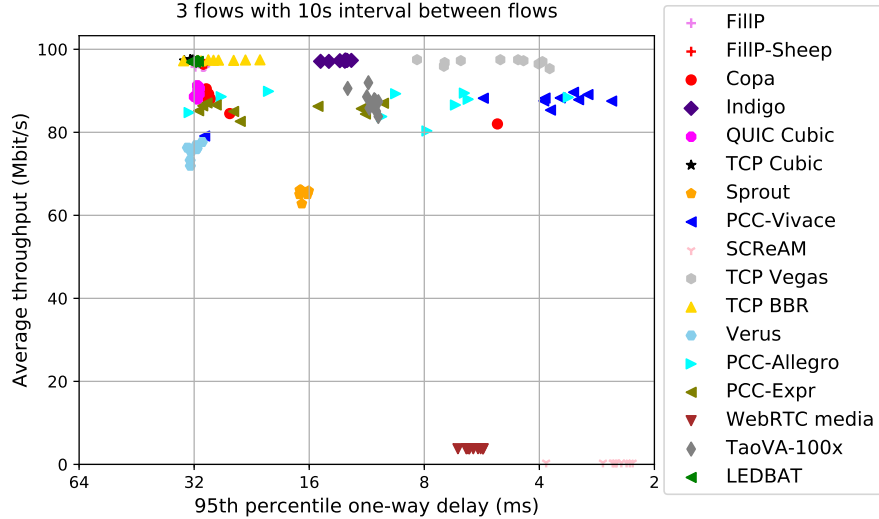
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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 AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 1 to Brazil, 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	67.63	32.33	24.58	28.19	27.85	31.31	0.39	0.35	1.88
Copa	10	52.40	37.64	30.83	25.15	27.23	27.87	0.01	0.01	0.02
TCP Cubic	10	64.38	34.81	29.62	32.48	32.74	32.88	0.03	0.08	0.13
FillP	10	53.70	46.54	33.81	30.31	30.43	30.45	12.23	22.35	24.59
FillP-Sheep	10	59.08	40.00	32.56	30.23	30.28	30.28	17.64	30.32	34.32
Indigo	10	46.75	44.05	65.22	11.06	13.38	13.84	0.00	0.00	0.00
LEDBAT	10	62.16	37.62	29.80	31.98	32.16	32.25	0.03	0.06	0.08
PCC-Allegro	10	71.08	17.88	11.90	11.43	13.91	16.48	0.04	0.11	0.23
PCC-Expr	10	53.74	34.33	27.42	22.58	19.30	21.31	0.38	0.14	0.17
QUIC Cubic	10	57.53	34.79	27.80	31.17	31.39	31.60	0.13	0.17	0.23
SCReAM	10	0.22	0.22	0.22	2.62	2.59	2.58	0.00	0.00	0.00
Sprout	10	33.89	32.36	30.16	15.37	16.52	19.08	0.00	0.00	0.00
TaoVA-100x	10	52.24	27.56	51.02	10.61	11.93	9.34	0.03	0.21	0.04
TCP Vegas	10	52.91	42.87	46.28	8.21	4.43	4.56	0.00	0.00	0.00
Verus	10	45.18	31.15	29.33	30.27	32.12	32.94	9.25	13.80	28.12
PCC-Vivace	10	55.53	35.17	24.73	5.92	7.28	5.94	0.02	0.02	0.00
WebRTC media	10	1.99	1.32	0.46	5.79	5.88	7.15	0.00	0.00	0.00

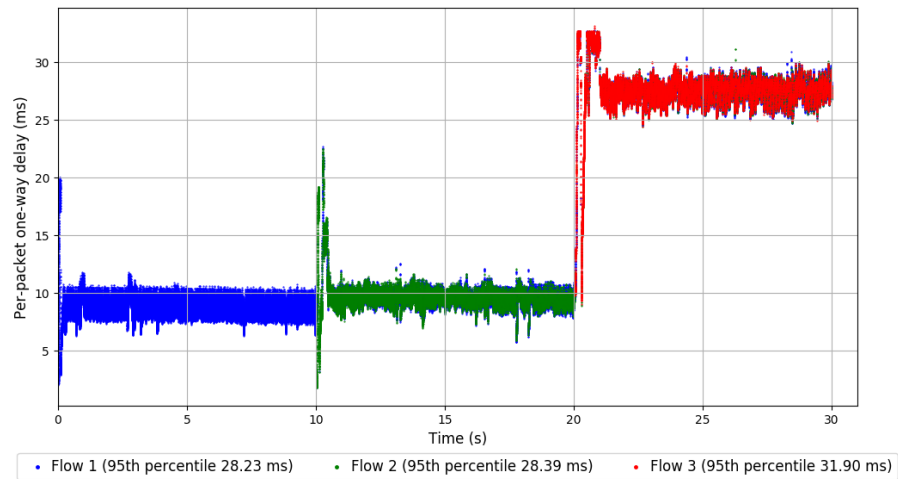
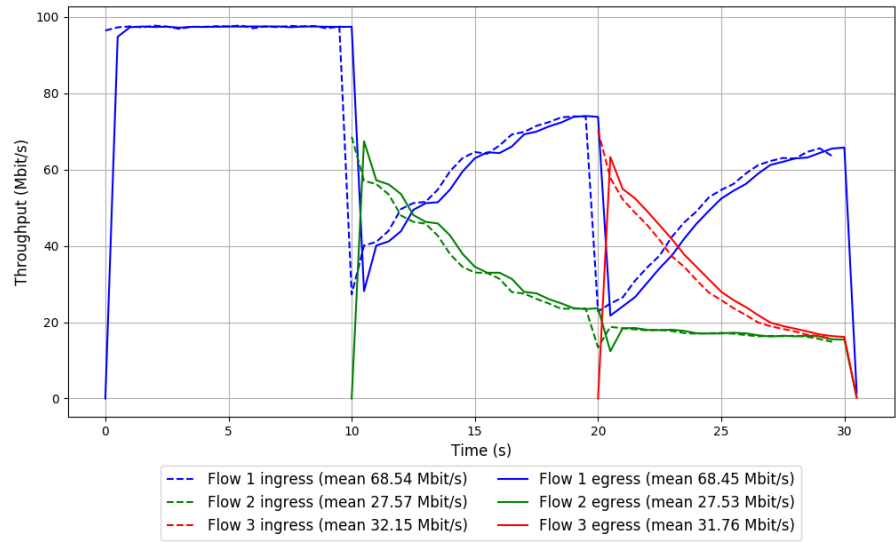
Run 1: Statistics of TCP BBR

Start at: 2018-07-10 03:47:28  
End at: 2018-07-10 03:47:58  
Local clock offset: -2.28 ms  
Remote clock offset: -1.556 ms

# Below is generated by plot.py at 2018-07-10 06:53:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 28.484 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 68.45 Mbit/s  
95th percentile per-packet one-way delay: 28.227 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 27.53 Mbit/s  
95th percentile per-packet one-way delay: 28.385 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 31.76 Mbit/s  
95th percentile per-packet one-way delay: 31.896 ms  
Loss rate: 1.06%



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

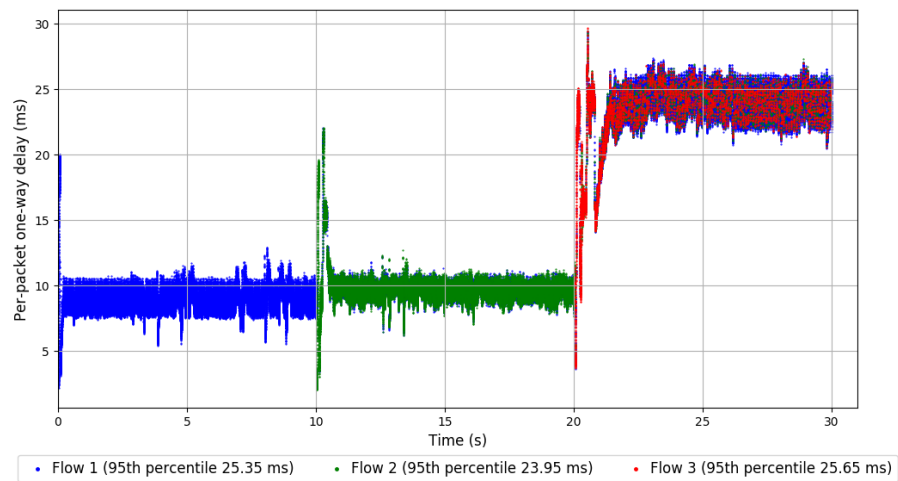
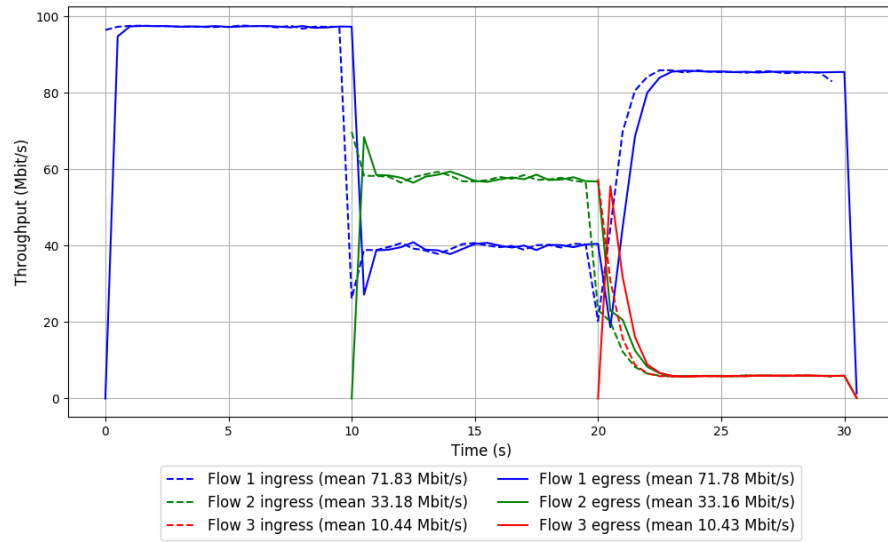


Run 2: Statistics of TCP BBR

Start at: 2018-07-10 04:06:39  
End at: 2018-07-10 04:07:09  
Local clock offset: -2.212 ms  
Remote clock offset: 16.111 ms

# Below is generated by plot.py at 2018-07-10 06:53:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.34 Mbit/s  
95th percentile per-packet one-way delay: 25.223 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 71.78 Mbit/s  
95th percentile per-packet one-way delay: 25.349 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 33.16 Mbit/s  
95th percentile per-packet one-way delay: 23.948 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 10.43 Mbit/s  
95th percentile per-packet one-way delay: 25.651 ms  
Loss rate: 0.00%

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

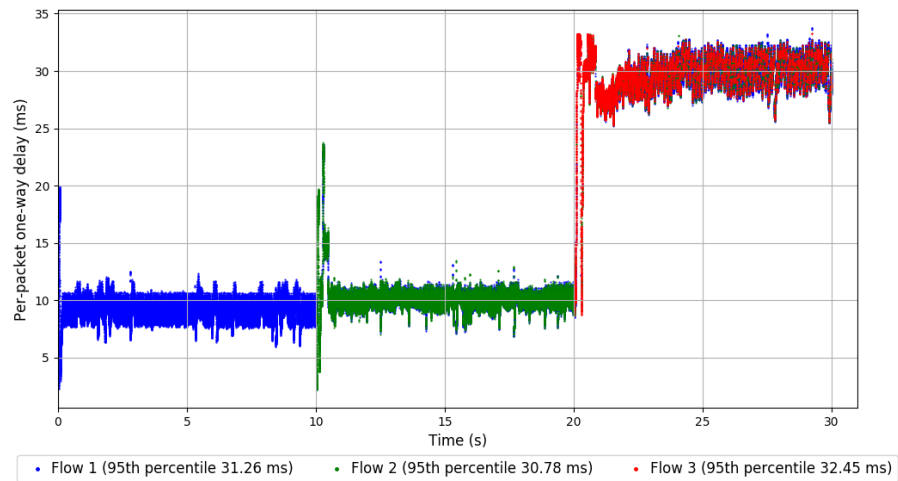
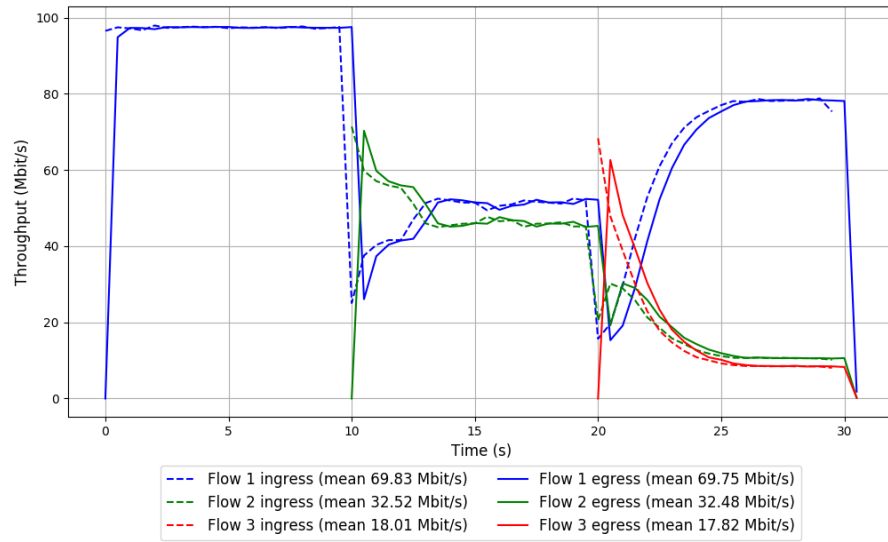


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 04:25:51  
End at: 2018-07-10 04:26:21  
Local clock offset: -2.101 ms  
Remote clock offset: 24.166 ms

# Below is generated by plot.py at 2018-07-10 06:53:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 31.279 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 69.75 Mbit/s  
95th percentile per-packet one-way delay: 31.260 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 32.48 Mbit/s  
95th percentile per-packet one-way delay: 30.783 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 17.82 Mbit/s  
95th percentile per-packet one-way delay: 32.450 ms  
Loss rate: 0.85%

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

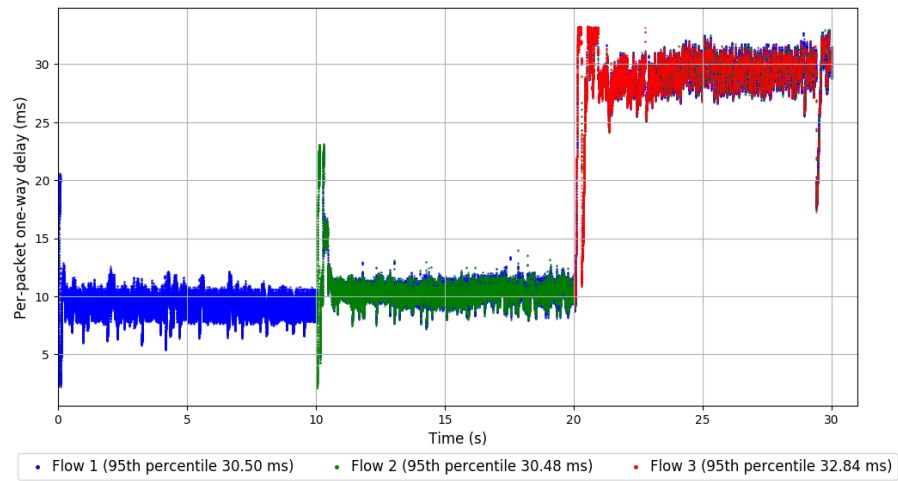
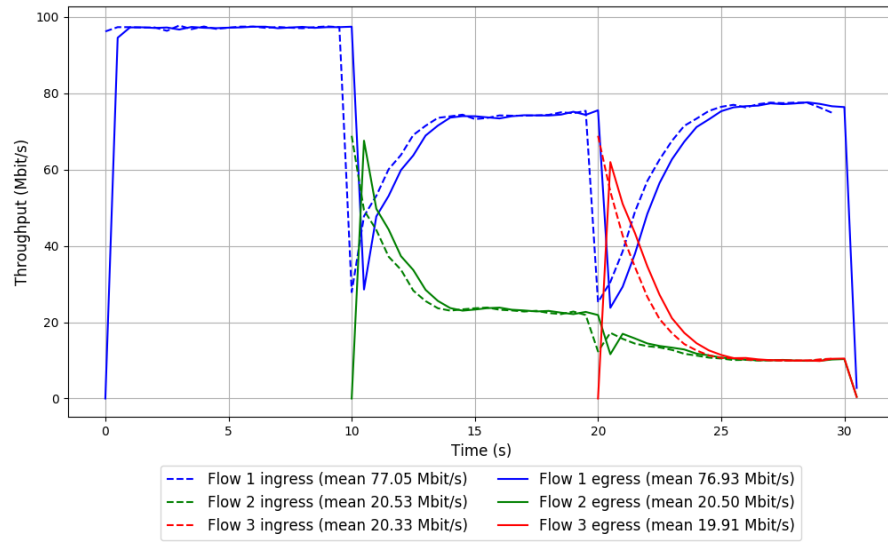


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 04:45:04  
End at: 2018-07-10 04:45:34  
Local clock offset: -2.006 ms  
Remote clock offset: 31.088 ms

# Below is generated by plot.py at 2018-07-10 06:53:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.22 Mbit/s  
95th percentile per-packet one-way delay: 30.700 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 76.93 Mbit/s  
95th percentile per-packet one-way delay: 30.501 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 20.50 Mbit/s  
95th percentile per-packet one-way delay: 30.484 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 19.91 Mbit/s  
95th percentile per-packet one-way delay: 32.836 ms  
Loss rate: 1.85%

# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 05:04:15

End at: 2018-07-10 05:04:45

Local clock offset: -2.032 ms

Remote clock offset: 8.708 ms

# Below is generated by plot.py at 2018-07-10 06:53:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 34.096 ms

Loss rate: 4.42%

-- Flow 1:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 34.046 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 34.082 ms

Loss rate: 3.15%

-- Flow 3:

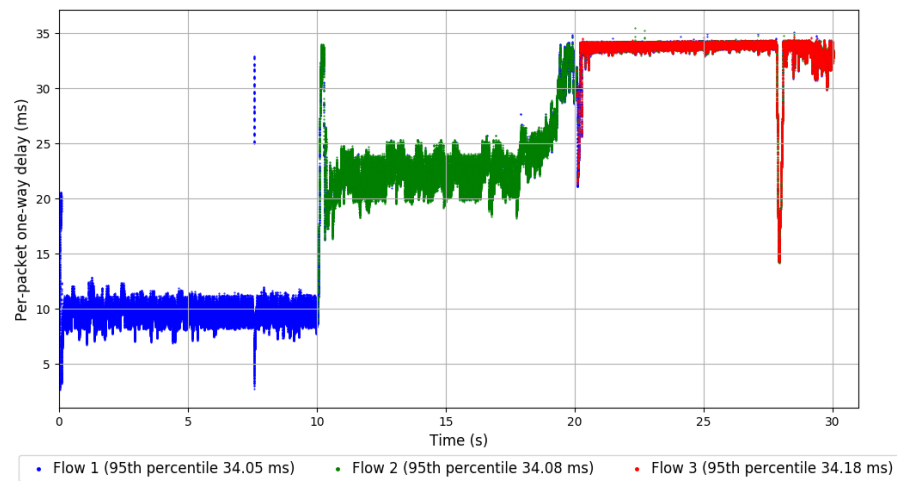
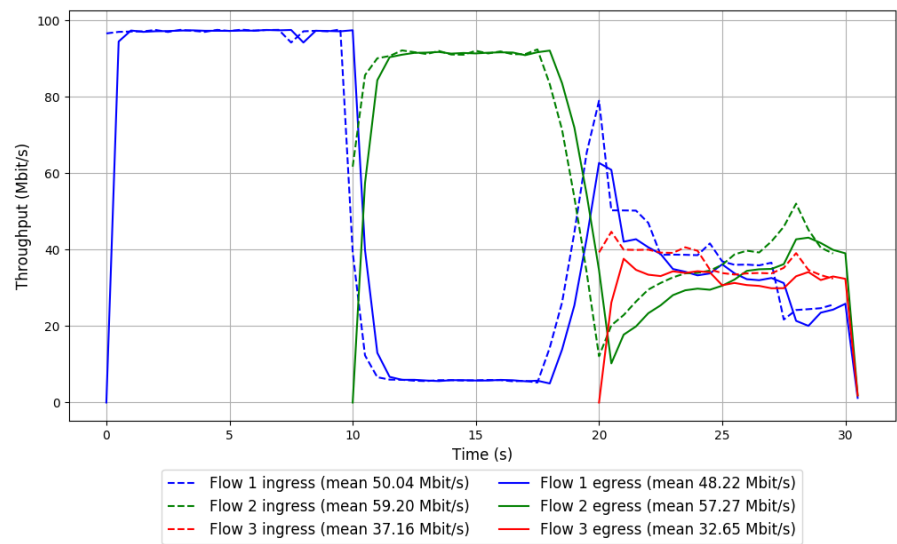
Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 34.182 ms

Loss rate: 12.12%



Run 5: Report of TCP BBR — Data Link

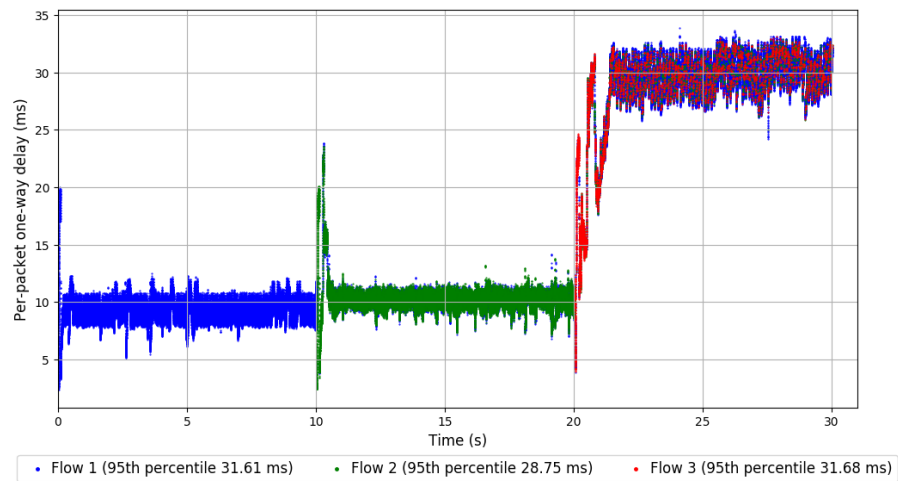
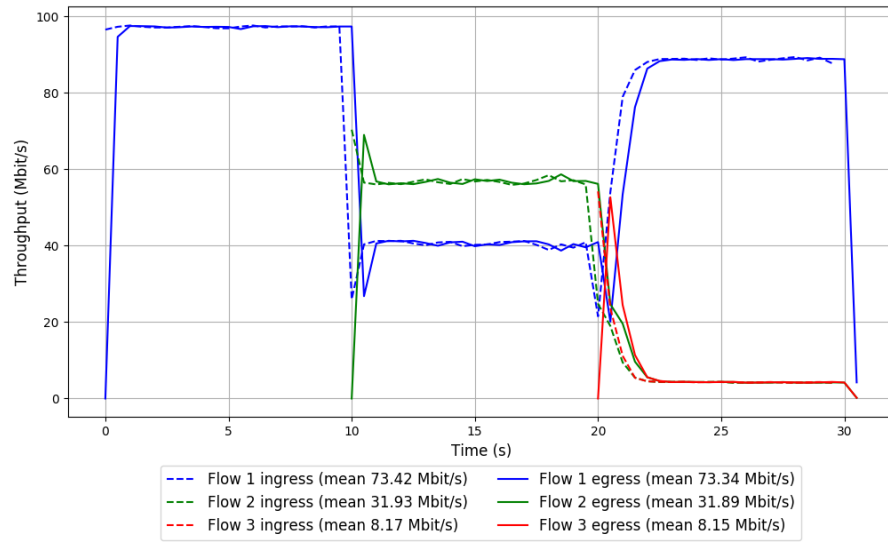


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 05:23:27  
End at: 2018-07-10 05:23:57  
Local clock offset: -1.928 ms  
Remote clock offset: -3.188 ms

# Below is generated by plot.py at 2018-07-10 06:53:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.30 Mbit/s  
95th percentile per-packet one-way delay: 31.448 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 73.34 Mbit/s  
95th percentile per-packet one-way delay: 31.612 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 31.89 Mbit/s  
95th percentile per-packet one-way delay: 28.753 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 8.15 Mbit/s  
95th percentile per-packet one-way delay: 31.681 ms  
Loss rate: 0.01%

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

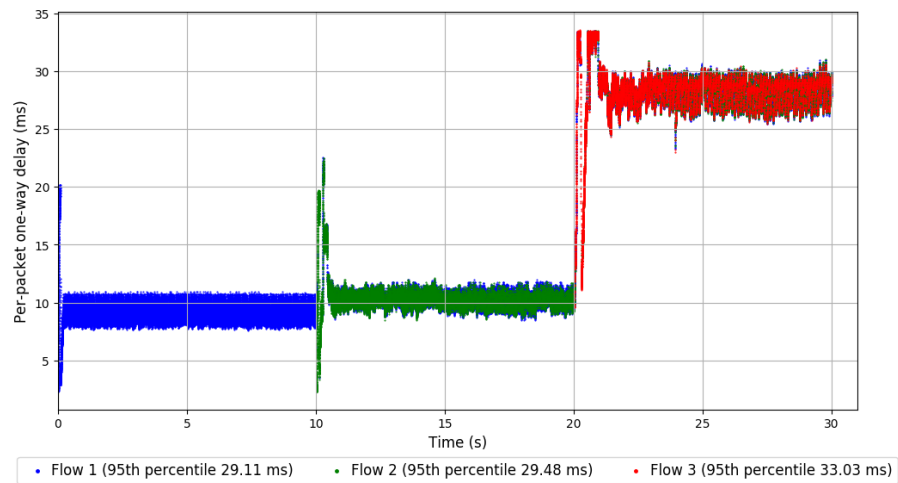
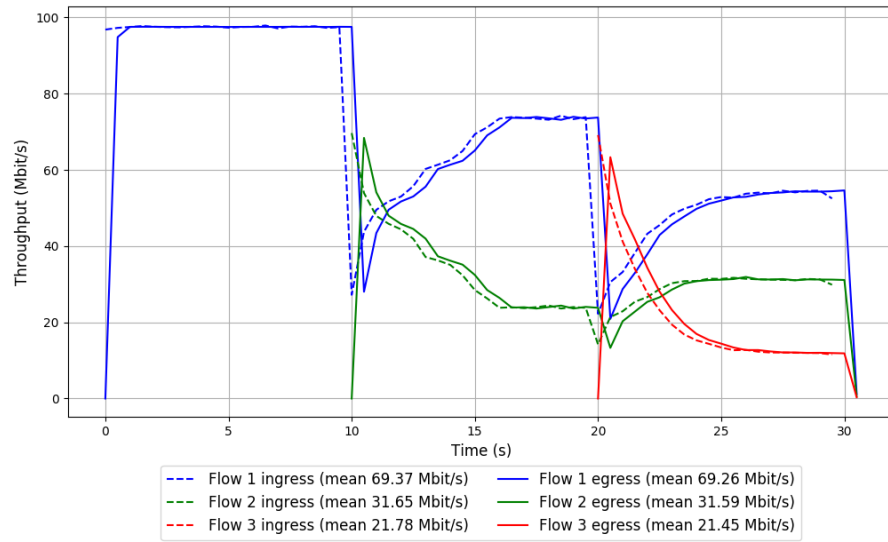


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 05:42:44  
End at: 2018-07-10 05:43:14  
Local clock offset: -1.726 ms  
Remote clock offset: -4.548 ms

# Below is generated by plot.py at 2018-07-10 06:53:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 29.376 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 69.26 Mbit/s  
95th percentile per-packet one-way delay: 29.108 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 31.59 Mbit/s  
95th percentile per-packet one-way delay: 29.480 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 21.45 Mbit/s  
95th percentile per-packet one-way delay: 33.027 ms  
Loss rate: 1.37%

# Run 7: Report of TCP BBR — Data Link

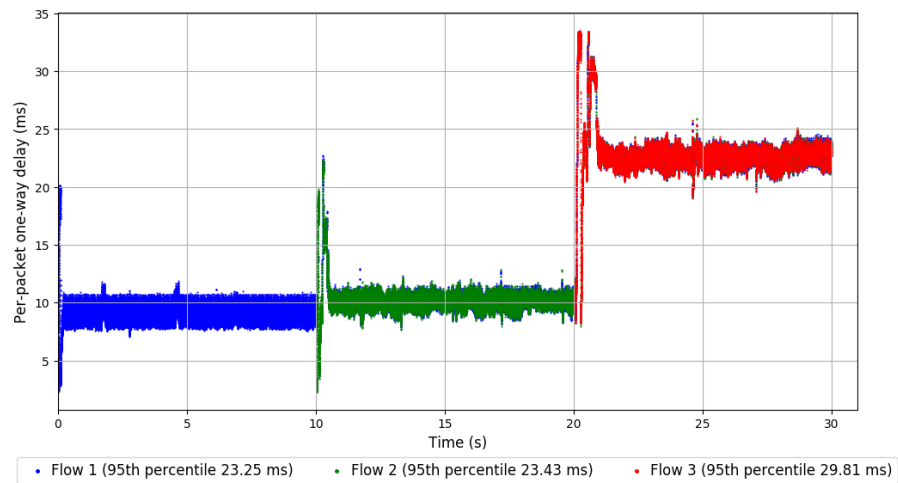
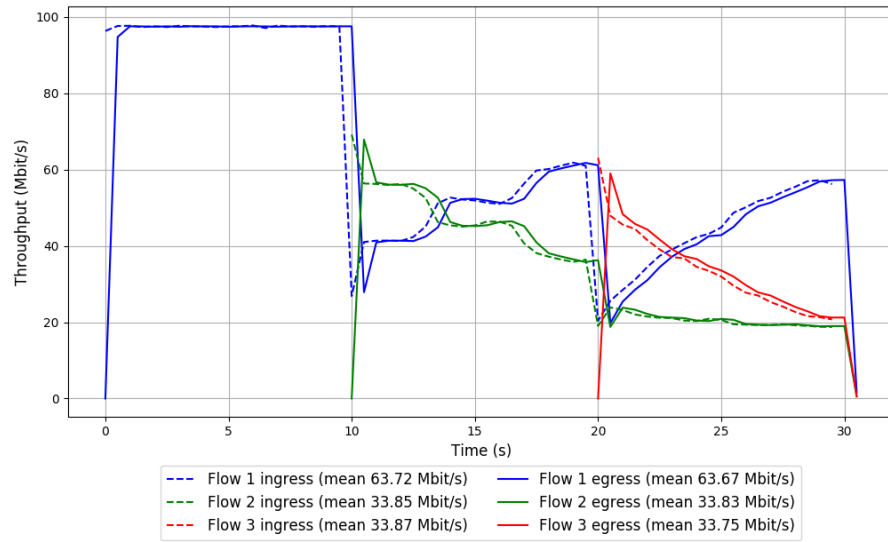


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 06:01:56  
End at: 2018-07-10 06:02:26  
Local clock offset: -1.573 ms  
Remote clock offset: -7.393 ms

# Below is generated by plot.py at 2018-07-10 06:53:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 23.493 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 63.67 Mbit/s  
95th percentile per-packet one-way delay: 23.253 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 33.83 Mbit/s  
95th percentile per-packet one-way delay: 23.426 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 33.75 Mbit/s  
95th percentile per-packet one-way delay: 29.806 ms  
Loss rate: 0.25%

# Run 8: Report of TCP BBR — Data Link



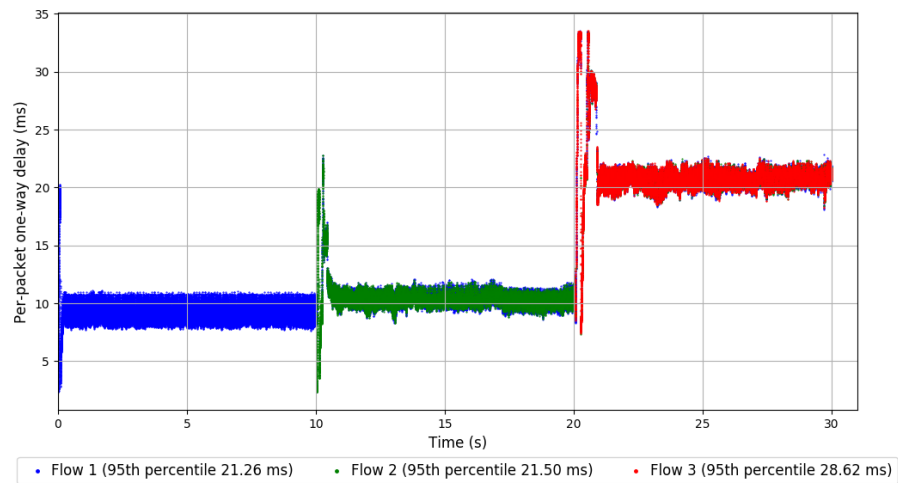
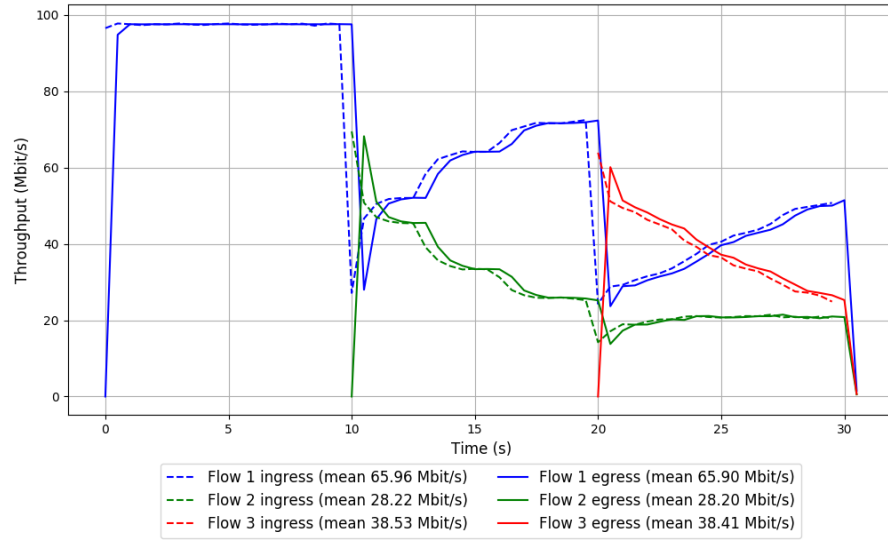
Run 9: Statistics of TCP BBR

Start at: 2018-07-10 06:21:07  
End at: 2018-07-10 06:21:37  
Local clock offset: -1.309 ms  
Remote clock offset: -9.506 ms

# Below is generated by plot.py at 2018-07-10 06:54:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 21.526 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 65.90 Mbit/s  
95th percentile per-packet one-way delay: 21.262 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 28.20 Mbit/s  
95th percentile per-packet one-way delay: 21.495 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 38.41 Mbit/s  
95th percentile per-packet one-way delay: 28.620 ms  
Loss rate: 0.17%



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

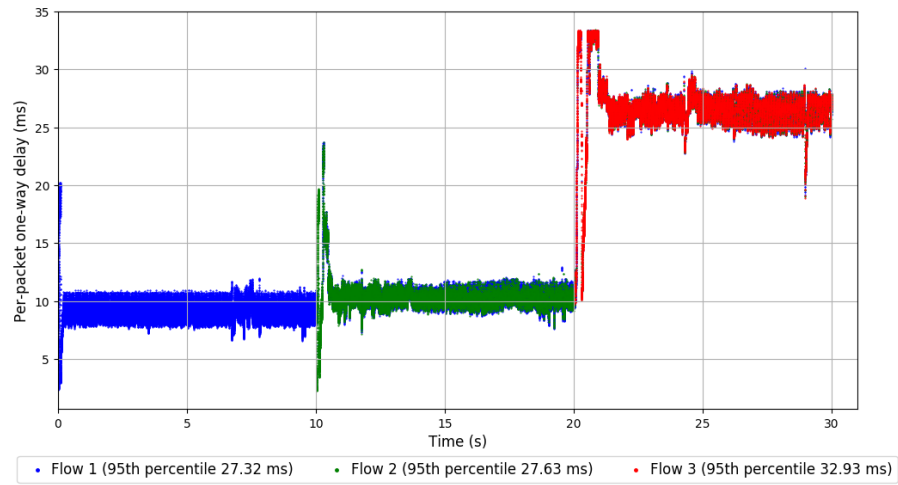
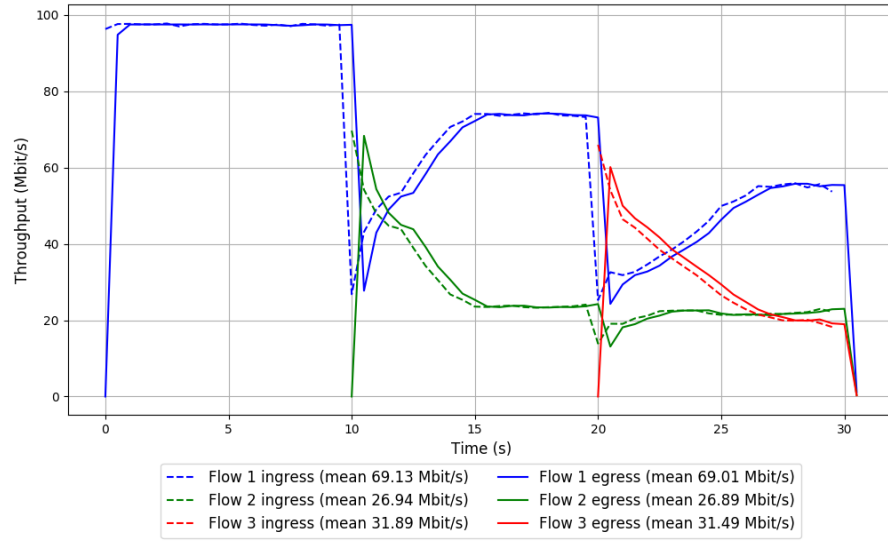


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 06:40:19  
End at: 2018-07-10 06:40:49  
Local clock offset: -1.119 ms  
Remote clock offset: -9.663 ms

# Below is generated by plot.py at 2018-07-10 06:54:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 27.638 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 69.01 Mbit/s  
95th percentile per-packet one-way delay: 27.319 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 26.89 Mbit/s  
95th percentile per-packet one-way delay: 27.629 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 32.929 ms  
Loss rate: 1.12%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-10 03:53:08

End at: 2018-07-10 03:53:38

Local clock offset: -2.255 ms

Remote clock offset: 6.375 ms

# Below is generated by plot.py at 2018-07-10 06:55:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 29.333 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 52.00 Mbit/s

95th percentile per-packet one-way delay: 28.628 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 29.909 ms

Loss rate: 0.01%

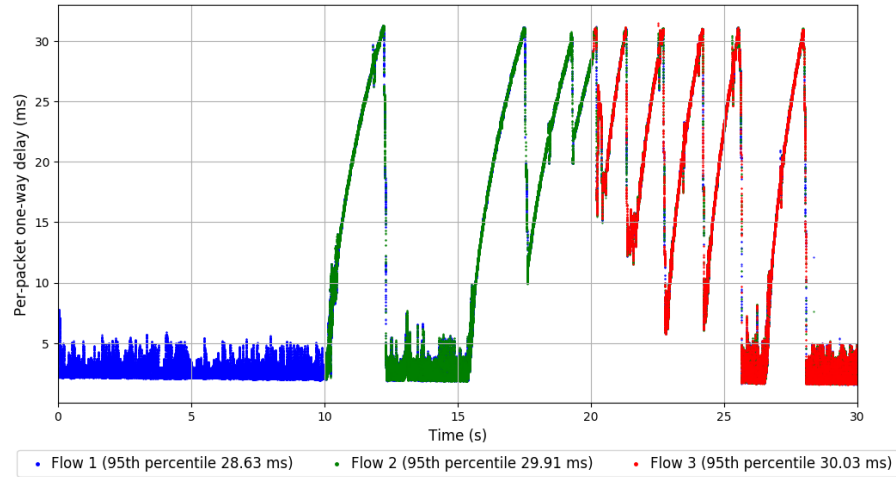
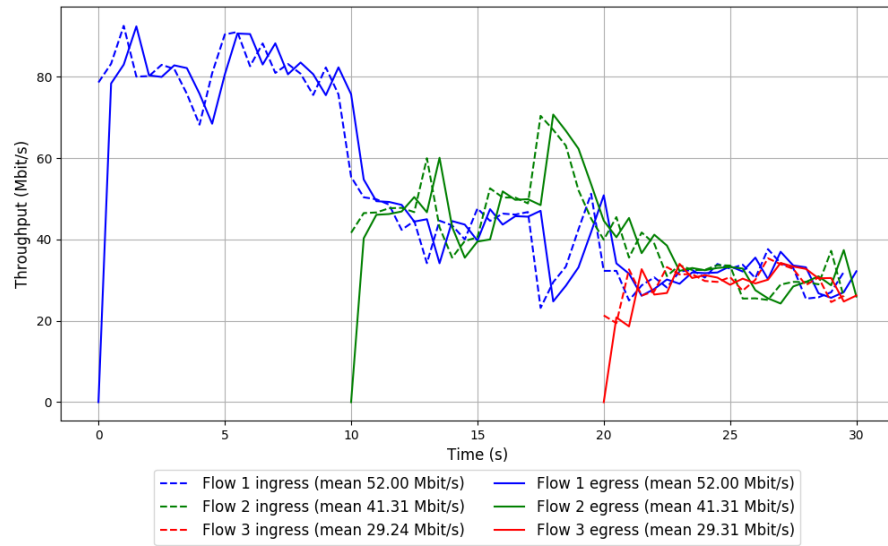
-- Flow 3:

Average throughput: 29.31 Mbit/s

95th percentile per-packet one-way delay: 30.028 ms

Loss rate: 0.04%

## Run 1: Report of Copa — Data Link

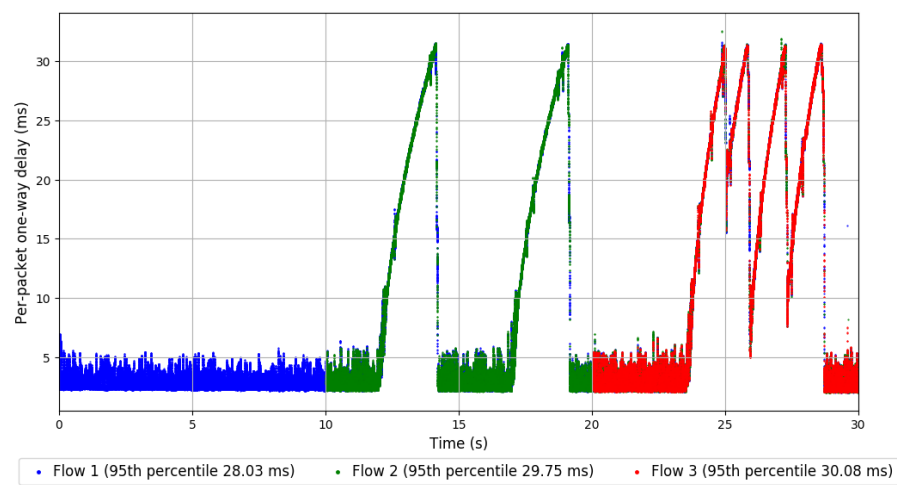
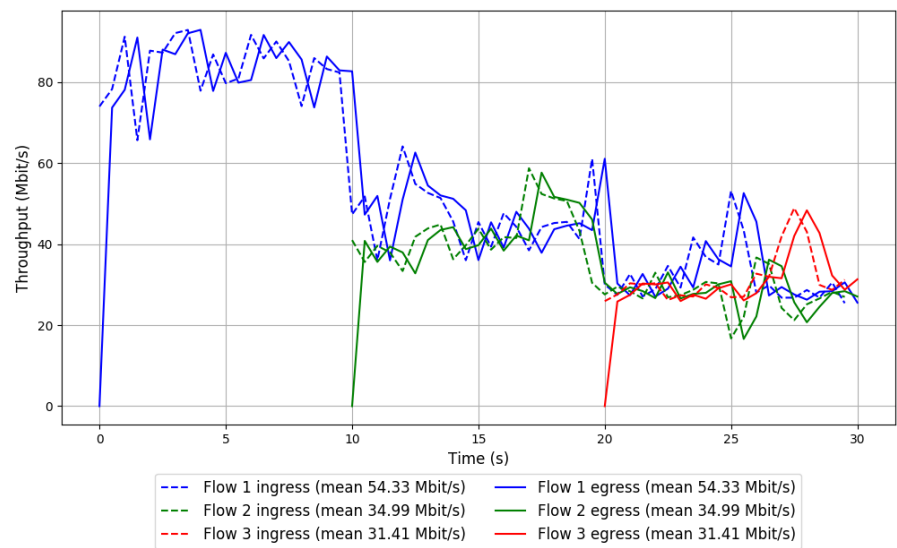


Run 2: Statistics of Copa

Start at: 2018-07-10 04:12:20  
End at: 2018-07-10 04:12:50  
Local clock offset: -2.186 ms  
Remote clock offset: 18.852 ms

# Below is generated by plot.py at 2018-07-10 06:55:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.07 Mbit/s  
95th percentile per-packet one-way delay: 29.022 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 54.33 Mbit/s  
95th percentile per-packet one-way delay: 28.031 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 34.99 Mbit/s  
95th percentile per-packet one-way delay: 29.750 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 31.41 Mbit/s  
95th percentile per-packet one-way delay: 30.083 ms  
Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-10 04:31:32

End at: 2018-07-10 04:32:02

Local clock offset: -2.093 ms

Remote clock offset: 26.24 ms

# Below is generated by plot.py at 2018-07-10 06:55:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 29.414 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 28.310 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 29.952 ms

Loss rate: 0.02%

-- Flow 3:

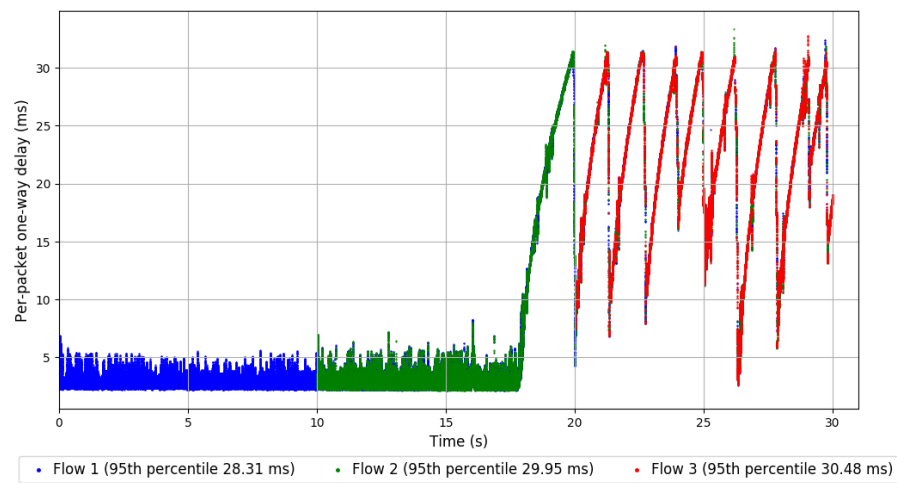
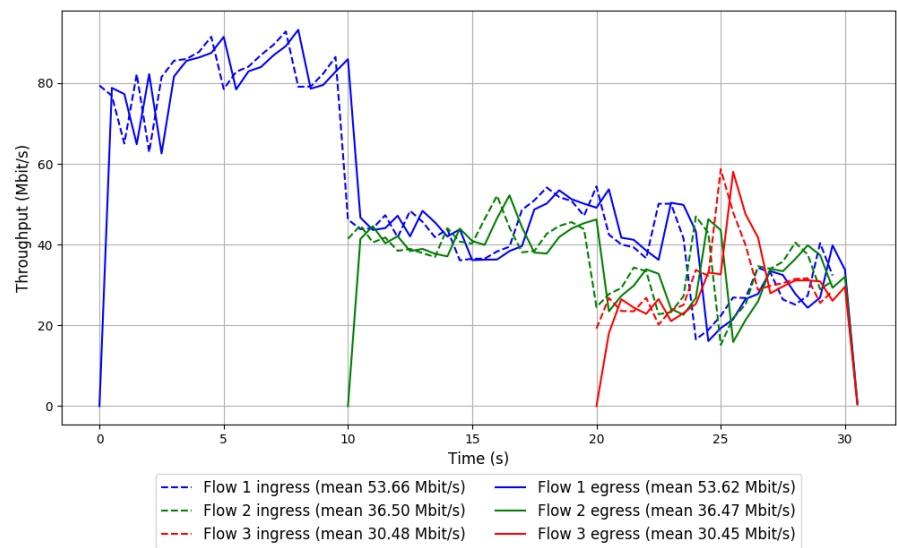
Average throughput: 30.45 Mbit/s

95th percentile per-packet one-way delay: 30.481 ms

Loss rate: 0.02%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-10 04:50:44

End at: 2018-07-10 04:51:14

Local clock offset: -1.999 ms

Remote clock offset: 33.16 ms

# Below is generated by plot.py at 2018-07-10 06:55:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 25.823 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 20.350 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.04 Mbit/s

95th percentile per-packet one-way delay: 26.616 ms

Loss rate: 0.01%

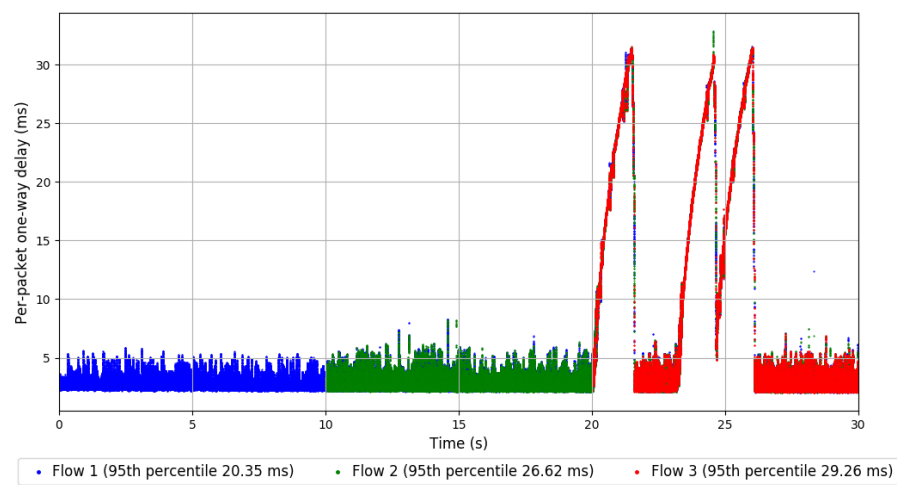
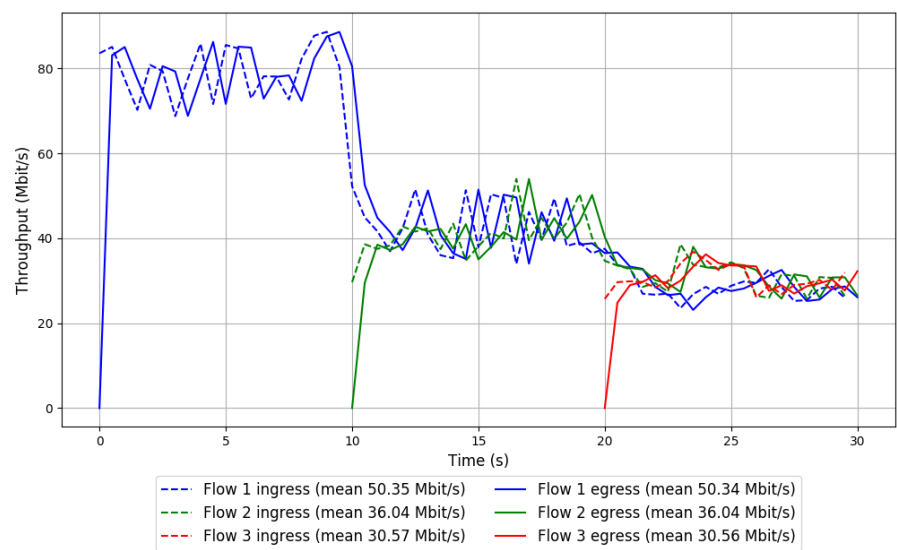
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 29.260 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-10 05:09:56

End at: 2018-07-10 05:10:26

Local clock offset: -1.989 ms

Remote clock offset: 3.166 ms

# Below is generated by plot.py at 2018-07-10 06:55:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.02 Mbit/s

95th percentile per-packet one-way delay: 5.149 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 4.840 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 5.453 ms

Loss rate: 0.00%

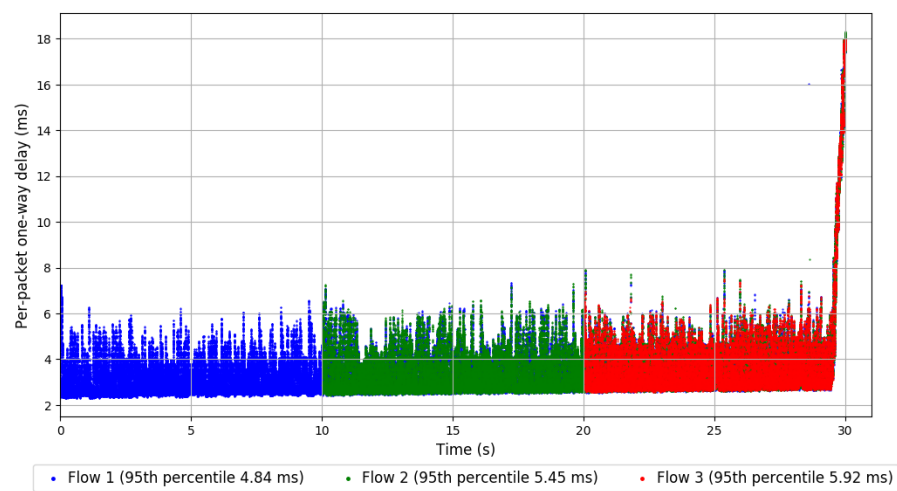
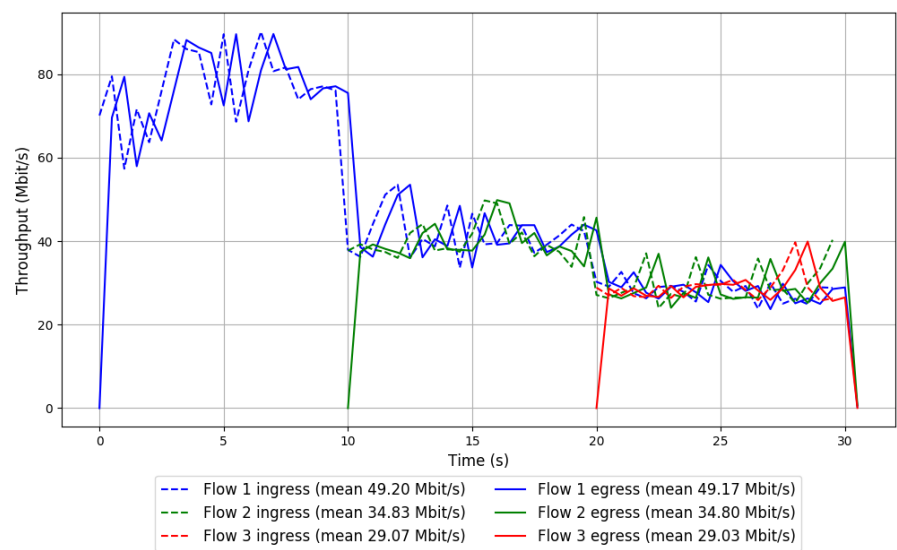
-- Flow 3:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 5.921 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

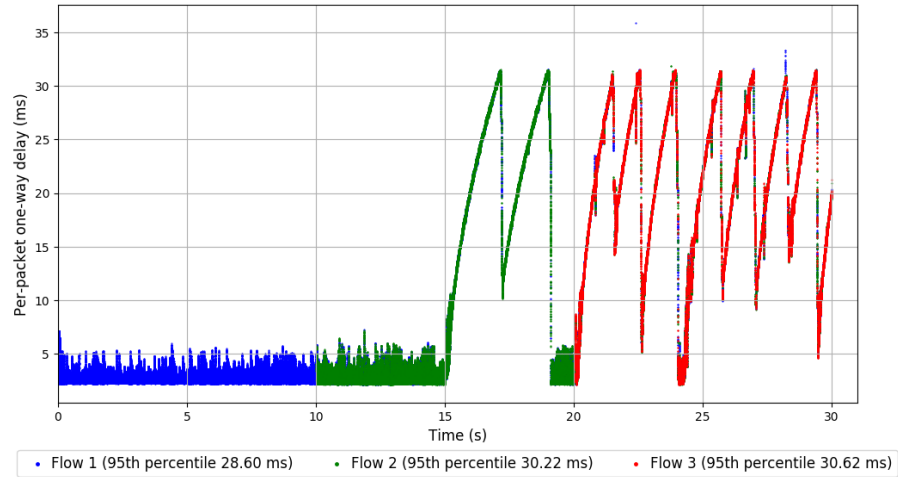
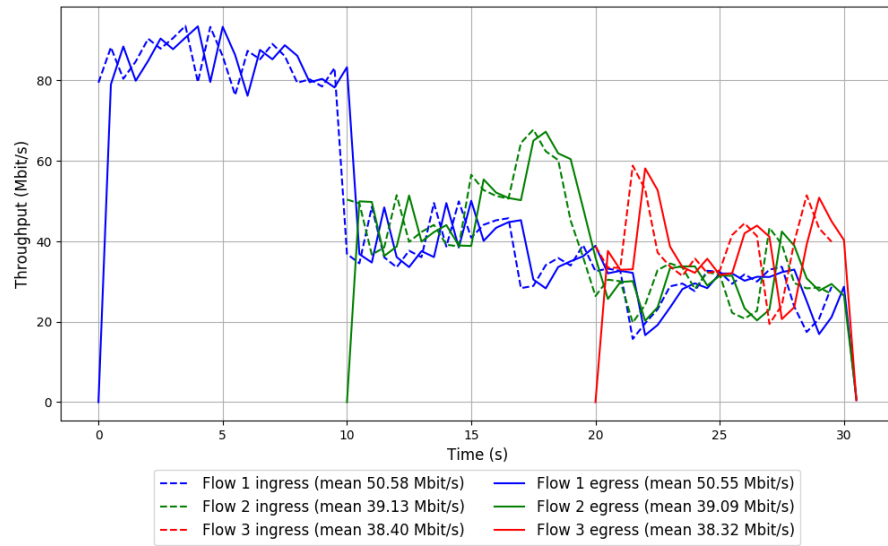


Run 6: Statistics of Copa

Start at: 2018-07-10 05:29:08  
End at: 2018-07-10 05:29:38  
Local clock offset: -1.867 ms  
Remote clock offset: -4.125 ms

# Below is generated by plot.py at 2018-07-10 06:55:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.35 Mbit/s  
95th percentile per-packet one-way delay: 29.851 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 50.55 Mbit/s  
95th percentile per-packet one-way delay: 28.603 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 39.09 Mbit/s  
95th percentile per-packet one-way delay: 30.216 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 38.32 Mbit/s  
95th percentile per-packet one-way delay: 30.624 ms  
Loss rate: 0.02%

## Run 6: Report of Copa — Data Link



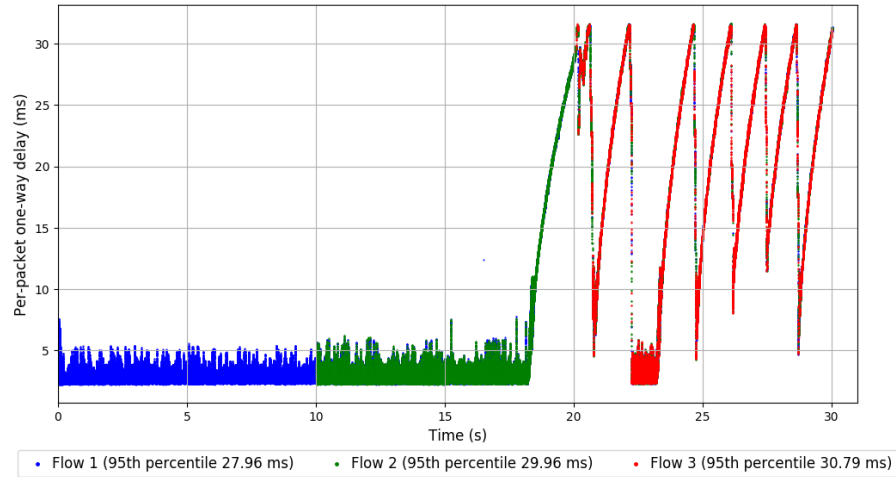
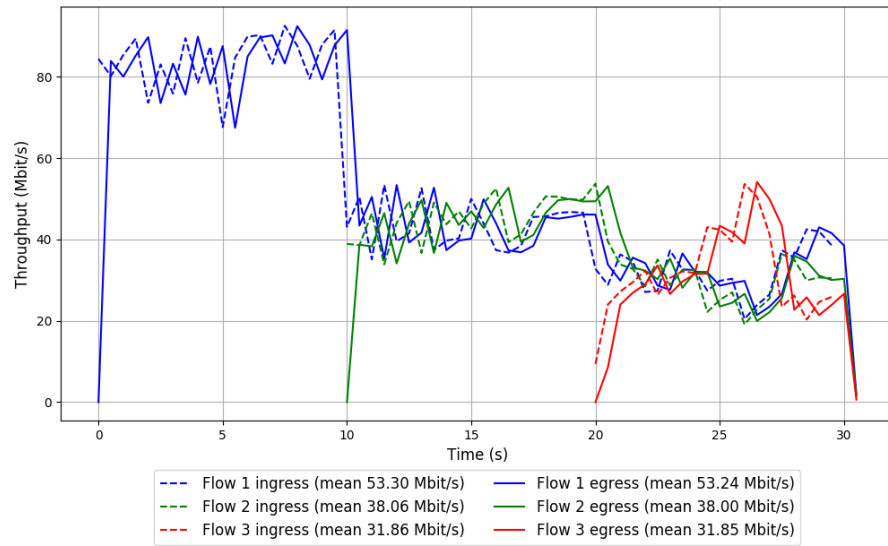
Run 7: Statistics of Copa

Start at: 2018-07-10 05:48:25  
End at: 2018-07-10 05:48:55  
Local clock offset: -1.69 ms  
Remote clock offset: -5.396 ms

# Below is generated by plot.py at 2018-07-10 06:57:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.13 Mbit/s  
95th percentile per-packet one-way delay: 29.452 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 53.24 Mbit/s  
95th percentile per-packet one-way delay: 27.962 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.00 Mbit/s  
95th percentile per-packet one-way delay: 29.957 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 31.85 Mbit/s  
95th percentile per-packet one-way delay: 30.793 ms  
Loss rate: 0.02%



## Run 7: Report of Copa — Data Link

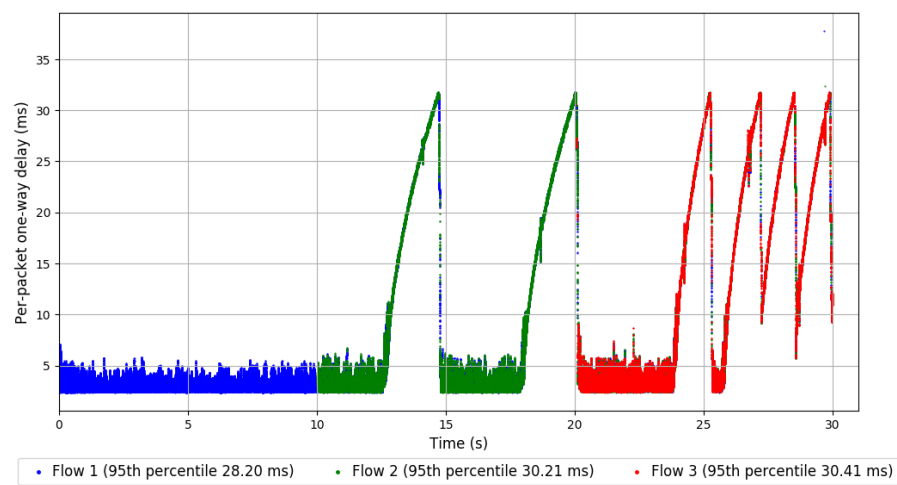
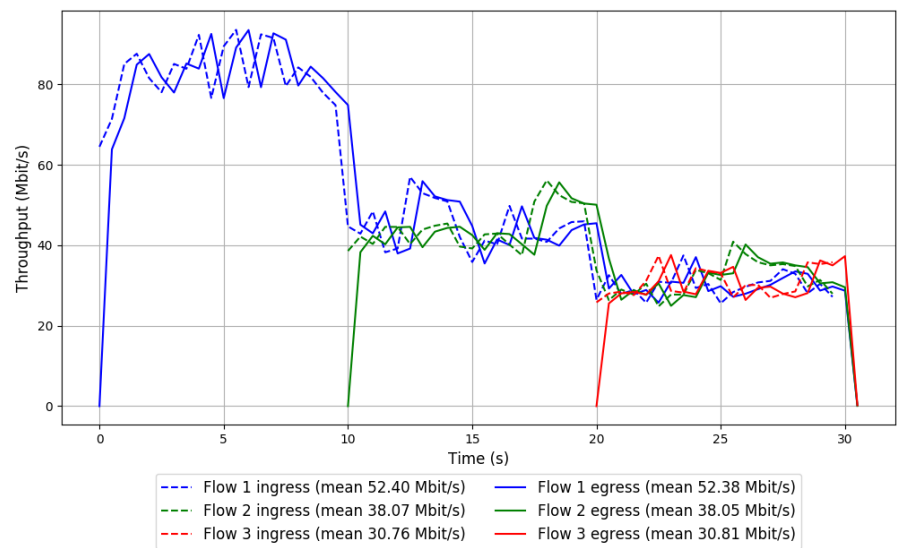


Run 8: Statistics of Copa

Start at: 2018-07-10 06:07:37  
End at: 2018-07-10 06:08:07  
Local clock offset: -1.557 ms  
Remote clock offset: -7.791 ms

# Below is generated by plot.py at 2018-07-10 06:57:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.96 Mbit/s  
95th percentile per-packet one-way delay: 29.439 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 52.38 Mbit/s  
95th percentile per-packet one-way delay: 28.205 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.05 Mbit/s  
95th percentile per-packet one-way delay: 30.208 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 30.81 Mbit/s  
95th percentile per-packet one-way delay: 30.413 ms  
Loss rate: 0.02%

Run 8: Report of Copa — Data Link

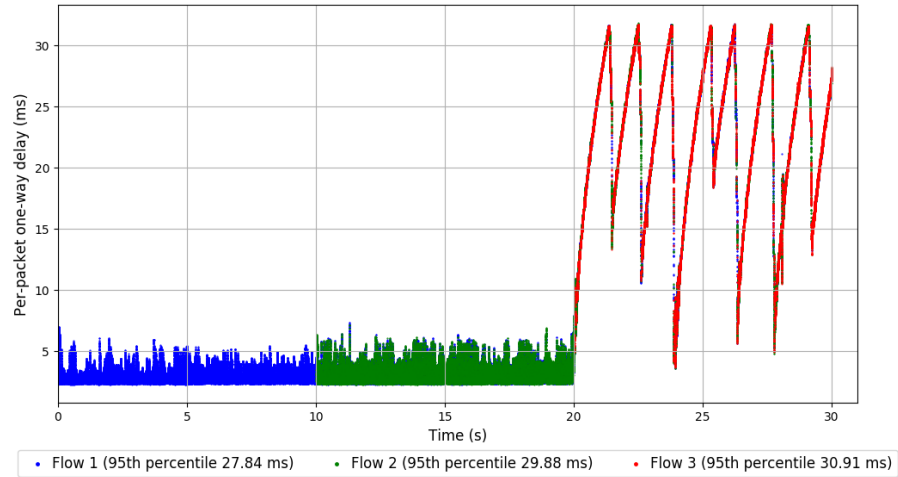
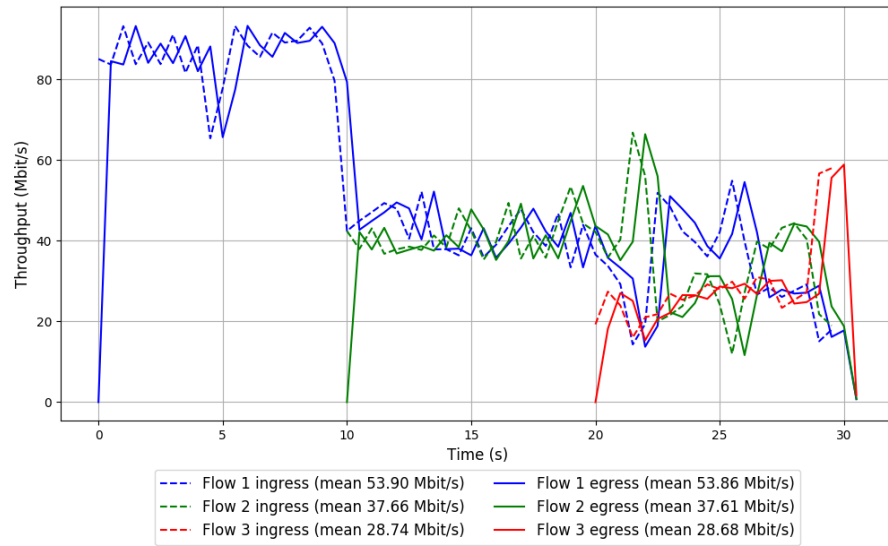


Run 9: Statistics of Copa

Start at: 2018-07-10 06:26:48  
End at: 2018-07-10 06:27:18  
Local clock offset: -1.266 ms  
Remote clock offset: -10.371 ms

# Below is generated by plot.py at 2018-07-10 06:57:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.46 Mbit/s  
95th percentile per-packet one-way delay: 29.529 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 53.86 Mbit/s  
95th percentile per-packet one-way delay: 27.839 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 37.61 Mbit/s  
95th percentile per-packet one-way delay: 29.875 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 28.68 Mbit/s  
95th percentile per-packet one-way delay: 30.908 ms  
Loss rate: 0.02%

## Run 9: Report of Copa — Data Link

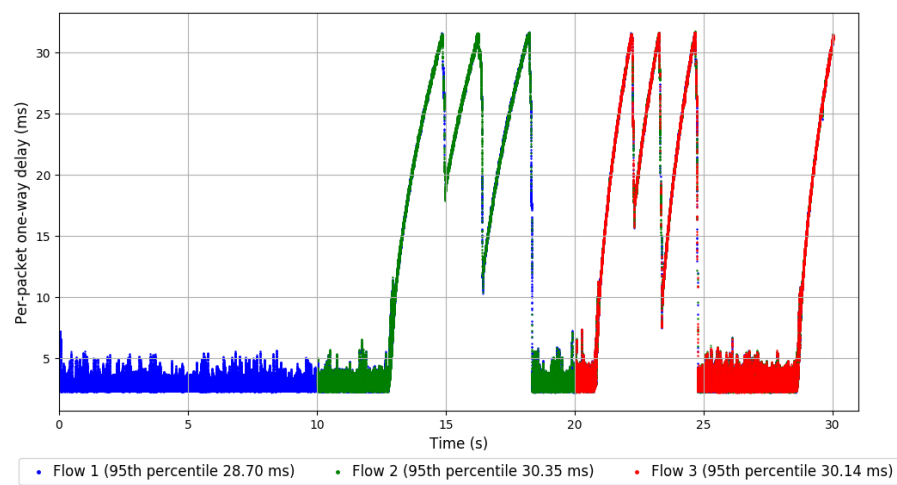
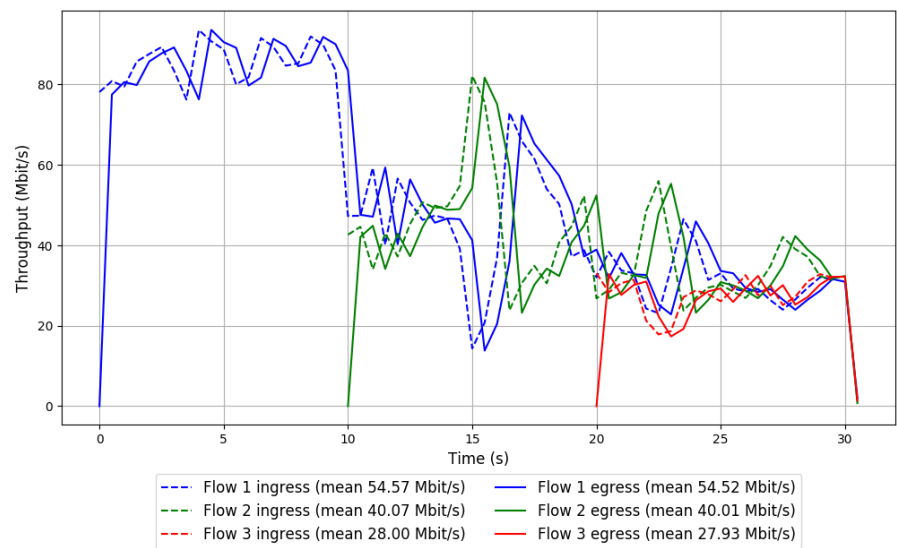


Run 10: Statistics of Copa

Start at: 2018-07-10 06:45:59  
End at: 2018-07-10 06:46:29  
Local clock offset: -1.012 ms  
Remote clock offset: -8.724 ms

# Below is generated by plot.py at 2018-07-10 06:57:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.47 Mbit/s  
95th percentile per-packet one-way delay: 29.750 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 54.52 Mbit/s  
95th percentile per-packet one-way delay: 28.703 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 40.01 Mbit/s  
95th percentile per-packet one-way delay: 30.353 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 27.93 Mbit/s  
95th percentile per-packet one-way delay: 30.142 ms  
Loss rate: 0.01%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 03:55:22

End at: 2018-07-10 03:55:52

Local clock offset: -2.322 ms

Remote clock offset: 8.468 ms

# Below is generated by plot.py at 2018-07-10 06:57:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 32.165 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 32.148 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.72 Mbit/s

95th percentile per-packet one-way delay: 32.174 ms

Loss rate: 0.07%

-- Flow 3:

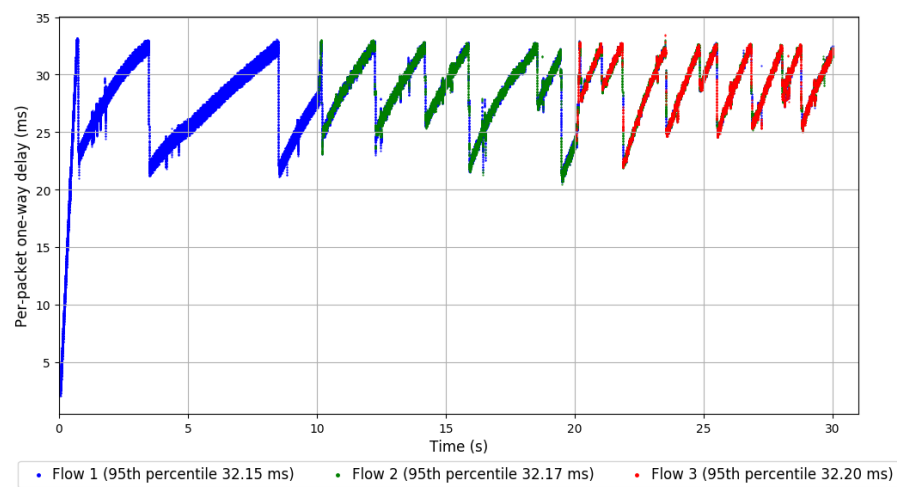
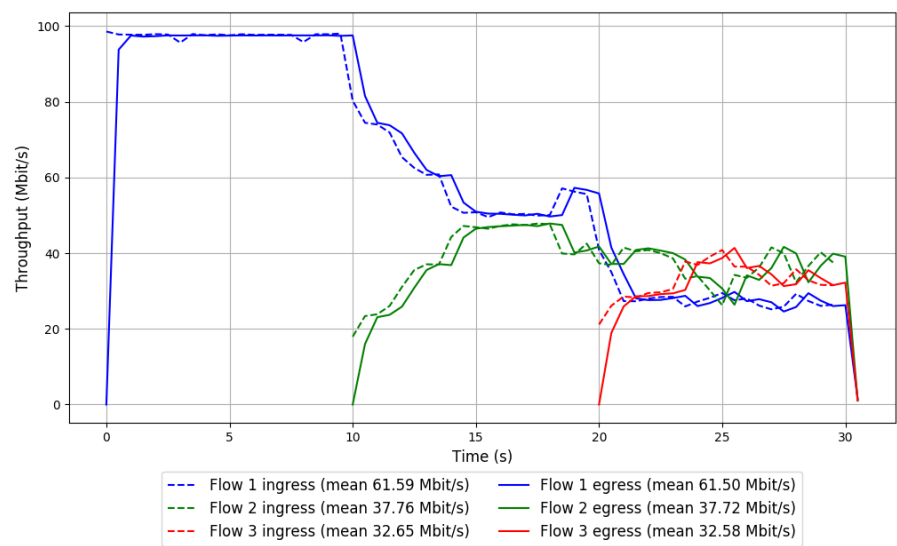
Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 32.201 ms

Loss rate: 0.11%



Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 04:14:34

End at: 2018-07-10 04:15:04

Local clock offset: -2.22 ms

Remote clock offset: 19.73 ms

# Below is generated by plot.py at 2018-07-10 06:57:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

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

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.42 Mbit/s

95th percentile per-packet one-way delay: 32.262 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 32.368 ms

Loss rate: 0.07%

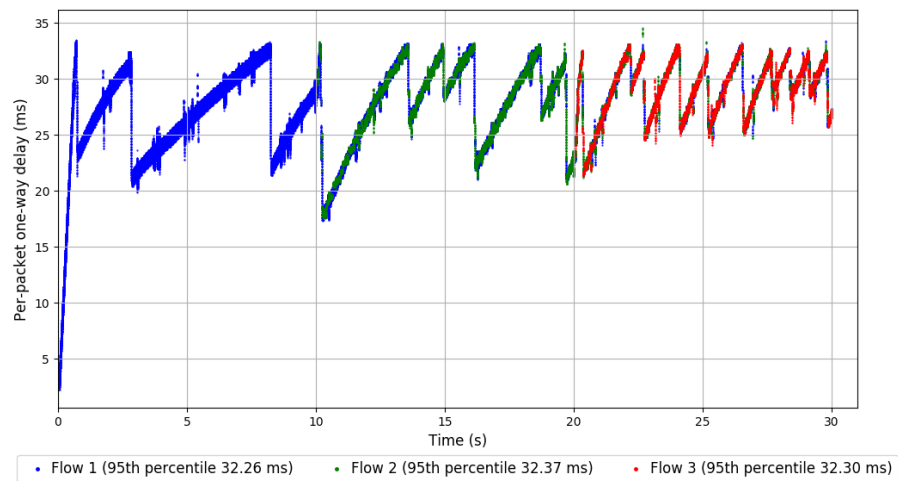
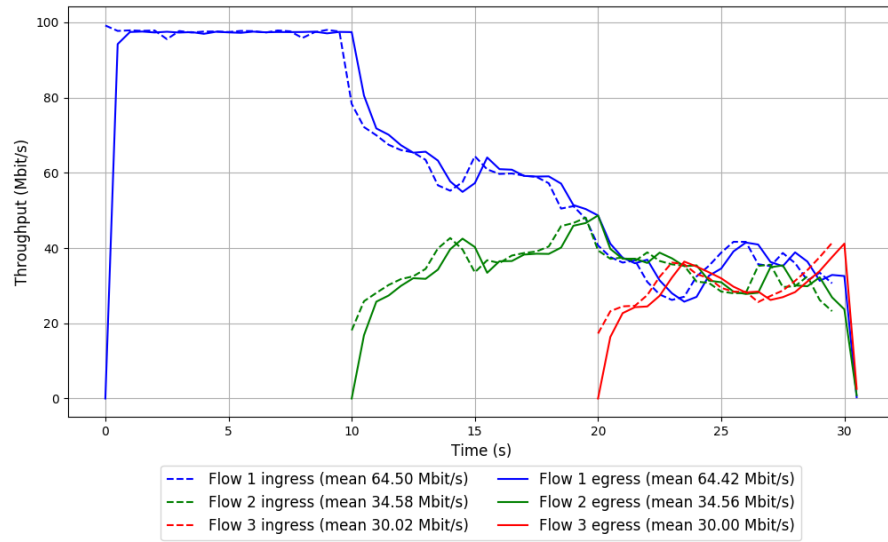
-- Flow 3:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 32.302 ms

Loss rate: 0.02%

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



Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 04:33:46

End at: 2018-07-10 04:34:16

Local clock offset: -2.135 ms

Remote clock offset: 26.98 ms

# Below is generated by plot.py at 2018-07-10 06:57:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 31.997 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 63.86 Mbit/s

95th percentile per-packet one-way delay: 31.688 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 32.223 ms

Loss rate: 0.10%

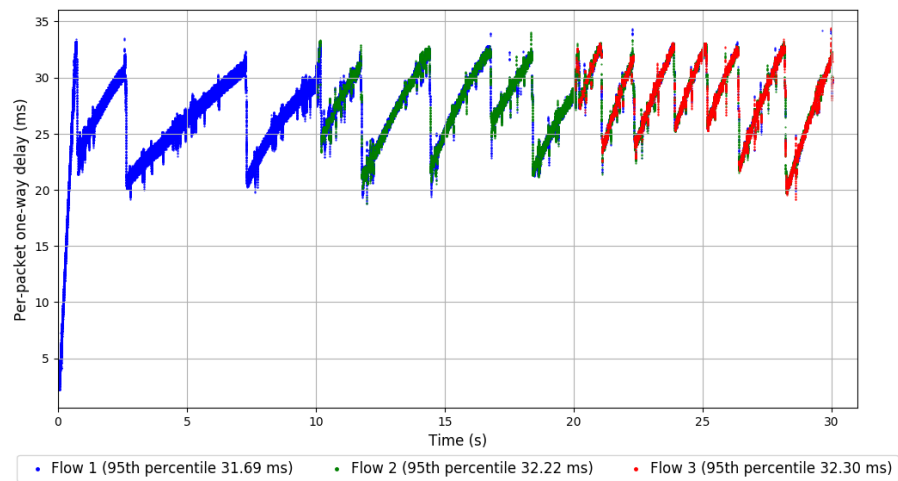
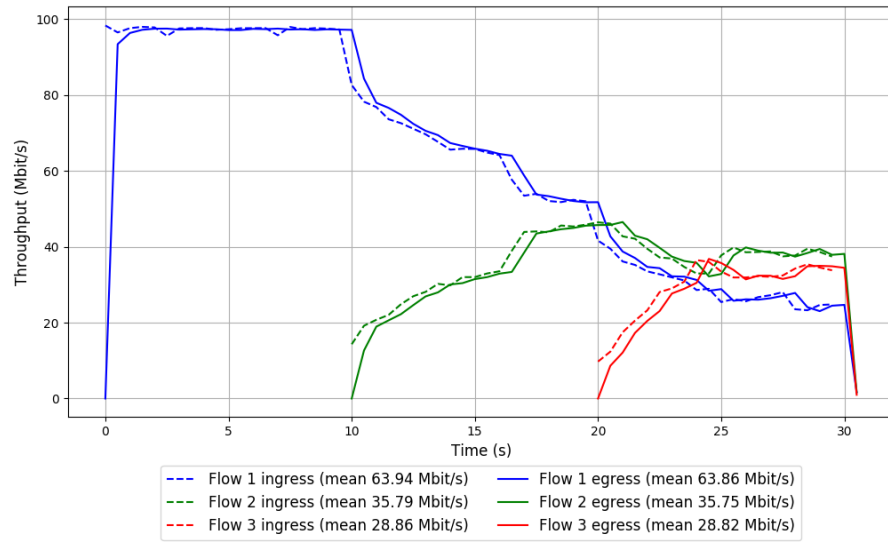
-- Flow 3:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: 32.297 ms

Loss rate: 0.10%

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

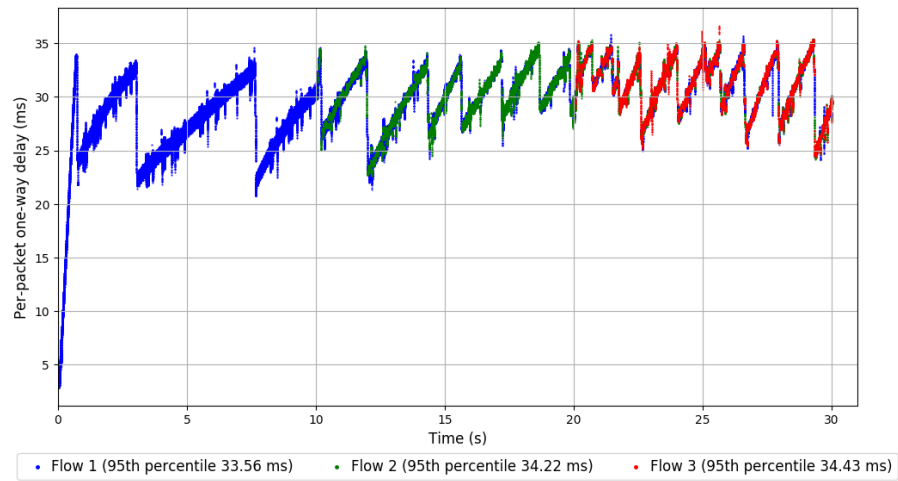
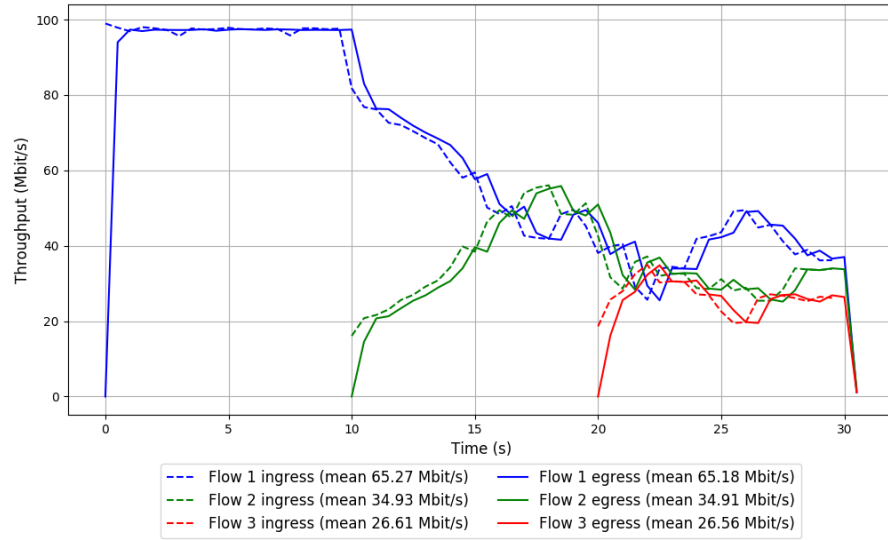


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 04:52:58  
End at: 2018-07-10 04:53:28  
Local clock offset: -2.024 ms  
Remote clock offset: 33.916 ms

# Below is generated by plot.py at 2018-07-10 06:57:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.24 Mbit/s  
95th percentile per-packet one-way delay: 33.948 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 65.18 Mbit/s  
95th percentile per-packet one-way delay: 33.559 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 34.91 Mbit/s  
95th percentile per-packet one-way delay: 34.215 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 26.56 Mbit/s  
95th percentile per-packet one-way delay: 34.431 ms  
Loss rate: 0.21%

# Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 05:12:10

End at: 2018-07-10 05:12:40

Local clock offset: -2.045 ms

Remote clock offset: 1.682 ms

# Below is generated by plot.py at 2018-07-10 06:58:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 32.682 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 32.565 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 32.814 ms

Loss rate: 0.10%

-- Flow 3:

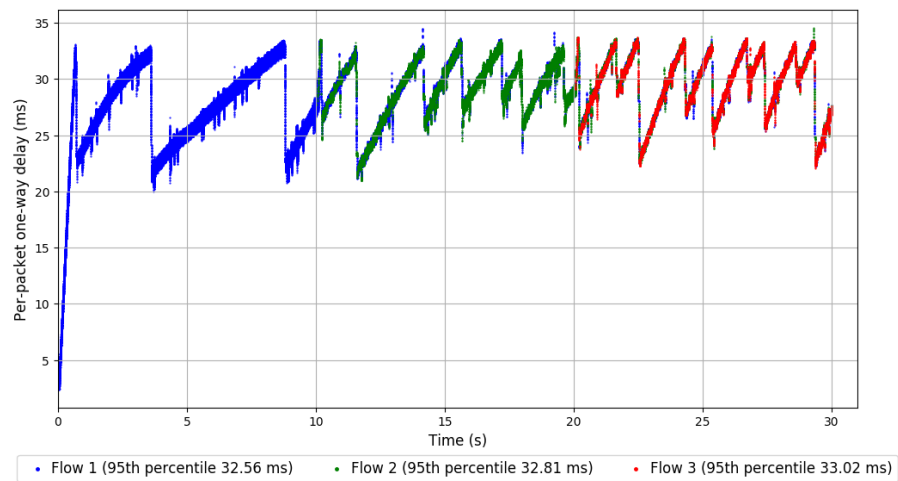
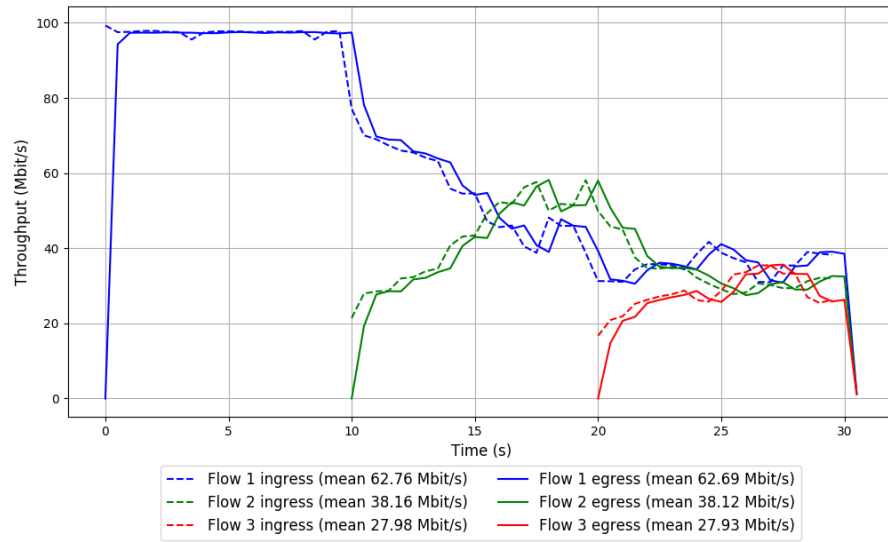
Average throughput: 27.93 Mbit/s

95th percentile per-packet one-way delay: 33.015 ms

Loss rate: 0.19%



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

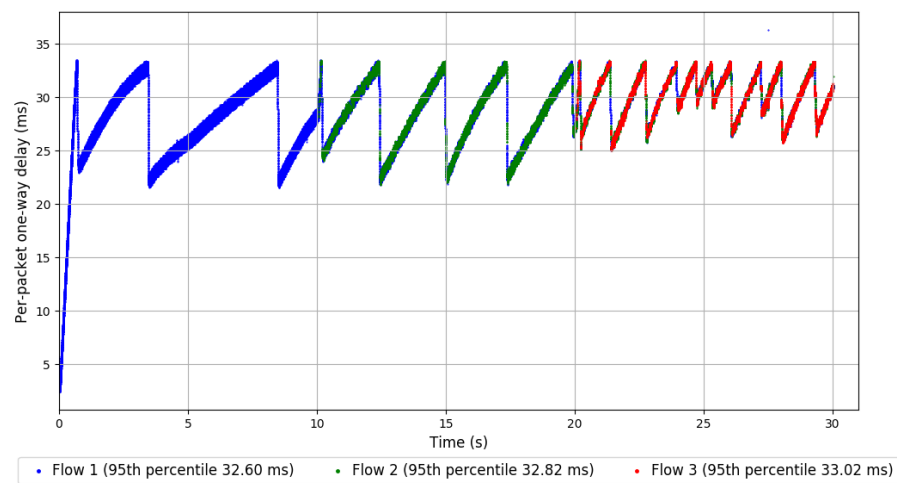
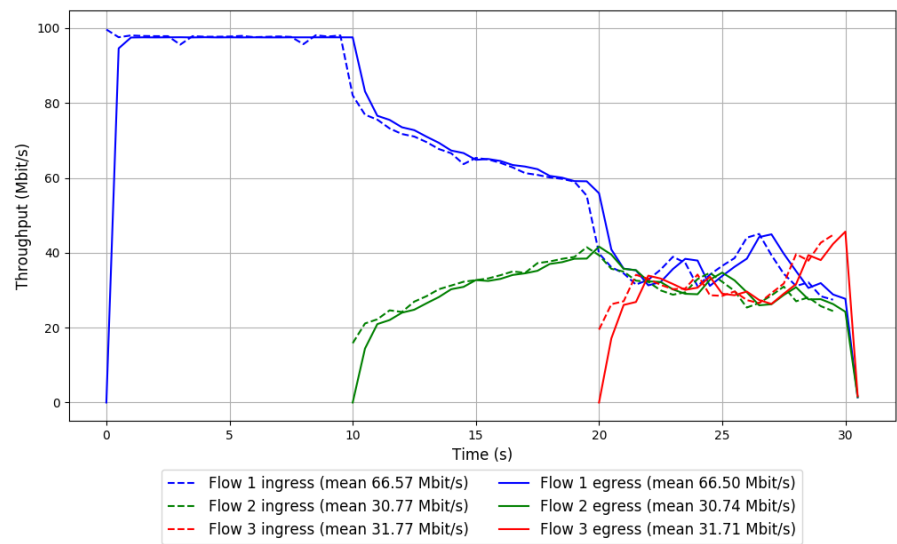


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 05:31:22  
End at: 2018-07-10 05:31:52  
Local clock offset: -1.85 ms  
Remote clock offset: -3.808 ms

# Below is generated by plot.py at 2018-07-10 06:58:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.778 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 66.50 Mbit/s  
95th percentile per-packet one-way delay: 32.597 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 30.74 Mbit/s  
95th percentile per-packet one-way delay: 32.818 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 31.71 Mbit/s  
95th percentile per-packet one-way delay: 33.020 ms  
Loss rate: 0.14%

Run 6: Report of TCP Cubic — Data Link

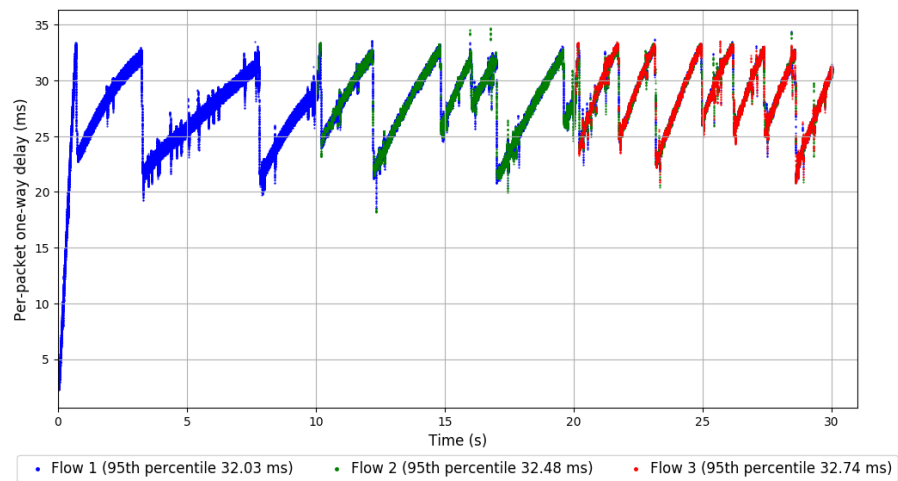
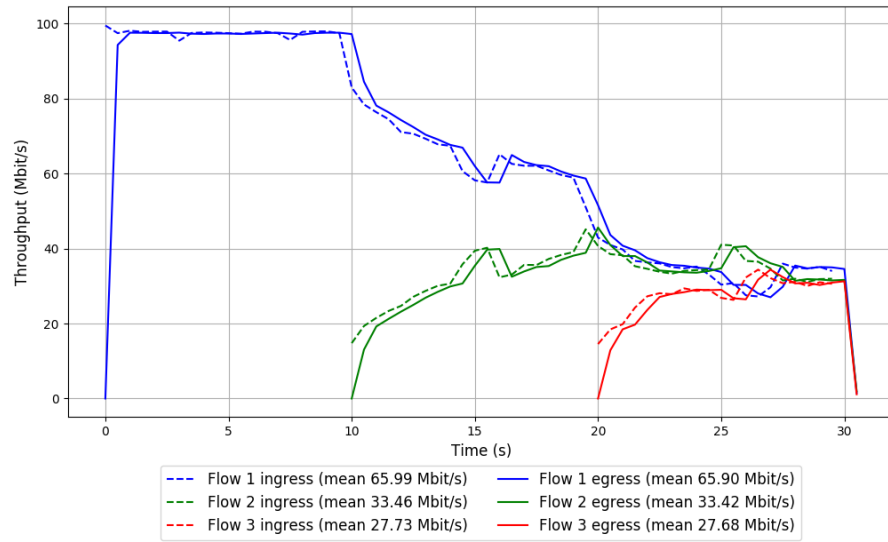


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 05:50:39  
End at: 2018-07-10 05:51:09  
Local clock offset: -1.659 ms  
Remote clock offset: -5.679 ms

# Below is generated by plot.py at 2018-07-10 06:58:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.34 Mbit/s  
95th percentile per-packet one-way delay: 32.255 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 65.90 Mbit/s  
95th percentile per-packet one-way delay: 32.030 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 33.42 Mbit/s  
95th percentile per-packet one-way delay: 32.479 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 27.68 Mbit/s  
95th percentile per-packet one-way delay: 32.740 ms  
Loss rate: 0.17%

# Run 7: Report of TCP Cubic — Data Link

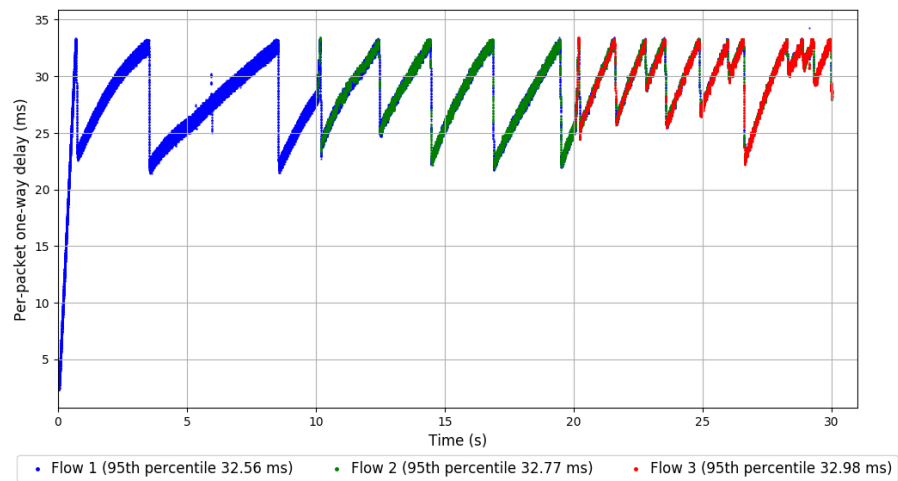
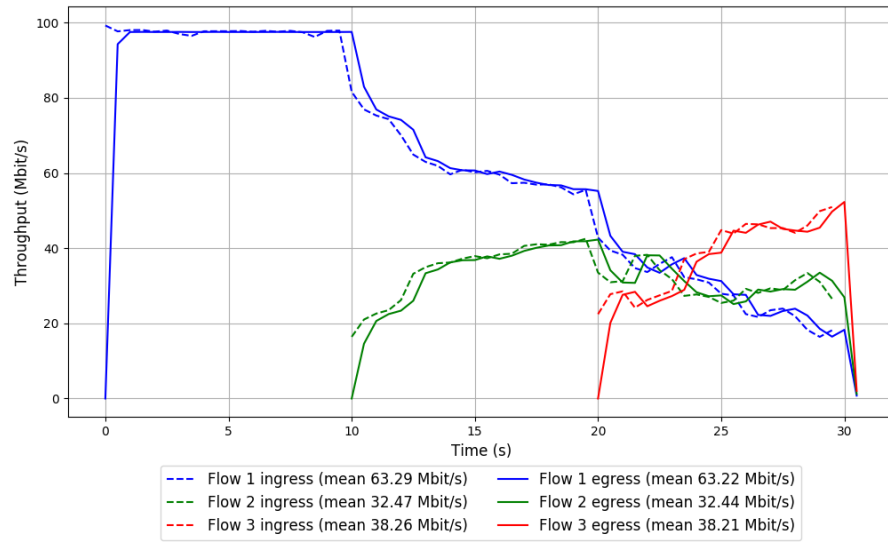


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 06:09:51  
End at: 2018-07-10 06:10:21  
Local clock offset: -1.472 ms  
Remote clock offset: -8.106 ms

# Below is generated by plot.py at 2018-07-10 06:58:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.723 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 63.22 Mbit/s  
95th percentile per-packet one-way delay: 32.556 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 32.44 Mbit/s  
95th percentile per-packet one-way delay: 32.773 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 38.21 Mbit/s  
95th percentile per-packet one-way delay: 32.975 ms  
Loss rate: 0.09%

# Run 8: Report of TCP Cubic — Data Link



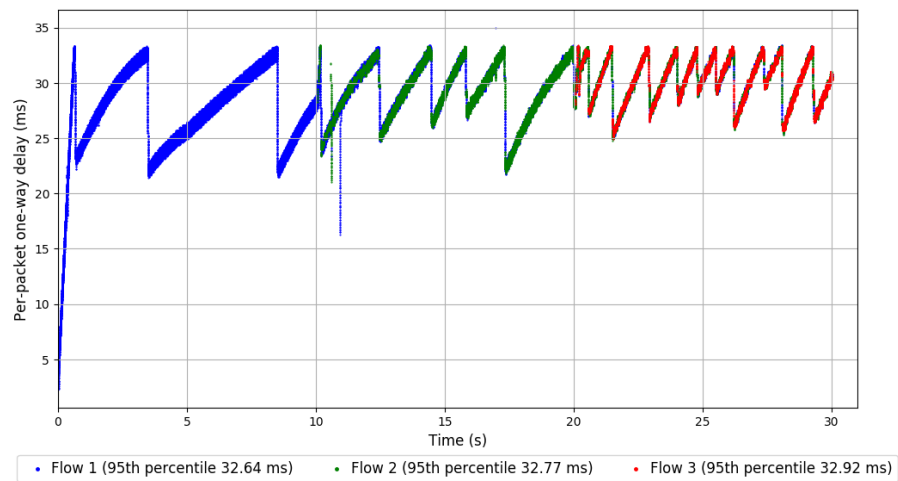
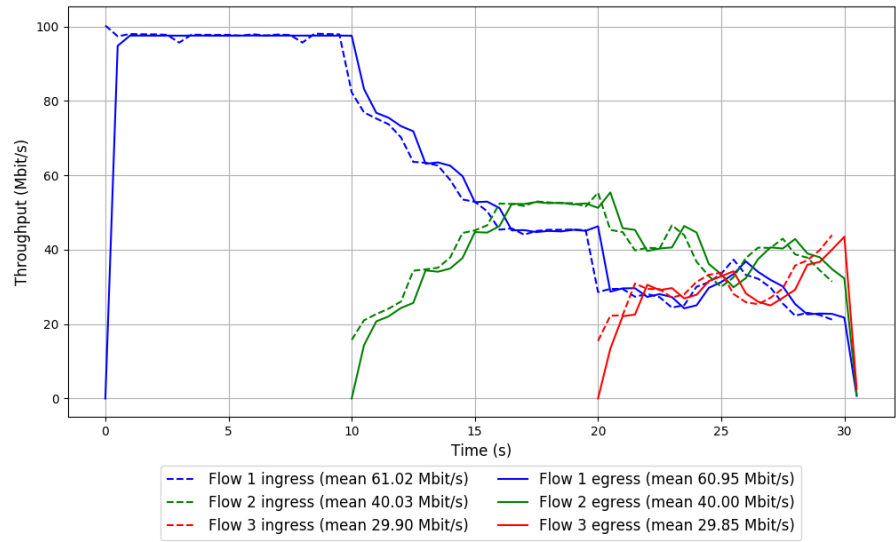
Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 06:29:02  
End at: 2018-07-10 06:29:32  
Local clock offset: -1.246 ms  
Remote clock offset: -10.748 ms

# Below is generated by plot.py at 2018-07-10 06:58:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.49 Mbit/s  
95th percentile per-packet one-way delay: 32.722 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 60.95 Mbit/s  
95th percentile per-packet one-way delay: 32.637 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 40.00 Mbit/s  
95th percentile per-packet one-way delay: 32.770 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.85 Mbit/s  
95th percentile per-packet one-way delay: 32.923 ms  
Loss rate: 0.14%



# Run 9: Report of TCP Cubic — Data Link

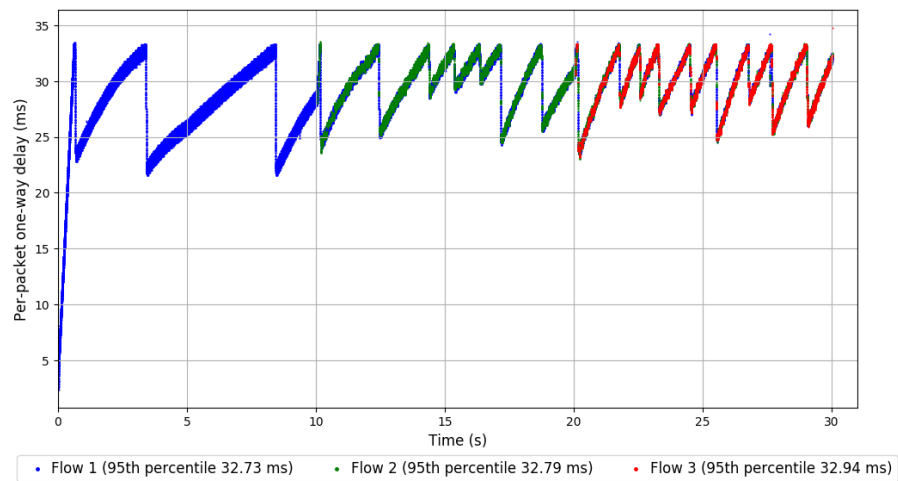
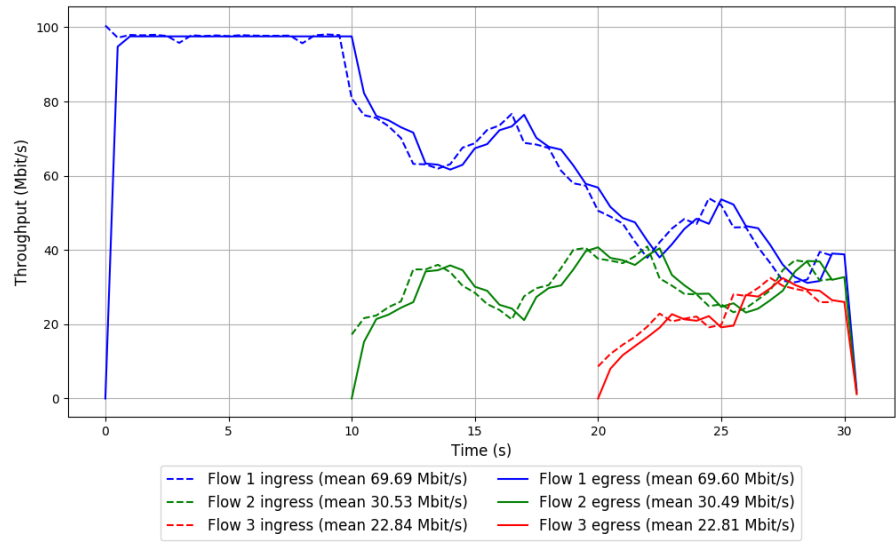


Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 06:48:14  
End at: 2018-07-10 06:48:44  
Local clock offset: -1.038 ms  
Remote clock offset: -8.541 ms

# Below is generated by plot.py at 2018-07-10 06:58:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.751 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 69.60 Mbit/s  
95th percentile per-packet one-way delay: 32.728 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 30.49 Mbit/s  
95th percentile per-packet one-way delay: 32.787 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 22.81 Mbit/s  
95th percentile per-packet one-way delay: 32.940 ms  
Loss rate: 0.10%

# Run 10: Report of TCP Cubic — Data Link

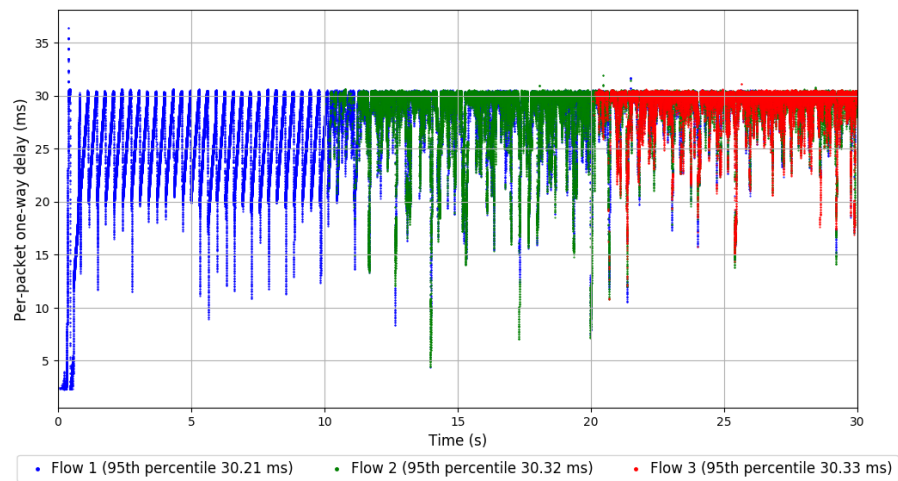
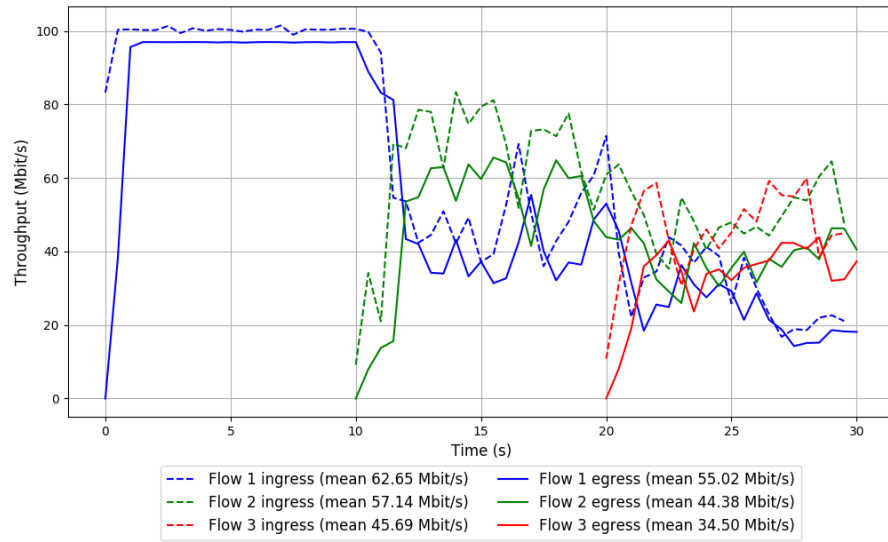


Run 1: Statistics of FillP

Start at: 2018-07-10 03:37:18  
End at: 2018-07-10 03:37:48  
Local clock offset: -2.172 ms  
Remote clock offset: -7.164 ms

# Below is generated by plot.py at 2018-07-10 06:59:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.95 Mbit/s  
95th percentile per-packet one-way delay: 30.281 ms  
Loss rate: 17.08%  
-- Flow 1:  
Average throughput: 55.02 Mbit/s  
95th percentile per-packet one-way delay: 30.212 ms  
Loss rate: 12.11%  
-- Flow 2:  
Average throughput: 44.38 Mbit/s  
95th percentile per-packet one-way delay: 30.315 ms  
Loss rate: 22.33%  
-- Flow 3:  
Average throughput: 34.50 Mbit/s  
95th percentile per-packet one-way delay: 30.328 ms  
Loss rate: 24.49%

# Run 1: Report of FillP — Data Link

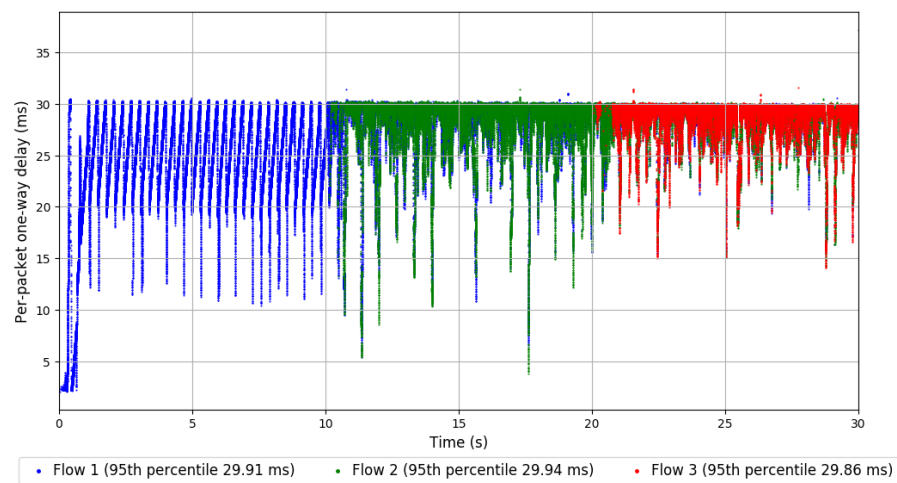
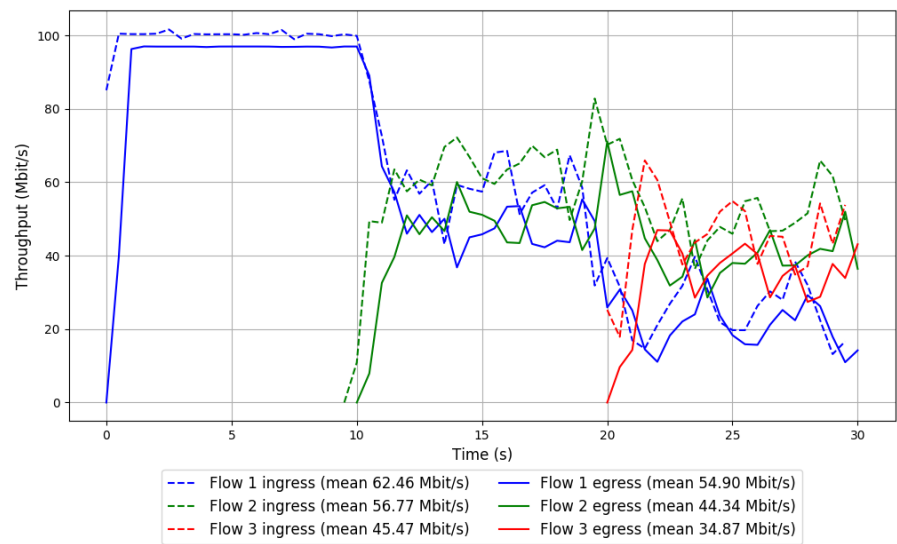


Run 2: Statistics of FillP

Start at: 2018-07-10 03:56:30  
End at: 2018-07-10 03:57:00  
Local clock offset: -2.331 ms  
Remote clock offset: 9.552 ms

# Below is generated by plot.py at 2018-07-10 06:59:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.96 Mbit/s  
95th percentile per-packet one-way delay: 29.914 ms  
Loss rate: 16.72%  
-- Flow 1:  
Average throughput: 54.90 Mbit/s  
95th percentile per-packet one-way delay: 29.908 ms  
Loss rate: 12.02%  
-- Flow 2:  
Average throughput: 44.34 Mbit/s  
95th percentile per-packet one-way delay: 29.942 ms  
Loss rate: 21.85%  
-- Flow 3:  
Average throughput: 34.87 Mbit/s  
95th percentile per-packet one-way delay: 29.864 ms  
Loss rate: 23.32%

Run 2: Report of FillP — Data Link



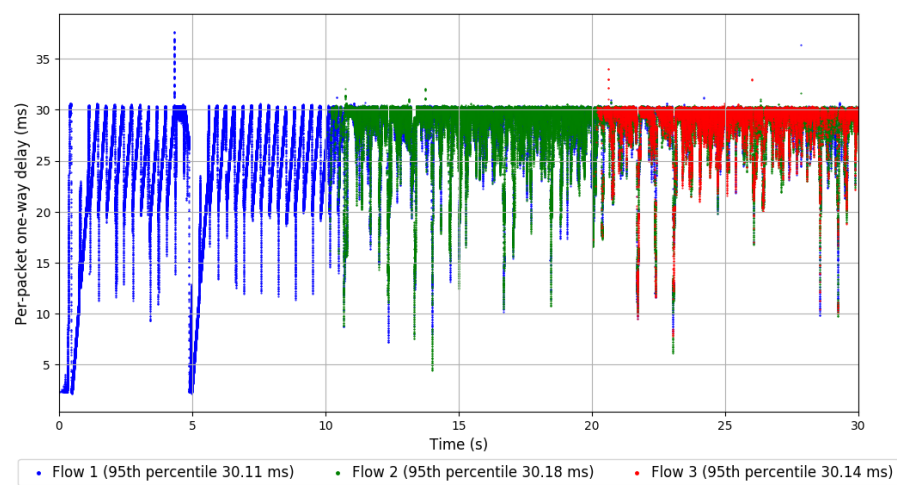
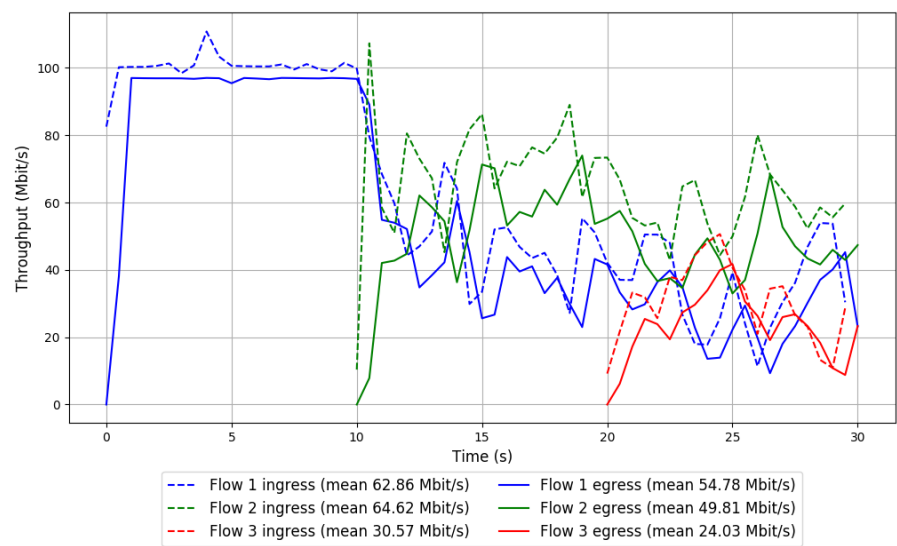
Run 3: Statistics of FillP

Start at: 2018-07-10 04:15:41  
End at: 2018-07-10 04:16:11  
Local clock offset: -2.153 ms  
Remote clock offset: 20.27 ms

# Below is generated by plot.py at 2018-07-10 06:59:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 30.147 ms  
Loss rate: 17.28%  
-- Flow 1:  
Average throughput: 54.78 Mbit/s  
95th percentile per-packet one-way delay: 30.113 ms  
Loss rate: 12.78%  
-- Flow 2:  
Average throughput: 49.81 Mbit/s  
95th percentile per-packet one-way delay: 30.182 ms  
Loss rate: 22.90%  
-- Flow 3:  
Average throughput: 24.03 Mbit/s  
95th percentile per-packet one-way delay: 30.138 ms  
Loss rate: 21.30%



Run 3: Report of FillP — Data Link

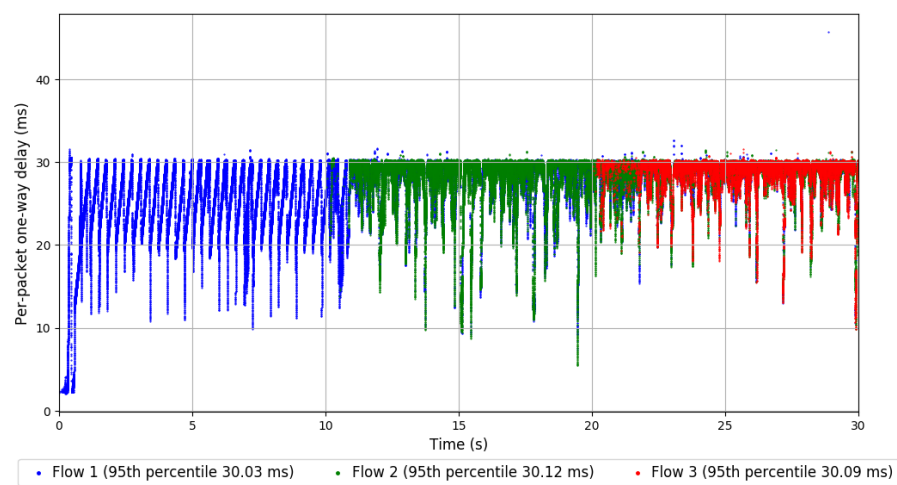
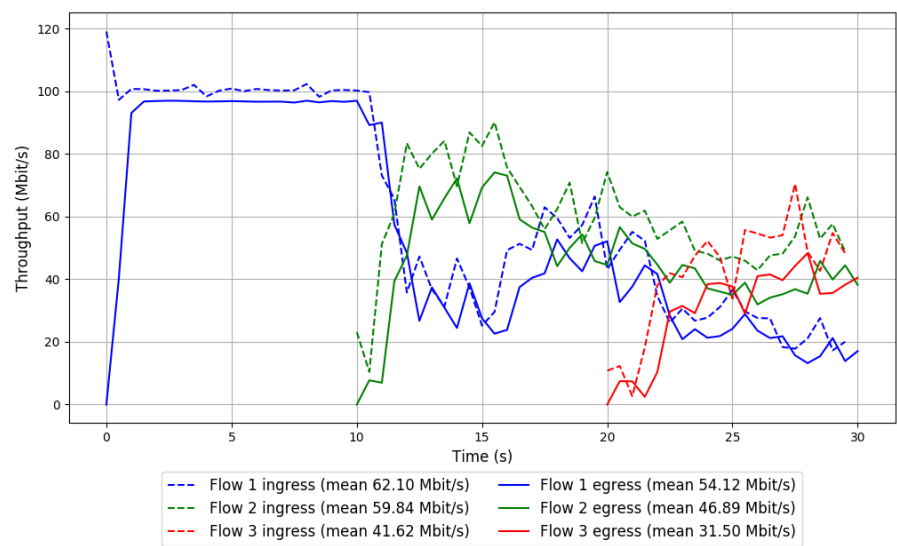


Run 4: Statistics of FillP

Start at: 2018-07-10 04:34:54  
End at: 2018-07-10 04:35:24  
Local clock offset: -2.064 ms  
Remote clock offset: 27.422 ms

# Below is generated by plot.py at 2018-07-10 06:59:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.75 Mbit/s  
95th percentile per-packet one-way delay: 30.077 ms  
Loss rate: 17.20%  
-- Flow 1:  
Average throughput: 54.12 Mbit/s  
95th percentile per-packet one-way delay: 30.029 ms  
Loss rate: 12.78%  
-- Flow 2:  
Average throughput: 46.89 Mbit/s  
95th percentile per-packet one-way delay: 30.120 ms  
Loss rate: 21.63%  
-- Flow 3:  
Average throughput: 31.50 Mbit/s  
95th percentile per-packet one-way delay: 30.094 ms  
Loss rate: 24.32%

Run 4: Report of FillP — Data Link

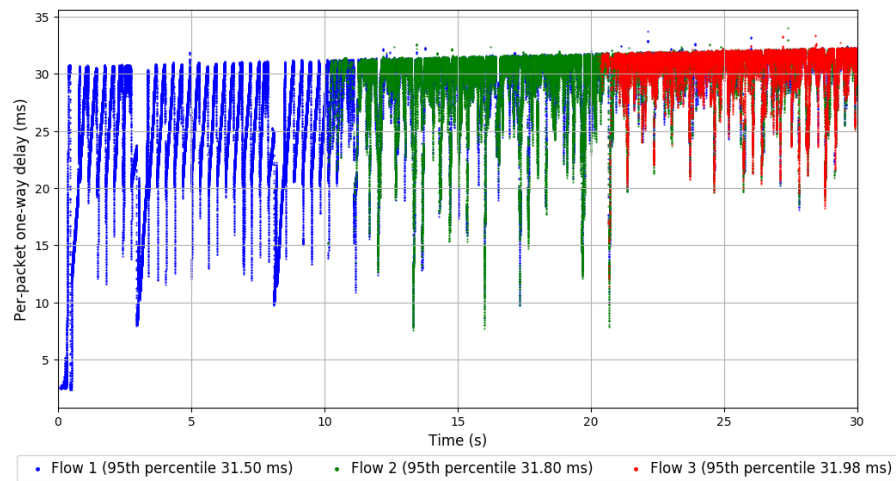
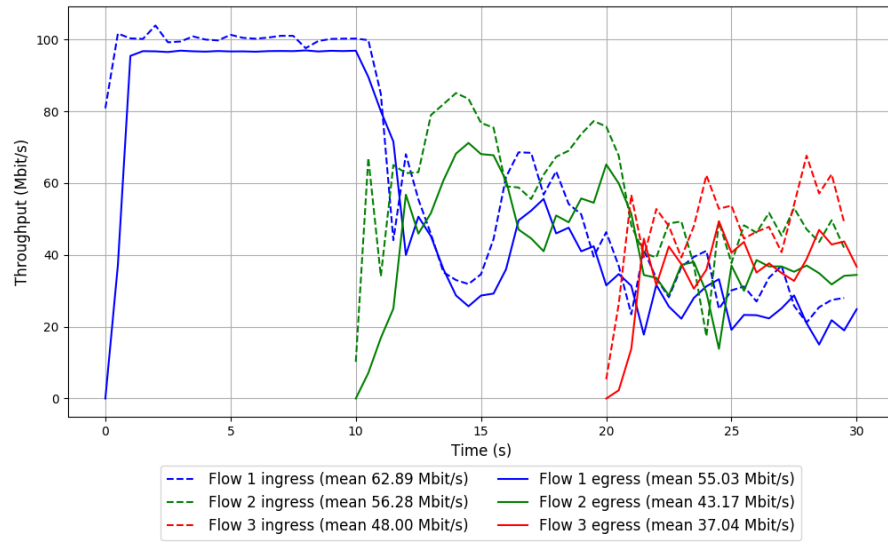


Run 5: Statistics of FillP

Start at: 2018-07-10 04:54:06  
End at: 2018-07-10 04:54:36  
Local clock offset: -2.005 ms  
Remote clock offset: 29.513 ms

# Below is generated by plot.py at 2018-07-10 06:59:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.77 Mbit/s  
95th percentile per-packet one-way delay: 31.763 ms  
Loss rate: 17.56%  
-- Flow 1:  
Average throughput: 55.03 Mbit/s  
95th percentile per-packet one-way delay: 31.500 ms  
Loss rate: 12.41%  
-- Flow 2:  
Average throughput: 43.17 Mbit/s  
95th percentile per-packet one-way delay: 31.802 ms  
Loss rate: 23.30%  
-- Flow 3:  
Average throughput: 37.04 Mbit/s  
95th percentile per-packet one-way delay: 31.976 ms  
Loss rate: 24.40%

## Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-10 05:13:18

End at: 2018-07-10 05:13:48

Local clock offset: -1.958 ms

Remote clock offset: 1.069 ms

# Below is generated by plot.py at 2018-07-10 06:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 30.533 ms

Loss rate: 18.23%

-- Flow 1:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 30.448 ms

Loss rate: 13.80%

-- Flow 2:

Average throughput: 47.44 Mbit/s

95th percentile per-packet one-way delay: 30.571 ms

Loss rate: 22.31%

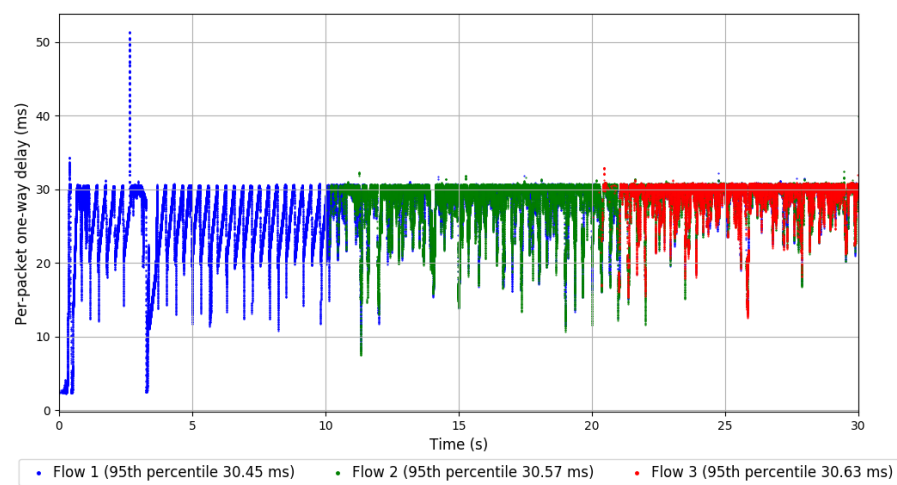
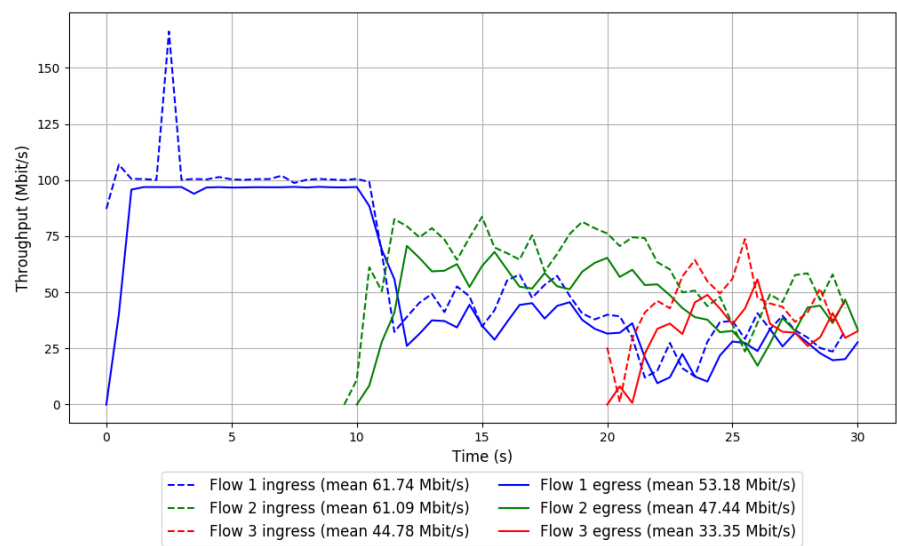
-- Flow 3:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 30.632 ms

Loss rate: 25.48%

Run 6: Report of FillP — Data Link



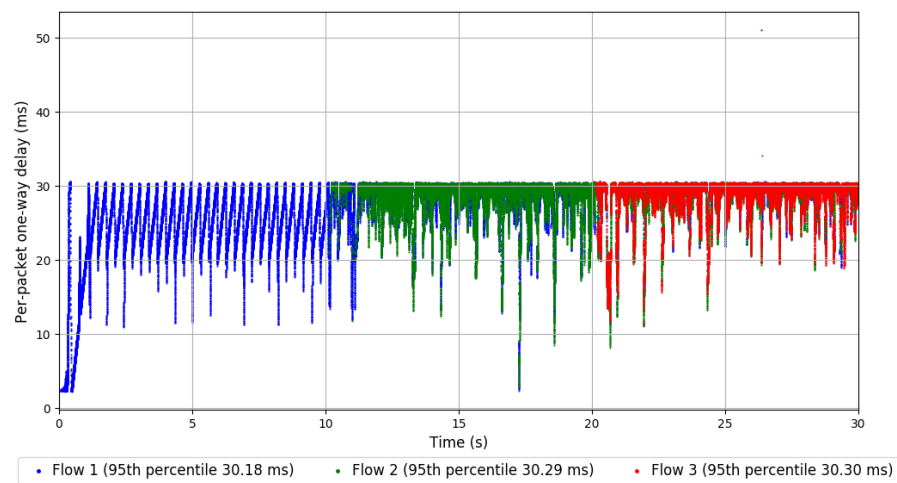
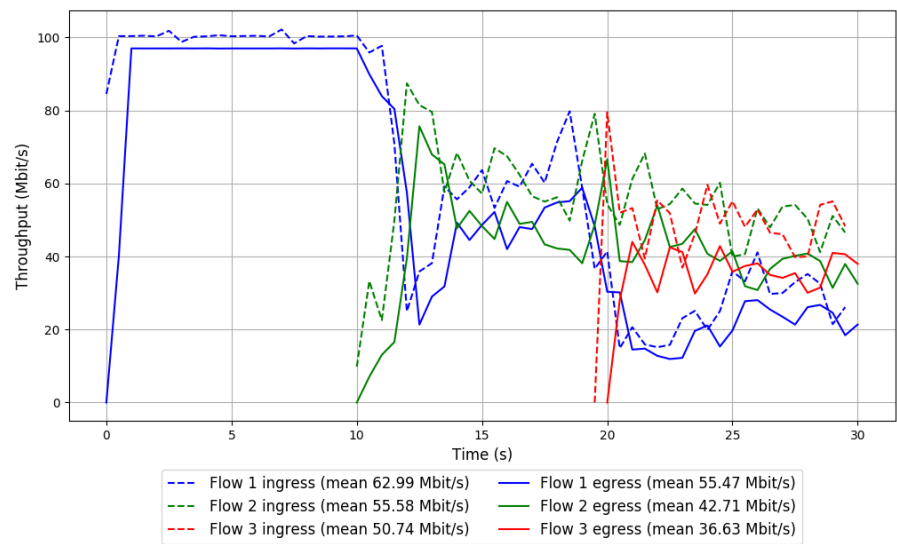
Run 7: Statistics of FillP

Start at: 2018-07-10 05:32:30  
End at: 2018-07-10 05:33:00  
Local clock offset: -1.773 ms  
Remote clock offset: -3.854 ms

# Below is generated by plot.py at 2018-07-10 06:59:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 30.252 ms  
Loss rate: 17.74%  
-- Flow 1:  
Average throughput: 55.47 Mbit/s  
95th percentile per-packet one-way delay: 30.185 ms  
Loss rate: 11.86%  
-- Flow 2:  
Average throughput: 42.71 Mbit/s  
95th percentile per-packet one-way delay: 30.288 ms  
Loss rate: 23.16%  
-- Flow 3:  
Average throughput: 36.63 Mbit/s  
95th percentile per-packet one-way delay: 30.299 ms  
Loss rate: 27.81%



Run 7: Report of FillP — Data Link

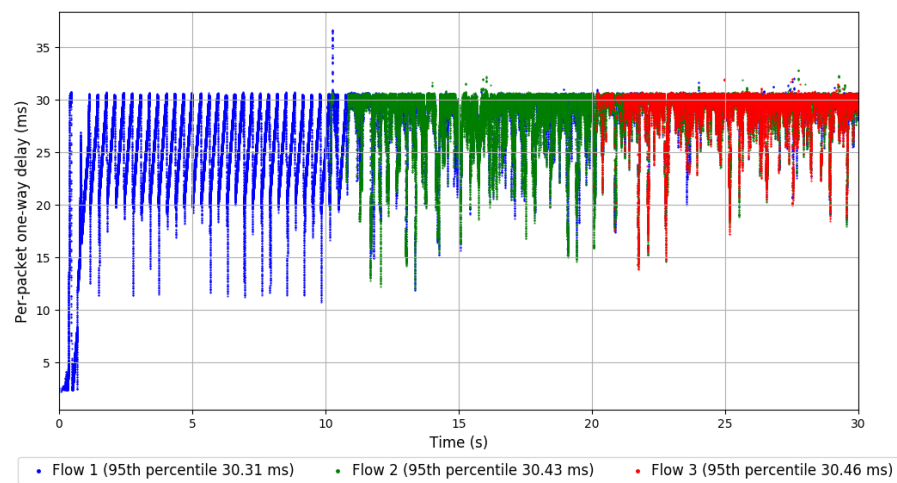
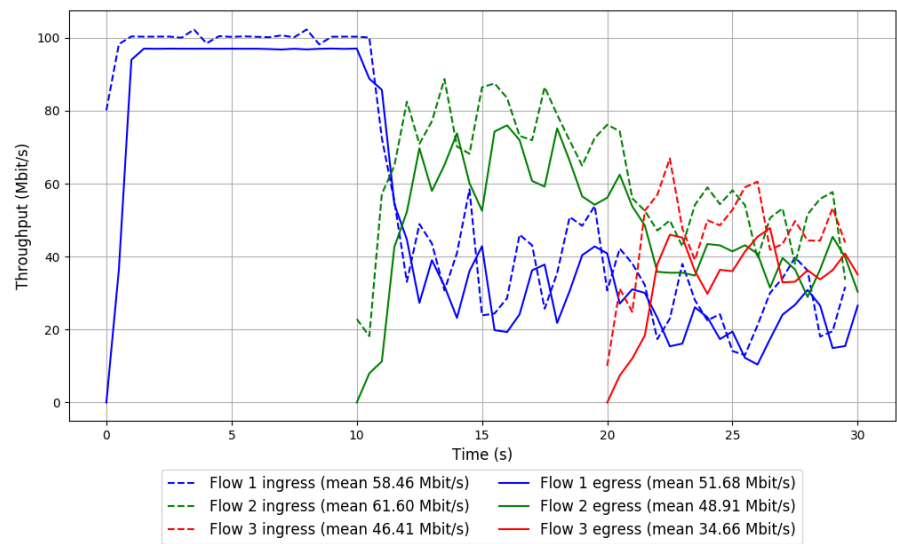


Run 8: Statistics of FillP

Start at: 2018-07-10 05:51:47  
End at: 2018-07-10 05:52:17  
Local clock offset: -1.74 ms  
Remote clock offset: -5.839 ms

# Below is generated by plot.py at 2018-07-10 07:00:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 30.391 ms  
Loss rate: 16.61%  
-- Flow 1:  
Average throughput: 51.68 Mbit/s  
95th percentile per-packet one-way delay: 30.314 ms  
Loss rate: 11.53%  
-- Flow 2:  
Average throughput: 48.91 Mbit/s  
95th percentile per-packet one-way delay: 30.433 ms  
Loss rate: 20.58%  
-- Flow 3:  
Average throughput: 34.66 Mbit/s  
95th percentile per-packet one-way delay: 30.462 ms  
Loss rate: 25.30%

Run 8: Report of FillP — Data Link

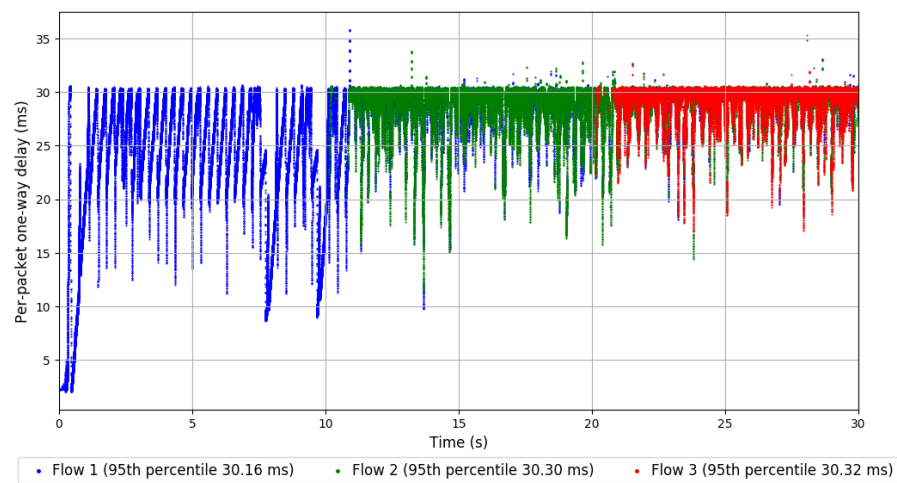
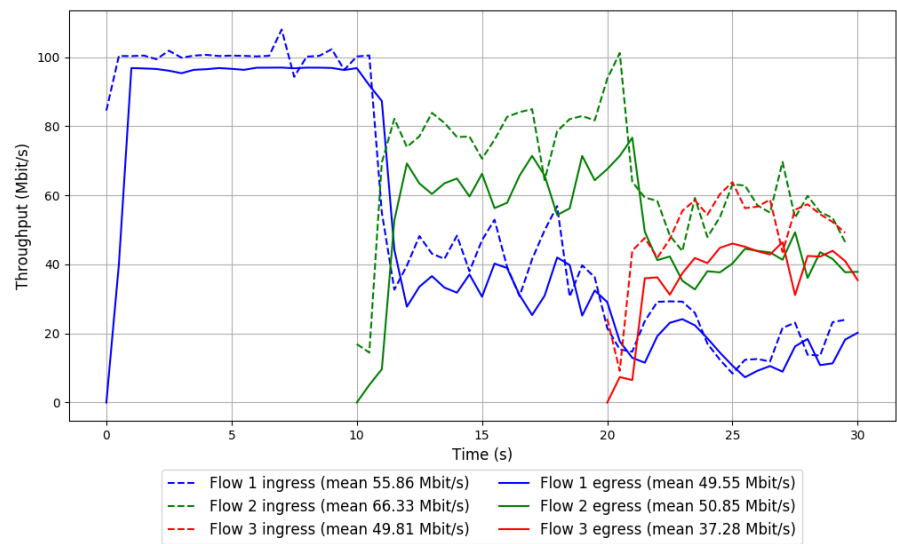


Run 9: Statistics of FillP

Start at: 2018-07-10 06:10:58  
End at: 2018-07-10 06:11:28  
Local clock offset: -1.446 ms  
Remote clock offset: -8.261 ms

# Below is generated by plot.py at 2018-07-10 07:01:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.79 Mbit/s  
95th percentile per-packet one-way delay: 30.254 ms  
Loss rate: 17.77%  
-- Flow 1:  
Average throughput: 49.55 Mbit/s  
95th percentile per-packet one-way delay: 30.159 ms  
Loss rate: 11.22%  
-- Flow 2:  
Average throughput: 50.85 Mbit/s  
95th percentile per-packet one-way delay: 30.296 ms  
Loss rate: 23.30%  
-- Flow 3:  
Average throughput: 37.28 Mbit/s  
95th percentile per-packet one-way delay: 30.318 ms  
Loss rate: 25.14%

Run 9: Report of FillP — Data Link

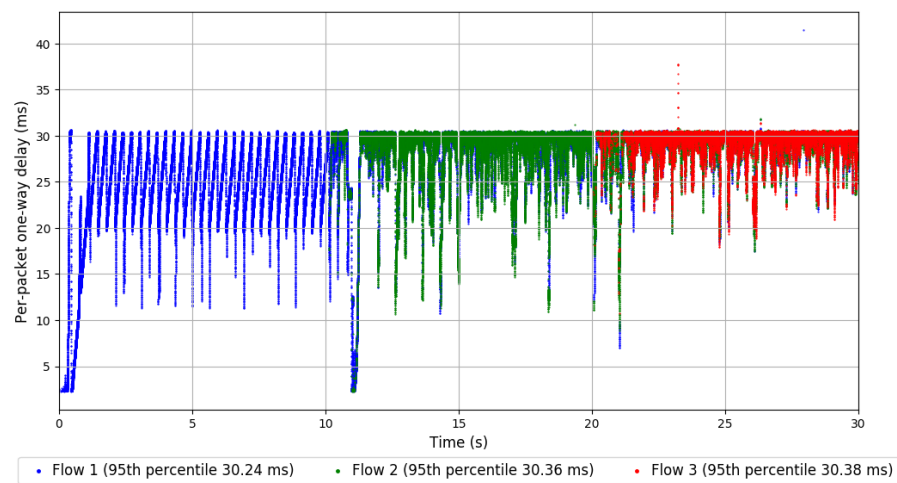
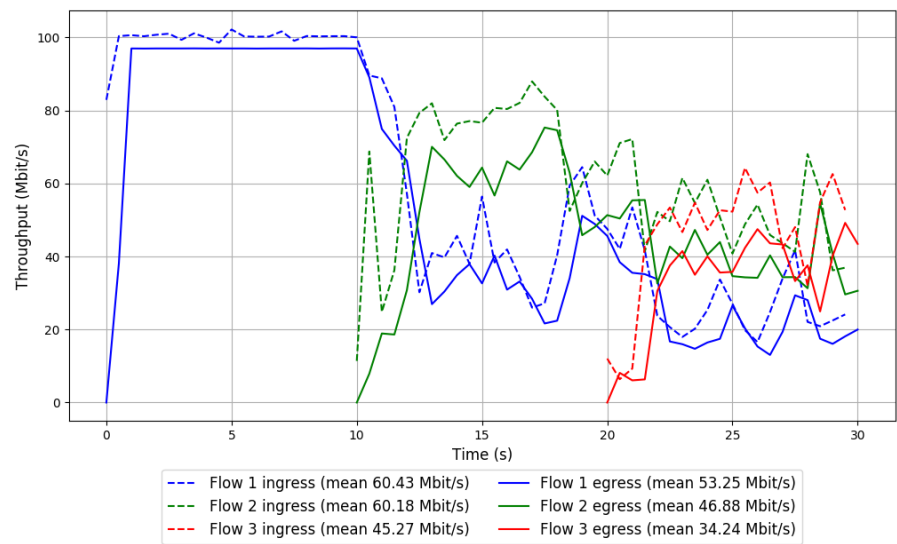


Run 10: Statistics of FillP

Start at: 2018-07-10 06:30:09  
End at: 2018-07-10 06:30:39  
Local clock offset: -1.228 ms  
Remote clock offset: -10.884 ms

# Below is generated by plot.py at 2018-07-10 07:01:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 30.317 ms  
Loss rate: 17.00%  
-- Flow 1:  
Average throughput: 53.25 Mbit/s  
95th percentile per-packet one-way delay: 30.241 ms  
Loss rate: 11.80%  
-- Flow 2:  
Average throughput: 46.88 Mbit/s  
95th percentile per-packet one-way delay: 30.355 ms  
Loss rate: 22.09%  
-- Flow 3:  
Average throughput: 34.24 Mbit/s  
95th percentile per-packet one-way delay: 30.383 ms  
Loss rate: 24.33%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 03:52:00

End at: 2018-07-10 03:52:30

Local clock offset: -2.255 ms

Remote clock offset: 5.024 ms

# Below is generated by plot.py at 2018-07-10 07:01:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 29.790 ms

Loss rate: 23.64%

-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 29.805 ms

Loss rate: 17.58%

-- Flow 2:

Average throughput: 40.78 Mbit/s

95th percentile per-packet one-way delay: 29.805 ms

Loss rate: 31.19%

-- Flow 3:

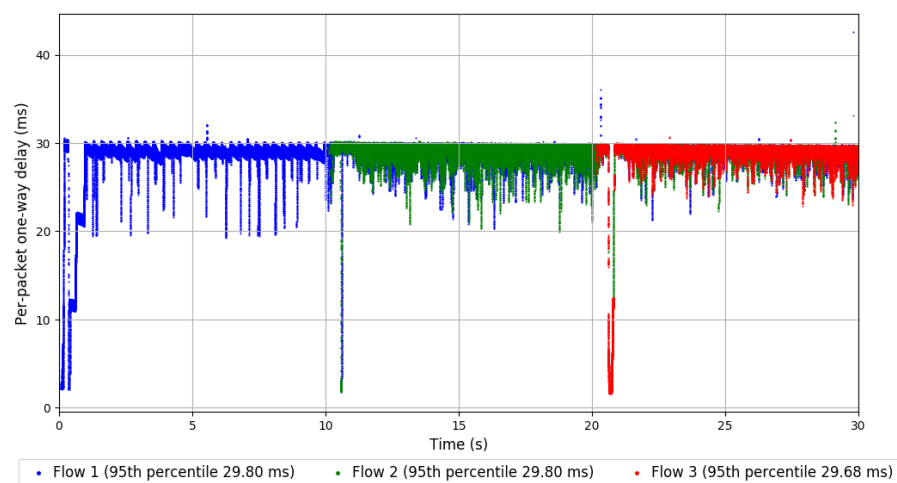
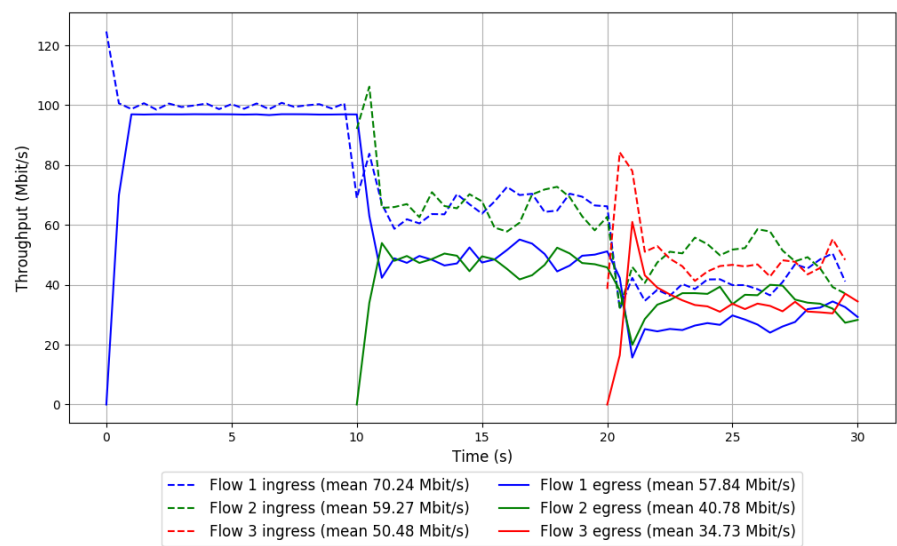
Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 29.682 ms

Loss rate: 31.20%



Run 1: Report of FillP-Sheep — Data Link

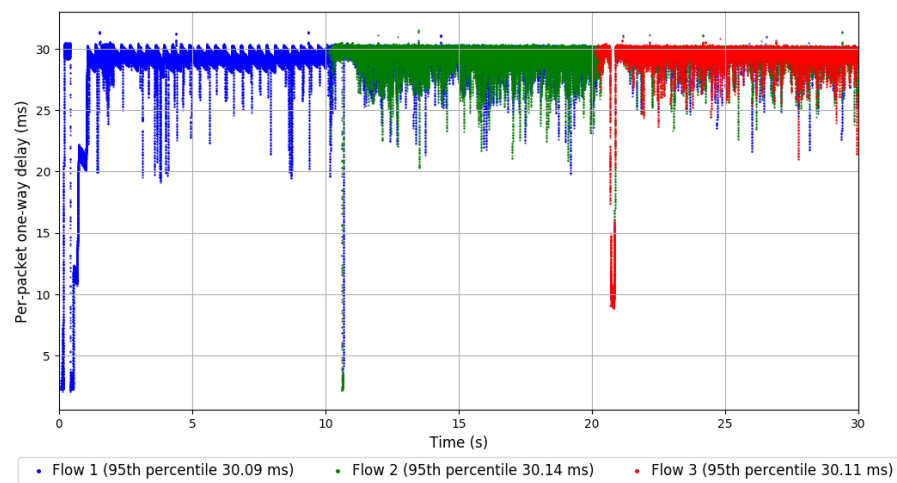
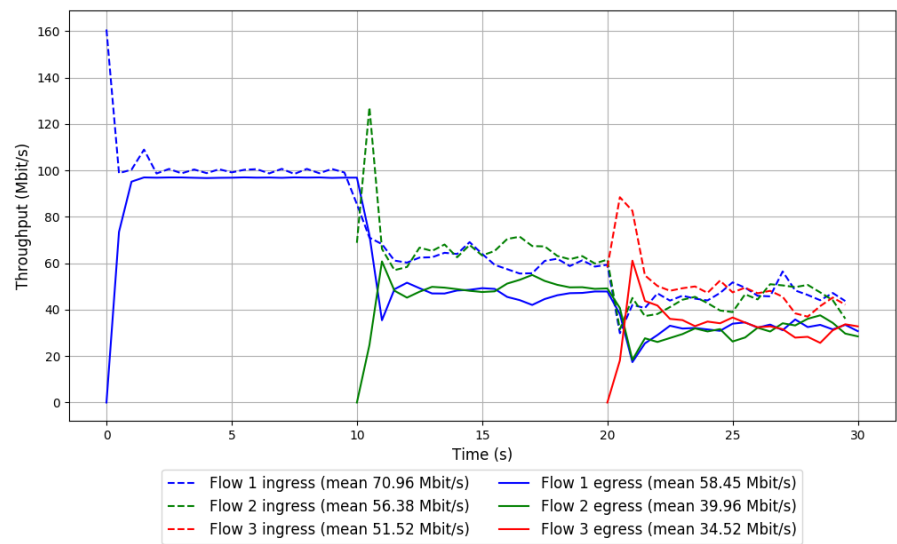


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 04:11:12  
End at: 2018-07-10 04:11:42  
Local clock offset: -2.208 ms  
Remote clock offset: 18.286 ms

# Below is generated by plot.py at 2018-07-10 07:01:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.47 Mbit/s  
95th percentile per-packet one-way delay: 30.109 ms  
Loss rate: 23.11%  
-- Flow 1:  
Average throughput: 58.45 Mbit/s  
95th percentile per-packet one-way delay: 30.089 ms  
Loss rate: 17.55%  
-- Flow 2:  
Average throughput: 39.96 Mbit/s  
95th percentile per-packet one-way delay: 30.139 ms  
Loss rate: 29.13%  
-- Flow 3:  
Average throughput: 34.52 Mbit/s  
95th percentile per-packet one-way delay: 30.114 ms  
Loss rate: 32.99%

Run 2: Report of FillP-Sheep — Data Link

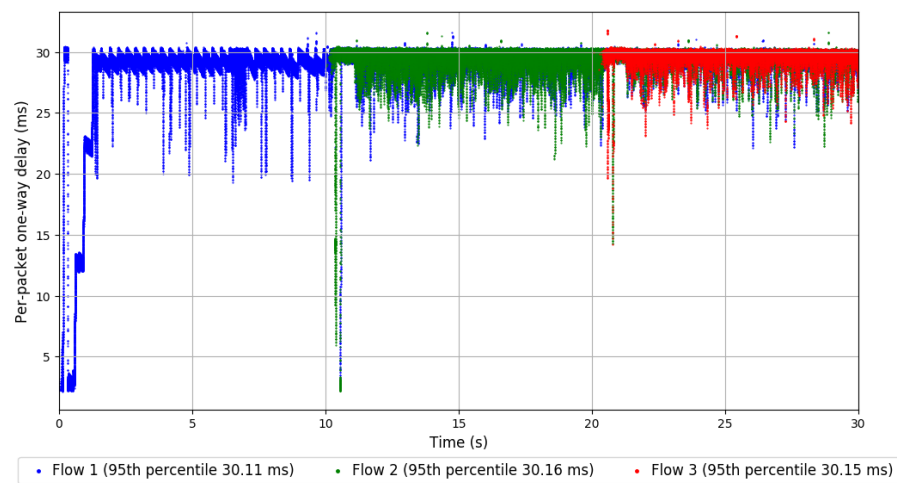
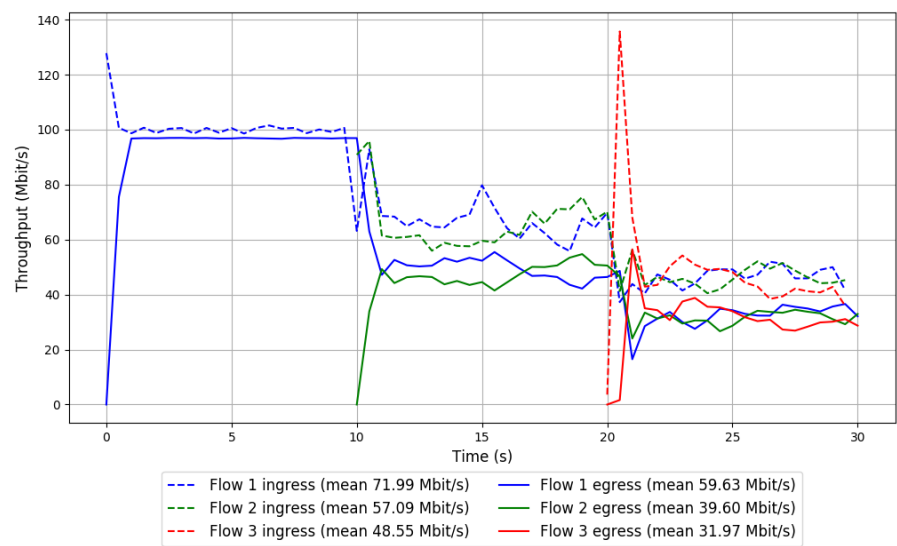


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 04:30:24  
End at: 2018-07-10 04:30:54  
Local clock offset: -2.1 ms  
Remote clock offset: 25.803 ms

# Below is generated by plot.py at 2018-07-10 07:01:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.53 Mbit/s  
95th percentile per-packet one-way delay: 30.133 ms  
Loss rate: 23.35%  
-- Flow 1:  
Average throughput: 59.63 Mbit/s  
95th percentile per-packet one-way delay: 30.106 ms  
Loss rate: 17.10%  
-- Flow 2:  
Average throughput: 39.60 Mbit/s  
95th percentile per-packet one-way delay: 30.164 ms  
Loss rate: 30.64%  
-- Flow 3:  
Average throughput: 31.97 Mbit/s  
95th percentile per-packet one-way delay: 30.149 ms  
Loss rate: 34.15%

Run 3: Report of FillP-Sheep — Data Link

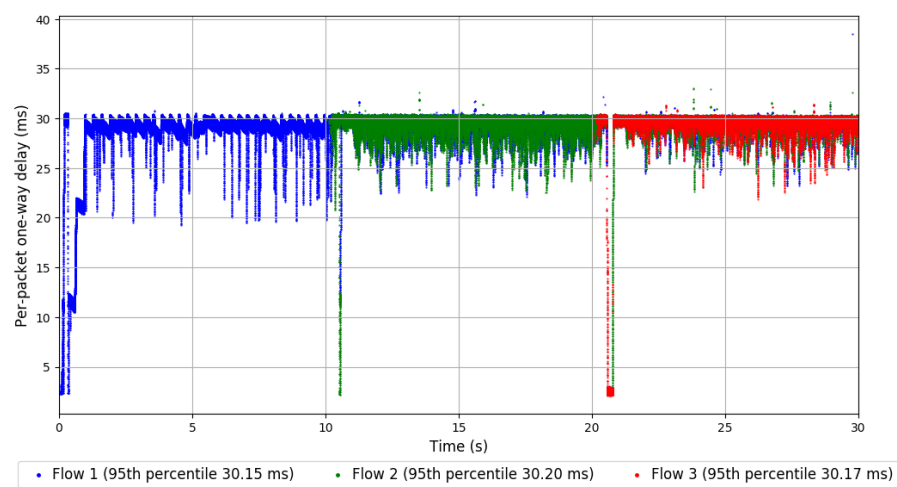
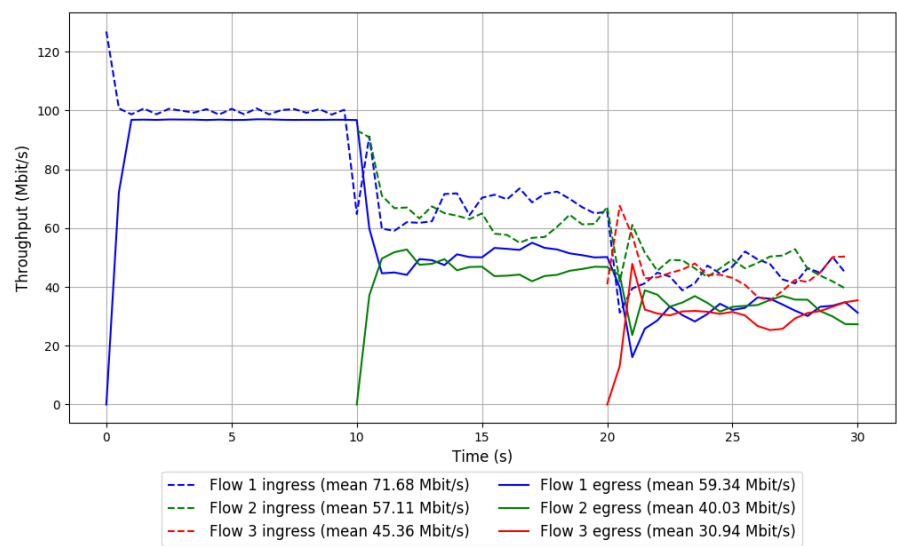


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 04:49:36  
End at: 2018-07-10 04:50:06  
Local clock offset: -2.006 ms  
Remote clock offset: 32.754 ms

# Below is generated by plot.py at 2018-07-10 07:01:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.25 Mbit/s  
95th percentile per-packet one-way delay: 30.170 ms  
Loss rate: 22.80%  
-- Flow 1:  
Average throughput: 59.34 Mbit/s  
95th percentile per-packet one-way delay: 30.146 ms  
Loss rate: 17.14%  
-- Flow 2:  
Average throughput: 40.03 Mbit/s  
95th percentile per-packet one-way delay: 30.200 ms  
Loss rate: 29.92%  
-- Flow 3:  
Average throughput: 30.94 Mbit/s  
95th percentile per-packet one-way delay: 30.174 ms  
Loss rate: 31.78%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 05:08:48

End at: 2018-07-10 05:09:18

Local clock offset: -1.995 ms

Remote clock offset: 4.076 ms

# Below is generated by plot.py at 2018-07-10 07:01:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 30.695 ms

Loss rate: 24.00%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 30.625 ms

Loss rate: 18.08%

-- Flow 2:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 30.722 ms

Loss rate: 29.19%

-- Flow 3:

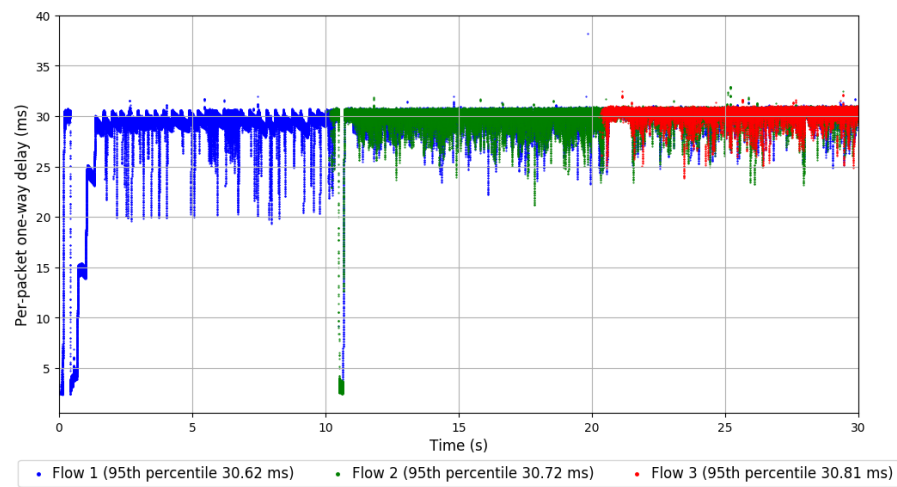
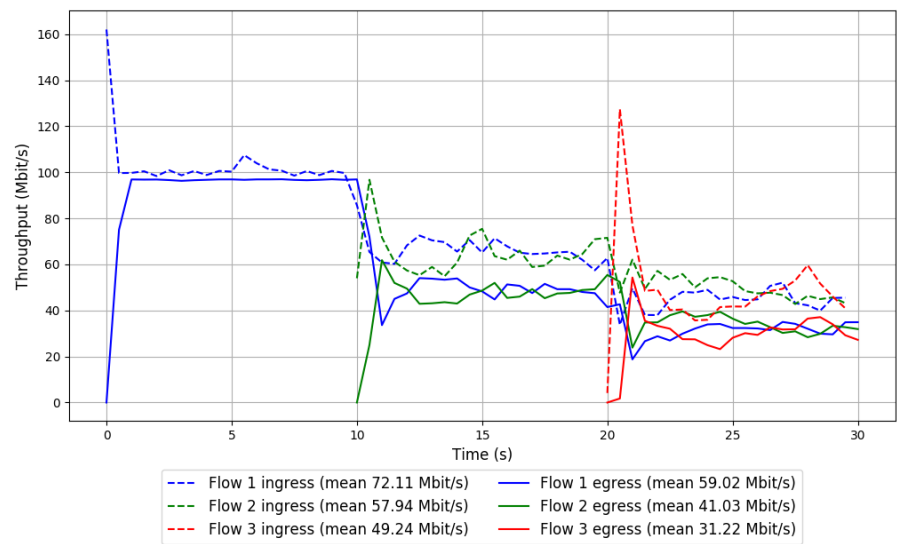
Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 30.807 ms

Loss rate: 37.88%



Run 5: Report of FillP-Sheep — Data Link

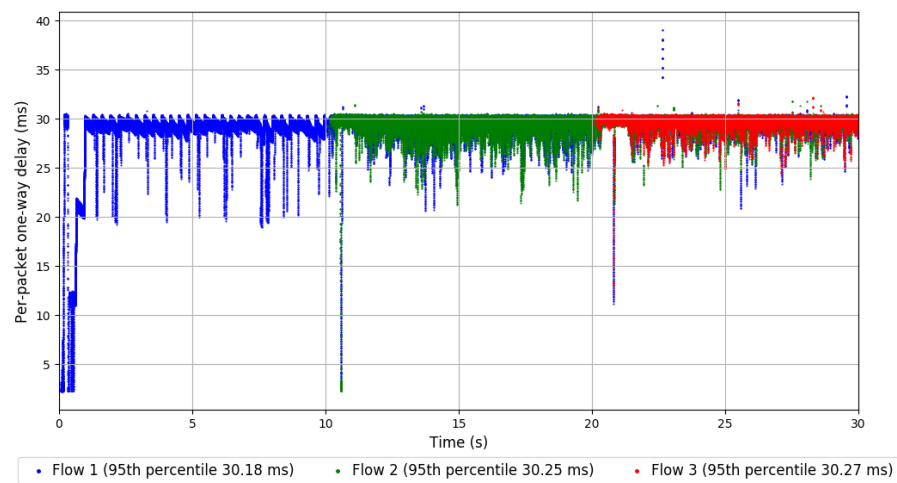
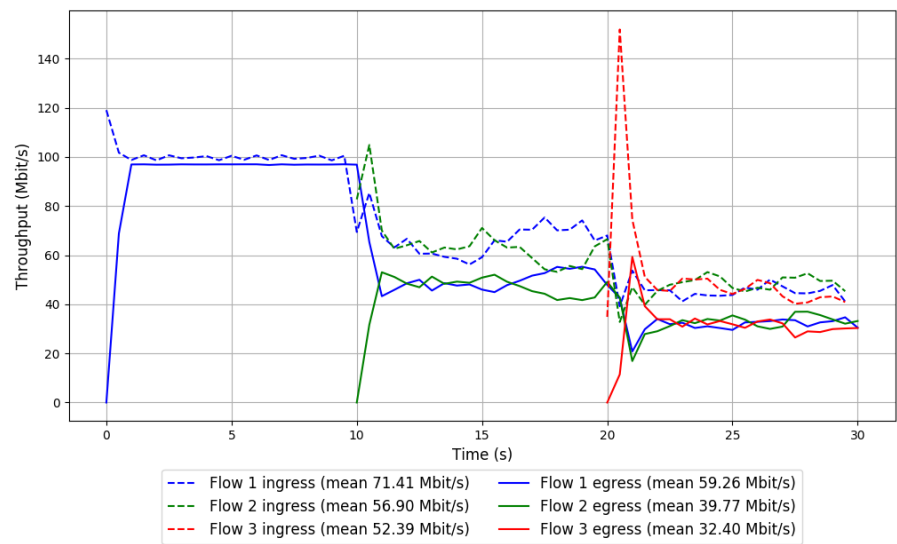


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 05:28:00  
End at: 2018-07-10 05:28:30  
Local clock offset: -1.82 ms  
Remote clock offset: -4.151 ms

# Below is generated by plot.py at 2018-07-10 07:01:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.45 Mbit/s  
95th percentile per-packet one-way delay: 30.223 ms  
Loss rate: 23.78%  
-- Flow 1:  
Average throughput: 59.26 Mbit/s  
95th percentile per-packet one-way delay: 30.185 ms  
Loss rate: 16.94%  
-- Flow 2:  
Average throughput: 39.77 Mbit/s  
95th percentile per-packet one-way delay: 30.251 ms  
Loss rate: 30.10%  
-- Flow 3:  
Average throughput: 32.40 Mbit/s  
95th percentile per-packet one-way delay: 30.265 ms  
Loss rate: 38.14%

Run 6: Report of FillP-Sheep — Data Link

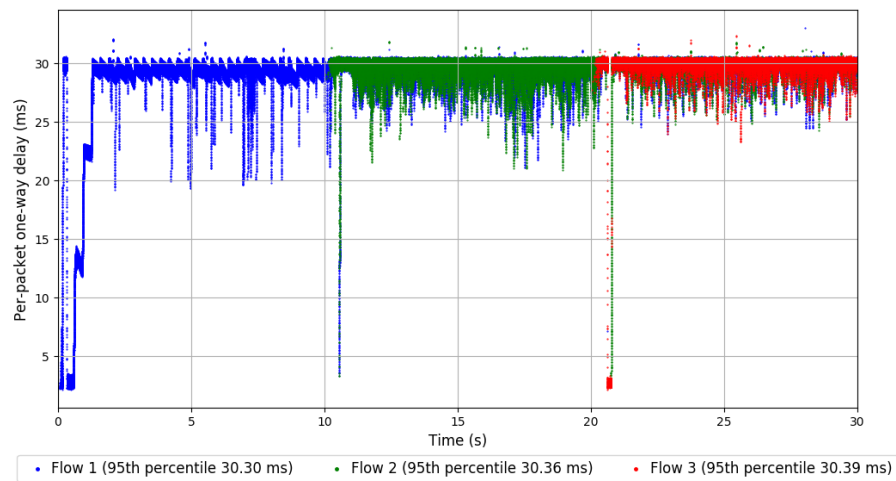
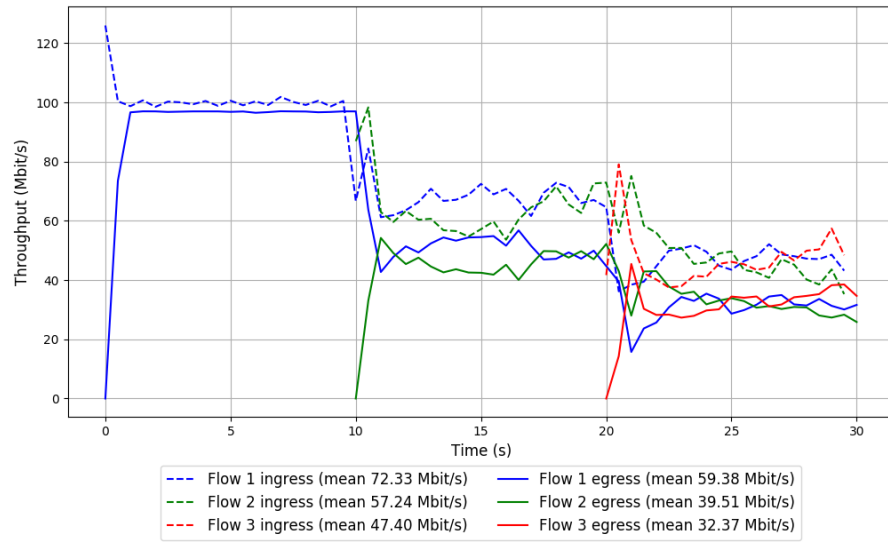


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 05:47:16  
End at: 2018-07-10 05:47:46  
Local clock offset: -1.687 ms  
Remote clock offset: -5.171 ms

# Below is generated by plot.py at 2018-07-10 07:02:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 30.336 ms  
Loss rate: 23.53%  
-- Flow 1:  
Average throughput: 59.38 Mbit/s  
95th percentile per-packet one-way delay: 30.298 ms  
Loss rate: 17.83%  
-- Flow 2:  
Average throughput: 39.51 Mbit/s  
95th percentile per-packet one-way delay: 30.364 ms  
Loss rate: 30.98%  
-- Flow 3:  
Average throughput: 32.37 Mbit/s  
95th percentile per-packet one-way delay: 30.386 ms  
Loss rate: 31.70%

# Run 7: Report of FillP-Sheep — Data Link

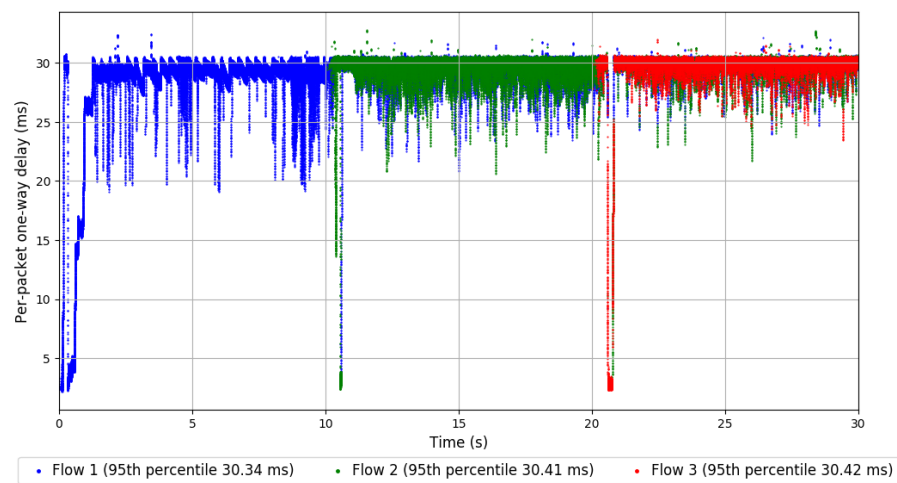
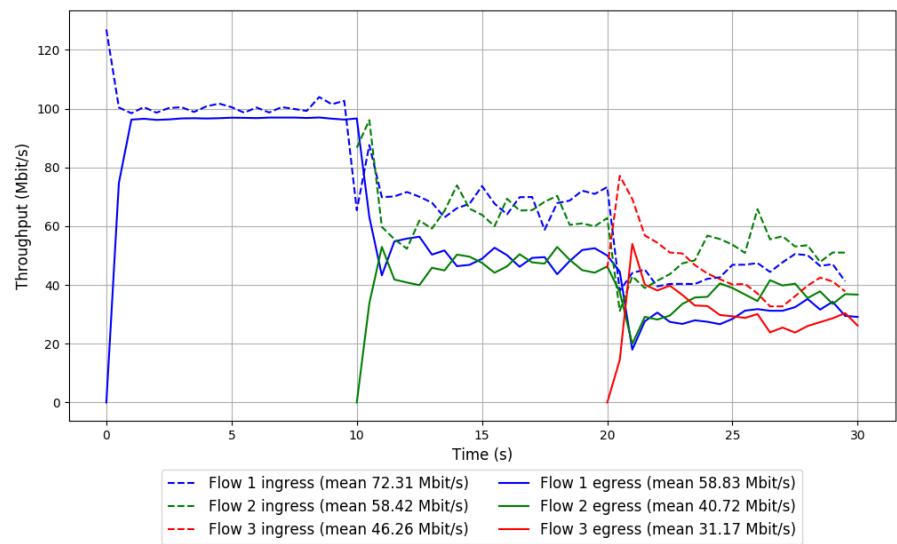


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 06:06:29  
End at: 2018-07-10 06:06:59  
Local clock offset: -1.512 ms  
Remote clock offset: -7.688 ms

# Below is generated by plot.py at 2018-07-10 07:02:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.24 Mbit/s  
95th percentile per-packet one-way delay: 30.375 ms  
Loss rate: 23.87%  
-- Flow 1:  
Average throughput: 58.83 Mbit/s  
95th percentile per-packet one-way delay: 30.336 ms  
Loss rate: 18.57%  
-- Flow 2:  
Average throughput: 40.72 Mbit/s  
95th percentile per-packet one-way delay: 30.409 ms  
Loss rate: 30.28%  
-- Flow 3:  
Average throughput: 31.17 Mbit/s  
95th percentile per-packet one-way delay: 30.417 ms  
Loss rate: 32.61%

Run 8: Report of FillP-Sheep — Data Link



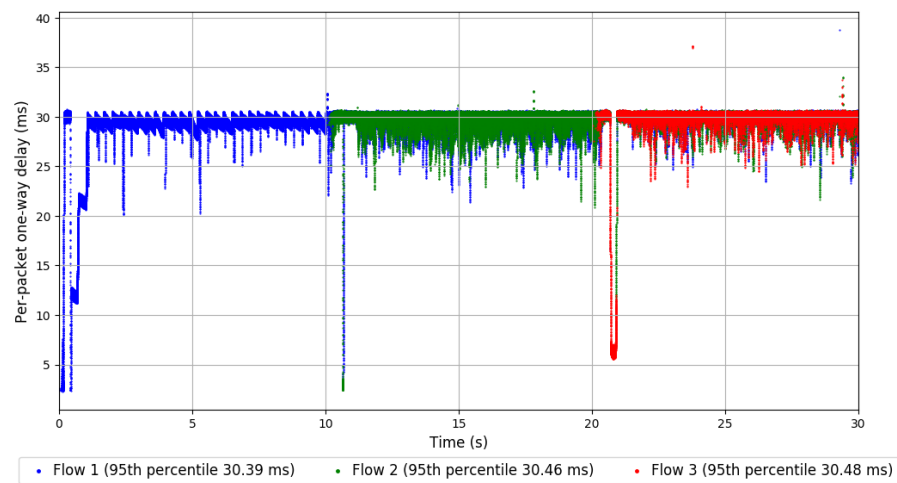
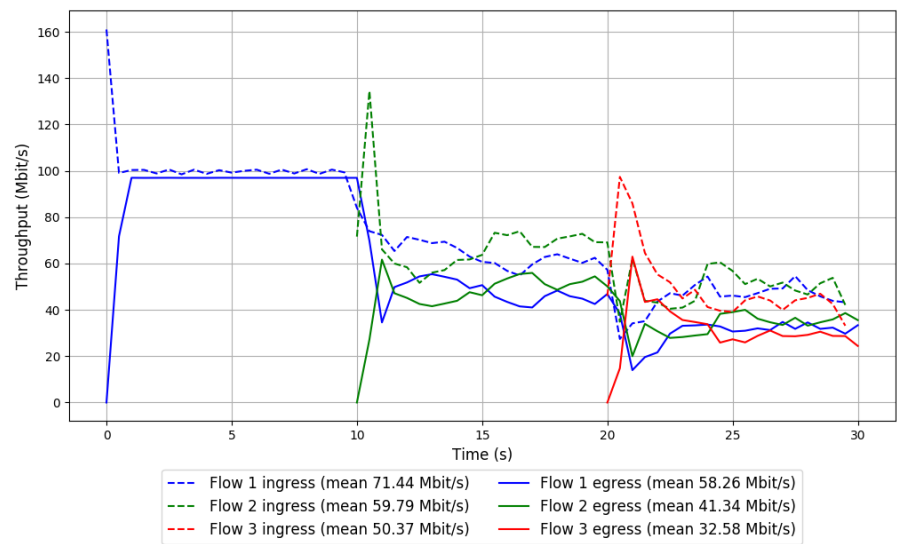
Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 06:25:40  
End at: 2018-07-10 06:26:10  
Local clock offset: -1.276 ms  
Remote clock offset: -10.141 ms

# Below is generated by plot.py at 2018-07-10 07:03:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.55 Mbit/s  
95th percentile per-packet one-way delay: 30.432 ms  
Loss rate: 24.47%  
-- Flow 1:  
Average throughput: 58.26 Mbit/s  
95th percentile per-packet one-way delay: 30.390 ms  
Loss rate: 18.38%  
-- Flow 2:  
Average throughput: 41.34 Mbit/s  
95th percentile per-packet one-way delay: 30.459 ms  
Loss rate: 30.86%  
-- Flow 3:  
Average throughput: 32.58 Mbit/s  
95th percentile per-packet one-way delay: 30.483 ms  
Loss rate: 35.31%



Run 9: Report of FillP-Sheep — Data Link

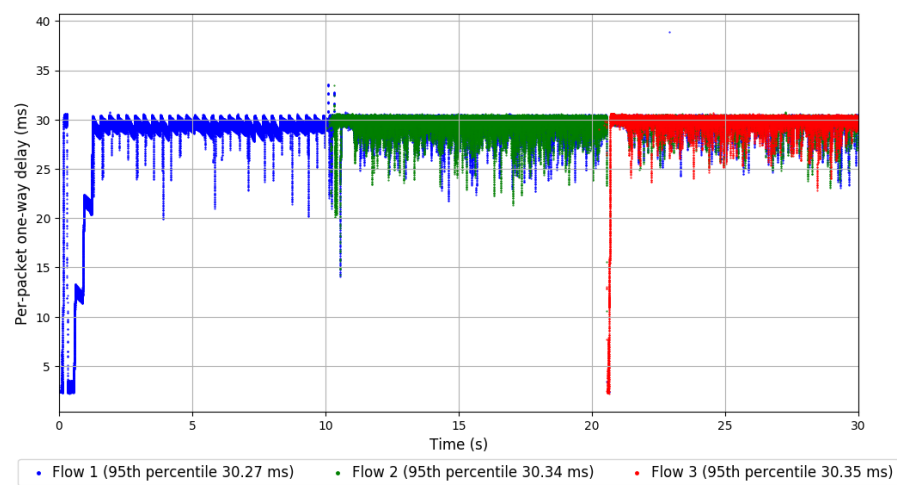
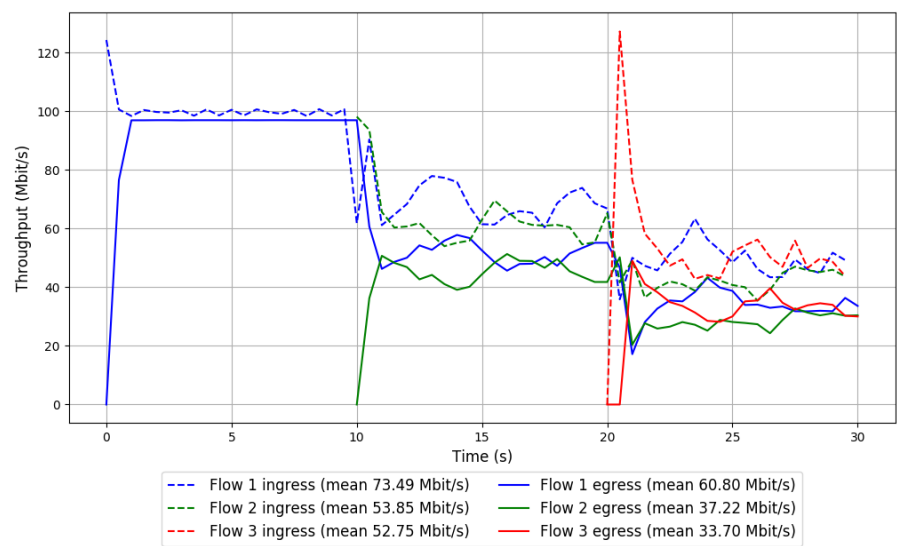


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 06:44:51  
End at: 2018-07-10 06:45:21  
Local clock offset: -1.104 ms  
Remote clock offset: -8.884 ms

# Below is generated by plot.py at 2018-07-10 07:03:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.47 Mbit/s  
95th percentile per-packet one-way delay: 30.312 ms  
Loss rate: 23.84%  
-- Flow 1:  
Average throughput: 60.80 Mbit/s  
95th percentile per-packet one-way delay: 30.274 ms  
Loss rate: 17.19%  
-- Flow 2:  
Average throughput: 37.22 Mbit/s  
95th percentile per-packet one-way delay: 30.336 ms  
Loss rate: 30.87%  
-- Flow 3:  
Average throughput: 33.70 Mbit/s  
95th percentile per-packet one-way delay: 30.352 ms  
Loss rate: 37.40%

Run 10: Report of FillP-Sheep — Data Link

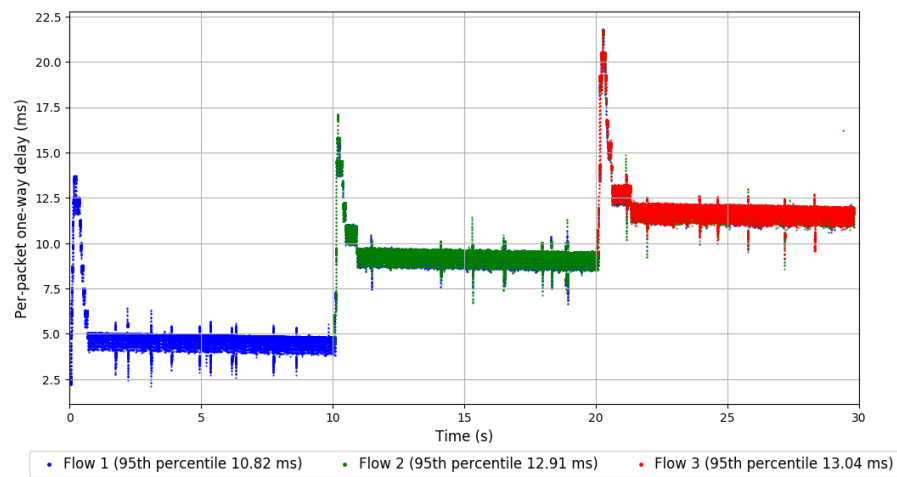
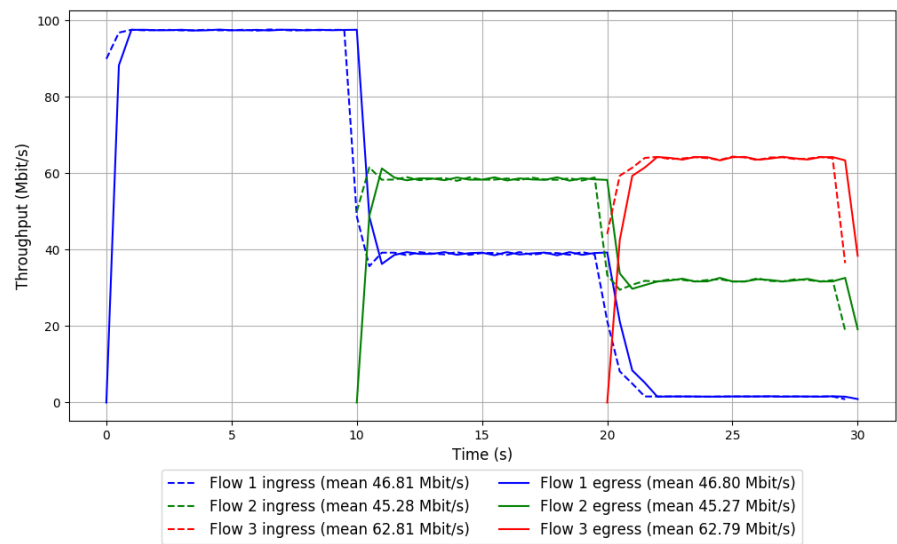


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 03:48:35
End at: 2018-07-10 03:49:05
Local clock offset: -2.241 ms
Remote clock offset: 0.454 ms

# Below is generated by plot.py at 2018-07-10 07:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 12.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 10.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 12.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 13.040 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

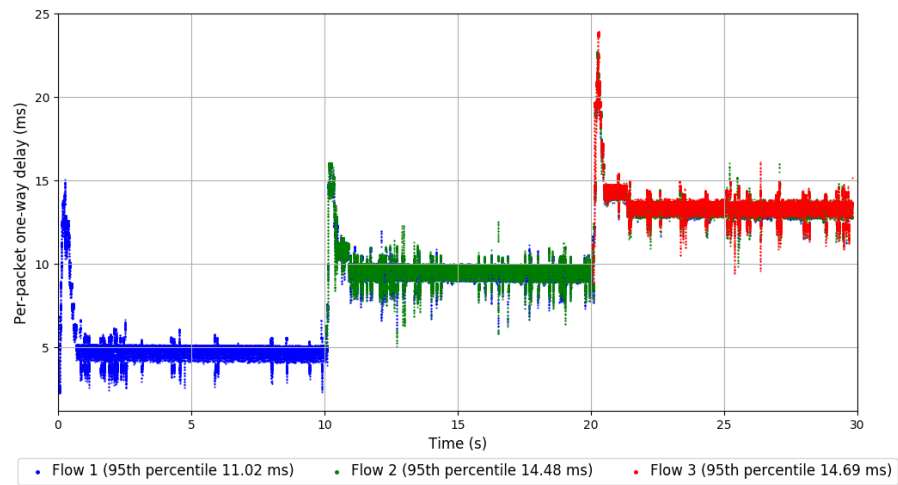
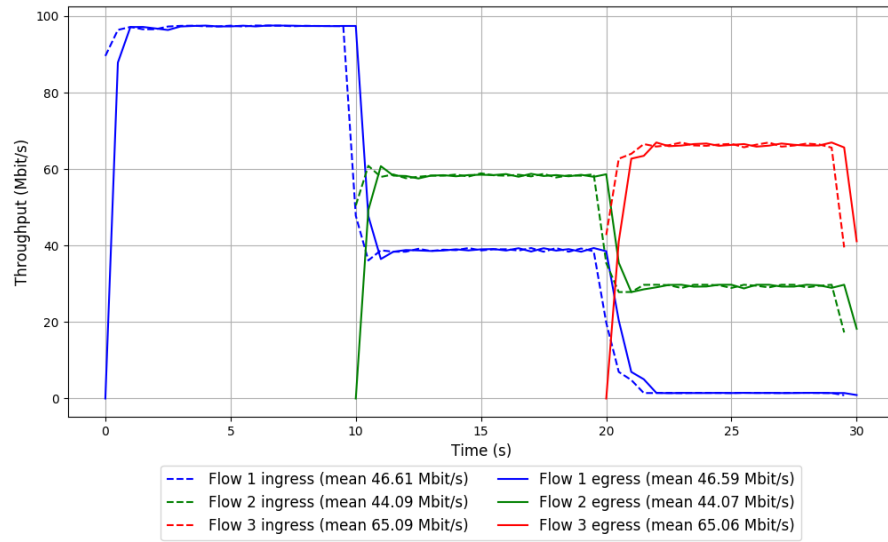


Run 2: Statistics of Indigo

Start at: 2018-07-10 04:07:47  
End at: 2018-07-10 04:08:17  
Local clock offset: -2.276 ms  
Remote clock offset: 16.704 ms

# Below is generated by plot.py at 2018-07-10 07:03:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.08 Mbit/s  
95th percentile per-packet one-way delay: 14.213 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 11.017 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.07 Mbit/s  
95th percentile per-packet one-way delay: 14.483 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 65.06 Mbit/s  
95th percentile per-packet one-way delay: 14.689 ms  
Loss rate: 0.00%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 04:26:59

End at: 2018-07-10 04:27:29

Local clock offset: -2.11 ms

Remote clock offset: 24.54 ms

# Below is generated by plot.py at 2018-07-10 07:03:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 12.913 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 10.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 12.895 ms

Loss rate: 0.00%

-- Flow 3:

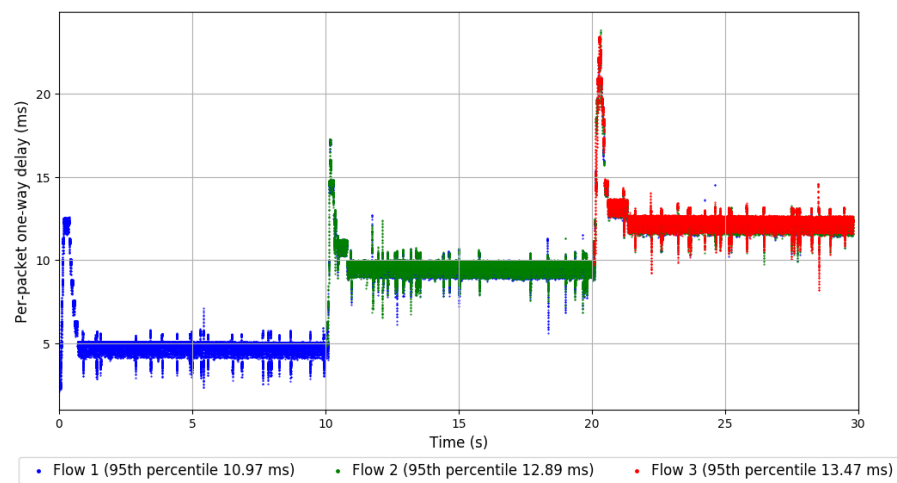
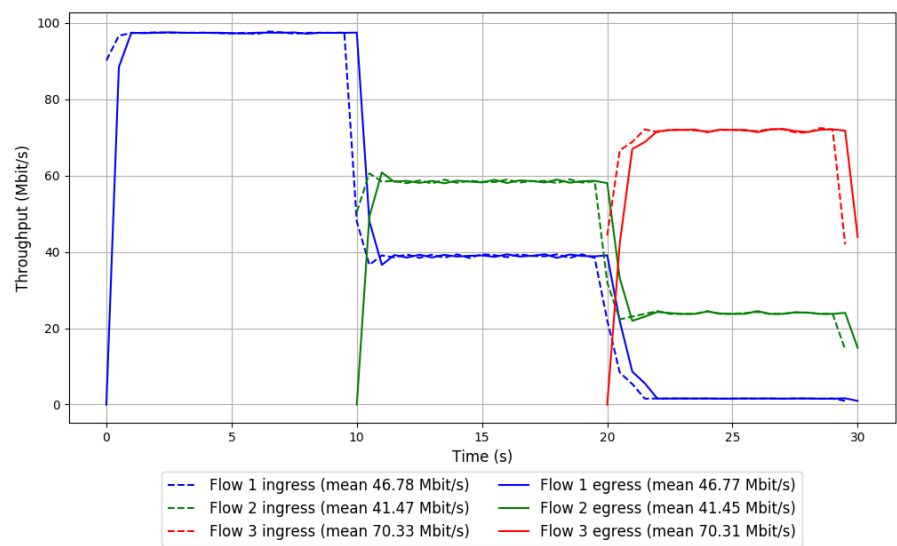
Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 0.00%



Run 3: Report of Indigo — Data Link

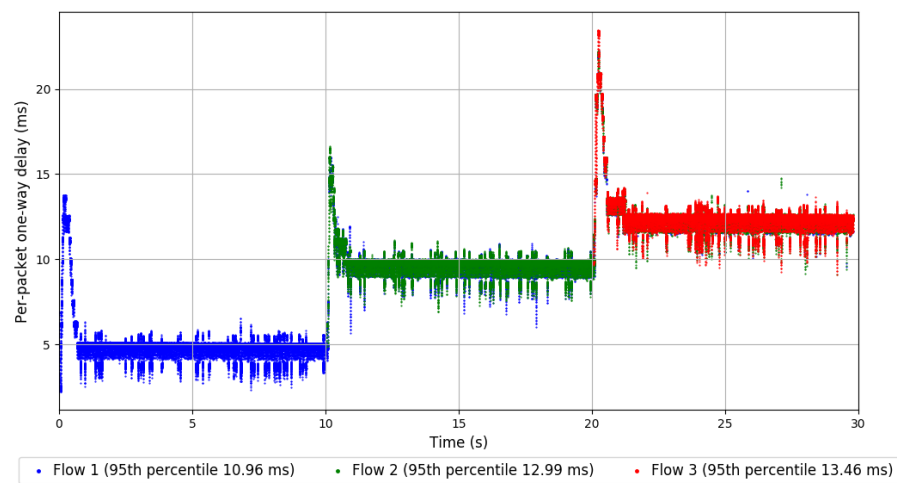
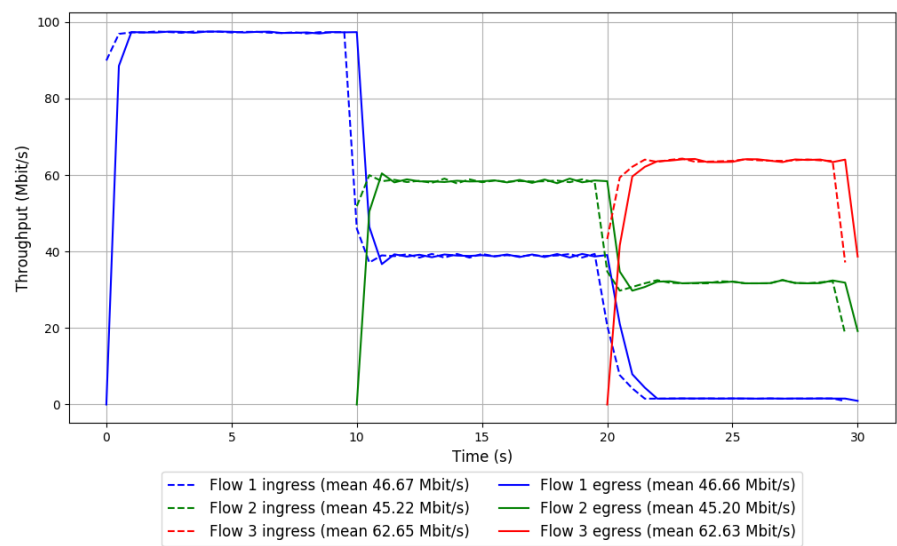


Run 4: Statistics of Indigo

Start at: 2018-07-10 04:46:11  
End at: 2018-07-10 04:46:41  
Local clock offset: -2.012 ms  
Remote clock offset: 31.478 ms

# Below is generated by plot.py at 2018-07-10 07:03:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 12.909 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.66 Mbit/s  
95th percentile per-packet one-way delay: 10.961 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.20 Mbit/s  
95th percentile per-packet one-way delay: 12.990 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.63 Mbit/s  
95th percentile per-packet one-way delay: 13.458 ms  
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 05:05:23

End at: 2018-07-10 05:05:53

Local clock offset: -2.018 ms

Remote clock offset: 7.14 ms

# Below is generated by plot.py at 2018-07-10 07:03:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 14.942 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.67 Mbit/s

95th percentile per-packet one-way delay: 11.295 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.10 Mbit/s

95th percentile per-packet one-way delay: 14.989 ms

Loss rate: 0.00%

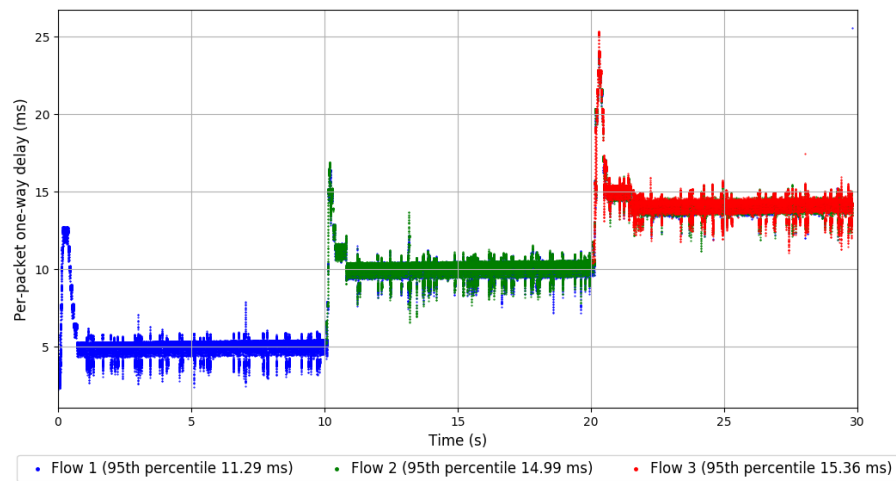
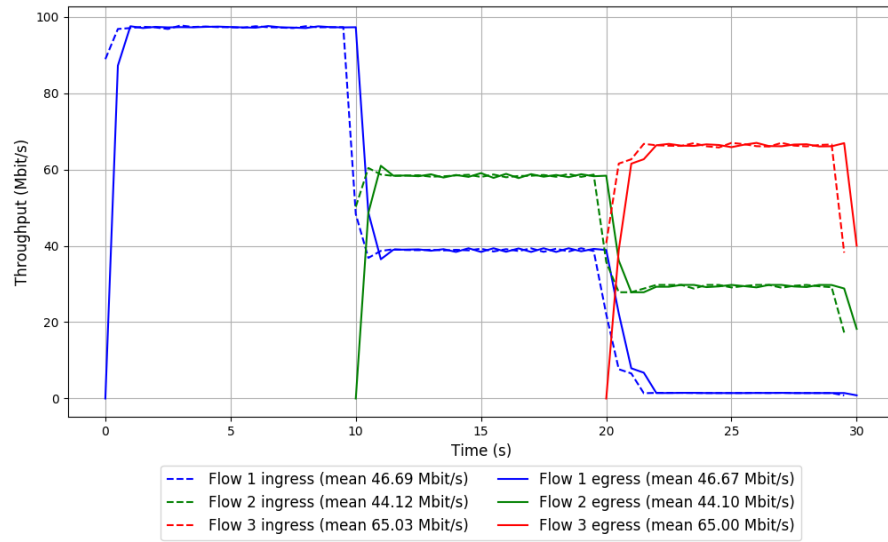
-- Flow 3:

Average throughput: 65.00 Mbit/s

95th percentile per-packet one-way delay: 15.356 ms

Loss rate: 0.00%

## Run 5: Report of Indigo — Data Link

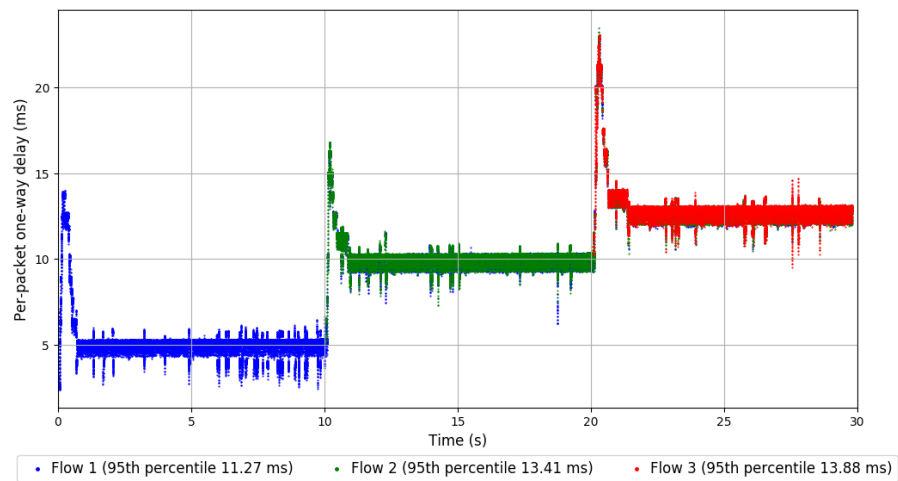
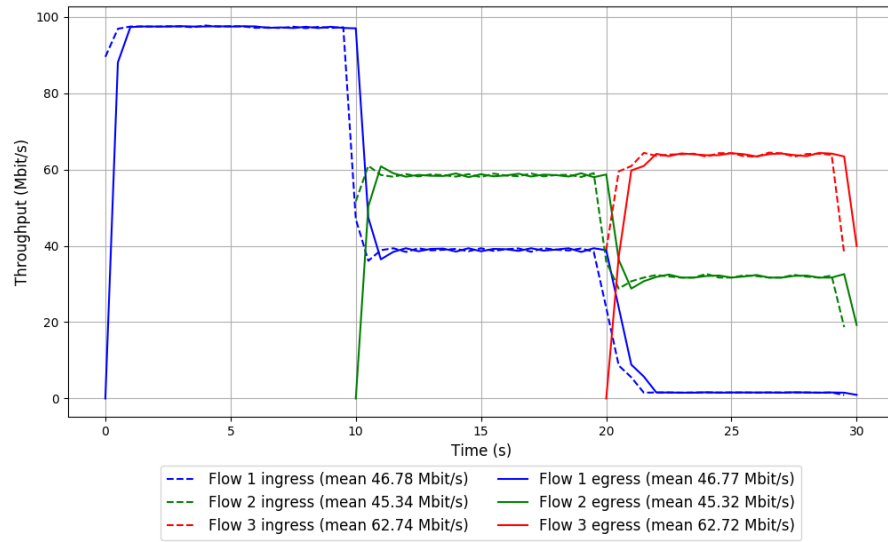


Run 6: Statistics of Indigo

Start at: 2018-07-10 05:24:35  
End at: 2018-07-10 05:25:05  
Local clock offset: -1.862 ms  
Remote clock offset: -3.462 ms

# Below is generated by plot.py at 2018-07-10 07:03:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 13.304 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 11.271 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.32 Mbit/s  
95th percentile per-packet one-way delay: 13.408 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.72 Mbit/s  
95th percentile per-packet one-way delay: 13.876 ms  
Loss rate: 0.00%

## Run 6: Report of Indigo — Data Link



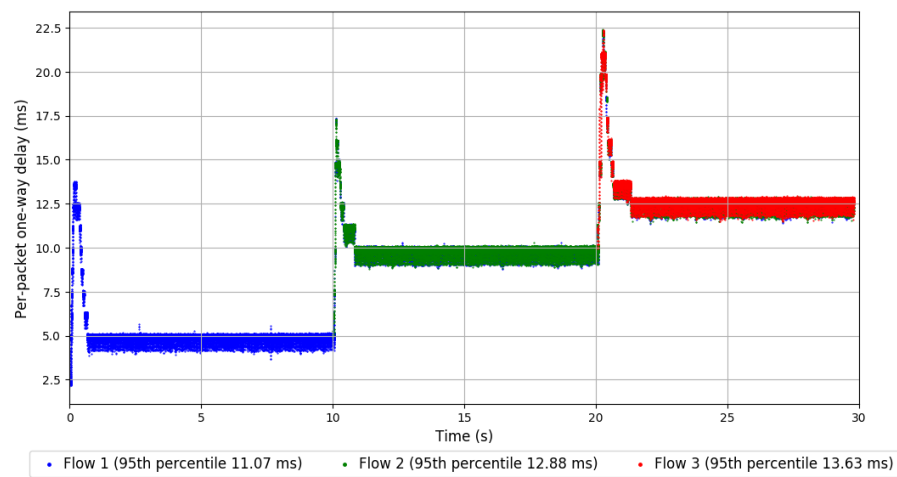
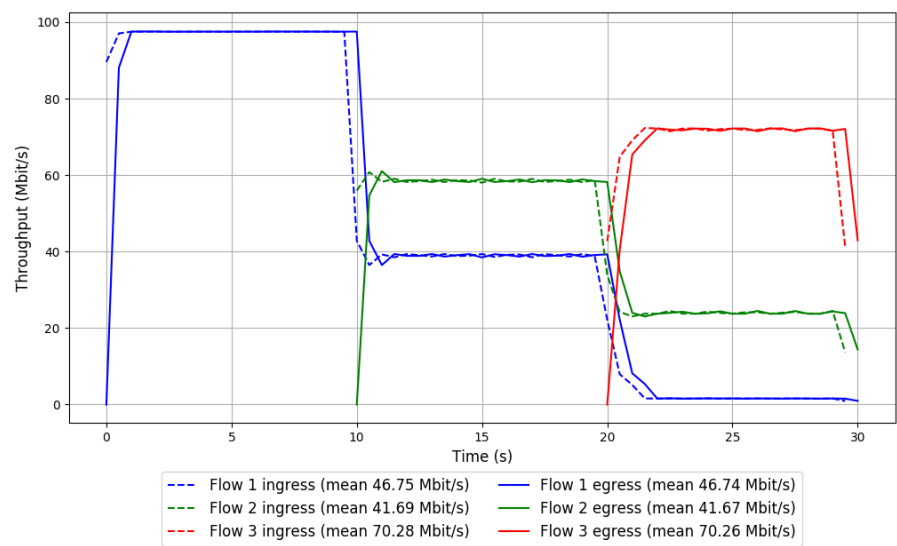
Run 7: Statistics of Indigo

Start at: 2018-07-10 05:43:52  
End at: 2018-07-10 05:44:22  
Local clock offset: -1.687 ms  
Remote clock offset: -4.766 ms

# Below is generated by plot.py at 2018-07-10 07:04:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.836 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.74 Mbit/s  
95th percentile per-packet one-way delay: 11.071 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.67 Mbit/s  
95th percentile per-packet one-way delay: 12.875 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.26 Mbit/s  
95th percentile per-packet one-way delay: 13.633 ms  
Loss rate: 0.00%



Run 7: Report of Indigo — Data Link

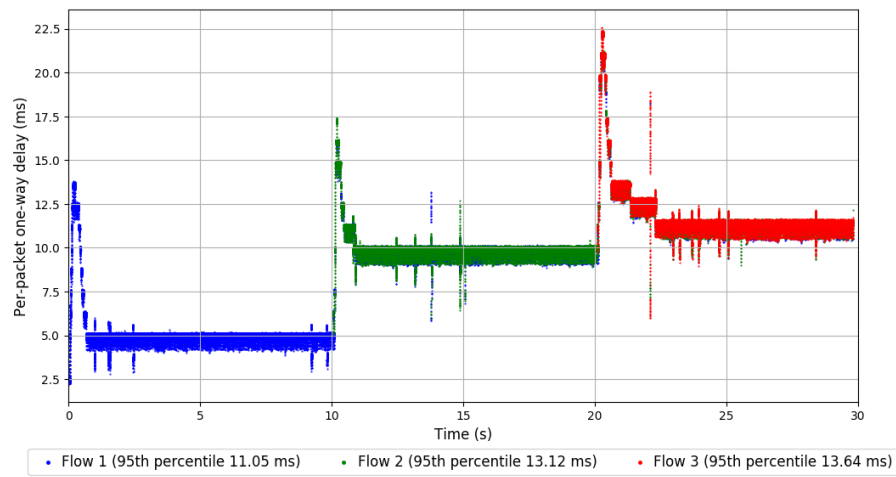
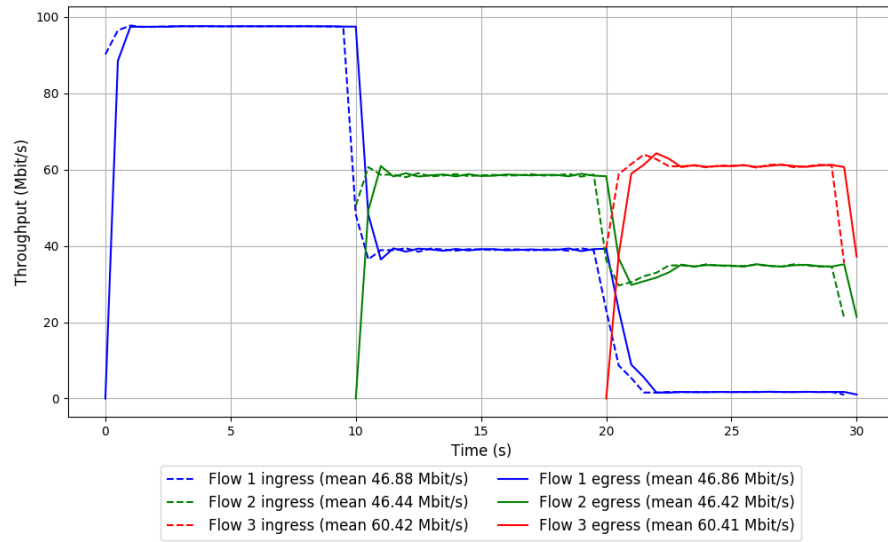


Run 8: Statistics of Indigo

Start at: 2018-07-10 06:03:04  
End at: 2018-07-10 06:03:34  
Local clock offset: -1.568 ms  
Remote clock offset: -7.527 ms

```
# Below is generated by plot.py at 2018-07-10 07:04:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 12.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 11.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 13.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 13.644 ms
Loss rate: 0.00%
```

# Run 8: Report of Indigo — Data Link

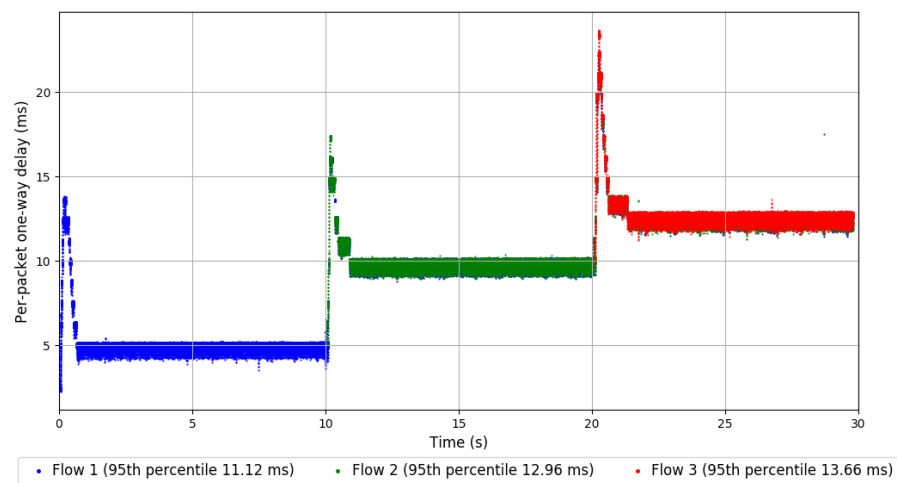
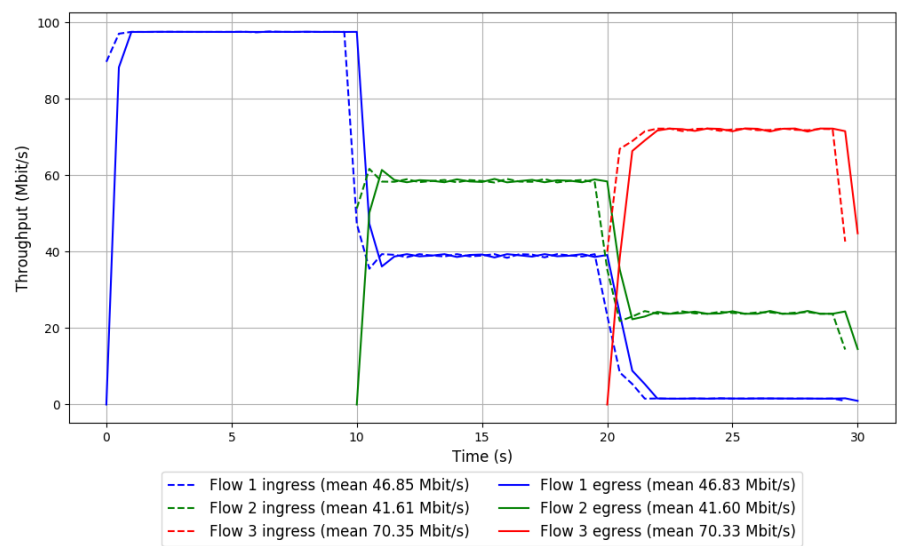


Run 9: Statistics of Indigo

Start at: 2018-07-10 06:22:15  
End at: 2018-07-10 06:22:45  
Local clock offset: -1.306 ms  
Remote clock offset: -9.748 ms

```
# Below is generated by plot.py at 2018-07-10 07:04:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 12.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 11.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 12.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 13.663 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

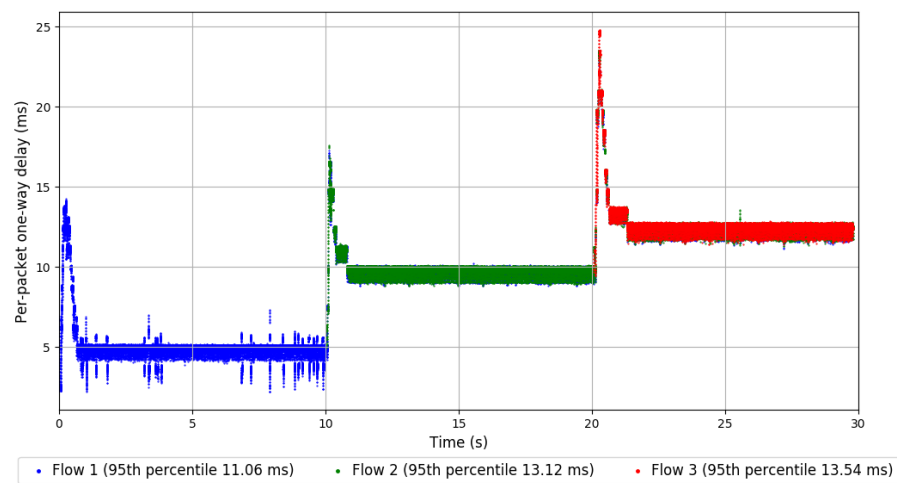
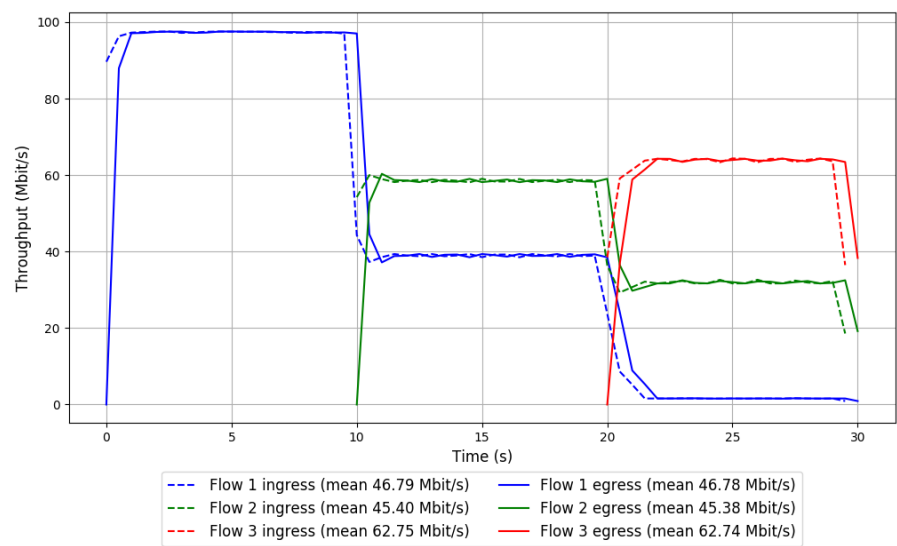


Run 10: Statistics of Indigo

Start at: 2018-07-10 06:41:27  
End at: 2018-07-10 06:41:57  
Local clock offset: -1.118 ms  
Remote clock offset: -9.489 ms

# Below is generated by plot.py at 2018-07-10 07:04:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 12.730 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.78 Mbit/s  
95th percentile per-packet one-way delay: 11.059 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.38 Mbit/s  
95th percentile per-packet one-way delay: 13.120 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.74 Mbit/s  
95th percentile per-packet one-way delay: 13.544 ms  
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



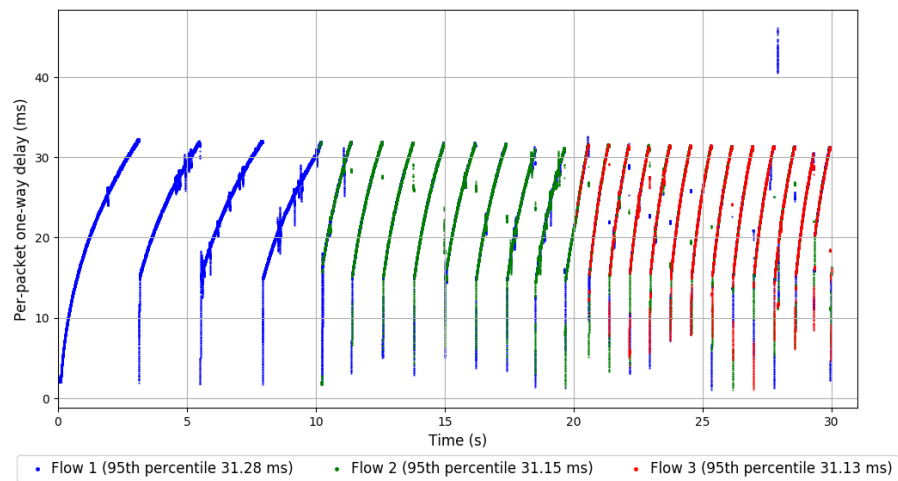
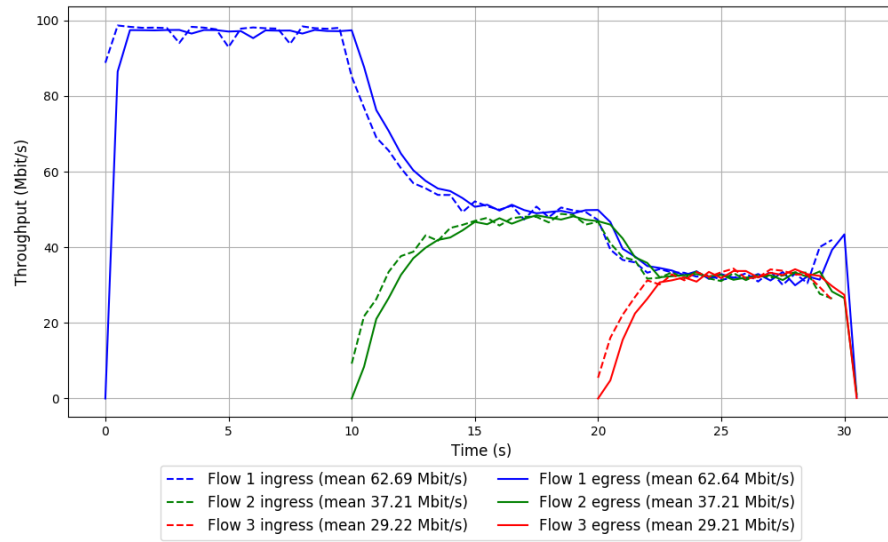
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 03:45:12  
End at: 2018-07-10 03:45:43  
Local clock offset: -2.201 ms  
Remote clock offset: -6.064 ms

# Below is generated by plot.py at 2018-07-10 07:04:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 31.211 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 62.64 Mbit/s  
95th percentile per-packet one-way delay: 31.276 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.21 Mbit/s  
95th percentile per-packet one-way delay: 31.150 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.21 Mbit/s  
95th percentile per-packet one-way delay: 31.126 ms  
Loss rate: 0.10%



# Run 1: Report of LEDBAT — Data Link

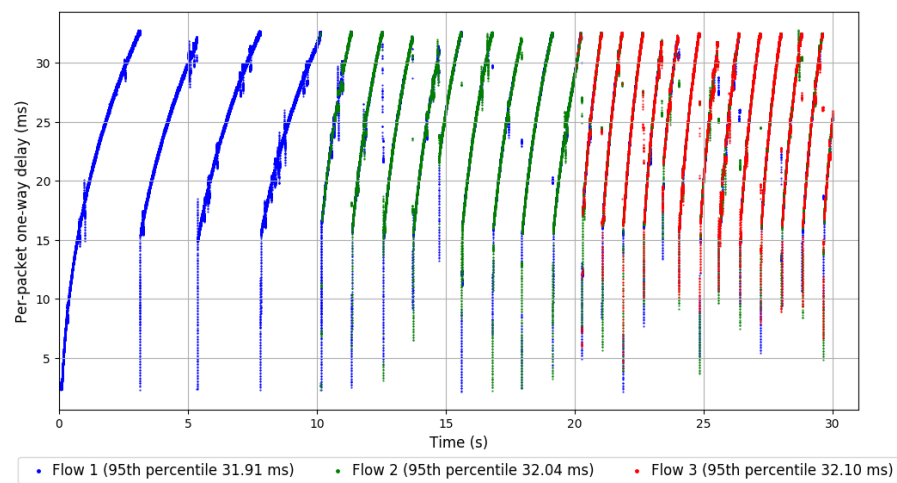
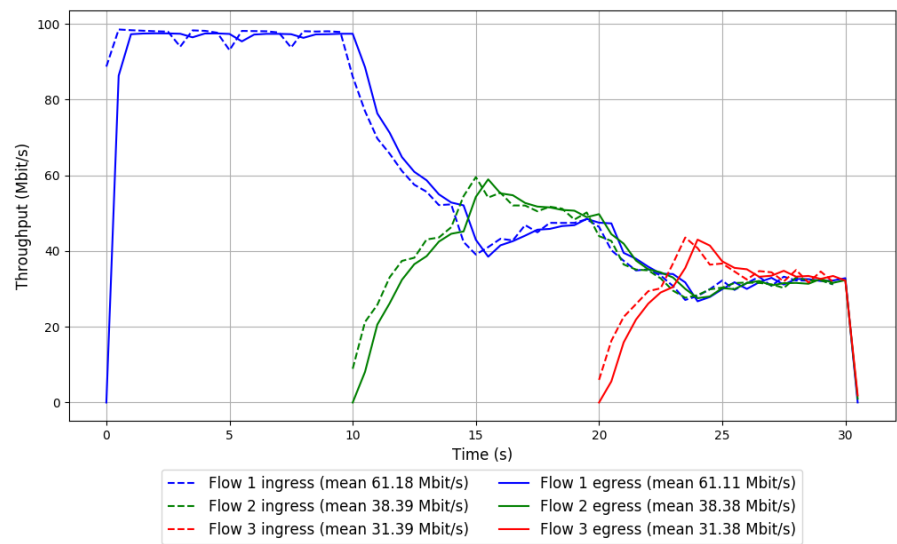


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 04:04:24  
End at: 2018-07-10 04:04:54  
Local clock offset: -2.315 ms  
Remote clock offset: 15.021 ms

# Below is generated by plot.py at 2018-07-10 07:04:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.08 Mbit/s  
95th percentile per-packet one-way delay: 31.975 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 61.11 Mbit/s  
95th percentile per-packet one-way delay: 31.915 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 38.38 Mbit/s  
95th percentile per-packet one-way delay: 32.039 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 31.38 Mbit/s  
95th percentile per-packet one-way delay: 32.100 ms  
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

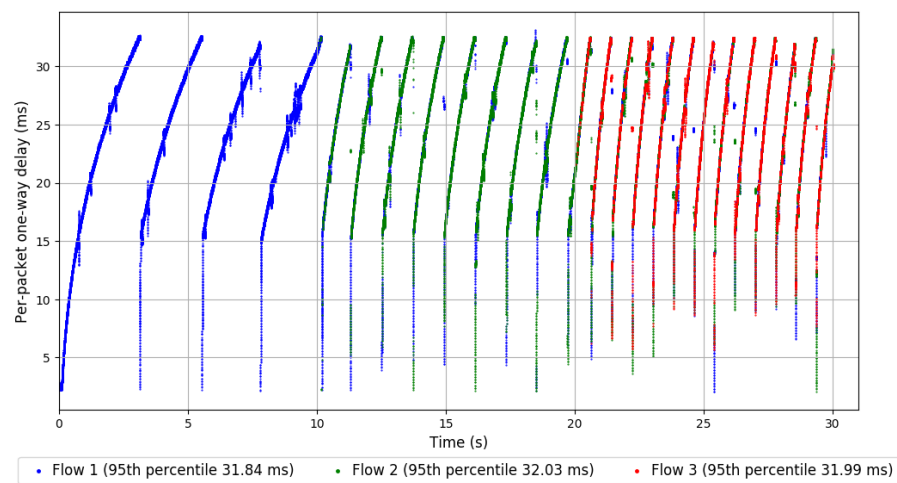
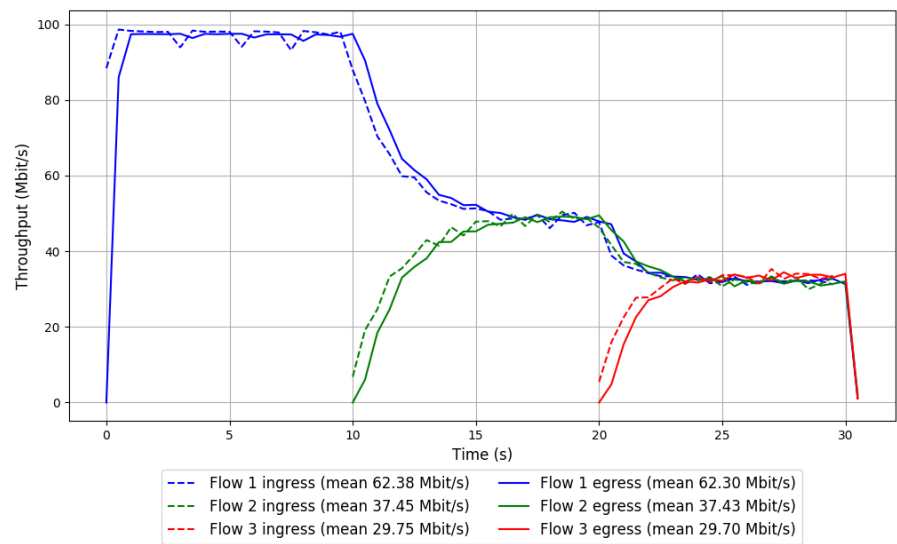


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 04:23:36  
End at: 2018-07-10 04:24:06  
Local clock offset: -2.112 ms  
Remote clock offset: 23.291 ms

# Below is generated by plot.py at 2018-07-10 07:05:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.04 Mbit/s  
95th percentile per-packet one-way delay: 31.937 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.30 Mbit/s  
95th percentile per-packet one-way delay: 31.838 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.43 Mbit/s  
95th percentile per-packet one-way delay: 32.029 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 29.70 Mbit/s  
95th percentile per-packet one-way delay: 31.988 ms  
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 04:42:48

End at: 2018-07-10 04:43:18

Local clock offset: -2.017 ms

Remote clock offset: 30.3 ms

# Below is generated by plot.py at 2018-07-10 07:05:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 31.755 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 63.81 Mbit/s

95th percentile per-packet one-way delay: 31.675 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 31.766 ms

Loss rate: 0.08%

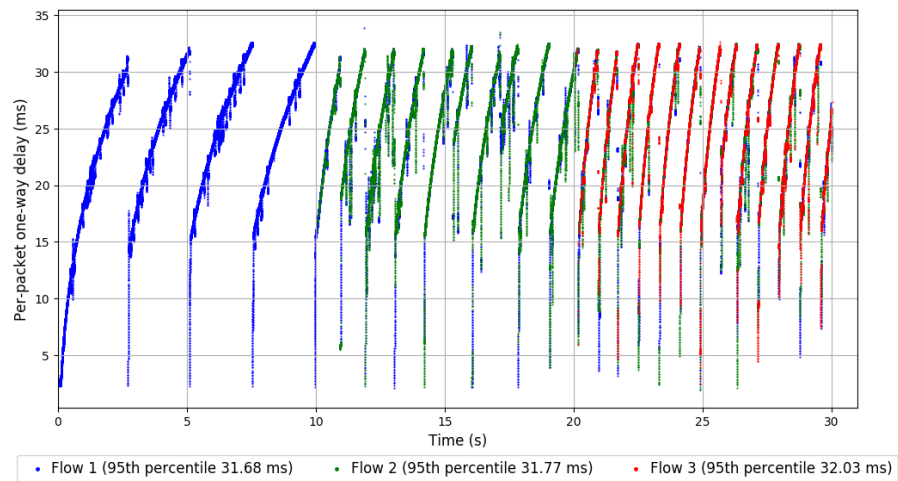
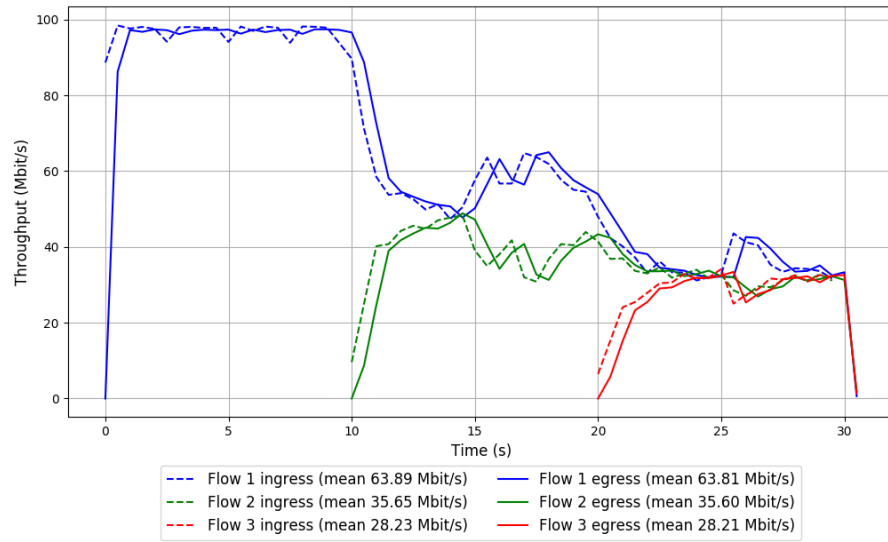
-- Flow 3:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 32.034 ms

Loss rate: 0.11%

# Run 4: Report of LEDBAT — Data Link



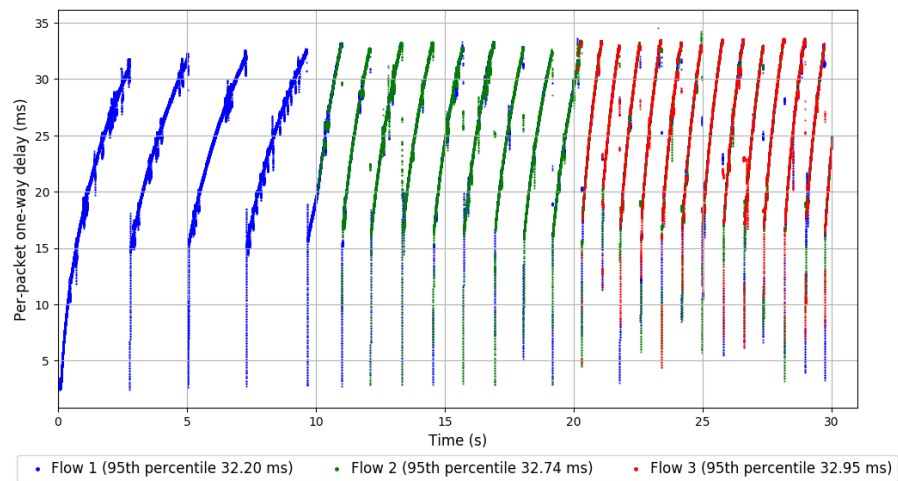
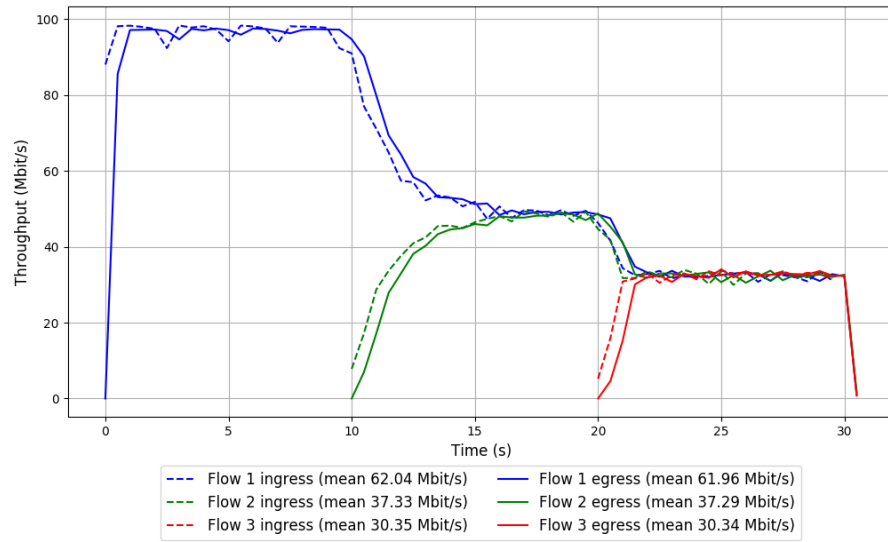
Run 5: Statistics of LEDBAT

Start at: 2018-07-10 05:02:00  
End at: 2018-07-10 05:02:30  
Local clock offset: -2.022 ms  
Remote clock offset: 11.497 ms

# Below is generated by plot.py at 2018-07-10 07:05:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 32.504 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 61.96 Mbit/s  
95th percentile per-packet one-way delay: 32.197 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 37.29 Mbit/s  
95th percentile per-packet one-way delay: 32.737 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 30.34 Mbit/s  
95th percentile per-packet one-way delay: 32.946 ms  
Loss rate: 0.08%



# Run 5: Report of LEDBAT — Data Link

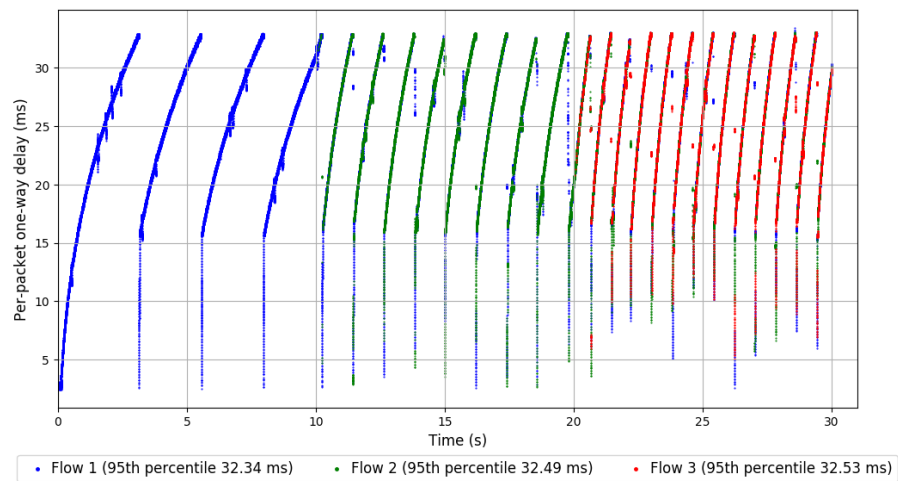
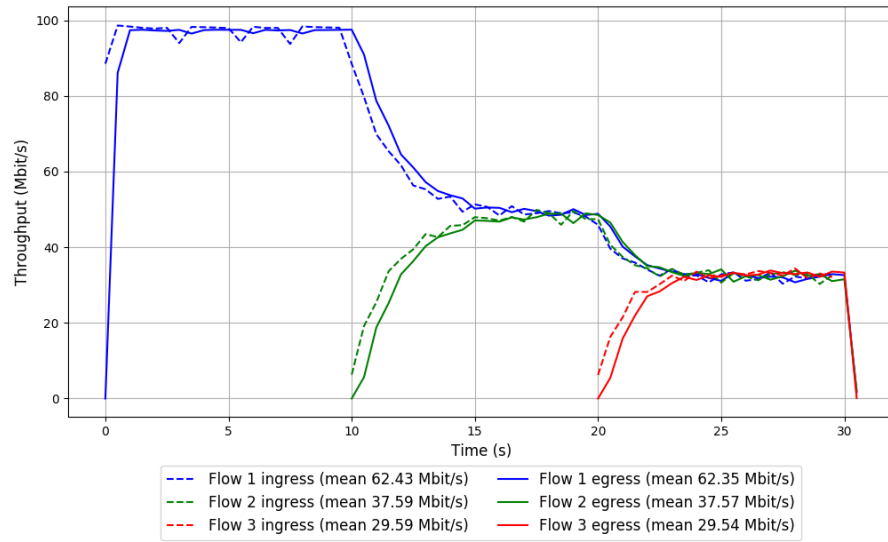


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 05:21:12  
End at: 2018-07-10 05:21:42  
Local clock offset: -1.957 ms  
Remote clock offset: -2.353 ms

# Below is generated by plot.py at 2018-07-10 07:05:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 32.412 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.35 Mbit/s  
95th percentile per-packet one-way delay: 32.341 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.57 Mbit/s  
95th percentile per-packet one-way delay: 32.493 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.54 Mbit/s  
95th percentile per-packet one-way delay: 32.531 ms  
Loss rate: 0.08%

## Run 6: Report of LEDBAT — Data Link

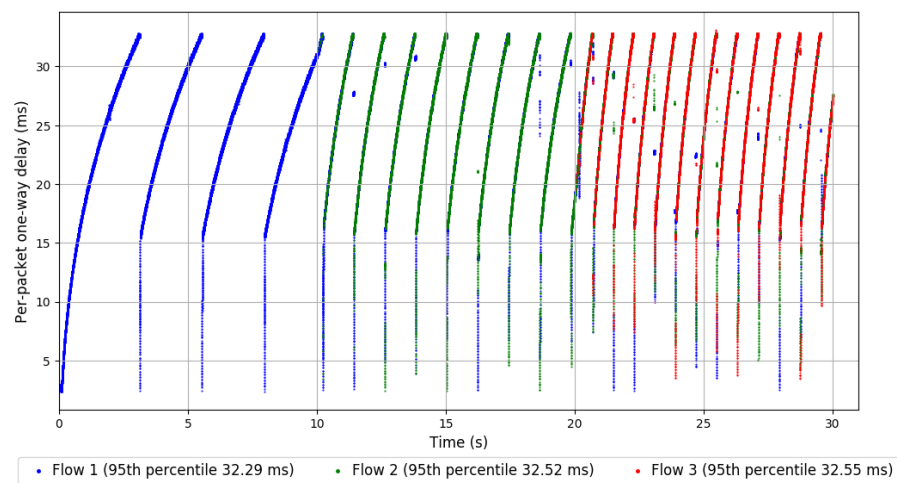
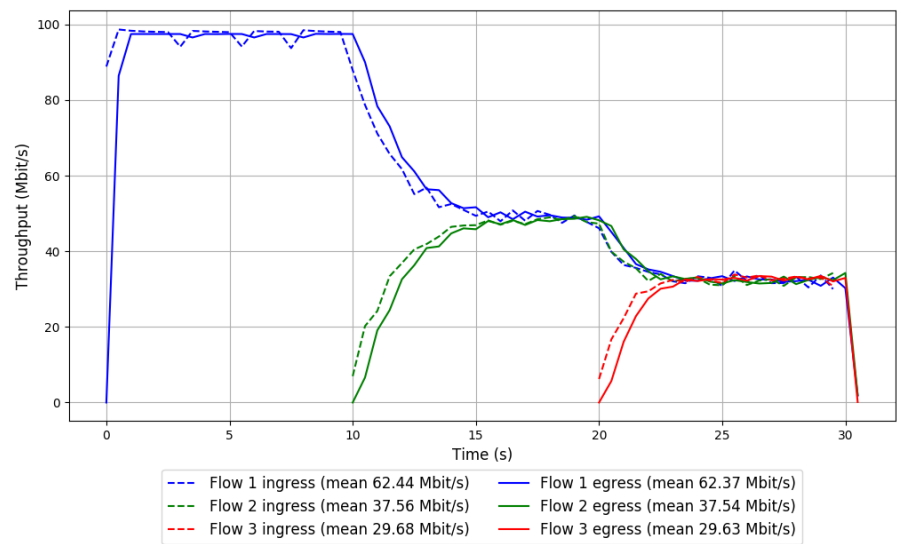


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 05:40:29  
End at: 2018-07-10 05:40:59  
Local clock offset: -1.765 ms  
Remote clock offset: -4.254 ms

# Below is generated by plot.py at 2018-07-10 07:05:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.19 Mbit/s  
95th percentile per-packet one-way delay: 32.330 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.37 Mbit/s  
95th percentile per-packet one-way delay: 32.287 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 32.524 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.63 Mbit/s  
95th percentile per-packet one-way delay: 32.551 ms  
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

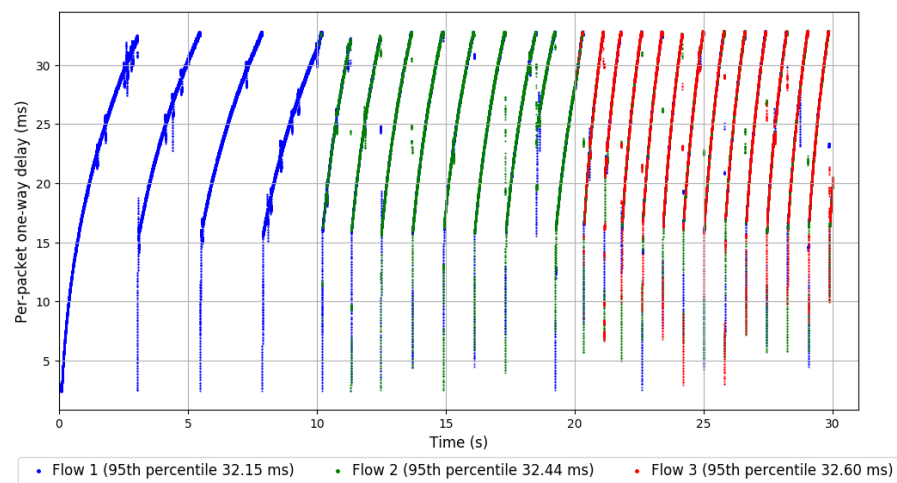
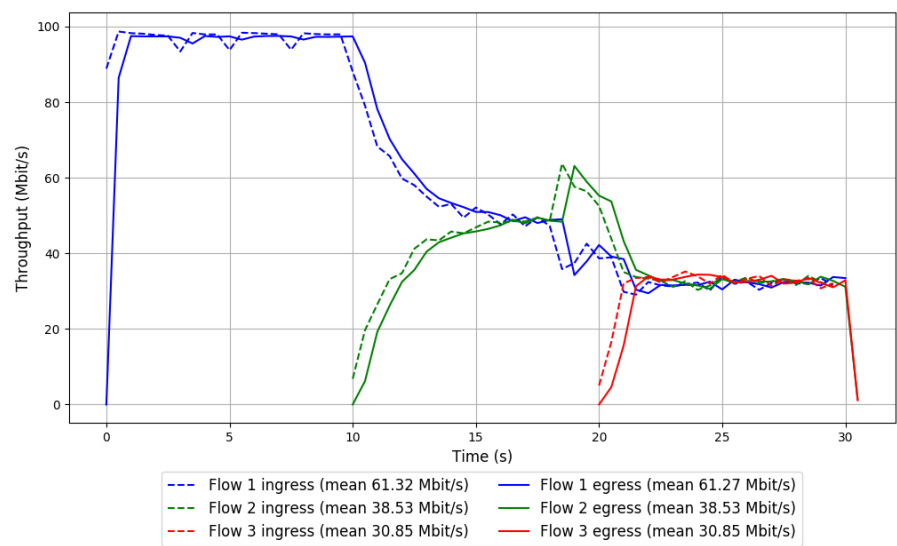


Run 8: Statistics of LEDBAT

Start at: 2018-07-10 05:59:41  
End at: 2018-07-10 06:00:11  
Local clock offset: -1.675 ms  
Remote clock offset: -7.094 ms

# Below is generated by plot.py at 2018-07-10 07:05:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 32.330 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 61.27 Mbit/s  
95th percentile per-packet one-way delay: 32.146 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 38.53 Mbit/s  
95th percentile per-packet one-way delay: 32.441 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 30.85 Mbit/s  
95th percentile per-packet one-way delay: 32.599 ms  
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



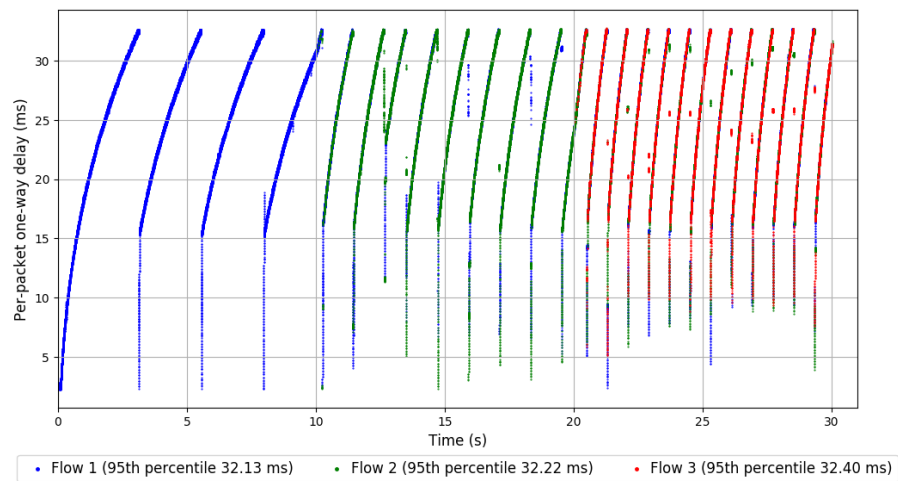
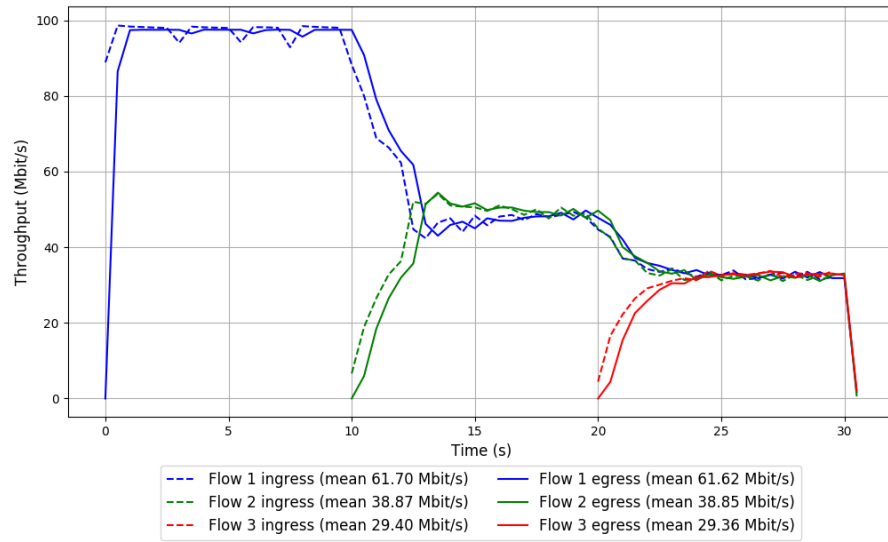
Run 9: Statistics of LEDBAT

Start at: 2018-07-10 06:18:52  
End at: 2018-07-10 06:19:22  
Local clock offset: -1.352 ms  
Remote clock offset: -9.302 ms

# Below is generated by plot.py at 2018-07-10 07:05:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 32.178 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 61.62 Mbit/s  
95th percentile per-packet one-way delay: 32.135 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 38.85 Mbit/s  
95th percentile per-packet one-way delay: 32.216 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 29.36 Mbit/s  
95th percentile per-packet one-way delay: 32.402 ms  
Loss rate: 0.06%



# Run 9: Report of LEDBAT — Data Link

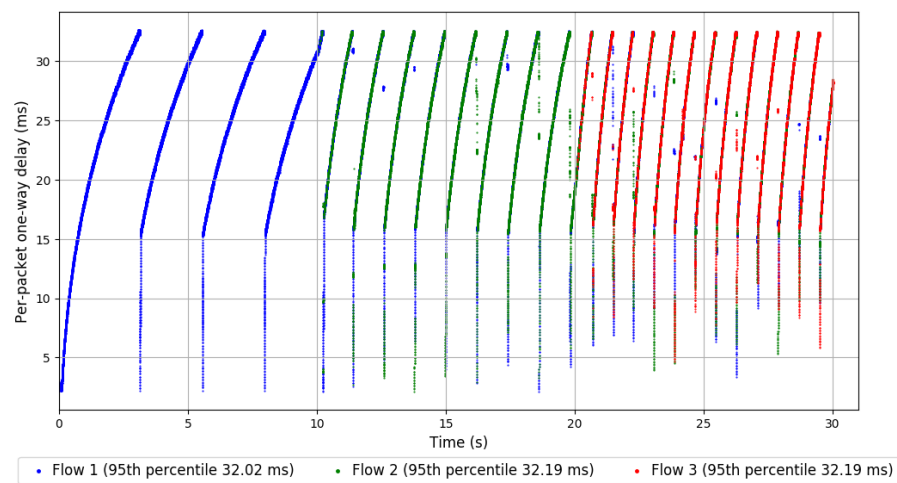
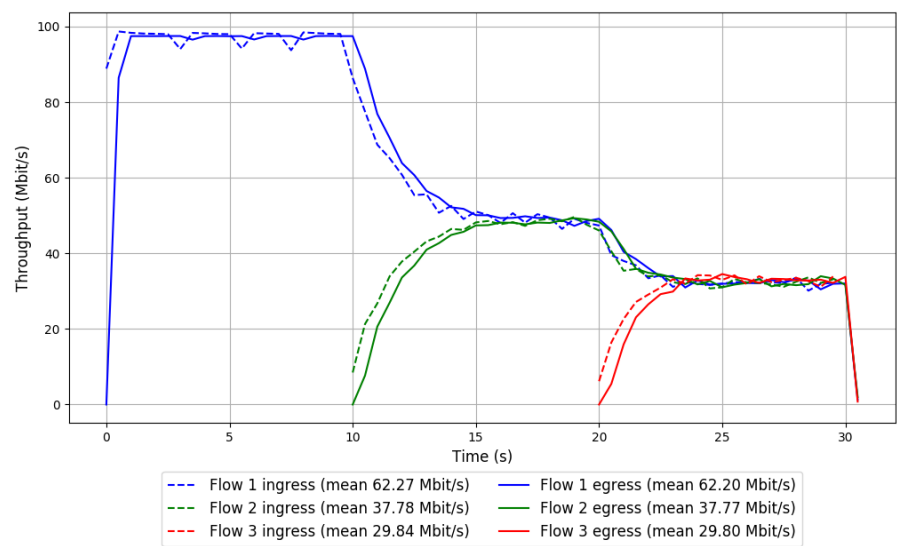


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 06:38:04  
End at: 2018-07-10 06:38:34  
Local clock offset: -1.165 ms  
Remote clock offset: -10.468 ms

# Below is generated by plot.py at 2018-07-10 07:05:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.21 Mbit/s  
95th percentile per-packet one-way delay: 32.071 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.20 Mbit/s  
95th percentile per-packet one-way delay: 32.024 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.77 Mbit/s  
95th percentile per-packet one-way delay: 32.190 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 29.80 Mbit/s  
95th percentile per-packet one-way delay: 32.191 ms  
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

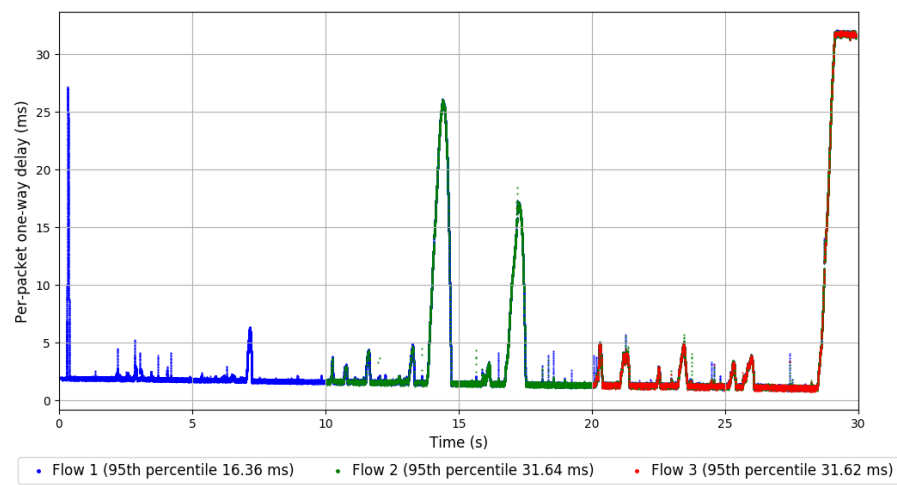
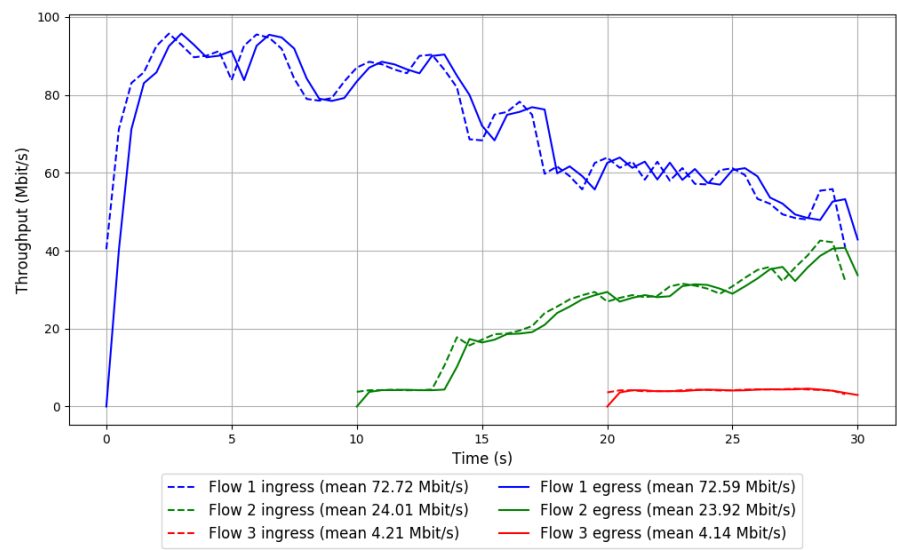


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 03:46:21
End at: 2018-07-10 03:46:51
Local clock offset: -2.21 ms
Remote clock offset: -3.882 ms

# Below is generated by plot.py at 2018-07-10 07:06:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 20.448 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 72.59 Mbit/s
95th percentile per-packet one-way delay: 16.364 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 31.635 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 31.616 ms
Loss rate: 1.21%
```

Run 1: Report of PCC-Allegro — Data Link

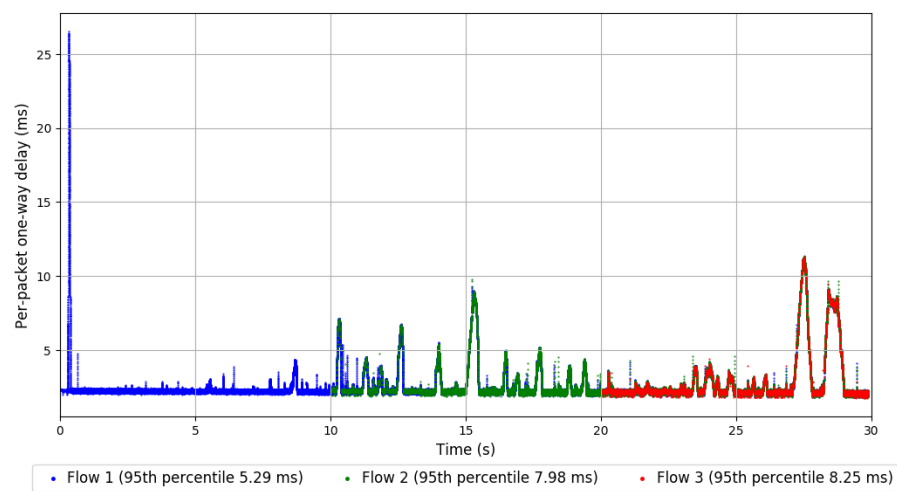
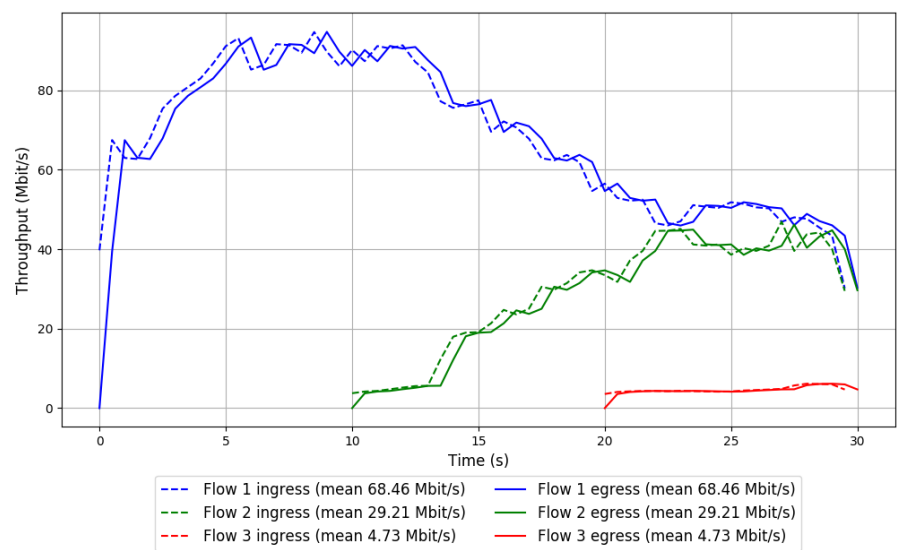


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 04:05:33  
End at: 2018-07-10 04:06:03  
Local clock offset: -2.239 ms  
Remote clock offset: 15.534 ms

# Below is generated by plot.py at 2018-07-10 07:06:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.44 Mbit/s  
95th percentile per-packet one-way delay: 6.284 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.46 Mbit/s  
95th percentile per-packet one-way delay: 5.291 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 29.21 Mbit/s  
95th percentile per-packet one-way delay: 7.982 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.73 Mbit/s  
95th percentile per-packet one-way delay: 8.253 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



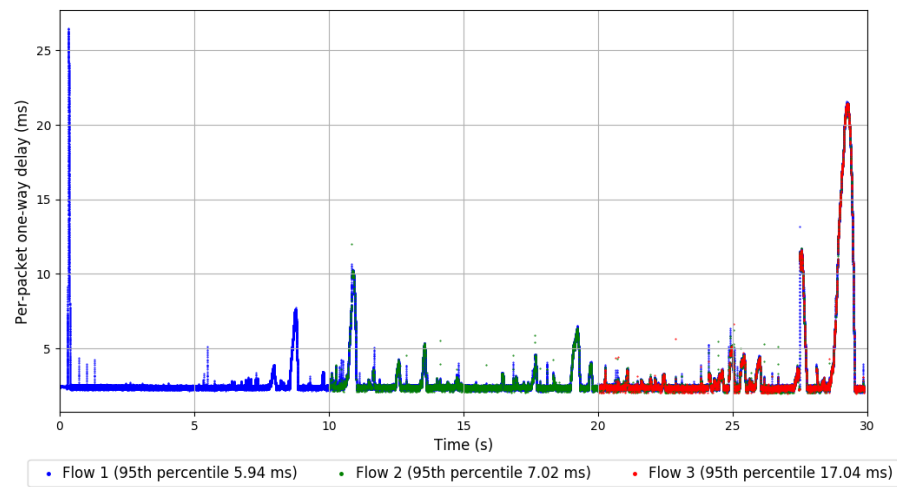
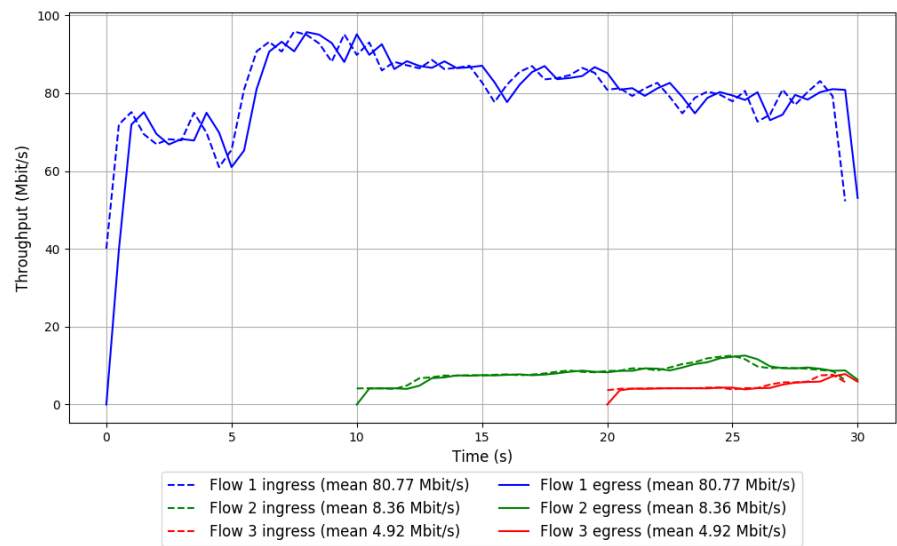
Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 04:24:45  
End at: 2018-07-10 04:25:15  
Local clock offset: -2.179 ms  
Remote clock offset: 23.718 ms

# Below is generated by plot.py at 2018-07-10 07:06:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.95 Mbit/s  
95th percentile per-packet one-way delay: 6.141 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 80.77 Mbit/s  
95th percentile per-packet one-way delay: 5.944 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.36 Mbit/s  
95th percentile per-packet one-way delay: 7.019 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.92 Mbit/s  
95th percentile per-packet one-way delay: 17.039 ms  
Loss rate: 0.00%



Run 3: Report of PCC-Allegro — Data Link

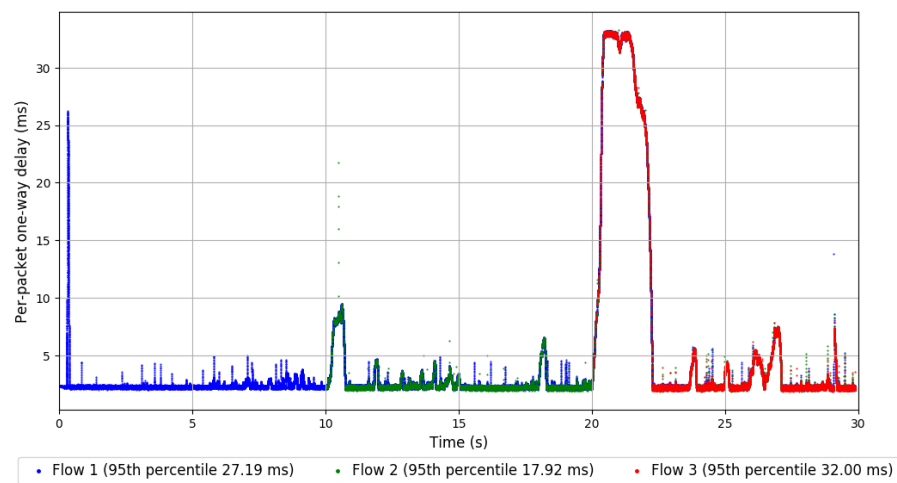
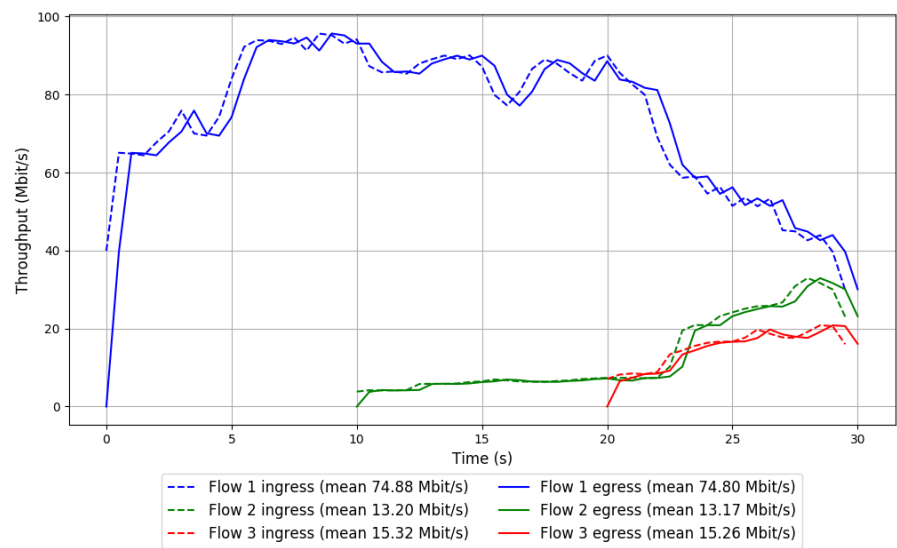


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 04:43:57  
End at: 2018-07-10 04:44:27  
Local clock offset: -2.005 ms  
Remote clock offset: 30.625 ms

# Below is generated by plot.py at 2018-07-10 07:06:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.59 Mbit/s  
95th percentile per-packet one-way delay: 27.187 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 74.80 Mbit/s  
95th percentile per-packet one-way delay: 27.191 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 13.17 Mbit/s  
95th percentile per-packet one-way delay: 17.919 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 15.26 Mbit/s  
95th percentile per-packet one-way delay: 32.004 ms  
Loss rate: 0.35%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 05:03:09

End at: 2018-07-10 05:03:39

Local clock offset: -2.026 ms

Remote clock offset: 9.906 ms

# Below is generated by plot.py at 2018-07-10 07:06:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 9.506 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.42 Mbit/s

95th percentile per-packet one-way delay: 9.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.76 Mbit/s

95th percentile per-packet one-way delay: 9.014 ms

Loss rate: 0.00%

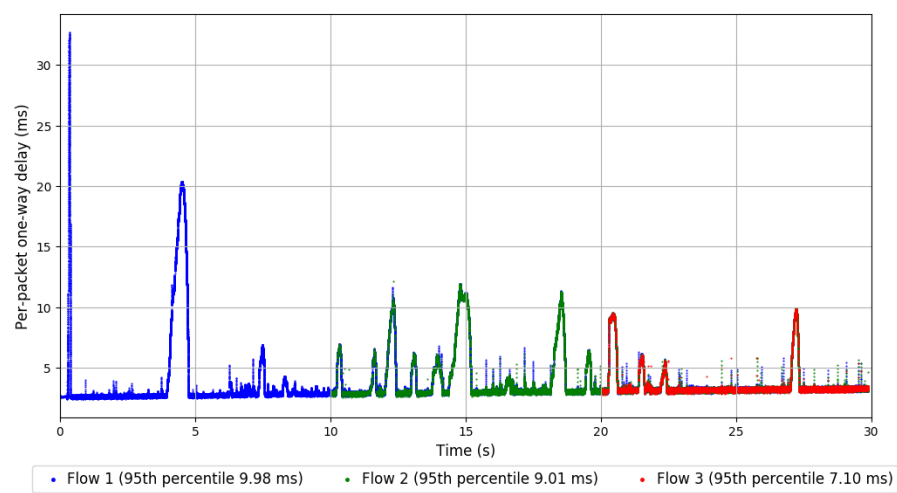
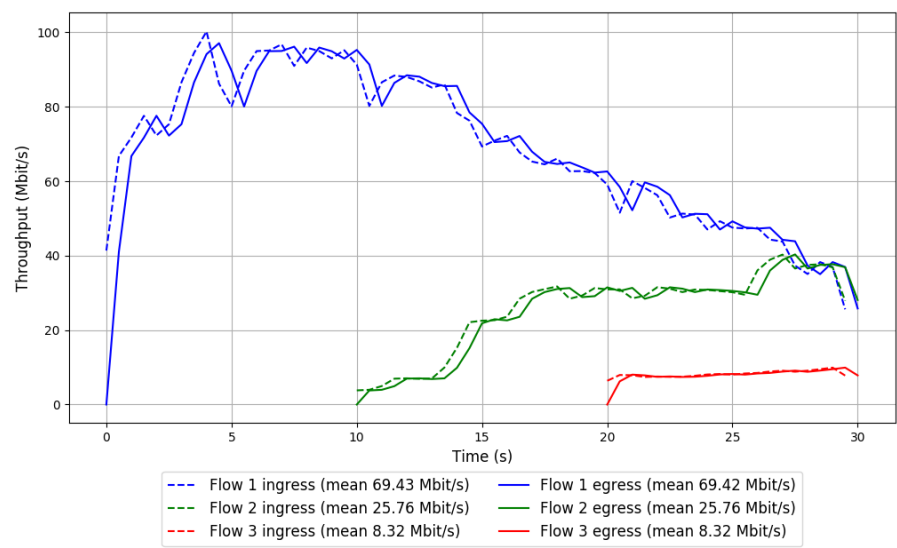
-- Flow 3:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 7.102 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

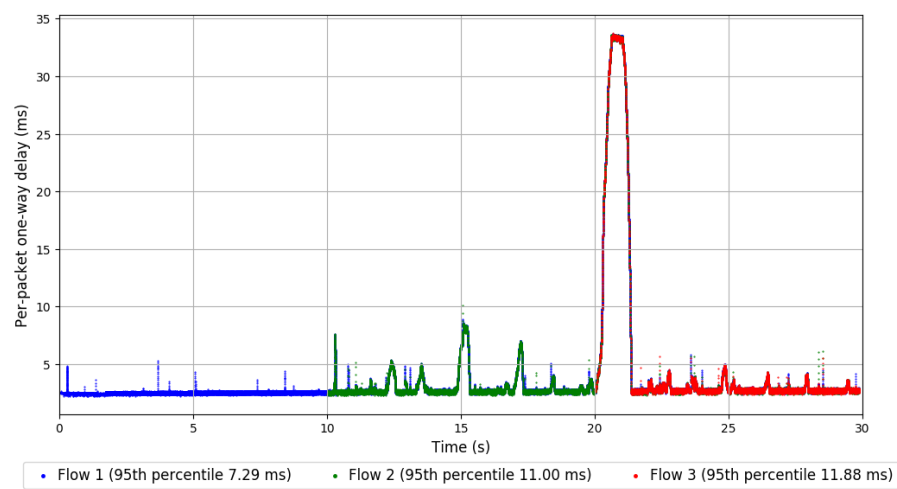
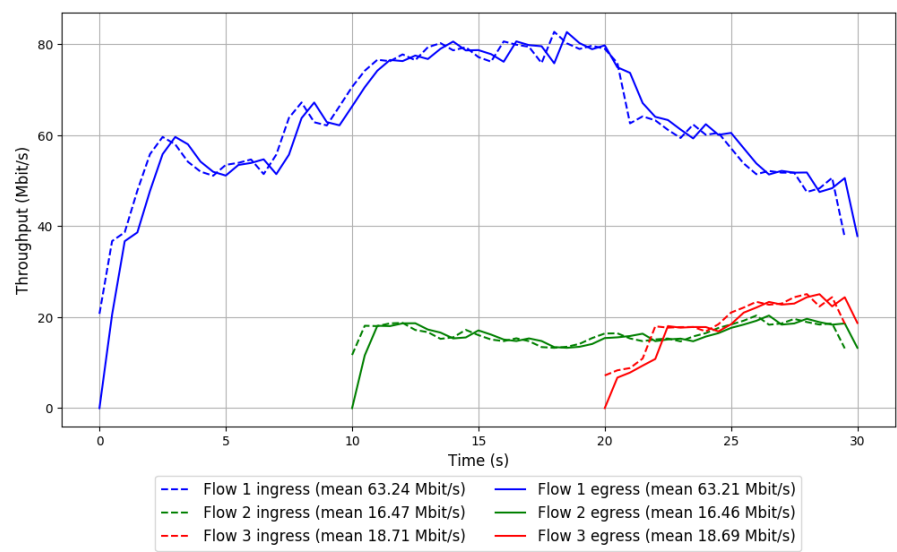


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 05:22:21  
End at: 2018-07-10 05:22:51  
Local clock offset: -1.921 ms  
Remote clock offset: -2.787 ms

# Below is generated by plot.py at 2018-07-10 07:06:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.32 Mbit/s  
95th percentile per-packet one-way delay: 7.873 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 63.21 Mbit/s  
95th percentile per-packet one-way delay: 7.287 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 16.46 Mbit/s  
95th percentile per-packet one-way delay: 11.001 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 18.69 Mbit/s  
95th percentile per-packet one-way delay: 11.878 ms  
Loss rate: 0.11%

Run 6: Report of PCC-Allegro — Data Link



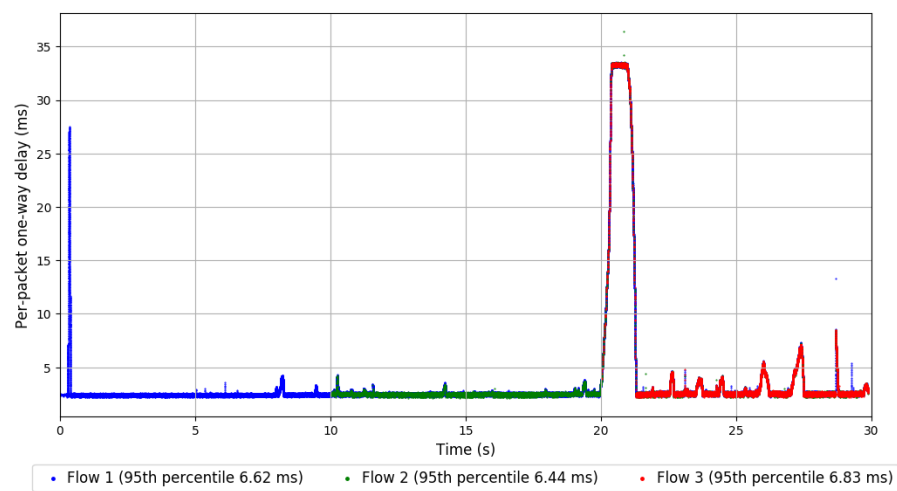
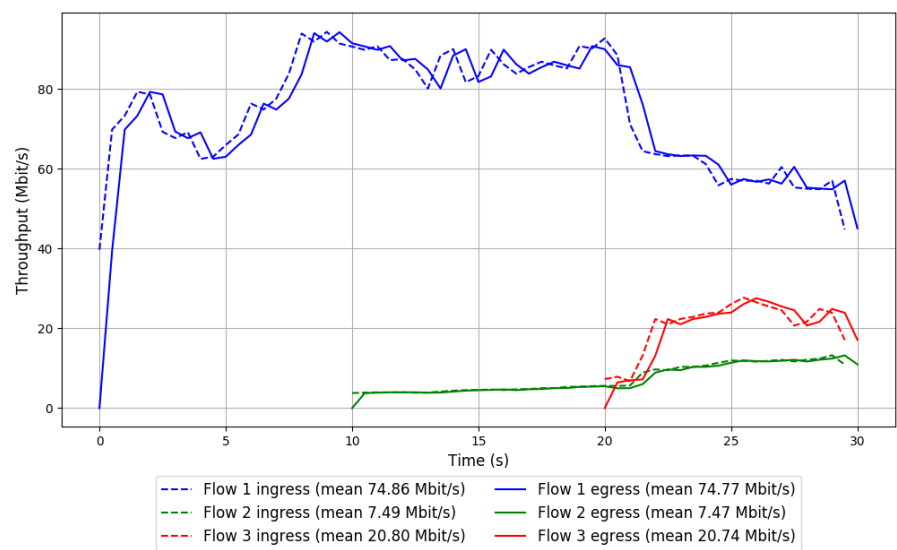
Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 05:41:38  
End at: 2018-07-10 05:42:08  
Local clock offset: -1.718 ms  
Remote clock offset: -4.412 ms

# Below is generated by plot.py at 2018-07-10 07:06:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.58 Mbit/s  
95th percentile per-packet one-way delay: 6.631 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 74.77 Mbit/s  
95th percentile per-packet one-way delay: 6.623 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 7.47 Mbit/s  
95th percentile per-packet one-way delay: 6.437 ms  
Loss rate: 0.29%  
-- Flow 3:  
Average throughput: 20.74 Mbit/s  
95th percentile per-packet one-way delay: 6.832 ms  
Loss rate: 0.31%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 06:00:50

End at: 2018-07-10 06:01:20

Local clock offset: -1.584 ms

Remote clock offset: -7.28 ms

# Below is generated by plot.py at 2018-07-10 07:06:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 32.982 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 23.779 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 33.216 ms

Loss rate: 0.32%

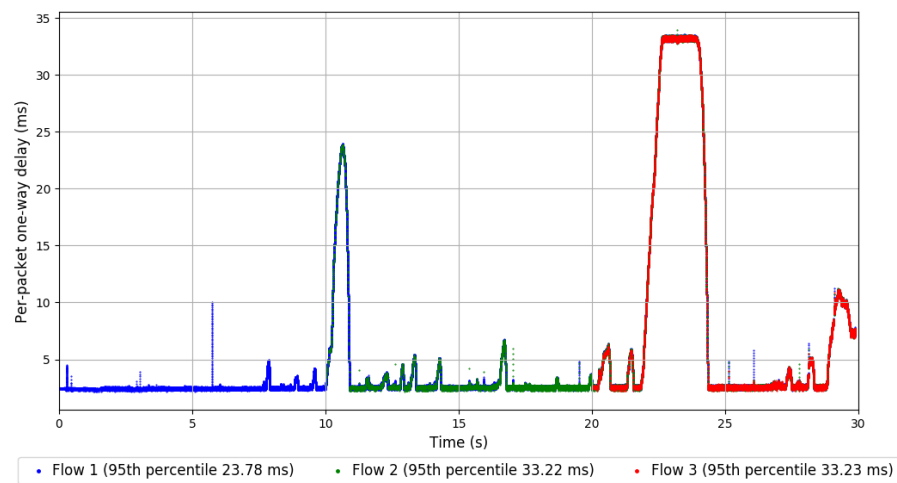
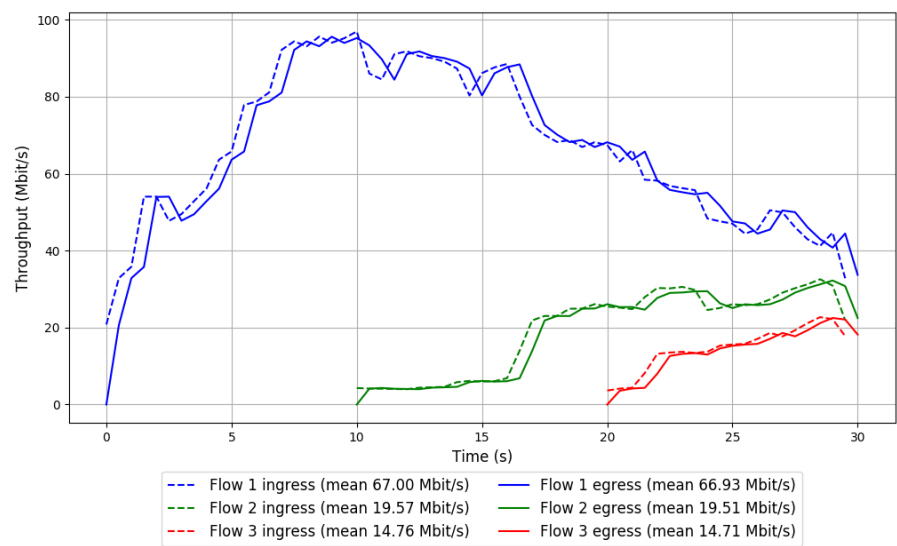
-- Flow 3:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 33.235 ms

Loss rate: 0.34%

Run 8: Report of PCC-Allegro — Data Link

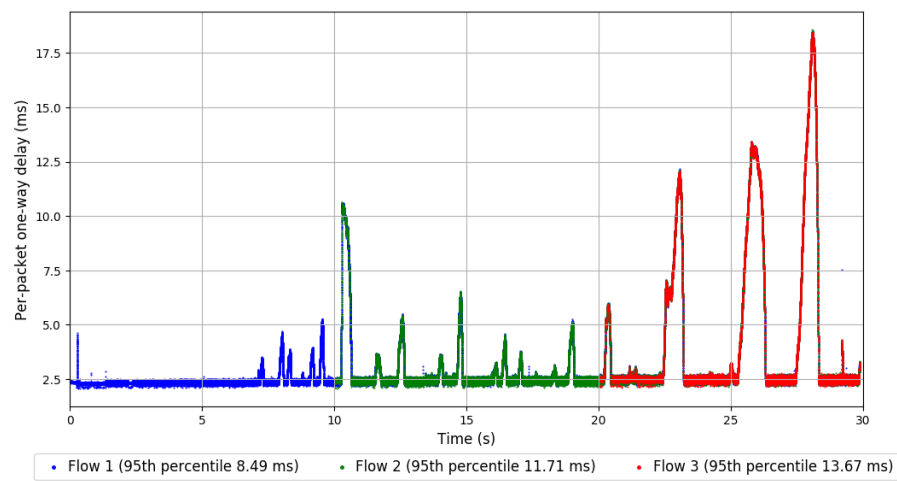
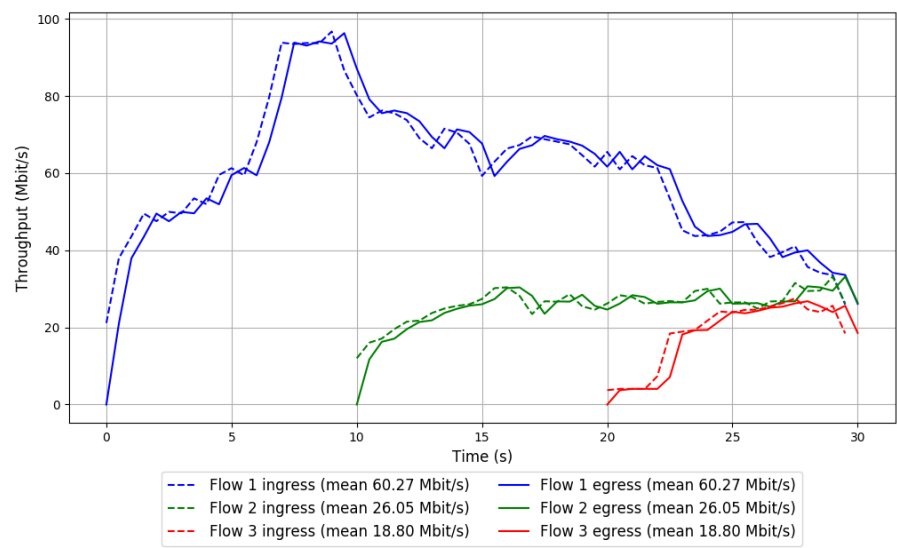


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 06:20:01  
End at: 2018-07-10 06:20:31  
Local clock offset: -1.322 ms  
Remote clock offset: -9.439 ms

# Below is generated by plot.py at 2018-07-10 07:07:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.80 Mbit/s  
95th percentile per-packet one-way delay: 10.335 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 60.27 Mbit/s  
95th percentile per-packet one-way delay: 8.490 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 26.05 Mbit/s  
95th percentile per-packet one-way delay: 11.708 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.80 Mbit/s  
95th percentile per-packet one-way delay: 13.667 ms  
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

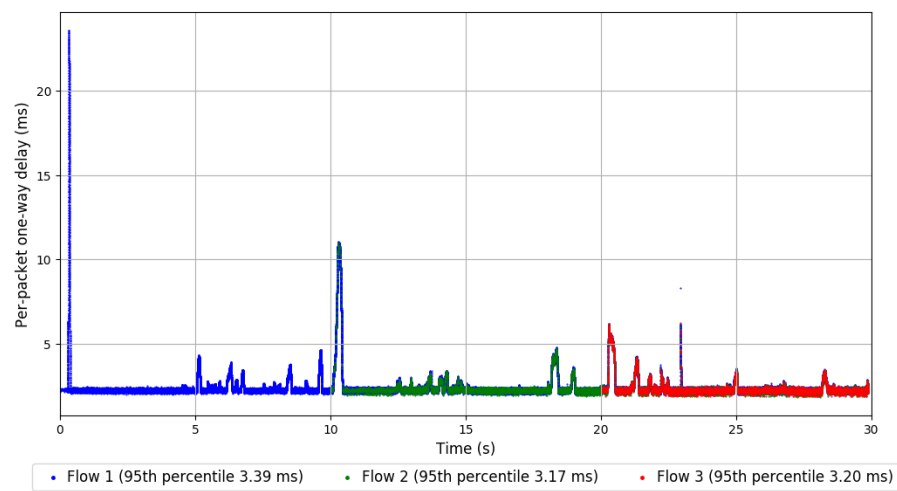
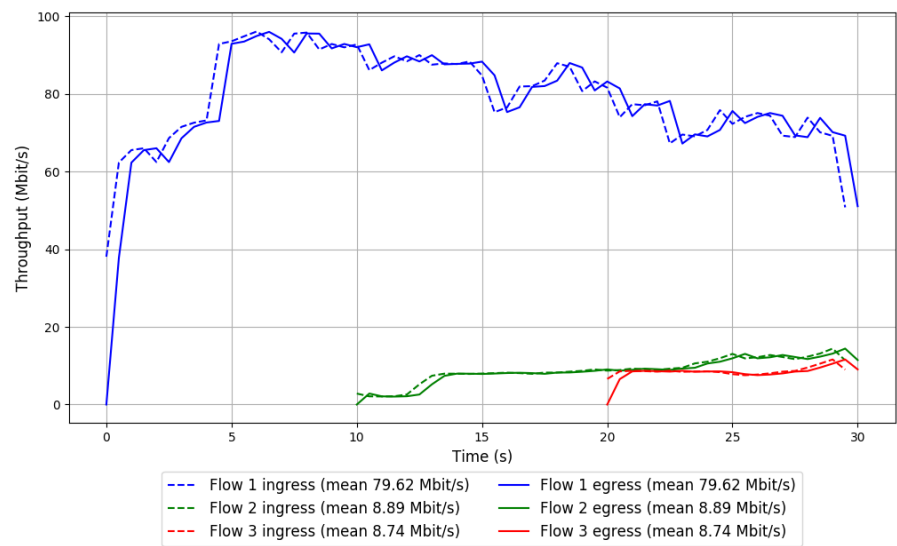


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 06:39:13  
End at: 2018-07-10 06:39:43  
Local clock offset: -1.156 ms  
Remote clock offset: -10.123 ms

# Below is generated by plot.py at 2018-07-10 07:07:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.42 Mbit/s  
95th percentile per-packet one-way delay: 3.360 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 79.62 Mbit/s  
95th percentile per-packet one-way delay: 3.388 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.89 Mbit/s  
95th percentile per-packet one-way delay: 3.169 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 8.74 Mbit/s  
95th percentile per-packet one-way delay: 3.203 ms  
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



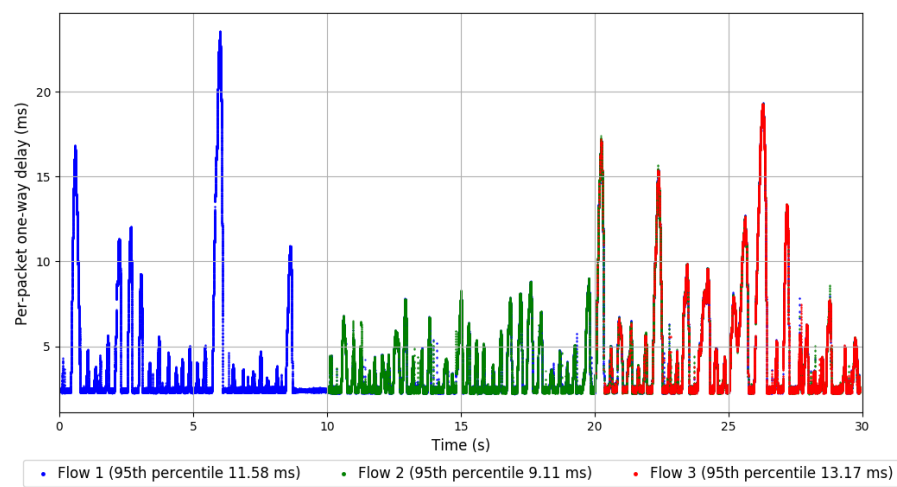
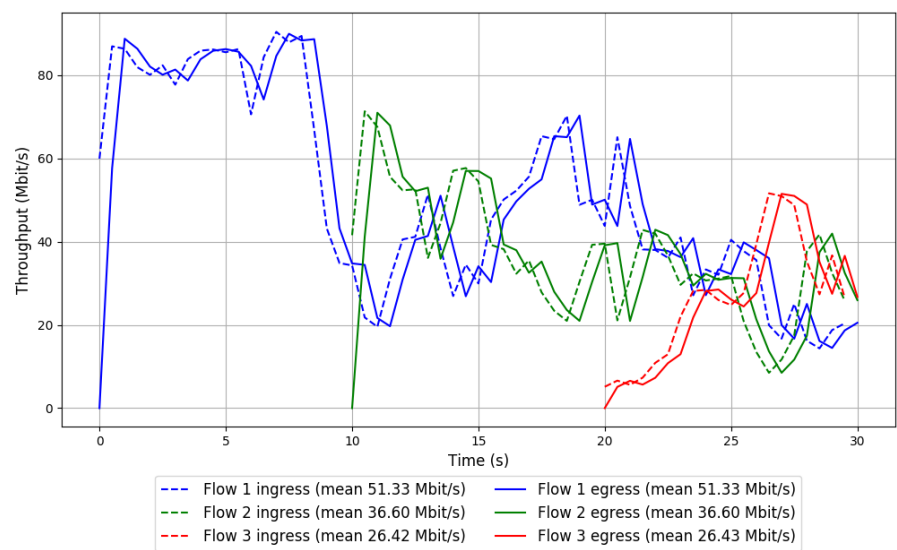
```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 03:42:55
End at: 2018-07-10 03:43:25
Local clock offset: -2.199 ms
Remote clock offset: -7.246 ms

# Below is generated by plot.py at 2018-07-10 07:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 11.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 9.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 13.174 ms
Loss rate: 0.00%
```



Run 1: Report of PCC-Expr — Data Link

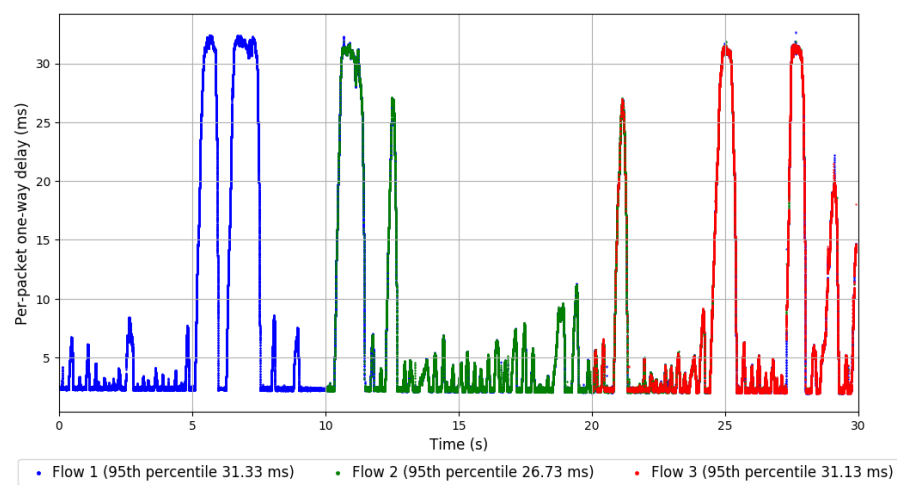
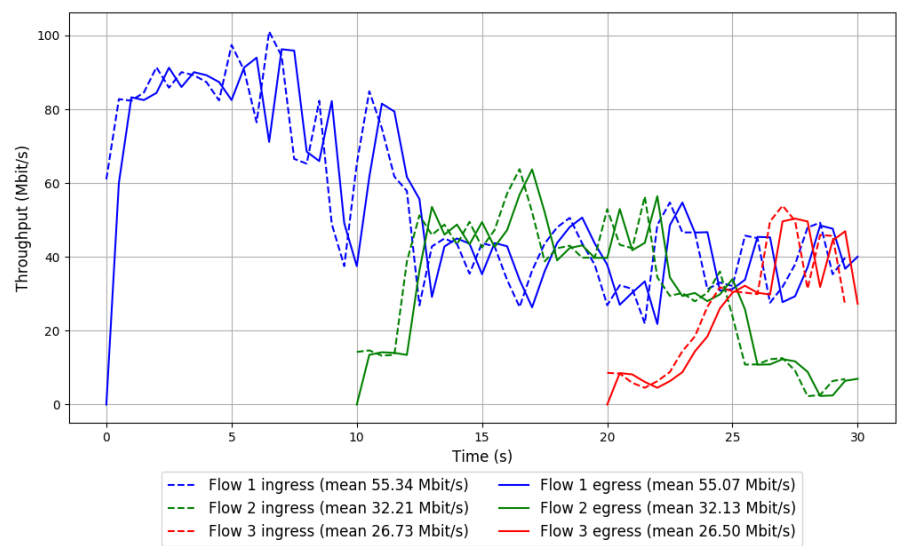


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 04:02:07
End at: 2018-07-10 04:02:37
Local clock offset: -2.264 ms
Remote clock offset: 13.707 ms

# Below is generated by plot.py at 2018-07-10 07:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 31.148 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 31.329 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 26.727 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 31.129 ms
Loss rate: 0.71%
```

Run 2: Report of PCC-Expr — Data Link

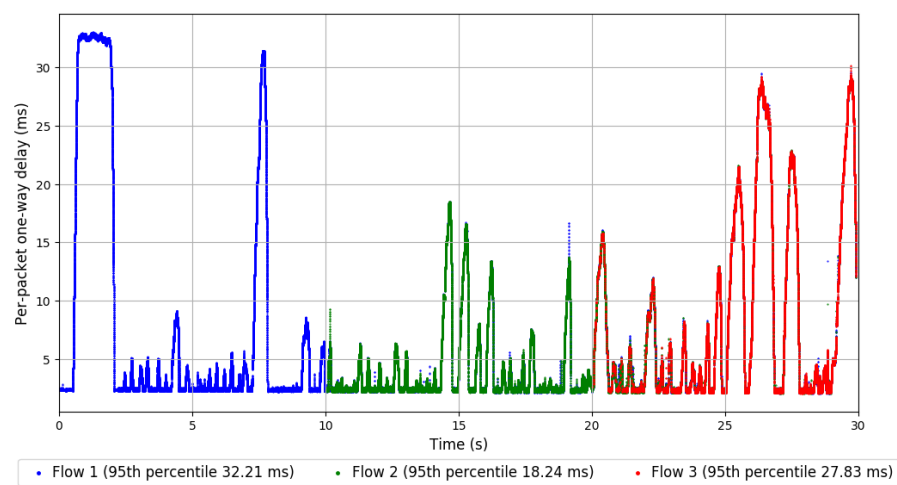
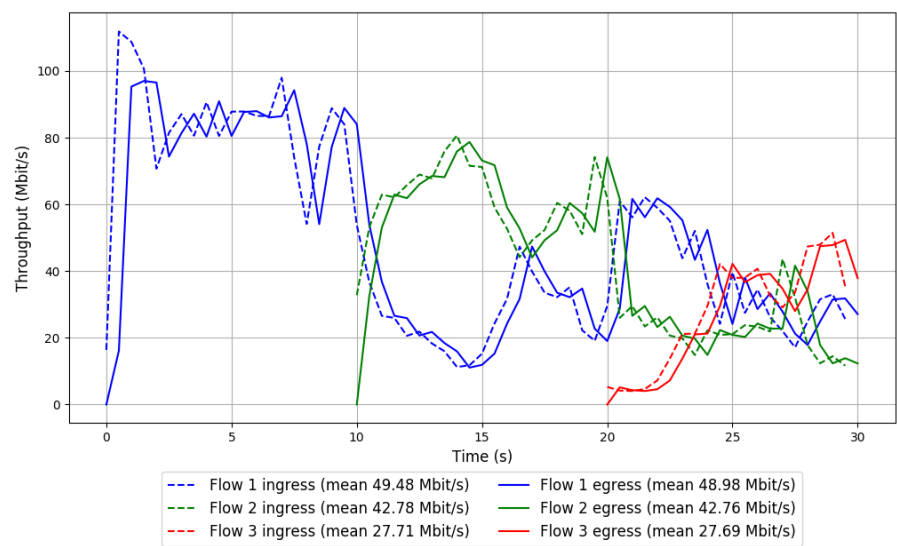


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 04:21:19  
End at: 2018-07-10 04:21:49  
Local clock offset: -2.2 ms  
Remote clock offset: 22.417 ms

# Below is generated by plot.py at 2018-07-10 07:08:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.58 Mbit/s  
95th percentile per-packet one-way delay: 28.023 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 48.98 Mbit/s  
95th percentile per-packet one-way delay: 32.214 ms  
Loss rate: 0.98%  
-- Flow 2:  
Average throughput: 42.76 Mbit/s  
95th percentile per-packet one-way delay: 18.244 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.69 Mbit/s  
95th percentile per-packet one-way delay: 27.834 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

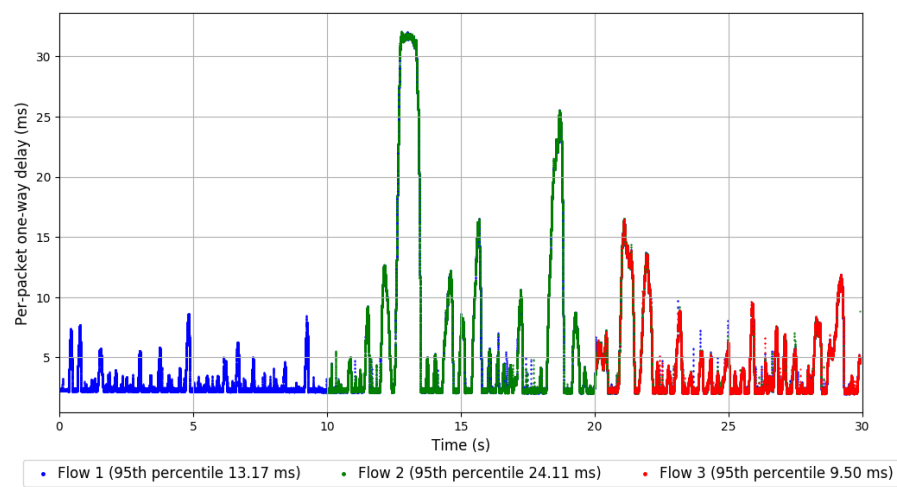
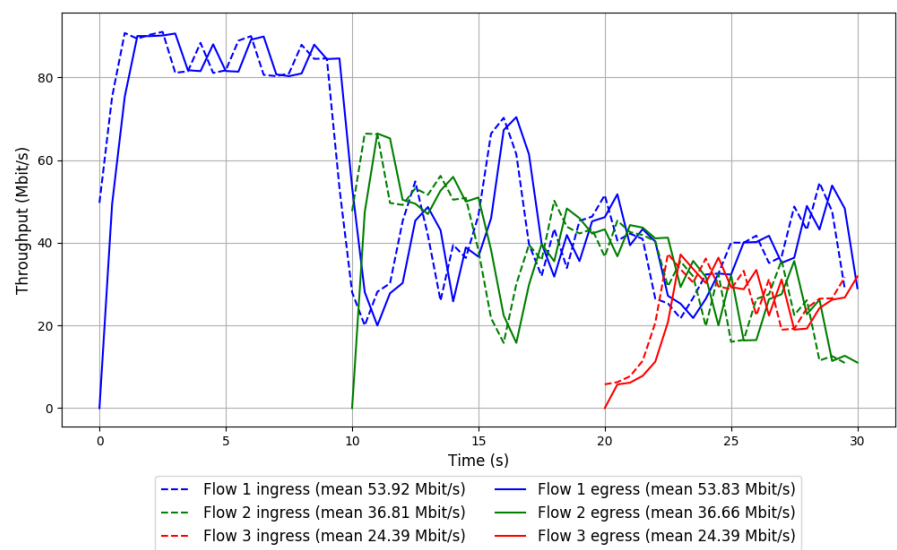


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 04:40:31  
End at: 2018-07-10 04:41:01  
Local clock offset: -2.033 ms  
Remote clock offset: 29.411 ms

# Below is generated by plot.py at 2018-07-10 07:08:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.26 Mbit/s  
95th percentile per-packet one-way delay: 15.178 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 53.83 Mbit/s  
95th percentile per-packet one-way delay: 13.167 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 36.66 Mbit/s  
95th percentile per-packet one-way delay: 24.105 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 24.39 Mbit/s  
95th percentile per-packet one-way delay: 9.500 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



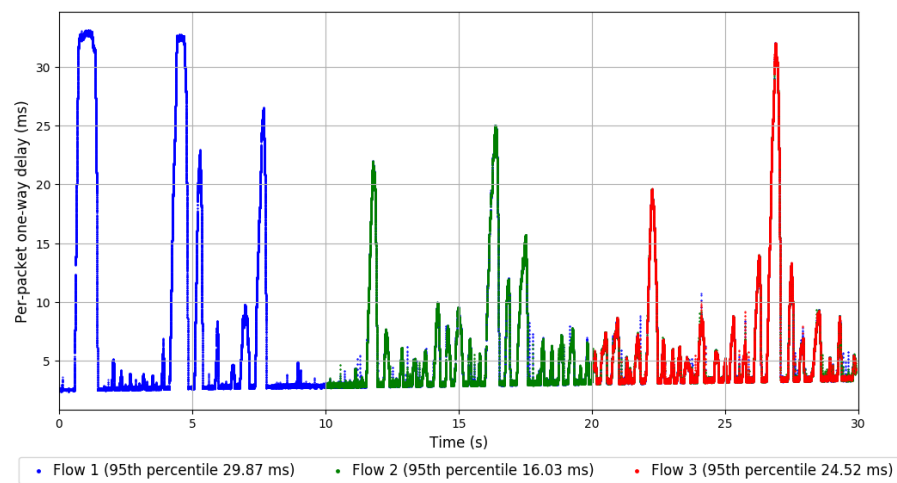
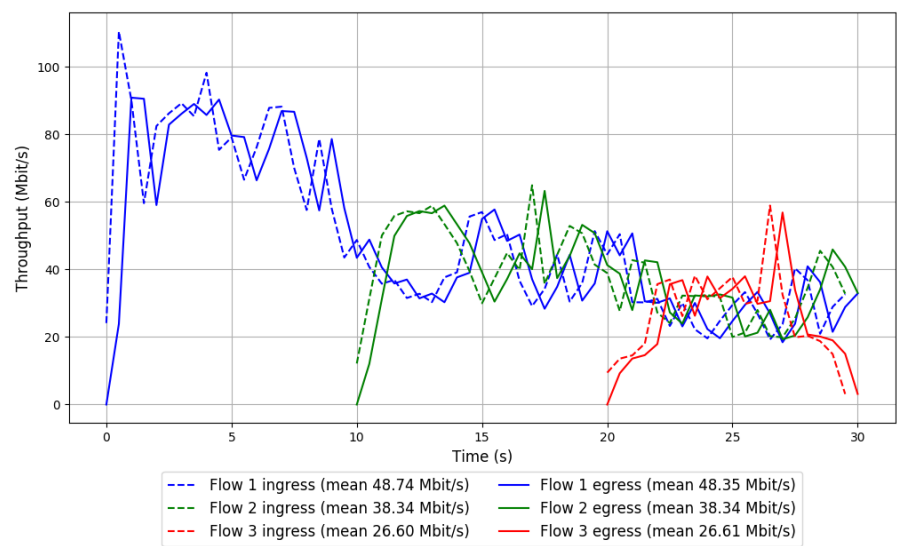
Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 04:59:43  
End at: 2018-07-10 05:00:13  
Local clock offset: -2.039 ms  
Remote clock offset: 15.184 ms

# Below is generated by plot.py at 2018-07-10 07:08:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.63 Mbit/s  
95th percentile per-packet one-way delay: 24.247 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 48.35 Mbit/s  
95th percentile per-packet one-way delay: 29.874 ms  
Loss rate: 0.79%  
-- Flow 2:  
Average throughput: 38.34 Mbit/s  
95th percentile per-packet one-way delay: 16.026 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.61 Mbit/s  
95th percentile per-packet one-way delay: 24.521 ms  
Loss rate: 0.00%



Run 5: Report of PCC-Expr — Data Link

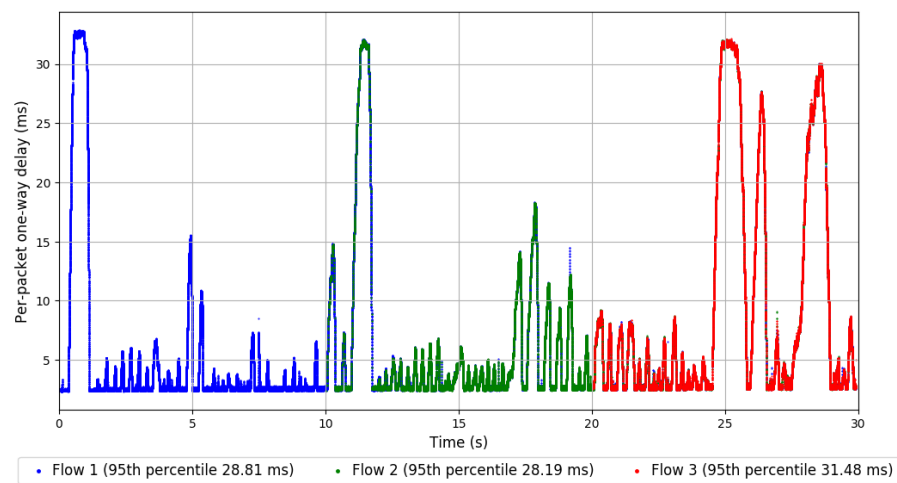
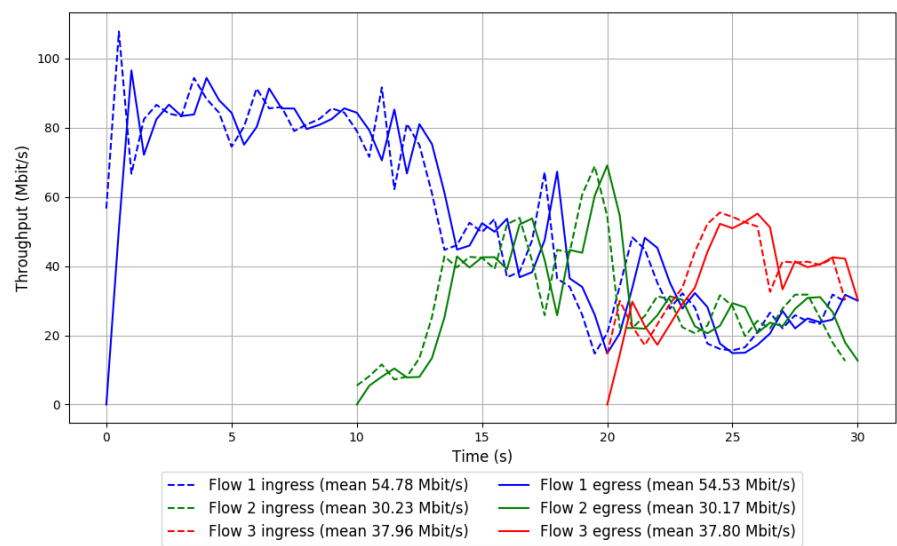


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 05:18:55  
End at: 2018-07-10 05:19:25  
Local clock offset: -1.91 ms  
Remote clock offset: -1.524 ms

# Below is generated by plot.py at 2018-07-10 07:08:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.07 Mbit/s  
95th percentile per-packet one-way delay: 29.613 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 54.53 Mbit/s  
95th percentile per-packet one-way delay: 28.810 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 30.17 Mbit/s  
95th percentile per-packet one-way delay: 28.191 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 37.80 Mbit/s  
95th percentile per-packet one-way delay: 31.476 ms  
Loss rate: 0.40%

Run 6: Report of PCC-Expr — Data Link

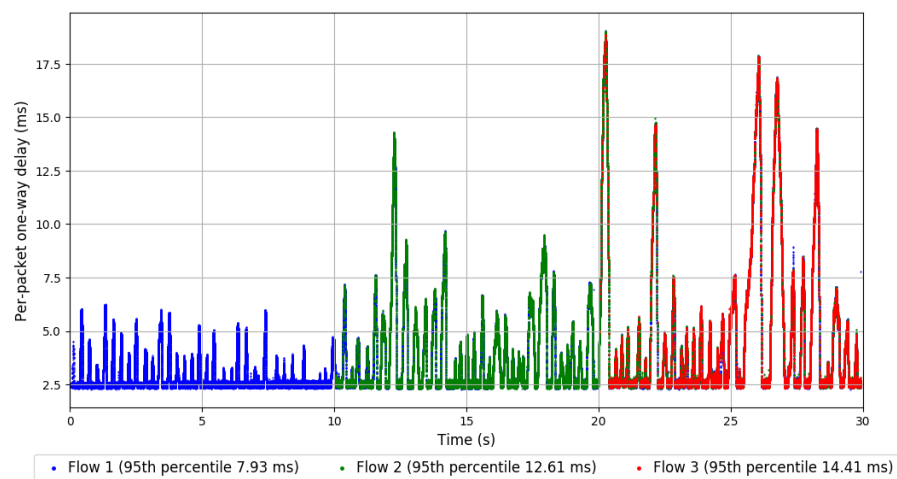
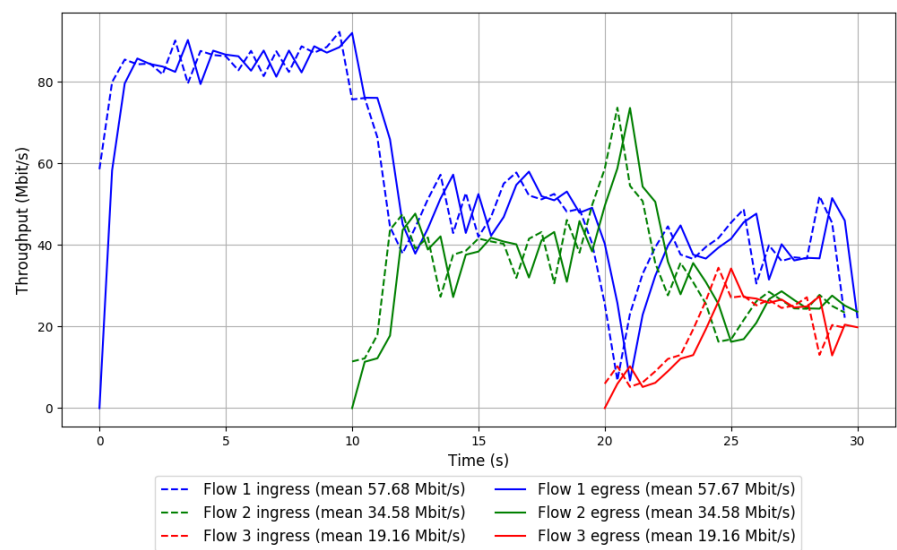


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 05:38:11  
End at: 2018-07-10 05:38:41  
Local clock offset: -1.73 ms  
Remote clock offset: -4.024 ms

# Below is generated by plot.py at 2018-07-10 07:09:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.00 Mbit/s  
95th percentile per-packet one-way delay: 10.230 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.67 Mbit/s  
95th percentile per-packet one-way delay: 7.929 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.58 Mbit/s  
95th percentile per-packet one-way delay: 12.605 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 19.16 Mbit/s  
95th percentile per-packet one-way delay: 14.413 ms  
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

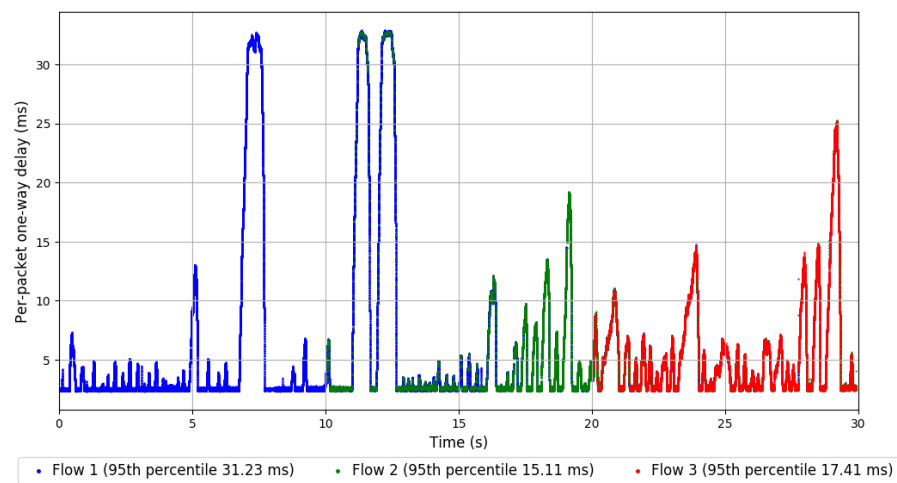
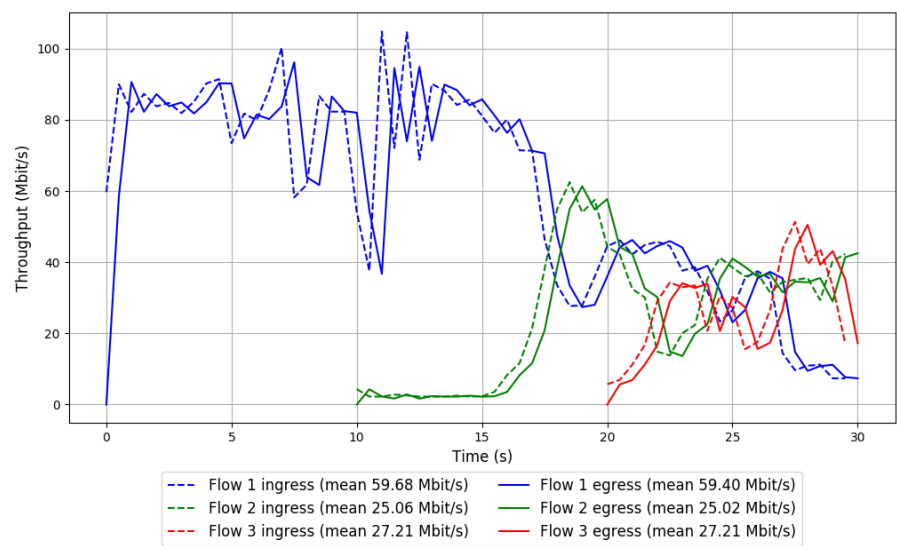


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 05:57:24  
End at: 2018-07-10 05:57:54  
Local clock offset: -1.641 ms  
Remote clock offset: -6.707 ms

# Below is generated by plot.py at 2018-07-10 07:09:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.02 Mbit/s  
95th percentile per-packet one-way delay: 25.233 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 59.40 Mbit/s  
95th percentile per-packet one-way delay: 31.231 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 25.02 Mbit/s  
95th percentile per-packet one-way delay: 15.110 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 17.409 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 06:16:35

End at: 2018-07-10 06:17:05

Local clock offset: -1.439 ms

Remote clock offset: -8.86 ms

# Below is generated by plot.py at 2018-07-10 07:10:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.69 Mbit/s

95th percentile per-packet one-way delay: 11.693 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 51.93 Mbit/s

95th percentile per-packet one-way delay: 9.410 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 12.496 ms

Loss rate: 0.01%

-- Flow 3:

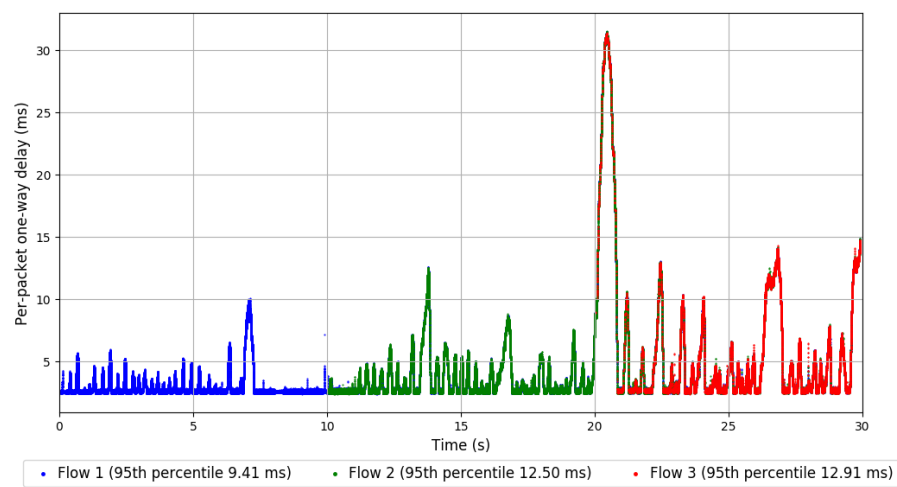
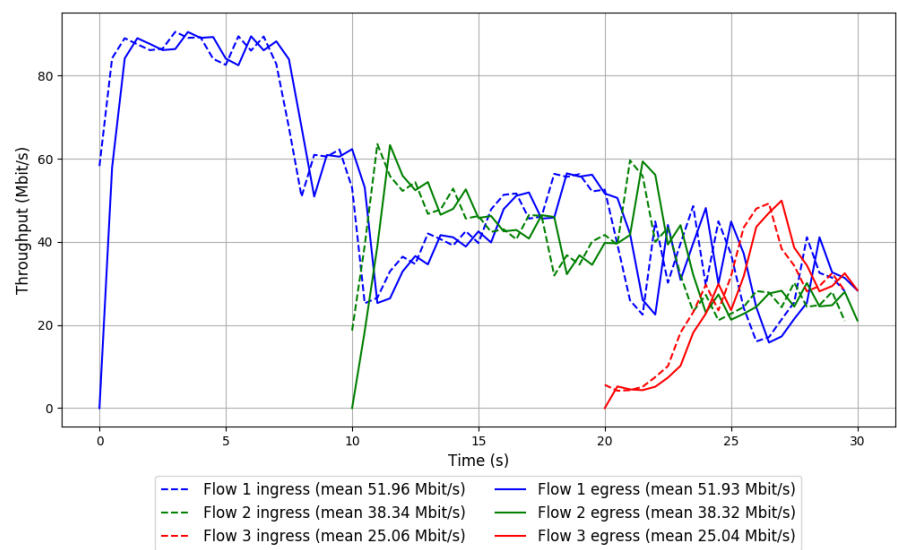
Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 12.908 ms

Loss rate: 0.01%



Run 9: Report of PCC-Expr — Data Link

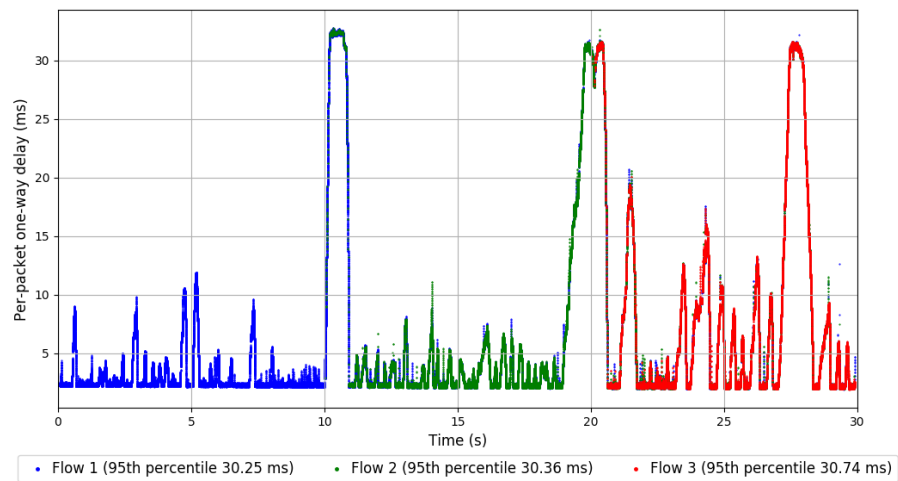
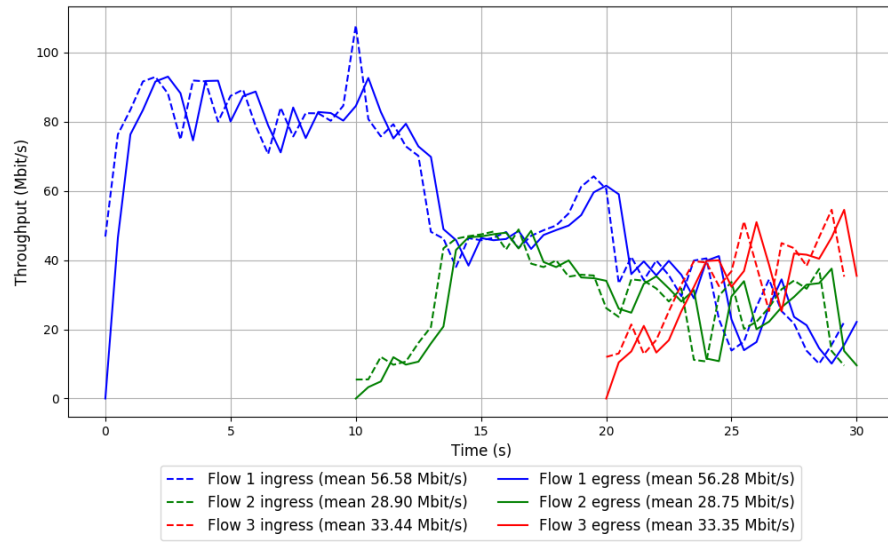


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 06:35:46  
End at: 2018-07-10 06:36:16  
Local clock offset: -1.255 ms  
Remote clock offset: -11.526 ms

# Below is generated by plot.py at 2018-07-10 07:10:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.38 Mbit/s  
95th percentile per-packet one-way delay: 30.393 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 56.28 Mbit/s  
95th percentile per-packet one-way delay: 30.252 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 28.75 Mbit/s  
95th percentile per-packet one-way delay: 30.360 ms  
Loss rate: 0.54%  
-- Flow 3:  
Average throughput: 33.35 Mbit/s  
95th percentile per-packet one-way delay: 30.744 ms  
Loss rate: 0.56%

# Run 10: Report of PCC-Expr — Data Link

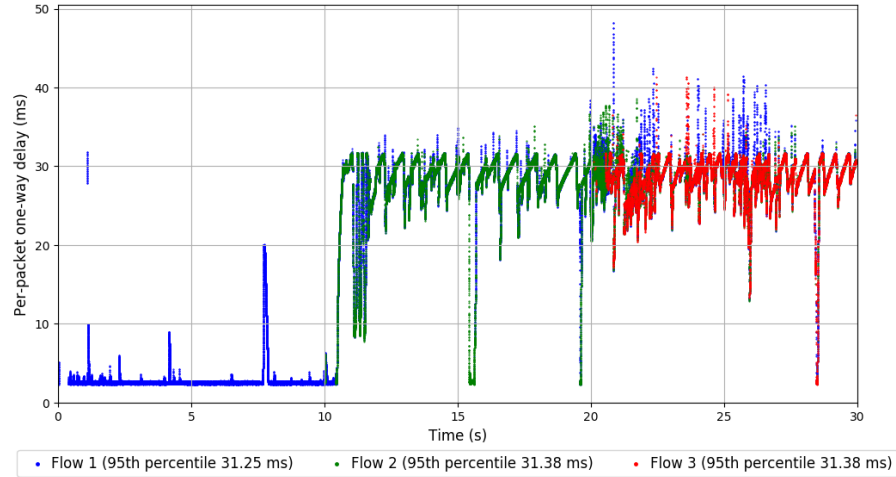
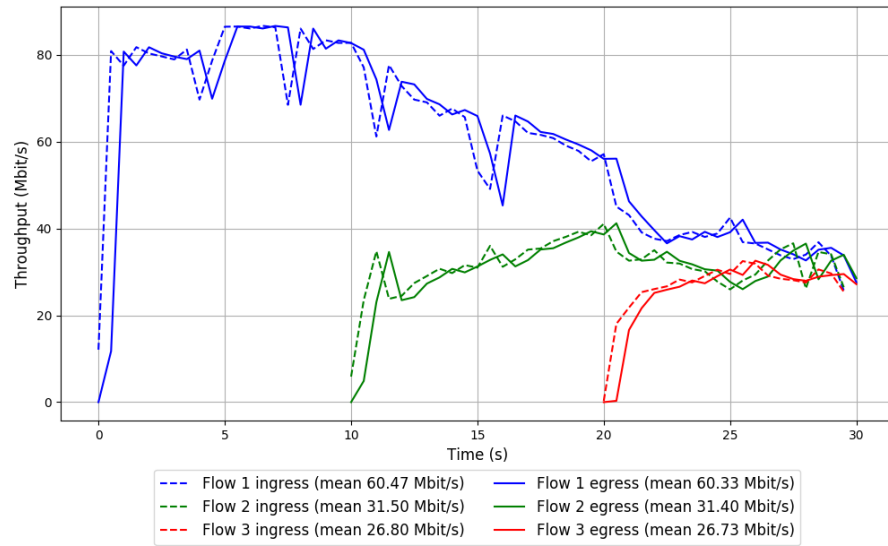


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 03:44:05  
End at: 2018-07-10 03:44:35  
Local clock offset: -2.265 ms  
Remote clock offset: -7.224 ms

# Below is generated by plot.py at 2018-07-10 07:10:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.99 Mbit/s  
95th percentile per-packet one-way delay: 31.306 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 60.33 Mbit/s  
95th percentile per-packet one-way delay: 31.253 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 31.40 Mbit/s  
95th percentile per-packet one-way delay: 31.384 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 26.73 Mbit/s  
95th percentile per-packet one-way delay: 31.384 ms  
Loss rate: 0.22%

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

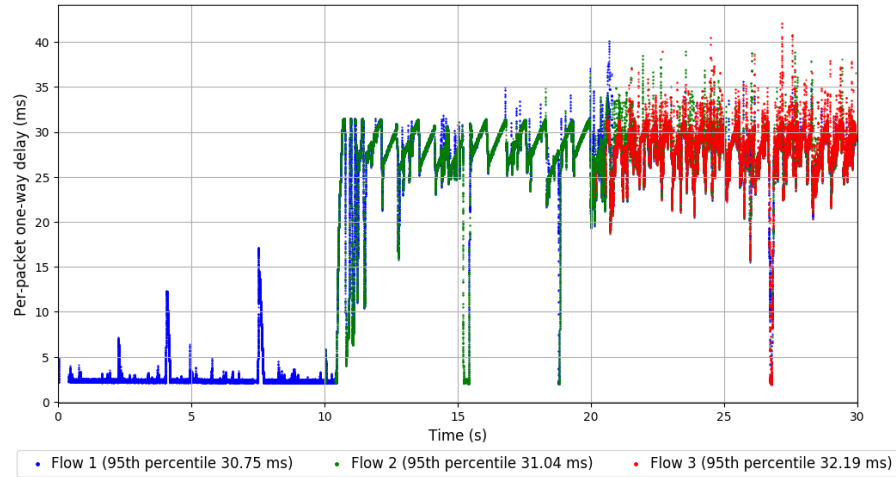
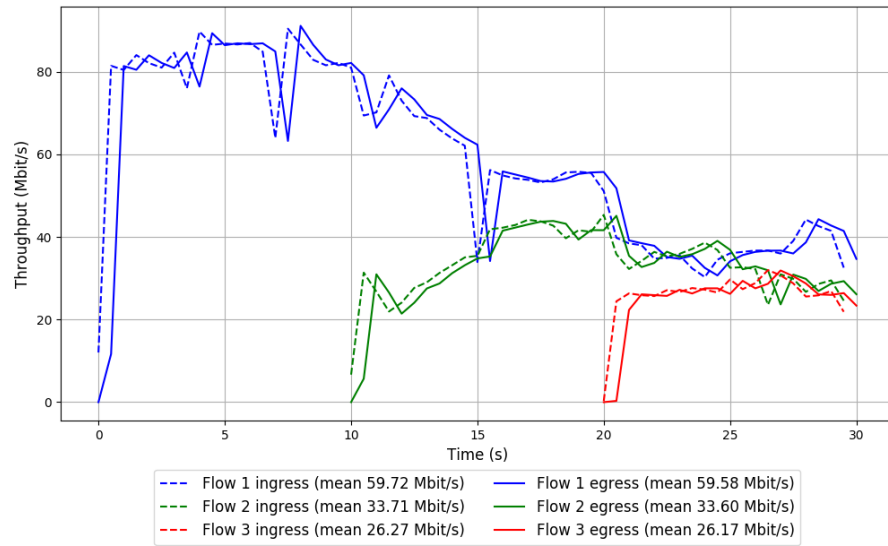


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 04:03:17  
End at: 2018-07-10 04:03:47  
Local clock offset: -2.299 ms  
Remote clock offset: 14.283 ms

# Below is generated by plot.py at 2018-07-10 07:10:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.51 Mbit/s  
95th percentile per-packet one-way delay: 30.950 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 59.58 Mbit/s  
95th percentile per-packet one-way delay: 30.751 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 33.60 Mbit/s  
95th percentile per-packet one-way delay: 31.037 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 26.17 Mbit/s  
95th percentile per-packet one-way delay: 32.191 ms  
Loss rate: 0.30%

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



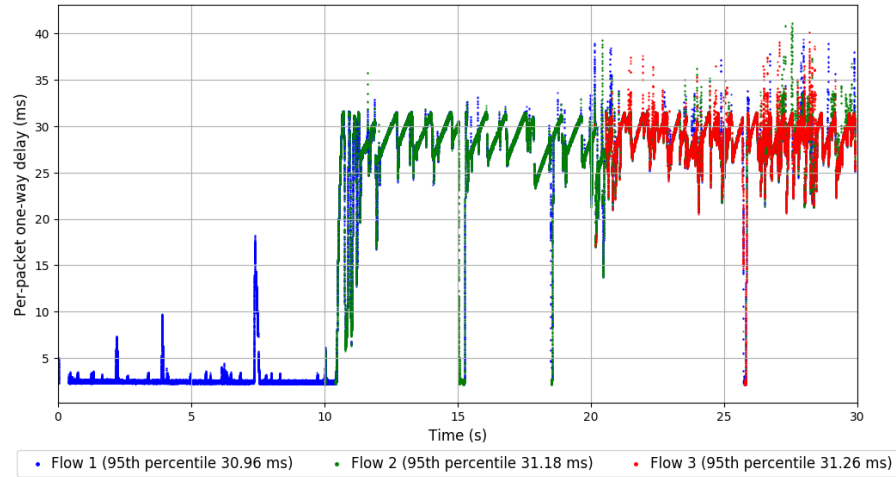
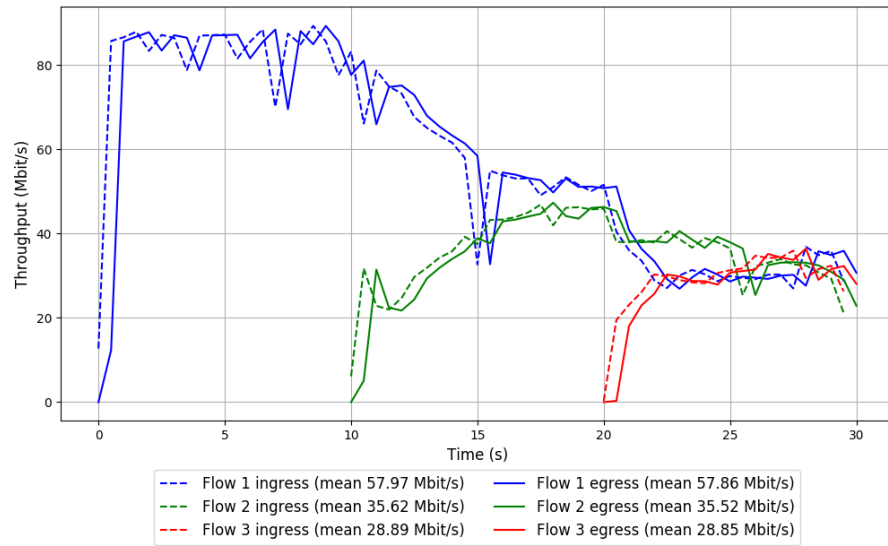
Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 04:22:29  
End at: 2018-07-10 04:22:59  
Local clock offset: -2.13 ms  
Remote clock offset: 22.939 ms

# Below is generated by plot.py at 2018-07-10 07:10:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.98 Mbit/s  
95th percentile per-packet one-way delay: 31.097 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 57.86 Mbit/s  
95th percentile per-packet one-way delay: 30.960 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 35.52 Mbit/s  
95th percentile per-packet one-way delay: 31.177 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 28.85 Mbit/s  
95th percentile per-packet one-way delay: 31.263 ms  
Loss rate: 0.15%



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

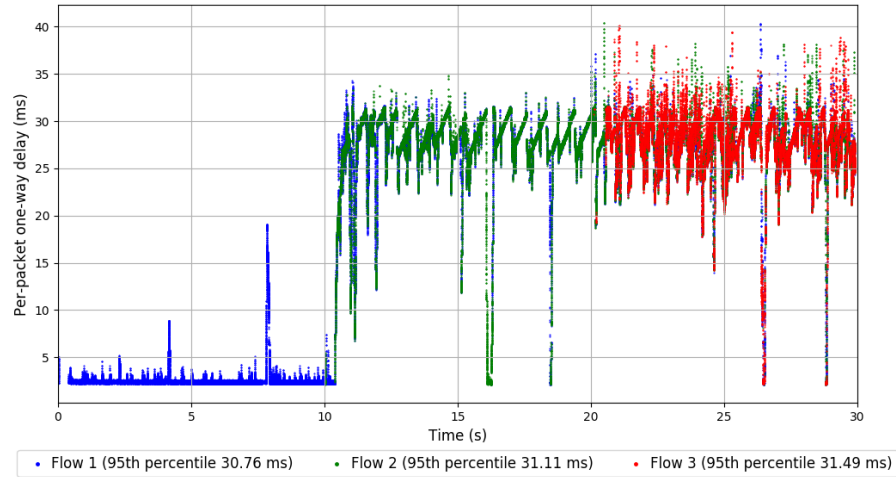
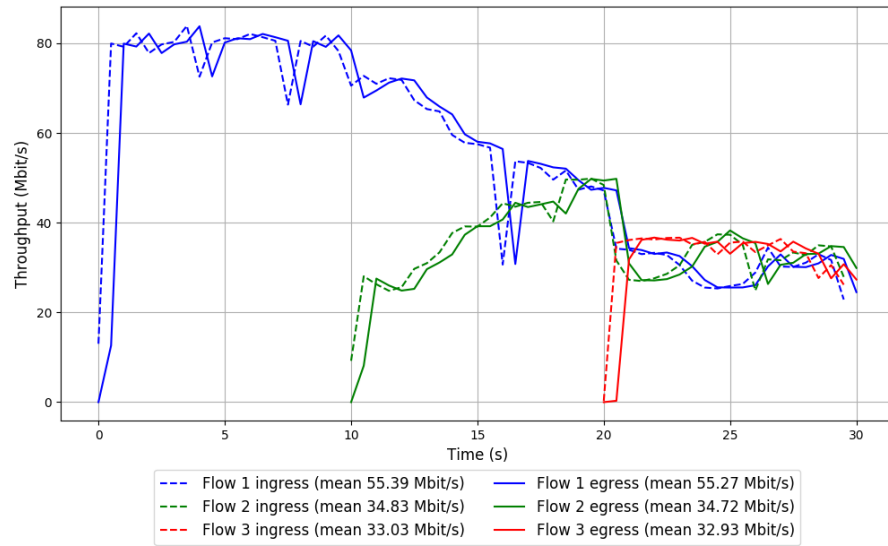


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 04:41:41  
End at: 2018-07-10 04:42:11  
Local clock offset: -2.098 ms  
Remote clock offset: 29.881 ms

# Below is generated by plot.py at 2018-07-10 07:10:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.18 Mbit/s  
95th percentile per-packet one-way delay: 30.993 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 55.27 Mbit/s  
95th percentile per-packet one-way delay: 30.759 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 34.72 Mbit/s  
95th percentile per-packet one-way delay: 31.110 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 32.93 Mbit/s  
95th percentile per-packet one-way delay: 31.489 ms  
Loss rate: 0.34%

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

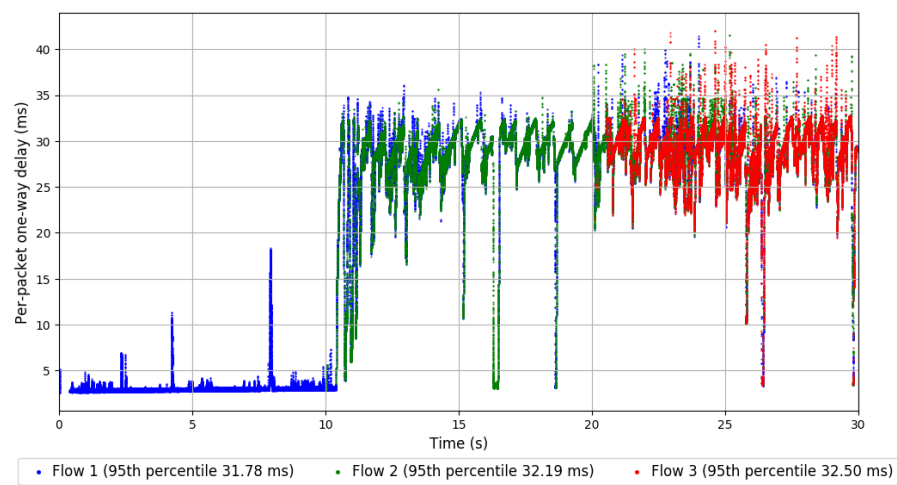
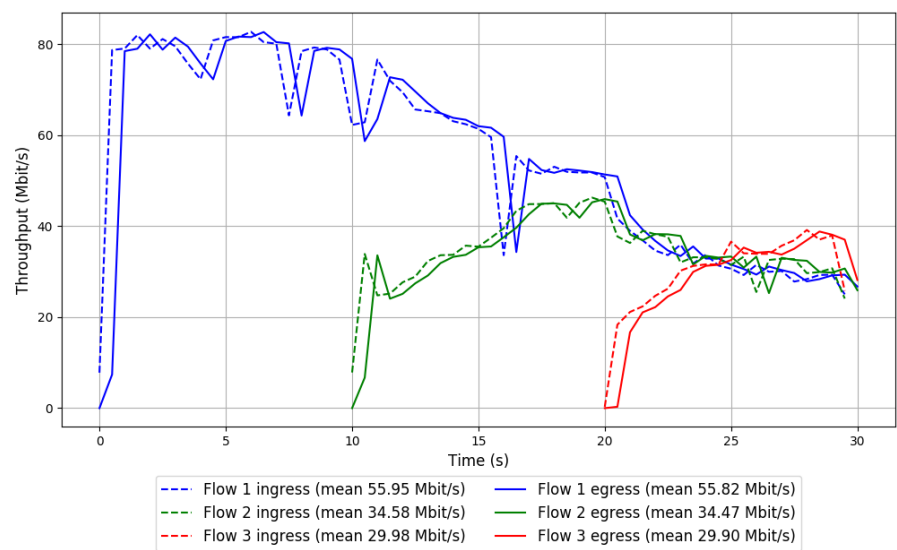


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 05:00:53  
End at: 2018-07-10 05:01:23  
Local clock offset: -2.036 ms  
Remote clock offset: 13.365 ms

# Below is generated by plot.py at 2018-07-10 07:10:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.57 Mbit/s  
95th percentile per-packet one-way delay: 32.015 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 55.82 Mbit/s  
95th percentile per-packet one-way delay: 31.777 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 34.47 Mbit/s  
95th percentile per-packet one-way delay: 32.185 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 29.90 Mbit/s  
95th percentile per-packet one-way delay: 32.499 ms  
Loss rate: 0.18%

Run 5: Report of QUIC Cubic — Data Link

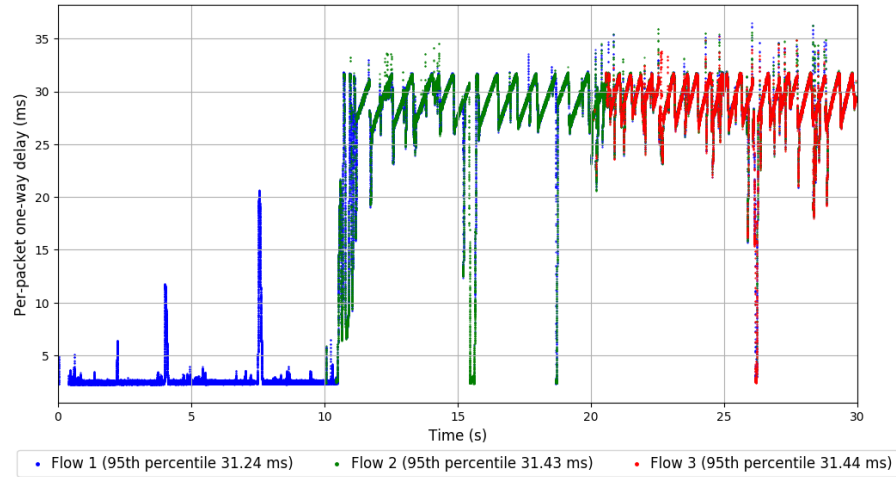
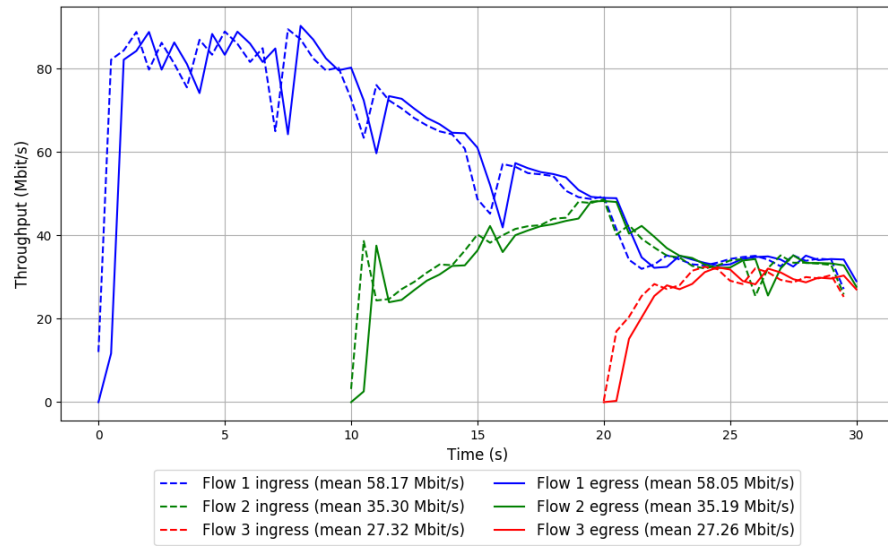


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 05:20:05  
End at: 2018-07-10 05:20:35  
Local clock offset: -1.884 ms  
Remote clock offset: -2.041 ms

# Below is generated by plot.py at 2018-07-10 07:10:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.40 Mbit/s  
95th percentile per-packet one-way delay: 31.324 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 58.05 Mbit/s  
95th percentile per-packet one-way delay: 31.244 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 35.19 Mbit/s  
95th percentile per-packet one-way delay: 31.435 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 27.26 Mbit/s  
95th percentile per-packet one-way delay: 31.441 ms  
Loss rate: 0.19%

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



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 05:39:21

End at: 2018-07-10 05:39:52

Local clock offset: -1.789 ms

Remote clock offset: -4.16 ms

# Below is generated by plot.py at 2018-07-10 07:10:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 31.396 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 31.313 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 31.486 ms

Loss rate: 0.21%

-- Flow 3:

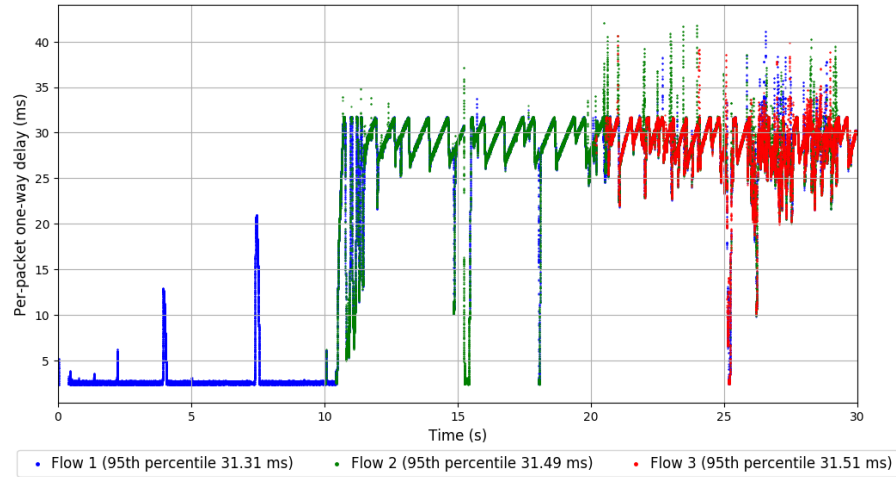
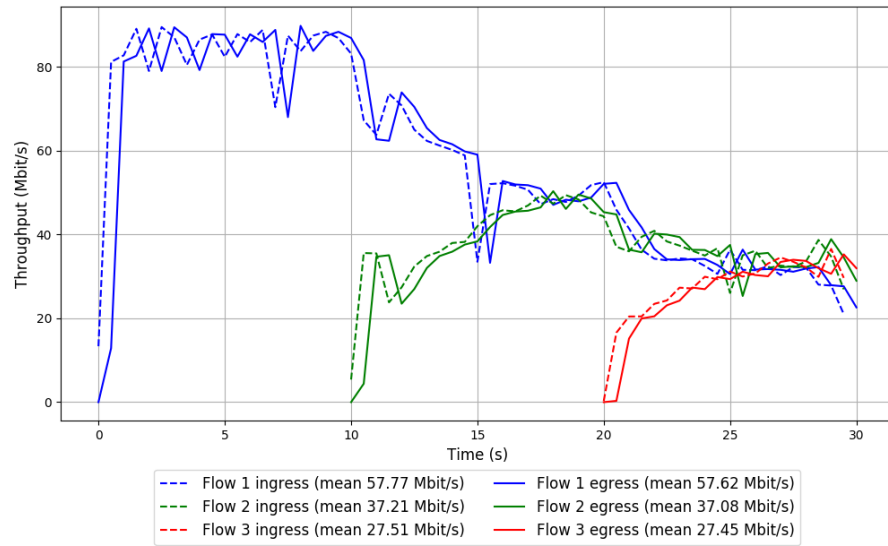
Average throughput: 27.45 Mbit/s

95th percentile per-packet one-way delay: 31.507 ms

Loss rate: 0.22%



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



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 05:58:34

End at: 2018-07-10 05:59:04

Local clock offset: -1.682 ms

Remote clock offset: -6.87 ms

# Below is generated by plot.py at 2018-07-10 07:11:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 31.421 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 31.349 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 31.511 ms

Loss rate: 0.13%

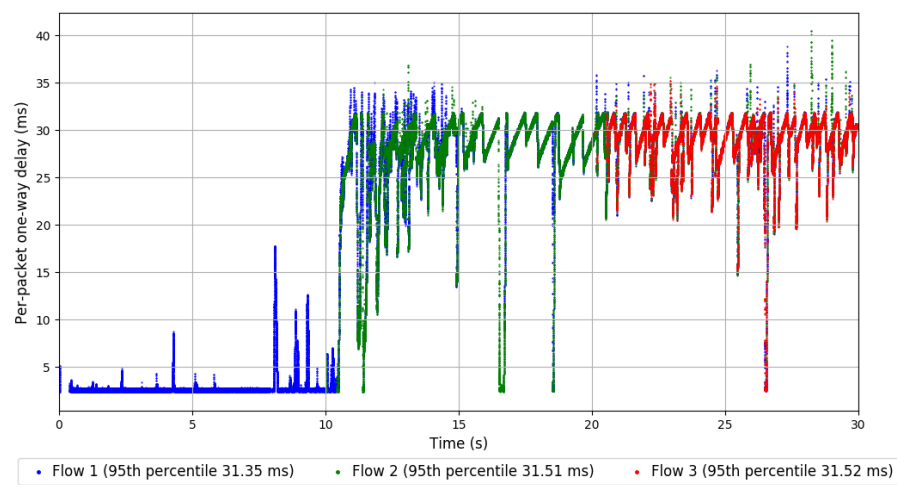
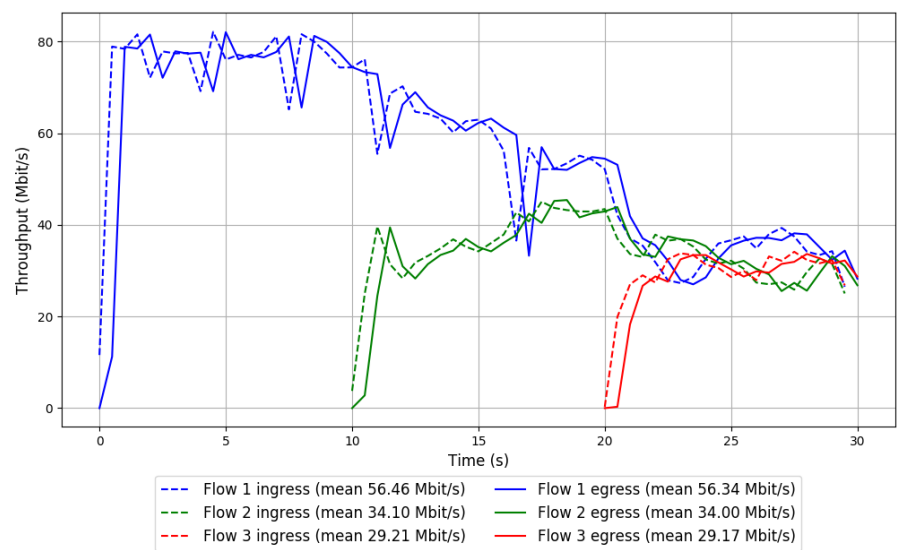
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 31.523 ms

Loss rate: 0.14%

Run 8: Report of QUIC Cubic — Data Link

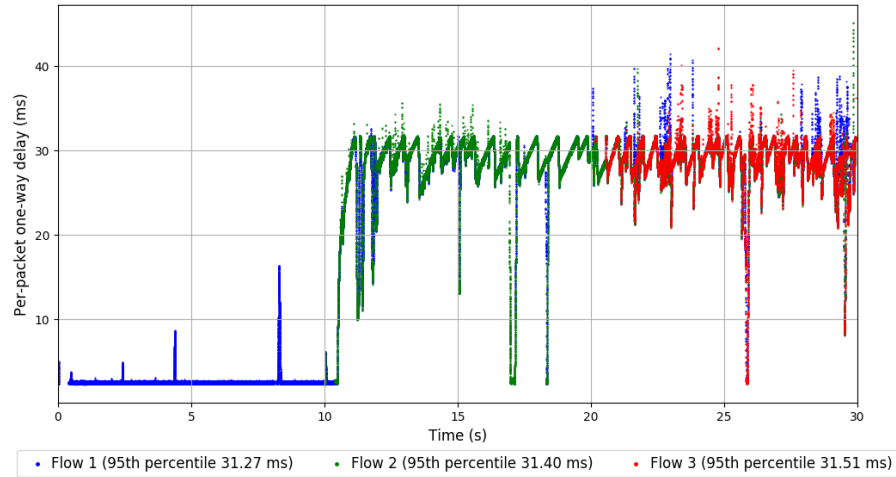
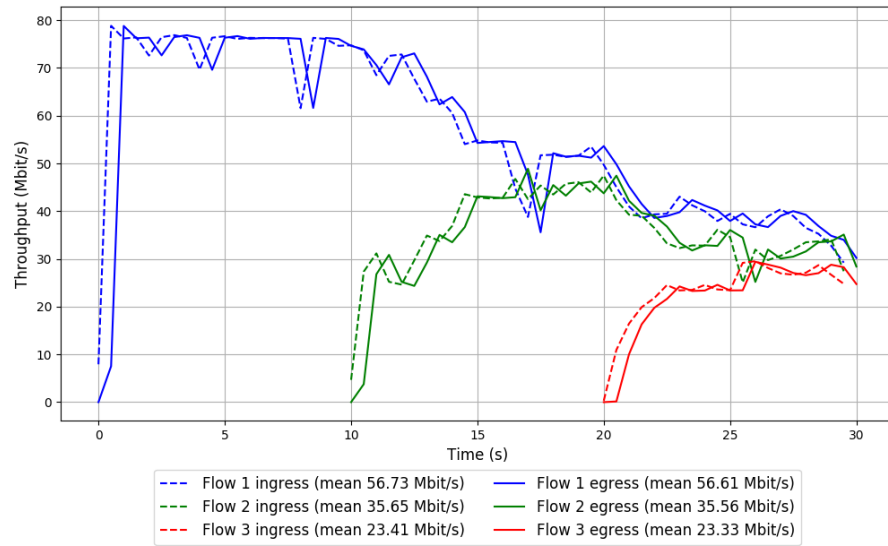


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 06:17:45  
End at: 2018-07-10 06:18:15  
Local clock offset: -1.37 ms  
Remote clock offset: -9.042 ms

# Below is generated by plot.py at 2018-07-10 07:11:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.93 Mbit/s  
95th percentile per-packet one-way delay: 31.338 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 56.61 Mbit/s  
95th percentile per-packet one-way delay: 31.275 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 35.56 Mbit/s  
95th percentile per-packet one-way delay: 31.403 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 23.33 Mbit/s  
95th percentile per-packet one-way delay: 31.512 ms  
Loss rate: 0.25%

# Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 06:36:56

End at: 2018-07-10 06:37:26

Local clock offset: -1.25 ms

Remote clock offset: -10.935 ms

# Below is generated by plot.py at 2018-07-10 07:11:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 31.070 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 31.005 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 31.126 ms

Loss rate: 0.17%

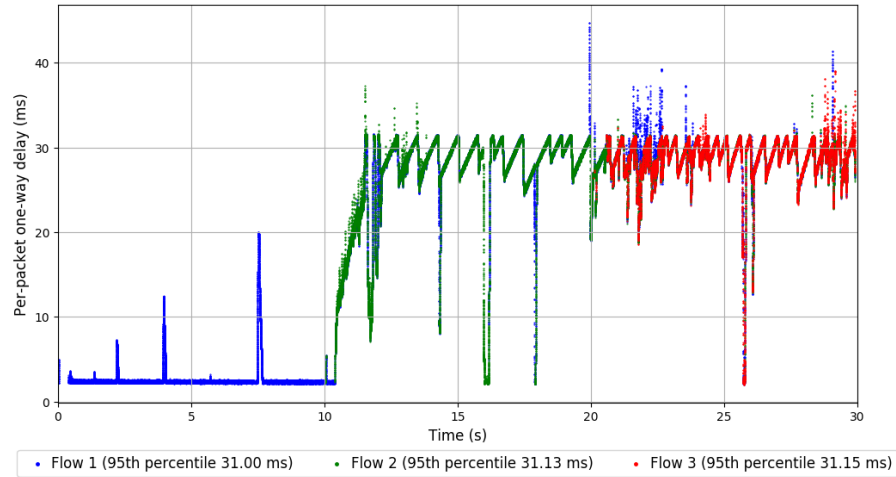
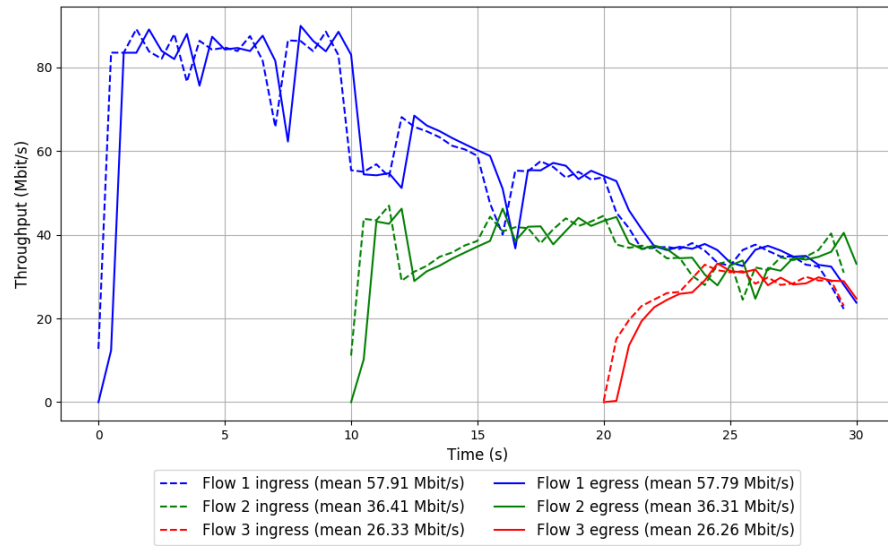
-- Flow 3:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 31.152 ms

Loss rate: 0.27%

# Run 10: Report of QUIC Cubic — Data Link



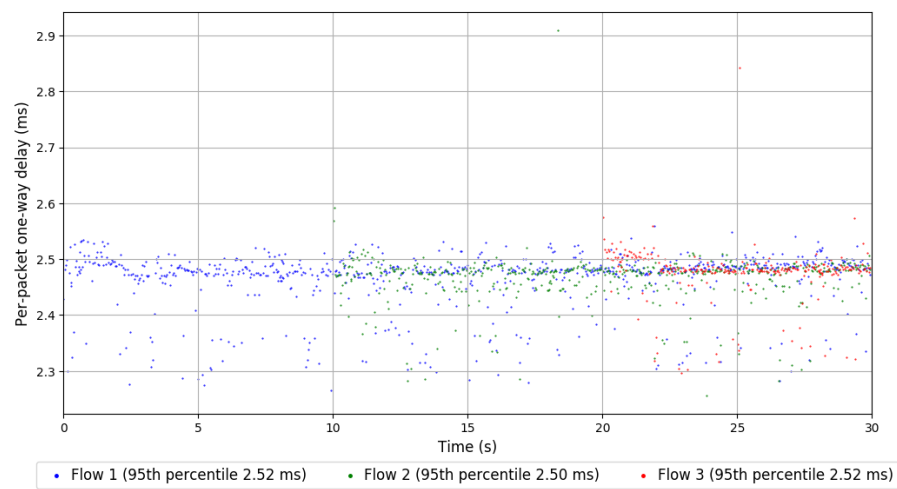
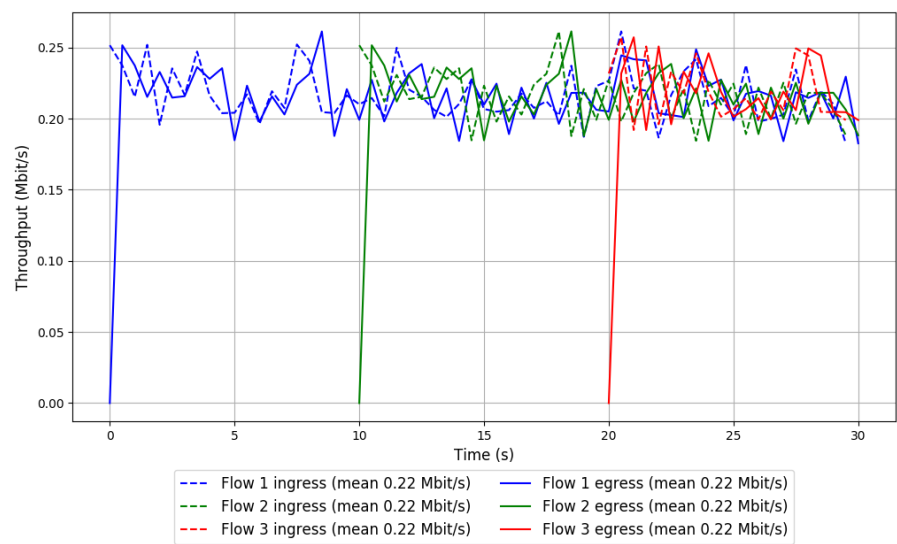
```
Run 1: Statistics of SCReAM

Start at: 2018-07-10 03:41:51
End at: 2018-07-10 03:42:21
Local clock offset: -2.27 ms
Remote clock offset: -7.217 ms

# Below is generated by plot.py at 2018-07-10 07:11:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%
```



Run 1: Report of SReAM — Data Link

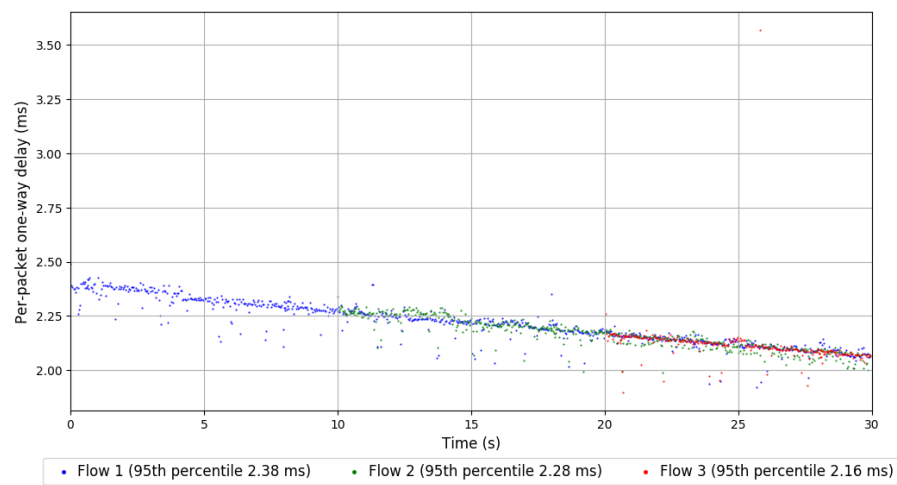
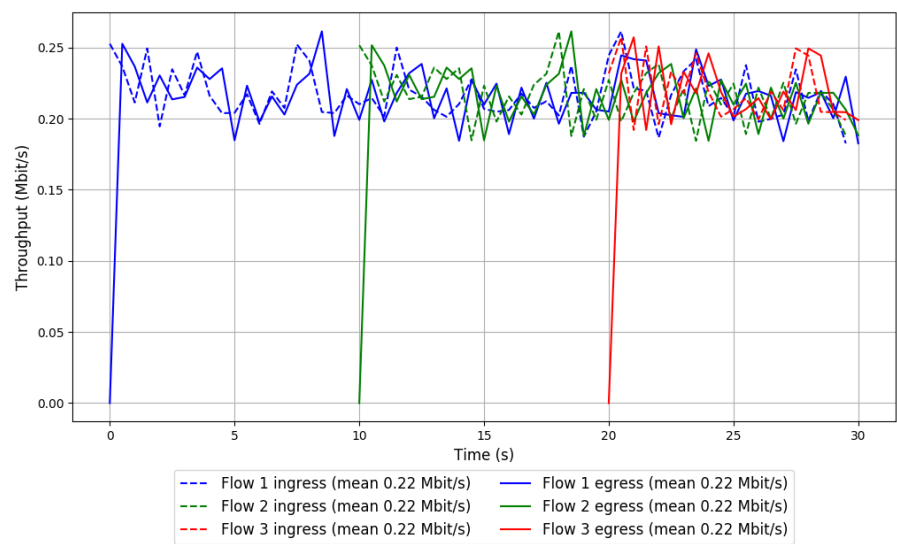


Run 2: Statistics of SReAM

Start at: 2018-07-10 04:01:03  
End at: 2018-07-10 04:01:33  
Local clock offset: -2.34 ms  
Remote clock offset: 12.939 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.365 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.384 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.276 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.164 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

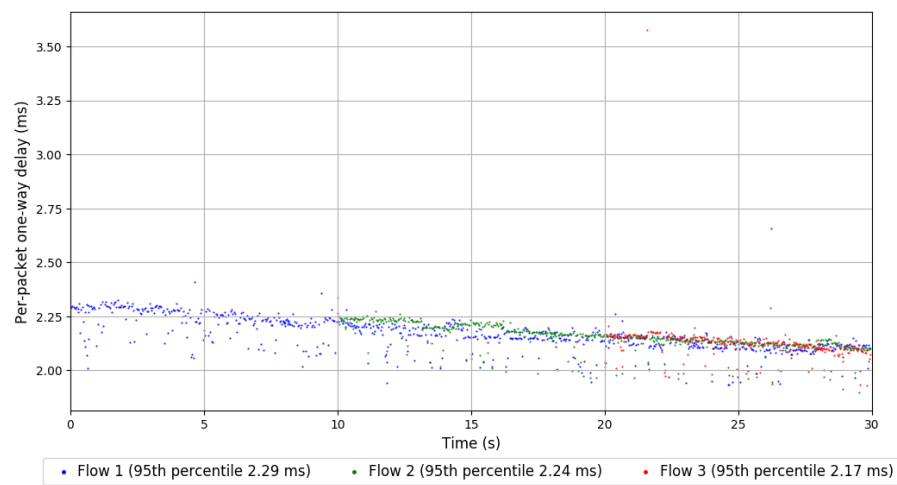
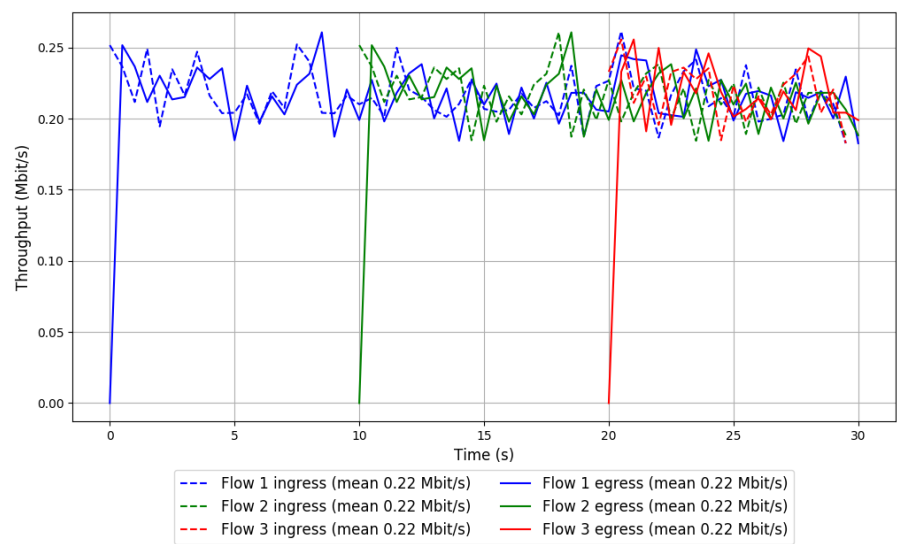


Run 3: Statistics of SReAM

Start at: 2018-07-10 04:20:15  
End at: 2018-07-10 04:20:45  
Local clock offset: -2.13 ms  
Remote clock offset: 21.957 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.280 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.294 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.239 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.174 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

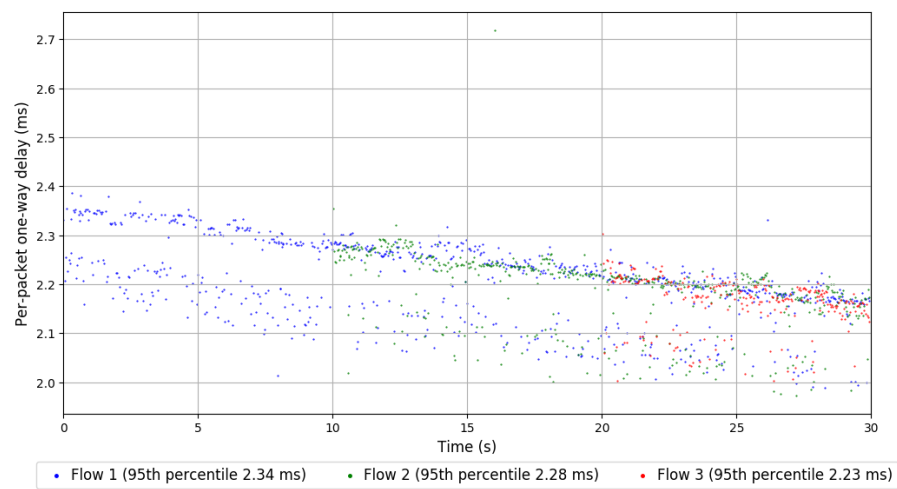
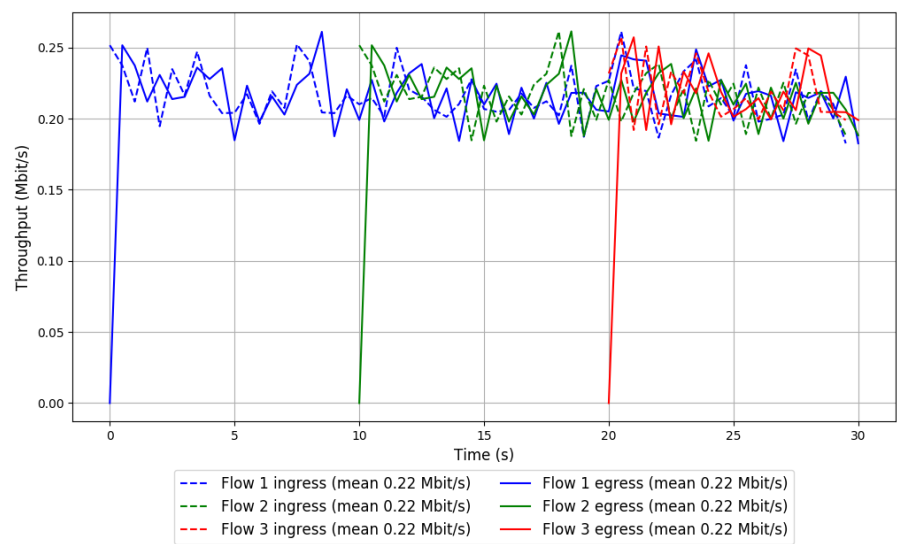


Run 4: Statistics of SReAM

Start at: 2018-07-10 04:39:27  
End at: 2018-07-10 04:39:57  
Local clock offset: -2.04 ms  
Remote clock offset: 29.062 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.320 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.341 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.278 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.231 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



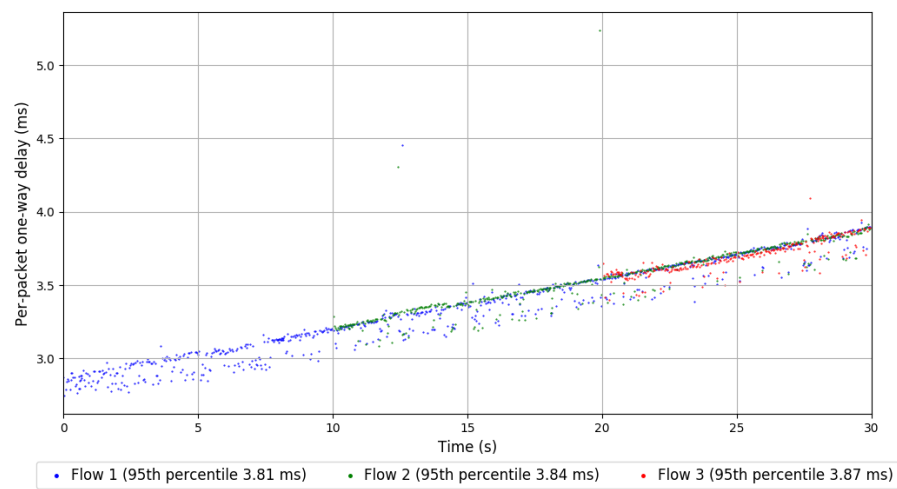
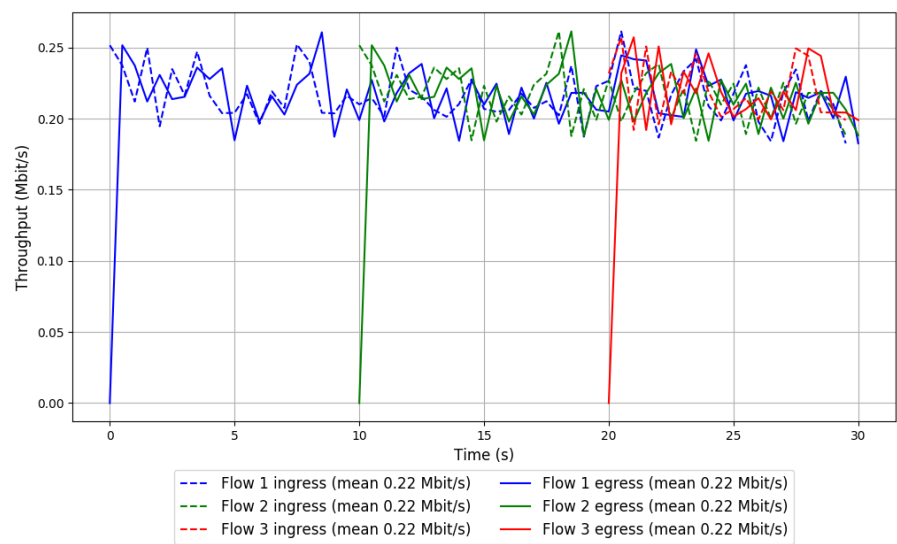
Run 5: Statistics of SReAM

Start at: 2018-07-10 04:58:39  
End at: 2018-07-10 04:59:09  
Local clock offset: -2.017 ms  
Remote clock offset: 17.608 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 3.840 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.811 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.840 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.866 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-10 05:17:51

End at: 2018-07-10 05:18:21

Local clock offset: -1.92 ms

Remote clock offset: -1.06 ms

# Below is generated by plot.py at 2018-07-10 07:11:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.723 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.734 ms

Loss rate: 0.00%

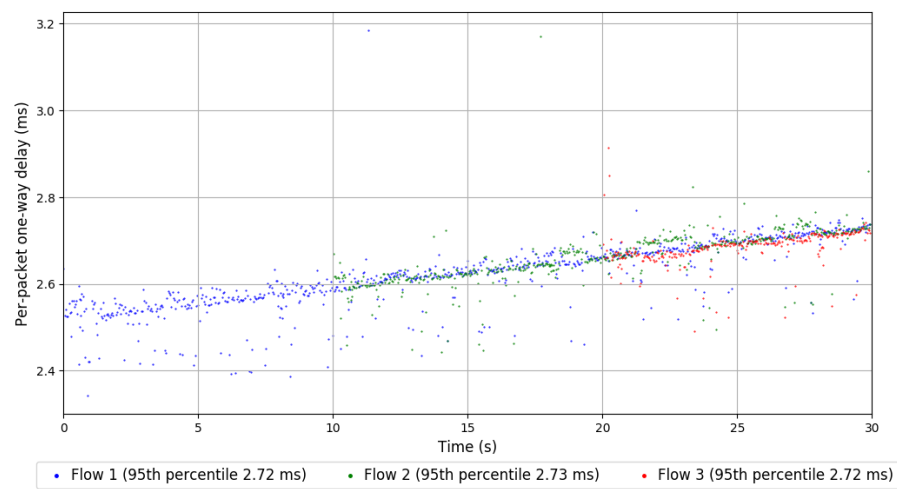
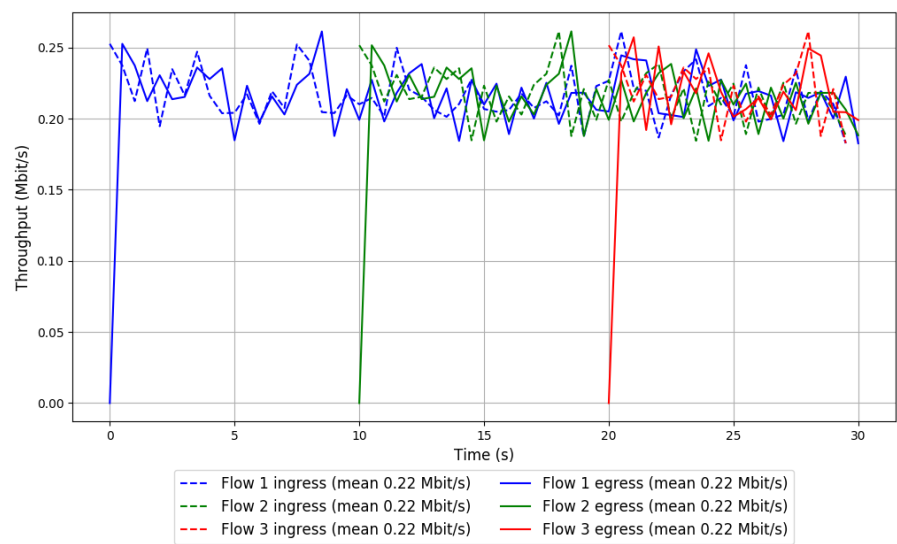
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.723 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

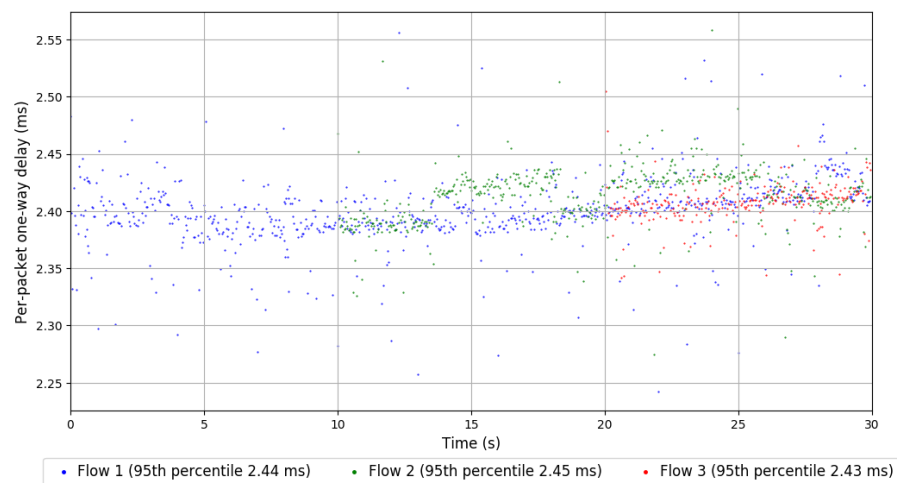
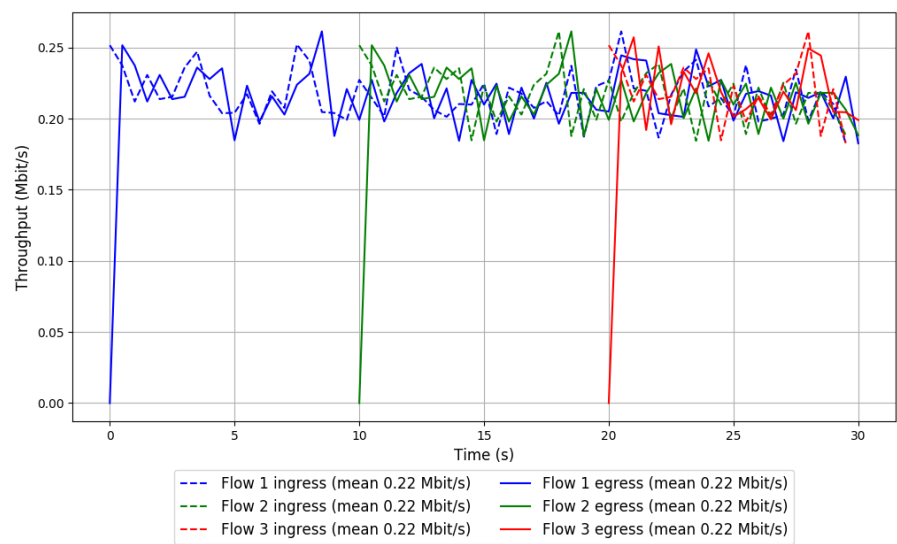


Run 7: Statistics of SReAM

Start at: 2018-07-10 05:37:03  
End at: 2018-07-10 05:37:33  
Local clock offset: -1.722 ms  
Remote clock offset: -4.003 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.441 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.441 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.446 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.432 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

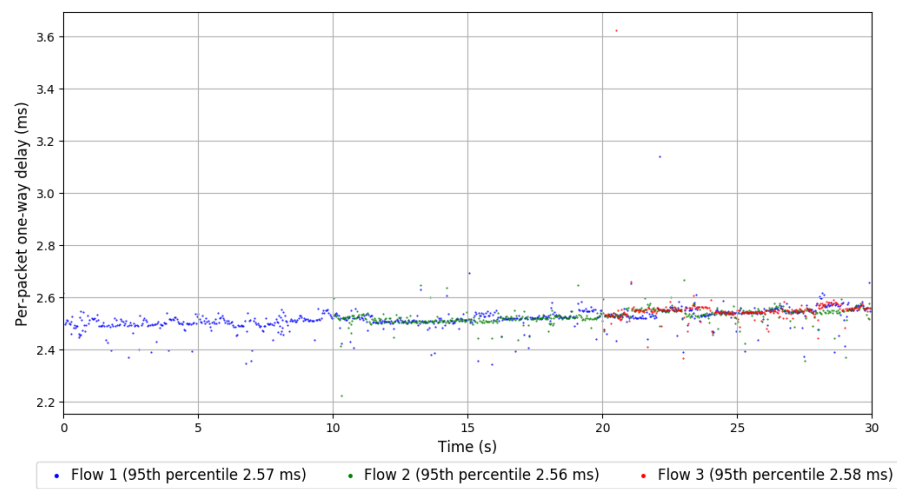
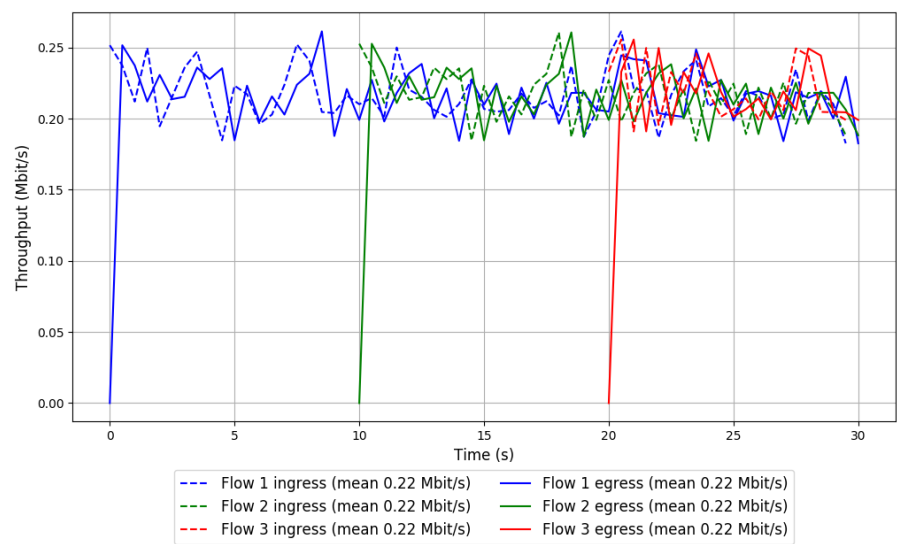


Run 8: Statistics of SReAM

Start at: 2018-07-10 05:56:20  
End at: 2018-07-10 05:56:50  
Local clock offset: -1.634 ms  
Remote clock offset: -6.504 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.571 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.568 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.564 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.578 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



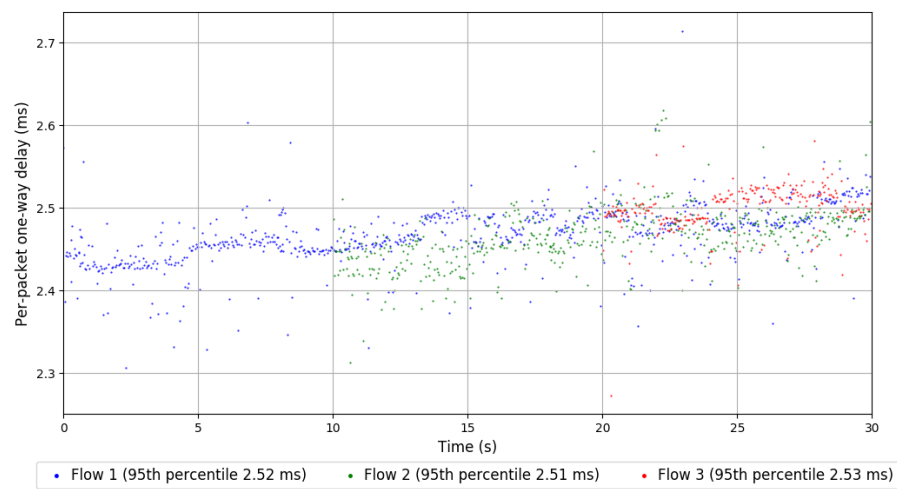
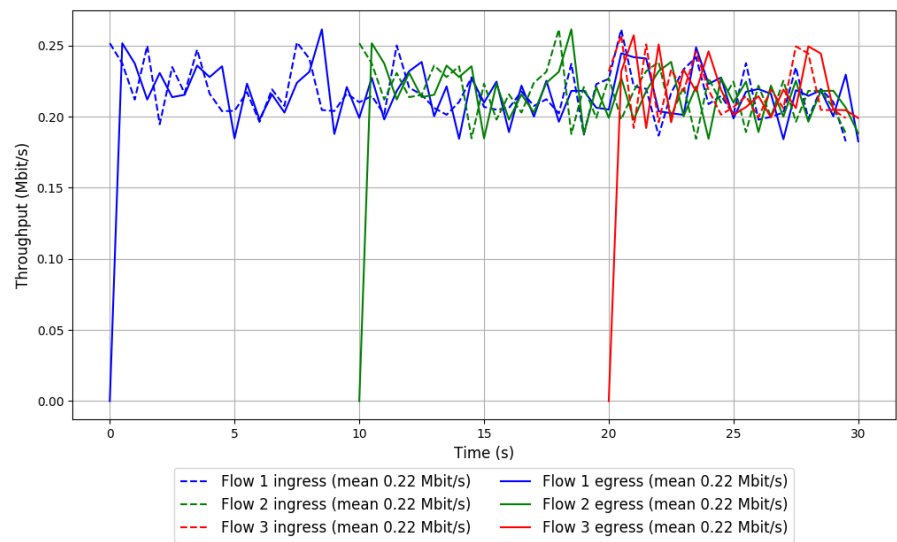
Run 9: Statistics of SReAM

Start at: 2018-07-10 06:15:31  
End at: 2018-07-10 06:16:01  
Local clock offset: -1.392 ms  
Remote clock offset: -8.755 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.522 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.517 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.510 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.530 ms  
Loss rate: 0.00%



Run 9: Report of SReAM — Data Link

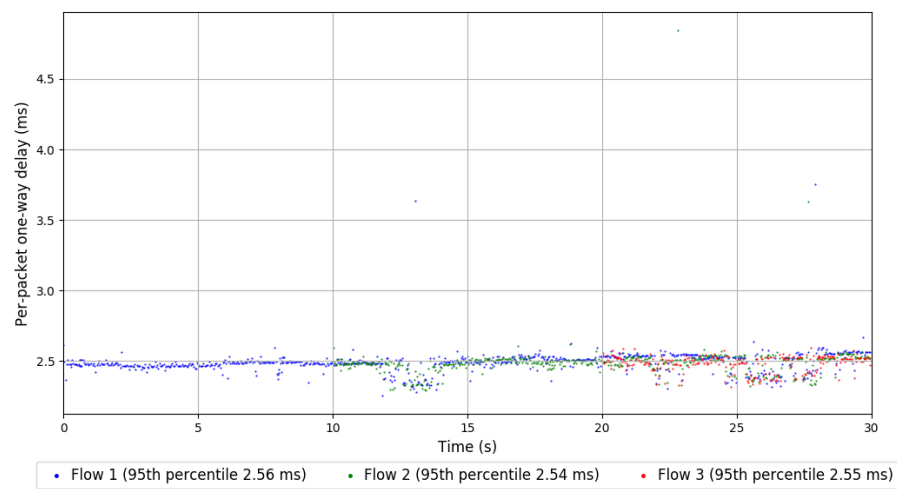
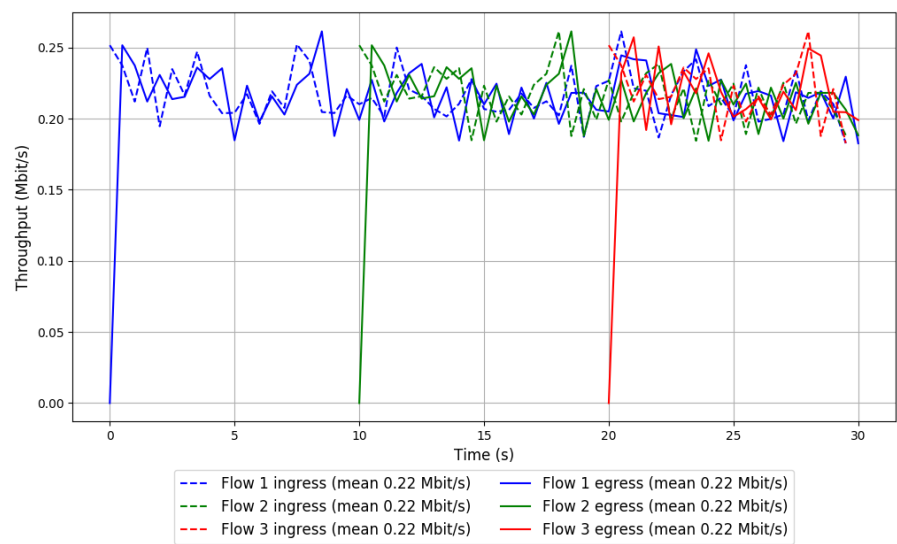


Run 10: Statistics of SReAM

Start at: 2018-07-10 06:34:43  
End at: 2018-07-10 06:35:13  
Local clock offset: -1.193 ms  
Remote clock offset: -11.507 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.554 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.562 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.545 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.548 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-10 03:50:53

End at: 2018-07-10 03:51:23

Local clock offset: -2.248 ms

Remote clock offset: 3.544 ms

# Below is generated by plot.py at 2018-07-10 07:11:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.89 Mbit/s

95th percentile per-packet one-way delay: 16.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 14.206 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 16.613 ms

Loss rate: 0.00%

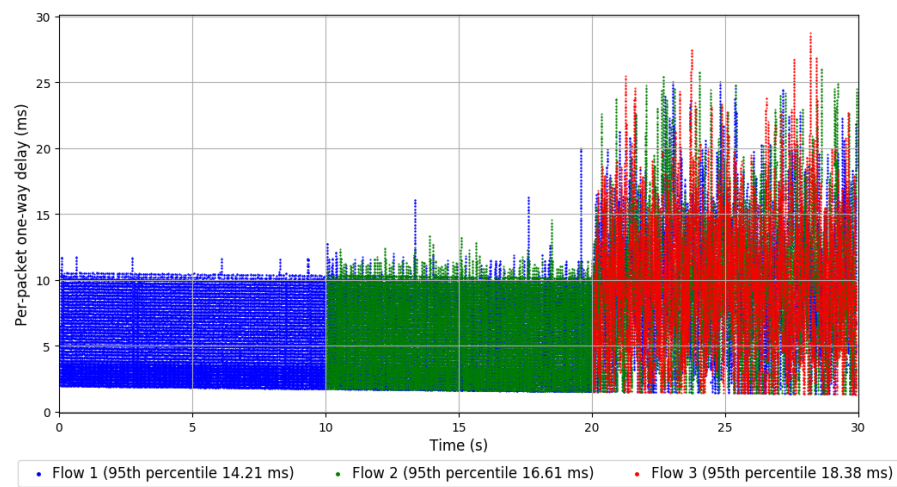
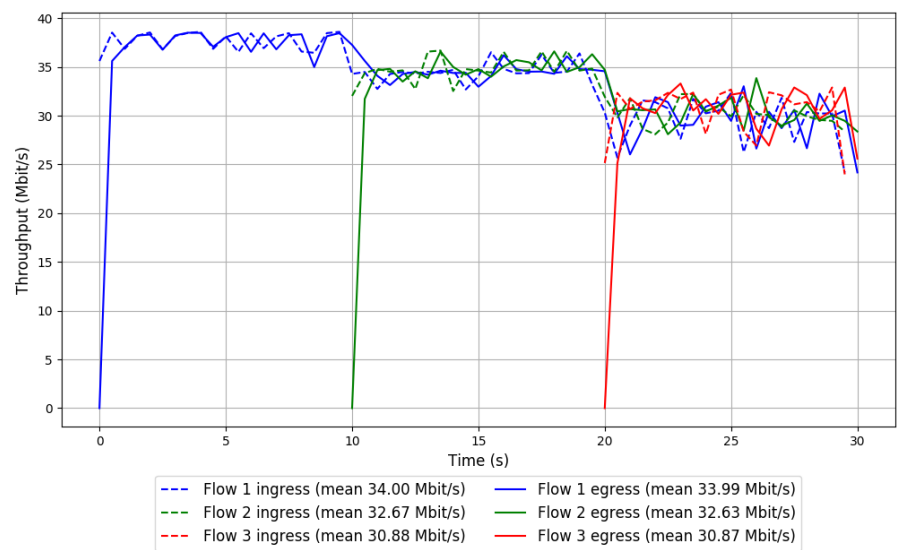
-- Flow 3:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 18.377 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

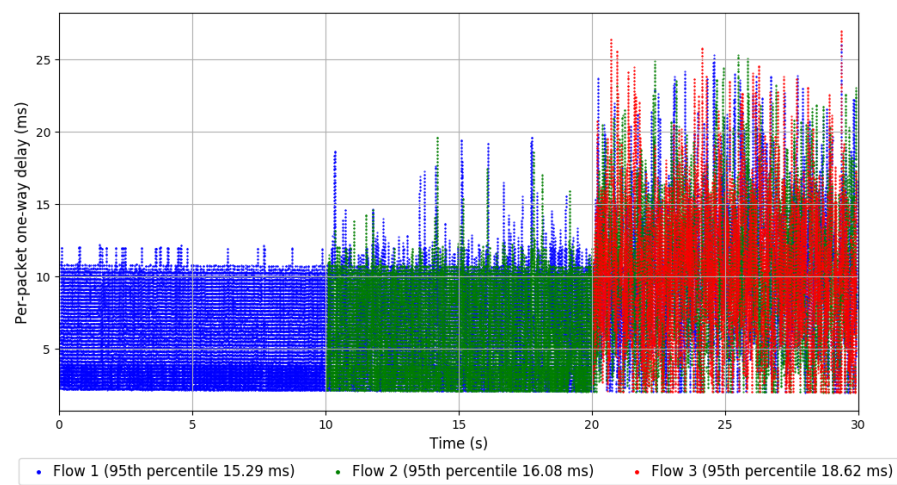
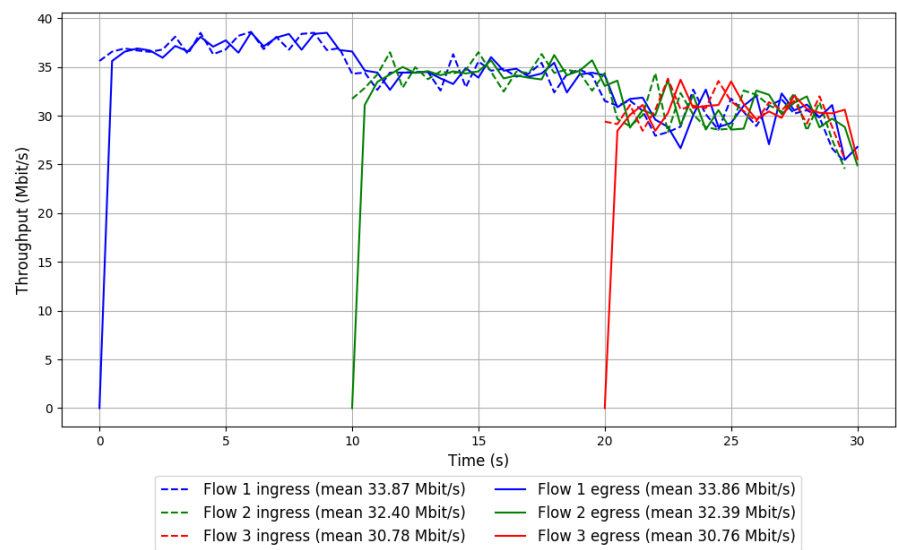


Run 2: Statistics of Sprout

Start at: 2018-07-10 04:10:04  
End at: 2018-07-10 04:10:34  
Local clock offset: -2.199 ms  
Remote clock offset: 17.795 ms

# Below is generated by plot.py at 2018-07-10 07:11:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.57 Mbit/s  
95th percentile per-packet one-way delay: 16.295 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 33.86 Mbit/s  
95th percentile per-packet one-way delay: 15.290 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.39 Mbit/s  
95th percentile per-packet one-way delay: 16.077 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.76 Mbit/s  
95th percentile per-packet one-way delay: 18.622 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



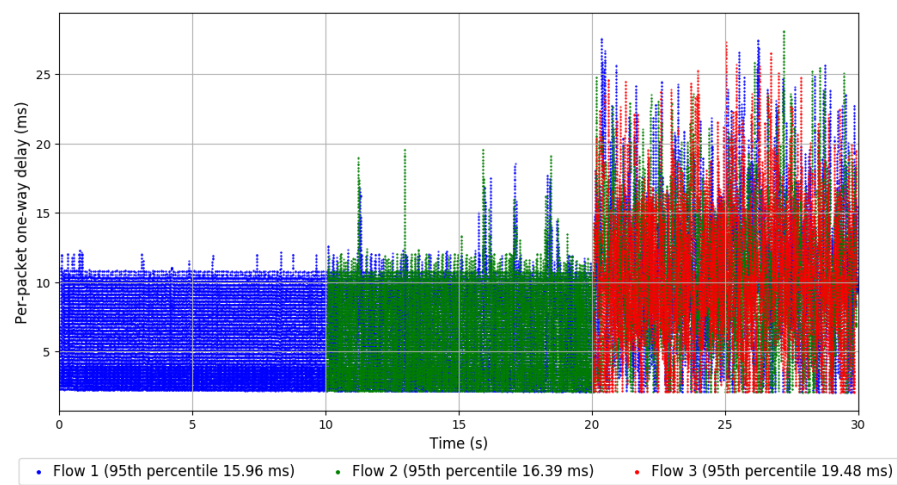
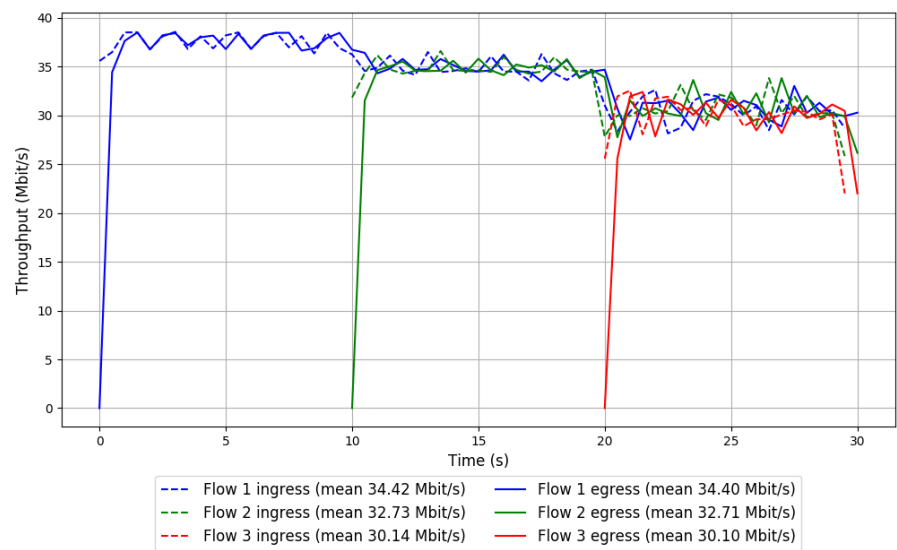
Run 3: Statistics of Sprout

Start at: 2018-07-10 04:29:17  
End at: 2018-07-10 04:29:47  
Local clock offset: -2.11 ms  
Remote clock offset: 25.435 ms

# Below is generated by plot.py at 2018-07-10 07:11:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.11 Mbit/s  
95th percentile per-packet one-way delay: 16.930 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 34.40 Mbit/s  
95th percentile per-packet one-way delay: 15.964 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.71 Mbit/s  
95th percentile per-packet one-way delay: 16.385 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.10 Mbit/s  
95th percentile per-packet one-way delay: 19.482 ms  
Loss rate: 0.00%



Run 3: Report of Sprout — Data Link

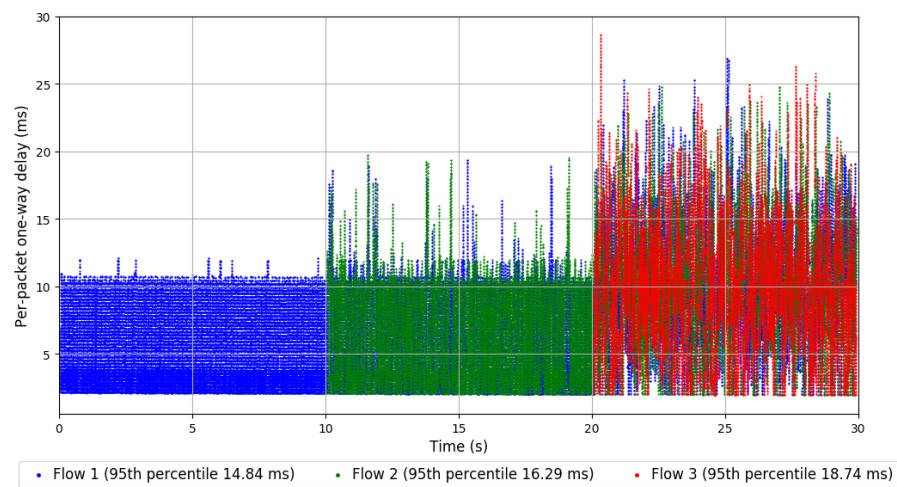
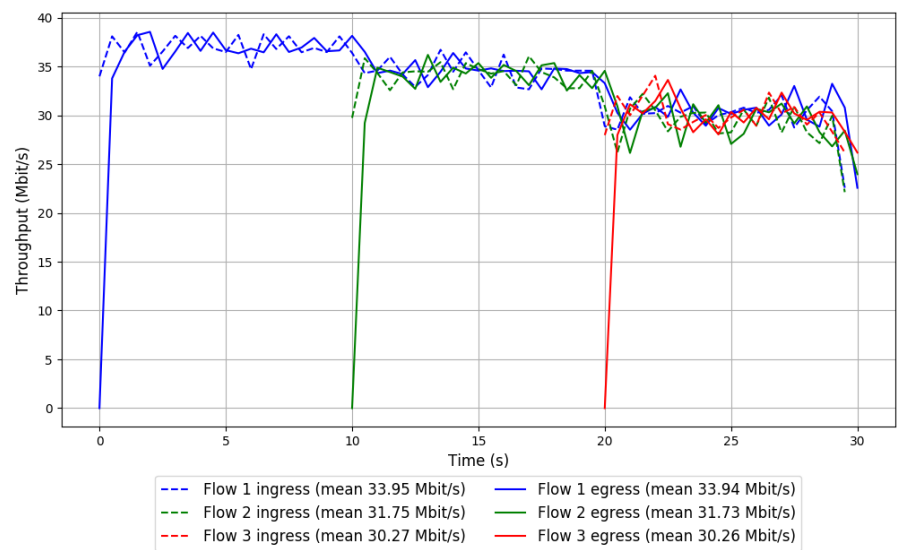


#### Run 4: Statistics of Sprout

Start at: 2018-07-10 04:48:29  
End at: 2018-07-10 04:48:59  
Local clock offset: -2.003 ms  
Remote clock offset: 32.264 ms

```
# Below is generated by plot.py at 2018-07-10 07:11:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 16.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 14.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 16.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 18.737 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

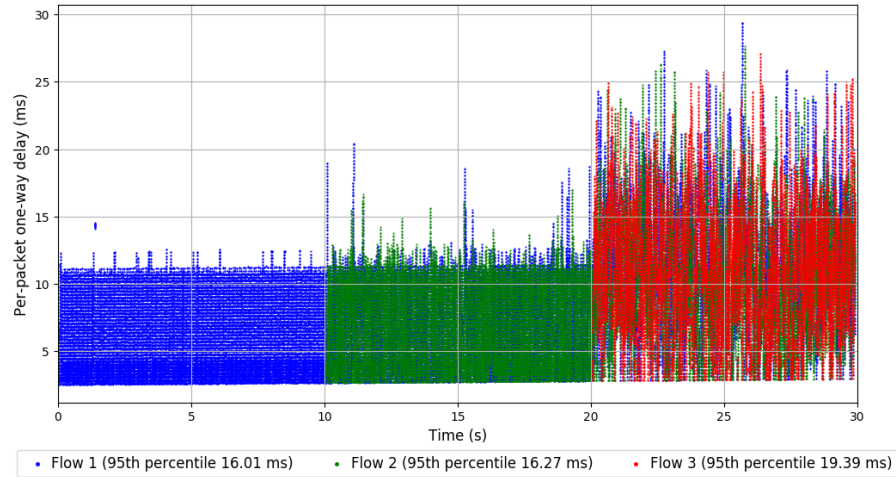
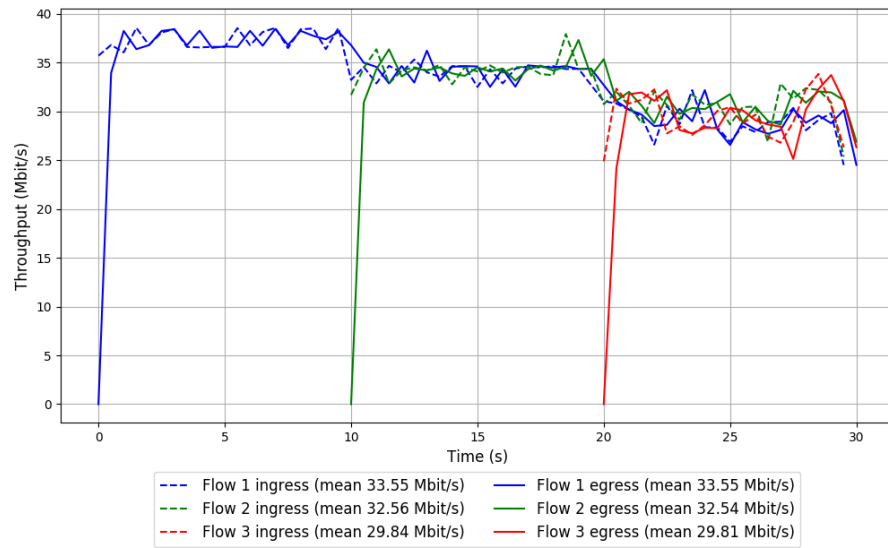


Run 5: Statistics of Sprout

Start at: 2018-07-10 05:07:41  
End at: 2018-07-10 05:08:11  
Local clock offset: -2.071 ms  
Remote clock offset: 5.084 ms

```
# Below is generated by plot.py at 2018-07-10 07:11:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 16.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 16.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 16.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

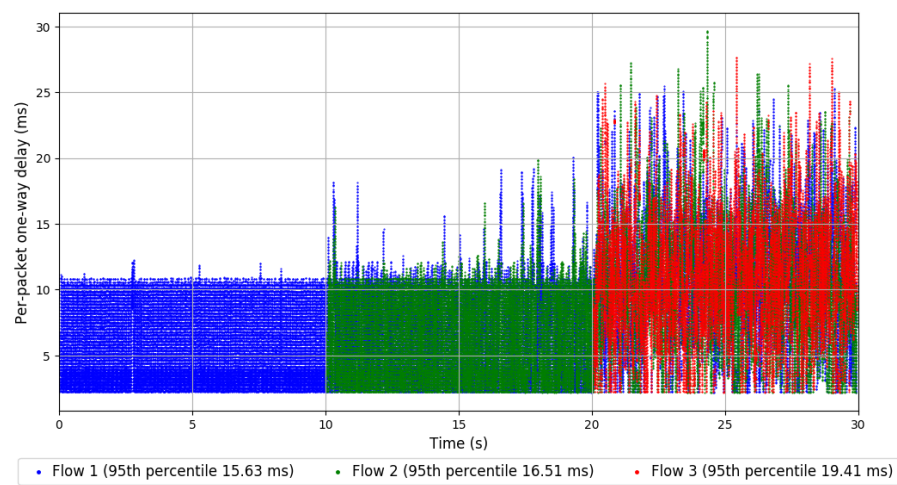
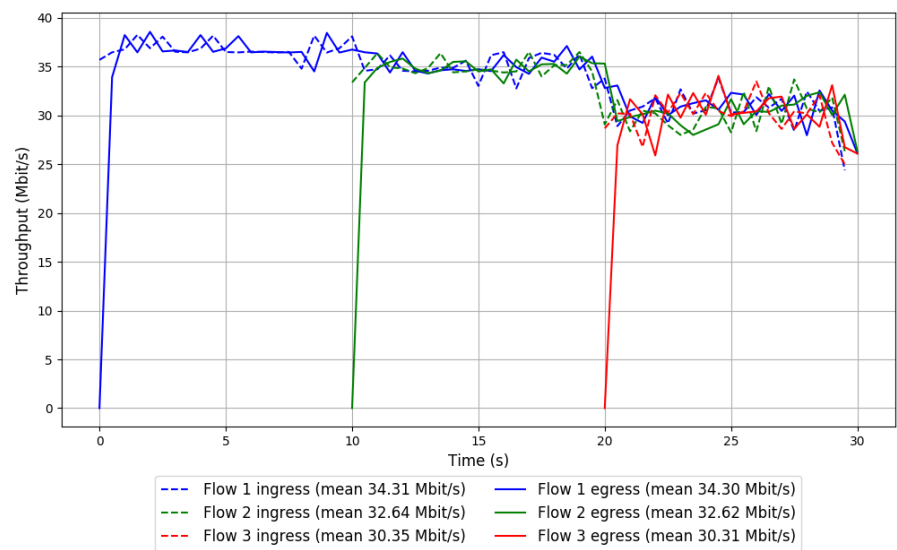


Run 6: Statistics of Sprout

Start at: 2018-07-10 05:26:52  
End at: 2018-07-10 05:27:22  
Local clock offset: -1.886 ms  
Remote clock offset: -4.296 ms

```
# Below is generated by plot.py at 2018-07-10 07:11:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 16.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 15.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 16.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



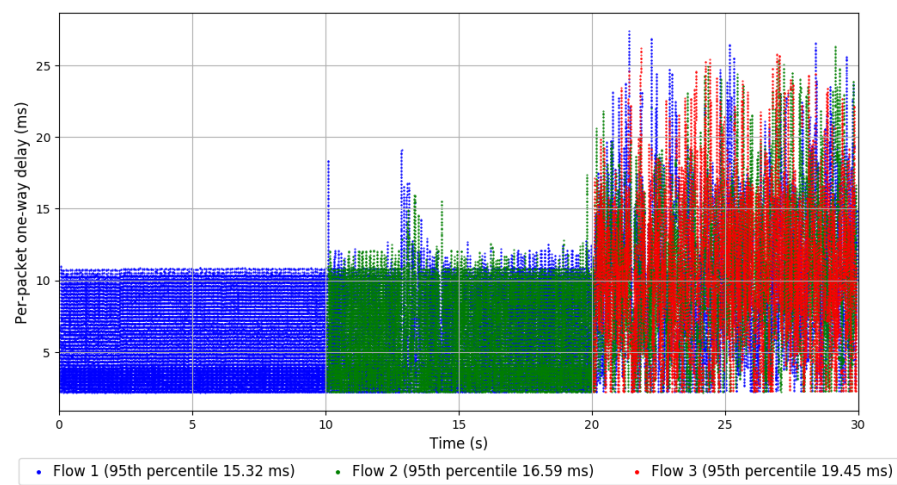
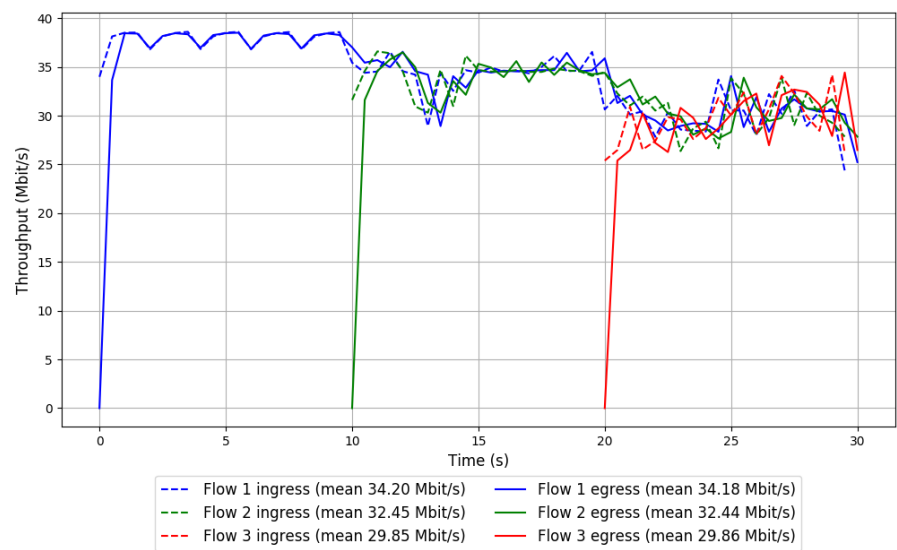
Run 7: Statistics of Sprout

Start at: 2018-07-10 05:46:09  
End at: 2018-07-10 05:46:39  
Local clock offset: -1.689 ms  
Remote clock offset: -5.045 ms

```
# Below is generated by plot.py at 2018-07-10 07:12:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.63 Mbit/s
95th percentile per-packet one-way delay: 16.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 15.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 16.594 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.00%
```



Run 7: Report of Sprout — Data Link

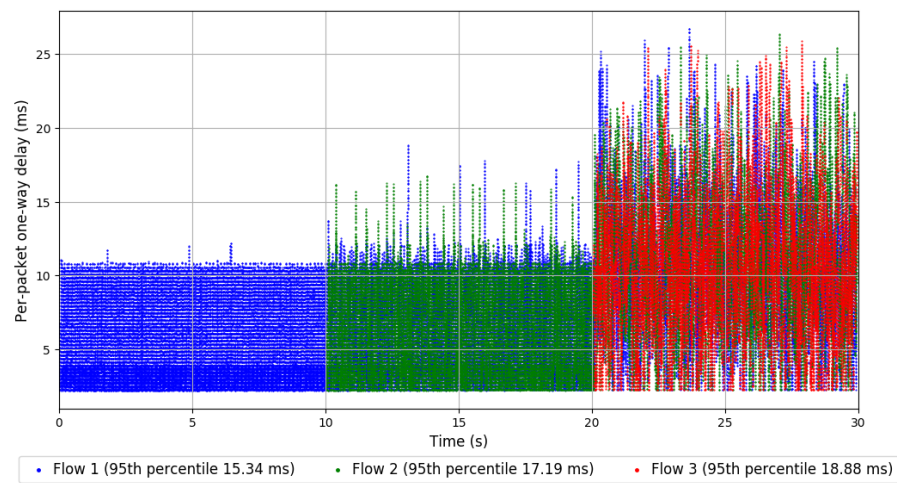
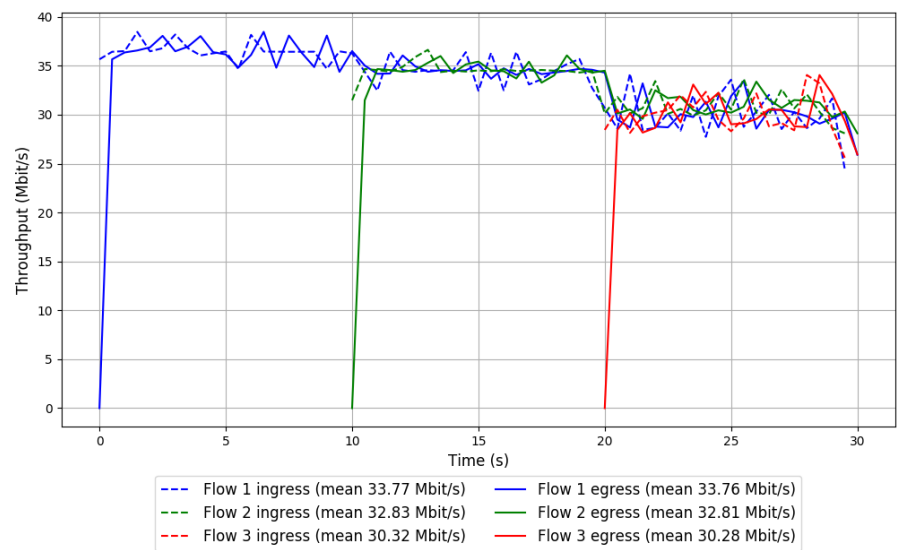


Run 8: Statistics of Sprout

Start at: 2018-07-10 06:05:21  
End at: 2018-07-10 06:05:51  
Local clock offset: -1.516 ms  
Remote clock offset: -7.672 ms

# Below is generated by plot.py at 2018-07-10 07:12:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.59 Mbit/s  
95th percentile per-packet one-way delay: 16.832 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 33.76 Mbit/s  
95th percentile per-packet one-way delay: 15.339 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 17.194 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.28 Mbit/s  
95th percentile per-packet one-way delay: 18.878 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

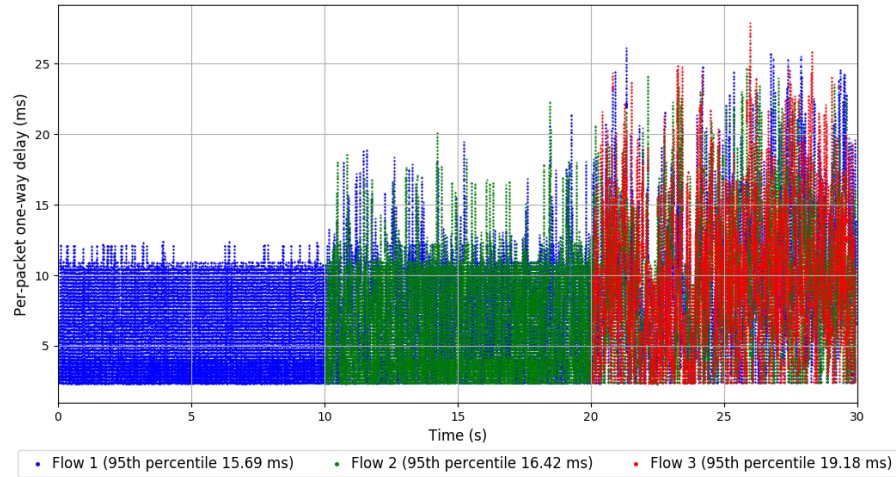
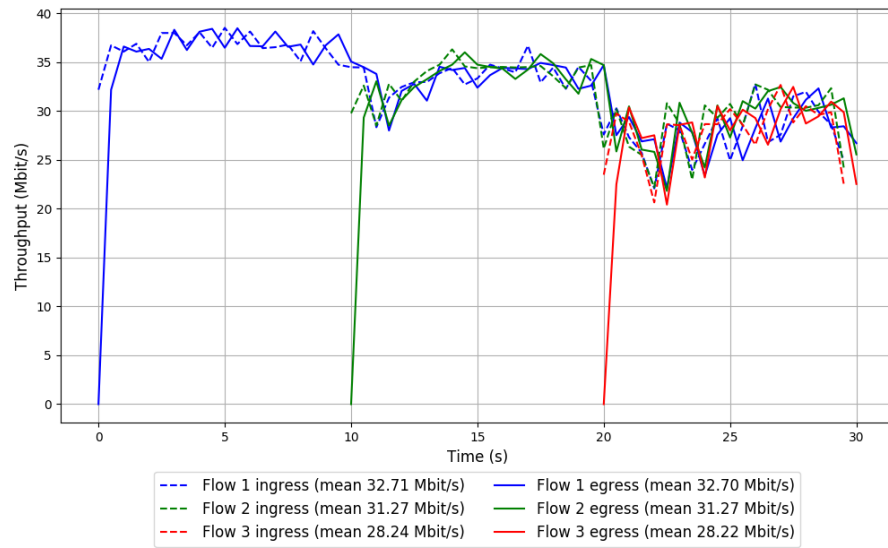


Run 9: Statistics of Sprout

Start at: 2018-07-10 06:24:33  
End at: 2018-07-10 06:25:03  
Local clock offset: -1.276 ms  
Remote clock offset: -9.993 ms

# Below is generated by plot.py at 2018-07-10 07:12:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.80 Mbit/s  
95th percentile per-packet one-way delay: 16.730 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 32.70 Mbit/s  
95th percentile per-packet one-way delay: 15.689 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.27 Mbit/s  
95th percentile per-packet one-way delay: 16.416 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 28.22 Mbit/s  
95th percentile per-packet one-way delay: 19.182 ms  
Loss rate: 0.00%

## Run 9: Report of Sprout — Data Link

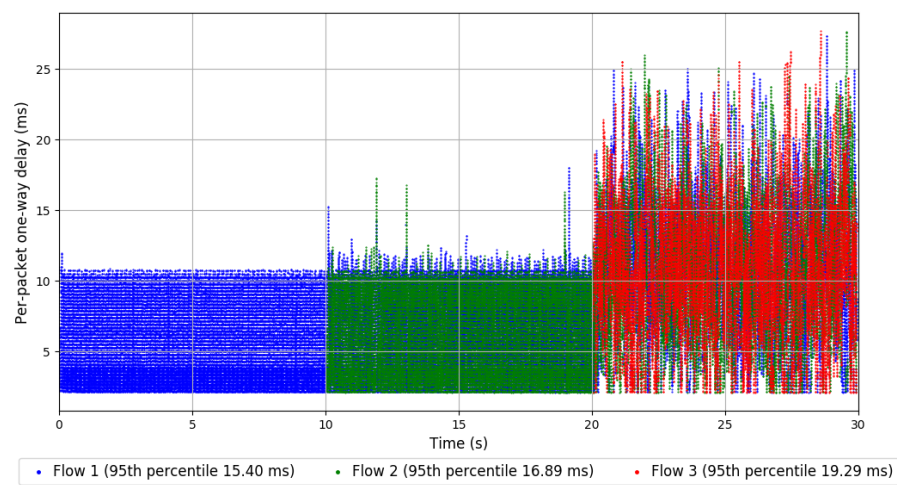
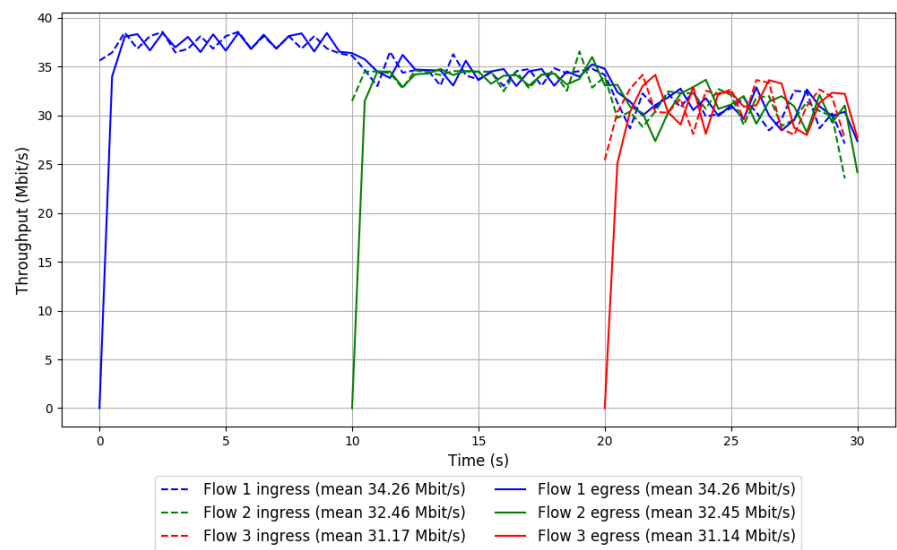


Run 10: Statistics of Sprout

Start at: 2018-07-10 06:43:44  
End at: 2018-07-10 06:44:14  
Local clock offset: -1.058 ms  
Remote clock offset: -9.101 ms

# Below is generated by plot.py at 2018-07-10 07:12:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.13 Mbit/s  
95th percentile per-packet one-way delay: 16.830 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 34.26 Mbit/s  
95th percentile per-packet one-way delay: 15.397 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.45 Mbit/s  
95th percentile per-packet one-way delay: 16.885 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.14 Mbit/s  
95th percentile per-packet one-way delay: 19.292 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



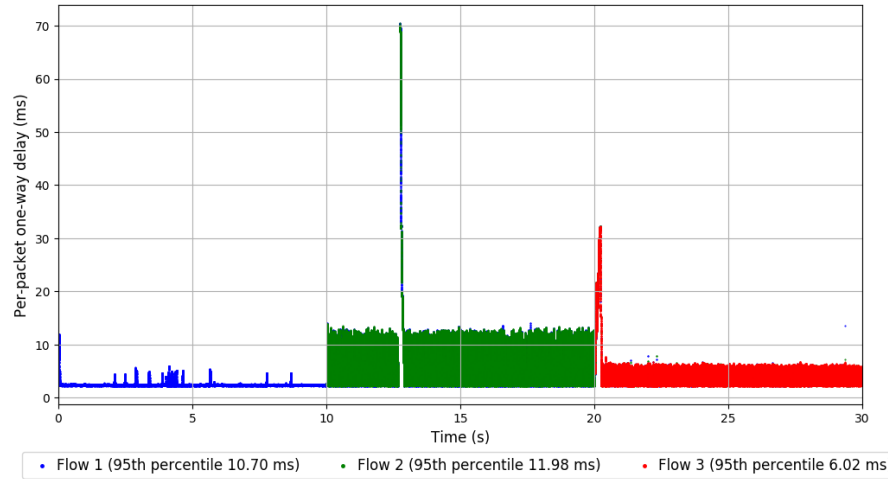
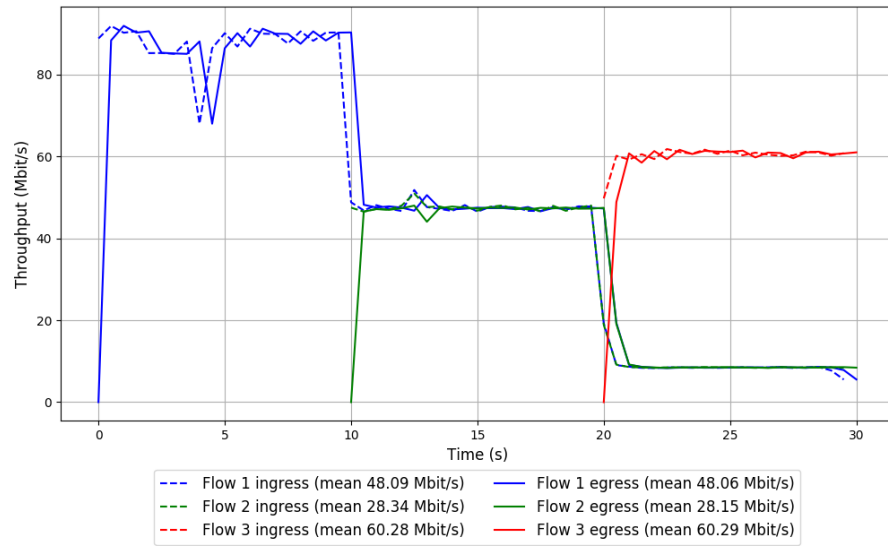
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 03:38:26
End at: 2018-07-10 03:38:56
Local clock offset: -2.179 ms
Remote clock offset: -7.195 ms

# Below is generated by plot.py at 2018-07-10 07:13:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 10.998 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 10.699 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 11.980 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 6.018 ms
Loss rate: 0.01%
```



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

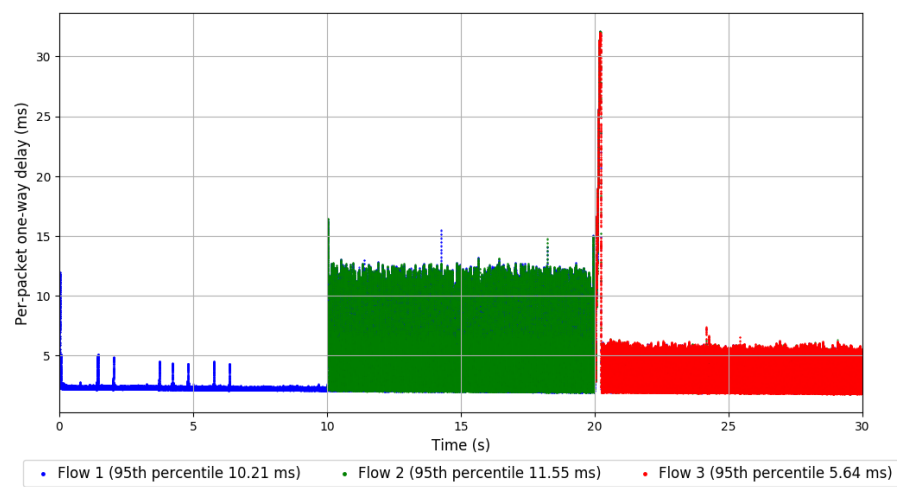
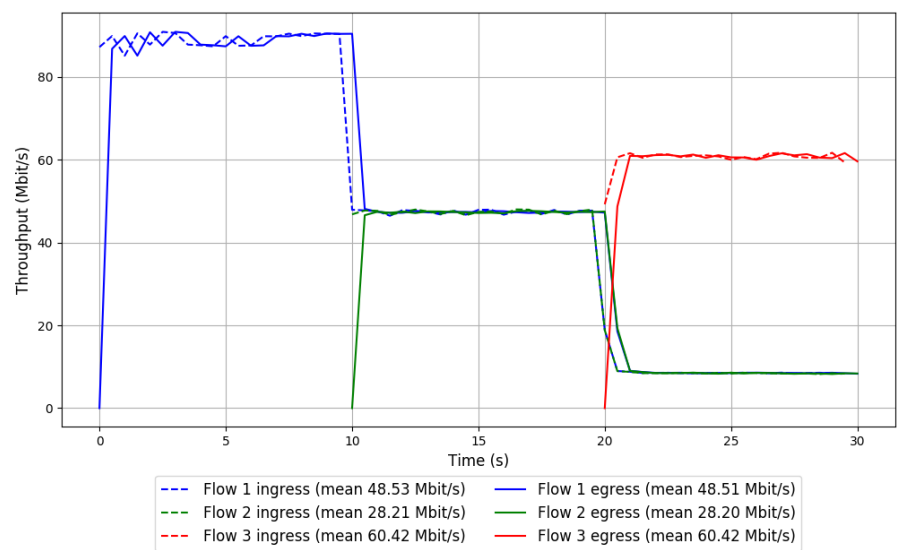


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 03:57:38  
End at: 2018-07-10 03:58:08  
Local clock offset: -2.294 ms  
Remote clock offset: 10.546 ms

# Below is generated by plot.py at 2018-07-10 07:13:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.38 Mbit/s  
95th percentile per-packet one-way delay: 10.549 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 48.51 Mbit/s  
95th percentile per-packet one-way delay: 10.210 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 28.20 Mbit/s  
95th percentile per-packet one-way delay: 11.554 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 60.42 Mbit/s  
95th percentile per-packet one-way delay: 5.643 ms  
Loss rate: 0.01%

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

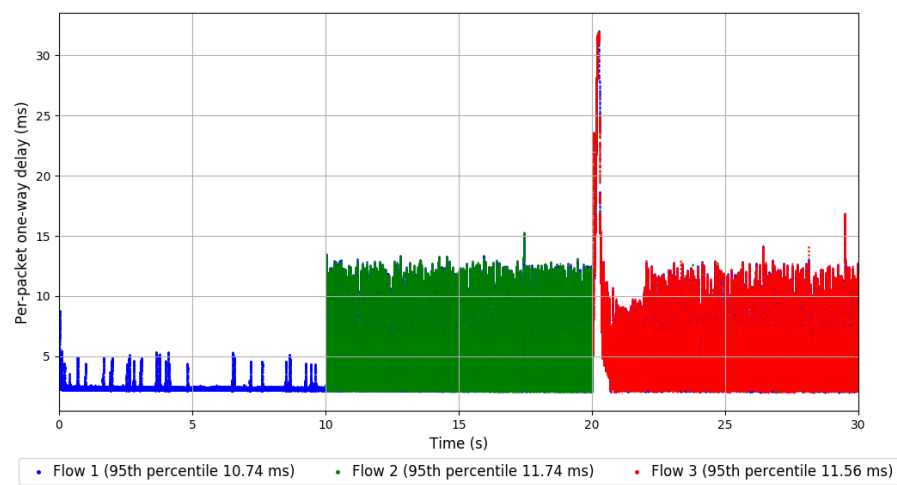
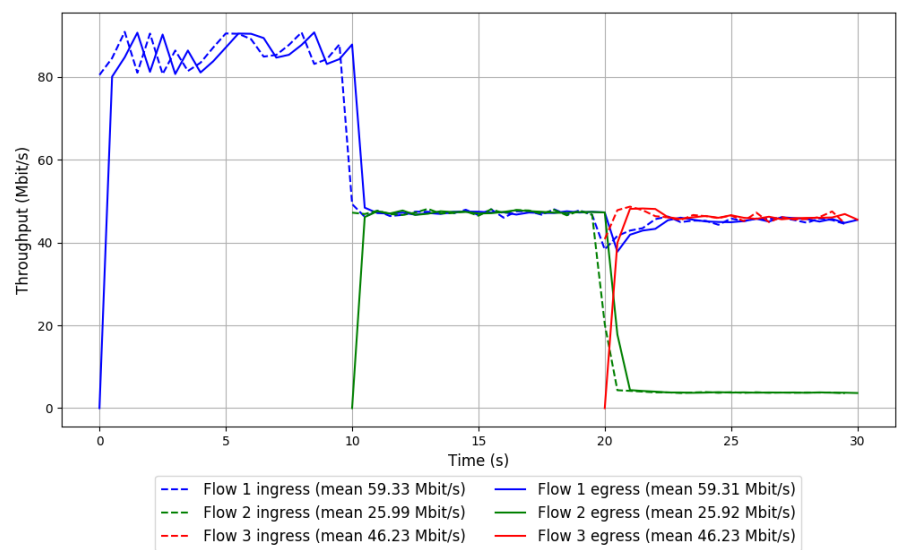


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 04:16:49  
End at: 2018-07-10 04:17:19  
Local clock offset: -2.163 ms  
Remote clock offset: 20.644 ms

# Below is generated by plot.py at 2018-07-10 07:14:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.94 Mbit/s  
95th percentile per-packet one-way delay: 11.201 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 59.31 Mbit/s  
95th percentile per-packet one-way delay: 10.736 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 25.92 Mbit/s  
95th percentile per-packet one-way delay: 11.736 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 46.23 Mbit/s  
95th percentile per-packet one-way delay: 11.564 ms  
Loss rate: 0.04%

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

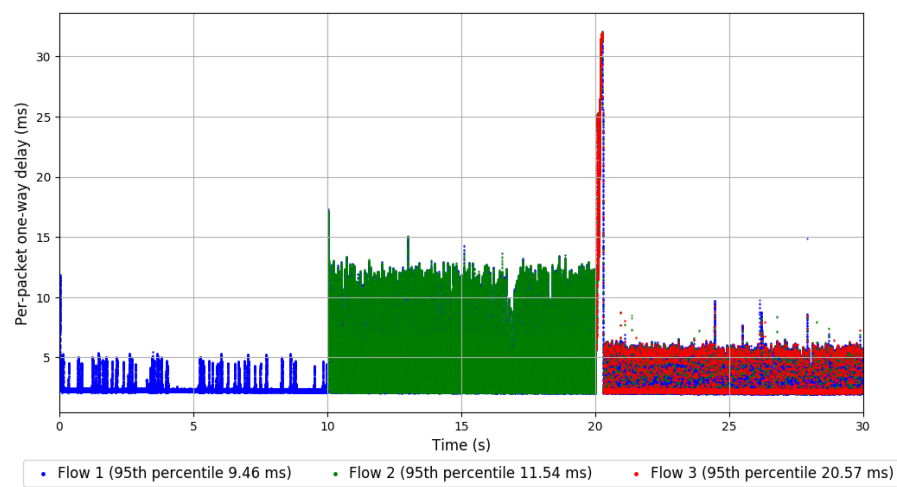
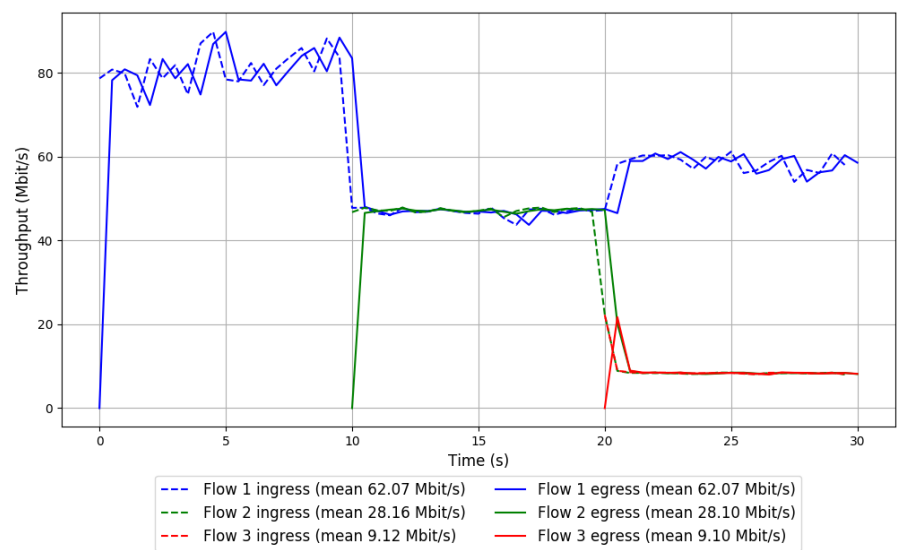


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 04:36:01  
End at: 2018-07-10 04:36:31  
Local clock offset: -2.051 ms  
Remote clock offset: 27.782 ms

# Below is generated by plot.py at 2018-07-10 07:14:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.81 Mbit/s  
95th percentile per-packet one-way delay: 10.554 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 62.07 Mbit/s  
95th percentile per-packet one-way delay: 9.463 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.10 Mbit/s  
95th percentile per-packet one-way delay: 11.538 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 9.10 Mbit/s  
95th percentile per-packet one-way delay: 20.574 ms  
Loss rate: 0.25%

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



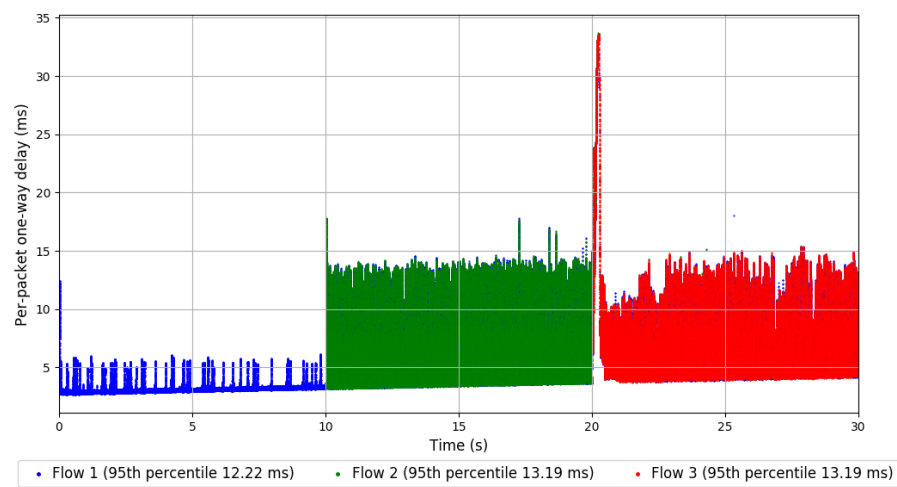
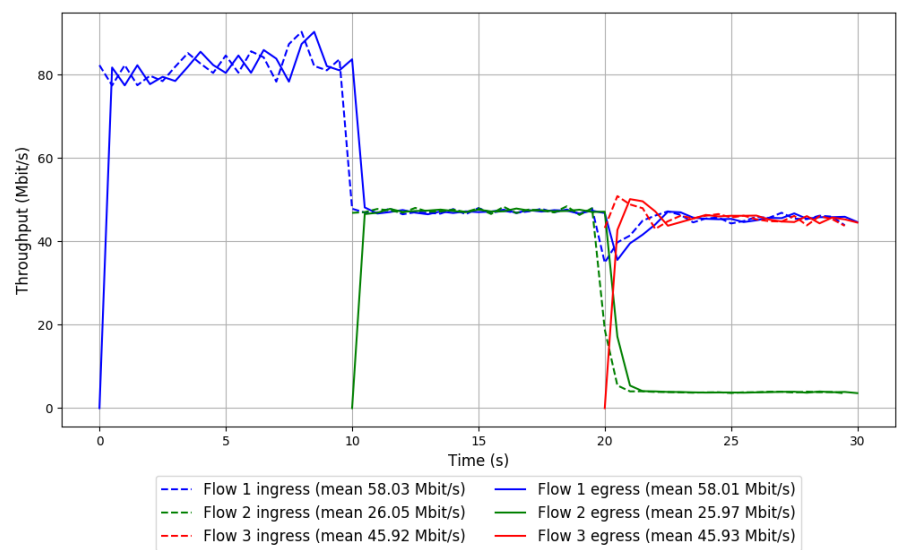
Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 04:55:13  
End at: 2018-07-10 04:55:43  
Local clock offset: -2.002 ms  
Remote clock offset: 26.146 ms

# Below is generated by plot.py at 2018-07-10 07:14:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.57 Mbit/s  
95th percentile per-packet one-way delay: 12.691 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 58.01 Mbit/s  
95th percentile per-packet one-way delay: 12.221 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 25.97 Mbit/s  
95th percentile per-packet one-way delay: 13.186 ms  
Loss rate: 0.29%  
-- Flow 3:  
Average throughput: 45.93 Mbit/s  
95th percentile per-packet one-way delay: 13.191 ms  
Loss rate: 0.01%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 05:14:26

End at: 2018-07-10 05:14:56

Local clock offset: -1.948 ms

Remote clock offset: 0.583 ms

# Below is generated by plot.py at 2018-07-10 07:14:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 11.146 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 10.732 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 28.38 Mbit/s

95th percentile per-packet one-way delay: 12.066 ms

Loss rate: 0.24%

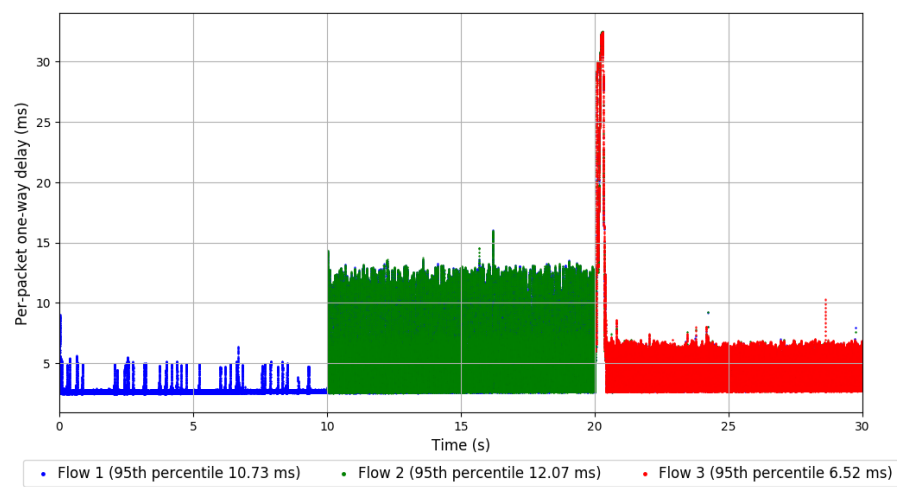
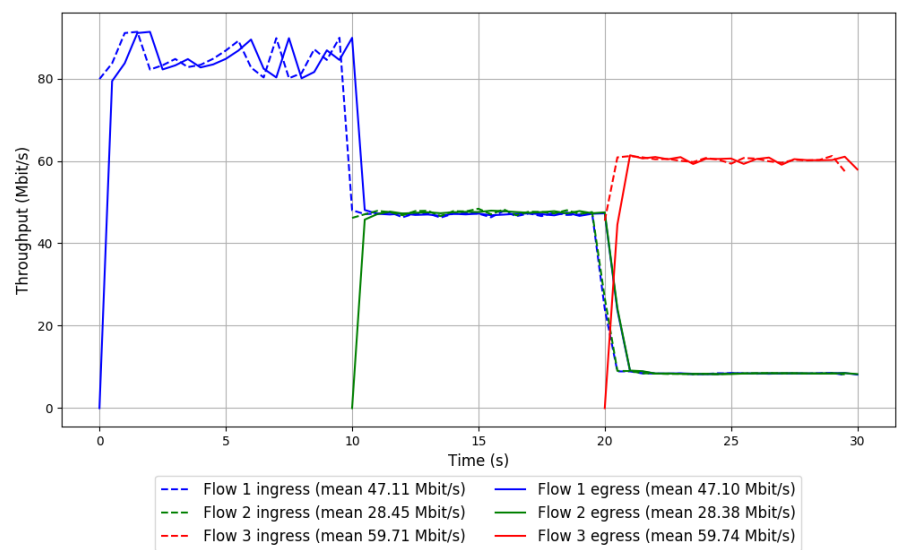
-- Flow 3:

Average throughput: 59.74 Mbit/s

95th percentile per-packet one-way delay: 6.524 ms

Loss rate: 0.02%

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

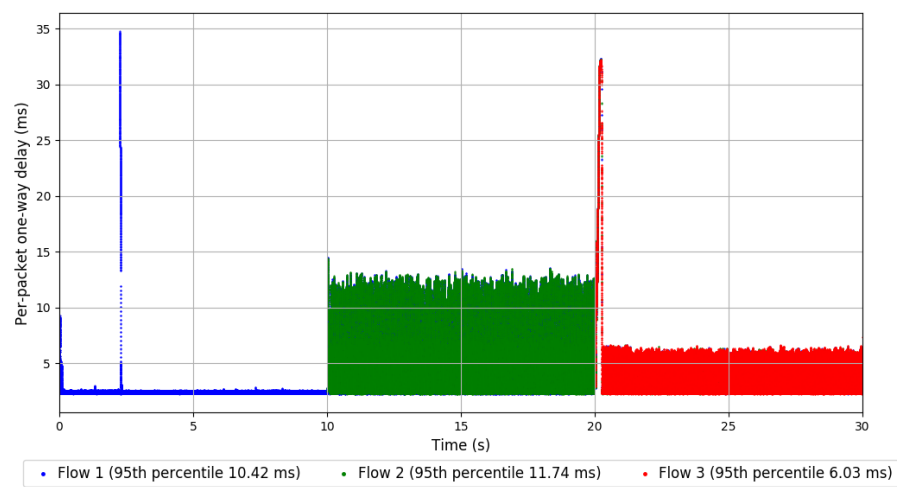
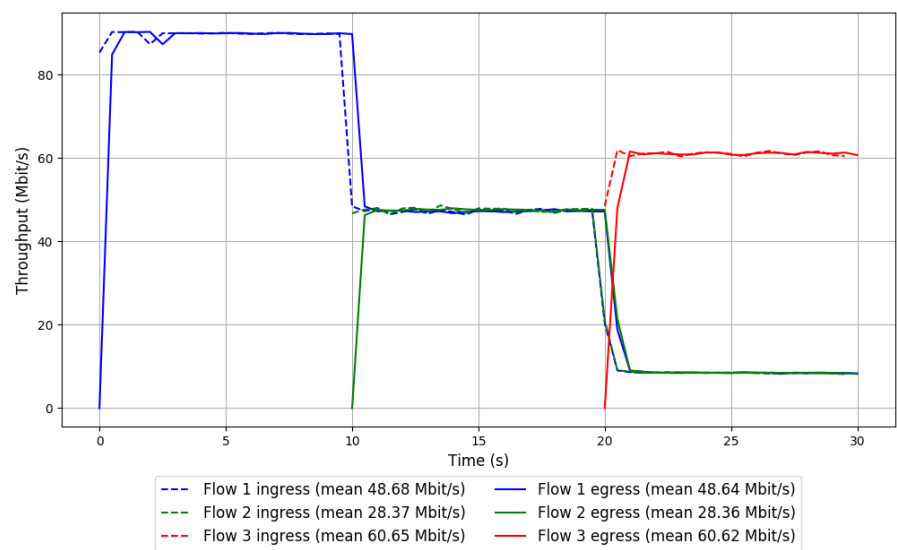


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 05:33:37  
End at: 2018-07-10 05:34:07  
Local clock offset: -1.775 ms  
Remote clock offset: -3.848 ms

# Below is generated by plot.py at 2018-07-10 07:14:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.68 Mbit/s  
95th percentile per-packet one-way delay: 10.752 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 48.64 Mbit/s  
95th percentile per-packet one-way delay: 10.422 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 28.36 Mbit/s  
95th percentile per-packet one-way delay: 11.736 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 60.62 Mbit/s  
95th percentile per-packet one-way delay: 6.031 ms  
Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 05:52:54

End at: 2018-07-10 05:53:24

Local clock offset: -1.648 ms

Remote clock offset: -6.0 ms

# Below is generated by plot.py at 2018-07-10 07:14:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 11.307 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 10.814 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 25.93 Mbit/s

95th percentile per-packet one-way delay: 11.940 ms

Loss rate: 0.20%

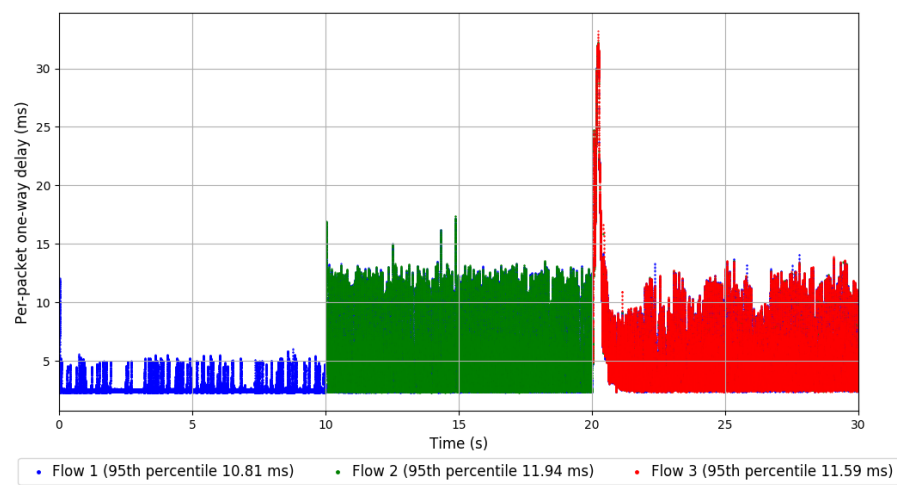
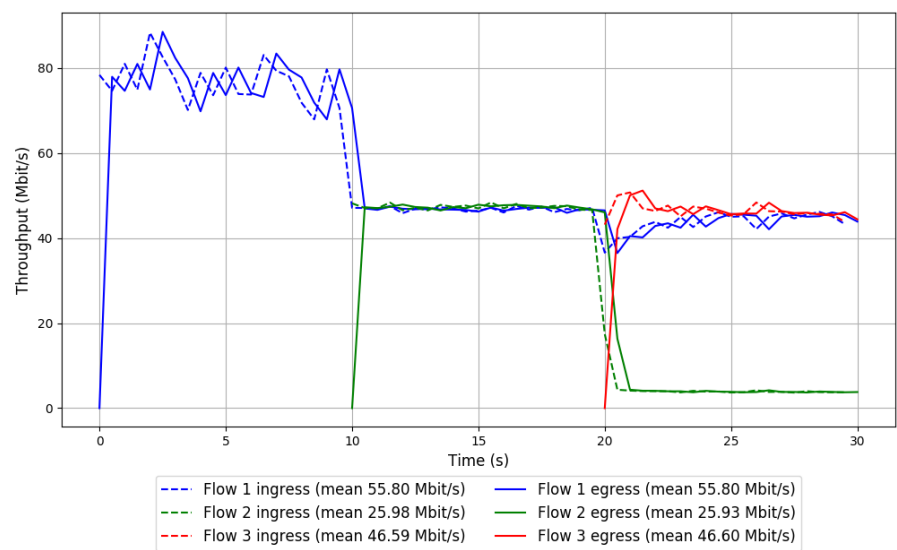
-- Flow 3:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 11.590 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 06:12:06

End at: 2018-07-10 06:12:36

Local clock offset: -1.43 ms

Remote clock offset: -8.28 ms

# Below is generated by plot.py at 2018-07-10 07:15:47

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 10.682 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 46.07 Mbit/s

95th percentile per-packet one-way delay: 10.337 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 28.33 Mbit/s

95th percentile per-packet one-way delay: 11.746 ms

Loss rate: 0.04%

-- Flow 3:

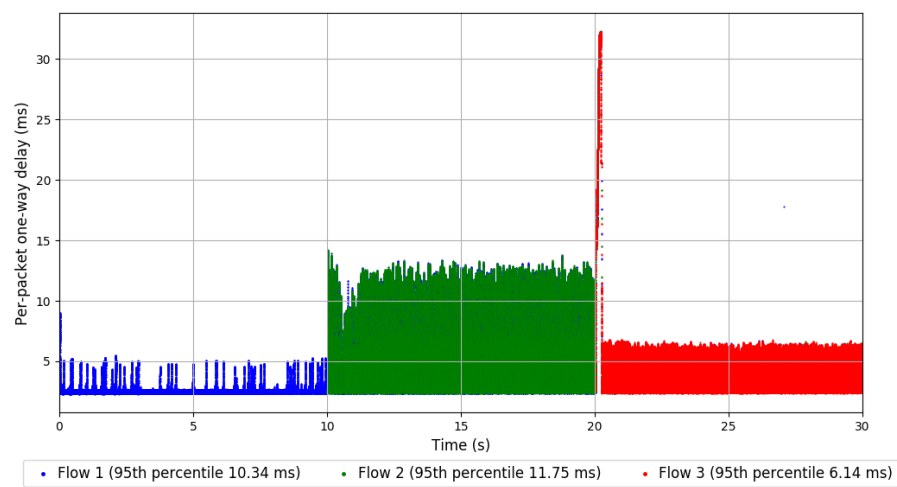
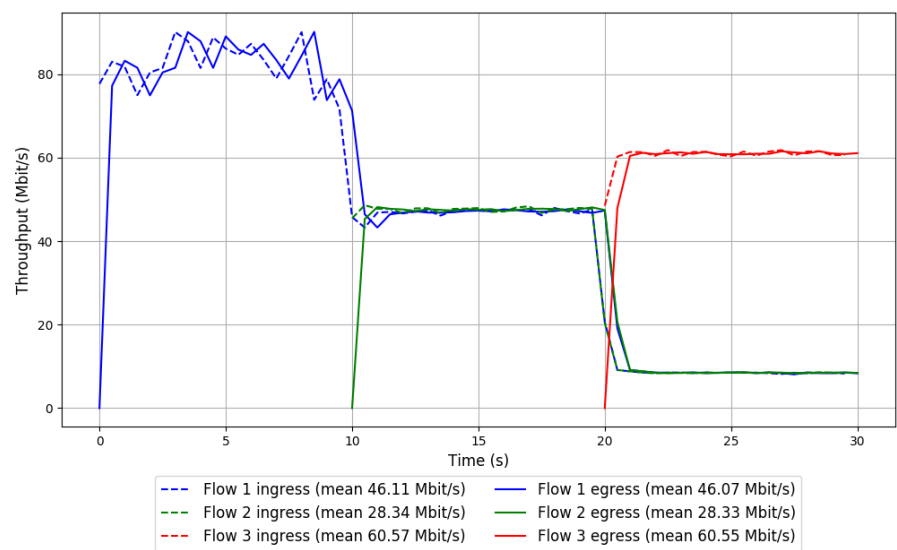
Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 6.136 ms

Loss rate: 0.01%



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

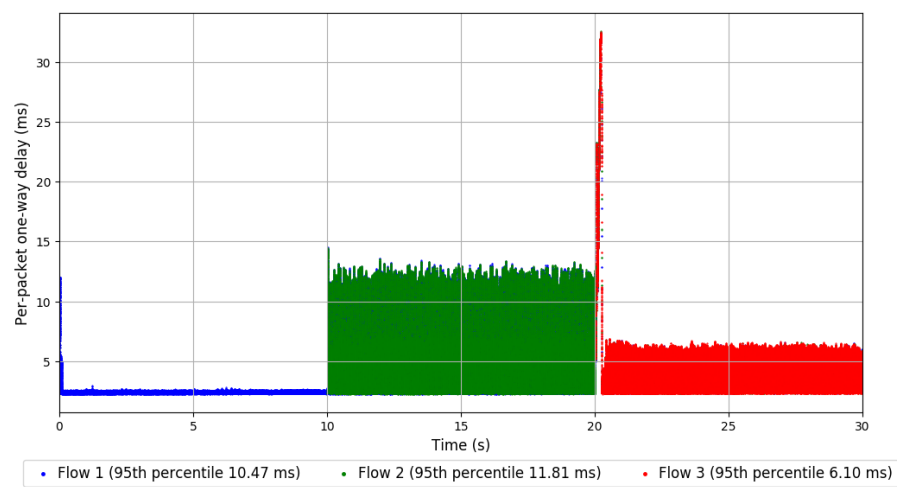
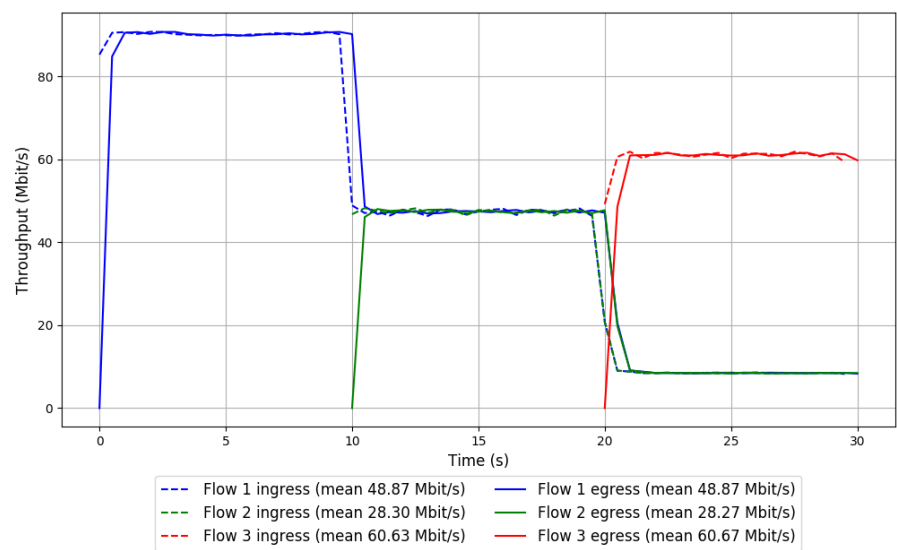


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 06:31:17
End at: 2018-07-10 06:31:47
Local clock offset: -1.228 ms
Remote clock offset: -11.054 ms

# Below is generated by plot.py at 2018-07-10 07:15:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 10.815 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 10.473 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 11.812 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 6.100 ms
Loss rate: 0.01%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 03:40:44

End at: 2018-07-10 03:41:14

Local clock offset: -2.21 ms

Remote clock offset: -7.21 ms

# Below is generated by plot.py at 2018-07-10 07:15:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 3.926 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.20 Mbit/s

95th percentile per-packet one-way delay: 3.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 3.924 ms

Loss rate: 0.00%

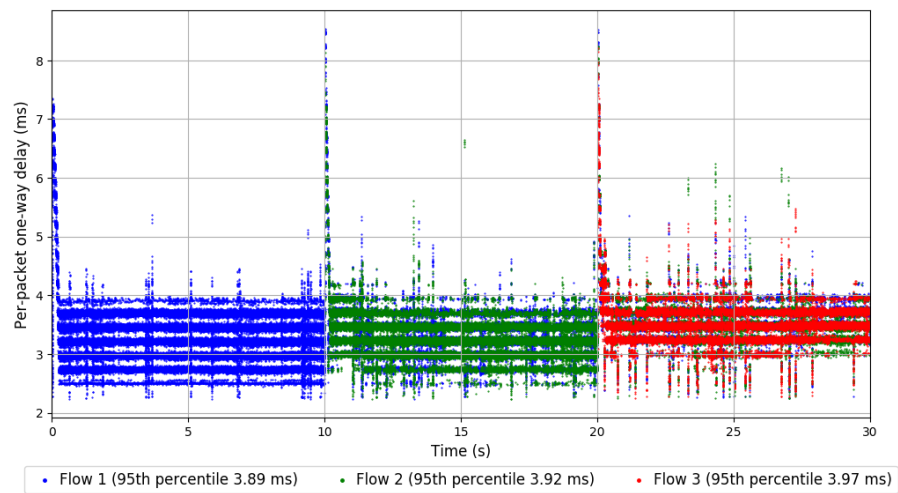
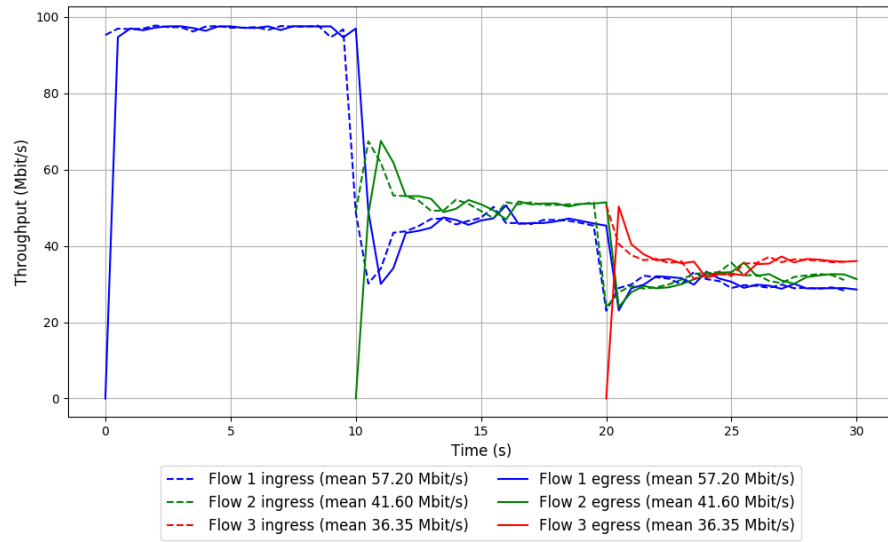
-- Flow 3:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 3.973 ms

Loss rate: 0.00%

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

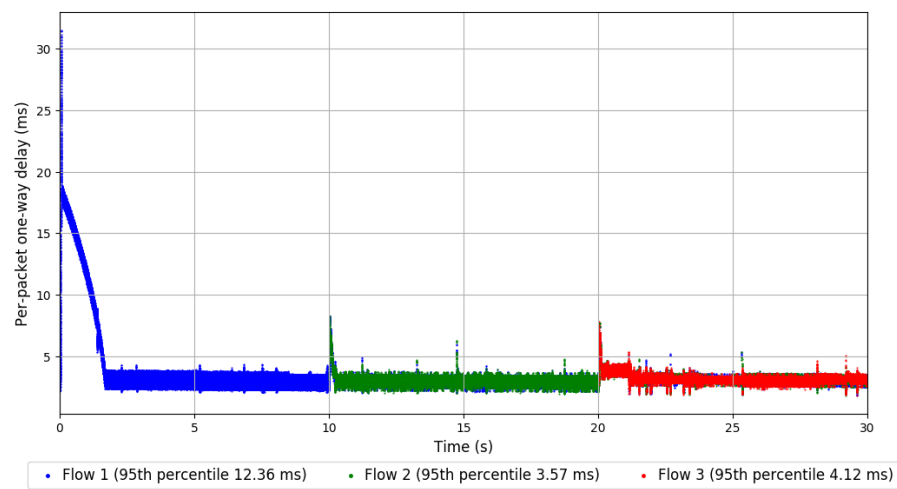
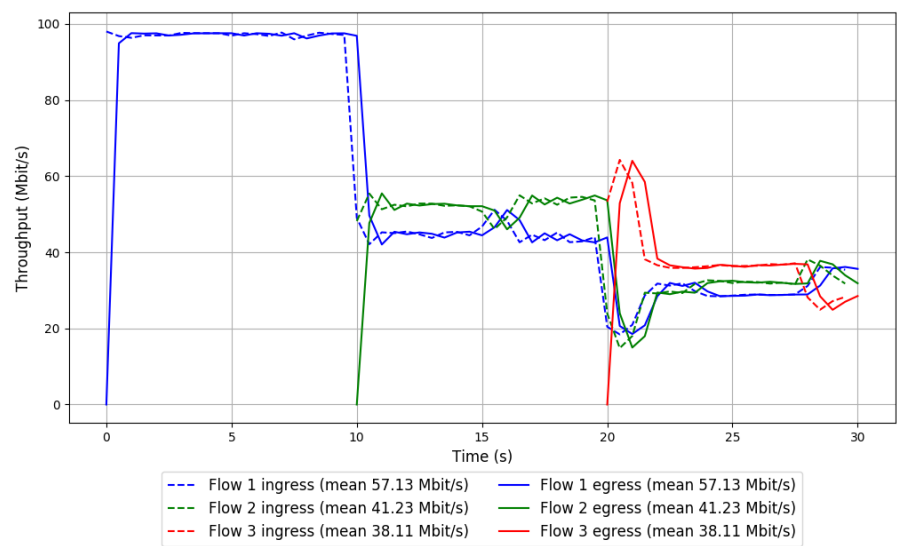


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 03:59:56  
End at: 2018-07-10 04:00:26  
Local clock offset: -2.268 ms  
Remote clock offset: 12.215 ms

# Below is generated by plot.py at 2018-07-10 07:15:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.26 Mbit/s  
95th percentile per-packet one-way delay: 6.420 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.13 Mbit/s  
95th percentile per-packet one-way delay: 12.357 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.23 Mbit/s  
95th percentile per-packet one-way delay: 3.574 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 38.11 Mbit/s  
95th percentile per-packet one-way delay: 4.120 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



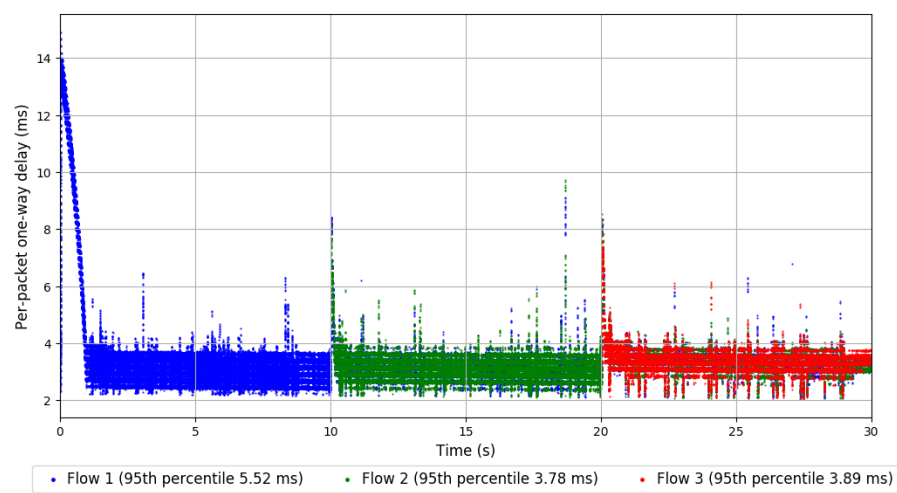
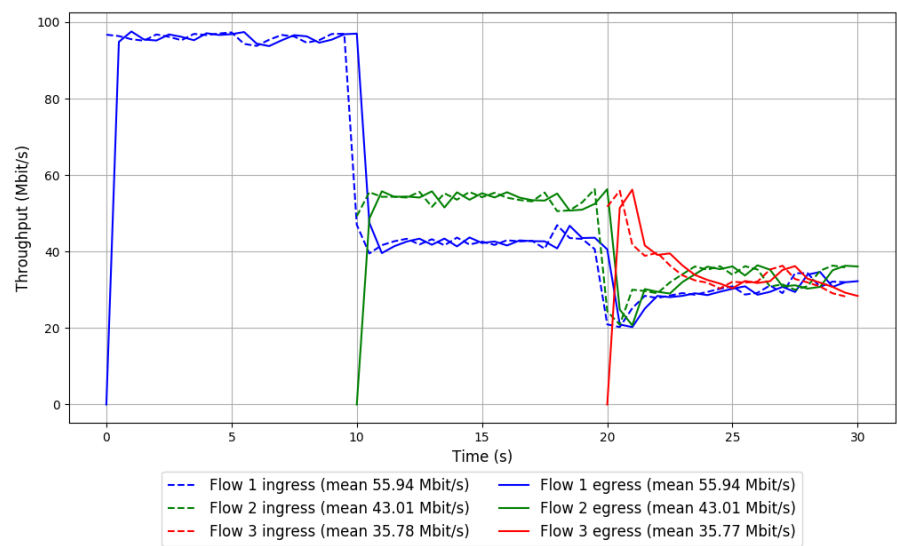
Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 04:19:07  
End at: 2018-07-10 04:19:37  
Local clock offset: -2.134 ms  
Remote clock offset: 21.637 ms

# Below is generated by plot.py at 2018-07-10 07:15:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.48 Mbit/s  
95th percentile per-packet one-way delay: 4.018 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.94 Mbit/s  
95th percentile per-packet one-way delay: 5.518 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.01 Mbit/s  
95th percentile per-packet one-way delay: 3.783 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 35.77 Mbit/s  
95th percentile per-packet one-way delay: 3.887 ms  
Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link

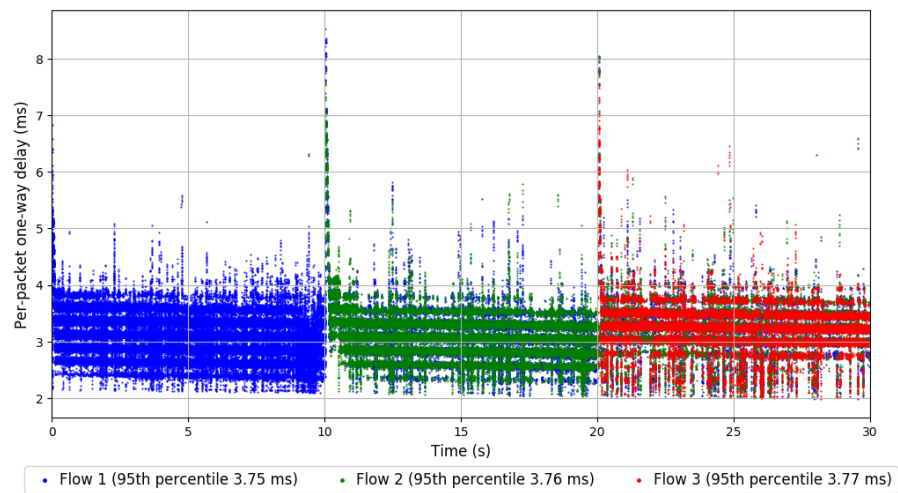
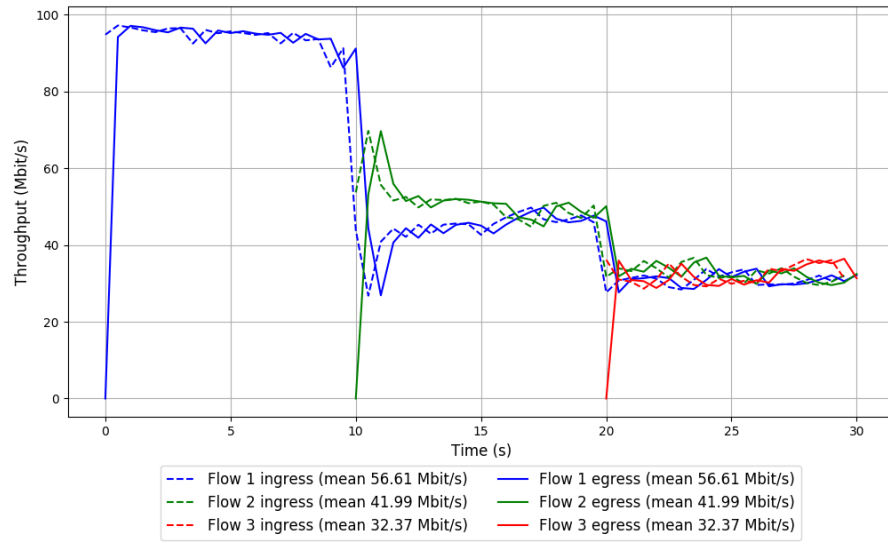


Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 04:38:19  
End at: 2018-07-10 04:38:50  
Local clock offset: -2.109 ms  
Remote clock offset: 28.584 ms

```
# Below is generated by plot.py at 2018-07-10 07:15:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 3.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 3.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 0.00%
```

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

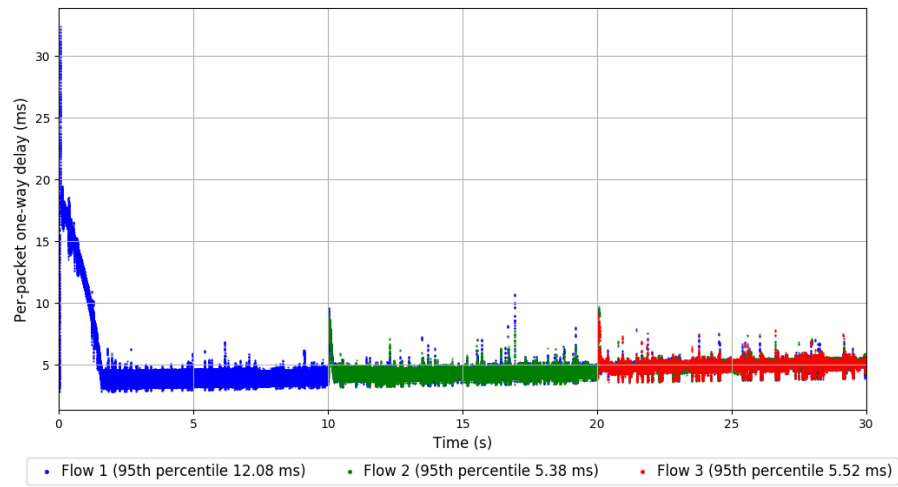
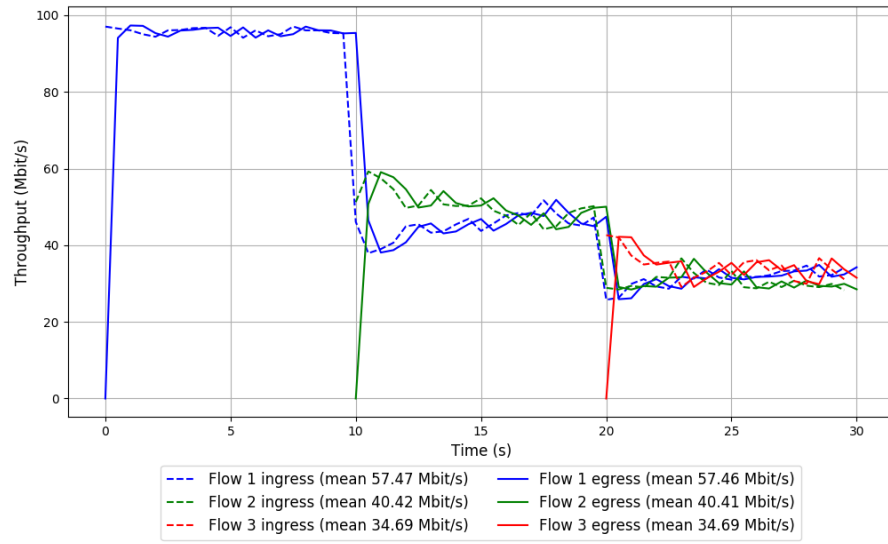


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 04:57:32  
End at: 2018-07-10 04:58:02  
Local clock offset: -2.0 ms  
Remote clock offset: 20.173 ms

# Below is generated by plot.py at 2018-07-10 07:15:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.90 Mbit/s  
95th percentile per-packet one-way delay: 7.109 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.46 Mbit/s  
95th percentile per-packet one-way delay: 12.079 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.41 Mbit/s  
95th percentile per-packet one-way delay: 5.381 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 34.69 Mbit/s  
95th percentile per-packet one-way delay: 5.516 ms  
Loss rate: 0.00%

# Run 5: Report of TCP Vegas — Data Link

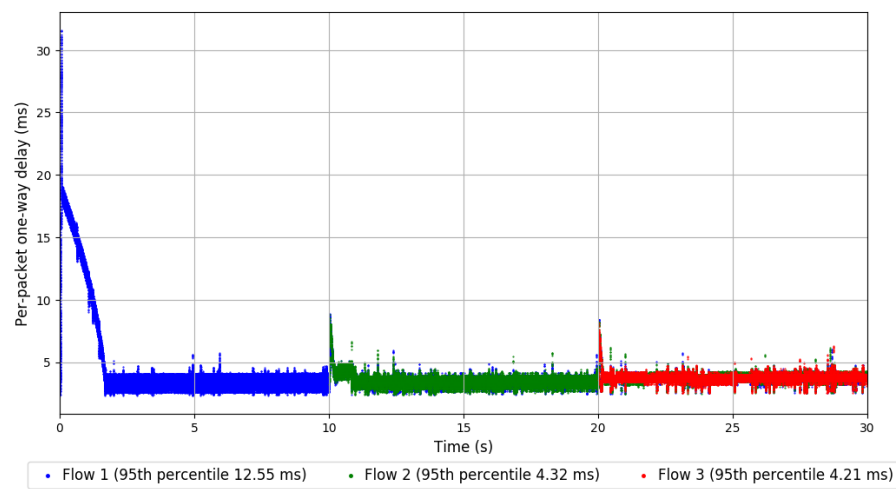
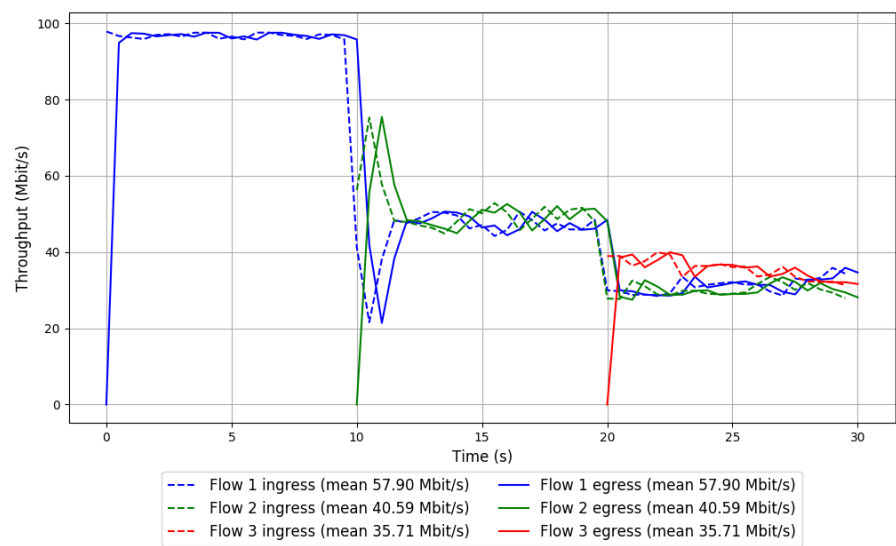


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 05:16:43  
End at: 2018-07-10 05:17:13  
Local clock offset: -1.931 ms  
Remote clock offset: -0.628 ms

# Below is generated by plot.py at 2018-07-10 07:15:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 7.076 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 12.550 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.59 Mbit/s  
95th percentile per-packet one-way delay: 4.324 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 35.71 Mbit/s  
95th percentile per-packet one-way delay: 4.209 ms  
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



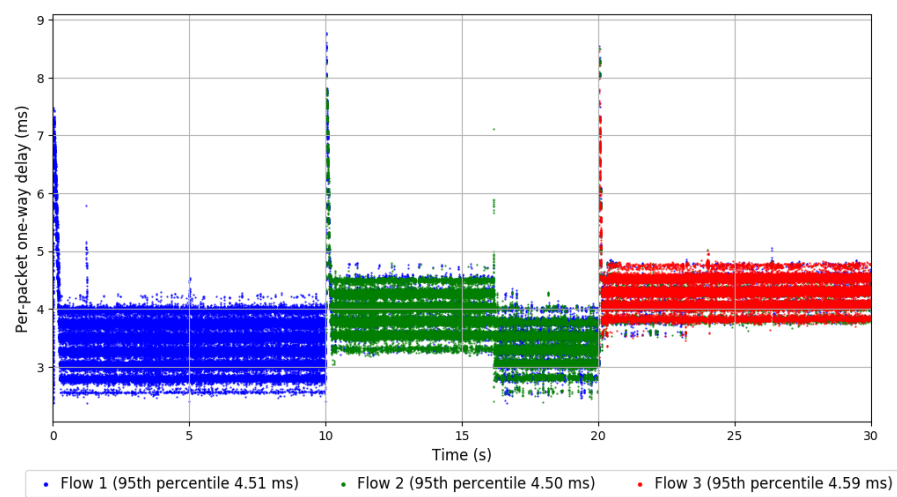
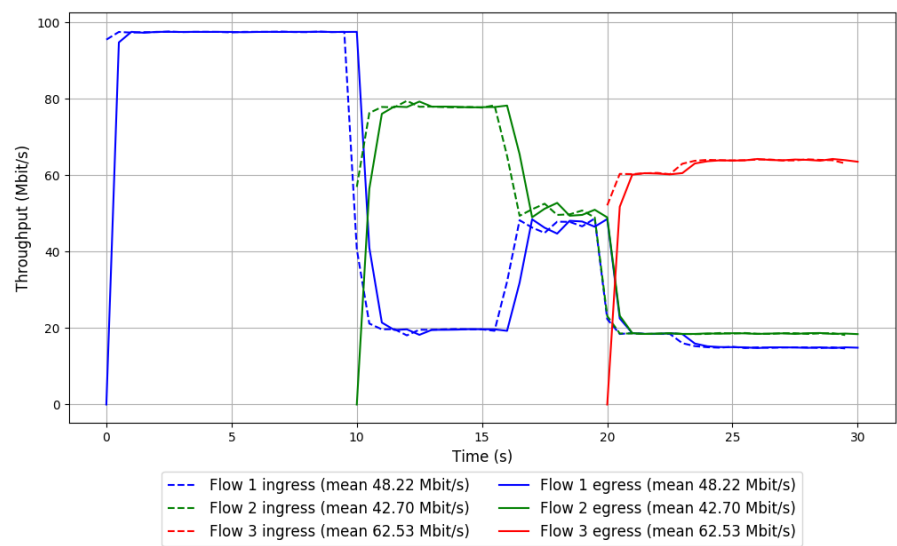
Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 05:35:55  
End at: 2018-07-10 05:36:25  
Local clock offset: -1.799 ms  
Remote clock offset: -3.921 ms

# Below is generated by plot.py at 2018-07-10 07:16:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 4.547 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 48.22 Mbit/s  
95th percentile per-packet one-way delay: 4.507 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.70 Mbit/s  
95th percentile per-packet one-way delay: 4.502 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.53 Mbit/s  
95th percentile per-packet one-way delay: 4.586 ms  
Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link

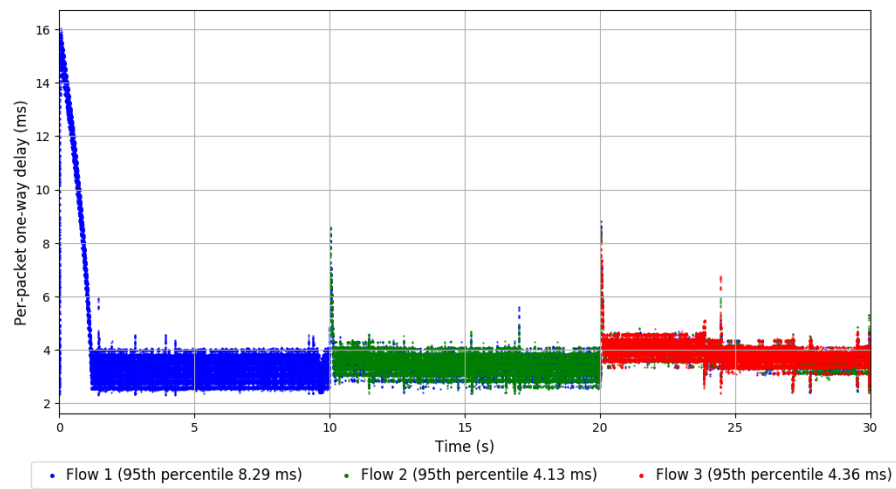
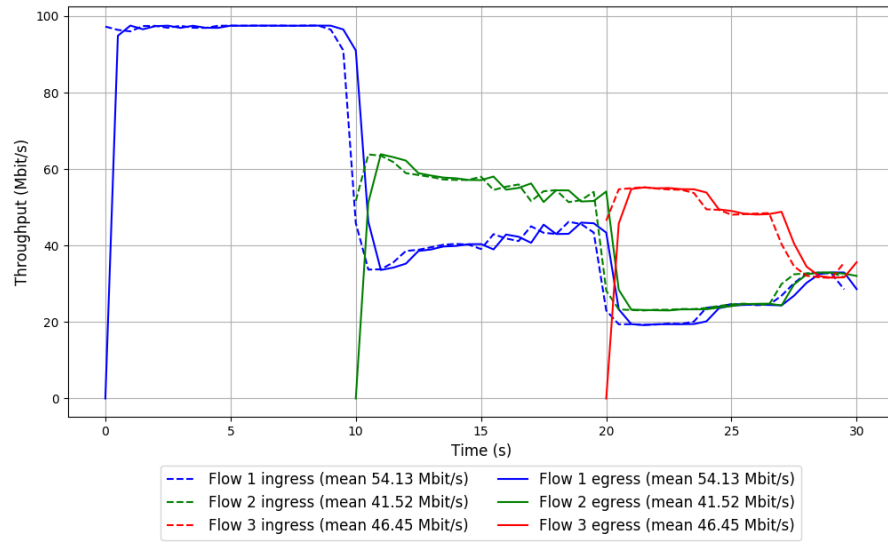


Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 05:55:12  
End at: 2018-07-10 05:55:42  
Local clock offset: -1.621 ms  
Remote clock offset: -6.304 ms

# Below is generated by plot.py at 2018-07-10 07:16:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 4.401 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 54.13 Mbit/s  
95th percentile per-packet one-way delay: 8.294 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.52 Mbit/s  
95th percentile per-packet one-way delay: 4.126 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 46.45 Mbit/s  
95th percentile per-packet one-way delay: 4.360 ms  
Loss rate: 0.00%

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

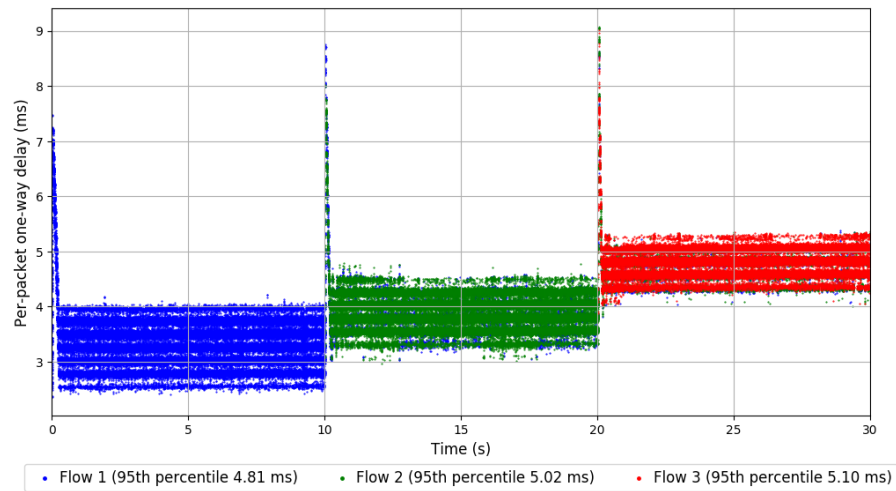
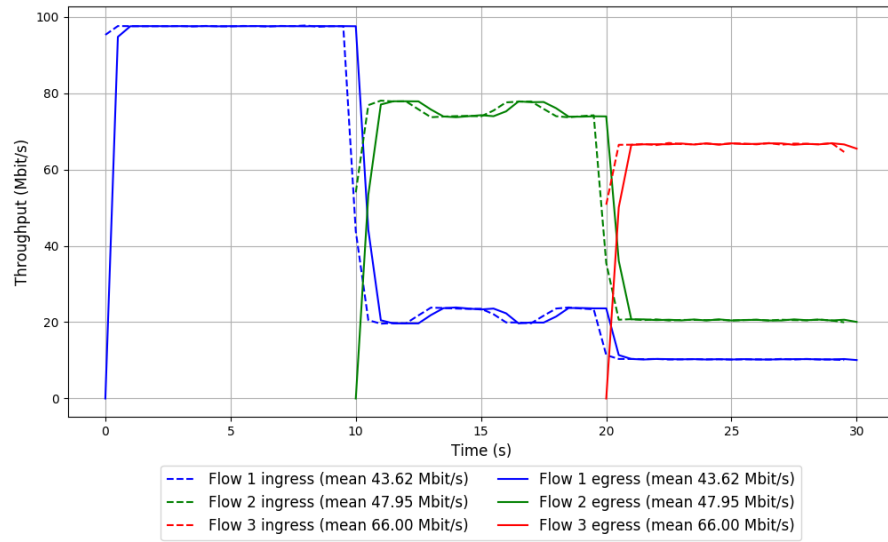


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 06:14:24  
End at: 2018-07-10 06:14:54  
Local clock offset: -1.41 ms  
Remote clock offset: -8.592 ms

# Below is generated by plot.py at 2018-07-10 07:16:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.49 Mbit/s  
95th percentile per-packet one-way delay: 5.059 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.62 Mbit/s  
95th percentile per-packet one-way delay: 4.814 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.95 Mbit/s  
95th percentile per-packet one-way delay: 5.016 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 66.00 Mbit/s  
95th percentile per-packet one-way delay: 5.102 ms  
Loss rate: 0.00%

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

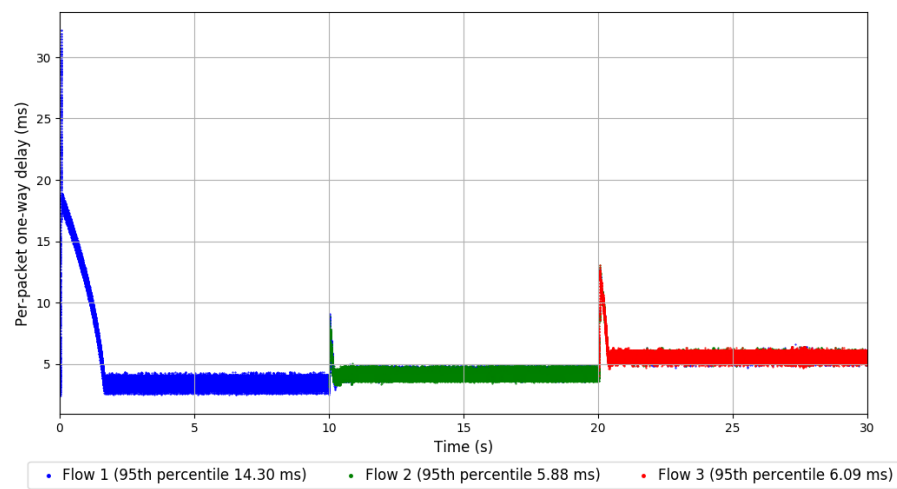
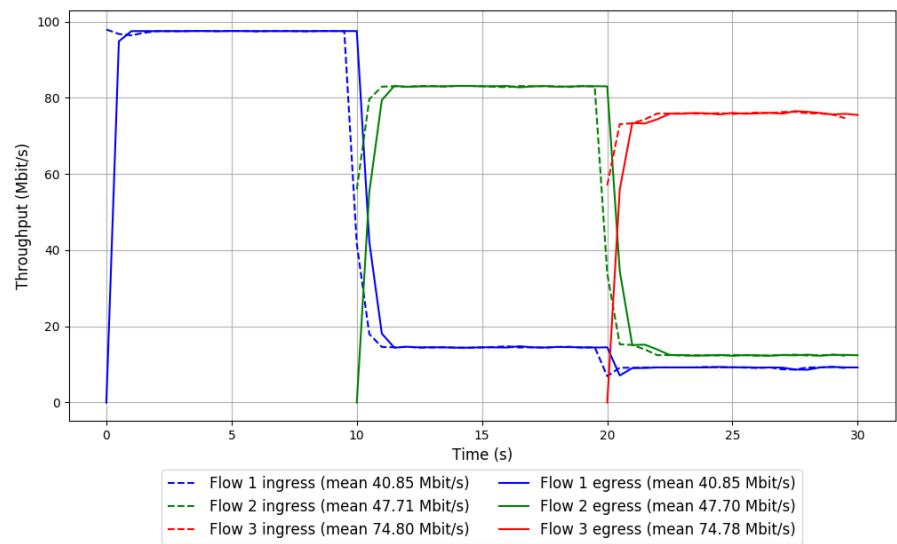


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 06:33:35  
End at: 2018-07-10 06:34:05  
Local clock offset: -1.215 ms  
Remote clock offset: -11.318 ms

# Below is generated by plot.py at 2018-07-10 07:16:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.49 Mbit/s  
95th percentile per-packet one-way delay: 8.358 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.85 Mbit/s  
95th percentile per-packet one-way delay: 14.303 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.70 Mbit/s  
95th percentile per-packet one-way delay: 5.881 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 74.78 Mbit/s  
95th percentile per-packet one-way delay: 6.090 ms  
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



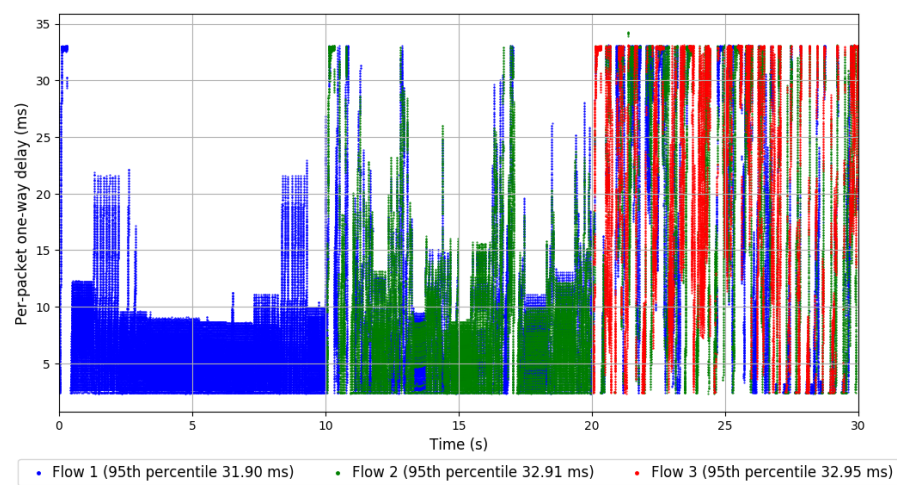
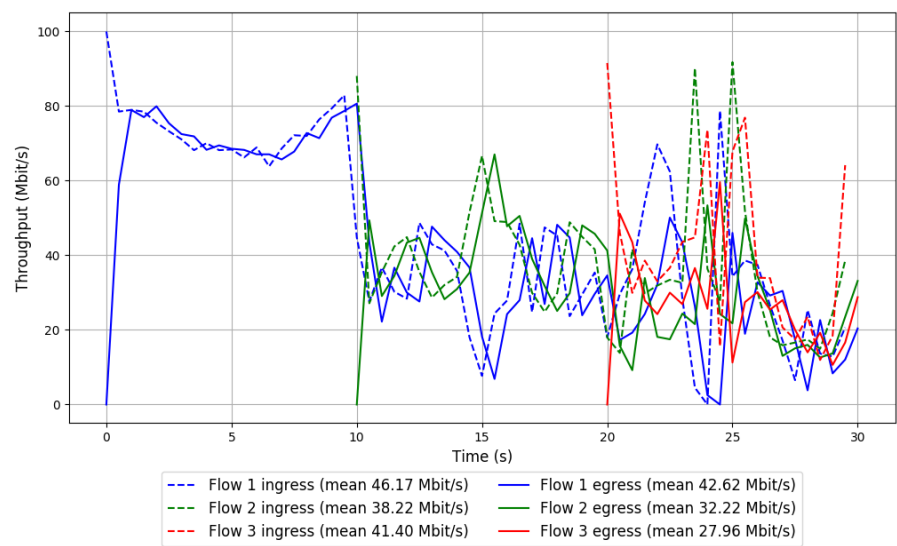
Run 1: Statistics of Verus

Start at: 2018-07-10 03:39:36  
End at: 2018-07-10 03:40:06  
Local clock offset: -2.255 ms  
Remote clock offset: -7.142 ms

# Below is generated by plot.py at 2018-07-10 07:16:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.29 Mbit/s  
95th percentile per-packet one-way delay: 32.774 ms  
Loss rate: 13.97%  
-- Flow 1:  
Average throughput: 42.62 Mbit/s  
95th percentile per-packet one-way delay: 31.903 ms  
Loss rate: 7.64%  
-- Flow 2:  
Average throughput: 32.22 Mbit/s  
95th percentile per-packet one-way delay: 32.908 ms  
Loss rate: 15.60%  
-- Flow 3:  
Average throughput: 27.96 Mbit/s  
95th percentile per-packet one-way delay: 32.948 ms  
Loss rate: 32.26%



Run 1: Report of Verus — Data Link

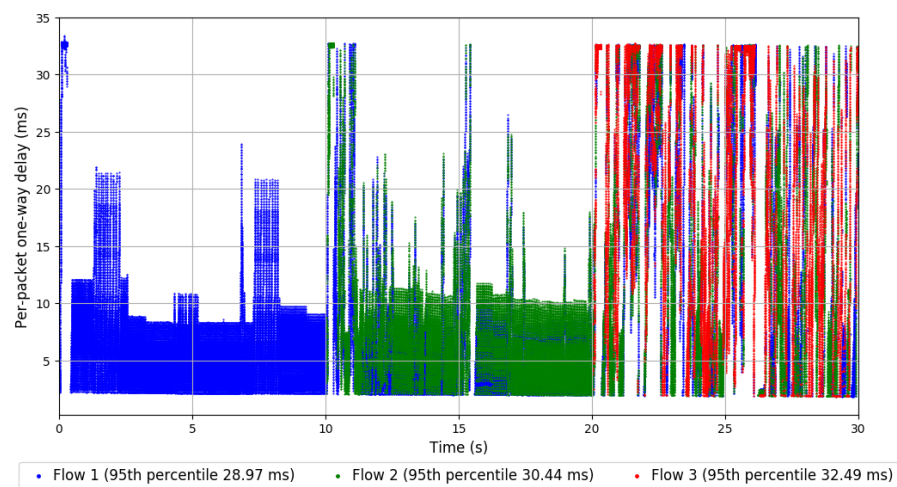
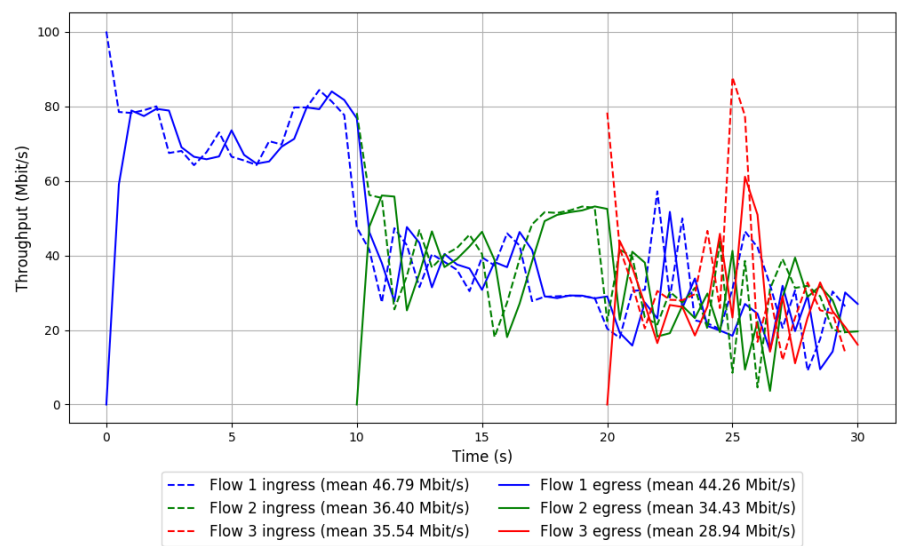


Run 2: Statistics of Verus

Start at: 2018-07-10 03:58:48  
End at: 2018-07-10 03:59:18  
Local clock offset: -2.288 ms  
Remote clock offset: 11.423 ms

# Below is generated by plot.py at 2018-07-10 07:16:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.76 Mbit/s  
95th percentile per-packet one-way delay: 31.476 ms  
Loss rate: 7.18%  
-- Flow 1:  
Average throughput: 44.26 Mbit/s  
95th percentile per-packet one-way delay: 28.967 ms  
Loss rate: 5.34%  
-- Flow 2:  
Average throughput: 34.43 Mbit/s  
95th percentile per-packet one-way delay: 30.436 ms  
Loss rate: 5.28%  
-- Flow 3:  
Average throughput: 28.94 Mbit/s  
95th percentile per-packet one-way delay: 32.494 ms  
Loss rate: 18.39%

Run 2: Report of Verus — Data Link

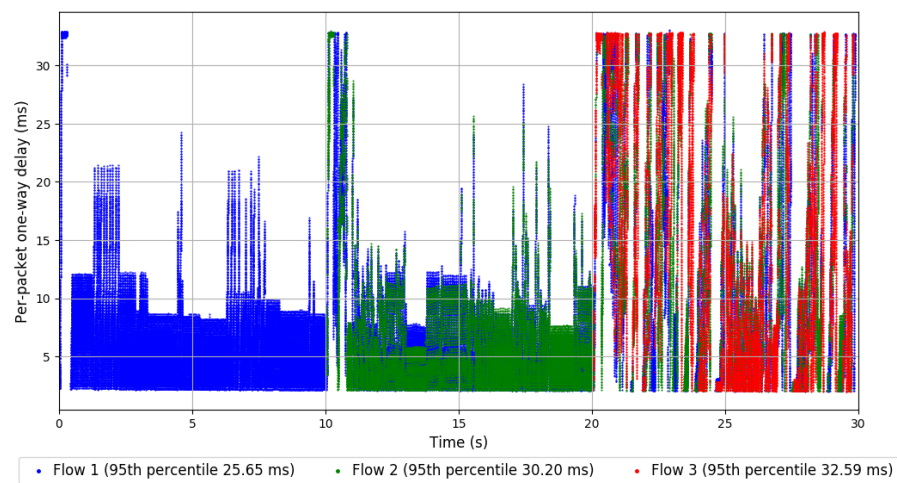
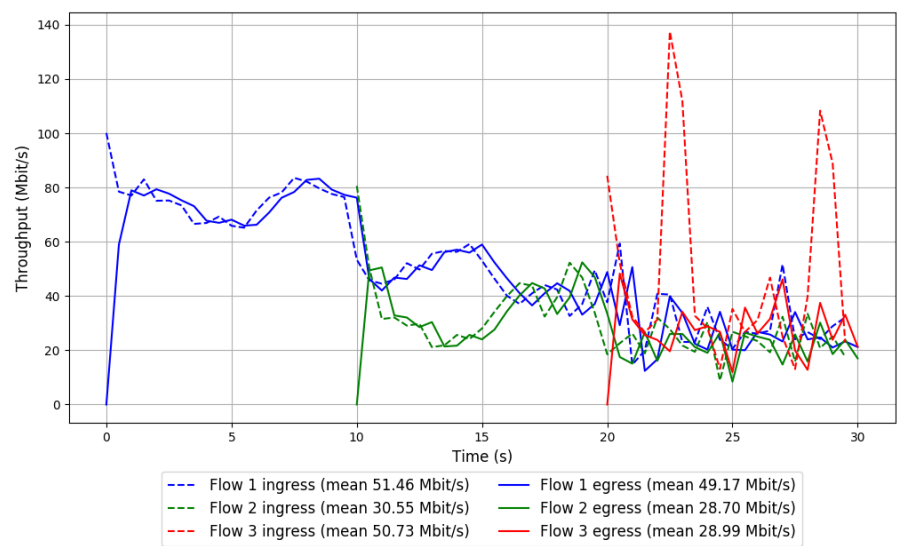


Run 3: Statistics of Verus

Start at: 2018-07-10 04:17:59  
End at: 2018-07-10 04:18:29  
Local clock offset: -2.163 ms  
Remote clock offset: 21.102 ms

# Below is generated by plot.py at 2018-07-10 07:16:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.66 Mbit/s  
95th percentile per-packet one-way delay: 30.478 ms  
Loss rate: 11.92%  
-- Flow 1:  
Average throughput: 49.17 Mbit/s  
95th percentile per-packet one-way delay: 25.653 ms  
Loss rate: 4.36%  
-- Flow 2:  
Average throughput: 28.70 Mbit/s  
95th percentile per-packet one-way delay: 30.200 ms  
Loss rate: 5.96%  
-- Flow 3:  
Average throughput: 28.99 Mbit/s  
95th percentile per-packet one-way delay: 32.589 ms  
Loss rate: 42.71%

Run 3: Report of Verus — Data Link

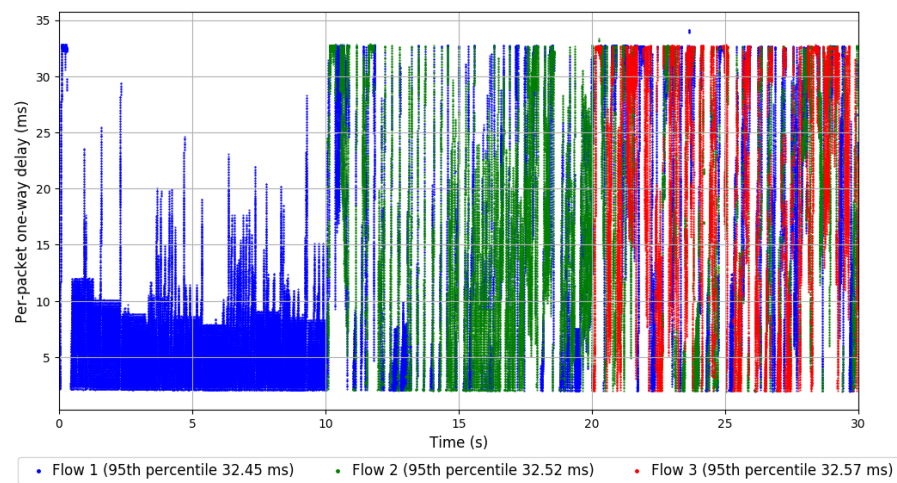
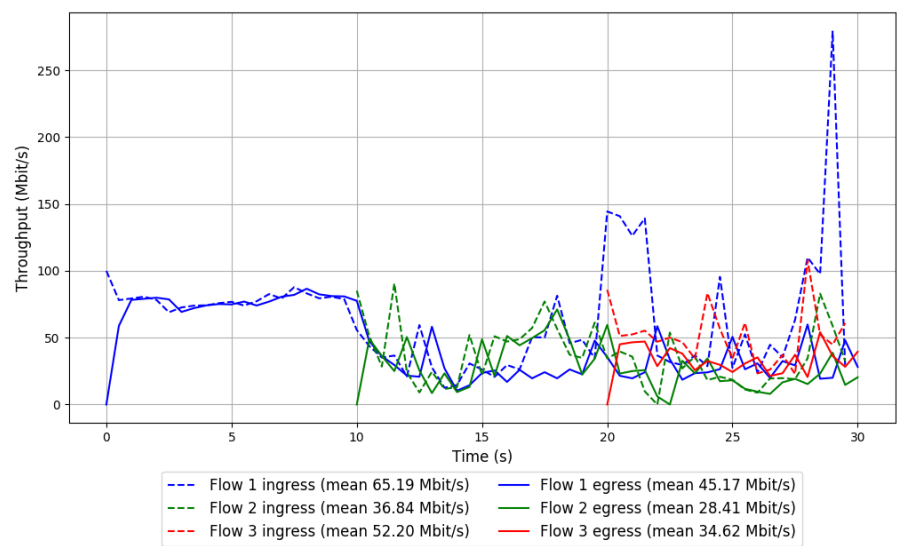


Run 4: Statistics of Verus

Start at: 2018-07-10 04:37:11  
End at: 2018-07-10 04:37:41  
Local clock offset: -2.045 ms  
Remote clock offset: 28.196 ms

# Below is generated by plot.py at 2018-07-10 07:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.50 Mbit/s  
95th percentile per-packet one-way delay: 32.511 ms  
Loss rate: 29.32%  
-- Flow 1:  
Average throughput: 45.17 Mbit/s  
95th percentile per-packet one-way delay: 32.445 ms  
Loss rate: 30.65%  
-- Flow 2:  
Average throughput: 28.41 Mbit/s  
95th percentile per-packet one-way delay: 32.520 ms  
Loss rate: 22.76%  
-- Flow 3:  
Average throughput: 34.62 Mbit/s  
95th percentile per-packet one-way delay: 32.570 ms  
Loss rate: 33.55%

Run 4: Report of Verus — Data Link



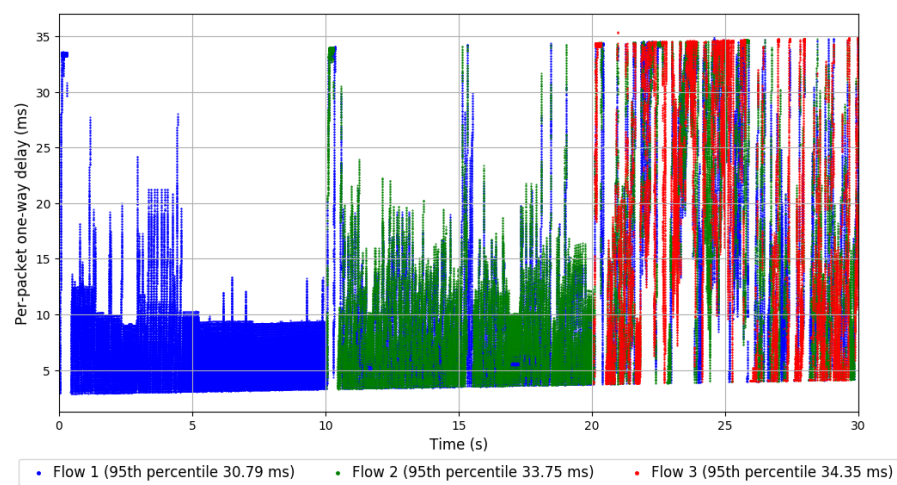
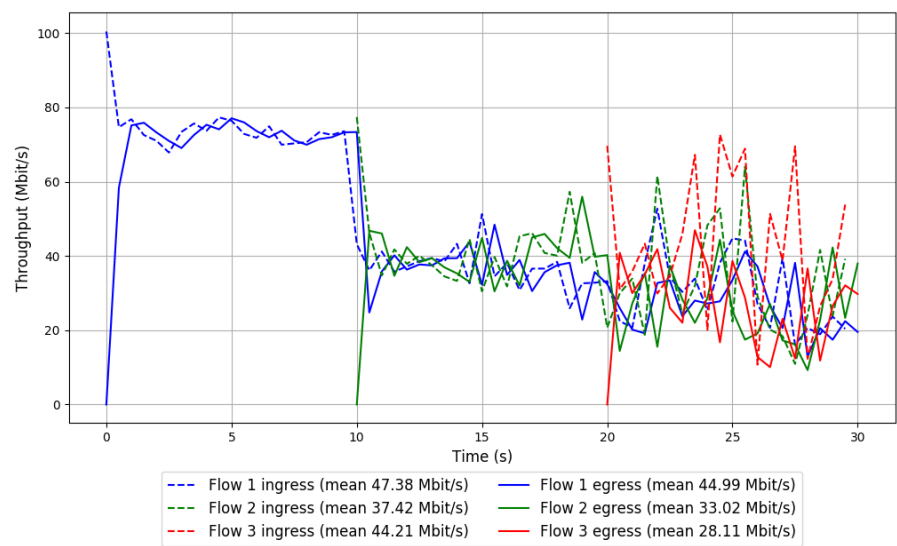
Run 5: Statistics of Verus

Start at: 2018-07-10 04:56:24  
End at: 2018-07-10 04:56:54  
Local clock offset: -2.012 ms  
Remote clock offset: 23.034 ms

# Below is generated by plot.py at 2018-07-10 07:17:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.30 Mbit/s  
95th percentile per-packet one-way delay: 33.317 ms  
Loss rate: 12.13%  
-- Flow 1:  
Average throughput: 44.99 Mbit/s  
95th percentile per-packet one-way delay: 30.792 ms  
Loss rate: 4.93%  
-- Flow 2:  
Average throughput: 33.02 Mbit/s  
95th percentile per-packet one-way delay: 33.753 ms  
Loss rate: 11.66%  
-- Flow 3:  
Average throughput: 28.11 Mbit/s  
95th percentile per-packet one-way delay: 34.352 ms  
Loss rate: 36.26%



Run 5: Report of Verus — Data Link

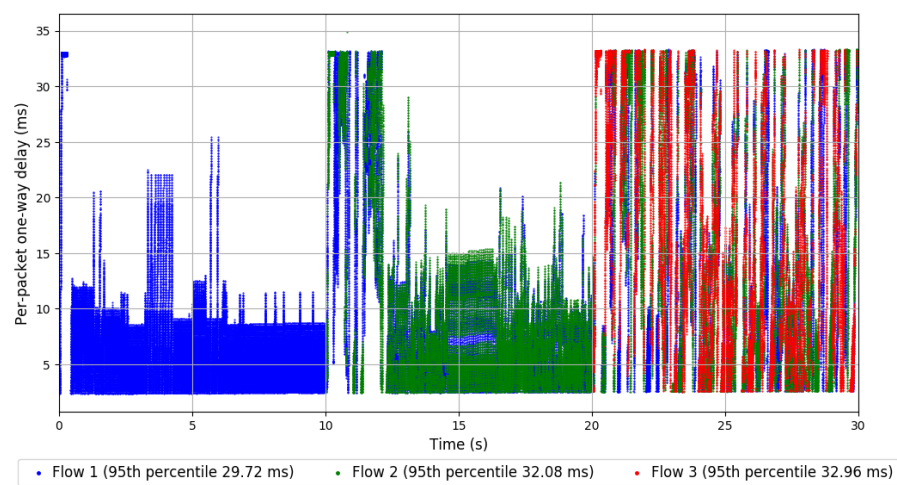
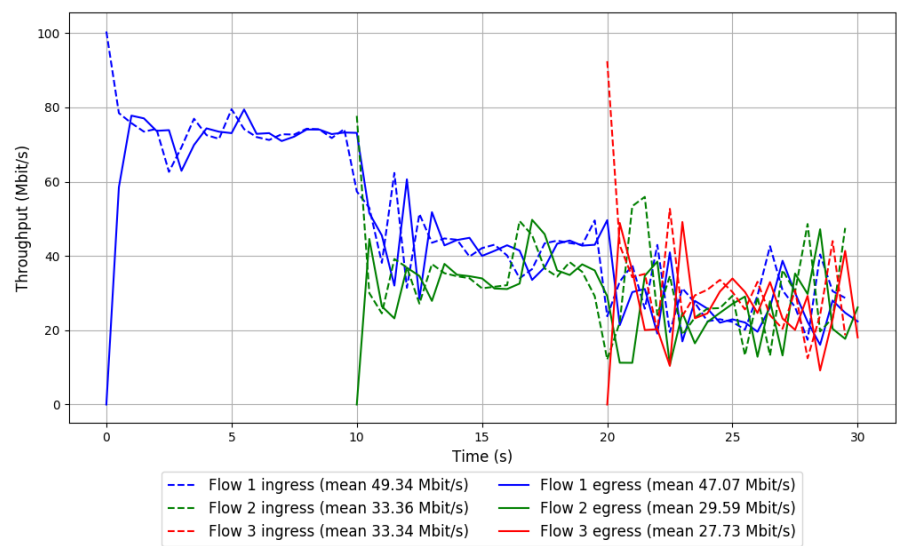


Run 6: Statistics of Verus

Start at: 2018-07-10 05:15:36  
End at: 2018-07-10 05:16:06  
Local clock offset: -1.947 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-07-10 07:17:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.93 Mbit/s  
95th percentile per-packet one-way delay: 31.564 ms  
Loss rate: 7.90%  
-- Flow 1:  
Average throughput: 47.07 Mbit/s  
95th percentile per-packet one-way delay: 29.722 ms  
Loss rate: 4.49%  
-- Flow 2:  
Average throughput: 29.59 Mbit/s  
95th percentile per-packet one-way delay: 32.083 ms  
Loss rate: 11.15%  
-- Flow 3:  
Average throughput: 27.73 Mbit/s  
95th percentile per-packet one-way delay: 32.961 ms  
Loss rate: 16.63%

Run 6: Report of Verus — Data Link

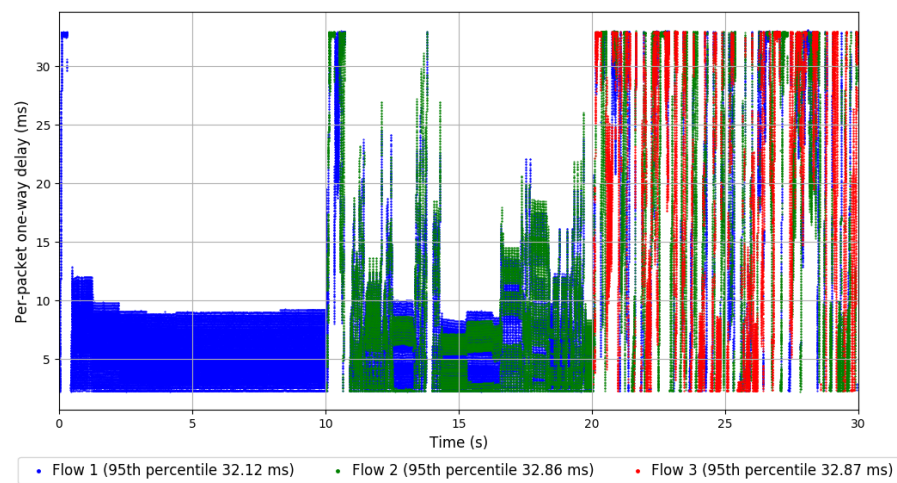
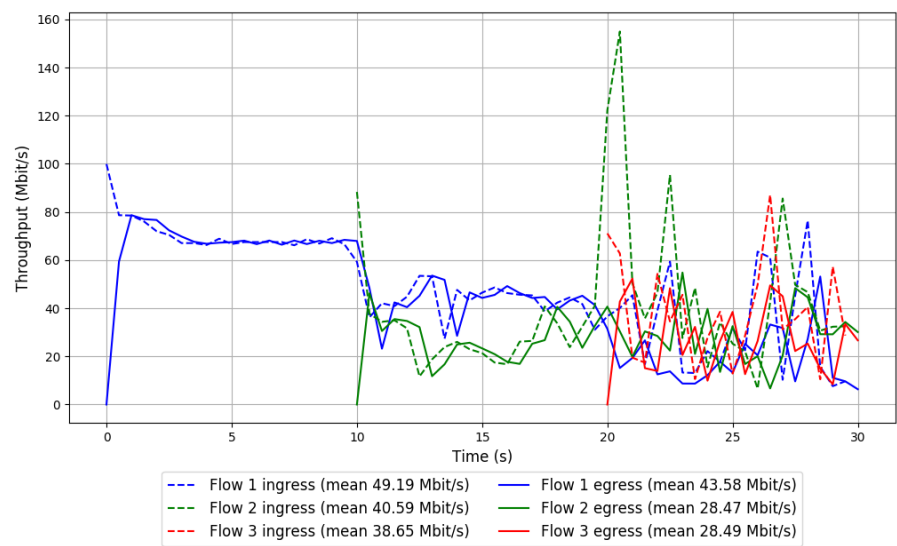


Run 7: Statistics of Verus

Start at: 2018-07-10 05:34:47  
End at: 2018-07-10 05:35:17  
Local clock offset: -1.777 ms  
Remote clock offset: -3.887 ms

# Below is generated by plot.py at 2018-07-10 07:17:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.94 Mbit/s  
95th percentile per-packet one-way delay: 32.739 ms  
Loss rate: 19.09%  
-- Flow 1:  
Average throughput: 43.58 Mbit/s  
95th percentile per-packet one-way delay: 32.124 ms  
Loss rate: 11.41%  
-- Flow 2:  
Average throughput: 28.47 Mbit/s  
95th percentile per-packet one-way delay: 32.862 ms  
Loss rate: 29.79%  
-- Flow 3:  
Average throughput: 28.49 Mbit/s  
95th percentile per-packet one-way delay: 32.873 ms  
Loss rate: 26.11%

Run 7: Report of Verus — Data Link

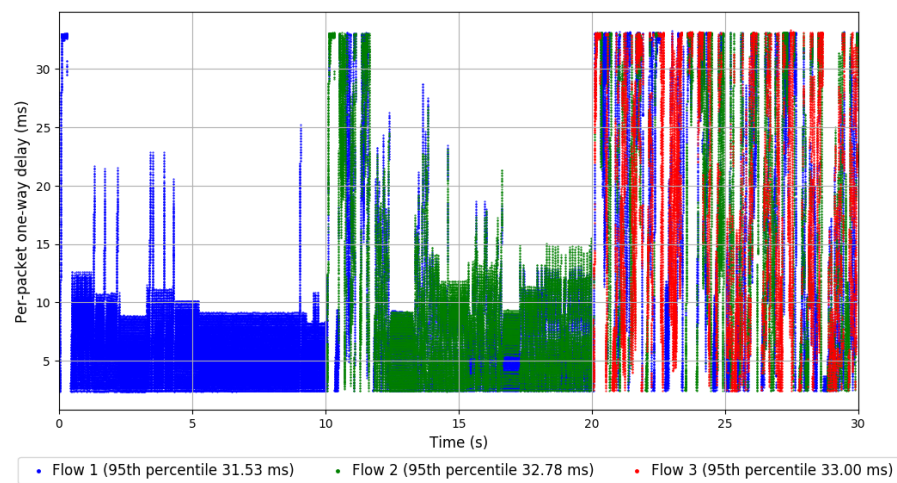
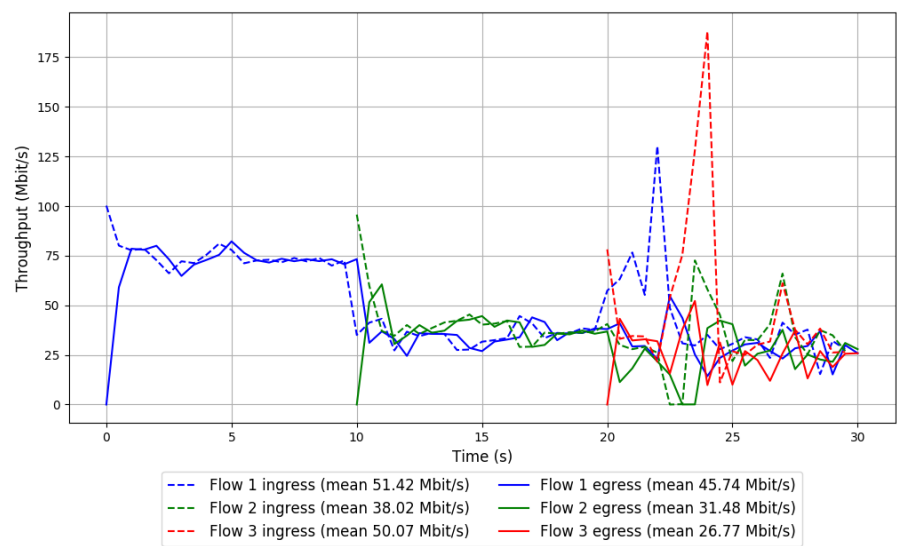


Run 8: Statistics of Verus

Start at: 2018-07-10 05:54:04  
End at: 2018-07-10 05:54:34  
Local clock offset: -1.64 ms  
Remote clock offset: -6.113 ms

# Below is generated by plot.py at 2018-07-10 07:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.56 Mbit/s  
95th percentile per-packet one-way delay: 32.703 ms  
Loss rate: 18.95%  
-- Flow 1:  
Average throughput: 45.74 Mbit/s  
95th percentile per-packet one-way delay: 31.531 ms  
Loss rate: 10.99%  
-- Flow 2:  
Average throughput: 31.48 Mbit/s  
95th percentile per-packet one-way delay: 32.777 ms  
Loss rate: 17.12%  
-- Flow 3:  
Average throughput: 26.77 Mbit/s  
95th percentile per-packet one-way delay: 33.002 ms  
Loss rate: 46.42%

Run 8: Report of Verus — Data Link



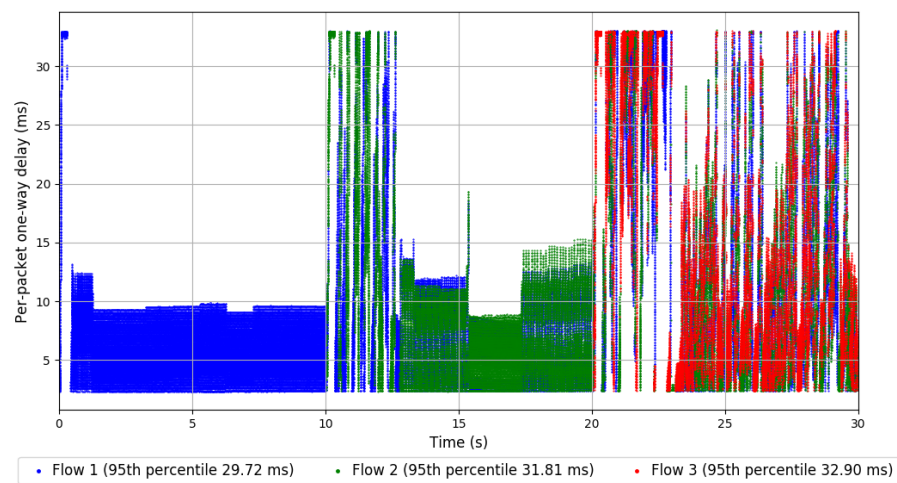
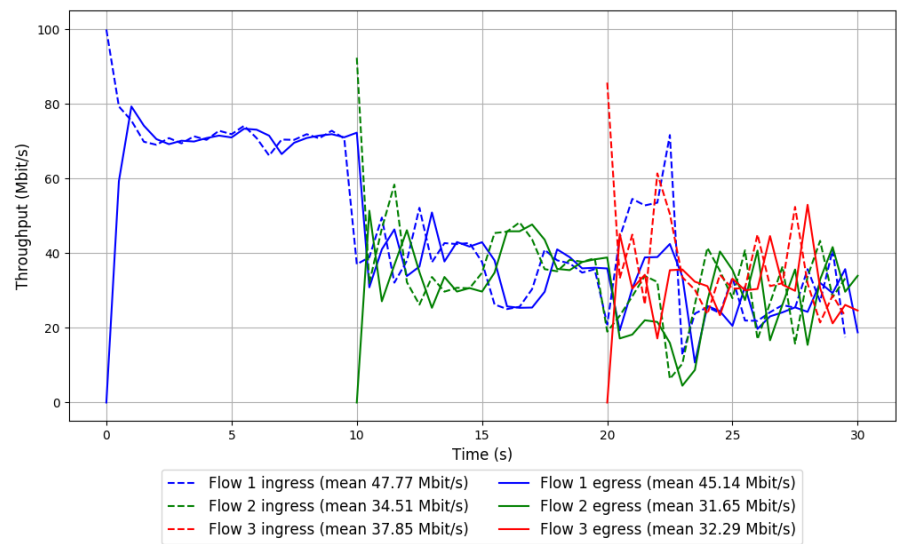
Run 9: Statistics of Verus

Start at: 2018-07-10 06:13:16  
End at: 2018-07-10 06:13:46  
Local clock offset: -1.426 ms  
Remote clock offset: -8.479 ms

# Below is generated by plot.py at 2018-07-10 07:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.89 Mbit/s  
95th percentile per-packet one-way delay: 31.624 ms  
Loss rate: 7.66%  
-- Flow 1:  
Average throughput: 45.14 Mbit/s  
95th percentile per-packet one-way delay: 29.719 ms  
Loss rate: 5.50%  
-- Flow 2:  
Average throughput: 31.65 Mbit/s  
95th percentile per-packet one-way delay: 31.806 ms  
Loss rate: 8.30%  
-- Flow 3:  
Average throughput: 32.29 Mbit/s  
95th percentile per-packet one-way delay: 32.898 ms  
Loss rate: 14.69%



Run 9: Report of Verus — Data Link

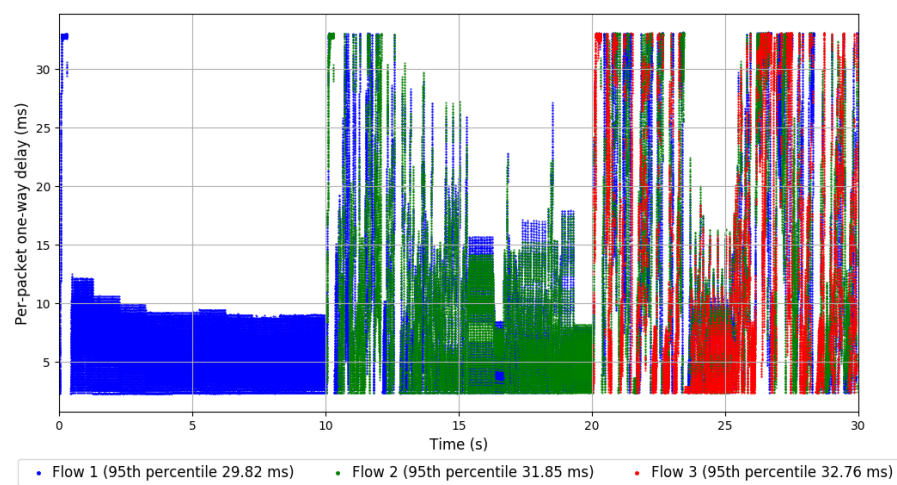
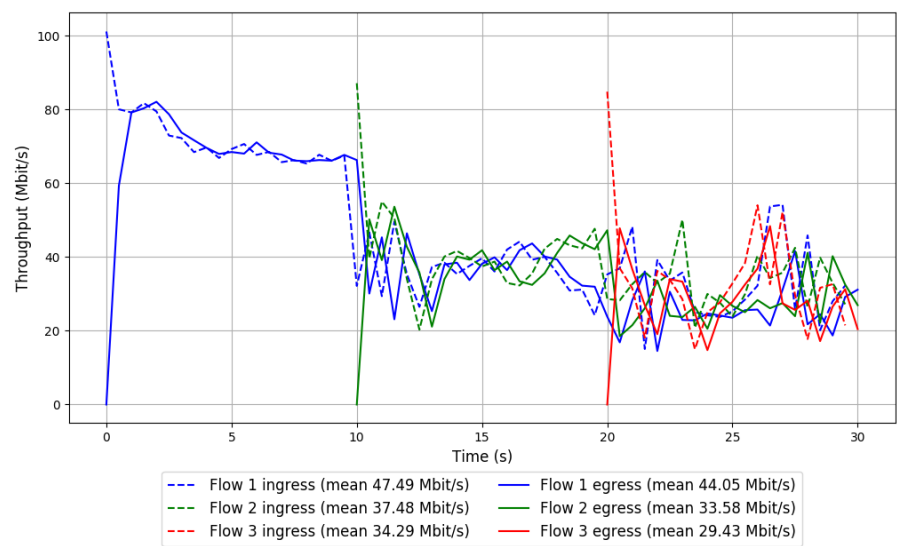


Run 10: Statistics of Verus

Start at: 2018-07-10 06:32:27  
End at: 2018-07-10 06:32:57  
Local clock offset: -1.222 ms  
Remote clock offset: -11.214 ms

# Below is generated by plot.py at 2018-07-10 07:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.15 Mbit/s  
95th percentile per-packet one-way delay: 31.438 ms  
Loss rate: 9.07%  
-- Flow 1:  
Average throughput: 44.05 Mbit/s  
95th percentile per-packet one-way delay: 29.823 ms  
Loss rate: 7.15%  
-- Flow 2:  
Average throughput: 33.58 Mbit/s  
95th percentile per-packet one-way delay: 31.854 ms  
Loss rate: 10.40%  
-- Flow 3:  
Average throughput: 29.43 Mbit/s  
95th percentile per-packet one-way delay: 32.760 ms  
Loss rate: 14.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 03:49:44

End at: 2018-07-10 03:50:14

Local clock offset: -2.24 ms

Remote clock offset: 1.878 ms

# Below is generated by plot.py at 2018-07-10 07:18:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.52 Mbit/s

95th percentile per-packet one-way delay: 2.588 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.65 Mbit/s

95th percentile per-packet one-way delay: 2.747 ms

Loss rate: 0.00%

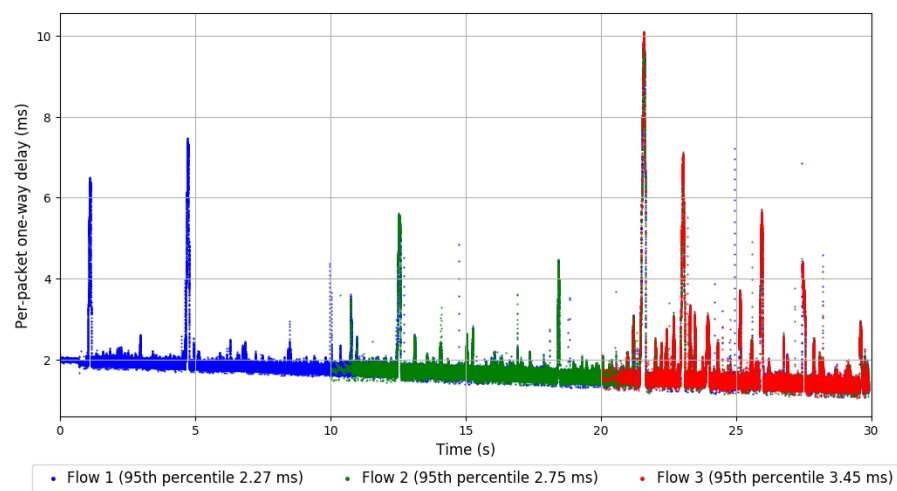
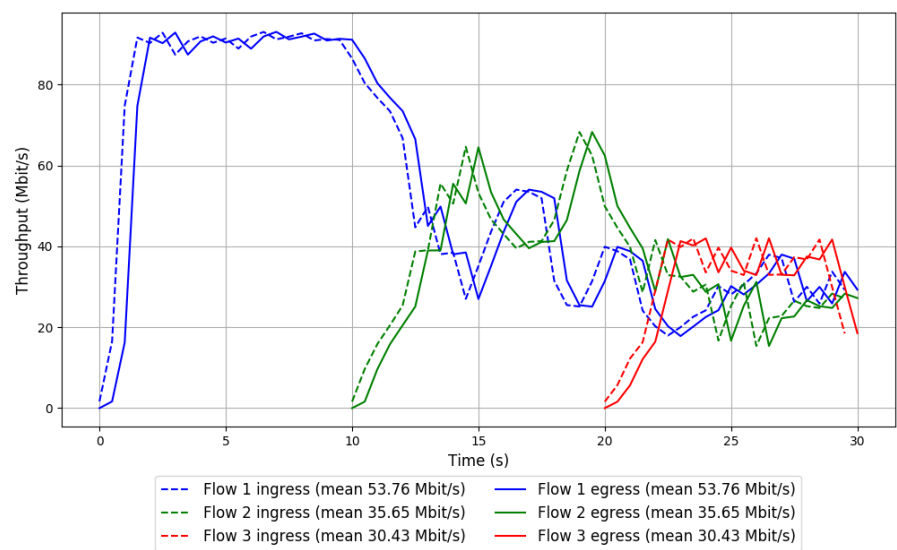
-- Flow 3:

Average throughput: 30.43 Mbit/s

95th percentile per-packet one-way delay: 3.453 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

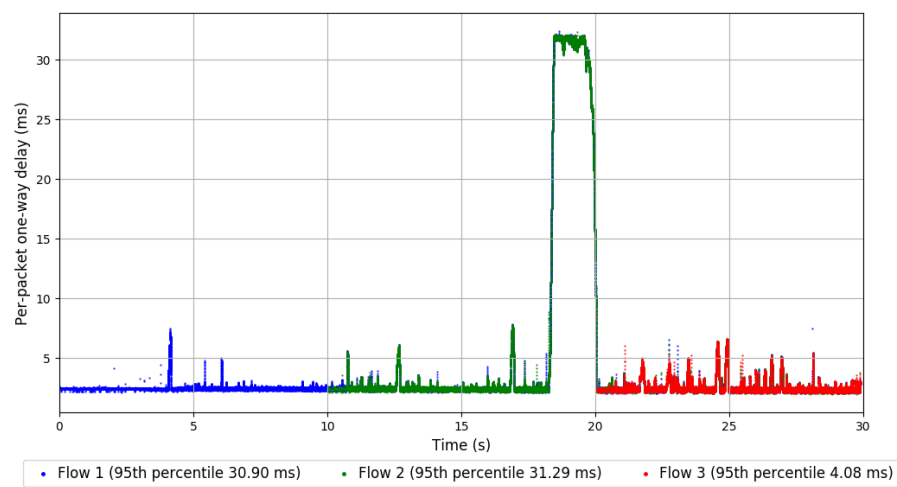
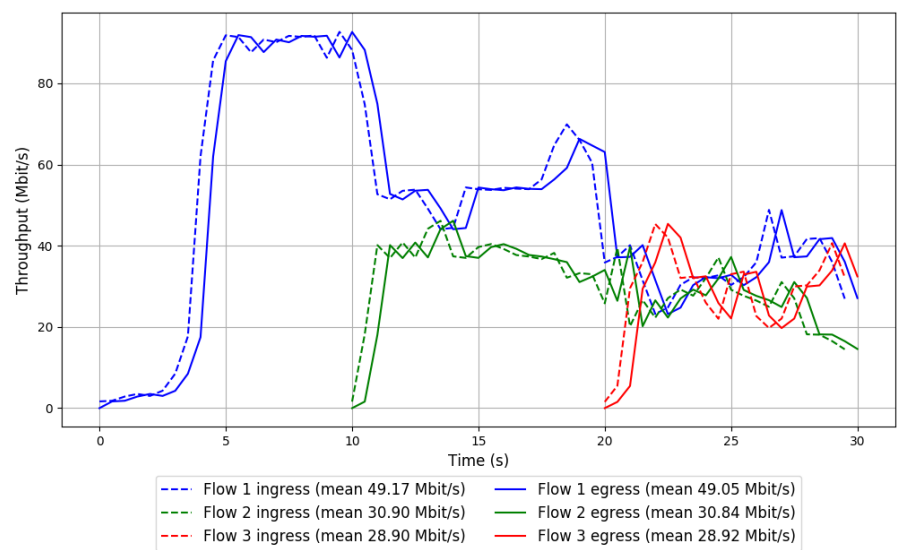


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 04:08:56  
End at: 2018-07-10 04:09:26  
Local clock offset: -2.279 ms  
Remote clock offset: 17.306 ms

# Below is generated by plot.py at 2018-07-10 07:18:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.11 Mbit/s  
95th percentile per-packet one-way delay: 30.039 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 49.05 Mbit/s  
95th percentile per-packet one-way delay: 30.903 ms  
Loss rate: 0.23%  
-- Flow 2:  
Average throughput: 30.84 Mbit/s  
95th percentile per-packet one-way delay: 31.288 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 28.92 Mbit/s  
95th percentile per-packet one-way delay: 4.081 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



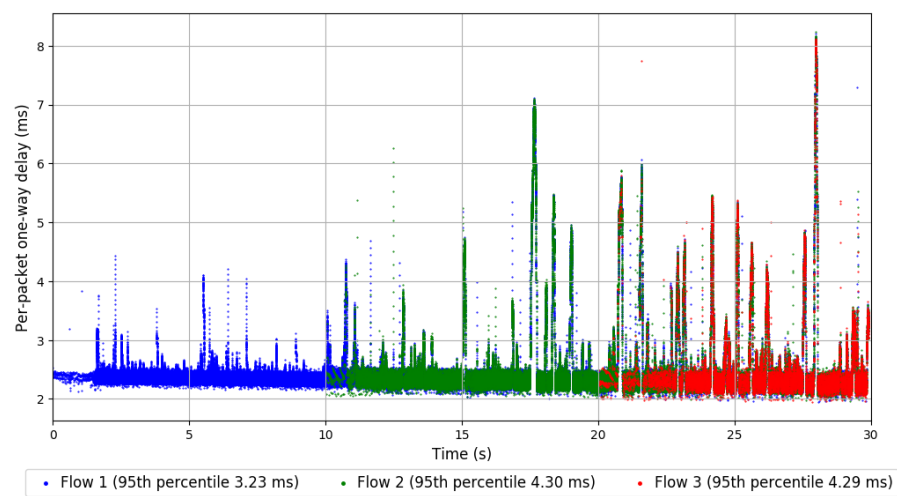
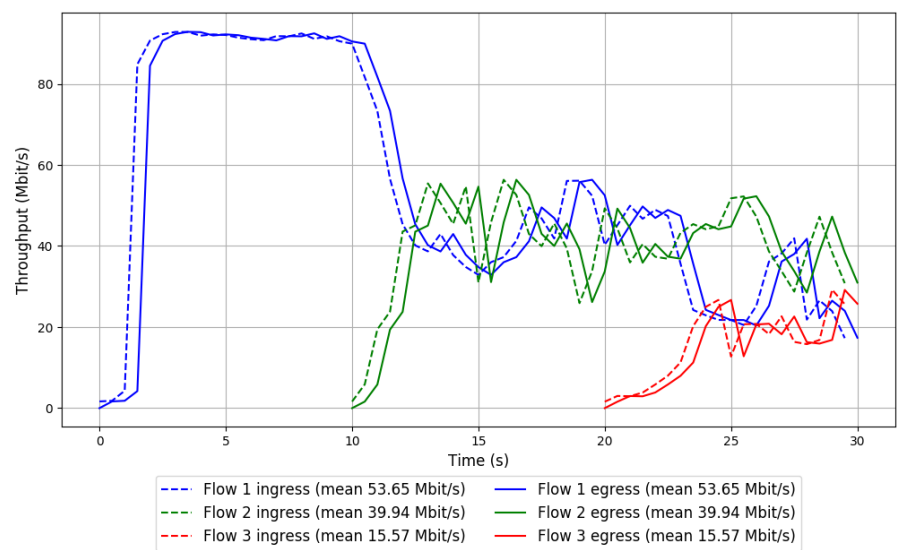
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 04:28:08  
End at: 2018-07-10 04:28:38  
Local clock offset: -2.091 ms  
Remote clock offset: 25.039 ms

```
# Below is generated by plot.py at 2018-07-10 07:18:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 3.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 3.226 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 4.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 4.293 ms
Loss rate: 0.00%
```



Run 3: Report of PCC-Vivace — Data Link

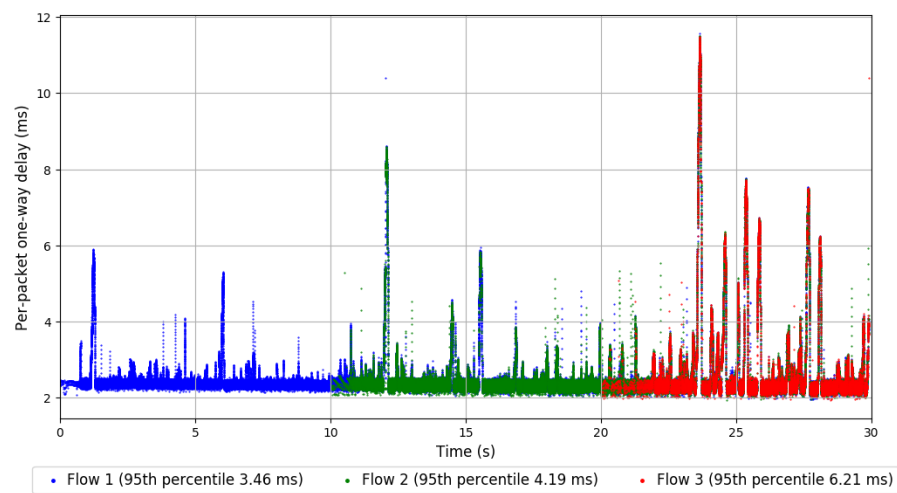
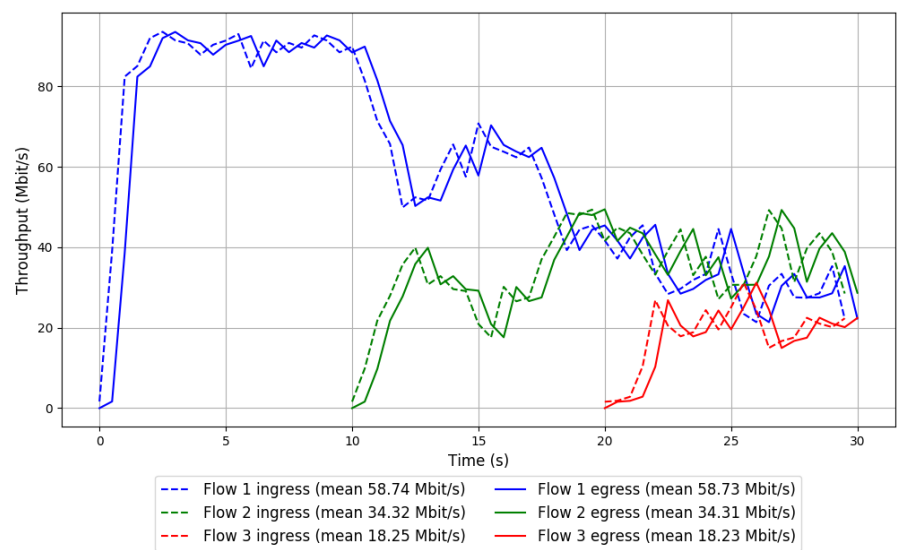


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 04:47:20  
End at: 2018-07-10 04:47:50  
Local clock offset: -1.997 ms  
Remote clock offset: 31.962 ms

# Below is generated by plot.py at 2018-07-10 07:18:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.56 Mbit/s  
95th percentile per-packet one-way delay: 3.896 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.73 Mbit/s  
95th percentile per-packet one-way delay: 3.462 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.31 Mbit/s  
95th percentile per-packet one-way delay: 4.187 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.23 Mbit/s  
95th percentile per-packet one-way delay: 6.215 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 05:06:32

End at: 2018-07-10 05:07:02

Local clock offset: -2.085 ms

Remote clock offset: 6.131 ms

# Below is generated by plot.py at 2018-07-10 07:18:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 5.607 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 3.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 11.412 ms

Loss rate: 0.00%

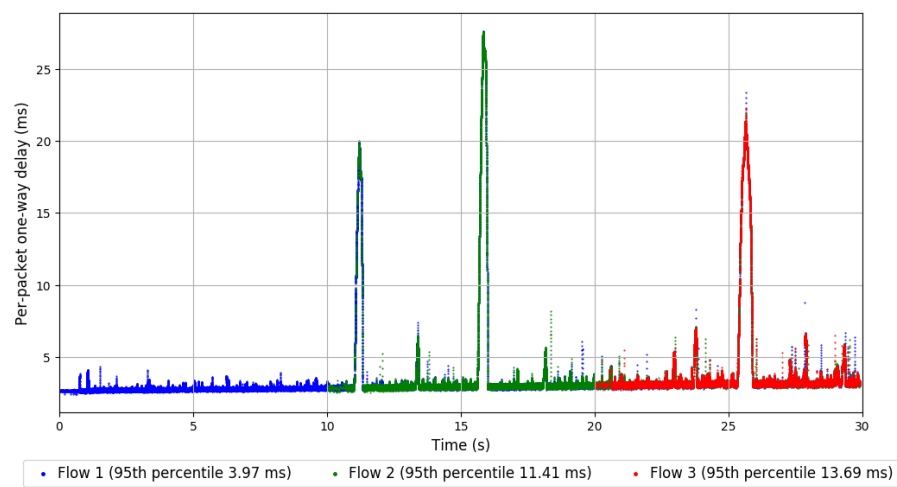
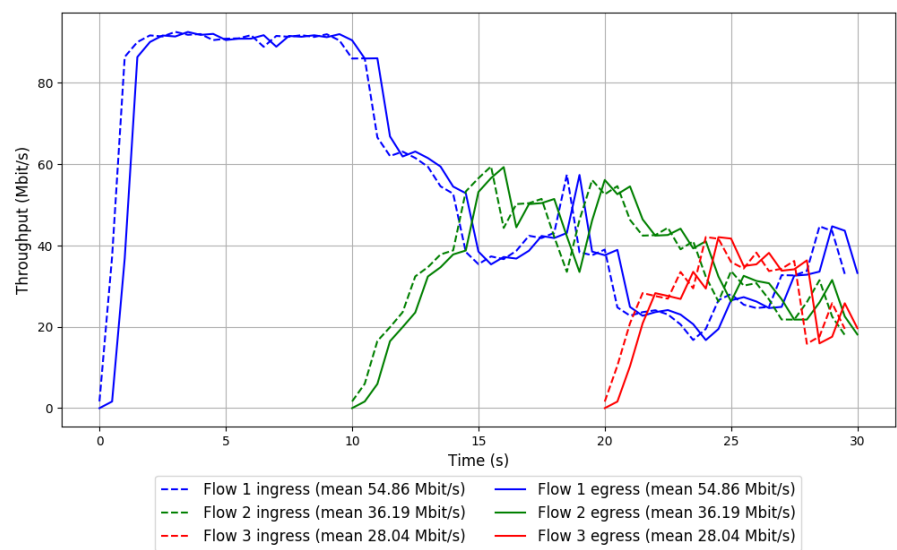
-- Flow 3:

Average throughput: 28.04 Mbit/s

95th percentile per-packet one-way delay: 13.687 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

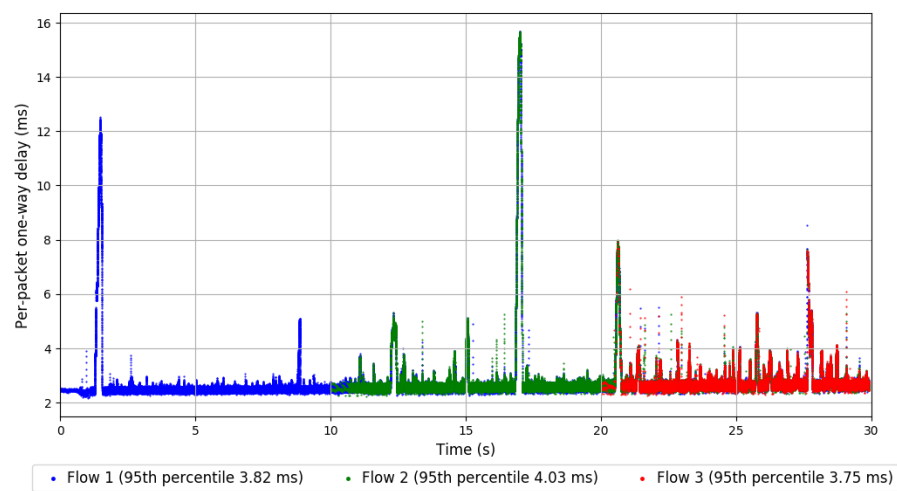
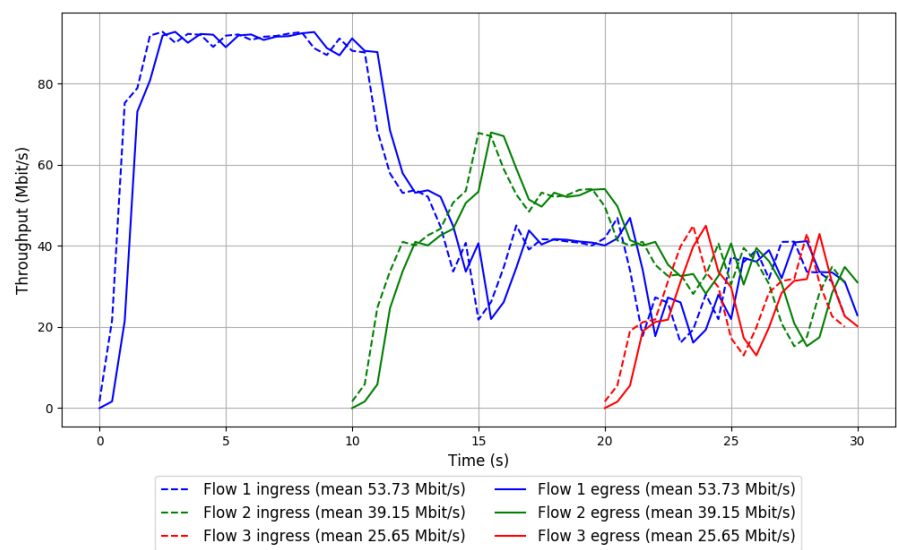


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 05:25:43  
End at: 2018-07-10 05:26:13  
Local clock offset: -1.851 ms  
Remote clock offset: -3.852 ms

# Below is generated by plot.py at 2018-07-10 07:19:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.25 Mbit/s  
95th percentile per-packet one-way delay: 3.866 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.73 Mbit/s  
95th percentile per-packet one-way delay: 3.818 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.15 Mbit/s  
95th percentile per-packet one-way delay: 4.031 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 25.65 Mbit/s  
95th percentile per-packet one-way delay: 3.753 ms  
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



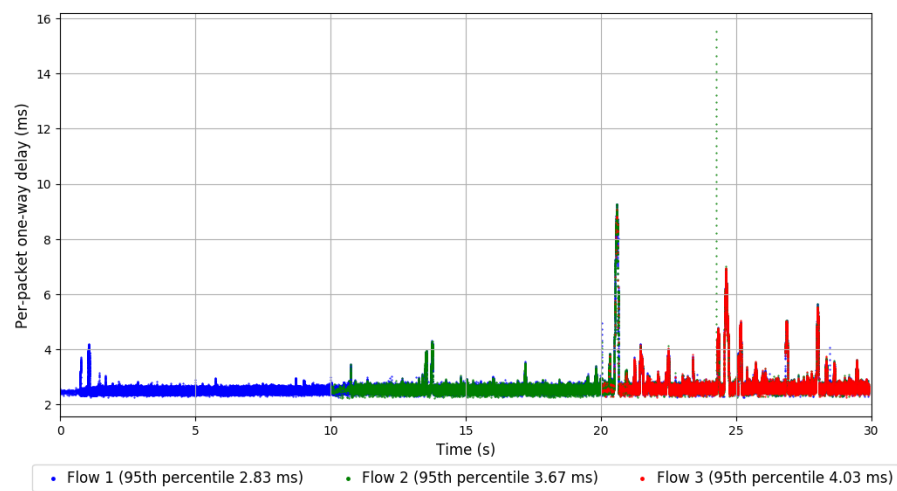
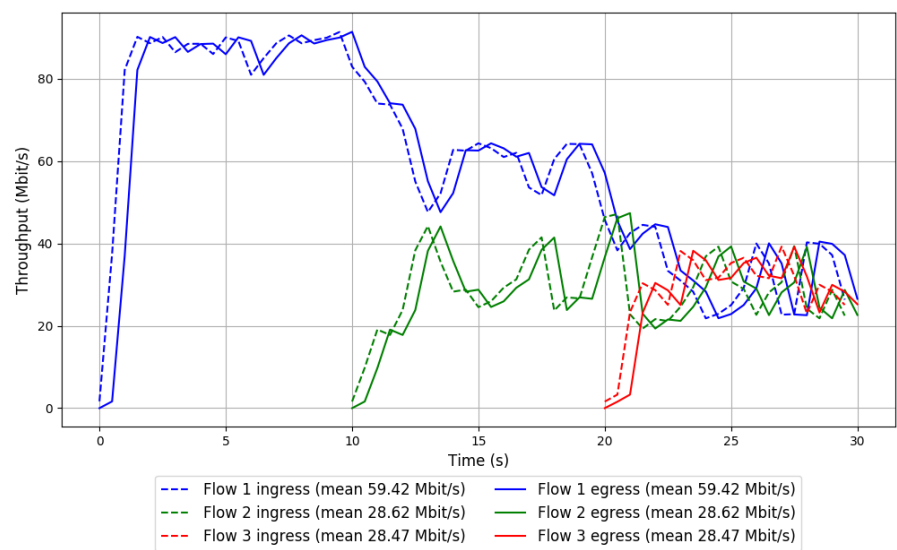
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 05:45:00  
End at: 2018-07-10 05:45:30  
Local clock offset: -1.763 ms  
Remote clock offset: -4.837 ms

# Below is generated by plot.py at 2018-07-10 07:19:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.86 Mbit/s  
95th percentile per-packet one-way delay: 3.158 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.42 Mbit/s  
95th percentile per-packet one-way delay: 2.828 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.62 Mbit/s  
95th percentile per-packet one-way delay: 3.666 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 28.47 Mbit/s  
95th percentile per-packet one-way delay: 4.027 ms  
Loss rate: 0.00%



Run 7: Report of PCC-Vivace — Data Link

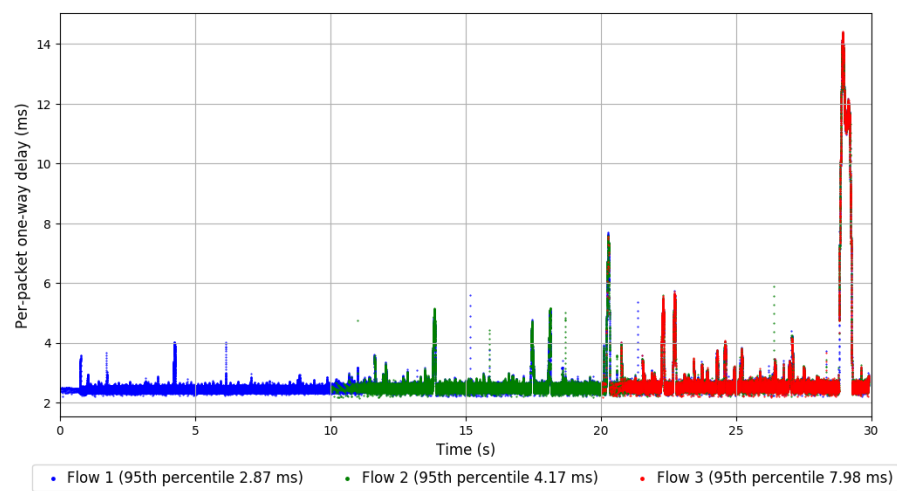
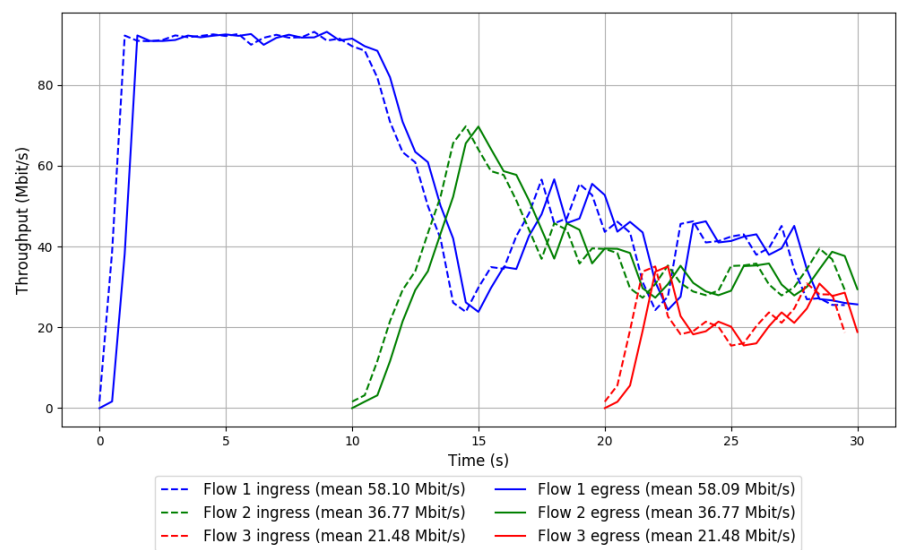


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 06:04:12  
End at: 2018-07-10 06:04:42  
Local clock offset: -1.554 ms  
Remote clock offset: -7.525 ms

# Below is generated by plot.py at 2018-07-10 07:19:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.64 Mbit/s  
95th percentile per-packet one-way delay: 3.256 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.09 Mbit/s  
95th percentile per-packet one-way delay: 2.872 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.77 Mbit/s  
95th percentile per-packet one-way delay: 4.174 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 21.48 Mbit/s  
95th percentile per-packet one-way delay: 7.982 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

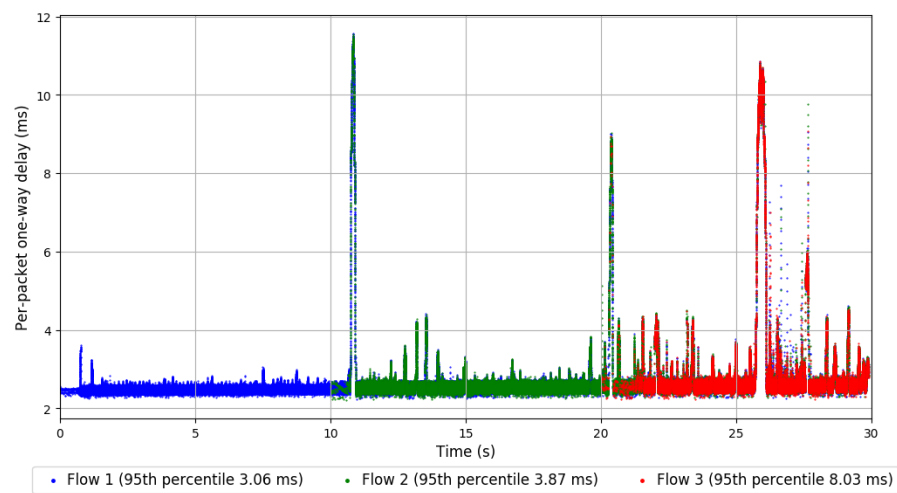
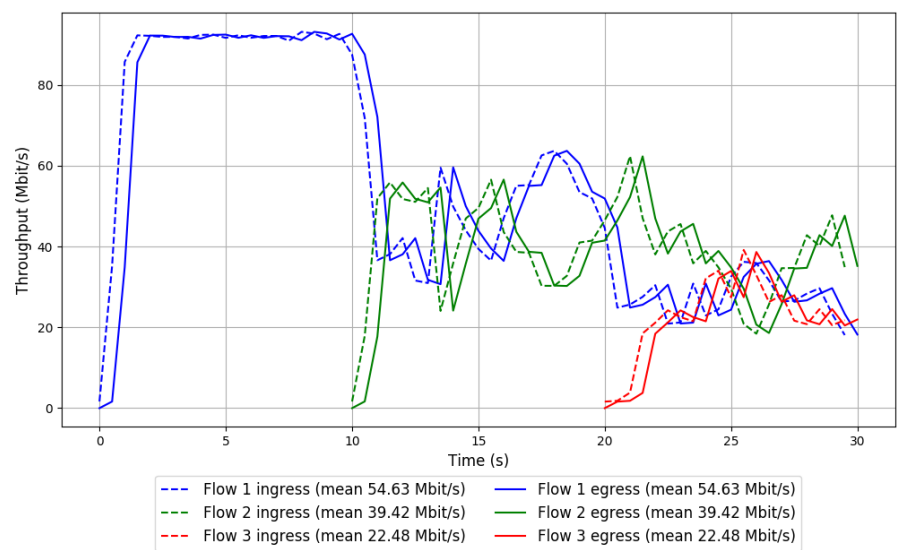


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 06:23:24  
End at: 2018-07-10 06:23:54  
Local clock offset: -1.302 ms  
Remote clock offset: -9.814 ms

# Below is generated by plot.py at 2018-07-10 07:19:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.29 Mbit/s  
95th percentile per-packet one-way delay: 3.528 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 54.63 Mbit/s  
95th percentile per-packet one-way delay: 3.060 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.42 Mbit/s  
95th percentile per-packet one-way delay: 3.865 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 22.48 Mbit/s  
95th percentile per-packet one-way delay: 8.027 ms  
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

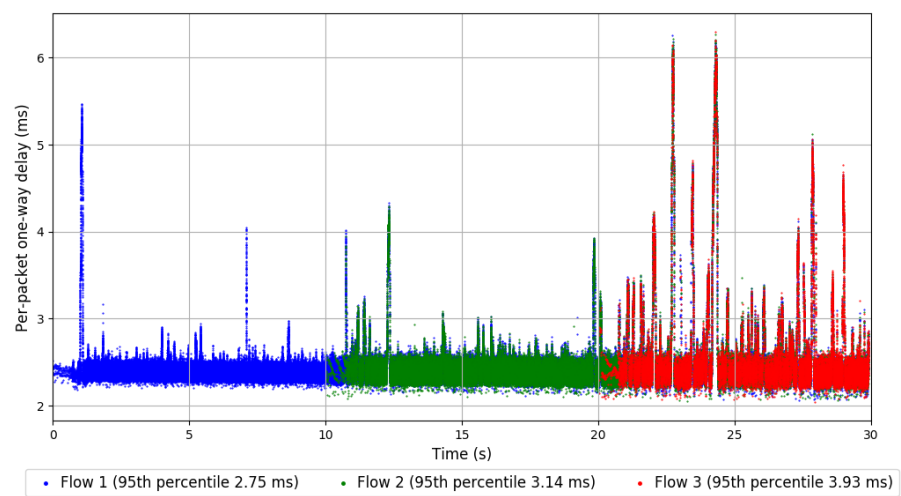
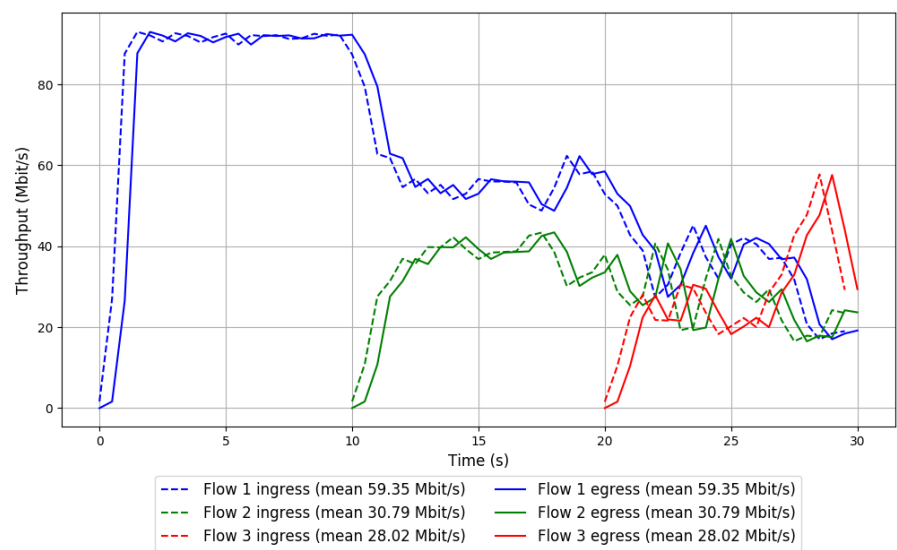


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 06:42:35  
End at: 2018-07-10 06:43:05  
Local clock offset: -1.088 ms  
Remote clock offset: -9.198 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.09 Mbit/s  
95th percentile per-packet one-way delay: 2.985 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.35 Mbit/s  
95th percentile per-packet one-way delay: 2.751 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 30.79 Mbit/s  
95th percentile per-packet one-way delay: 3.137 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 28.02 Mbit/s  
95th percentile per-packet one-way delay: 3.927 ms  
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-10 03:54:18

End at: 2018-07-10 03:54:48

Local clock offset: -2.246 ms

Remote clock offset: 7.534 ms

# Below is generated by plot.py at 2018-07-10 07:19:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 5.787 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 5.411 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 6.202 ms

Loss rate: 0.00%

-- Flow 3:

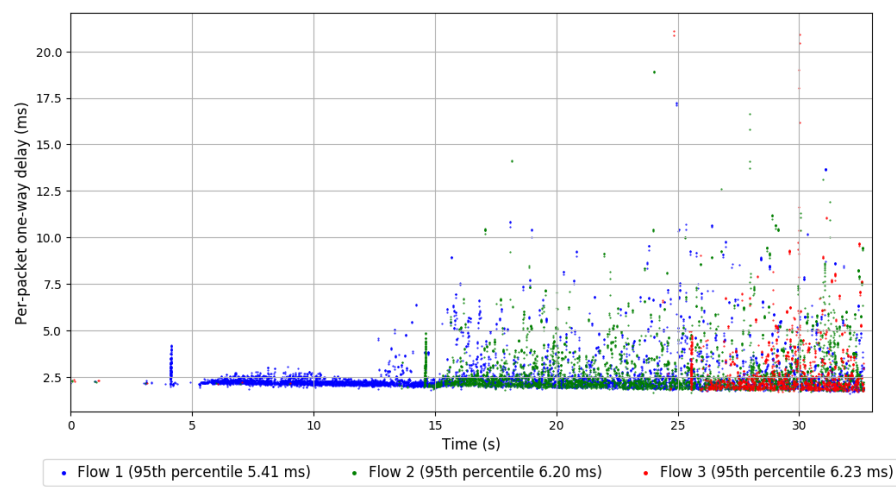
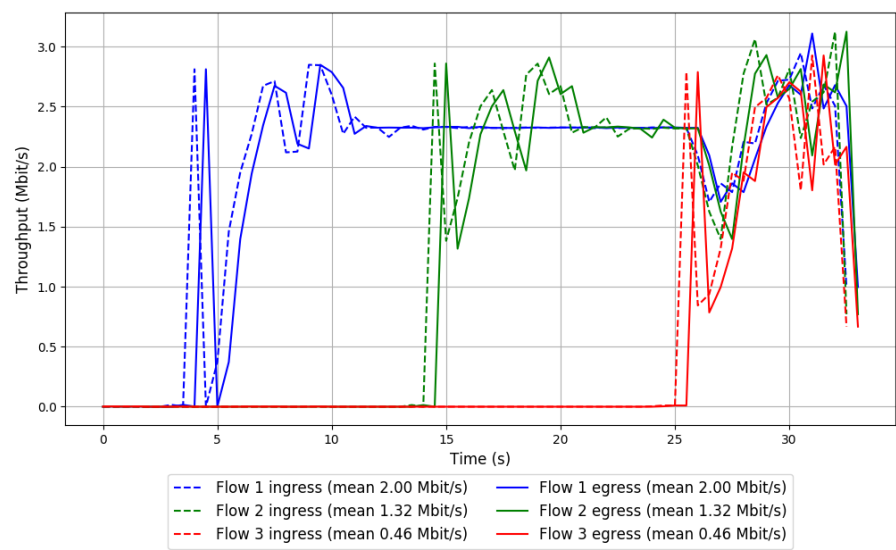
Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 6.229 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

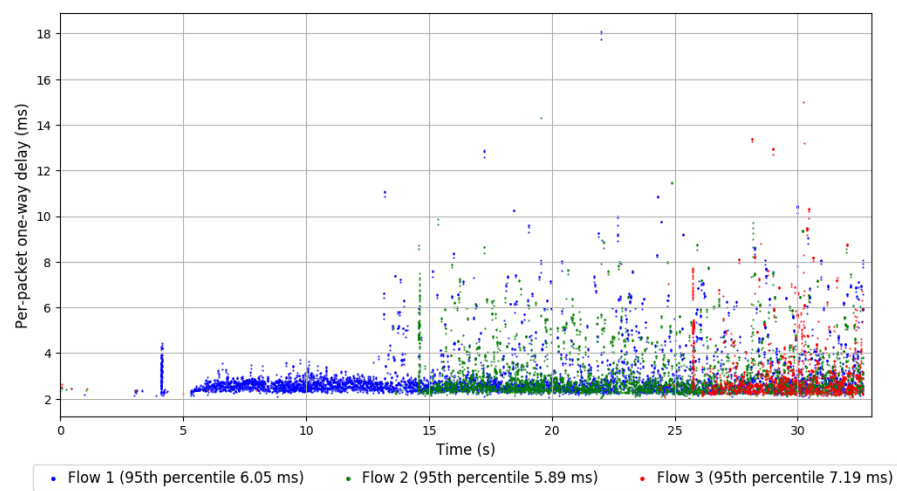
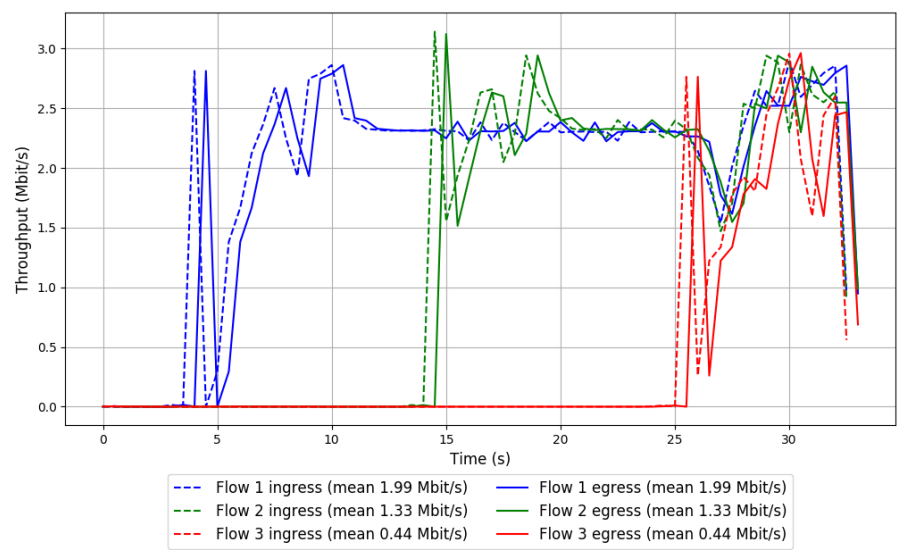


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 04:13:30  
End at: 2018-07-10 04:14:00  
Local clock offset: -2.192 ms  
Remote clock offset: 19.313 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.75 Mbit/s  
95th percentile per-packet one-way delay: 6.096 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 6.048 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.33 Mbit/s  
95th percentile per-packet one-way delay: 5.894 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 7.187 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

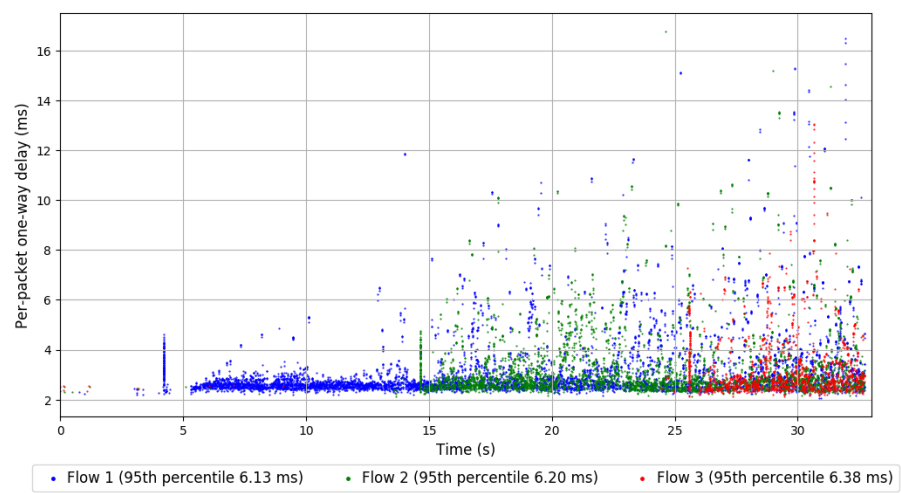
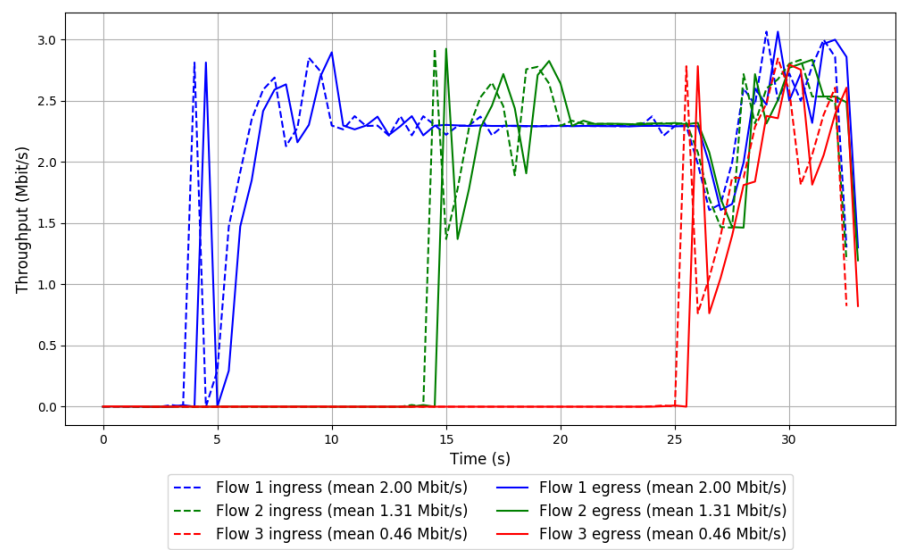


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 04:32:42  
End at: 2018-07-10 04:33:12  
Local clock offset: -2.154 ms  
Remote clock offset: 26.703 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.75 Mbit/s  
95th percentile per-packet one-way delay: 6.210 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 6.131 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.31 Mbit/s  
95th percentile per-packet one-way delay: 6.201 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 6.382 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 04:51:54

End at: 2018-07-10 04:52:24

Local clock offset: -2.01 ms

Remote clock offset: 33.57 ms

# Below is generated by plot.py at 2018-07-10 07:19:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 6.116 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 5.729 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 6.126 ms

Loss rate: 0.00%

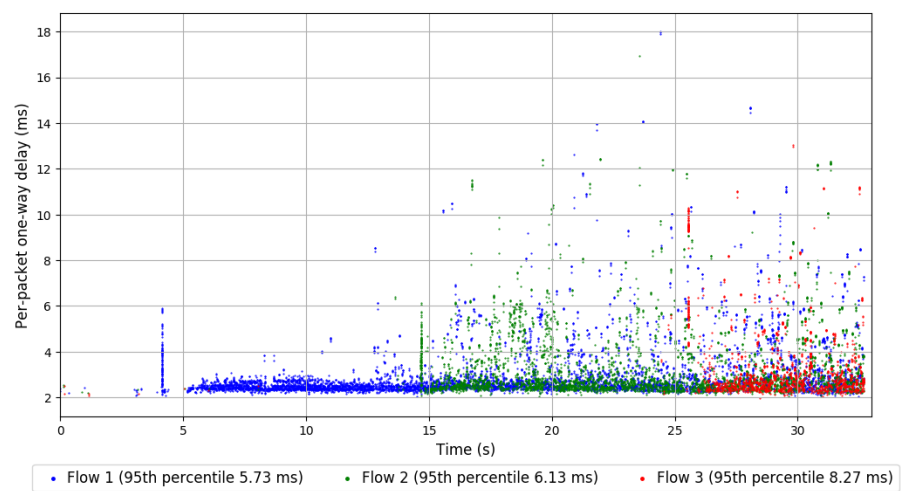
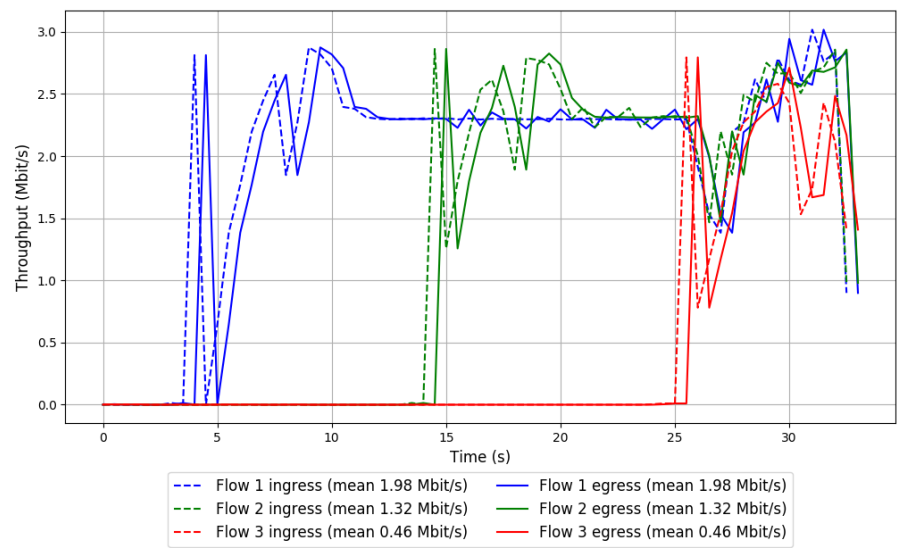
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 8.271 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 05:11:06

End at: 2018-07-10 05:11:36

Local clock offset: -1.986 ms

Remote clock offset: 2.311 ms

# Below is generated by plot.py at 2018-07-10 07:19:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 6.532 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 6.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 6.135 ms

Loss rate: 0.00%

-- Flow 3:

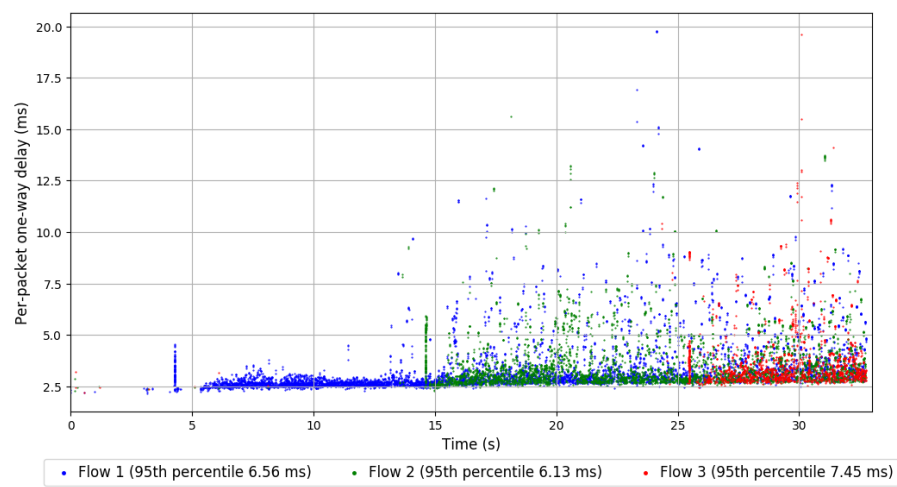
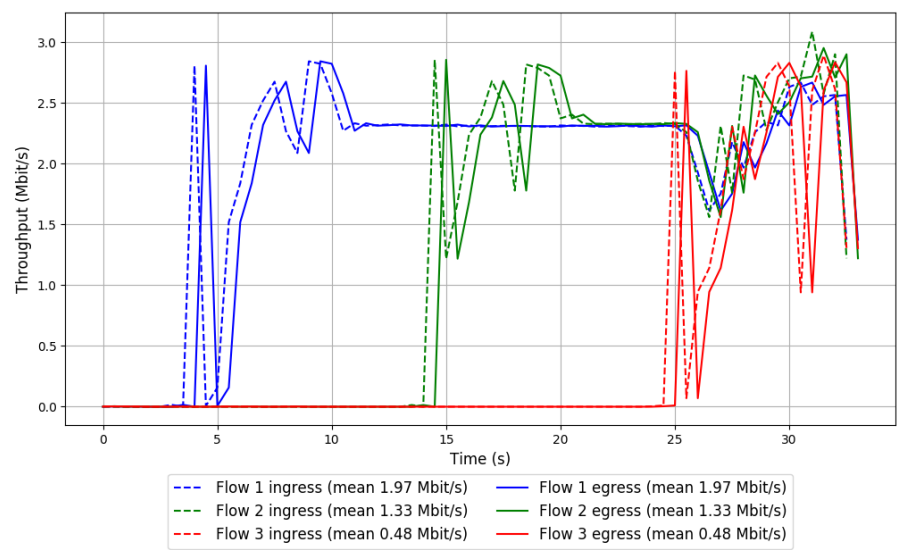
Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 7.449 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

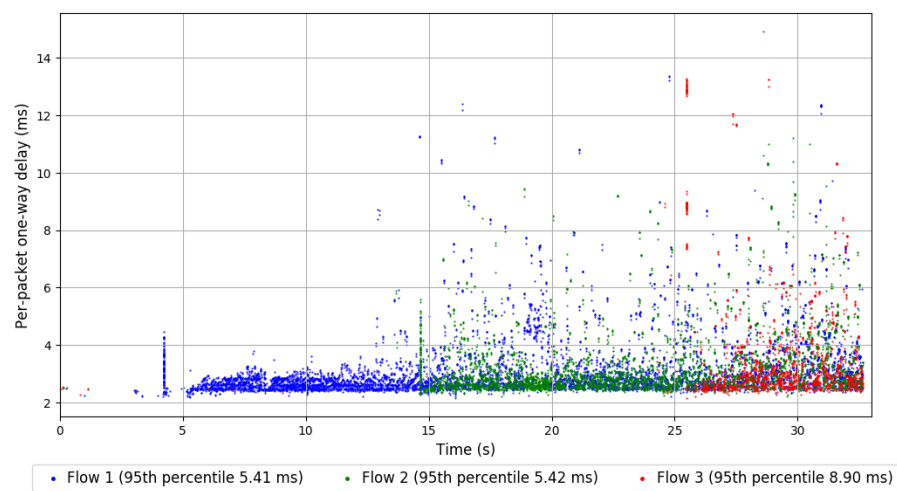
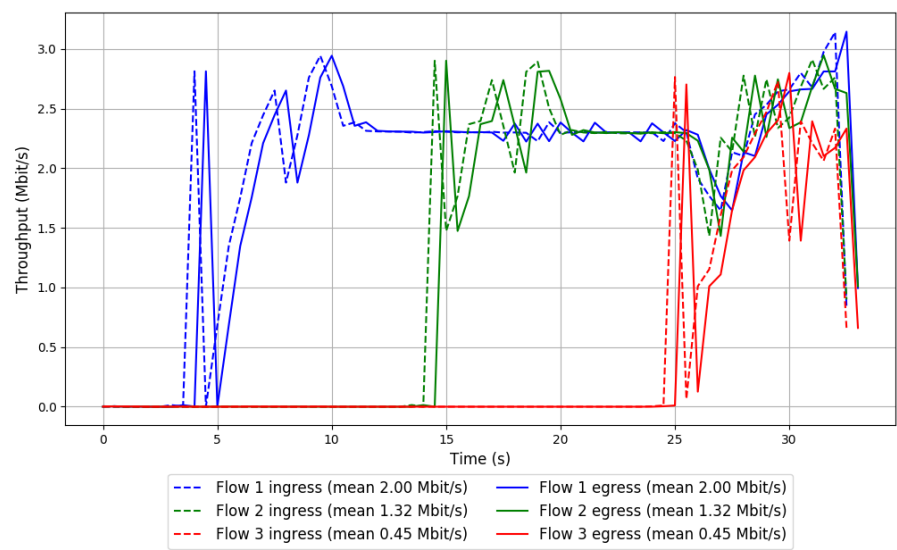


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 05:30:18  
End at: 2018-07-10 05:30:48  
Local clock offset: -1.854 ms  
Remote clock offset: -3.908 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.76 Mbit/s  
95th percentile per-packet one-way delay: 5.955 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 5.408 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 5.417 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 8.898 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

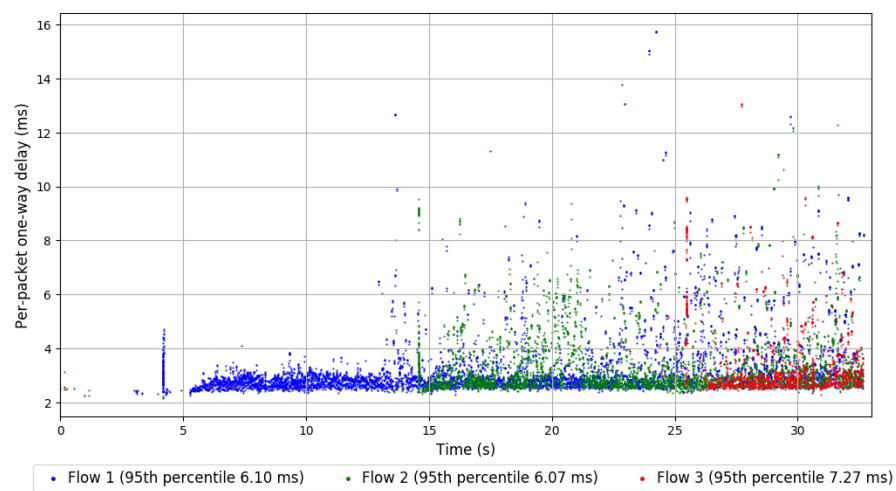
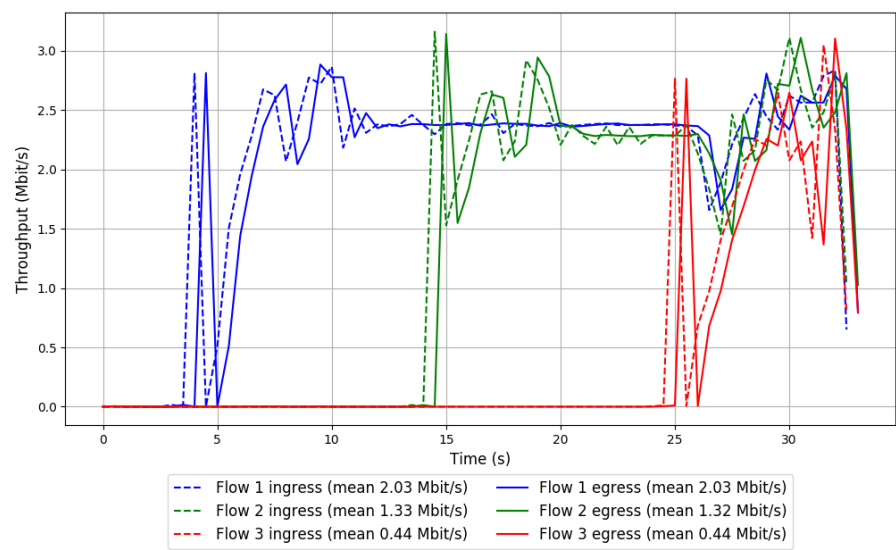


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 05:49:35  
End at: 2018-07-10 05:50:05  
Local clock offset: -1.729 ms  
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.79 Mbit/s  
95th percentile per-packet one-way delay: 6.179 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.03 Mbit/s  
95th percentile per-packet one-way delay: 6.098 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 6.071 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 7.268 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

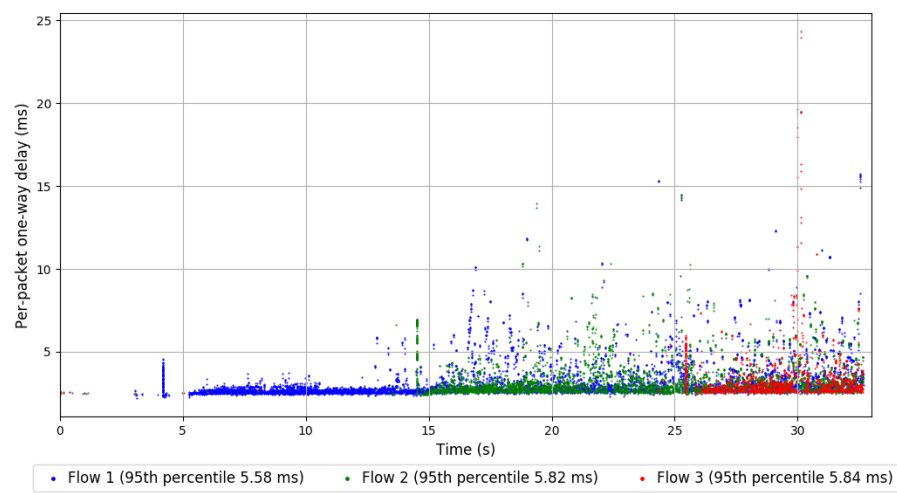
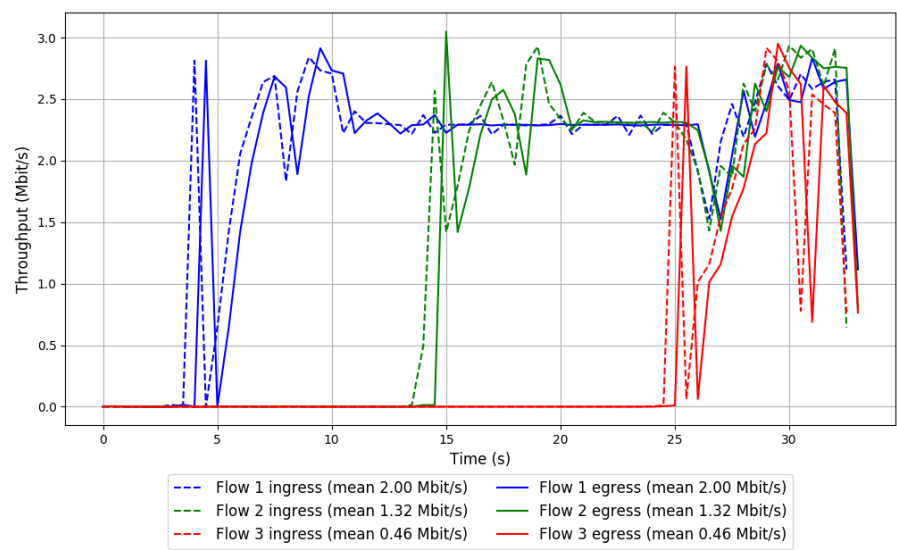


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 06:08:47  
End at: 2018-07-10 06:09:17  
Local clock offset: -1.486 ms  
Remote clock offset: -7.905 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.78 Mbit/s  
95th percentile per-packet one-way delay: 5.697 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 5.581 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 5.822 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 5.840 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



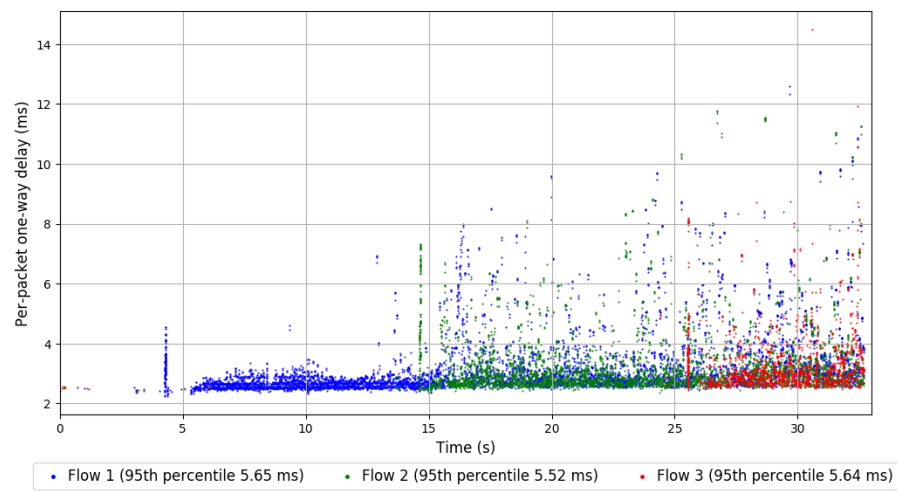
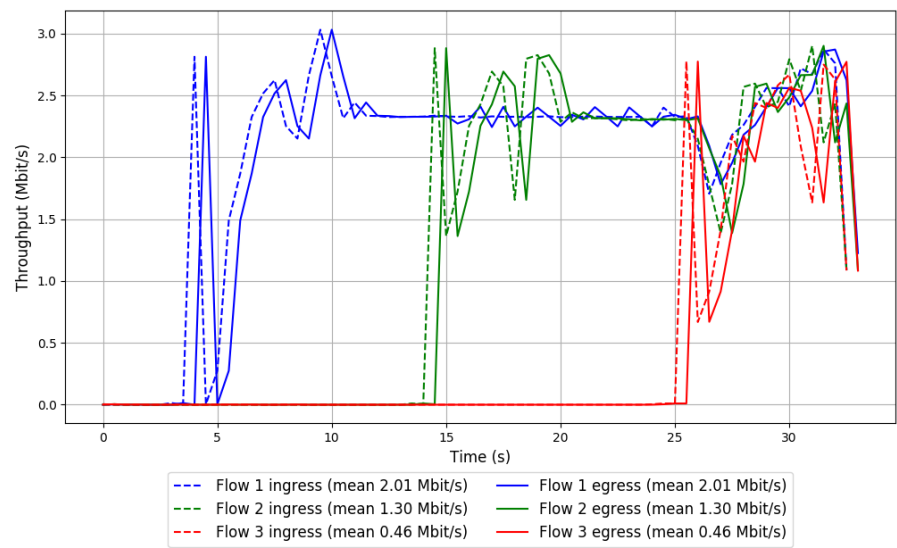
Run 9: Statistics of WebRTC media

Start at: 2018-07-10 06:27:58  
End at: 2018-07-10 06:28:28  
Local clock offset: -1.251 ms  
Remote clock offset: -10.472 ms

# Below is generated by plot.py at 2018-07-10 07:19:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.76 Mbit/s  
95th percentile per-packet one-way delay: 5.611 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.01 Mbit/s  
95th percentile per-packet one-way delay: 5.651 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 5.519 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 5.643 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 06:47:10

End at: 2018-07-10 06:47:40

Local clock offset: -0.986 ms

Remote clock offset: -8.73 ms

# Below is generated by plot.py at 2018-07-10 07:19:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 5.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 5.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 5.437 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 8.287 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

