

## Pantheon Report

Generated at 2018-06-30 03:47:34 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford 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.

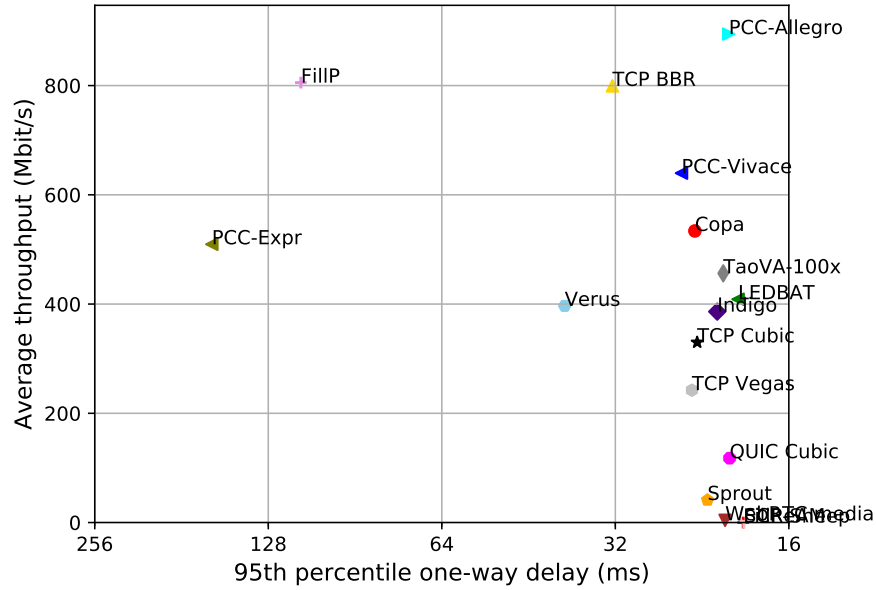
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

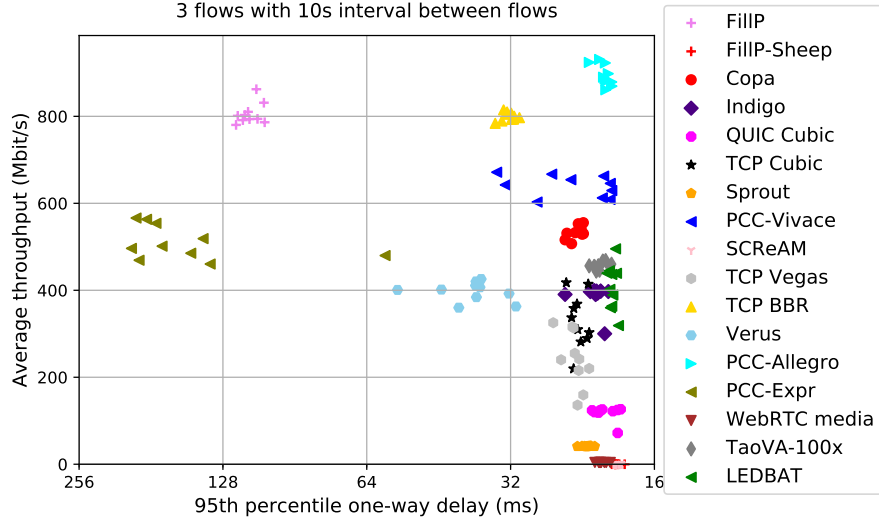
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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 California 1 to Stanford, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 to Stanford, 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	456.03	360.03	311.26	33.51	26.34	20.58	5.72	10.03	12.24
Copa	10	289.97	254.98	222.73	22.48	23.67	24.69	0.03	0.06	0.09
TCP Cubic	10	171.24	139.85	196.99	23.02	22.61	24.10	0.07	0.08	0.12
FillP	10	484.17	339.07	287.72	109.49	109.14	106.10	12.03	19.51	22.04
FillP-Sheep	10	0.00	0.00	0.00	18.90	18.85	18.94	0.00	0.00	0.00
Indigo	10	190.47	199.72	194.45	22.23	20.46	20.54	0.01	0.01	0.01
LEDBAT	10	231.26	196.70	139.89	19.65	19.43	19.56	0.02	0.04	0.03
PCC-Allegro	10	775.56	134.88	88.12	20.42	19.53	19.81	0.42	0.36	0.37
PCC-Expr	10	302.86	270.28	81.23	145.18	156.92	24.19	1.75	2.96	0.21
QUIC Cubic	10	61.19	59.59	51.79	19.19	20.21	22.74	0.01	0.01	0.02
SCReAM	10	0.22	0.22	0.22	18.77	18.72	18.57	0.00	0.00	0.00
Sprout	10	20.67	20.72	20.61	21.87	22.20	22.41	0.02	0.02	0.02
TaoVA-100x	10	239.92	228.04	193.91	19.94	20.90	22.28	0.01	0.02	0.01
TCP Vegas	10	117.50	124.51	125.94	22.54	24.31	23.43	0.11	0.14	0.15
Verus	10	202.24	210.67	165.26	41.04	35.30	34.87	23.31	21.97	24.01
PCC-Vivace	10	384.77	323.93	119.62	30.29	28.43	20.61	0.22	0.45	0.72
WebRTC media	10	2.05	1.43	0.59	20.26	20.82	21.26	0.00	0.00	0.04

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 21:15:40

End at: 2018-06-29 21:16:10

Local clock offset: 4.039 ms

Remote clock offset: 3.559 ms

# Below is generated by plot.py at 2018-06-30 01:51:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 789.33 Mbit/s

95th percentile per-packet one-way delay: 33.379 ms

Loss rate: 8.53%

-- Flow 1:

Average throughput: 445.99 Mbit/s

95th percentile per-packet one-way delay: 34.811 ms

Loss rate: 5.94%

-- Flow 2:

Average throughput: 355.91 Mbit/s

95th percentile per-packet one-way delay: 24.739 ms

Loss rate: 10.93%

-- Flow 3:

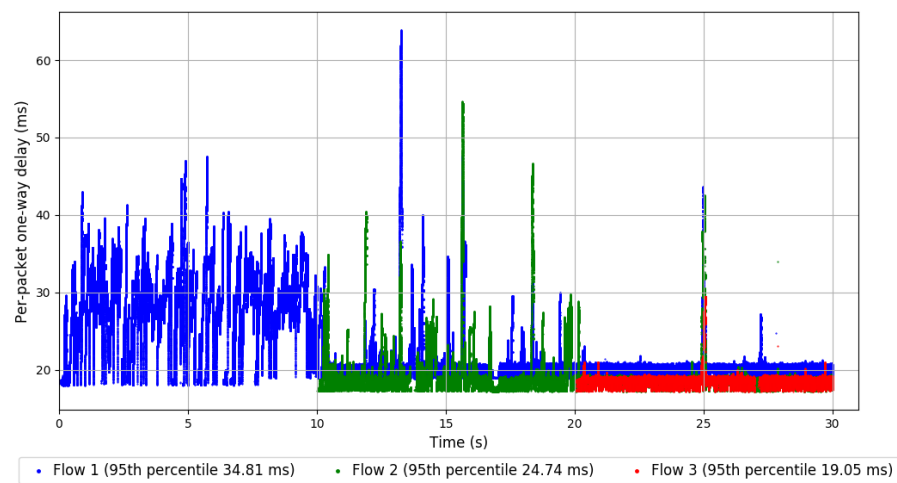
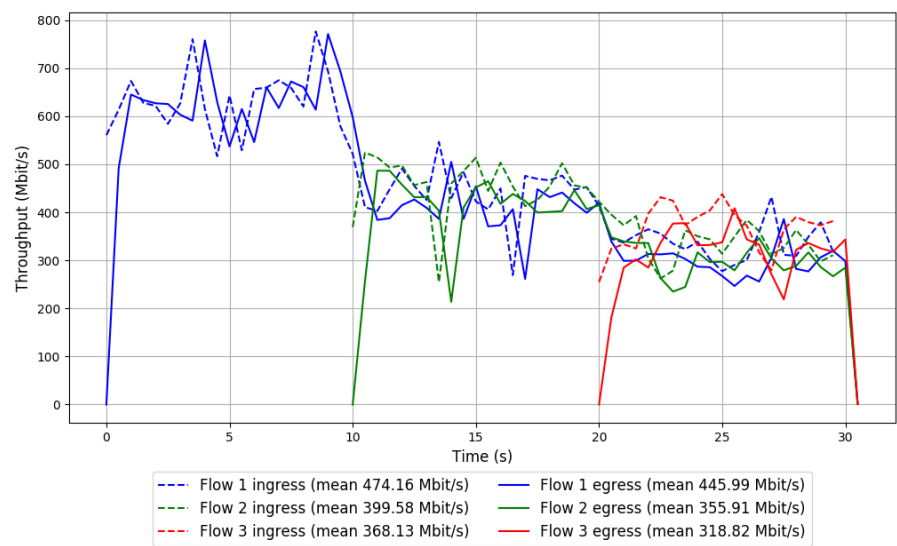
Average throughput: 318.82 Mbit/s

95th percentile per-packet one-way delay: 19.047 ms

Loss rate: 13.39%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-29 21:42:25

End at: 2018-06-29 21:42:55

Local clock offset: 3.518 ms

Remote clock offset: -4.37 ms

# Below is generated by plot.py at 2018-06-30 01:51:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 783.91 Mbit/s

95th percentile per-packet one-way delay: 34.457 ms

Loss rate: 7.88%

-- Flow 1:

Average throughput: 458.50 Mbit/s

95th percentile per-packet one-way delay: 35.227 ms

Loss rate: 5.84%

-- Flow 2:

Average throughput: 327.79 Mbit/s

95th percentile per-packet one-way delay: 30.765 ms

Loss rate: 9.92%

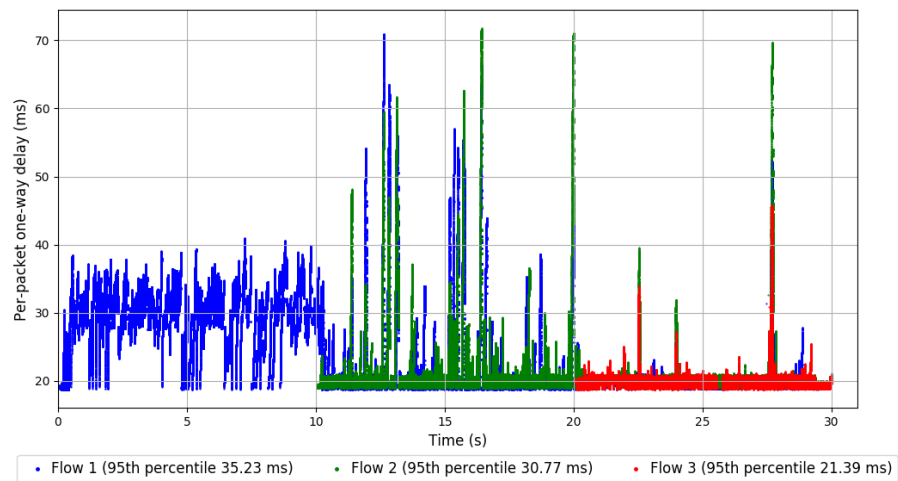
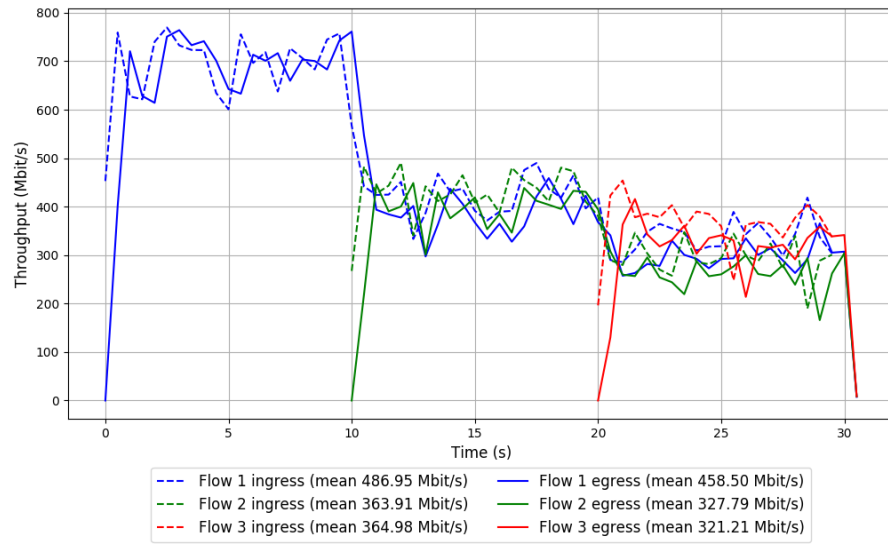
-- Flow 3:

Average throughput: 321.21 Mbit/s

95th percentile per-packet one-way delay: 21.391 ms

Loss rate: 11.98%

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

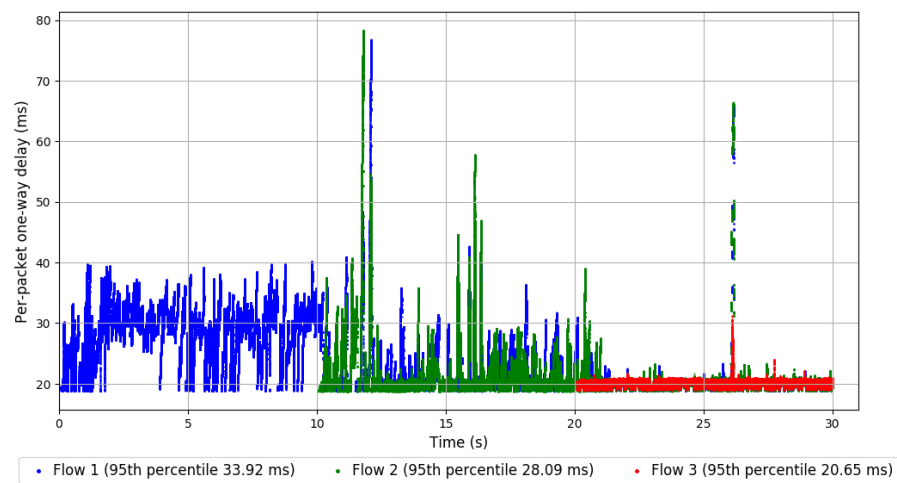
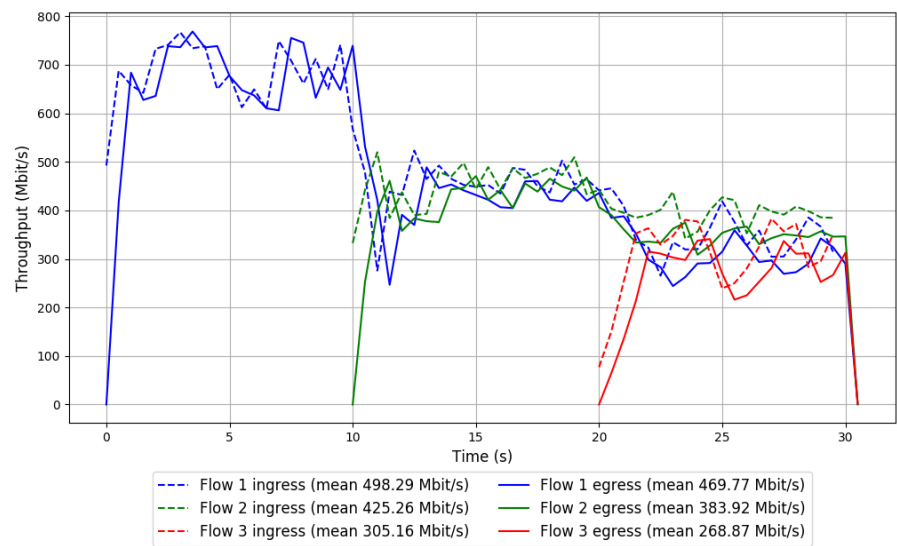


Run 3: Statistics of TCP BBR

Start at: 2018-06-29 22:09:13  
End at: 2018-06-29 22:09:43  
Local clock offset: -0.089 ms  
Remote clock offset: -6.363 ms

# Below is generated by plot.py at 2018-06-30 01:51:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 814.84 Mbit/s  
95th percentile per-packet one-way delay: 33.100 ms  
Loss rate: 7.71%  
-- Flow 1:  
Average throughput: 469.77 Mbit/s  
95th percentile per-packet one-way delay: 33.920 ms  
Loss rate: 5.72%  
-- Flow 2:  
Average throughput: 383.92 Mbit/s  
95th percentile per-packet one-way delay: 28.087 ms  
Loss rate: 9.72%  
-- Flow 3:  
Average throughput: 268.87 Mbit/s  
95th percentile per-packet one-way delay: 20.647 ms  
Loss rate: 11.88%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-29 22:36:05

End at: 2018-06-29 22:36:35

Local clock offset: -0.081 ms

Remote clock offset: 1.419 ms

# Below is generated by plot.py at 2018-06-30 01:51:43

# Datalink statistics

-- Total of 3 flows:

Average throughput: 804.86 Mbit/s

95th percentile per-packet one-way delay: 32.786 ms

Loss rate: 7.92%

-- Flow 1:

Average throughput: 443.96 Mbit/s

95th percentile per-packet one-way delay: 33.808 ms

Loss rate: 5.60%

-- Flow 2:

Average throughput: 377.71 Mbit/s

95th percentile per-packet one-way delay: 25.938 ms

Loss rate: 10.47%

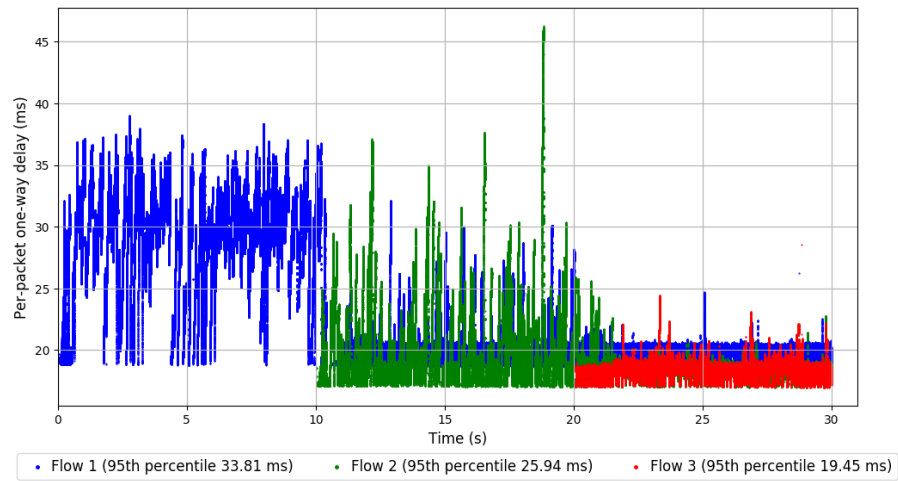
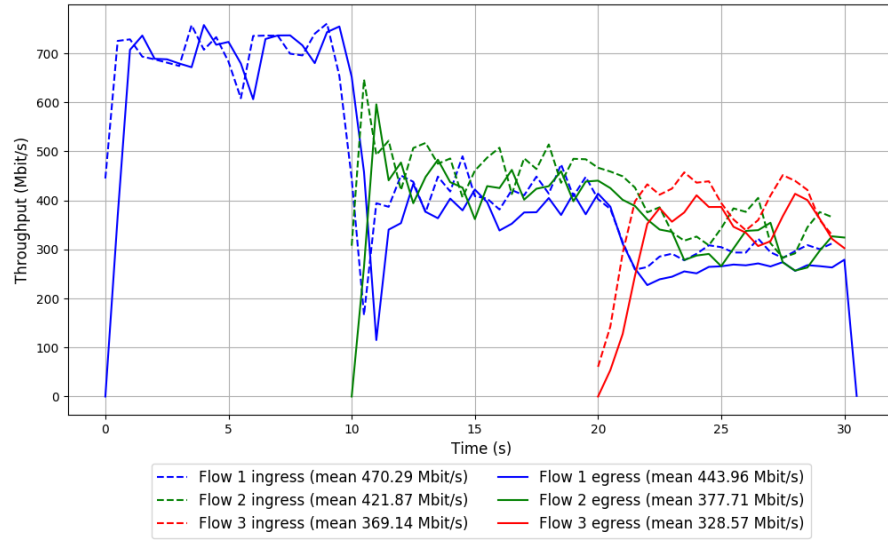
-- Flow 3:

Average throughput: 328.57 Mbit/s

95th percentile per-packet one-way delay: 19.452 ms

Loss rate: 11.00%

# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-29 23:02:56

End at: 2018-06-29 23:03:26

Local clock offset: 3.294 ms

Remote clock offset: 7.301 ms

# Below is generated by plot.py at 2018-06-30 01:51:43

# Datalink statistics

-- Total of 3 flows:

Average throughput: 810.04 Mbit/s

95th percentile per-packet one-way delay: 32.543 ms

Loss rate: 7.96%

-- Flow 1:

Average throughput: 460.62 Mbit/s

95th percentile per-packet one-way delay: 33.406 ms

Loss rate: 5.73%

-- Flow 2:

Average throughput: 367.43 Mbit/s

95th percentile per-packet one-way delay: 27.268 ms

Loss rate: 10.15%

-- Flow 3:

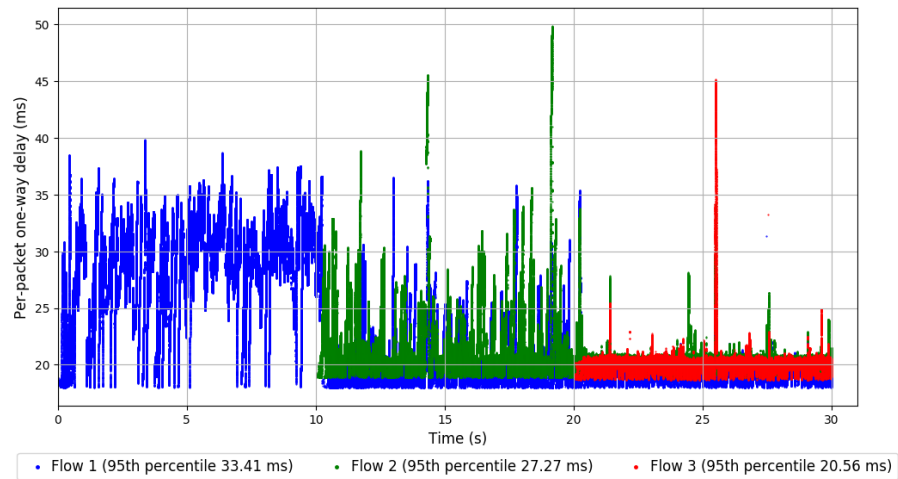
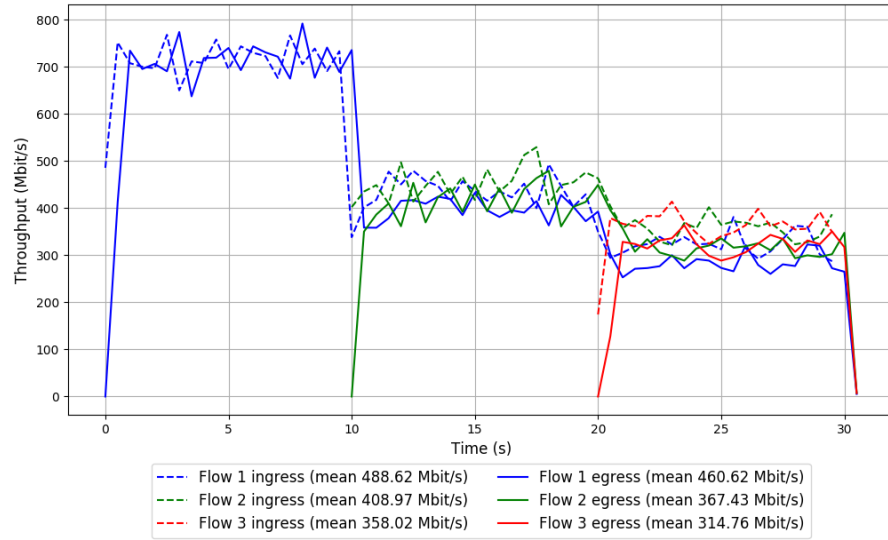
Average throughput: 314.76 Mbit/s

95th percentile per-packet one-way delay: 20.560 ms

Loss rate: 12.09%



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

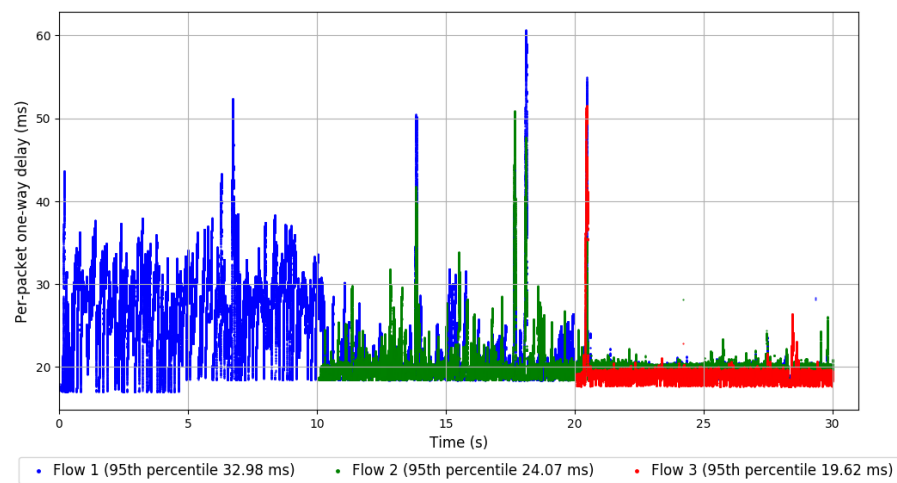
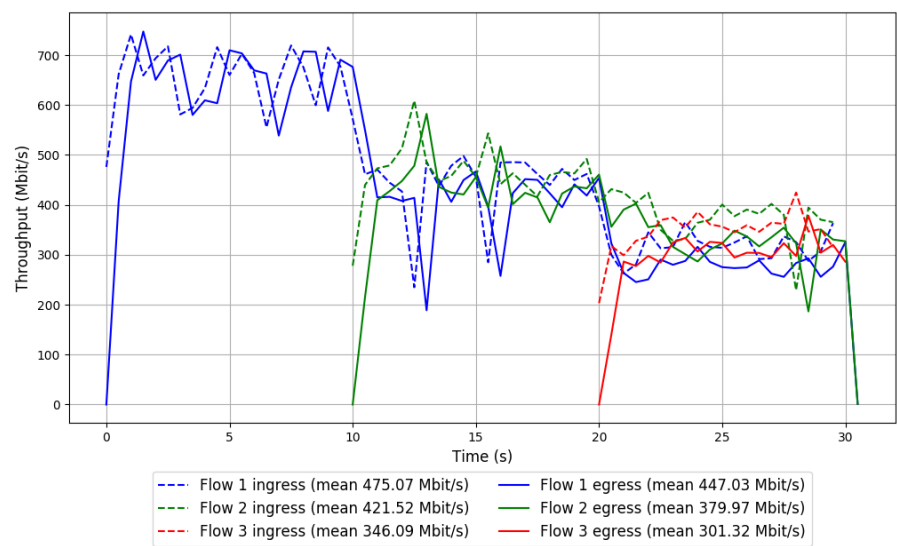


Run 6: Statistics of TCP BBR

Start at: 2018-06-29 23:29:55  
End at: 2018-06-29 23:30:25  
Local clock offset: 0.444 ms  
Remote clock offset: 10.651 ms

# Below is generated by plot.py at 2018-06-30 01:51:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 800.30 Mbit/s  
95th percentile per-packet one-way delay: 31.448 ms  
Loss rate: 8.10%  
-- Flow 1:  
Average throughput: 447.03 Mbit/s  
95th percentile per-packet one-way delay: 32.980 ms  
Loss rate: 5.90%  
-- Flow 2:  
Average throughput: 379.97 Mbit/s  
95th percentile per-packet one-way delay: 24.075 ms  
Loss rate: 9.85%  
-- Flow 3:  
Average throughput: 301.32 Mbit/s  
95th percentile per-packet one-way delay: 19.625 ms  
Loss rate: 12.94%

Run 6: Report of TCP BBR — Data Link

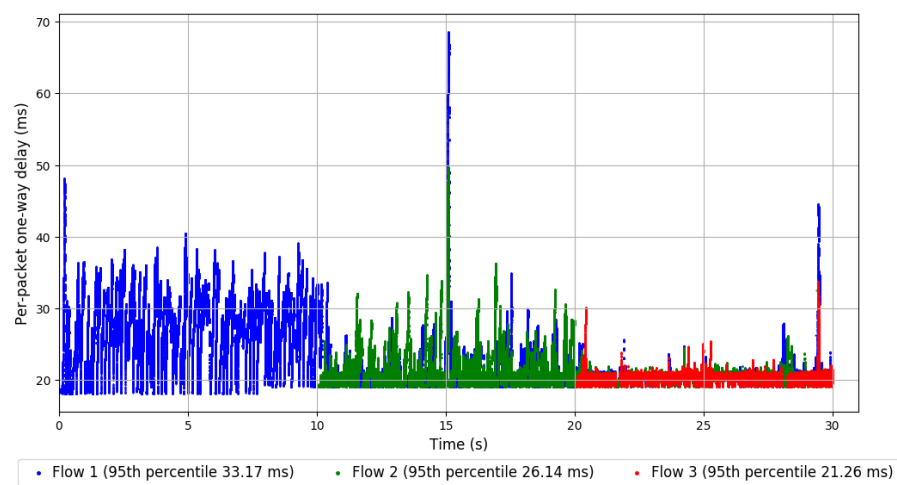
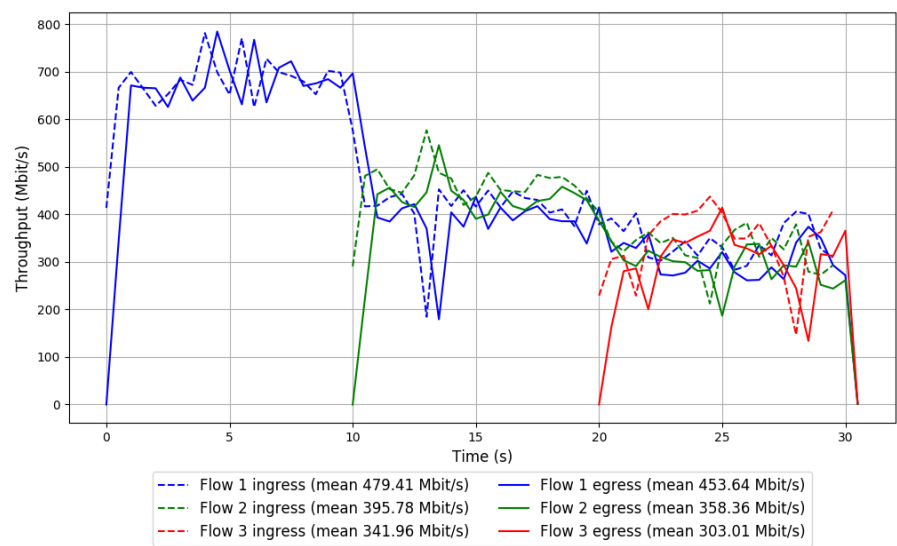


Run 7: Statistics of TCP BBR

Start at: 2018-06-29 23:56:53  
End at: 2018-06-29 23:57:23  
Local clock offset: -0.198 ms  
Remote clock offset: -1.199 ms

# Below is generated by plot.py at 2018-06-30 01:51:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 793.12 Mbit/s  
95th percentile per-packet one-way delay: 31.876 ms  
Loss rate: 7.42%  
-- Flow 1:  
Average throughput: 453.64 Mbit/s  
95th percentile per-packet one-way delay: 33.172 ms  
Loss rate: 5.37%  
-- Flow 2:  
Average throughput: 358.36 Mbit/s  
95th percentile per-packet one-way delay: 26.142 ms  
Loss rate: 9.45%  
-- Flow 3:  
Average throughput: 303.01 Mbit/s  
95th percentile per-packet one-way delay: 21.262 ms  
Loss rate: 11.39%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 00:23:50

End at: 2018-06-30 00:24:20

Local clock offset: -0.139 ms

Remote clock offset: 2.646 ms

# Below is generated by plot.py at 2018-06-30 01:51:43

# Datalink statistics

-- Total of 3 flows:

Average throughput: 807.22 Mbit/s

95th percentile per-packet one-way delay: 31.904 ms

Loss rate: 7.53%

-- Flow 1:

Average throughput: 467.66 Mbit/s

95th percentile per-packet one-way delay: 33.242 ms

Loss rate: 5.08%

-- Flow 2:

Average throughput: 349.19 Mbit/s

95th percentile per-packet one-way delay: 25.922 ms

Loss rate: 9.86%

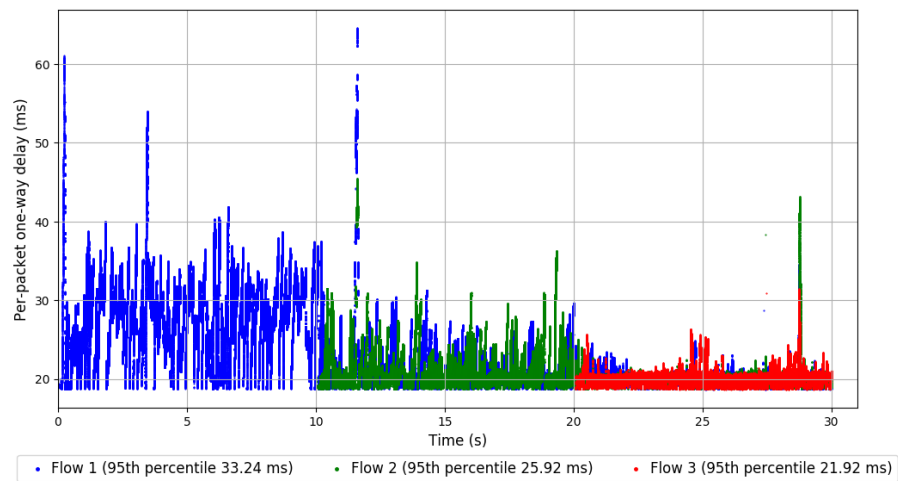
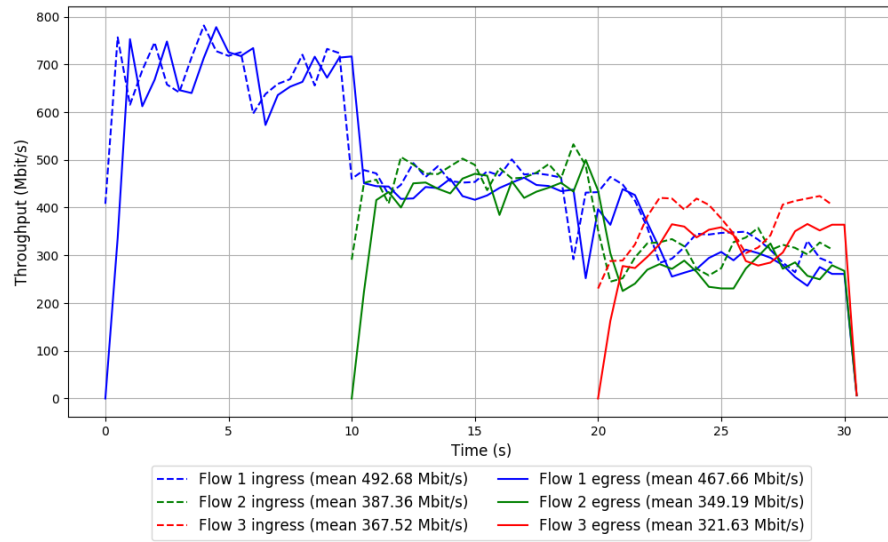
-- Flow 3:

Average throughput: 321.63 Mbit/s

95th percentile per-packet one-way delay: 21.919 ms

Loss rate: 12.49%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-30 00:50:45

End at: 2018-06-30 00:51:15

Local clock offset: 1.411 ms

Remote clock offset: 3.321 ms

# Below is generated by plot.py at 2018-06-30 02:00:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 793.53 Mbit/s

95th percentile per-packet one-way delay: 31.556 ms

Loss rate: 8.10%

-- Flow 1:

Average throughput: 462.63 Mbit/s

95th percentile per-packet one-way delay: 32.634 ms

Loss rate: 5.97%

-- Flow 2:

Average throughput: 336.24 Mbit/s

95th percentile per-packet one-way delay: 24.946 ms

Loss rate: 10.25%

-- Flow 3:

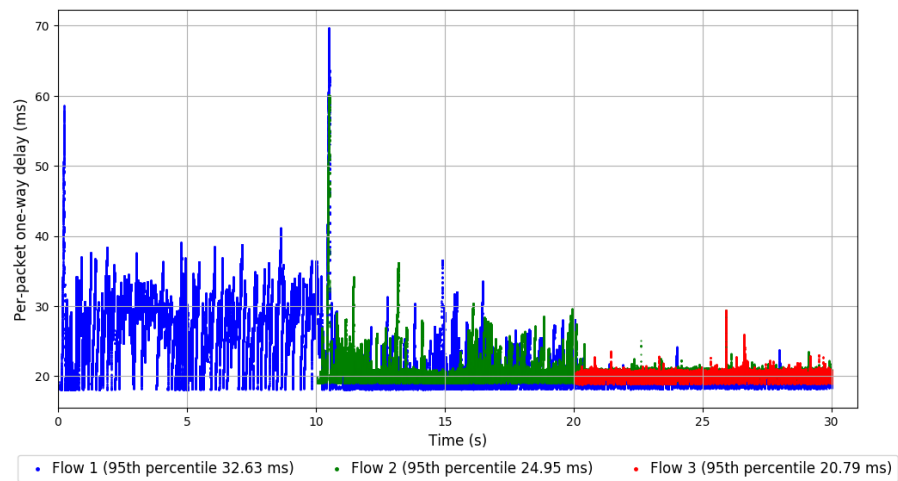
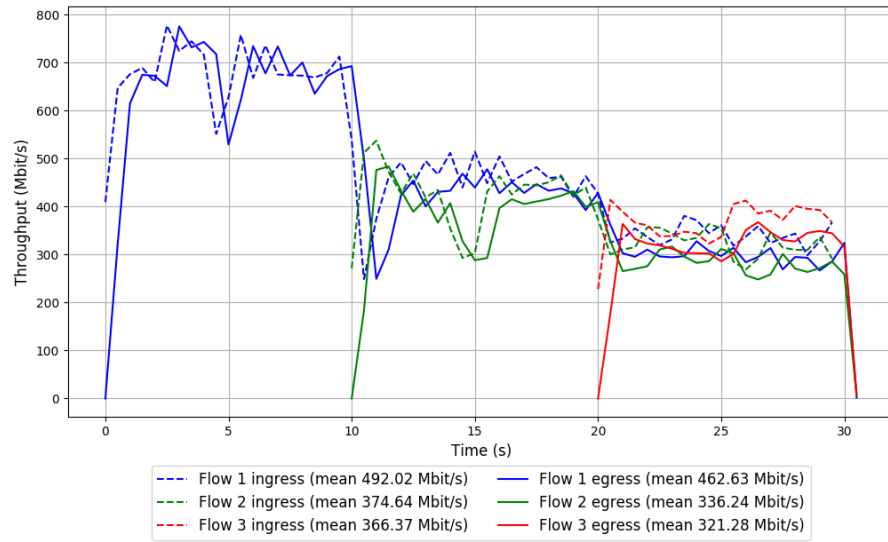
Average throughput: 321.28 Mbit/s

95th percentile per-packet one-way delay: 20.787 ms

Loss rate: 12.31%



# Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 01:17:34

End at: 2018-06-30 01:18:04

Local clock offset: 3.95 ms

Remote clock offset: 2.532 ms

# Below is generated by plot.py at 2018-06-30 02:00:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 797.02 Mbit/s

95th percentile per-packet one-way delay: 30.663 ms

Loss rate: 8.12%

-- Flow 1:

Average throughput: 450.52 Mbit/s

95th percentile per-packet one-way delay: 31.948 ms

Loss rate: 6.04%

-- Flow 2:

Average throughput: 363.83 Mbit/s

95th percentile per-packet one-way delay: 25.564 ms

Loss rate: 9.71%

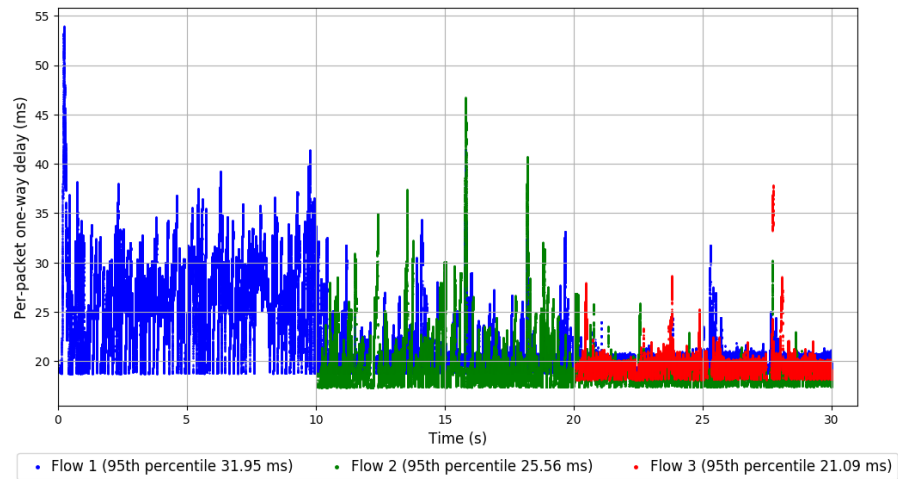
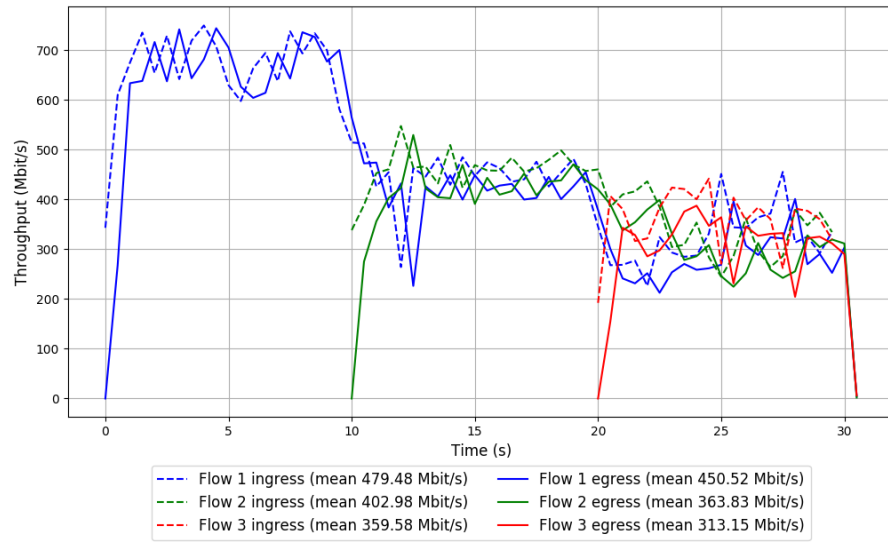
-- Flow 3:

Average throughput: 313.15 Mbit/s

95th percentile per-packet one-way delay: 21.089 ms

Loss rate: 12.92%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-29 21:12:23

End at: 2018-06-29 21:12:53

Local clock offset: 3.991 ms

Remote clock offset: 3.383 ms

# Below is generated by plot.py at 2018-06-30 02:03:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 541.14 Mbit/s

95th percentile per-packet one-way delay: 22.778 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 287.76 Mbit/s

95th percentile per-packet one-way delay: 22.436 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 268.01 Mbit/s

95th percentile per-packet one-way delay: 22.893 ms

Loss rate: 0.10%

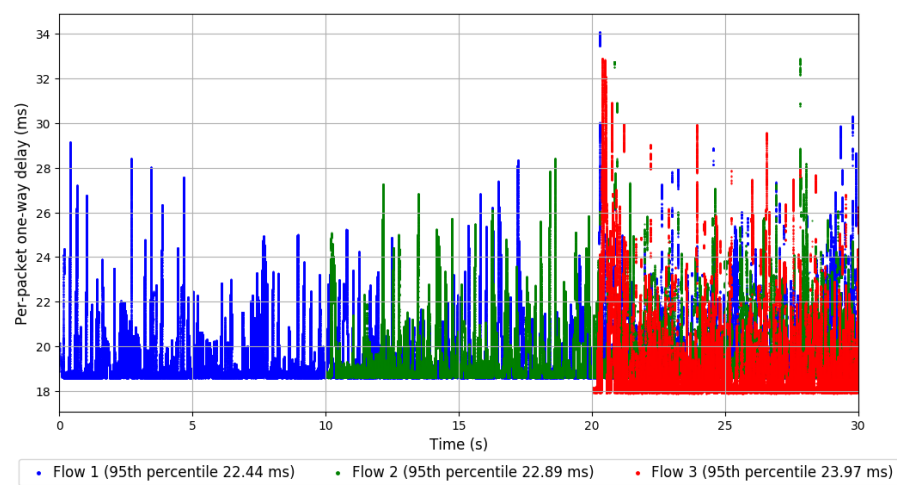
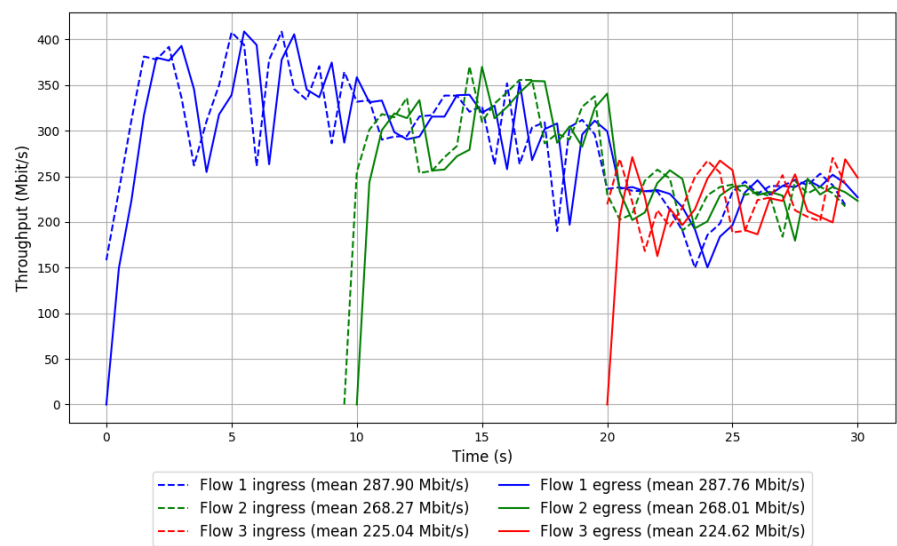
-- Flow 3:

Average throughput: 224.62 Mbit/s

95th percentile per-packet one-way delay: 23.968 ms

Loss rate: 0.17%

Run 1: Report of Copa — Data Link

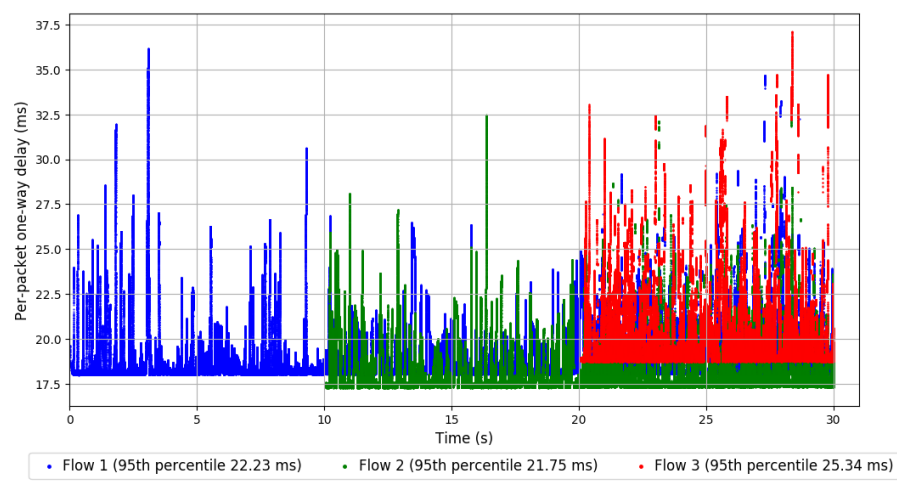
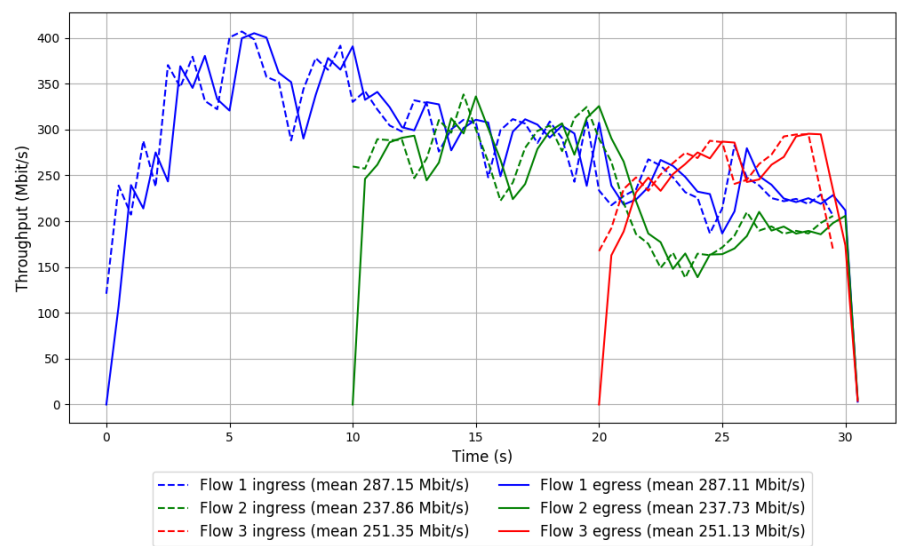


Run 2: Statistics of Copa

Start at: 2018-06-29 21:39:07  
End at: 2018-06-29 21:39:37  
Local clock offset: 3.488 ms  
Remote clock offset: -4.014 ms

# Below is generated by plot.py at 2018-06-30 02:03:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 528.97 Mbit/s  
95th percentile per-packet one-way delay: 22.672 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 287.11 Mbit/s  
95th percentile per-packet one-way delay: 22.230 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 237.73 Mbit/s  
95th percentile per-packet one-way delay: 21.751 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 251.13 Mbit/s  
95th percentile per-packet one-way delay: 25.339 ms  
Loss rate: 0.09%

Run 2: Report of Copa — Data Link



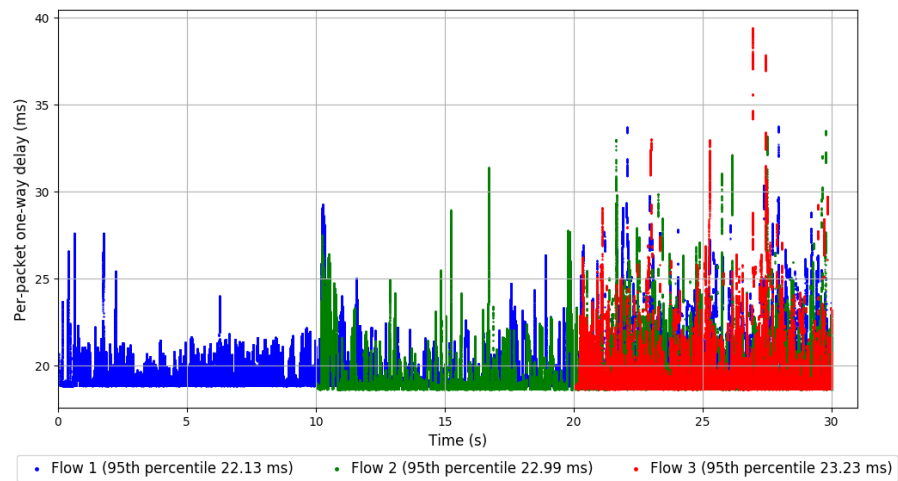
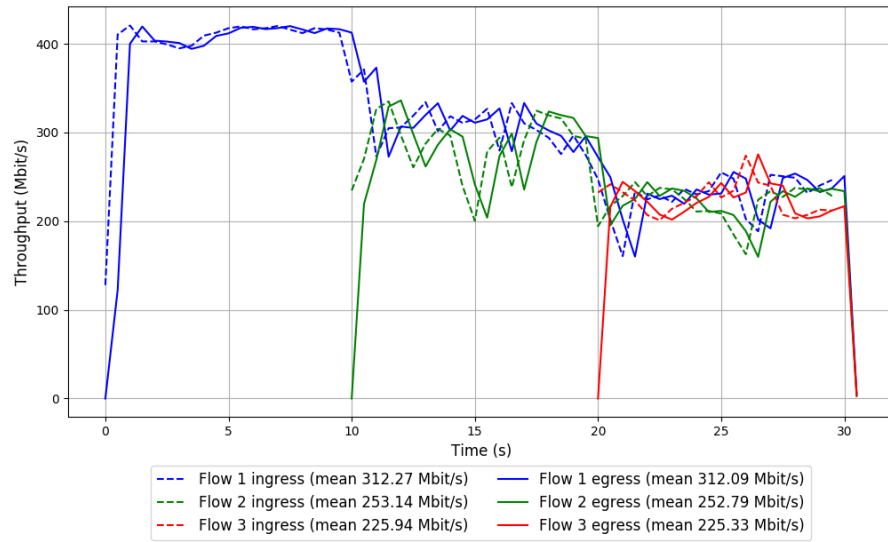
Run 3: Statistics of Copa

Start at: 2018-06-29 22:05:53  
End at: 2018-06-29 22:06:23  
Local clock offset: 0.177 ms  
Remote clock offset: -6.166 ms

# Below is generated by plot.py at 2018-06-30 02:03:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 555.42 Mbit/s  
95th percentile per-packet one-way delay: 22.537 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 312.09 Mbit/s  
95th percentile per-packet one-way delay: 22.130 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 252.79 Mbit/s  
95th percentile per-packet one-way delay: 22.991 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 225.33 Mbit/s  
95th percentile per-packet one-way delay: 23.235 ms  
Loss rate: 0.25%



### Run 3: Report of Copa — Data Link

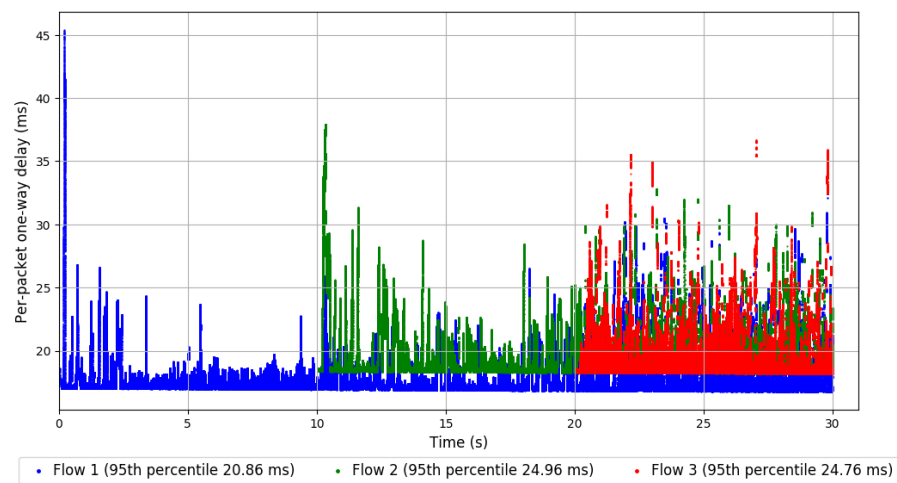
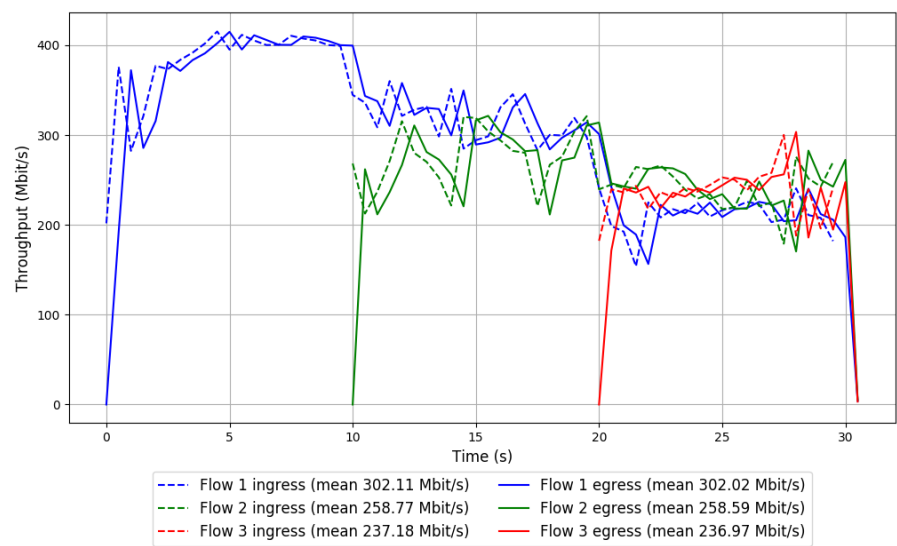


Run 4: Statistics of Copa

Start at: 2018-06-29 22:32:46  
End at: 2018-06-29 22:33:16  
Local clock offset: -0.053 ms  
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2018-06-30 02:03:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 552.99 Mbit/s  
95th percentile per-packet one-way delay: 23.093 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 302.02 Mbit/s  
95th percentile per-packet one-way delay: 20.865 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 258.59 Mbit/s  
95th percentile per-packet one-way delay: 24.956 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 236.97 Mbit/s  
95th percentile per-packet one-way delay: 24.757 ms  
Loss rate: 0.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 22:59:33

End at: 2018-06-29 23:00:03

Local clock offset: 2.975 ms

Remote clock offset: 6.684 ms

# Below is generated by plot.py at 2018-06-30 02:03:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 530.19 Mbit/s

95th percentile per-packet one-way delay: 22.528 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 282.36 Mbit/s

95th percentile per-packet one-way delay: 21.274 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 264.20 Mbit/s

95th percentile per-packet one-way delay: 23.311 ms

Loss rate: 0.03%

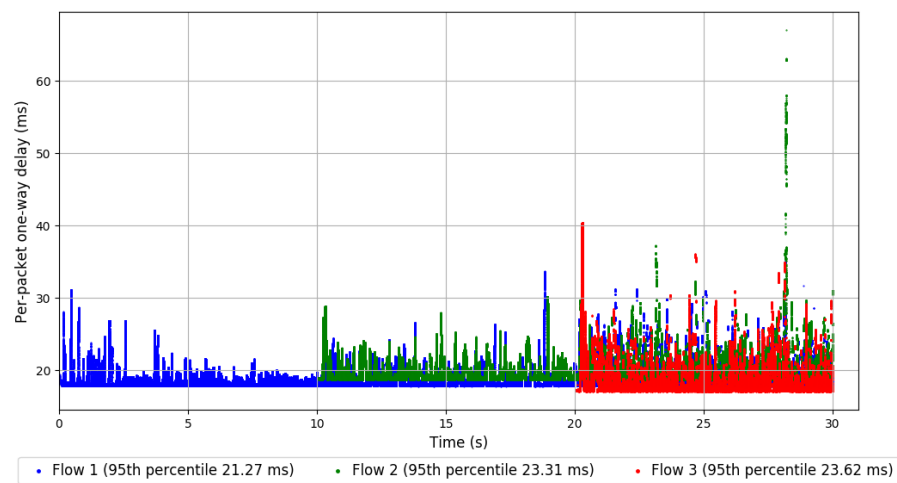
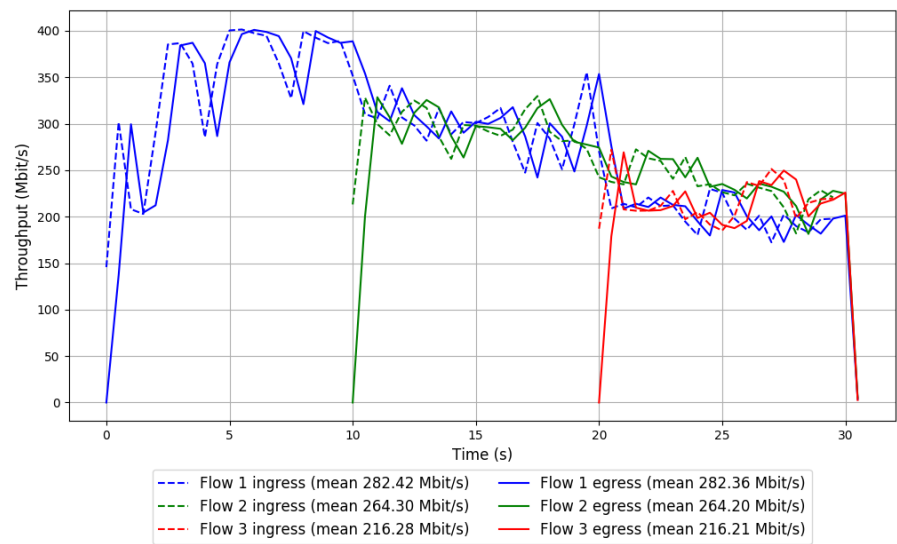
-- Flow 3:

Average throughput: 216.21 Mbit/s

95th percentile per-packet one-way delay: 23.620 ms

Loss rate: 0.03%

Run 5: Report of Copa — Data Link

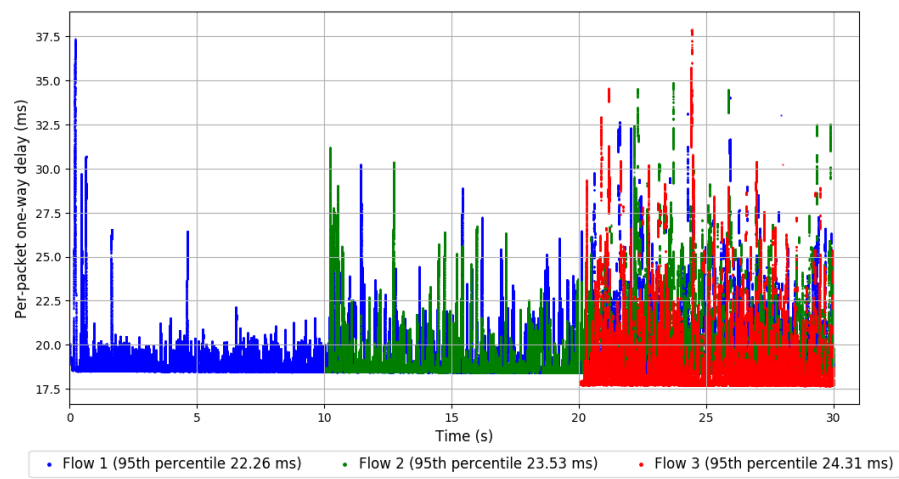
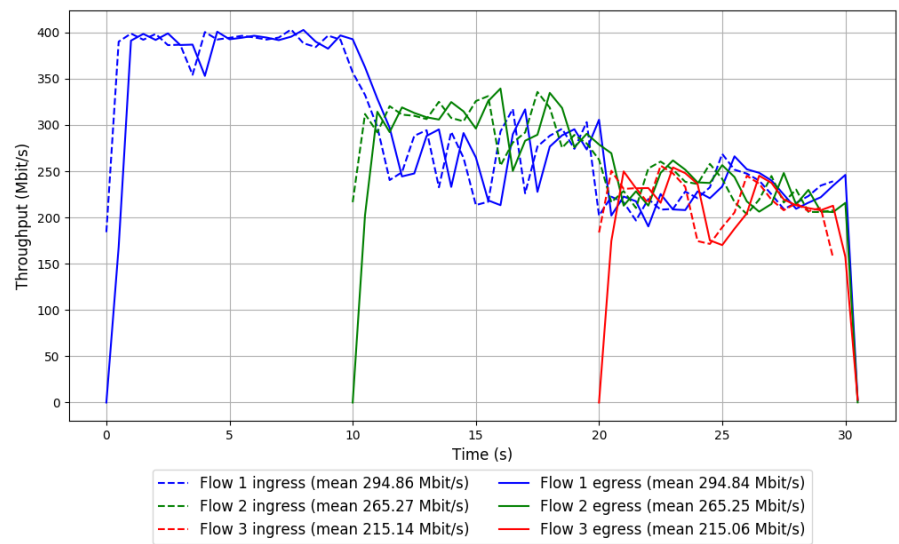


Run 6: Statistics of Copa

Start at: 2018-06-29 23:26:35  
End at: 2018-06-29 23:27:05  
Local clock offset: 0.894 ms  
Remote clock offset: 10.298 ms

# Below is generated by plot.py at 2018-06-30 02:03:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 542.97 Mbit/s  
95th percentile per-packet one-way delay: 22.982 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 294.84 Mbit/s  
95th percentile per-packet one-way delay: 22.263 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 265.25 Mbit/s  
95th percentile per-packet one-way delay: 23.531 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 215.06 Mbit/s  
95th percentile per-packet one-way delay: 24.311 ms  
Loss rate: 0.03%

Run 6: Report of Copa — Data Link



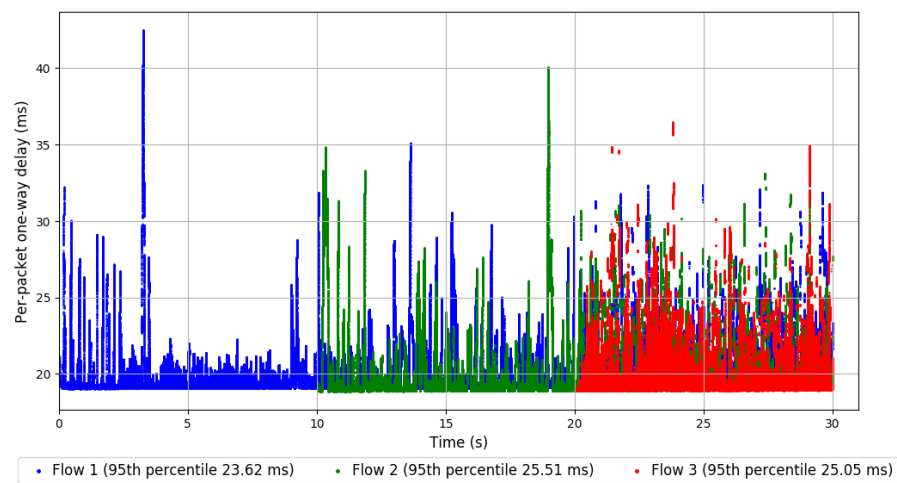
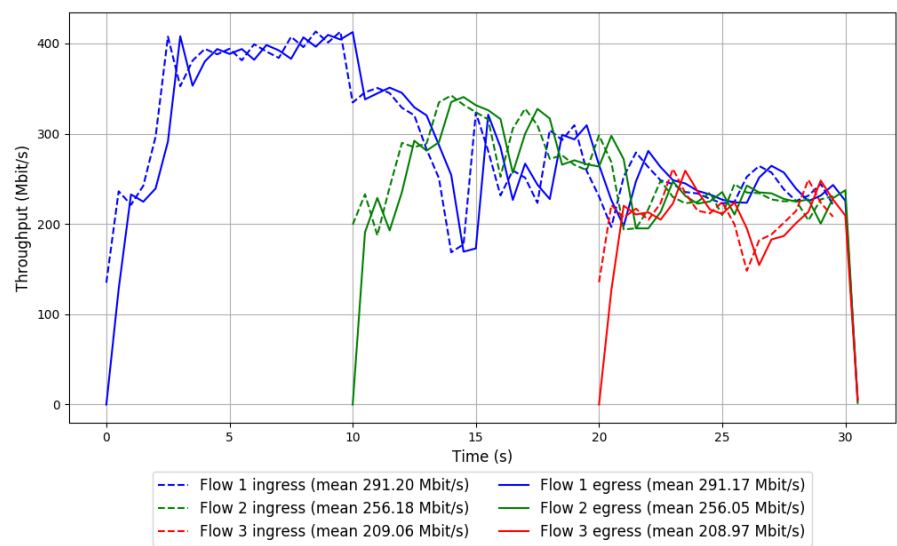
Run 7: Statistics of Copa

Start at: 2018-06-29 23:53:31  
End at: 2018-06-29 23:54:01  
Local clock offset: -0.285 ms  
Remote clock offset: -0.605 ms

# Below is generated by plot.py at 2018-06-30 02:13:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 531.19 Mbit/s  
95th percentile per-packet one-way delay: 24.395 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 291.17 Mbit/s  
95th percentile per-packet one-way delay: 23.625 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 256.05 Mbit/s  
95th percentile per-packet one-way delay: 25.513 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 208.97 Mbit/s  
95th percentile per-packet one-way delay: 25.048 ms  
Loss rate: 0.04%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 00:20:29

End at: 2018-06-30 00:20:59

Local clock offset: -0.226 ms

Remote clock offset: 2.299 ms

# Below is generated by plot.py at 2018-06-30 02:13:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 532.46 Mbit/s

95th percentile per-packet one-way delay: 23.438 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 298.65 Mbit/s

95th percentile per-packet one-way delay: 22.504 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 249.36 Mbit/s

95th percentile per-packet one-way delay: 23.894 ms

Loss rate: 0.04%

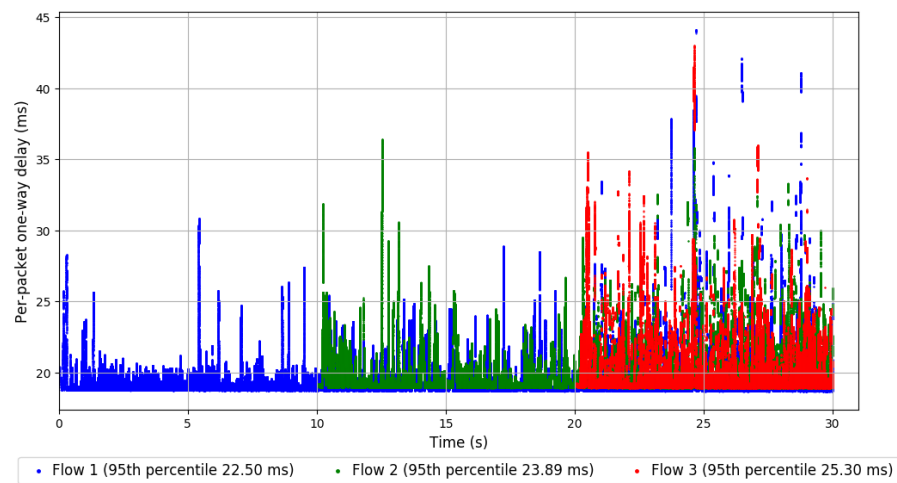
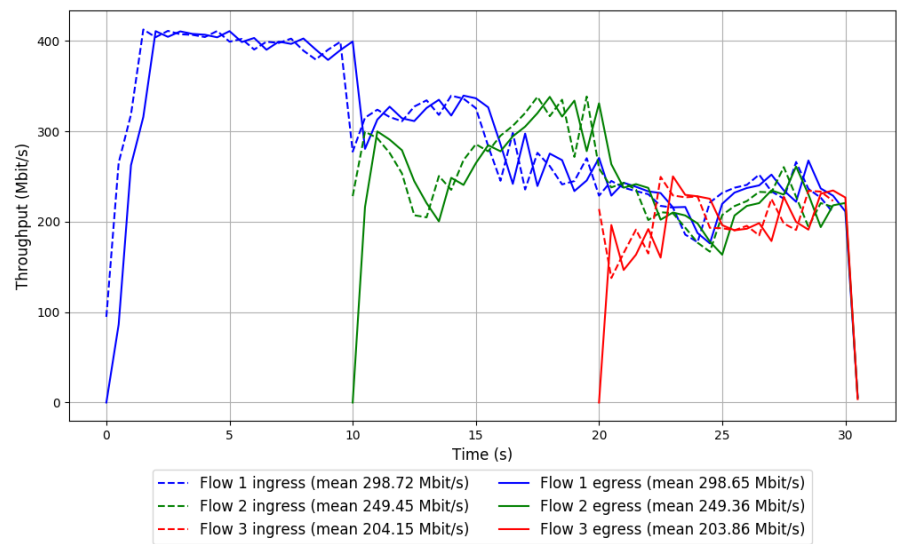
-- Flow 3:

Average throughput: 203.86 Mbit/s

95th percentile per-packet one-way delay: 25.295 ms

Loss rate: 0.14%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 00:47:27

End at: 2018-06-30 00:47:57

Local clock offset: 0.268 ms

Remote clock offset: 3.42 ms

# Below is generated by plot.py at 2018-06-30 02:14:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 507.20 Mbit/s

95th percentile per-packet one-way delay: 23.852 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 263.71 Mbit/s

95th percentile per-packet one-way delay: 22.630 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 252.17 Mbit/s

95th percentile per-packet one-way delay: 24.388 ms

Loss rate: 0.06%

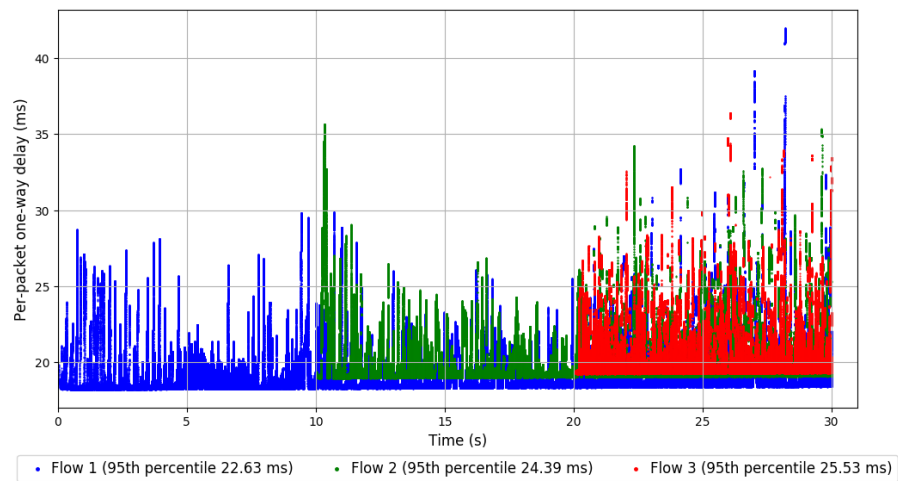
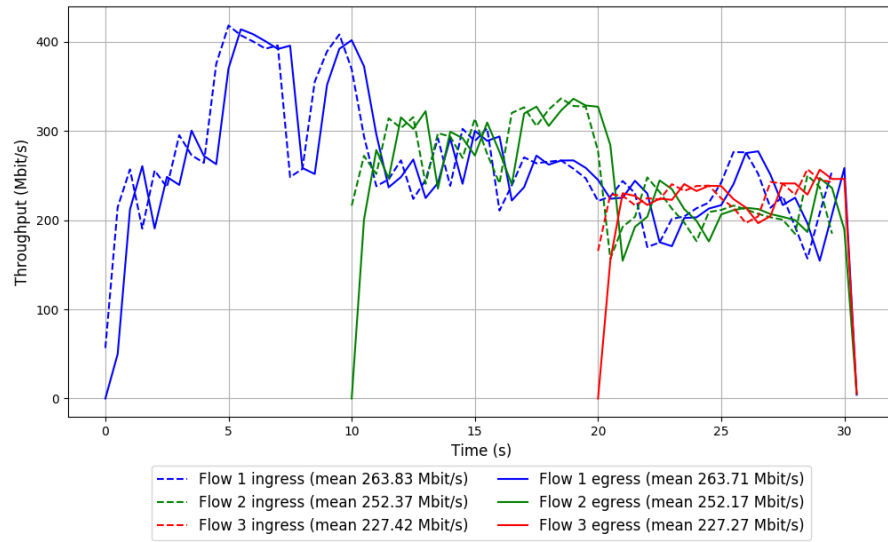
-- Flow 3:

Average throughput: 227.27 Mbit/s

95th percentile per-packet one-way delay: 25.534 ms

Loss rate: 0.06%

# Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-30 01:14:13

End at: 2018-06-30 01:14:43

Local clock offset: 4.153 ms

Remote clock offset: 3.364 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 516.06 Mbit/s

95th percentile per-packet one-way delay: 24.606 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 280.00 Mbit/s

95th percentile per-packet one-way delay: 24.833 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 245.69 Mbit/s

95th percentile per-packet one-way delay: 23.427 ms

Loss rate: 0.02%

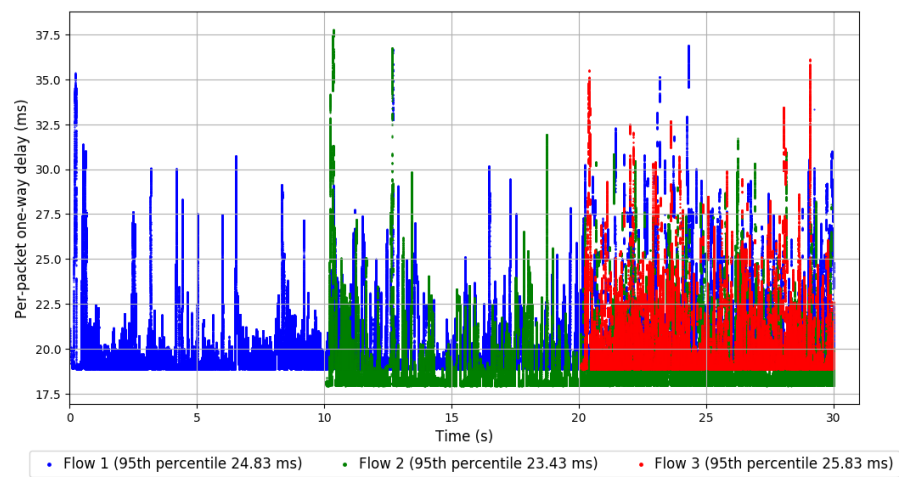
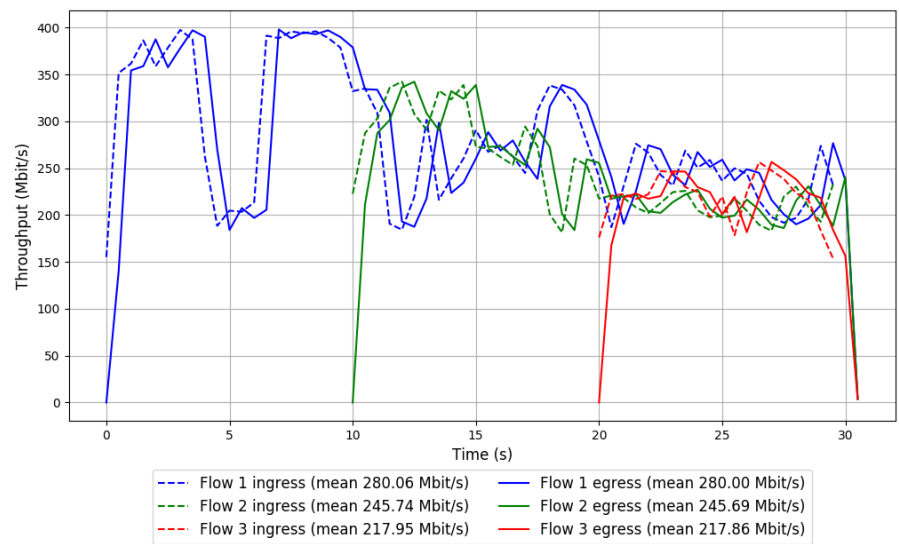
-- Flow 3:

Average throughput: 217.86 Mbit/s

95th percentile per-packet one-way delay: 25.834 ms

Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 21:14:14

End at: 2018-06-29 21:14:44

Local clock offset: 3.975 ms

Remote clock offset: 3.483 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 219.56 Mbit/s

95th percentile per-packet one-way delay: 23.621 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 109.47 Mbit/s

95th percentile per-packet one-way delay: 24.184 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 103.32 Mbit/s

95th percentile per-packet one-way delay: 21.842 ms

Loss rate: 0.06%

-- Flow 3:

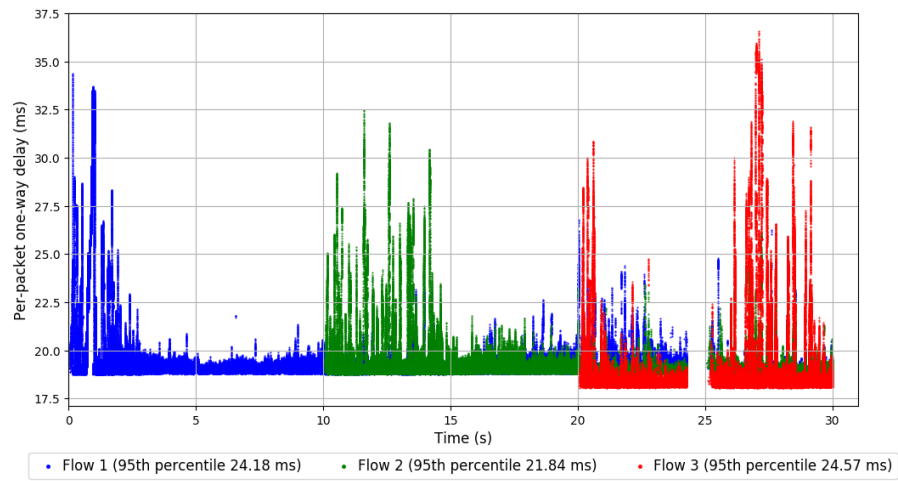
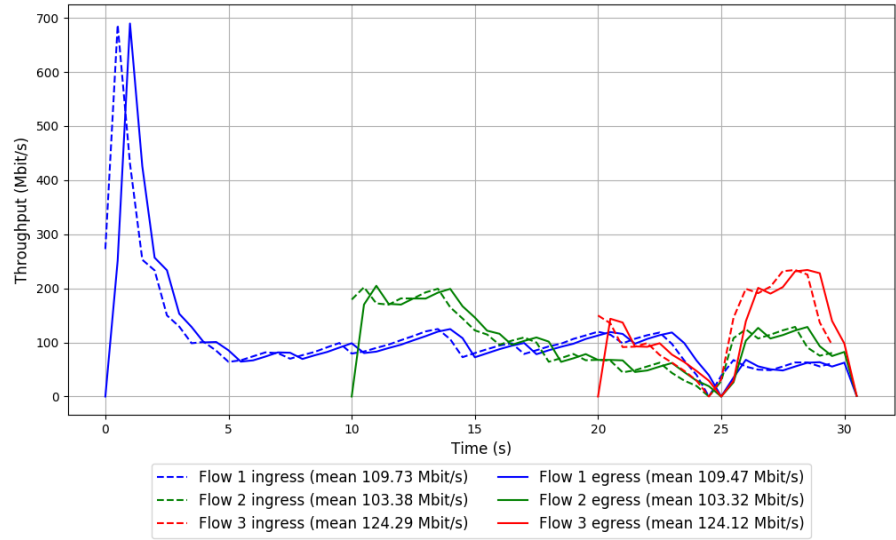
Average throughput: 124.12 Mbit/s

95th percentile per-packet one-way delay: 24.571 ms

Loss rate: 0.13%



# Run 1: Report of TCP Cubic — Data Link

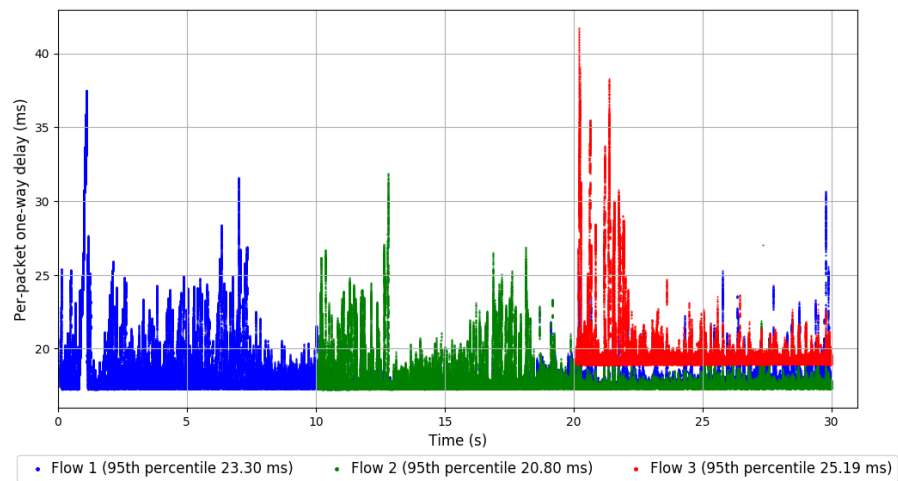
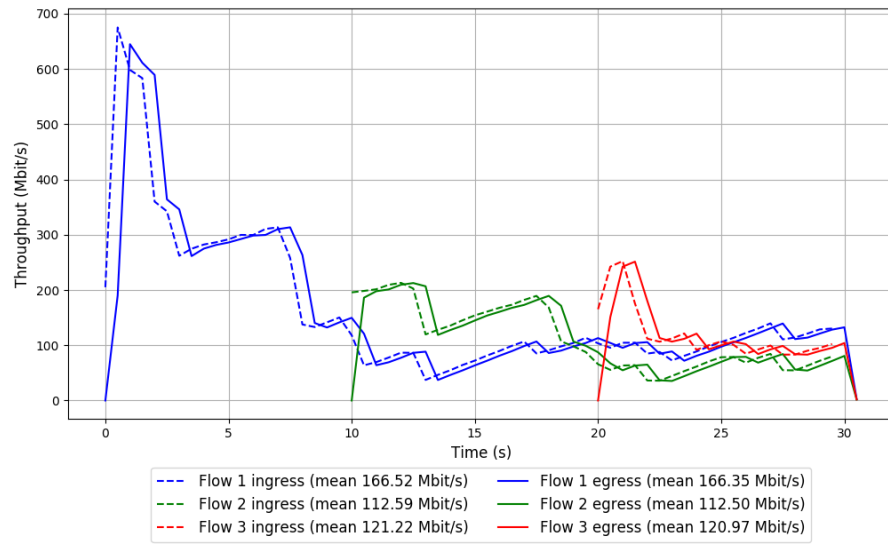


Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 21:40:57  
End at: 2018-06-29 21:41:27  
Local clock offset: 3.494 ms  
Remote clock offset: -4.238 ms

# Below is generated by plot.py at 2018-06-30 02:14:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 281.49 Mbit/s  
95th percentile per-packet one-way delay: 22.811 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 166.35 Mbit/s  
95th percentile per-packet one-way delay: 23.298 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 112.50 Mbit/s  
95th percentile per-packet one-way delay: 20.803 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 120.97 Mbit/s  
95th percentile per-packet one-way delay: 25.190 ms  
Loss rate: 0.21%

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

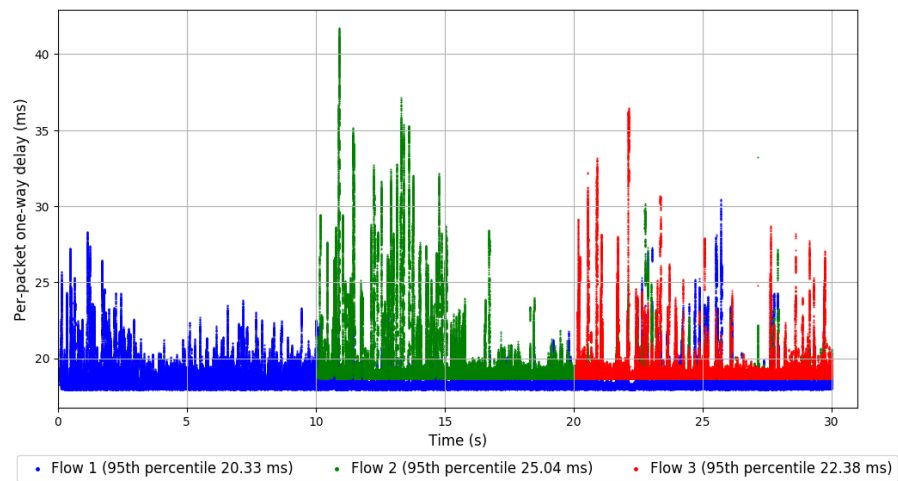
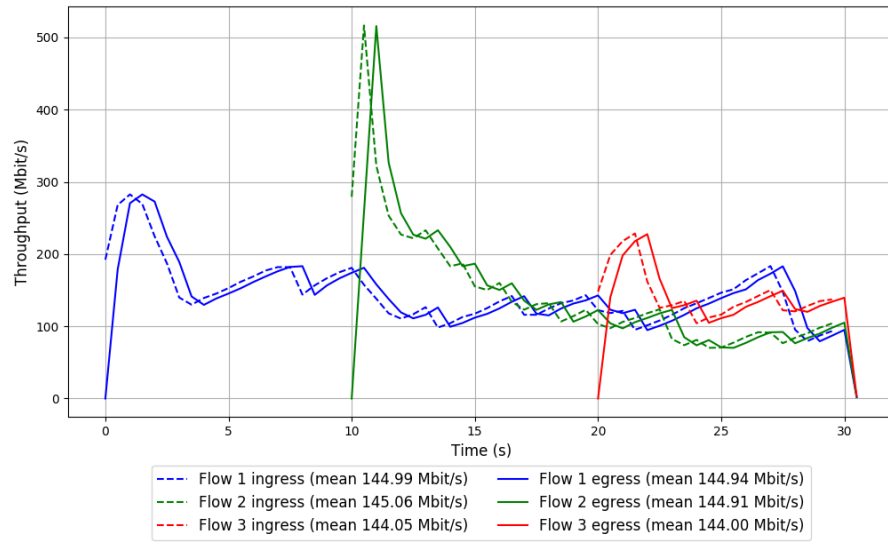


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 22:07:45  
End at: 2018-06-29 22:08:15  
Local clock offset: -0.008 ms  
Remote clock offset: -6.329 ms

# Below is generated by plot.py at 2018-06-30 02:14:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 289.37 Mbit/s  
95th percentile per-packet one-way delay: 22.130 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 144.94 Mbit/s  
95th percentile per-packet one-way delay: 20.331 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 144.91 Mbit/s  
95th percentile per-packet one-way delay: 25.038 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 144.00 Mbit/s  
95th percentile per-packet one-way delay: 22.378 ms  
Loss rate: 0.04%

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



Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 22:34:37

End at: 2018-06-29 22:35:07

Local clock offset: -0.06 ms

Remote clock offset: 0.749 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 302.85 Mbit/s

95th percentile per-packet one-way delay: 21.909 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 158.69 Mbit/s

95th percentile per-packet one-way delay: 22.101 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 132.77 Mbit/s

95th percentile per-packet one-way delay: 20.694 ms

Loss rate: 0.11%

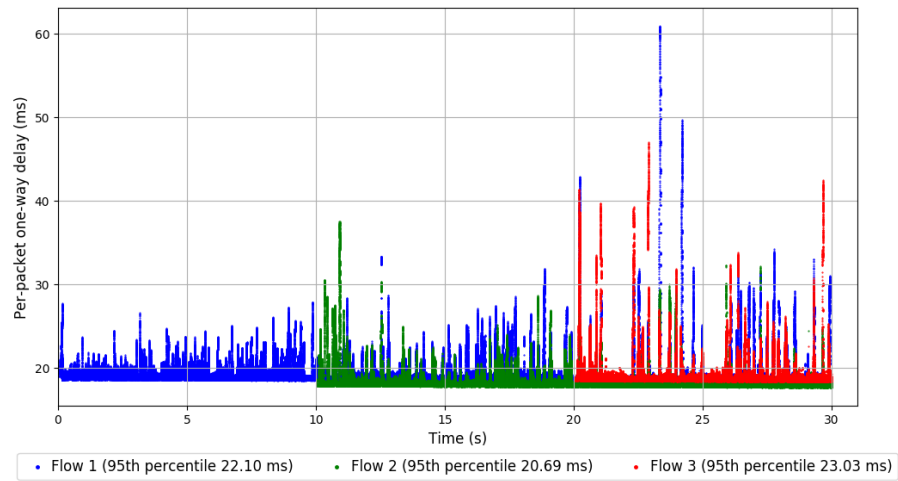
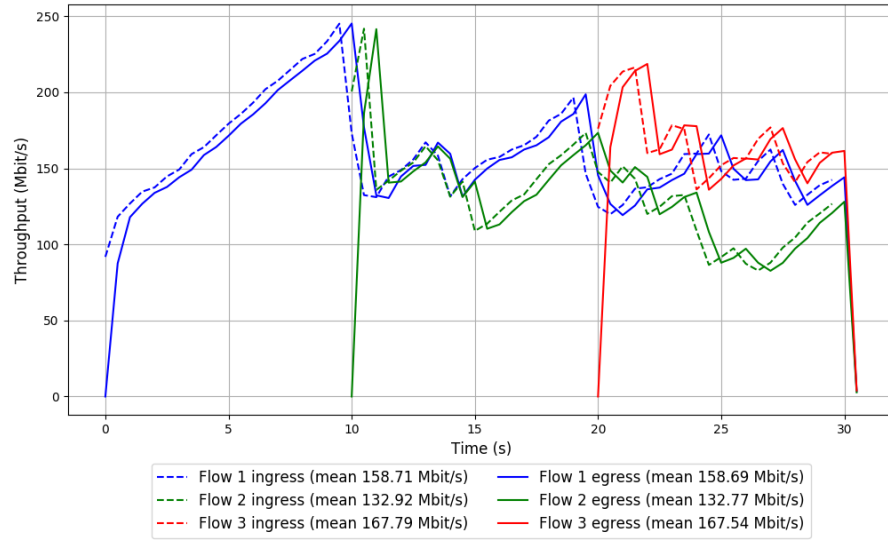
-- Flow 3:

Average throughput: 167.54 Mbit/s

95th percentile per-packet one-way delay: 23.029 ms

Loss rate: 0.14%

# Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 23:01:24

End at: 2018-06-29 23:01:54

Local clock offset: 3.144 ms

Remote clock offset: 6.959 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 417.58 Mbit/s

95th percentile per-packet one-way delay: 24.466 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 203.14 Mbit/s

95th percentile per-packet one-way delay: 23.850 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 166.69 Mbit/s

95th percentile per-packet one-way delay: 22.841 ms

Loss rate: 0.03%

-- Flow 3:

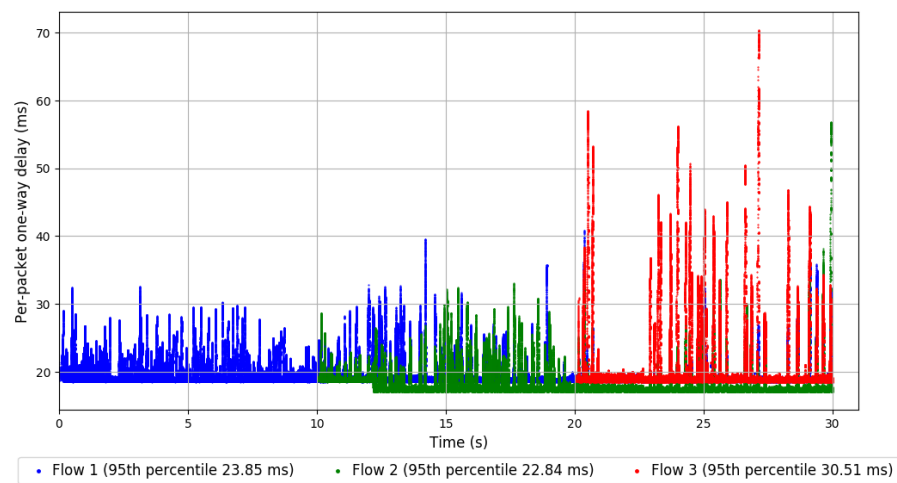
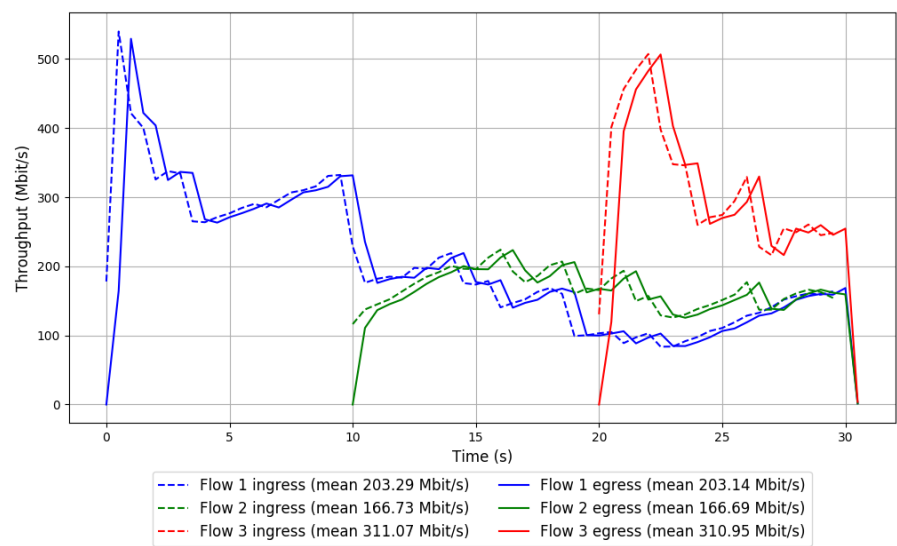
Average throughput: 310.95 Mbit/s

95th percentile per-packet one-way delay: 30.510 ms

Loss rate: 0.03%



Run 5: Report of TCP Cubic — Data Link

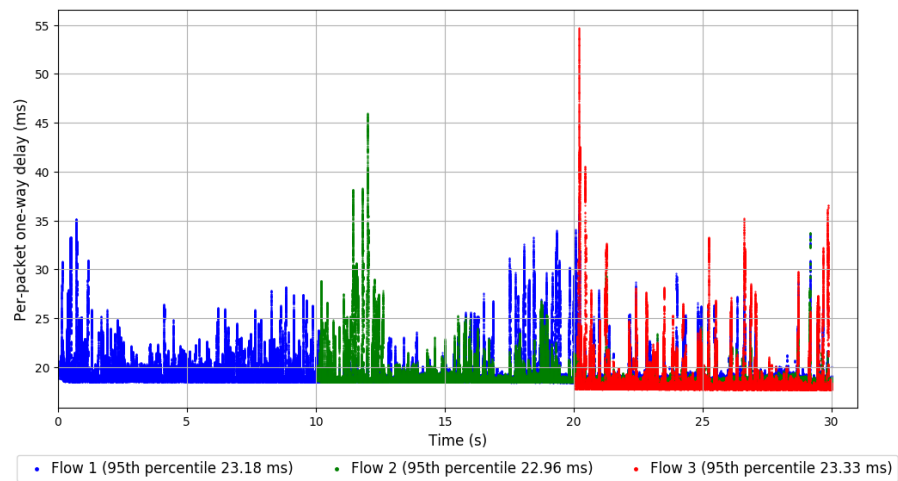
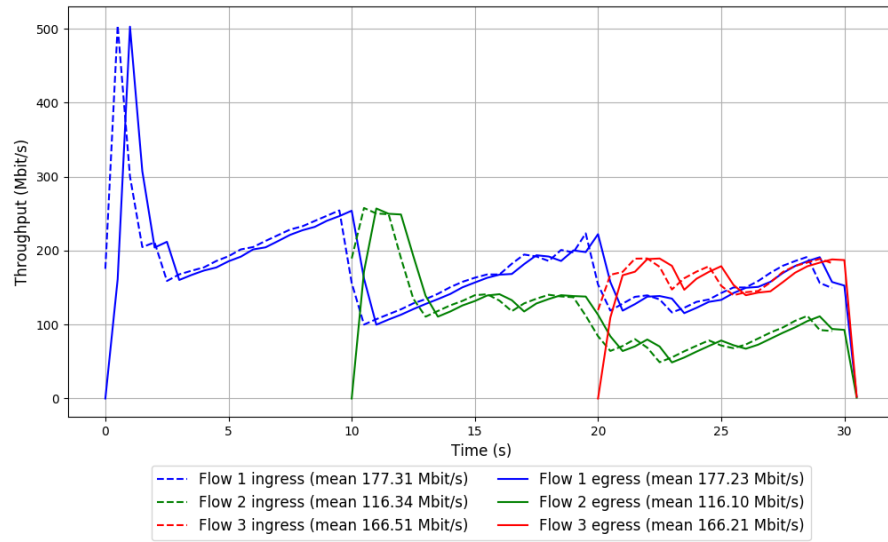


Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 23:28:27  
End at: 2018-06-29 23:28:57  
Local clock offset: 0.588 ms  
Remote clock offset: 10.487 ms

# Below is generated by plot.py at 2018-06-30 02:14:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 309.82 Mbit/s  
95th percentile per-packet one-way delay: 23.146 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 177.23 Mbit/s  
95th percentile per-packet one-way delay: 23.180 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 116.10 Mbit/s  
95th percentile per-packet one-way delay: 22.956 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 166.21 Mbit/s  
95th percentile per-packet one-way delay: 23.330 ms  
Loss rate: 0.18%

# Run 6: Report of TCP Cubic — Data Link

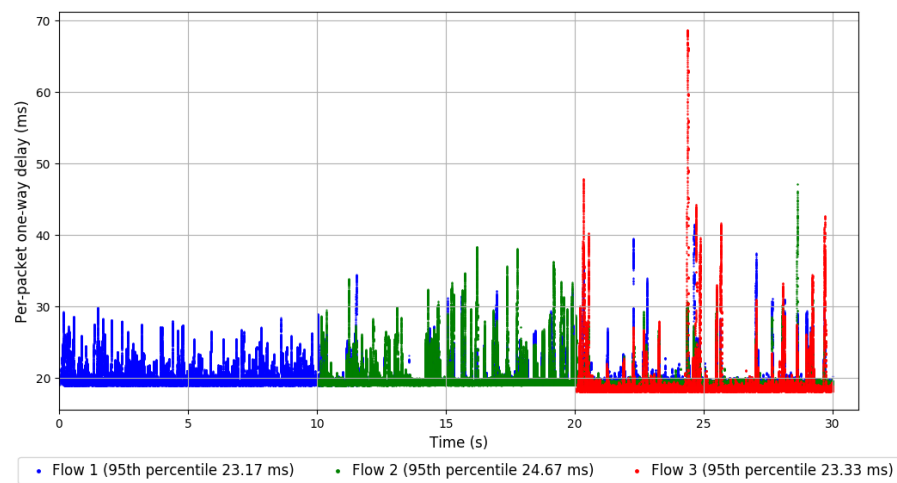
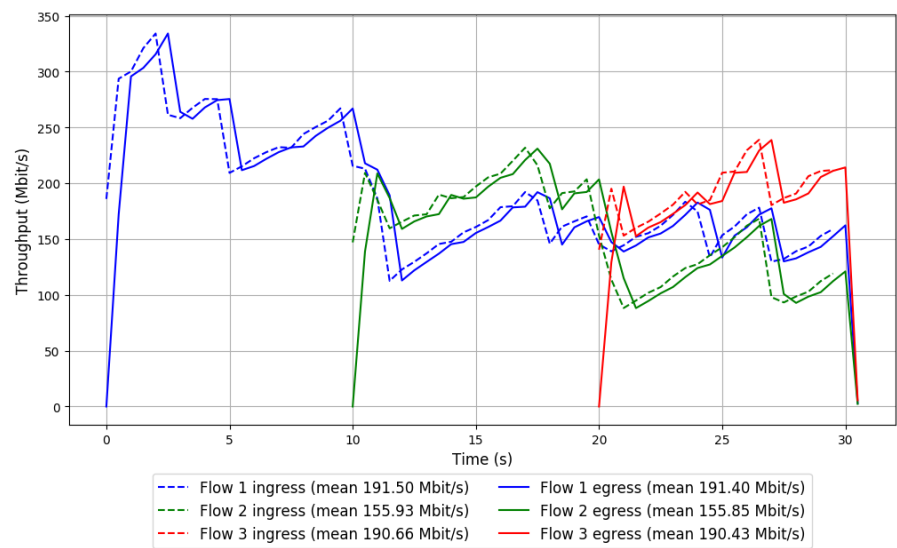


Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 23:55:23  
End at: 2018-06-29 23:55:53  
Local clock offset: -0.14 ms  
Remote clock offset: -0.943 ms

# Below is generated by plot.py at 2018-06-30 02:14:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 358.53 Mbit/s  
95th percentile per-packet one-way delay: 23.601 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 191.40 Mbit/s  
95th percentile per-packet one-way delay: 23.172 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 155.85 Mbit/s  
95th percentile per-packet one-way delay: 24.666 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 190.43 Mbit/s  
95th percentile per-packet one-way delay: 23.327 ms  
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 00:22:20

End at: 2018-06-30 00:22:50

Local clock offset: -0.118 ms

Remote clock offset: 2.517 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 368.49 Mbit/s

95th percentile per-packet one-way delay: 23.233 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 197.50 Mbit/s

95th percentile per-packet one-way delay: 23.041 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 156.38 Mbit/s

95th percentile per-packet one-way delay: 23.435 ms

Loss rate: 0.10%

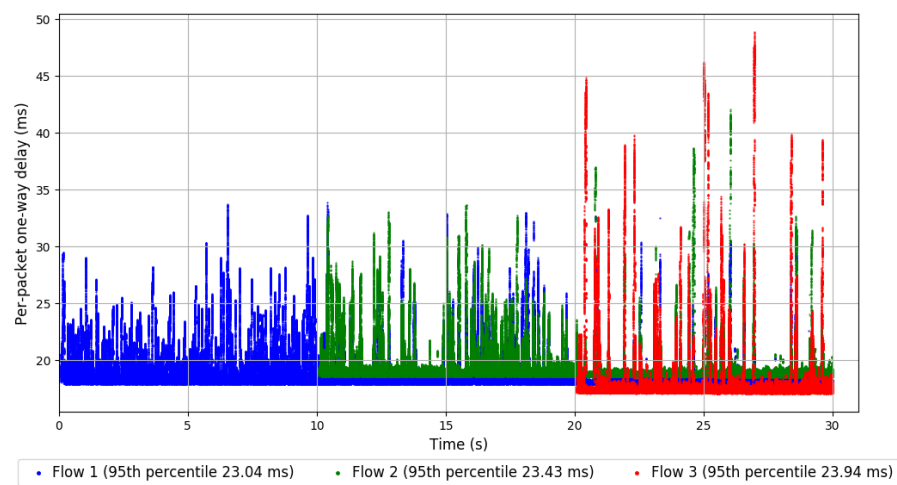
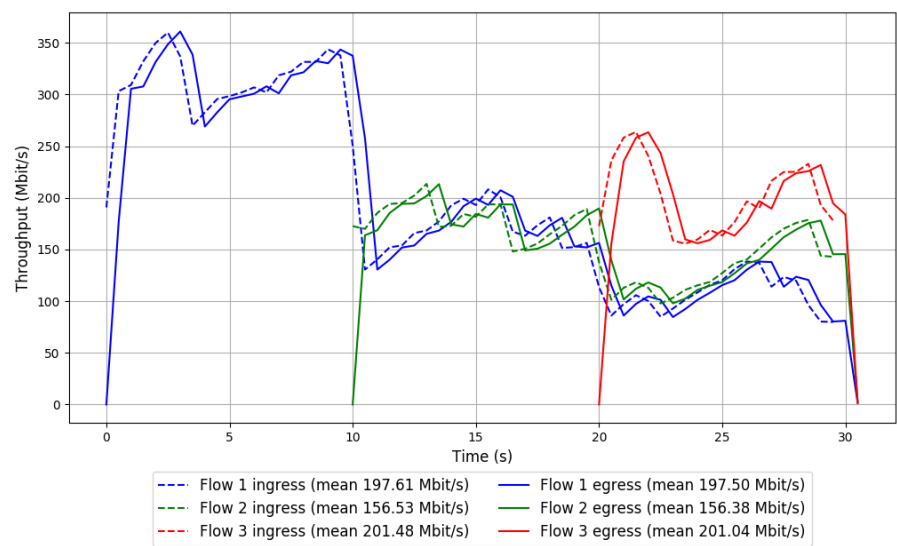
-- Flow 3:

Average throughput: 201.04 Mbit/s

95th percentile per-packet one-way delay: 23.940 ms

Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 00:49:16

End at: 2018-06-30 00:49:46

Local clock offset: 0.975 ms

Remote clock offset: 3.44 ms

# Below is generated by plot.py at 2018-06-30 02:14:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 337.04 Mbit/s

95th percentile per-packet one-way delay: 23.847 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 187.82 Mbit/s

95th percentile per-packet one-way delay: 24.435 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 147.44 Mbit/s

95th percentile per-packet one-way delay: 22.058 ms

Loss rate: 0.05%

-- Flow 3:

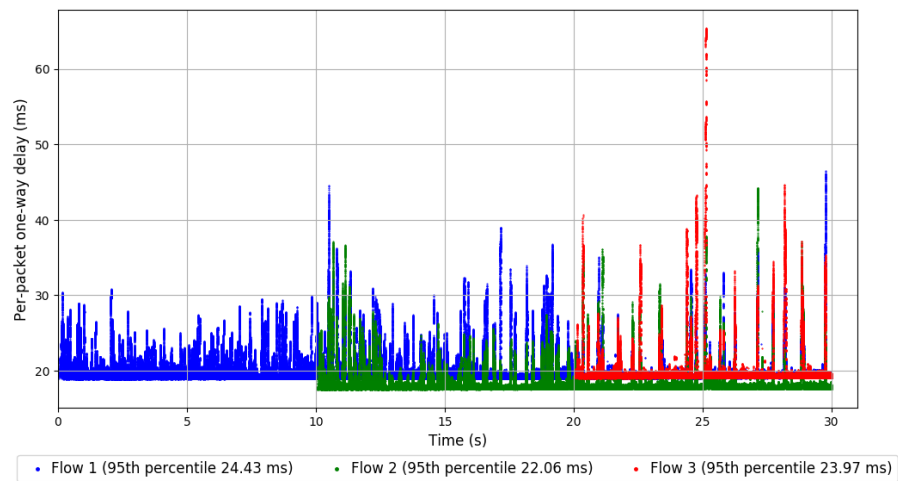
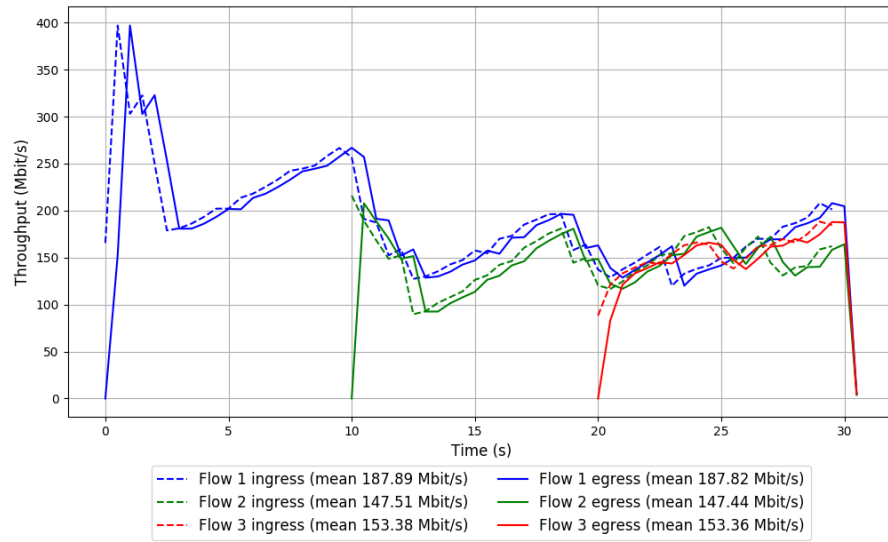
Average throughput: 153.36 Mbit/s

95th percentile per-packet one-way delay: 23.969 ms

Loss rate: 0.01%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 01:16:02

End at: 2018-06-30 01:16:32

Local clock offset: 4.196 ms

Remote clock offset: 3.071 ms

# Below is generated by plot.py at 2018-06-30 02:16:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 414.25 Mbit/s

95th percentile per-packet one-way delay: 22.007 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 175.86 Mbit/s

95th percentile per-packet one-way delay: 22.581 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 162.57 Mbit/s

95th percentile per-packet one-way delay: 21.797 ms

Loss rate: 0.03%

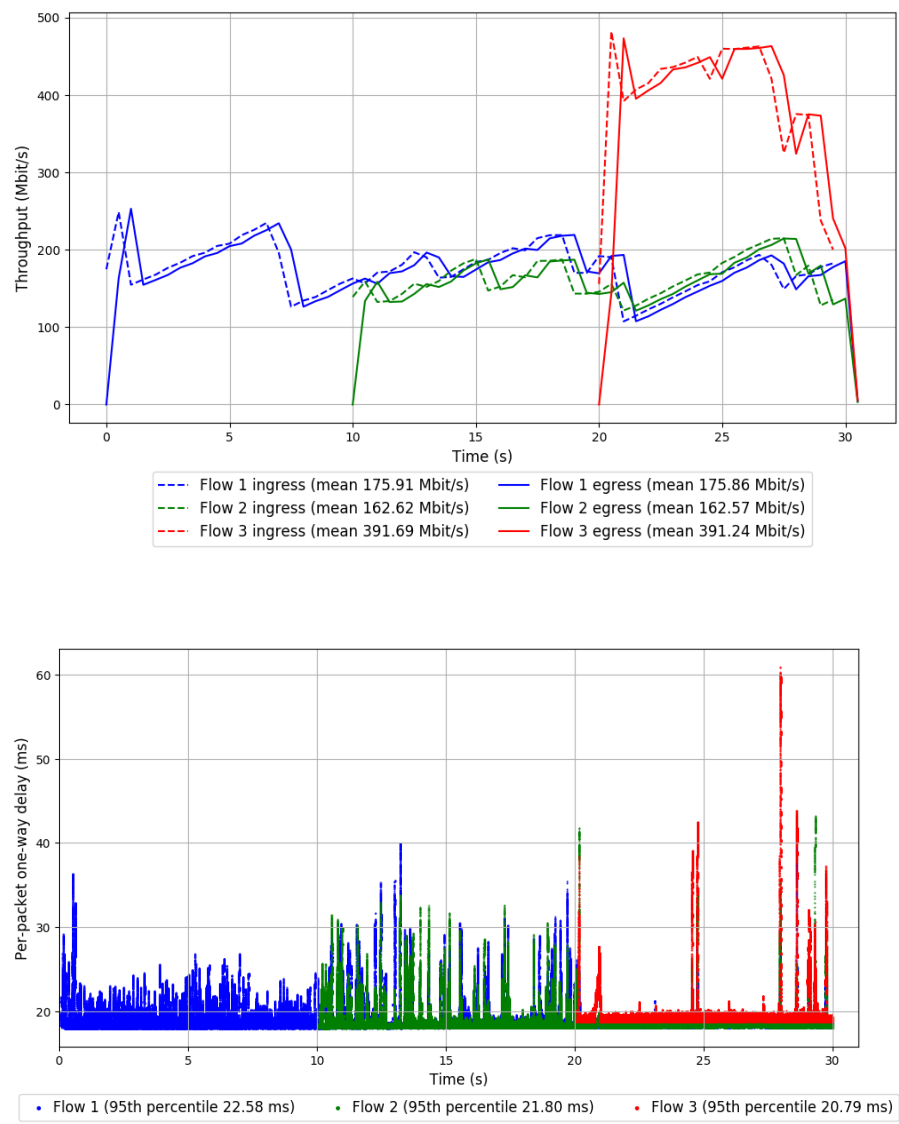
-- Flow 3:

Average throughput: 391.24 Mbit/s

95th percentile per-packet one-way delay: 20.787 ms

Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-29 21:10:36

End at: 2018-06-29 21:11:06

Local clock offset: 3.873 ms

Remote clock offset: 3.362 ms

# Below is generated by plot.py at 2018-06-30 02:24:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 862.34 Mbit/s

95th percentile per-packet one-way delay: 108.950 ms

Loss rate: 15.44%

-- Flow 1:

Average throughput: 489.30 Mbit/s

95th percentile per-packet one-way delay: 116.841 ms

Loss rate: 10.97%

-- Flow 2:

Average throughput: 388.01 Mbit/s

95th percentile per-packet one-way delay: 77.744 ms

Loss rate: 19.45%

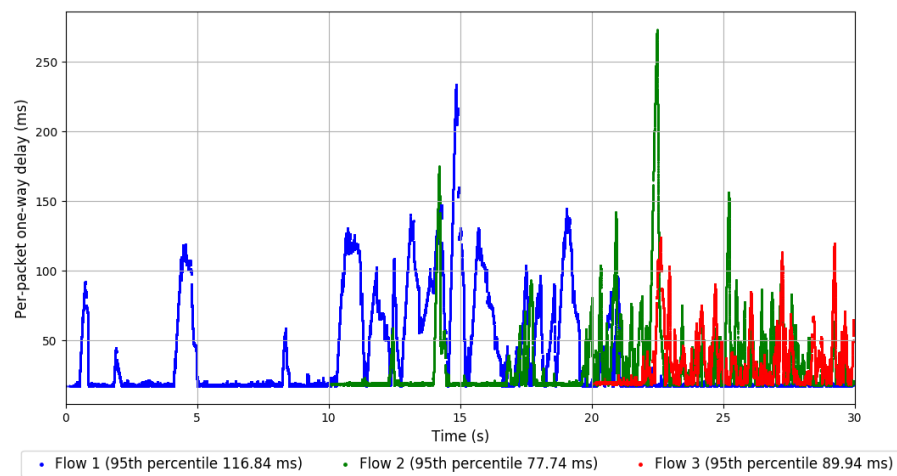
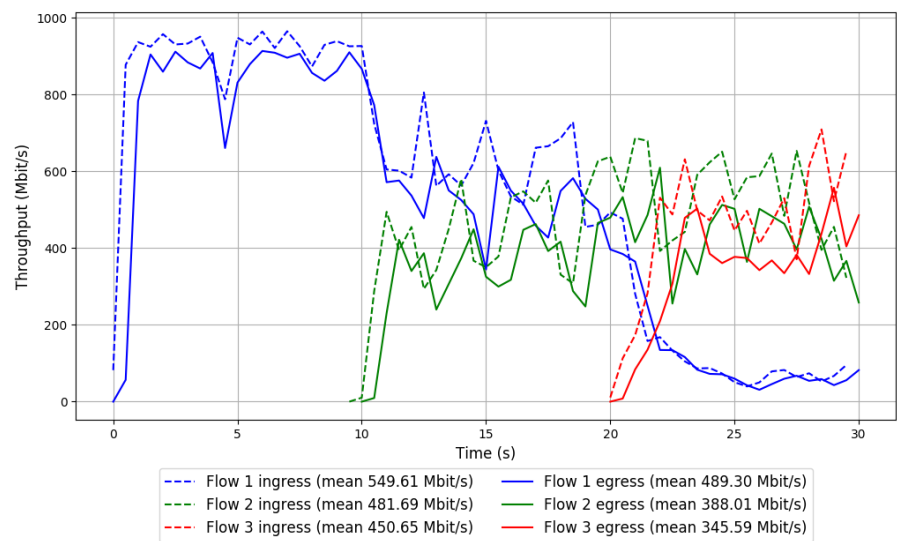
-- Flow 3:

Average throughput: 345.59 Mbit/s

95th percentile per-packet one-way delay: 89.940 ms

Loss rate: 23.30%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-29 21:37:20

End at: 2018-06-29 21:37:50

Local clock offset: 3.492 ms

Remote clock offset: -3.85 ms

# Below is generated by plot.py at 2018-06-30 02:24:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 831.34 Mbit/s

95th percentile per-packet one-way delay: 105.066 ms

Loss rate: 16.70%

-- Flow 1:

Average throughput: 489.64 Mbit/s

95th percentile per-packet one-way delay: 105.292 ms

Loss rate: 12.68%

-- Flow 2:

Average throughput: 351.37 Mbit/s

95th percentile per-packet one-way delay: 87.963 ms

Loss rate: 21.43%

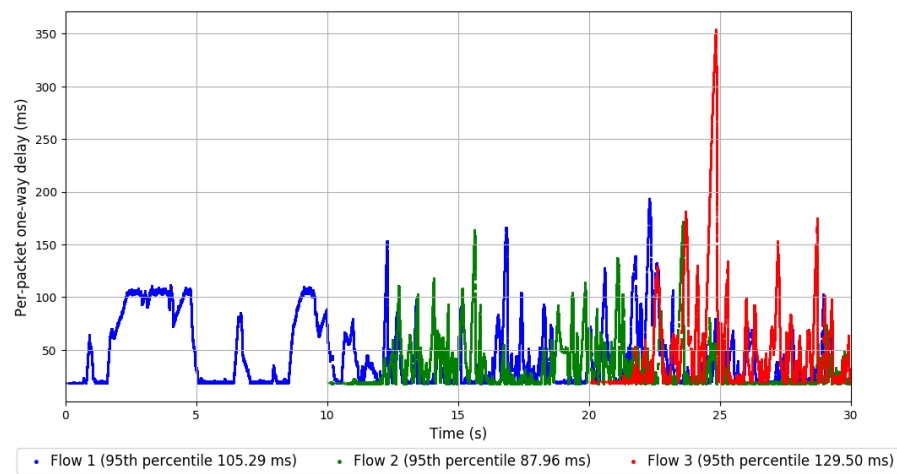
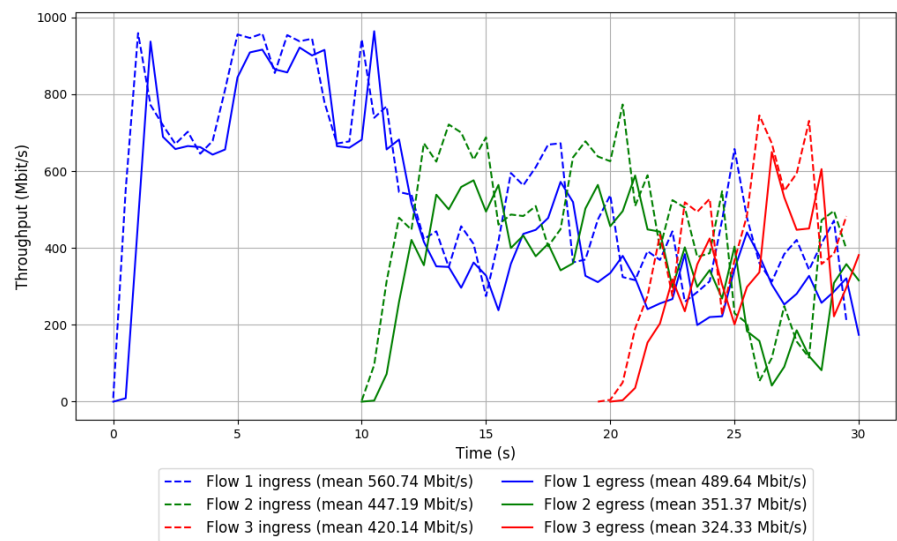
-- Flow 3:

Average throughput: 324.33 Mbit/s

95th percentile per-packet one-way delay: 129.503 ms

Loss rate: 22.80%

Run 2: Report of FillP — Data Link



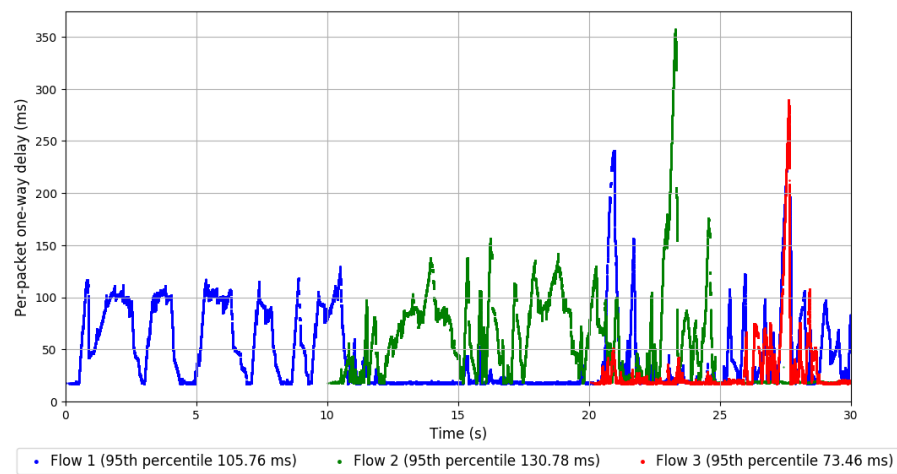
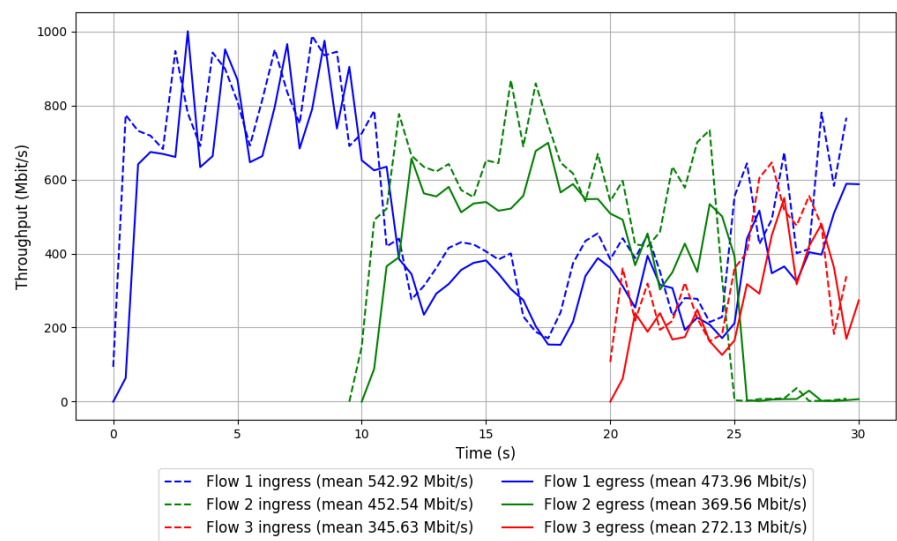
Run 3: Statistics of FillP

Start at: 2018-06-29 22:04:07  
End at: 2018-06-29 22:04:37  
Local clock offset: 0.216 ms  
Remote clock offset: -5.994 ms

# Below is generated by plot.py at 2018-06-30 02:25:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 810.32 Mbit/s  
95th percentile per-packet one-way delay: 113.393 ms  
Loss rate: 15.49%  
-- Flow 1:  
Average throughput: 473.96 Mbit/s  
95th percentile per-packet one-way delay: 105.761 ms  
Loss rate: 12.70%  
-- Flow 2:  
Average throughput: 369.56 Mbit/s  
95th percentile per-packet one-way delay: 130.779 ms  
Loss rate: 18.33%  
-- Flow 3:  
Average throughput: 272.13 Mbit/s  
95th percentile per-packet one-way delay: 73.460 ms  
Loss rate: 21.26%



Run 3: Report of FillP — Data Link

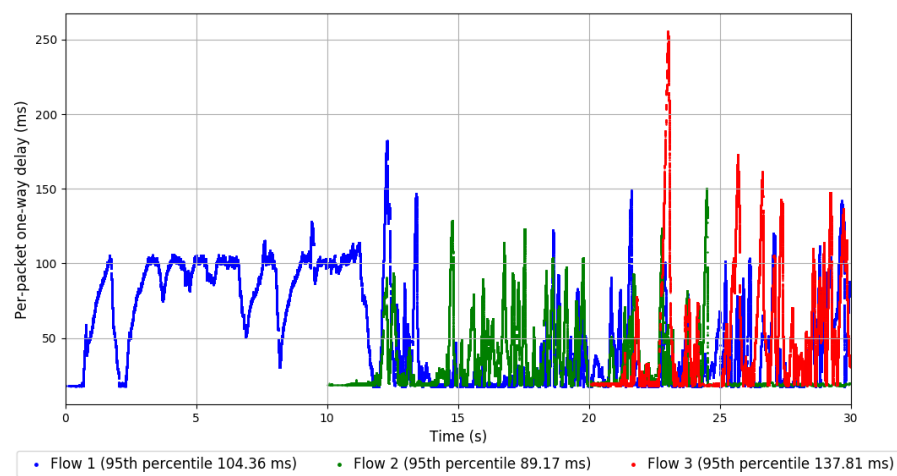
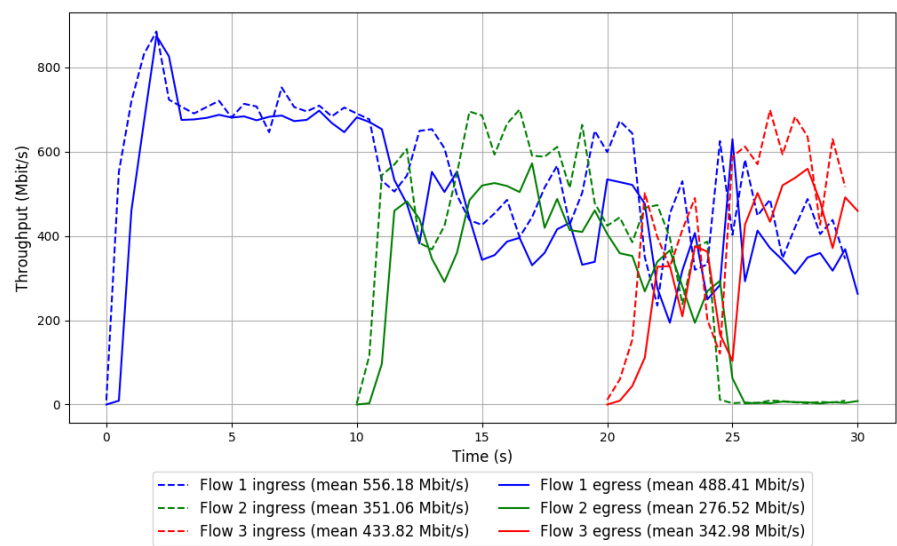


Run 4: Statistics of FillP

Start at: 2018-06-29 22:31:00  
End at: 2018-06-29 22:31:30  
Local clock offset: 0.039 ms  
Remote clock offset: -1.306 ms

# Below is generated by plot.py at 2018-06-30 02:25:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 786.35 Mbit/s  
95th percentile per-packet one-way delay: 104.670 ms  
Loss rate: 15.80%  
-- Flow 1:  
Average throughput: 488.41 Mbit/s  
95th percentile per-packet one-way delay: 104.364 ms  
Loss rate: 12.18%  
-- Flow 2:  
Average throughput: 276.52 Mbit/s  
95th percentile per-packet one-way delay: 89.166 ms  
Loss rate: 21.23%  
-- Flow 3:  
Average throughput: 342.98 Mbit/s  
95th percentile per-packet one-way delay: 137.815 ms  
Loss rate: 20.95%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 22:57:47

End at: 2018-06-29 22:58:17

Local clock offset: 2.735 ms

Remote clock offset: 6.538 ms

# Below is generated by plot.py at 2018-06-30 02:27:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 803.08 Mbit/s

95th percentile per-packet one-way delay: 115.162 ms

Loss rate: 15.47%

-- Flow 1:

Average throughput: 484.95 Mbit/s

95th percentile per-packet one-way delay: 109.269 ms

Loss rate: 12.45%

-- Flow 2:

Average throughput: 300.51 Mbit/s

95th percentile per-packet one-way delay: 116.143 ms

Loss rate: 19.58%

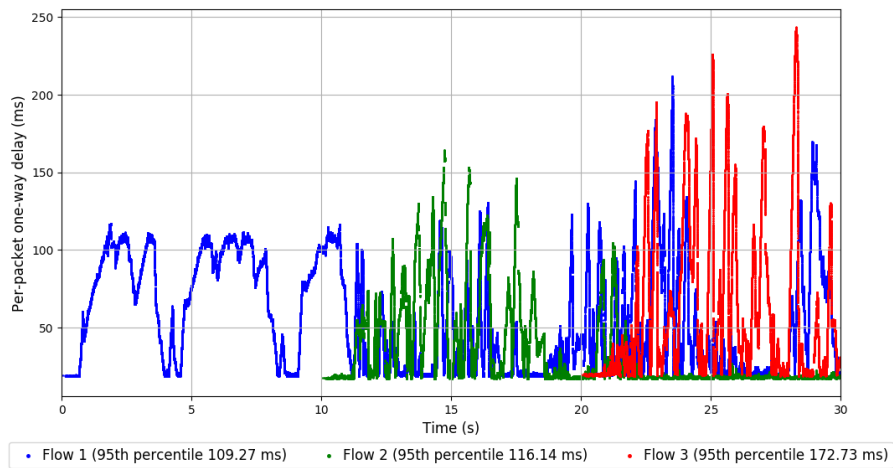
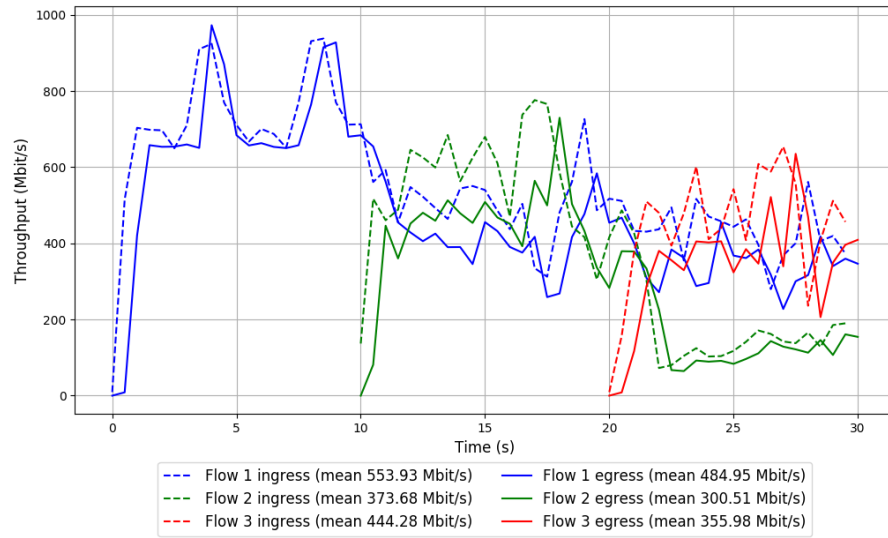
-- Flow 3:

Average throughput: 355.98 Mbit/s

95th percentile per-packet one-way delay: 172.727 ms

Loss rate: 19.86%

## Run 5: Report of FillP — Data Link

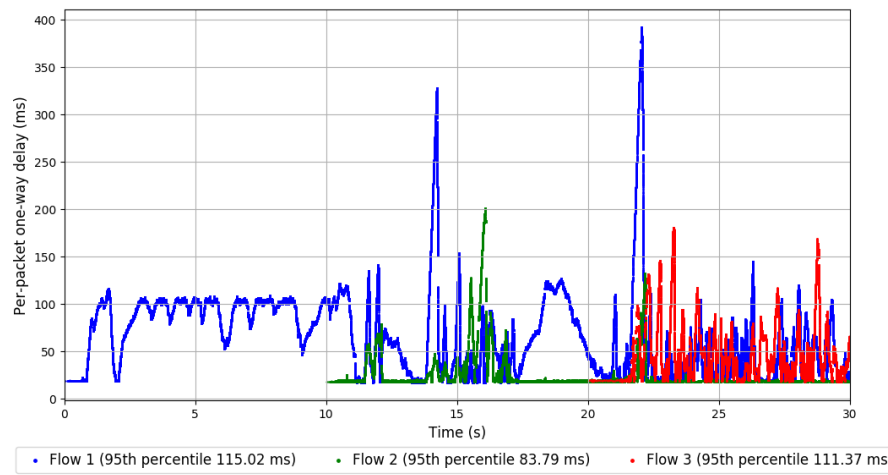
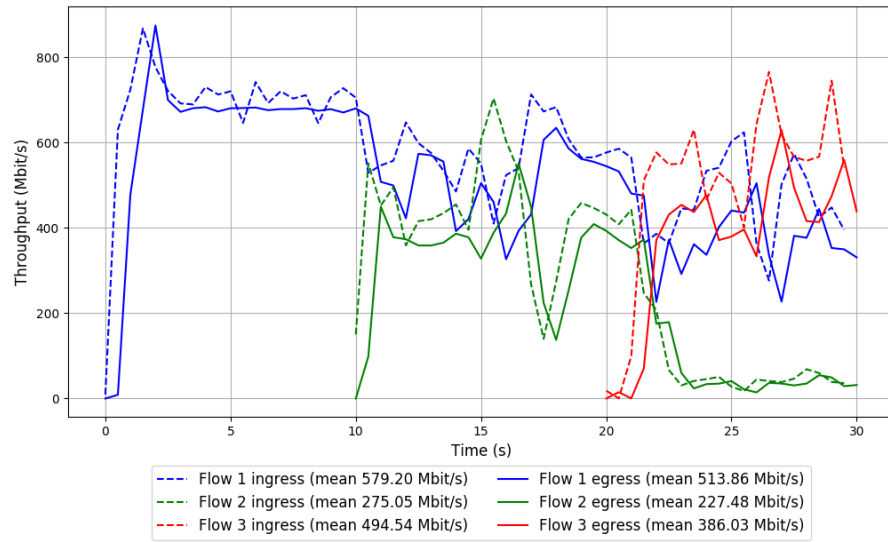


Run 6: Statistics of FillP

Start at: 2018-06-29 23:24:50  
End at: 2018-06-29 23:25:20  
Local clock offset: 1.201 ms  
Remote clock offset: 10.007 ms

# Below is generated by plot.py at 2018-06-30 02:27:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 793.63 Mbit/s  
95th percentile per-packet one-way delay: 112.617 ms  
Loss rate: 14.37%  
-- Flow 1:  
Average throughput: 513.86 Mbit/s  
95th percentile per-packet one-way delay: 115.021 ms  
Loss rate: 11.29%  
-- Flow 2:  
Average throughput: 227.48 Mbit/s  
95th percentile per-packet one-way delay: 83.787 ms  
Loss rate: 17.30%  
-- Flow 3:  
Average throughput: 386.03 Mbit/s  
95th percentile per-packet one-way delay: 111.368 ms  
Loss rate: 21.95%

## Run 6: Report of FillP — Data Link



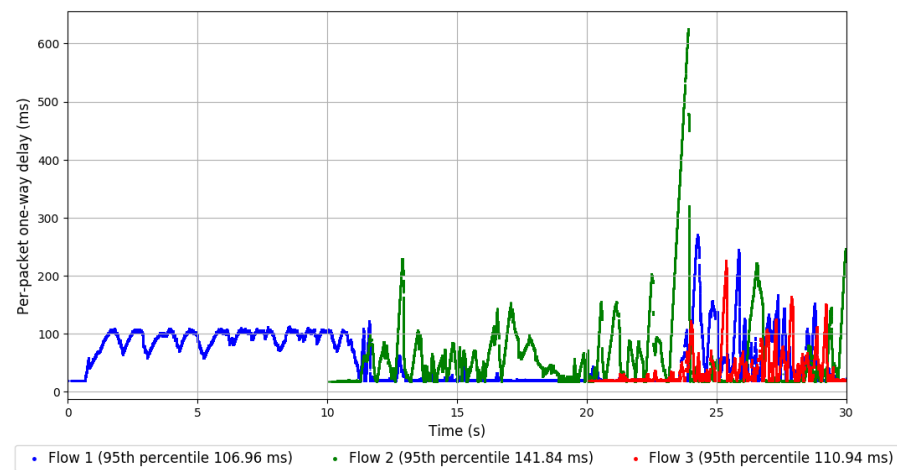
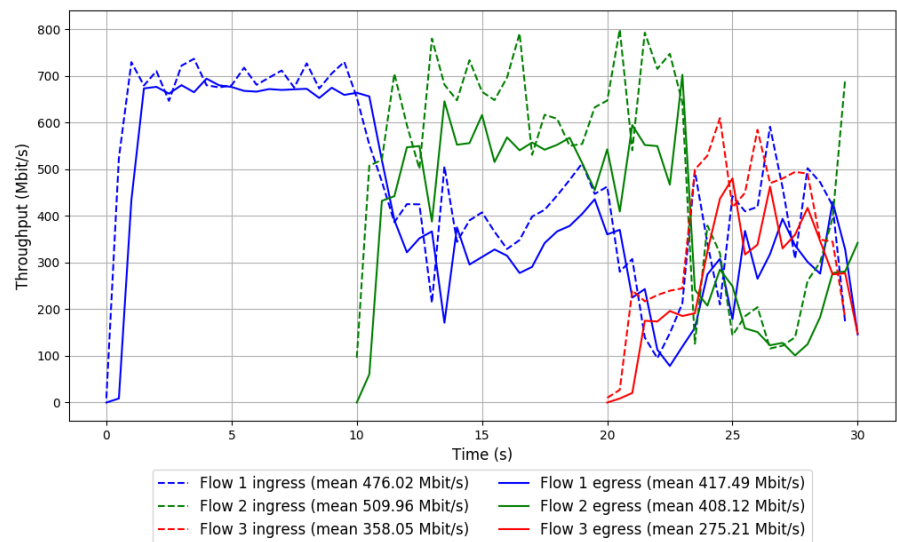
Run 7: Statistics of FillP

Start at: 2018-06-29 23:51:45  
End at: 2018-06-29 23:52:15  
Local clock offset: -0.332 ms  
Remote clock offset: -0.31 ms

# Below is generated by plot.py at 2018-06-30 02:27:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 780.28 Mbit/s  
95th percentile per-packet one-way delay: 120.147 ms  
Loss rate: 16.45%  
-- Flow 1:  
Average throughput: 417.49 Mbit/s  
95th percentile per-packet one-way delay: 106.960 ms  
Loss rate: 12.28%  
-- Flow 2:  
Average throughput: 408.12 Mbit/s  
95th percentile per-packet one-way delay: 141.836 ms  
Loss rate: 19.97%  
-- Flow 3:  
Average throughput: 275.21 Mbit/s  
95th percentile per-packet one-way delay: 110.938 ms  
Loss rate: 23.14%



Run 7: Report of FillP — Data Link

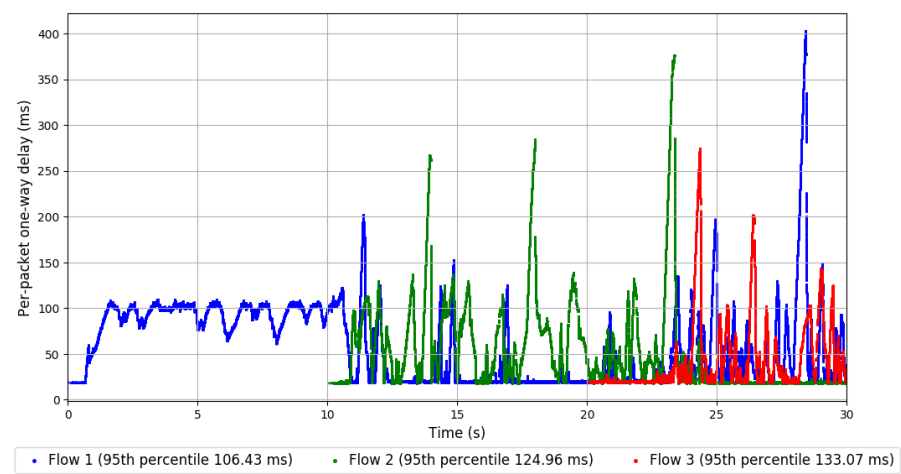
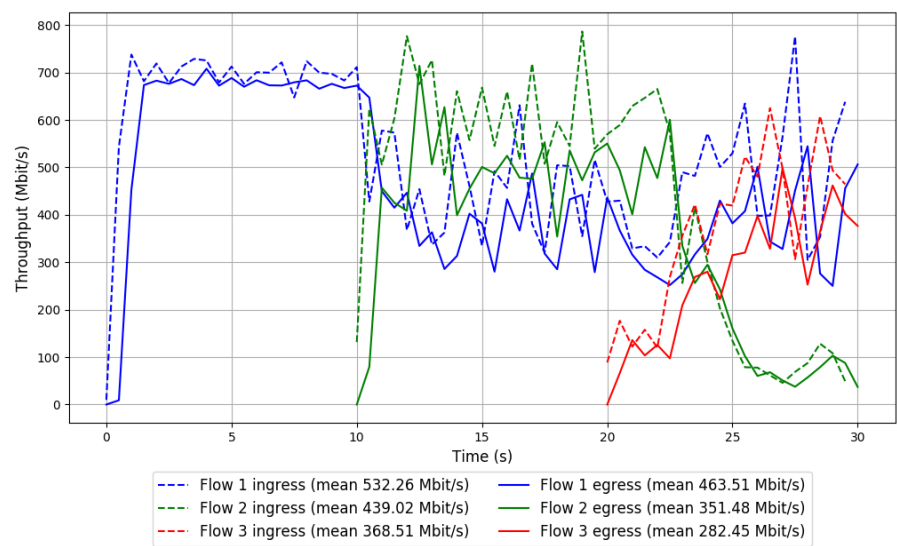


Run 8: Statistics of FillP

Start at: 2018-06-30 00:18:43  
End at: 2018-06-30 00:19:13  
Local clock offset: -0.139 ms  
Remote clock offset: 1.902 ms

# Below is generated by plot.py at 2018-06-30 02:29:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 791.32 Mbit/s  
95th percentile per-packet one-way delay: 116.270 ms  
Loss rate: 16.43%  
-- Flow 1:  
Average throughput: 463.51 Mbit/s  
95th percentile per-packet one-way delay: 106.430 ms  
Loss rate: 12.91%  
-- Flow 2:  
Average throughput: 351.48 Mbit/s  
95th percentile per-packet one-way delay: 124.961 ms  
Loss rate: 19.93%  
-- Flow 3:  
Average throughput: 282.45 Mbit/s  
95th percentile per-packet one-way delay: 133.073 ms  
Loss rate: 23.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 00:45:42

End at: 2018-06-30 00:46:12

Local clock offset: -0.383 ms

Remote clock offset: 3.575 ms

# Below is generated by plot.py at 2018-06-30 02:37:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 801.16 Mbit/s

95th percentile per-packet one-way delay: 119.175 ms

Loss rate: 13.74%

-- Flow 1:

Average throughput: 528.50 Mbit/s

95th percentile per-packet one-way delay: 115.691 ms

Loss rate: 10.98%

-- Flow 2:

Average throughput: 354.86 Mbit/s

95th percentile per-packet one-way delay: 132.975 ms

Loss rate: 18.70%

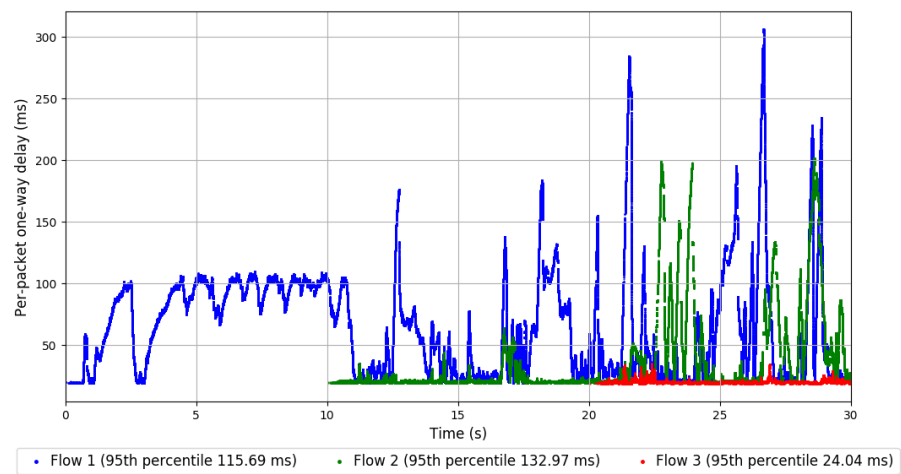
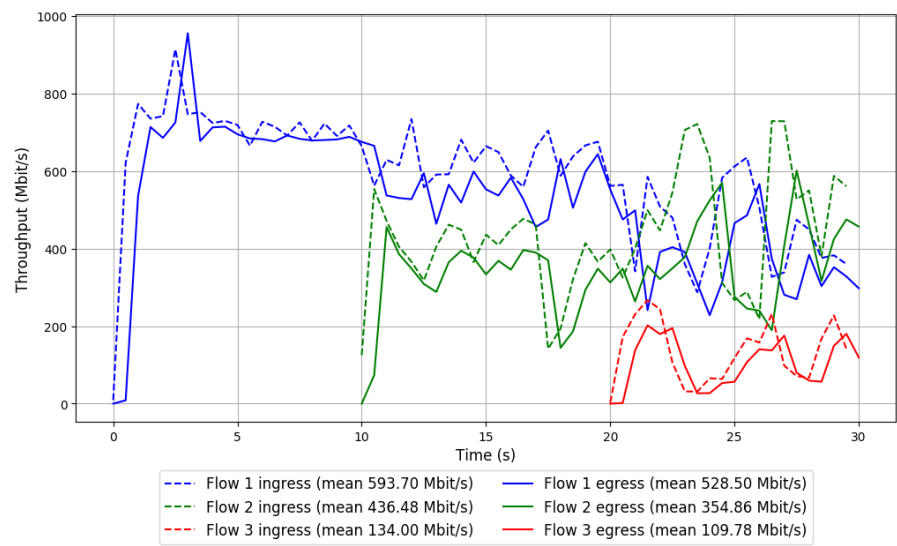
-- Flow 3:

Average throughput: 109.78 Mbit/s

95th percentile per-packet one-way delay: 24.042 ms

Loss rate: 18.07%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-30 01:12:27

End at: 2018-06-30 01:12:57

Local clock offset: 3.983 ms

Remote clock offset: 3.316 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 794.17 Mbit/s

95th percentile per-packet one-way delay: 108.357 ms

Loss rate: 15.39%

-- Flow 1:

Average throughput: 492.07 Mbit/s

95th percentile per-packet one-way delay: 109.278 ms

Loss rate: 11.88%

-- Flow 2:

Average throughput: 362.79 Mbit/s

95th percentile per-packet one-way delay: 106.022 ms

Loss rate: 19.14%

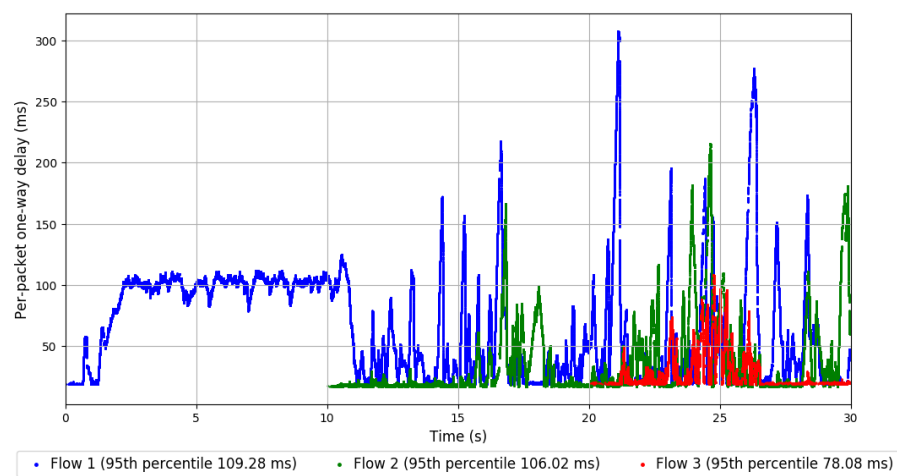
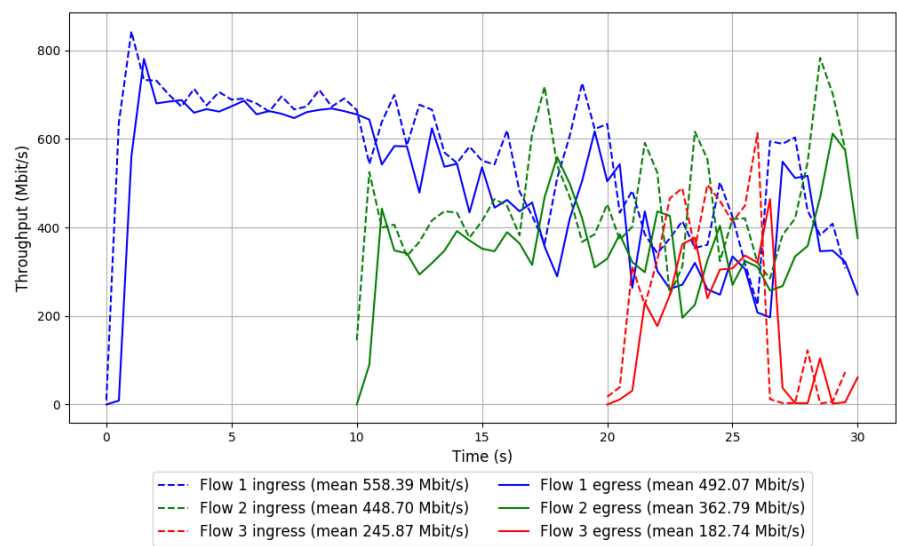
-- Flow 3:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 78.085 ms

Loss rate: 25.68%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-29 21:17:35

End at: 2018-06-29 21:18:05

Local clock offset: 3.981 ms

Remote clock offset: 2.552 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.270 ms

Loss rate: 0.00%

-- Flow 3:

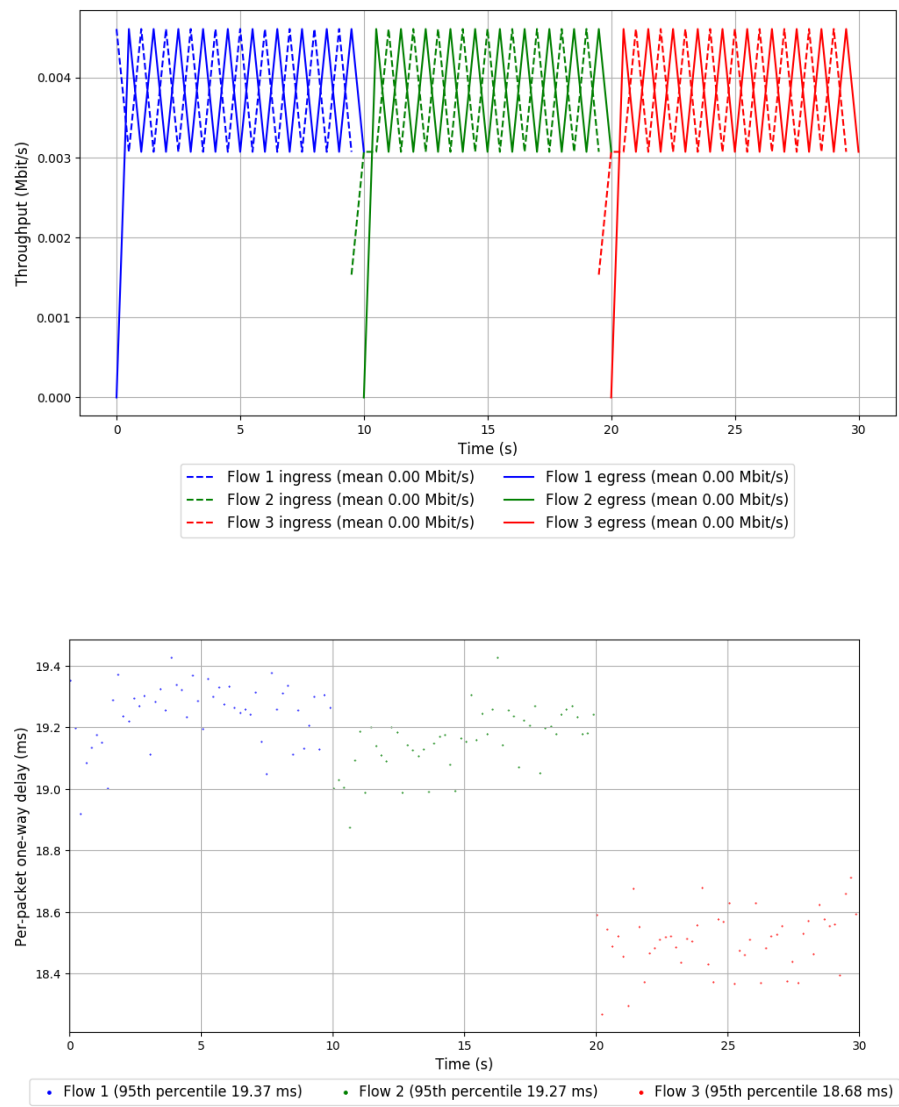
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.676 ms

Loss rate: 0.00%



Run 1: Report of FillP-Sheep — Data Link

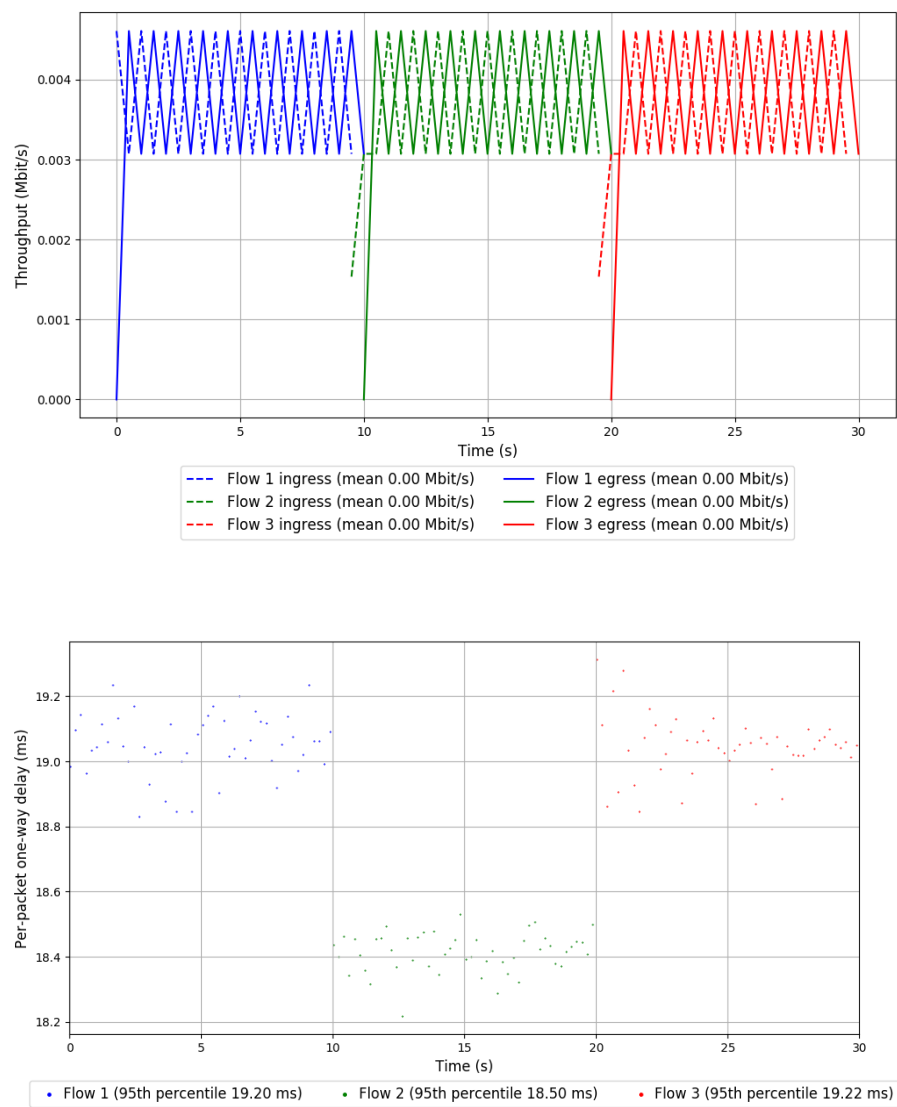


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-29 21:44:21  
End at: 2018-06-29 21:44:51  
Local clock offset: 3.457 ms  
Remote clock offset: -4.607 ms

# Below is generated by plot.py at 2018-06-30 02:37:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 19.169 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 19.200 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 18.499 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 19.216 ms  
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-29 22:11:06

End at: 2018-06-29 22:11:36

Local clock offset: -0.092 ms

Remote clock offset: -6.47 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.313 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.376 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.154 ms

Loss rate: 0.00%

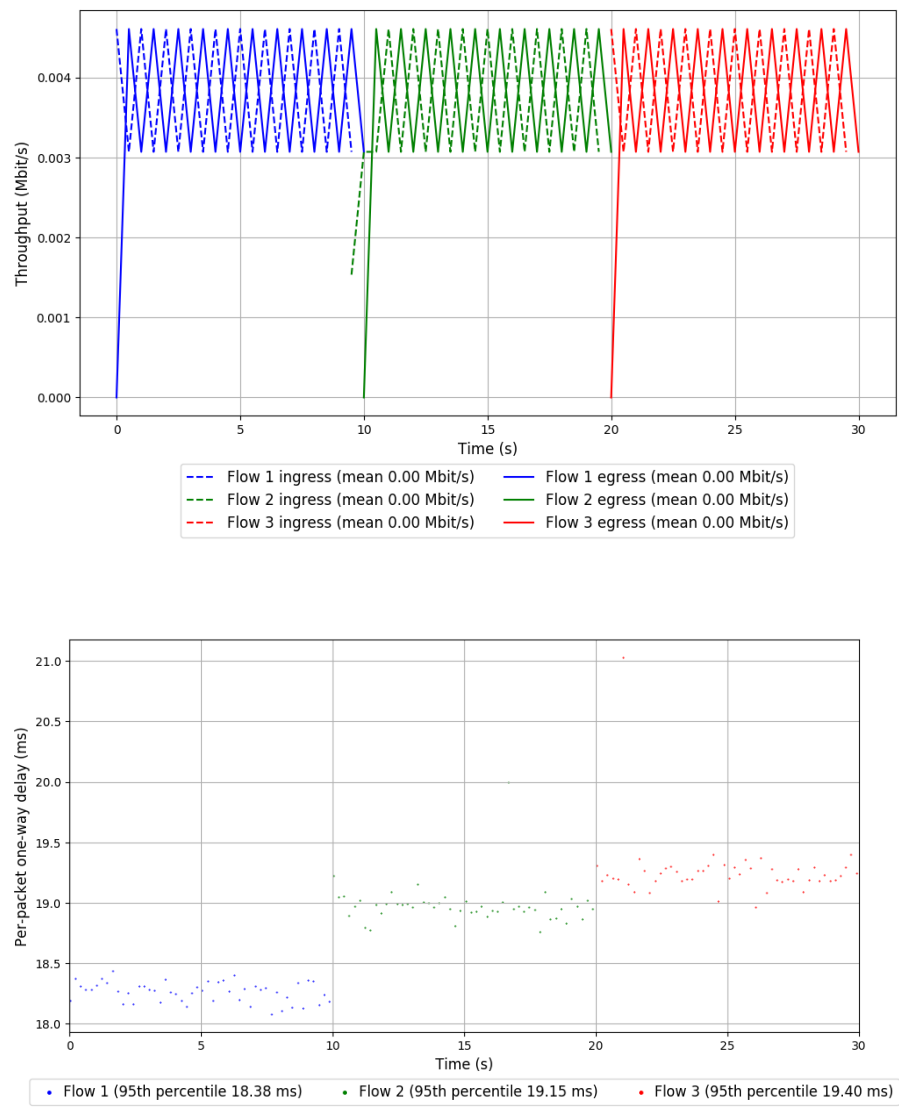
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.400 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-06-29 22:37:59

End at: 2018-06-29 22:38:29

Local clock offset: -0.009 ms

Remote clock offset: 2.148 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.081 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.209 ms

Loss rate: 0.00%

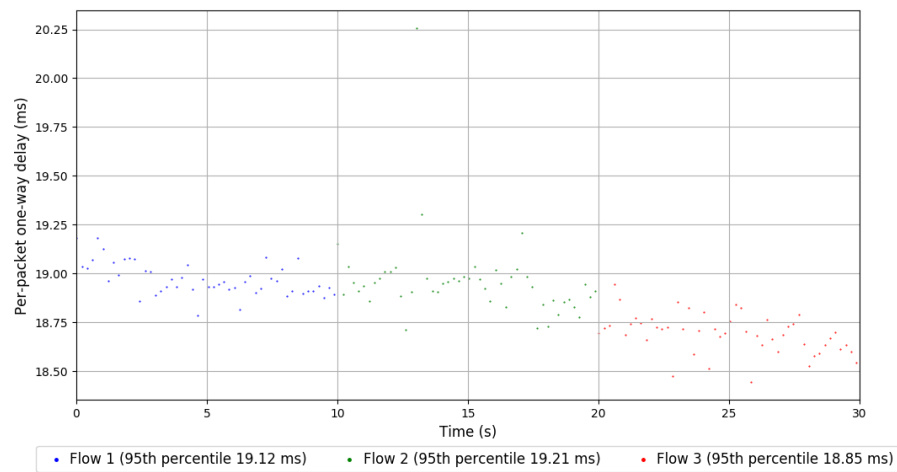
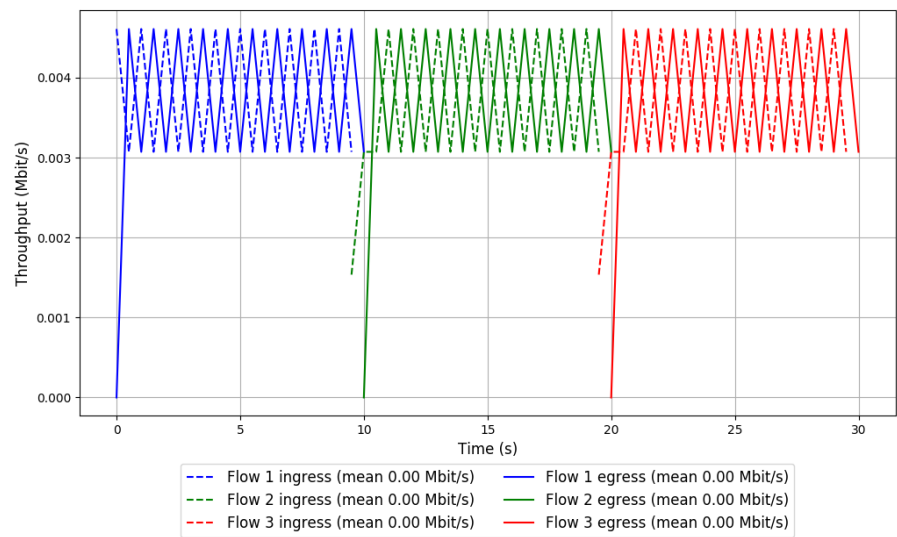
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.851 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-29 23:04:47

End at: 2018-06-29 23:05:17

Local clock offset: 3.361 ms

Remote clock offset: 7.46 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.326 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.393 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.458 ms

Loss rate: 0.00%

-- Flow 3:

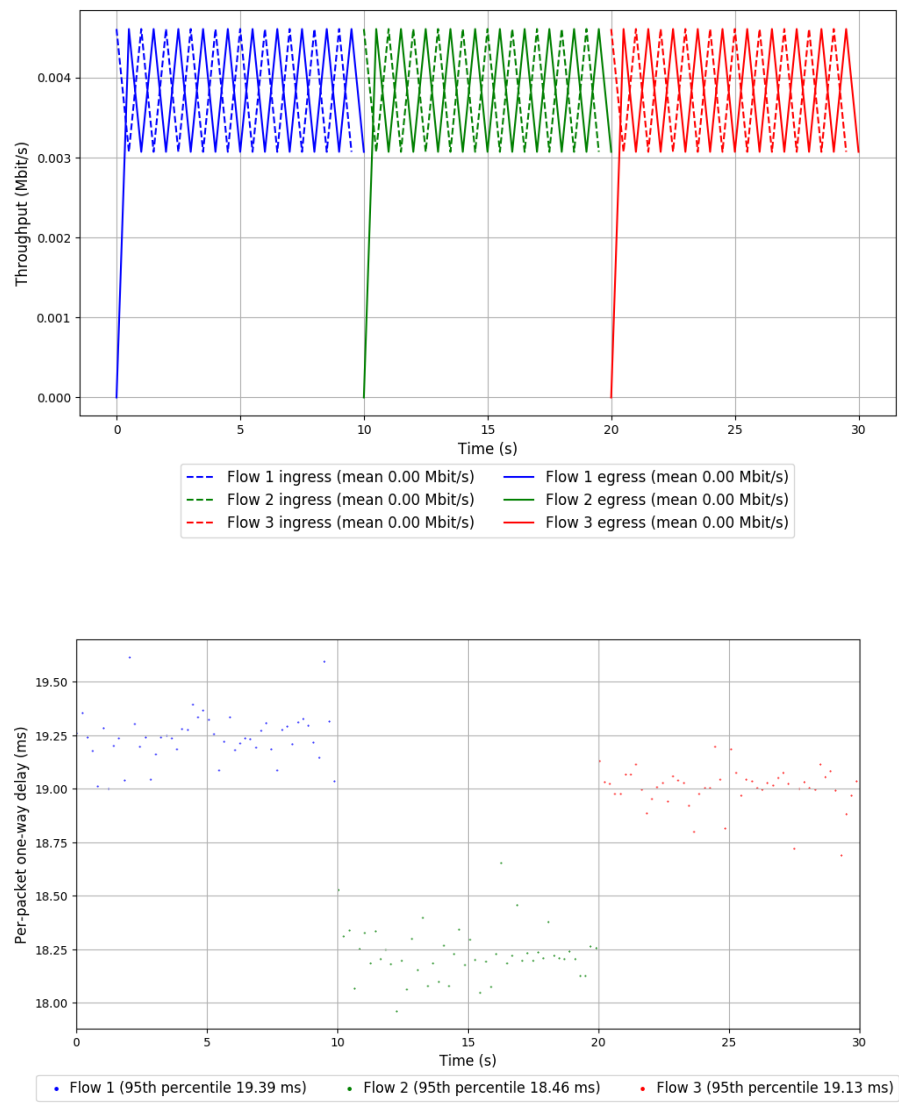
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.132 ms

Loss rate: 0.00%



Run 5: Report of FillP-Sheep — Data Link

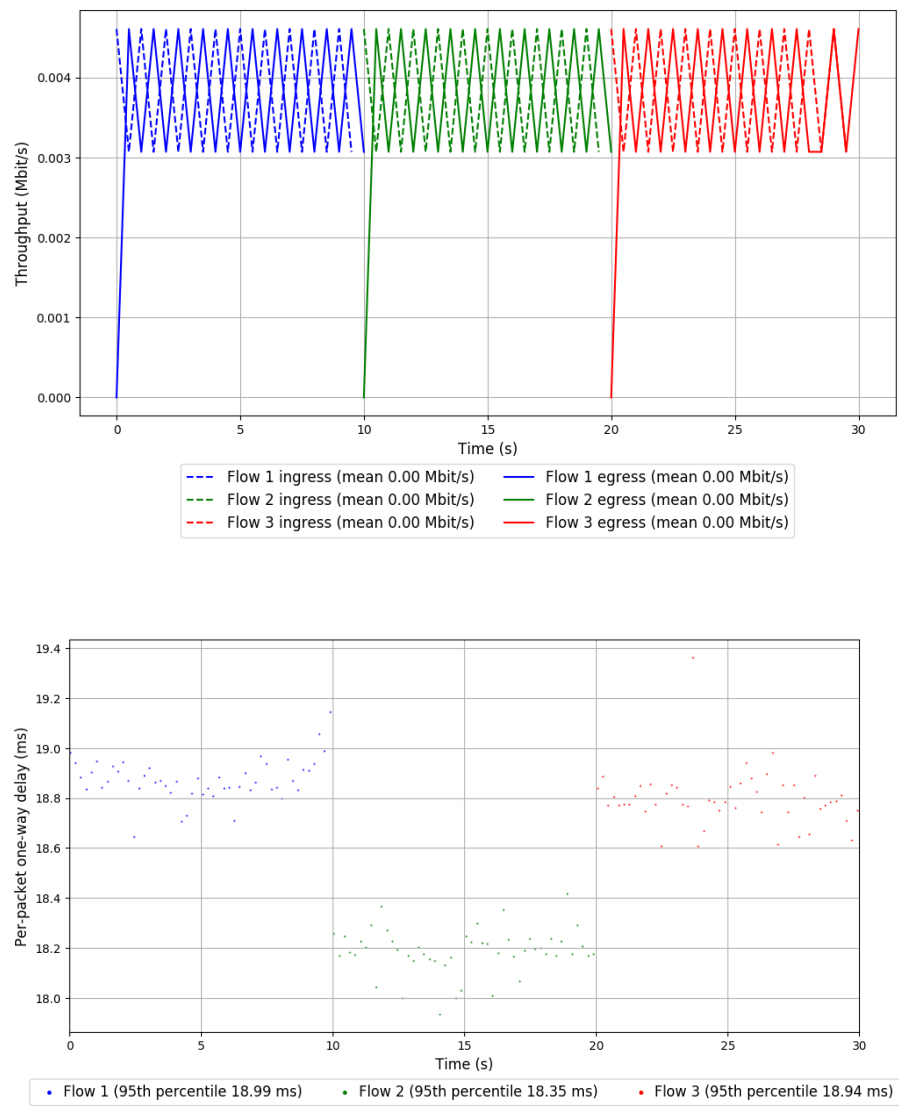


Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 23:31:47  
End at: 2018-06-29 23:32:17  
Local clock offset: 0.225 ms  
Remote clock offset: 10.975 ms

# Below is generated by plot.py at 2018-06-30 02:37:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 18.955 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 18.990 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 18.353 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 18.942 ms  
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

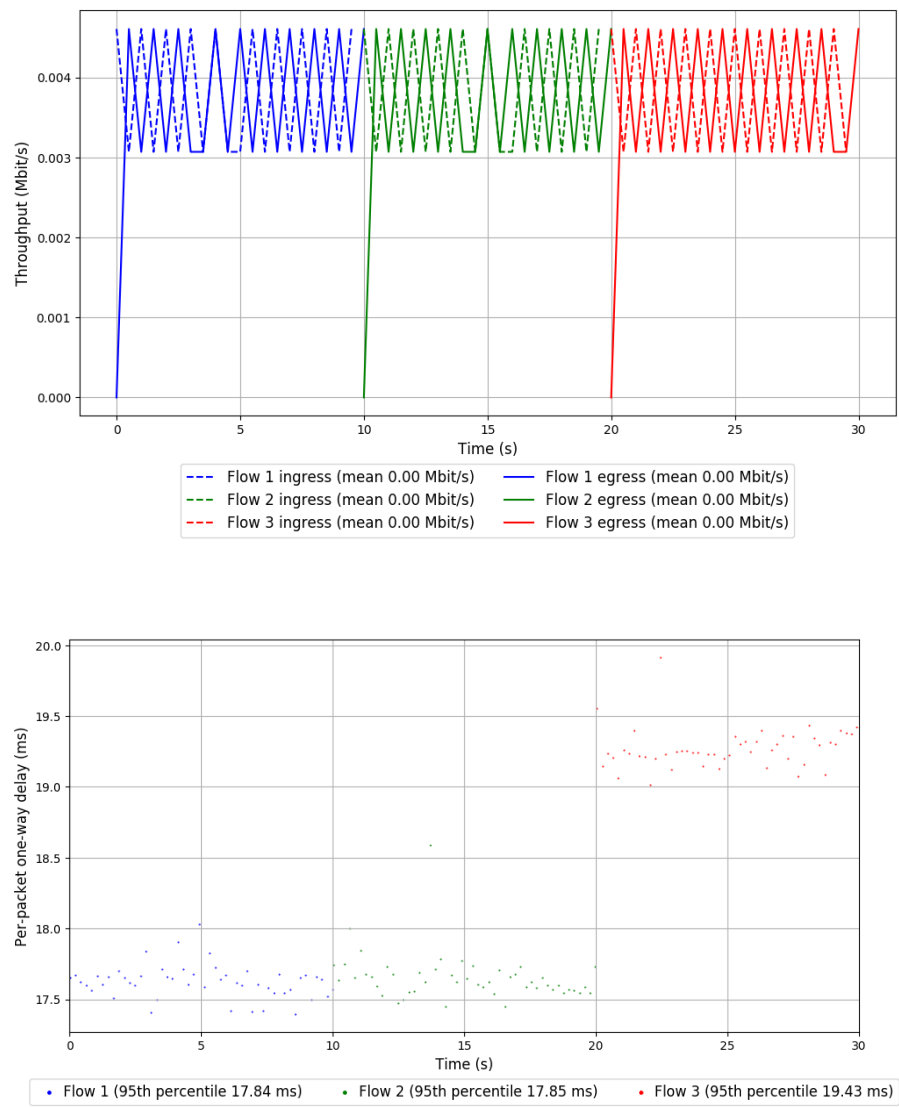


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-29 23:58:46  
End at: 2018-06-29 23:59:16  
Local clock offset: -0.18 ms  
Remote clock offset: -1.546 ms

# Below is generated by plot.py at 2018-06-30 02:37:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 19.381 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 17.839 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 17.846 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 19.434 ms  
Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 00:25:43

End at: 2018-06-30 00:26:13

Local clock offset: -0.216 ms

Remote clock offset: 2.881 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.318 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.570 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.348 ms

Loss rate: 0.00%

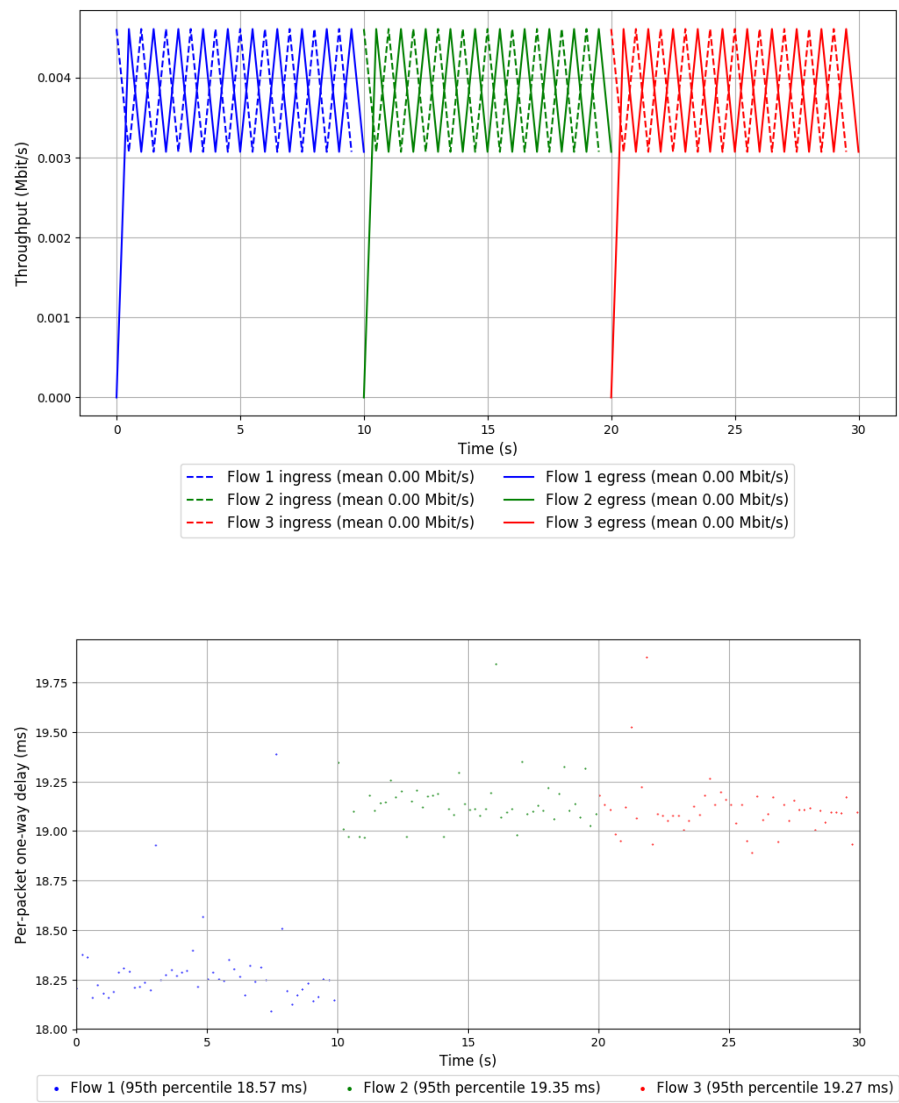
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.265 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 00:52:37

End at: 2018-06-30 00:53:07

Local clock offset: 1.762 ms

Remote clock offset: 3.323 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.642 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.617 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.846 ms

Loss rate: 0.00%

-- Flow 3:

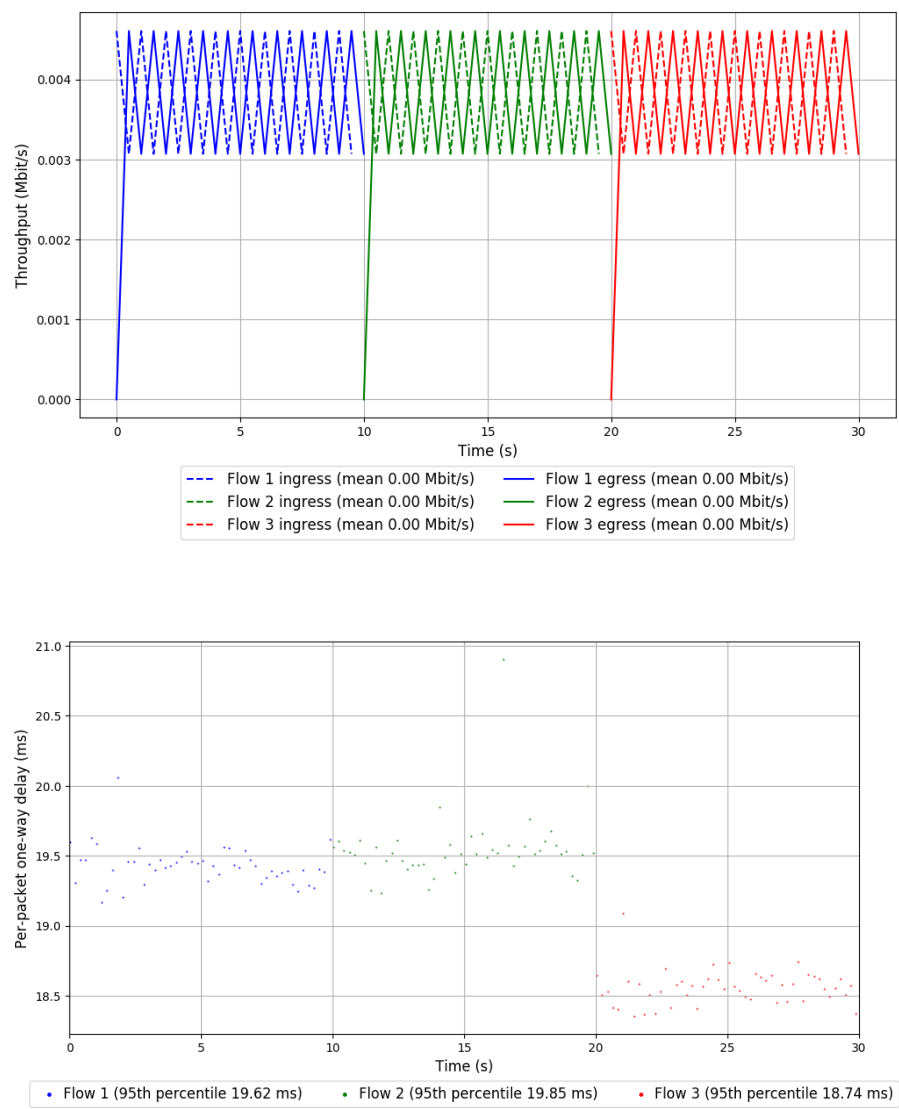
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.737 ms

Loss rate: 0.00%



Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 01:19:32

End at: 2018-06-30 01:20:02

Local clock offset: 3.862 ms

Remote clock offset: 1.923 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.466 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.489 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.470 ms

Loss rate: 0.00%

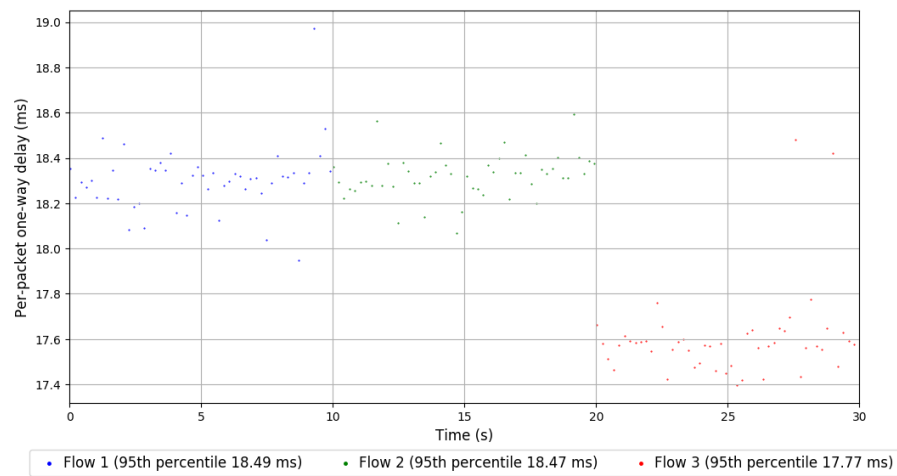
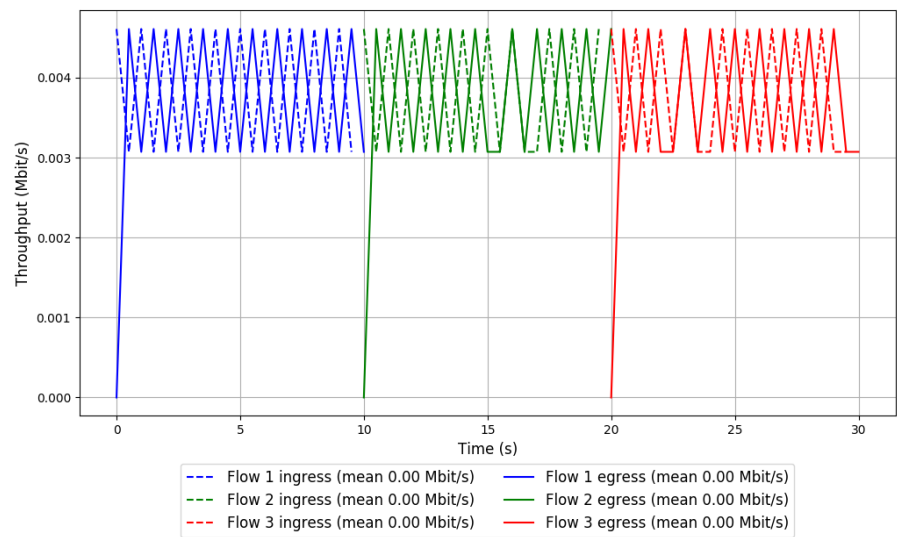
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.775 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-29 21:02:36

End at: 2018-06-29 21:03:06

Local clock offset: 3.239 ms

Remote clock offset: 3.159 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 390.44 Mbit/s

95th percentile per-packet one-way delay: 24.609 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 197.23 Mbit/s

95th percentile per-packet one-way delay: 28.087 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 197.85 Mbit/s

95th percentile per-packet one-way delay: 21.285 ms

Loss rate: 0.01%

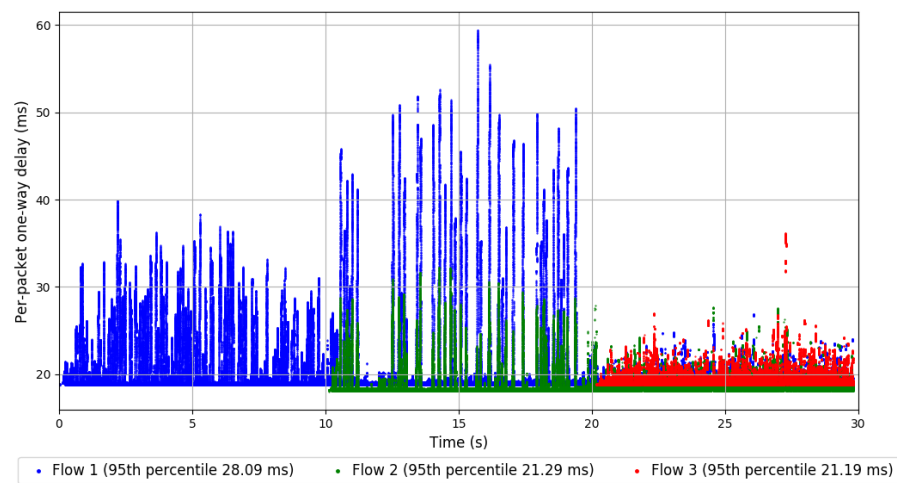
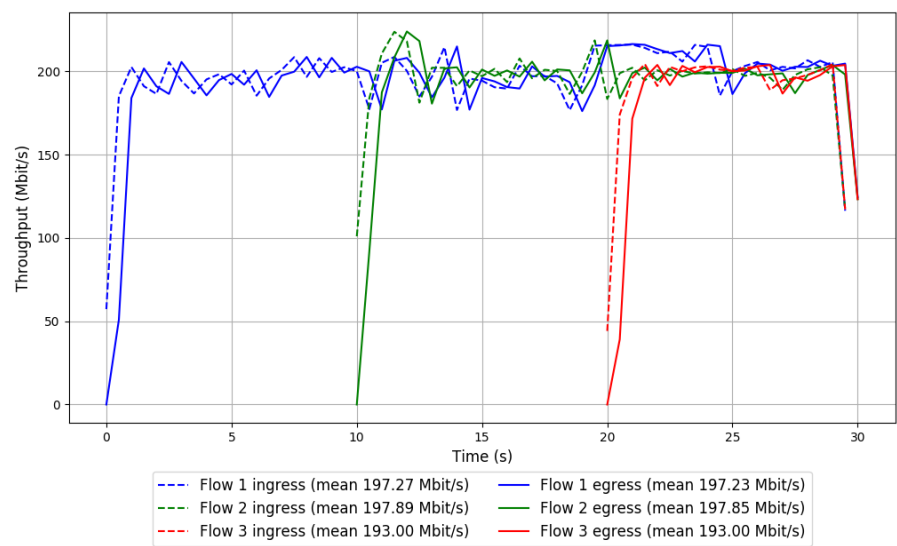
-- Flow 3:

Average throughput: 193.00 Mbit/s

95th percentile per-packet one-way delay: 21.192 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-29 21:29:19

End at: 2018-06-29 21:29:49

Local clock offset: 3.531 ms

Remote clock offset: -2.45 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 397.12 Mbit/s

95th percentile per-packet one-way delay: 19.980 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 201.84 Mbit/s

95th percentile per-packet one-way delay: 20.247 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.86 Mbit/s

95th percentile per-packet one-way delay: 19.628 ms

Loss rate: 0.01%

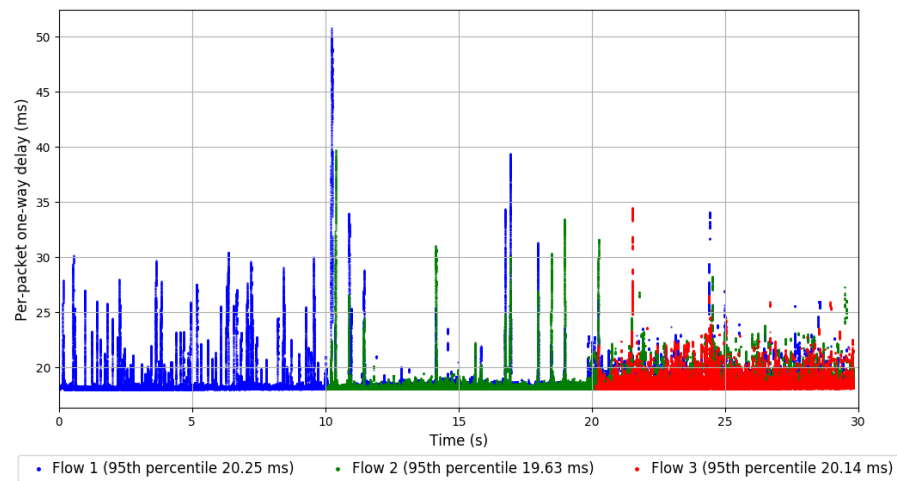
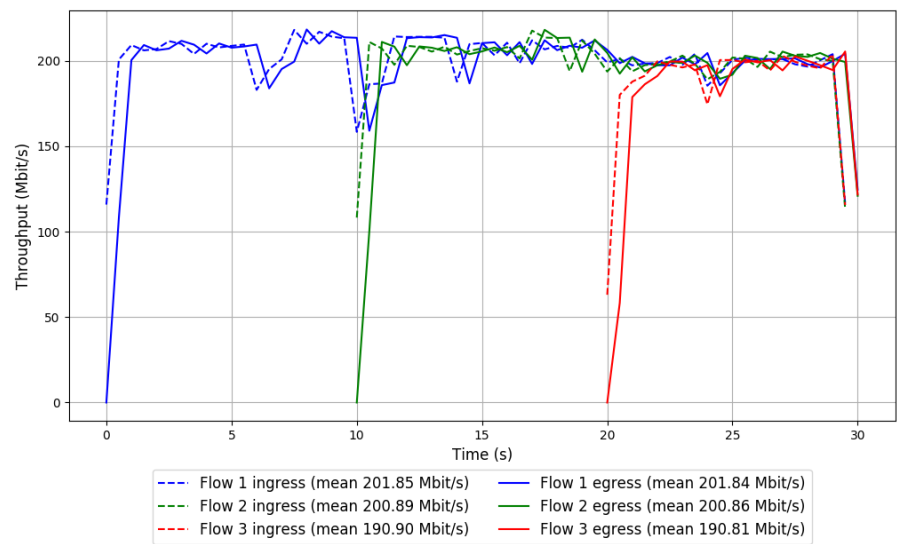
-- Flow 3:

Average throughput: 190.81 Mbit/s

95th percentile per-packet one-way delay: 20.141 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



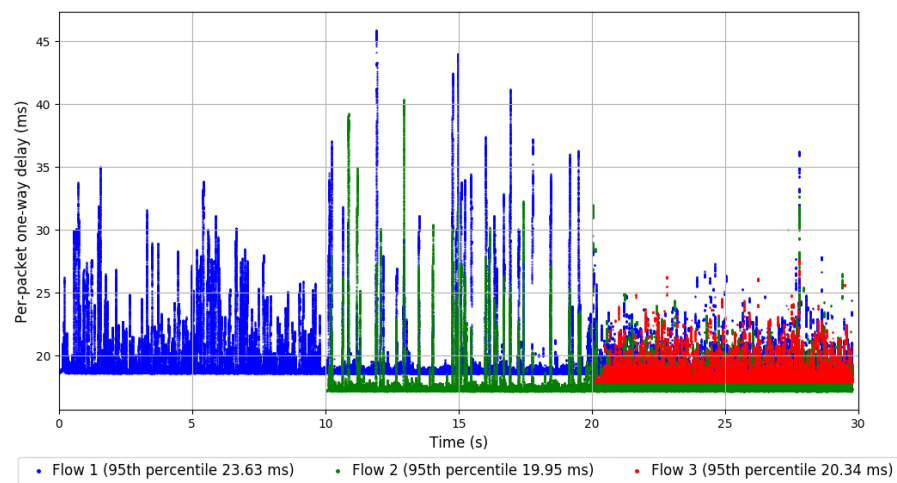
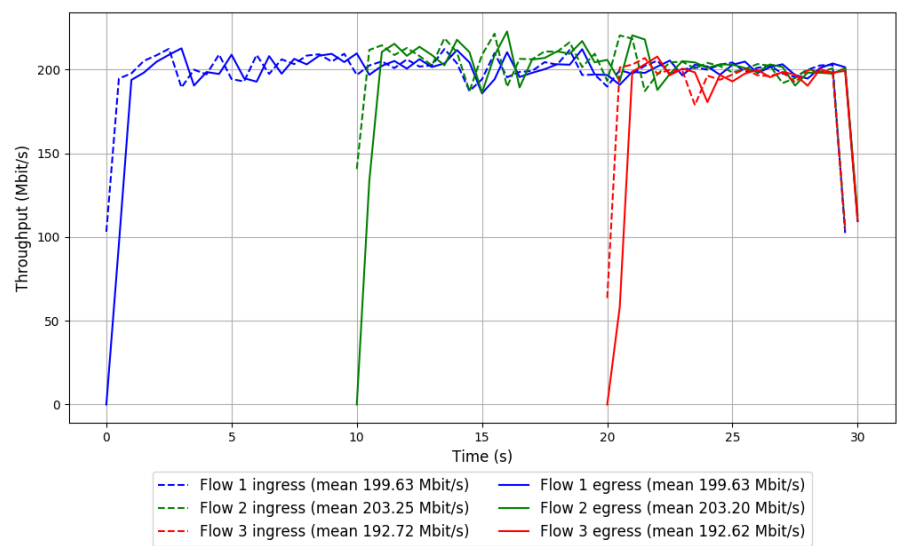
Run 3: Statistics of Indigo

Start at: 2018-06-29 21:56:12  
End at: 2018-06-29 21:56:42  
Local clock offset: 0.982 ms  
Remote clock offset: -5.552 ms

# Below is generated by plot.py at 2018-06-30 02:37:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 396.89 Mbit/s  
95th percentile per-packet one-way delay: 21.790 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 199.63 Mbit/s  
95th percentile per-packet one-way delay: 23.633 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 203.20 Mbit/s  
95th percentile per-packet one-way delay: 19.946 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 192.62 Mbit/s  
95th percentile per-packet one-way delay: 20.337 ms  
Loss rate: 0.04%



Run 3: Report of Indigo — Data Link

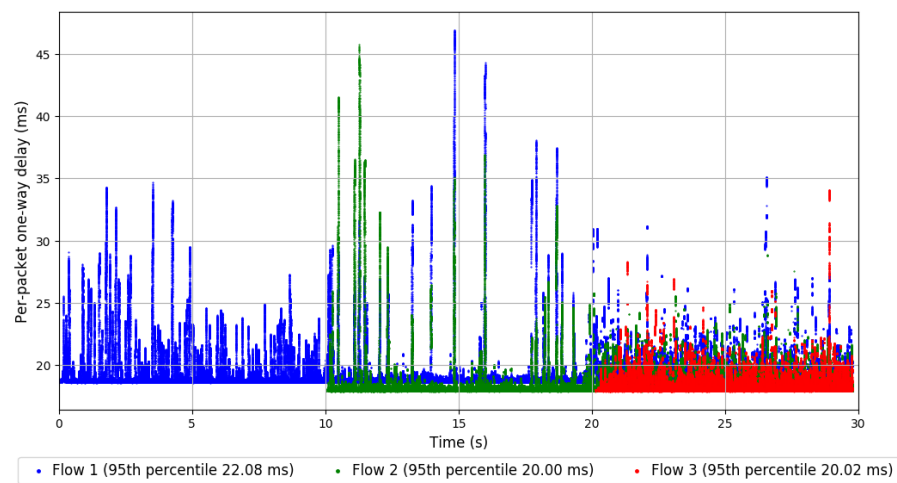
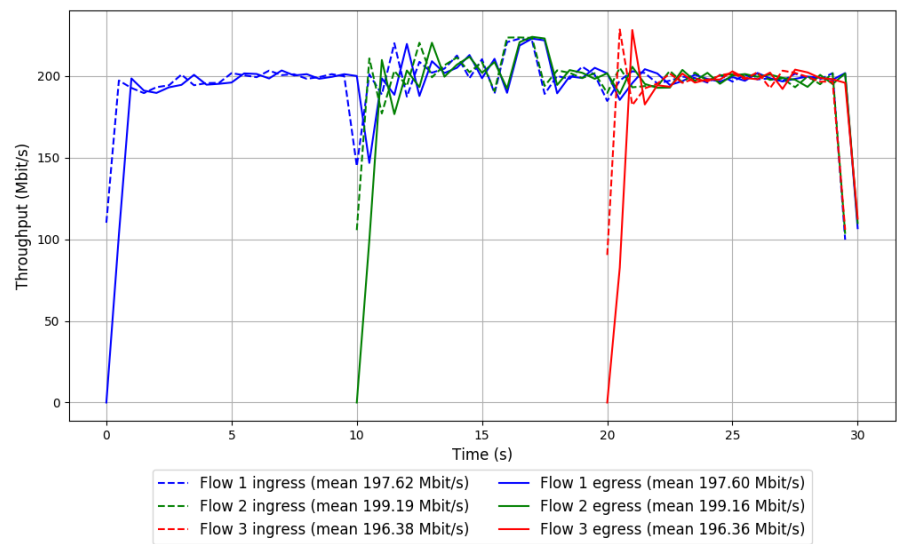


Run 4: Statistics of Indigo

Start at: 2018-06-29 22:23:00  
End at: 2018-06-29 22:23:30  
Local clock offset: -0.006 ms  
Remote clock offset: -7.308 ms

```
# Below is generated by plot.py at 2018-06-30 02:37:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.24 Mbit/s
95th percentile per-packet one-way delay: 21.039 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 199.16 Mbit/s
95th percentile per-packet one-way delay: 20.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.36 Mbit/s
95th percentile per-packet one-way delay: 20.017 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 22:49:50

End at: 2018-06-29 22:50:20

Local clock offset: 1.271 ms

Remote clock offset: 5.231 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 300.08 Mbit/s

95th percentile per-packet one-way delay: 20.336 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.46 Mbit/s

95th percentile per-packet one-way delay: 20.194 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 197.90 Mbit/s

95th percentile per-packet one-way delay: 20.904 ms

Loss rate: 0.00%

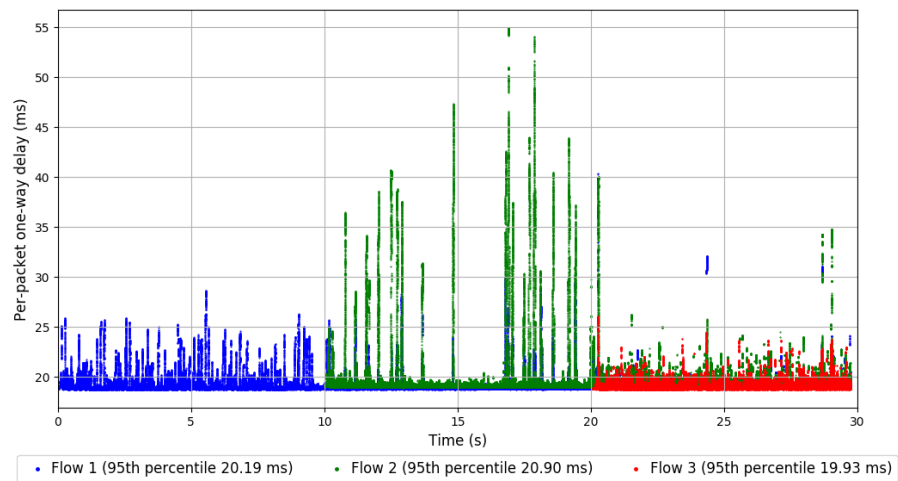
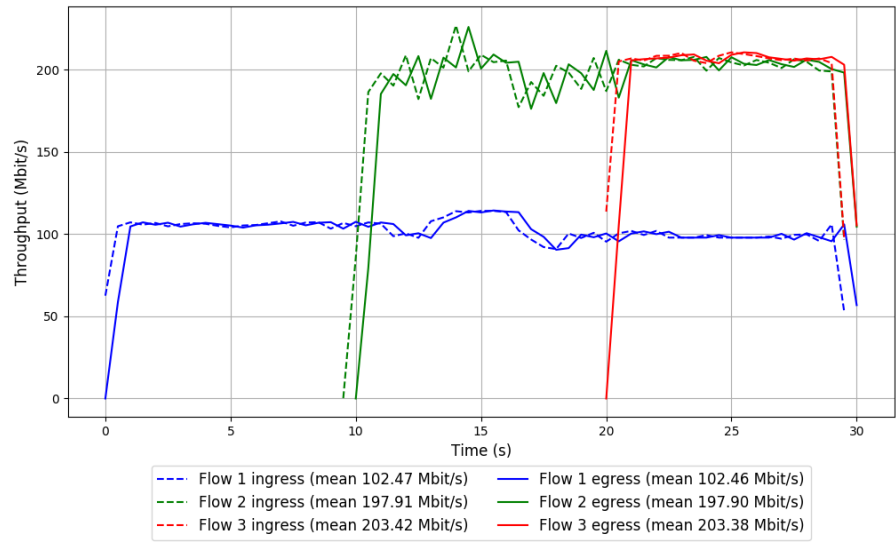
-- Flow 3:

Average throughput: 203.38 Mbit/s

95th percentile per-packet one-way delay: 19.935 ms

Loss rate: 0.01%

## Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 23:16:50

End at: 2018-06-29 23:17:20

Local clock offset: 3.556 ms

Remote clock offset: 9.101 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 398.02 Mbit/s

95th percentile per-packet one-way delay: 20.731 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 202.44 Mbit/s

95th percentile per-packet one-way delay: 21.350 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 200.85 Mbit/s

95th percentile per-packet one-way delay: 20.001 ms

Loss rate: 0.02%

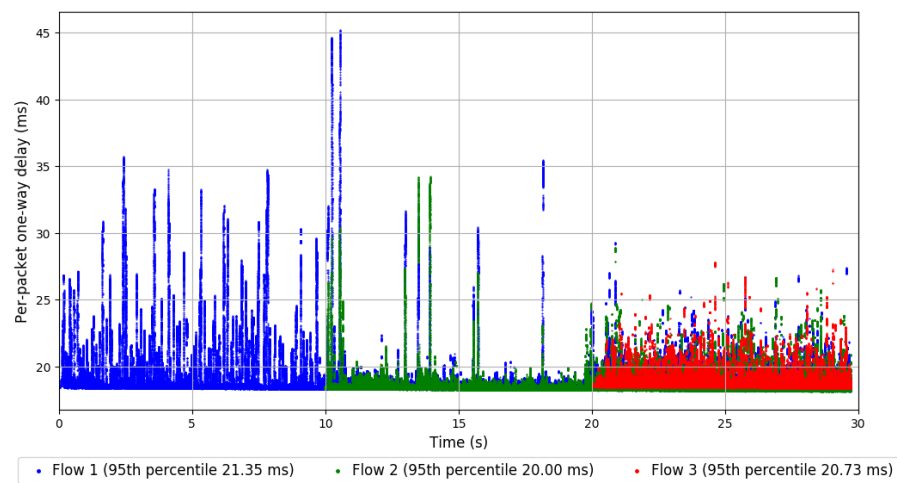
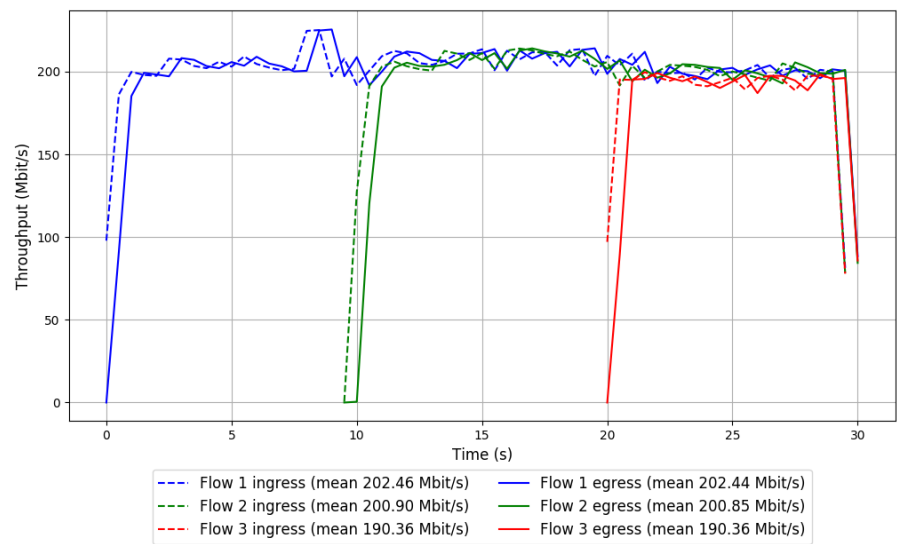
-- Flow 3:

Average throughput: 190.36 Mbit/s

95th percentile per-packet one-way delay: 20.733 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-29 23:43:42

End at: 2018-06-29 23:44:12

Local clock offset: -0.634 ms

Remote clock offset: 2.161 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 399.42 Mbit/s

95th percentile per-packet one-way delay: 21.388 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 202.61 Mbit/s

95th percentile per-packet one-way delay: 21.688 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 201.20 Mbit/s

95th percentile per-packet one-way delay: 20.860 ms

Loss rate: 0.01%

-- Flow 3:

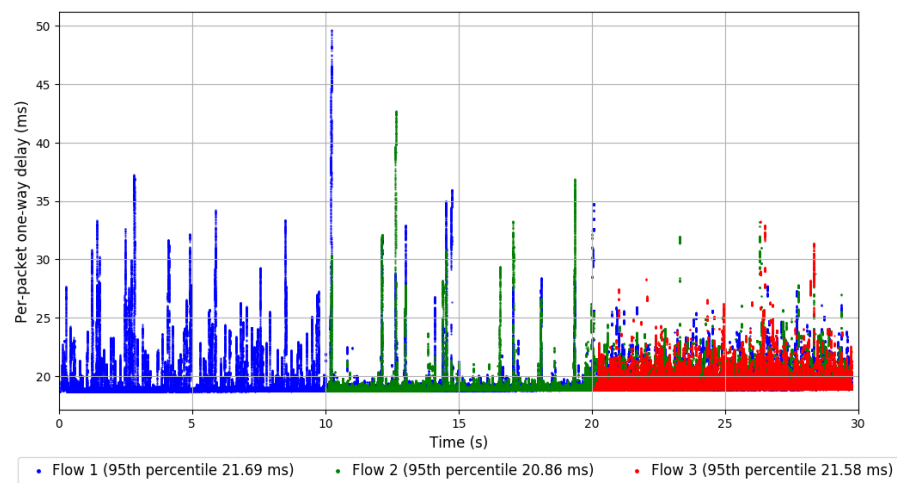
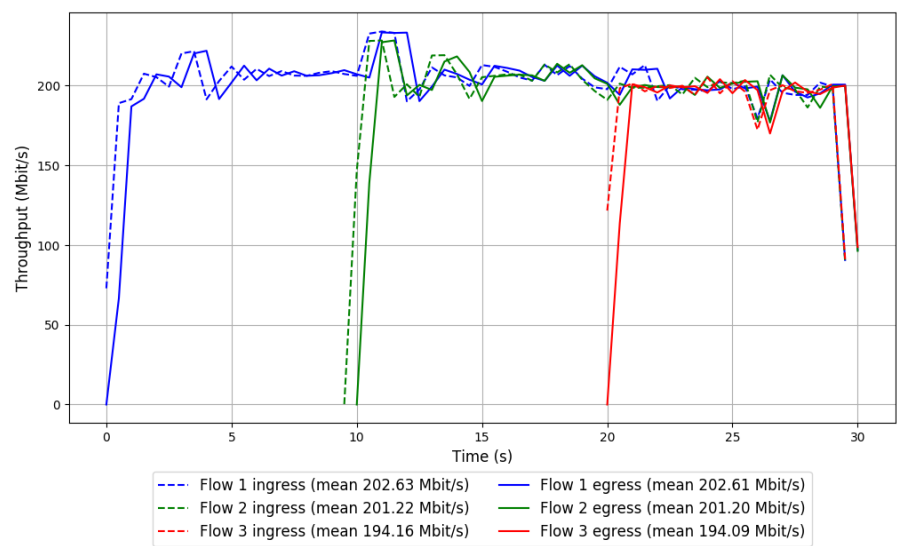
Average throughput: 194.09 Mbit/s

95th percentile per-packet one-way delay: 21.580 ms

Loss rate: 0.02%



Run 7: Report of Indigo — Data Link

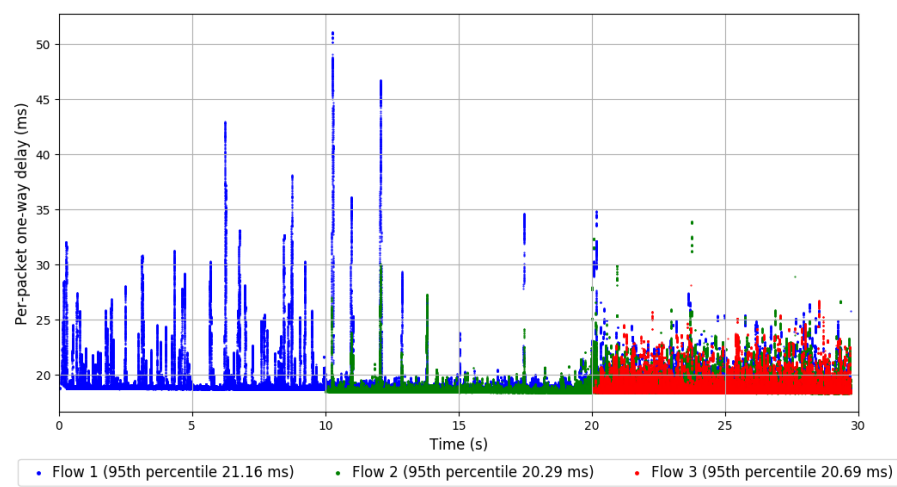
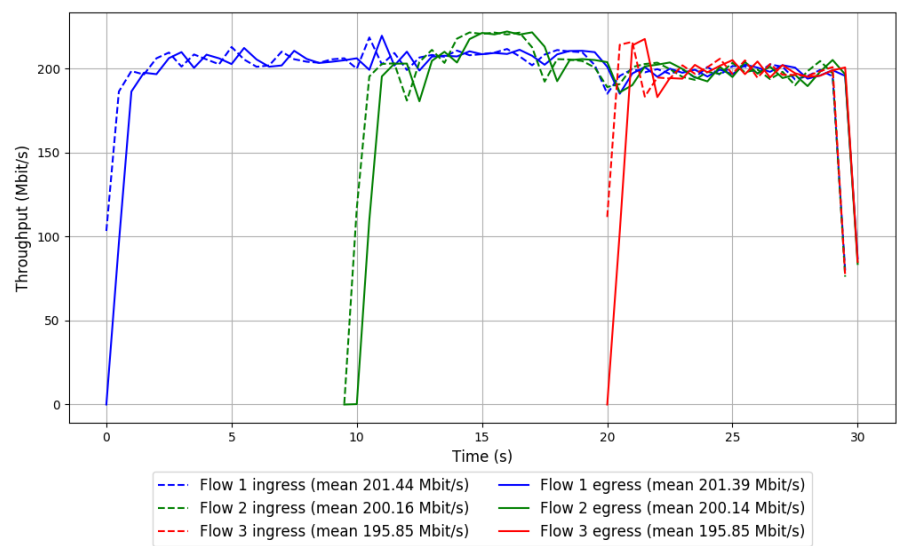


Run 8: Statistics of Indigo

Start at: 2018-06-30 00:10:45  
End at: 2018-06-30 00:11:15  
Local clock offset: -0.139 ms  
Remote clock offset: -0.533 ms

# Below is generated by plot.py at 2018-06-30 02:37:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 398.00 Mbit/s  
95th percentile per-packet one-way delay: 20.733 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 201.39 Mbit/s  
95th percentile per-packet one-way delay: 21.161 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 200.14 Mbit/s  
95th percentile per-packet one-way delay: 20.289 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 195.85 Mbit/s  
95th percentile per-packet one-way delay: 20.690 ms  
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 00:37:39

End at: 2018-06-30 00:38:09

Local clock offset: -0.252 ms

Remote clock offset: 3.822 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 398.21 Mbit/s

95th percentile per-packet one-way delay: 21.146 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 202.47 Mbit/s

95th percentile per-packet one-way delay: 21.801 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 199.87 Mbit/s

95th percentile per-packet one-way delay: 20.590 ms

Loss rate: 0.00%

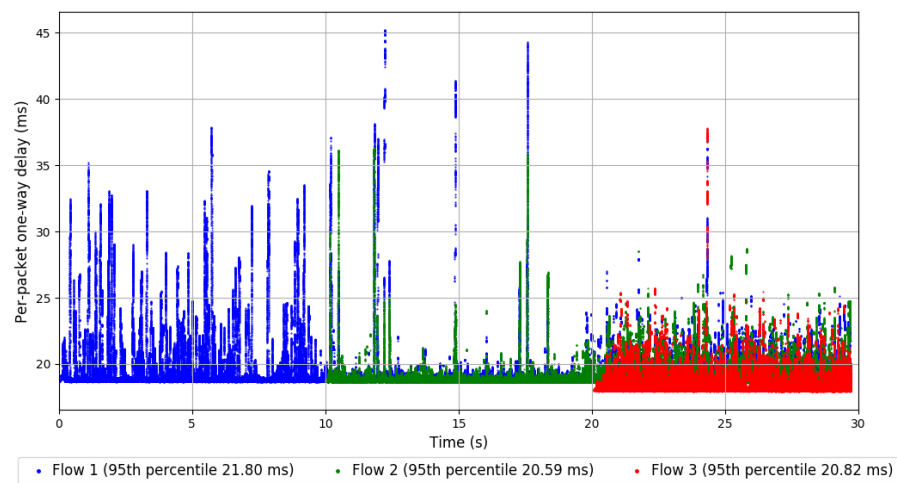
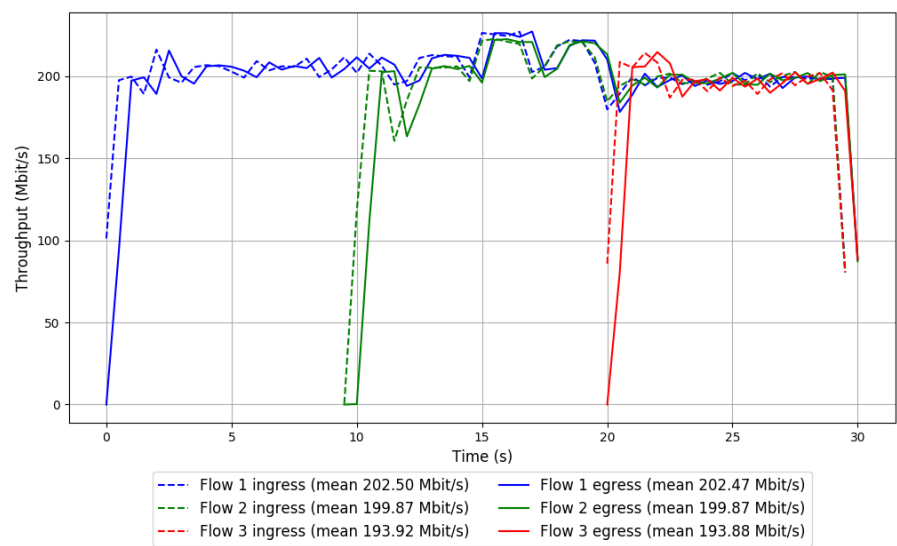
-- Flow 3:

Average throughput: 193.88 Mbit/s

95th percentile per-packet one-way delay: 20.821 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 01:04:28

End at: 2018-06-30 01:04:58

Local clock offset: 3.517 ms

Remote clock offset: 3.215 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 390.22 Mbit/s

95th percentile per-packet one-way delay: 21.241 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 197.04 Mbit/s

95th percentile per-packet one-way delay: 22.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.18 Mbit/s

95th percentile per-packet one-way delay: 21.091 ms

Loss rate: 0.02%

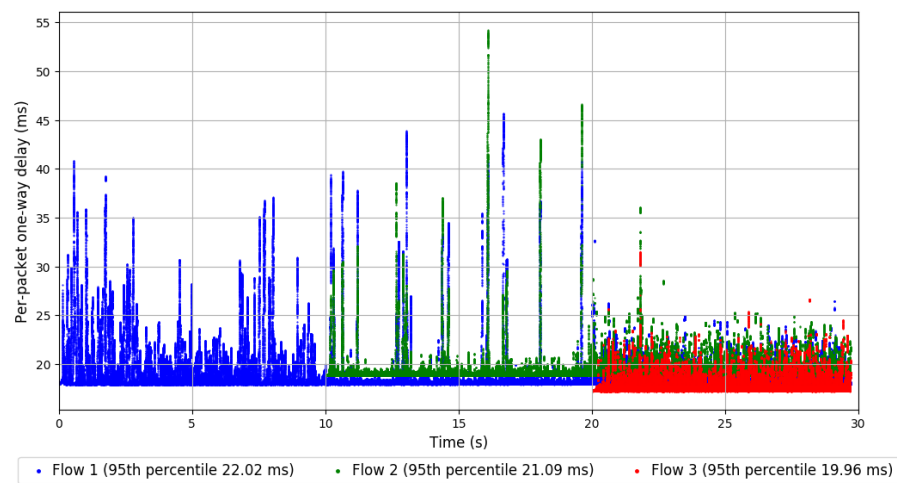
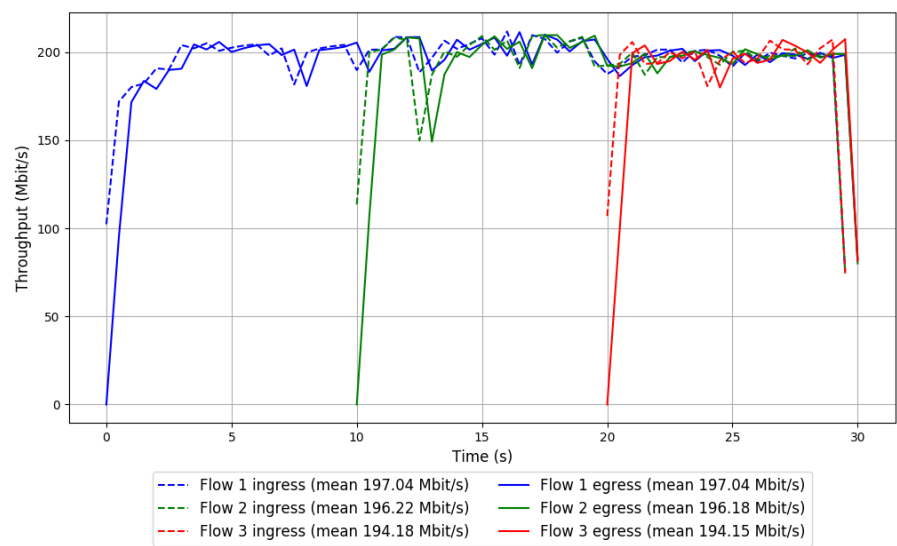
-- Flow 3:

Average throughput: 194.15 Mbit/s

95th percentile per-packet one-way delay: 19.959 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-06-29 21:01:02

End at: 2018-06-29 21:01:32

Local clock offset: 3.078 ms

Remote clock offset: 3.171 ms

# Below is generated by plot.py at 2018-06-30 02:37:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 363.45 Mbit/s

95th percentile per-packet one-way delay: 19.656 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 188.47 Mbit/s

95th percentile per-packet one-way delay: 19.597 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 198.62 Mbit/s

95th percentile per-packet one-way delay: 19.343 ms

Loss rate: 0.04%

-- Flow 3:

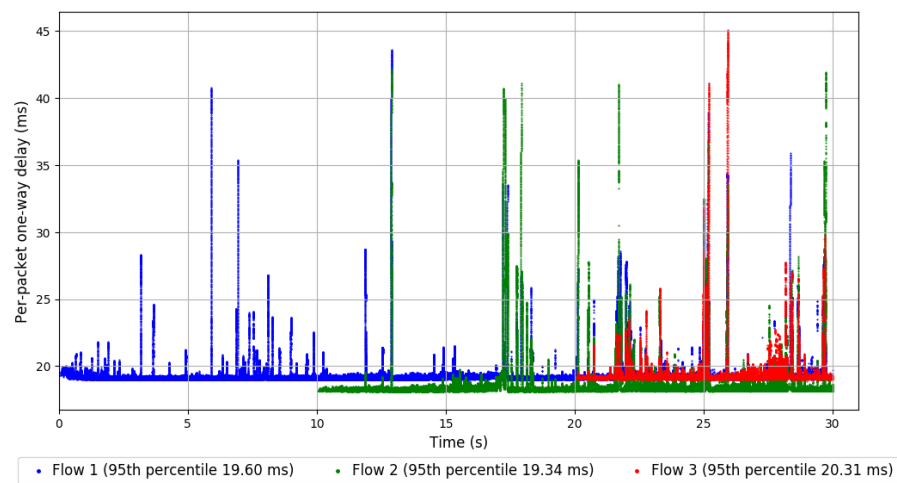
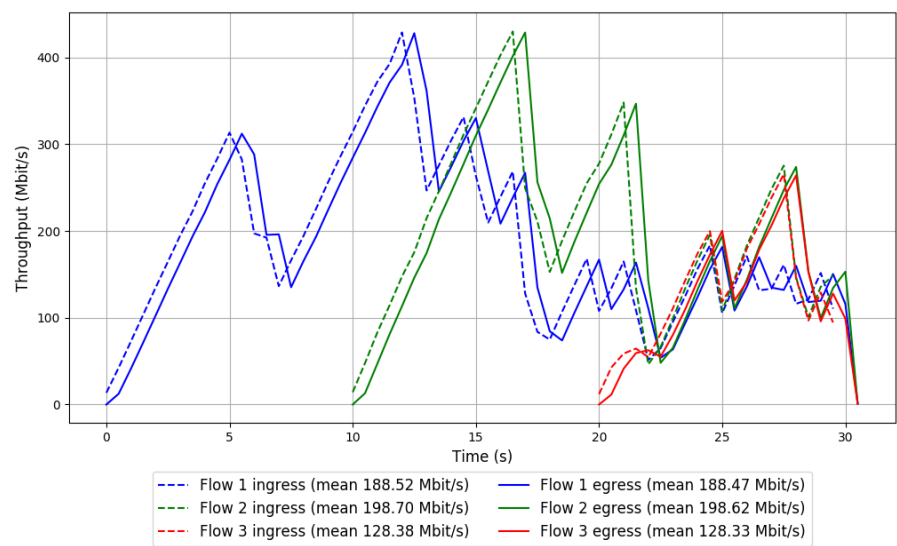
Average throughput: 128.33 Mbit/s

95th percentile per-packet one-way delay: 20.308 ms

Loss rate: 0.04%



Run 1: Report of LEDBAT — Data Link

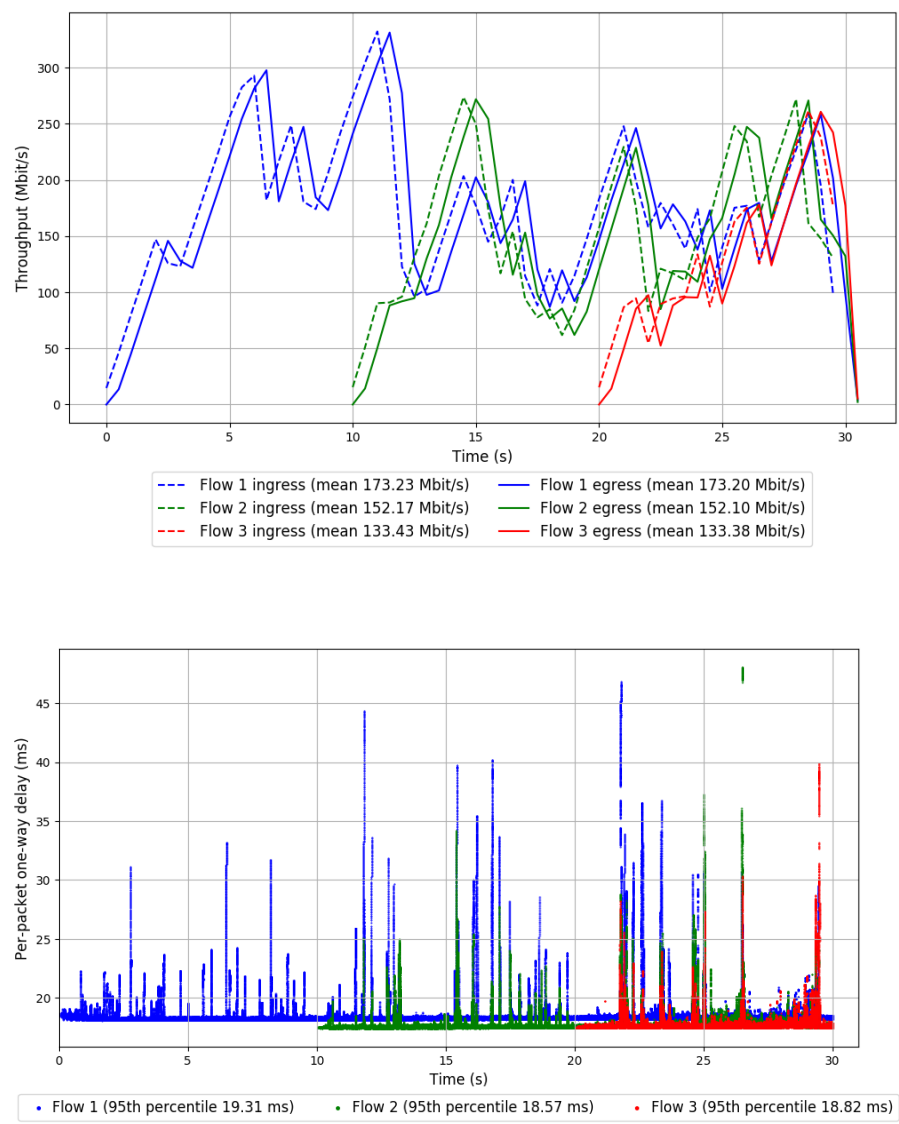


Run 2: Statistics of LEDBAT

Start at: 2018-06-29 21:27:47  
End at: 2018-06-29 21:28:17  
Local clock offset: 3.44 ms  
Remote clock offset: -2.054 ms

# Below is generated by plot.py at 2018-06-30 02:38:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 318.88 Mbit/s  
95th percentile per-packet one-way delay: 19.031 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 173.20 Mbit/s  
95th percentile per-packet one-way delay: 19.313 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 152.10 Mbit/s  
95th percentile per-packet one-way delay: 18.573 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 133.38 Mbit/s  
95th percentile per-packet one-way delay: 18.816 ms  
Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

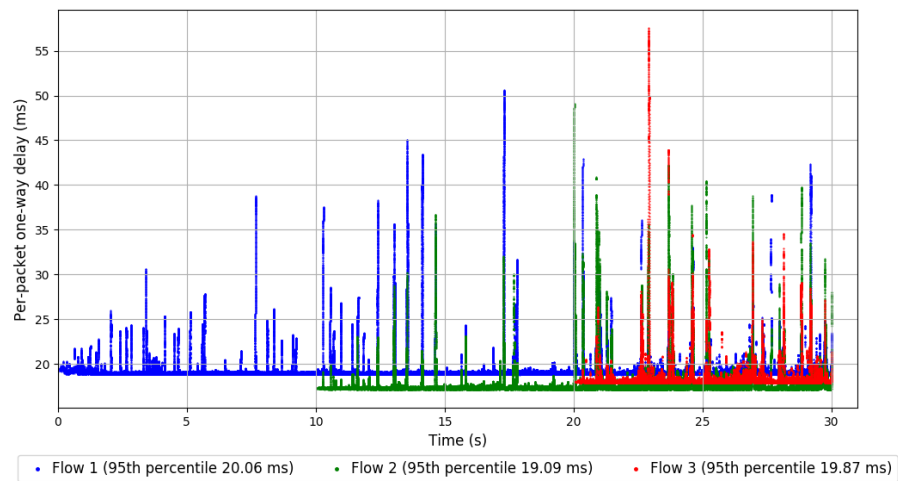
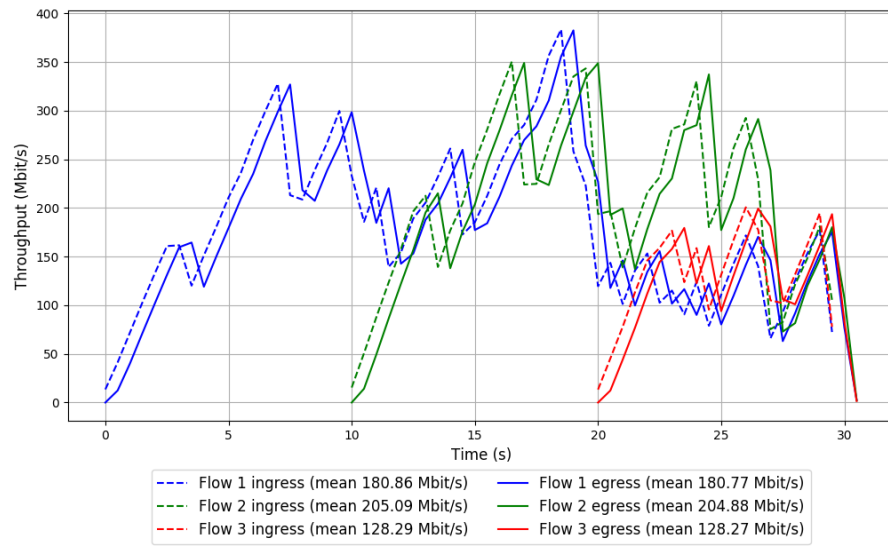


Run 3: Statistics of LEDBAT

Start at: 2018-06-29 21:54:38  
End at: 2018-06-29 21:55:08  
Local clock offset: 1.234 ms  
Remote clock offset: -5.396 ms

# Below is generated by plot.py at 2018-06-30 02:39:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 359.91 Mbit/s  
95th percentile per-packet one-way delay: 19.783 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 180.77 Mbit/s  
95th percentile per-packet one-way delay: 20.056 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 204.88 Mbit/s  
95th percentile per-packet one-way delay: 19.092 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 128.27 Mbit/s  
95th percentile per-packet one-way delay: 19.870 ms  
Loss rate: 0.06%

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

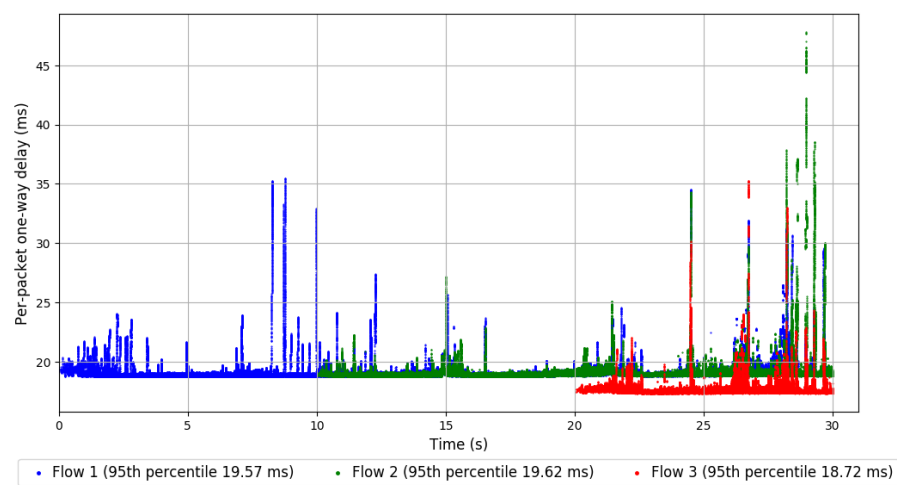
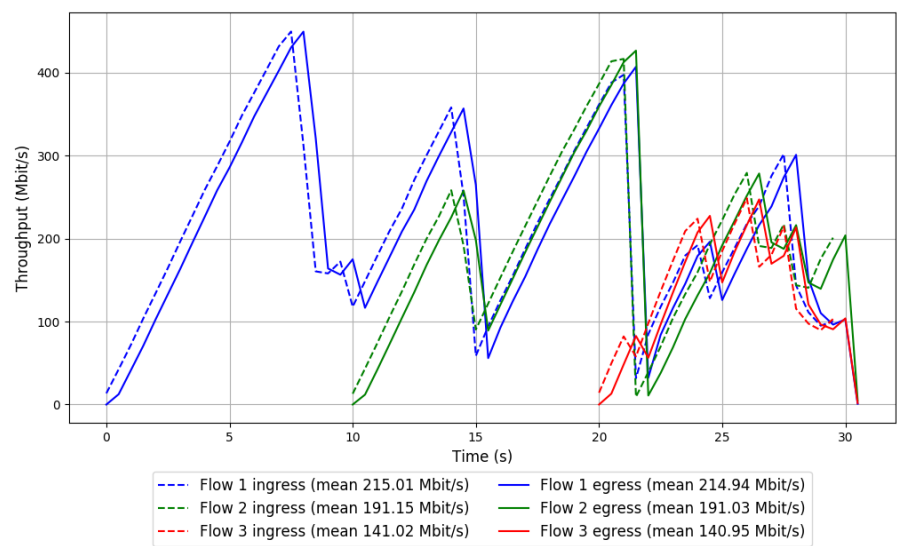


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 22:21:25  
End at: 2018-06-29 22:21:55  
Local clock offset: -0.142 ms  
Remote clock offset: -7.175 ms

# Below is generated by plot.py at 2018-06-30 02:40:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 389.04 Mbit/s  
95th percentile per-packet one-way delay: 19.552 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 214.94 Mbit/s  
95th percentile per-packet one-way delay: 19.569 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 191.03 Mbit/s  
95th percentile per-packet one-way delay: 19.621 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 140.95 Mbit/s  
95th percentile per-packet one-way delay: 18.716 ms  
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 22:48:15

End at: 2018-06-29 22:48:45

Local clock offset: 0.789 ms

Remote clock offset: 4.936 ms

# Below is generated by plot.py at 2018-06-30 02:40:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 402.03 Mbit/s

95th percentile per-packet one-way delay: 19.833 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 237.33 Mbit/s

95th percentile per-packet one-way delay: 19.961 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 187.25 Mbit/s

95th percentile per-packet one-way delay: 19.714 ms

Loss rate: 0.05%

-- Flow 3:

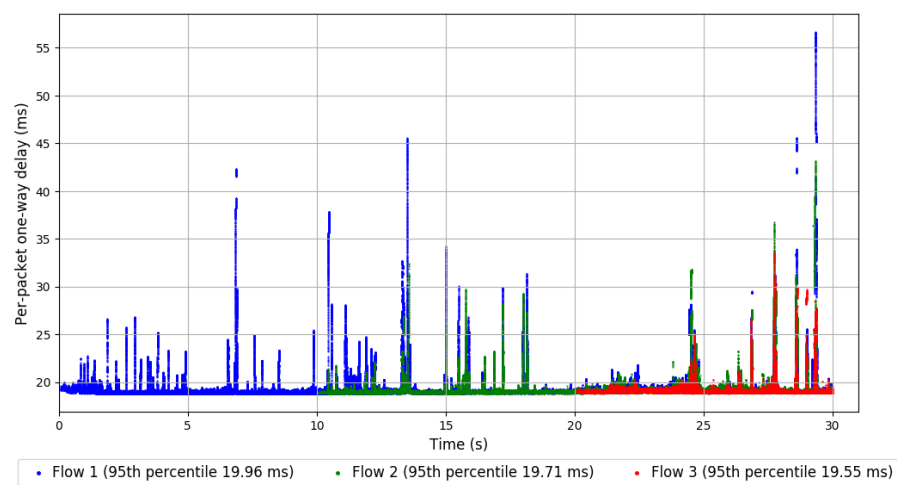
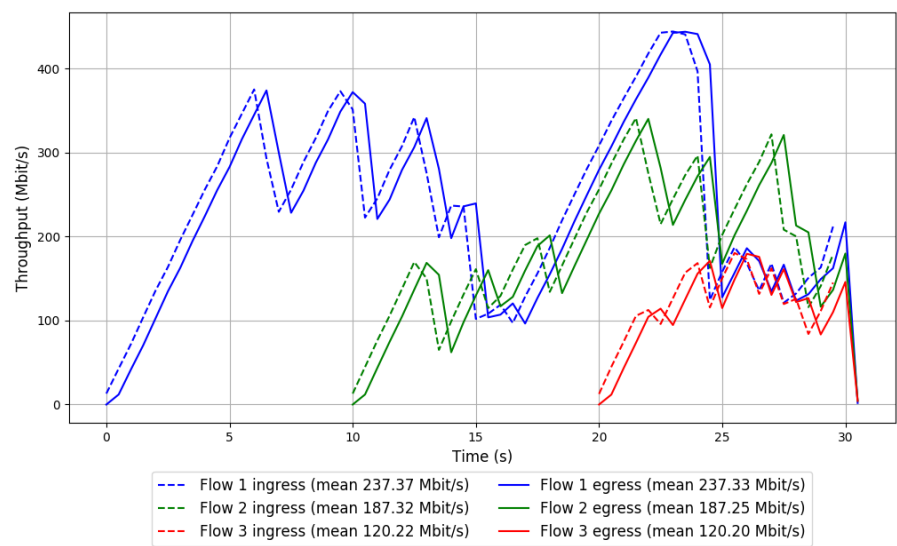
Average throughput: 120.20 Mbit/s

95th percentile per-packet one-way delay: 19.555 ms

Loss rate: 0.02%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-29 23:15:10

End at: 2018-06-29 23:15:40

Local clock offset: 4.049 ms

Remote clock offset: 8.799 ms

# Below is generated by plot.py at 2018-06-30 02:42:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 495.30 Mbit/s

95th percentile per-packet one-way delay: 19.299 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 304.20 Mbit/s

95th percentile per-packet one-way delay: 19.106 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 202.31 Mbit/s

95th percentile per-packet one-way delay: 19.501 ms

Loss rate: 0.02%

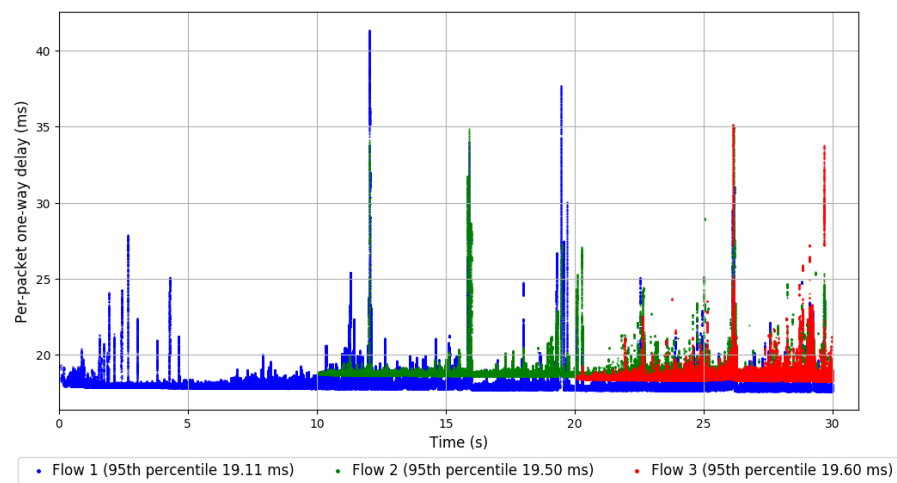
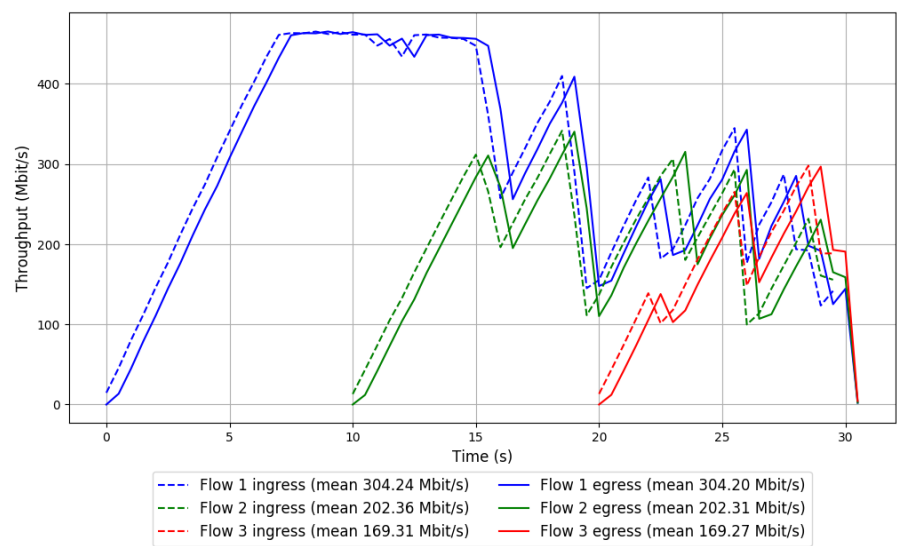
-- Flow 3:

Average throughput: 169.27 Mbit/s

95th percentile per-packet one-way delay: 19.596 ms

Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-29 23:42:05

End at: 2018-06-29 23:42:35

Local clock offset: -0.465 ms

Remote clock offset: 3.031 ms

# Below is generated by plot.py at 2018-06-30 02:42:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 439.09 Mbit/s

95th percentile per-packet one-way delay: 20.117 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 244.64 Mbit/s

95th percentile per-packet one-way delay: 20.187 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 20.049 ms

Loss rate: 0.02%

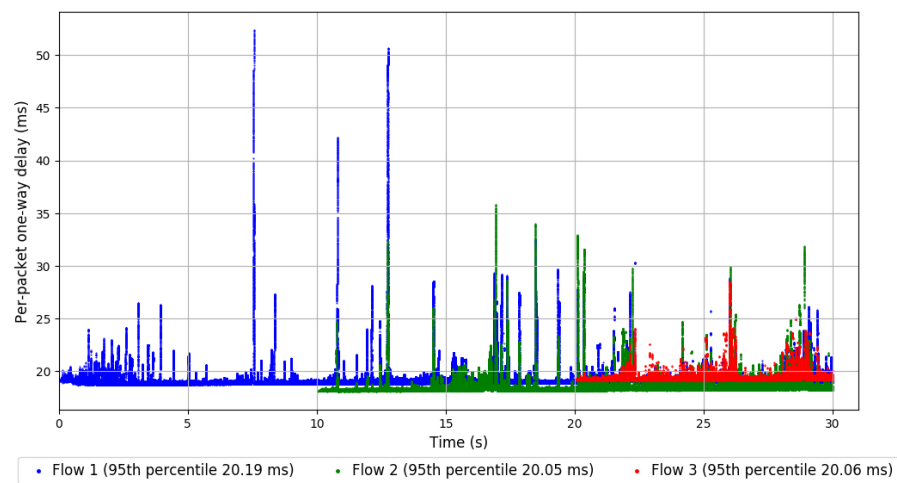
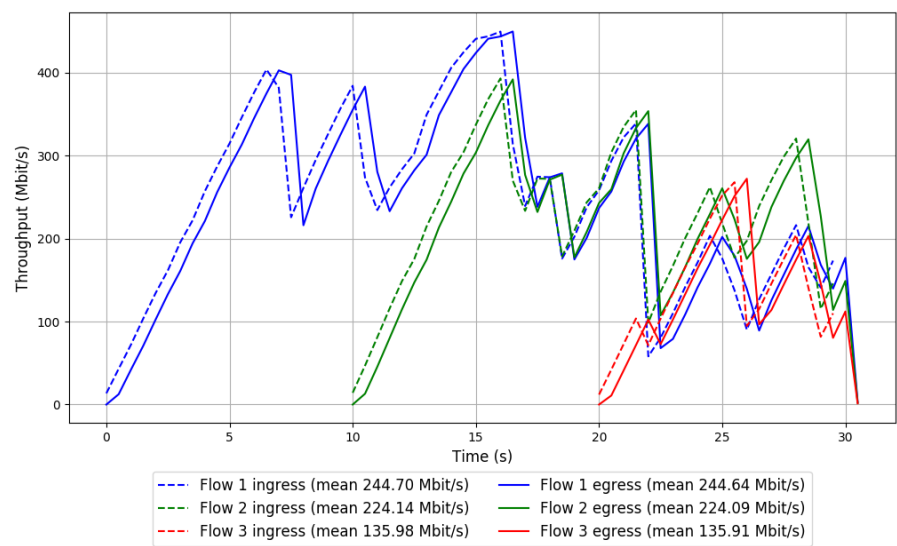
-- Flow 3:

Average throughput: 135.91 Mbit/s

95th percentile per-packet one-way delay: 20.056 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

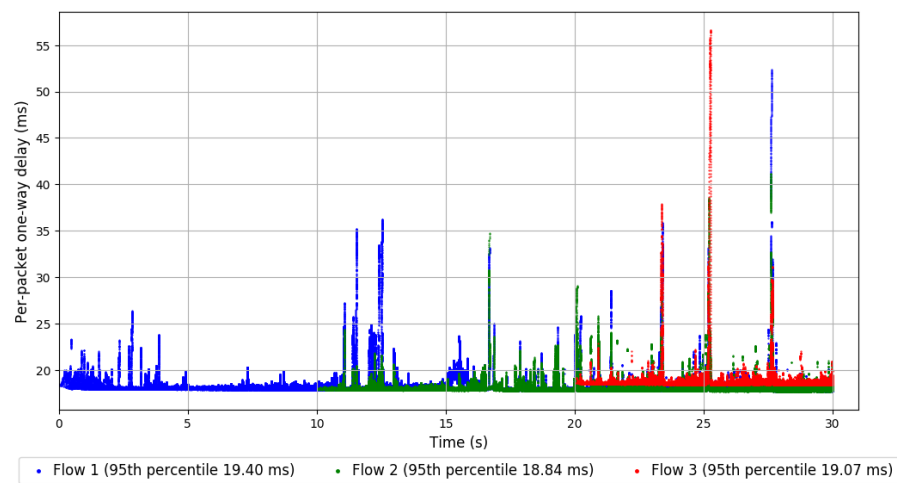
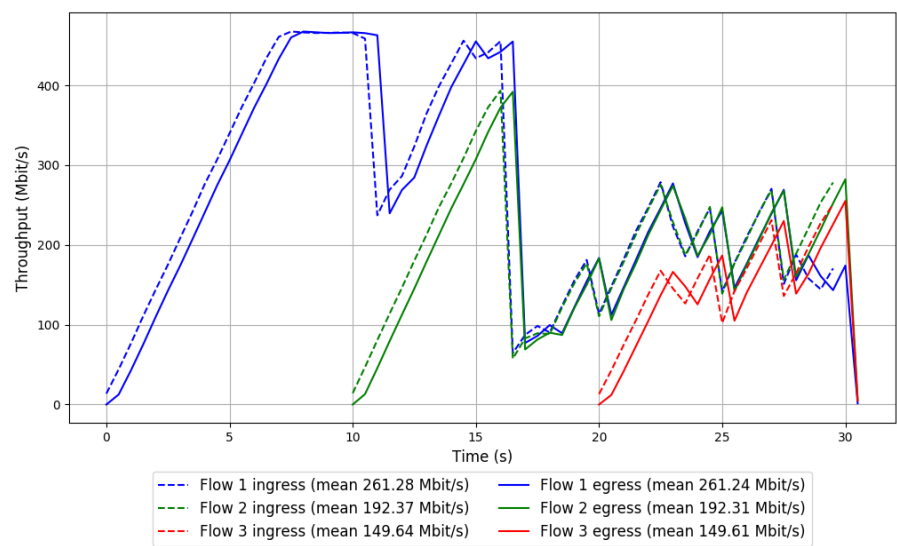


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 00:09:08  
End at: 2018-06-30 00:09:38  
Local clock offset: -0.182 ms  
Remote clock offset: -1.259 ms

# Below is generated by plot.py at 2018-06-30 02:43:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 439.06 Mbit/s  
95th percentile per-packet one-way delay: 19.211 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 261.24 Mbit/s  
95th percentile per-packet one-way delay: 19.397 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 192.31 Mbit/s  
95th percentile per-packet one-way delay: 18.836 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 149.61 Mbit/s  
95th percentile per-packet one-way delay: 19.073 ms  
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 00:36:02

End at: 2018-06-30 00:36:32

Local clock offset: -0.22 ms

Remote clock offset: 3.698 ms

# Below is generated by plot.py at 2018-06-30 02:43:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 436.38 Mbit/s

95th percentile per-packet one-way delay: 19.645 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 242.88 Mbit/s

95th percentile per-packet one-way delay: 19.702 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 220.66 Mbit/s

95th percentile per-packet one-way delay: 19.466 ms

Loss rate: 0.03%

-- Flow 3:

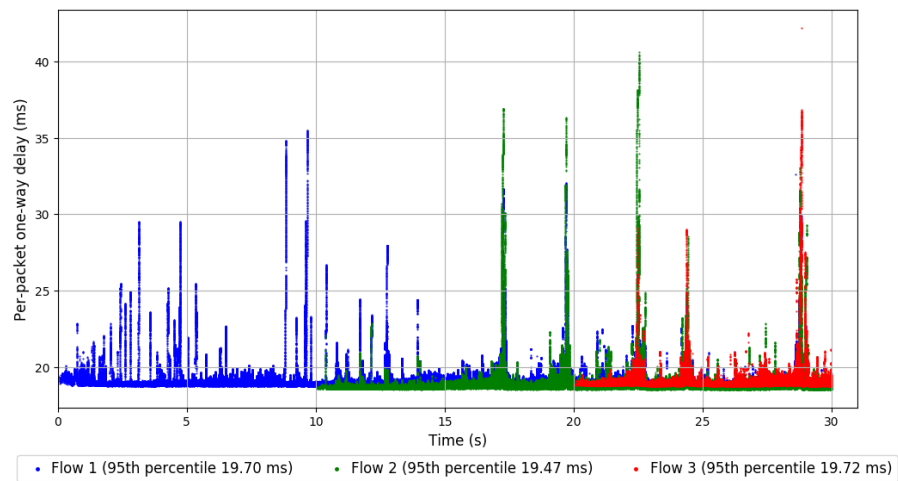
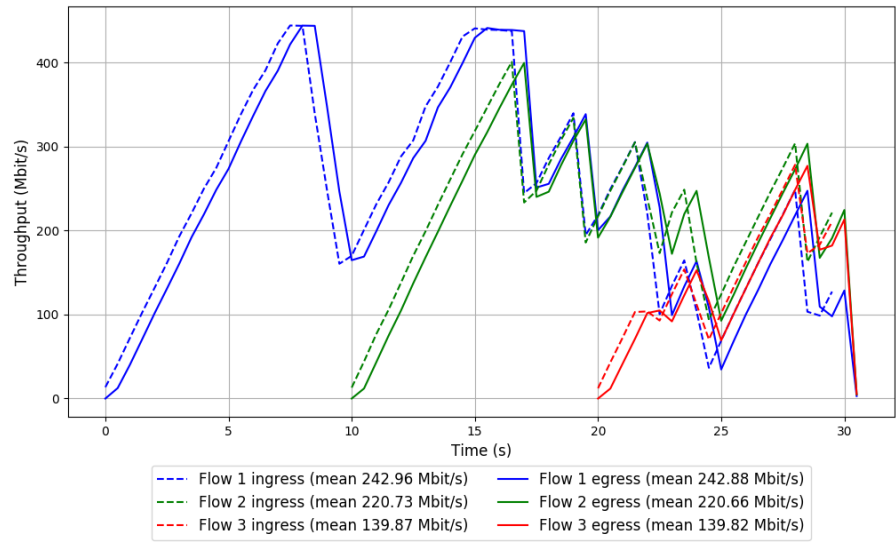
Average throughput: 139.82 Mbit/s

95th percentile per-packet one-way delay: 19.717 ms

Loss rate: 0.04%



# Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-30 01:02:52

End at: 2018-06-30 01:03:22

Local clock offset: 3.382 ms

Remote clock offset: 3.242 ms

# Below is generated by plot.py at 2018-06-30 02:44:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 444.95 Mbit/s

95th percentile per-packet one-way delay: 19.873 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 264.97 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 193.79 Mbit/s

95th percentile per-packet one-way delay: 20.105 ms

Loss rate: 0.04%

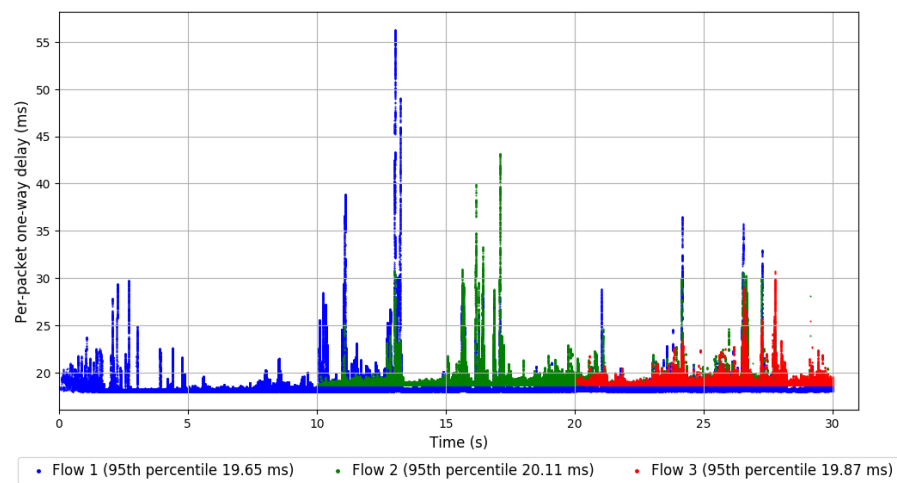
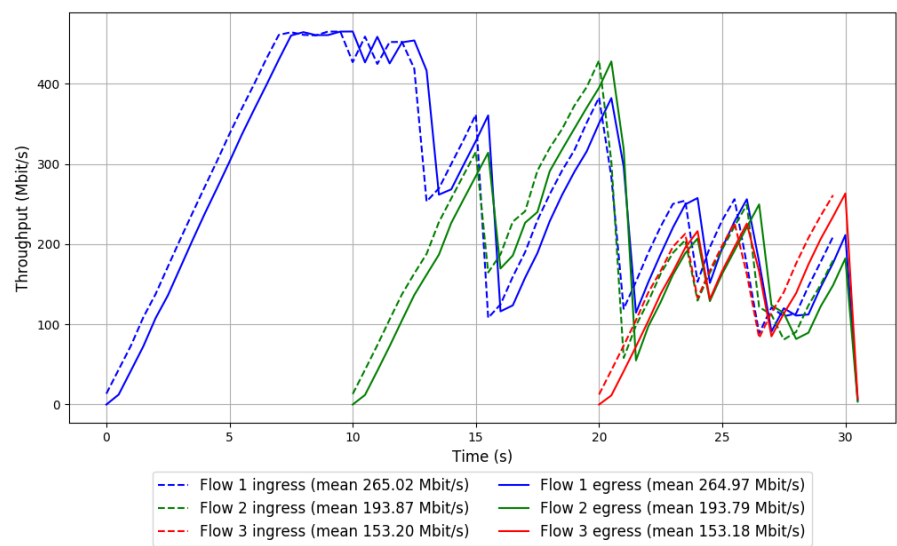
-- Flow 3:

Average throughput: 153.18 Mbit/s

95th percentile per-packet one-way delay: 19.874 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

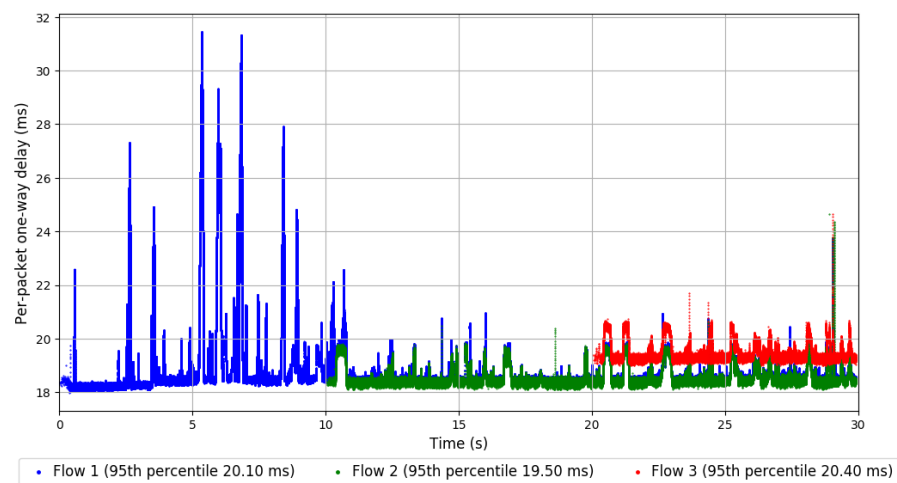
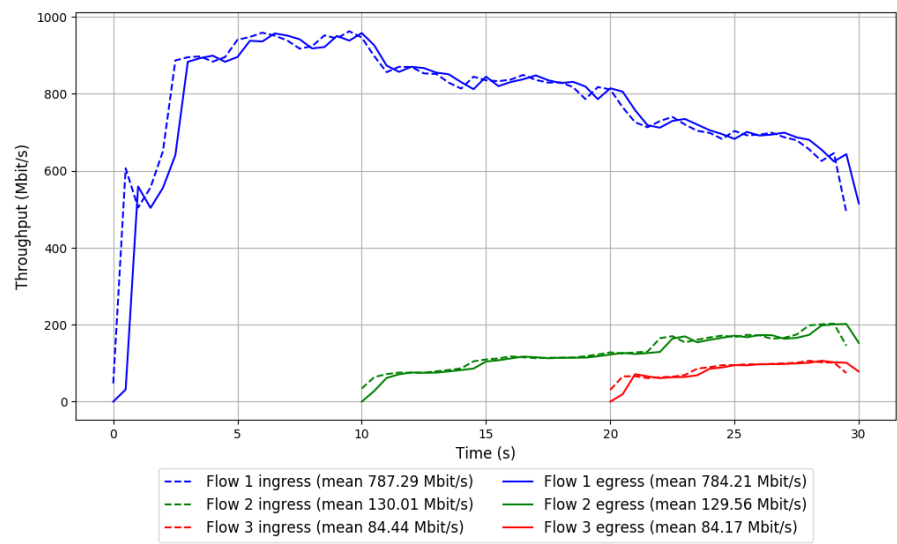


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 21:08:56
End at: 2018-06-29 21:09:26
Local clock offset: 3.702 ms
Remote clock offset: 3.336 ms

# Below is generated by plot.py at 2018-06-30 02:51:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 898.12 Mbit/s
95th percentile per-packet one-way delay: 19.981 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 784.21 Mbit/s
95th percentile per-packet one-way delay: 20.101 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 129.56 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.32%
```

Run 1: Report of PCC-Allegro — Data Link

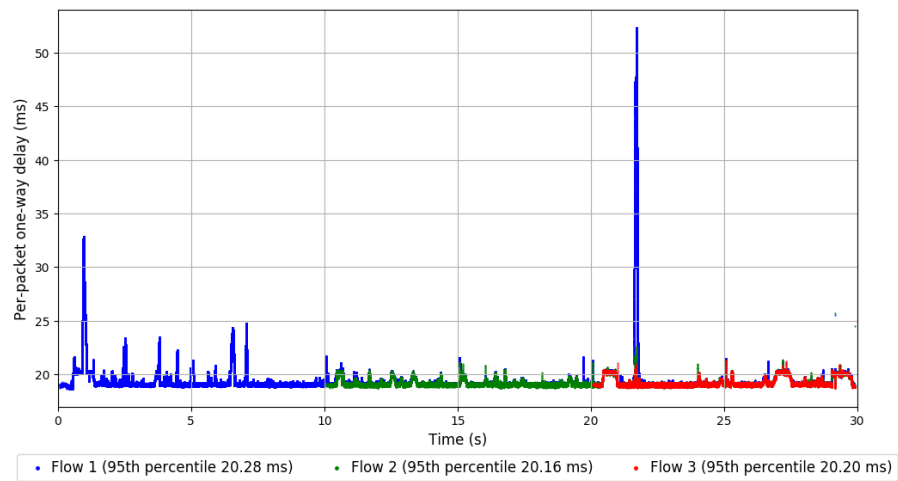
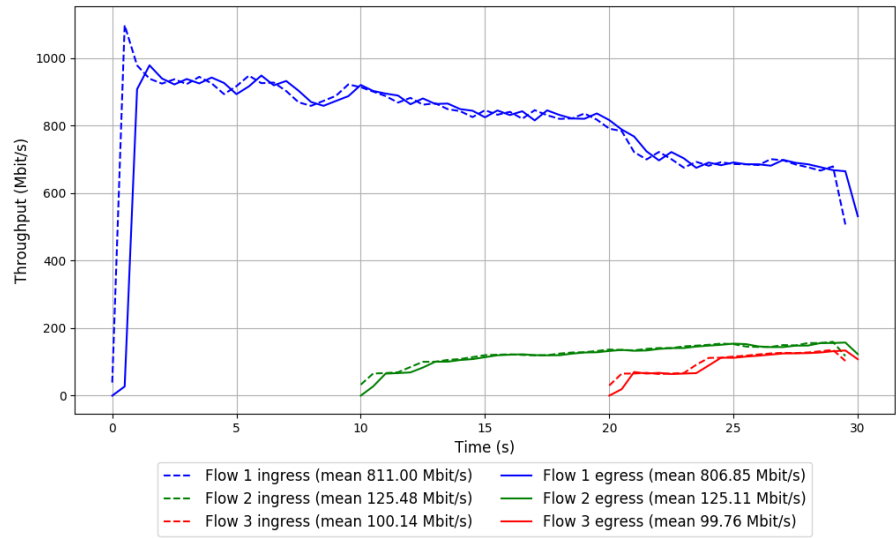


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 21:35:40  
End at: 2018-06-29 21:36:10  
Local clock offset: 3.478 ms  
Remote clock offset: -3.609 ms

# Below is generated by plot.py at 2018-06-30 02:51:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 922.77 Mbit/s  
95th percentile per-packet one-way delay: 20.265 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 806.85 Mbit/s  
95th percentile per-packet one-way delay: 20.277 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 125.11 Mbit/s  
95th percentile per-packet one-way delay: 20.155 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 99.76 Mbit/s  
95th percentile per-packet one-way delay: 20.198 ms  
Loss rate: 0.39%

## Run 2: Report of PCC-Allegro — Data Link



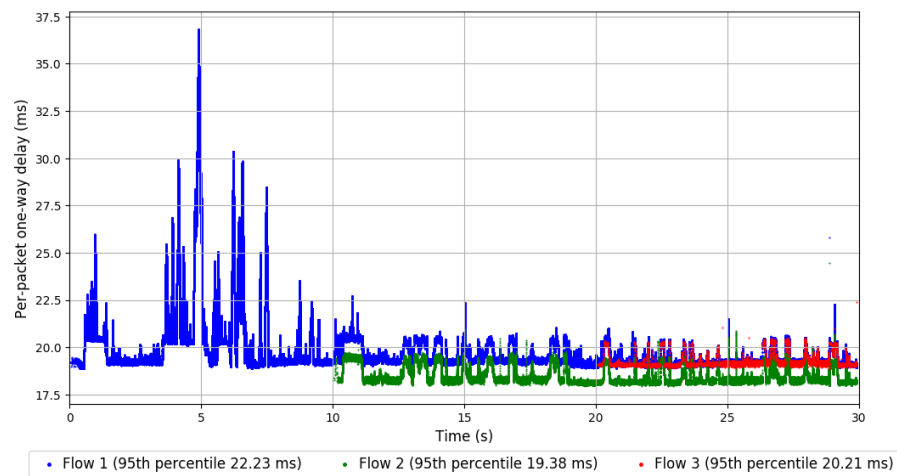
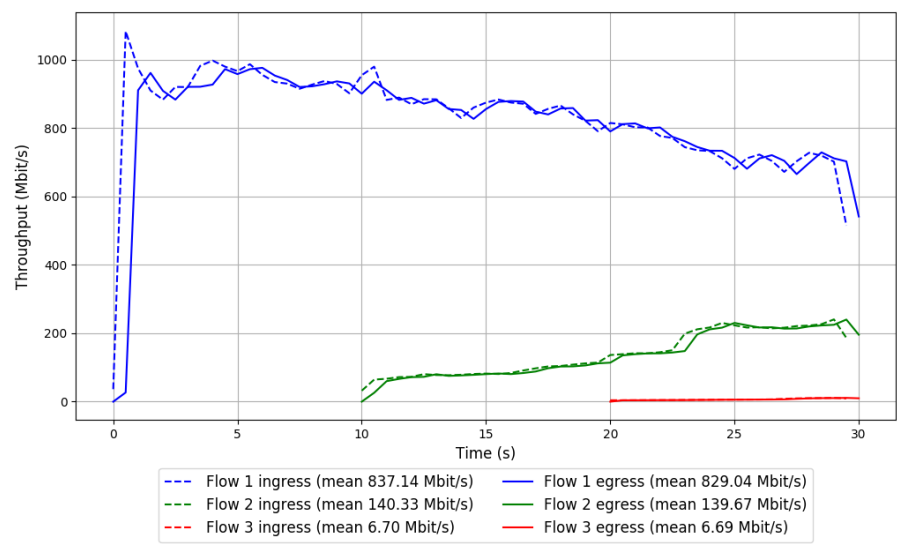
Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 22:02:27  
End at: 2018-06-29 22:02:57  
Local clock offset: 0.347 ms  
Remote clock offset: -5.976 ms

# Below is generated by plot.py at 2018-06-30 02:52:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 923.99 Mbit/s  
95th percentile per-packet one-way delay: 21.895 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 829.04 Mbit/s  
95th percentile per-packet one-way delay: 22.235 ms  
Loss rate: 0.97%  
-- Flow 2:  
Average throughput: 139.67 Mbit/s  
95th percentile per-packet one-way delay: 19.383 ms  
Loss rate: 0.47%  
-- Flow 3:  
Average throughput: 6.69 Mbit/s  
95th percentile per-packet one-way delay: 20.214 ms  
Loss rate: 0.24%



Run 3: Report of PCC-Allegro — Data Link

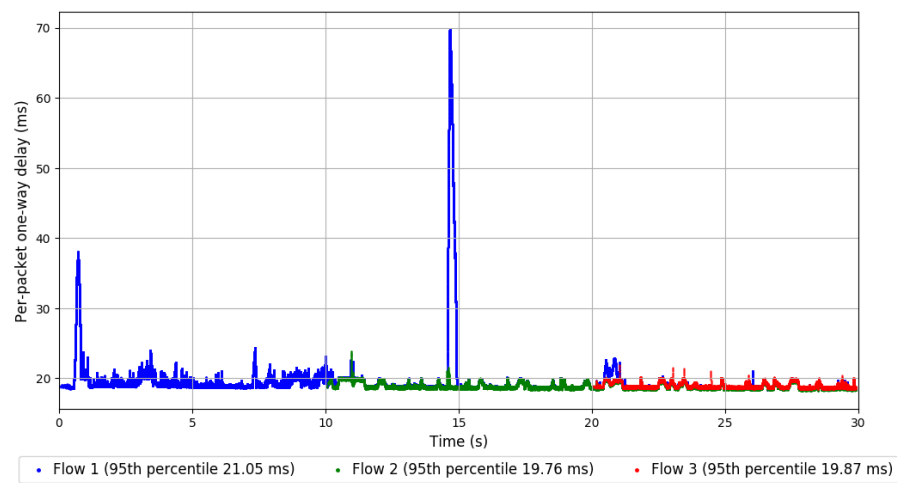
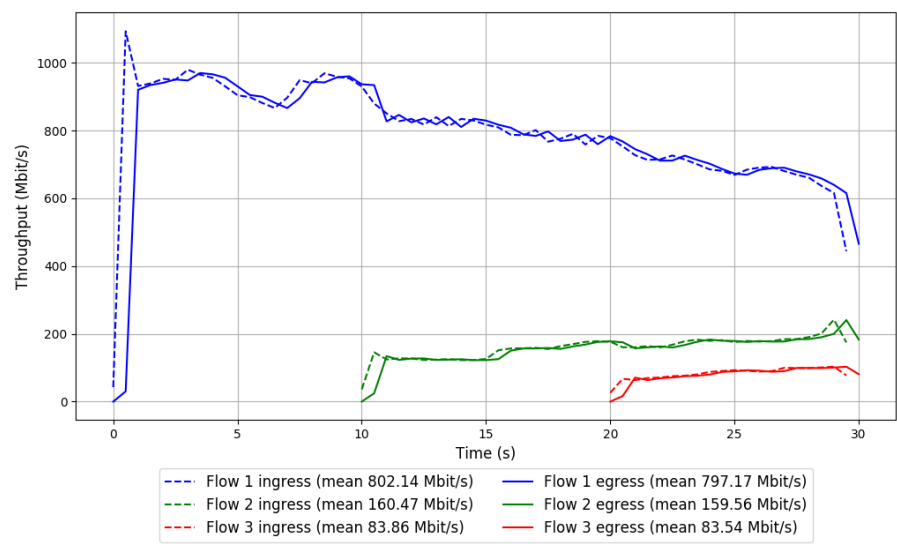


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 22:29:20  
End at: 2018-06-29 22:29:50  
Local clock offset: -0.052 ms  
Remote clock offset: -2.556 ms

# Below is generated by plot.py at 2018-06-30 02:53:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 930.78 Mbit/s  
95th percentile per-packet one-way delay: 20.834 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 797.17 Mbit/s  
95th percentile per-packet one-way delay: 21.055 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 159.56 Mbit/s  
95th percentile per-packet one-way delay: 19.762 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 83.54 Mbit/s  
95th percentile per-packet one-way delay: 19.869 ms  
Loss rate: 0.39%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 22:56:08

End at: 2018-06-29 22:56:38

Local clock offset: 2.43 ms

Remote clock offset: 6.324 ms

# Below is generated by plot.py at 2018-06-30 02:53:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 879.03 Mbit/s

95th percentile per-packet one-way delay: 19.651 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 747.15 Mbit/s

95th percentile per-packet one-way delay: 19.678 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 155.99 Mbit/s

95th percentile per-packet one-way delay: 19.519 ms

Loss rate: 0.16%

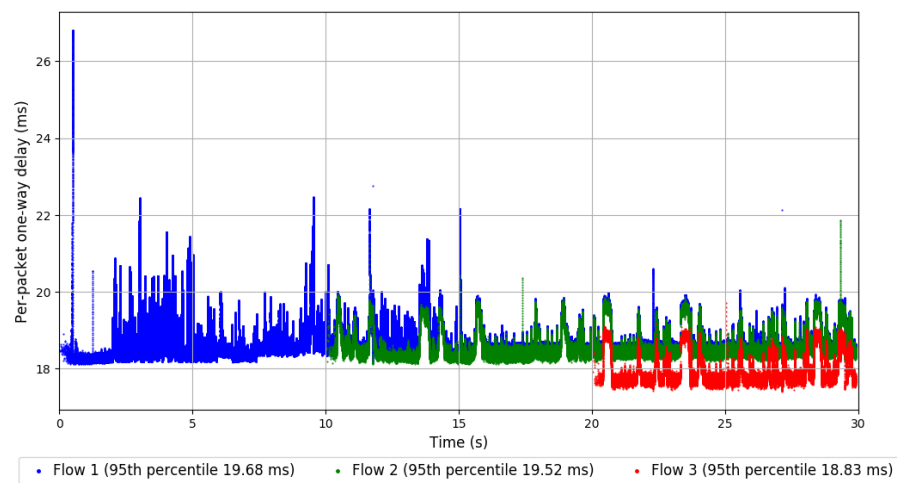
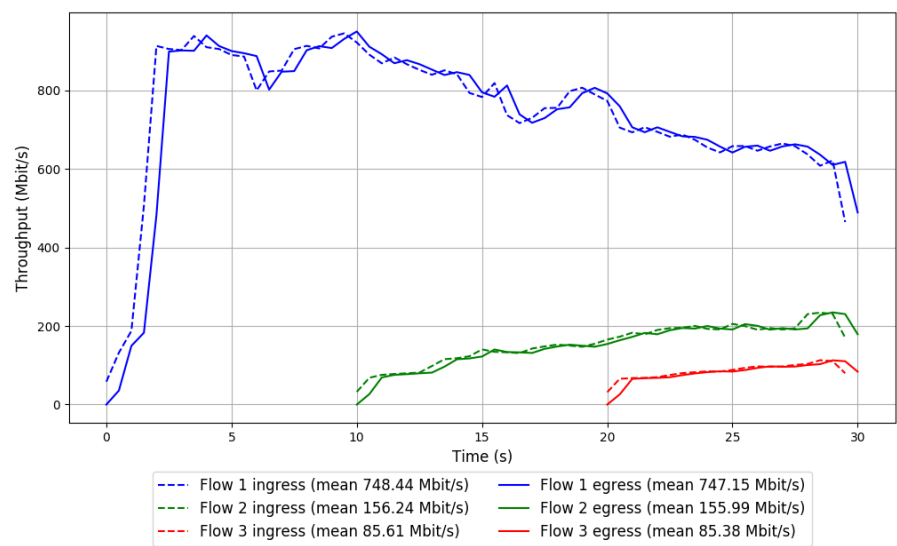
-- Flow 3:

Average throughput: 85.38 Mbit/s

95th percentile per-packet one-way delay: 18.826 ms

Loss rate: 0.28%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 23:23:11

End at: 2018-06-29 23:23:41

Local clock offset: 1.503 ms

Remote clock offset: 9.851 ms

# Below is generated by plot.py at 2018-06-30 02:53:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 861.00 Mbit/s

95th percentile per-packet one-way delay: 20.220 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 753.27 Mbit/s

95th percentile per-packet one-way delay: 20.237 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 108.71 Mbit/s

95th percentile per-packet one-way delay: 19.165 ms

Loss rate: 0.38%

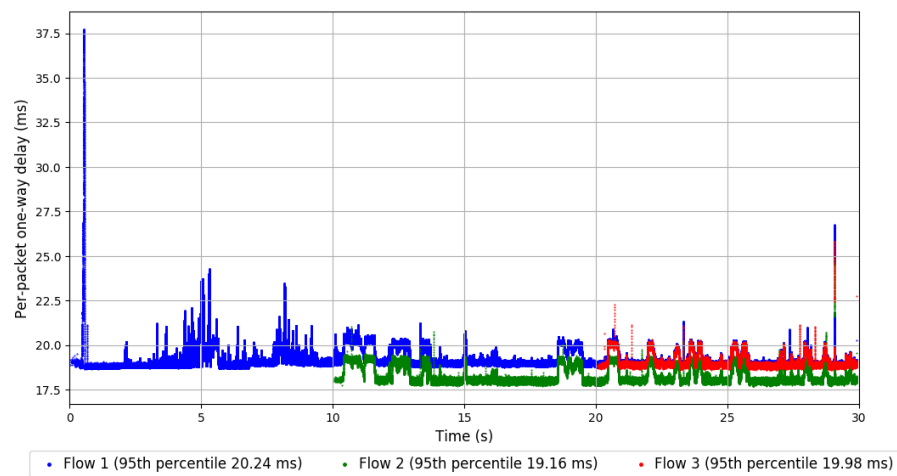
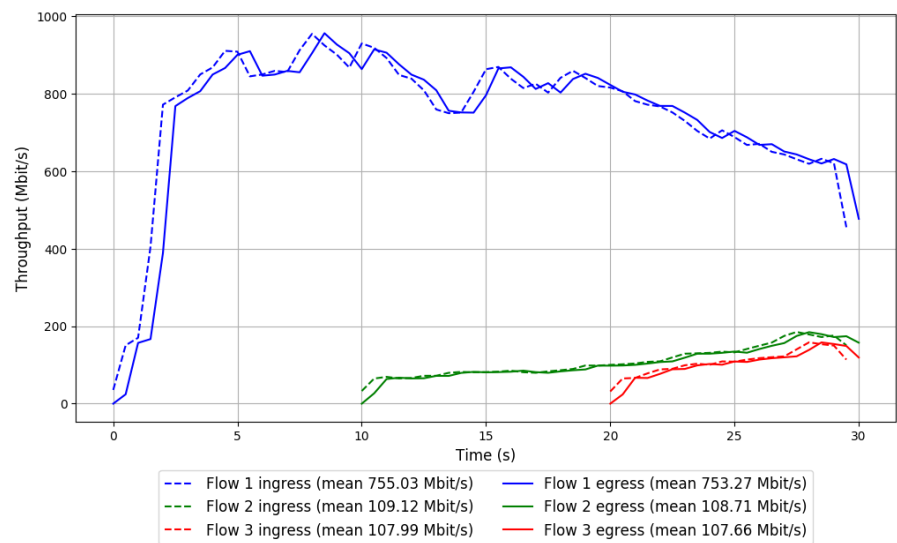
-- Flow 3:

Average throughput: 107.66 Mbit/s

95th percentile per-packet one-way delay: 19.981 ms

Loss rate: 0.29%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 23:50:05

End at: 2018-06-29 23:50:35

Local clock offset: -0.311 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-06-30 02:53:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 869.39 Mbit/s

95th percentile per-packet one-way delay: 19.634 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 782.34 Mbit/s

95th percentile per-packet one-way delay: 19.647 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 19.488 ms

Loss rate: 0.32%

-- Flow 3:

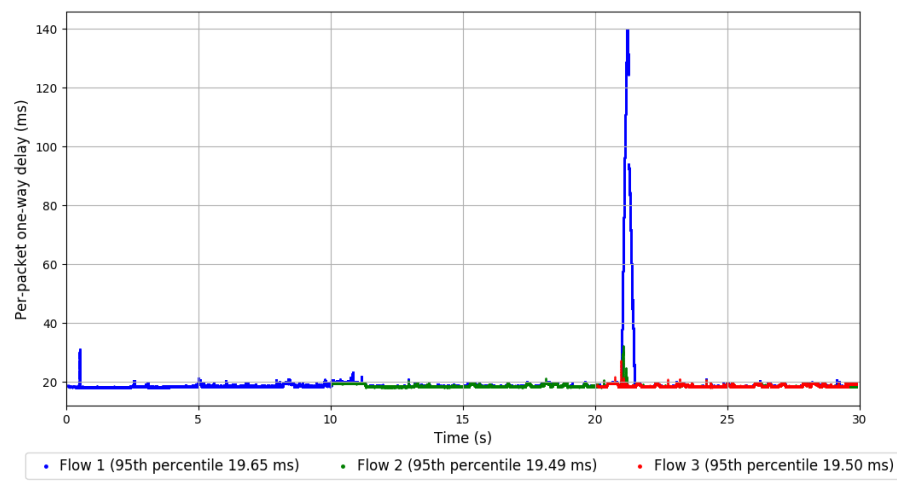
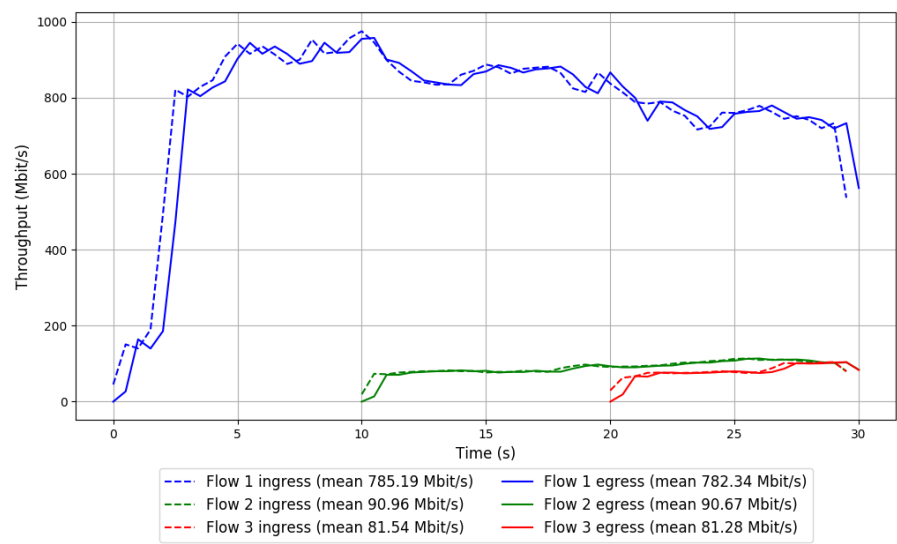
Average throughput: 81.28 Mbit/s

95th percentile per-packet one-way delay: 19.499 ms

Loss rate: 0.31%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 00:17:04

End at: 2018-06-30 00:17:34

Local clock offset: -0.162 ms

Remote clock offset: 1.612 ms

# Below is generated by plot.py at 2018-06-30 02:55:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 881.19 Mbit/s

95th percentile per-packet one-way delay: 20.168 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 772.91 Mbit/s

95th percentile per-packet one-way delay: 20.182 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 120.23 Mbit/s

95th percentile per-packet one-way delay: 20.019 ms

Loss rate: 0.25%

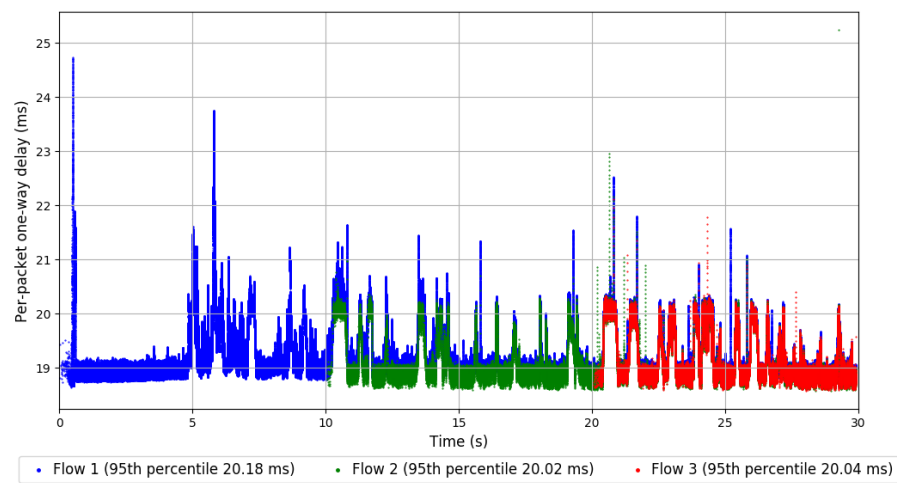
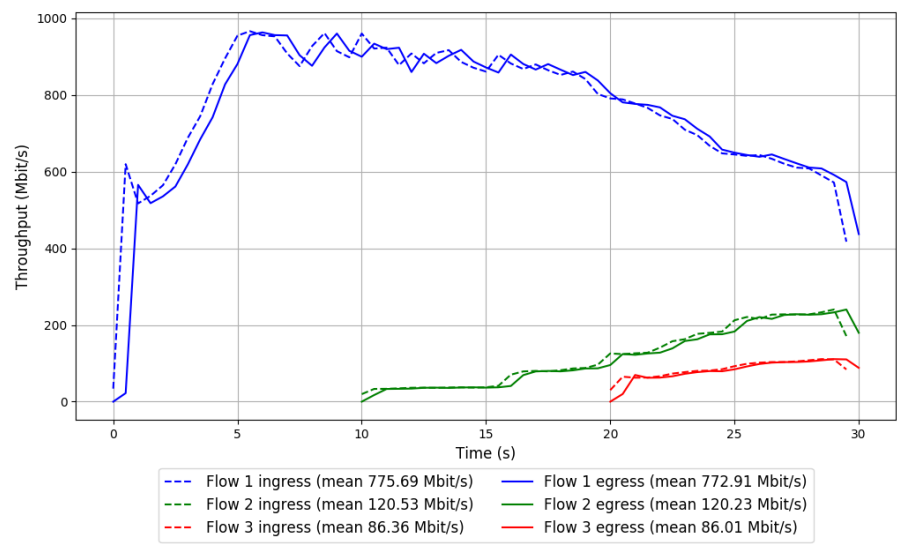
-- Flow 3:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 20.043 ms

Loss rate: 0.41%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 00:44:03

End at: 2018-06-30 00:44:33

Local clock offset: -0.33 ms

Remote clock offset: 3.742 ms

# Below is generated by plot.py at 2018-06-30 03:01:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 890.02 Mbit/s

95th percentile per-packet one-way delay: 20.442 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 784.46 Mbit/s

95th percentile per-packet one-way delay: 20.457 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 120.43 Mbit/s

95th percentile per-packet one-way delay: 19.475 ms

Loss rate: 0.45%

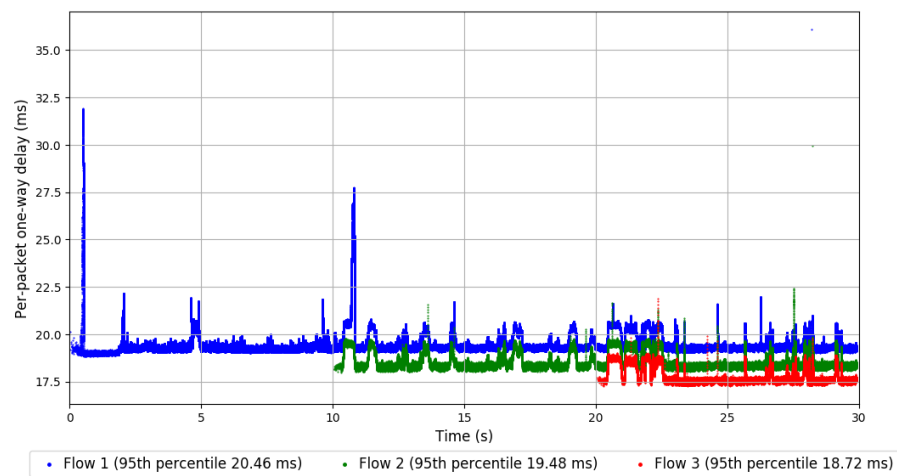
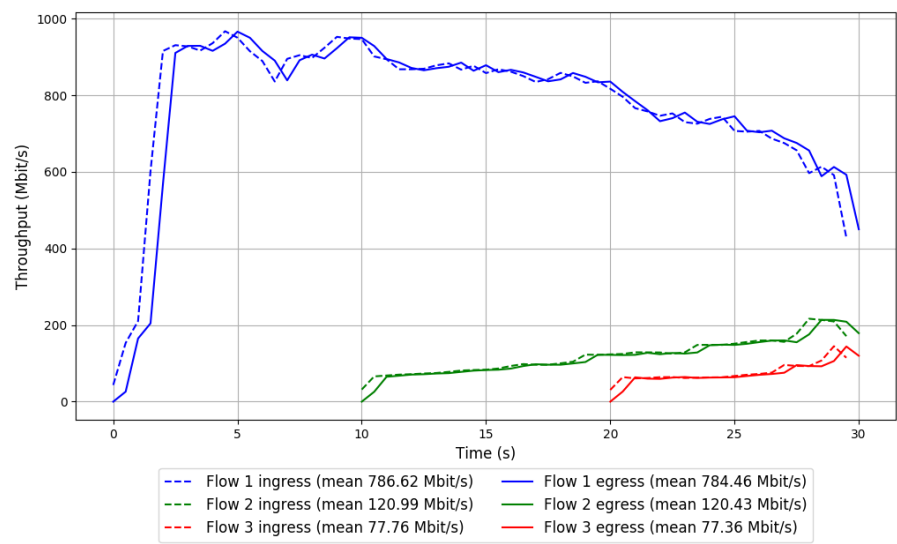
-- Flow 3:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 18.723 ms

Loss rate: 0.51%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 01:10:48

End at: 2018-06-30 01:11:18

Local clock offset: 3.873 ms

Remote clock offset: 3.294 ms

# Below is generated by plot.py at 2018-06-30 03:02:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 886.19 Mbit/s

95th percentile per-packet one-way delay: 20.292 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 698.22 Mbit/s

95th percentile per-packet one-way delay: 20.304 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 198.84 Mbit/s

95th percentile per-packet one-way delay: 18.824 ms

Loss rate: 0.38%

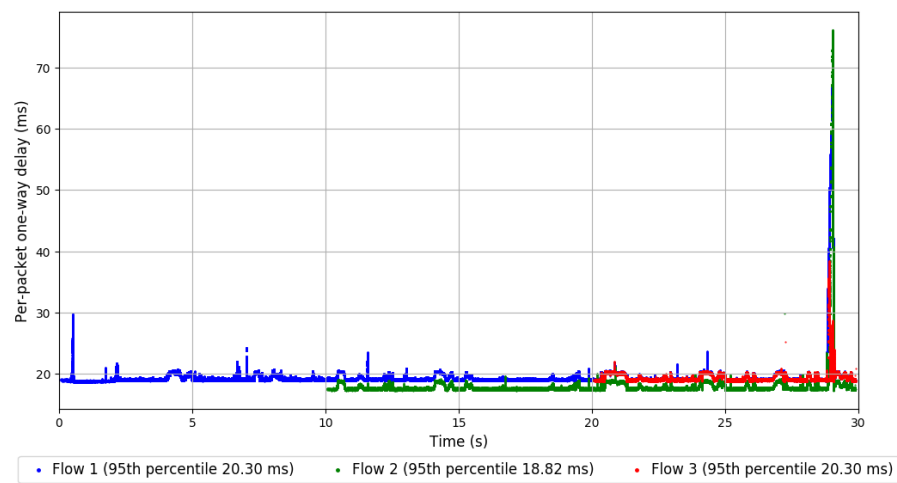
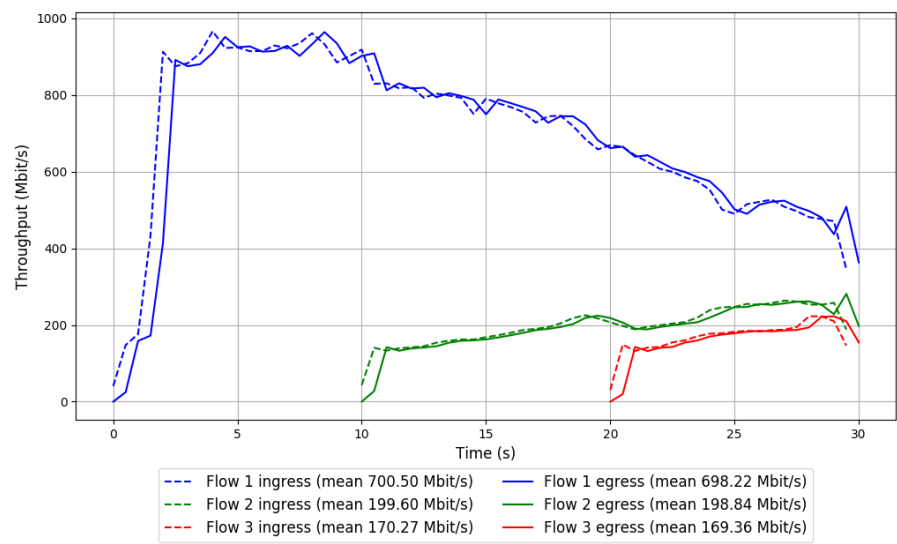
-- Flow 3:

Average throughput: 169.36 Mbit/s

95th percentile per-packet one-way delay: 20.299 ms

Loss rate: 0.53%

Run 10: Report of PCC-Allegro — Data Link



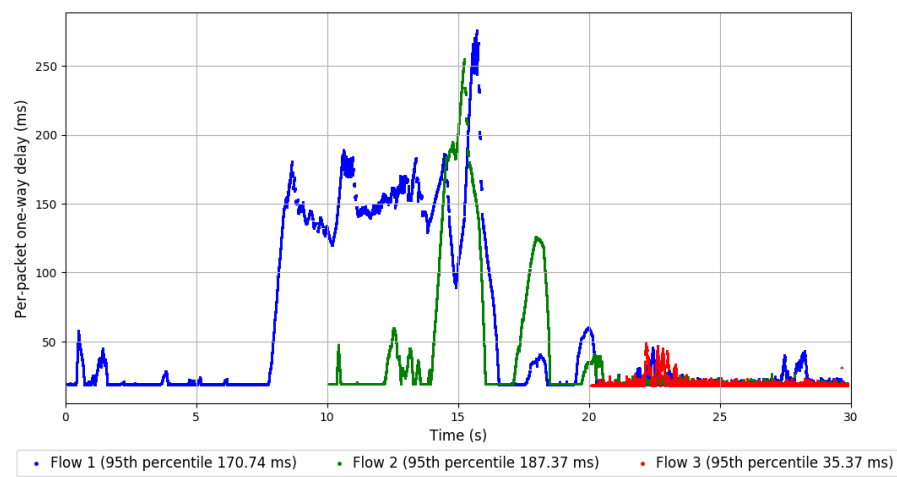
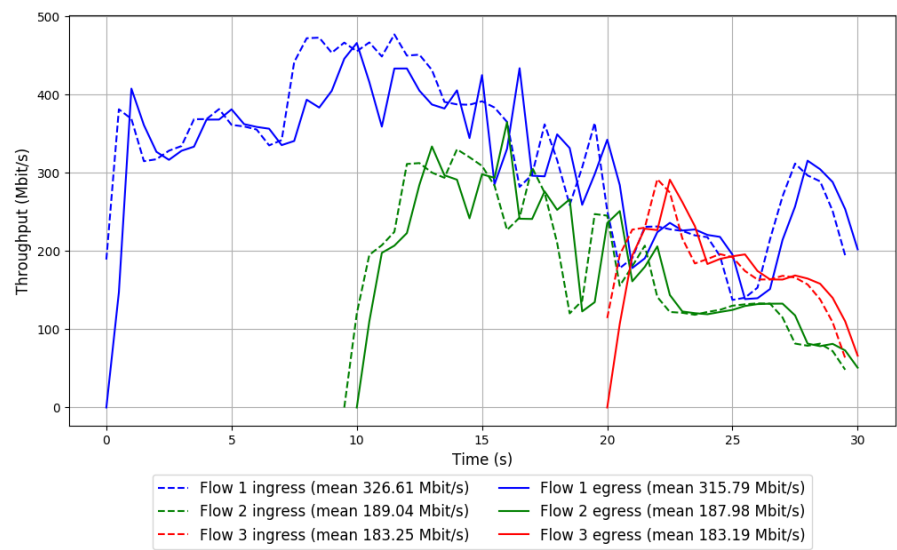
```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 21:07:07
End at: 2018-06-29 21:07:37
Local clock offset: 3.672 ms
Remote clock offset: 3.284 ms

# Below is generated by plot.py at 2018-06-30 03:03:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 501.42 Mbit/s
95th percentile per-packet one-way delay: 171.662 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 315.79 Mbit/s
95th percentile per-packet one-way delay: 170.736 ms
Loss rate: 3.32%
-- Flow 2:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 187.372 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 183.19 Mbit/s
95th percentile per-packet one-way delay: 35.369 ms
Loss rate: 0.03%
```



Run 1: Report of PCC-Expr — Data Link

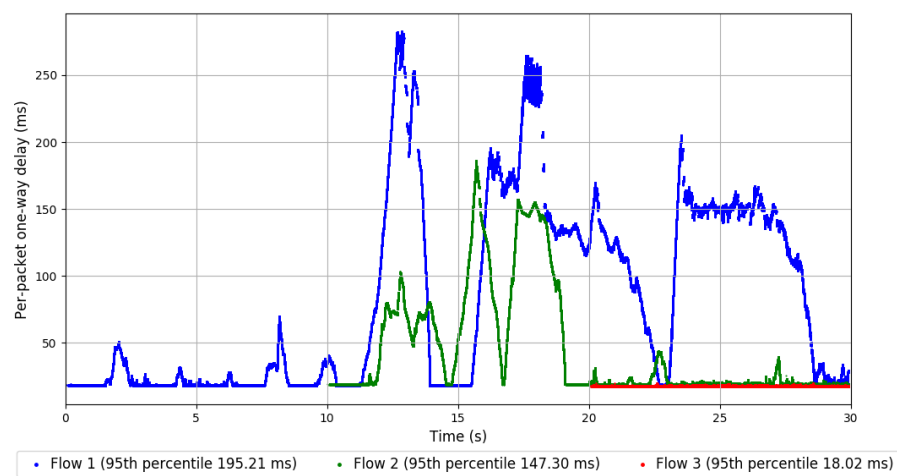
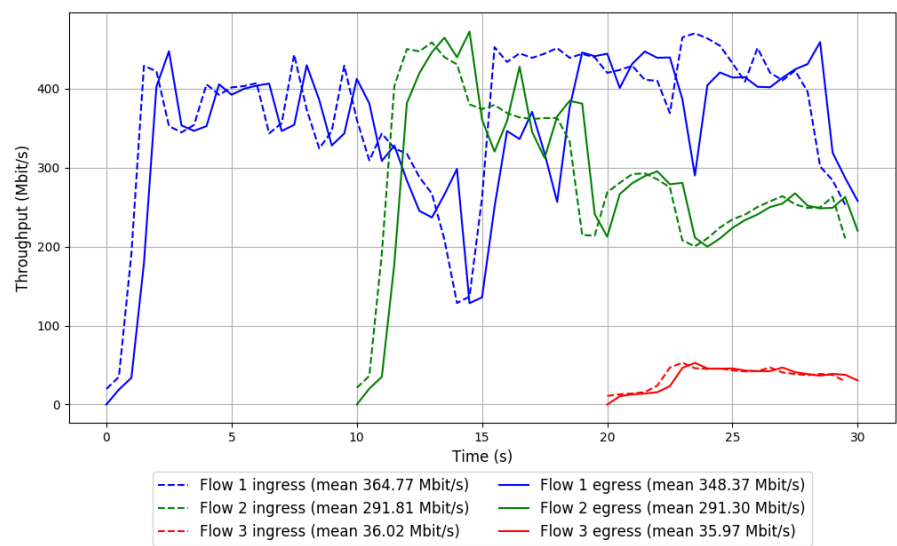


Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 21:33:47  
End at: 2018-06-29 21:34:17  
Local clock offset: 3.484 ms  
Remote clock offset: -3.302 ms

# Below is generated by plot.py at 2018-06-30 03:05:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 554.02 Mbit/s  
95th percentile per-packet one-way delay: 176.776 ms  
Loss rate: 2.94%  
-- Flow 1:  
Average throughput: 348.37 Mbit/s  
95th percentile per-packet one-way delay: 195.208 ms  
Loss rate: 4.50%  
-- Flow 2:  
Average throughput: 291.30 Mbit/s  
95th percentile per-packet one-way delay: 147.301 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 35.97 Mbit/s  
95th percentile per-packet one-way delay: 18.024 ms  
Loss rate: 0.14%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 22:00:39

End at: 2018-06-29 22:01:09

Local clock offset: 0.605 ms

Remote clock offset: -5.87 ms

# Below is generated by plot.py at 2018-06-30 03:05:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 469.09 Mbit/s

95th percentile per-packet one-way delay: 191.785 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 257.46 Mbit/s

95th percentile per-packet one-way delay: 185.029 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 294.64 Mbit/s

95th percentile per-packet one-way delay: 196.630 ms

Loss rate: 1.09%

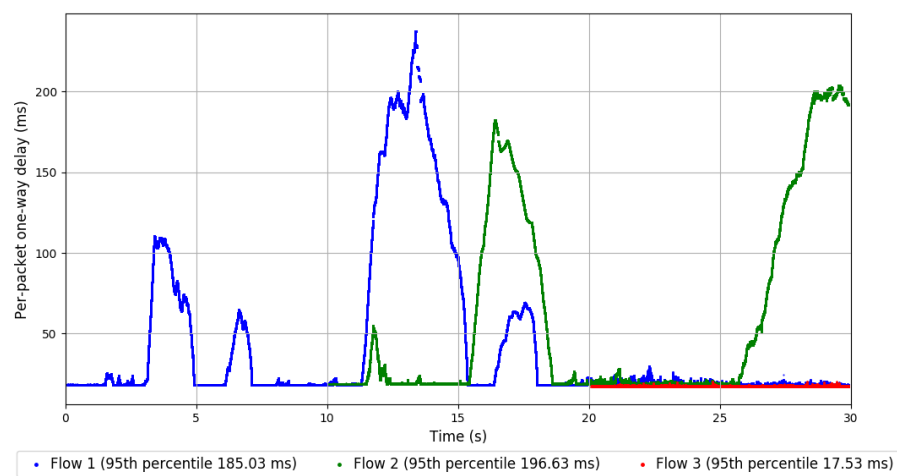
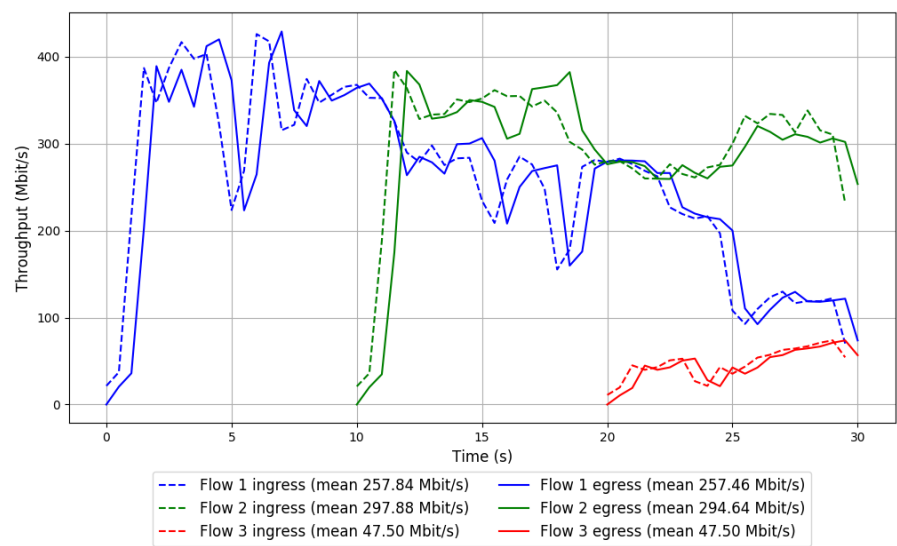
-- Flow 3:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 17.531 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

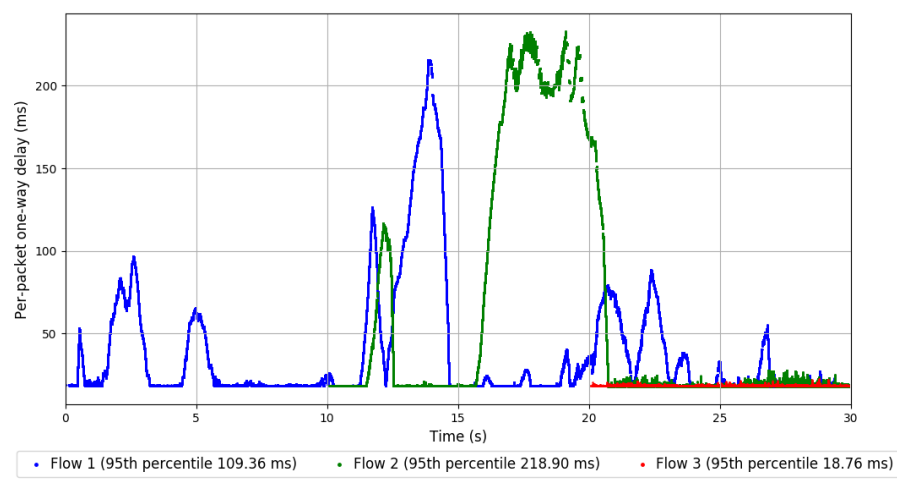
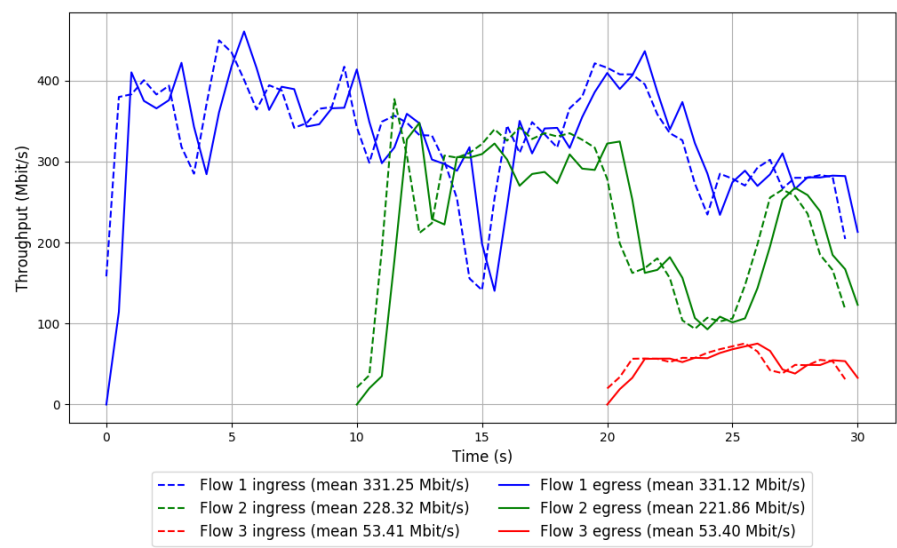


Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 22:27:31  
End at: 2018-06-29 22:28:01  
Local clock offset: -0.043 ms  
Remote clock offset: -4.204 ms

# Below is generated by plot.py at 2018-06-30 03:05:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 496.31 Mbit/s  
95th percentile per-packet one-way delay: 198.970 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 331.12 Mbit/s  
95th percentile per-packet one-way delay: 109.356 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 221.86 Mbit/s  
95th percentile per-packet one-way delay: 218.896 ms  
Loss rate: 2.84%  
-- Flow 3:  
Average throughput: 53.40 Mbit/s  
95th percentile per-packet one-way delay: 18.764 ms  
Loss rate: 0.02%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 22:54:15

End at: 2018-06-29 22:54:45

Local clock offset: 2.139 ms

Remote clock offset: 5.968 ms

# Below is generated by plot.py at 2018-06-30 03:06:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 566.16 Mbit/s

95th percentile per-packet one-way delay: 194.601 ms

Loss rate: 5.43%

-- Flow 1:

Average throughput: 349.79 Mbit/s

95th percentile per-packet one-way delay: 198.584 ms

Loss rate: 7.71%

-- Flow 2:

Average throughput: 264.06 Mbit/s

95th percentile per-packet one-way delay: 194.608 ms

Loss rate: 1.57%

-- Flow 3:

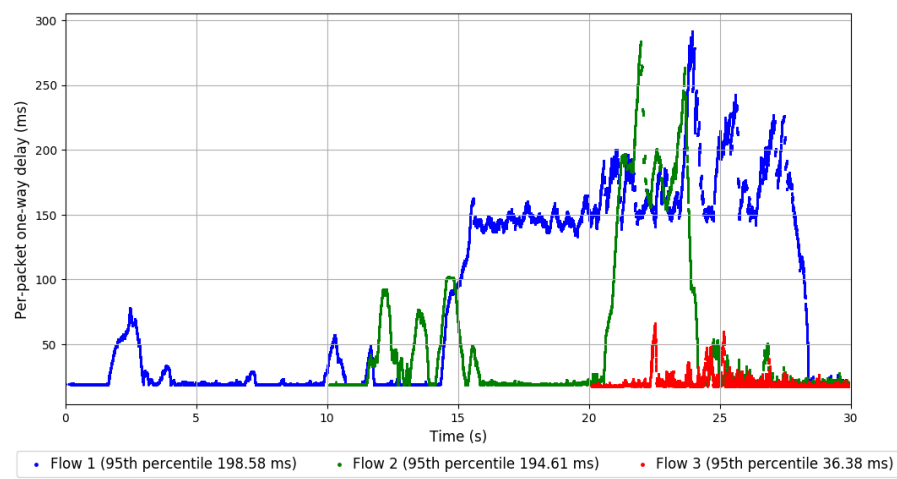
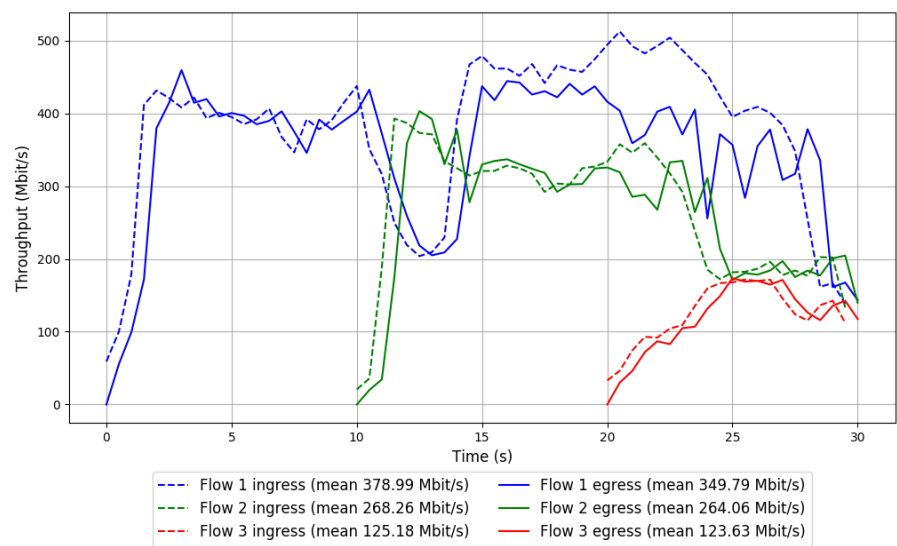
Average throughput: 123.63 Mbit/s

95th percentile per-packet one-way delay: 36.379 ms

Loss rate: 1.20%



Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 23:21:21

End at: 2018-06-29 23:21:51

Local clock offset: 1.974 ms

Remote clock offset: 9.571 ms

# Below is generated by plot.py at 2018-06-30 03:07:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 518.80 Mbit/s

95th percentile per-packet one-way delay: 140.873 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 297.04 Mbit/s

95th percentile per-packet one-way delay: 79.436 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 291.64 Mbit/s

95th percentile per-packet one-way delay: 165.144 ms

Loss rate: 1.35%

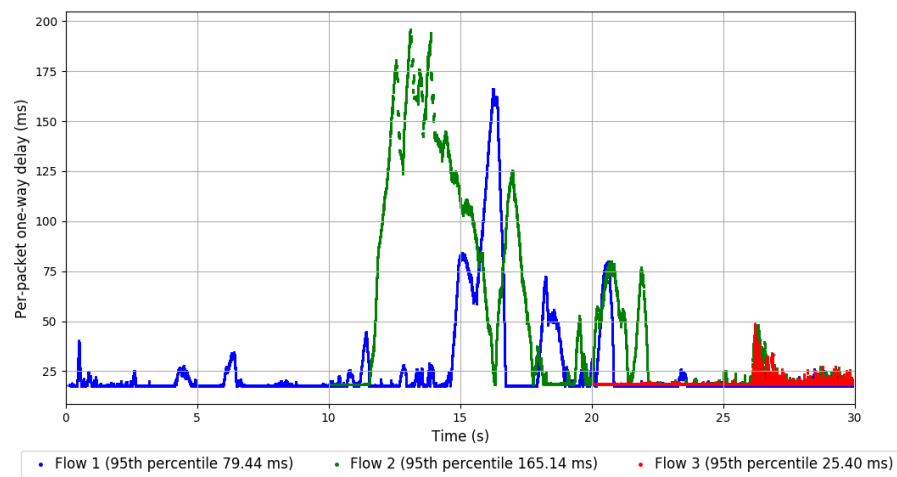
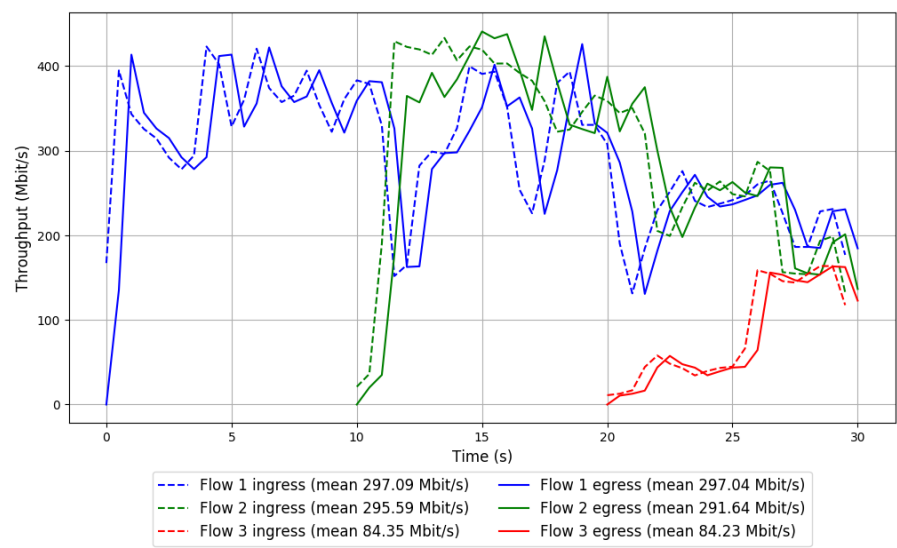
-- Flow 3:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 25.401 ms

Loss rate: 0.16%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 23:48:14

End at: 2018-06-29 23:48:44

Local clock offset: -0.43 ms

Remote clock offset: 0.562 ms

# Below is generated by plot.py at 2018-06-30 03:13:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 485.22 Mbit/s

95th percentile per-packet one-way delay: 149.486 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 283.52 Mbit/s

95th percentile per-packet one-way delay: 178.679 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 264.92 Mbit/s

95th percentile per-packet one-way delay: 87.070 ms

Loss rate: 0.01%

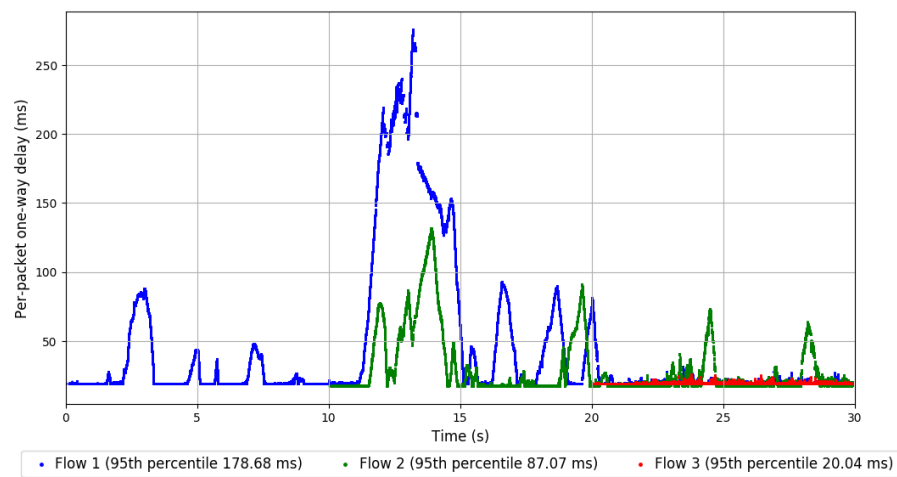
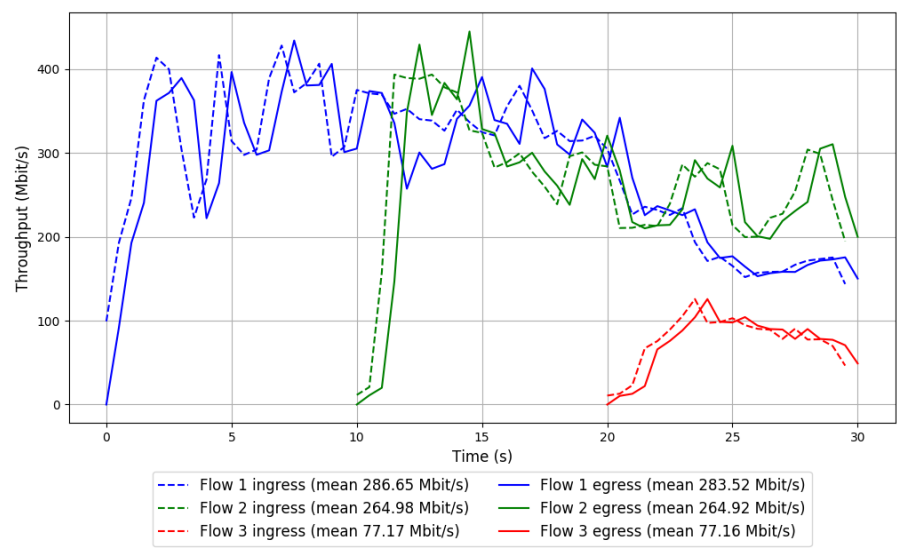
-- Flow 3:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 20.038 ms

Loss rate: 0.02%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 00:15:17

End at: 2018-06-30 00:15:47

Local clock offset: -0.158 ms

Remote clock offset: 1.077 ms

# Below is generated by plot.py at 2018-06-30 03:13:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 460.36 Mbit/s

95th percentile per-packet one-way delay: 136.156 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 258.99 Mbit/s

95th percentile per-packet one-way delay: 138.874 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 276.00 Mbit/s

95th percentile per-packet one-way delay: 119.080 ms

Loss rate: 0.01%

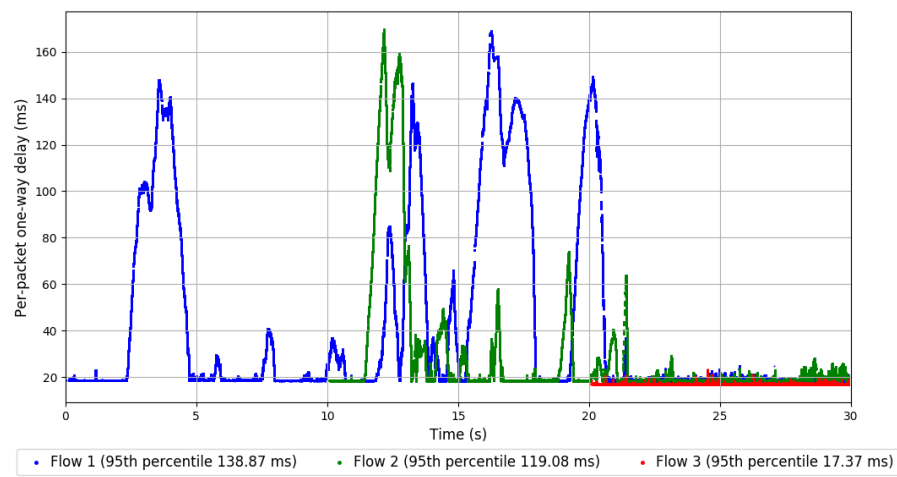
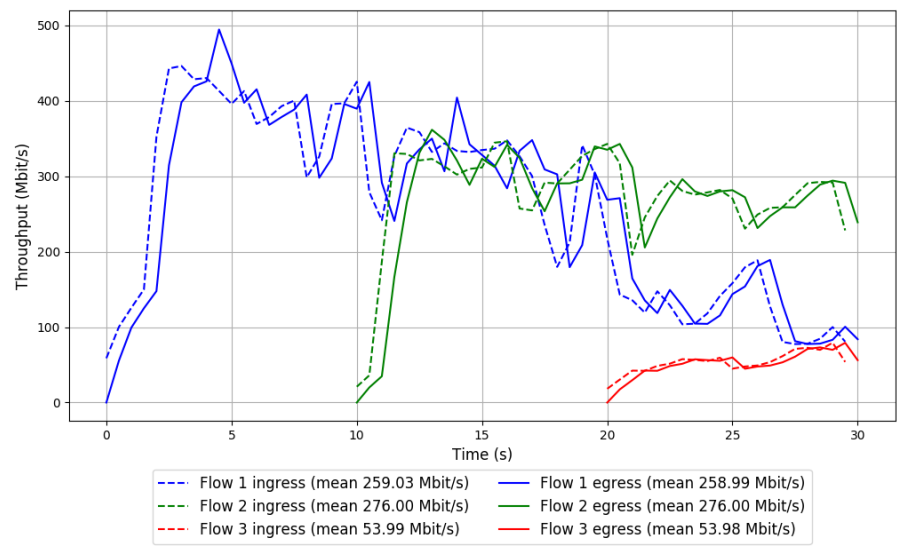
-- Flow 3:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 17.374 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 00:42:09

End at: 2018-06-30 00:42:39

Local clock offset: -0.401 ms

Remote clock offset: 3.888 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 563.20 Mbit/s

95th percentile per-packet one-way delay: 184.978 ms

Loss rate: 11.27%

-- Flow 1:

Average throughput: 287.29 Mbit/s

95th percentile per-packet one-way delay: 127.556 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 371.56 Mbit/s

95th percentile per-packet one-way delay: 203.362 ms

Loss rate: 21.95%

-- Flow 3:

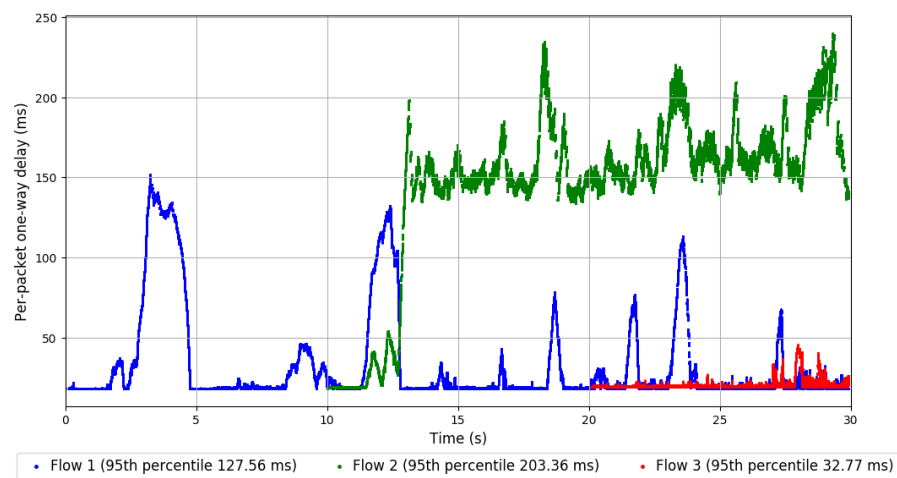
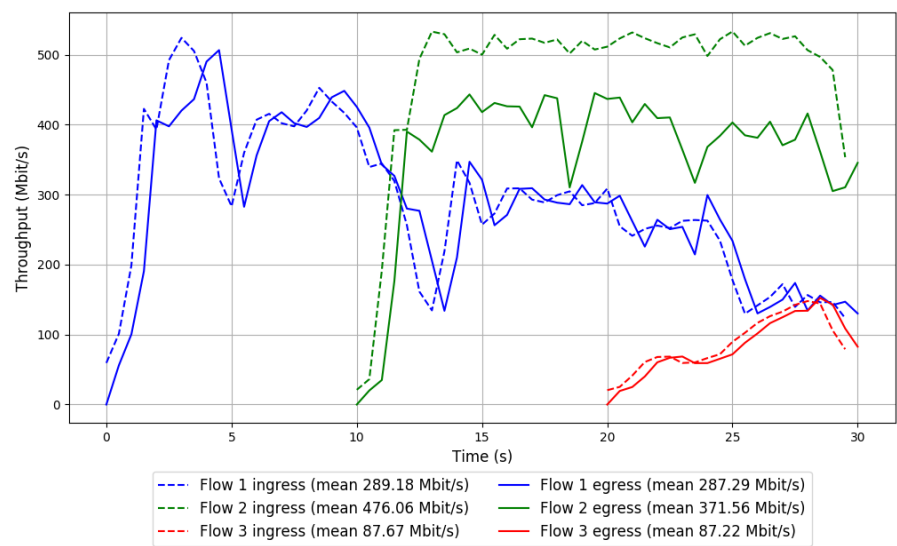
Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 32.774 ms

Loss rate: 0.51%



Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 01:09:00

End at: 2018-06-30 01:09:30

Local clock offset: 3.87 ms

Remote clock offset: 3.324 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 479.89 Mbit/s

95th percentile per-packet one-way delay: 58.602 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 299.26 Mbit/s

95th percentile per-packet one-way delay: 68.314 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 238.87 Mbit/s

95th percentile per-packet one-way delay: 49.688 ms

Loss rate: 0.00%

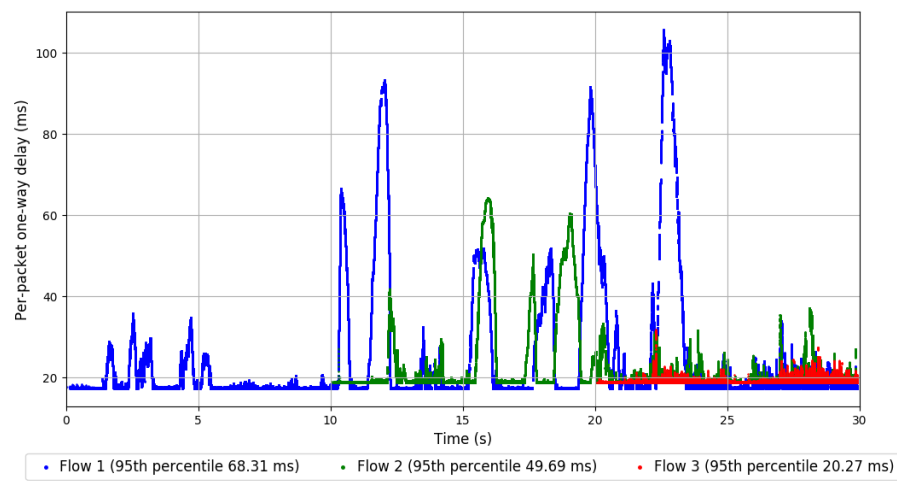
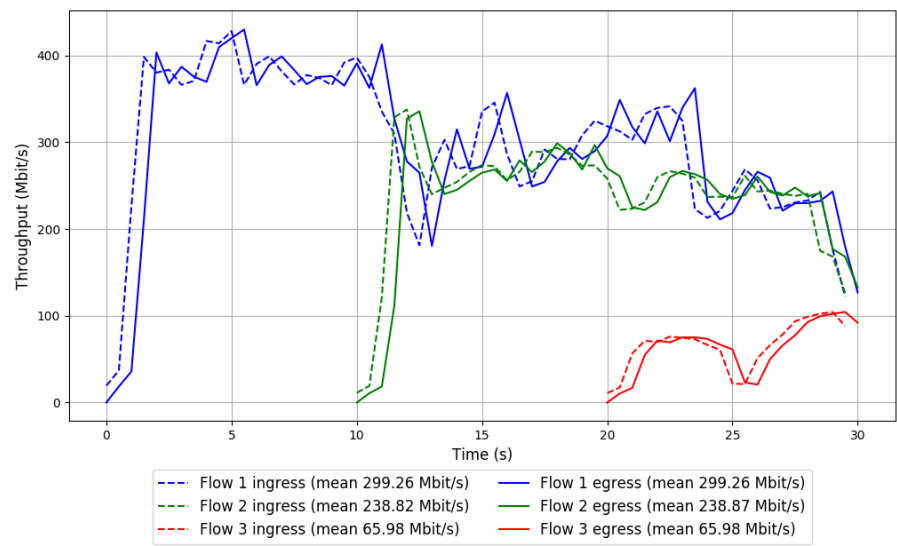
-- Flow 3:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 20.273 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 21:18:53

End at: 2018-06-29 21:19:23

Local clock offset: 3.861 ms

Remote clock offset: 1.719 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.95 Mbit/s

95th percentile per-packet one-way delay: 19.099 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 18.797 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 18.430 ms

Loss rate: 0.00%

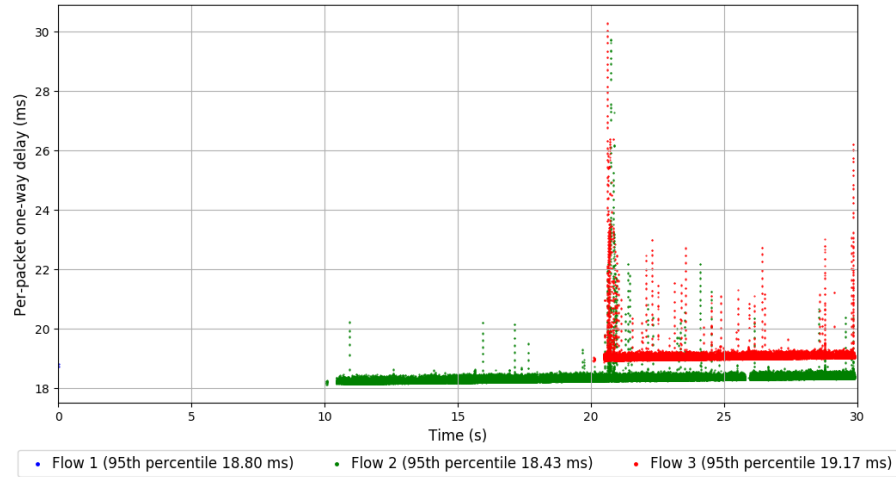
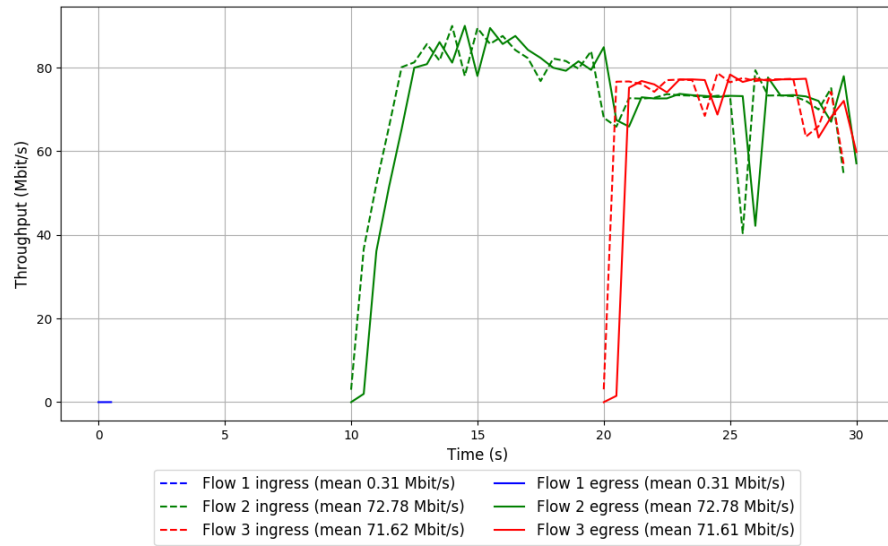
-- Flow 3:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 19.168 ms

Loss rate: 0.00%

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

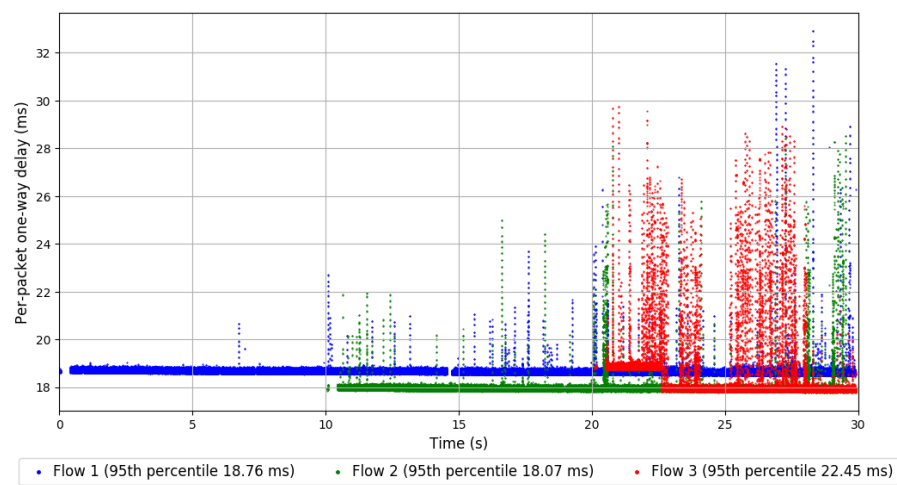
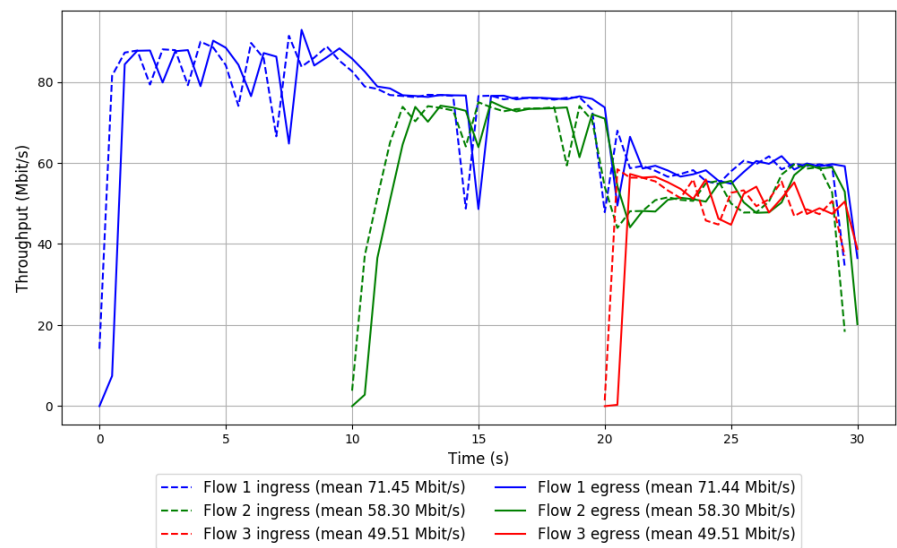


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 21:45:39  
End at: 2018-06-29 21:46:09  
Local clock offset: 3.453 ms  
Remote clock offset: -4.681 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 126.43 Mbit/s  
95th percentile per-packet one-way delay: 18.824 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 71.44 Mbit/s  
95th percentile per-packet one-way delay: 18.764 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 58.30 Mbit/s  
95th percentile per-packet one-way delay: 18.066 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 49.51 Mbit/s  
95th percentile per-packet one-way delay: 22.453 ms  
Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



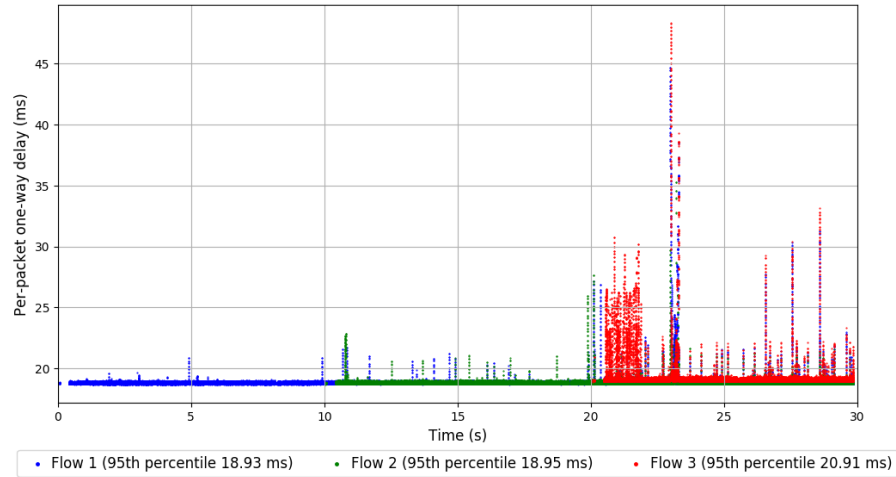
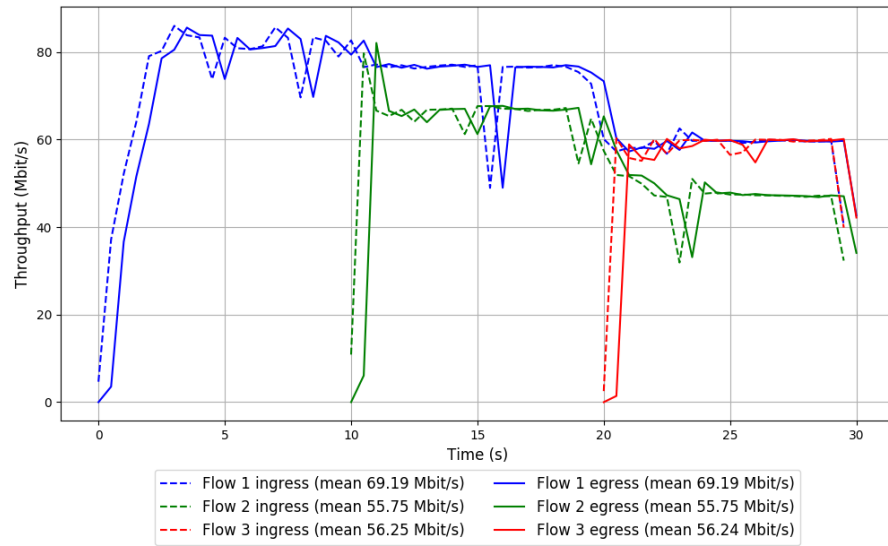
Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 22:12:24  
End at: 2018-06-29 22:12:54  
Local clock offset: -0.24 ms  
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.71 Mbit/s  
95th percentile per-packet one-way delay: 19.115 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 69.19 Mbit/s  
95th percentile per-packet one-way delay: 18.933 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 55.75 Mbit/s  
95th percentile per-packet one-way delay: 18.946 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 56.24 Mbit/s  
95th percentile per-packet one-way delay: 20.910 ms  
Loss rate: 0.00%



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



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 22:39:16

End at: 2018-06-29 22:39:46

Local clock offset: -0.007 ms

Remote clock offset: 2.715 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 118.70 Mbit/s

95th percentile per-packet one-way delay: 20.940 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 18.818 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 20.957 ms

Loss rate: 0.00%

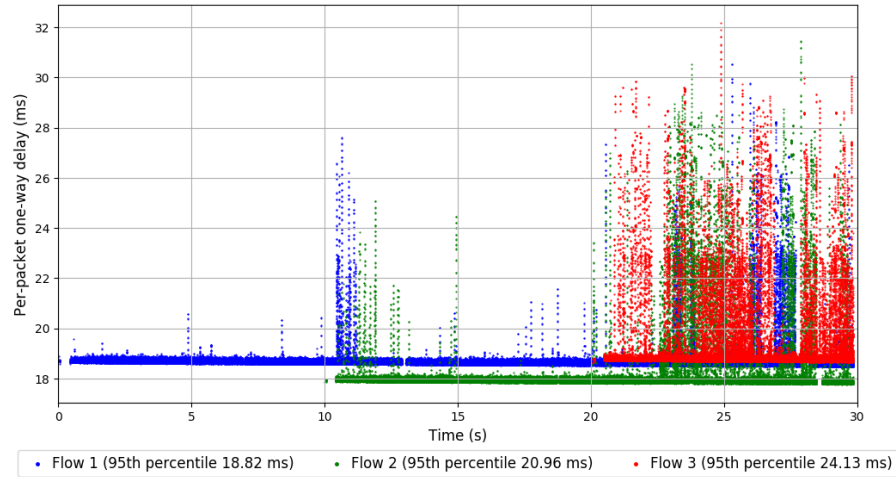
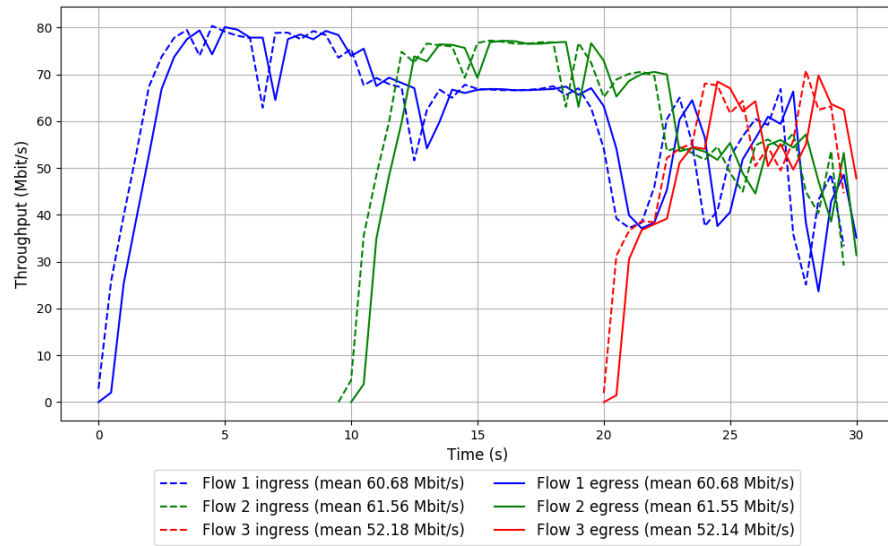
-- Flow 3:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 24.128 ms

Loss rate: 0.01%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 23:06:06

End at: 2018-06-29 23:06:36

Local clock offset: 3.437 ms

Remote clock offset: 7.727 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 122.02 Mbit/s

95th percentile per-packet one-way delay: 19.551 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 72.53 Mbit/s

95th percentile per-packet one-way delay: 18.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.61 Mbit/s

95th percentile per-packet one-way delay: 19.206 ms

Loss rate: 0.00%

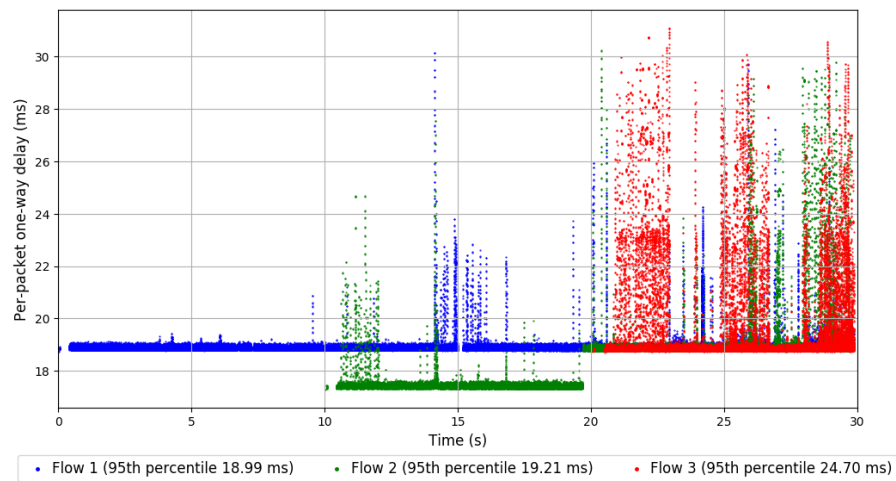
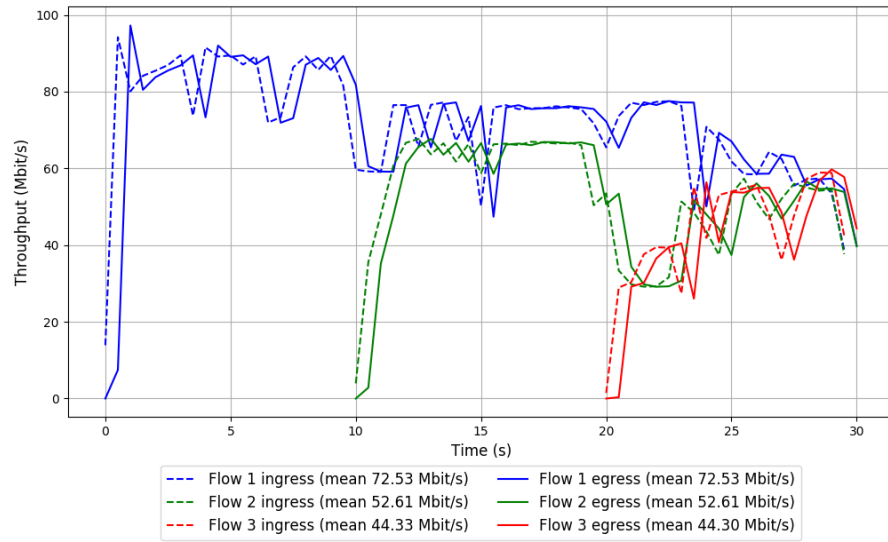
-- Flow 3:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 24.701 ms

Loss rate: 0.07%

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

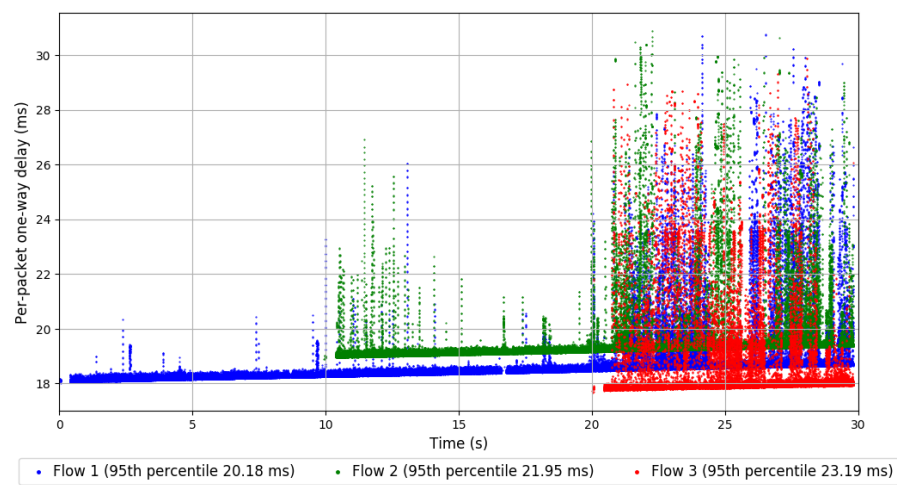
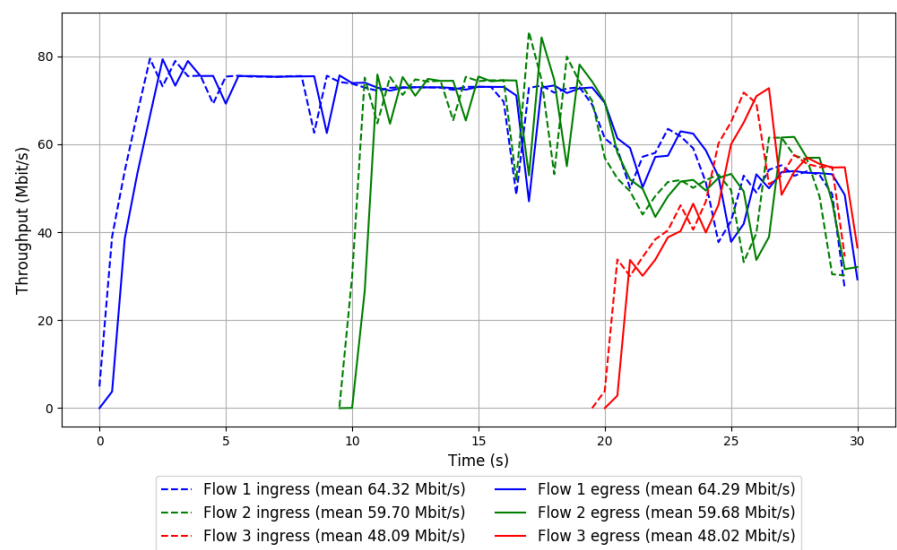


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 23:33:05  
End at: 2018-06-29 23:33:35  
Local clock offset: 0.015 ms  
Remote clock offset: 10.635 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.86 Mbit/s  
95th percentile per-packet one-way delay: 21.350 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 64.29 Mbit/s  
95th percentile per-packet one-way delay: 20.175 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 59.68 Mbit/s  
95th percentile per-packet one-way delay: 21.952 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 48.02 Mbit/s  
95th percentile per-packet one-way delay: 23.189 ms  
Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link



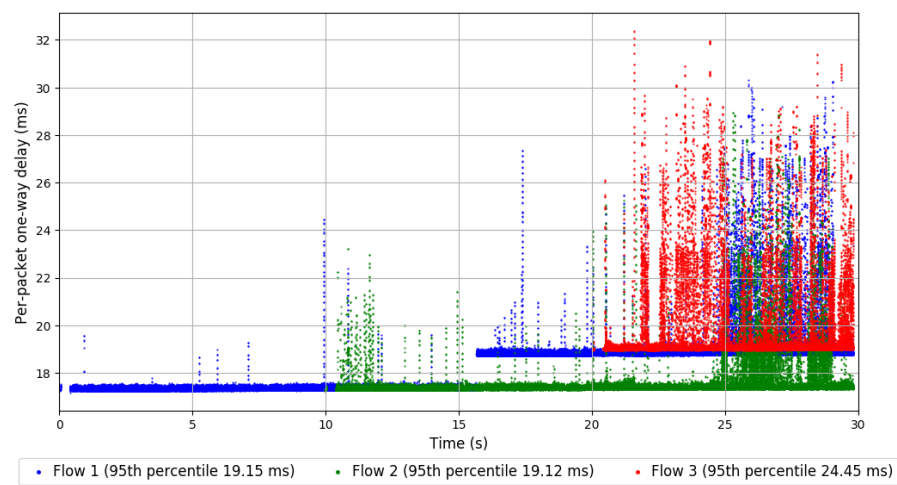
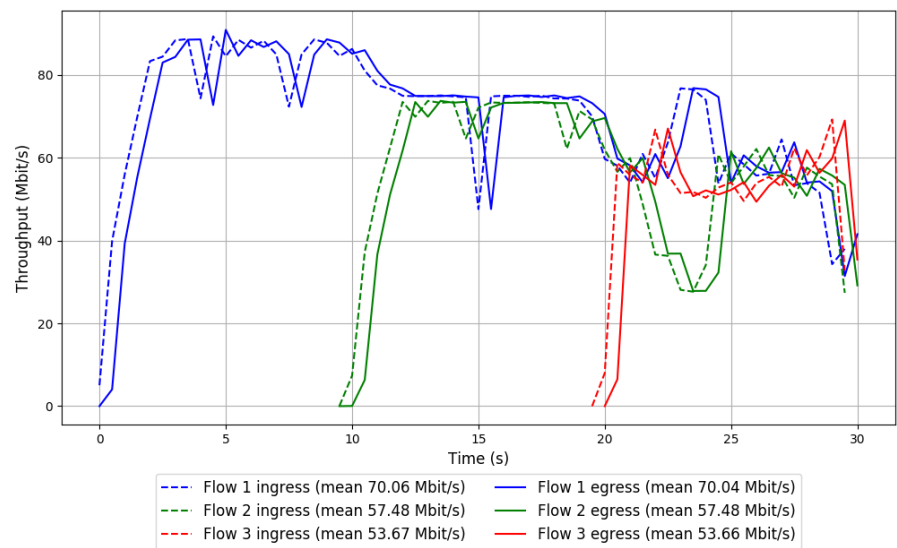
Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 00:00:04  
End at: 2018-06-30 00:00:34  
Local clock offset: -0.086 ms  
Remote clock offset: -1.682 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.97 Mbit/s  
95th percentile per-packet one-way delay: 20.571 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 70.04 Mbit/s  
95th percentile per-packet one-way delay: 19.147 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 57.48 Mbit/s  
95th percentile per-packet one-way delay: 19.119 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.66 Mbit/s  
95th percentile per-packet one-way delay: 24.450 ms  
Loss rate: 0.01%



Run 7: Report of QUIC Cubic — Data Link

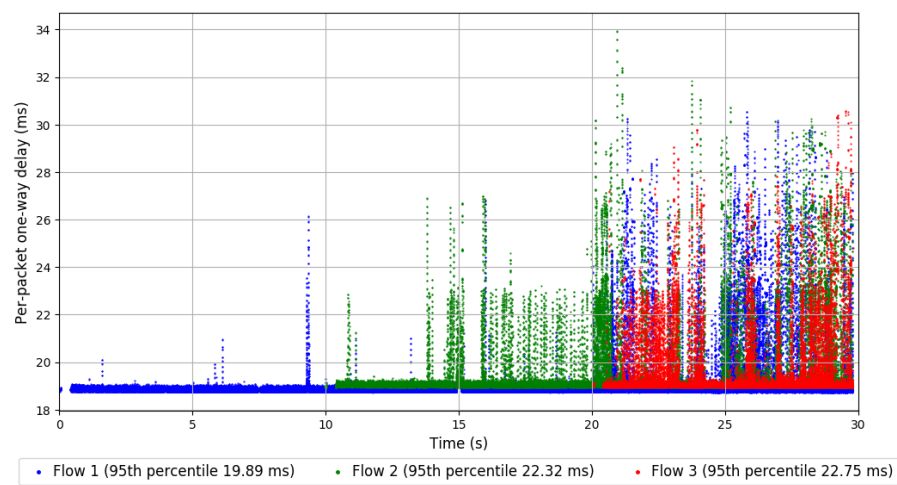
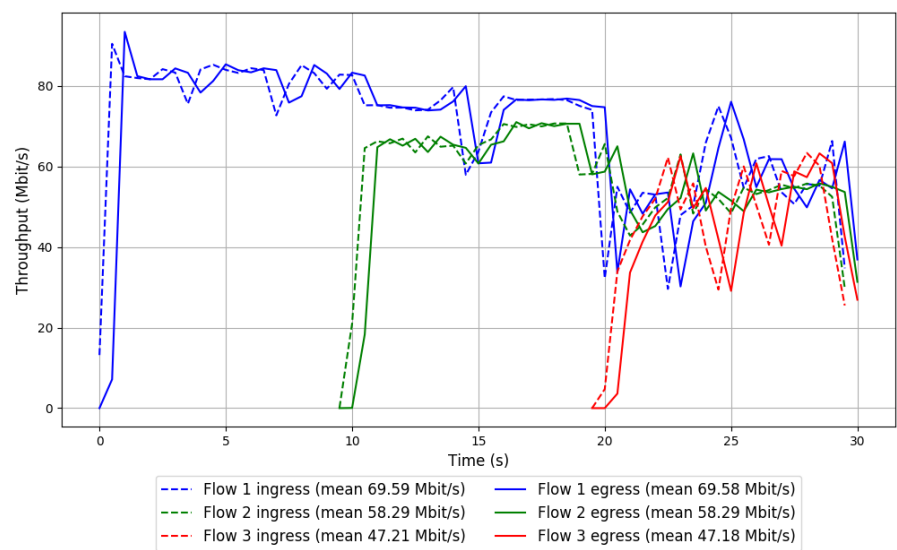


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 00:27:01  
End at: 2018-06-30 00:27:31  
Local clock offset: -0.242 ms  
Remote clock offset: 3.115 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 123.91 Mbit/s  
95th percentile per-packet one-way delay: 21.609 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 69.58 Mbit/s  
95th percentile per-packet one-way delay: 19.894 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 58.29 Mbit/s  
95th percentile per-packet one-way delay: 22.316 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 47.18 Mbit/s  
95th percentile per-packet one-way delay: 22.750 ms  
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 00:53:54

End at: 2018-06-30 00:54:24

Local clock offset: 2.116 ms

Remote clock offset: 3.281 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 120.78 Mbit/s

95th percentile per-packet one-way delay: 20.921 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 19.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 21.651 ms

Loss rate: 0.00%

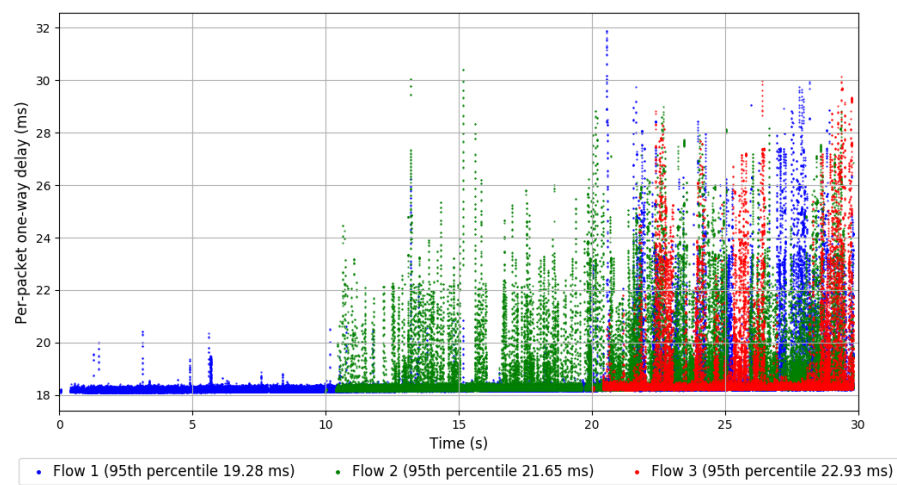
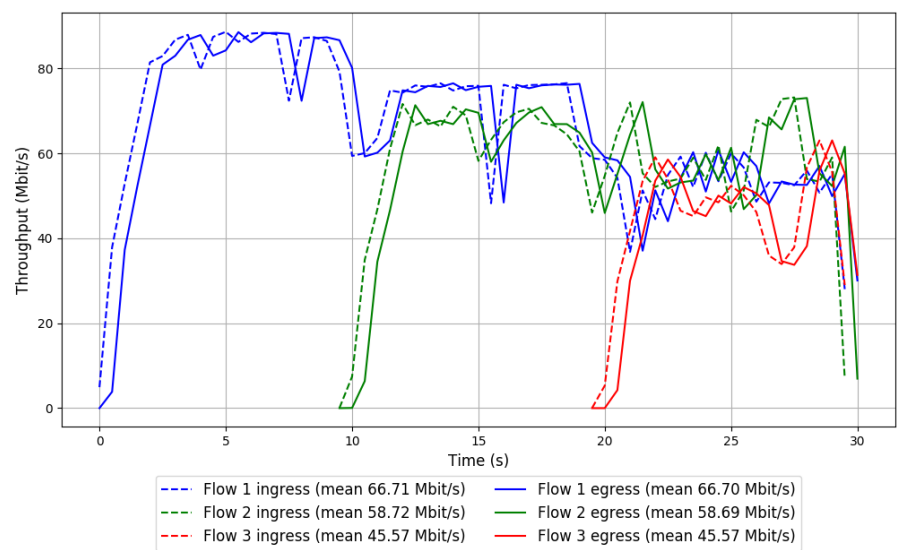
-- Flow 3:

Average throughput: 45.57 Mbit/s

95th percentile per-packet one-way delay: 22.926 ms

Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 01:20:50

End at: 2018-06-30 01:21:20

Local clock offset: 3.781 ms

Remote clock offset: 1.569 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 123.96 Mbit/s

95th percentile per-packet one-way delay: 20.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.16 Mbit/s

95th percentile per-packet one-way delay: 19.106 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.72 Mbit/s

95th percentile per-packet one-way delay: 21.444 ms

Loss rate: 0.00%

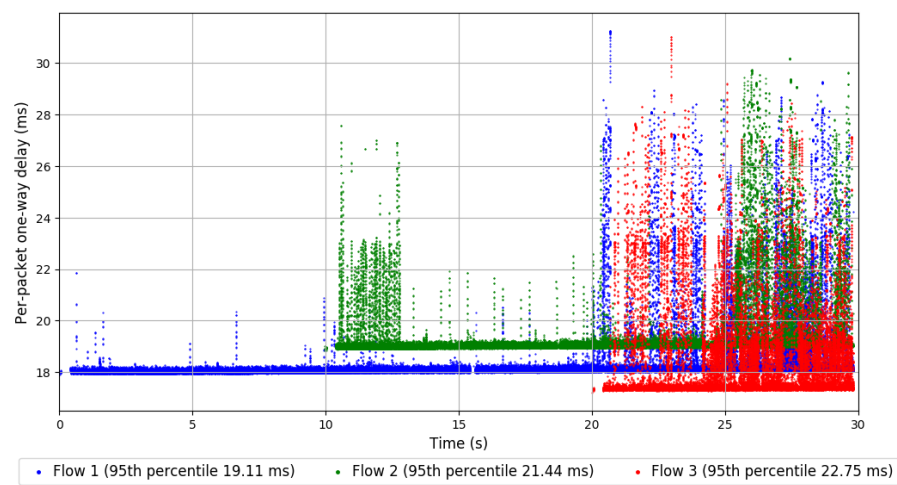
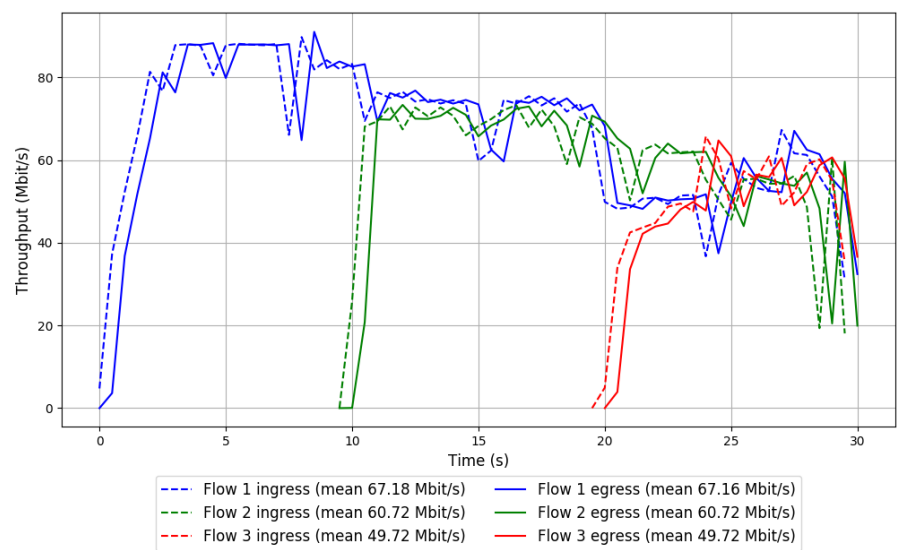
-- Flow 3:

Average throughput: 49.72 Mbit/s

95th percentile per-packet one-way delay: 22.753 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



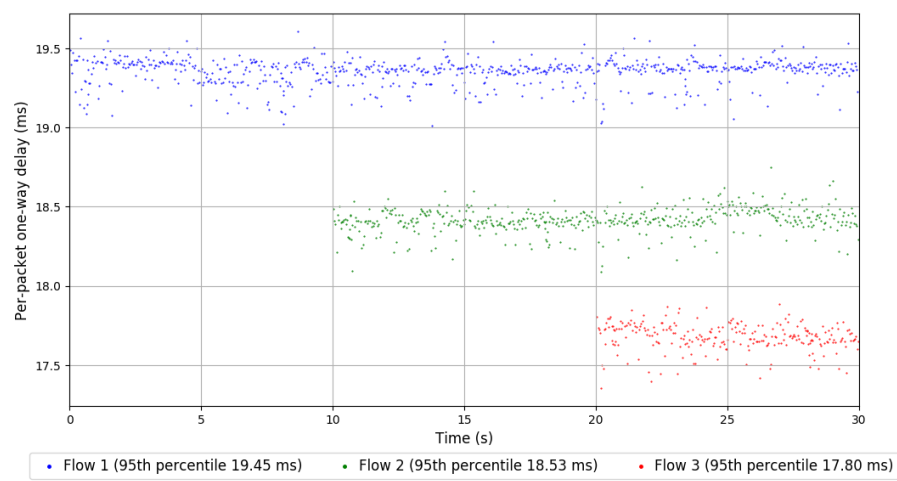
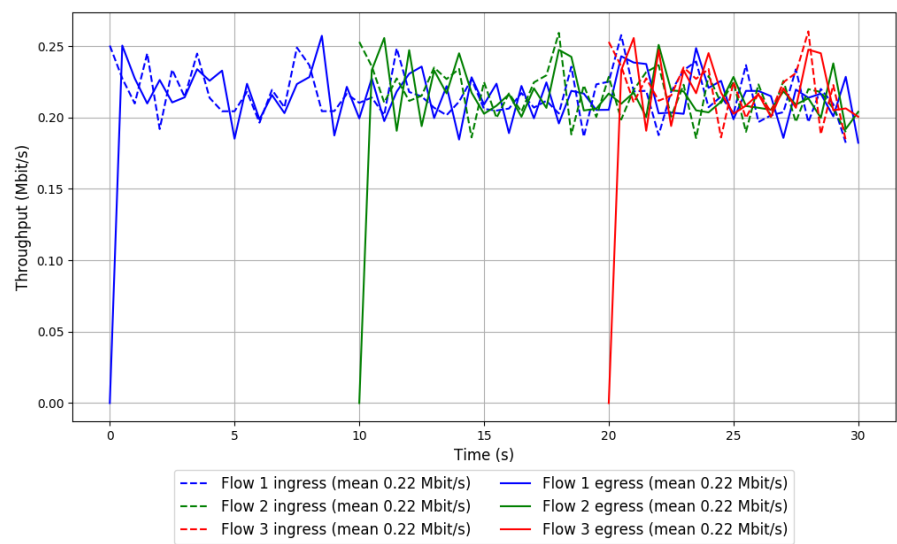
```
Run 1: Statistics of SReAM

Start at: 2018-06-29 21:04:11
End at: 2018-06-29 21:04:41
Local clock offset: 3.378 ms
Remote clock offset: 3.213 ms

# Below is generated by plot.py at 2018-06-30 03:17:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.795 ms
Loss rate: 0.00%
```



Run 1: Report of SReAM — Data Link

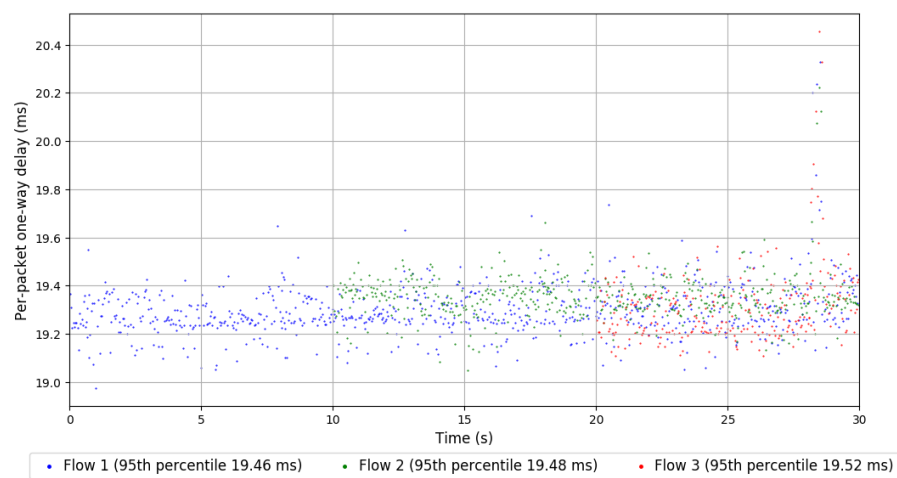
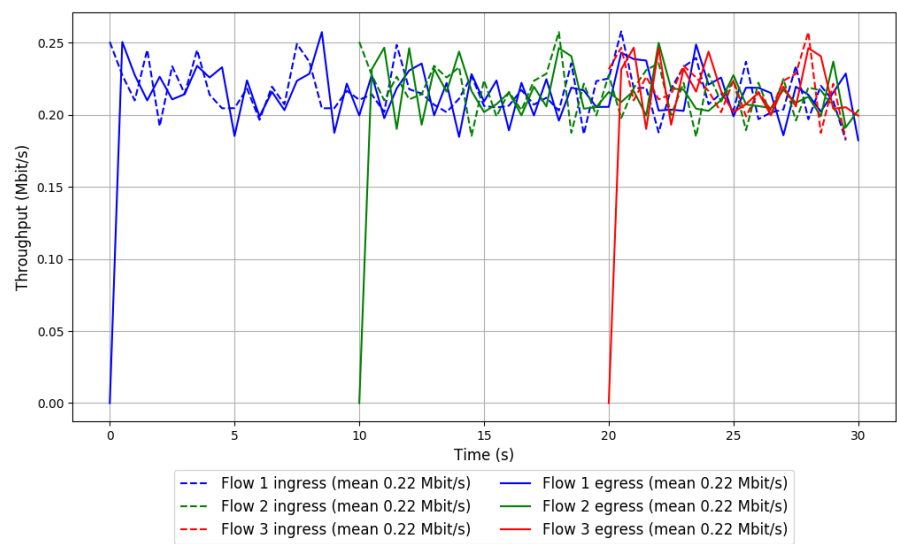


Run 2: Statistics of SReAM

Start at: 2018-06-29 21:30:54  
End at: 2018-06-29 21:31:24  
Local clock offset: 3.413 ms  
Remote clock offset: -2.826 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 19.478 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.460 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.479 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.523 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

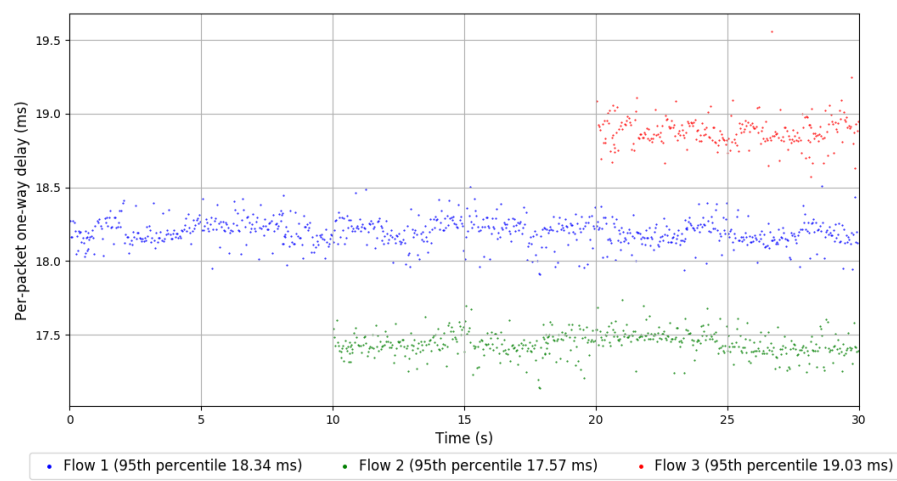
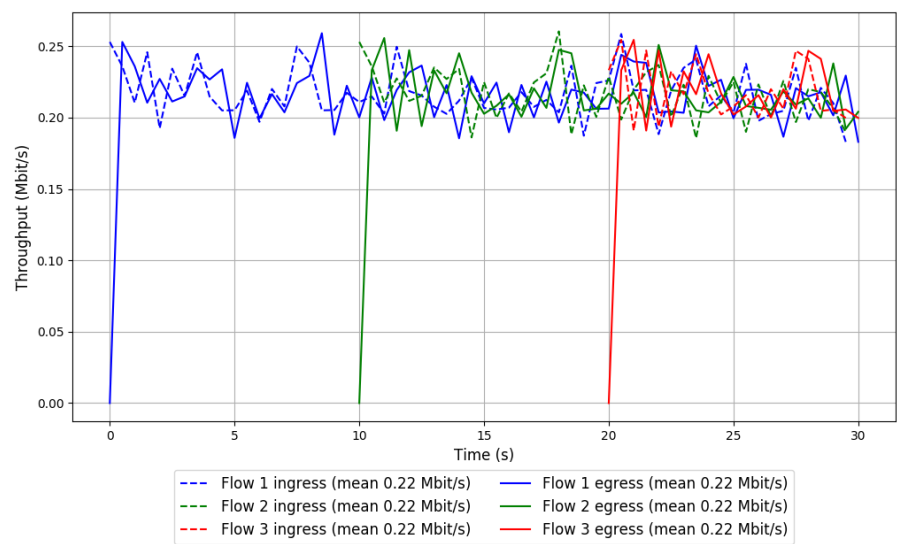


Run 3: Statistics of SReAM

Start at: 2018-06-29 21:57:47  
End at: 2018-06-29 21:58:17  
Local clock offset: 0.883 ms  
Remote clock offset: -5.646 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 18.921 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.341 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 17.575 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.033 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

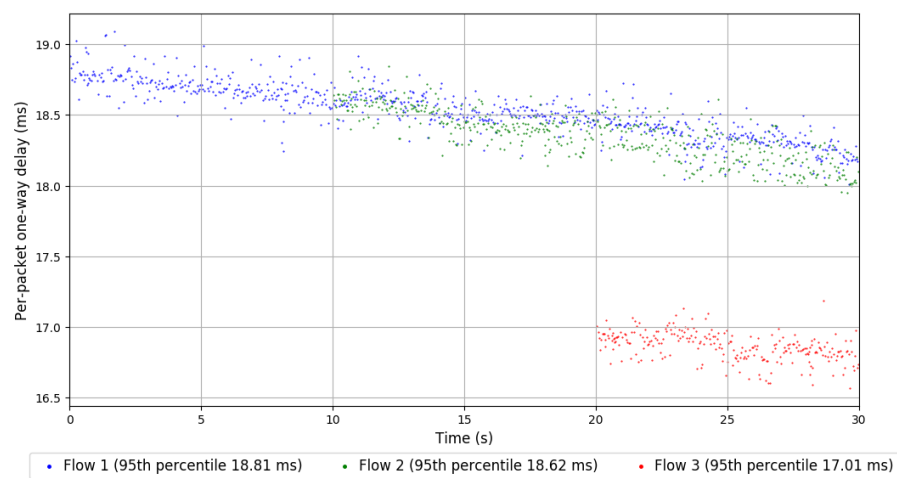
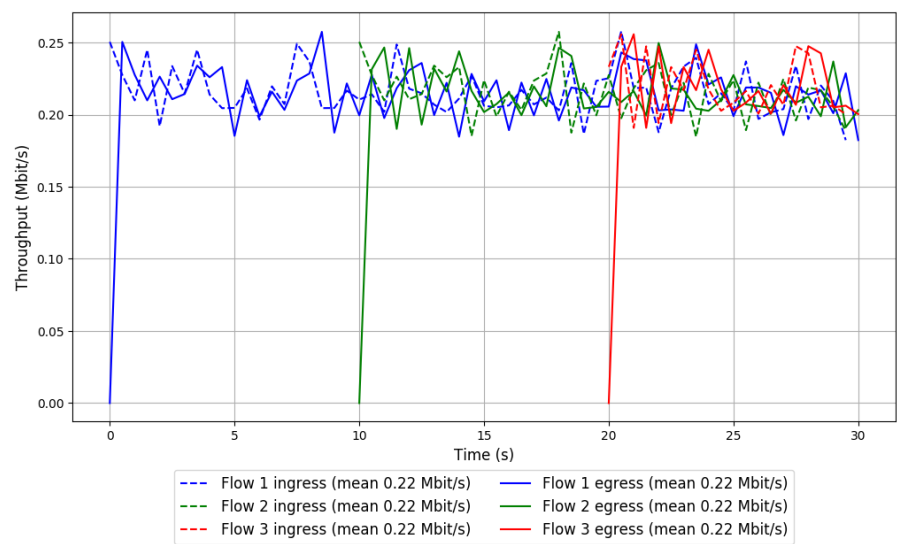


Run 4: Statistics of SReAM

Start at: 2018-06-29 22:24:35  
End at: 2018-06-29 22:25:05  
Local clock offset: 0.008 ms  
Remote clock offset: -7.377 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 18.762 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.808 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.617 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 17.007 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-29 22:51:21

End at: 2018-06-29 22:51:51

Local clock offset: 1.66 ms

Remote clock offset: 5.556 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.216 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.856 ms

Loss rate: 0.00%

-- Flow 3:

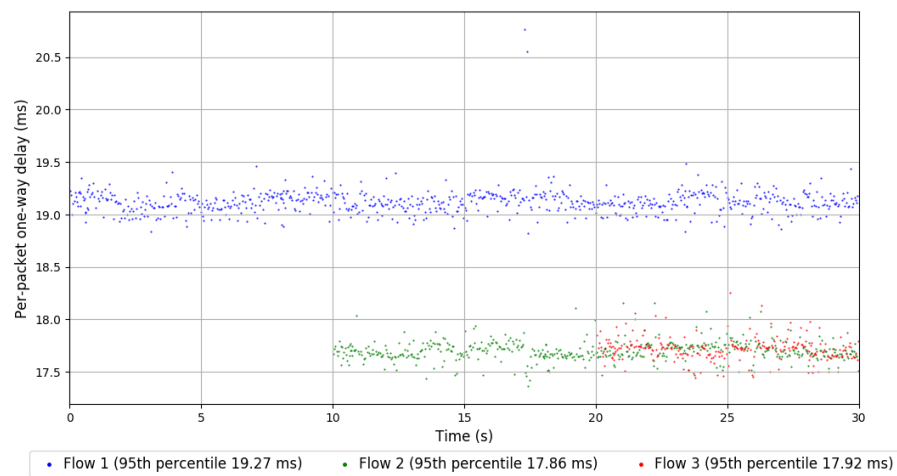
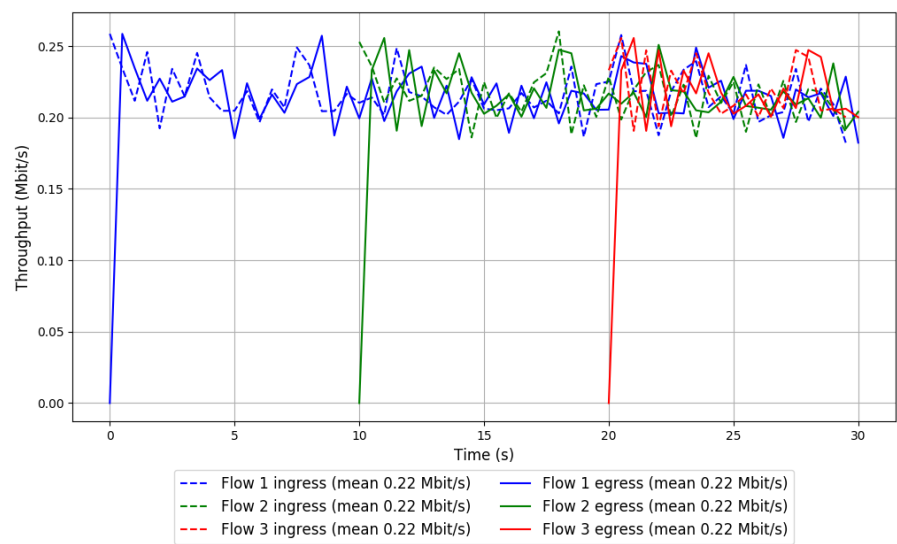
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.916 ms

Loss rate: 0.00%



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-29 23:18:25

End at: 2018-06-29 23:18:55

Local clock offset: 2.961 ms

Remote clock offset: 9.177 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 18.757 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.748 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.628 ms

Loss rate: 0.00%

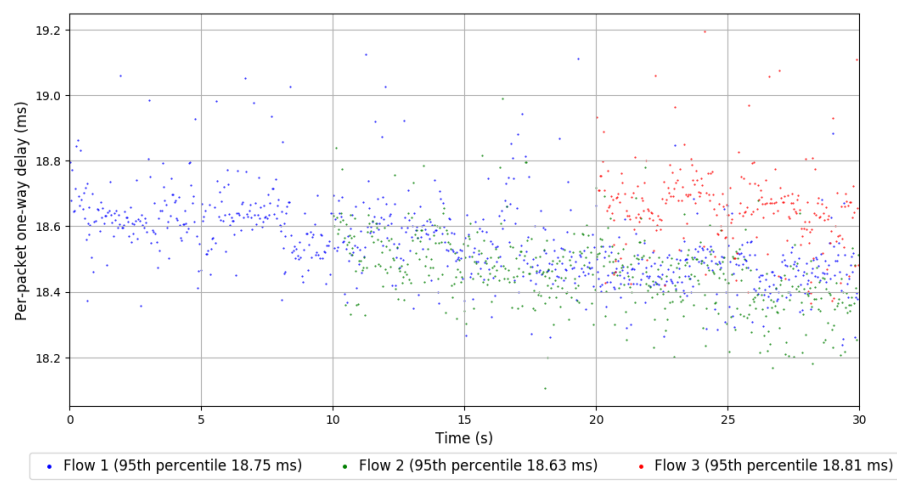
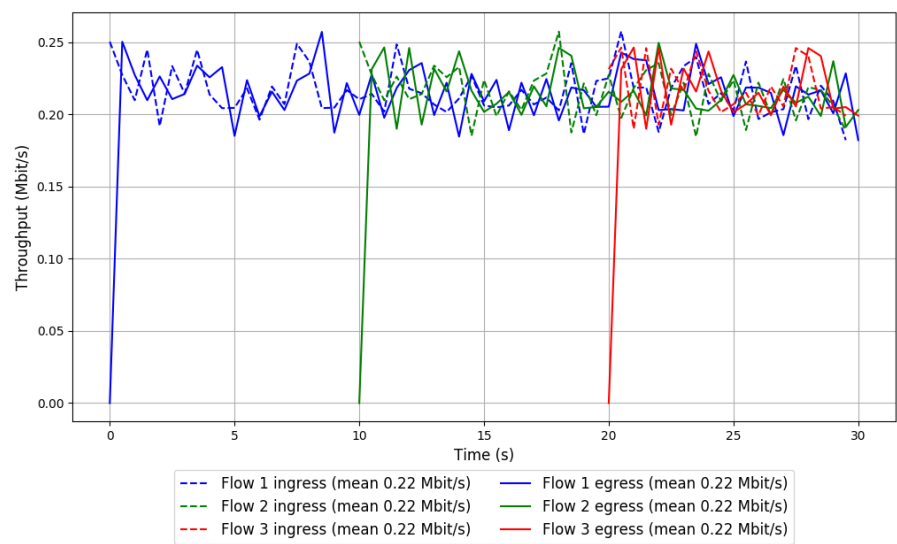
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.808 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

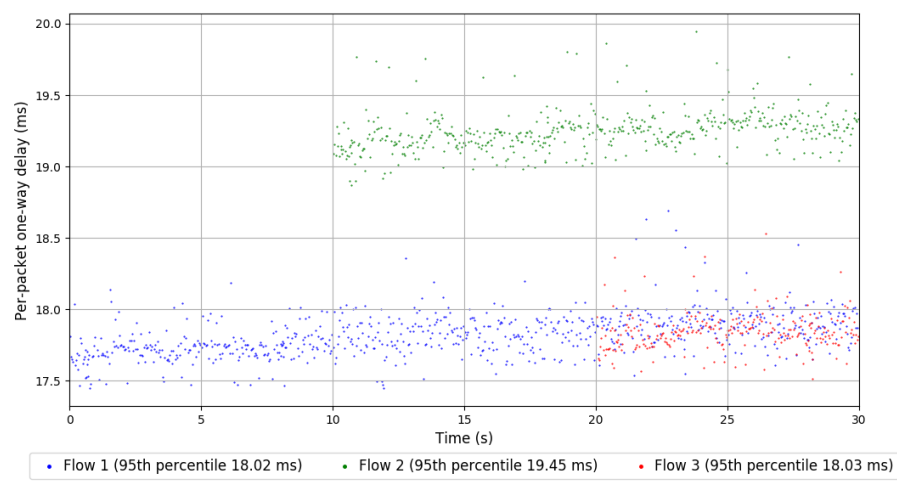
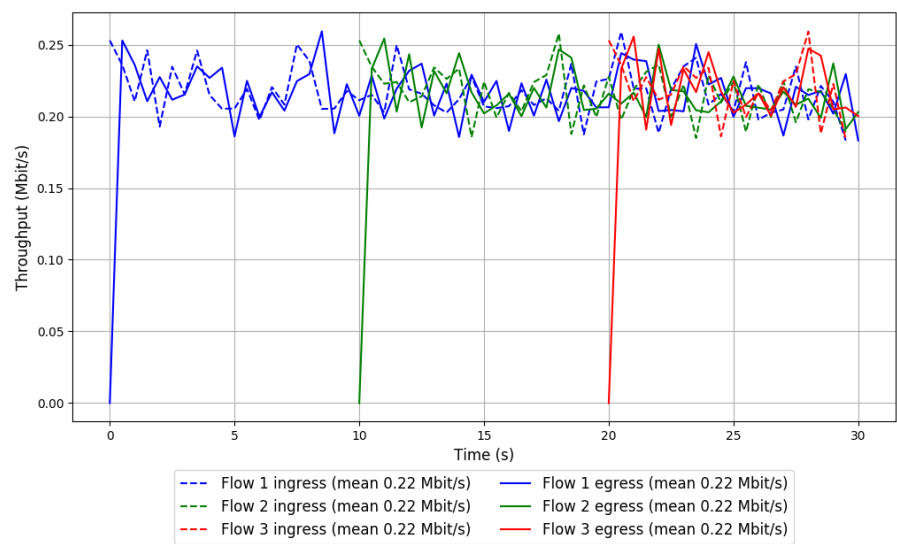


Run 7: Statistics of SReAM

Start at: 2018-06-29 23:45:18  
End at: 2018-06-29 23:45:48  
Local clock offset: -0.577 ms  
Remote clock offset: 1.635 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 19.342 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.022 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.445 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.032 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

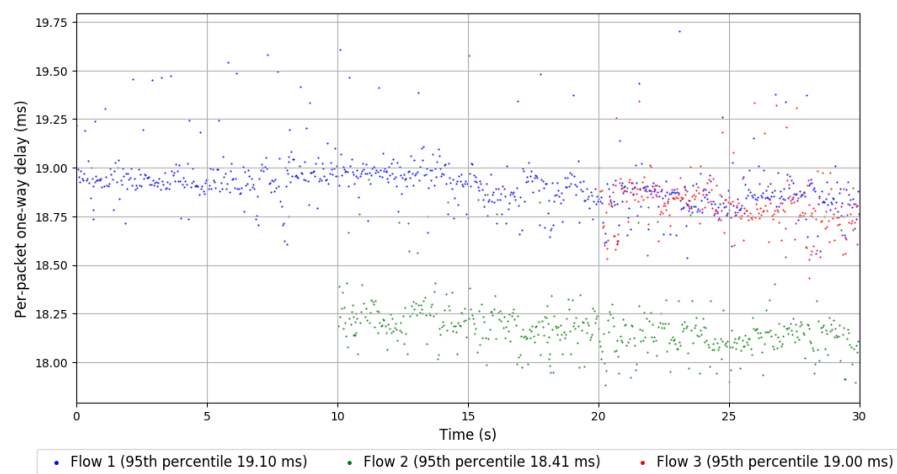
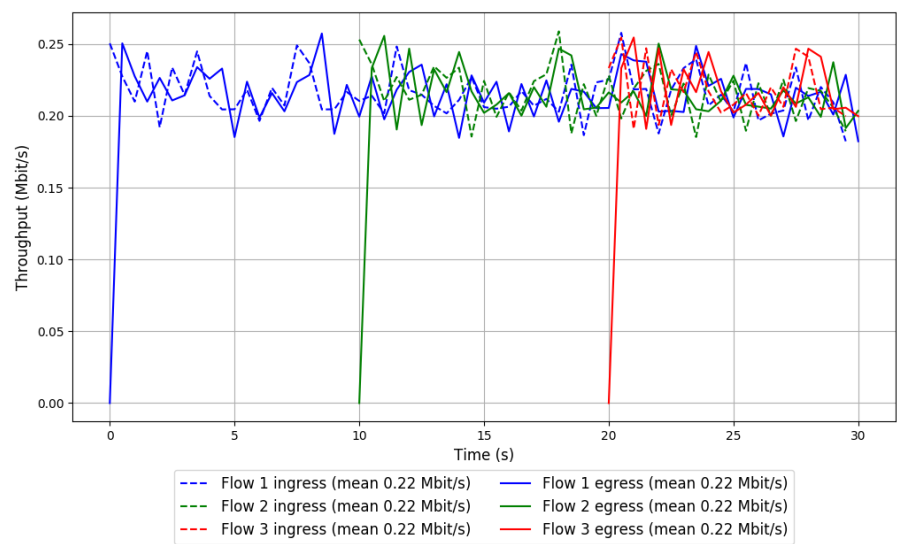


Run 8: Statistics of SReAM

Start at: 2018-06-30 00:12:21  
End at: 2018-06-30 00:12:51  
Local clock offset: -0.128 ms  
Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 19.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 19.102 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.408 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.999 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-30 00:39:14

End at: 2018-06-30 00:39:44

Local clock offset: -0.271 ms

Remote clock offset: 3.893 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.874 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.452 ms

Loss rate: 0.00%

-- Flow 3:

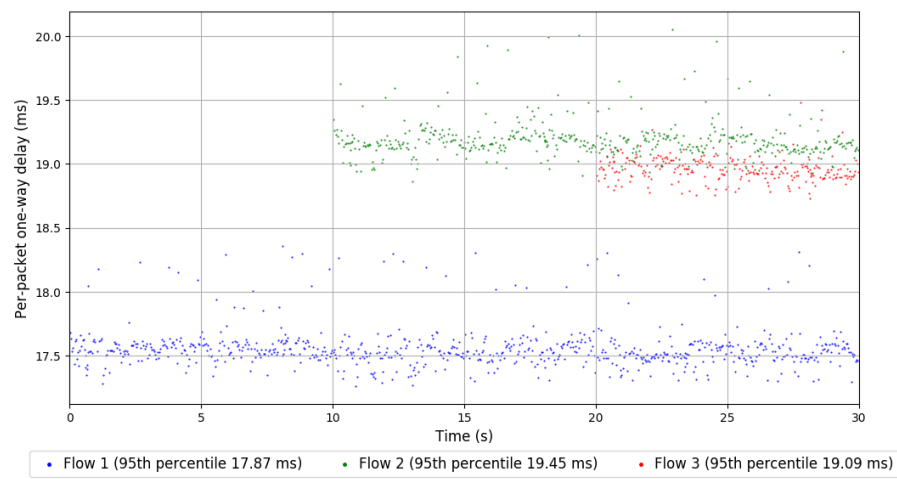
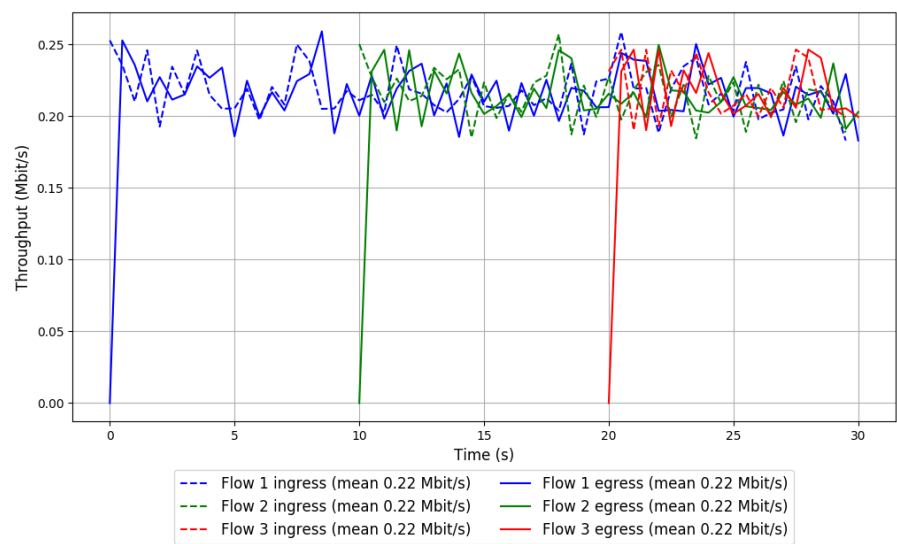
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.089 ms

Loss rate: 0.00%



Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-30 01:06:03

End at: 2018-06-30 01:06:33

Local clock offset: 3.632 ms

Remote clock offset: 3.213 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.260 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.229 ms

Loss rate: 0.00%

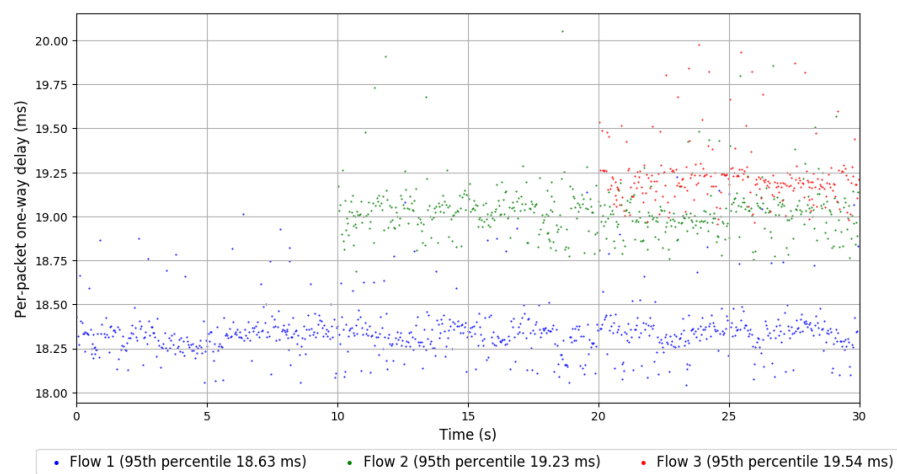
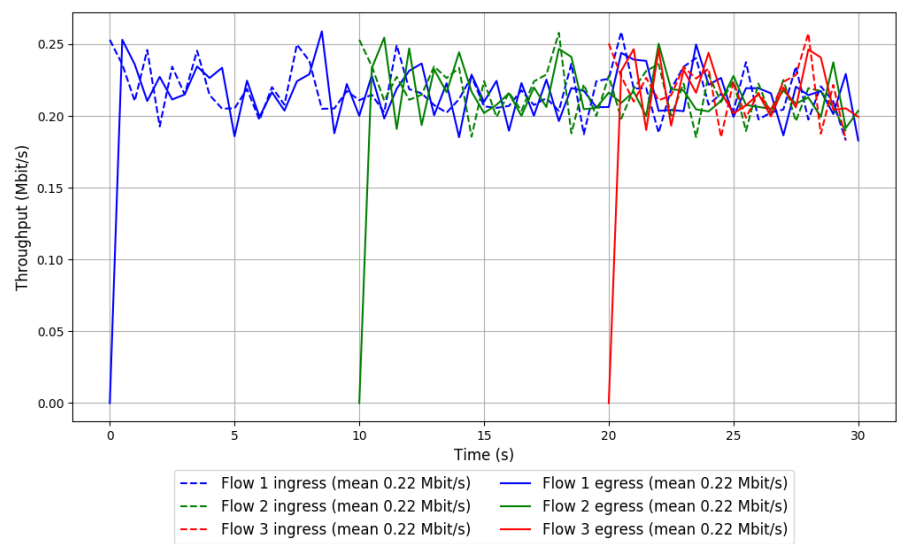
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.537 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

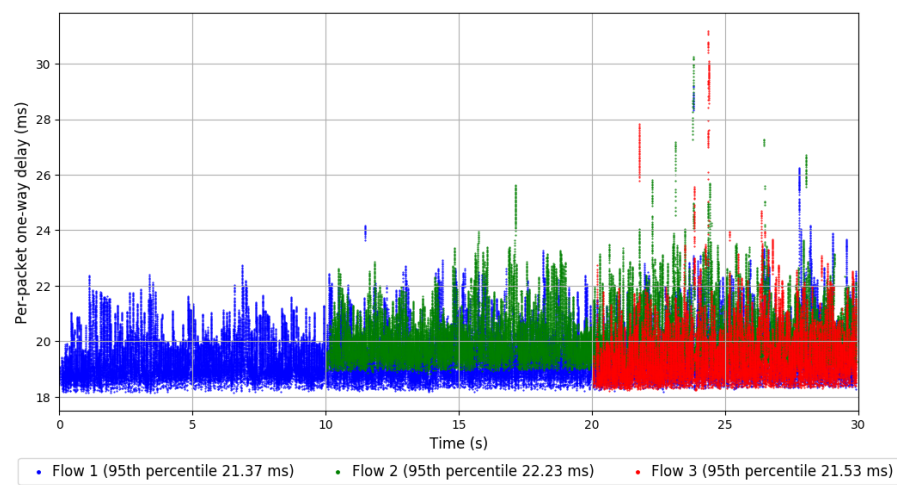
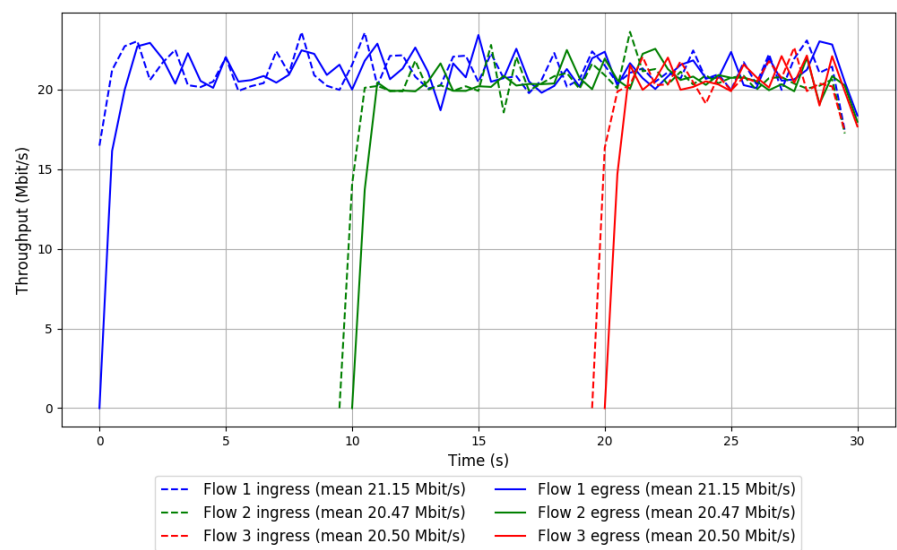


Run 1: Statistics of Sprout

Start at: 2018-06-29 21:22:00  
End at: 2018-06-29 21:22:30  
Local clock offset: 3.621 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 41.55 Mbit/s  
95th percentile per-packet one-way delay: 21.738 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 21.15 Mbit/s  
95th percentile per-packet one-way delay: 21.372 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 20.47 Mbit/s  
95th percentile per-packet one-way delay: 22.231 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 20.50 Mbit/s  
95th percentile per-packet one-way delay: 21.529 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

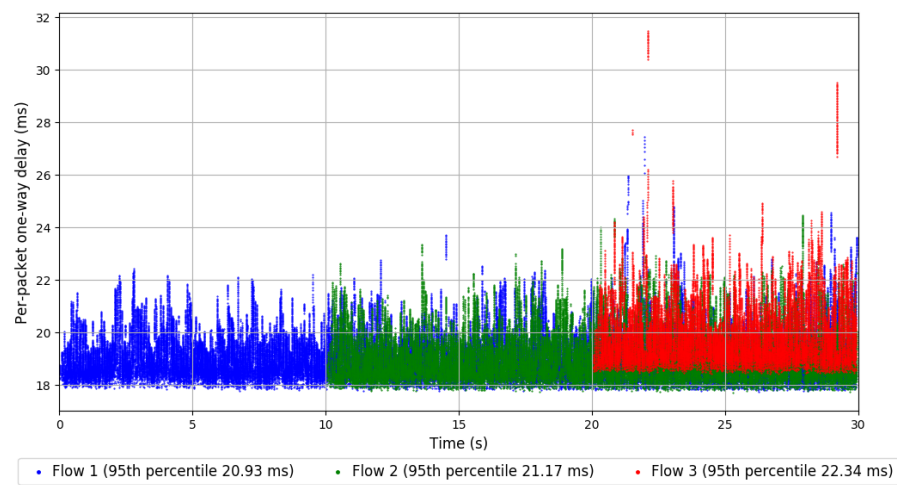
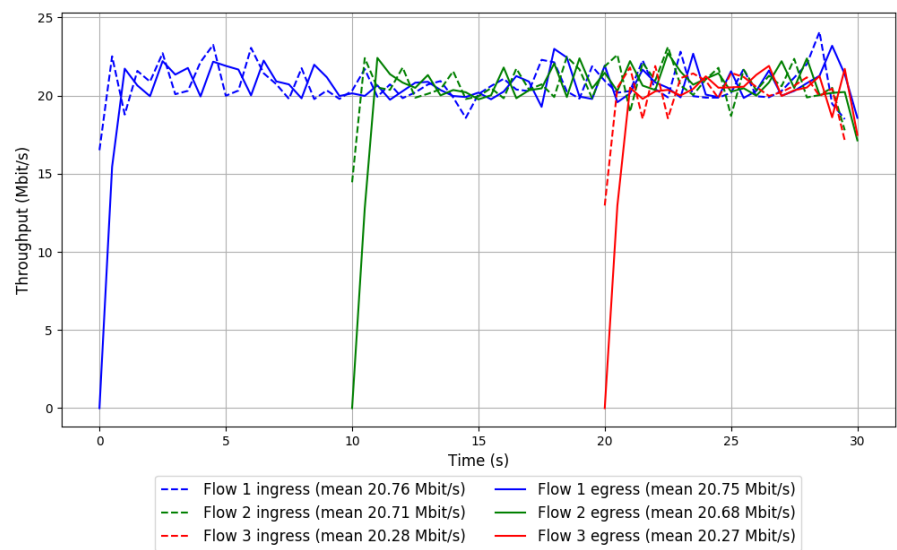


Run 2: Statistics of Sprout

Start at: 2018-06-29 21:48:47  
End at: 2018-06-29 21:49:17  
Local clock offset: 2.56 ms  
Remote clock offset: -4.959 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 41.20 Mbit/s  
95th percentile per-packet one-way delay: 21.338 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 20.75 Mbit/s  
95th percentile per-packet one-way delay: 20.927 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 20.68 Mbit/s  
95th percentile per-packet one-way delay: 21.168 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 20.27 Mbit/s  
95th percentile per-packet one-way delay: 22.342 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



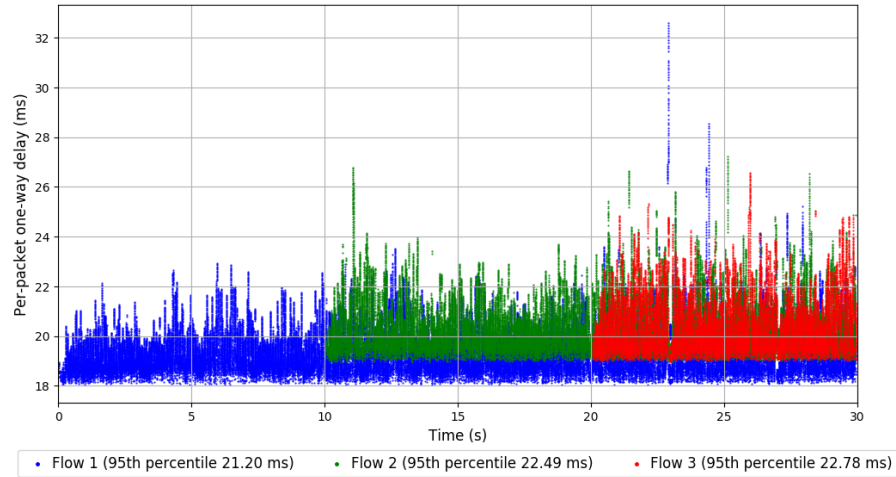
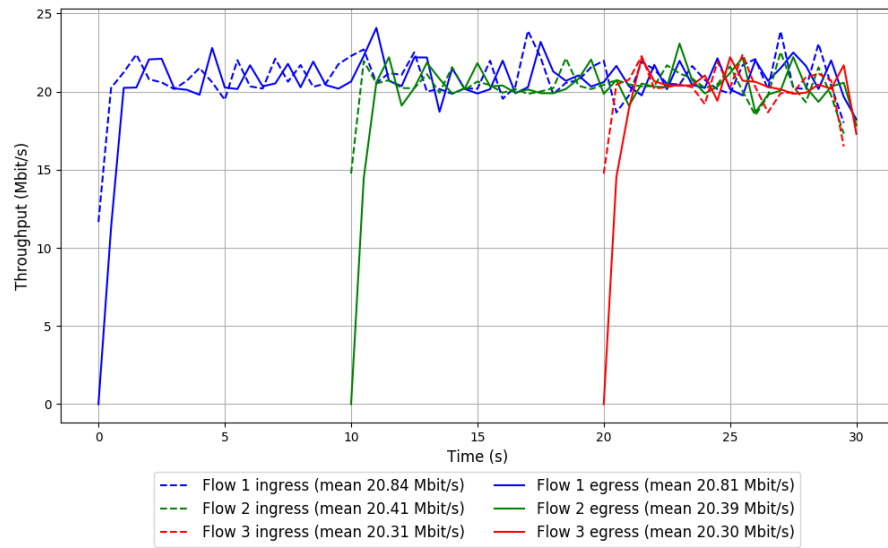
### Run 3: Statistics of Sprout

Start at: 2018-06-29 22:15:32  
End at: 2018-06-29 22:16:02  
Local clock offset: -0.367 ms  
Remote clock offset: -6.852 ms

```
# Below is generated by plot.py at 2018-06-30 03:17:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 22.106 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 21.200 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 22.486 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 22.784 ms
Loss rate: 0.00%
```



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

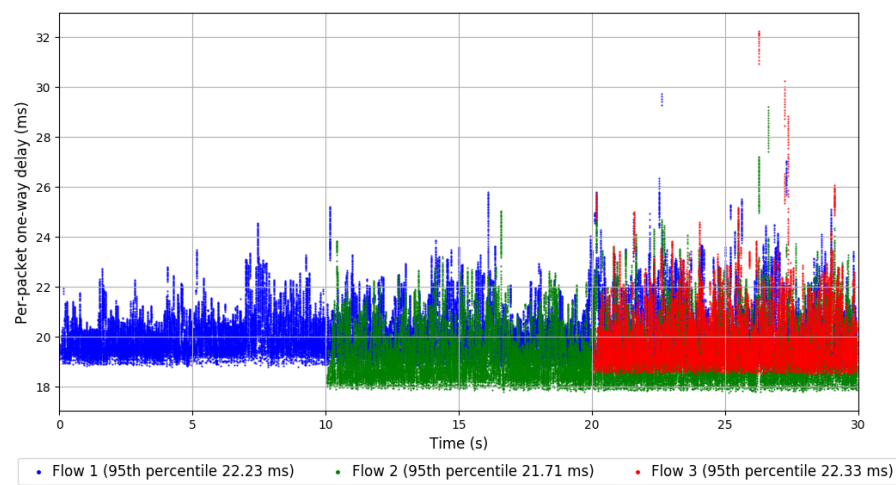
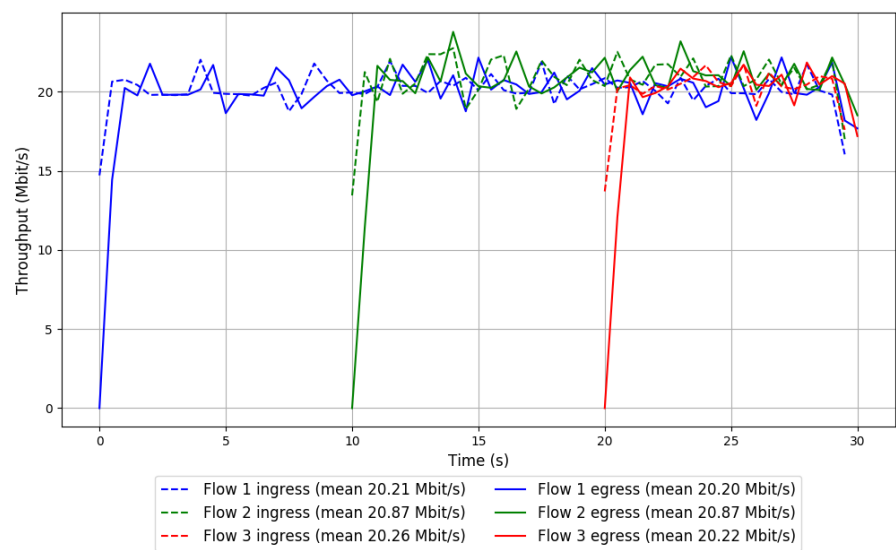


#### Run 4: Statistics of Sprout

Start at: 2018-06-29 22:42:23  
End at: 2018-06-29 22:42:53  
Local clock offset: -0.108 ms  
Remote clock offset: 3.534 ms

```
# Below is generated by plot.py at 2018-06-30 03:17:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 22.104 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 22.233 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 21.707 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 22.331 ms
Loss rate: 0.18%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-29 23:09:14

End at: 2018-06-29 23:09:44

Local clock offset: 3.725 ms

Remote clock offset: 8.106 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 22.255 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.27 Mbit/s

95th percentile per-packet one-way delay: 22.102 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 22.532 ms

Loss rate: 0.00%

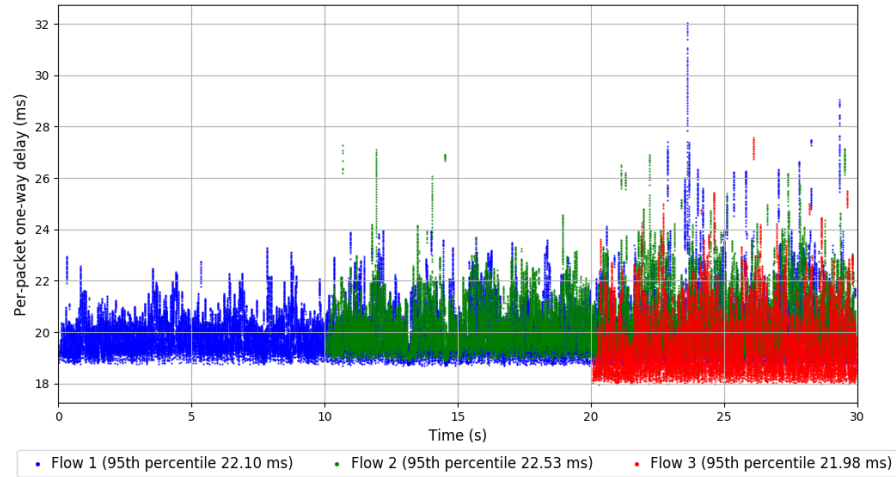
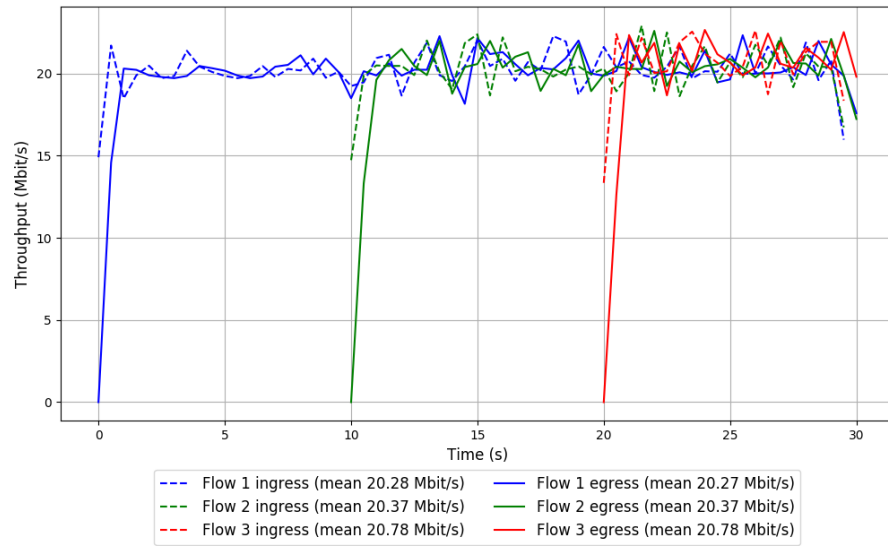
-- Flow 3:

Average throughput: 20.78 Mbit/s

95th percentile per-packet one-way delay: 21.985 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link

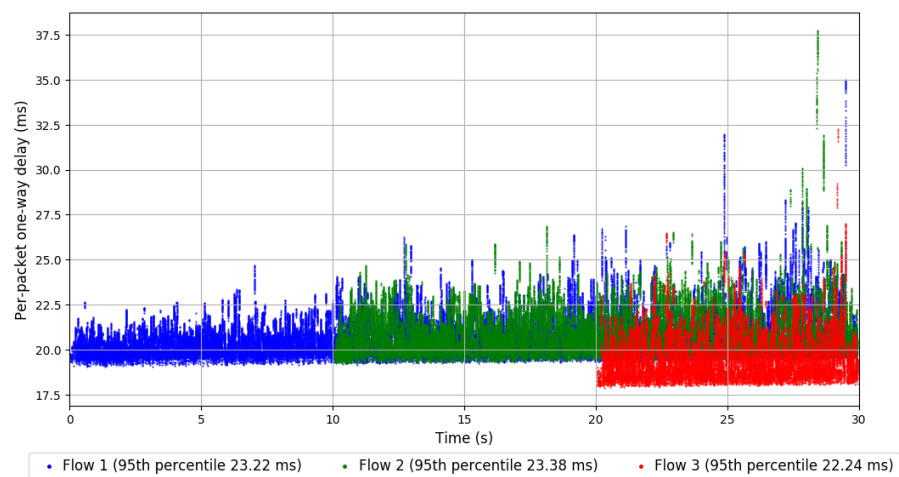
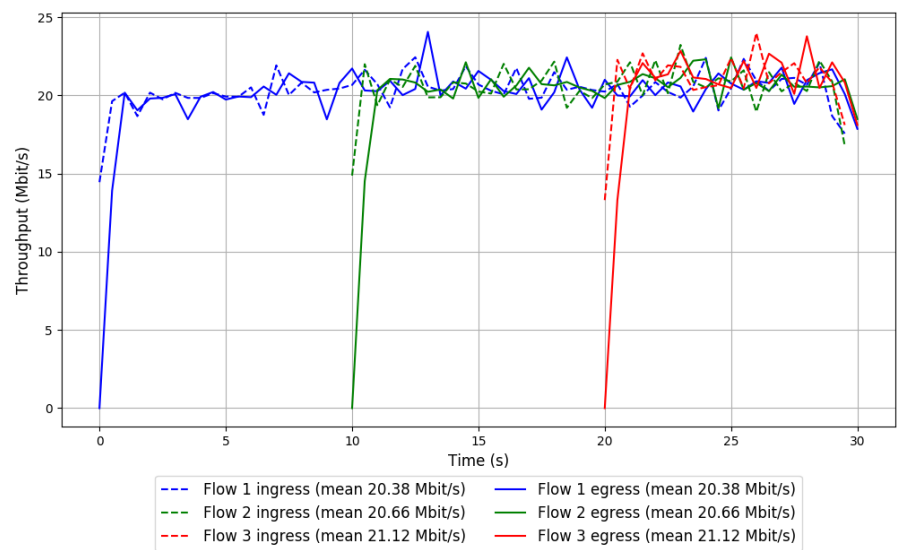


Run 6: Statistics of Sprout

Start at: 2018-06-29 23:36:13  
End at: 2018-06-29 23:36:43  
Local clock offset: -0.222 ms  
Remote clock offset: 7.395 ms

```
# Below is generated by plot.py at 2018-06-30 03:17:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 23.187 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 23.220 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 23.379 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 22.240 ms
Loss rate: 0.03%
```

Run 6: Report of Sprout — Data Link



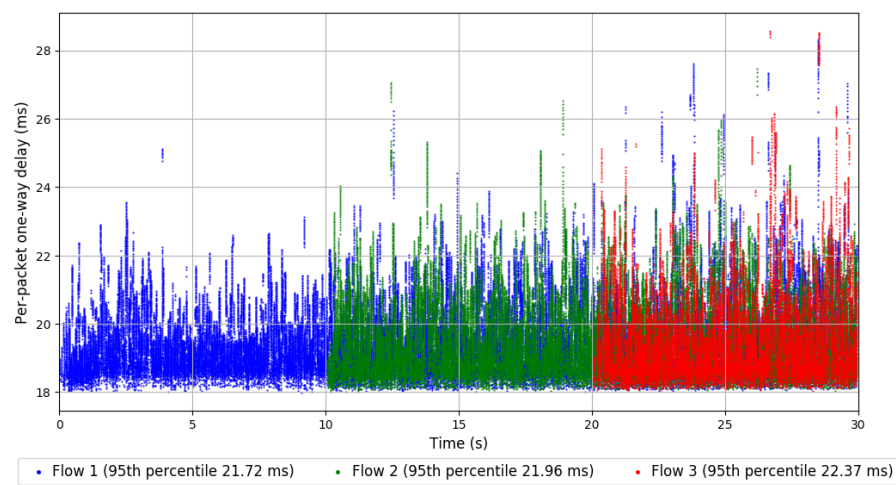
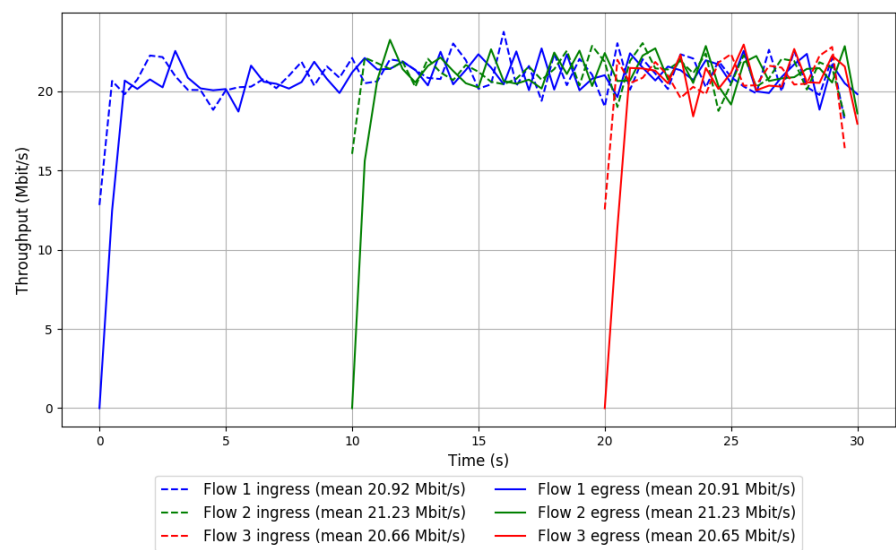
Run 7: Statistics of Sprout

Start at: 2018-06-30 00:03:13  
End at: 2018-06-30 00:03:43  
Local clock offset: -0.063 ms  
Remote clock offset: -2.061 ms

# Below is generated by plot.py at 2018-06-30 03:17:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 41.84 Mbit/s  
95th percentile per-packet one-way delay: 21.912 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 20.91 Mbit/s  
95th percentile per-packet one-way delay: 21.721 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 21.23 Mbit/s  
95th percentile per-packet one-way delay: 21.960 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 20.65 Mbit/s  
95th percentile per-packet one-way delay: 22.367 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link

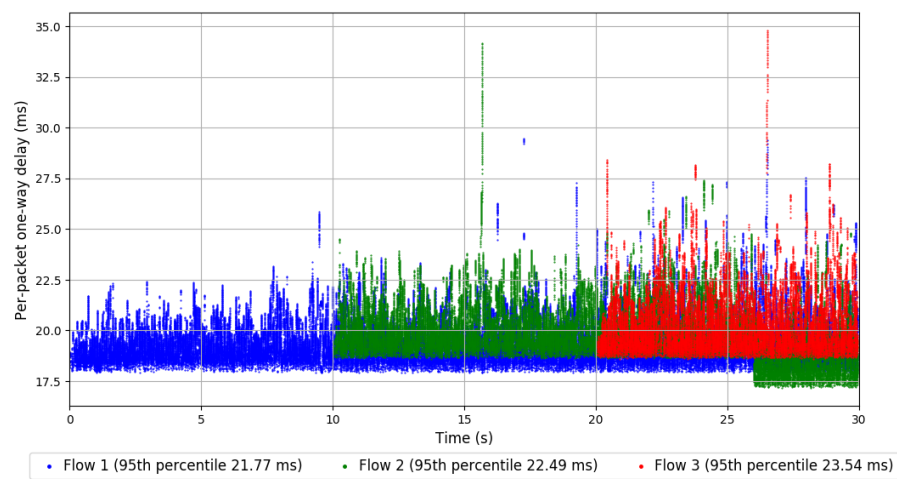
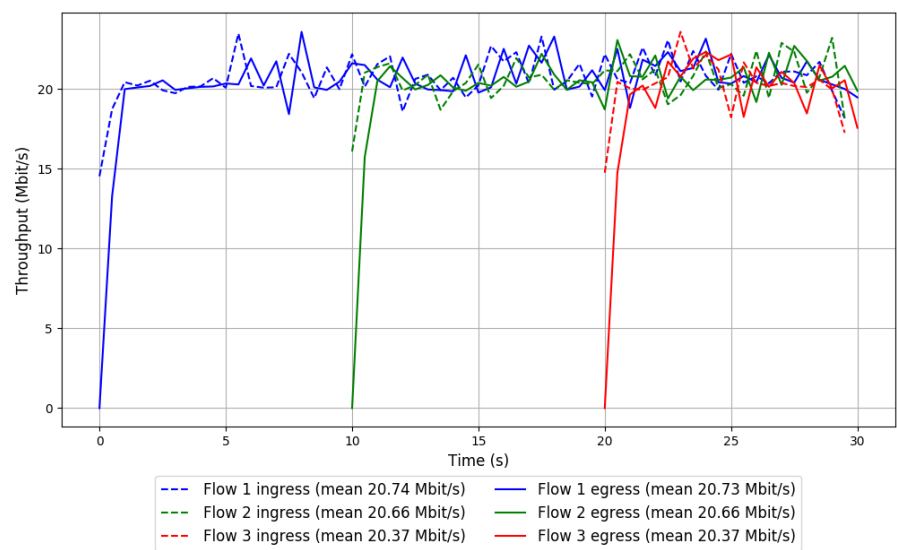


Run 8: Statistics of Sprout

Start at: 2018-06-30 00:30:10  
End at: 2018-06-30 00:30:40  
Local clock offset: -0.158 ms  
Remote clock offset: 3.337 ms

```
# Below is generated by plot.py at 2018-06-30 03:17:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 22.412 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 22.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 23.540 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-30 00:57:02

End at: 2018-06-30 00:57:32

Local clock offset: 2.684 ms

Remote clock offset: 3.212 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.41 Mbit/s

95th percentile per-packet one-way delay: 22.690 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.60 Mbit/s

95th percentile per-packet one-way delay: 22.889 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 21.934 ms

Loss rate: 0.00%

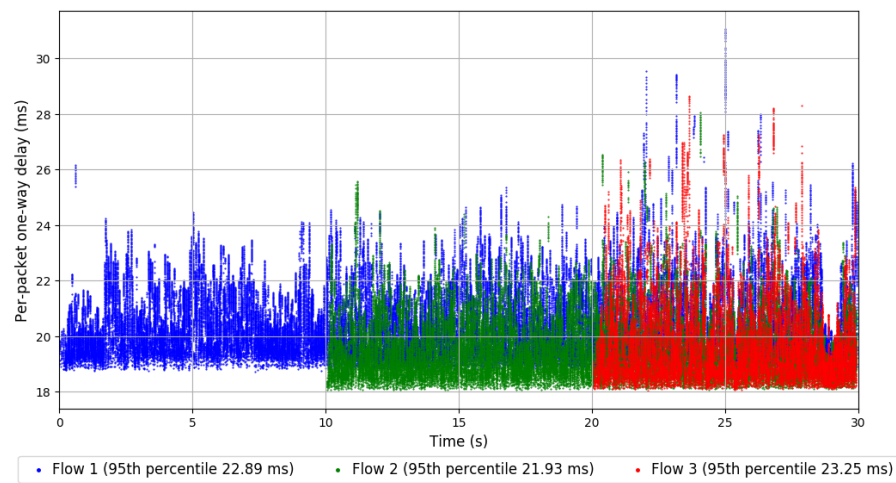
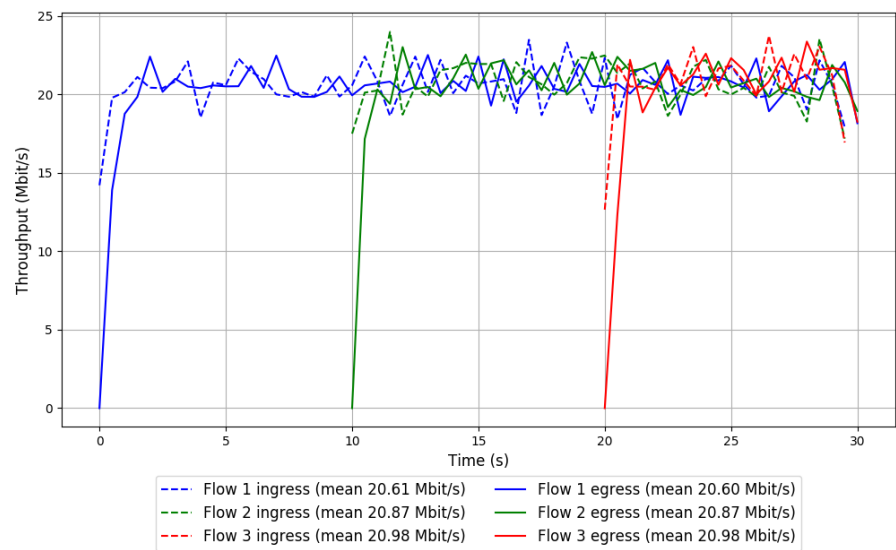
-- Flow 3:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 23.248 ms

Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-30 01:23:58

End at: 2018-06-30 01:24:28

Local clock offset: 3.641 ms

Remote clock offset: 0.934 ms

# Below is generated by plot.py at 2018-06-30 03:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.81 Mbit/s

95th percentile per-packet one-way delay: 21.737 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 21.315 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 22.133 ms

Loss rate: 0.00%

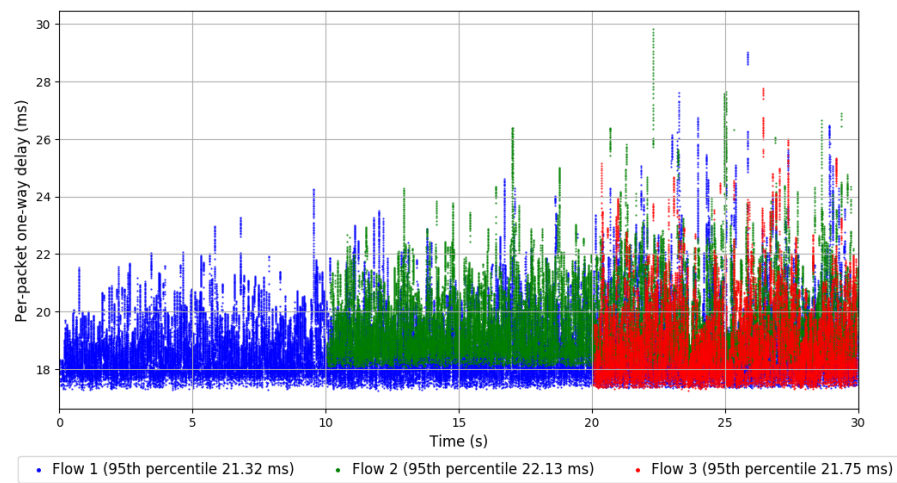
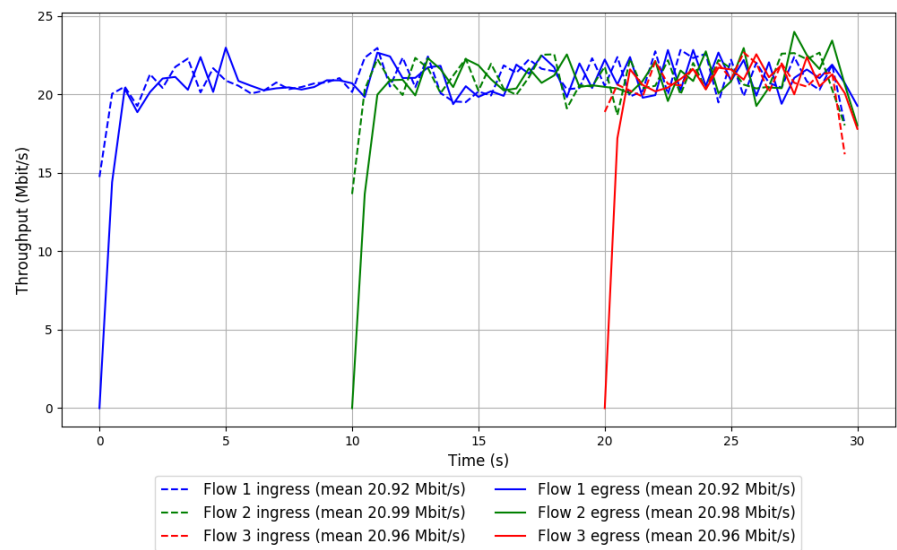
-- Flow 3:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 21.748 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



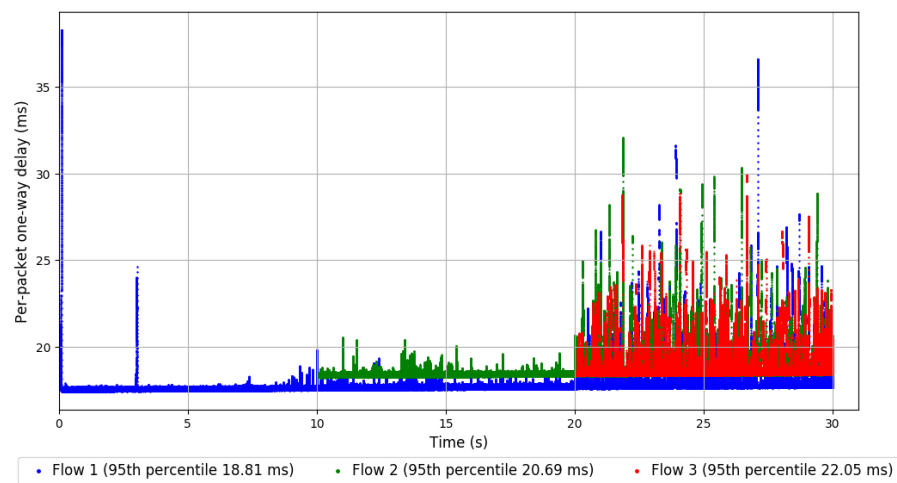
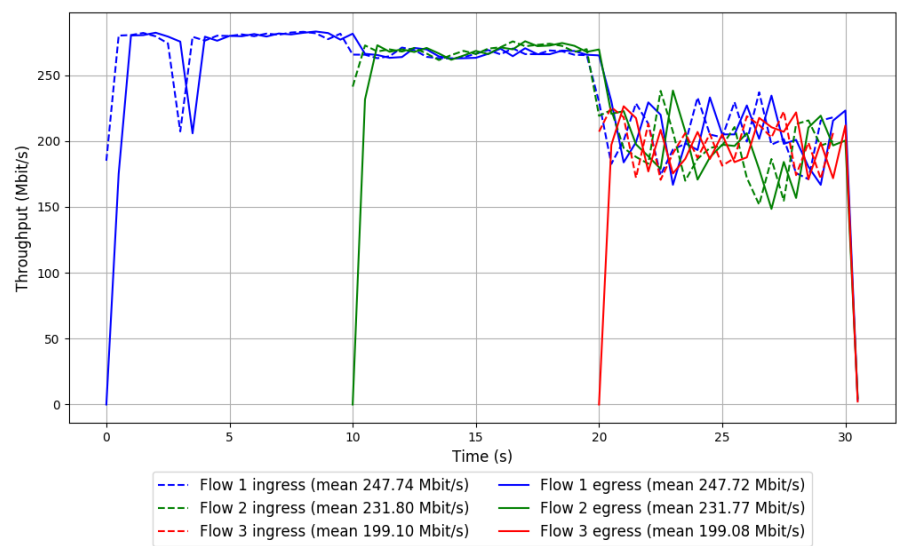
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 21:20:13
End at: 2018-06-29 21:20:43
Local clock offset: 3.71 ms
Remote clock offset: 0.975 ms

# Below is generated by plot.py at 2018-06-30 03:21:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.34 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 247.72 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 231.77 Mbit/s
95th percentile per-packet one-way delay: 20.686 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 199.08 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.01%
```



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

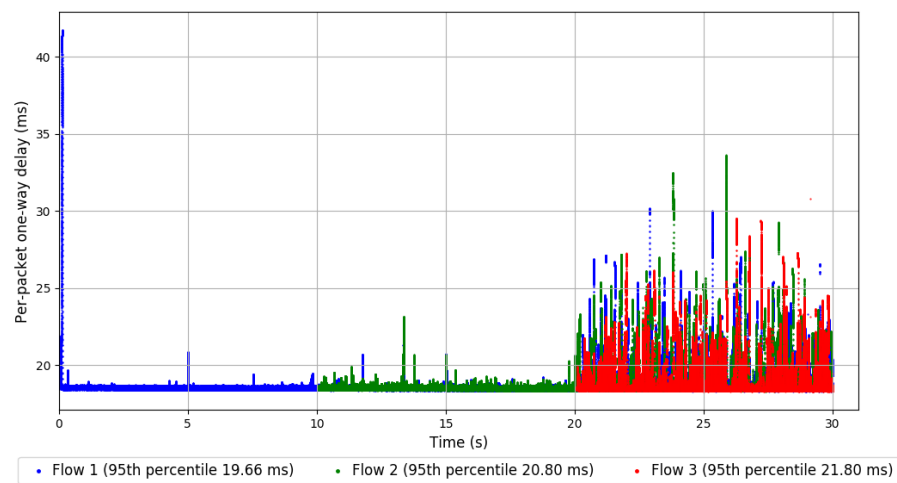
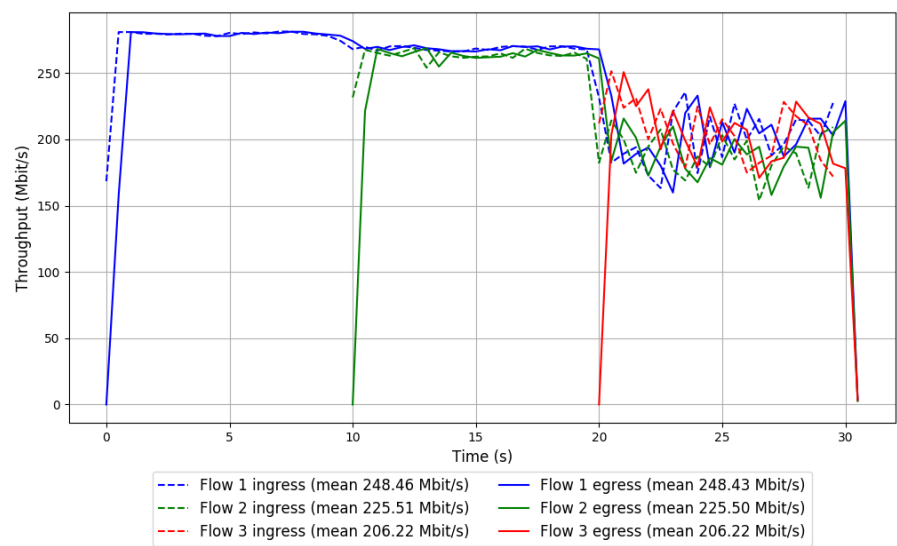


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 21:47:01  
End at: 2018-06-29 21:47:31  
Local clock offset: 3.132 ms  
Remote clock offset: -4.838 ms

# Below is generated by plot.py at 2018-06-30 03:22:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 467.21 Mbit/s  
95th percentile per-packet one-way delay: 20.519 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 248.43 Mbit/s  
95th percentile per-packet one-way delay: 19.659 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 225.50 Mbit/s  
95th percentile per-packet one-way delay: 20.799 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 206.22 Mbit/s  
95th percentile per-packet one-way delay: 21.805 ms  
Loss rate: 0.03%

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

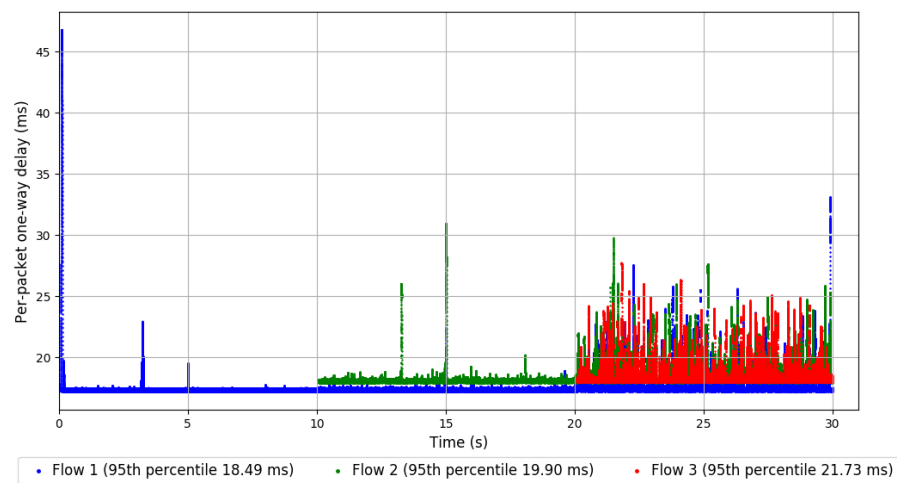
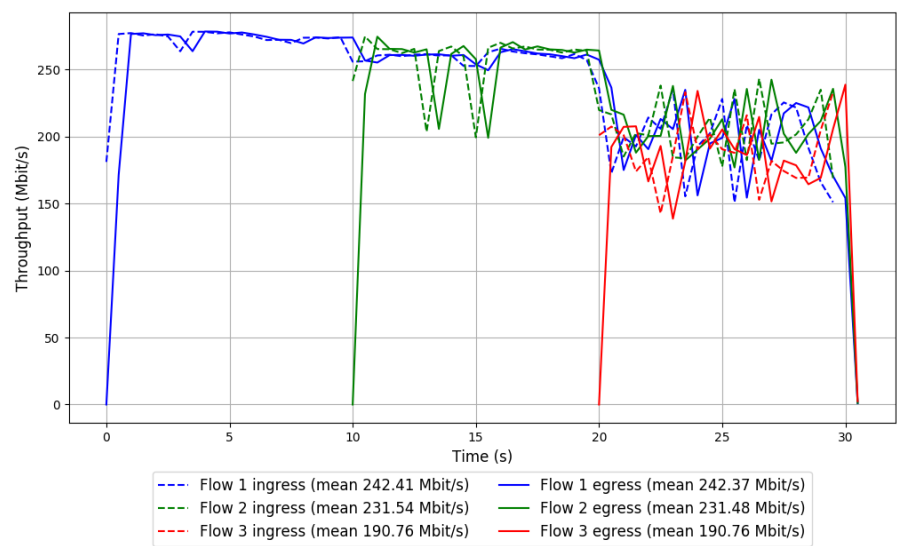


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 22:13:46  
End at: 2018-06-29 22:14:16  
Local clock offset: -0.212 ms  
Remote clock offset: -6.645 ms

# Below is generated by plot.py at 2018-06-30 03:22:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 459.93 Mbit/s  
95th percentile per-packet one-way delay: 19.672 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 242.37 Mbit/s  
95th percentile per-packet one-way delay: 18.489 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 231.48 Mbit/s  
95th percentile per-packet one-way delay: 19.898 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 190.76 Mbit/s  
95th percentile per-packet one-way delay: 21.731 ms  
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 22:40:38

End at: 2018-06-29 22:41:08

Local clock offset: -0.005 ms

Remote clock offset: 3.146 ms

# Below is generated by plot.py at 2018-06-30 03:22:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 446.18 Mbit/s

95th percentile per-packet one-way delay: 20.848 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 228.49 Mbit/s

95th percentile per-packet one-way delay: 19.797 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 231.18 Mbit/s

95th percentile per-packet one-way delay: 20.733 ms

Loss rate: 0.04%

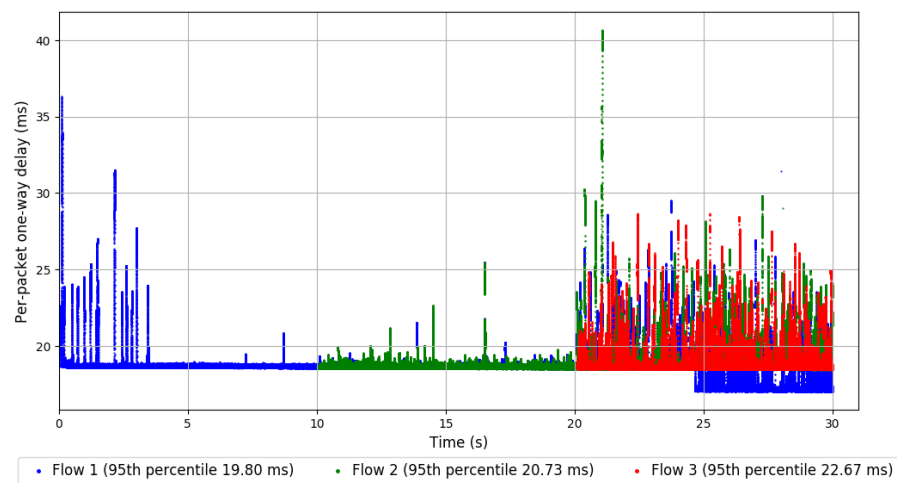
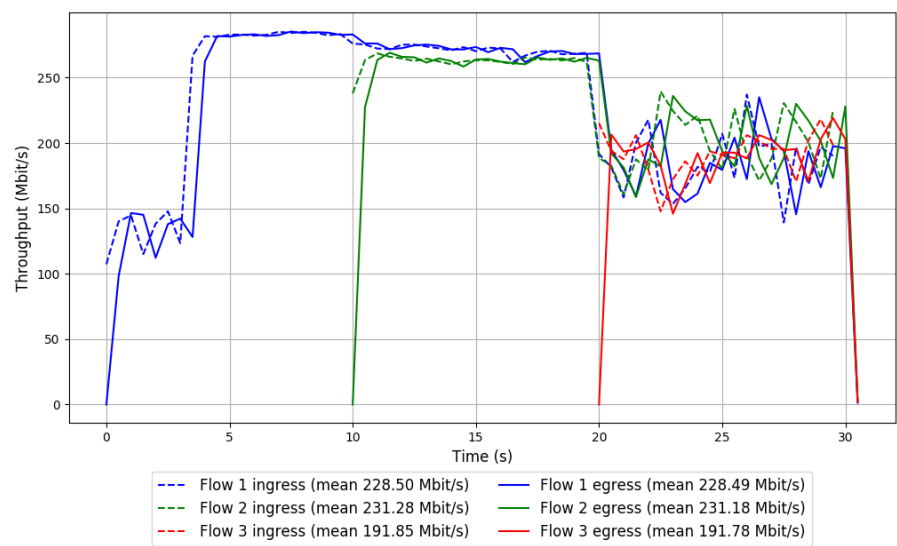
-- Flow 3:

Average throughput: 191.78 Mbit/s

95th percentile per-packet one-way delay: 22.666 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 23:07:28

End at: 2018-06-29 23:07:58

Local clock offset: 3.631 ms

Remote clock offset: 7.807 ms

# Below is generated by plot.py at 2018-06-30 03:23:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 454.78 Mbit/s

95th percentile per-packet one-way delay: 19.880 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 236.82 Mbit/s

95th percentile per-packet one-way delay: 18.522 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 231.54 Mbit/s

95th percentile per-packet one-way delay: 20.024 ms

Loss rate: 0.01%

-- Flow 3:

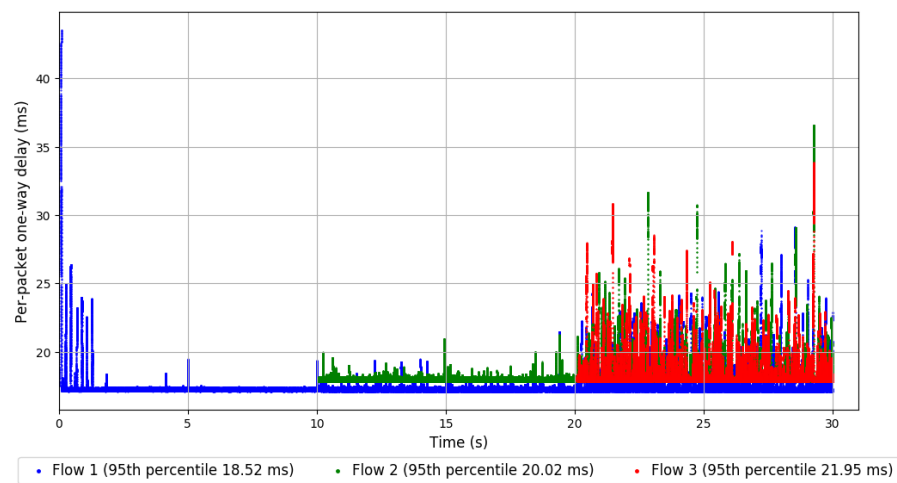
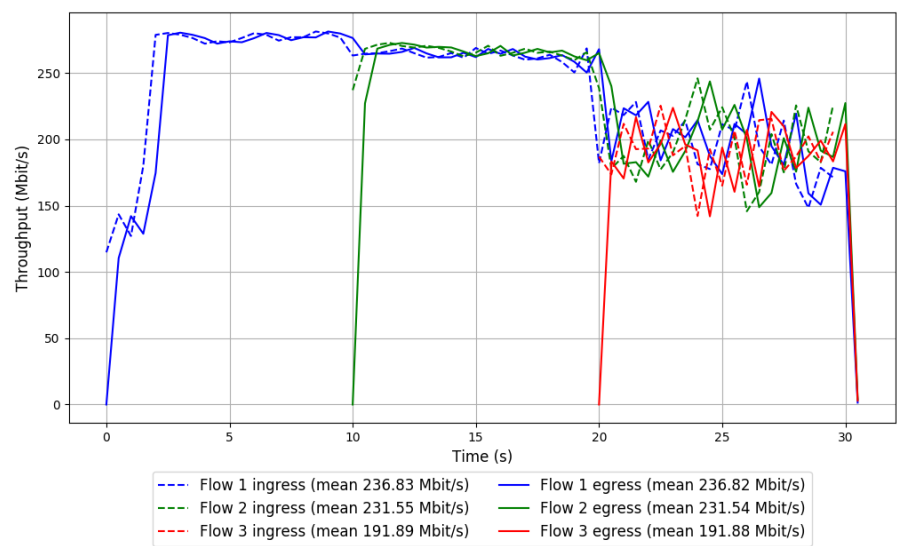
Average throughput: 191.88 Mbit/s

95th percentile per-packet one-way delay: 21.952 ms

Loss rate: 0.01%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 23:34:27

End at: 2018-06-29 23:34:57

Local clock offset: -0.022 ms

Remote clock offset: 9.08 ms

# Below is generated by plot.py at 2018-06-30 03:23:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 456.17 Mbit/s

95th percentile per-packet one-way delay: 21.908 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 238.84 Mbit/s

95th percentile per-packet one-way delay: 21.478 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 223.59 Mbit/s

95th percentile per-packet one-way delay: 22.024 ms

Loss rate: 0.04%

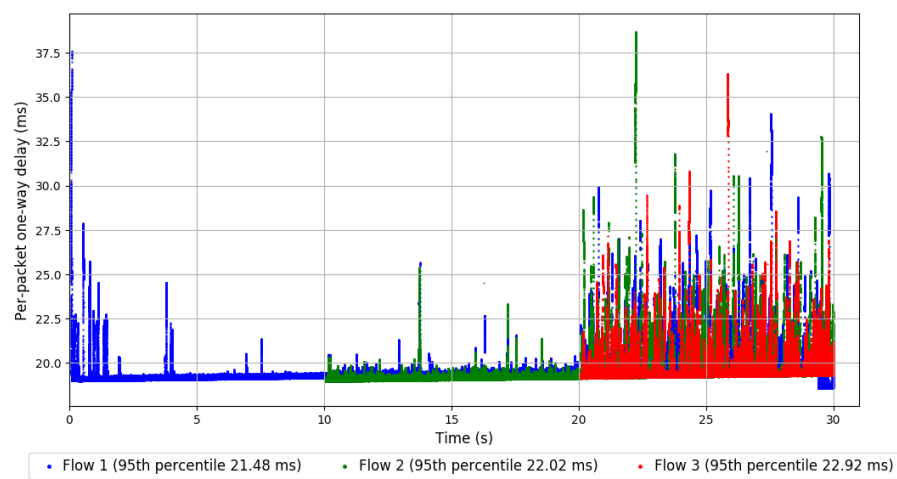
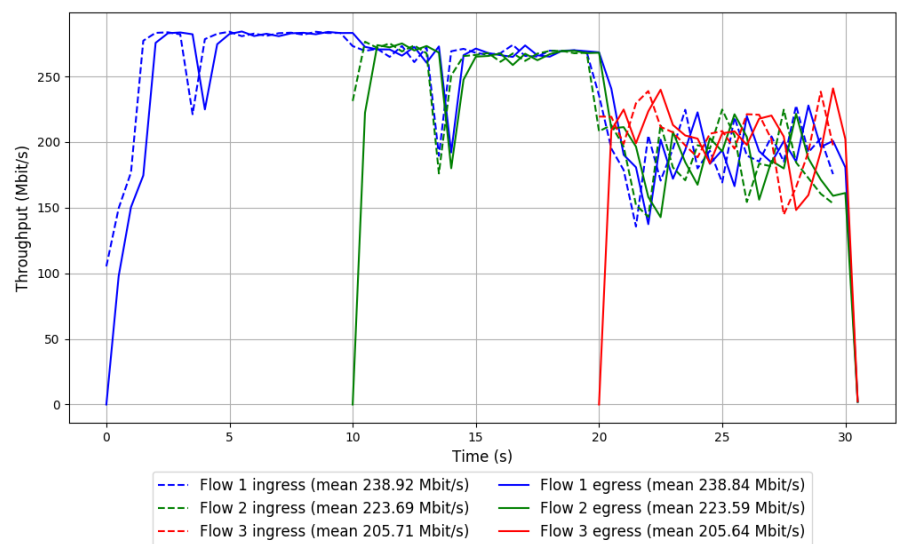
-- Flow 3:

Average throughput: 205.64 Mbit/s

95th percentile per-packet one-way delay: 22.924 ms

Loss rate: 0.04%

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

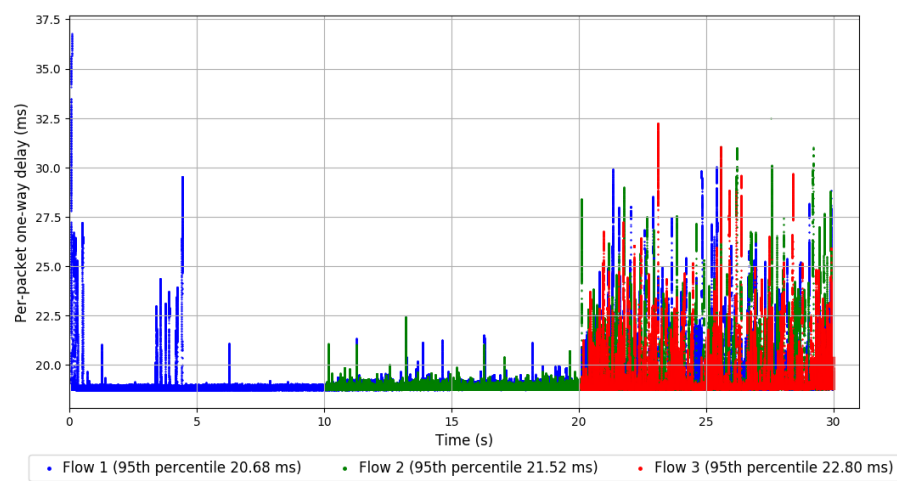
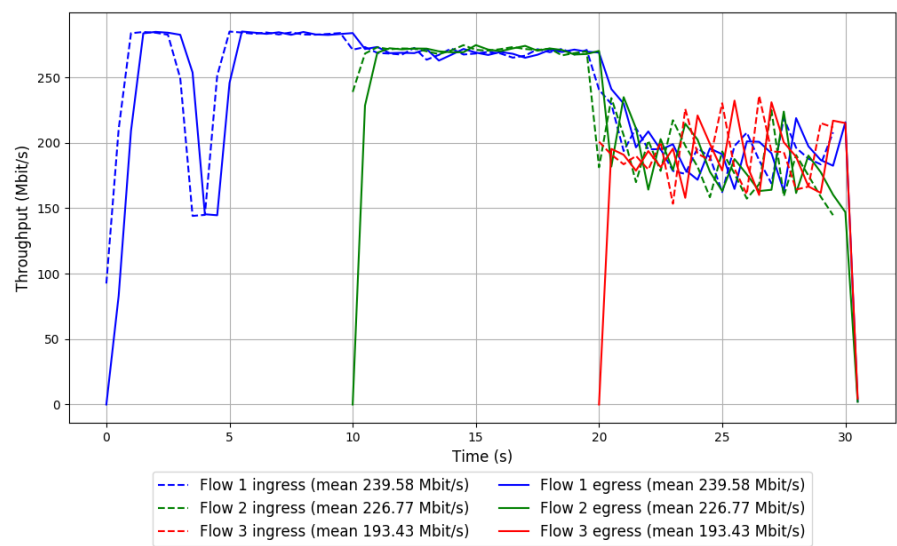


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 00:01:27  
End at: 2018-06-30 00:01:57  
Local clock offset: -0.166 ms  
Remote clock offset: -1.906 ms

# Below is generated by plot.py at 2018-06-30 03:26:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 454.90 Mbit/s  
95th percentile per-packet one-way delay: 21.380 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 239.58 Mbit/s  
95th percentile per-packet one-way delay: 20.676 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 226.77 Mbit/s  
95th percentile per-packet one-way delay: 21.515 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 193.43 Mbit/s  
95th percentile per-packet one-way delay: 22.799 ms  
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 00:28:24

End at: 2018-06-30 00:28:54

Local clock offset: -0.158 ms

Remote clock offset: 3.149 ms

# Below is generated by plot.py at 2018-06-30 03:28:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 456.42 Mbit/s

95th percentile per-packet one-way delay: 20.965 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.84 Mbit/s

95th percentile per-packet one-way delay: 20.266 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 223.85 Mbit/s

95th percentile per-packet one-way delay: 20.473 ms

Loss rate: 0.00%

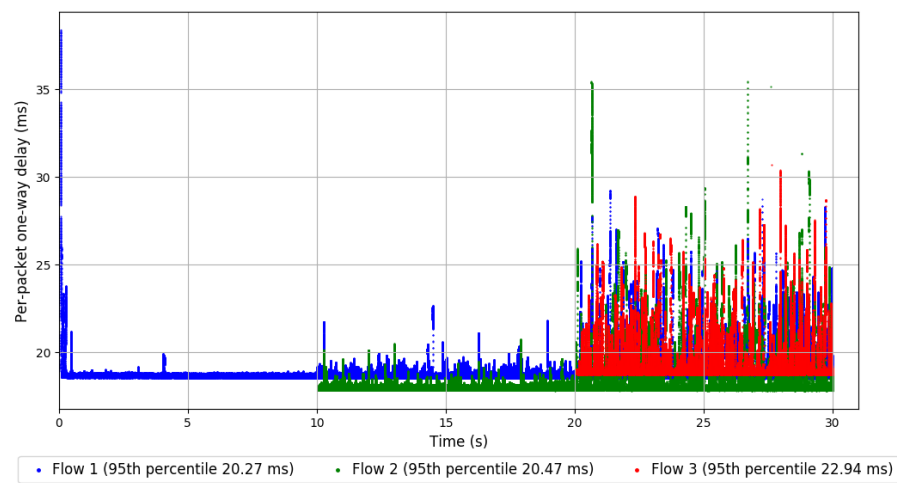
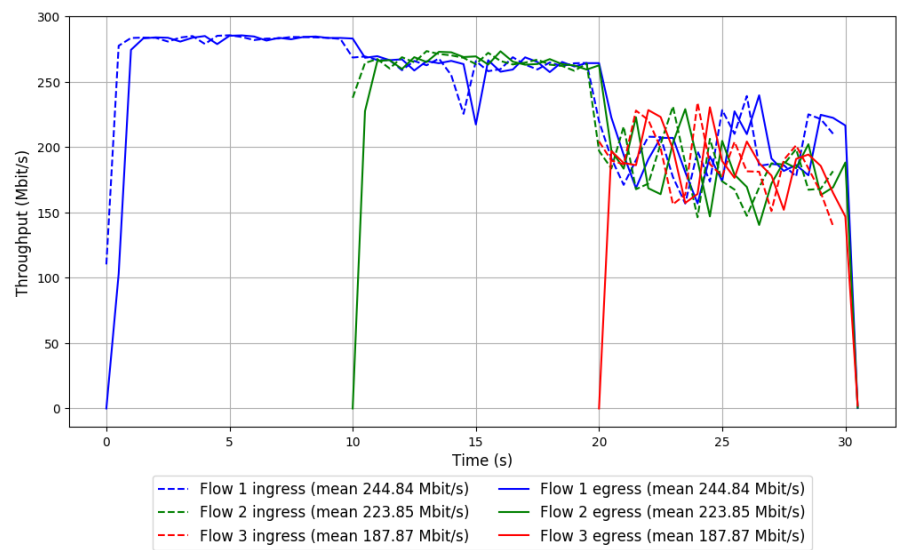
-- Flow 3:

Average throughput: 187.87 Mbit/s

95th percentile per-packet one-way delay: 22.937 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 00:55:17

End at: 2018-06-30 00:55:47

Local clock offset: 2.399 ms

Remote clock offset: 3.248 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 454.56 Mbit/s

95th percentile per-packet one-way delay: 21.370 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 240.21 Mbit/s

95th percentile per-packet one-way delay: 20.881 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 226.41 Mbit/s

95th percentile per-packet one-way delay: 21.526 ms

Loss rate: 0.01%

-- Flow 3:

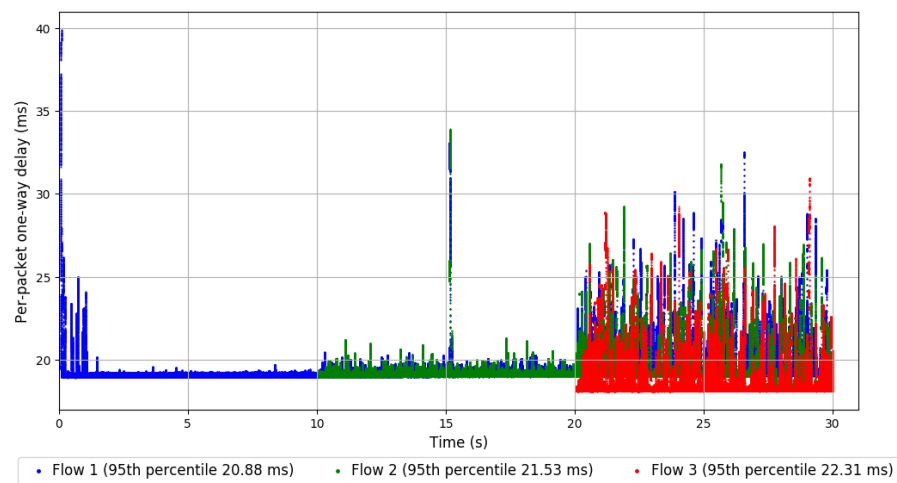
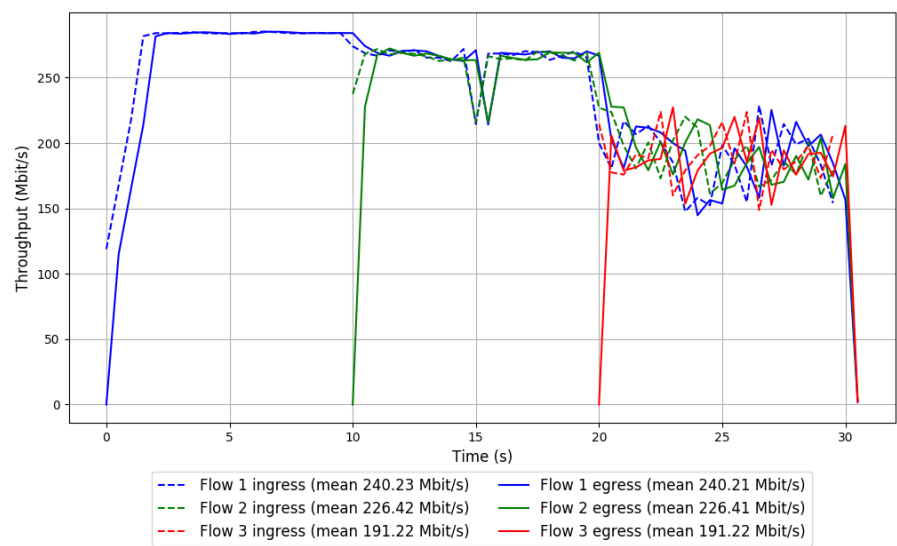
Average throughput: 191.22 Mbit/s

95th percentile per-packet one-way delay: 22.313 ms

Loss rate: 0.00%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 01:22:12

End at: 2018-06-30 01:22:42

Local clock offset: 3.617 ms

Remote clock offset: 1.267 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 444.14 Mbit/s

95th percentile per-packet one-way delay: 21.172 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 231.86 Mbit/s

95th percentile per-packet one-way delay: 20.827 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 228.31 Mbit/s

95th percentile per-packet one-way delay: 21.333 ms

Loss rate: 0.00%

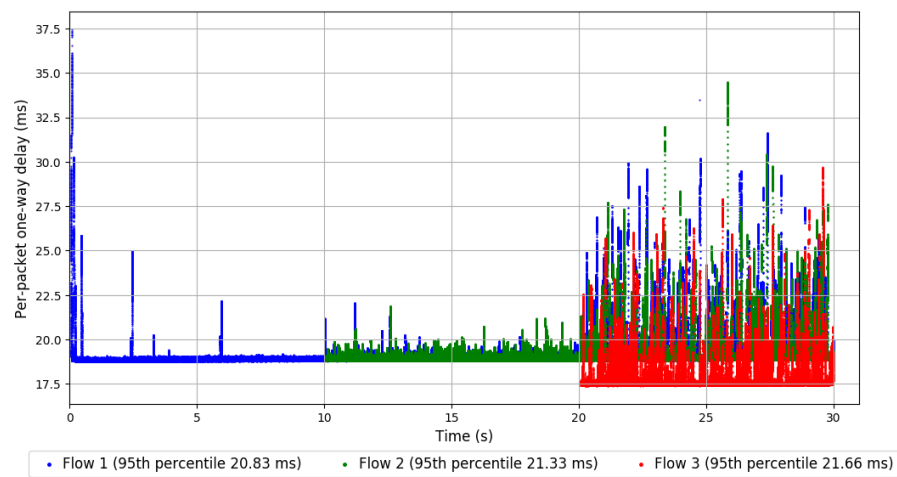
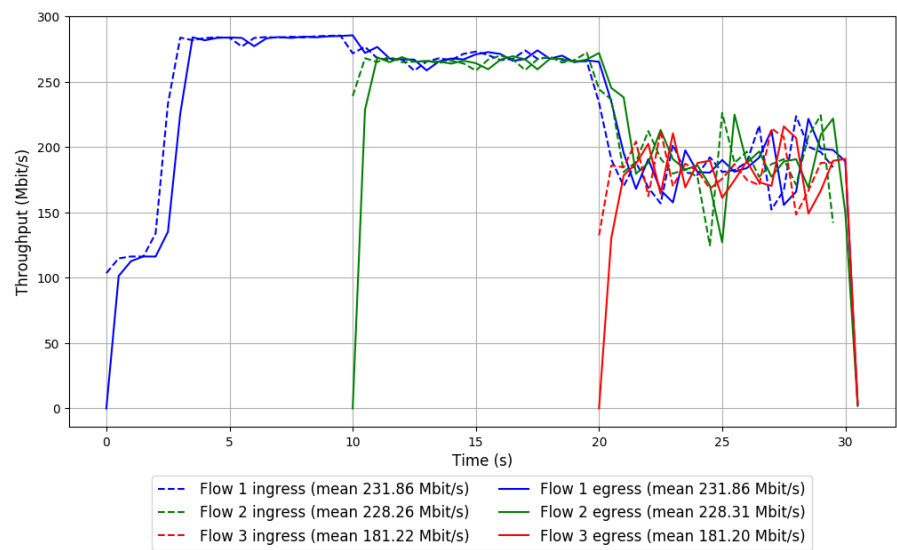
-- Flow 3:

Average throughput: 181.20 Mbit/s

95th percentile per-packet one-way delay: 21.656 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 20:59:39

End at: 2018-06-29 21:00:09

Local clock offset: 2.926 ms

Remote clock offset: 3.182 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 159.40 Mbit/s

95th percentile per-packet one-way delay: 22.541 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 23.492 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 101.22 Mbit/s

95th percentile per-packet one-way delay: 22.176 ms

Loss rate: 0.02%

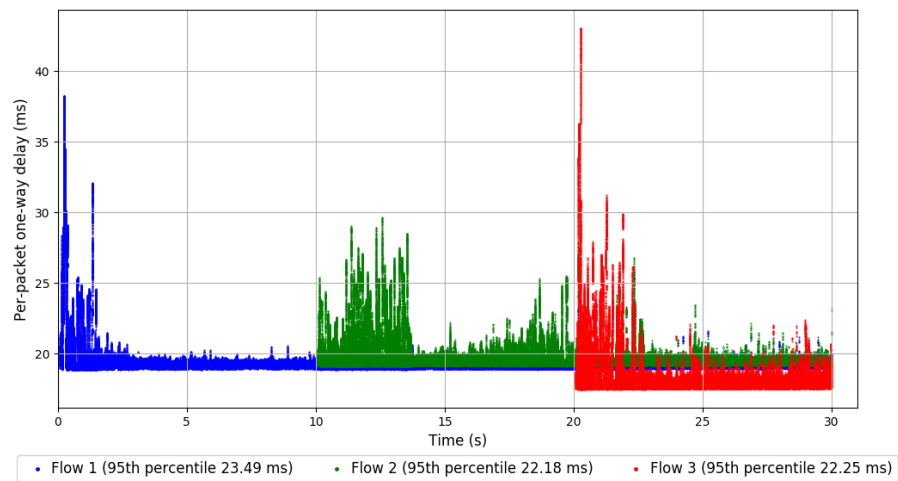
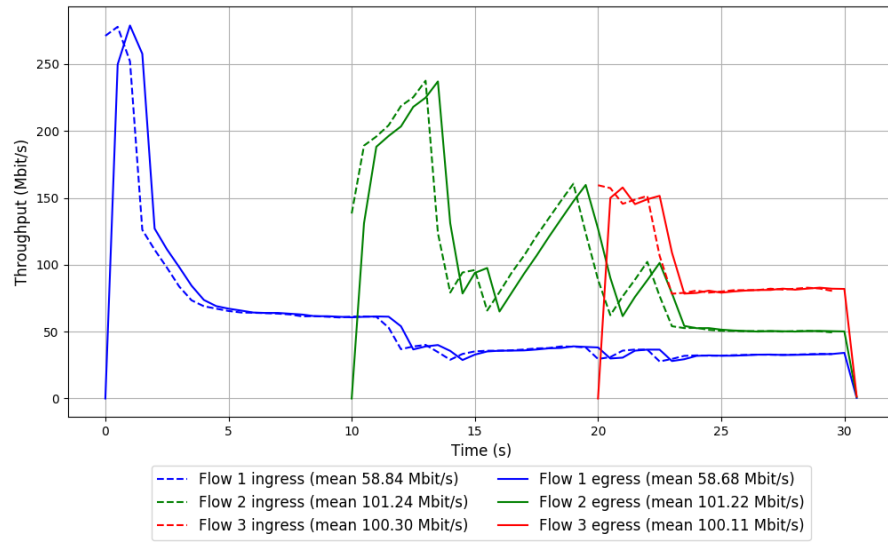
-- Flow 3:

Average throughput: 100.11 Mbit/s

95th percentile per-packet one-way delay: 22.248 ms

Loss rate: 0.19%

# Run 1: Report of TCP Vegas — Data Link

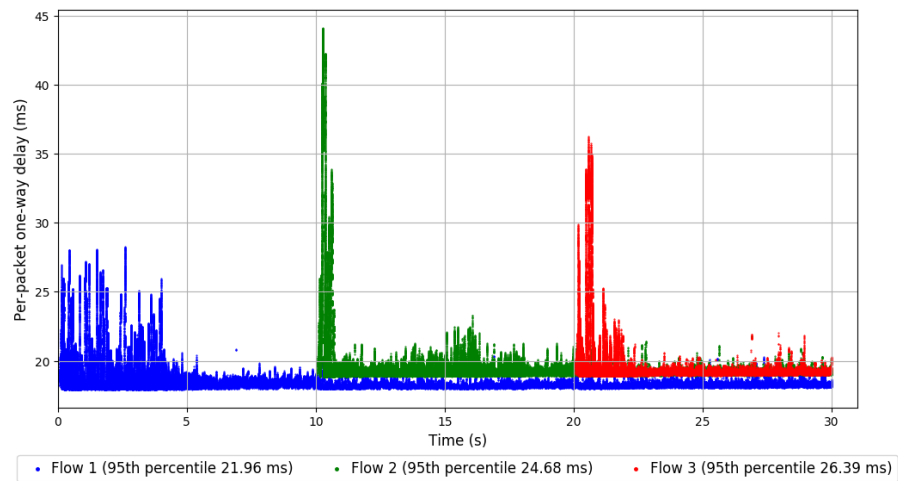
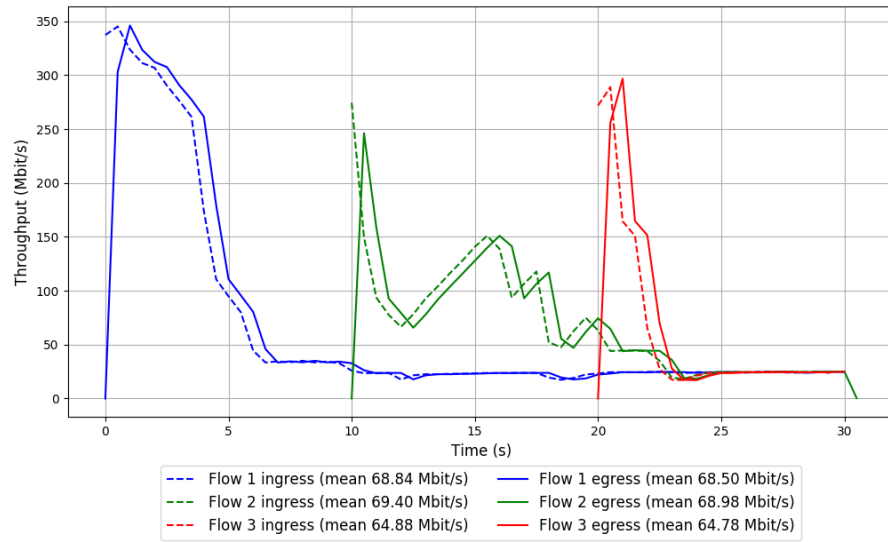


Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 21:26:24  
End at: 2018-06-29 21:26:54  
Local clock offset: 3.55 ms  
Remote clock offset: -1.763 ms

# Below is generated by plot.py at 2018-06-30 03:32:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 135.94 Mbit/s  
95th percentile per-packet one-way delay: 23.176 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 68.50 Mbit/s  
95th percentile per-packet one-way delay: 21.964 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 68.98 Mbit/s  
95th percentile per-packet one-way delay: 24.684 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 64.78 Mbit/s  
95th percentile per-packet one-way delay: 26.393 ms  
Loss rate: 0.15%

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



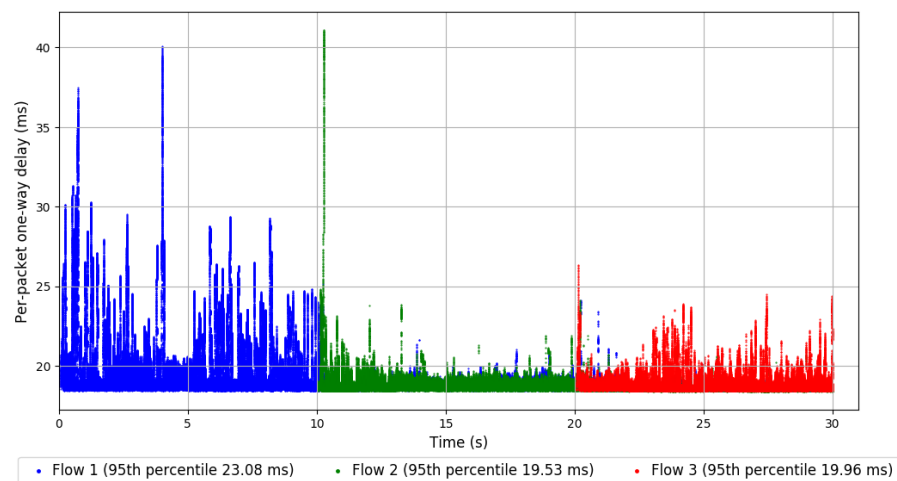
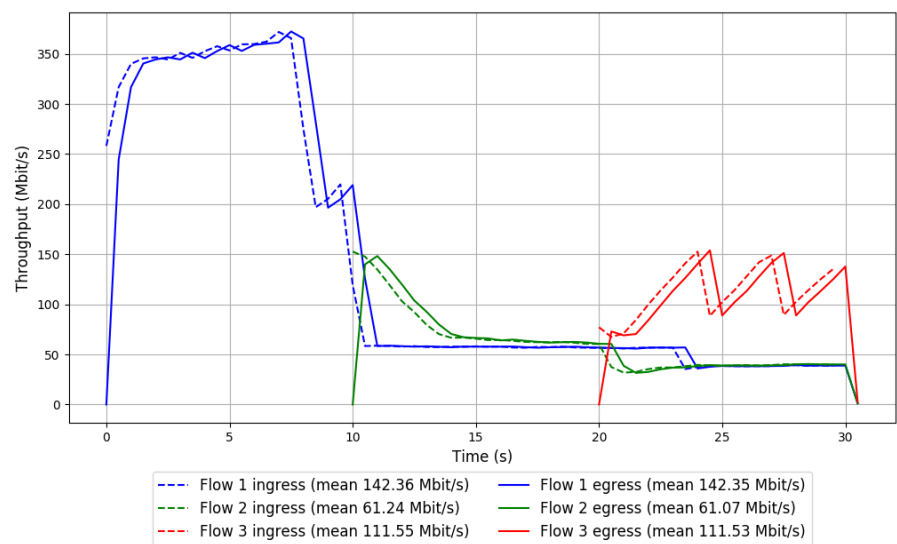
Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 21:53:13  
End at: 2018-06-29 21:53:43  
Local clock offset: 1.556 ms  
Remote clock offset: -5.365 ms

# Below is generated by plot.py at 2018-06-30 03:32:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 220.10 Mbit/s  
95th percentile per-packet one-way delay: 21.912 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 142.35 Mbit/s  
95th percentile per-packet one-way delay: 23.081 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 61.07 Mbit/s  
95th percentile per-packet one-way delay: 19.526 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 111.53 Mbit/s  
95th percentile per-packet one-way delay: 19.959 ms  
Loss rate: 0.01%



Run 3: Report of TCP Vegas — Data Link

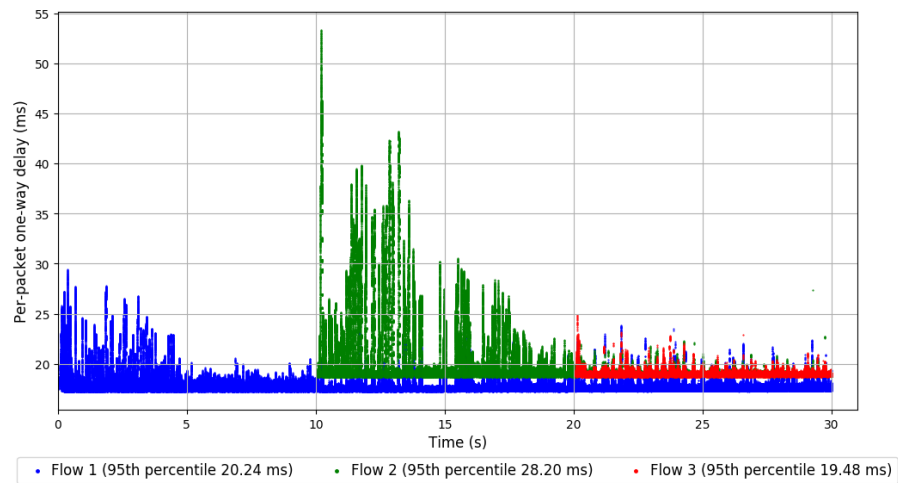
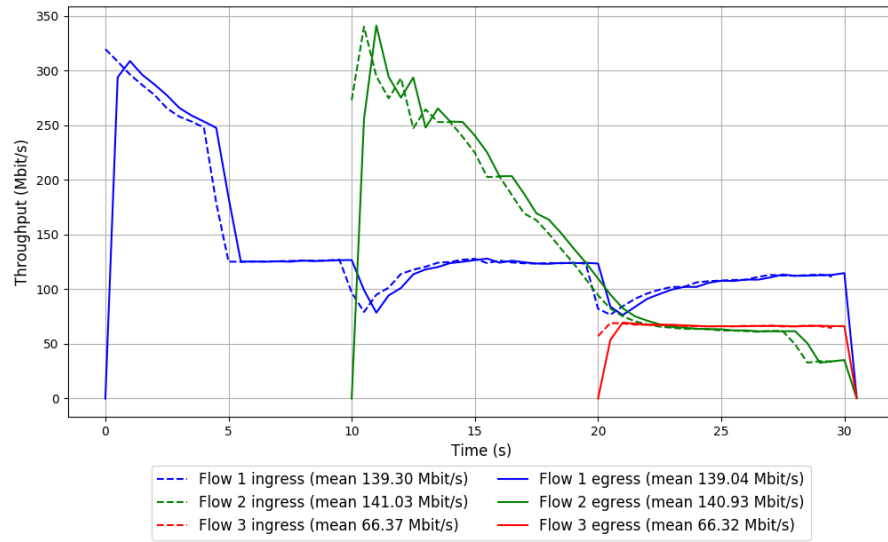


Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 22:19:59  
End at: 2018-06-29 22:20:29  
Local clock offset: -0.089 ms  
Remote clock offset: -7.068 ms

```
# Below is generated by plot.py at 2018-06-30 03:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.96 Mbit/s
95th percentile per-packet one-way delay: 23.482 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 139.04 Mbit/s
95th percentile per-packet one-way delay: 20.241 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 140.93 Mbit/s
95th percentile per-packet one-way delay: 28.196 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.08%
```

# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 22:46:49

End at: 2018-06-29 22:47:19

Local clock offset: 0.307 ms

Remote clock offset: 4.688 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 240.18 Mbit/s

95th percentile per-packet one-way delay: 25.084 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 110.55 Mbit/s

95th percentile per-packet one-way delay: 22.885 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 156.08 Mbit/s

95th percentile per-packet one-way delay: 26.780 ms

Loss rate: 0.03%

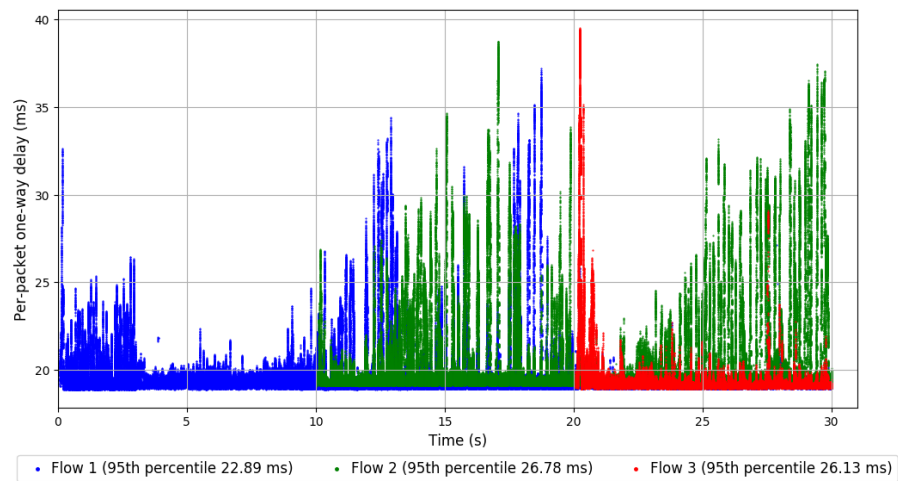
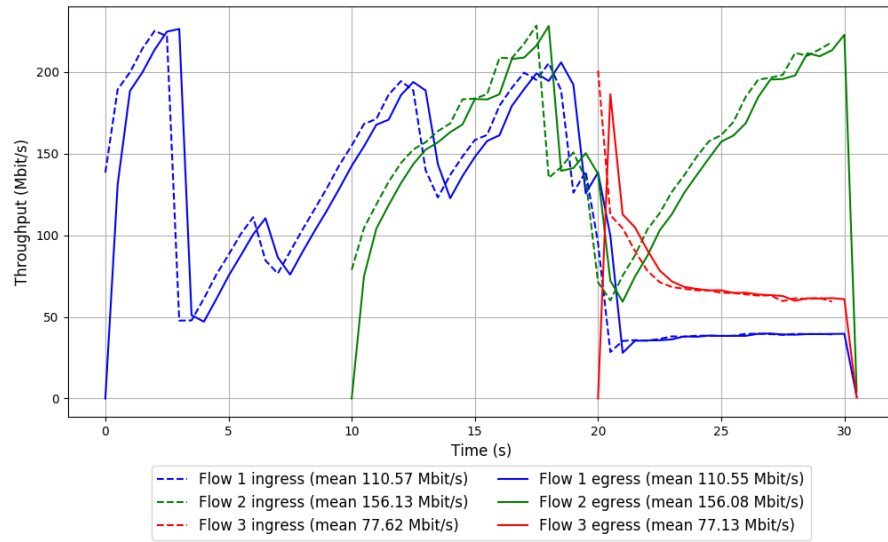
-- Flow 3:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 26.133 ms

Loss rate: 0.64%

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 23:13:41

End at: 2018-06-29 23:14:11

Local clock offset: 3.981 ms

Remote clock offset: 8.658 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 325.38 Mbit/s

95th percentile per-packet one-way delay: 26.055 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 157.17 Mbit/s

95th percentile per-packet one-way delay: 20.796 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 159.47 Mbit/s

95th percentile per-packet one-way delay: 31.287 ms

Loss rate: 0.01%

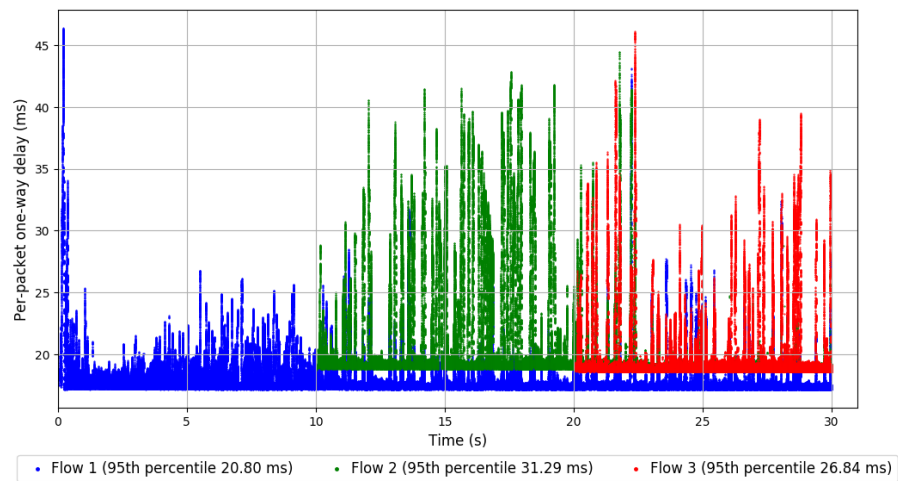
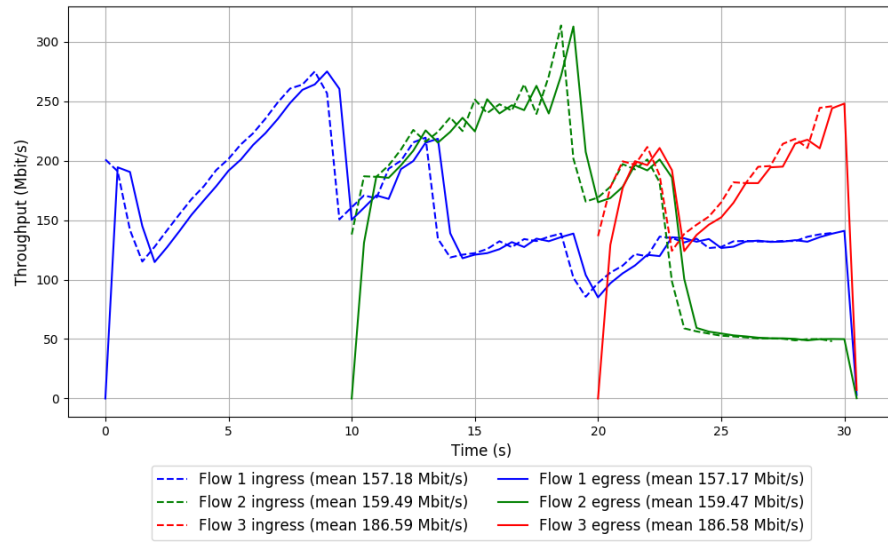
-- Flow 3:

Average throughput: 186.58 Mbit/s

95th percentile per-packet one-way delay: 26.841 ms

Loss rate: 0.00%

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



Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 23:40:39

End at: 2018-06-29 23:41:09

Local clock offset: -0.399 ms

Remote clock offset: 3.877 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 241.83 Mbit/s

95th percentile per-packet one-way delay: 22.986 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 183.98 Mbit/s

95th percentile per-packet one-way delay: 23.775 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 19.492 ms

Loss rate: 0.11%

-- Flow 3:

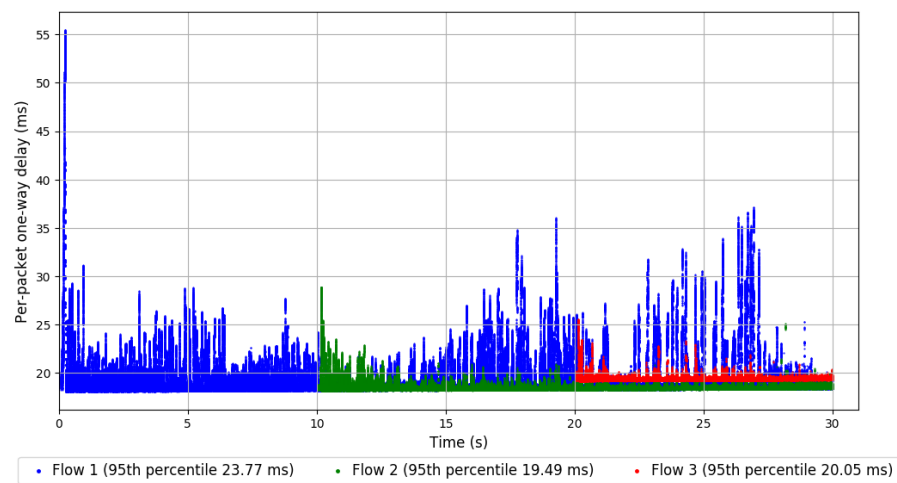
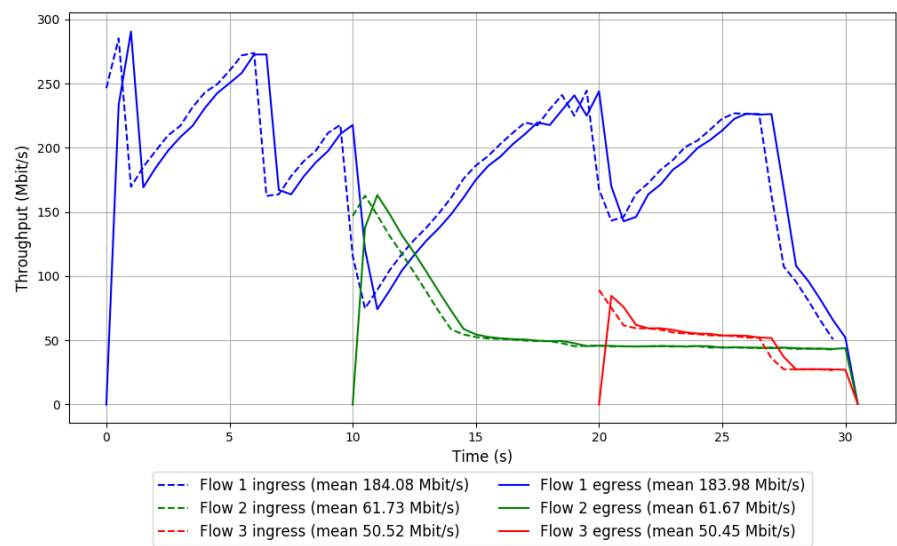
Average throughput: 50.45 Mbit/s

95th percentile per-packet one-way delay: 20.047 ms

Loss rate: 0.14%



Run 7: Report of TCP Vegas — Data Link

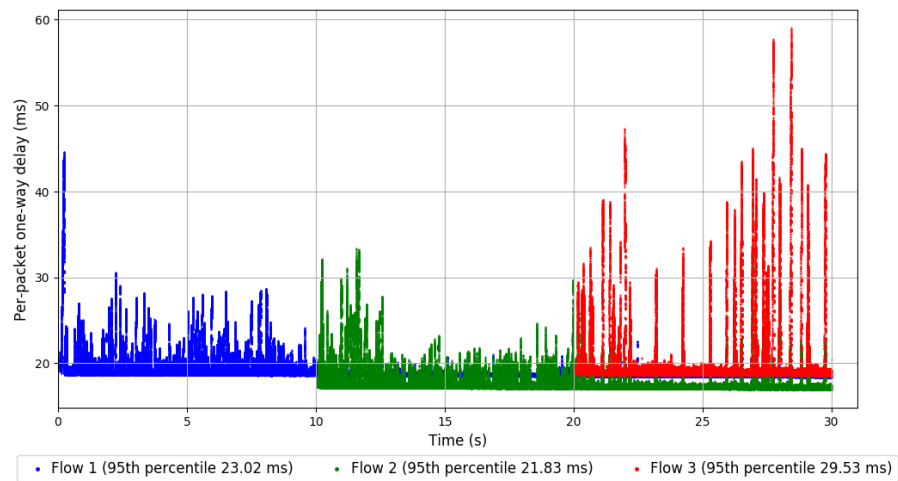
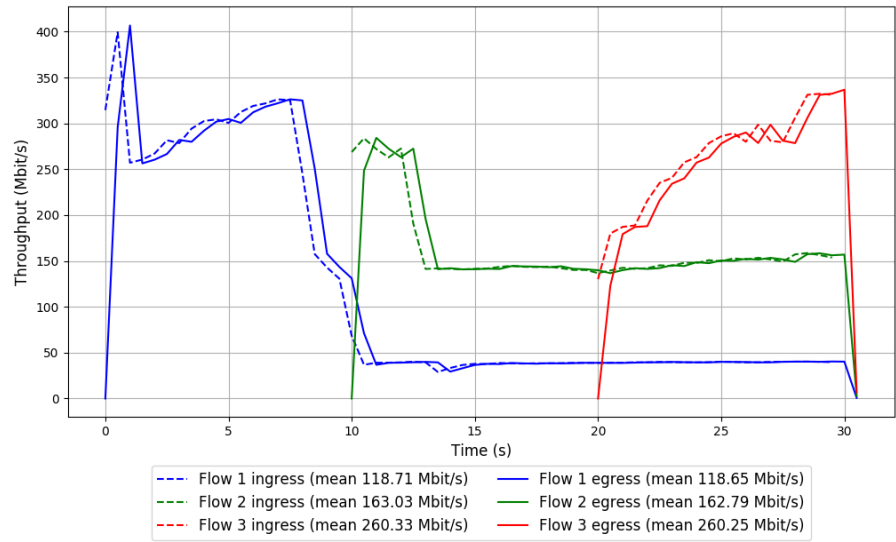


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 00:07:40  
End at: 2018-06-30 00:08:10  
Local clock offset: -0.183 ms  
Remote clock offset: -2.072 ms

```
# Below is generated by plot.py at 2018-06-30 03:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.62 Mbit/s
95th percentile per-packet one-way delay: 23.627 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 118.65 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 162.79 Mbit/s
95th percentile per-packet one-way delay: 21.830 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 260.25 Mbit/s
95th percentile per-packet one-way delay: 29.529 ms
Loss rate: 0.02%
```

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 00:34:34

End at: 2018-06-30 00:35:04

Local clock offset: -0.291 ms

Remote clock offset: 3.642 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 315.93 Mbit/s

95th percentile per-packet one-way delay: 23.746 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 115.68 Mbit/s

95th percentile per-packet one-way delay: 23.086 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 202.51 Mbit/s

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

Loss rate: 0.03%

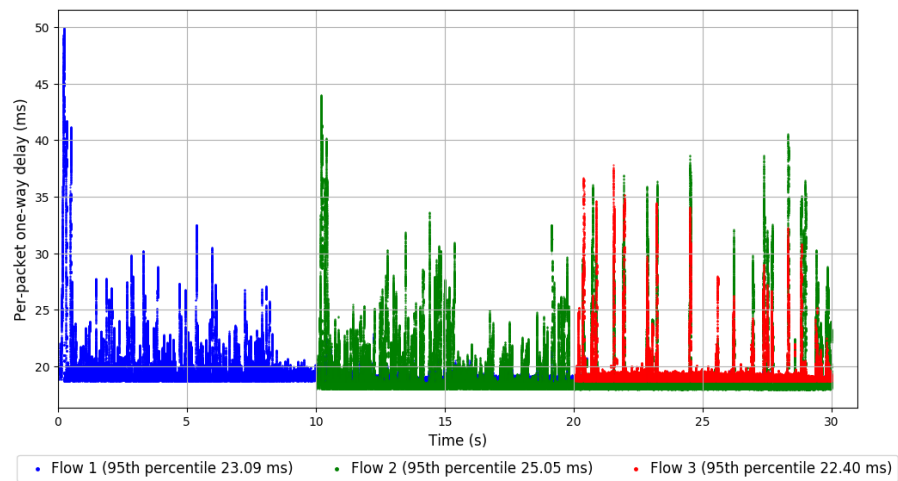
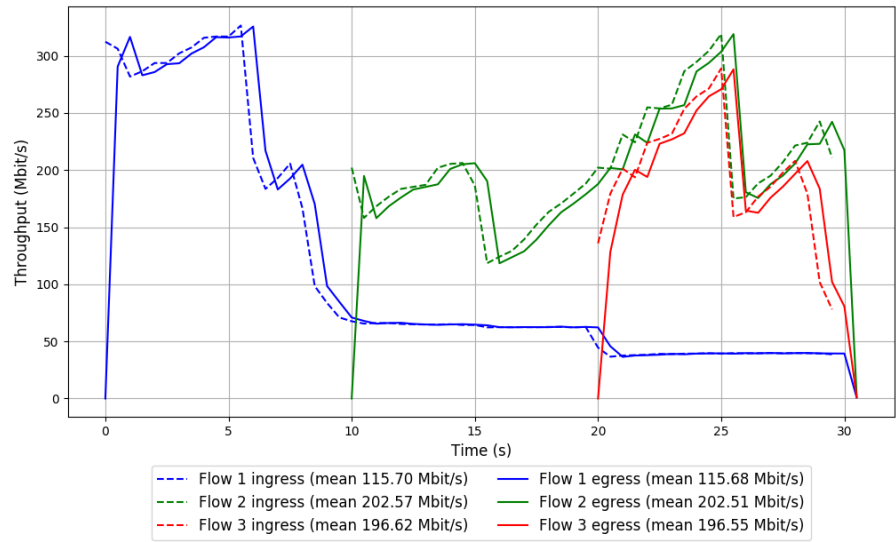
-- Flow 3:

Average throughput: 196.55 Mbit/s

95th percentile per-packet one-way delay: 22.396 ms

Loss rate: 0.04%

# Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 01:01:26

End at: 2018-06-30 01:01:56

Local clock offset: 3.239 ms

Remote clock offset: 3.279 ms

# Below is generated by plot.py at 2018-06-30 03:32:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 215.63 Mbit/s

95th percentile per-packet one-way delay: 23.053 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 80.37 Mbit/s

95th percentile per-packet one-way delay: 23.059 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 130.36 Mbit/s

95th percentile per-packet one-way delay: 24.043 ms

Loss rate: 0.06%

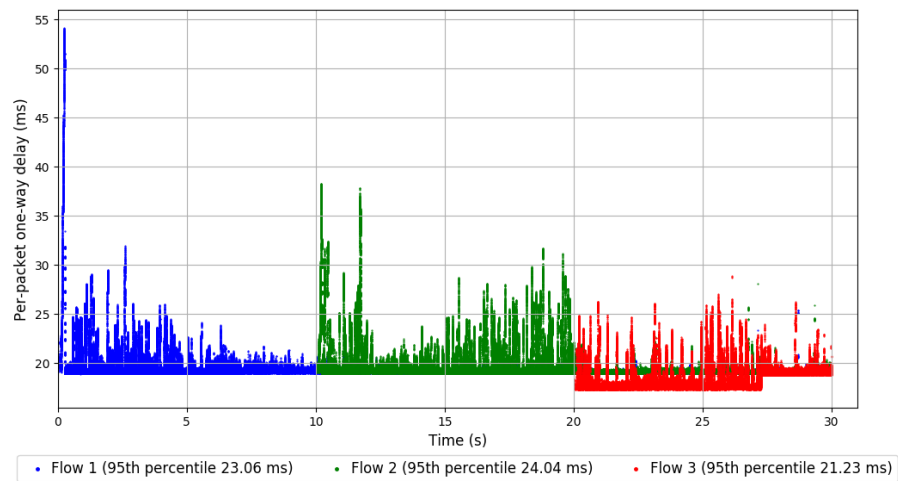
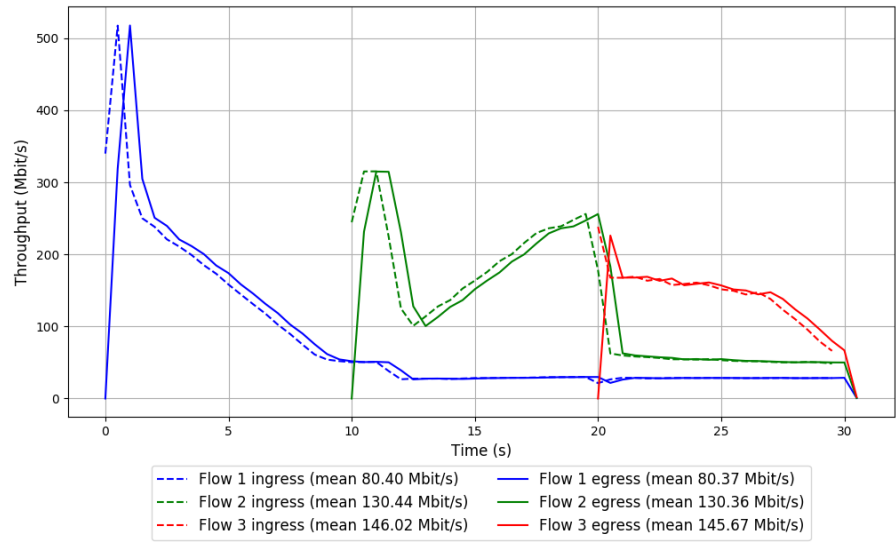
-- Flow 3:

Average throughput: 145.67 Mbit/s

95th percentile per-packet one-way delay: 21.226 ms

Loss rate: 0.20%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-29 21:05:29

End at: 2018-06-29 21:05:59

Local clock offset: 3.56 ms

Remote clock offset: 3.255 ms

# Below is generated by plot.py at 2018-06-30 03:33:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 410.95 Mbit/s

95th percentile per-packet one-way delay: 37.887 ms

Loss rate: 22.59%

-- Flow 1:

Average throughput: 213.85 Mbit/s

95th percentile per-packet one-way delay: 42.327 ms

Loss rate: 23.93%

-- Flow 2:

Average throughput: 217.48 Mbit/s

95th percentile per-packet one-way delay: 26.579 ms

Loss rate: 19.97%

-- Flow 3:

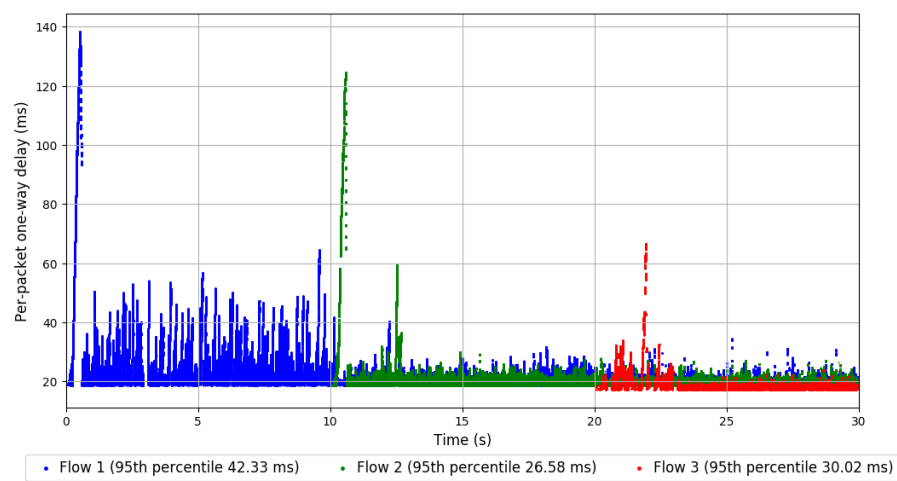
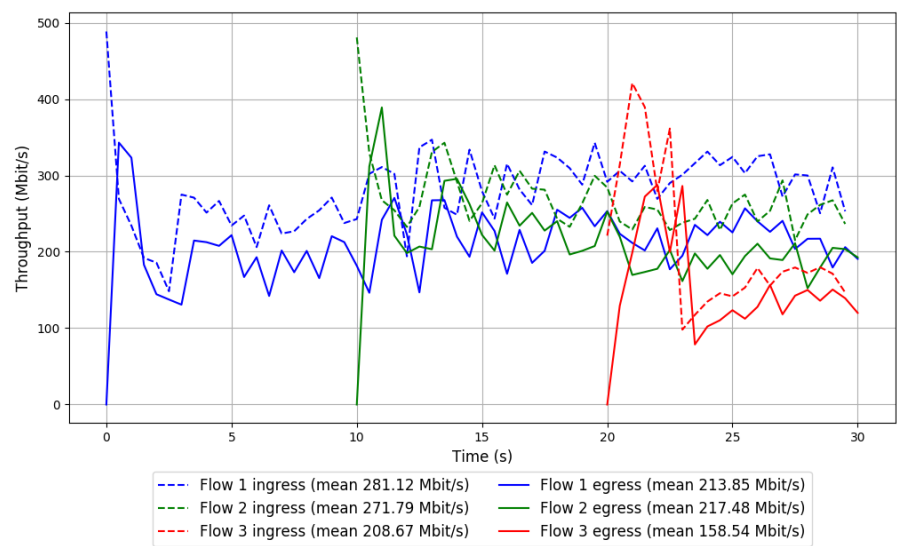
Average throughput: 158.54 Mbit/s

95th percentile per-packet one-way delay: 30.018 ms

Loss rate: 24.01%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-29 21:32:12

End at: 2018-06-29 21:32:42

Local clock offset: 3.394 ms

Remote clock offset: -3.12 ms

# Below is generated by plot.py at 2018-06-30 03:33:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 362.79 Mbit/s

95th percentile per-packet one-way delay: 31.185 ms

Loss rate: 26.23%

-- Flow 1:

Average throughput: 159.82 Mbit/s

95th percentile per-packet one-way delay: 33.396 ms

Loss rate: 23.70%

-- Flow 2:

Average throughput: 237.91 Mbit/s

95th percentile per-packet one-way delay: 30.186 ms

Loss rate: 28.12%

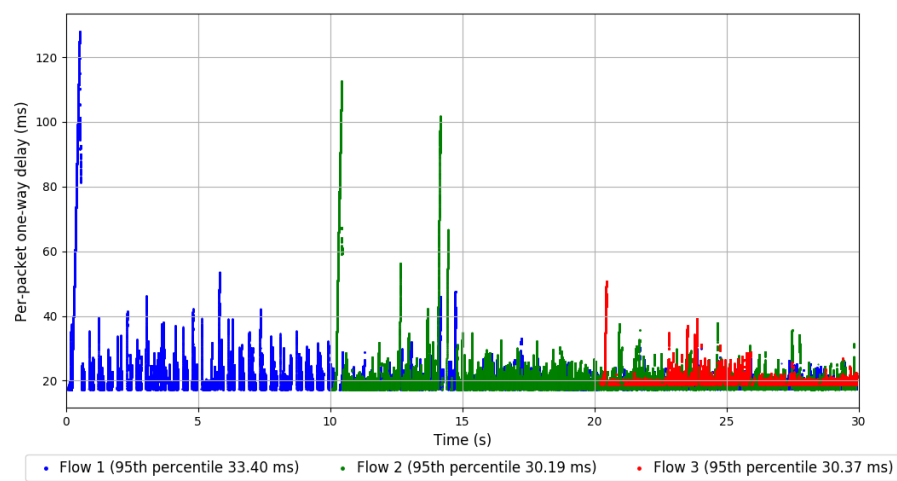
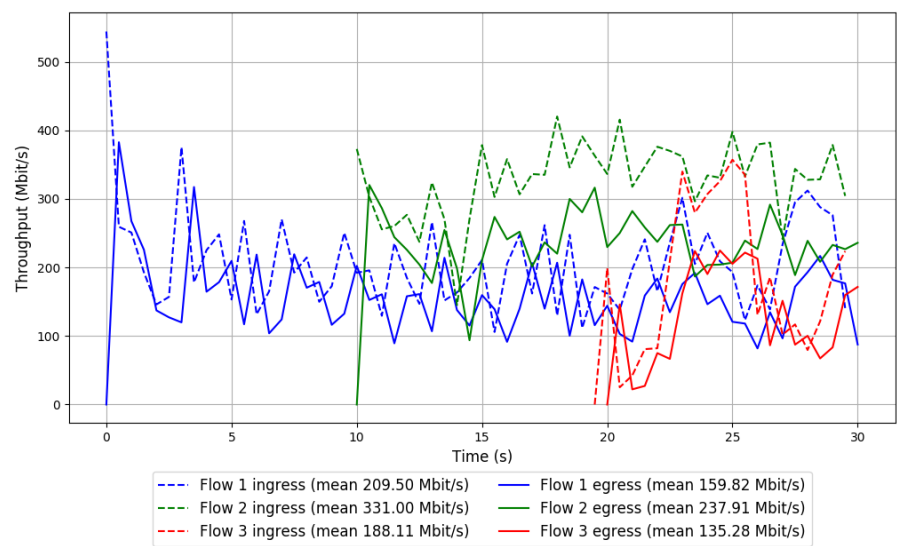
-- Flow 3:

Average throughput: 135.28 Mbit/s

95th percentile per-packet one-way delay: 30.369 ms

Loss rate: 28.07%

Run 2: Report of Verus — Data Link

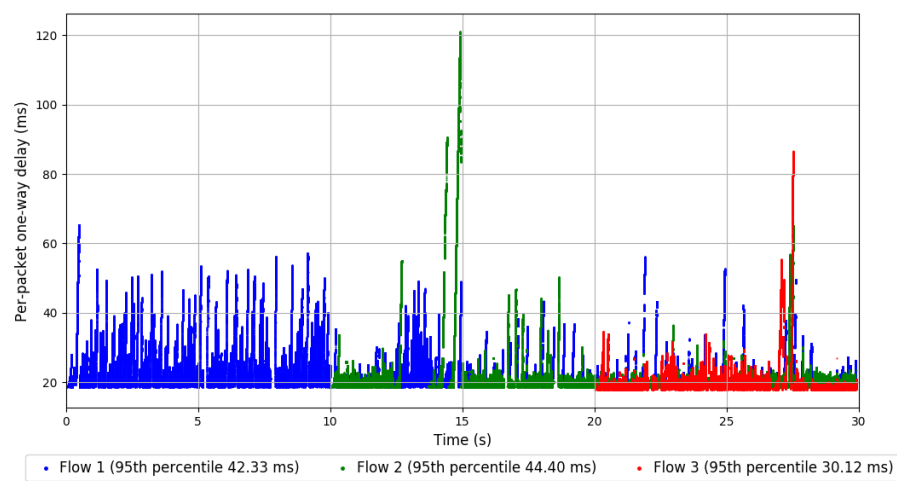
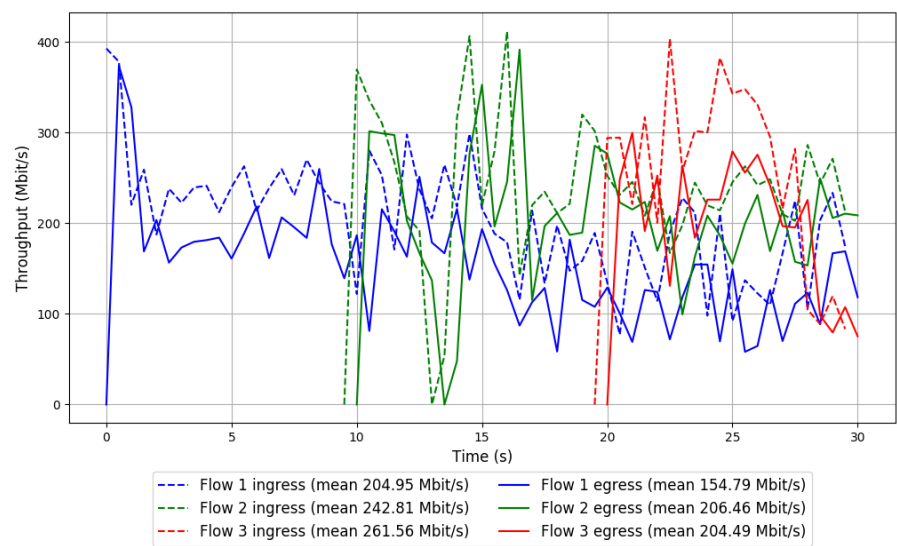


Run 3: Statistics of Verus

Start at: 2018-06-29 21:59:05  
End at: 2018-06-29 21:59:35  
Local clock offset: 0.738 ms  
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2018-06-30 03:34:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 360.02 Mbit/s  
95th percentile per-packet one-way delay: 41.070 ms  
Loss rate: 20.57%  
-- Flow 1:  
Average throughput: 154.79 Mbit/s  
95th percentile per-packet one-way delay: 42.330 ms  
Loss rate: 24.48%  
-- Flow 2:  
Average throughput: 206.46 Mbit/s  
95th percentile per-packet one-way delay: 44.395 ms  
Loss rate: 14.95%  
-- Flow 3:  
Average throughput: 204.49 Mbit/s  
95th percentile per-packet one-way delay: 30.116 ms  
Loss rate: 21.81%

Run 3: Report of Verus — Data Link

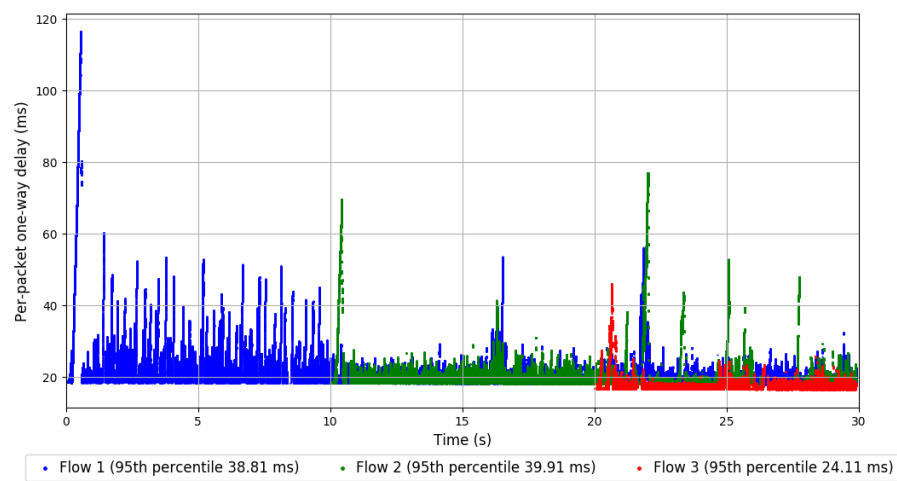
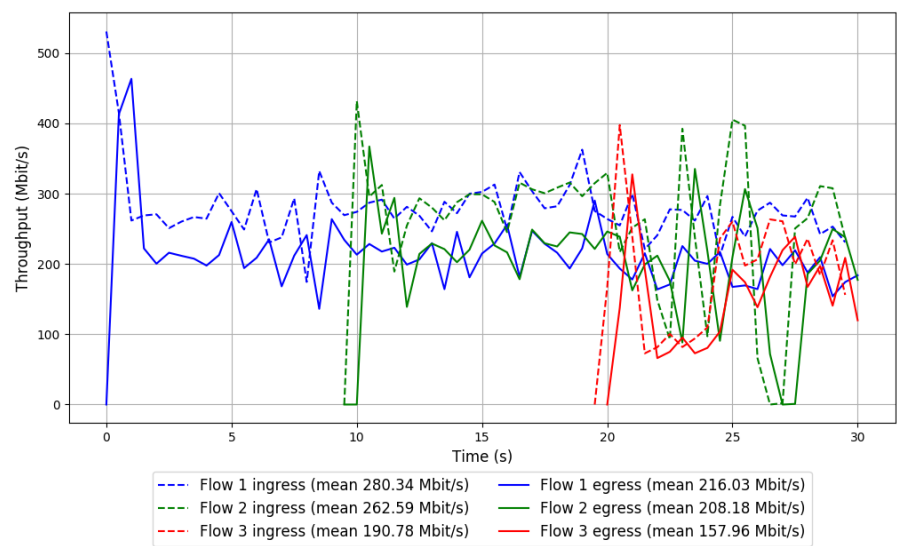


Run 4: Statistics of Verus

Start at: 2018-06-29 22:25:53  
End at: 2018-06-29 22:26:23  
Local clock offset: 0.024 ms  
Remote clock offset: -5.933 ms

# Below is generated by plot.py at 2018-06-30 03:35:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 406.96 Mbit/s  
95th percentile per-packet one-way delay: 37.093 ms  
Loss rate: 21.49%  
-- Flow 1:  
Average throughput: 216.03 Mbit/s  
95th percentile per-packet one-way delay: 38.806 ms  
Loss rate: 22.94%  
-- Flow 2:  
Average throughput: 208.18 Mbit/s  
95th percentile per-packet one-way delay: 39.915 ms  
Loss rate: 20.72%  
-- Flow 3:  
Average throughput: 157.96 Mbit/s  
95th percentile per-packet one-way delay: 24.110 ms  
Loss rate: 17.19%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-29 22:52:39

End at: 2018-06-29 22:53:09

Local clock offset: 1.956 ms

Remote clock offset: 5.736 ms

# Below is generated by plot.py at 2018-06-30 03:35:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 384.22 Mbit/s

95th percentile per-packet one-way delay: 37.727 ms

Loss rate: 23.53%

-- Flow 1:

Average throughput: 163.08 Mbit/s

95th percentile per-packet one-way delay: 44.838 ms

Loss rate: 22.83%

-- Flow 2:

Average throughput: 245.98 Mbit/s

95th percentile per-packet one-way delay: 30.219 ms

Loss rate: 21.31%

-- Flow 3:

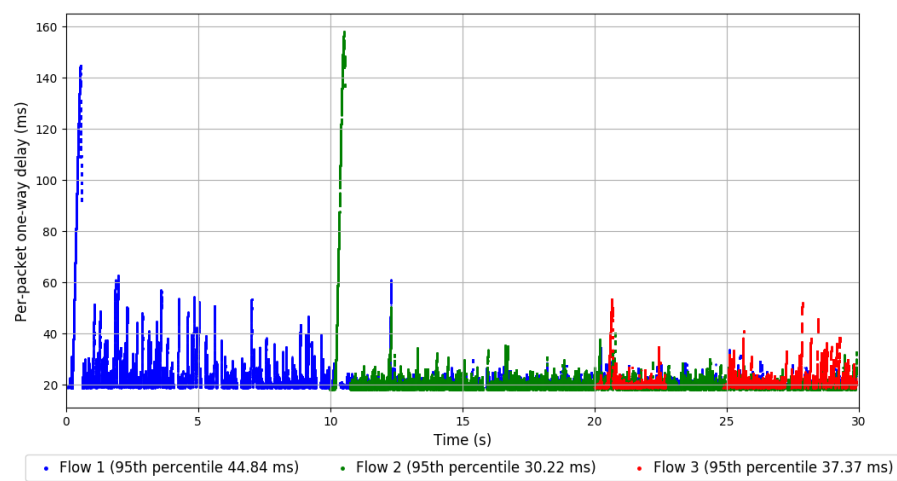
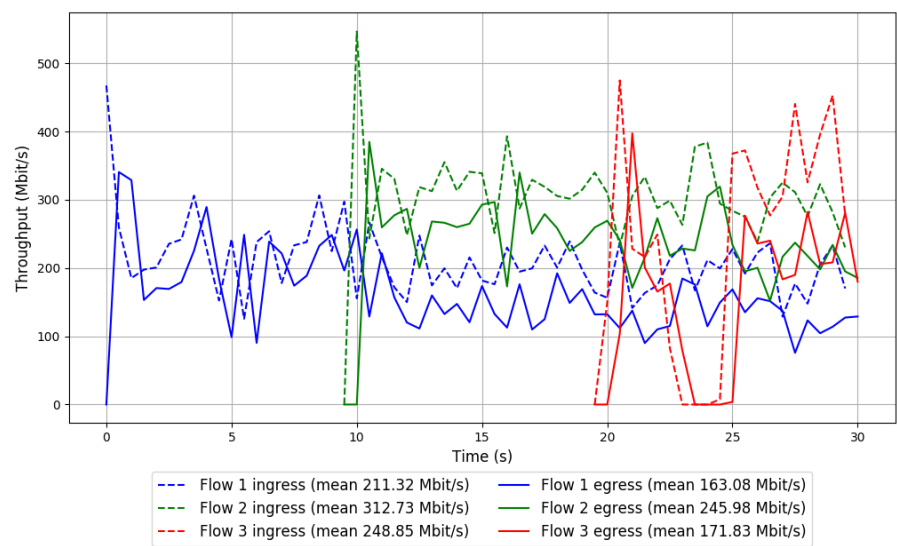
Average throughput: 171.83 Mbit/s

95th percentile per-packet one-way delay: 37.365 ms

Loss rate: 30.95%



Run 5: Report of Verus — Data Link

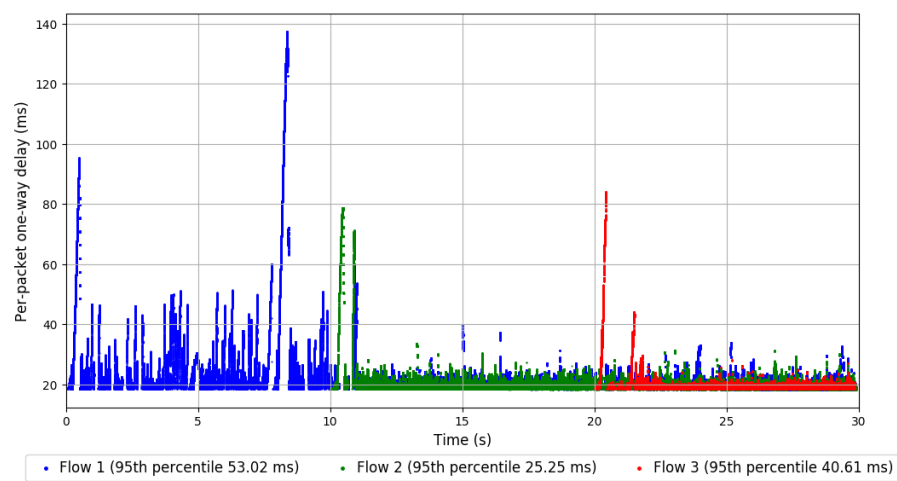
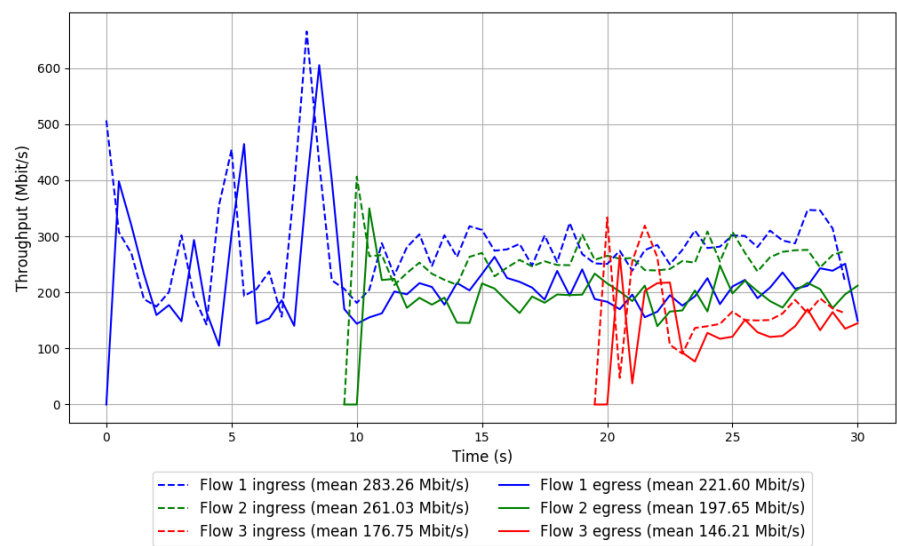


Run 6: Statistics of Verus

Start at: 2018-06-29 23:19:44  
End at: 2018-06-29 23:20:14  
Local clock offset: 2.435 ms  
Remote clock offset: 9.464 ms

# Below is generated by plot.py at 2018-06-30 03:36:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 401.60 Mbit/s  
95th percentile per-packet one-way delay: 44.660 ms  
Loss rate: 22.11%  
-- Flow 1:  
Average throughput: 221.60 Mbit/s  
95th percentile per-packet one-way delay: 53.019 ms  
Loss rate: 21.77%  
-- Flow 2:  
Average throughput: 197.65 Mbit/s  
95th percentile per-packet one-way delay: 25.255 ms  
Loss rate: 24.28%  
-- Flow 3:  
Average throughput: 146.21 Mbit/s  
95th percentile per-packet one-way delay: 40.610 ms  
Loss rate: 17.28%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-29 23:46:36

End at: 2018-06-29 23:47:06

Local clock offset: -0.629 ms

Remote clock offset: 1.15 ms

# Below is generated by plot.py at 2018-06-30 03:37:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 400.84 Mbit/s

95th percentile per-packet one-way delay: 55.181 ms

Loss rate: 22.47%

-- Flow 1:

Average throughput: 204.23 Mbit/s

95th percentile per-packet one-way delay: 48.364 ms

Loss rate: 23.83%

-- Flow 2:

Average throughput: 201.85 Mbit/s

95th percentile per-packet one-way delay: 61.487 ms

Loss rate: 21.12%

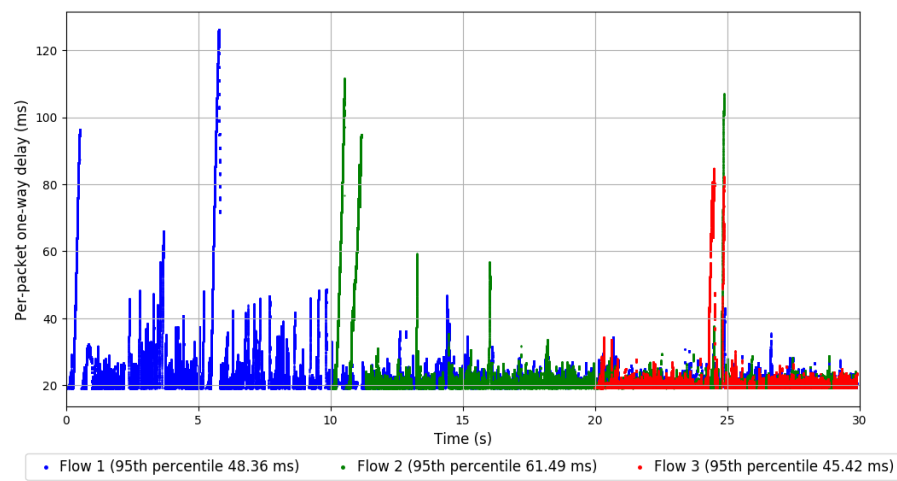
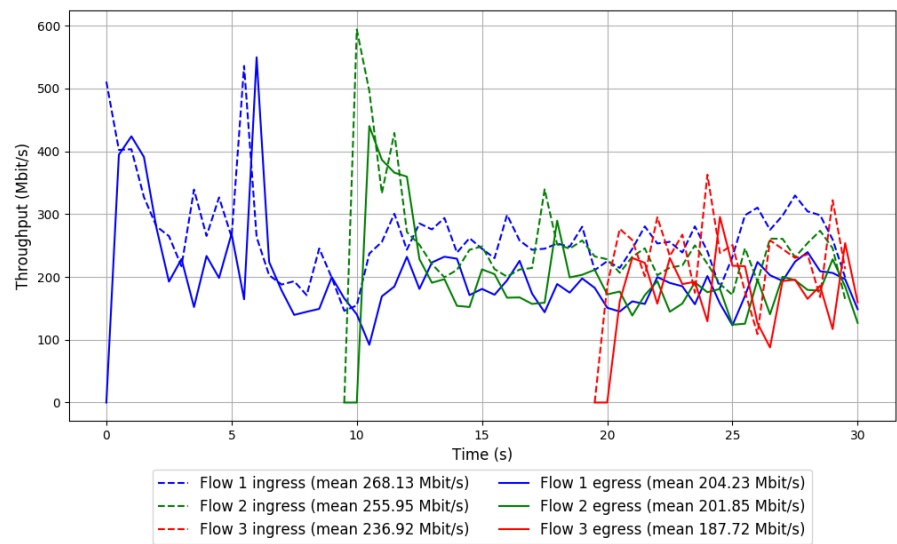
-- Flow 3:

Average throughput: 187.72 Mbit/s

95th percentile per-packet one-way delay: 45.422 ms

Loss rate: 20.75%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 00:13:39

End at: 2018-06-30 00:14:09

Local clock offset: -0.152 ms

Remote clock offset: 0.666 ms

# Below is generated by plot.py at 2018-06-30 03:37:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 420.34 Mbit/s

95th percentile per-packet one-way delay: 37.803 ms

Loss rate: 22.30%

-- Flow 1:

Average throughput: 220.45 Mbit/s

95th percentile per-packet one-way delay: 39.404 ms

Loss rate: 23.70%

-- Flow 2:

Average throughput: 214.39 Mbit/s

95th percentile per-packet one-way delay: 26.465 ms

Loss rate: 19.95%

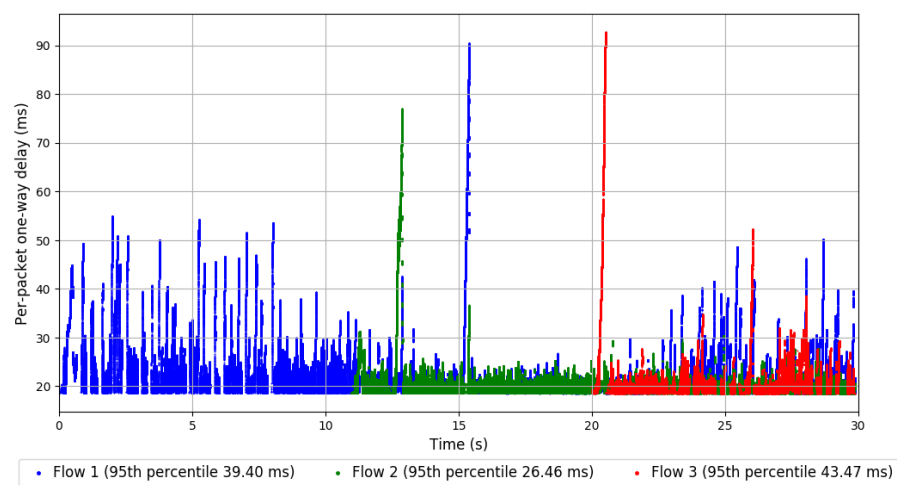
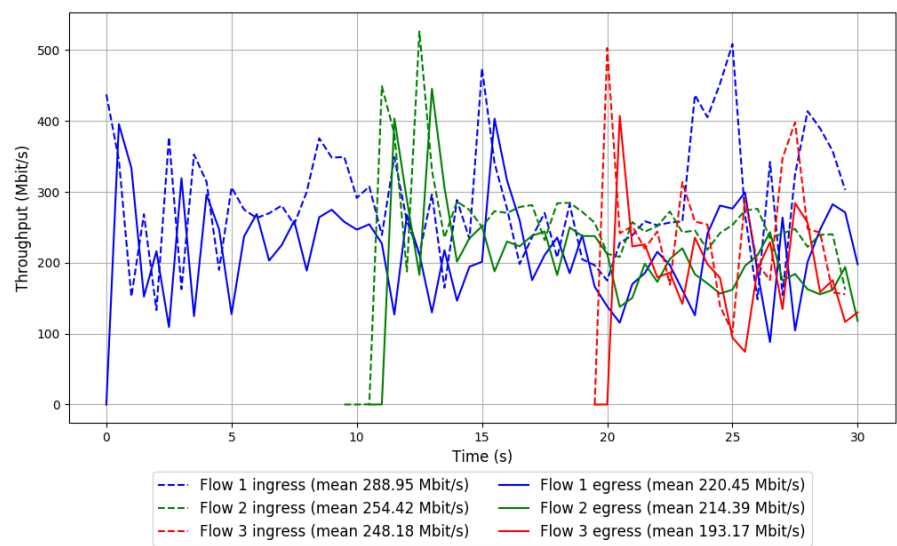
-- Flow 3:

Average throughput: 193.17 Mbit/s

95th percentile per-packet one-way delay: 43.468 ms

Loss rate: 22.18%

Run 8: Report of Verus — Data Link



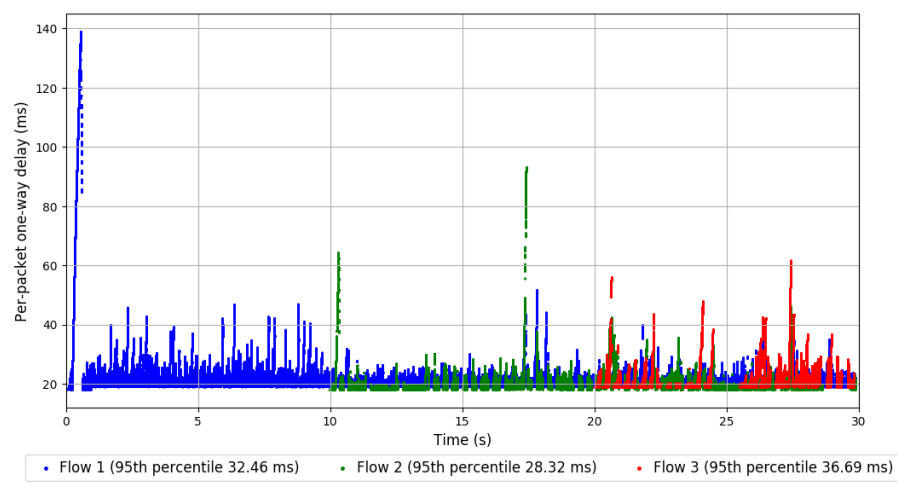
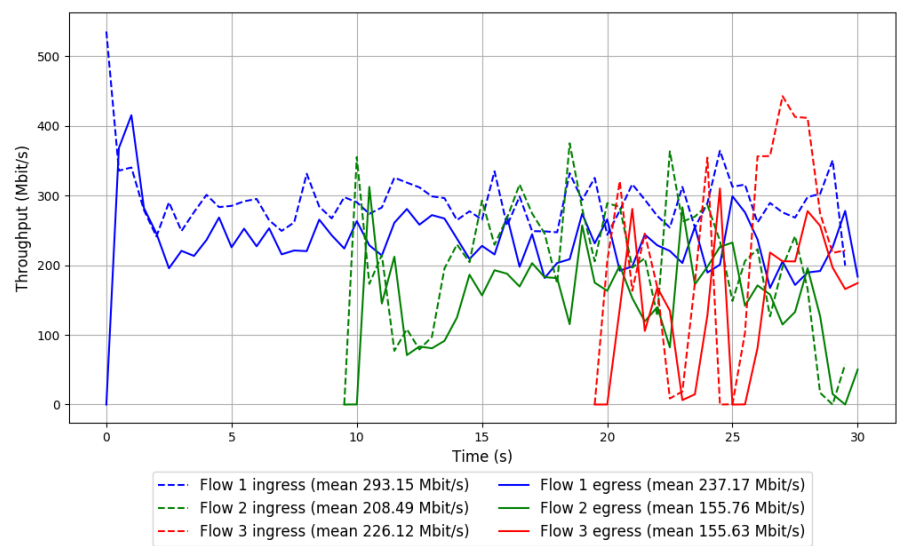
Run 9: Statistics of Verus

Start at: 2018-06-30 00:40:32  
End at: 2018-06-30 00:41:02  
Local clock offset: -0.374 ms  
Remote clock offset: 3.989 ms

# Below is generated by plot.py at 2018-06-30 03:38:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 392.44 Mbit/s  
95th percentile per-packet one-way delay: 32.239 ms  
Loss rate: 22.57%  
-- Flow 1:  
Average throughput: 237.17 Mbit/s  
95th percentile per-packet one-way delay: 32.461 ms  
Loss rate: 19.09%  
-- Flow 2:  
Average throughput: 155.76 Mbit/s  
95th percentile per-packet one-way delay: 28.316 ms  
Loss rate: 25.28%  
-- Flow 3:  
Average throughput: 155.63 Mbit/s  
95th percentile per-packet one-way delay: 36.689 ms  
Loss rate: 31.16%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-30 01:07:21

End at: 2018-06-30 01:07:51

Local clock offset: 3.638 ms

Remote clock offset: 3.242 ms

# Below is generated by plot.py at 2018-06-30 03:39:20

# Datalink statistics

-- Total of 3 flows:

Average throughput: 425.87 Mbit/s

95th percentile per-packet one-way delay: 36.884 ms

Loss rate: 25.85%

-- Flow 1:

Average throughput: 231.38 Mbit/s

95th percentile per-packet one-way delay: 35.493 ms

Loss rate: 26.79%

-- Flow 2:

Average throughput: 221.07 Mbit/s

95th percentile per-packet one-way delay: 40.179 ms

Loss rate: 24.04%

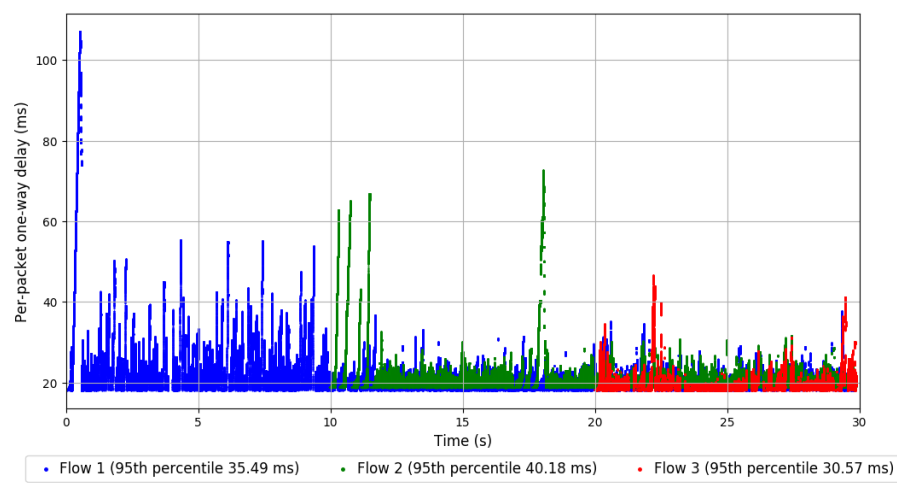
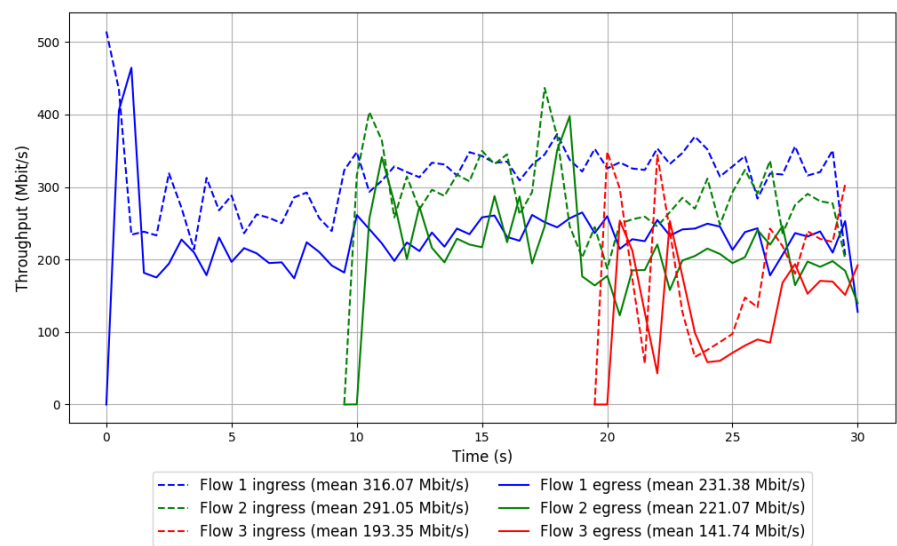
-- Flow 3:

Average throughput: 141.74 Mbit/s

95th percentile per-packet one-way delay: 30.572 ms

Loss rate: 26.68%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 20:56:33

End at: 2018-06-29 20:57:03

Local clock offset: 2.496 ms

Remote clock offset: 3.091 ms

# Below is generated by plot.py at 2018-06-30 03:42:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 654.25 Mbit/s

95th percentile per-packet one-way delay: 23.936 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 386.36 Mbit/s

95th percentile per-packet one-way delay: 21.139 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 369.23 Mbit/s

95th percentile per-packet one-way delay: 42.382 ms

Loss rate: 0.30%

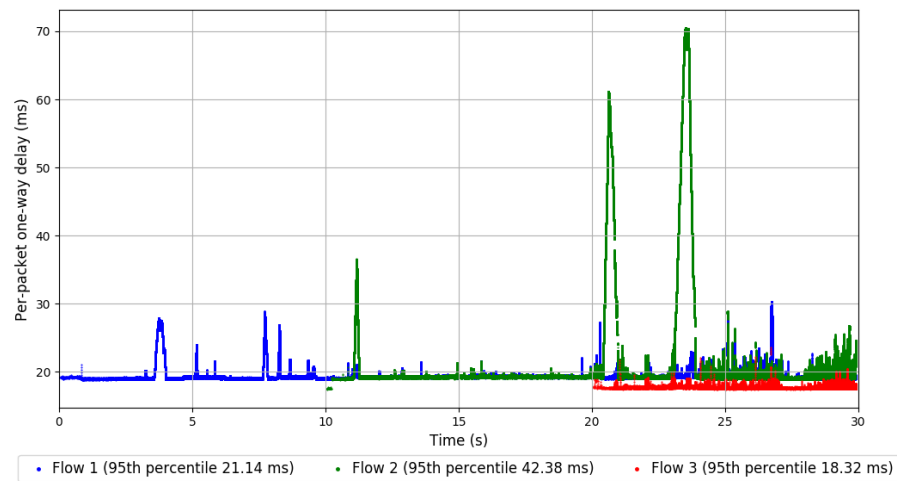
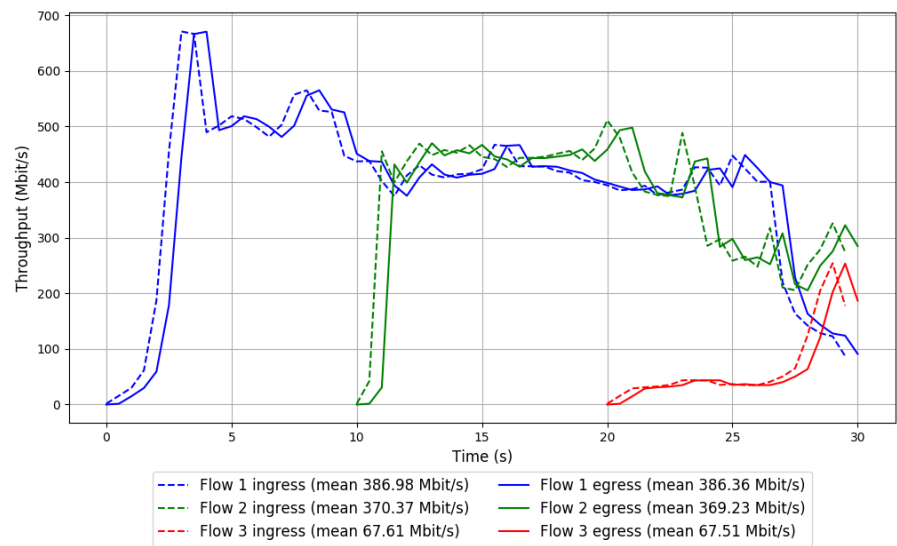
-- Flow 3:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 18.324 ms

Loss rate: 0.15%

Run 1: Report of PCC-Vivace — Data Link

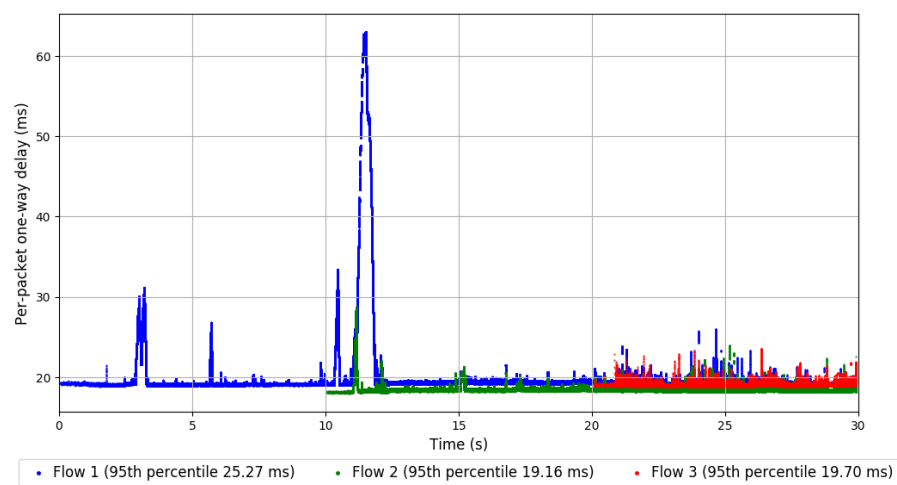
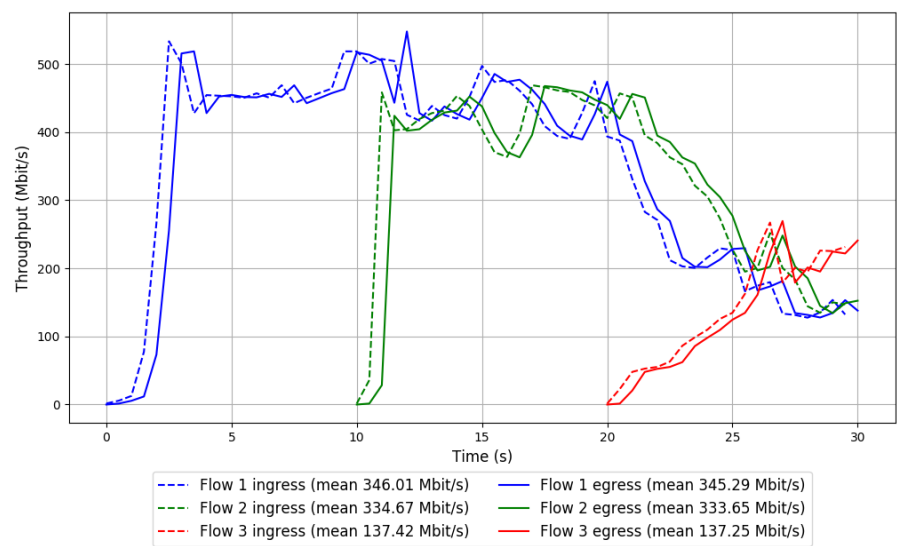


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 21:23:20  
End at: 2018-06-29 21:23:50  
Local clock offset: 3.635 ms  
Remote clock offset: -0.618 ms

# Below is generated by plot.py at 2018-06-30 03:42:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 612.48 Mbit/s  
95th percentile per-packet one-way delay: 20.572 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 345.29 Mbit/s  
95th percentile per-packet one-way delay: 25.268 ms  
Loss rate: 0.21%  
-- Flow 2:  
Average throughput: 333.65 Mbit/s  
95th percentile per-packet one-way delay: 19.157 ms  
Loss rate: 0.32%  
-- Flow 3:  
Average throughput: 137.25 Mbit/s  
95th percentile per-packet one-way delay: 19.701 ms  
Loss rate: 0.13%

Run 2: Report of PCC-Vivace — Data Link



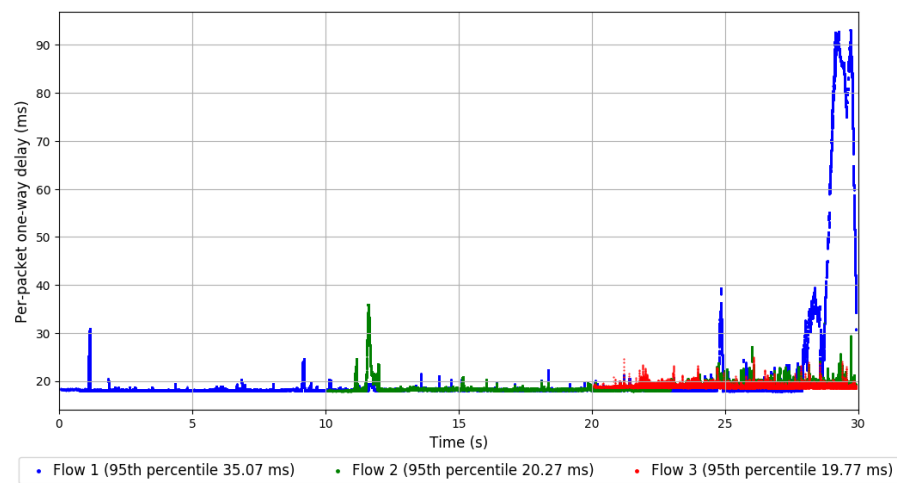
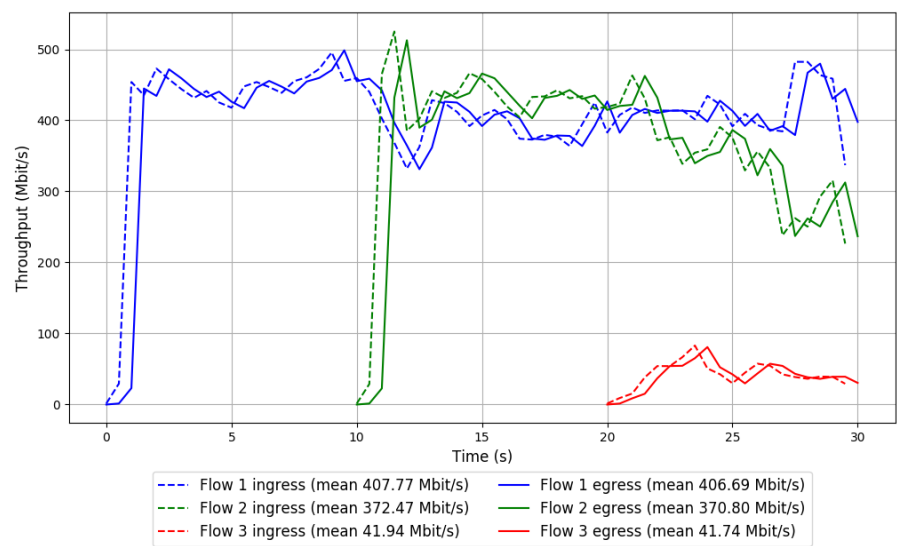
Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 21:50:07  
End at: 2018-06-29 21:50:37  
Local clock offset: 2.1 ms  
Remote clock offset: -5.075 ms

# Below is generated by plot.py at 2018-06-30 03:44:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 667.02 Mbit/s  
95th percentile per-packet one-way delay: 26.248 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 406.69 Mbit/s  
95th percentile per-packet one-way delay: 35.068 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 370.80 Mbit/s  
95th percentile per-packet one-way delay: 20.269 ms  
Loss rate: 0.44%  
-- Flow 3:  
Average throughput: 41.74 Mbit/s  
95th percentile per-packet one-way delay: 19.770 ms  
Loss rate: 0.48%



Run 3: Report of PCC-Vivace — Data Link

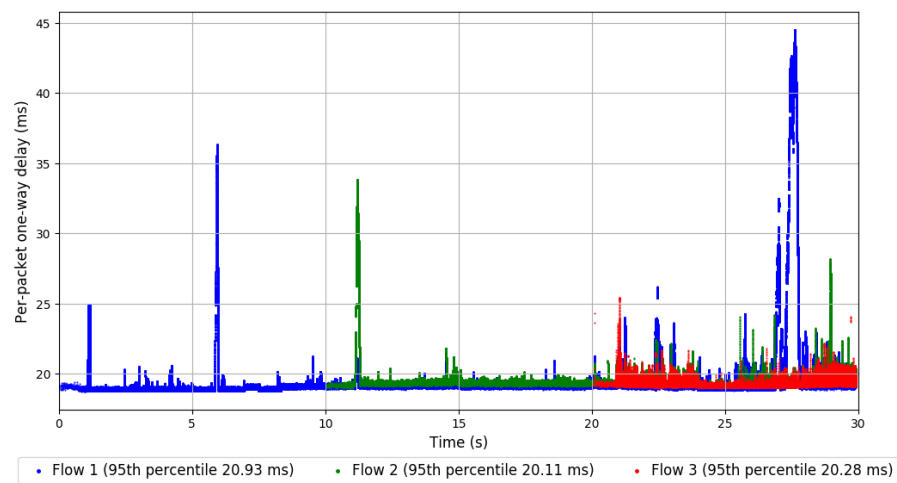
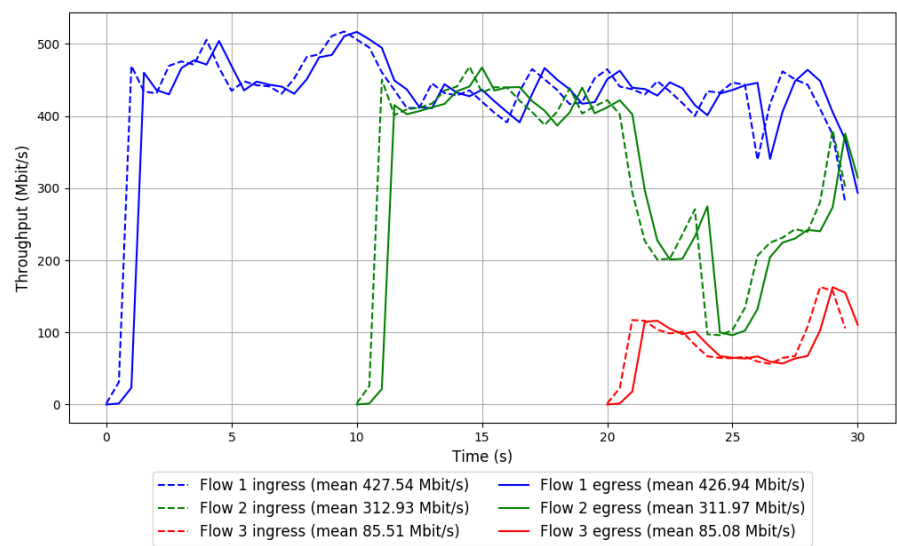


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 22:16:52  
End at: 2018-06-29 22:17:22  
Local clock offset: -0.314 ms  
Remote clock offset: -6.865 ms

# Below is generated by plot.py at 2018-06-30 03:44:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 662.51 Mbit/s  
95th percentile per-packet one-way delay: 20.435 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 426.94 Mbit/s  
95th percentile per-packet one-way delay: 20.929 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 311.97 Mbit/s  
95th percentile per-packet one-way delay: 20.110 ms  
Loss rate: 0.31%  
-- Flow 3:  
Average throughput: 85.08 Mbit/s  
95th percentile per-packet one-way delay: 20.278 ms  
Loss rate: 0.52%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 22:43:43

End at: 2018-06-29 22:44:13

Local clock offset: -0.041 ms

Remote clock offset: 3.839 ms

# Below is generated by plot.py at 2018-06-30 03:45:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 645.78 Mbit/s

95th percentile per-packet one-way delay: 19.796 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 381.50 Mbit/s

95th percentile per-packet one-way delay: 19.629 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 322.28 Mbit/s

95th percentile per-packet one-way delay: 20.615 ms

Loss rate: 0.45%

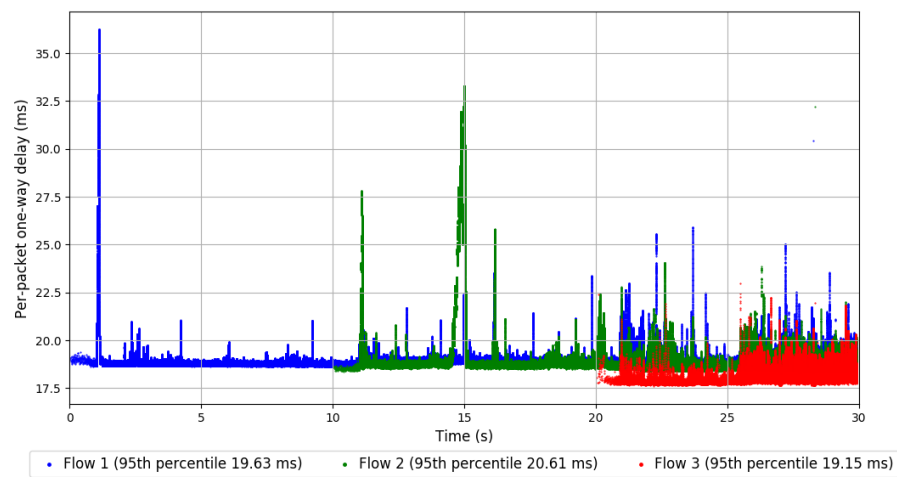
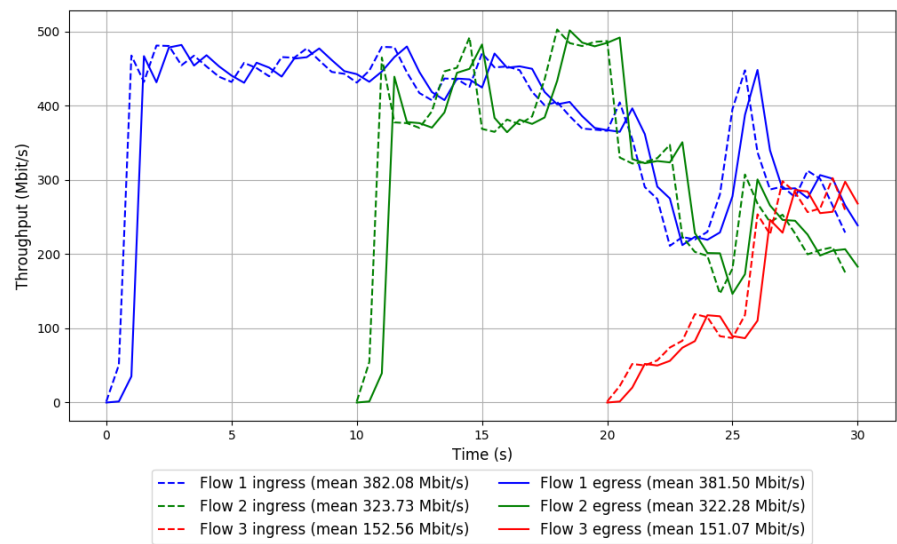
-- Flow 3:

Average throughput: 151.07 Mbit/s

95th percentile per-packet one-way delay: 19.152 ms

Loss rate: 0.98%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 23:10:34

End at: 2018-06-29 23:11:04

Local clock offset: 3.714 ms

Remote clock offset: 8.229 ms

# Below is generated by plot.py at 2018-06-30 03:46:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 642.35 Mbit/s

95th percentile per-packet one-way delay: 32.839 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 415.79 Mbit/s

95th percentile per-packet one-way delay: 84.684 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 233.44 Mbit/s

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

Loss rate: 1.33%

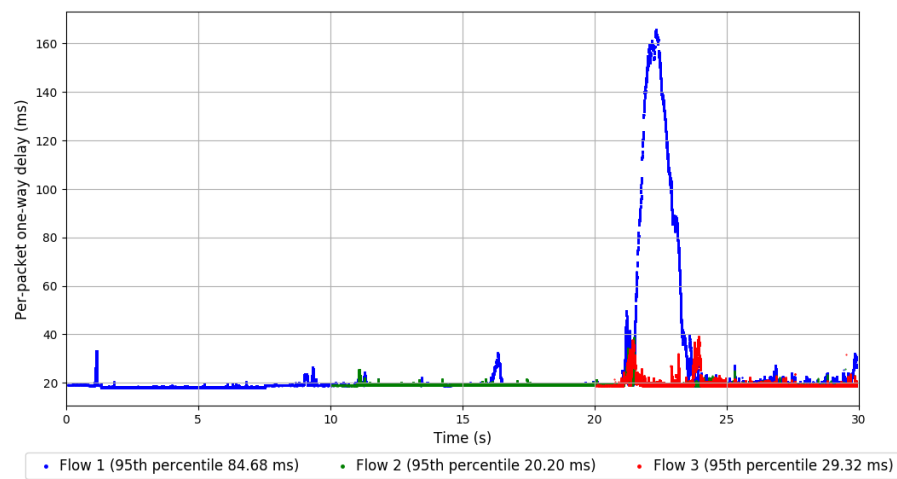
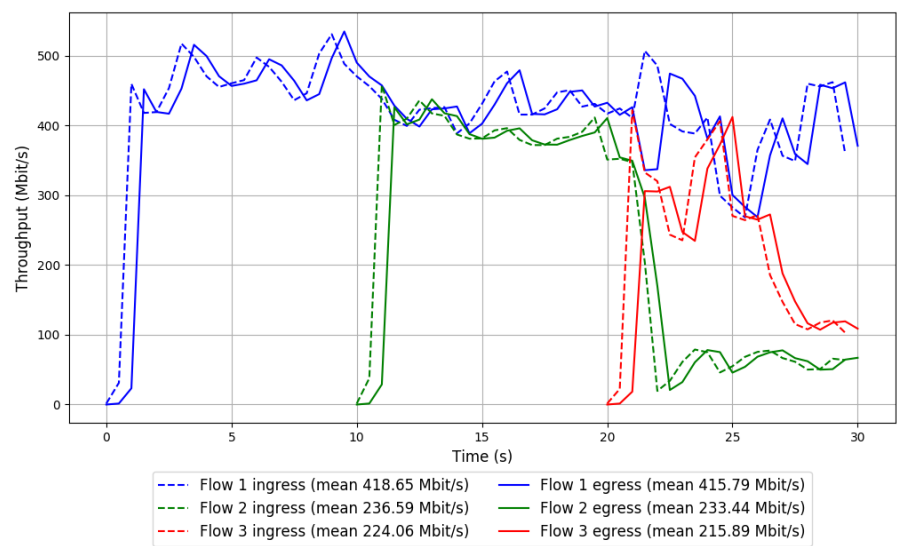
-- Flow 3:

Average throughput: 215.89 Mbit/s

95th percentile per-packet one-way delay: 29.319 ms

Loss rate: 3.65%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 23:37:32

End at: 2018-06-29 23:38:02

Local clock offset: -0.31 ms

Remote clock offset: 6.082 ms

# Below is generated by plot.py at 2018-06-30 03:46:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 671.49 Mbit/s

95th percentile per-packet one-way delay: 34.226 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 393.69 Mbit/s

95th percentile per-packet one-way delay: 22.679 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 374.22 Mbit/s

95th percentile per-packet one-way delay: 81.999 ms

Loss rate: 0.55%

-- Flow 3:

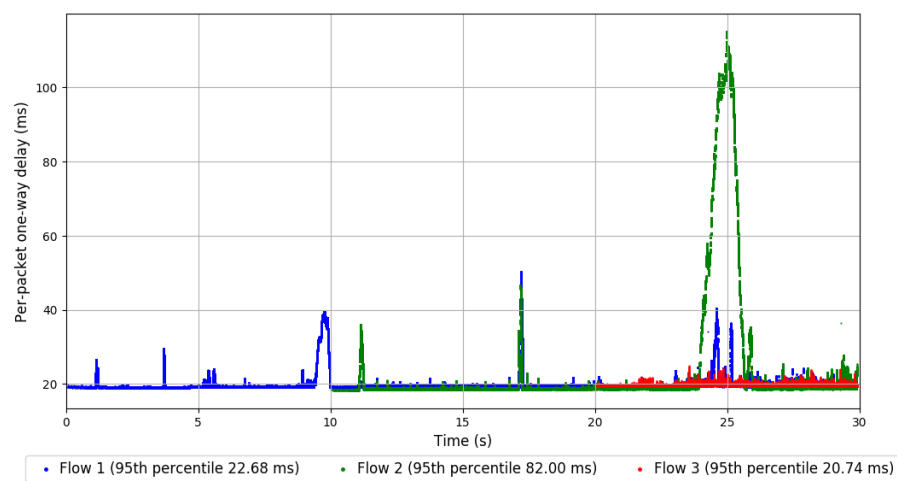
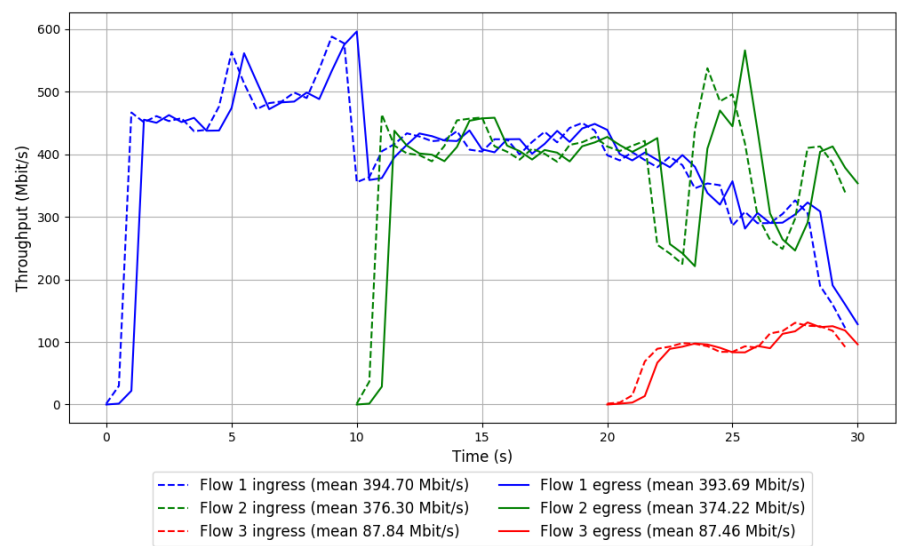
Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 20.737 ms

Loss rate: 0.44%



Run 7: Report of PCC-Vivace — Data Link

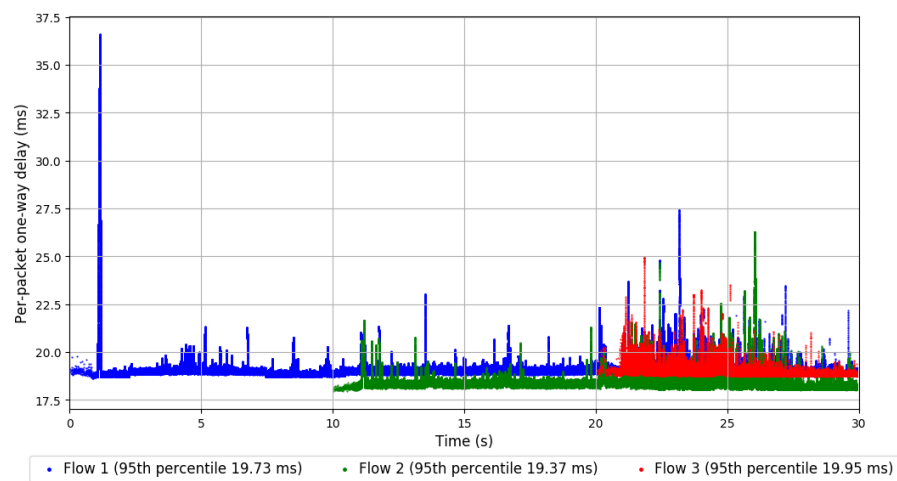
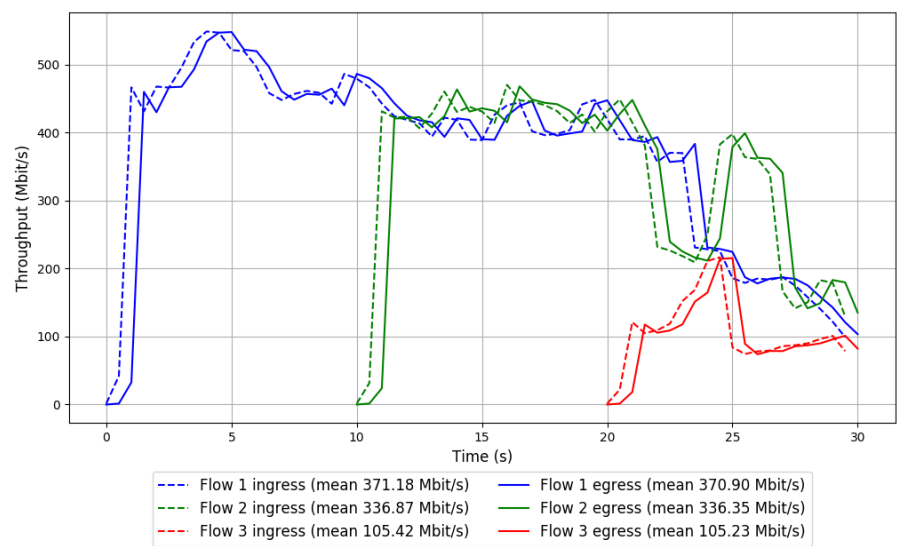


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 00:04:33  
End at: 2018-06-30 00:05:03  
Local clock offset: -0.089 ms  
Remote clock offset: -2.206 ms

# Below is generated by plot.py at 2018-06-30 03:46:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 629.35 Mbit/s  
95th percentile per-packet one-way delay: 19.653 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 370.90 Mbit/s  
95th percentile per-packet one-way delay: 19.729 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 336.35 Mbit/s  
95th percentile per-packet one-way delay: 19.370 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 105.23 Mbit/s  
95th percentile per-packet one-way delay: 19.949 ms  
Loss rate: 0.18%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 00:31:30

End at: 2018-06-30 00:32:00

Local clock offset: -0.271 ms

Remote clock offset: 3.467 ms

# Below is generated by plot.py at 2018-06-30 03:47:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 608.86 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 371.99 Mbit/s

95th percentile per-packet one-way delay: 19.889 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 308.01 Mbit/s

95th percentile per-packet one-way delay: 19.800 ms

Loss rate: 0.22%

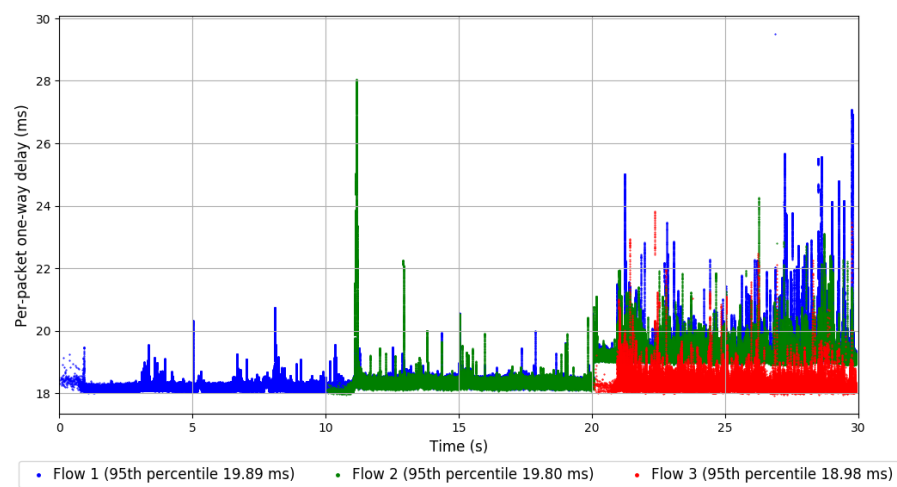
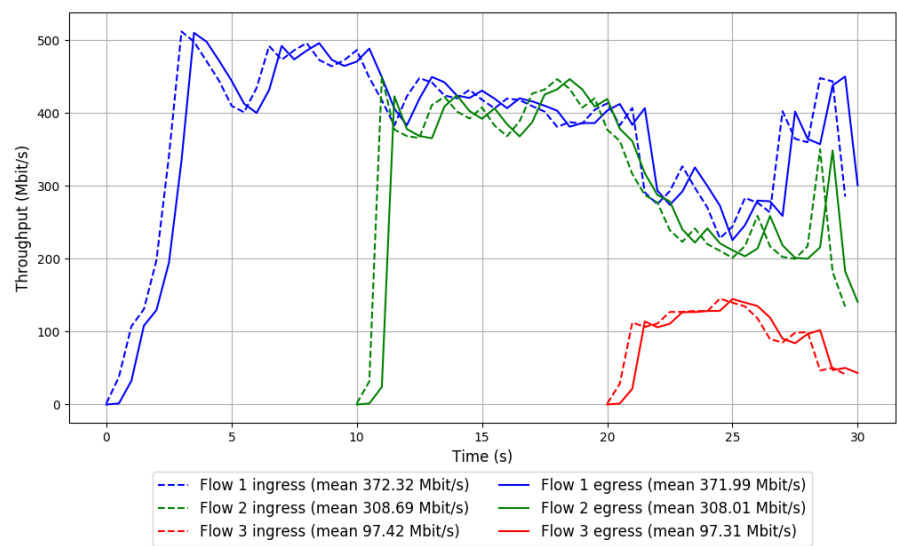
-- Flow 3:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 18.977 ms

Loss rate: 0.11%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 00:58:22

End at: 2018-06-30 00:58:52

Local clock offset: 2.865 ms

Remote clock offset: 3.219 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 602.88 Mbit/s

95th percentile per-packet one-way delay: 28.170 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 348.53 Mbit/s

95th percentile per-packet one-way delay: 33.904 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 279.39 Mbit/s

95th percentile per-packet one-way delay: 20.411 ms

Loss rate: 0.41%

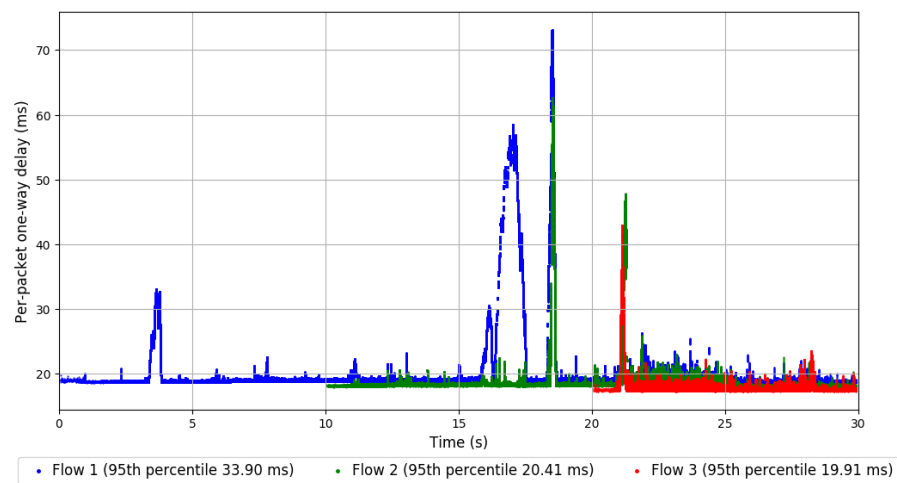
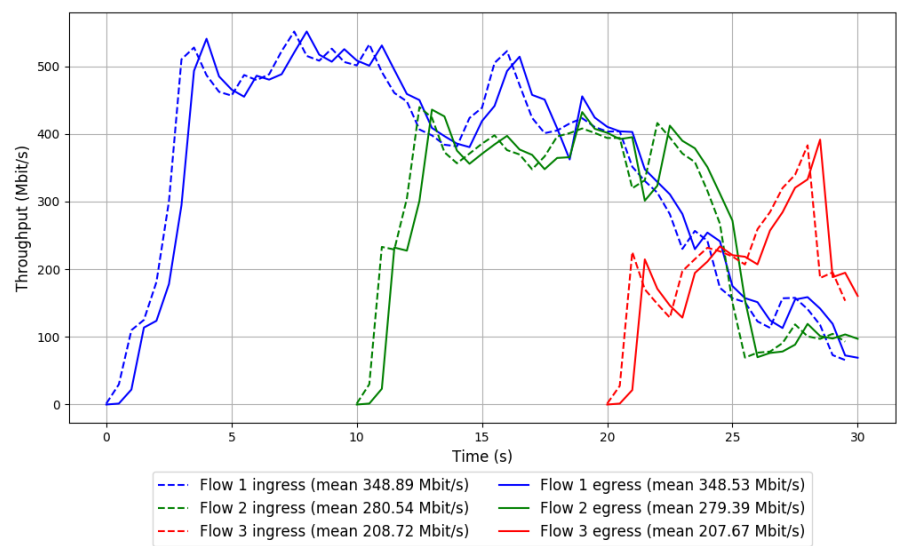
-- Flow 3:

Average throughput: 207.67 Mbit/s

95th percentile per-packet one-way delay: 19.914 ms

Loss rate: 0.51%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-29 20:58:21

End at: 2018-06-29 20:58:51

Local clock offset: 2.792 ms

Remote clock offset: 3.088 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 21.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 20.908 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 20.914 ms

Loss rate: 0.00%

-- Flow 3:

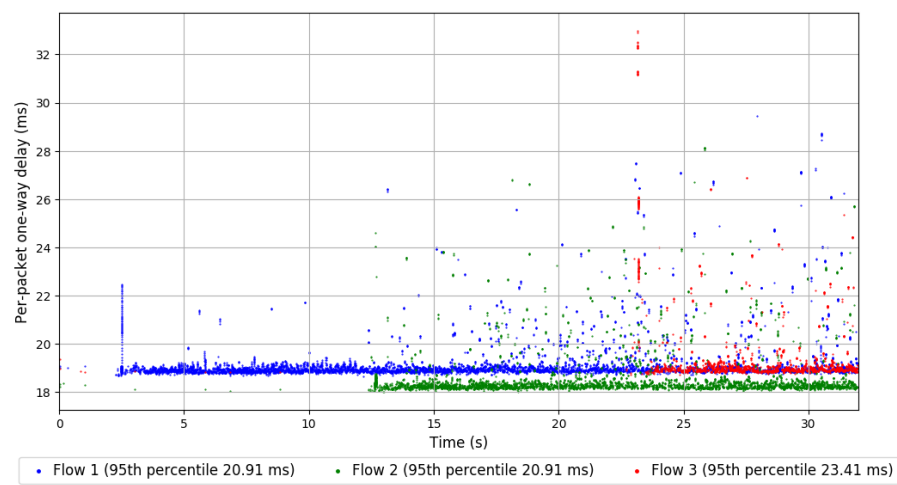
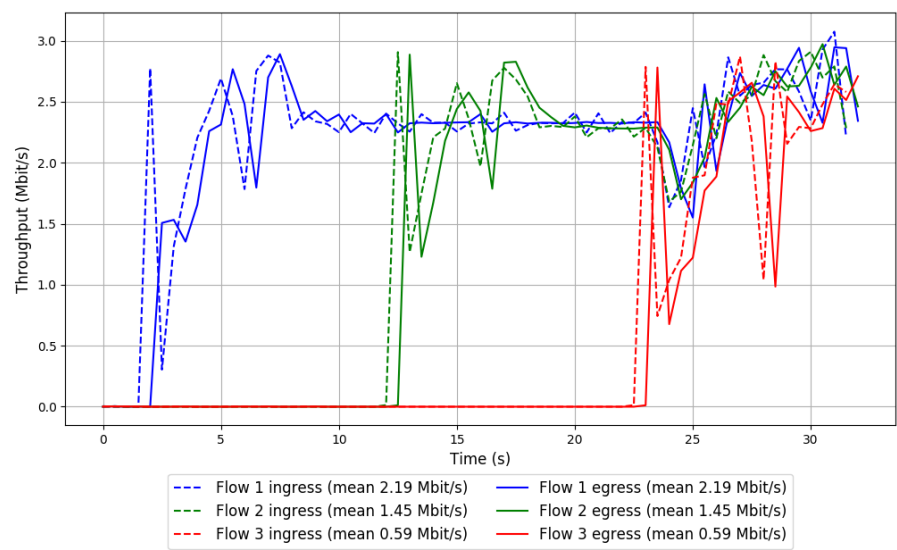
Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 23.409 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

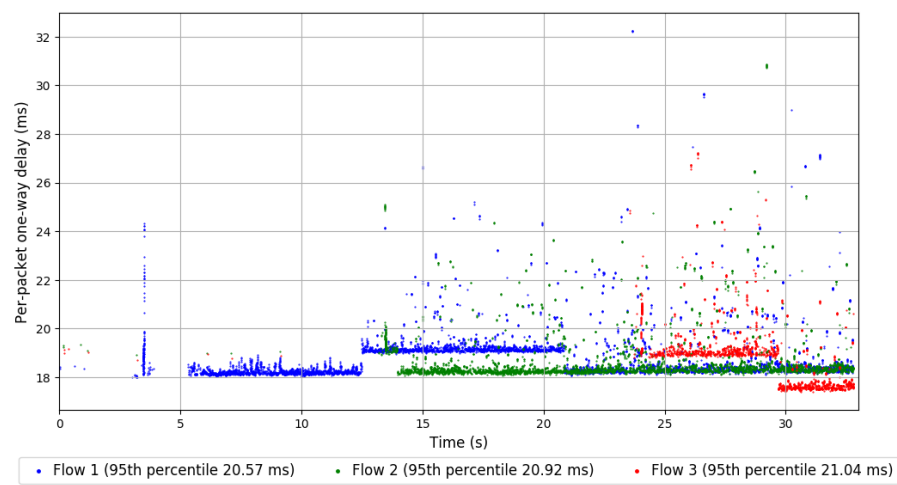
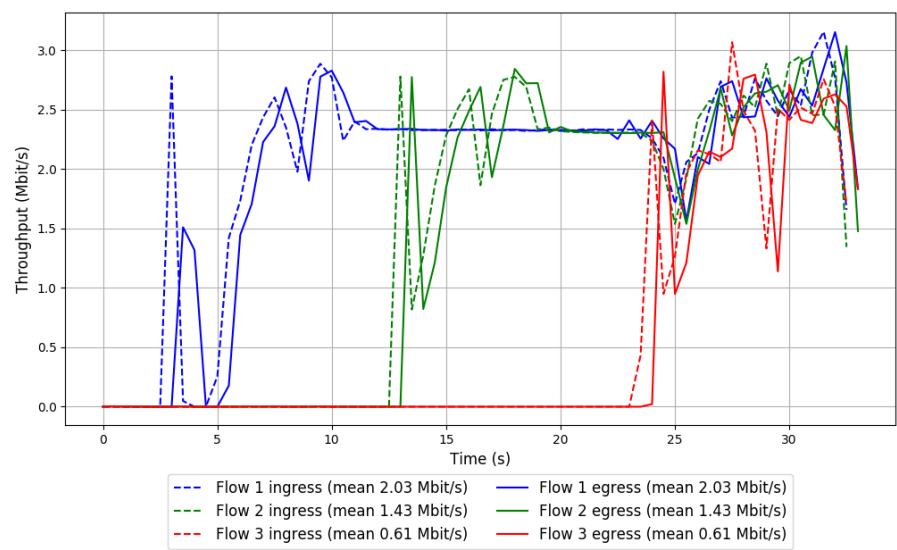


Run 2: Statistics of WebRTC media

Start at: 2018-06-29 21:25:06  
End at: 2018-06-29 21:25:36  
Local clock offset: 3.596 ms  
Remote clock offset: -1.198 ms

# Below is generated by plot.py at 2018-06-30 03:47:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 20.814 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.03 Mbit/s  
95th percentile per-packet one-way delay: 20.572 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 20.917 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 21.039 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

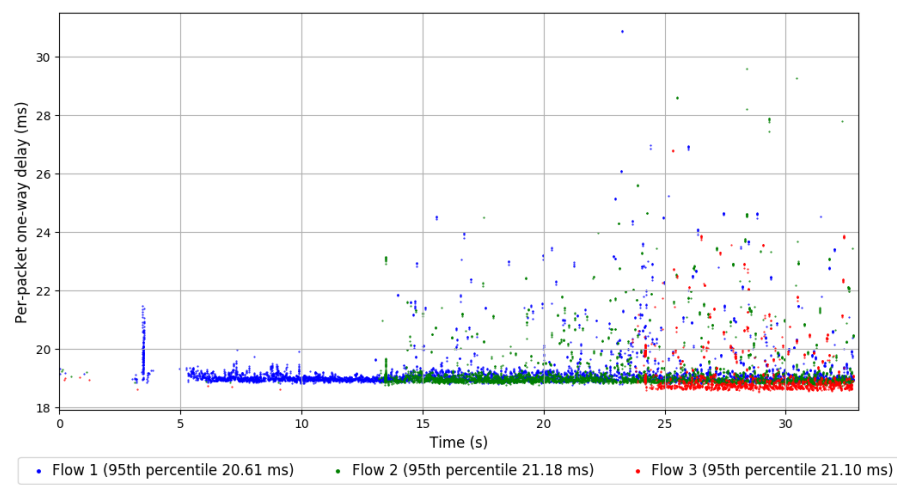
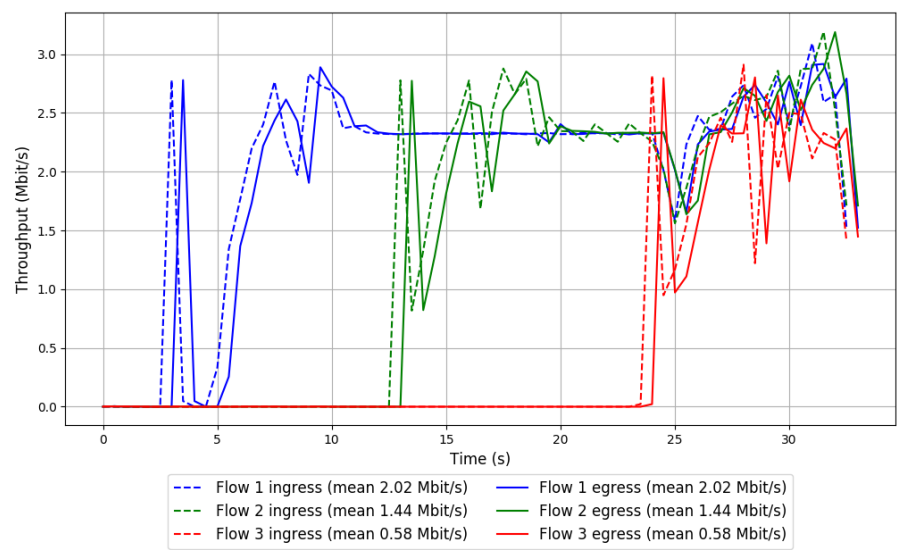


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 21:51:55  
End at: 2018-06-29 21:52:25  
Local clock offset: 1.694 ms  
Remote clock offset: -5.201 ms

# Below is generated by plot.py at 2018-06-30 03:47:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 20.916 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 20.612 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 21.184 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 21.101 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

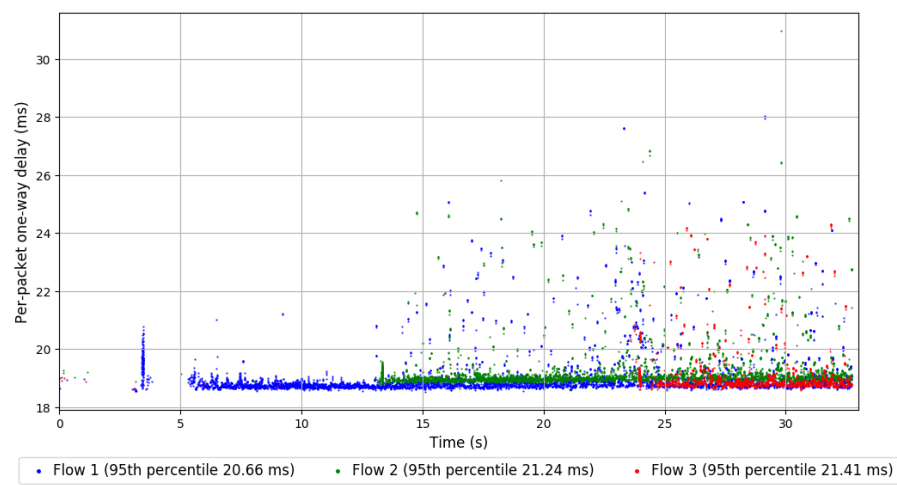
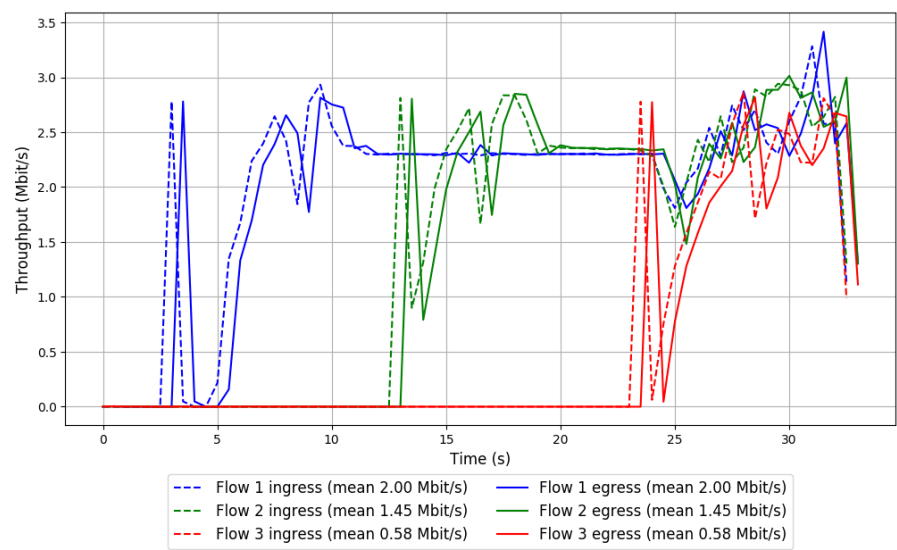


Run 4: Statistics of WebRTC media

Start at: 2018-06-29 22:18:41  
End at: 2018-06-29 22:19:11  
Local clock offset: -0.132 ms  
Remote clock offset: -7.044 ms

# Below is generated by plot.py at 2018-06-30 03:47:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 20.873 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 20.660 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 21.237 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 21.413 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 22:45:31

End at: 2018-06-29 22:46:01

Local clock offset: -0.142 ms

Remote clock offset: 4.331 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 19.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 19.187 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 19.357 ms

Loss rate: 0.00%

-- Flow 3:

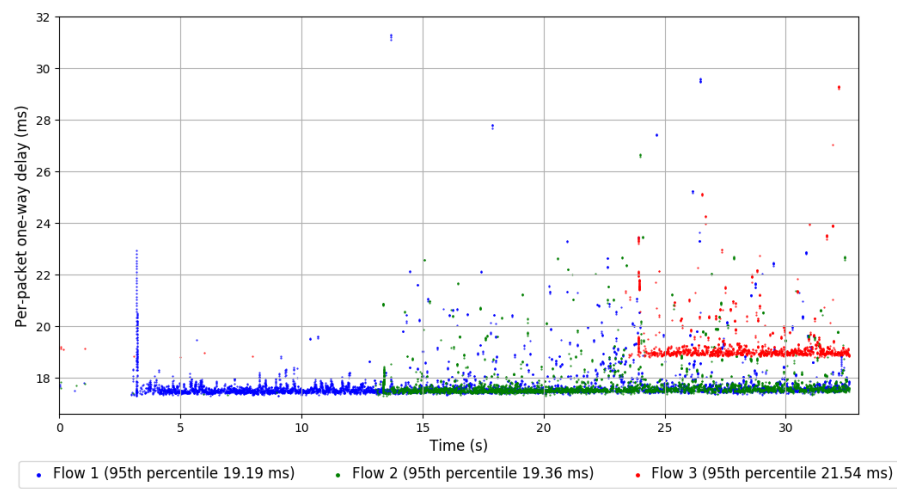
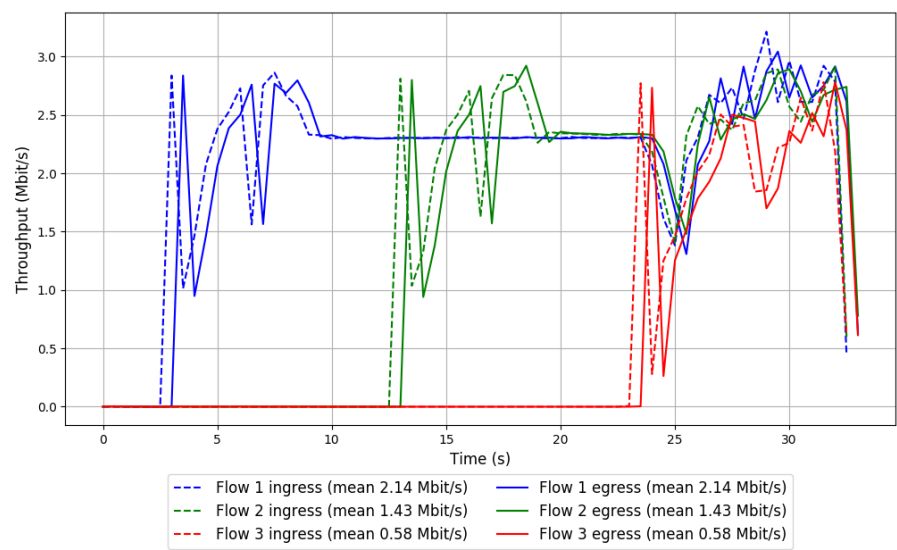
Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 21.541 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-29 23:12:22

End at: 2018-06-29 23:12:52

Local clock offset: 3.905 ms

Remote clock offset: 8.469 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 20.742 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 20.582 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 20.801 ms

Loss rate: 0.00%

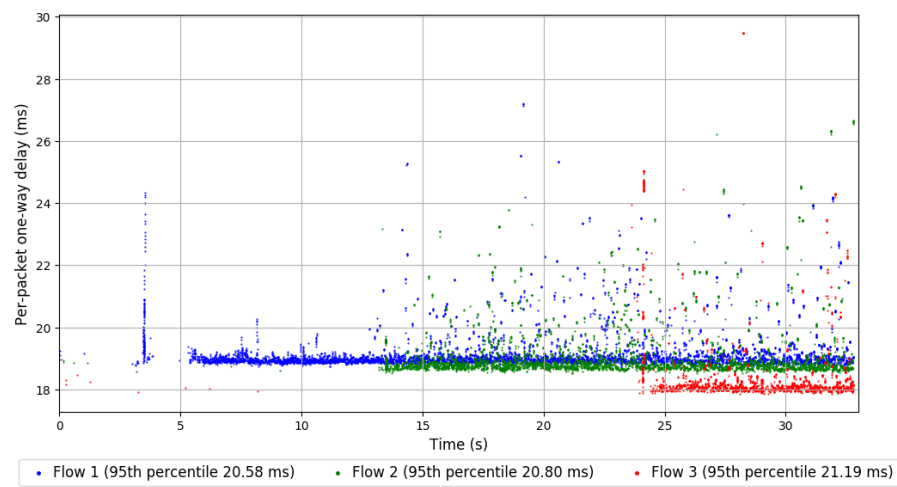
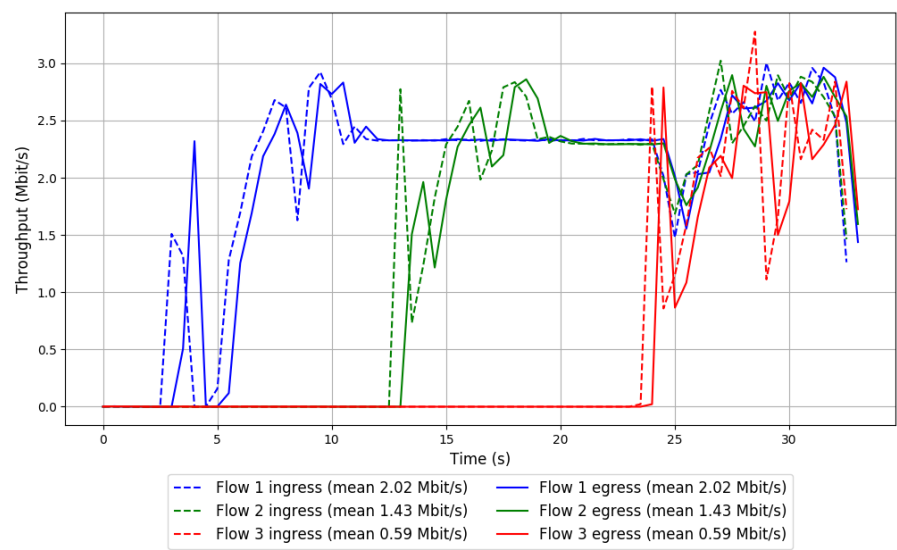
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 21.187 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-29 23:39:21

End at: 2018-06-29 23:39:51

Local clock offset: -0.334 ms

Remote clock offset: 4.712 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 20.693 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 20.107 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 21.332 ms

Loss rate: 0.00%

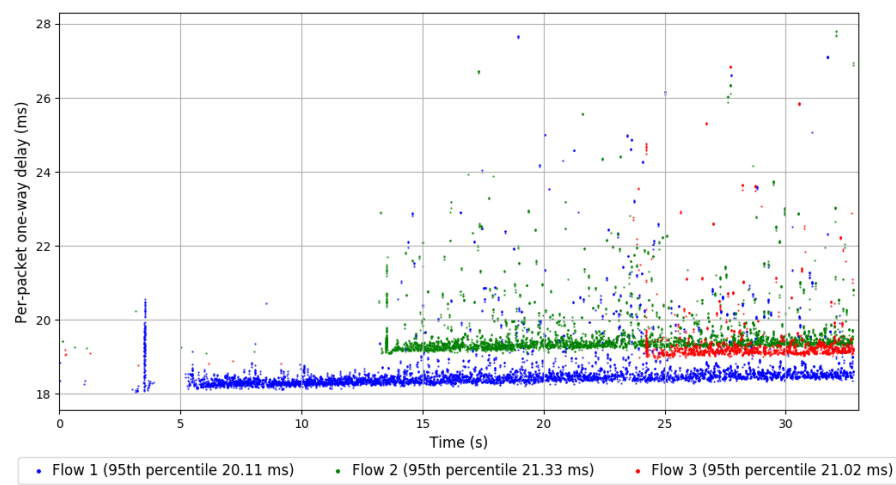
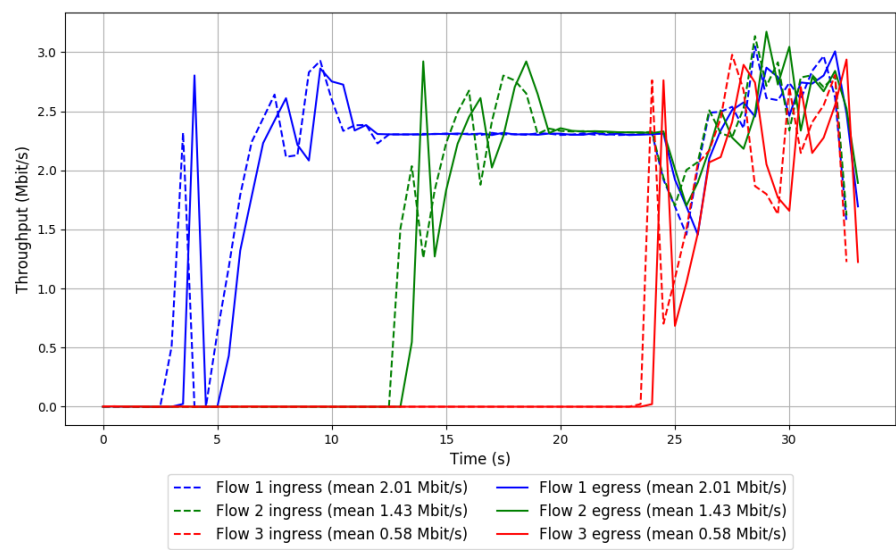
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 21.018 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

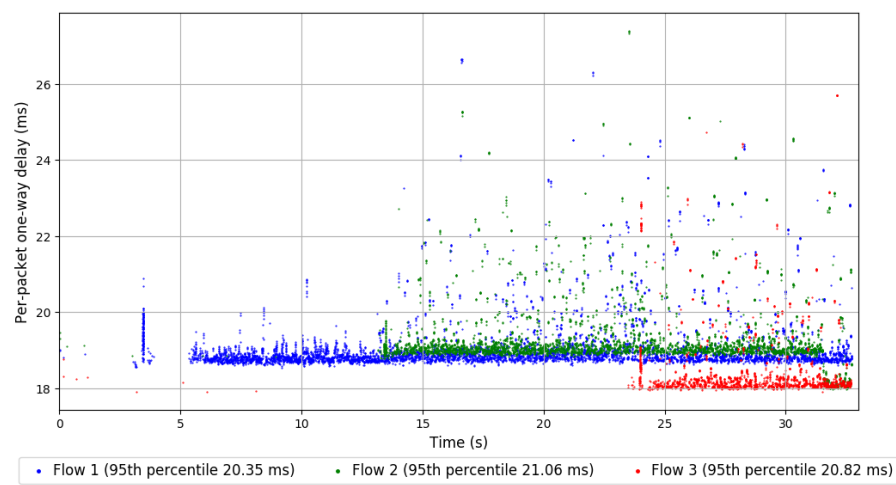
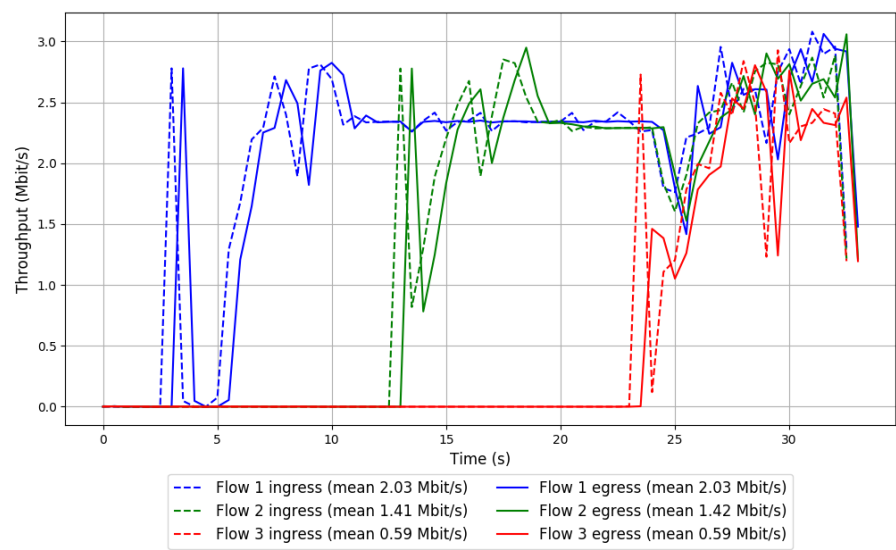


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 00:06:21  
End at: 2018-06-30 00:06:51  
Local clock offset: -0.08 ms  
Remote clock offset: -2.463 ms

# Below is generated by plot.py at 2018-06-30 03:47:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 20.716 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.03 Mbit/s  
95th percentile per-packet one-way delay: 20.352 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 21.061 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.59 Mbit/s  
95th percentile per-packet one-way delay: 20.821 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-30 00:33:16

End at: 2018-06-30 00:33:46

Local clock offset: -0.292 ms

Remote clock offset: 3.55 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 20.360 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 19.611 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 21.145 ms

Loss rate: 0.00%

-- Flow 3:

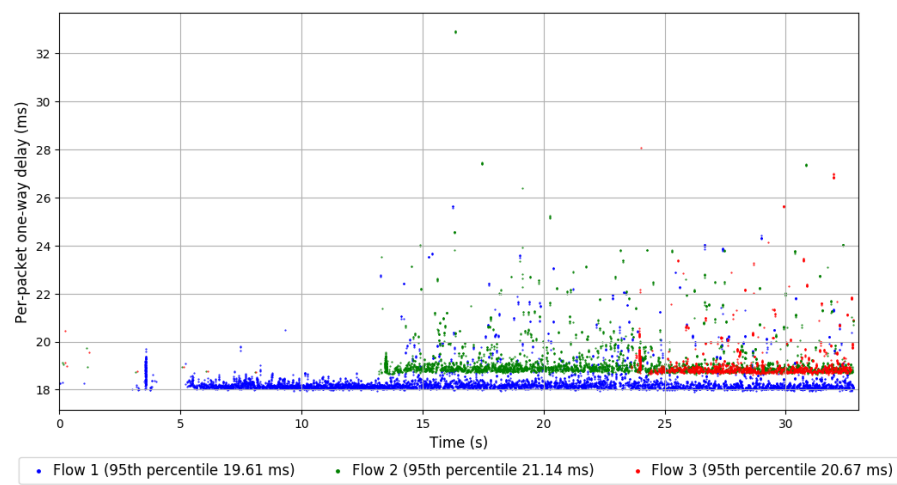
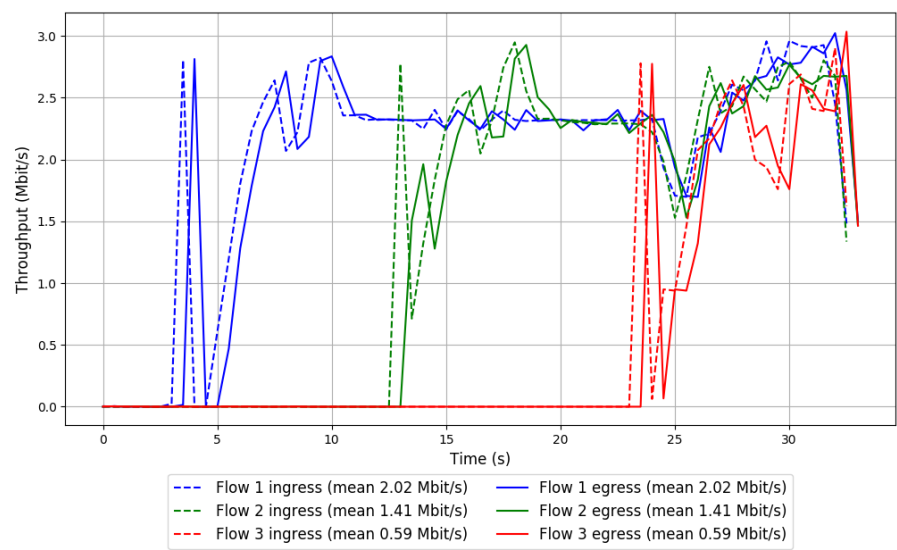
Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 20.669 ms

Loss rate: 0.41%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 01:00:08

End at: 2018-06-30 01:00:38

Local clock offset: 3.108 ms

Remote clock offset: 3.199 ms

# Below is generated by plot.py at 2018-06-30 03:47:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 20.186 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 19.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 20.218 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 20.391 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

