

## Pantheon Report

Generated at 2018-05-22 06:44:28 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

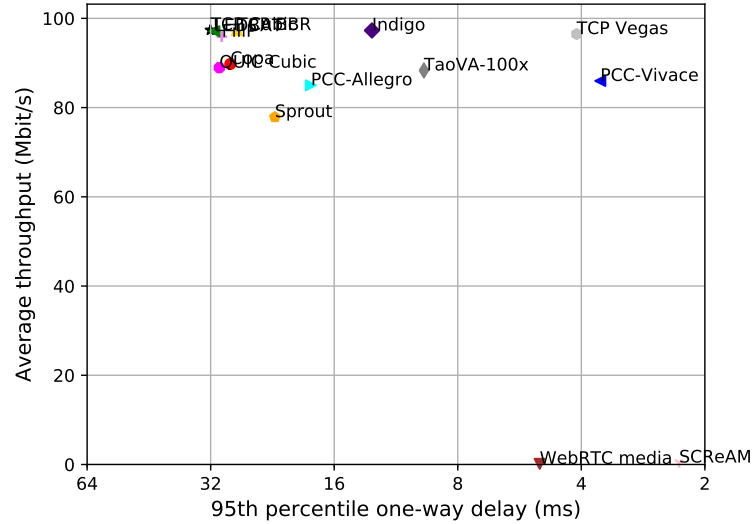
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

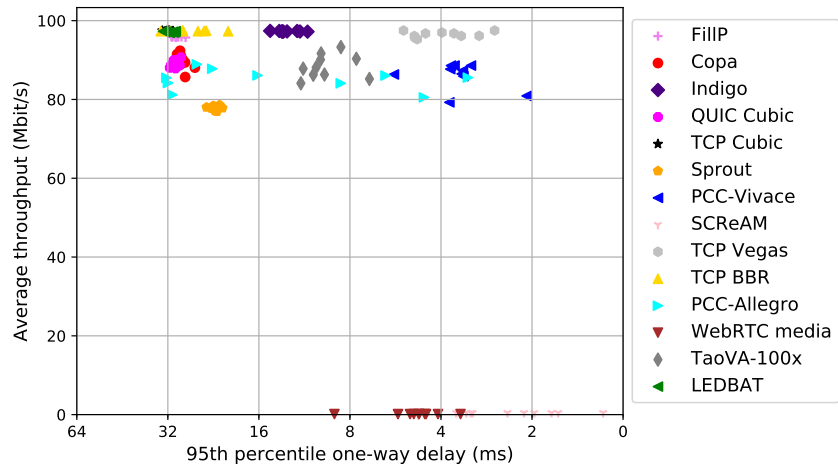
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	73.60	25.24	20.88	27.48	27.09	30.97	0.24	0.13	1.31
Copa	10	53.55	39.41	29.95	27.90	28.99	29.56	0.01	0.02	0.04
TCP Cubic	10	65.95	34.17	26.17	31.81	32.17	32.08	0.03	0.08	0.17
FillP	10	51.28	48.96	36.36	29.44	29.55	29.57	11.80	20.97	25.60
Indigo	10	47.27	40.18	71.78	10.85	12.77	13.51	0.00	0.00	0.00
LEDBAT	10	60.92	39.11	30.76	31.03	31.53	31.59	0.04	0.08	0.11
PCC-Allegro	10	65.83	21.22	15.31	14.48	21.36	21.75	0.05	0.08	0.19
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	56.17	34.88	29.25	29.78	30.77	30.70	0.16	0.22	0.29
SCReAM	10	0.22	0.22	0.22	1.49	1.88	1.27	0.00	0.00	0.00
Sprout	10	42.30	38.11	30.91	20.78	22.26	24.41	0.00	0.00	0.01
TaoVA-100x	10	54.24	33.72	34.96	8.56	10.46	11.12	0.01	0.05	0.20
TCP Vegas	10	53.55	42.95	43.08	4.64	3.46	3.76	0.00	0.00	0.00
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	55.18	33.54	25.70	3.07	6.35	5.16	0.01	0.04	0.00
WebRTC media	10	0.05	0.05	0.05	4.16	4.77	5.18	0.00	0.00	0.00

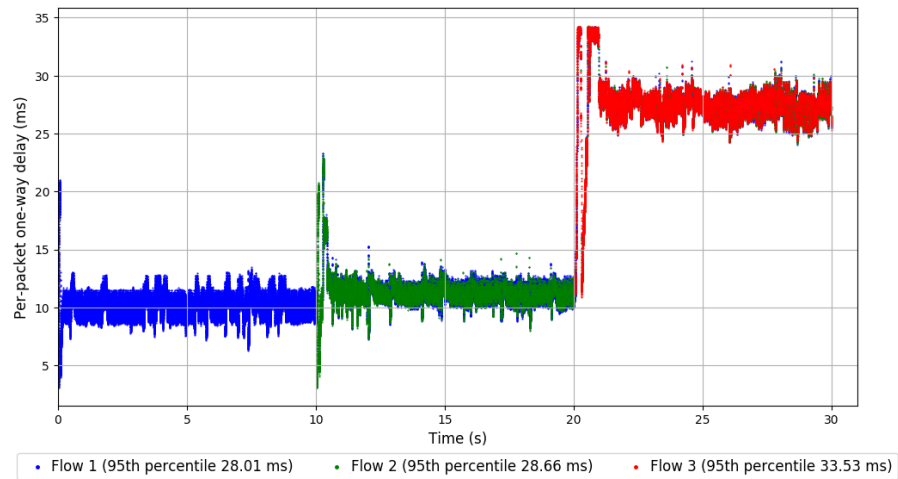
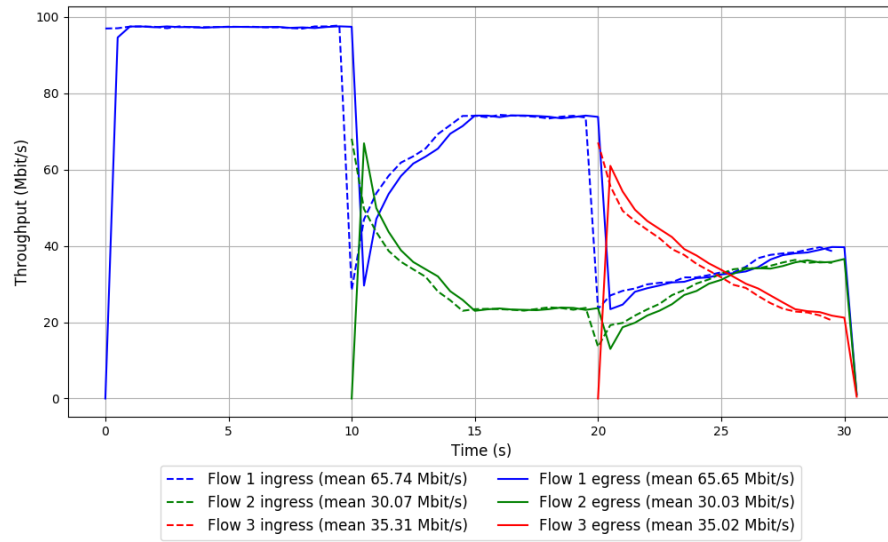
Run 1: Statistics of TCP BBR

Start at: 2018-05-22 03:27:57  
End at: 2018-05-22 03:28:27  
Local clock offset: -6.218 ms  
Remote clock offset: -2.493 ms

# Below is generated by plot.py at 2018-05-22 06:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 28.538 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 65.65 Mbit/s  
95th percentile per-packet one-way delay: 28.008 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 30.03 Mbit/s  
95th percentile per-packet one-way delay: 28.660 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 35.02 Mbit/s  
95th percentile per-packet one-way delay: 33.527 ms  
Loss rate: 0.66%



# Run 1: Report of TCP BBR — Data Link

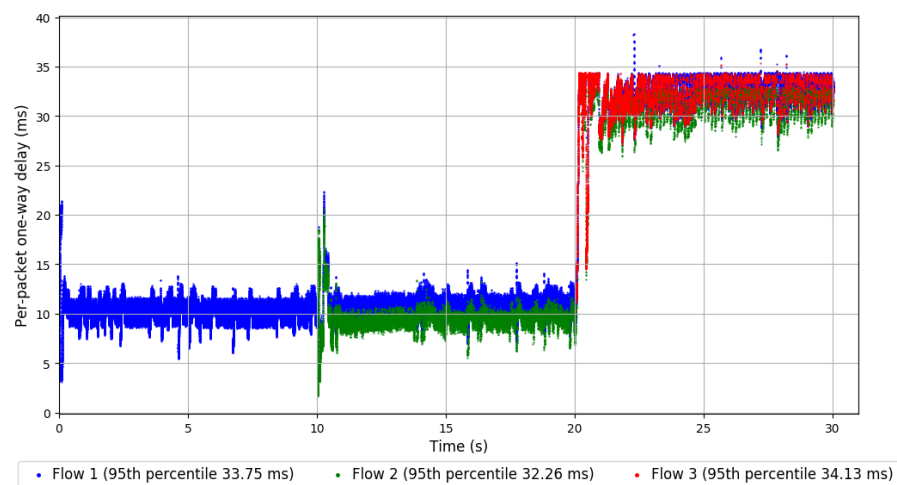
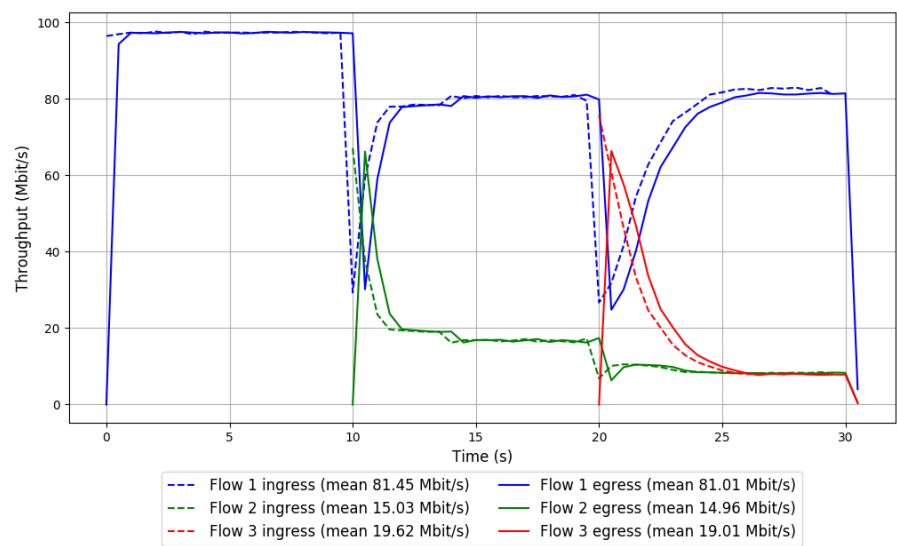


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 03:45:48  
End at: 2018-05-22 03:46:19  
Local clock offset: -6.492 ms  
Remote clock offset: -4.411 ms

# Below is generated by plot.py at 2018-05-22 06:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 33.779 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 81.01 Mbit/s  
95th percentile per-packet one-way delay: 33.753 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 14.96 Mbit/s  
95th percentile per-packet one-way delay: 32.256 ms  
Loss rate: 0.35%  
-- Flow 3:  
Average throughput: 19.01 Mbit/s  
95th percentile per-packet one-way delay: 34.131 ms  
Loss rate: 2.87%

Run 2: Report of TCP BBR — Data Link

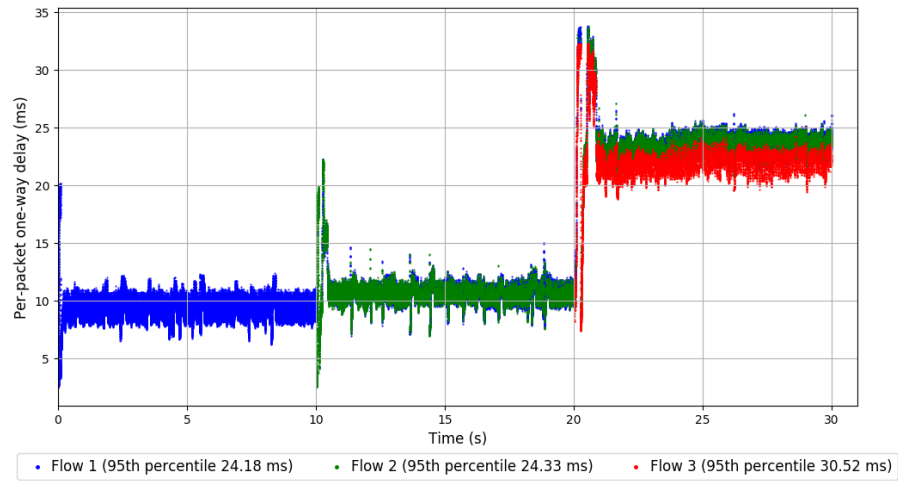
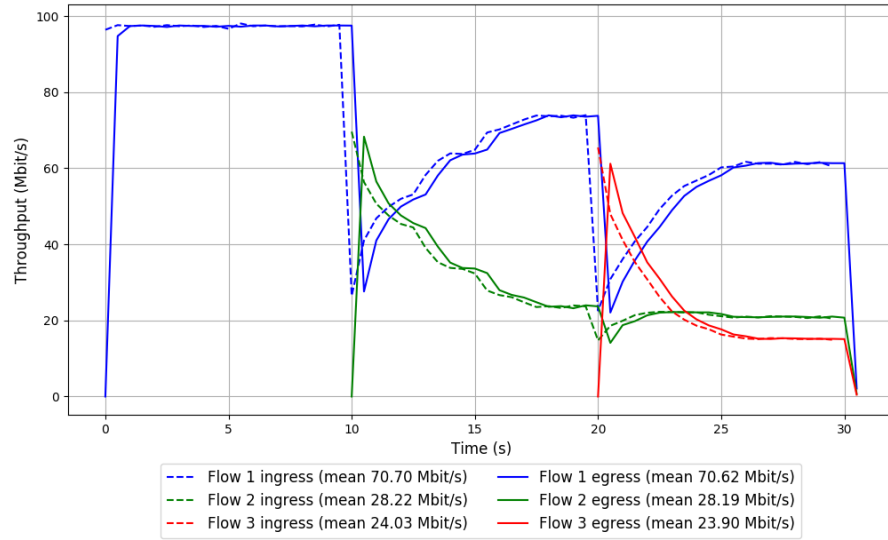


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 04:03:40  
End at: 2018-05-22 04:04:10  
Local clock offset: -2.122 ms  
Remote clock offset: -7.583 ms

# Below is generated by plot.py at 2018-05-22 06:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 24.286 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 70.62 Mbit/s  
95th percentile per-packet one-way delay: 24.182 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 28.19 Mbit/s  
95th percentile per-packet one-way delay: 24.327 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 23.90 Mbit/s  
95th percentile per-packet one-way delay: 30.518 ms  
Loss rate: 0.40%

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

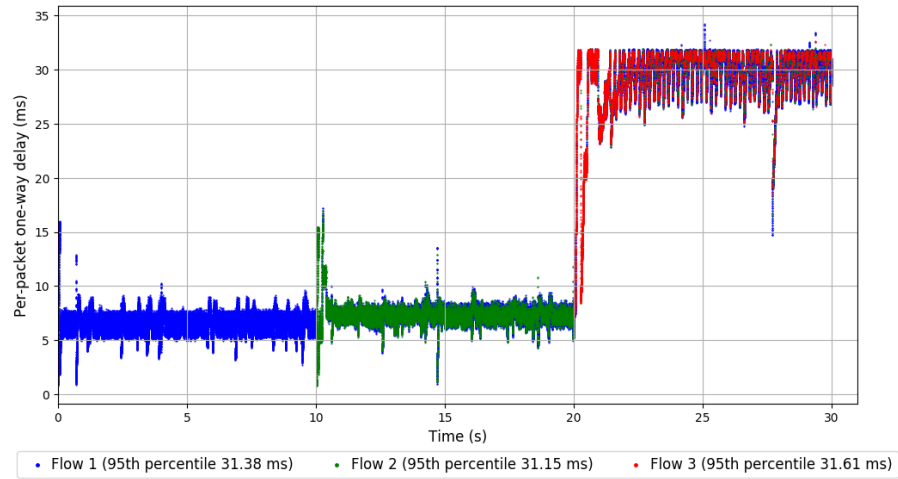
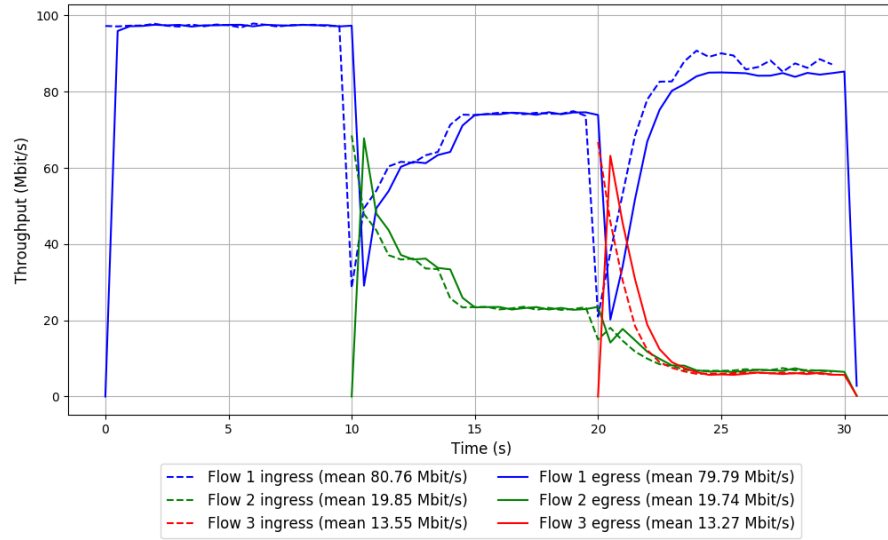


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 04:21:31  
End at: 2018-05-22 04:22:01  
Local clock offset: 1.452 ms  
Remote clock offset: -5.402 ms

# Below is generated by plot.py at 2018-05-22 06:25:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 31.382 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 79.79 Mbit/s  
95th percentile per-packet one-way delay: 31.379 ms  
Loss rate: 1.10%  
-- Flow 2:  
Average throughput: 19.74 Mbit/s  
95th percentile per-packet one-way delay: 31.149 ms  
Loss rate: 0.39%  
-- Flow 3:  
Average throughput: 13.27 Mbit/s  
95th percentile per-packet one-way delay: 31.607 ms  
Loss rate: 1.87%

# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-22 04:39:22

End at: 2018-05-22 04:39:52

Local clock offset: 3.163 ms

Remote clock offset: -1.95 ms

# Below is generated by plot.py at 2018-05-22 06:25:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 20.218 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 20.138 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 19.659 ms

Loss rate: 0.00%

-- Flow 3:

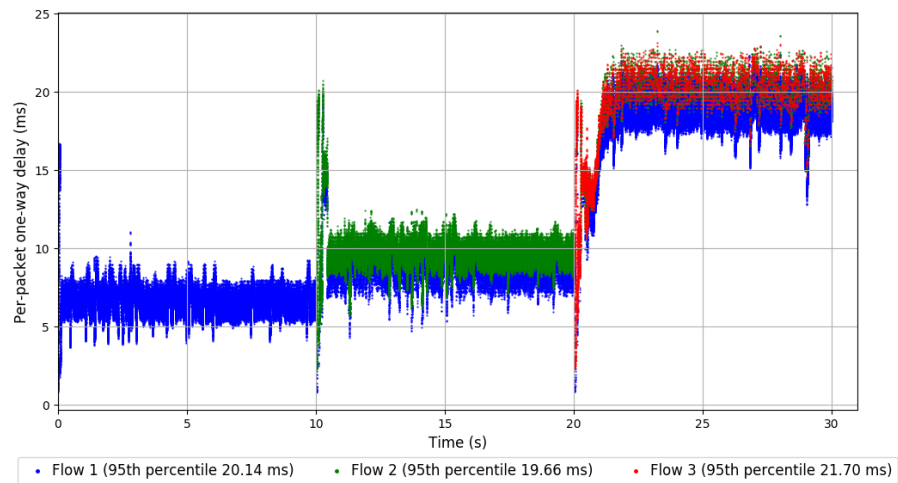
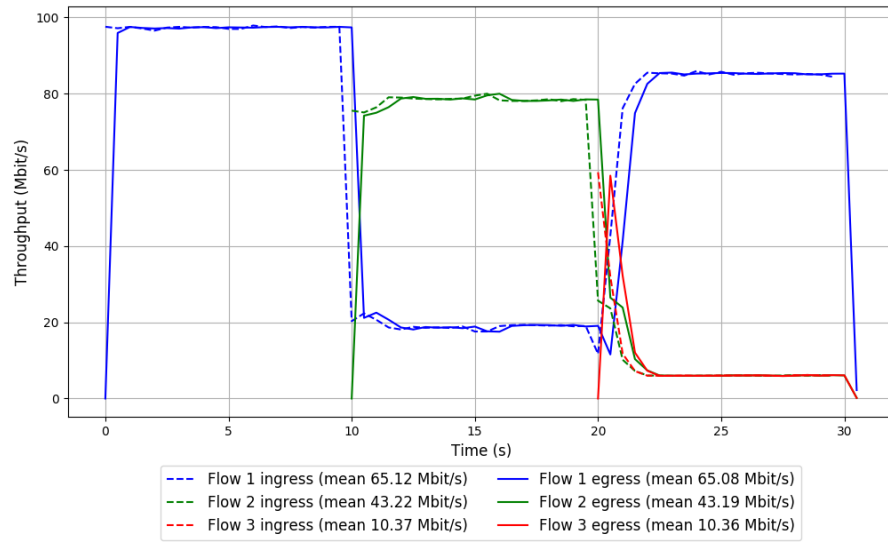
Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 21.695 ms

Loss rate: 0.00%



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



Run 6: Statistics of TCP BBR

Start at: 2018-05-22 04:57:14

End at: 2018-05-22 04:57:44

Local clock offset: 3.731 ms

Remote clock offset: 4.207 ms

# Below is generated by plot.py at 2018-05-22 06:25:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 31.362 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 31.286 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 30.914 ms

Loss rate: 0.27%

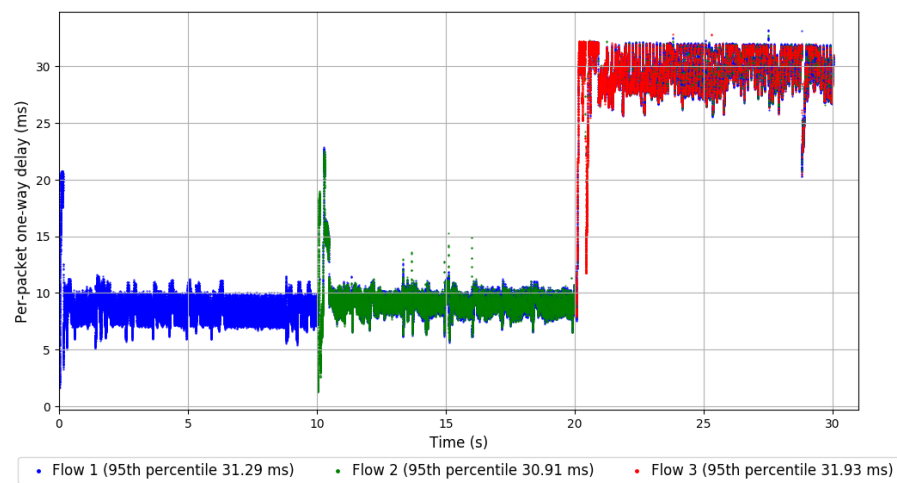
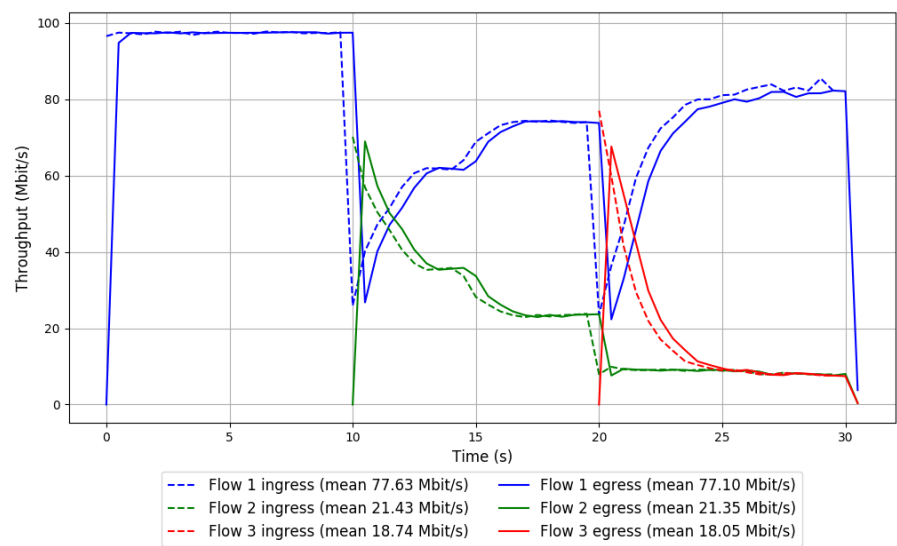
-- Flow 3:

Average throughput: 18.05 Mbit/s

95th percentile per-packet one-way delay: 31.928 ms

Loss rate: 3.48%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-22 05:15:06

End at: 2018-05-22 05:15:36

Local clock offset: -7.268 ms

Remote clock offset: 9.734 ms

# Below is generated by plot.py at 2018-05-22 06:25:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 25.445 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 25.440 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 19.37 Mbit/s

95th percentile per-packet one-way delay: 24.310 ms

Loss rate: 0.02%

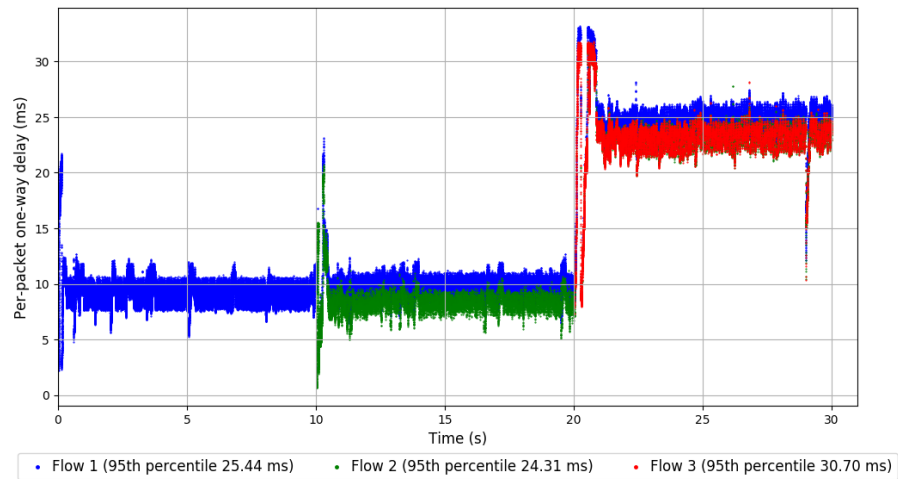
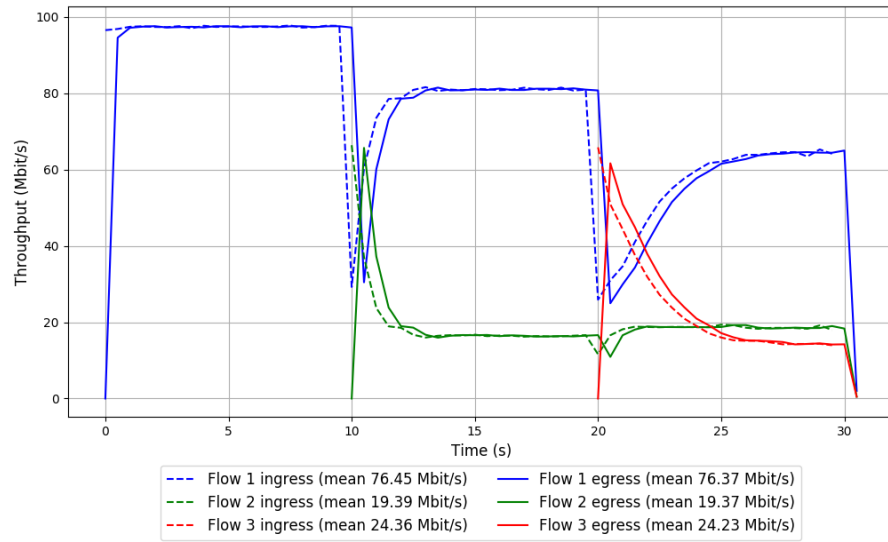
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 30.705 ms

Loss rate: 0.40%

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



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 05:32:57

End at: 2018-05-22 05:33:27

Local clock offset: -8.05 ms

Remote clock offset: 1.376 ms

# Below is generated by plot.py at 2018-05-22 06:25:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 23.910 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 23.600 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 23.979 ms

Loss rate: 0.01%

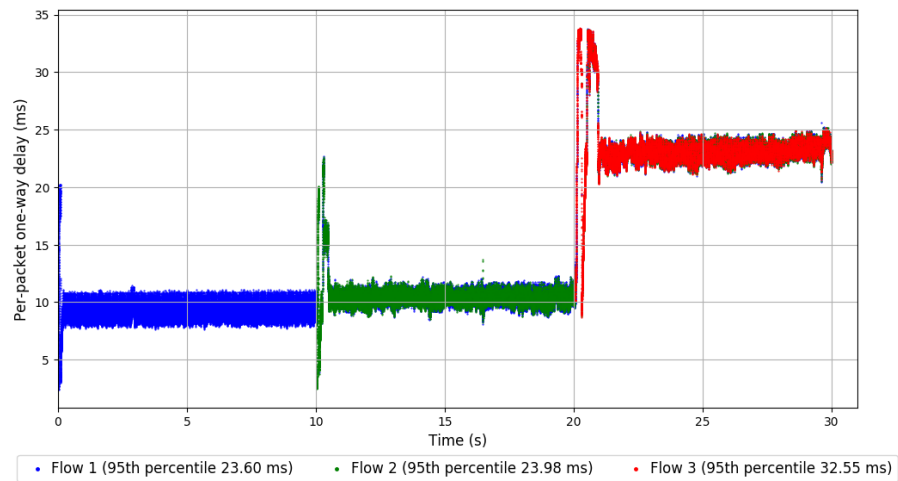
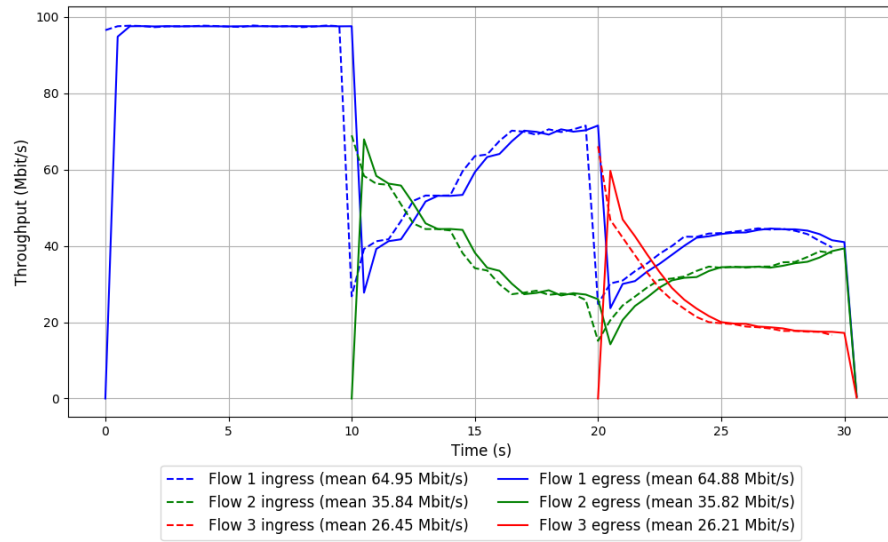
-- Flow 3:

Average throughput: 26.21 Mbit/s

95th percentile per-packet one-way delay: 32.546 ms

Loss rate: 0.80%

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



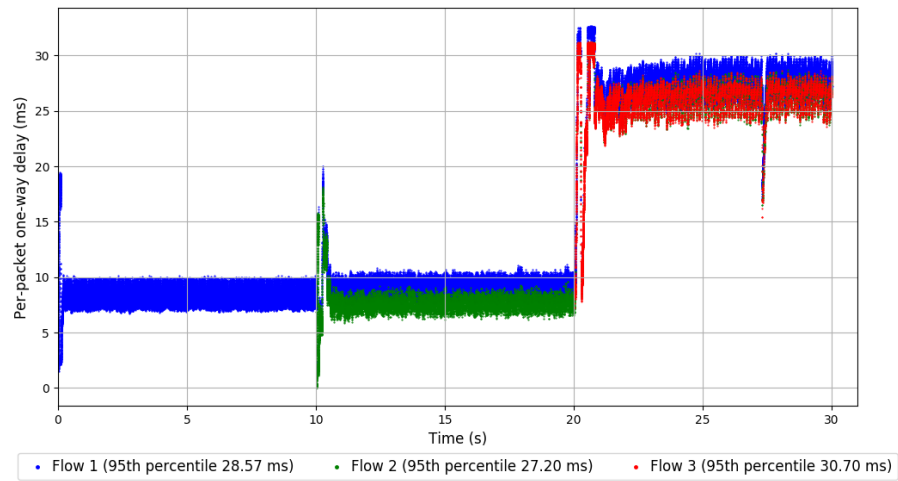
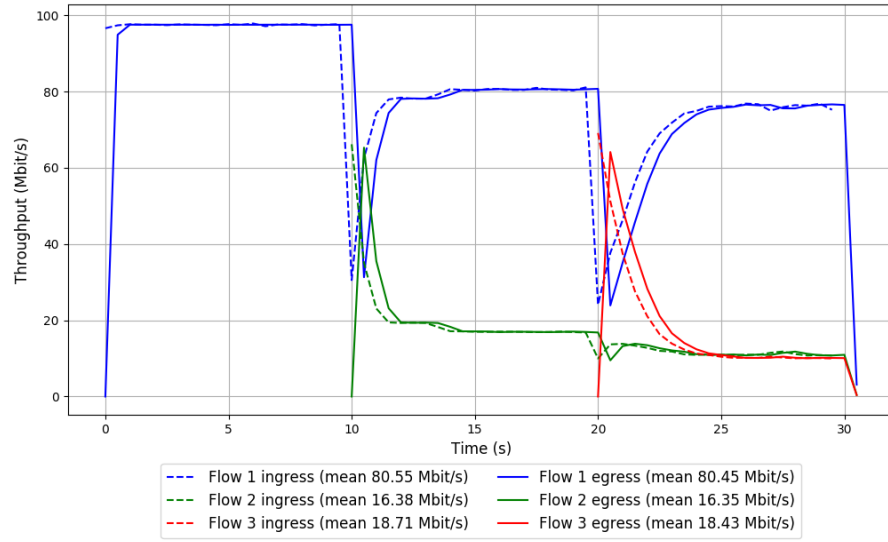
Run 9: Statistics of TCP BBR

Start at: 2018-05-22 05:50:48  
End at: 2018-05-22 05:51:18  
Local clock offset: -6.986 ms  
Remote clock offset: -3.815 ms

# Below is generated by plot.py at 2018-05-22 06:25:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 28.571 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 80.45 Mbit/s  
95th percentile per-packet one-way delay: 28.575 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 16.35 Mbit/s  
95th percentile per-packet one-way delay: 27.197 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 18.43 Mbit/s  
95th percentile per-packet one-way delay: 30.701 ms  
Loss rate: 1.27%



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

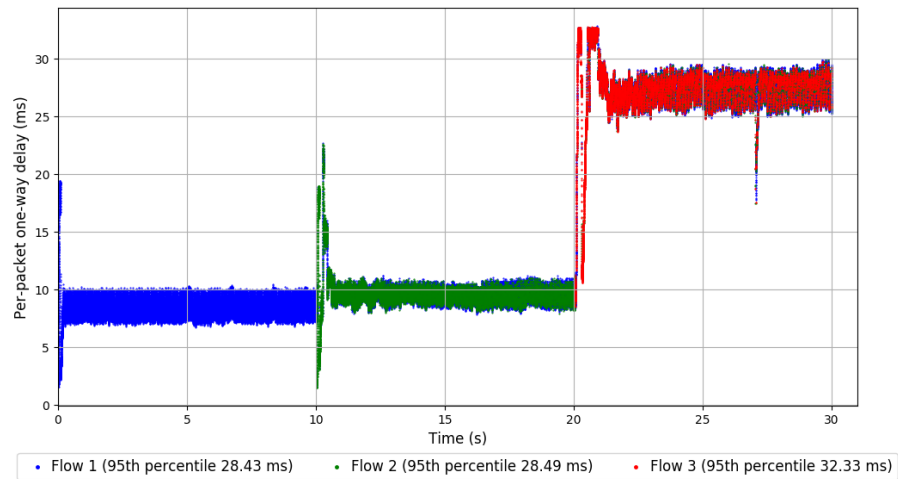
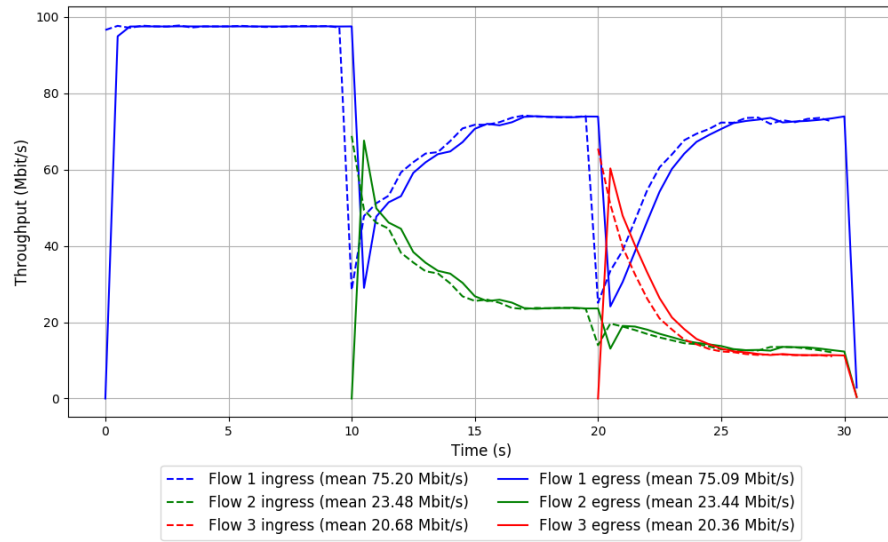


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 06:08:39  
End at: 2018-05-22 06:09:09  
Local clock offset: -6.007 ms  
Remote clock offset: -3.589 ms

# Below is generated by plot.py at 2018-05-22 06:25:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 28.565 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 75.09 Mbit/s  
95th percentile per-packet one-way delay: 28.430 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 23.44 Mbit/s  
95th percentile per-packet one-way delay: 28.494 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 20.36 Mbit/s  
95th percentile per-packet one-way delay: 32.329 ms  
Loss rate: 1.39%

# Run 10: Report of TCP BBR — Data Link

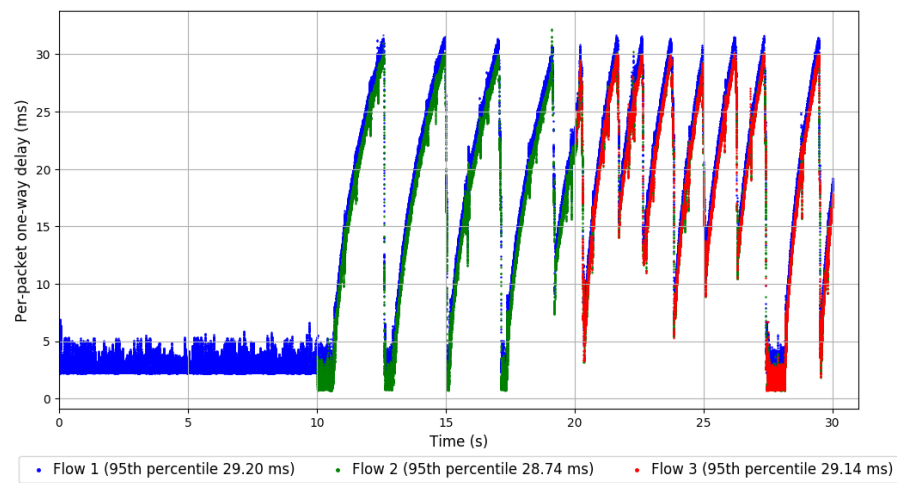
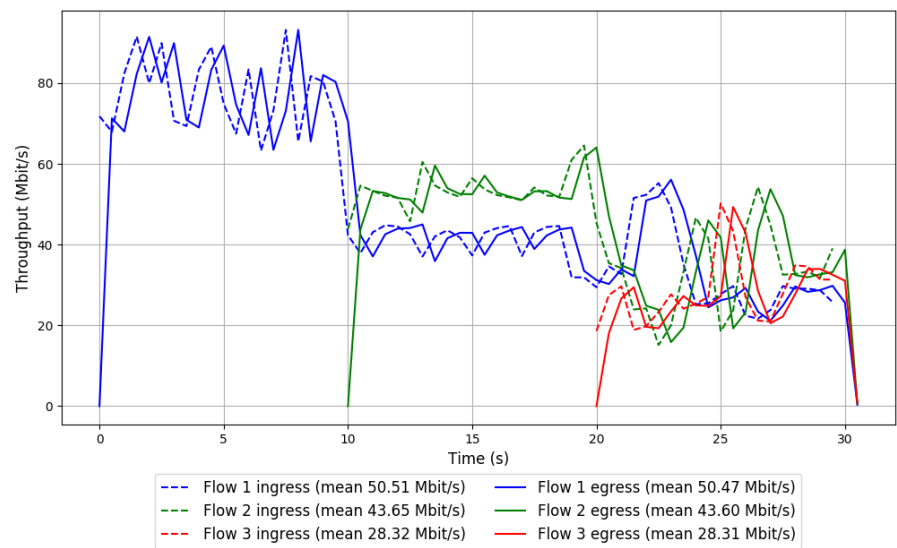


Run 1: Statistics of Copa

Start at: 2018-05-22 03:31:17  
End at: 2018-05-22 03:31:47  
Local clock offset: -5.513 ms  
Remote clock offset: -2.576 ms

# Below is generated by plot.py at 2018-05-22 06:26:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.94 Mbit/s  
95th percentile per-packet one-way delay: 28.999 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 50.47 Mbit/s  
95th percentile per-packet one-way delay: 29.205 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 43.60 Mbit/s  
95th percentile per-packet one-way delay: 28.742 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 28.31 Mbit/s  
95th percentile per-packet one-way delay: 29.142 ms  
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

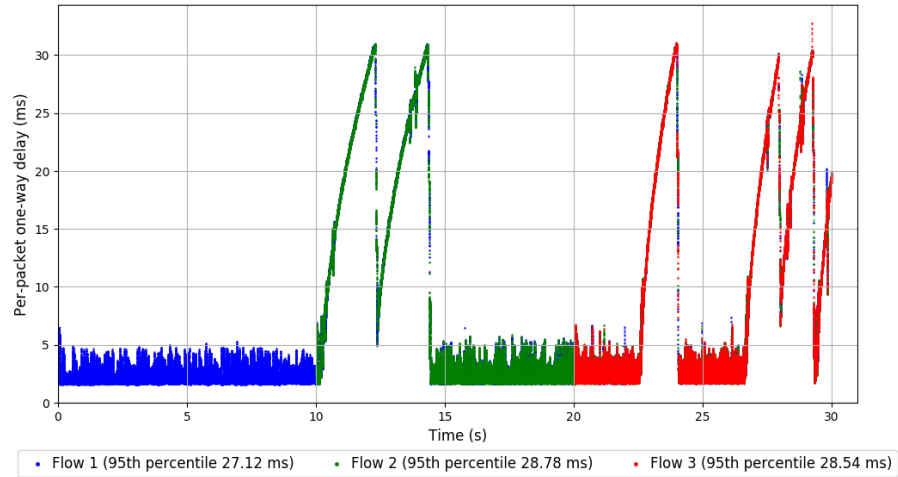
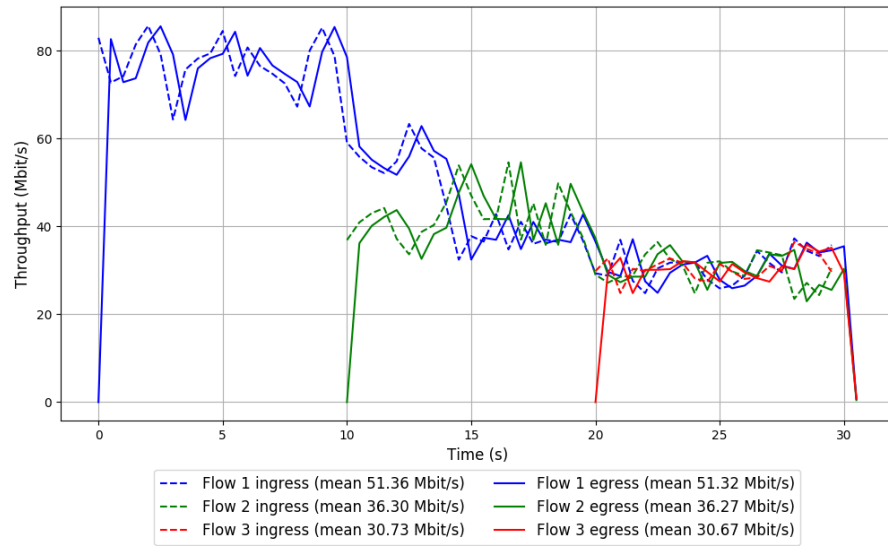


Run 2: Statistics of Copa

Start at: 2018-05-22 03:49:09  
End at: 2018-05-22 03:49:39  
Local clock offset: -4.971 ms  
Remote clock offset: -5.391 ms

# Below is generated by plot.py at 2018-05-22 06:26:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.70 Mbit/s  
95th percentile per-packet one-way delay: 28.043 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 51.32 Mbit/s  
95th percentile per-packet one-way delay: 27.116 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 36.27 Mbit/s  
95th percentile per-packet one-way delay: 28.777 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 30.67 Mbit/s  
95th percentile per-packet one-way delay: 28.541 ms  
Loss rate: 0.03%

## Run 2: Report of Copa — Data Link



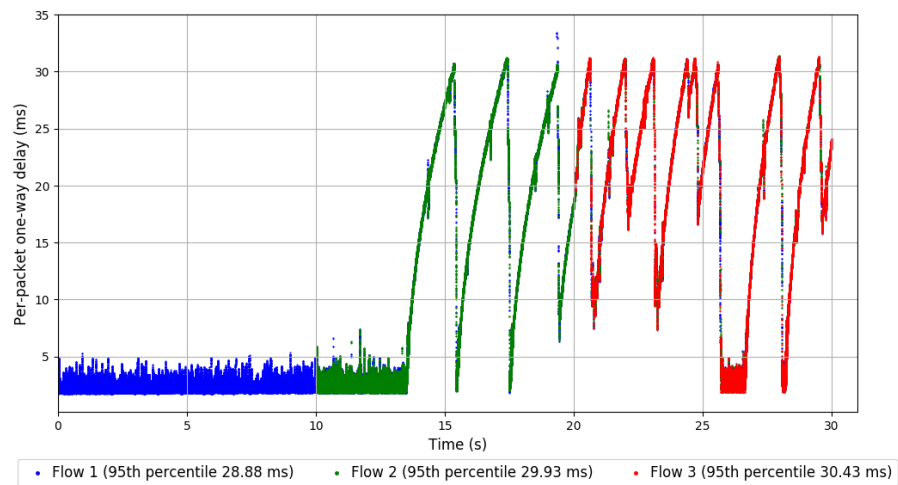
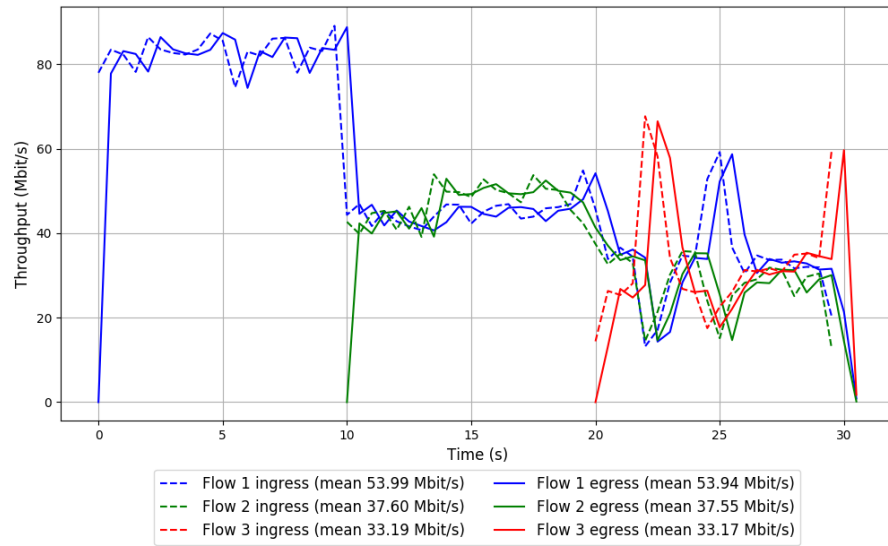
Run 3: Statistics of Copa

Start at: 2018-05-22 04:07:00  
End at: 2018-05-22 04:07:30  
Local clock offset: -1.84 ms  
Remote clock offset: -7.897 ms

# Below is generated by plot.py at 2018-05-22 06:26:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.98 Mbit/s  
95th percentile per-packet one-way delay: 29.640 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 53.94 Mbit/s  
95th percentile per-packet one-way delay: 28.877 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 37.55 Mbit/s  
95th percentile per-packet one-way delay: 29.930 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 33.17 Mbit/s  
95th percentile per-packet one-way delay: 30.425 ms  
Loss rate: 0.02%



### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-22 04:24:51

End at: 2018-05-22 04:25:21

Local clock offset: 2.591 ms

Remote clock offset: -4.44 ms

# Below is generated by plot.py at 2018-05-22 06:26:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 28.079 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.84 Mbit/s

95th percentile per-packet one-way delay: 28.191 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 27.857 ms

Loss rate: 0.03%

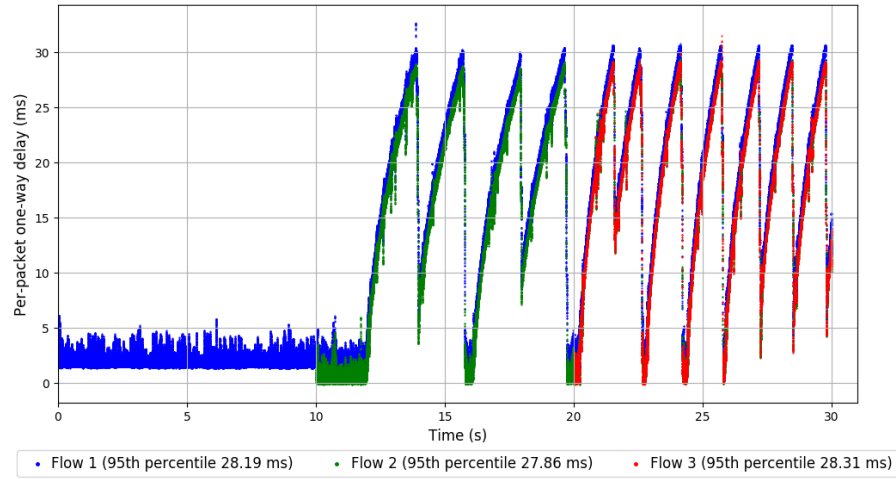
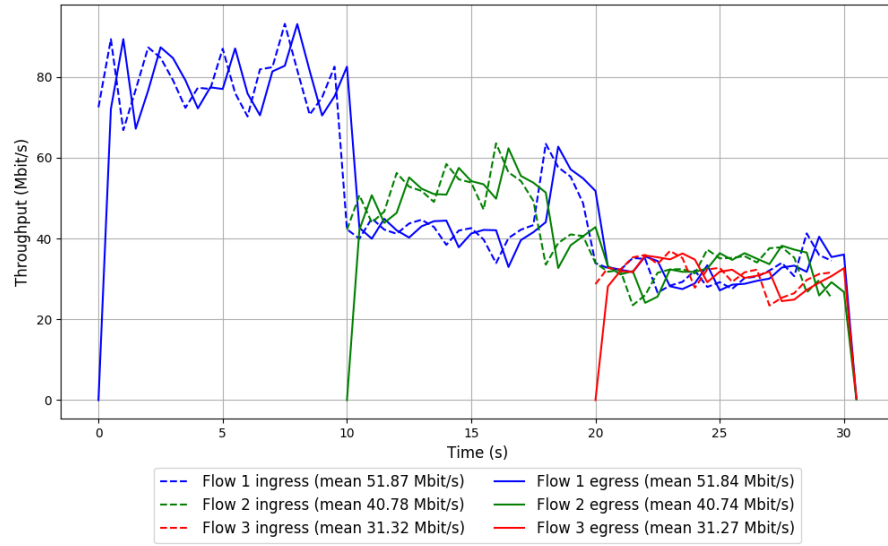
-- Flow 3:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 28.306 ms

Loss rate: 0.02%

# Run 4: Report of Copa — Data Link

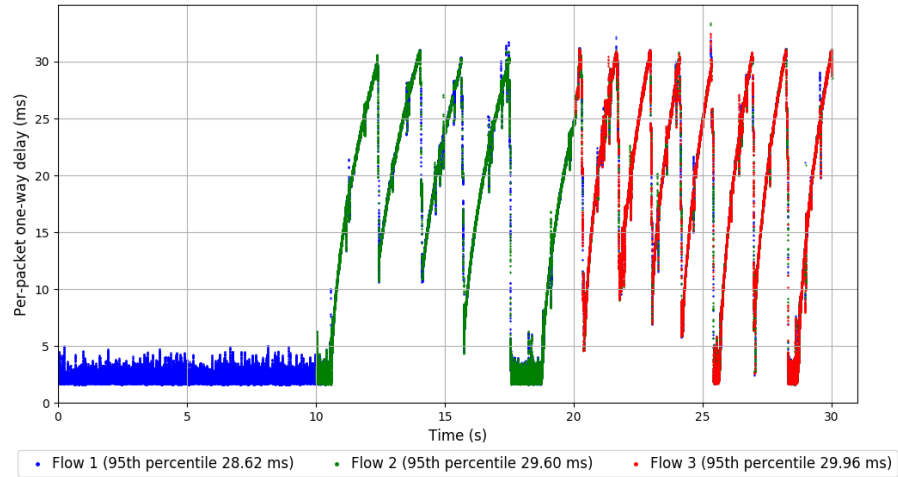
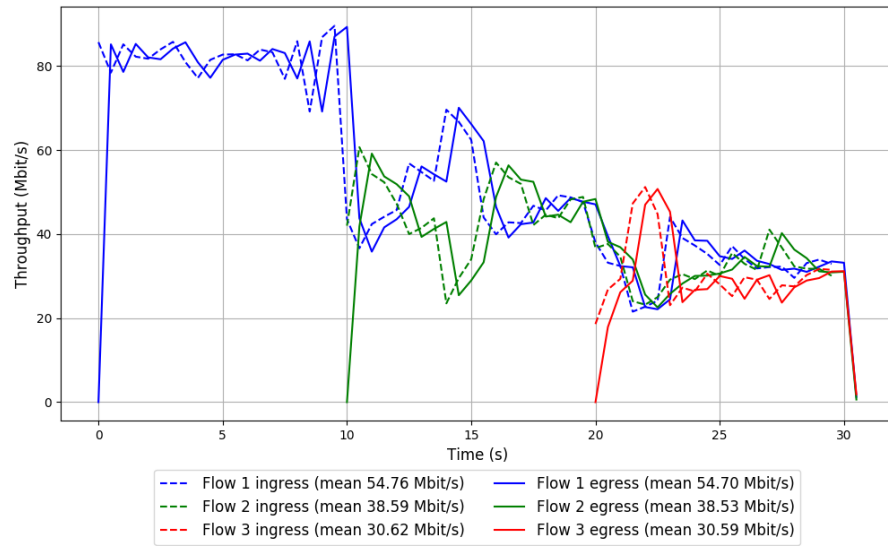


Run 5: Statistics of Copa

Start at: 2018-05-22 04:42:42  
End at: 2018-05-22 04:43:12  
Local clock offset: 2.632 ms  
Remote clock offset: -1.623 ms

# Below is generated by plot.py at 2018-05-22 06:26:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 29.245 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 54.70 Mbit/s  
95th percentile per-packet one-way delay: 28.625 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 38.53 Mbit/s  
95th percentile per-packet one-way delay: 29.600 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 30.59 Mbit/s  
95th percentile per-packet one-way delay: 29.962 ms  
Loss rate: 0.06%

## Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-22 05:00:34

End at: 2018-05-22 05:01:04

Local clock offset: 0.126 ms

Remote clock offset: 5.736 ms

# Below is generated by plot.py at 2018-05-22 06:26:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.14 Mbit/s

95th percentile per-packet one-way delay: 28.598 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 28.706 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 42.38 Mbit/s

95th percentile per-packet one-way delay: 28.114 ms

Loss rate: 0.03%

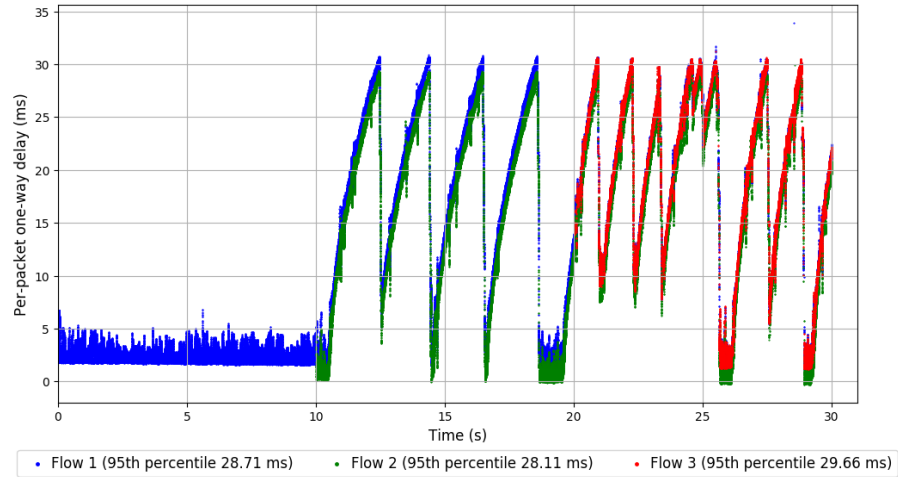
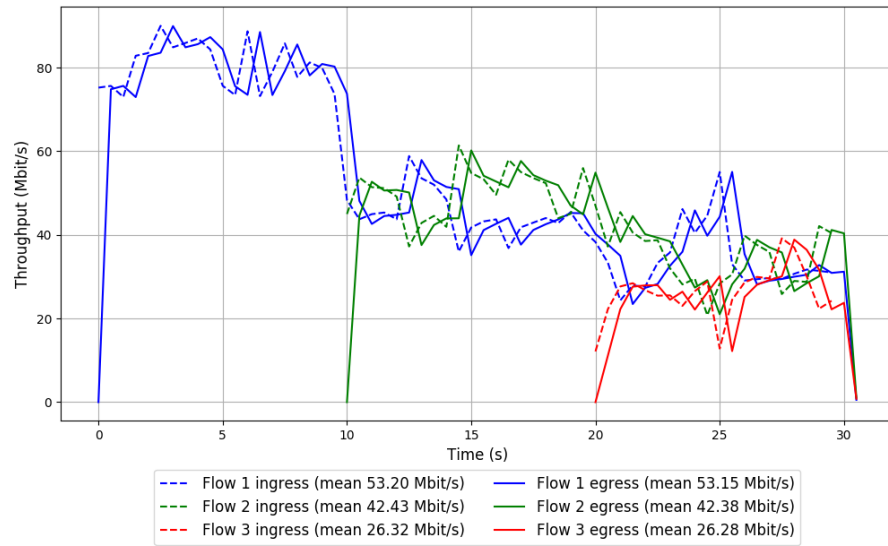
-- Flow 3:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 29.660 ms

Loss rate: 0.07%

## Run 6: Report of Copa — Data Link



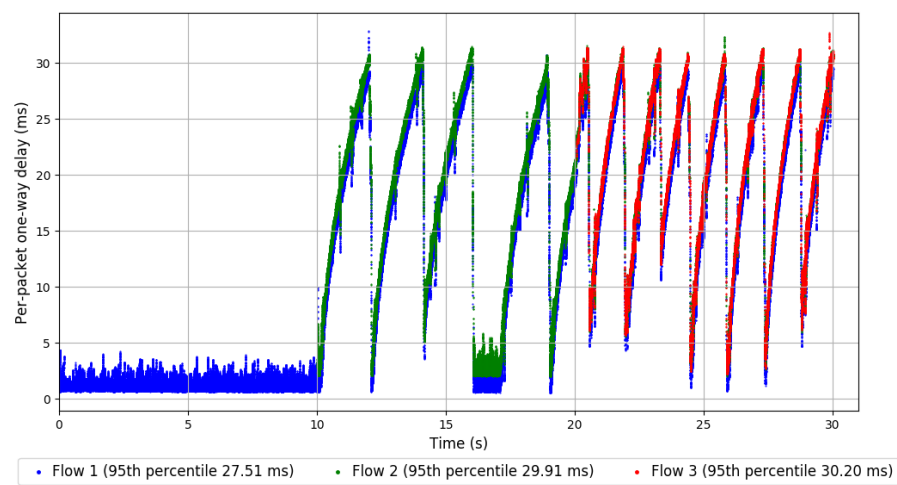
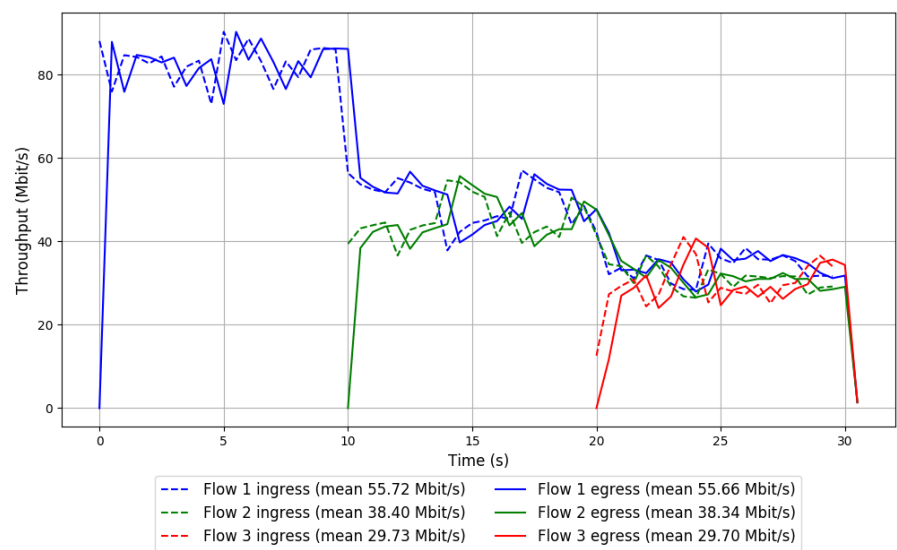
Run 7: Statistics of Copa

Start at: 2018-05-22 05:18:26  
End at: 2018-05-22 05:18:56  
Local clock offset: -8.033 ms  
Remote clock offset: 10.384 ms

# Below is generated by plot.py at 2018-05-22 06:28:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.08 Mbit/s  
95th percentile per-packet one-way delay: 28.971 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 55.66 Mbit/s  
95th percentile per-packet one-way delay: 27.507 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.34 Mbit/s  
95th percentile per-packet one-way delay: 29.910 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 29.70 Mbit/s  
95th percentile per-packet one-way delay: 30.205 ms  
Loss rate: 0.03%



Run 7: Report of Copa — Data Link

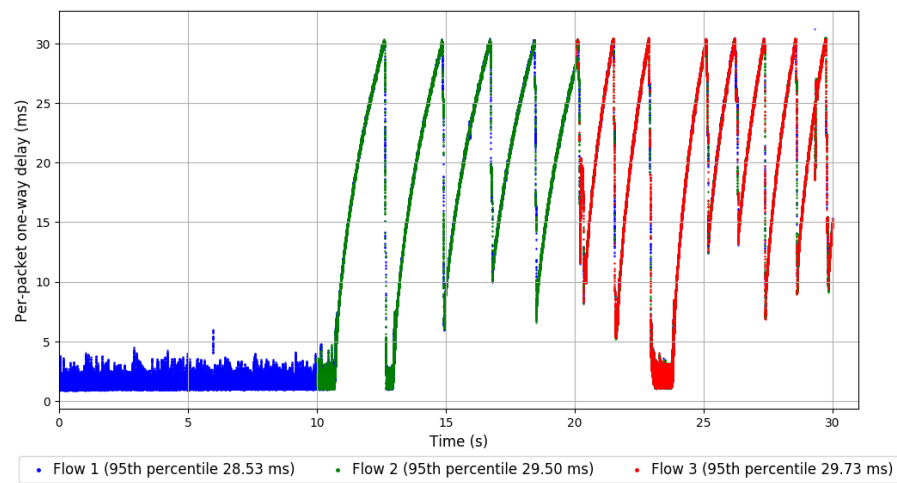
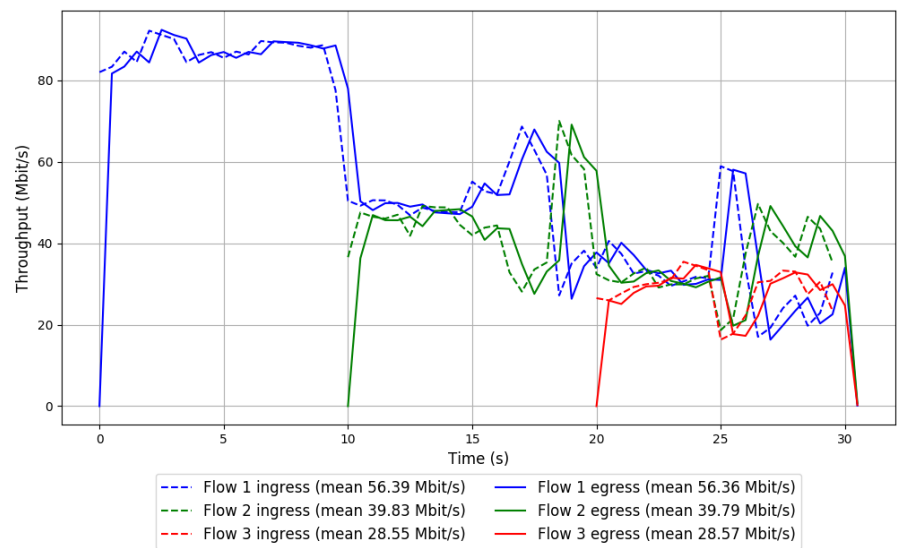


Run 8: Statistics of Copa

Start at: 2018-05-22 05:36:17  
End at: 2018-05-22 05:36:47  
Local clock offset: -7.75 ms  
Remote clock offset: -0.375 ms

# Below is generated by plot.py at 2018-05-22 06:28:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.36 Mbit/s  
95th percentile per-packet one-way delay: 29.160 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 56.36 Mbit/s  
95th percentile per-packet one-way delay: 28.532 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 39.79 Mbit/s  
95th percentile per-packet one-way delay: 29.495 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 28.57 Mbit/s  
95th percentile per-packet one-way delay: 29.730 ms  
Loss rate: 0.04%

Run 8: Report of Copa — Data Link

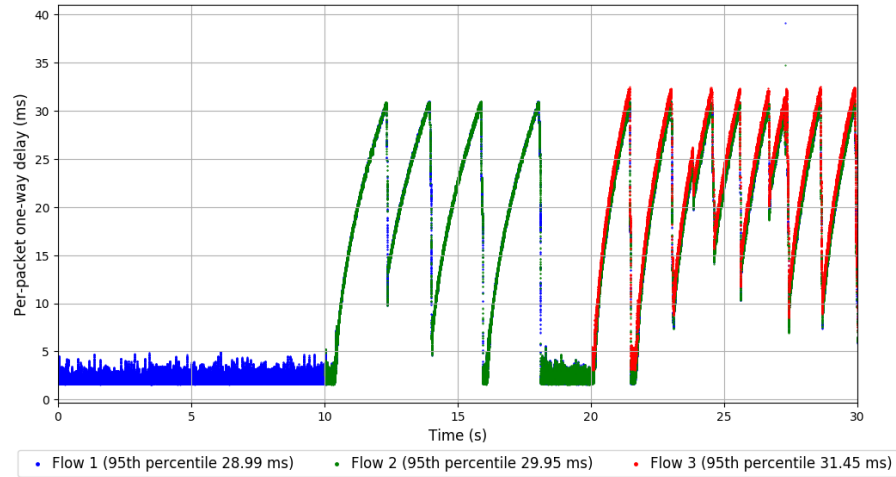
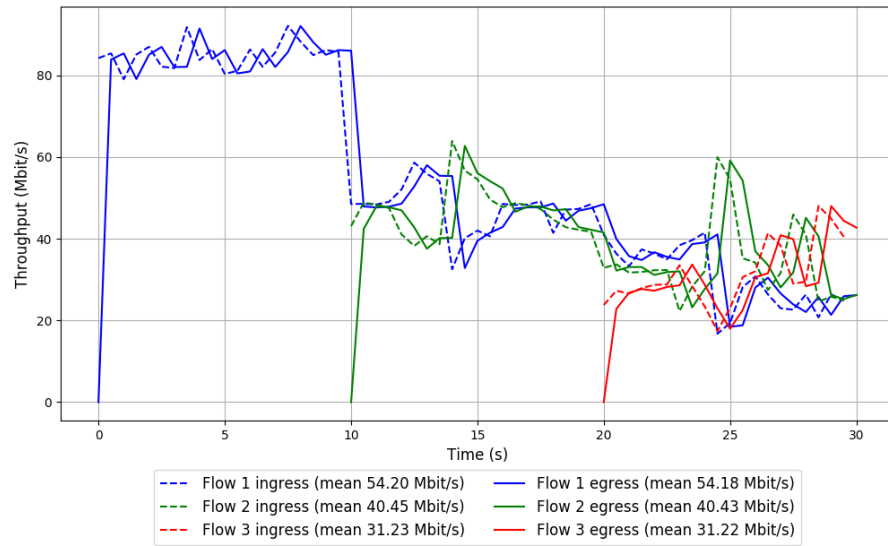


Run 9: Statistics of Copa

Start at: 2018-05-22 05:54:08  
End at: 2018-05-22 05:54:38  
Local clock offset: -8.75 ms  
Remote clock offset: -4.205 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.50 Mbit/s  
95th percentile per-packet one-way delay: 29.832 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 54.18 Mbit/s  
95th percentile per-packet one-way delay: 28.994 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 40.43 Mbit/s  
95th percentile per-packet one-way delay: 29.953 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 31.22 Mbit/s  
95th percentile per-packet one-way delay: 31.450 ms  
Loss rate: 0.02%

## Run 9: Report of Copa — Data Link

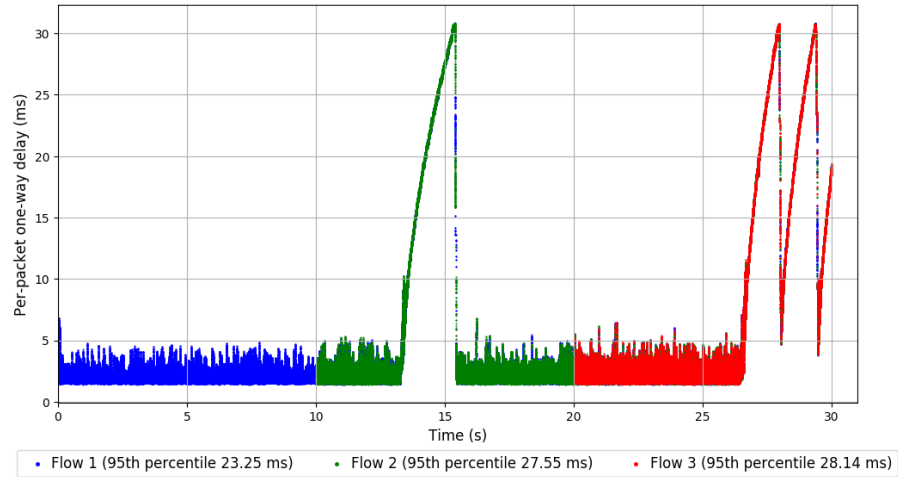
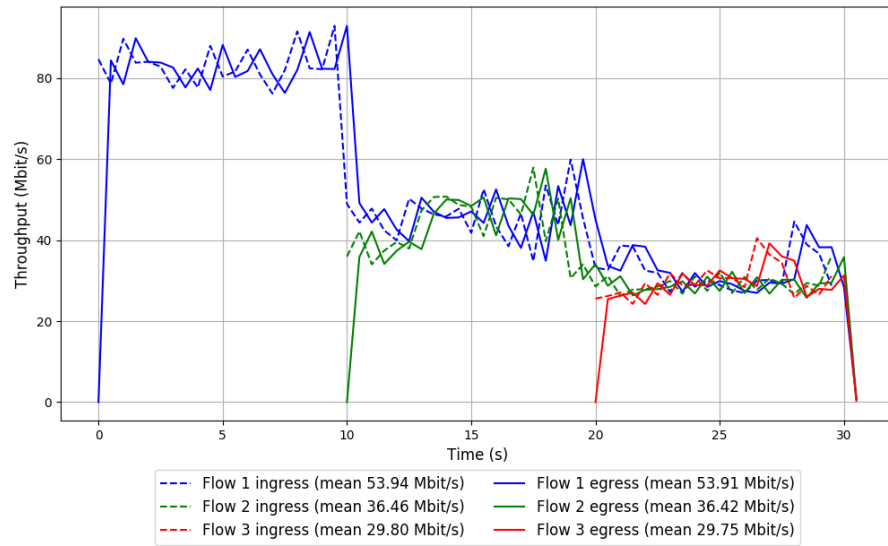


Run 10: Statistics of Copa

Start at: 2018-05-22 06:11:59  
End at: 2018-05-22 06:12:29  
Local clock offset: -5.956 ms  
Remote clock offset: -3.615 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.08 Mbit/s  
95th percentile per-packet one-way delay: 26.044 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.91 Mbit/s  
95th percentile per-packet one-way delay: 23.245 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.42 Mbit/s  
95th percentile per-packet one-way delay: 27.549 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 29.75 Mbit/s  
95th percentile per-packet one-way delay: 28.140 ms  
Loss rate: 0.01%

# Run 10: Report of Copa — Data Link



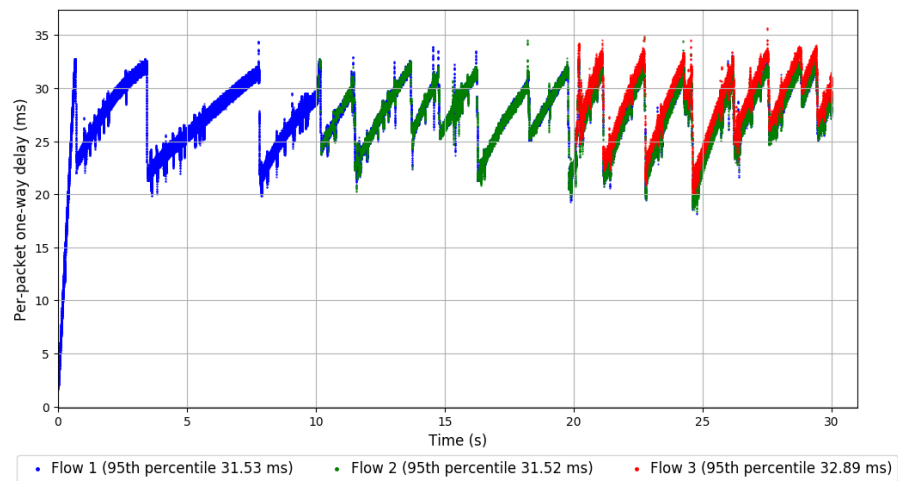
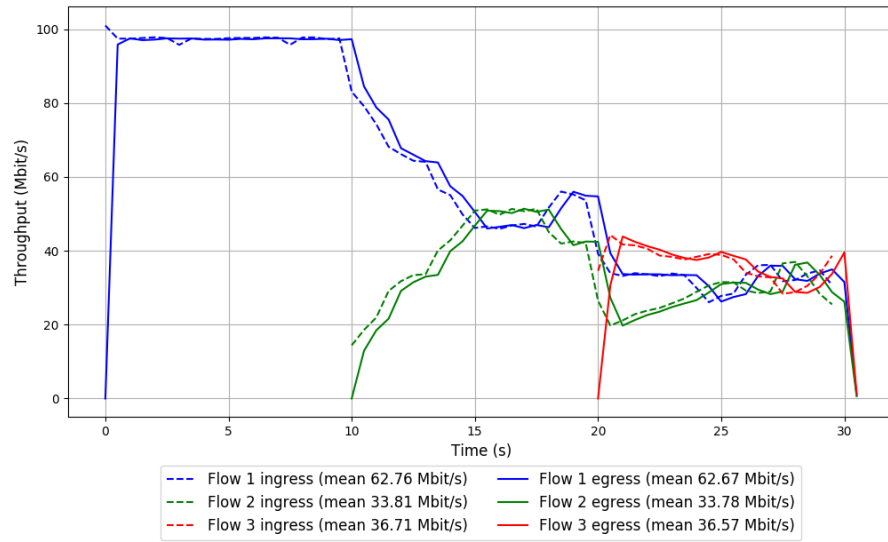
Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 03:35:47  
End at: 2018-05-22 03:36:17  
Local clock offset: -6.453 ms  
Remote clock offset: -2.554 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.30 Mbit/s  
95th percentile per-packet one-way delay: 31.766 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 62.67 Mbit/s  
95th percentile per-packet one-way delay: 31.529 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 33.78 Mbit/s  
95th percentile per-packet one-way delay: 31.518 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 36.57 Mbit/s  
95th percentile per-packet one-way delay: 32.886 ms  
Loss rate: 0.30%



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

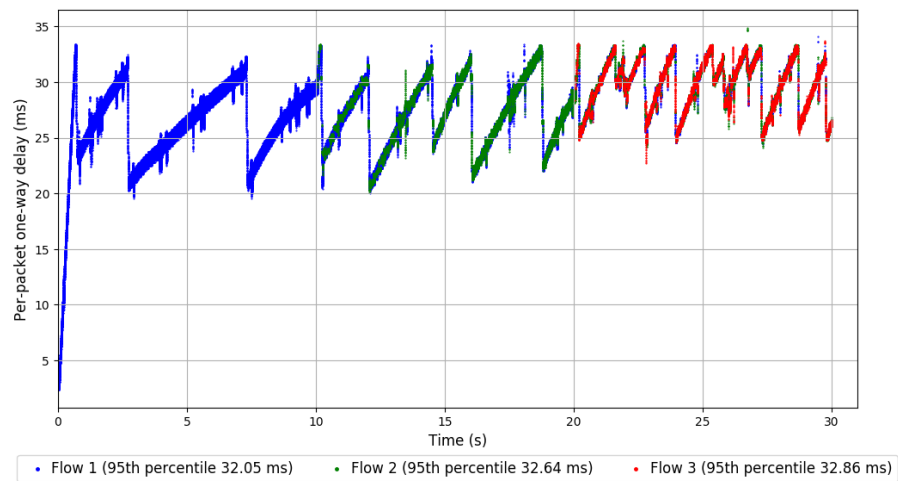
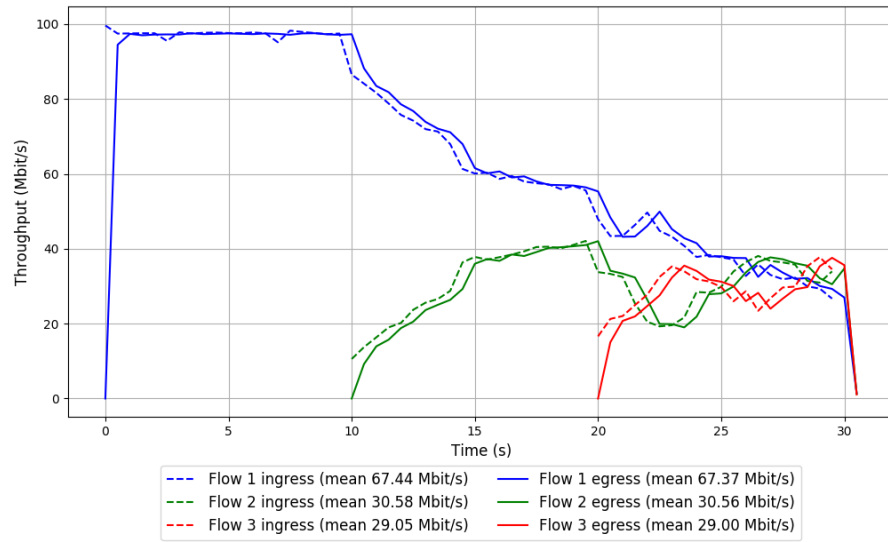


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 03:53:39  
End at: 2018-05-22 03:54:09  
Local clock offset: -5.733 ms  
Remote clock offset: -6.338 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 32.384 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 67.37 Mbit/s  
95th percentile per-packet one-way delay: 32.049 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 30.56 Mbit/s  
95th percentile per-packet one-way delay: 32.640 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 29.00 Mbit/s  
95th percentile per-packet one-way delay: 32.856 ms  
Loss rate: 0.17%

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

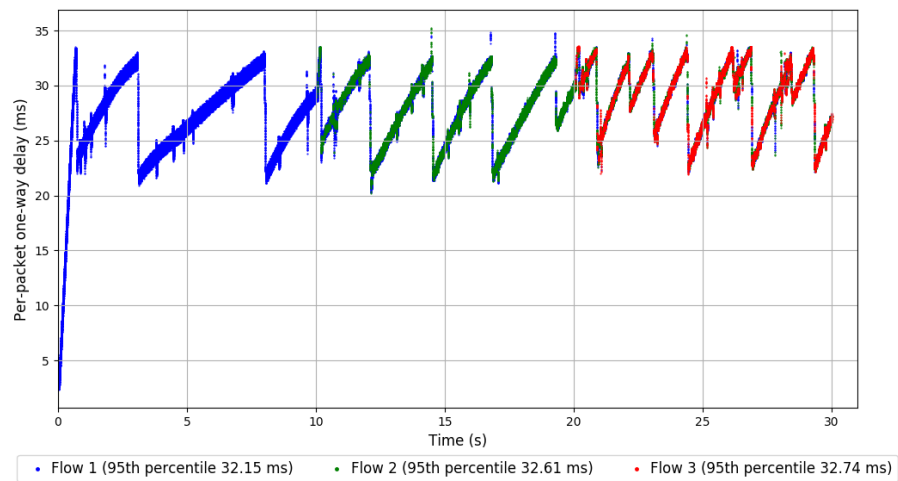
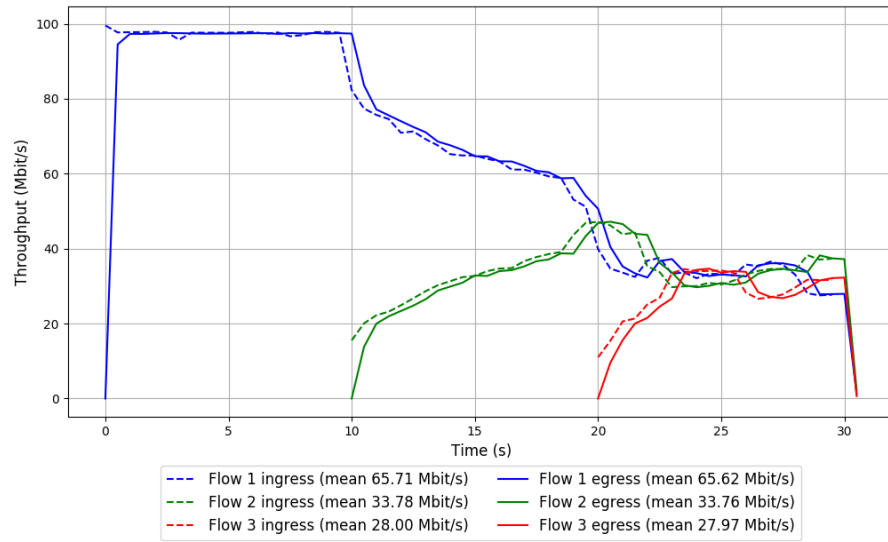


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 04:11:30  
End at: 2018-05-22 04:12:00  
Local clock offset: 0.0 ms  
Remote clock offset: -8.245 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.38 Mbit/s  
95th percentile per-packet one-way delay: 32.381 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 65.62 Mbit/s  
95th percentile per-packet one-way delay: 32.148 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 33.76 Mbit/s  
95th percentile per-packet one-way delay: 32.609 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 27.97 Mbit/s  
95th percentile per-packet one-way delay: 32.739 ms  
Loss rate: 0.15%

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

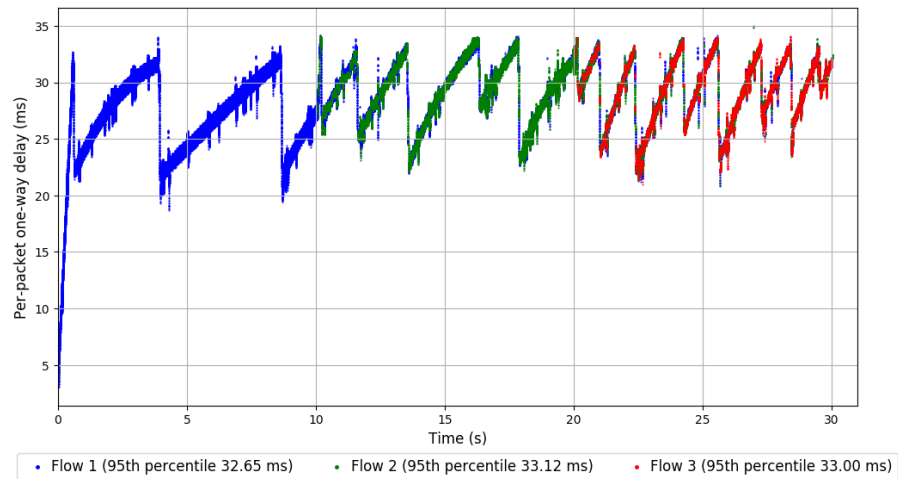
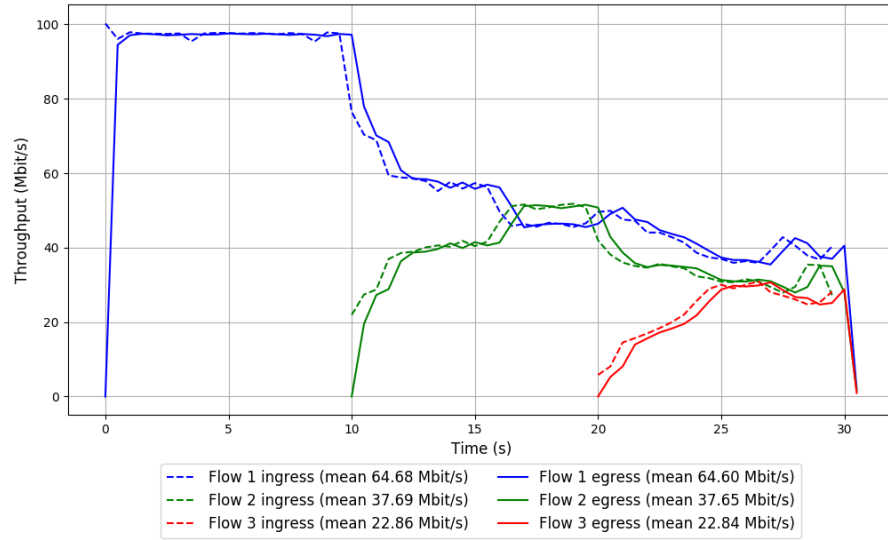


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 04:29:21  
End at: 2018-05-22 04:29:51  
Local clock offset: 1.505 ms  
Remote clock offset: -3.365 ms

# Below is generated by plot.py at 2018-05-22 06:29:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 32.857 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 64.60 Mbit/s  
95th percentile per-packet one-way delay: 32.645 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.65 Mbit/s  
95th percentile per-packet one-way delay: 33.122 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 22.84 Mbit/s  
95th percentile per-packet one-way delay: 32.997 ms  
Loss rate: 0.08%

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



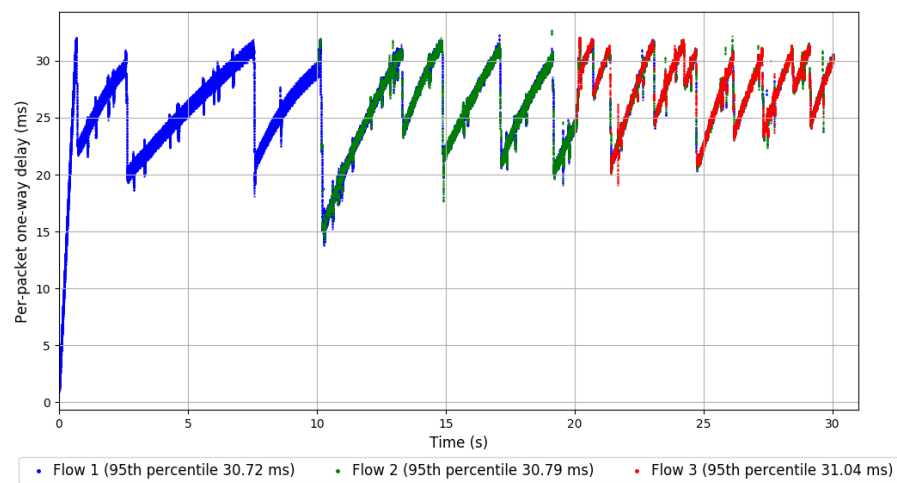
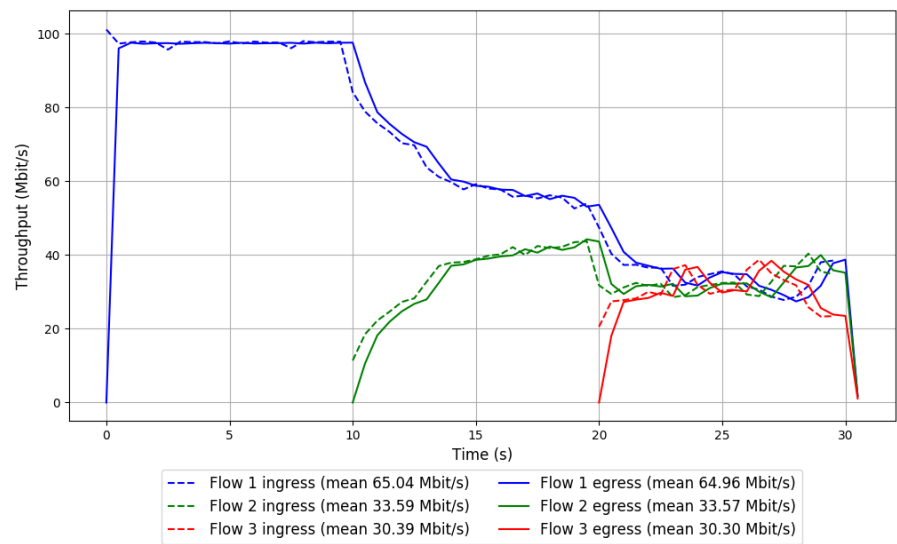
Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 04:47:13  
End at: 2018-05-22 04:47:43  
Local clock offset: 3.807 ms  
Remote clock offset: -1.246 ms

# Below is generated by plot.py at 2018-05-22 06:29:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.38 Mbit/s  
95th percentile per-packet one-way delay: 30.771 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 64.96 Mbit/s  
95th percentile per-packet one-way delay: 30.721 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 33.57 Mbit/s  
95th percentile per-packet one-way delay: 30.788 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 30.30 Mbit/s  
95th percentile per-packet one-way delay: 31.038 ms  
Loss rate: 0.22%



Run 5: Report of TCP Cubic — Data Link

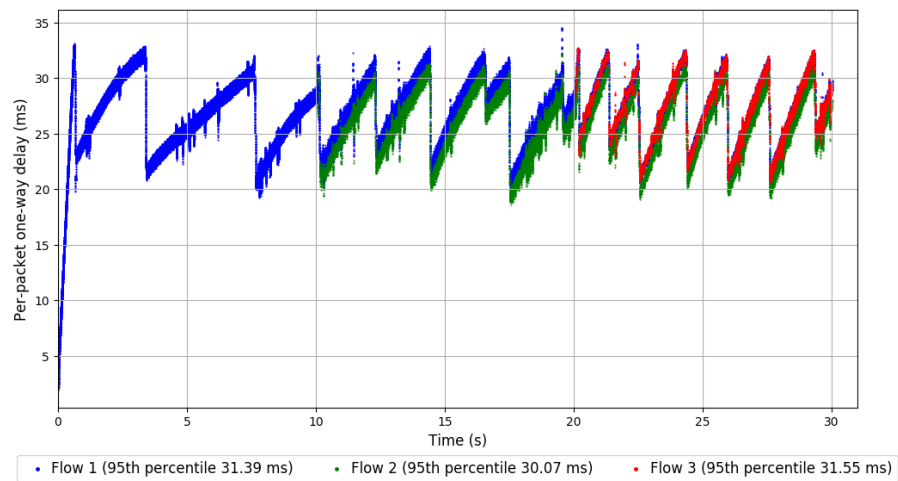
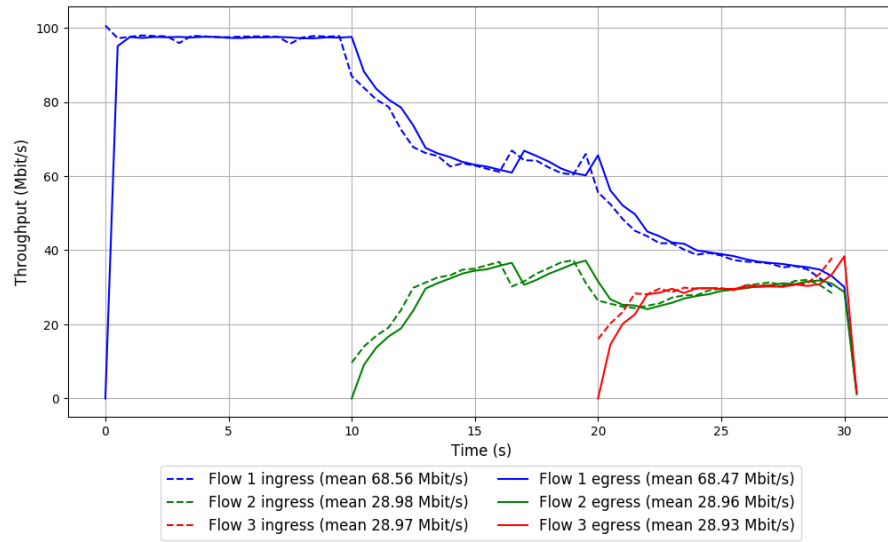


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 05:05:04  
End at: 2018-05-22 05:05:34  
Local clock offset: -3.298 ms  
Remote clock offset: 7.194 ms

# Below is generated by plot.py at 2018-05-22 06:29:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.36 Mbit/s  
95th percentile per-packet one-way delay: 31.270 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 68.47 Mbit/s  
95th percentile per-packet one-way delay: 31.389 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 28.96 Mbit/s  
95th percentile per-packet one-way delay: 30.067 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 28.93 Mbit/s  
95th percentile per-packet one-way delay: 31.545 ms  
Loss rate: 0.15%

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

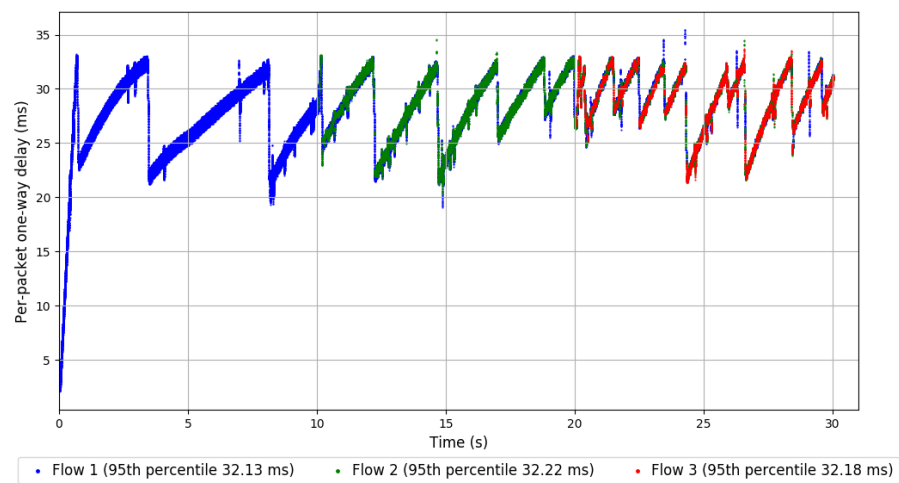
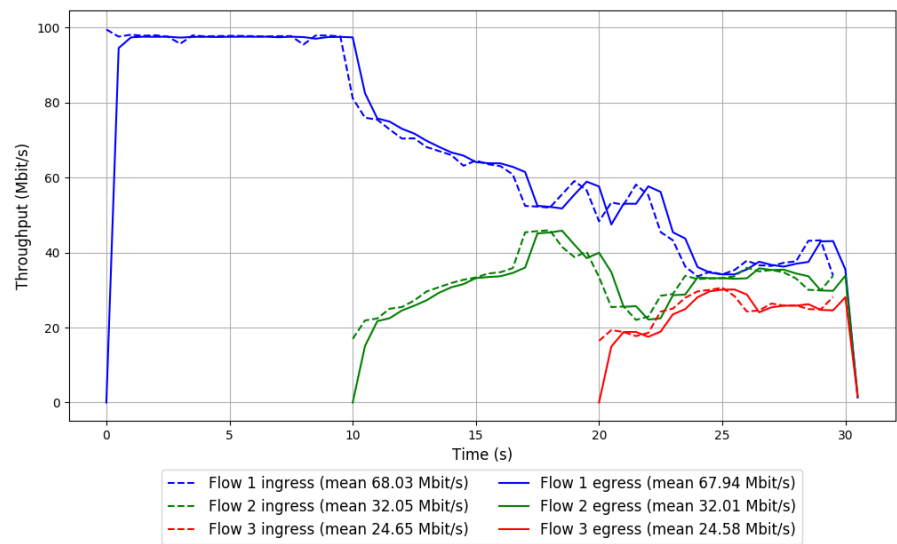


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 05:22:56  
End at: 2018-05-22 05:23:26  
Local clock offset: -8.934 ms  
Remote clock offset: 11.102 ms

# Below is generated by plot.py at 2018-05-22 06:29:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 32.158 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 67.94 Mbit/s  
95th percentile per-packet one-way delay: 32.133 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 32.01 Mbit/s  
95th percentile per-packet one-way delay: 32.217 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 24.58 Mbit/s  
95th percentile per-packet one-way delay: 32.183 ms  
Loss rate: 0.22%

Run 7: Report of TCP Cubic — Data Link

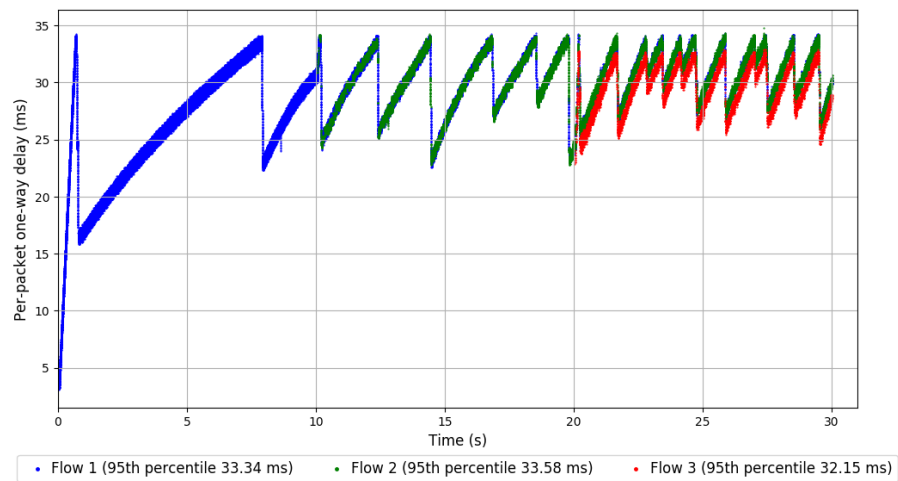
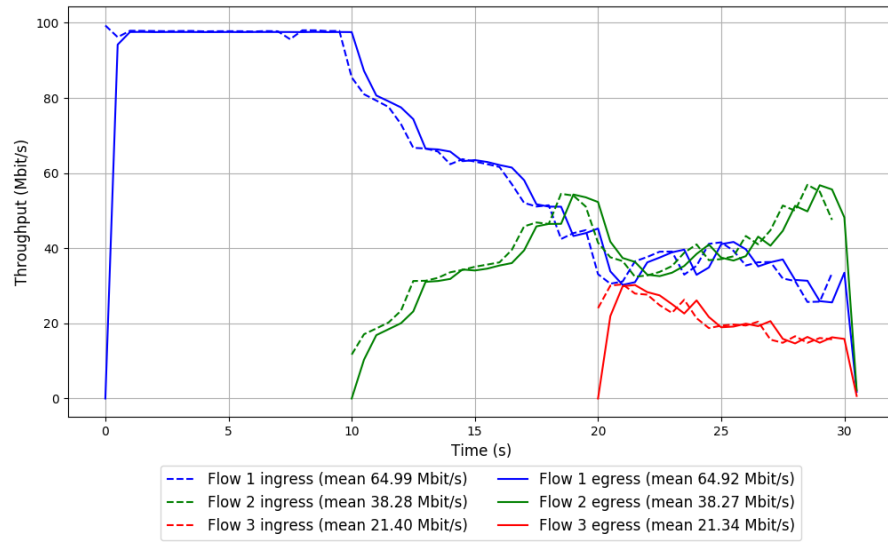


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 05:40:47  
End at: 2018-05-22 05:41:17  
Local clock offset: -8.314 ms  
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2018-05-22 06:29:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 33.372 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 64.92 Mbit/s  
95th percentile per-packet one-way delay: 33.345 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 38.27 Mbit/s  
95th percentile per-packet one-way delay: 33.577 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 21.34 Mbit/s  
95th percentile per-packet one-way delay: 32.147 ms  
Loss rate: 0.24%

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



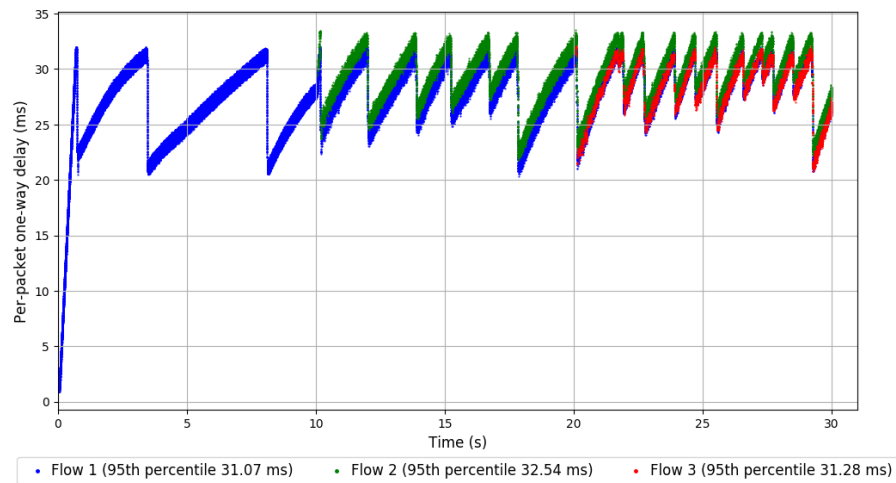
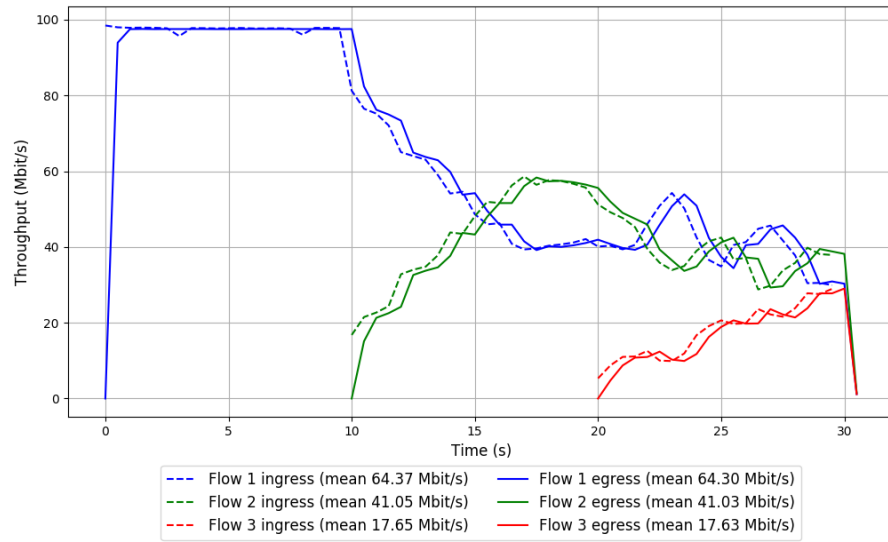
Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 05:58:38  
End at: 2018-05-22 05:59:08  
Local clock offset: -7.654 ms  
Remote clock offset: -4.388 ms

# Below is generated by plot.py at 2018-05-22 06:29:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 31.802 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 64.30 Mbit/s  
95th percentile per-packet one-way delay: 31.072 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 41.03 Mbit/s  
95th percentile per-packet one-way delay: 32.539 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 17.63 Mbit/s  
95th percentile per-packet one-way delay: 31.280 ms  
Loss rate: 0.13%



# Run 9: Report of TCP Cubic — Data Link

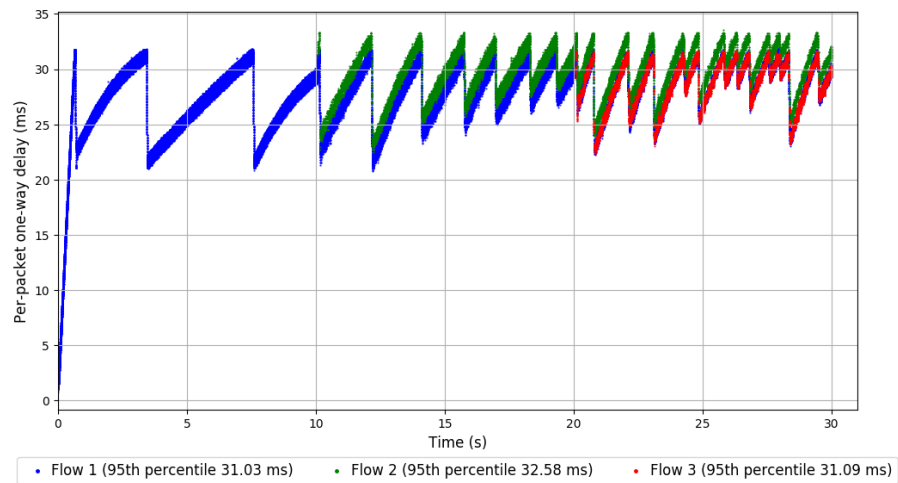
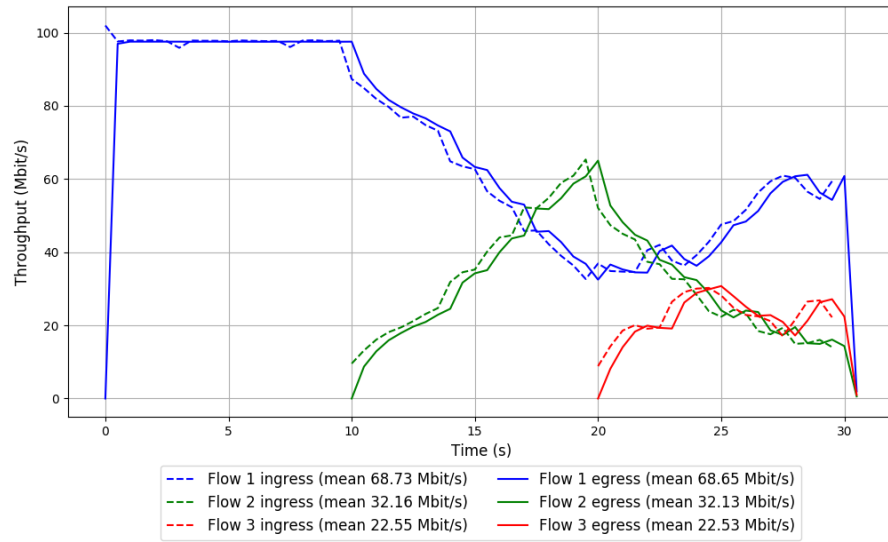


Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 06:20:44  
End at: 2018-05-22 06:21:14  
Local clock offset: -6.801 ms  
Remote clock offset: -3.514 ms

# Below is generated by plot.py at 2018-05-22 06:29:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.52 Mbit/s  
95th percentile per-packet one-way delay: 31.716 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 68.65 Mbit/s  
95th percentile per-packet one-way delay: 31.027 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 32.13 Mbit/s  
95th percentile per-packet one-way delay: 32.580 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 22.53 Mbit/s  
95th percentile per-packet one-way delay: 31.095 ms  
Loss rate: 0.07%

# Run 10: Report of TCP Cubic — Data Link

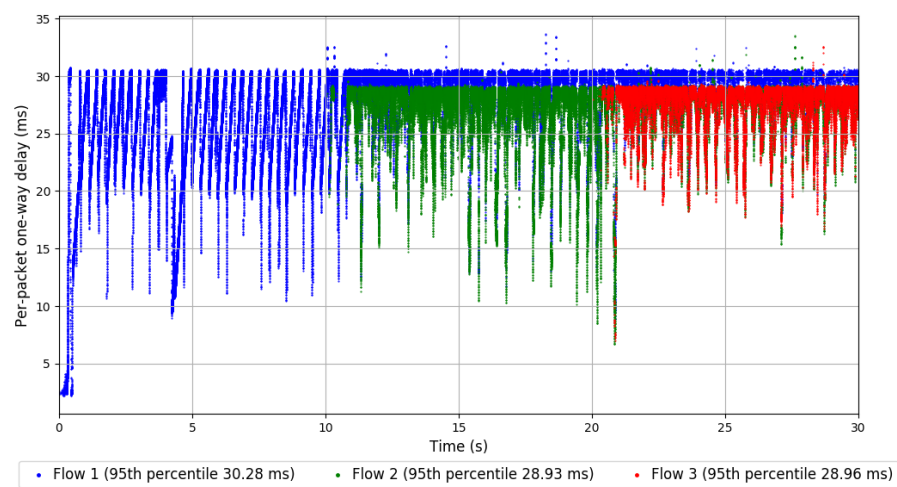
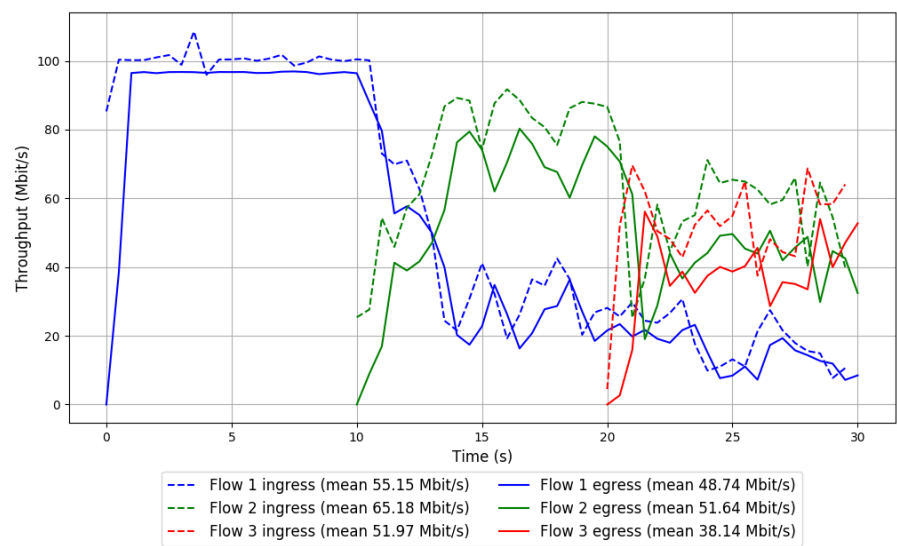


Run 1: Statistics of FillP

Start at: 2018-05-22 03:20:11  
End at: 2018-05-22 03:20:41  
Local clock offset: -5.448 ms  
Remote clock offset: -2.358 ms

# Below is generated by plot.py at 2018-05-22 06:30:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.73 Mbit/s  
95th percentile per-packet one-way delay: 30.142 ms  
Loss rate: 17.24%  
-- Flow 1:  
Average throughput: 48.74 Mbit/s  
95th percentile per-packet one-way delay: 30.281 ms  
Loss rate: 11.54%  
-- Flow 2:  
Average throughput: 51.64 Mbit/s  
95th percentile per-packet one-way delay: 28.932 ms  
Loss rate: 20.77%  
-- Flow 3:  
Average throughput: 38.14 Mbit/s  
95th percentile per-packet one-way delay: 28.965 ms  
Loss rate: 26.61%

Run 1: Report of FillP — Data Link

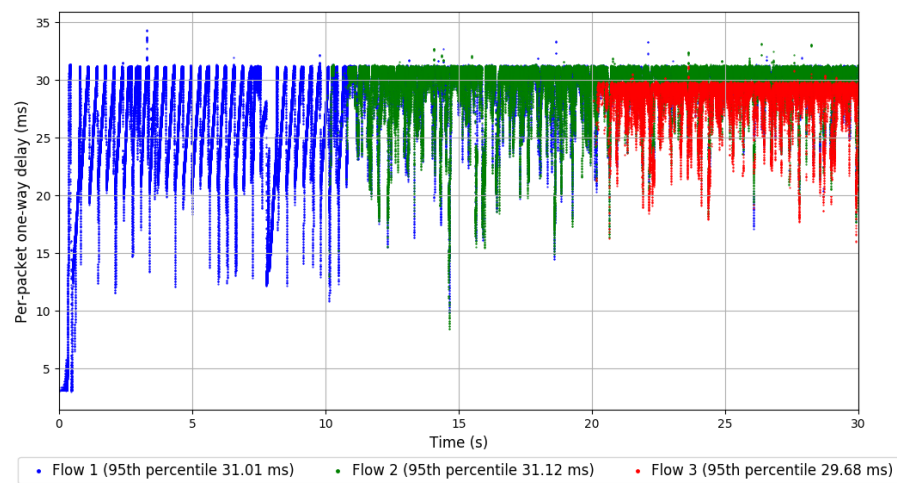
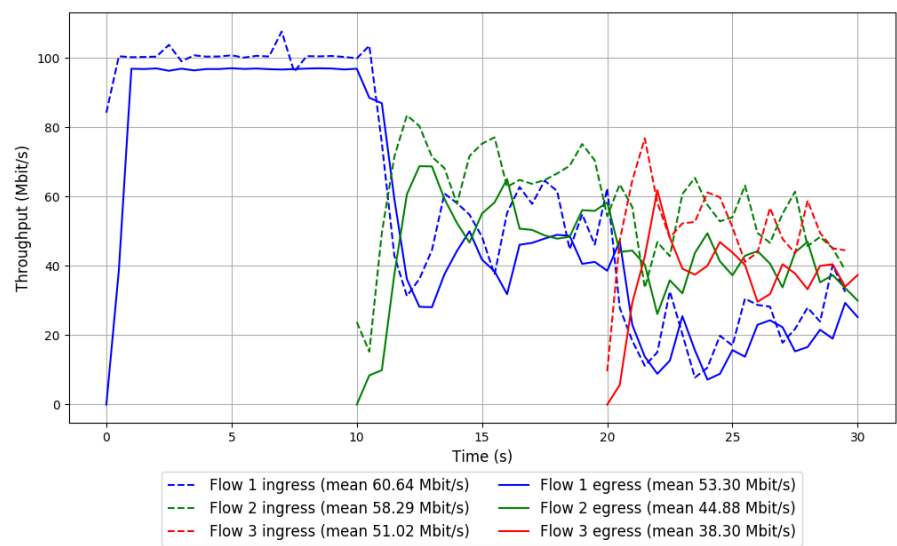


Run 2: Statistics of FillP

Start at: 2018-05-22 03:38:02  
End at: 2018-05-22 03:38:32  
Local clock offset: -6.482 ms  
Remote clock offset: -2.583 ms

# Below is generated by plot.py at 2018-05-22 06:30:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 31.042 ms  
Loss rate: 17.56%  
-- Flow 1:  
Average throughput: 53.30 Mbit/s  
95th percentile per-packet one-way delay: 31.009 ms  
Loss rate: 12.02%  
-- Flow 2:  
Average throughput: 44.88 Mbit/s  
95th percentile per-packet one-way delay: 31.122 ms  
Loss rate: 23.00%  
-- Flow 3:  
Average throughput: 38.30 Mbit/s  
95th percentile per-packet one-way delay: 29.677 ms  
Loss rate: 24.93%

Run 2: Report of FillP — Data Link



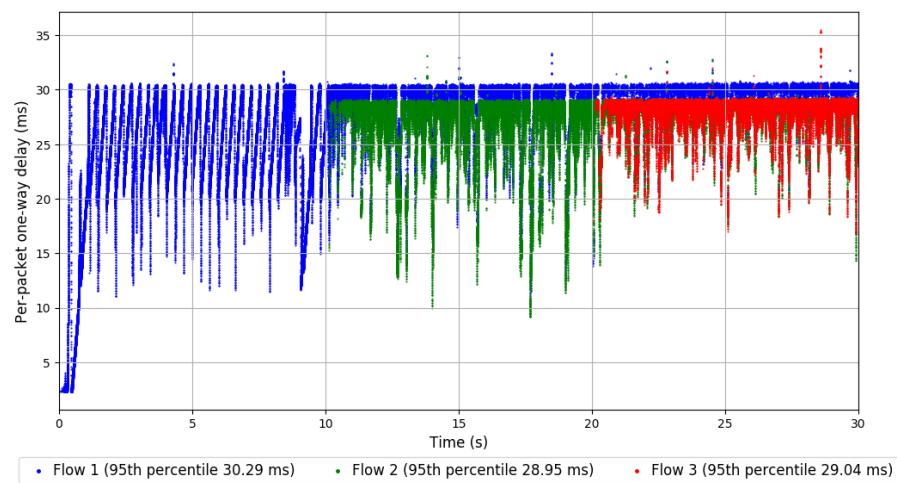
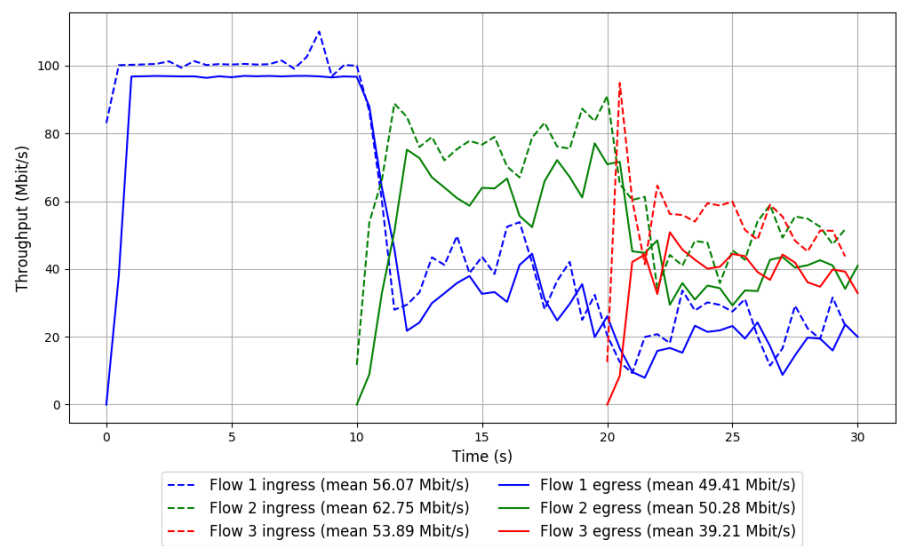
Run 3: Statistics of FillP

Start at: 2018-05-22 03:55:54  
End at: 2018-05-22 03:56:24  
Local clock offset: -5.746 ms  
Remote clock offset: -6.726 ms

# Below is generated by plot.py at 2018-05-22 06:30:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 30.152 ms  
Loss rate: 17.10%  
-- Flow 1:  
Average throughput: 49.41 Mbit/s  
95th percentile per-packet one-way delay: 30.291 ms  
Loss rate: 11.81%  
-- Flow 2:  
Average throughput: 50.28 Mbit/s  
95th percentile per-packet one-way delay: 28.955 ms  
Loss rate: 19.86%  
-- Flow 3:  
Average throughput: 39.21 Mbit/s  
95th percentile per-packet one-way delay: 29.043 ms  
Loss rate: 27.21%



Run 3: Report of FillP — Data Link

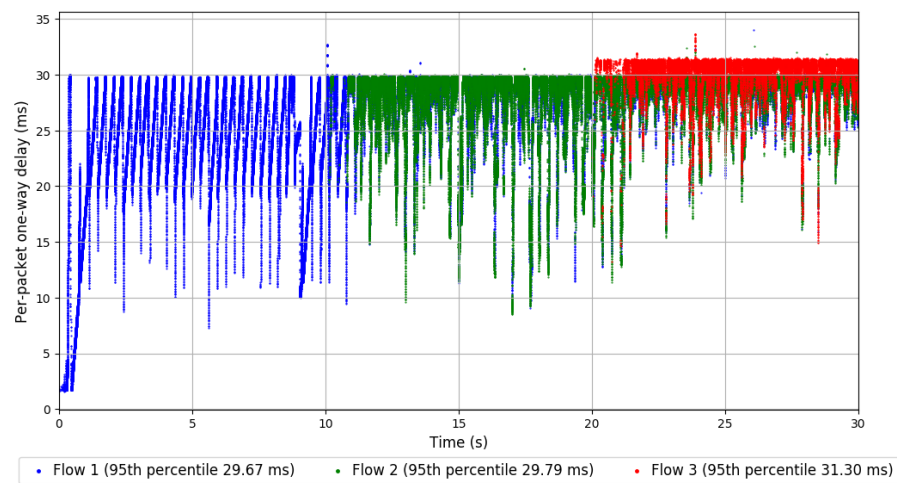
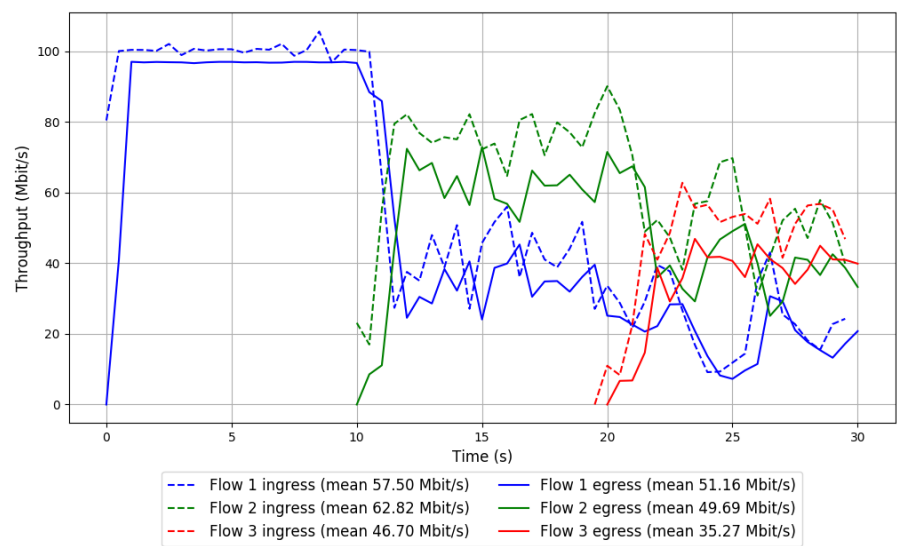


Run 4: Statistics of FillP

Start at: 2018-05-22 04:13:45  
End at: 2018-05-22 04:14:15  
Local clock offset: -0.374 ms  
Remote clock offset: -8.411 ms

# Below is generated by plot.py at 2018-05-22 06:30:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.95 Mbit/s  
95th percentile per-packet one-way delay: 30.851 ms  
Loss rate: 16.40%  
-- Flow 1:  
Average throughput: 51.16 Mbit/s  
95th percentile per-packet one-way delay: 29.669 ms  
Loss rate: 10.95%  
-- Flow 2:  
Average throughput: 49.69 Mbit/s  
95th percentile per-packet one-way delay: 29.789 ms  
Loss rate: 20.91%  
-- Flow 3:  
Average throughput: 35.27 Mbit/s  
95th percentile per-packet one-way delay: 31.296 ms  
Loss rate: 24.43%

Run 4: Report of FillP — Data Link

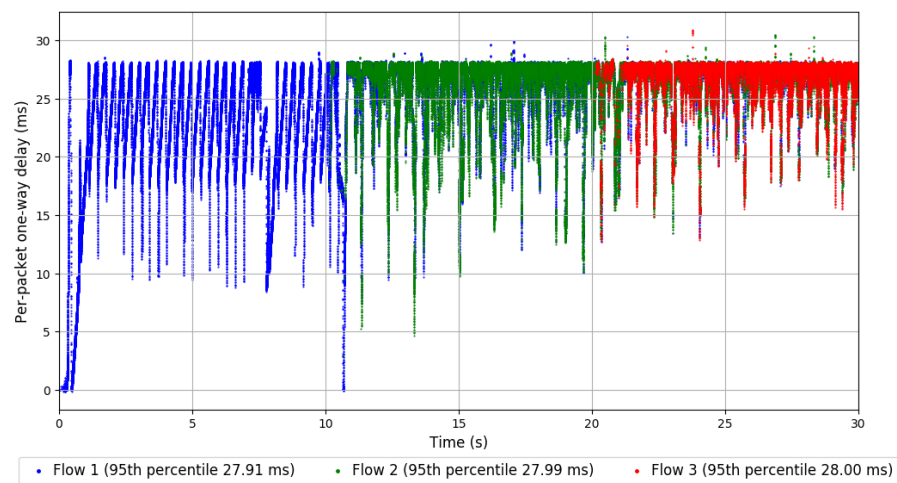
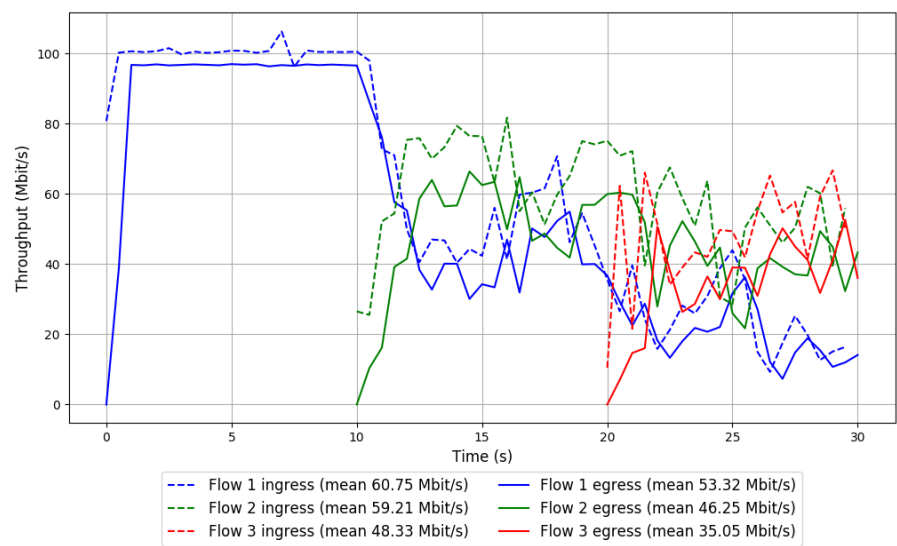


Run 5: Statistics of FillP

Start at: 2018-05-22 04:31:36  
End at: 2018-05-22 04:32:06  
Local clock offset: 3.253 ms  
Remote clock offset: -2.999 ms

# Below is generated by plot.py at 2018-05-22 06:30:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.72 Mbit/s  
95th percentile per-packet one-way delay: 27.965 ms  
Loss rate: 17.57%  
-- Flow 1:  
Average throughput: 53.32 Mbit/s  
95th percentile per-packet one-way delay: 27.908 ms  
Loss rate: 12.15%  
-- Flow 2:  
Average throughput: 46.25 Mbit/s  
95th percentile per-packet one-way delay: 27.994 ms  
Loss rate: 21.88%  
-- Flow 3:  
Average throughput: 35.05 Mbit/s  
95th percentile per-packet one-way delay: 28.002 ms  
Loss rate: 27.48%

Run 5: Report of FillP — Data Link

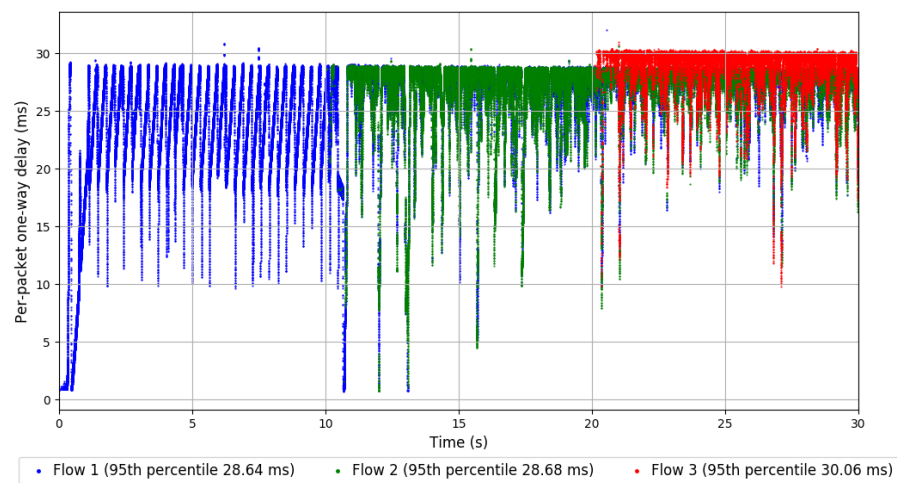
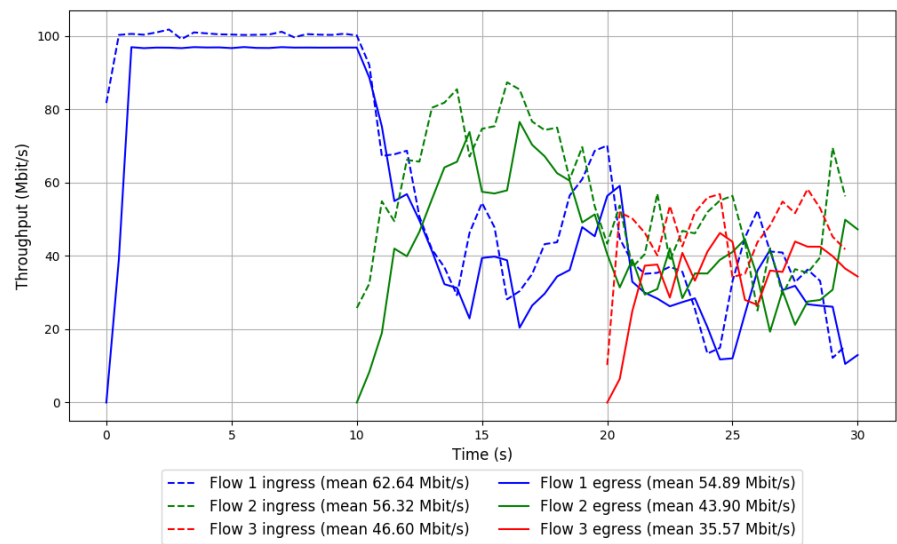


Run 6: Statistics of FillP

Start at: 2018-05-22 04:49:28  
End at: 2018-05-22 04:49:58  
Local clock offset: 3.939 ms  
Remote clock offset: -1.154 ms

# Below is generated by plot.py at 2018-05-22 06:30:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.85 Mbit/s  
95th percentile per-packet one-way delay: 29.604 ms  
Loss rate: 17.00%  
-- Flow 1:  
Average throughput: 54.89 Mbit/s  
95th percentile per-packet one-way delay: 28.639 ms  
Loss rate: 12.31%  
-- Flow 2:  
Average throughput: 43.90 Mbit/s  
95th percentile per-packet one-way delay: 28.677 ms  
Loss rate: 22.08%  
-- Flow 3:  
Average throughput: 35.57 Mbit/s  
95th percentile per-packet one-way delay: 30.063 ms  
Loss rate: 23.69%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 05:07:19

End at: 2018-05-22 05:07:49

Local clock offset: -3.701 ms

Remote clock offset: 7.82 ms

# Below is generated by plot.py at 2018-05-22 06:31:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 28.862 ms

Loss rate: 17.34%

-- Flow 1:

Average throughput: 49.86 Mbit/s

95th percentile per-packet one-way delay: 27.494 ms

Loss rate: 12.20%

-- Flow 2:

Average throughput: 52.26 Mbit/s

95th percentile per-packet one-way delay: 29.004 ms

Loss rate: 20.33%

-- Flow 3:

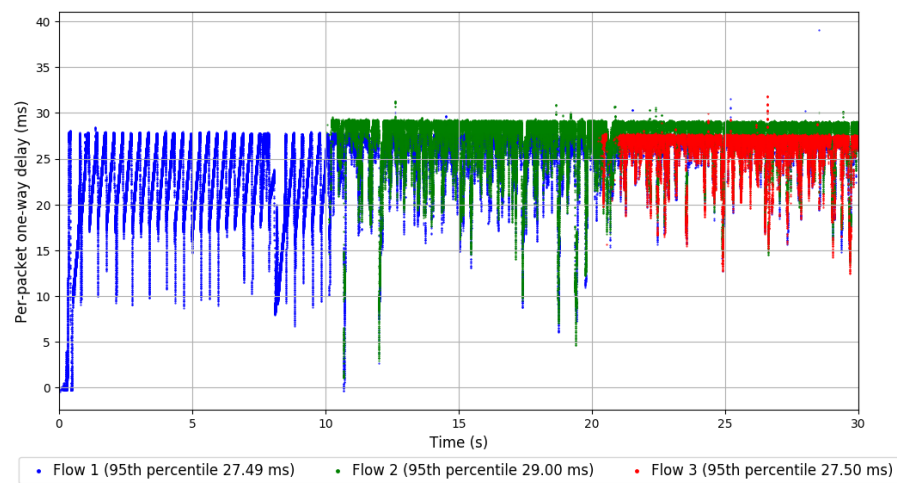
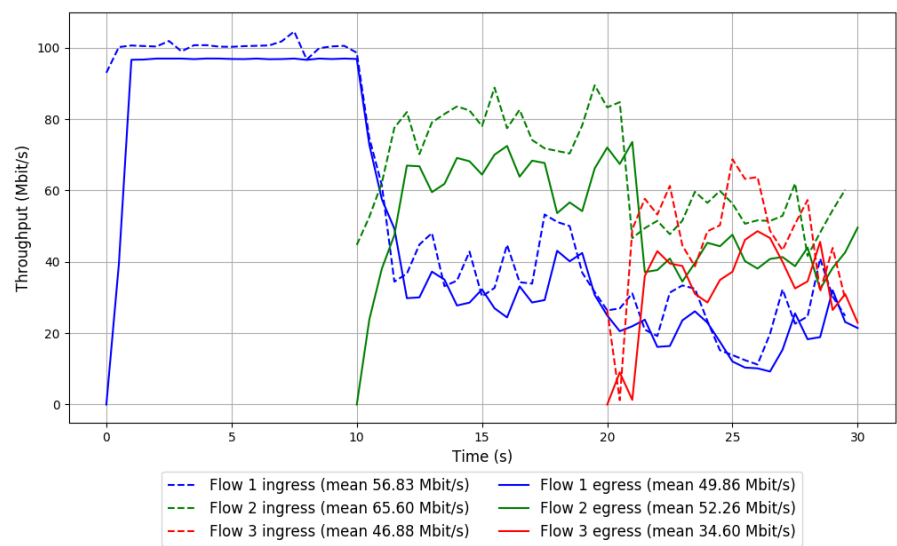
Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 27.499 ms

Loss rate: 27.69%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 05:25:11

End at: 2018-05-22 05:25:41

Local clock offset: -8.551 ms

Remote clock offset: 9.13 ms

# Below is generated by plot.py at 2018-05-22 06:31:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 29.925 ms

Loss rate: 16.62%

-- Flow 1:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 28.456 ms

Loss rate: 11.79%

-- Flow 2:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 30.092 ms

Loss rate: 20.73%

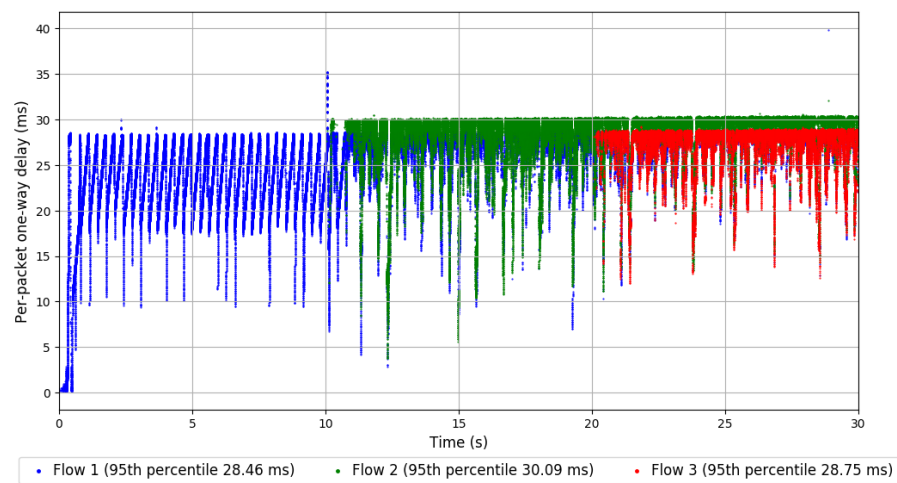
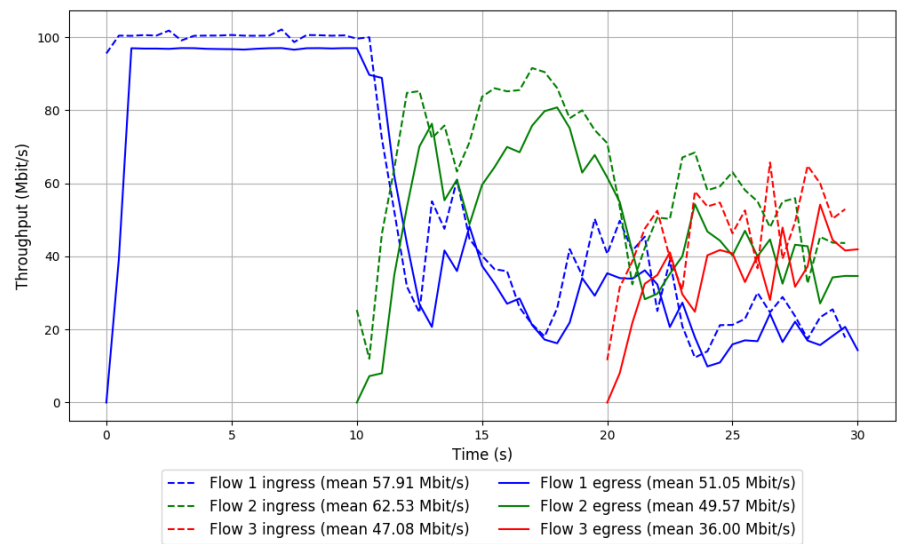
-- Flow 3:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 28.752 ms

Loss rate: 23.56%

Run 8: Report of FillP — Data Link

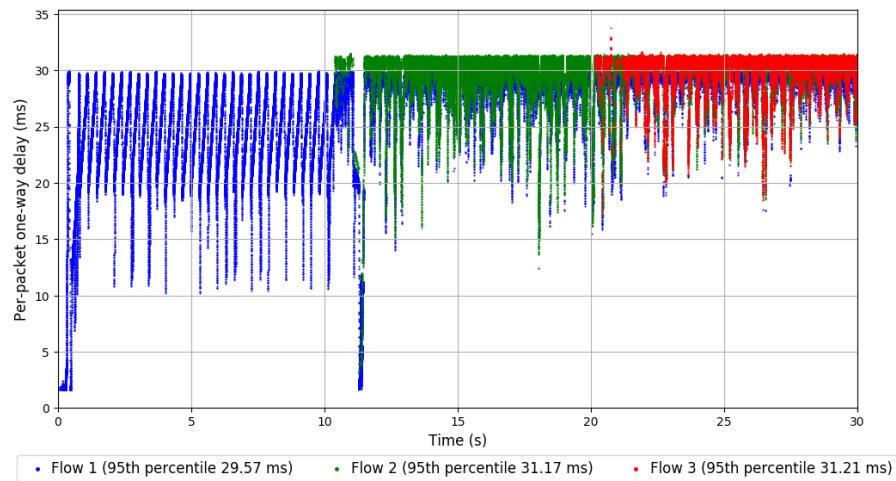
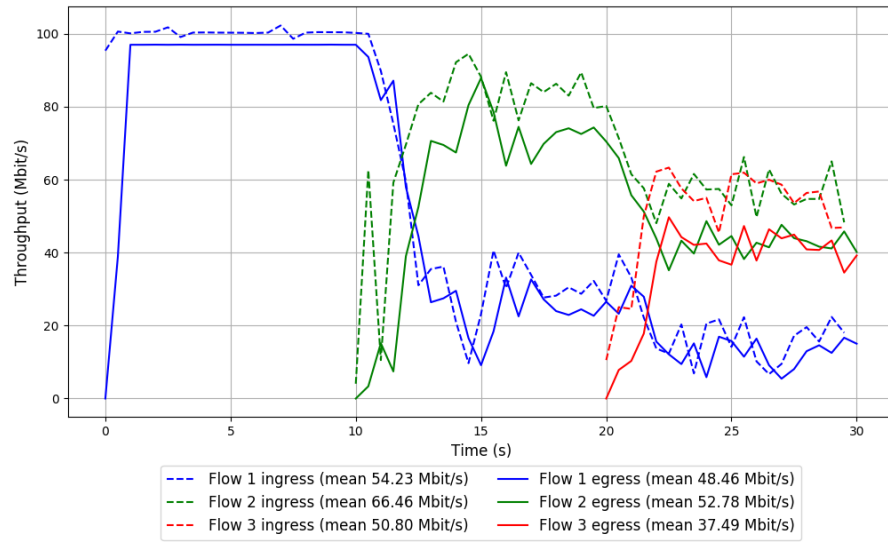


Run 9: Statistics of FillP

Start at: 2018-05-22 05:43:02  
End at: 2018-05-22 05:43:32  
Local clock offset: -8.313 ms  
Remote clock offset: -2.524 ms

# Below is generated by plot.py at 2018-05-22 06:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 31.098 ms  
Loss rate: 16.68%  
-- Flow 1:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 29.572 ms  
Loss rate: 10.56%  
-- Flow 2:  
Average throughput: 52.78 Mbit/s  
95th percentile per-packet one-way delay: 31.172 ms  
Loss rate: 20.57%  
-- Flow 3:  
Average throughput: 37.49 Mbit/s  
95th percentile per-packet one-way delay: 31.211 ms  
Loss rate: 26.12%

## Run 9: Report of FillP — Data Link

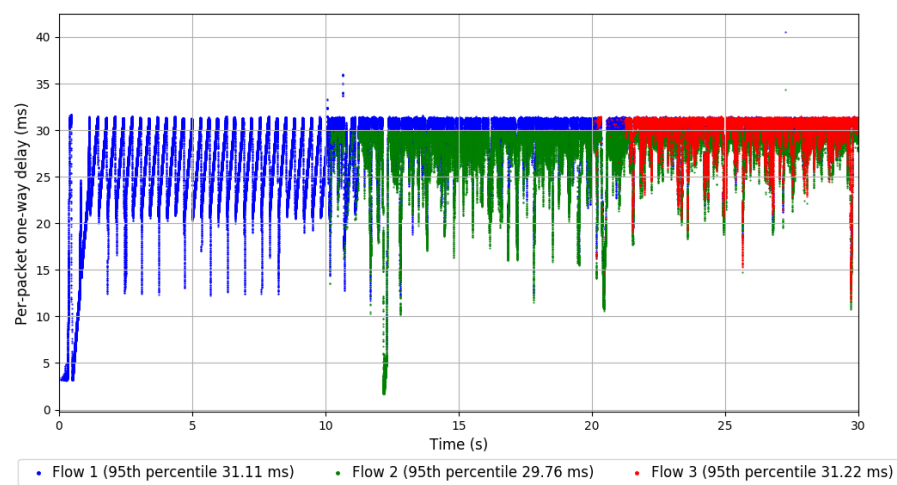
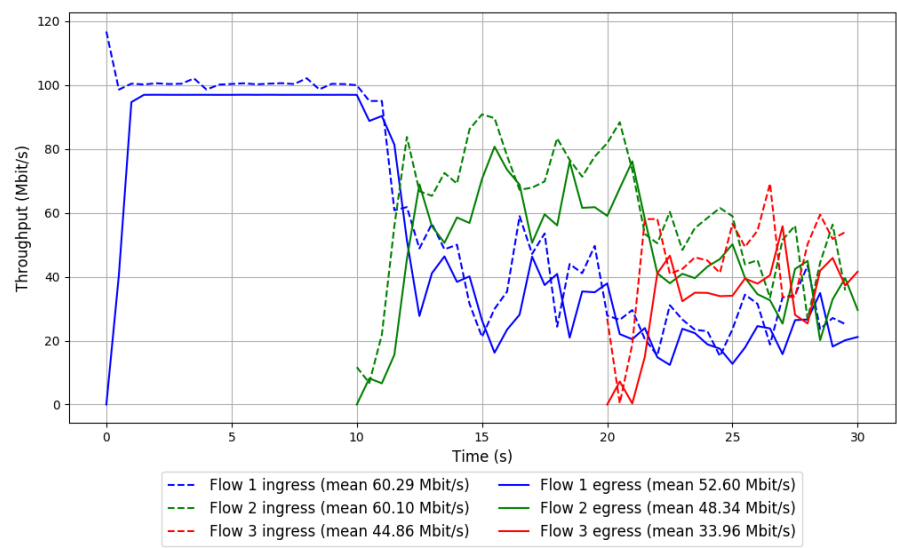


Run 10: Statistics of FillP

Start at: 2018-05-22 06:00:53  
End at: 2018-05-22 06:01:23  
Local clock offset: -8.138 ms  
Remote clock offset: -4.067 ms

# Below is generated by plot.py at 2018-05-22 06:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 31.084 ms  
Loss rate: 16.57%  
-- Flow 1:  
Average throughput: 52.60 Mbit/s  
95th percentile per-packet one-way delay: 31.115 ms  
Loss rate: 12.68%  
-- Flow 2:  
Average throughput: 48.34 Mbit/s  
95th percentile per-packet one-way delay: 29.759 ms  
Loss rate: 19.55%  
-- Flow 3:  
Average throughput: 33.96 Mbit/s  
95th percentile per-packet one-way delay: 31.224 ms  
Loss rate: 24.30%

Run 10: Report of FillP — Data Link



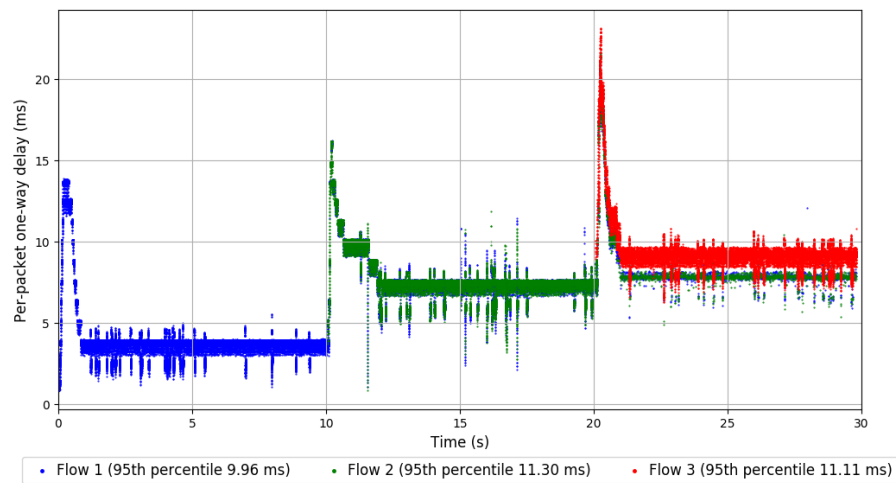
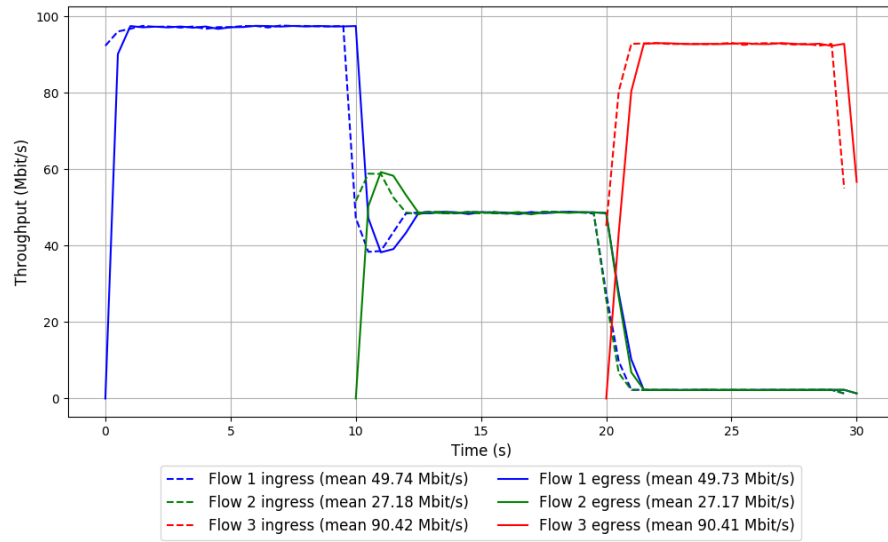
Run 1: Statistics of Indigo

Start at: 2018-05-22 03:30:08  
End at: 2018-05-22 03:30:38  
Local clock offset: -5.485 ms  
Remote clock offset: -2.492 ms

# Below is generated by plot.py at 2018-05-22 06:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.21 Mbit/s  
95th percentile per-packet one-way delay: 11.049 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 49.73 Mbit/s  
95th percentile per-packet one-way delay: 9.956 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.17 Mbit/s  
95th percentile per-packet one-way delay: 11.299 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 90.41 Mbit/s  
95th percentile per-packet one-way delay: 11.109 ms  
Loss rate: 0.00%



## Run 1: Report of Indigo — Data Link

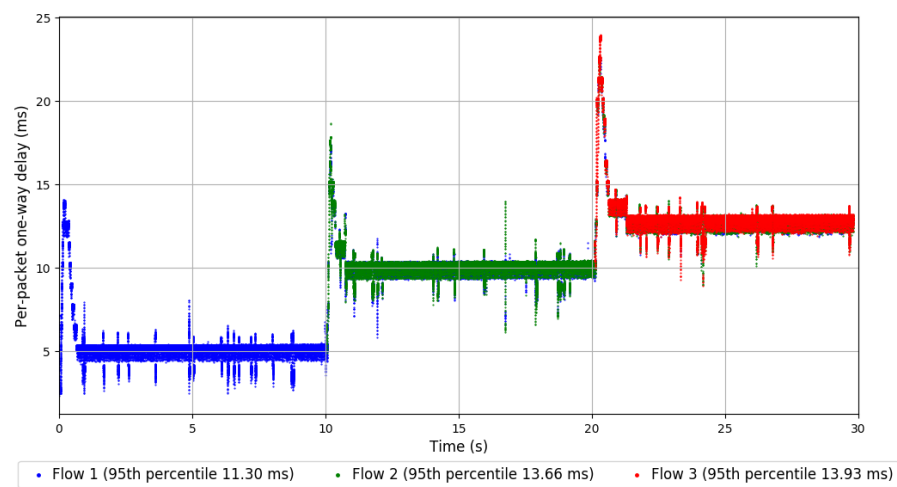
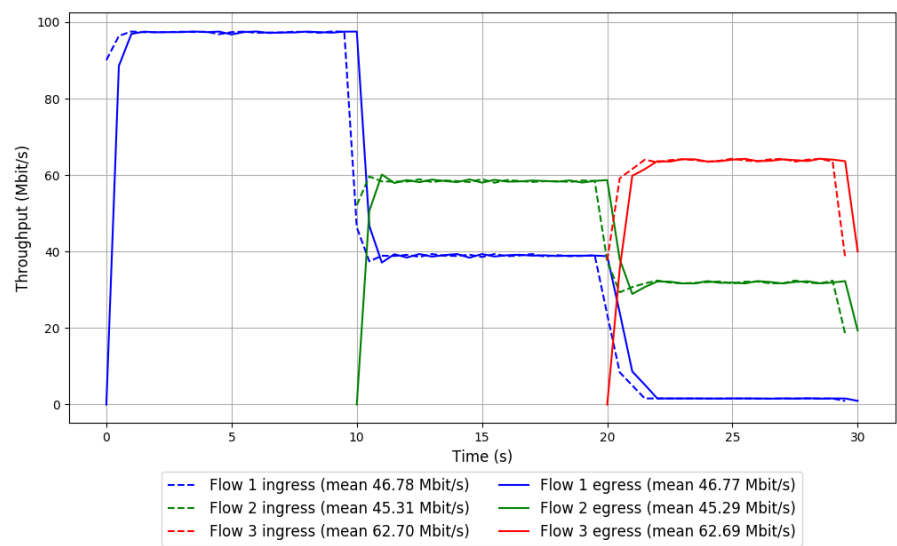


Run 2: Statistics of Indigo

Start at: 2018-05-22 03:48:00  
End at: 2018-05-22 03:48:30  
Local clock offset: -5.788 ms  
Remote clock offset: -5.029 ms

# Below is generated by plot.py at 2018-05-22 06:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 13.389 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 11.305 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.29 Mbit/s  
95th percentile per-packet one-way delay: 13.660 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.69 Mbit/s  
95th percentile per-packet one-way delay: 13.931 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-22 04:05:51

End at: 2018-05-22 04:06:21

Local clock offset: -1.421 ms

Remote clock offset: -7.84 ms

# Below is generated by plot.py at 2018-05-22 06:32:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 13.389 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 11.351 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.53 Mbit/s

95th percentile per-packet one-way delay: 13.445 ms

Loss rate: 0.00%

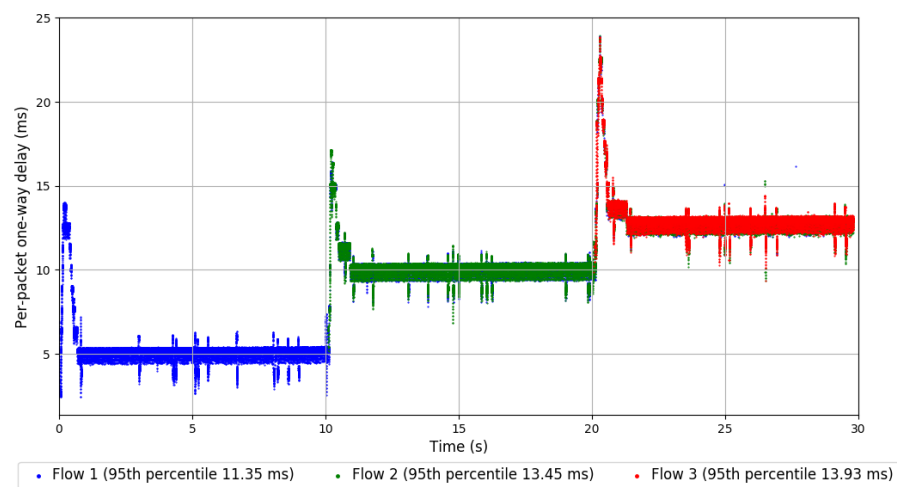
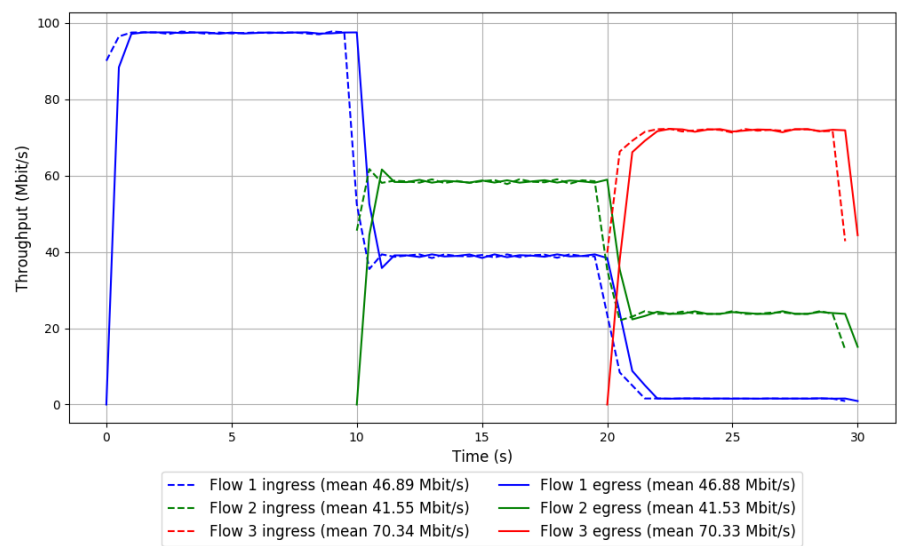
-- Flow 3:

Average throughput: 70.33 Mbit/s

95th percentile per-packet one-way delay: 13.932 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

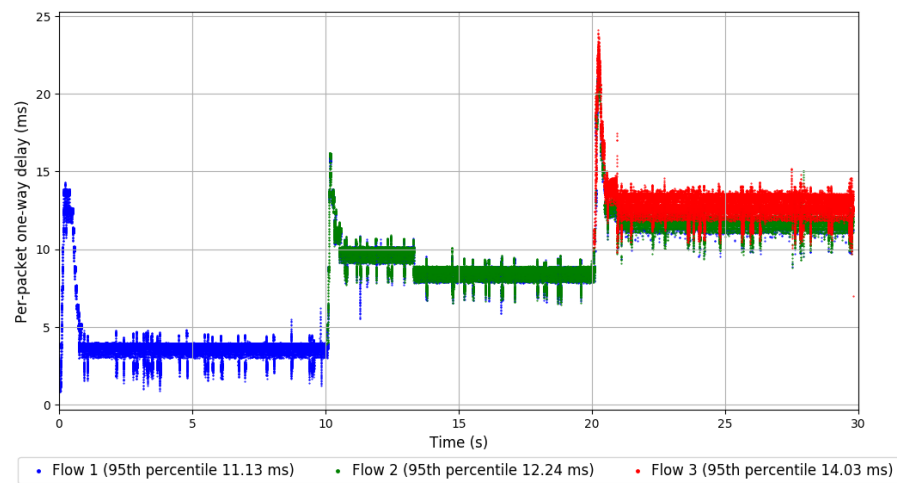
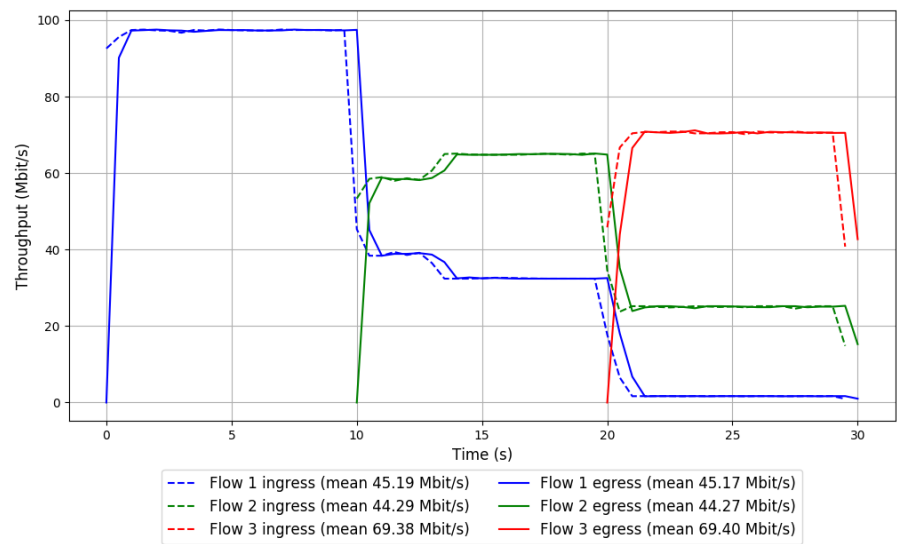


Run 4: Statistics of Indigo

Start at: 2018-05-22 04:23:42  
End at: 2018-05-22 04:24:12  
Local clock offset: 1.694 ms  
Remote clock offset: -4.655 ms

# Below is generated by plot.py at 2018-05-22 06:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.23 Mbit/s  
95th percentile per-packet one-way delay: 13.409 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 45.17 Mbit/s  
95th percentile per-packet one-way delay: 11.127 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.27 Mbit/s  
95th percentile per-packet one-way delay: 12.244 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 69.40 Mbit/s  
95th percentile per-packet one-way delay: 14.030 ms  
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



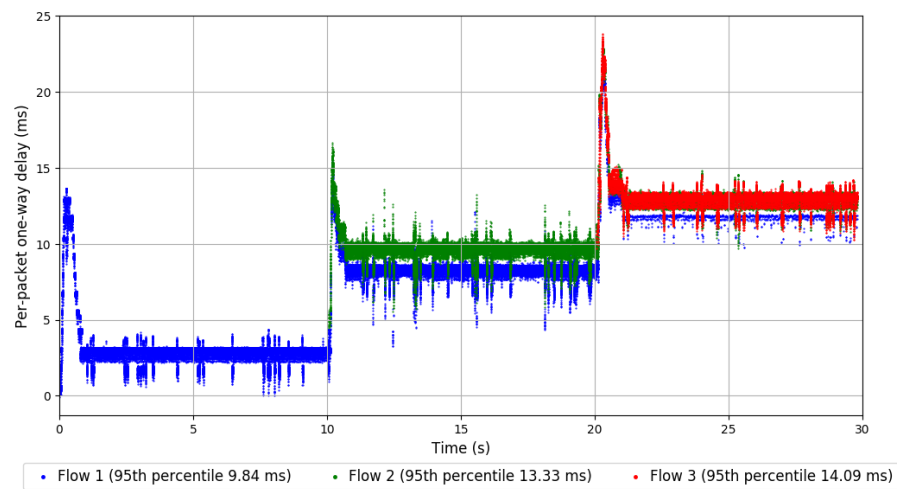
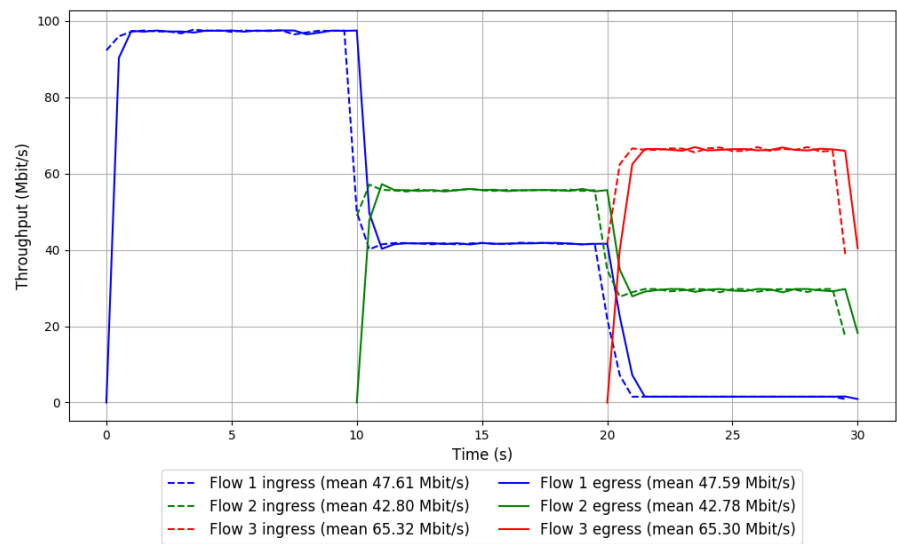
Run 5: Statistics of Indigo

Start at: 2018-05-22 04:41:34  
End at: 2018-05-22 04:42:04  
Local clock offset: 4.109 ms  
Remote clock offset: -1.775 ms

# Below is generated by plot.py at 2018-05-22 06:32:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.21 Mbit/s  
95th percentile per-packet one-way delay: 13.282 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.59 Mbit/s  
95th percentile per-packet one-way delay: 9.835 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.78 Mbit/s  
95th percentile per-packet one-way delay: 13.331 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 65.30 Mbit/s  
95th percentile per-packet one-way delay: 14.093 ms  
Loss rate: 0.00%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 04:59:25

End at: 2018-05-22 04:59:55

Local clock offset: 1.233 ms

Remote clock offset: 5.245 ms

# Below is generated by plot.py at 2018-05-22 06:32:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.27 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.61 Mbit/s

95th percentile per-packet one-way delay: 9.560 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 12.973 ms

Loss rate: 0.00%

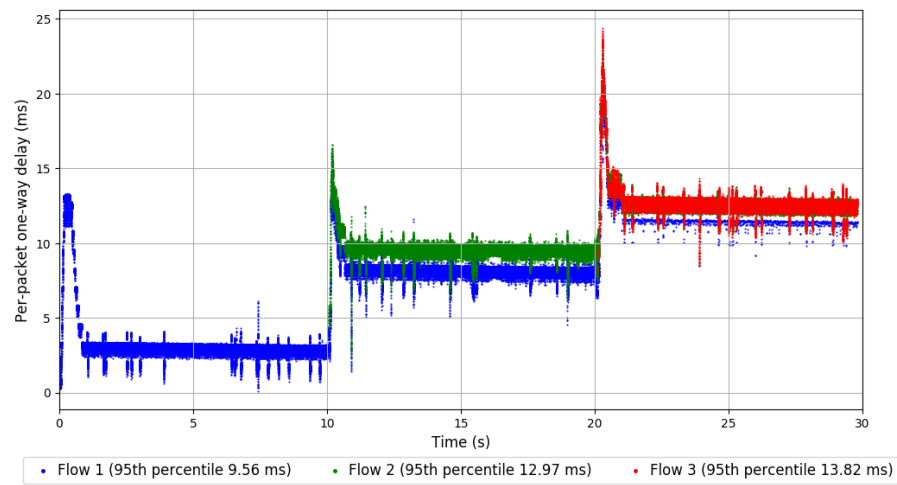
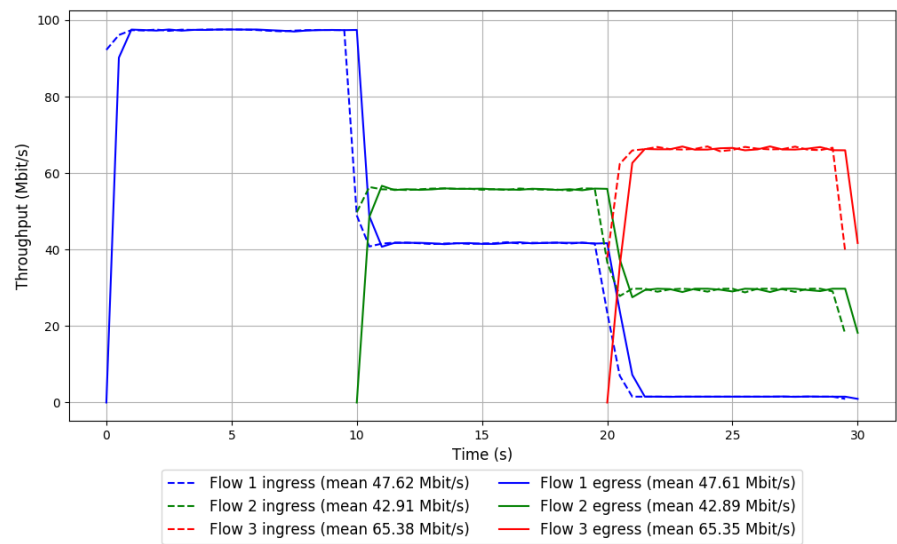
-- Flow 3:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 13.819 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

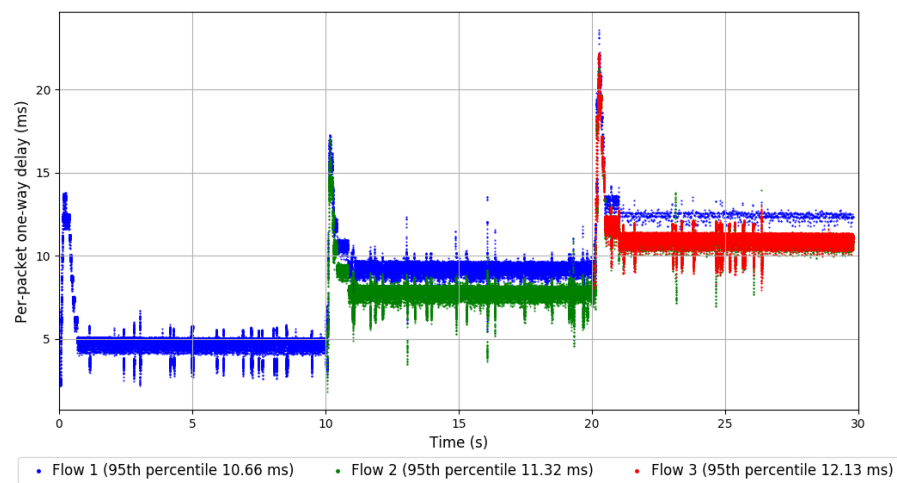
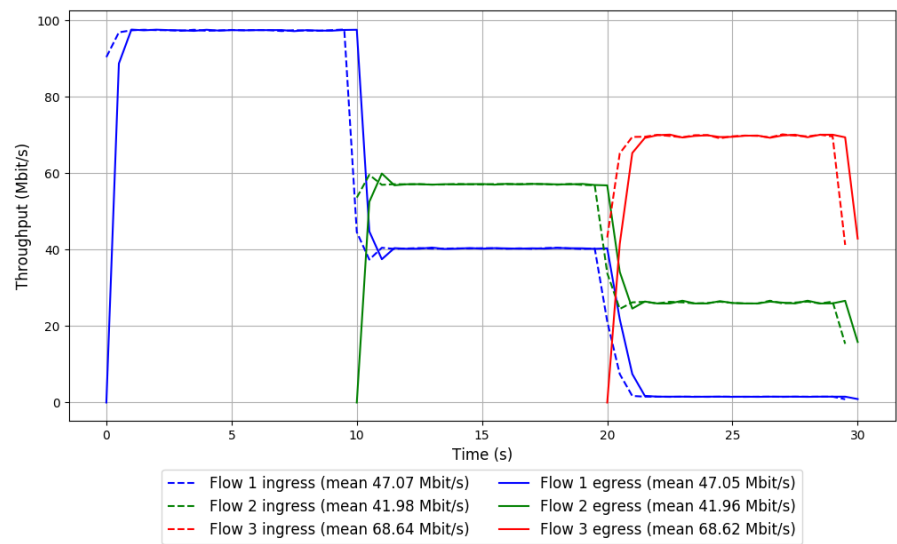


Run 7: Statistics of Indigo

Start at: 2018-05-22 05:17:17  
End at: 2018-05-22 05:17:47  
Local clock offset: -7.813 ms  
Remote clock offset: 10.146 ms

# Below is generated by plot.py at 2018-05-22 06:33:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 11.702 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.05 Mbit/s  
95th percentile per-packet one-way delay: 10.663 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.96 Mbit/s  
95th percentile per-packet one-way delay: 11.317 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 68.62 Mbit/s  
95th percentile per-packet one-way delay: 12.131 ms  
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 05:35:08

End at: 2018-05-22 05:35:38

Local clock offset: -7.808 ms

Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2018-05-22 06:33:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 11.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.44 Mbit/s

95th percentile per-packet one-way delay: 10.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 11.048 ms

Loss rate: 0.00%

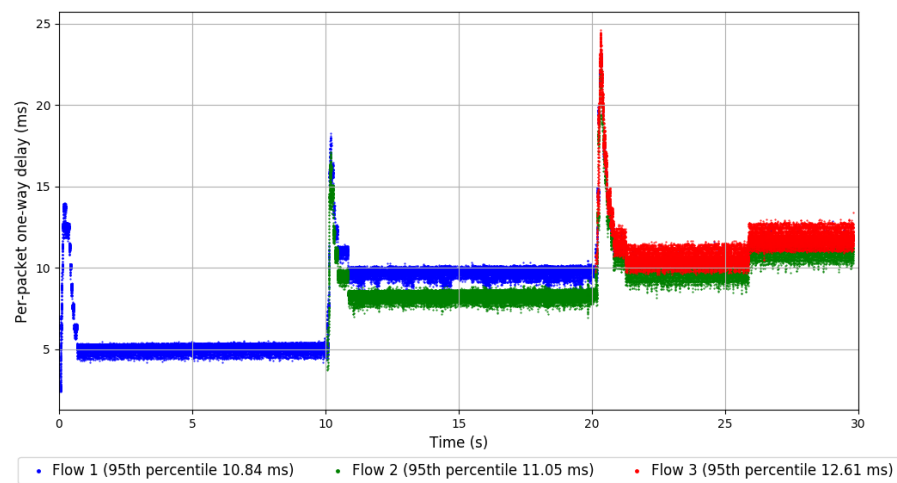
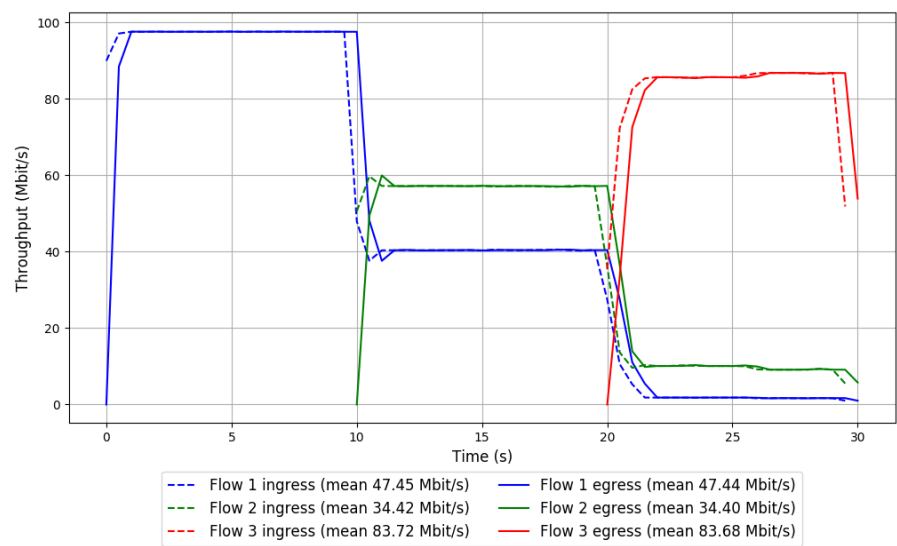
-- Flow 3:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 12.611 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



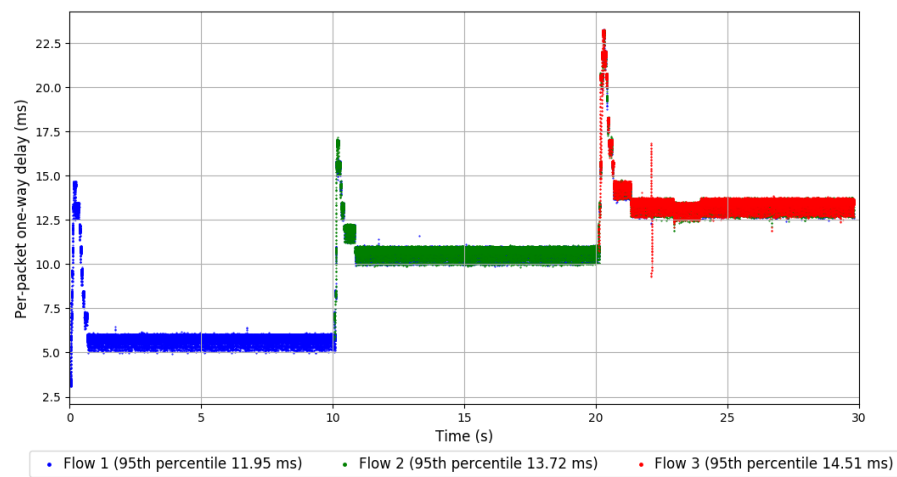
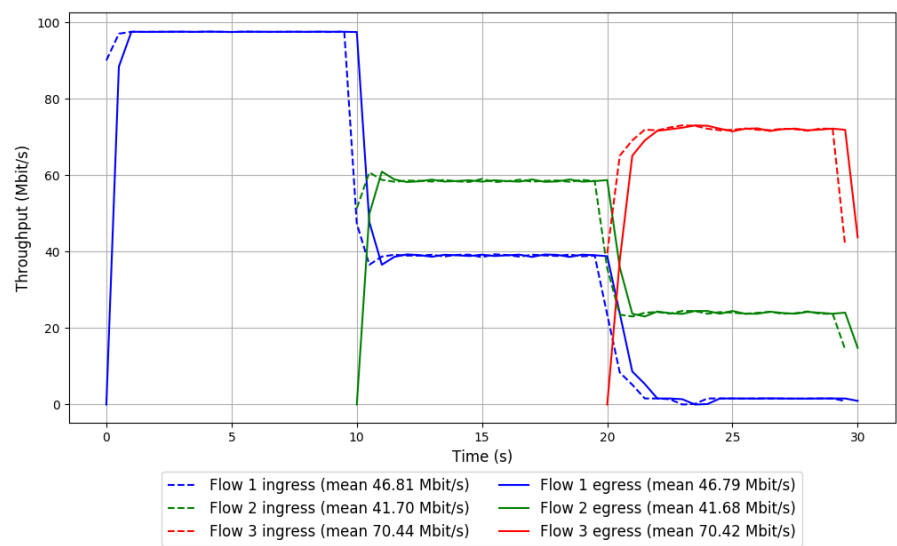
Run 9: Statistics of Indigo

Start at: 2018-05-22 05:52:59  
End at: 2018-05-22 05:53:29  
Local clock offset: -8.689 ms  
Remote clock offset: -4.033 ms

# Below is generated by plot.py at 2018-05-22 06:33:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 13.700 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.79 Mbit/s  
95th percentile per-packet one-way delay: 11.948 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.68 Mbit/s  
95th percentile per-packet one-way delay: 13.721 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.42 Mbit/s  
95th percentile per-packet one-way delay: 14.506 ms  
Loss rate: 0.01%



Run 9: Report of Indigo — Data Link

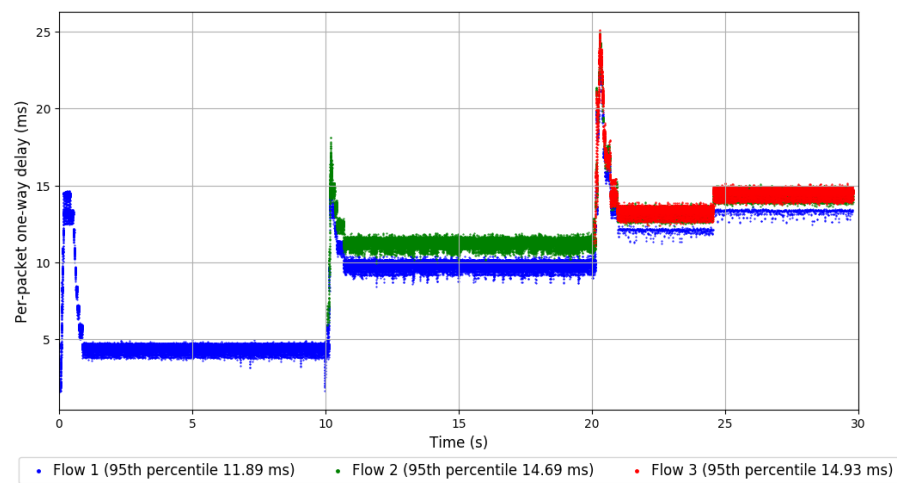
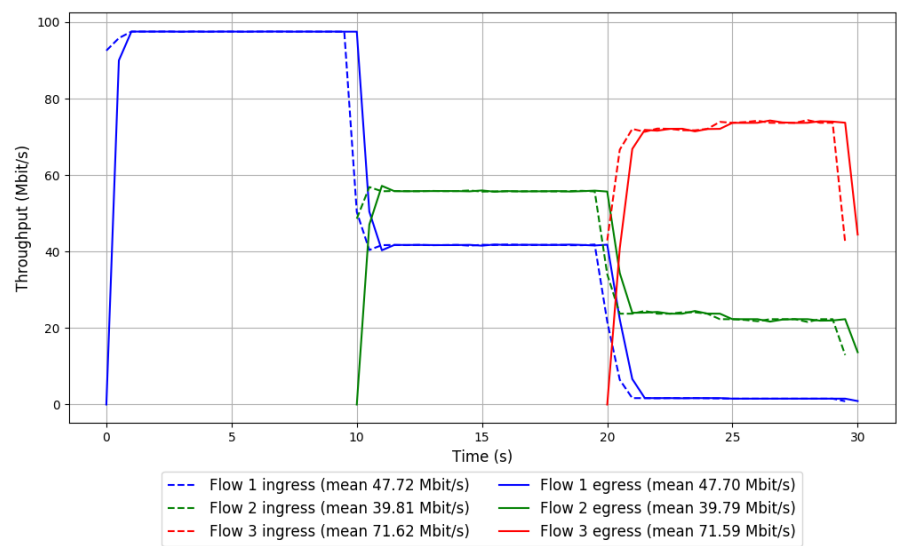


Run 10: Statistics of Indigo

Start at: 2018-05-22 06:10:50  
End at: 2018-05-22 06:11:20  
Local clock offset: -7.513 ms  
Remote clock offset: -3.563 ms

# Below is generated by plot.py at 2018-05-22 06:33:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 14.686 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.70 Mbit/s  
95th percentile per-packet one-way delay: 11.892 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.79 Mbit/s  
95th percentile per-packet one-way delay: 14.693 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 71.59 Mbit/s  
95th percentile per-packet one-way delay: 14.933 ms  
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

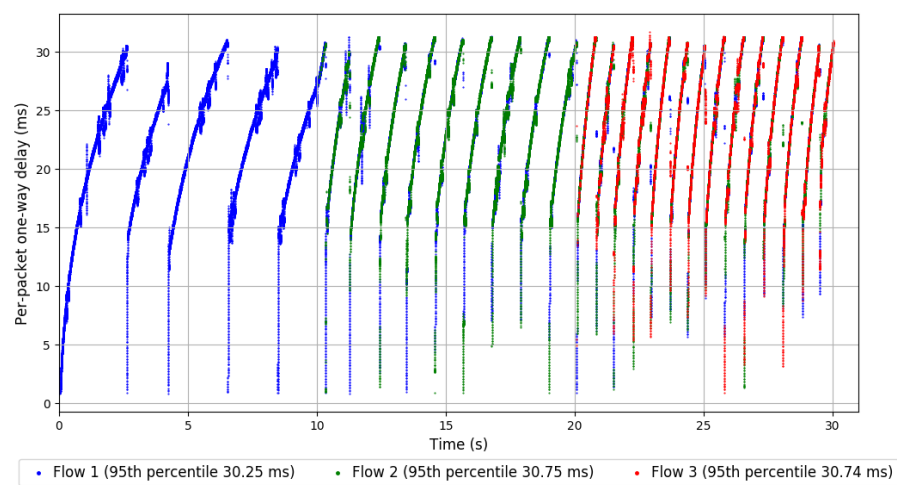
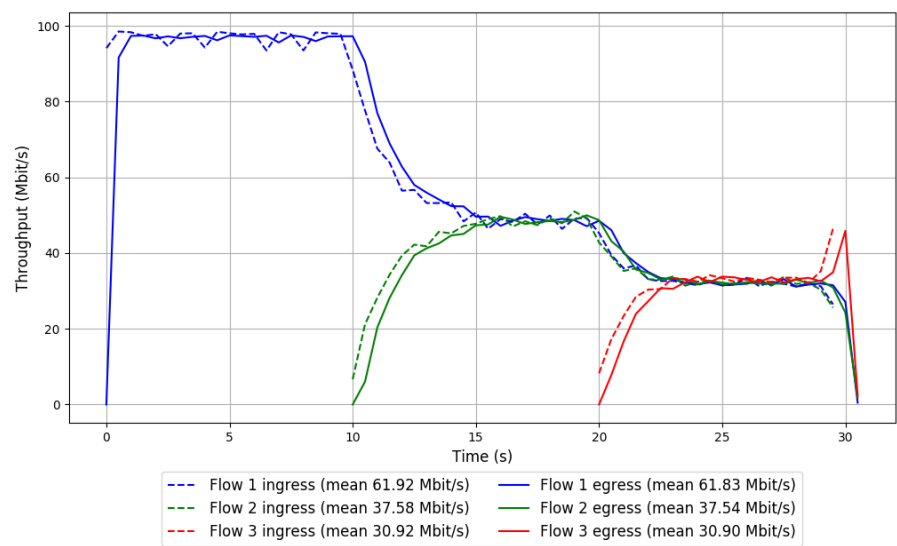


Run 1: Statistics of LEDBAT

Start at: 2018-05-22 03:22:25  
End at: 2018-05-22 03:22:55  
Local clock offset: -5.429 ms  
Remote clock offset: -2.426 ms

# Below is generated by plot.py at 2018-05-22 06:33:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.02 Mbit/s  
95th percentile per-packet one-way delay: 30.494 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 61.83 Mbit/s  
95th percentile per-packet one-way delay: 30.251 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 30.745 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 30.90 Mbit/s  
95th percentile per-packet one-way delay: 30.743 ms  
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link

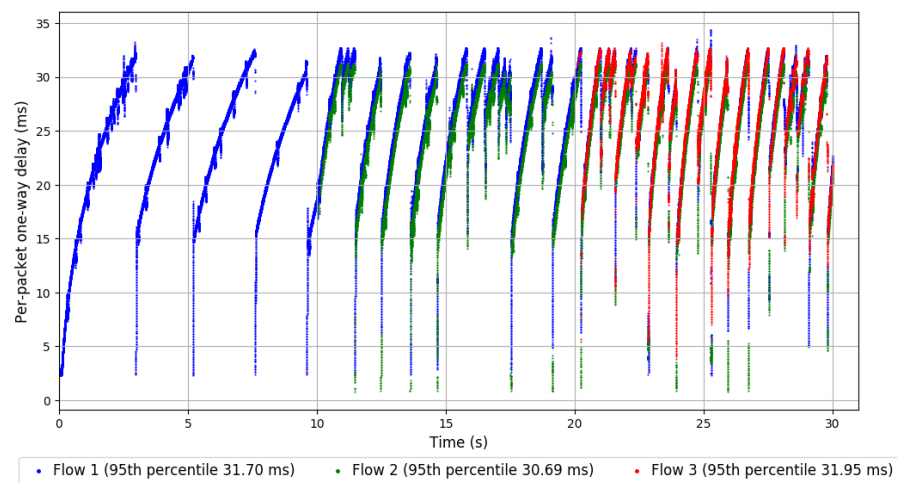
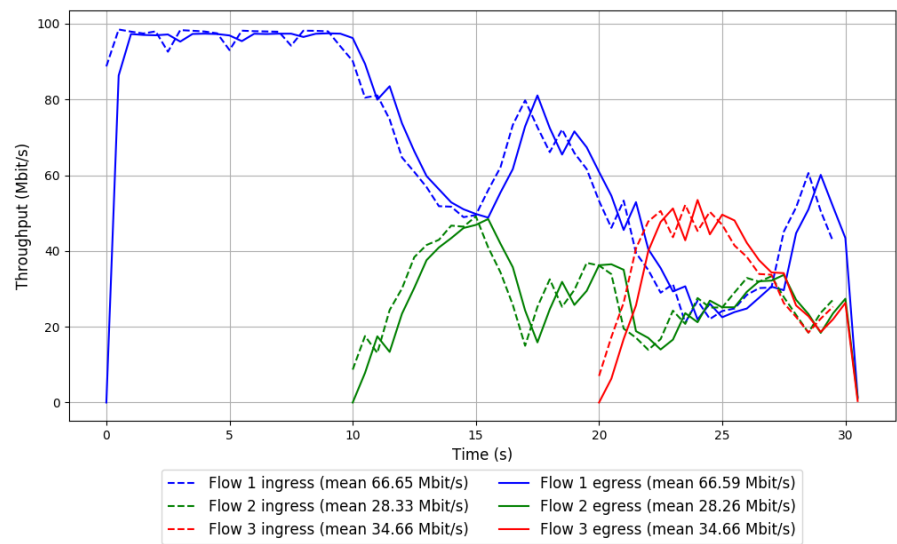


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 03:40:16  
End at: 2018-05-22 03:40:46  
Local clock offset: -5.683 ms  
Remote clock offset: -2.553 ms

# Below is generated by plot.py at 2018-05-22 06:33:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 31.633 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 66.59 Mbit/s  
95th percentile per-packet one-way delay: 31.697 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 28.26 Mbit/s  
95th percentile per-packet one-way delay: 30.686 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 34.66 Mbit/s  
95th percentile per-packet one-way delay: 31.952 ms  
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link



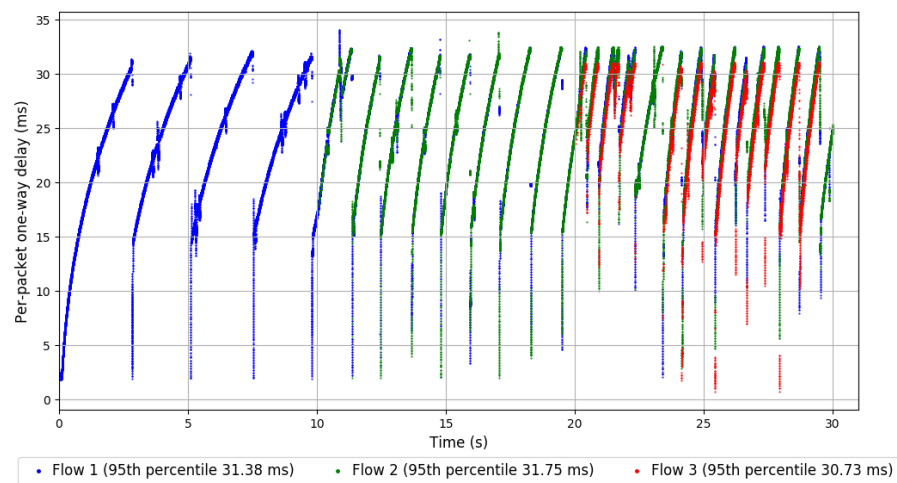
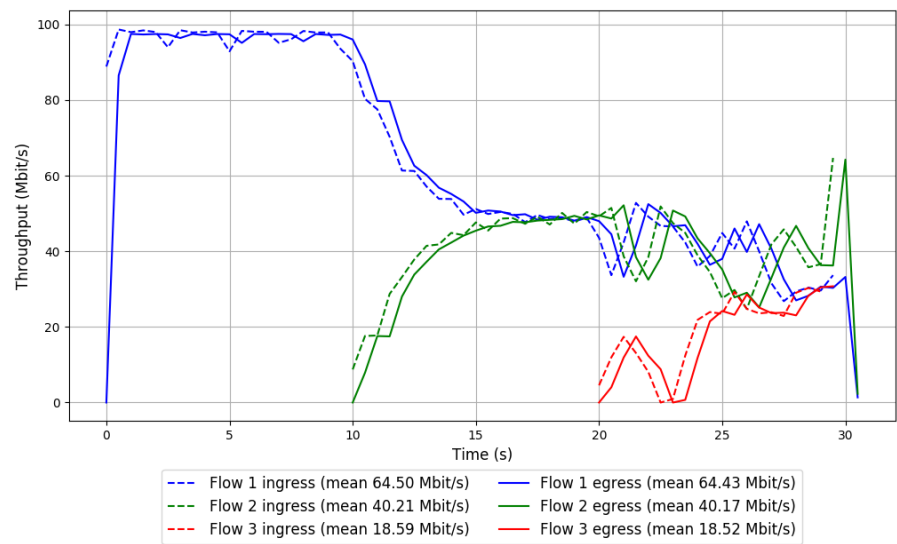
Run 3: Statistics of LEDBAT

Start at: 2018-05-22 03:58:08  
End at: 2018-05-22 03:58:38  
Local clock offset: -3.959 ms  
Remote clock offset: -6.969 ms

# Below is generated by plot.py at 2018-05-22 06:33:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 31.487 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 31.384 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 40.17 Mbit/s  
95th percentile per-packet one-way delay: 31.748 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 18.52 Mbit/s  
95th percentile per-packet one-way delay: 30.735 ms  
Loss rate: 0.33%



Run 3: Report of LEDBAT — Data Link

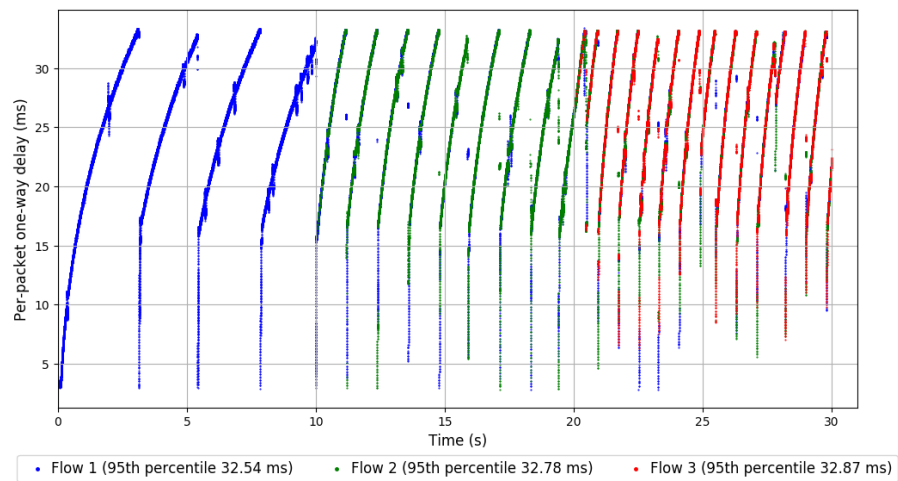
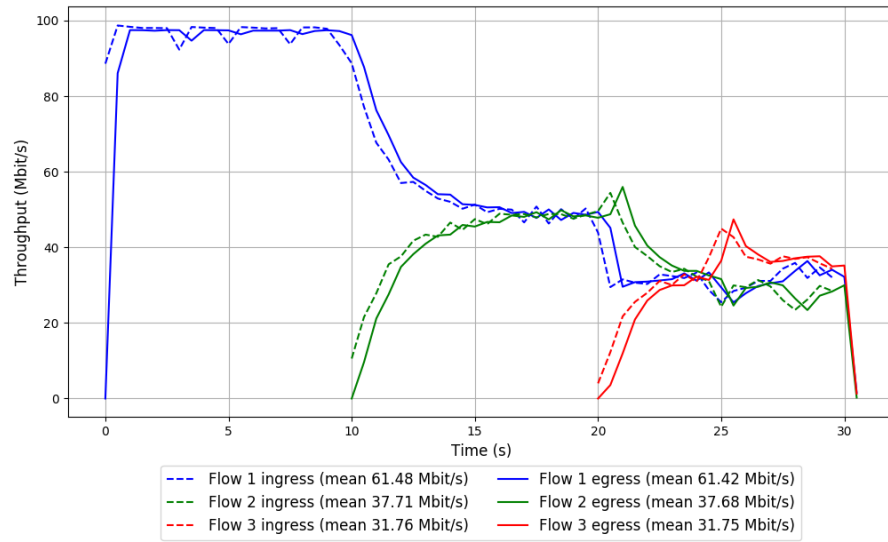


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 04:15:59  
End at: 2018-05-22 04:16:29  
Local clock offset: -0.011 ms  
Remote clock offset: -8.287 ms

# Below is generated by plot.py at 2018-05-22 06:33:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 32.649 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 61.42 Mbit/s  
95th percentile per-packet one-way delay: 32.544 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 37.68 Mbit/s  
95th percentile per-packet one-way delay: 32.777 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 31.75 Mbit/s  
95th percentile per-packet one-way delay: 32.865 ms  
Loss rate: 0.07%

# Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 04:33:50

End at: 2018-05-22 04:34:20

Local clock offset: 2.68 ms

Remote clock offset: -2.58 ms

# Below is generated by plot.py at 2018-05-22 06:34:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 30.707 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 30.414 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 36.01 Mbit/s

95th percentile per-packet one-way delay: 30.671 ms

Loss rate: 0.10%

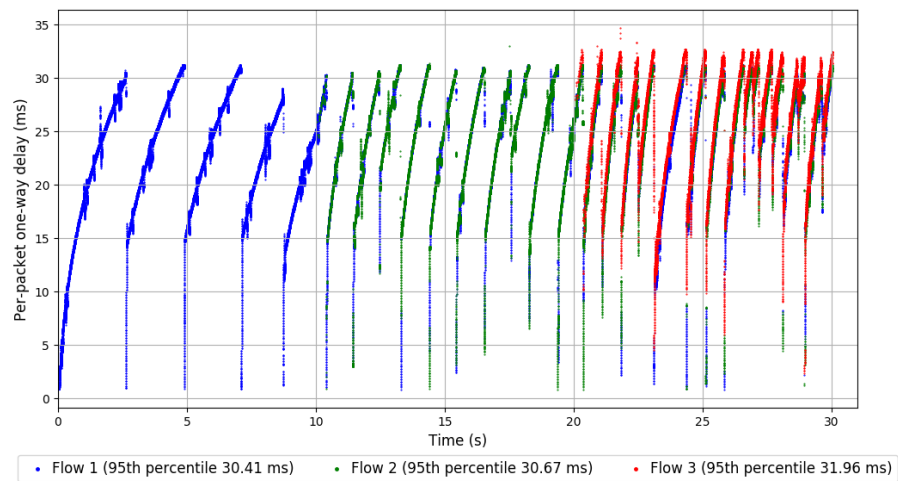
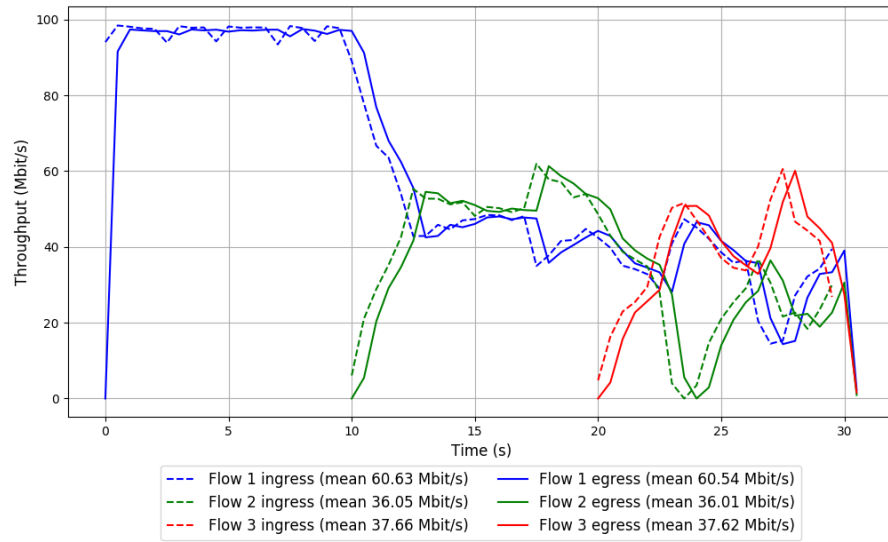
-- Flow 3:

Average throughput: 37.62 Mbit/s

95th percentile per-packet one-way delay: 31.962 ms

Loss rate: 0.05%

# Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-22 04:51:42

End at: 2018-05-22 04:52:12

Local clock offset: 4.123 ms

Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2018-05-22 06:34:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 30.733 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 30.327 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 31.617 ms

Loss rate: 0.03%

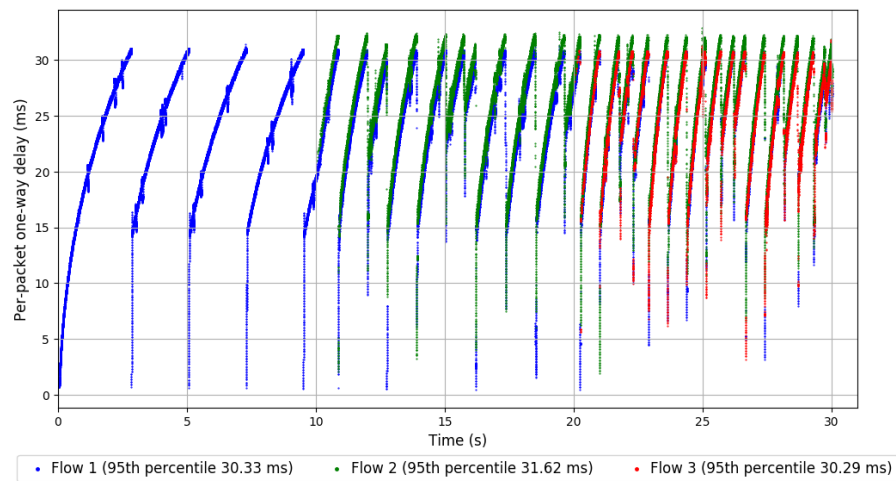
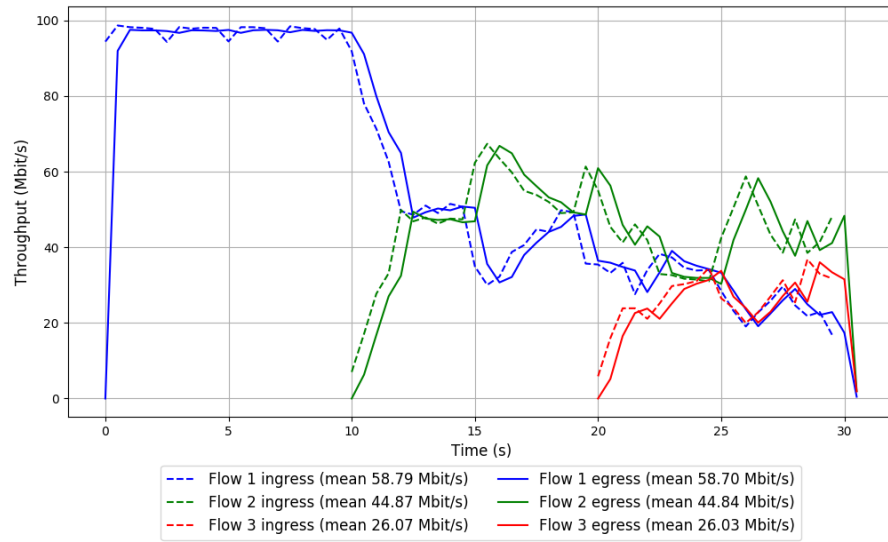
-- Flow 3:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 30.293 ms

Loss rate: 0.18%

# Run 6: Report of LEDBAT — Data Link



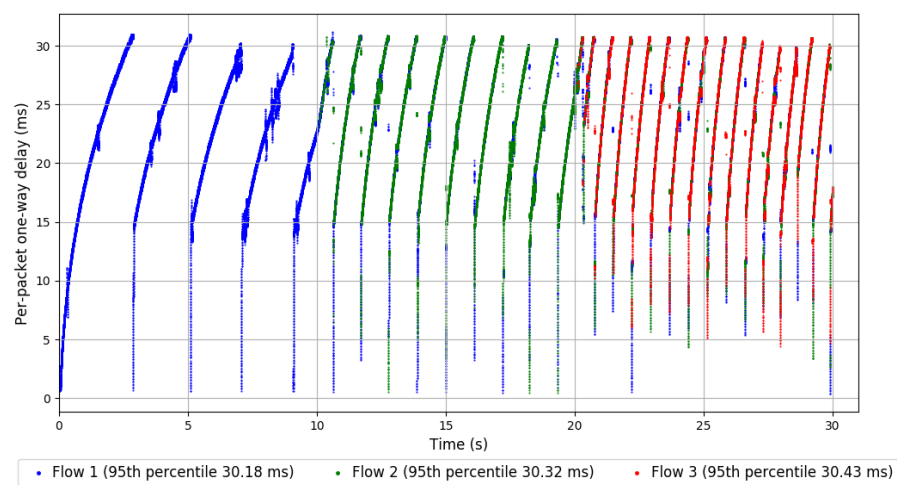
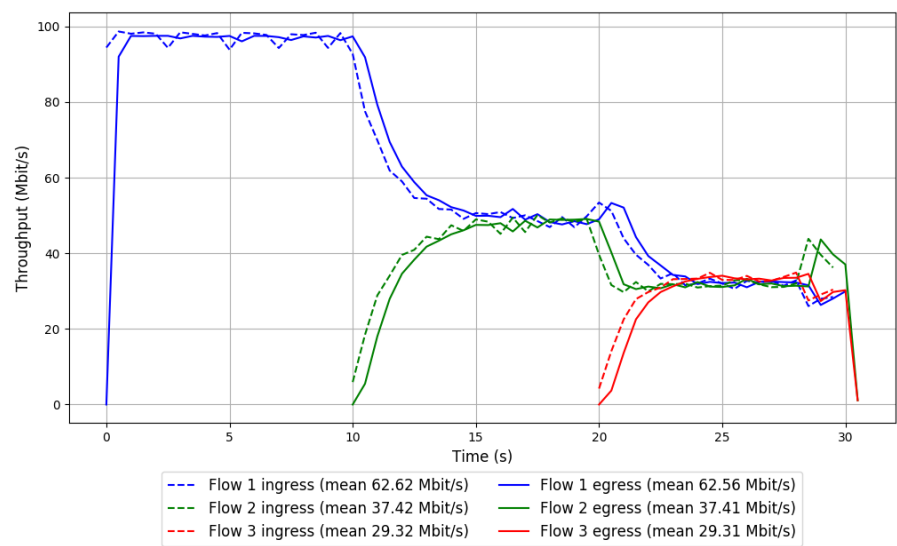
Run 7: Statistics of LEDBAT

Start at: 2018-05-22 05:09:33  
End at: 2018-05-22 05:10:03  
Local clock offset: -5.446 ms  
Remote clock offset: 8.449 ms

# Below is generated by plot.py at 2018-05-22 06:34:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 30.235 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 62.56 Mbit/s  
95th percentile per-packet one-way delay: 30.178 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 37.41 Mbit/s  
95th percentile per-packet one-way delay: 30.321 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.31 Mbit/s  
95th percentile per-packet one-way delay: 30.426 ms  
Loss rate: 0.12%



Run 7: Report of LEDBAT — Data Link

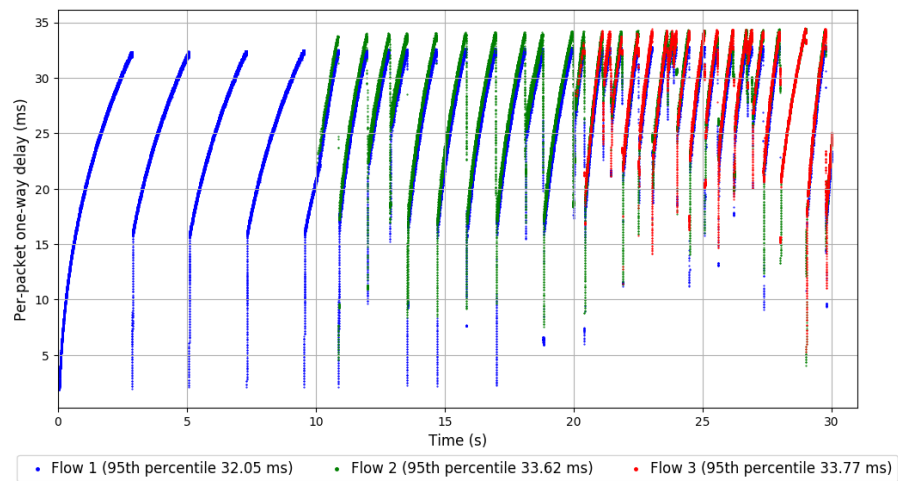
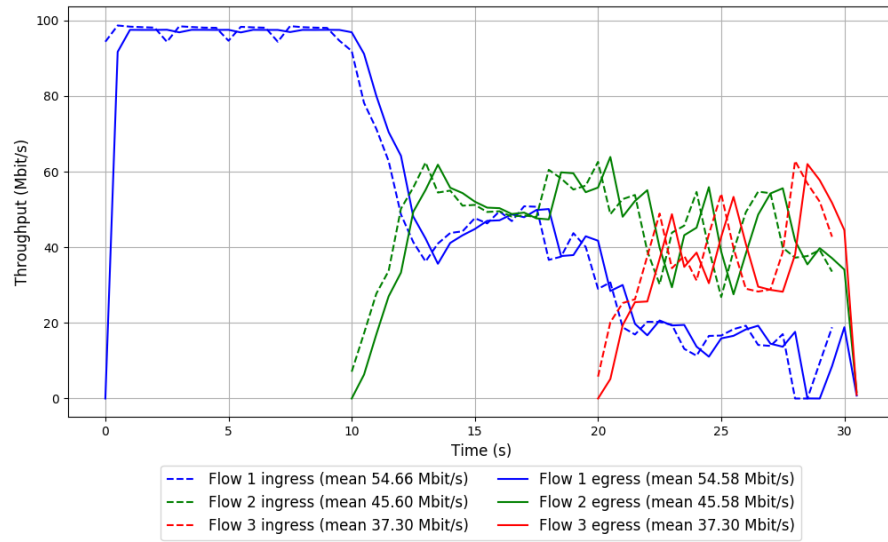


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 05:27:25  
End at: 2018-05-22 05:27:55  
Local clock offset: -10.075 ms  
Remote clock offset: 6.164 ms

# Below is generated by plot.py at 2018-05-22 06:34:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 33.176 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 54.58 Mbit/s  
95th percentile per-packet one-way delay: 32.052 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 45.58 Mbit/s  
95th percentile per-packet one-way delay: 33.618 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 37.30 Mbit/s  
95th percentile per-packet one-way delay: 33.775 ms  
Loss rate: 0.04%

# Run 8: Report of LEDBAT — Data Link

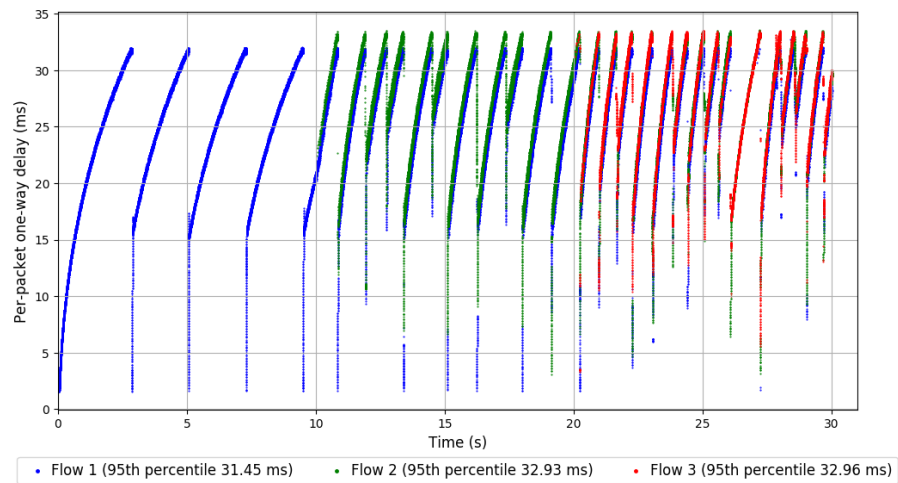
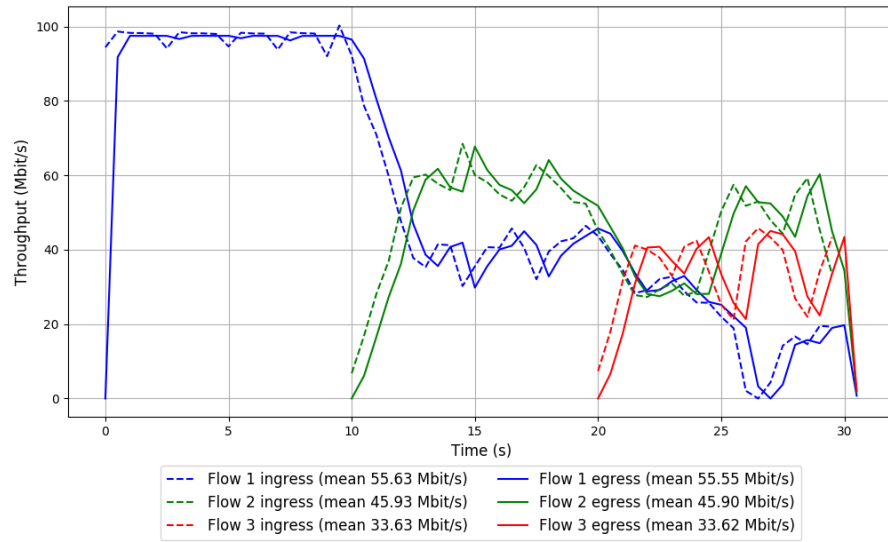


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 05:45:16  
End at: 2018-05-22 05:45:46  
Local clock offset: -8.342 ms  
Remote clock offset: -3.014 ms

# Below is generated by plot.py at 2018-05-22 06:34:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.27 Mbit/s  
95th percentile per-packet one-way delay: 32.254 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 55.55 Mbit/s  
95th percentile per-packet one-way delay: 31.450 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 45.90 Mbit/s  
95th percentile per-packet one-way delay: 32.932 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 33.62 Mbit/s  
95th percentile per-packet one-way delay: 32.956 ms  
Loss rate: 0.04%

# Run 9: Report of LEDBAT — Data Link

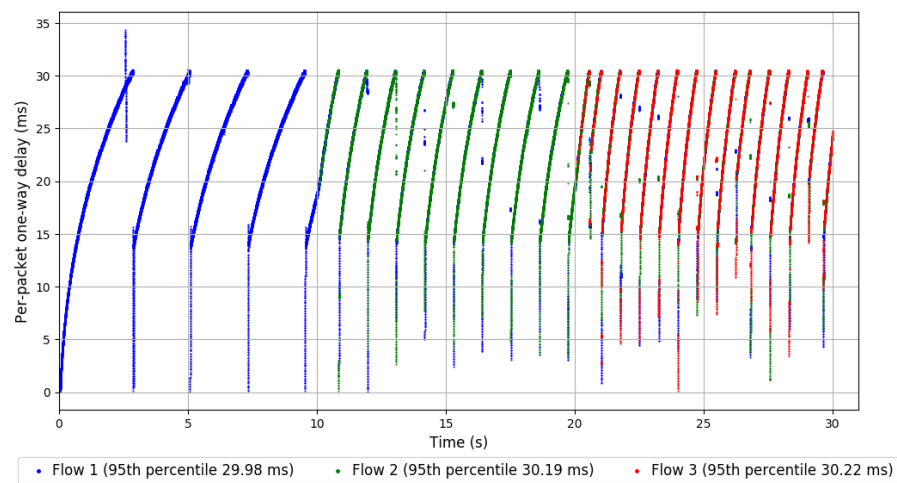
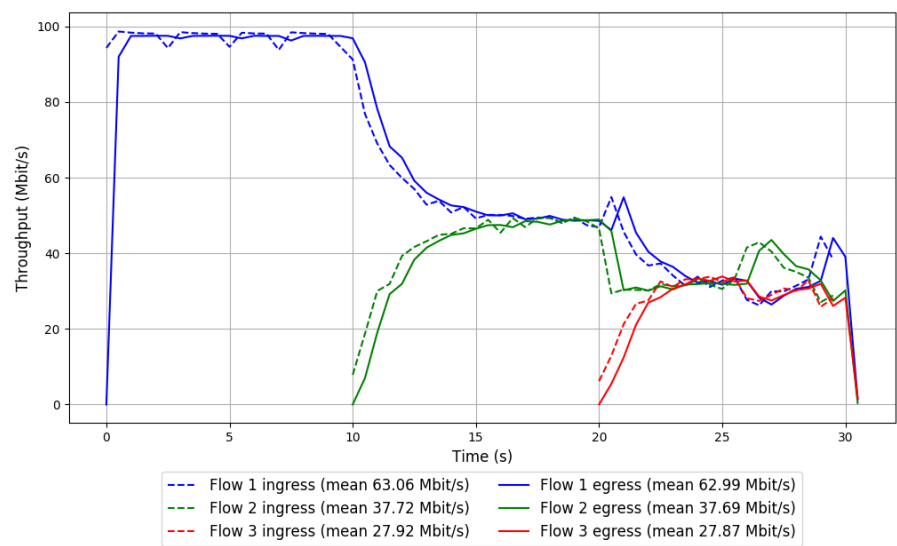


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 06:03:07  
End at: 2018-05-22 06:03:37  
Local clock offset: -6.301 ms  
Remote clock offset: -3.873 ms

# Below is generated by plot.py at 2018-05-22 06:34:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 30.133 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.99 Mbit/s  
95th percentile per-packet one-way delay: 29.981 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.69 Mbit/s  
95th percentile per-packet one-way delay: 30.192 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 27.87 Mbit/s  
95th percentile per-packet one-way delay: 30.222 ms  
Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link



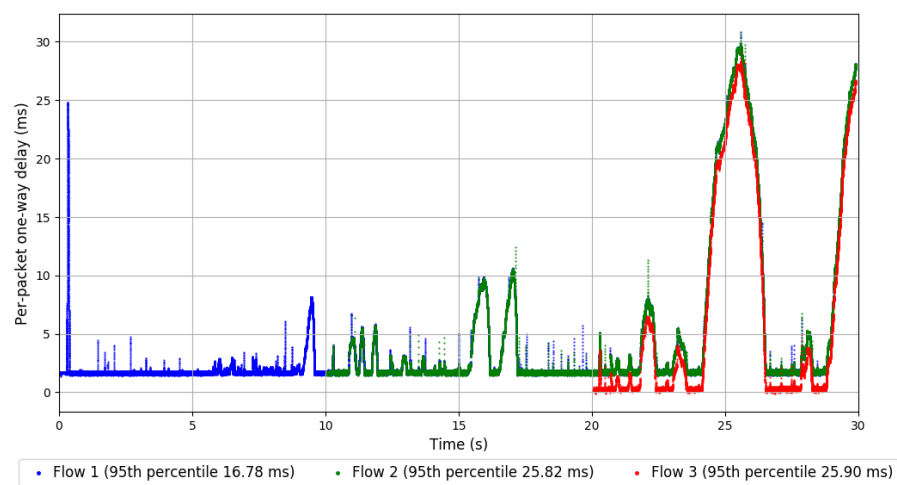
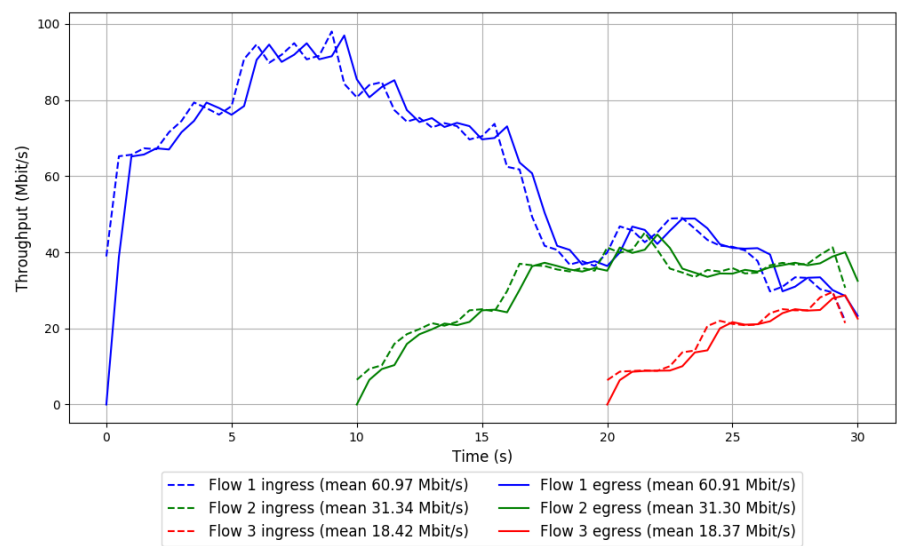
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 03:21:19  
End at: 2018-05-22 03:21:49  
Local clock offset: -4.622 ms  
Remote clock offset: -2.396 ms

# Below is generated by plot.py at 2018-05-22 06:34:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.80 Mbit/s  
95th percentile per-packet one-way delay: 22.825 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 60.91 Mbit/s  
95th percentile per-packet one-way delay: 16.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.30 Mbit/s  
95th percentile per-packet one-way delay: 25.824 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.37 Mbit/s  
95th percentile per-packet one-way delay: 25.904 ms  
Loss rate: 0.00%



Run 1: Report of PCC-Allegro — Data Link

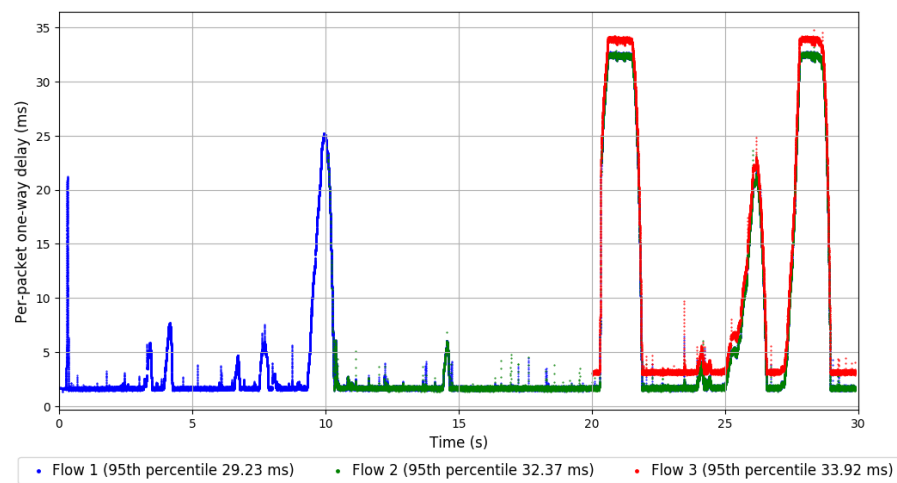
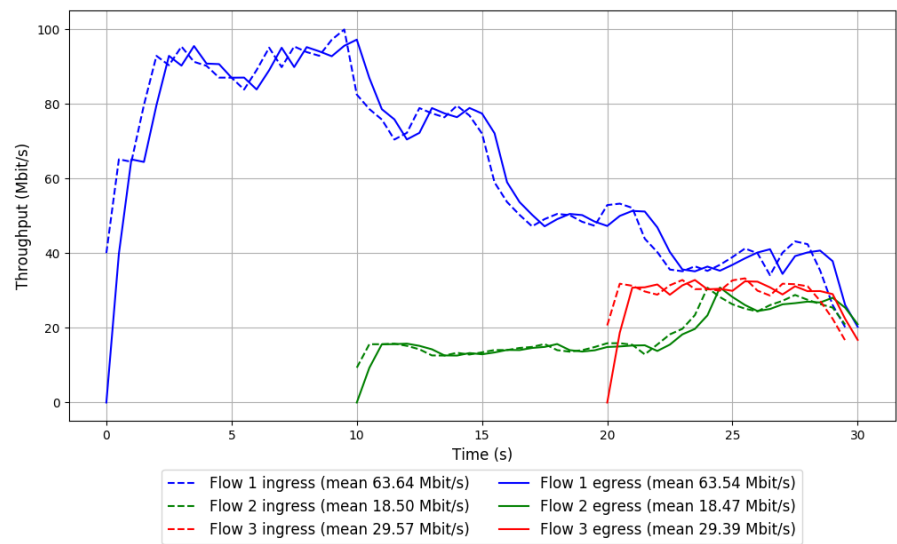


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 03:39:10  
End at: 2018-05-22 03:39:40  
Local clock offset: -6.509 ms  
Remote clock offset: -2.677 ms

# Below is generated by plot.py at 2018-05-22 06:34:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.50 Mbit/s  
95th percentile per-packet one-way delay: 32.339 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 63.54 Mbit/s  
95th percentile per-packet one-way delay: 29.234 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 18.47 Mbit/s  
95th percentile per-packet one-way delay: 32.373 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 29.39 Mbit/s  
95th percentile per-packet one-way delay: 33.921 ms  
Loss rate: 0.60%

Run 2: Report of PCC-Allegro — Data Link

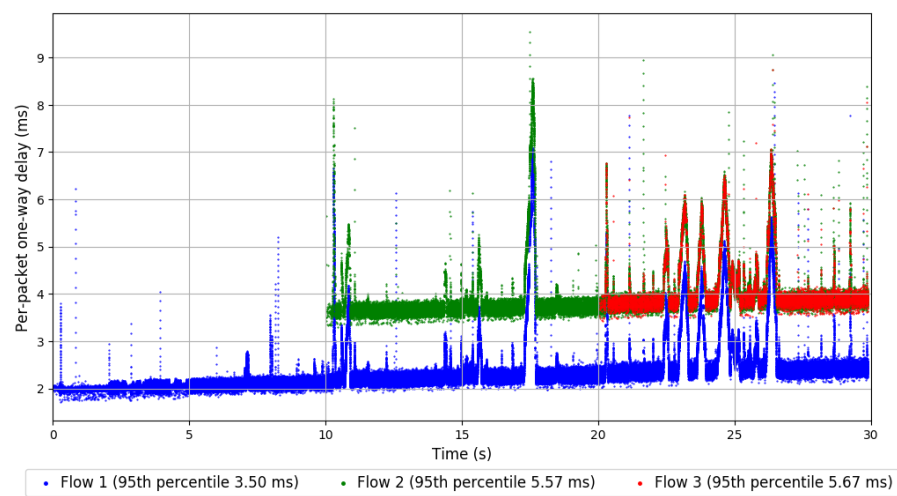
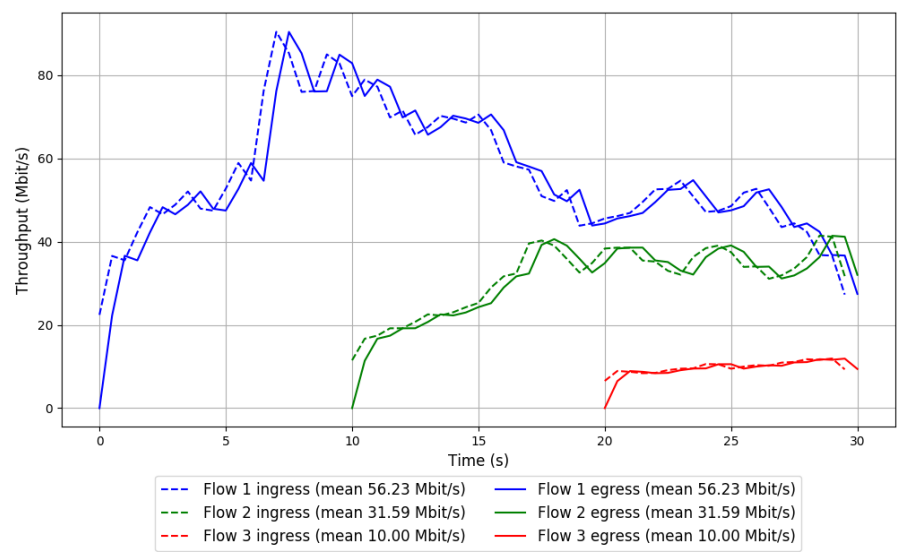


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 03:57:01  
End at: 2018-05-22 03:57:31  
Local clock offset: -6.226 ms  
Remote clock offset: -6.901 ms

# Below is generated by plot.py at 2018-05-22 06:35:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.53 Mbit/s  
95th percentile per-packet one-way delay: 4.554 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.23 Mbit/s  
95th percentile per-packet one-way delay: 3.501 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.59 Mbit/s  
95th percentile per-packet one-way delay: 5.565 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 10.00 Mbit/s  
95th percentile per-packet one-way delay: 5.667 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

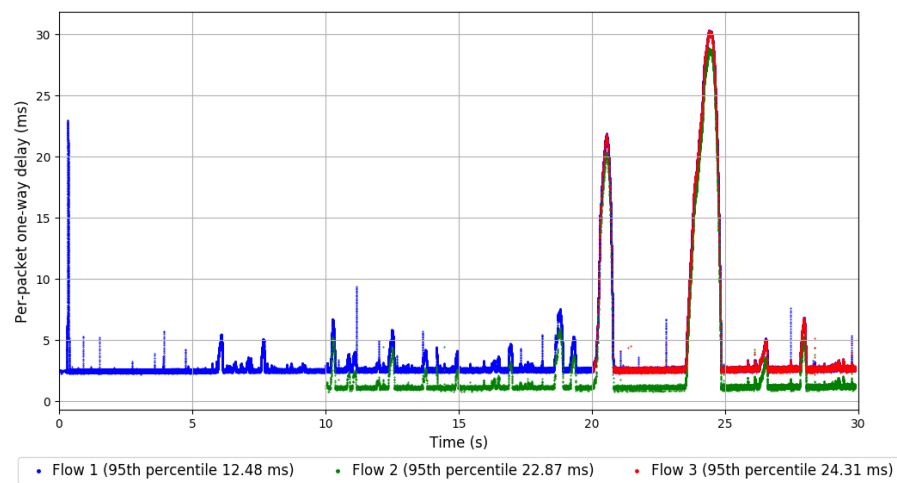
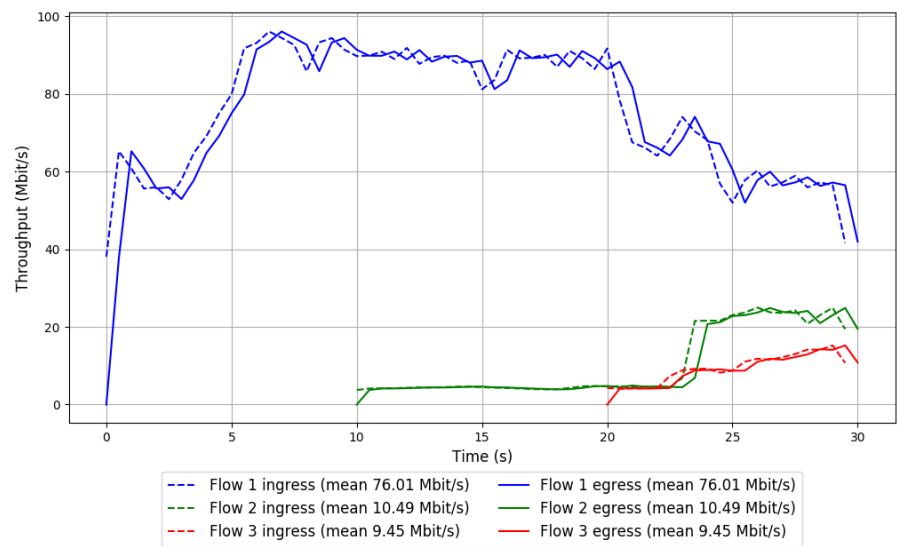


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 04:14:52  
End at: 2018-05-22 04:15:22  
Local clock offset: 0.573 ms  
Remote clock offset: -8.497 ms

# Below is generated by plot.py at 2018-05-22 06:35:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.10 Mbit/s  
95th percentile per-packet one-way delay: 16.159 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 76.01 Mbit/s  
95th percentile per-packet one-way delay: 12.483 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.49 Mbit/s  
95th percentile per-packet one-way delay: 22.867 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 9.45 Mbit/s  
95th percentile per-packet one-way delay: 24.308 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



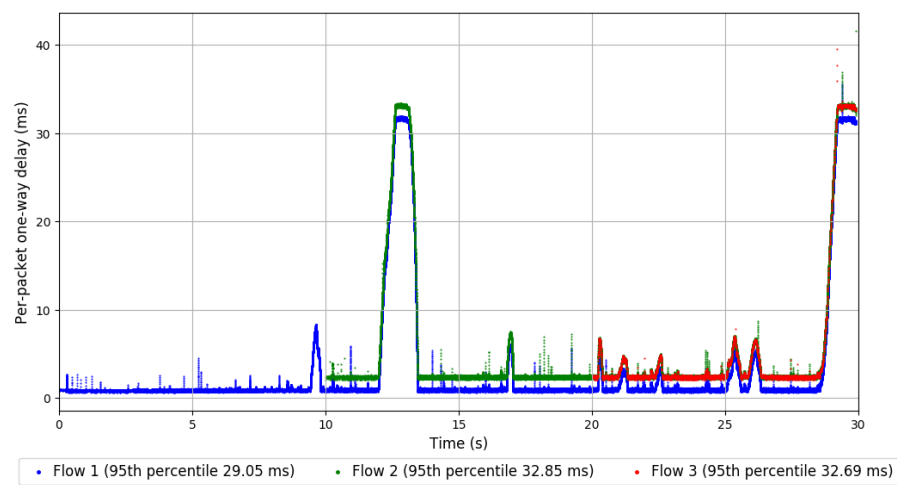
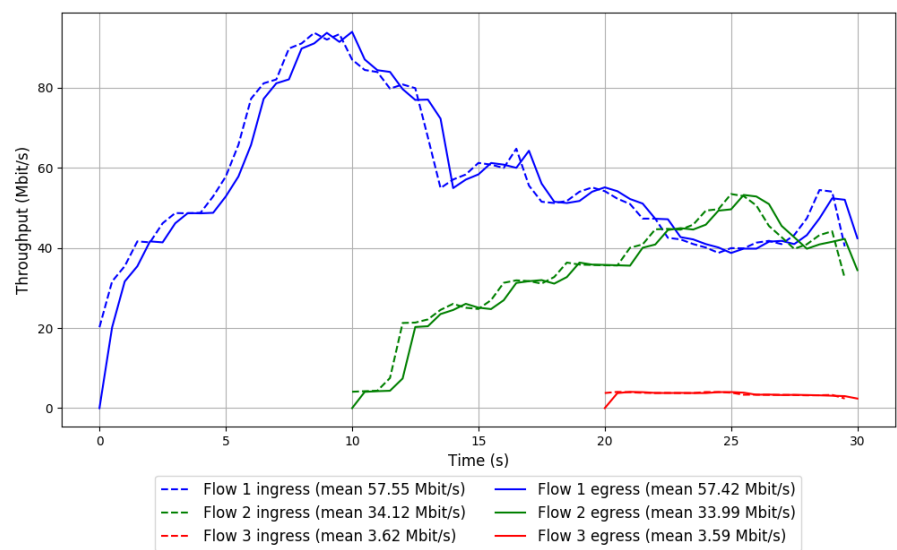
Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 04:32:44  
End at: 2018-05-22 04:33:14  
Local clock offset: 2.593 ms  
Remote clock offset: -2.817 ms

# Below is generated by plot.py at 2018-05-22 06:35:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.20 Mbit/s  
95th percentile per-packet one-way delay: 30.924 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 57.42 Mbit/s  
95th percentile per-packet one-way delay: 29.050 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 33.99 Mbit/s  
95th percentile per-packet one-way delay: 32.850 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 3.59 Mbit/s  
95th percentile per-packet one-way delay: 32.685 ms  
Loss rate: 0.64%



Run 5: Report of PCC-Allegro — Data Link

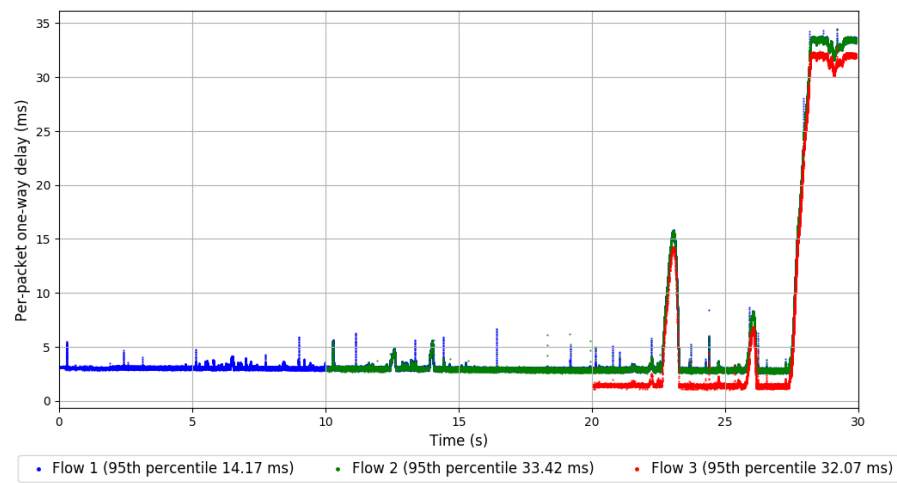
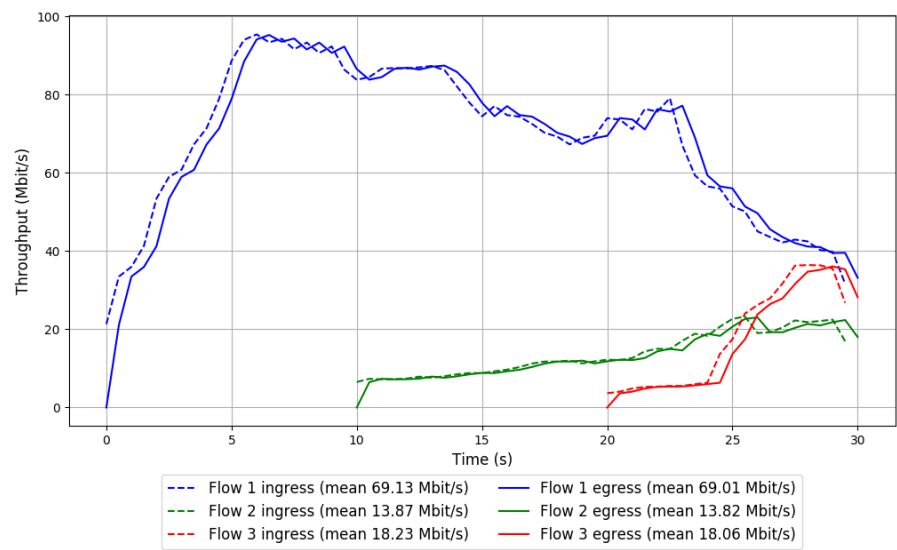


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 04:50:35  
End at: 2018-05-22 04:51:05  
Local clock offset: 3.254 ms  
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2018-05-22 06:35:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.17 Mbit/s  
95th percentile per-packet one-way delay: 31.978 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 69.01 Mbit/s  
95th percentile per-packet one-way delay: 14.168 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 13.82 Mbit/s  
95th percentile per-packet one-way delay: 33.420 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 18.06 Mbit/s  
95th percentile per-packet one-way delay: 32.074 ms  
Loss rate: 0.58%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 05:08:27

End at: 2018-05-22 05:08:57

Local clock offset: -4.992 ms

Remote clock offset: 8.233 ms

# Below is generated by plot.py at 2018-05-22 06:36:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 25.663 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 70.62 Mbit/s

95th percentile per-packet one-way delay: 16.275 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 30.356 ms

Loss rate: 0.04%

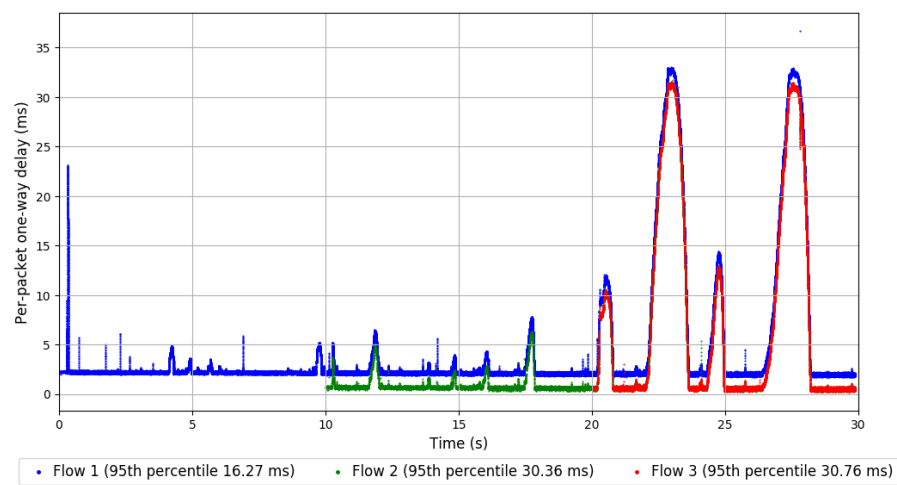
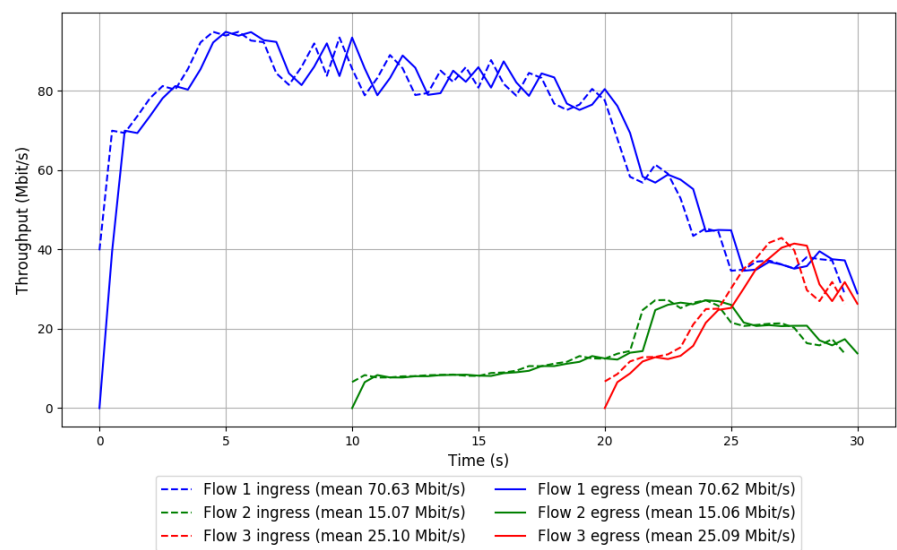
-- Flow 3:

Average throughput: 25.09 Mbit/s

95th percentile per-packet one-way delay: 30.763 ms

Loss rate: 0.05%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 05:26:19

End at: 2018-05-22 05:26:49

Local clock offset: -9.518 ms

Remote clock offset: 7.603 ms

# Below is generated by plot.py at 2018-05-22 06:36:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 8.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 4.569 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.16 Mbit/s

95th percentile per-packet one-way delay: 22.277 ms

Loss rate: 0.00%

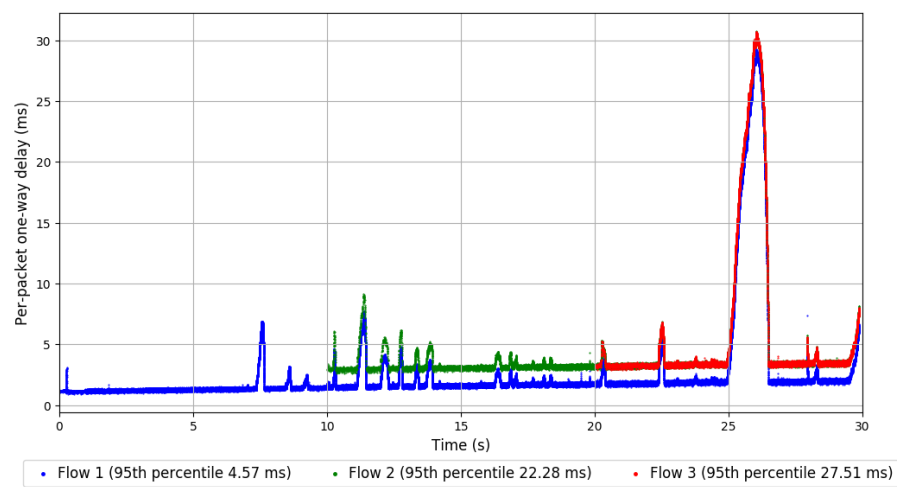
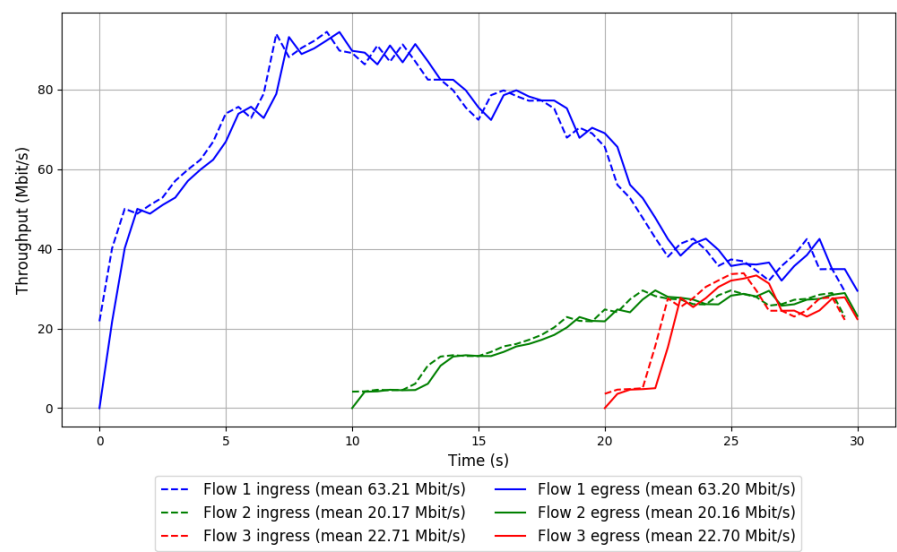
-- Flow 3:

Average throughput: 22.70 Mbit/s

95th percentile per-packet one-way delay: 27.509 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 05:44:10

End at: 2018-05-22 05:44:40

Local clock offset: -6.787 ms

Remote clock offset: -2.81 ms

# Below is generated by plot.py at 2018-05-22 06:36:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.06 Mbit/s

95th percentile per-packet one-way delay: 6.101 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 15.380 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 31.02 Mbit/s

95th percentile per-packet one-way delay: 5.174 ms

Loss rate: 0.07%

-- Flow 3:

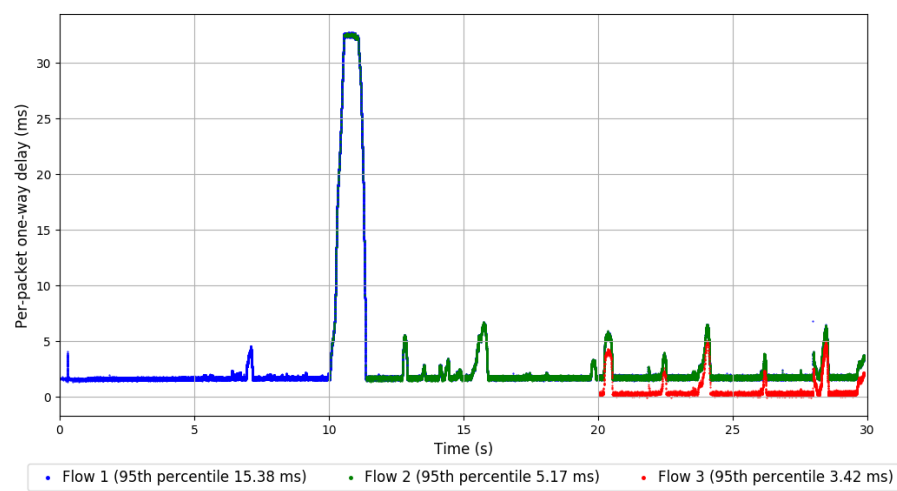
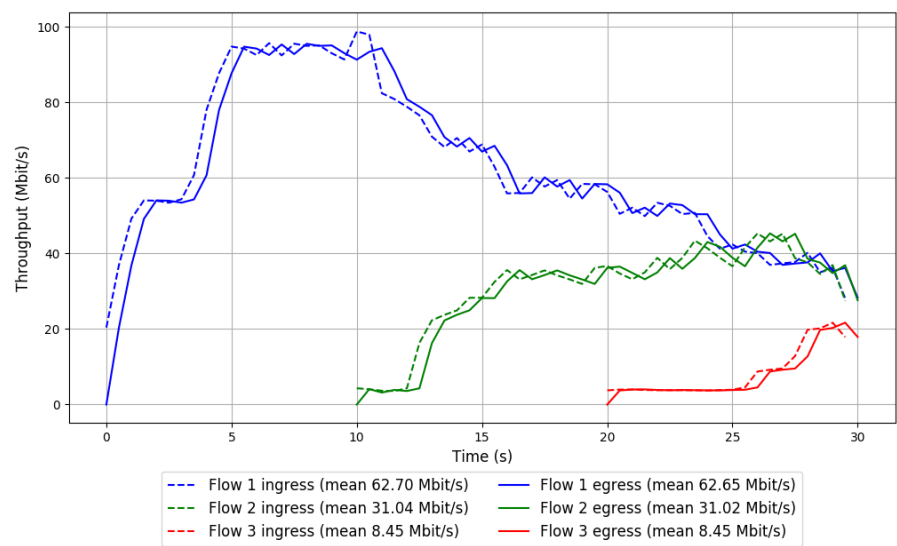
Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 3.420 ms

Loss rate: 0.00%



Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 06:02:00

End at: 2018-05-22 06:02:30

Local clock offset: -7.177 ms

Remote clock offset: -4.06 ms

# Below is generated by plot.py at 2018-05-22 06:36:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 3.259 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 3.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 2.885 ms

Loss rate: 0.00%

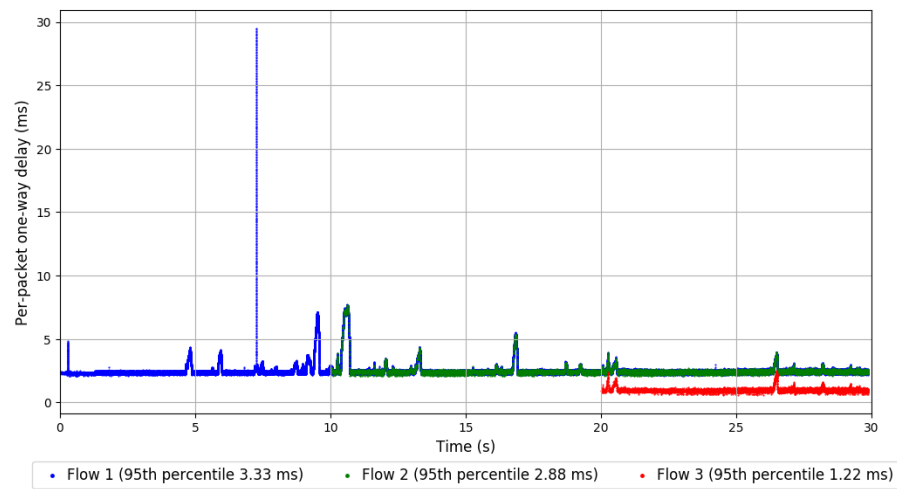
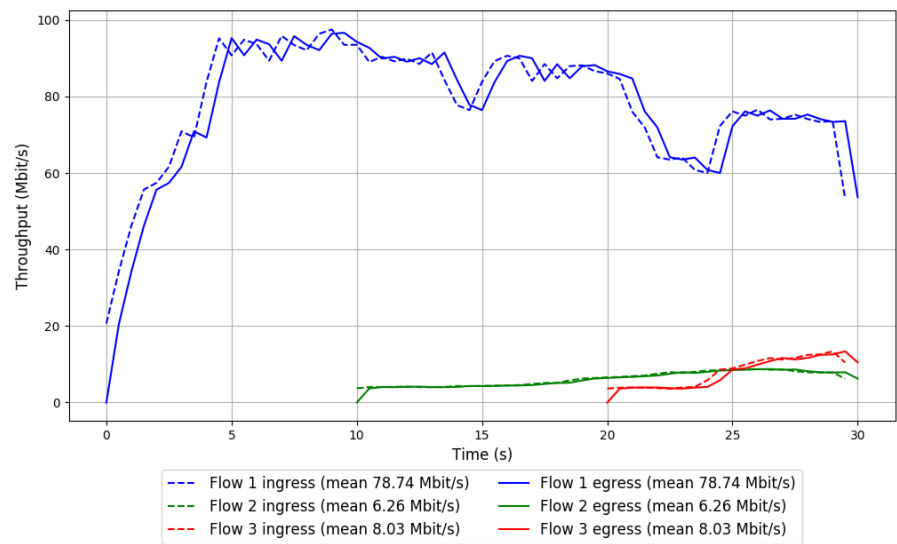
-- Flow 3:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

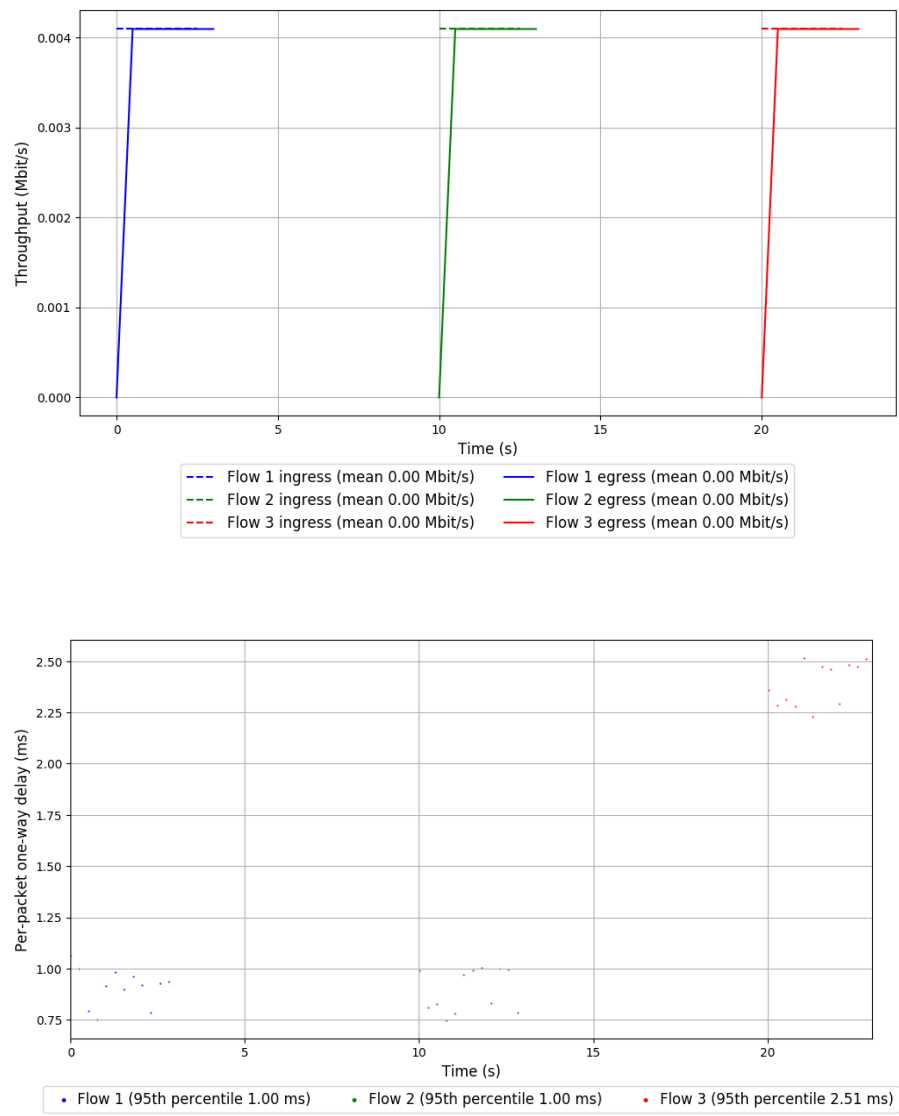
Start at: 2018-05-22 03:29:05

End at: 2018-05-22 03:29:35

Local clock offset: -5.498 ms

Remote clock offset: -2.482 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

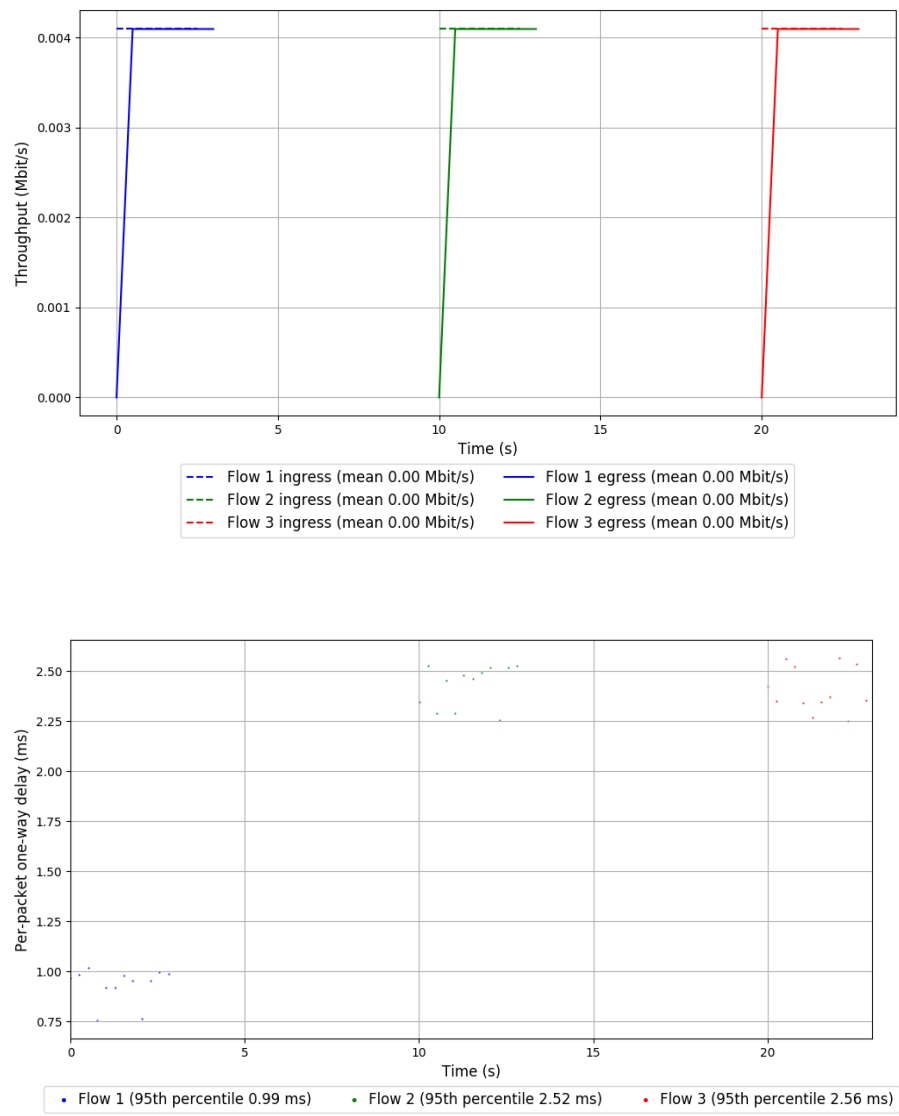
Start at: 2018-05-22 03:46:56

End at: 2018-05-22 03:47:26

Local clock offset: -5.725 ms

Remote clock offset: -4.834 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 04:04:47

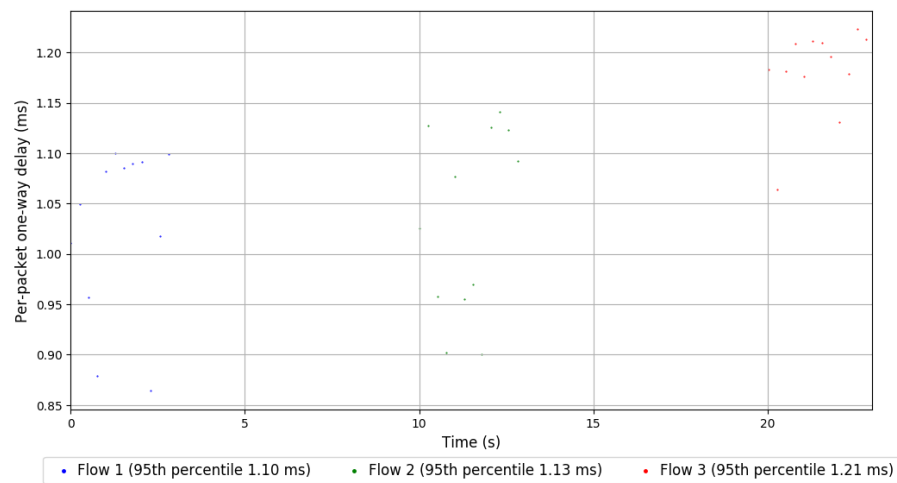
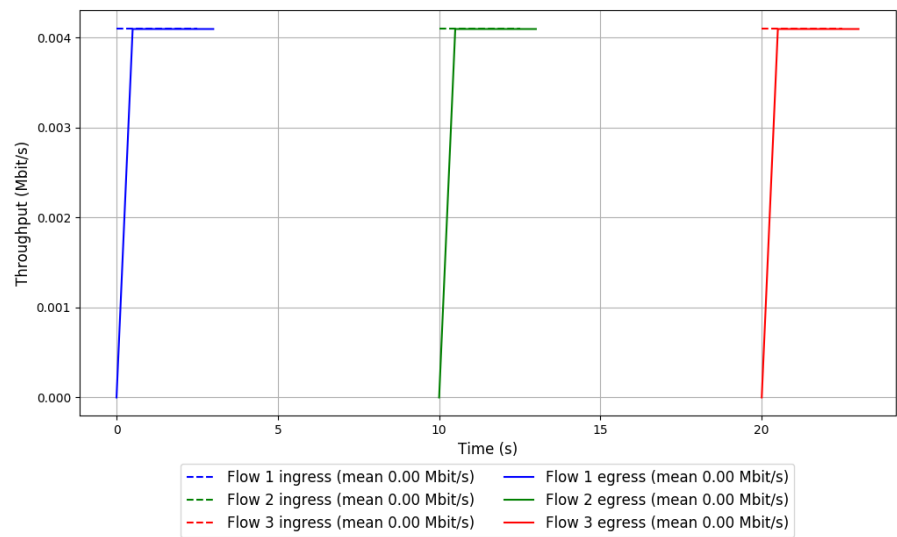
End at: 2018-05-22 04:05:17

Local clock offset: -1.651 ms

Remote clock offset: -7.69 ms



Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

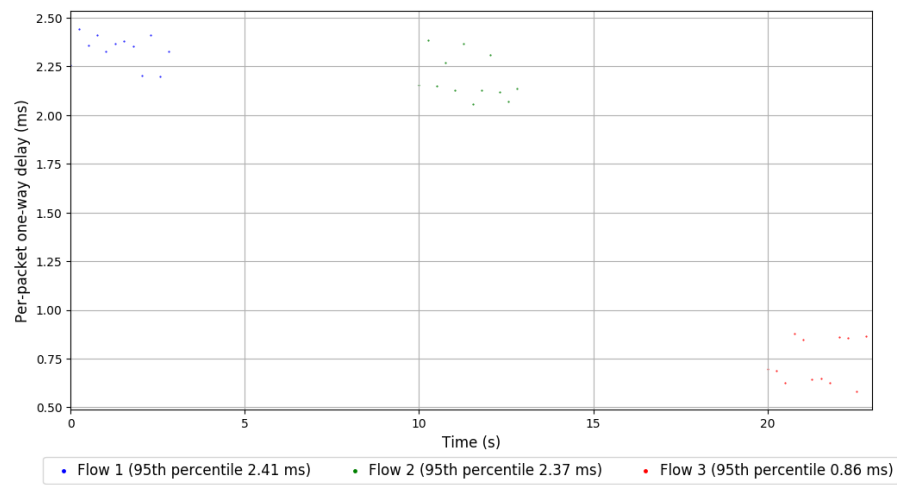
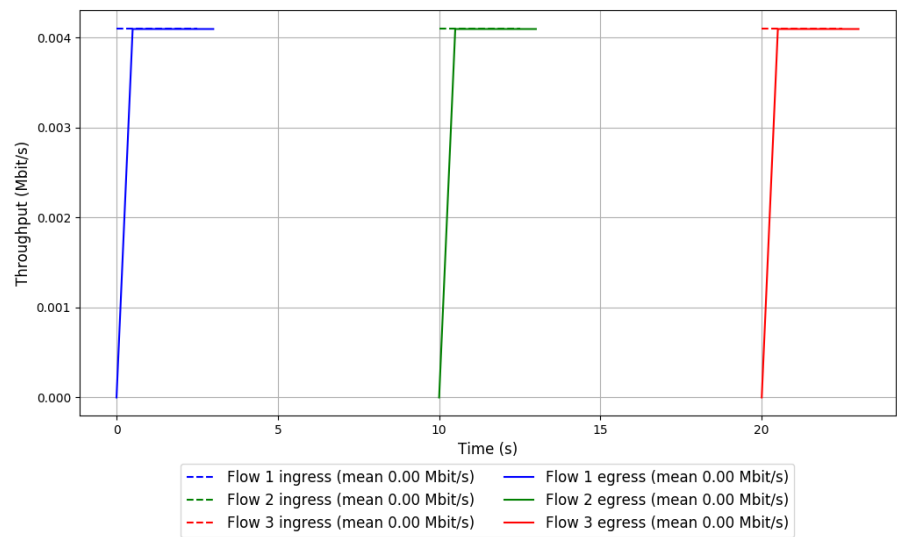
Start at: 2018-05-22 04:22:38

End at: 2018-05-22 04:23:08

Local clock offset: 1.606 ms

Remote clock offset: -5.018 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

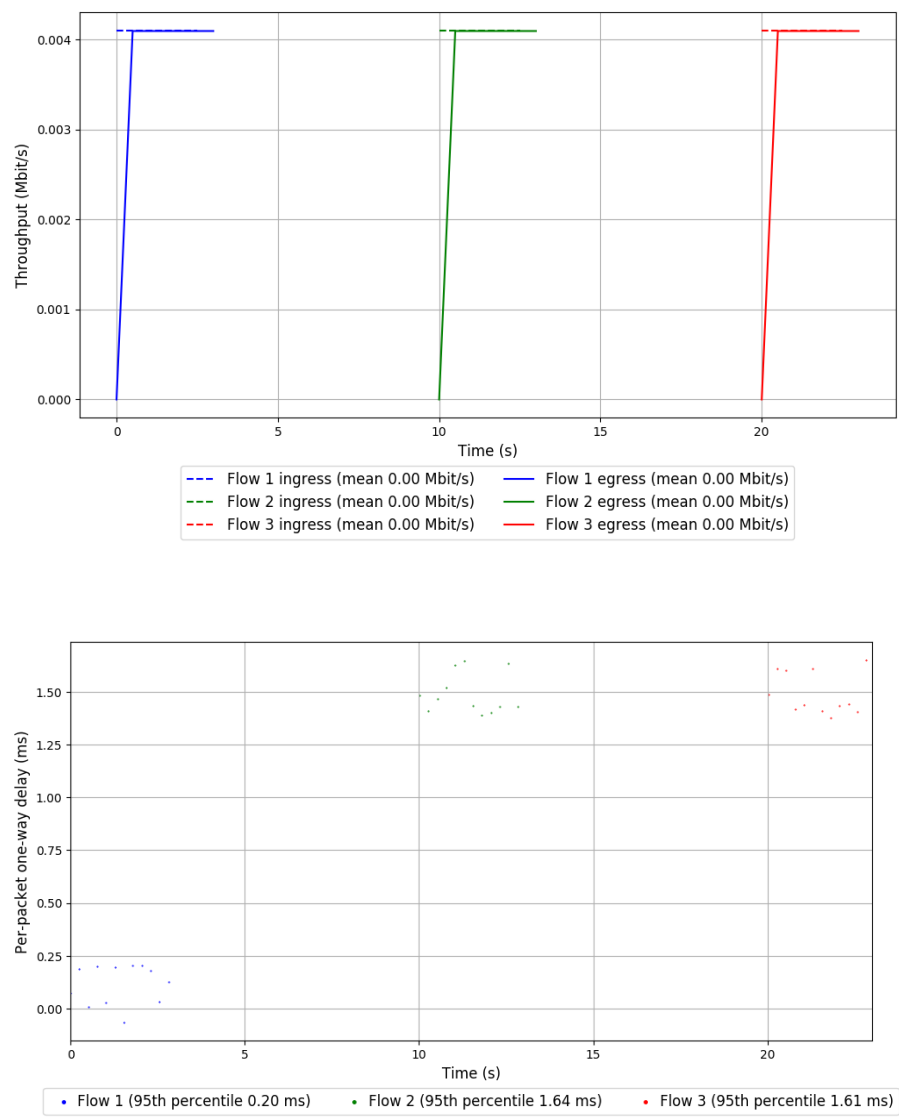
Start at: 2018-05-22 04:40:30

End at: 2018-05-22 04:41:00

Local clock offset: 4.04 ms

Remote clock offset: -1.822 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

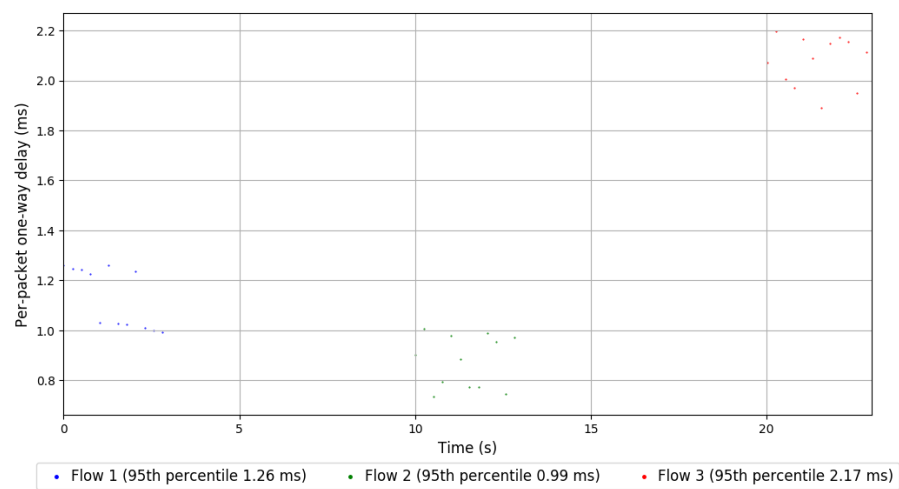
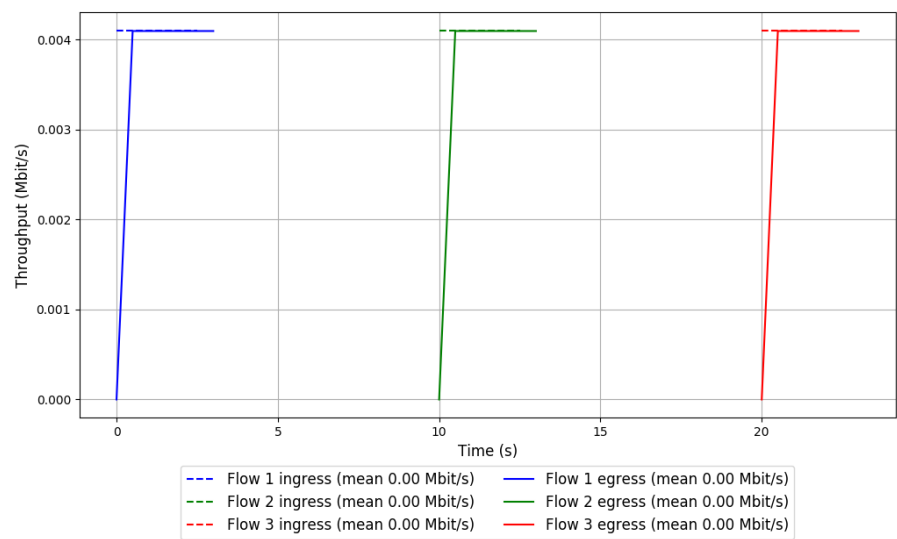
Start at: 2018-05-22 04:58:21

End at: 2018-05-22 04:58:51

Local clock offset: 1.466 ms

Remote clock offset: 4.773 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 05:16:13

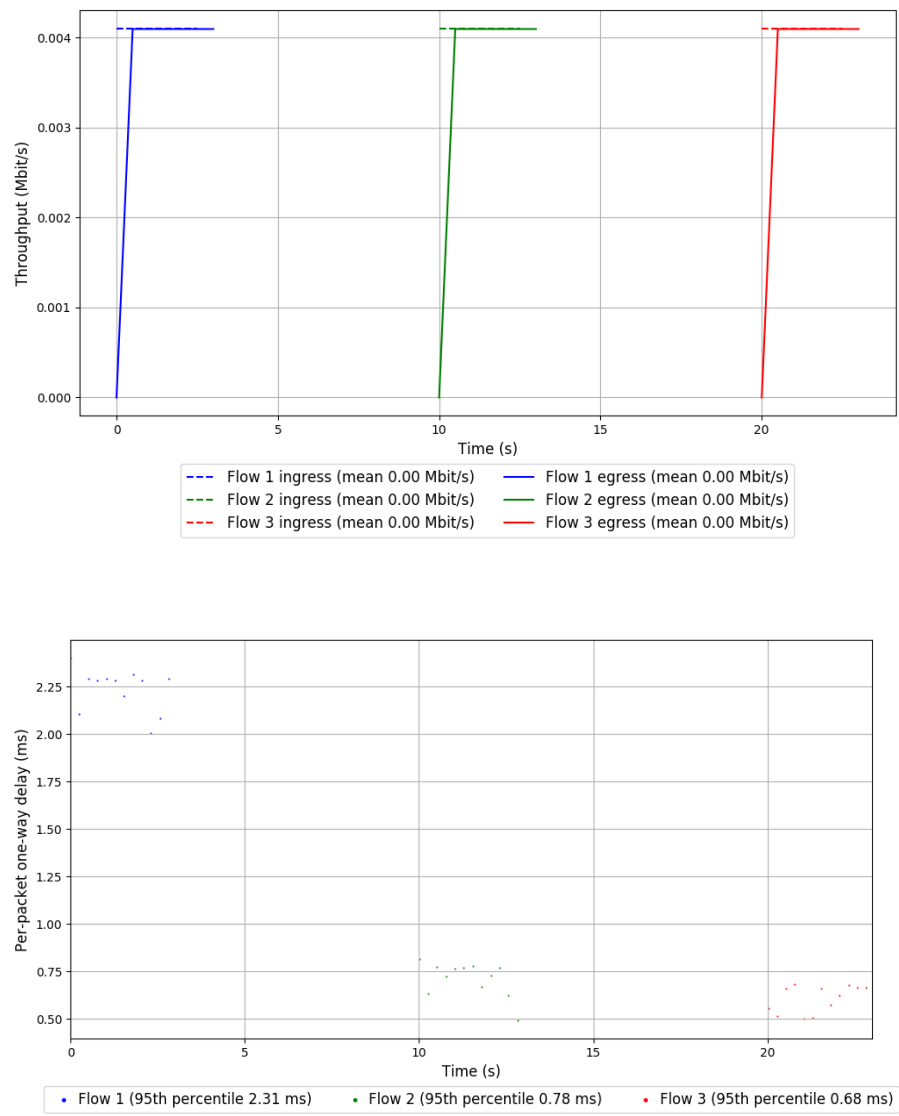
End at: 2018-05-22 05:16:43

Local clock offset: -7.555 ms

Remote clock offset: 9.933 ms



Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

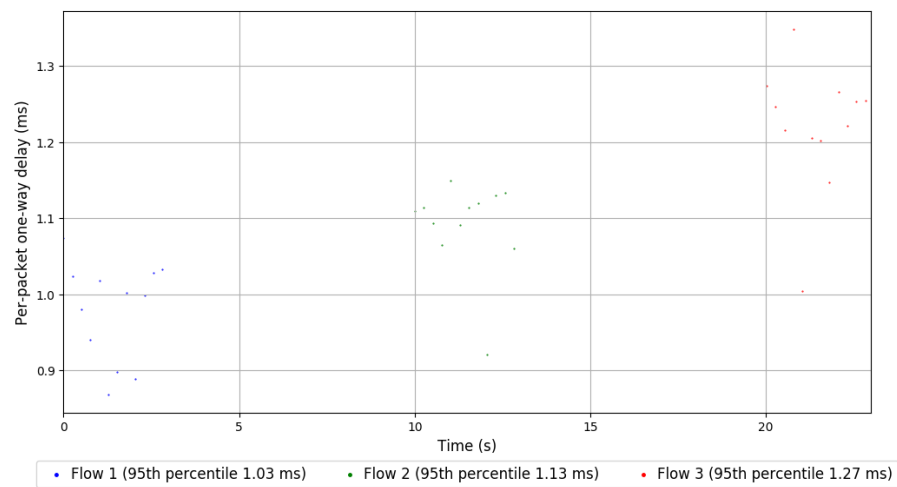
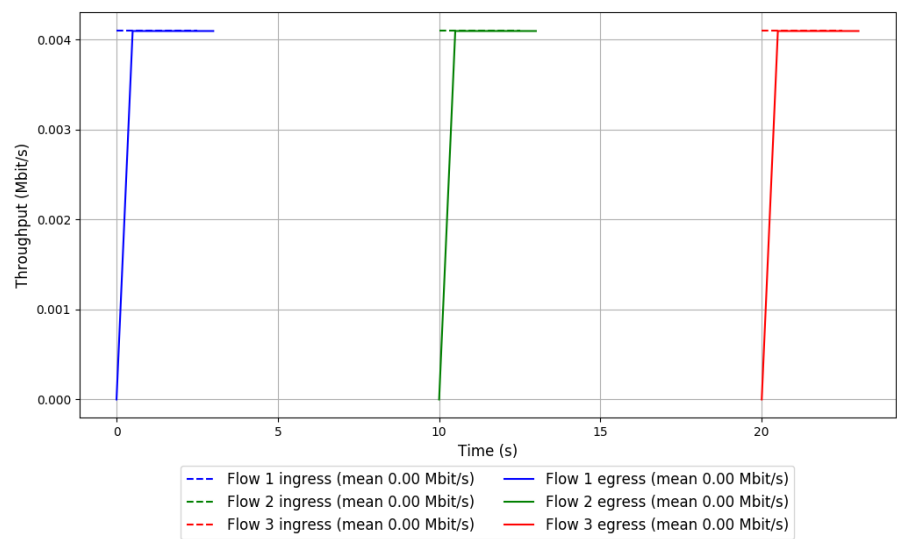
Start at: 2018-05-22 05:34:04

End at: 2018-05-22 05:34:34

Local clock offset: -7.927 ms

Remote clock offset: 0.672 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

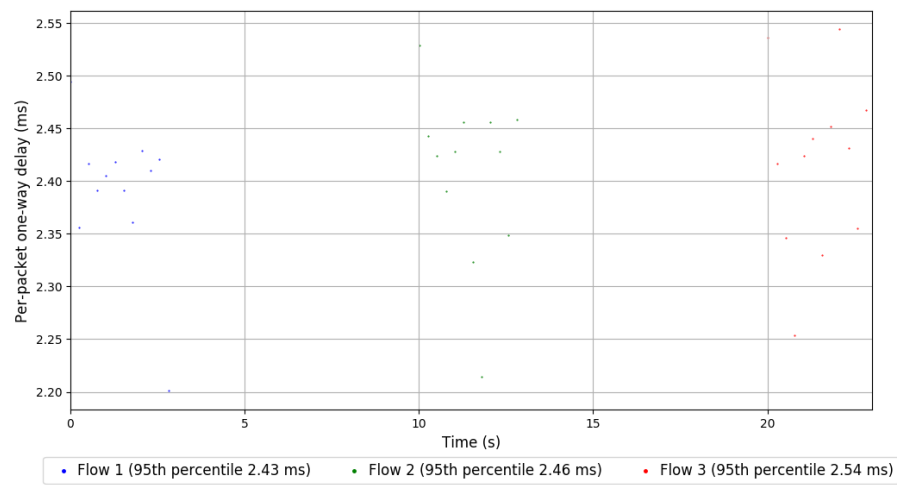
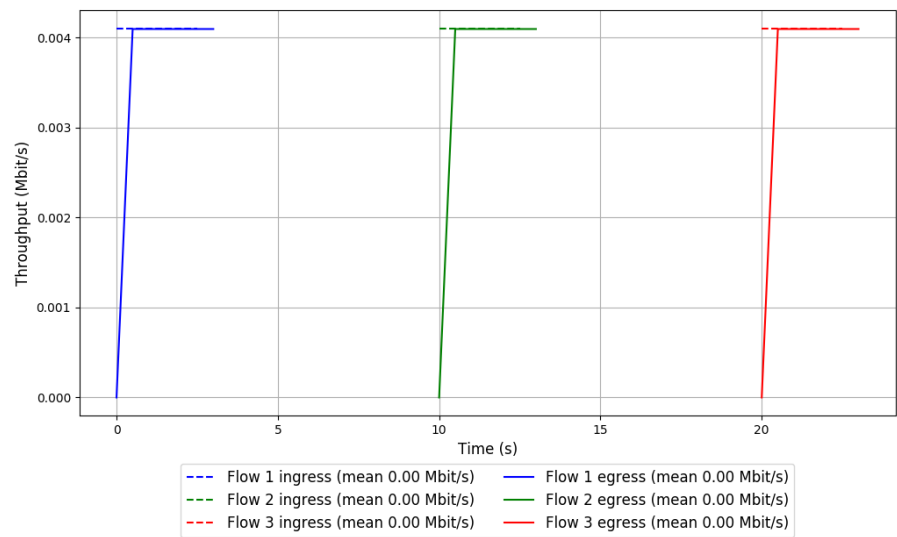
Start at: 2018-05-22 05:51:56

End at: 2018-05-22 05:52:26

Local clock offset: -7.806 ms

Remote clock offset: -3.922 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

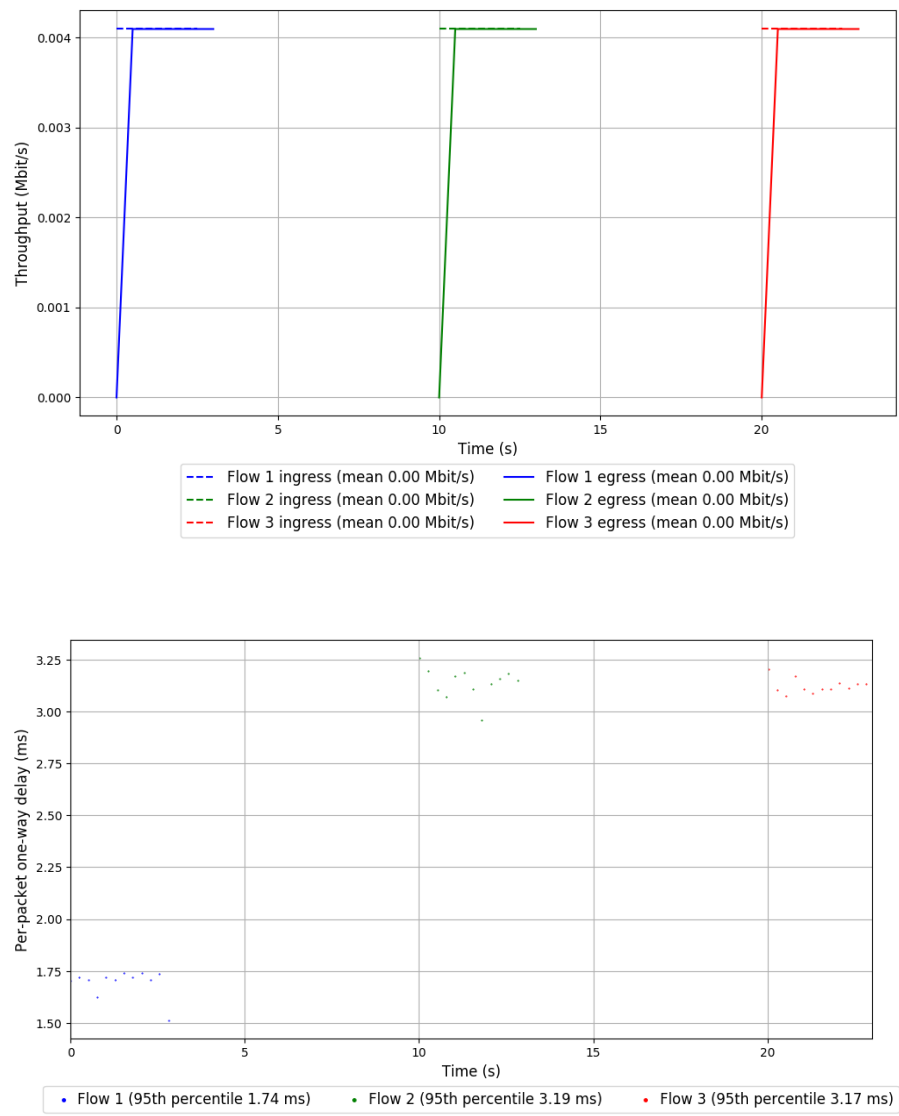
Start at: 2018-05-22 06:09:47

End at: 2018-05-22 06:10:17

Local clock offset: -7.514 ms

Remote clock offset: -3.605 ms

Run 10: Report of PCC-Expr — Data Link



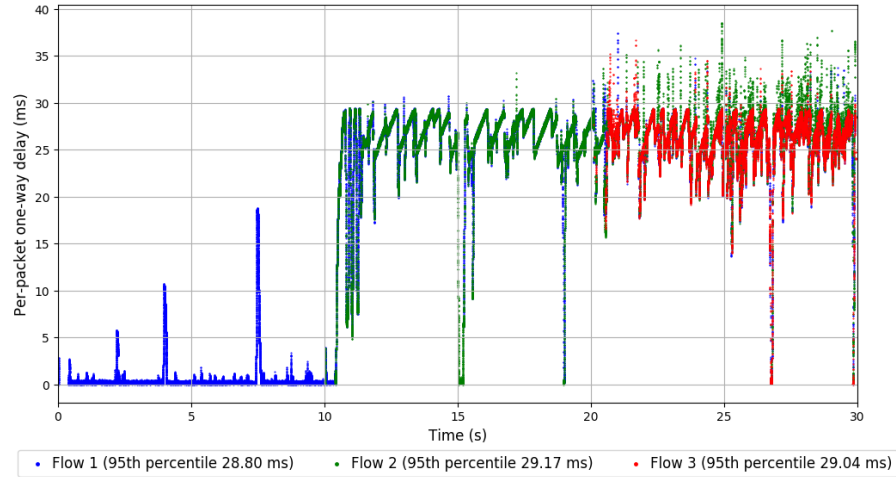
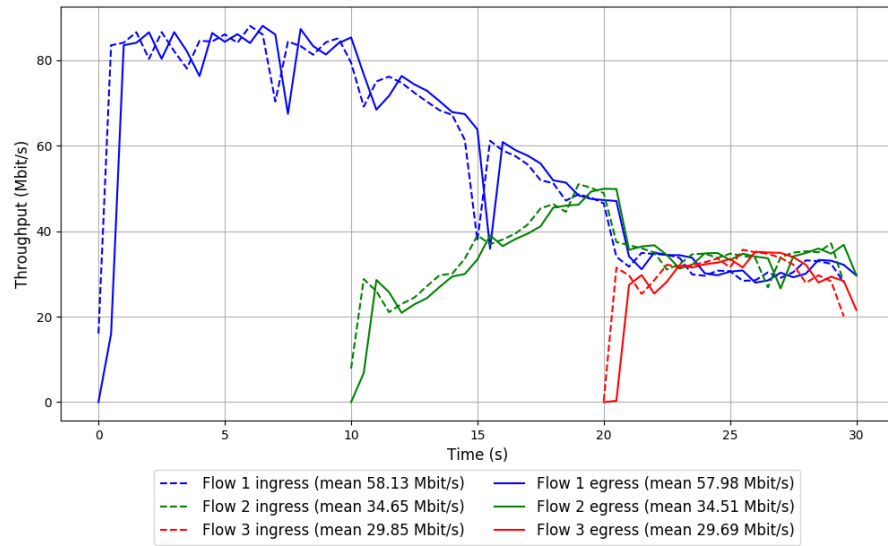
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 03:33:31  
End at: 2018-05-22 03:34:01  
Local clock offset: -4.807 ms  
Remote clock offset: -2.538 ms

# Below is generated by plot.py at 2018-05-22 06:36:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.69 Mbit/s  
95th percentile per-packet one-way delay: 28.956 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 57.98 Mbit/s  
95th percentile per-packet one-way delay: 28.798 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 34.51 Mbit/s  
95th percentile per-packet one-way delay: 29.167 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 29.69 Mbit/s  
95th percentile per-packet one-way delay: 29.042 ms  
Loss rate: 0.56%



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

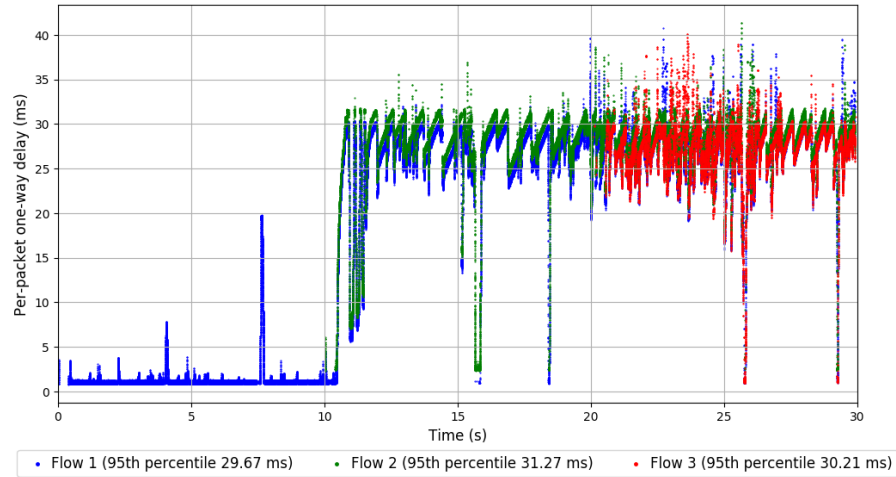
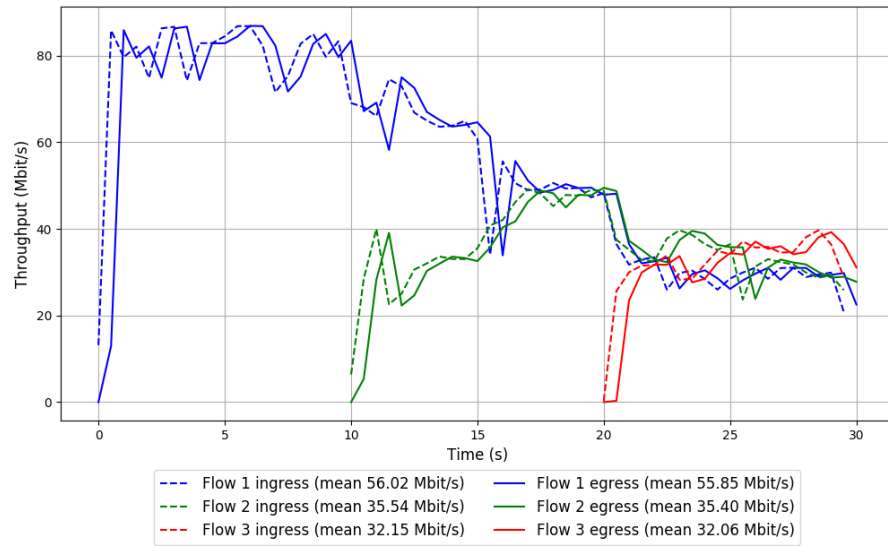


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 03:51:22  
End at: 2018-05-22 03:51:53  
Local clock offset: -5.73 ms  
Remote clock offset: -5.886 ms

# Below is generated by plot.py at 2018-05-22 06:36:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.92 Mbit/s  
95th percentile per-packet one-way delay: 30.641 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 55.85 Mbit/s  
95th percentile per-packet one-way delay: 29.671 ms  
Loss rate: 0.21%  
-- Flow 2:  
Average throughput: 35.40 Mbit/s  
95th percentile per-packet one-way delay: 31.269 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 32.06 Mbit/s  
95th percentile per-packet one-way delay: 30.210 ms  
Loss rate: 0.26%

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

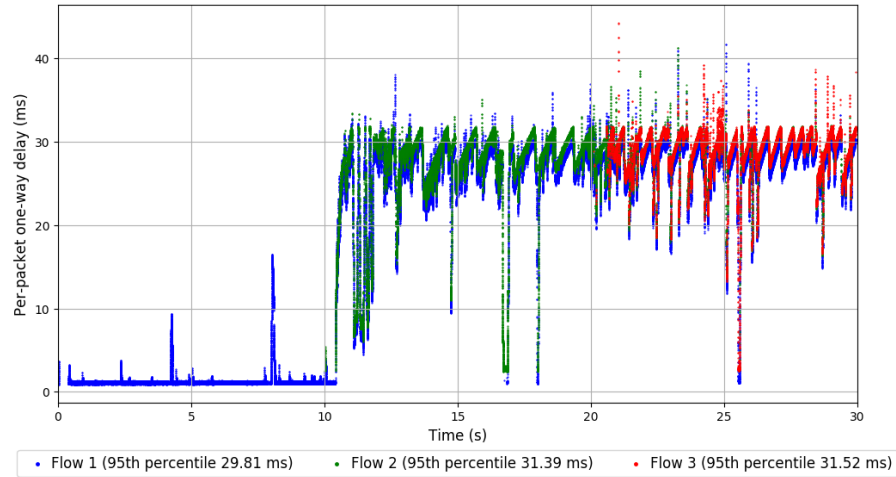
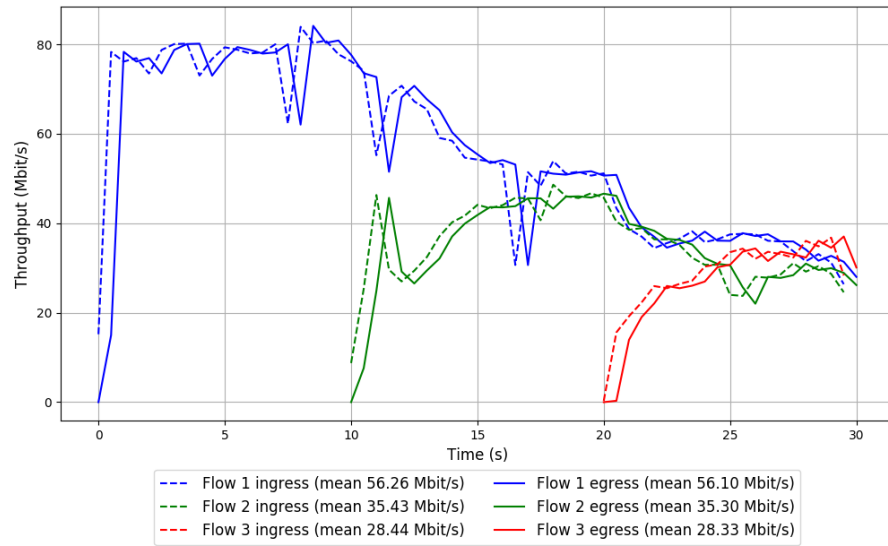


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 04:09:14  
End at: 2018-05-22 04:09:44  
Local clock offset: -0.446 ms  
Remote clock offset: -8.041 ms

# Below is generated by plot.py at 2018-05-22 06:36:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 31.080 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.10 Mbit/s  
95th percentile per-packet one-way delay: 29.814 ms  
Loss rate: 0.19%  
-- Flow 2:  
Average throughput: 35.30 Mbit/s  
95th percentile per-packet one-way delay: 31.393 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 28.33 Mbit/s  
95th percentile per-packet one-way delay: 31.524 ms  
Loss rate: 0.27%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 04:27:05

End at: 2018-05-22 04:27:35

Local clock offset: 2.833 ms

Remote clock offset: -3.82 ms

# Below is generated by plot.py at 2018-05-22 06:36:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 30.173 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 54.95 Mbit/s

95th percentile per-packet one-way delay: 30.025 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 34.71 Mbit/s

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

Loss rate: 0.20%

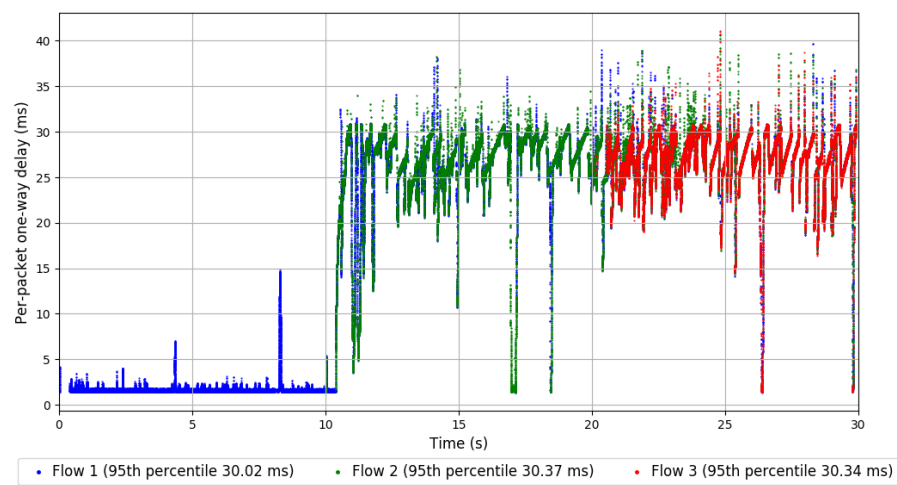
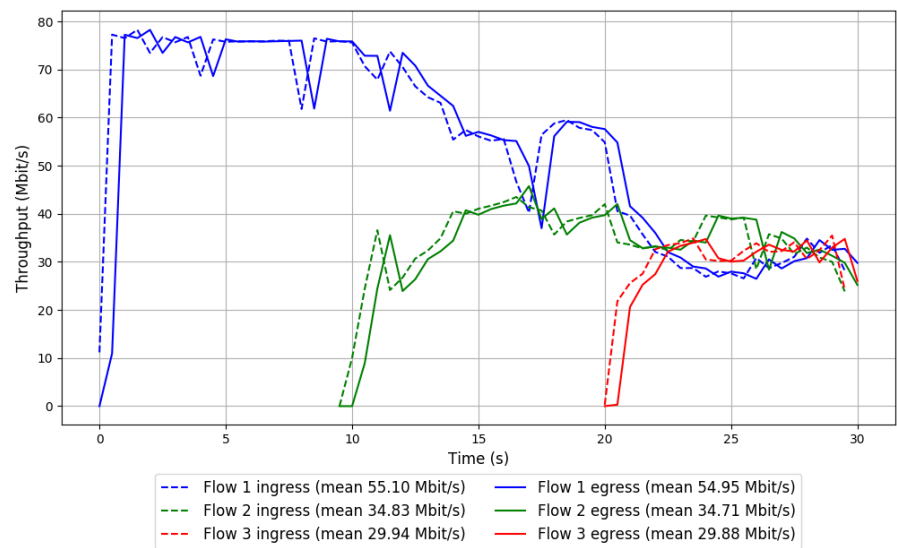
-- Flow 3:

Average throughput: 29.88 Mbit/s

95th percentile per-packet one-way delay: 30.339 ms

Loss rate: 0.18%

Run 4: Report of QUIC Cubic — Data Link



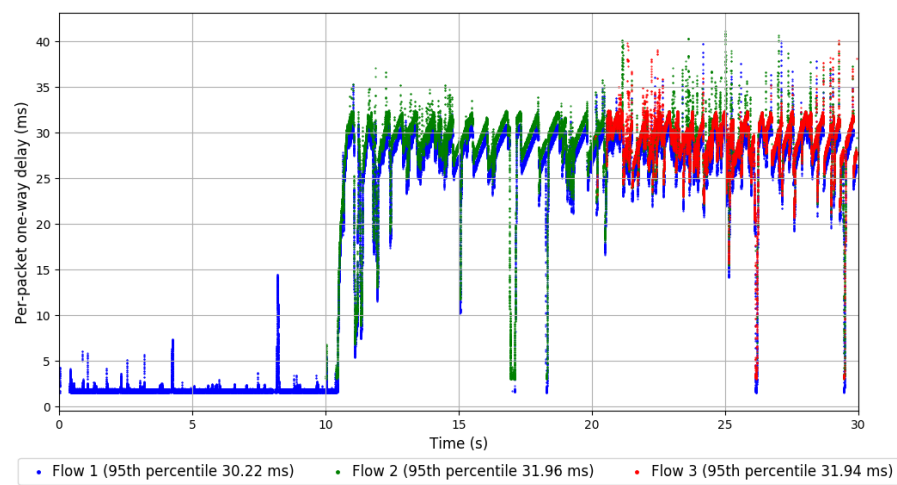
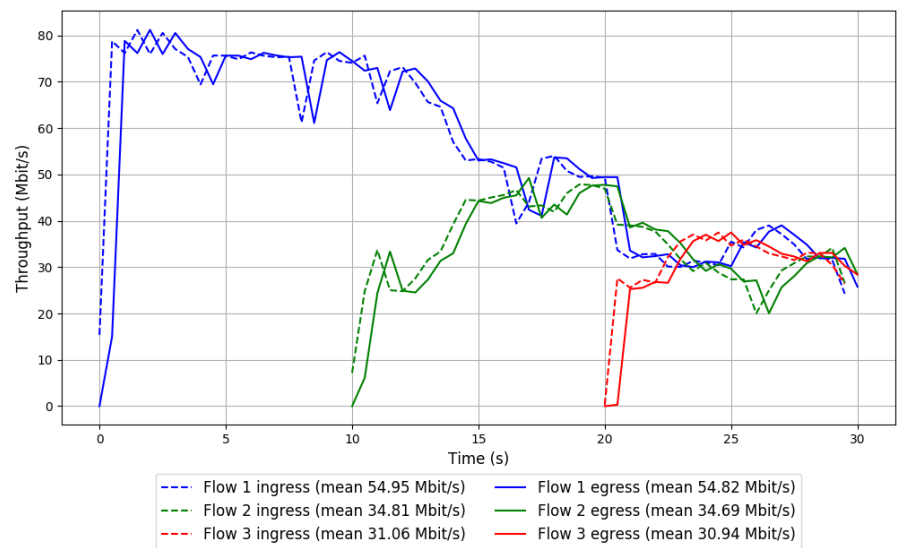
Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 04:44:56  
End at: 2018-05-22 04:45:26  
Local clock offset: 2.834 ms  
Remote clock offset: -1.493 ms

# Below is generated by plot.py at 2018-05-22 06:37:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.04 Mbit/s  
95th percentile per-packet one-way delay: 31.513 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 54.82 Mbit/s  
95th percentile per-packet one-way delay: 30.219 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 34.69 Mbit/s  
95th percentile per-packet one-way delay: 31.960 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 30.94 Mbit/s  
95th percentile per-packet one-way delay: 31.936 ms  
Loss rate: 0.30%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 05:02:48

End at: 2018-05-22 05:03:18

Local clock offset: -1.774 ms

Remote clock offset: 6.496 ms

# Below is generated by plot.py at 2018-05-22 06:37:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 29.232 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 28.898 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 29.098 ms

Loss rate: 0.24%

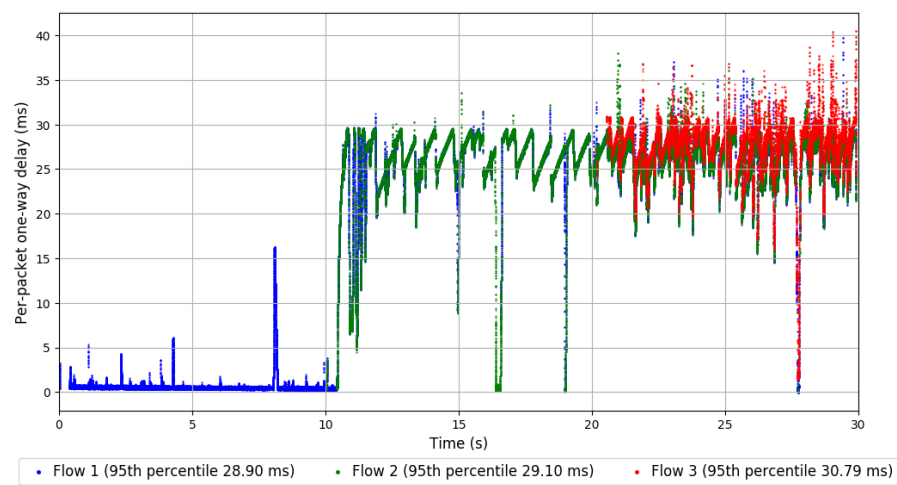
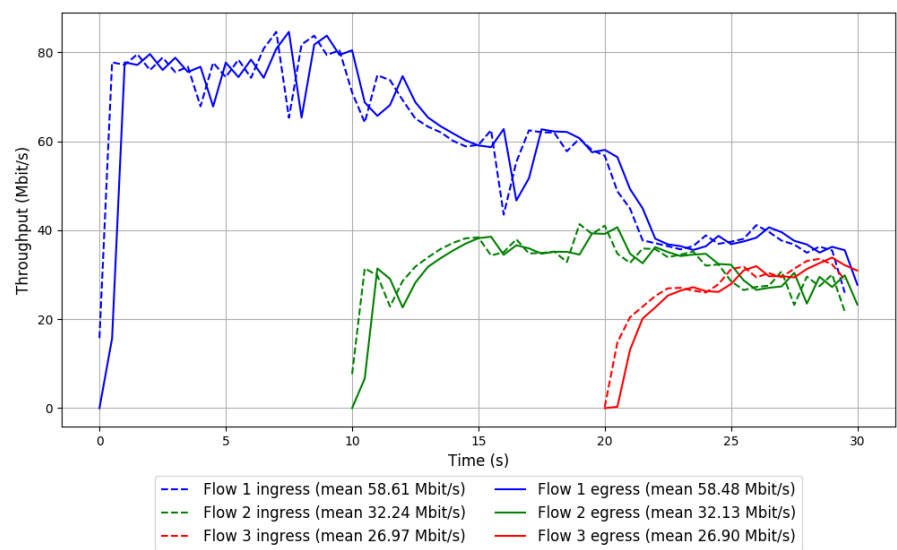
-- Flow 3:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 30.794 ms

Loss rate: 0.28%

Run 6: Report of QUIC Cubic — Data Link

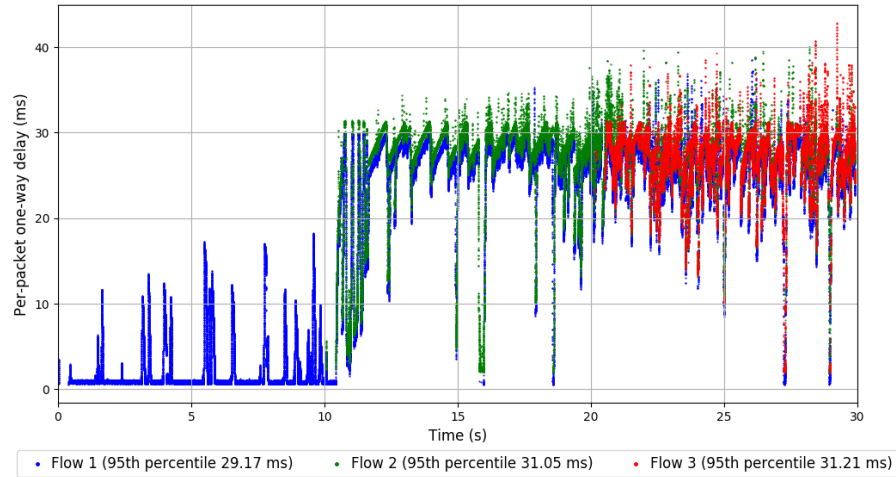
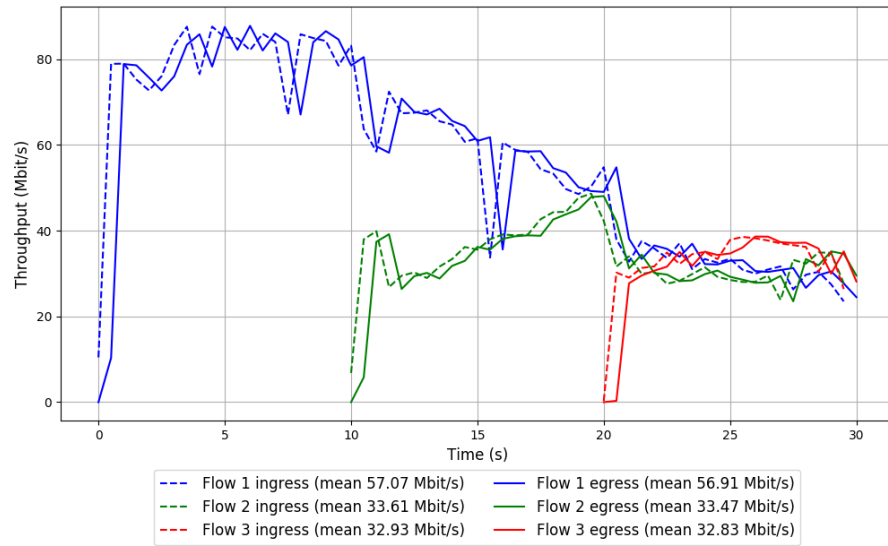


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 05:20:40  
End at: 2018-05-22 05:21:10  
Local clock offset: -8.518 ms  
Remote clock offset: 10.725 ms

# Below is generated by plot.py at 2018-05-22 06:37:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.94 Mbit/s  
95th percentile per-packet one-way delay: 30.426 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 56.91 Mbit/s  
95th percentile per-packet one-way delay: 29.166 ms  
Loss rate: 0.20%  
-- Flow 2:  
Average throughput: 33.47 Mbit/s  
95th percentile per-packet one-way delay: 31.050 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 32.83 Mbit/s  
95th percentile per-packet one-way delay: 31.214 ms  
Loss rate: 0.27%

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

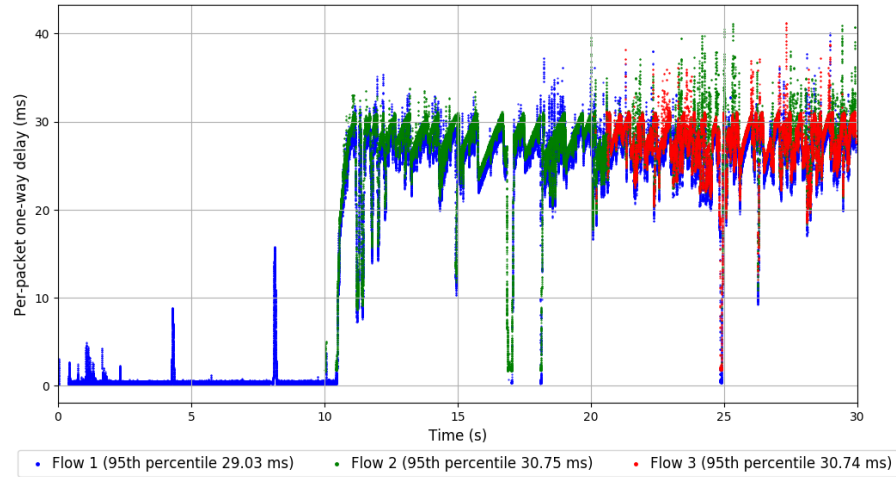
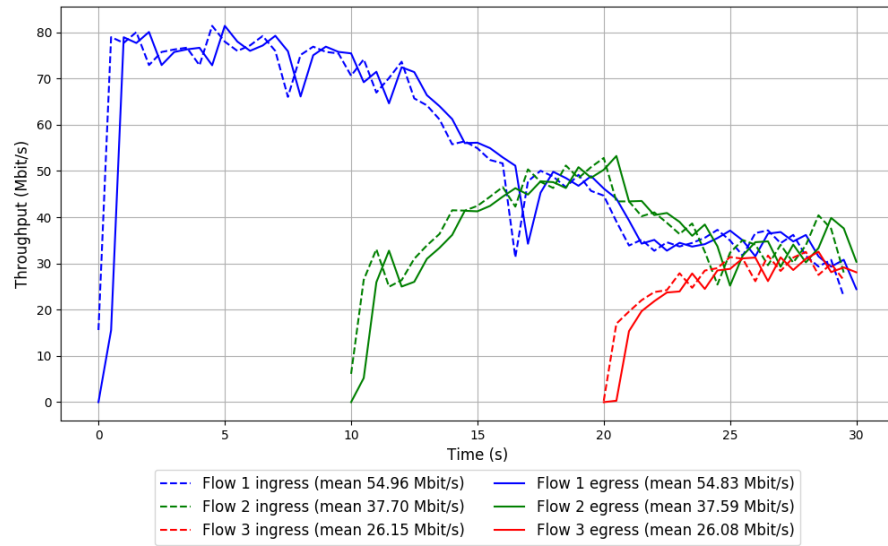


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 05:38:31  
End at: 2018-05-22 05:39:01  
Local clock offset: -6.84 ms  
Remote clock offset: -1.165 ms

# Below is generated by plot.py at 2018-05-22 06:37:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.39 Mbit/s  
95th percentile per-packet one-way delay: 30.320 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 54.83 Mbit/s  
95th percentile per-packet one-way delay: 29.033 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 37.59 Mbit/s  
95th percentile per-packet one-way delay: 30.755 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 26.08 Mbit/s  
95th percentile per-packet one-way delay: 30.739 ms  
Loss rate: 0.29%

## Run 8: Report of QUIC Cubic — Data Link



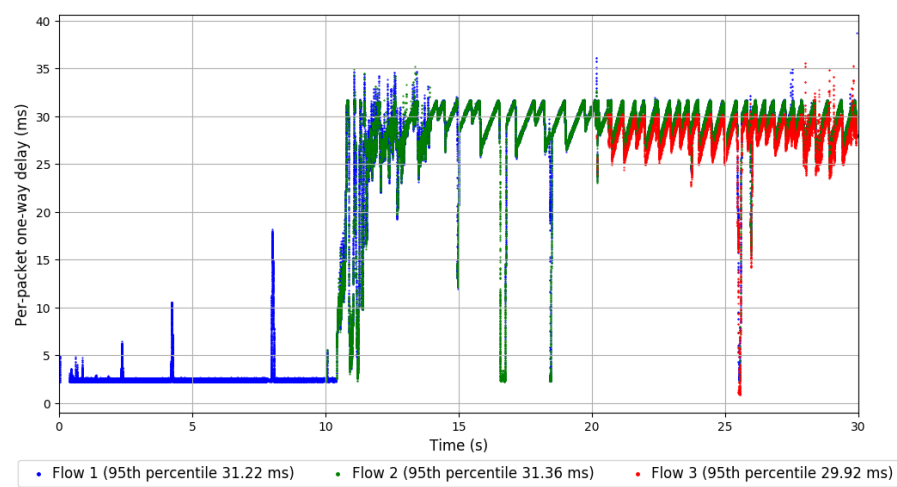
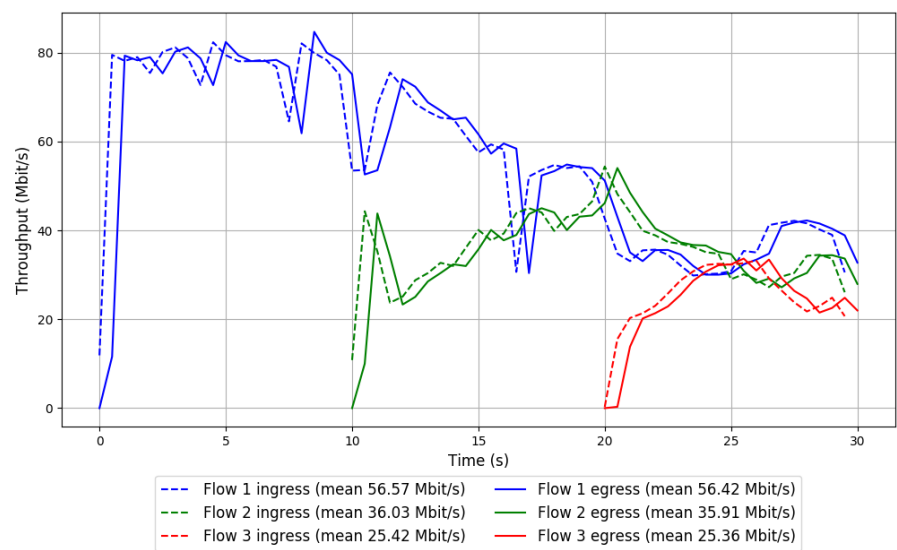
Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 05:56:22  
End at: 2018-05-22 05:56:52  
Local clock offset: -8.041 ms  
Remote clock offset: -4.465 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.61 Mbit/s  
95th percentile per-packet one-way delay: 31.254 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 56.42 Mbit/s  
95th percentile per-packet one-way delay: 31.222 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 35.91 Mbit/s  
95th percentile per-packet one-way delay: 31.357 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 25.36 Mbit/s  
95th percentile per-packet one-way delay: 29.918 ms  
Loss rate: 0.25%



Run 9: Report of QUIC Cubic — Data Link

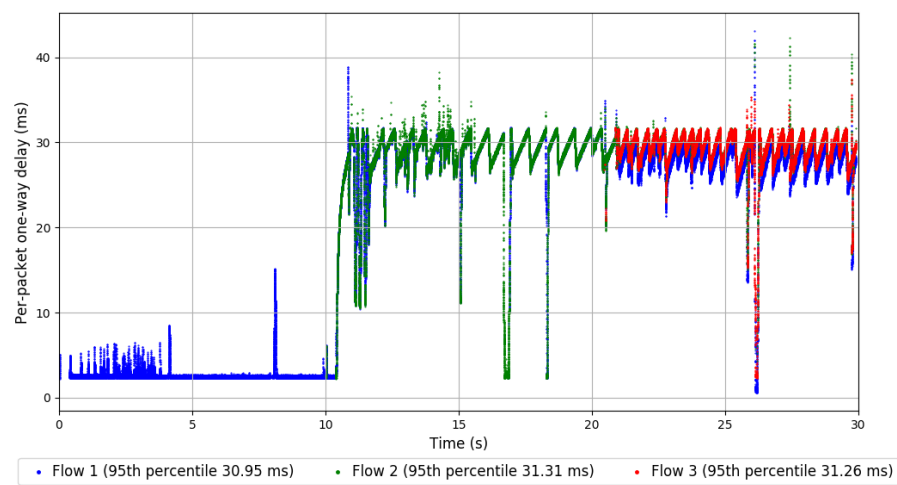
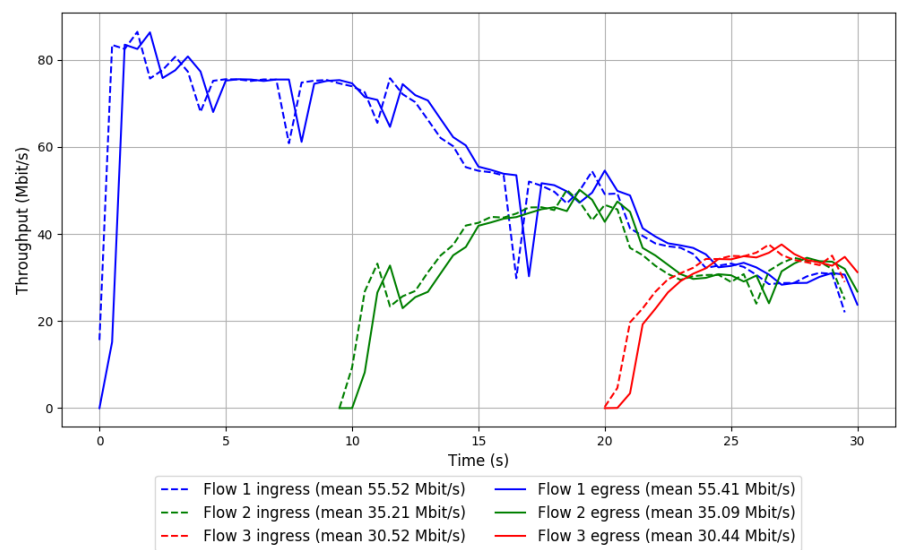


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 06:18:28  
End at: 2018-05-22 06:18:58  
Local clock offset: -6.726 ms  
Remote clock offset: -3.488 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.42 Mbit/s  
95th percentile per-packet one-way delay: 31.182 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 55.41 Mbit/s  
95th percentile per-packet one-way delay: 30.946 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 35.09 Mbit/s  
95th percentile per-packet one-way delay: 31.307 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 30.44 Mbit/s  
95th percentile per-packet one-way delay: 31.257 ms  
Loss rate: 0.22%

Run 10: Report of QUIC Cubic — Data Link

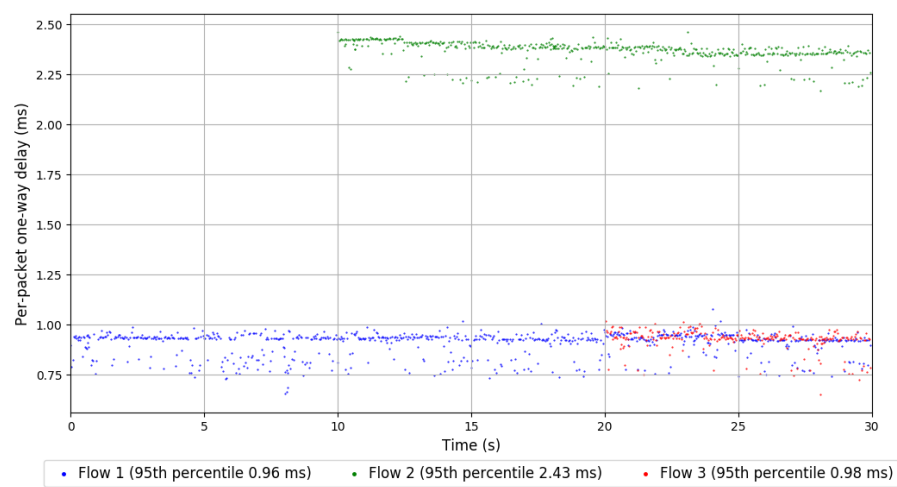
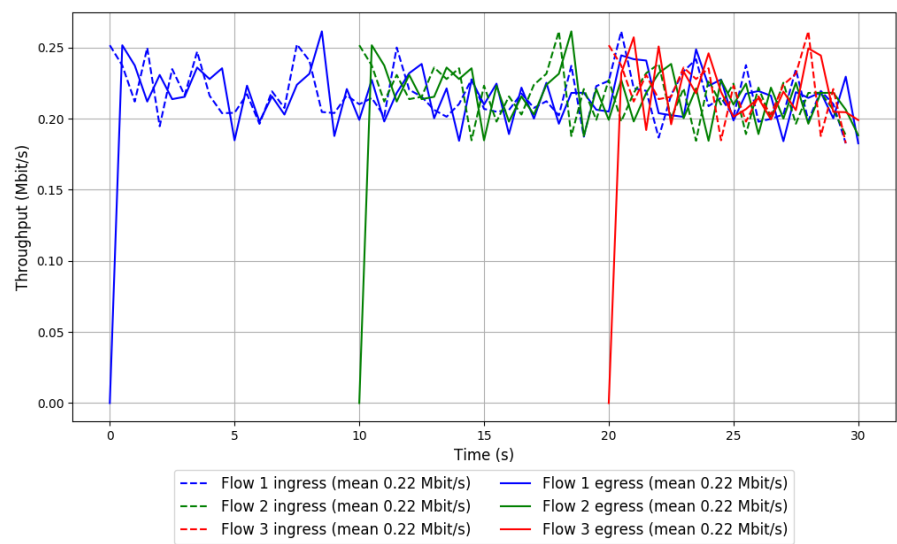


Run 1: Statistics of SReAM

Start at: 2018-05-22 03:26:53  
End at: 2018-05-22 03:27:23  
Local clock offset: -5.41 ms  
Remote clock offset: -2.542 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.411 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.964 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.428 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.985 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

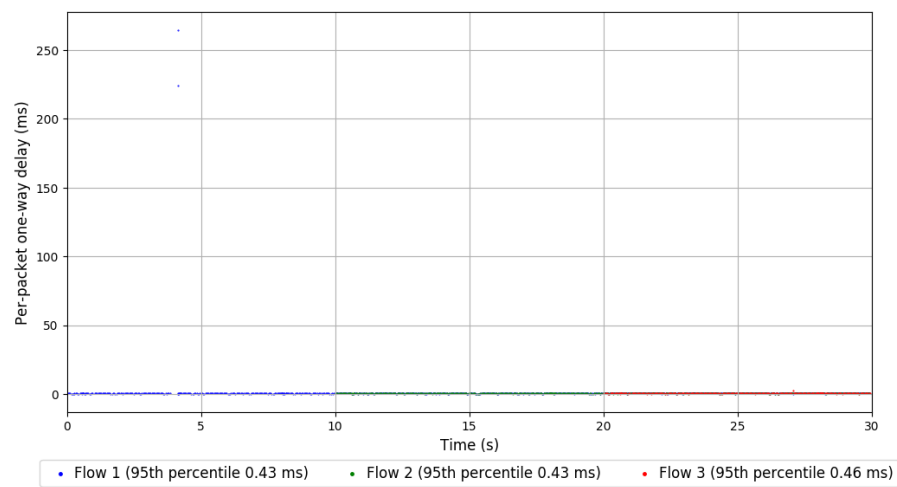
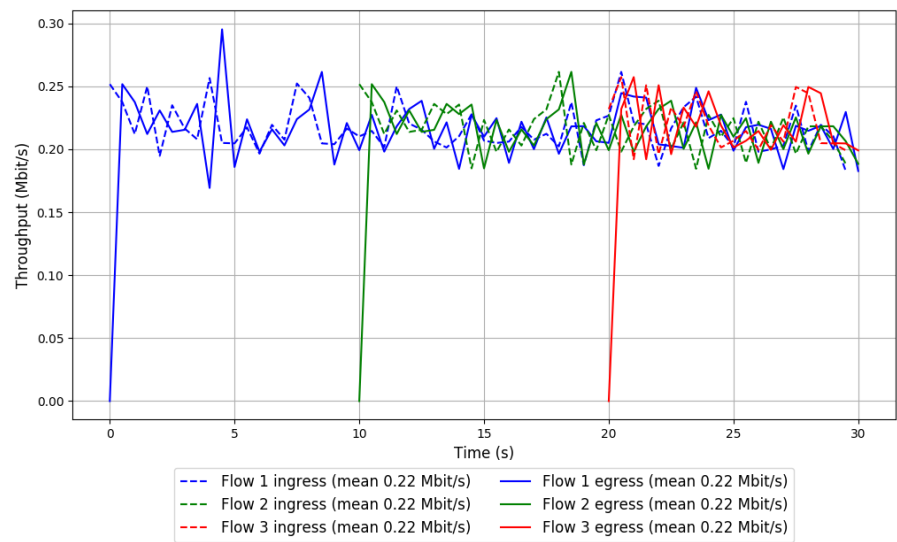


Run 2: Statistics of SReAM

Start at: 2018-05-22 03:44:45  
End at: 2018-05-22 03:45:15  
Local clock offset: -4.95 ms  
Remote clock offset: -4.036 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 0.438 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.426 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.427 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.462 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



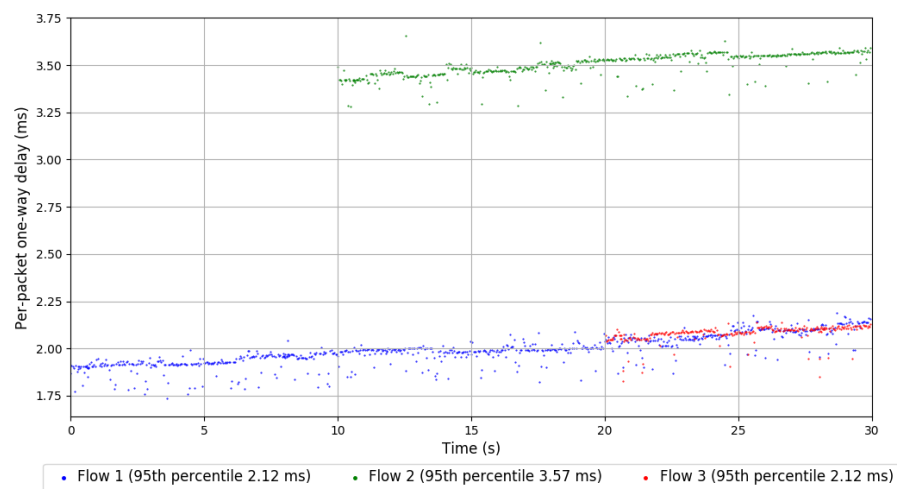
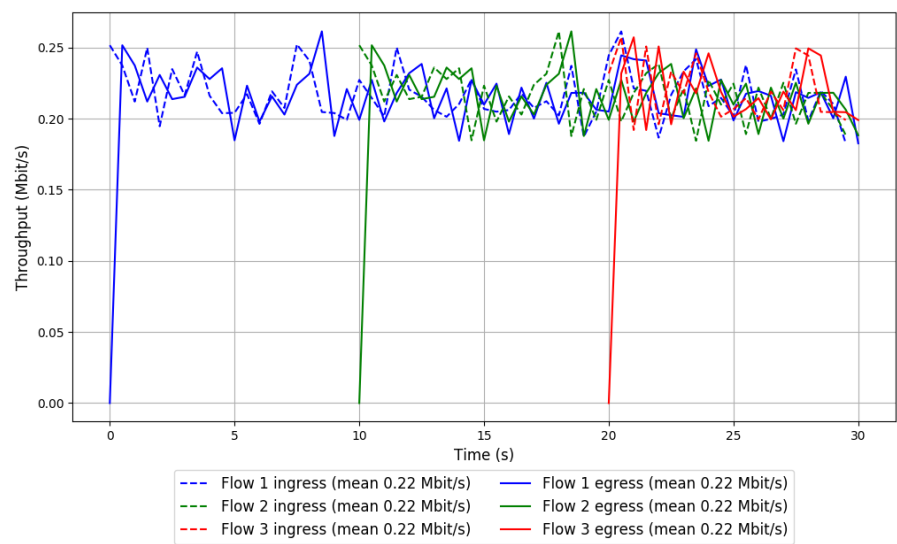
Run 3: Statistics of SReAM

Start at: 2018-05-22 04:02:36  
End at: 2018-05-22 04:03:06  
Local clock offset: -3.273 ms  
Remote clock offset: -7.531 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 3.563 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.124 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.570 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.119 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

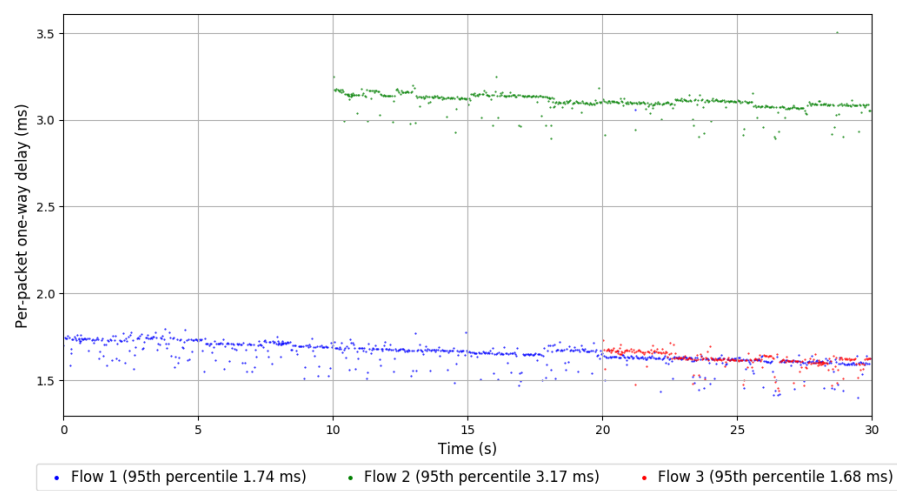
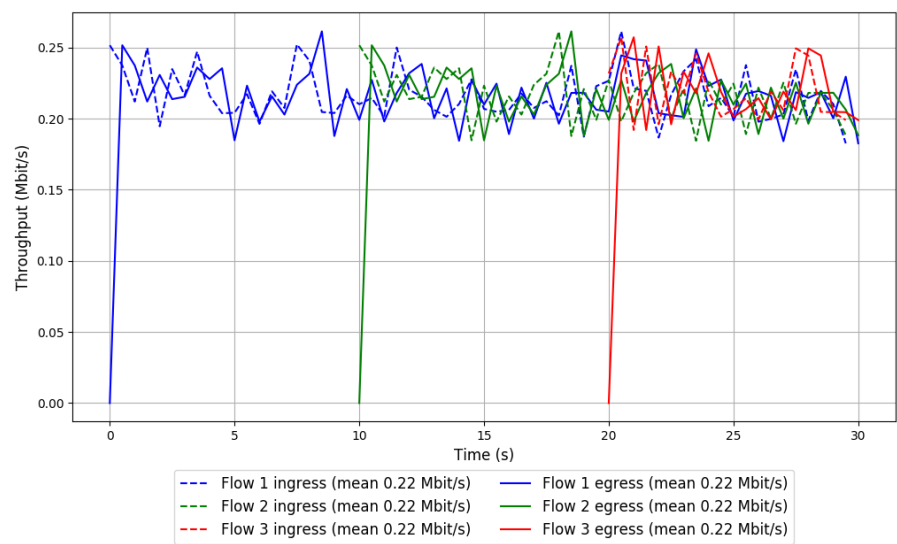


Run 4: Statistics of SReAM

Start at: 2018-05-22 04:20:27  
End at: 2018-05-22 04:20:57  
Local clock offset: 0.527 ms  
Remote clock offset: -5.849 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 3.142 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.743 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.166 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.676 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

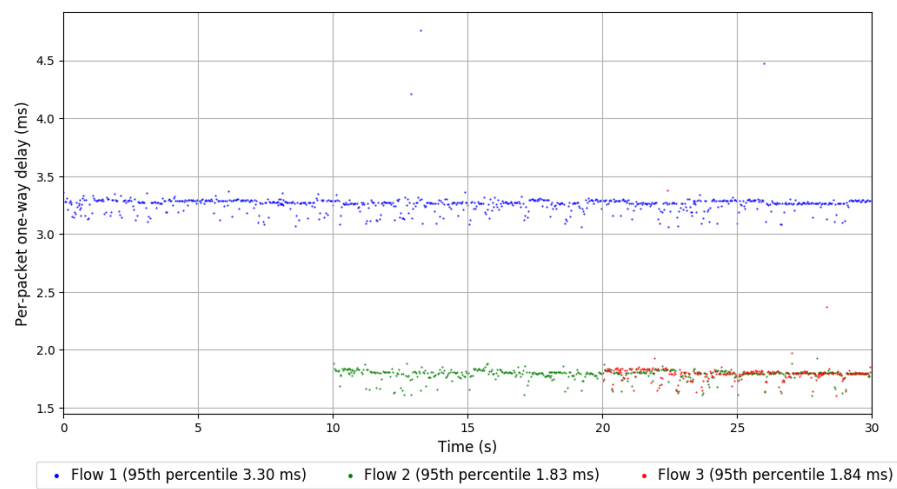
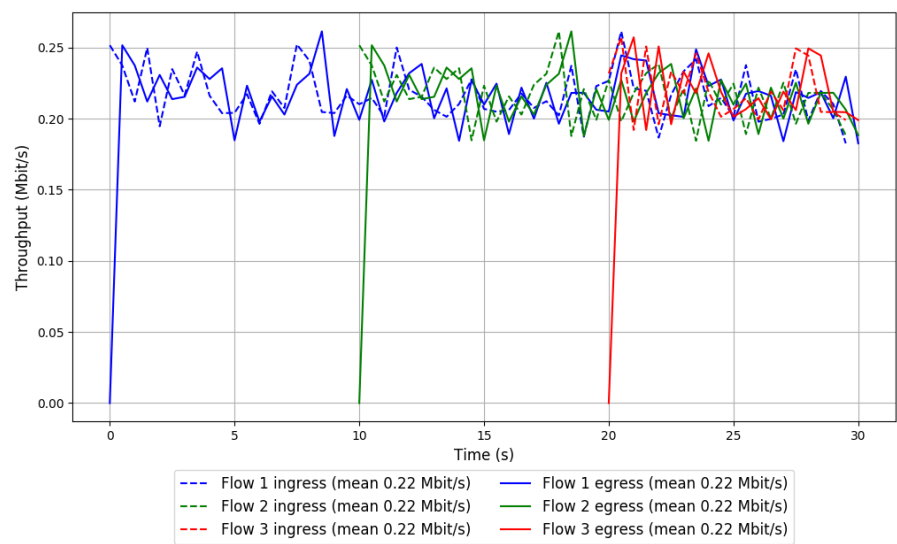


Run 5: Statistics of SReAM

Start at: 2018-05-22 04:38:19  
End at: 2018-05-22 04:38:49  
Local clock offset: 2.25 ms  
Remote clock offset: -2.034 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 3.297 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.303 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.835 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.837 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-22 04:56:10

End at: 2018-05-22 04:56:40

Local clock offset: 4.553 ms

Remote clock offset: 3.721 ms

# Below is generated by plot.py at 2018-05-22 06:38:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.949 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.865 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.032 ms

Loss rate: 0.00%

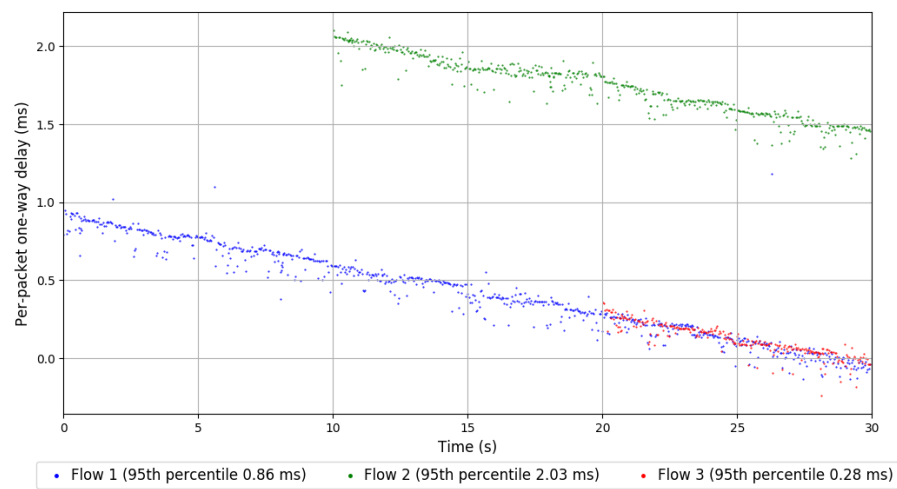
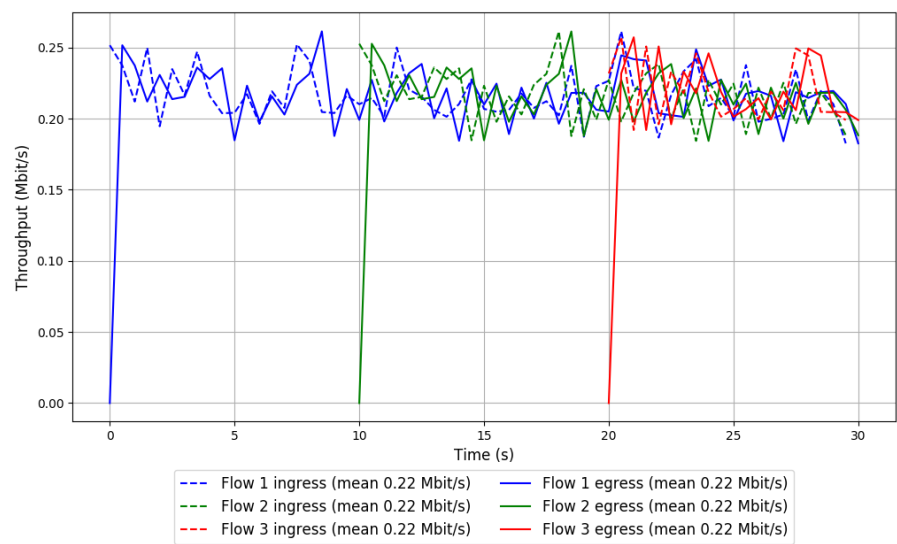
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.276 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



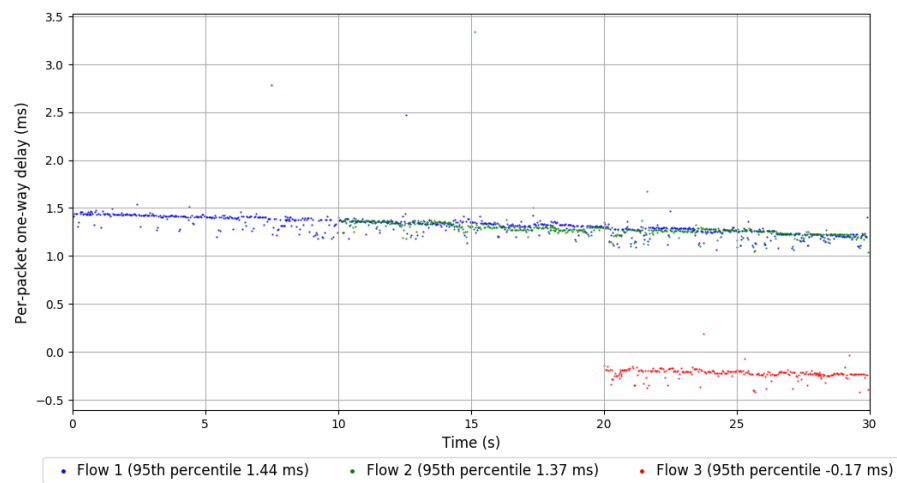
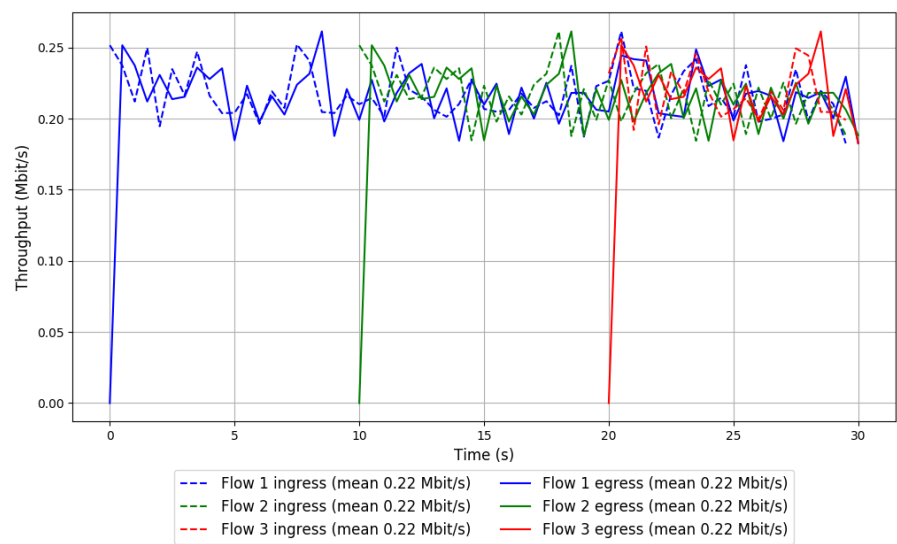
Run 7: Statistics of SReAM

Start at: 2018-05-22 05:14:02  
End at: 2018-05-22 05:14:32  
Local clock offset: -6.164 ms  
Remote clock offset: 9.449 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 1.426 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.436 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.366 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -0.170 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

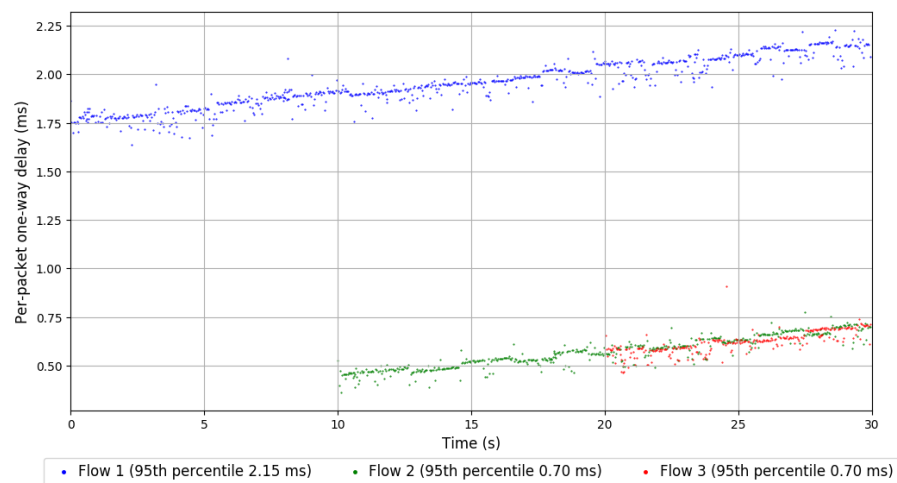
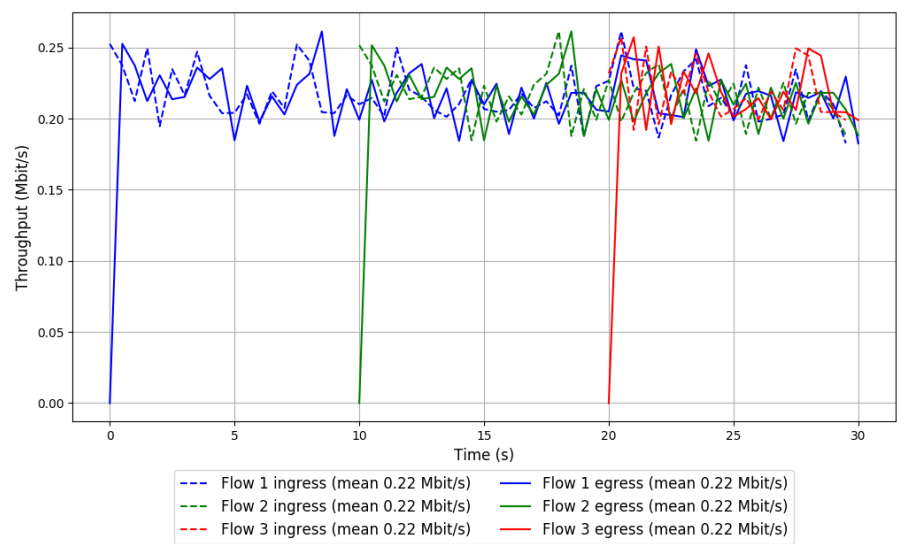


Run 8: Statistics of SReAM

Start at: 2018-05-22 05:31:53  
End at: 2018-05-22 05:32:23  
Local clock offset: -7.429 ms  
Remote clock offset: 2.104 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.125 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.148 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.697 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.700 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

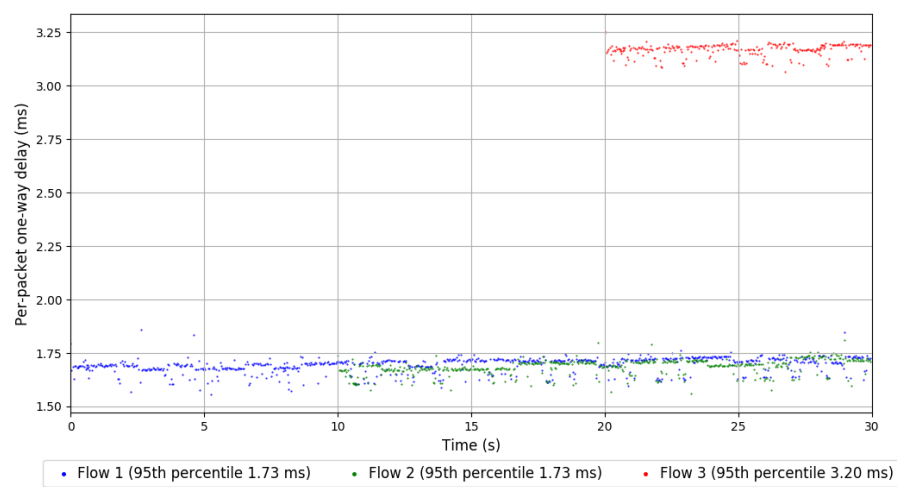
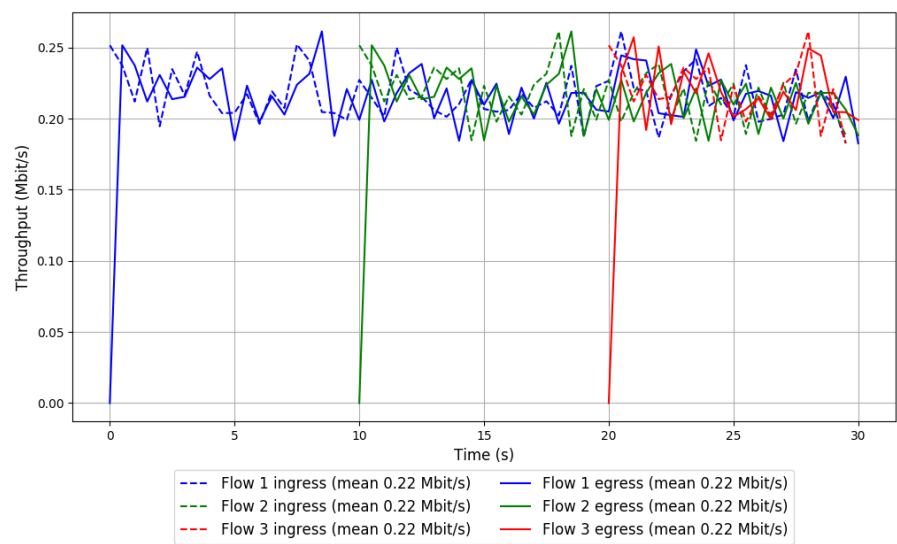


Run 9: Statistics of SReAM

Start at: 2018-05-22 05:49:44  
End at: 2018-05-22 05:50:14  
Local clock offset: -8.542 ms  
Remote clock offset: -3.767 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 3.186 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.733 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.731 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.196 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

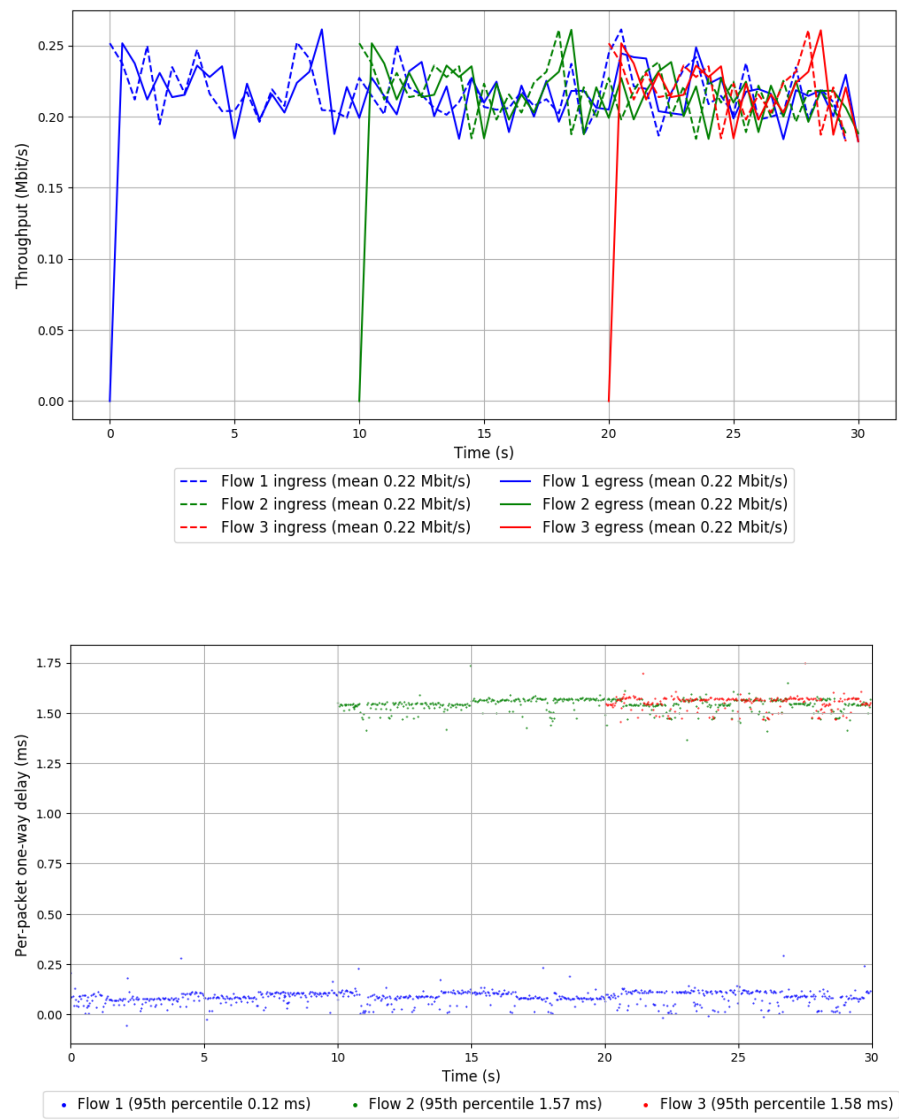


Run 10: Statistics of SReAM

Start at: 2018-05-22 06:07:35  
End at: 2018-05-22 06:08:05  
Local clock offset: -6.043 ms  
Remote clock offset: -3.754 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 1.573 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.121 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.574 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.582 ms  
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



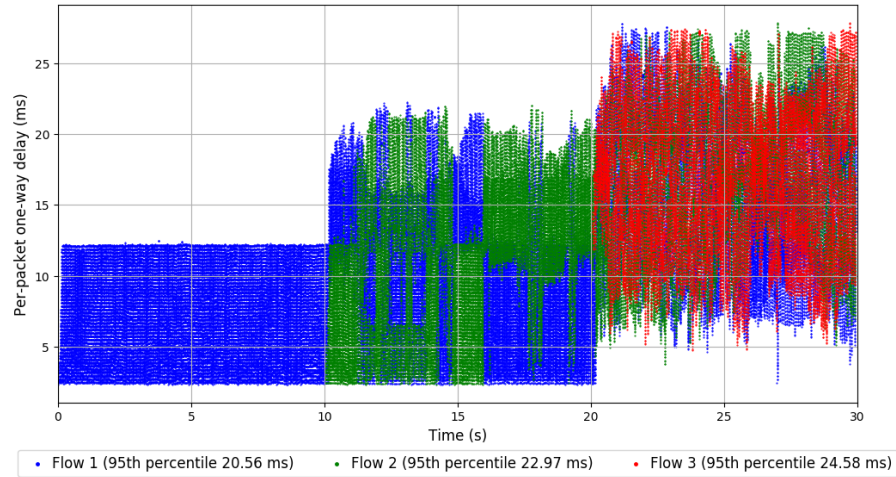
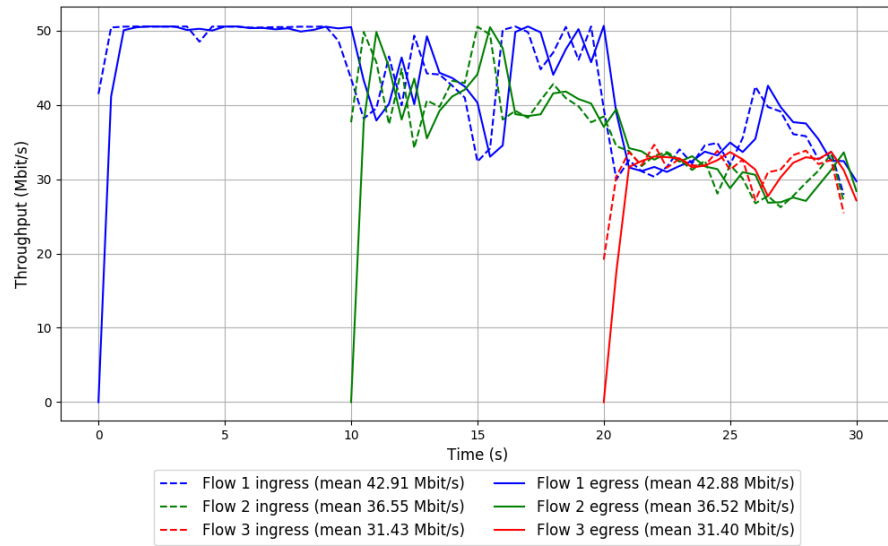
Run 1: Statistics of Sprout

Start at: 2018-05-22 03:24:44  
End at: 2018-05-22 03:25:14  
Local clock offset: -5.414 ms  
Remote clock offset: -2.456 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.54 Mbit/s  
95th percentile per-packet one-way delay: 22.496 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 42.88 Mbit/s  
95th percentile per-packet one-way delay: 20.561 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.52 Mbit/s  
95th percentile per-packet one-way delay: 22.967 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.40 Mbit/s  
95th percentile per-packet one-way delay: 24.583 ms  
Loss rate: 0.00%



## Run 1: Report of Sprout — Data Link

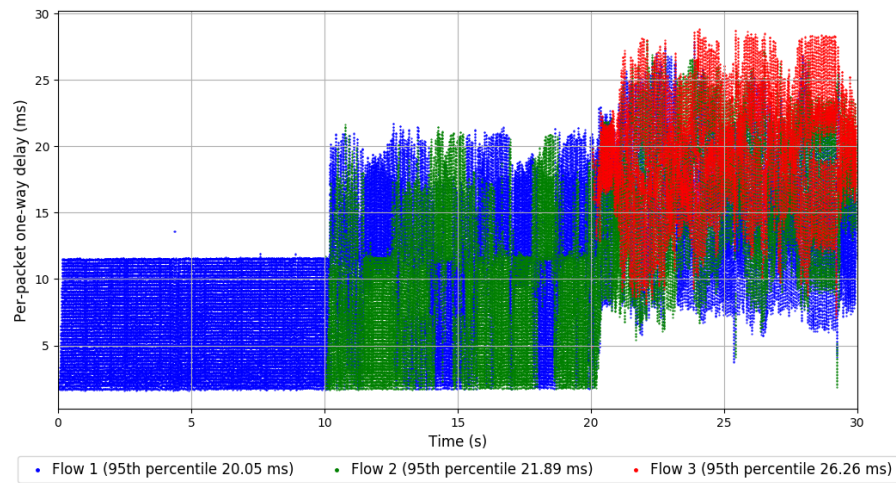
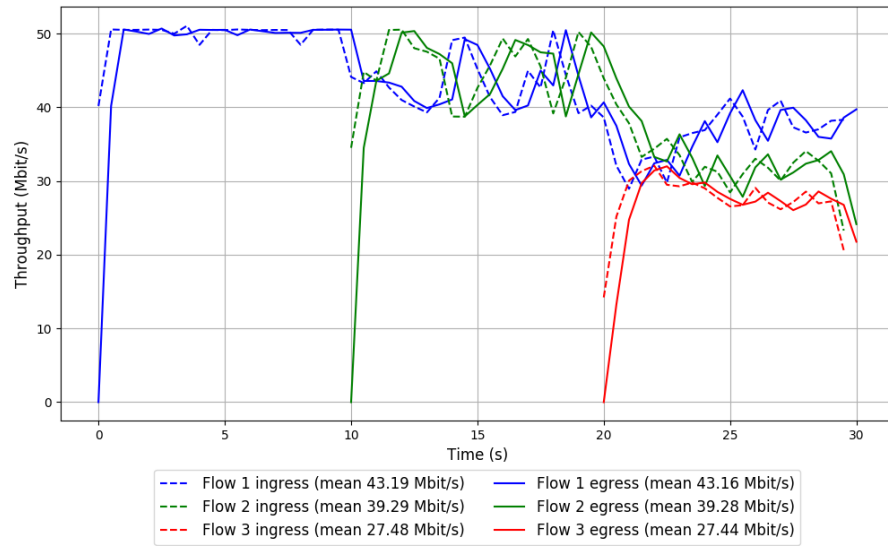


Run 2: Statistics of Sprout

Start at: 2018-05-22 03:42:35  
End at: 2018-05-22 03:43:05  
Local clock offset: -6.494 ms  
Remote clock offset: -3.226 ms

# Below is generated by plot.py at 2018-05-22 06:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.36 Mbit/s  
95th percentile per-packet one-way delay: 22.564 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.16 Mbit/s  
95th percentile per-packet one-way delay: 20.052 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.28 Mbit/s  
95th percentile per-packet one-way delay: 21.892 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.44 Mbit/s  
95th percentile per-packet one-way delay: 26.257 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link

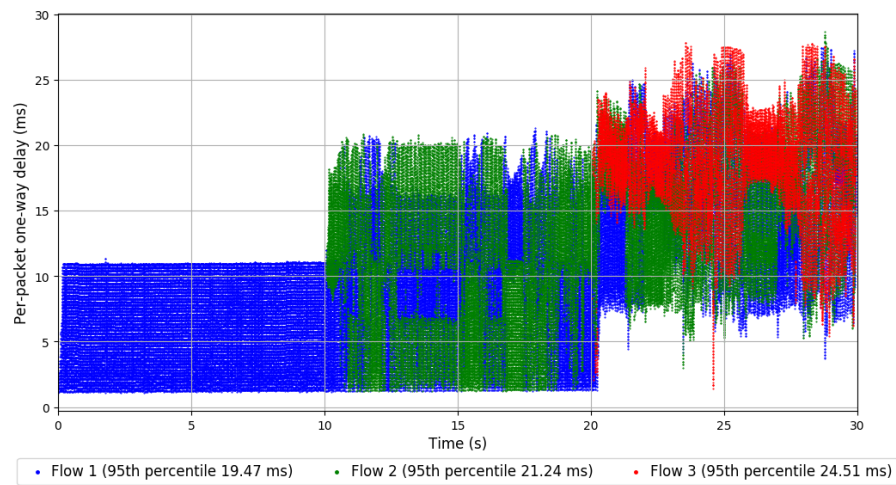
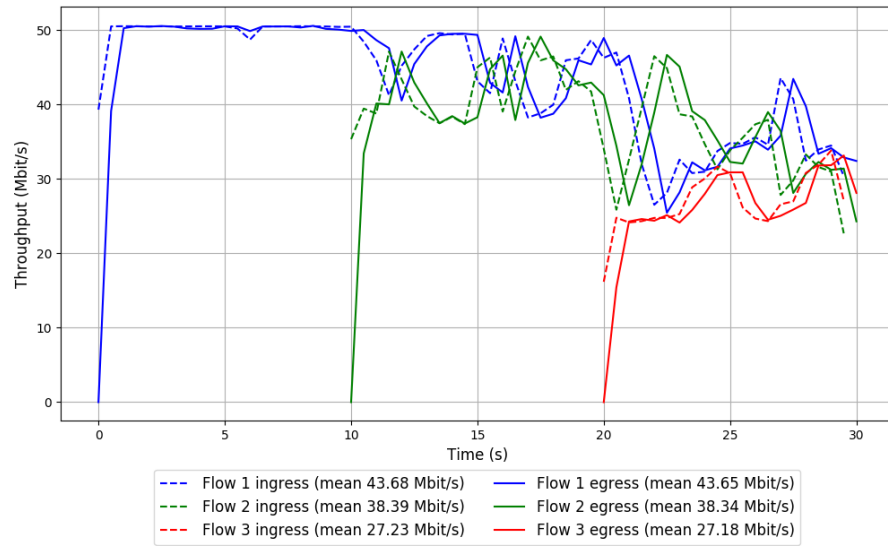


Run 3: Statistics of Sprout

Start at: 2018-05-22 04:00:26  
End at: 2018-05-22 04:00:56  
Local clock offset: -3.452 ms  
Remote clock offset: -7.23 ms

```
# Below is generated by plot.py at 2018-05-22 06:38:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 21.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 21.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 24.509 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of Sprout

Start at: 2018-05-22 04:18:17

End at: 2018-05-22 04:18:47

Local clock offset: 1.076 ms

Remote clock offset: -6.85 ms

# Below is generated by plot.py at 2018-05-22 06:38:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 22.342 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 21.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 22.402 ms

Loss rate: 0.00%

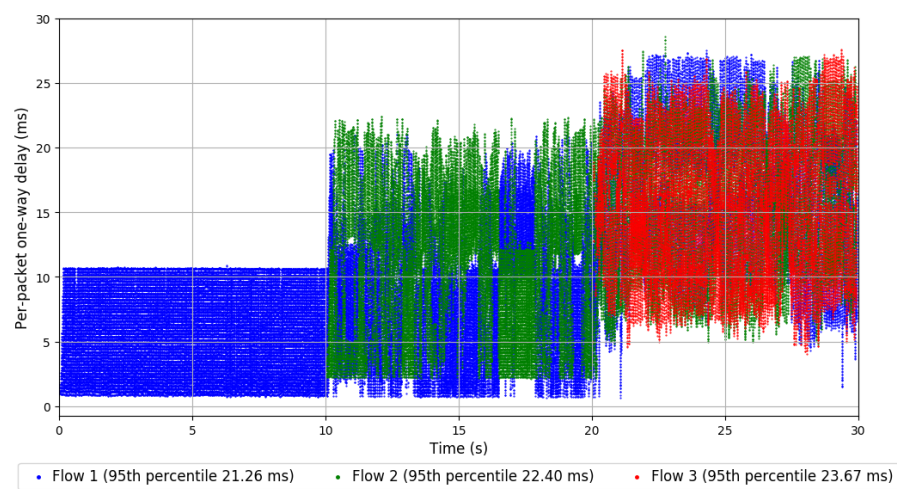
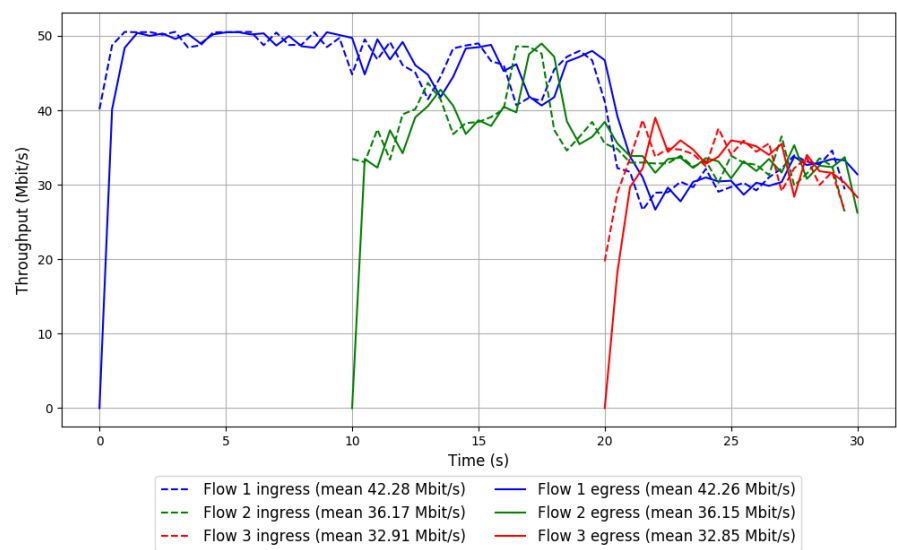
-- Flow 3:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 23.671 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



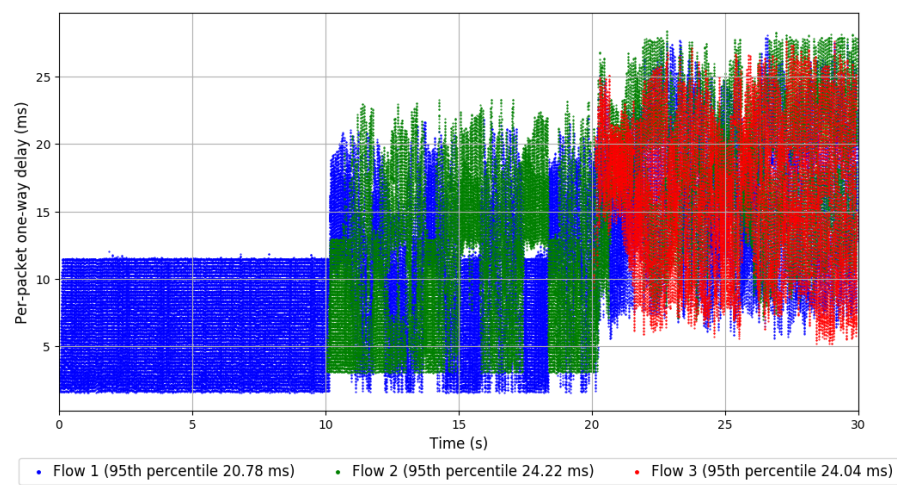
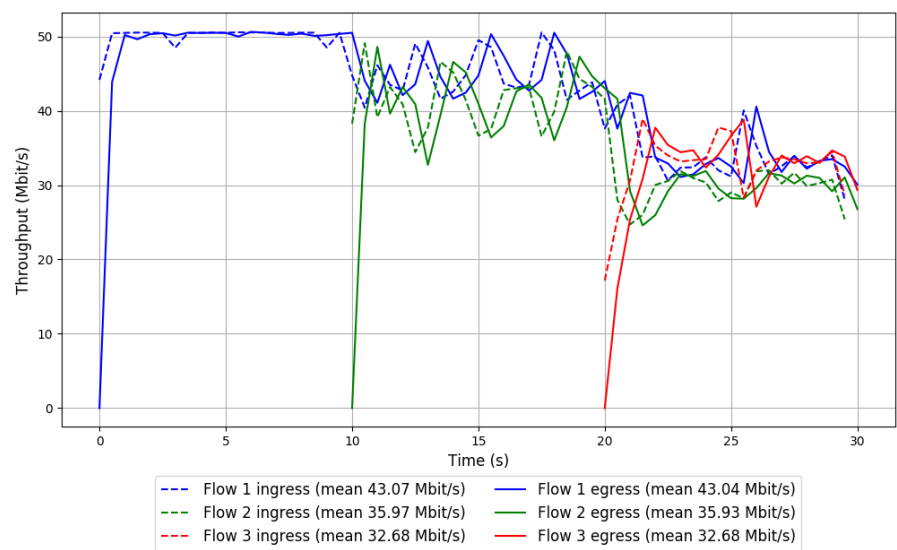
Run 5: Statistics of Sprout

Start at: 2018-05-22 04:36:09  
End at: 2018-05-22 04:36:39  
Local clock offset: 2.121 ms  
Remote clock offset: -2.299 ms

# Below is generated by plot.py at 2018-05-22 06:38:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.73 Mbit/s  
95th percentile per-packet one-way delay: 22.936 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.04 Mbit/s  
95th percentile per-packet one-way delay: 20.776 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 35.93 Mbit/s  
95th percentile per-packet one-way delay: 24.219 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.68 Mbit/s  
95th percentile per-packet one-way delay: 24.040 ms  
Loss rate: 0.00%



Run 5: Report of Sprout — Data Link

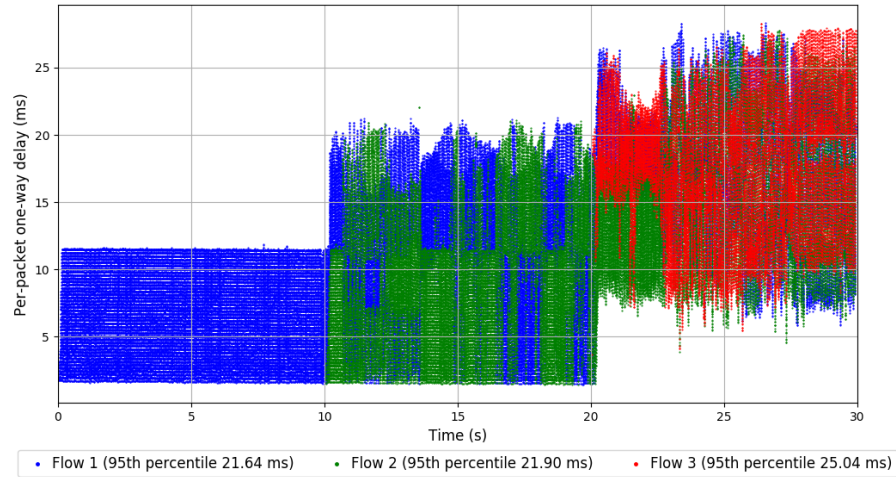
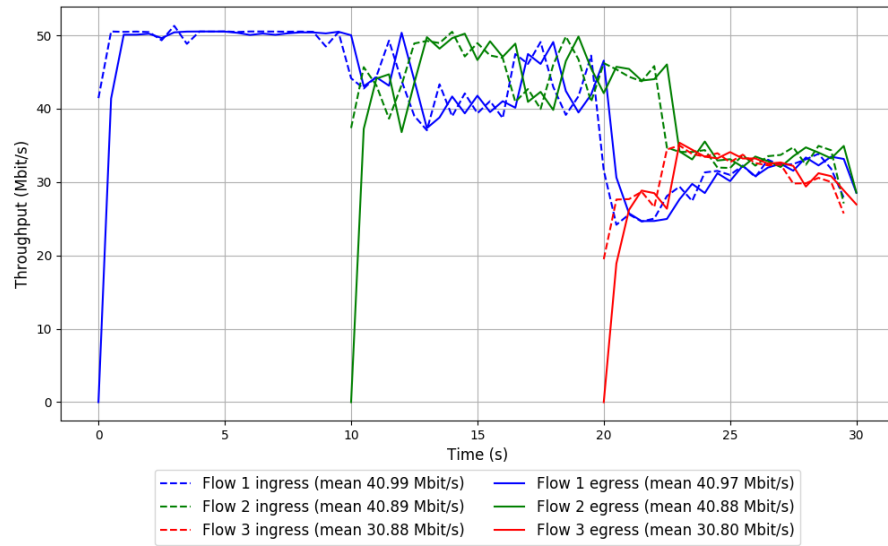


Run 6: Statistics of Sprout

Start at: 2018-05-22 04:54:00  
End at: 2018-05-22 04:54:30  
Local clock offset: 3.545 ms  
Remote clock offset: 2.433 ms

```
# Below is generated by plot.py at 2018-05-22 06:38:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 22.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 21.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 21.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 25.041 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

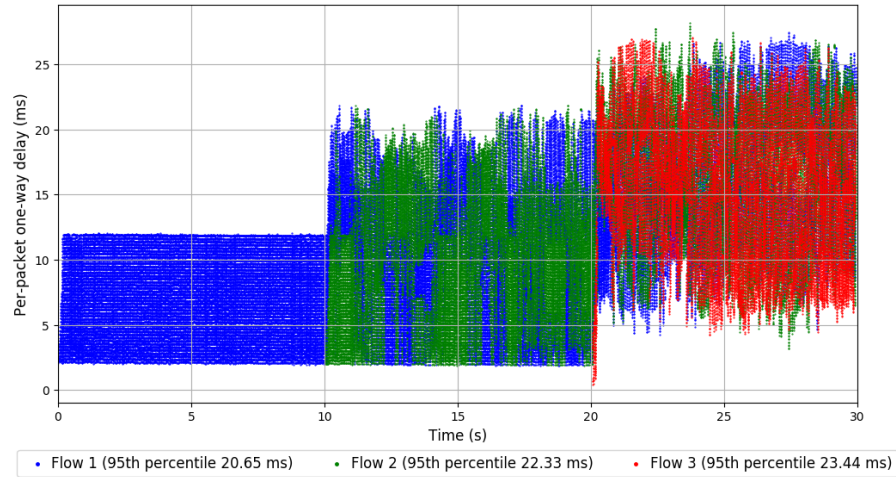
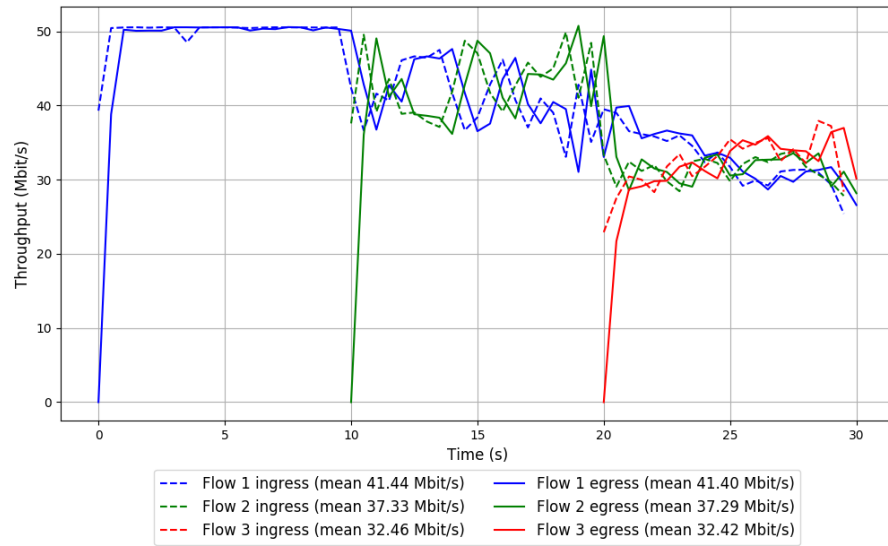


Run 7: Statistics of Sprout

Start at: 2018-05-22 05:11:52  
End at: 2018-05-22 05:12:22  
Local clock offset: -6.284 ms  
Remote clock offset: 8.958 ms

# Below is generated by plot.py at 2018-05-22 06:39:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.94 Mbit/s  
95th percentile per-packet one-way delay: 22.035 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 41.40 Mbit/s  
95th percentile per-packet one-way delay: 20.652 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.29 Mbit/s  
95th percentile per-packet one-way delay: 22.326 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.42 Mbit/s  
95th percentile per-packet one-way delay: 23.437 ms  
Loss rate: 0.00%

## Run 7: Report of Sprout — Data Link

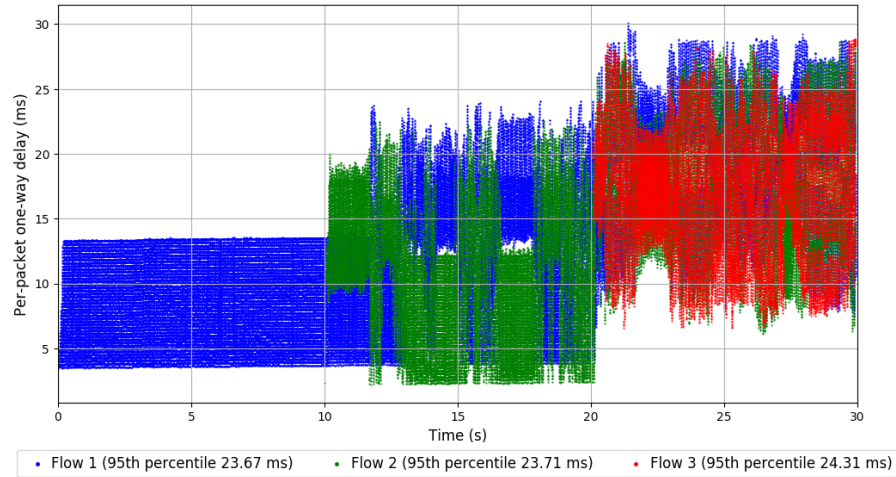
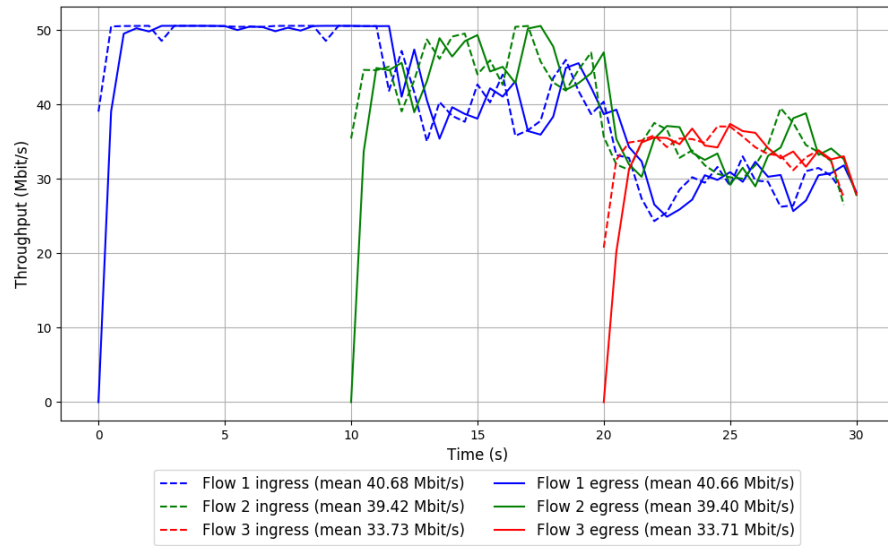


Run 8: Statistics of Sprout

Start at: 2018-05-22 05:29:44  
End at: 2018-05-22 05:30:14  
Local clock offset: -9.411 ms  
Remote clock offset: 4.026 ms

```
# Below is generated by plot.py at 2018-05-22 06:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.02 Mbit/s
95th percentile per-packet one-way delay: 23.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 23.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 23.711 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 24.309 ms
Loss rate: 0.00%
```

## Run 8: Report of Sprout — Data Link



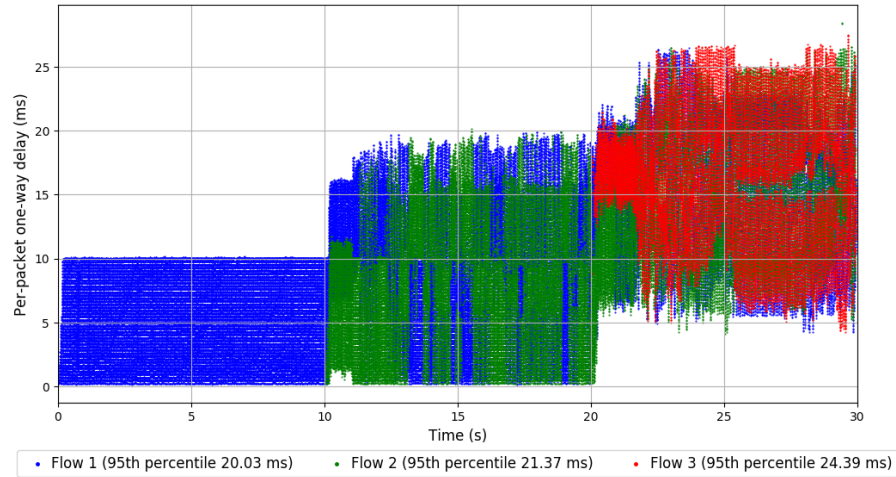
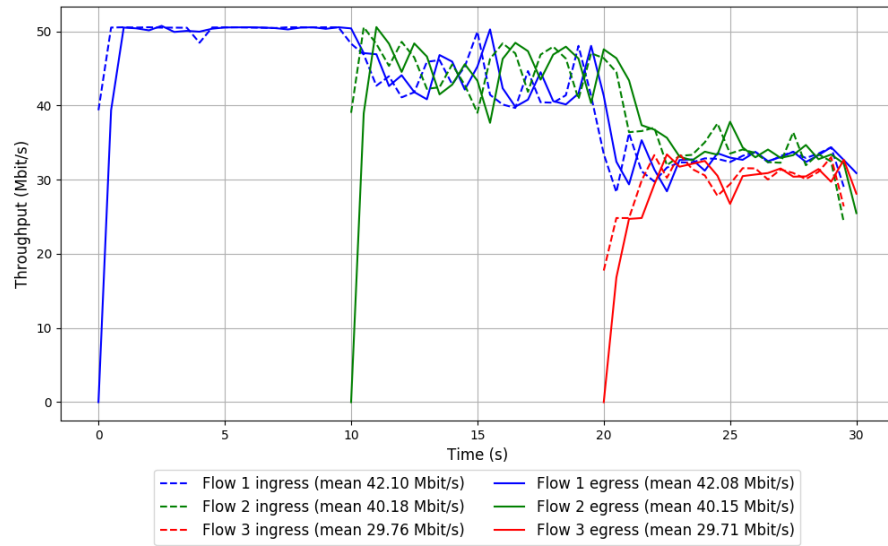
Run 9: Statistics of Sprout

Start at: 2018-05-22 05:47:35  
End at: 2018-05-22 05:48:05  
Local clock offset: -6.869 ms  
Remote clock offset: -3.277 ms

# Below is generated by plot.py at 2018-05-22 06:39:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.62 Mbit/s  
95th percentile per-packet one-way delay: 21.580 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 42.08 Mbit/s  
95th percentile per-packet one-way delay: 20.033 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.15 Mbit/s  
95th percentile per-packet one-way delay: 21.367 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 29.71 Mbit/s  
95th percentile per-packet one-way delay: 24.393 ms  
Loss rate: 0.05%



# Run 9: Report of Sprout — Data Link

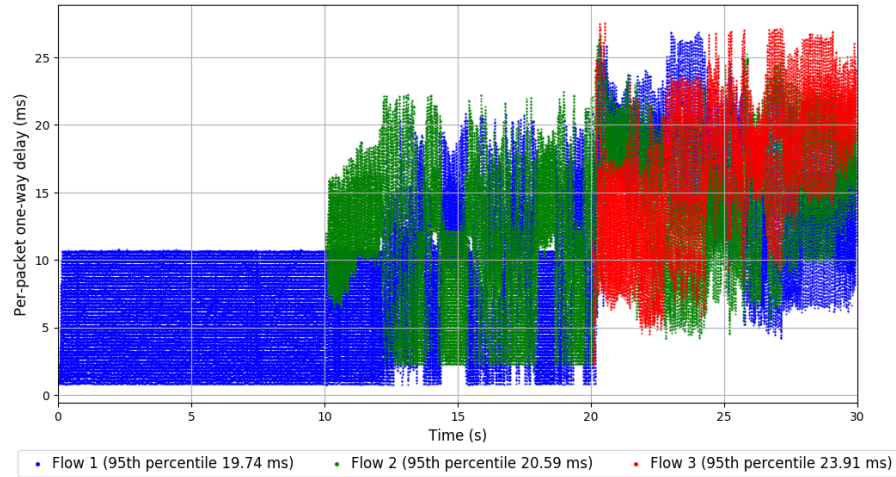
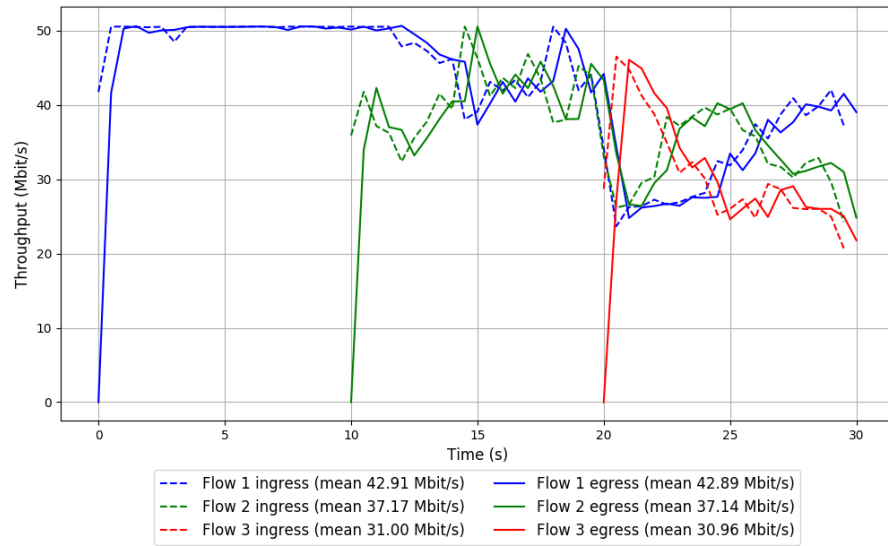


Run 10: Statistics of Sprout

Start at: 2018-05-22 06:05:26  
End at: 2018-05-22 06:05:56  
Local clock offset: -6.9 ms  
Remote clock offset: -3.821 ms

```
# Below is generated by plot.py at 2018-05-22 06:39:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 21.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 20.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 23.910 ms
Loss rate: 0.00%
```

## Run 10: Report of Sprout — Data Link

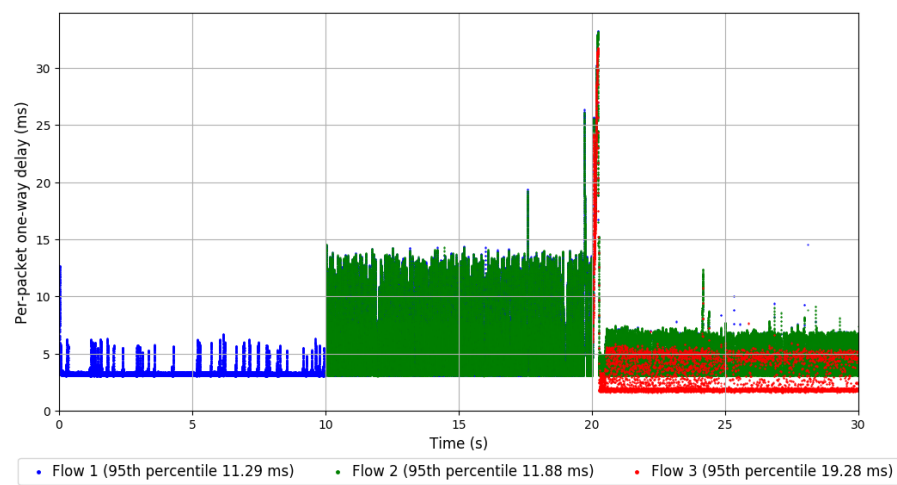
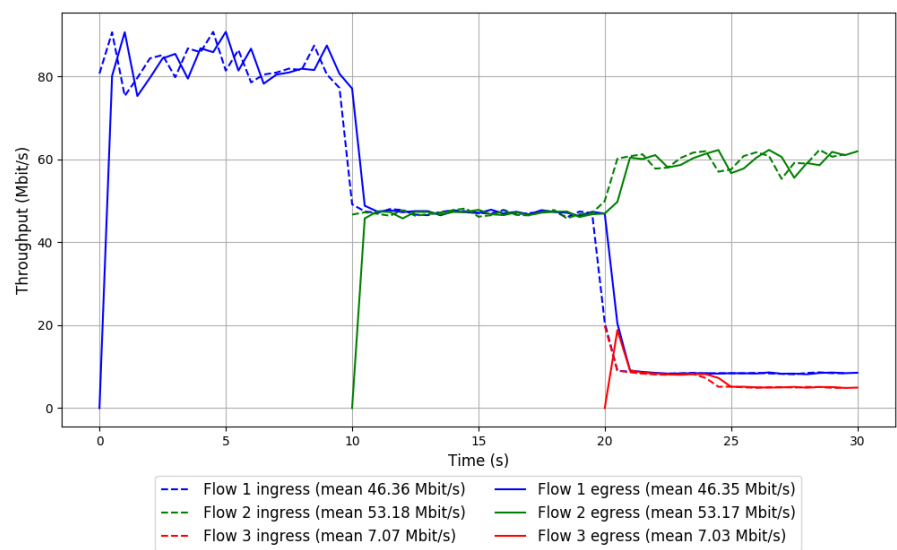


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 03:23:34
End at: 2018-05-22 03:24:04
Local clock offset: -6.127 ms
Remote clock offset: -2.408 ms

# Below is generated by plot.py at 2018-05-22 06:40:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.10 Mbit/s
95th percentile per-packet one-way delay: 11.623 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 11.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 19.276 ms
Loss rate: 0.71%
```

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

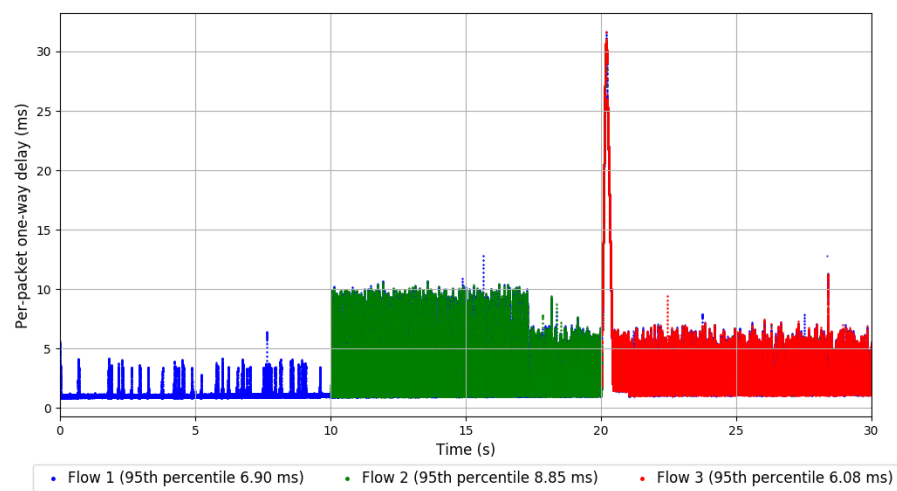
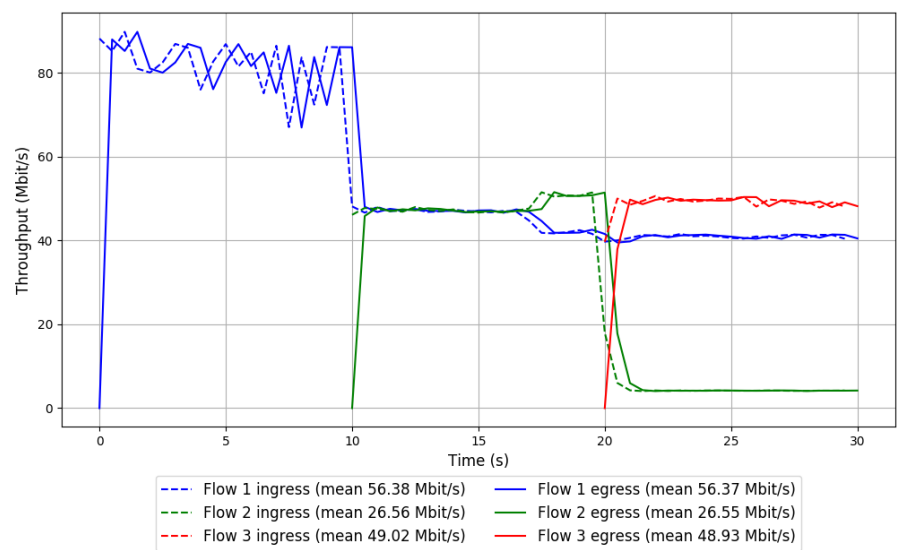


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 03:41:25  
End at: 2018-05-22 03:41:55  
Local clock offset: -5.696 ms  
Remote clock offset: -2.623 ms

# Below is generated by plot.py at 2018-05-22 06:40:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.33 Mbit/s  
95th percentile per-packet one-way delay: 7.618 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 56.37 Mbit/s  
95th percentile per-packet one-way delay: 6.900 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 26.55 Mbit/s  
95th percentile per-packet one-way delay: 8.846 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 48.93 Mbit/s  
95th percentile per-packet one-way delay: 6.081 ms  
Loss rate: 0.16%

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



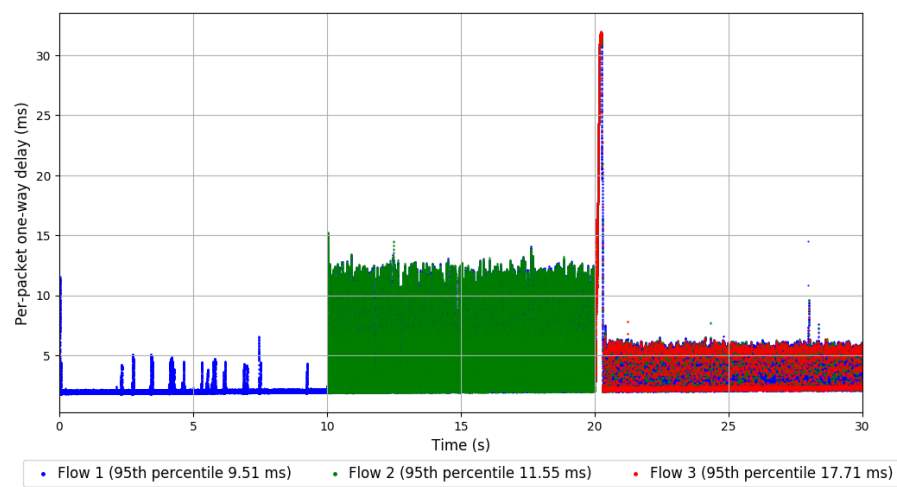
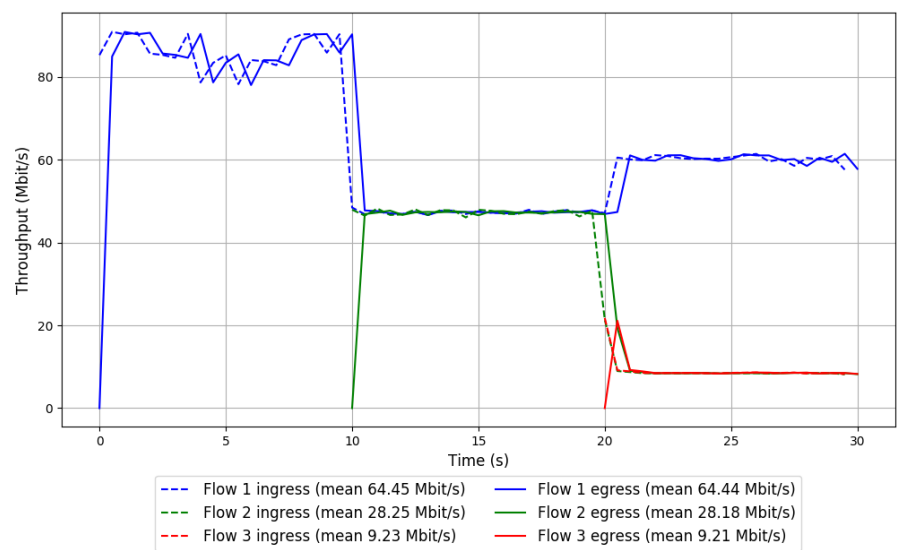
Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 03:59:16  
End at: 2018-05-22 03:59:46  
Local clock offset: -3.293 ms  
Remote clock offset: -7.113 ms

# Below is generated by plot.py at 2018-05-22 06:40:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.27 Mbit/s  
95th percentile per-packet one-way delay: 10.574 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 64.44 Mbit/s  
95th percentile per-packet one-way delay: 9.505 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.18 Mbit/s  
95th percentile per-packet one-way delay: 11.549 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 9.21 Mbit/s  
95th percentile per-packet one-way delay: 17.706 ms  
Loss rate: 0.30%



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

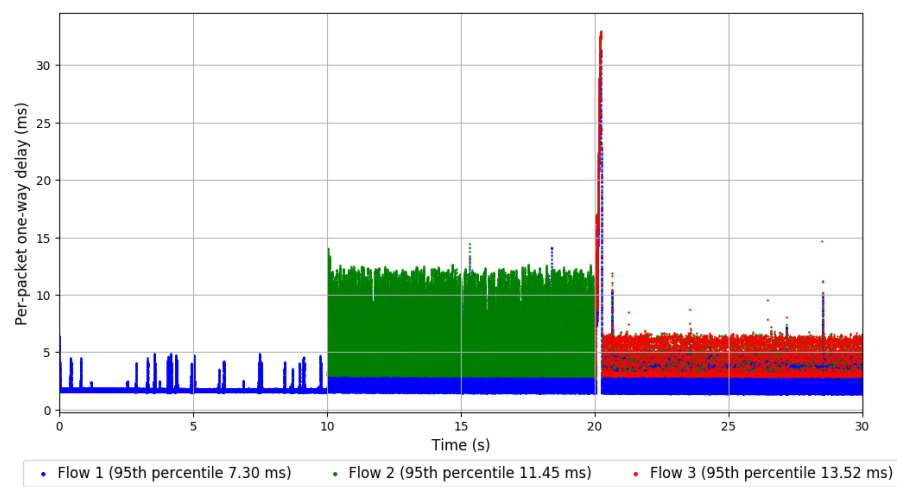
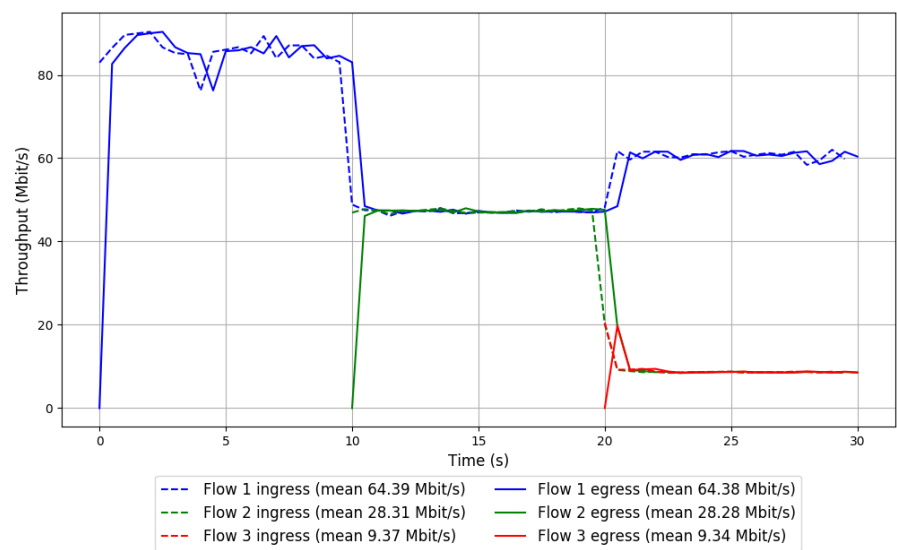


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 04:17:07  
End at: 2018-05-22 04:17:37  
Local clock offset: 0.132 ms  
Remote clock offset: -7.496 ms

# Below is generated by plot.py at 2018-05-22 06:40:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.33 Mbit/s  
95th percentile per-packet one-way delay: 9.711 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 64.38 Mbit/s  
95th percentile per-packet one-way delay: 7.305 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.28 Mbit/s  
95th percentile per-packet one-way delay: 11.453 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 13.517 ms  
Loss rate: 0.35%

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

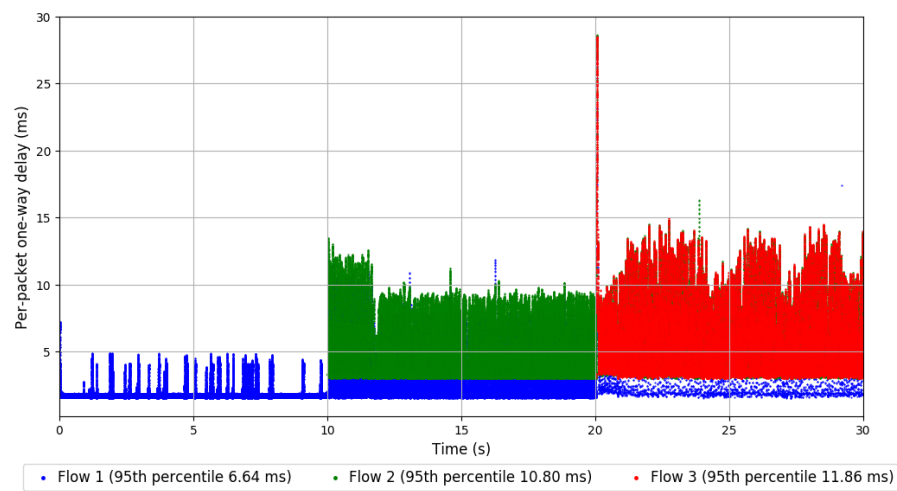
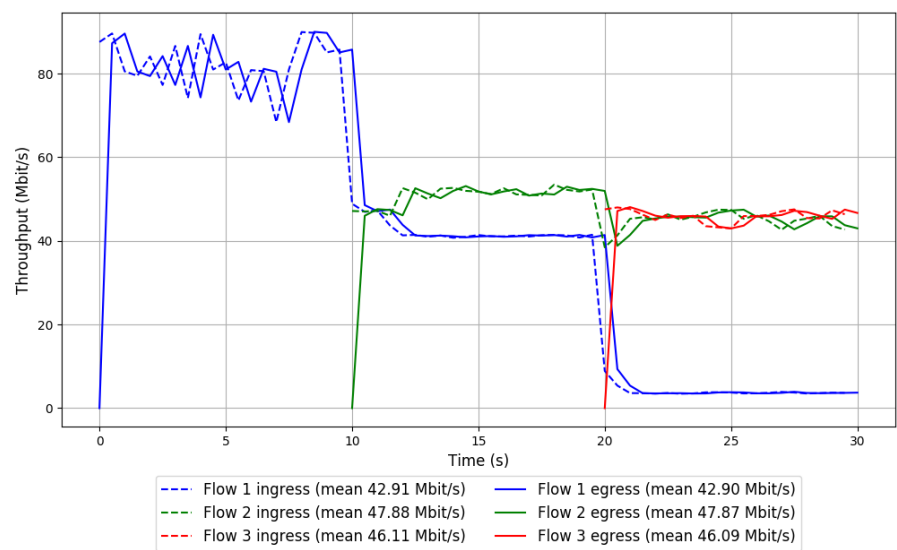


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 04:34:59  
End at: 2018-05-22 04:35:29  
Local clock offset: 2.023 ms  
Remote clock offset: -2.441 ms

# Below is generated by plot.py at 2018-05-22 06:41:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.11 Mbit/s  
95th percentile per-packet one-way delay: 10.007 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 42.90 Mbit/s  
95th percentile per-packet one-way delay: 6.641 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.87 Mbit/s  
95th percentile per-packet one-way delay: 10.798 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 46.09 Mbit/s  
95th percentile per-packet one-way delay: 11.861 ms  
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 04:52:50

End at: 2018-05-22 04:53:20

Local clock offset: 5.05 ms

Remote clock offset: 1.671 ms

# Below is generated by plot.py at 2018-05-22 06:41:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 6.896 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 6.629 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.81 Mbit/s

95th percentile per-packet one-way delay: 7.907 ms

Loss rate: 0.06%

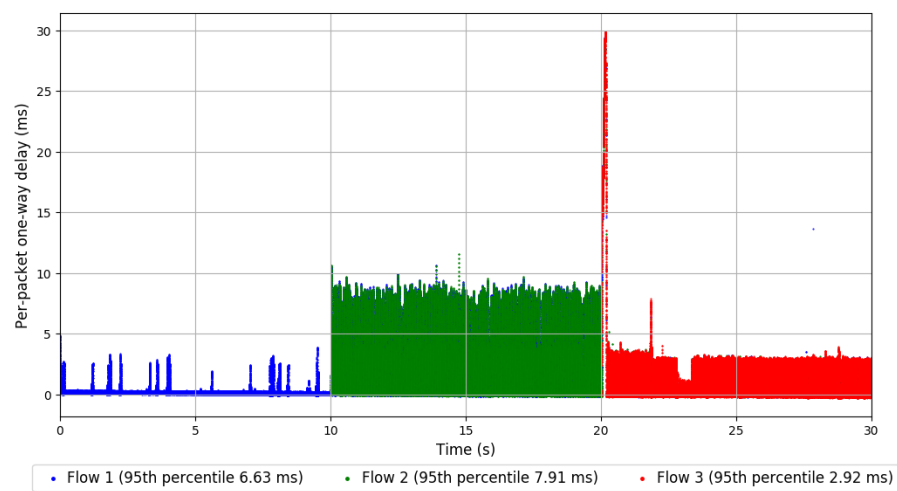
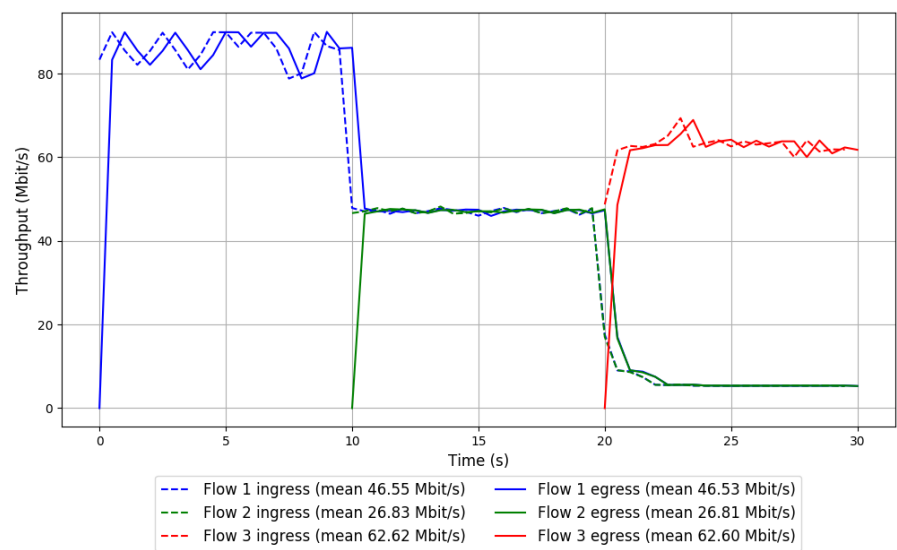
-- Flow 3:

Average throughput: 62.60 Mbit/s

95th percentile per-packet one-way delay: 2.923 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 05:10:42

End at: 2018-05-22 05:11:12

Local clock offset: -5.883 ms

Remote clock offset: 8.734 ms

# Below is generated by plot.py at 2018-05-22 06:41:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 9.966 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.18 Mbit/s

95th percentile per-packet one-way delay: 9.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.72 Mbit/s

95th percentile per-packet one-way delay: 8.452 ms

Loss rate: 0.00%

-- Flow 3:

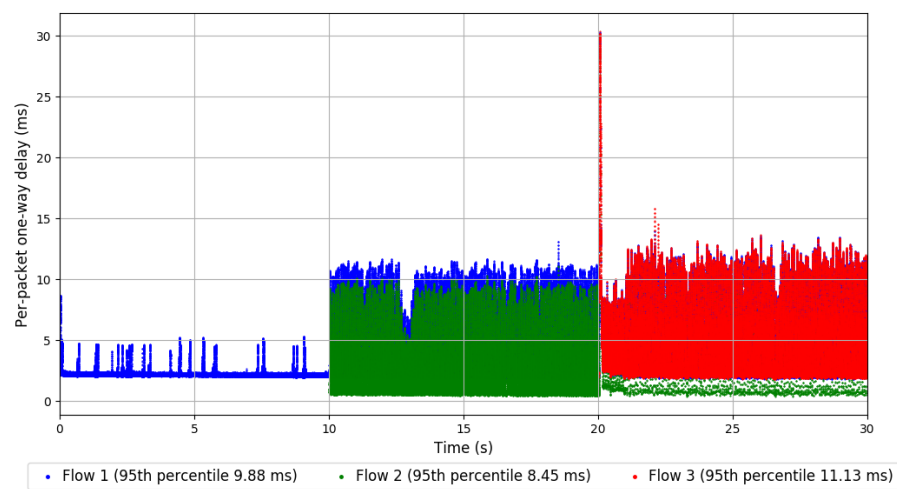
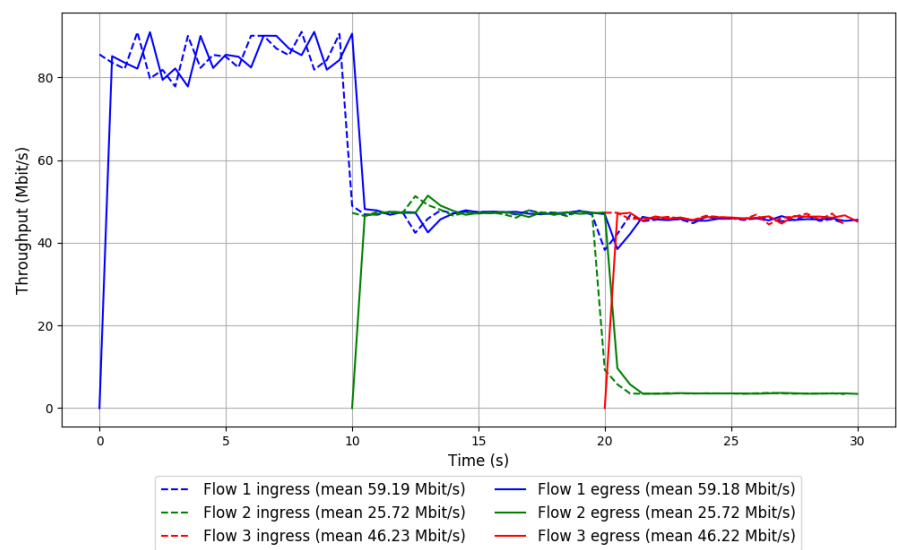
Average throughput: 46.22 Mbit/s

95th percentile per-packet one-way delay: 11.133 ms

Loss rate: 0.00%



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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 05:28:34

End at: 2018-05-22 05:29:04

Local clock offset: -9.713 ms

Remote clock offset: 5.052 ms

# Below is generated by plot.py at 2018-05-22 06:41:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 10.348 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 66.08 Mbit/s

95th percentile per-packet one-way delay: 7.873 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 12.056 ms

Loss rate: 0.07%

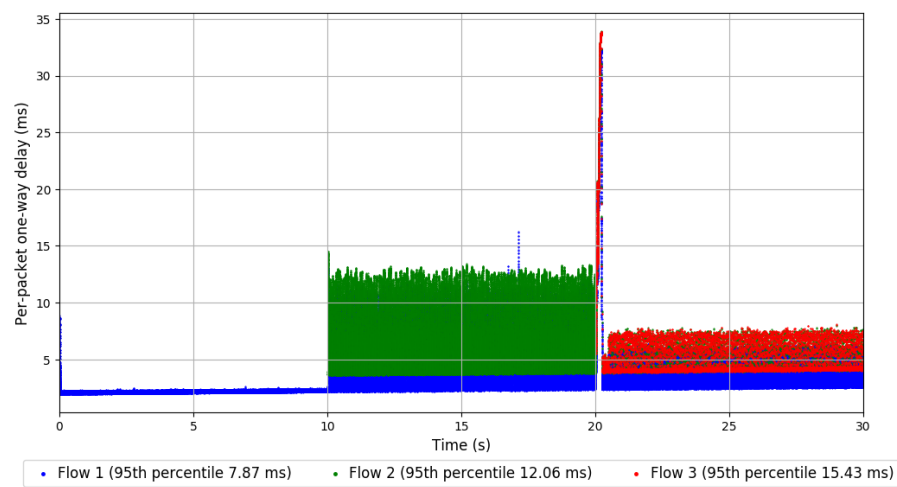
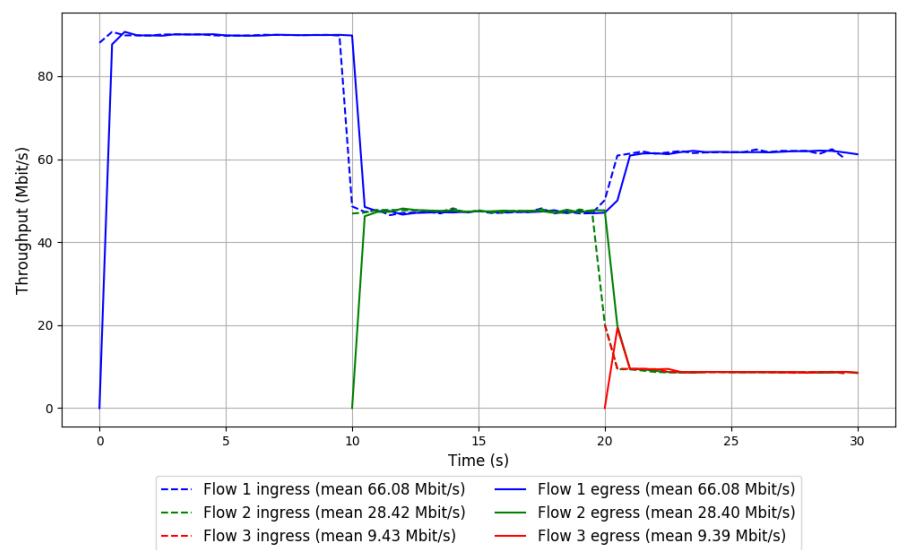
-- Flow 3:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 15.427 ms

Loss rate: 0.40%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 05:46:25

End at: 2018-05-22 05:46:55

Local clock offset: -8.35 ms

Remote clock offset: -3.14 ms

# Below is generated by plot.py at 2018-05-22 06:42:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 11.421 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 11.149 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.10 Mbit/s

95th percentile per-packet one-way delay: 12.480 ms

Loss rate: 0.02%

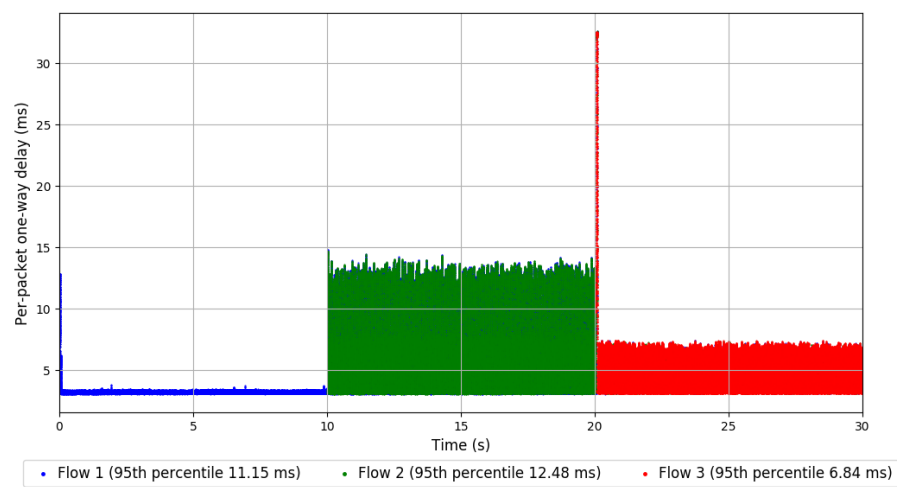
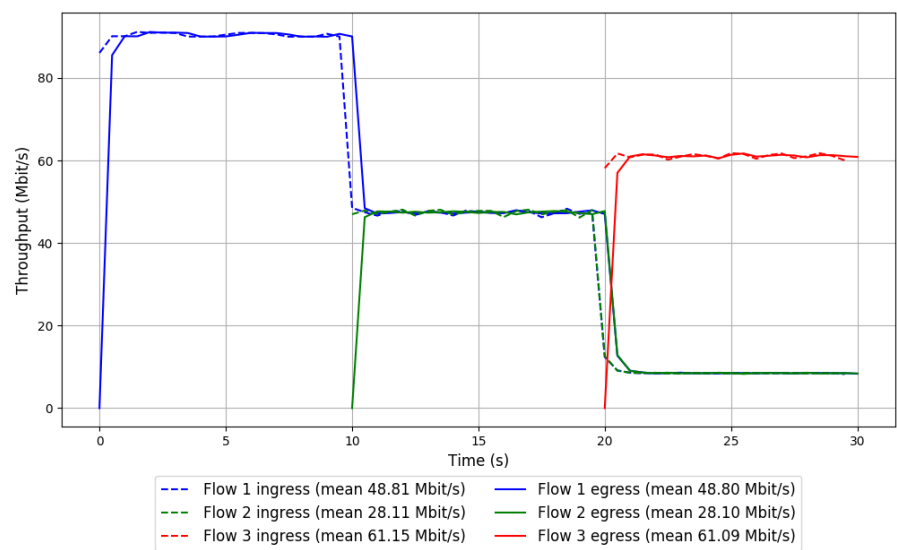
-- Flow 3:

Average throughput: 61.09 Mbit/s

95th percentile per-packet one-way delay: 6.843 ms

Loss rate: 0.07%

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

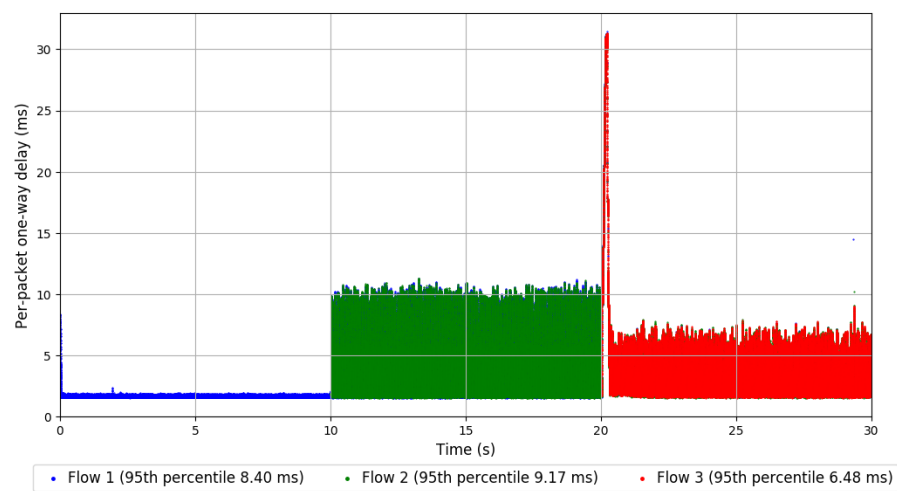
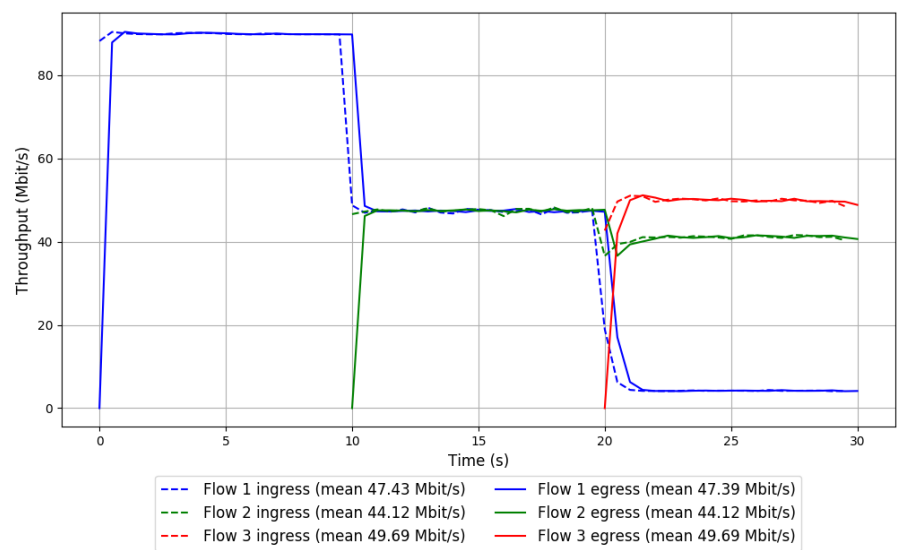


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 06:04:15  
End at: 2018-05-22 06:04:45  
Local clock offset: -7.798 ms  
Remote clock offset: -3.897 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.29 Mbit/s  
95th percentile per-packet one-way delay: 8.571 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 47.39 Mbit/s  
95th percentile per-packet one-way delay: 8.400 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 44.12 Mbit/s  
95th percentile per-packet one-way delay: 9.167 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 49.69 Mbit/s  
95th percentile per-packet one-way delay: 6.477 ms  
Loss rate: 0.00%

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



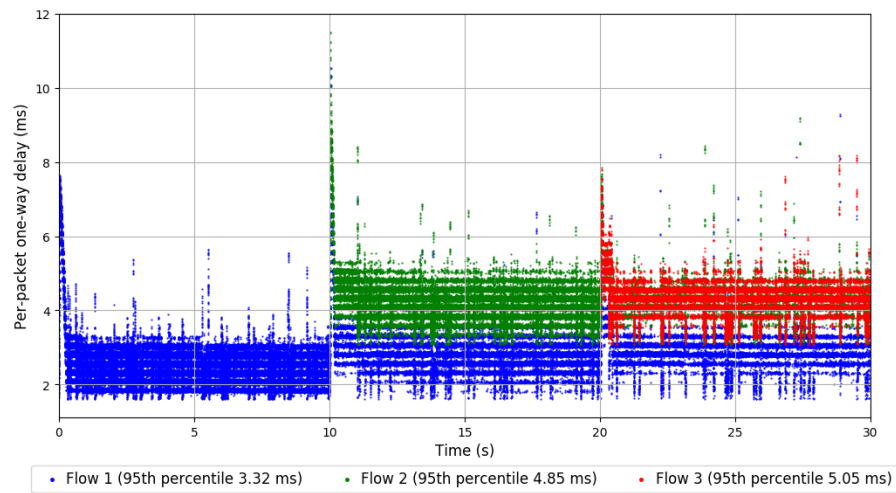
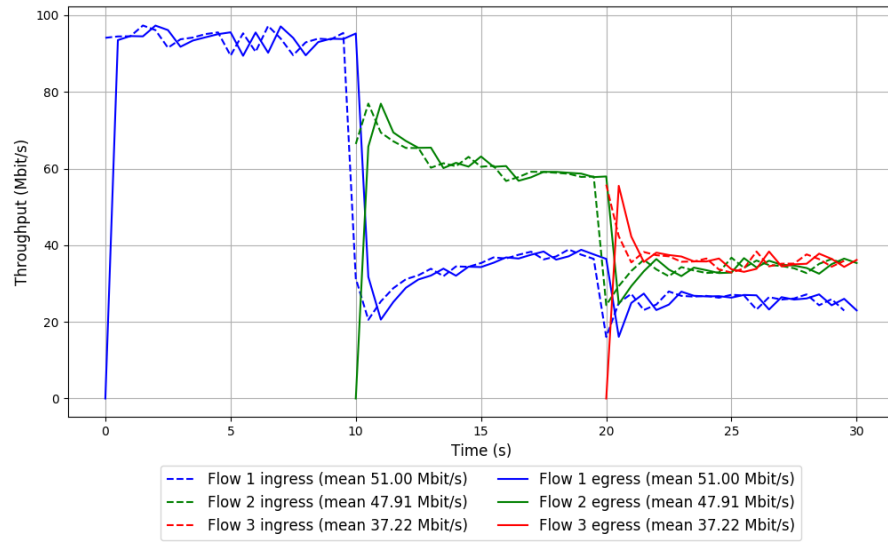
Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 03:36:55  
End at: 2018-05-22 03:37:25  
Local clock offset: -6.464 ms  
Remote clock offset: -2.547 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.29 Mbit/s  
95th percentile per-packet one-way delay: 4.794 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 51.00 Mbit/s  
95th percentile per-packet one-way delay: 3.319 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.91 Mbit/s  
95th percentile per-packet one-way delay: 4.851 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 37.22 Mbit/s  
95th percentile per-packet one-way delay: 5.051 ms  
Loss rate: 0.00%



# Run 1: Report of TCP Vegas — Data Link

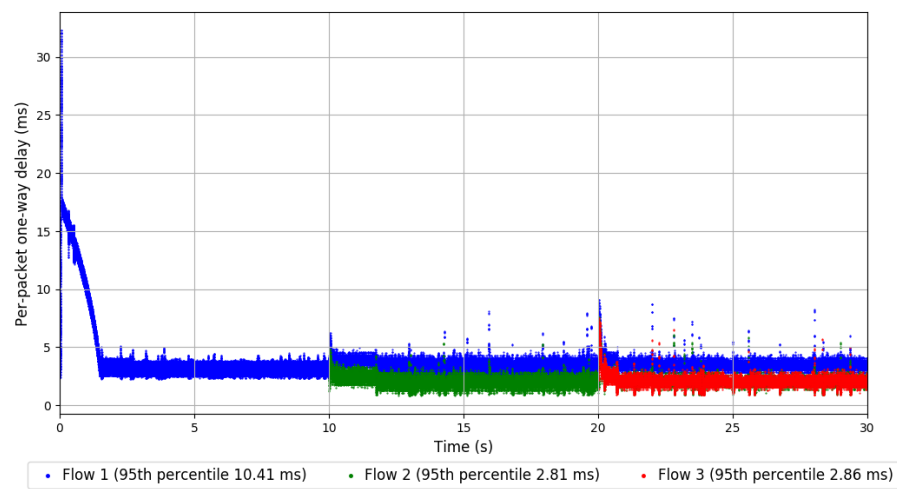
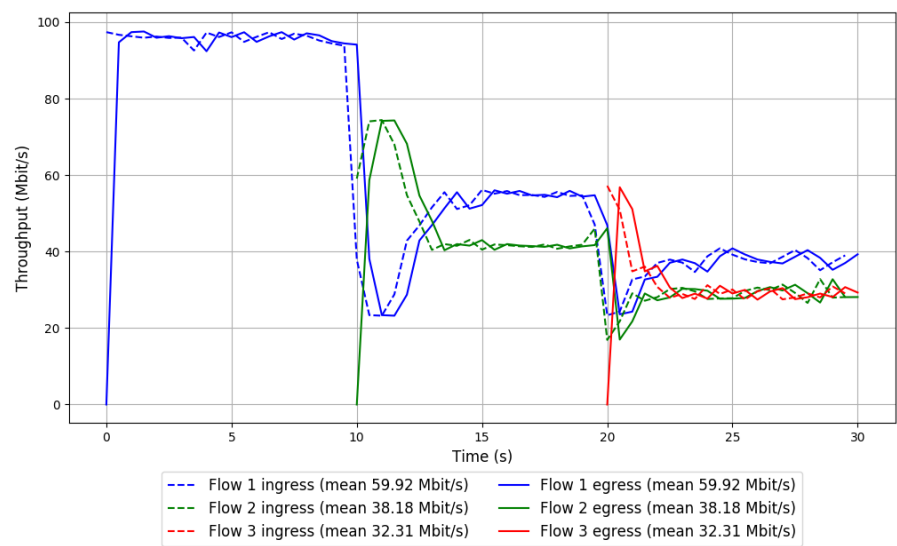


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 03:54:46  
End at: 2018-05-22 03:55:16  
Local clock offset: -5.802 ms  
Remote clock offset: -6.576 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.10 Mbit/s  
95th percentile per-packet one-way delay: 4.900 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.92 Mbit/s  
95th percentile per-packet one-way delay: 10.413 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.18 Mbit/s  
95th percentile per-packet one-way delay: 2.806 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.31 Mbit/s  
95th percentile per-packet one-way delay: 2.857 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

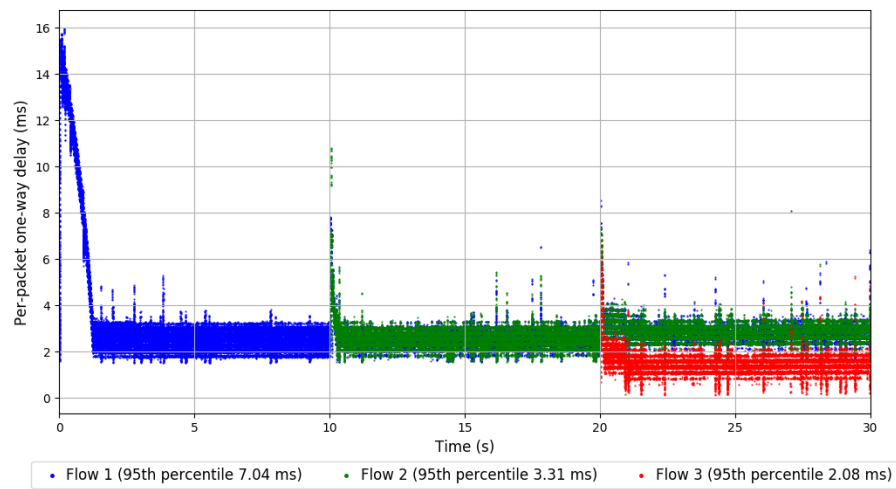
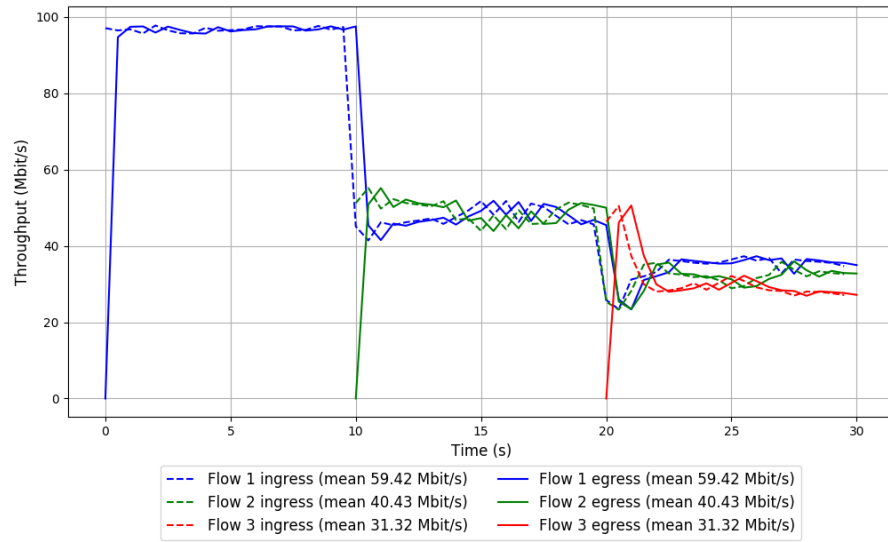


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 04:12:37  
End at: 2018-05-22 04:13:07  
Local clock offset: 0.986 ms  
Remote clock offset: -8.379 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.76 Mbit/s  
95th percentile per-packet one-way delay: 3.625 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.42 Mbit/s  
95th percentile per-packet one-way delay: 7.041 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.43 Mbit/s  
95th percentile per-packet one-way delay: 3.311 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.32 Mbit/s  
95th percentile per-packet one-way delay: 2.084 ms  
Loss rate: 0.00%

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

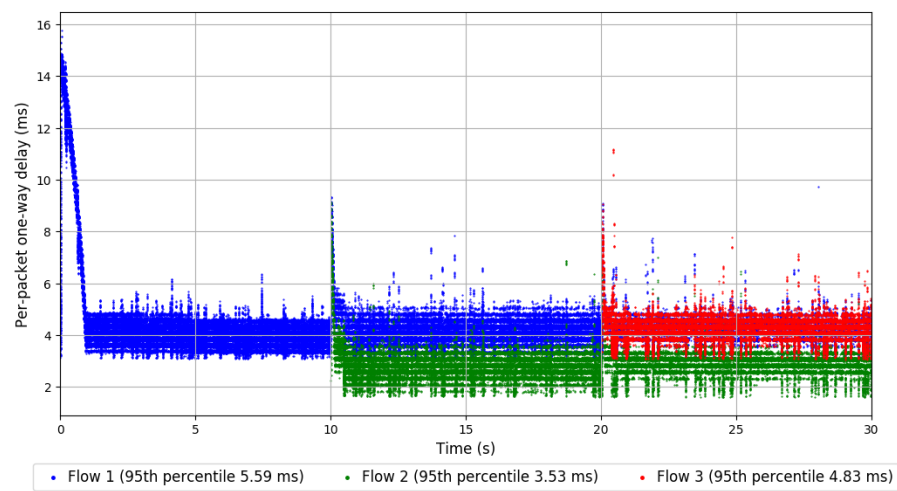
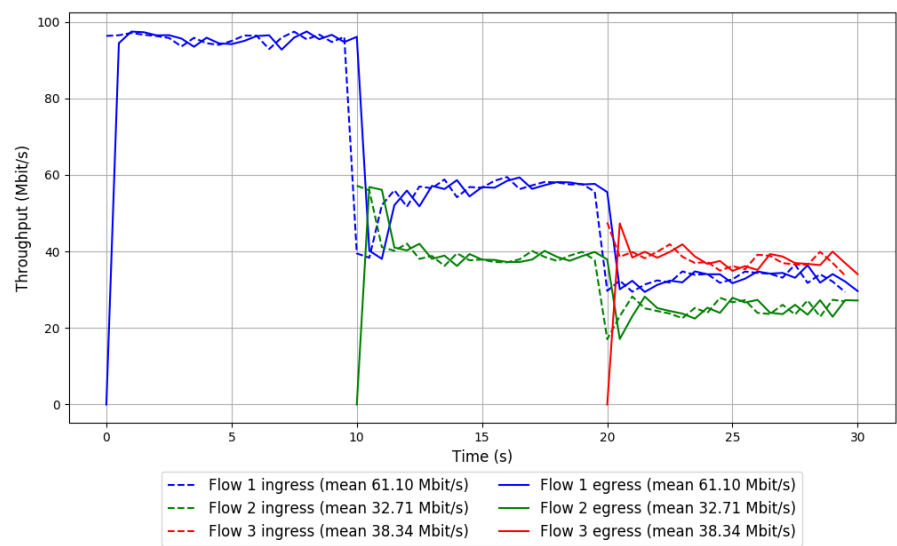


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 04:30:29  
End at: 2018-05-22 04:30:59  
Local clock offset: 1.543 ms  
Remote clock offset: -3.087 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.63 Mbit/s  
95th percentile per-packet one-way delay: 4.873 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 61.10 Mbit/s  
95th percentile per-packet one-way delay: 5.595 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.71 Mbit/s  
95th percentile per-packet one-way delay: 3.531 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 38.34 Mbit/s  
95th percentile per-packet one-way delay: 4.832 ms  
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



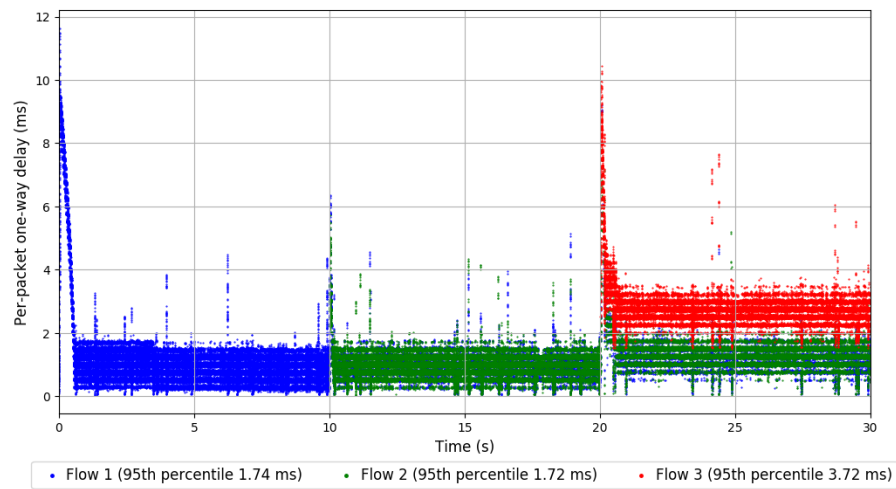
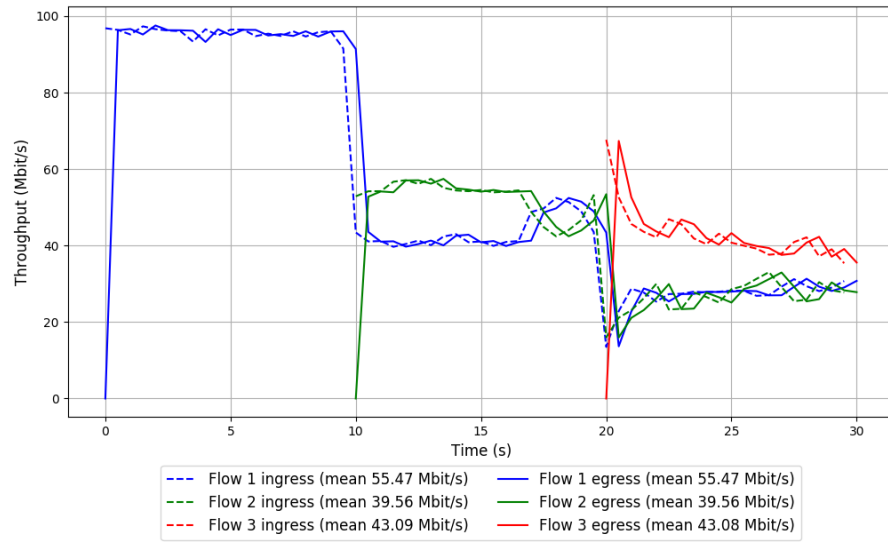
Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 04:48:20  
End at: 2018-05-22 04:48:50  
Local clock offset: 4.68 ms  
Remote clock offset: -1.168 ms

# Below is generated by plot.py at 2018-05-22 06:42:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.16 Mbit/s  
95th percentile per-packet one-way delay: 2.992 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.47 Mbit/s  
95th percentile per-packet one-way delay: 1.743 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.56 Mbit/s  
95th percentile per-packet one-way delay: 1.720 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 43.08 Mbit/s  
95th percentile per-packet one-way delay: 3.722 ms  
Loss rate: 0.00%



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



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 05:06:12

End at: 2018-05-22 05:06:42

Local clock offset: -3.958 ms

Remote clock offset: 7.583 ms

# Below is generated by plot.py at 2018-05-22 06:42:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 3.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 2.201 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.18 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.00%

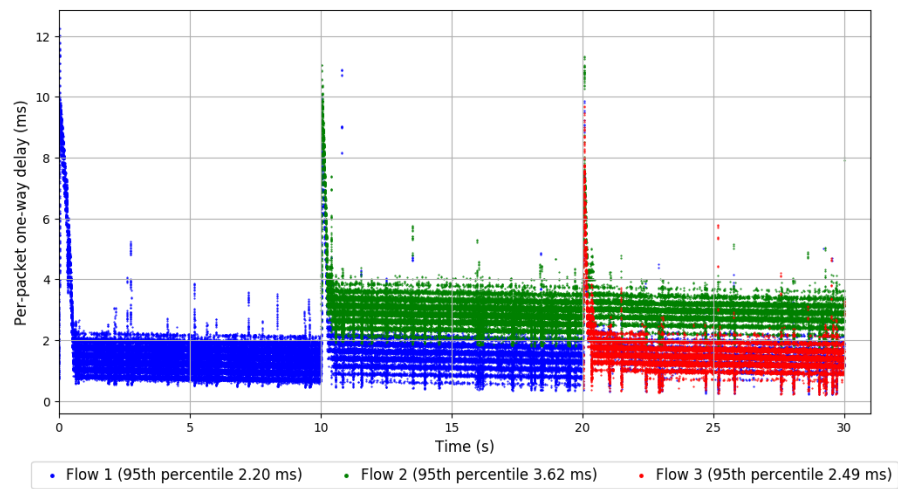
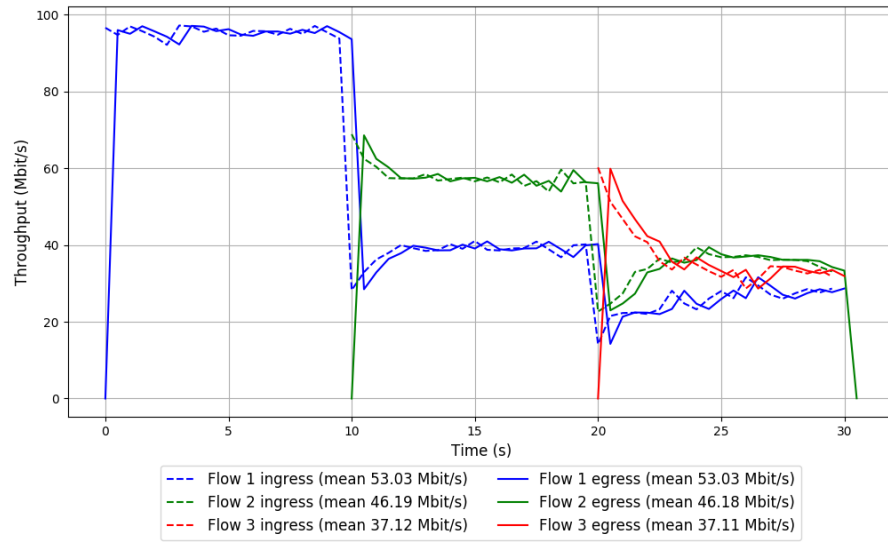
-- Flow 3:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 2.490 ms

Loss rate: 0.00%

# Run 6: Report of TCP Vegas — Data Link

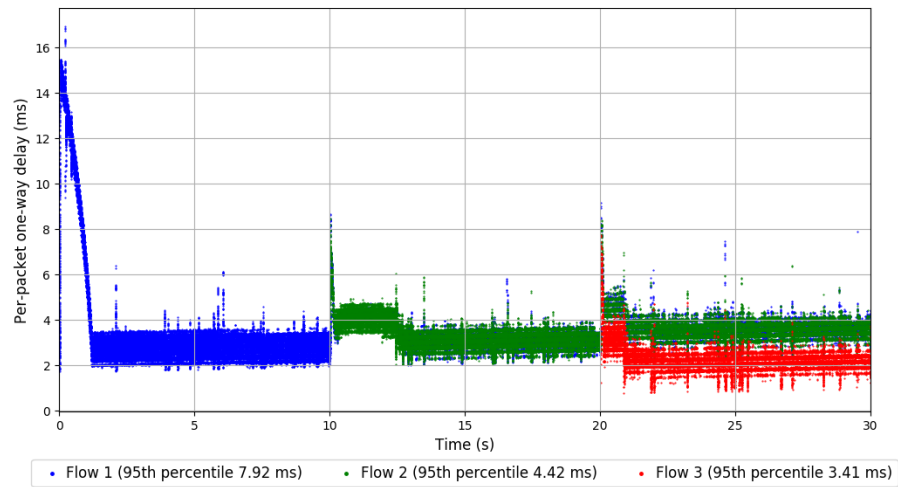
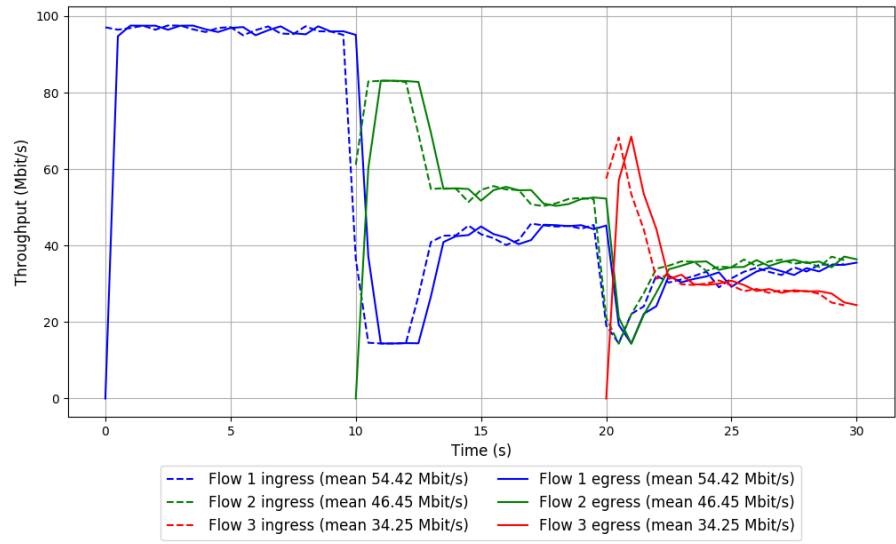


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 05:24:03  
End at: 2018-05-22 05:24:33  
Local clock offset: -8.381 ms  
Remote clock offset: 10.983 ms

# Below is generated by plot.py at 2018-05-22 06:42:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.75 Mbit/s  
95th percentile per-packet one-way delay: 4.501 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 54.42 Mbit/s  
95th percentile per-packet one-way delay: 7.921 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 46.45 Mbit/s  
95th percentile per-packet one-way delay: 4.421 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 34.25 Mbit/s  
95th percentile per-packet one-way delay: 3.409 ms  
Loss rate: 0.00%

# Run 7: Report of TCP Vegas — Data Link

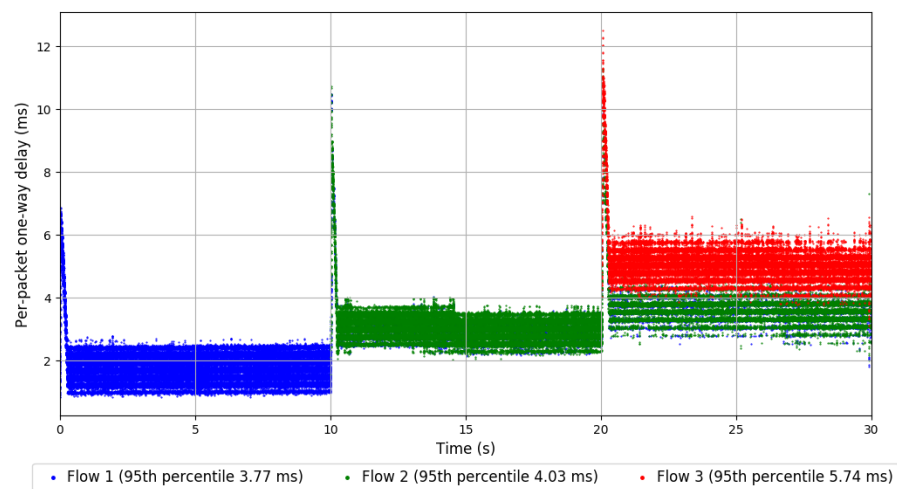
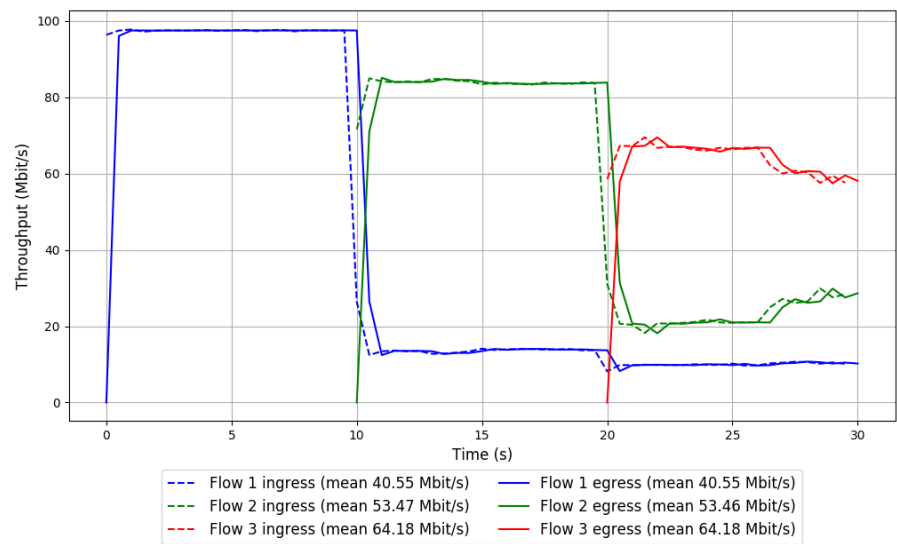


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 05:41:54  
End at: 2018-05-22 05:42:24  
Local clock offset: -7.531 ms  
Remote clock offset: -2.292 ms

# Below is generated by plot.py at 2018-05-22 06:43:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 5.320 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.55 Mbit/s  
95th percentile per-packet one-way delay: 3.773 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 53.46 Mbit/s  
95th percentile per-packet one-way delay: 4.028 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 64.18 Mbit/s  
95th percentile per-packet one-way delay: 5.737 ms  
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



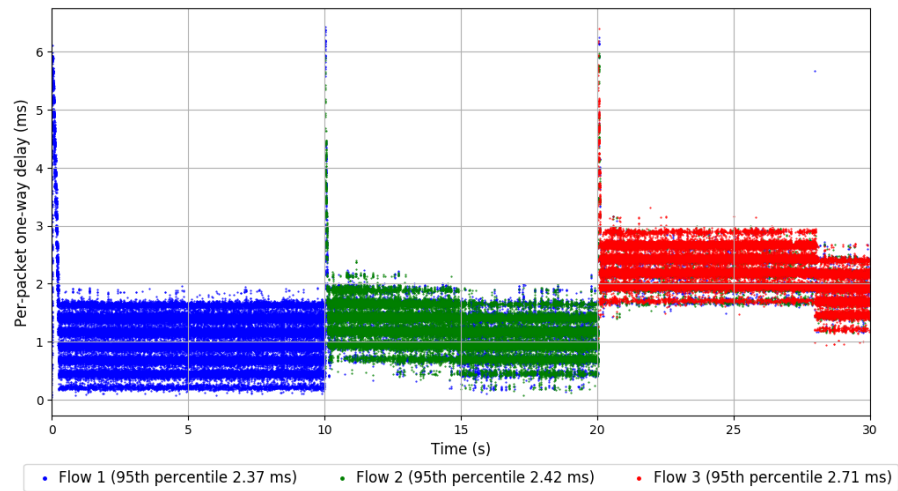
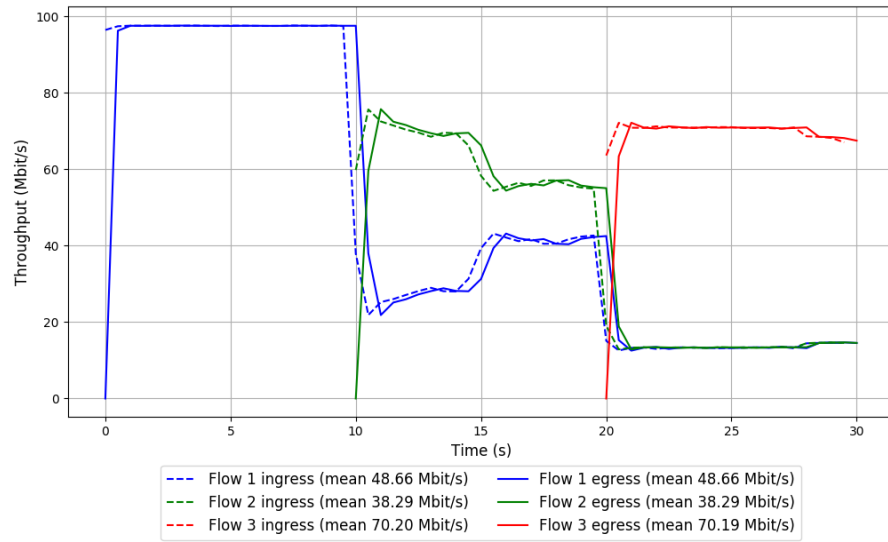
Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 05:59:45  
End at: 2018-05-22 06:00:15  
Local clock offset: -6.673 ms  
Remote clock offset: -4.293 ms

# Below is generated by plot.py at 2018-05-22 06:43:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.50 Mbit/s  
95th percentile per-packet one-way delay: 2.659 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 48.66 Mbit/s  
95th percentile per-packet one-way delay: 2.367 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.29 Mbit/s  
95th percentile per-packet one-way delay: 2.420 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.19 Mbit/s  
95th percentile per-packet one-way delay: 2.714 ms  
Loss rate: 0.00%



# Run 9: Report of TCP Vegas — Data Link

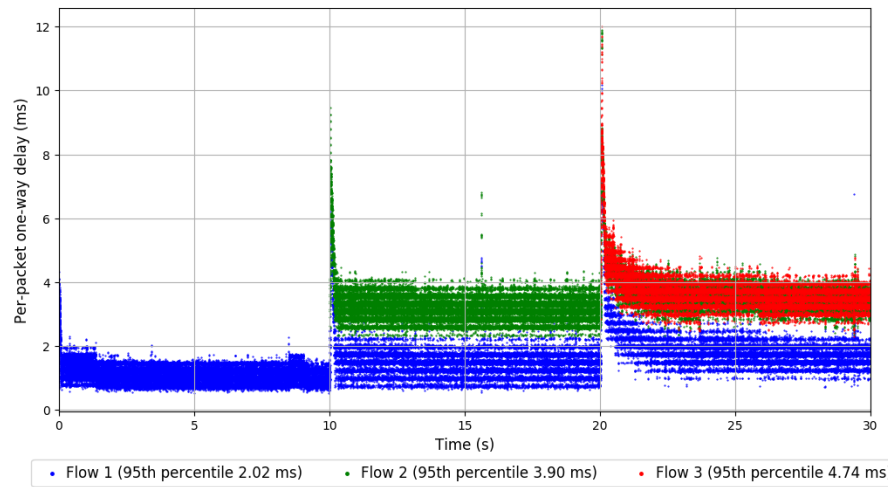
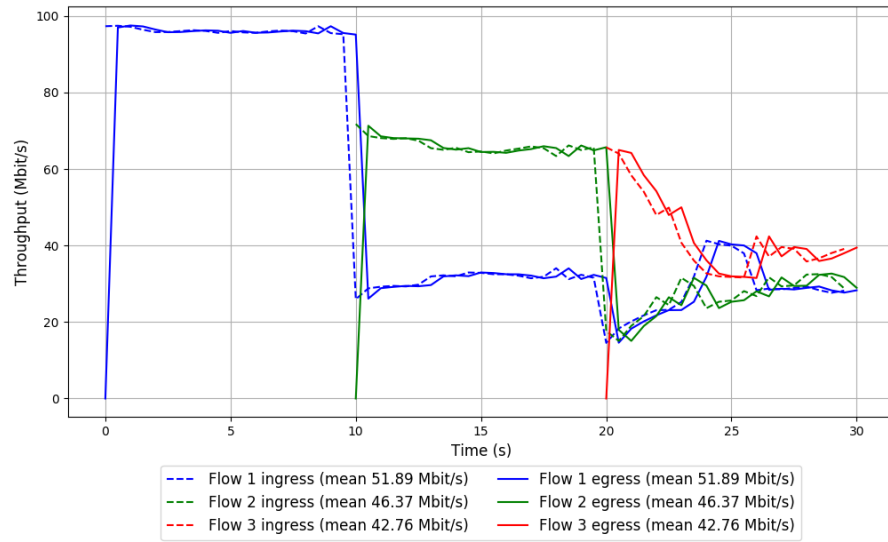


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 06:21:51  
End at: 2018-05-22 06:22:21  
Local clock offset: -6.828 ms  
Remote clock offset: -3.577 ms

# Below is generated by plot.py at 2018-05-22 06:43:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.99 Mbit/s  
95th percentile per-packet one-way delay: 3.971 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 51.89 Mbit/s  
95th percentile per-packet one-way delay: 2.018 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 46.37 Mbit/s  
95th percentile per-packet one-way delay: 3.904 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 42.76 Mbit/s  
95th percentile per-packet one-way delay: 4.739 ms  
Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 03:32:27

End at: 2018-05-22 03:32:57

Local clock offset: -4.779 ms

Remote clock offset: -2.539 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-22 03:50:19

End at: 2018-05-22 03:50:49

Local clock offset: -5.738 ms

Remote clock offset: -5.622 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-22 04:08:10

End at: 2018-05-22 04:08:40

Local clock offset: -1.544 ms

Remote clock offset: -8.033 ms



Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-22 04:26:01

End at: 2018-05-22 04:26:31

Local clock offset: 1.927 ms

Remote clock offset: -4.034 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-22 04:43:53

End at: 2018-05-22 04:44:23

Local clock offset: 3.535 ms

Remote clock offset: -1.567 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-22 05:01:44

End at: 2018-05-22 05:02:14

Local clock offset: -1.737 ms

Remote clock offset: 6.157 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-22 05:19:36

End at: 2018-05-22 05:20:06

Local clock offset: -7.535 ms

Remote clock offset: 10.458 ms



Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-22 05:37:27

End at: 2018-05-22 05:37:57

Local clock offset: -7.727 ms

Remote clock offset: -0.791 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 05:55:18

End at: 2018-05-22 05:55:48

Local clock offset: -7.202 ms

Remote clock offset: -4.34 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 06:13:09

End at: 2018-05-22 06:13:39

Local clock offset: -6.72 ms

Remote clock offset: -3.576 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

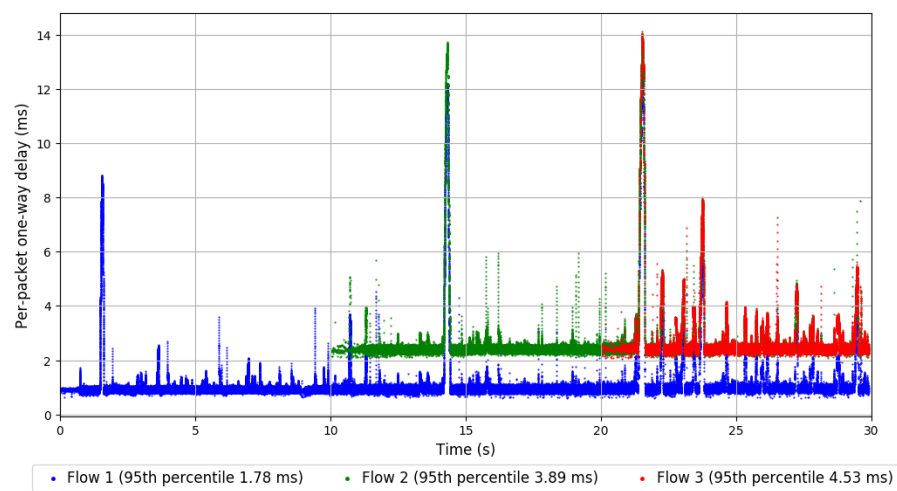
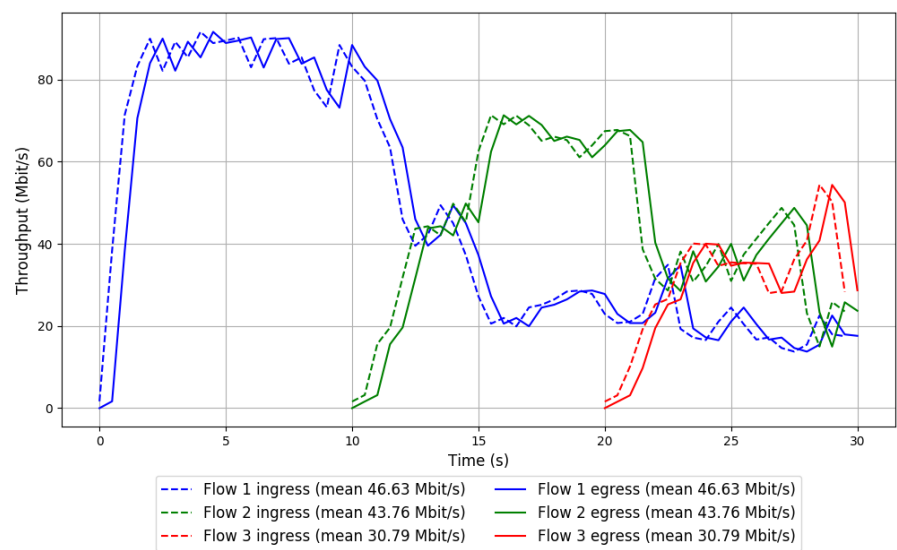
Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 03:34:39  
End at: 2018-05-22 03:35:09  
Local clock offset: -5.6 ms  
Remote clock offset: -2.579 ms

# Below is generated by plot.py at 2018-05-22 06:43:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.90 Mbit/s  
95th percentile per-packet one-way delay: 3.374 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.63 Mbit/s  
95th percentile per-packet one-way delay: 1.782 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.76 Mbit/s  
95th percentile per-packet one-way delay: 3.893 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.79 Mbit/s  
95th percentile per-packet one-way delay: 4.533 ms  
Loss rate: 0.00%



Run 1: Report of PCC-Vivace — Data Link

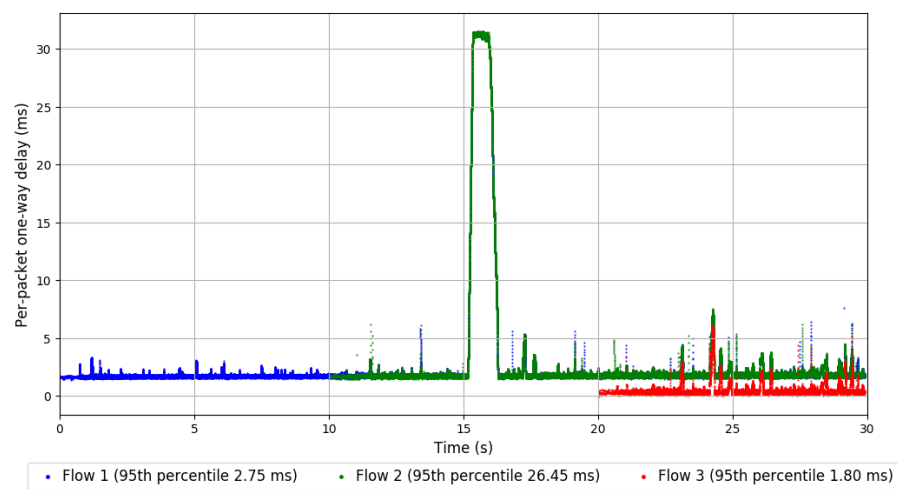
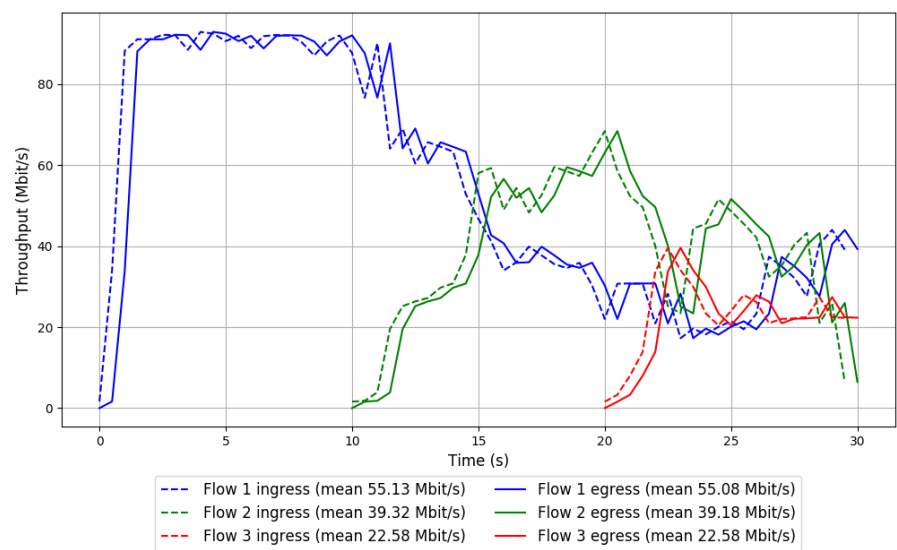


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 03:52:30  
End at: 2018-05-22 03:53:00  
Local clock offset: -4.972 ms  
Remote clock offset: -6.129 ms

# Below is generated by plot.py at 2018-05-22 06:43:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.60 Mbit/s  
95th percentile per-packet one-way delay: 3.707 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 55.08 Mbit/s  
95th percentile per-packet one-way delay: 2.748 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 39.18 Mbit/s  
95th percentile per-packet one-way delay: 26.450 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 22.58 Mbit/s  
95th percentile per-packet one-way delay: 1.798 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

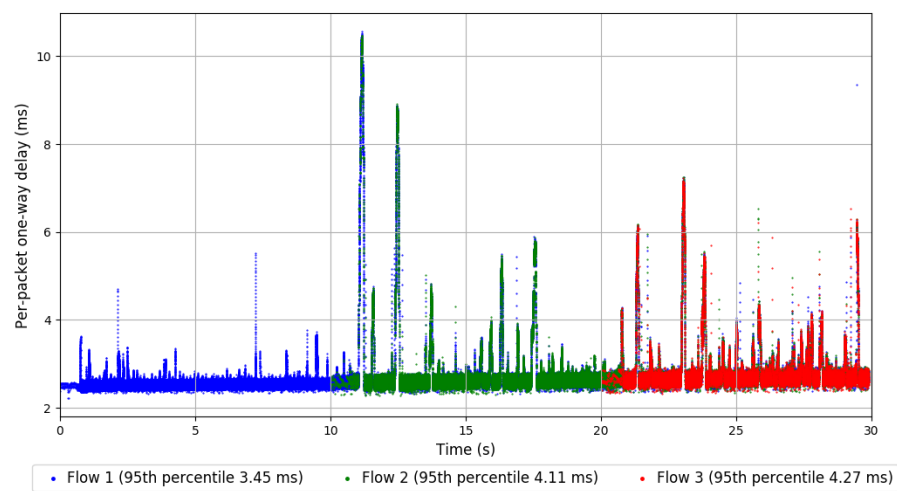
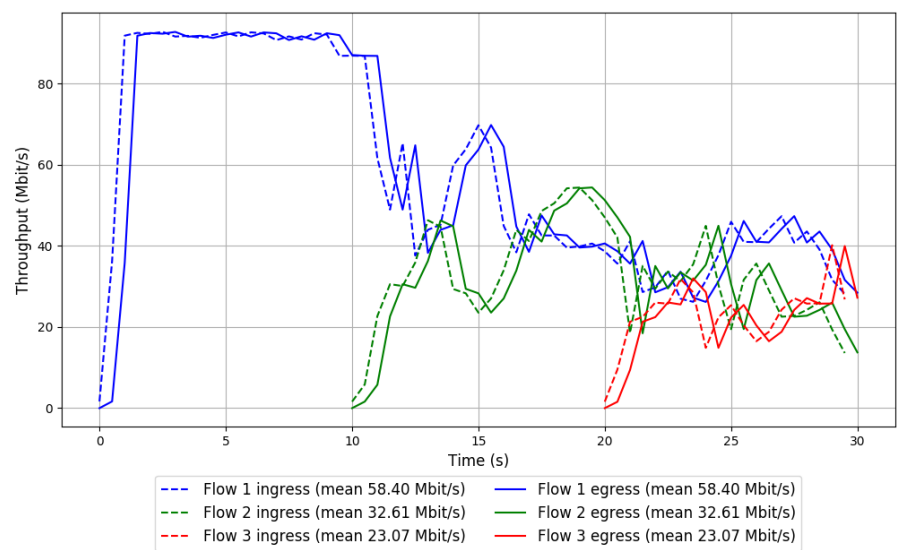


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 04:10:21  
End at: 2018-05-22 04:10:51  
Local clock offset: -0.244 ms  
Remote clock offset: -8.172 ms

# Below is generated by plot.py at 2018-05-22 06:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.70 Mbit/s  
95th percentile per-packet one-way delay: 3.728 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.40 Mbit/s  
95th percentile per-packet one-way delay: 3.449 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.61 Mbit/s  
95th percentile per-packet one-way delay: 4.107 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 23.07 Mbit/s  
95th percentile per-packet one-way delay: 4.268 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

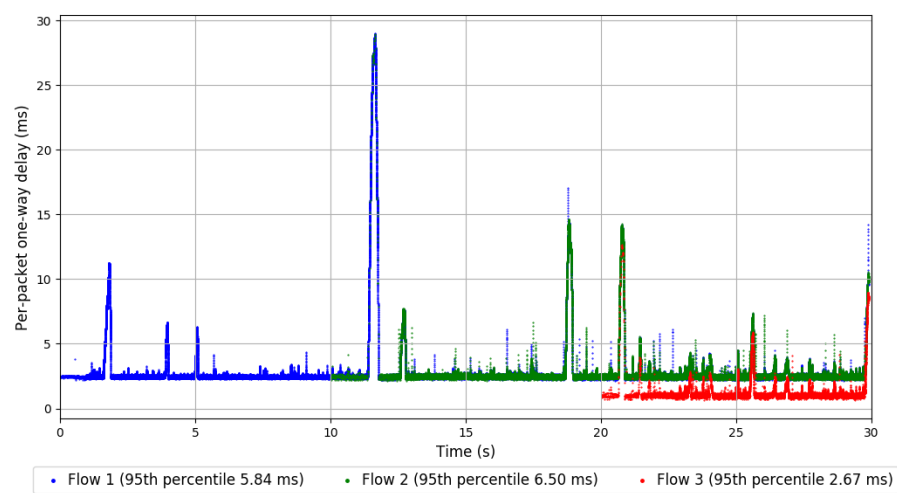
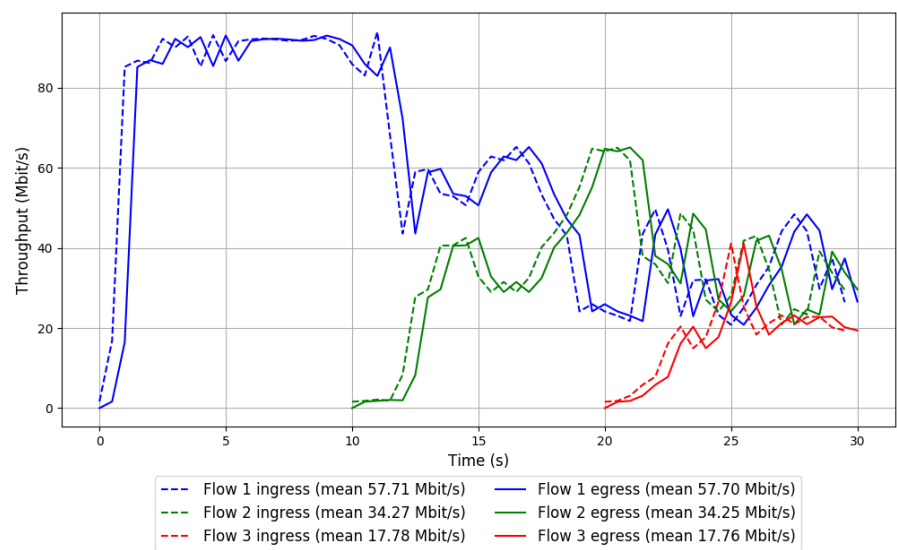


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 04:28:12  
End at: 2018-05-22 04:28:42  
Local clock offset: 2.149 ms  
Remote clock offset: -3.504 ms

# Below is generated by plot.py at 2018-05-22 06:43:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.34 Mbit/s  
95th percentile per-packet one-way delay: 5.724 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.70 Mbit/s  
95th percentile per-packet one-way delay: 5.839 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.25 Mbit/s  
95th percentile per-packet one-way delay: 6.498 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 17.76 Mbit/s  
95th percentile per-packet one-way delay: 2.665 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 04:46:04

End at: 2018-05-22 04:46:34

Local clock offset: 3.736 ms

Remote clock offset: -1.41 ms

# Below is generated by plot.py at 2018-05-22 06:44:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 3.386 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 3.265 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 2.531 ms

Loss rate: 0.00%

-- Flow 3:

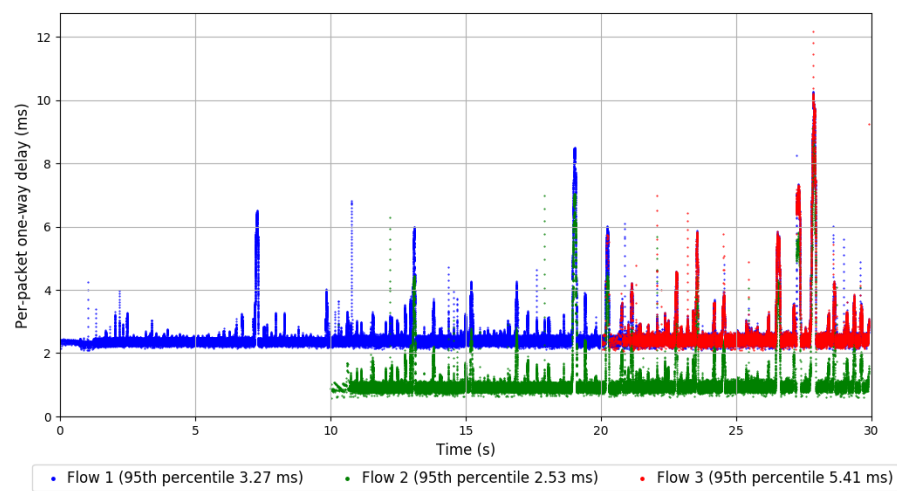
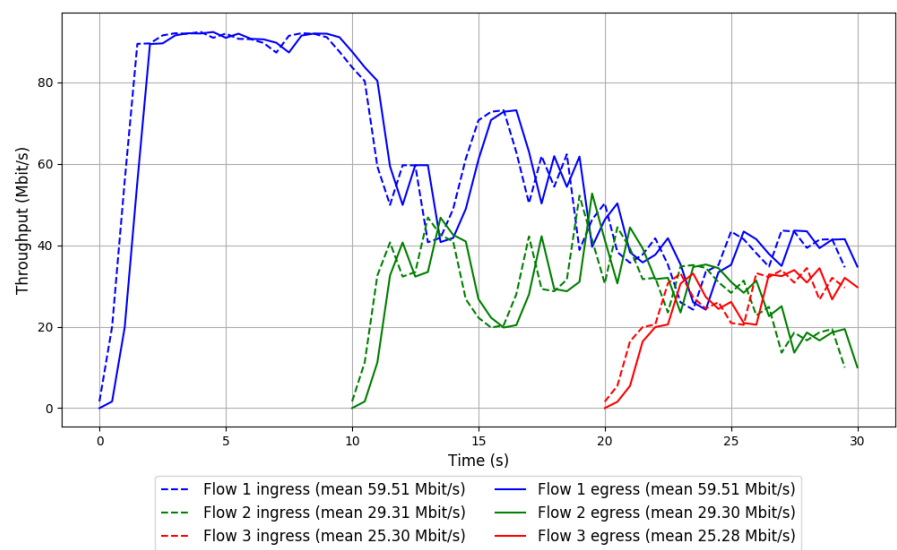
Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 5.409 ms

Loss rate: 0.00%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 05:03:55

End at: 2018-05-22 05:04:25

Local clock offset: -3.339 ms

Remote clock offset: 6.926 ms

# Below is generated by plot.py at 2018-05-22 06:44:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 3.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 3.513 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

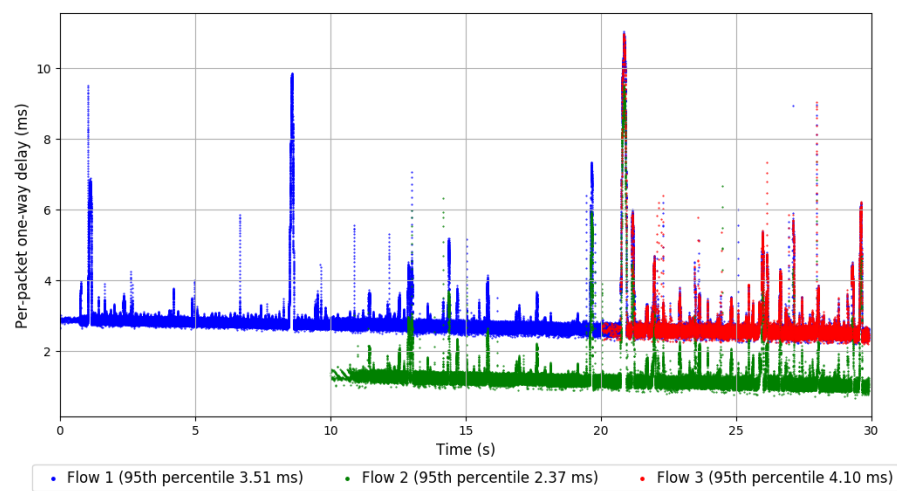
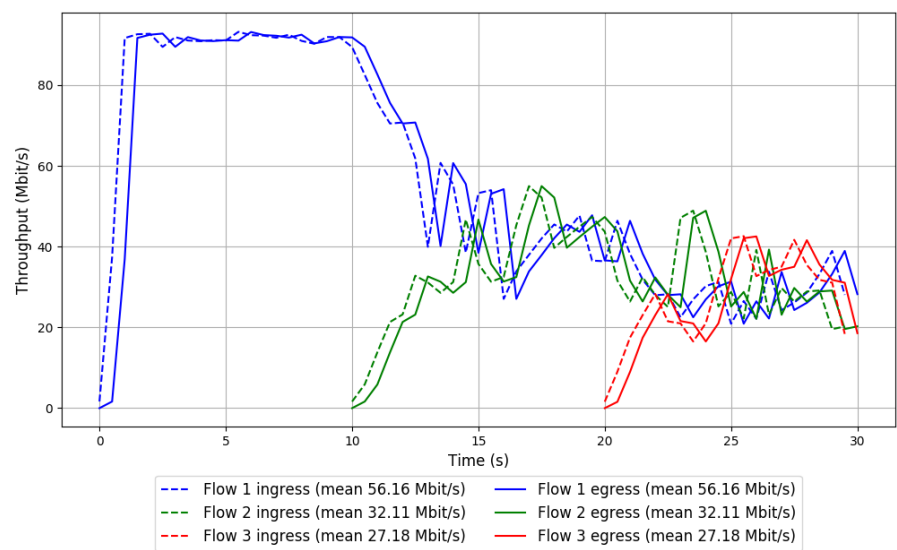
-- Flow 3:

Average throughput: 27.18 Mbit/s

95th percentile per-packet one-way delay: 4.104 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 05:21:47

End at: 2018-05-22 05:22:17

Local clock offset: -7.945 ms

Remote clock offset: 10.97 ms

# Below is generated by plot.py at 2018-05-22 06:44:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 3.609 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.31 Mbit/s

95th percentile per-packet one-way delay: 2.917 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.65 Mbit/s

95th percentile per-packet one-way delay: 8.716 ms

Loss rate: 0.00%

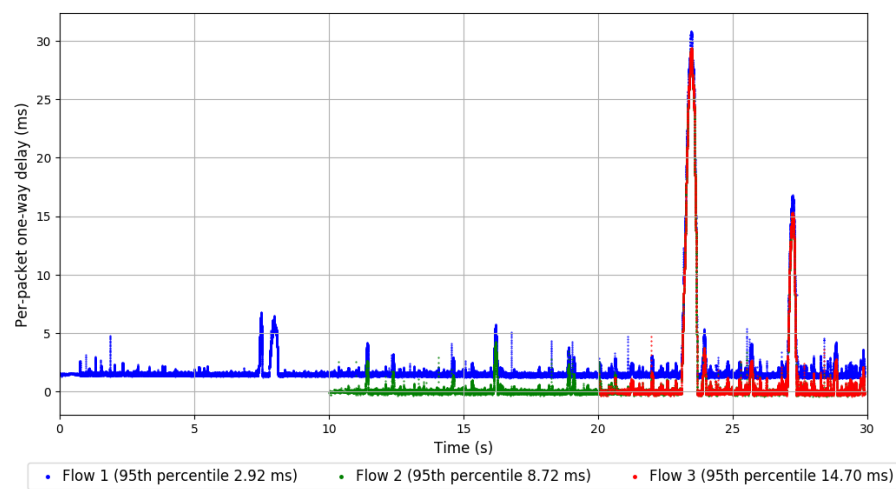
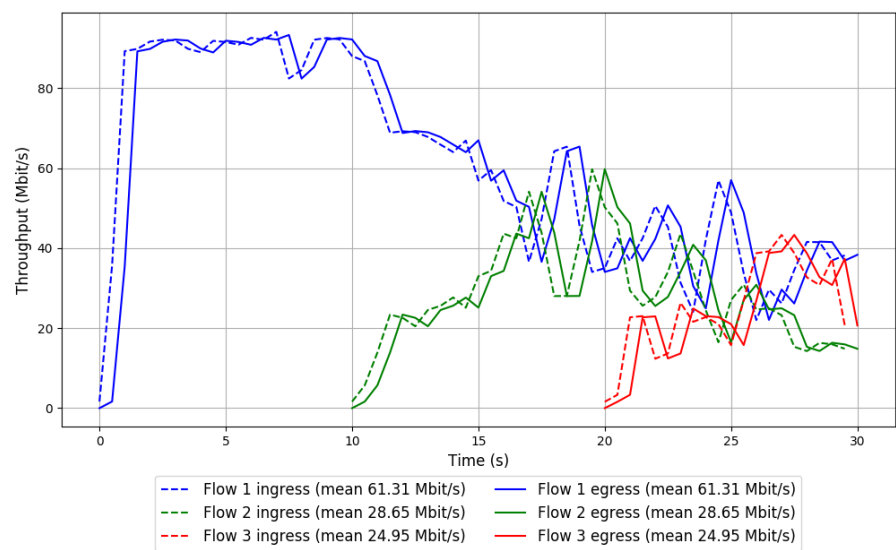
-- Flow 3:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 14.703 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

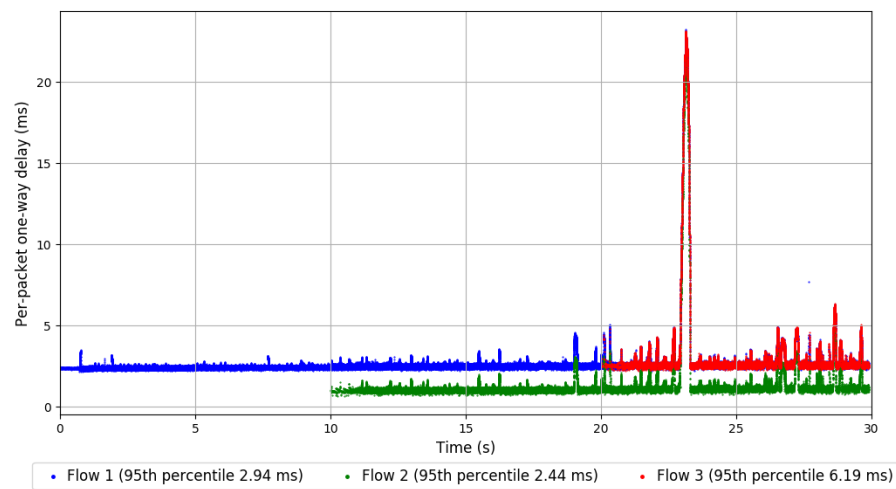
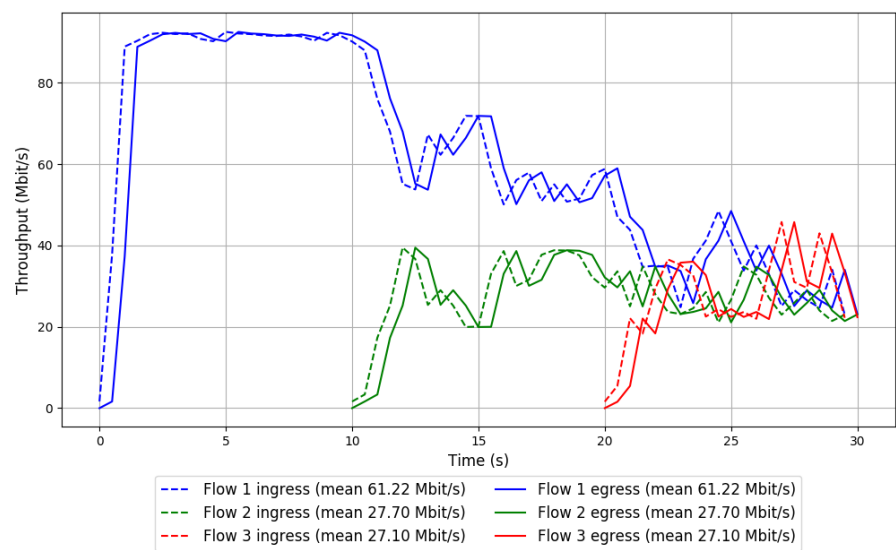


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 05:39:38  
End at: 2018-05-22 05:40:08  
Local clock offset: -7.572 ms  
Remote clock offset: -1.669 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.60 Mbit/s  
95th percentile per-packet one-way delay: 3.184 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 61.22 Mbit/s  
95th percentile per-packet one-way delay: 2.940 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.70 Mbit/s  
95th percentile per-packet one-way delay: 2.443 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.10 Mbit/s  
95th percentile per-packet one-way delay: 6.194 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



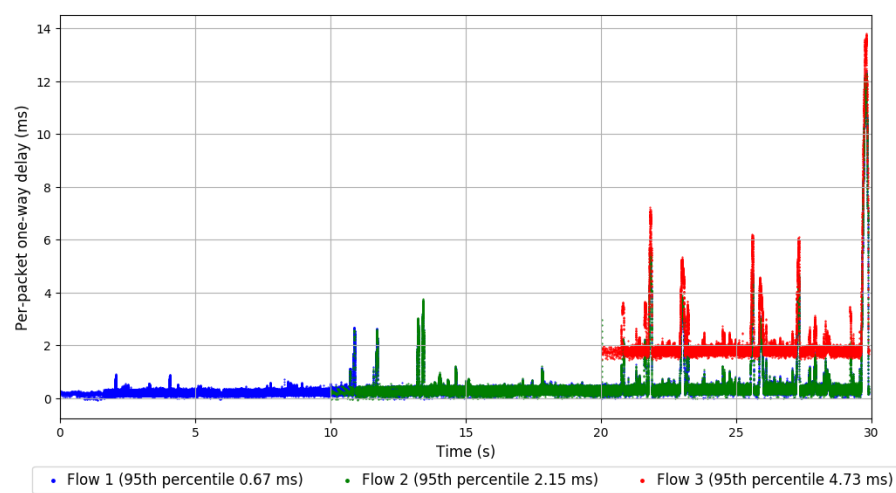
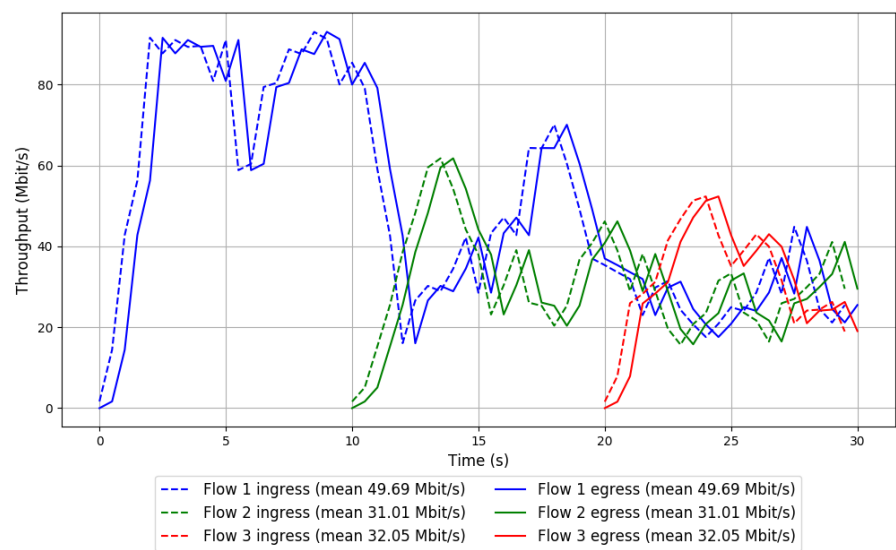
Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 05:57:29  
End at: 2018-05-22 05:57:59  
Local clock offset: -7.088 ms  
Remote clock offset: -4.532 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.90 Mbit/s  
95th percentile per-packet one-way delay: 2.084 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 49.69 Mbit/s  
95th percentile per-packet one-way delay: 0.673 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.01 Mbit/s  
95th percentile per-packet one-way delay: 2.146 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.05 Mbit/s  
95th percentile per-packet one-way delay: 4.728 ms  
Loss rate: 0.00%



Run 9: Report of PCC-Vivace — Data Link

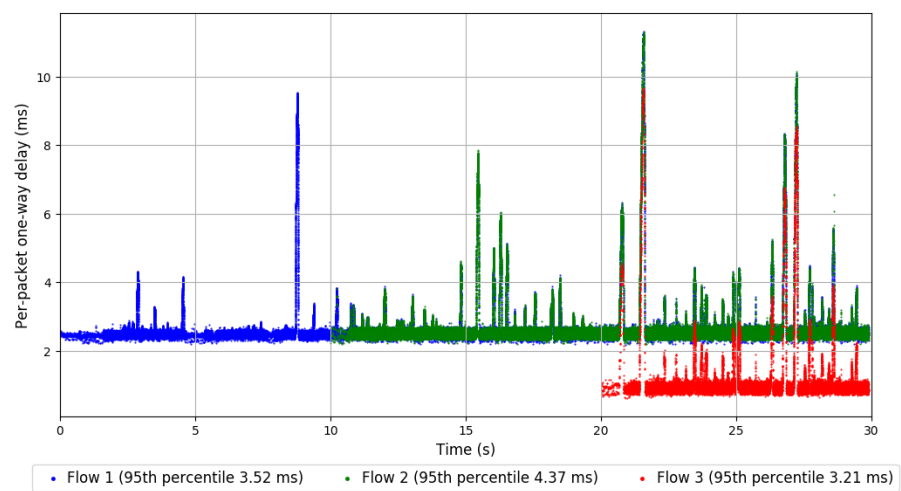
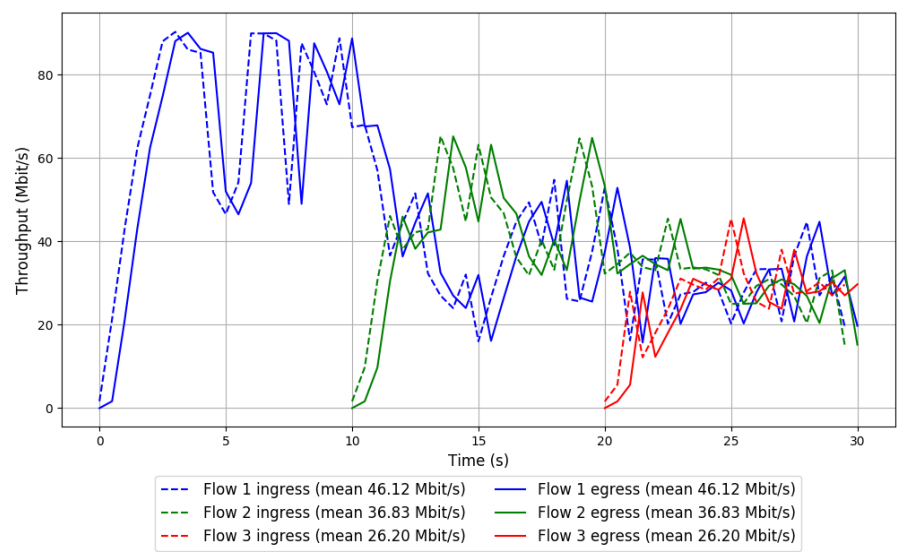


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 06:19:36  
End at: 2018-05-22 06:20:06  
Local clock offset: -6.786 ms  
Remote clock offset: -3.492 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.27 Mbit/s  
95th percentile per-packet one-way delay: 3.753 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.12 Mbit/s  
95th percentile per-packet one-way delay: 3.525 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.83 Mbit/s  
95th percentile per-packet one-way delay: 4.372 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.20 Mbit/s  
95th percentile per-packet one-way delay: 3.211 ms  
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

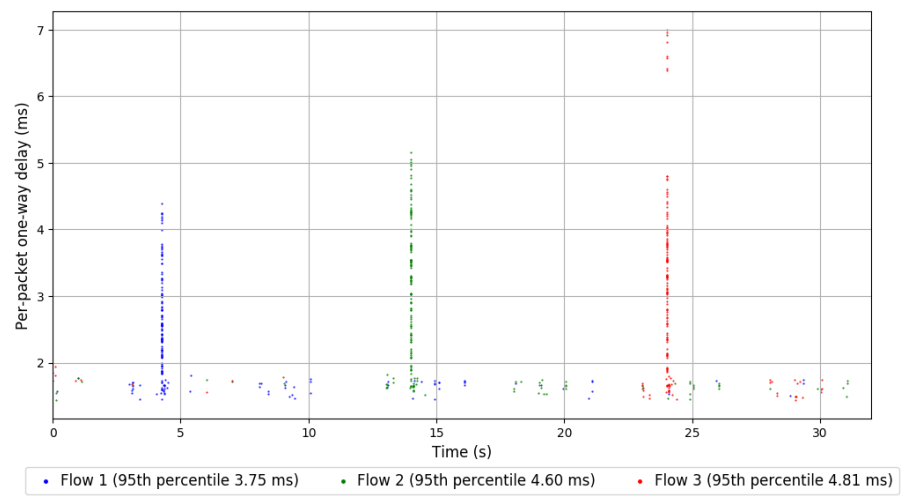
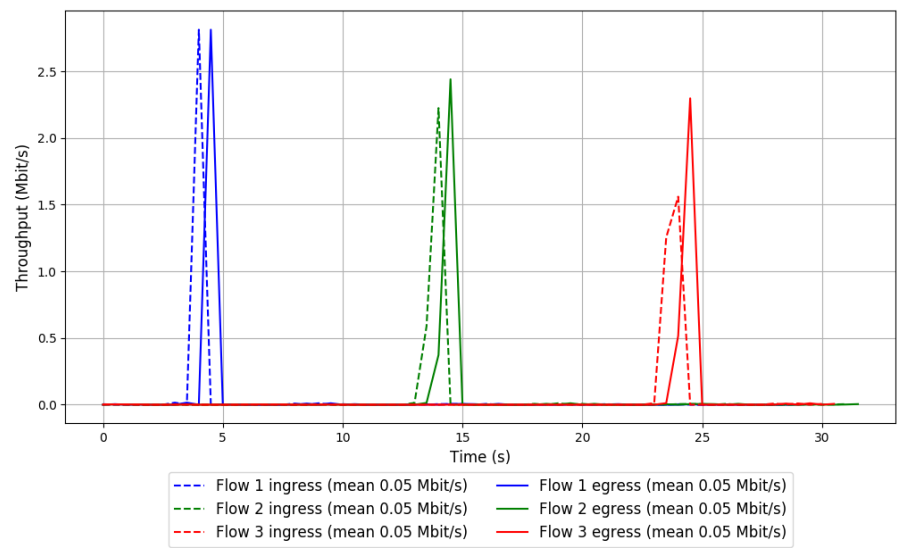


Run 1: Statistics of WebRTC media

Start at: 2018-05-22 03:25:50  
End at: 2018-05-22 03:26:20  
Local clock offset: -6.106 ms  
Remote clock offset: -2.474 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 4.523 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.755 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.603 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.806 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

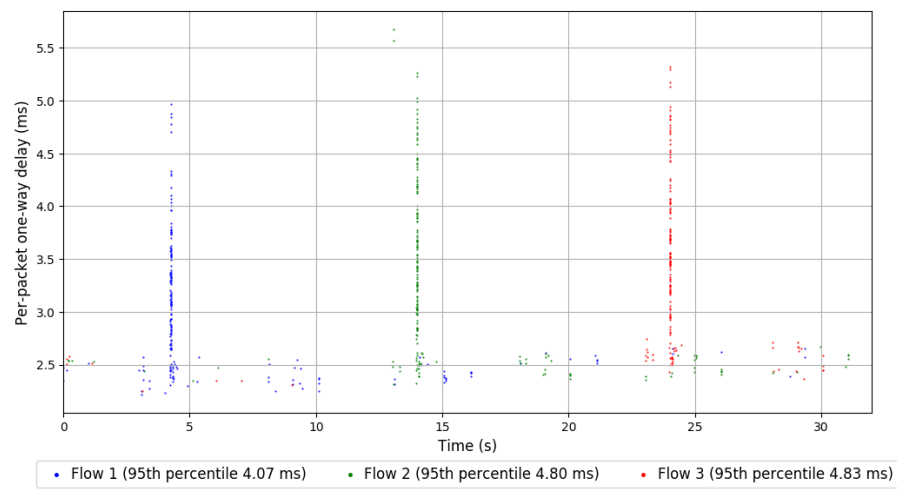
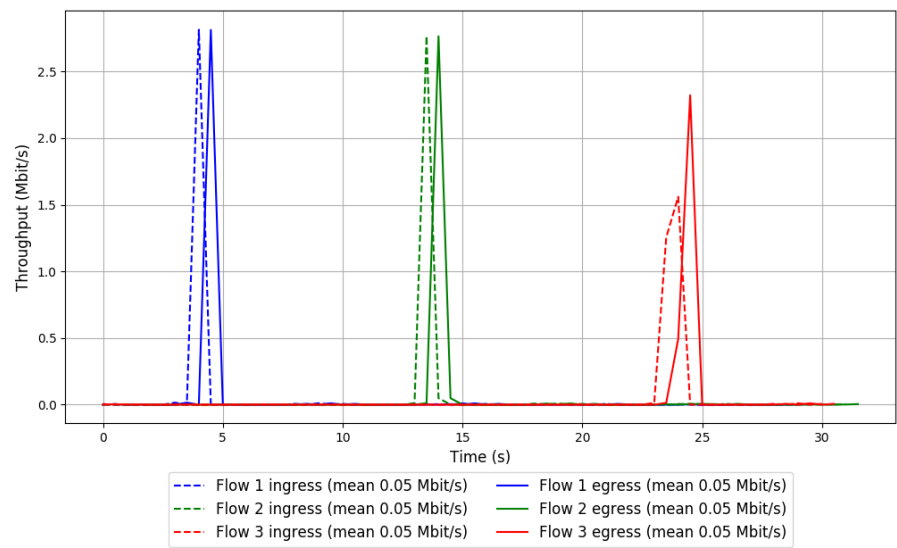


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 03:43:41  
End at: 2018-05-22 03:44:11  
Local clock offset: -5.767 ms  
Remote clock offset: -3.683 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 4.738 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.070 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.796 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.829 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



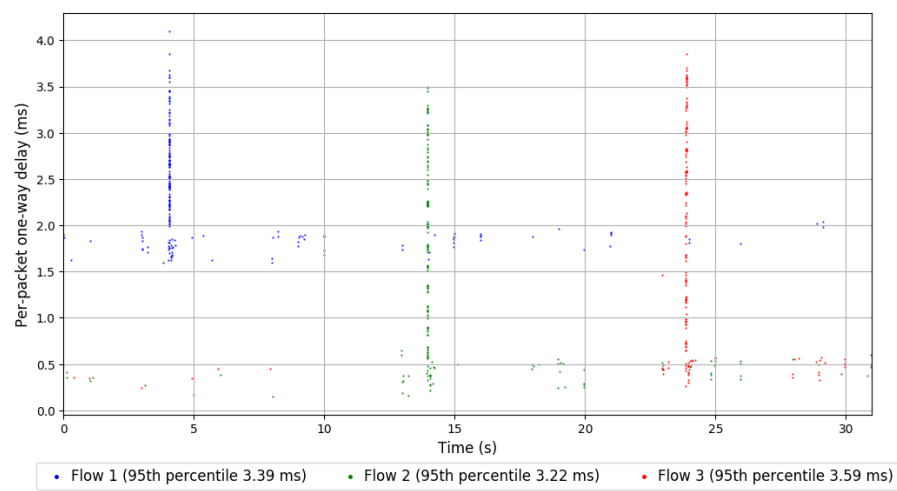
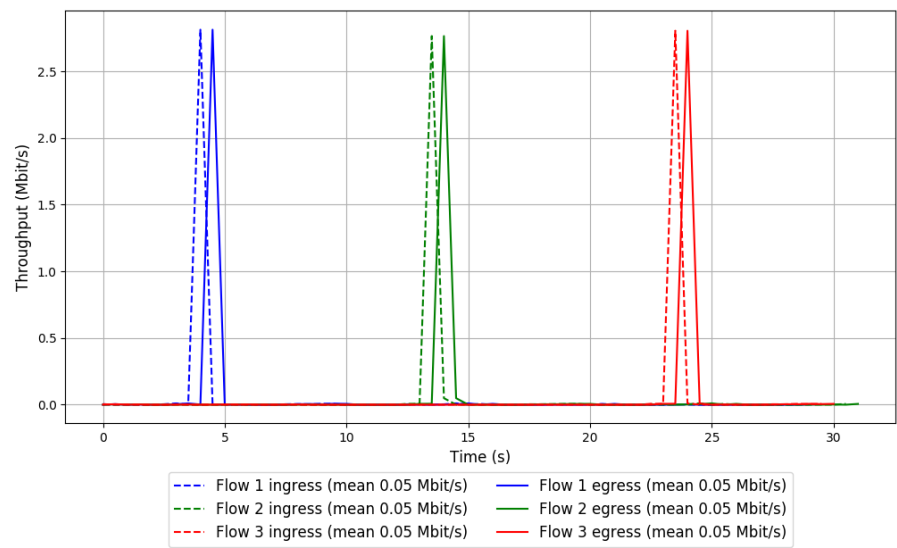
Run 3: Statistics of WebRTC media

Start at: 2018-05-22 04:01:32  
End at: 2018-05-22 04:02:02  
Local clock offset: -2.173 ms  
Remote clock offset: -7.426 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 3.447 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.393 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.220 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.588 ms  
Loss rate: 0.00%



Run 3: Report of WebRTC media — Data Link

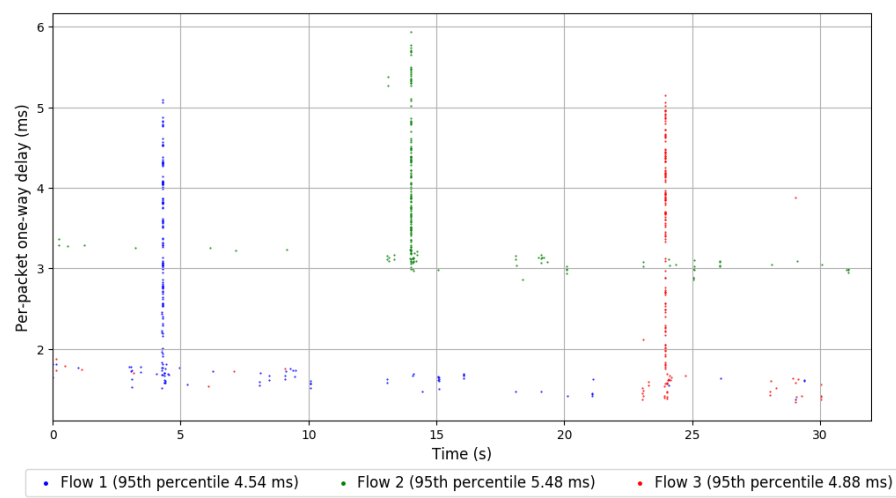
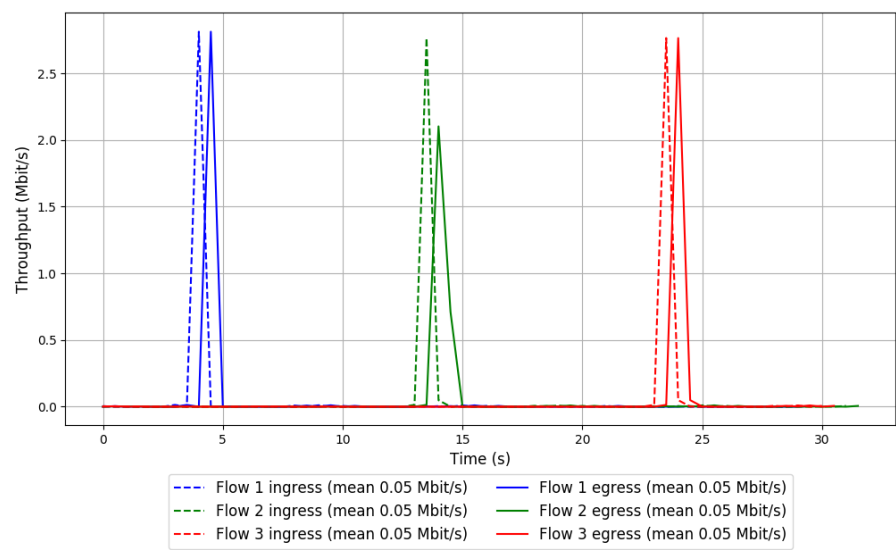


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 04:19:23  
End at: 2018-05-22 04:19:53  
Local clock offset: 0.379 ms  
Remote clock offset: -6.324 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 5.062 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.541 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 5.479 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.883 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

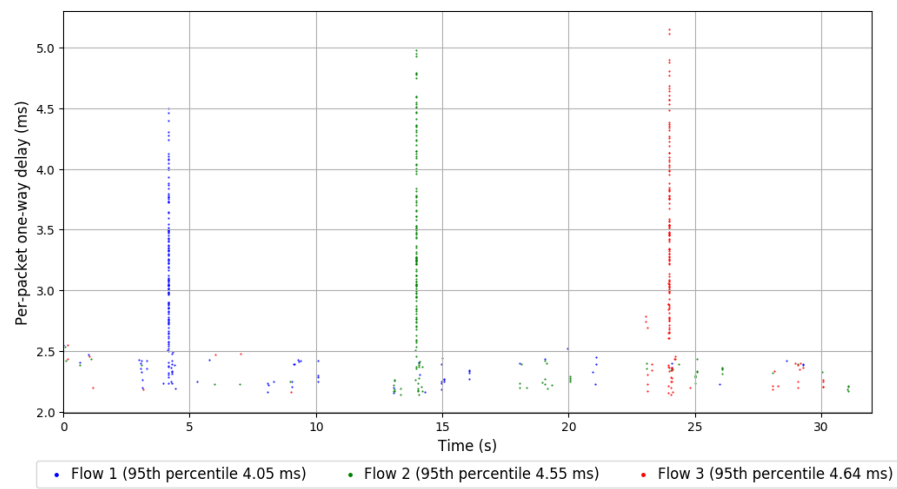
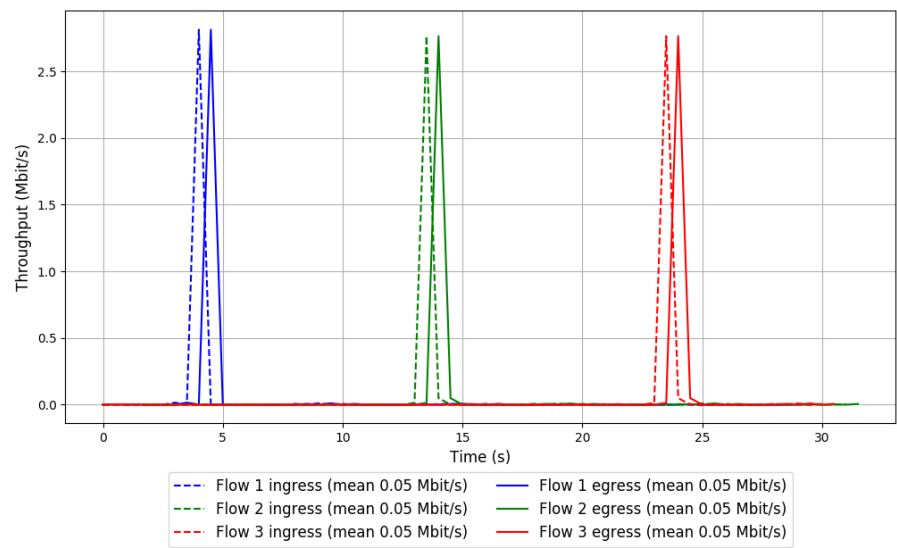


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 04:37:15  
End at: 2018-05-22 04:37:45  
Local clock offset: 2.976 ms  
Remote clock offset: -2.165 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 4.483 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.049 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.551 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.645 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-22 04:55:06

End at: 2018-05-22 04:55:36

Local clock offset: 4.46 ms

Remote clock offset: 3.158 ms

# Below is generated by plot.py at 2018-05-22 06:44:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.576 ms

Loss rate: 0.00%

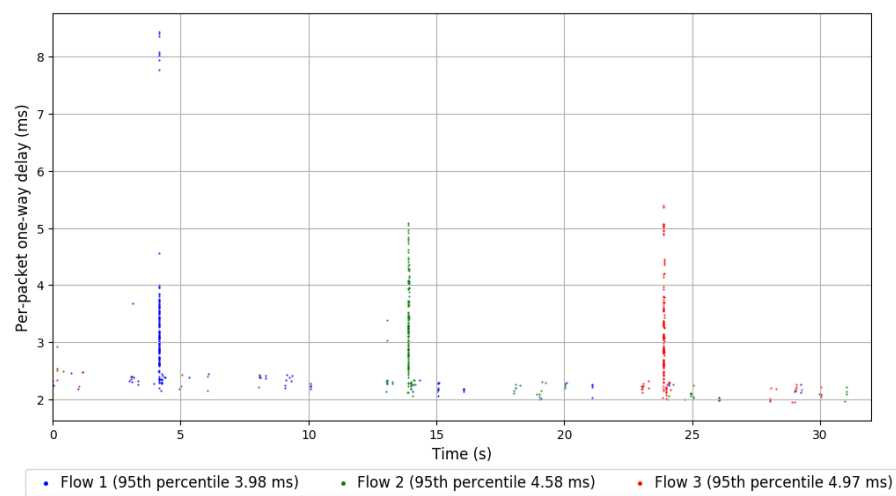
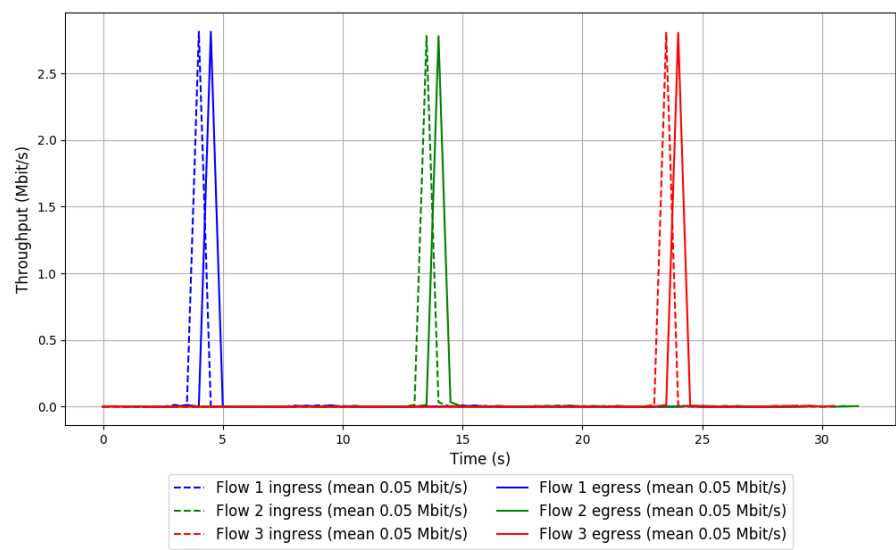
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.967 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-22 05:12:58

End at: 2018-05-22 05:13:28

Local clock offset: -7.414 ms

Remote clock offset: 9.279 ms

# Below is generated by plot.py at 2018-05-22 06:44:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.921 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.852 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.225 ms

Loss rate: 0.00%

-- Flow 3:

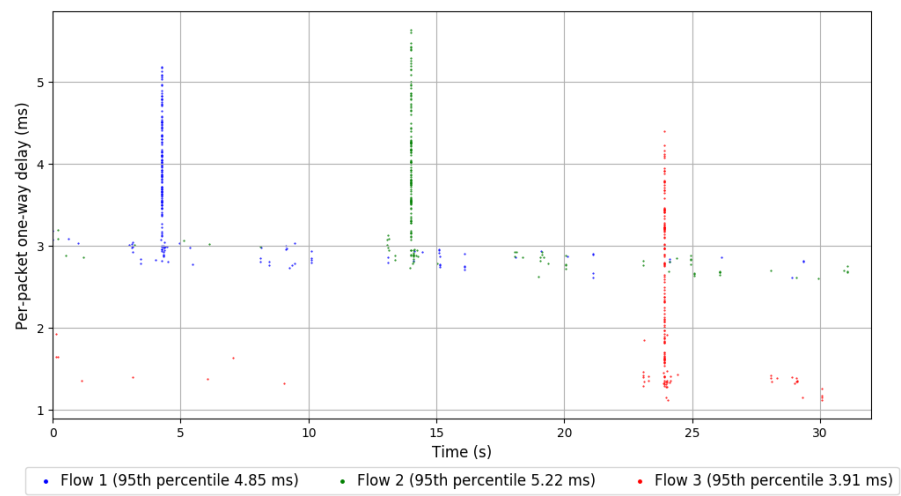
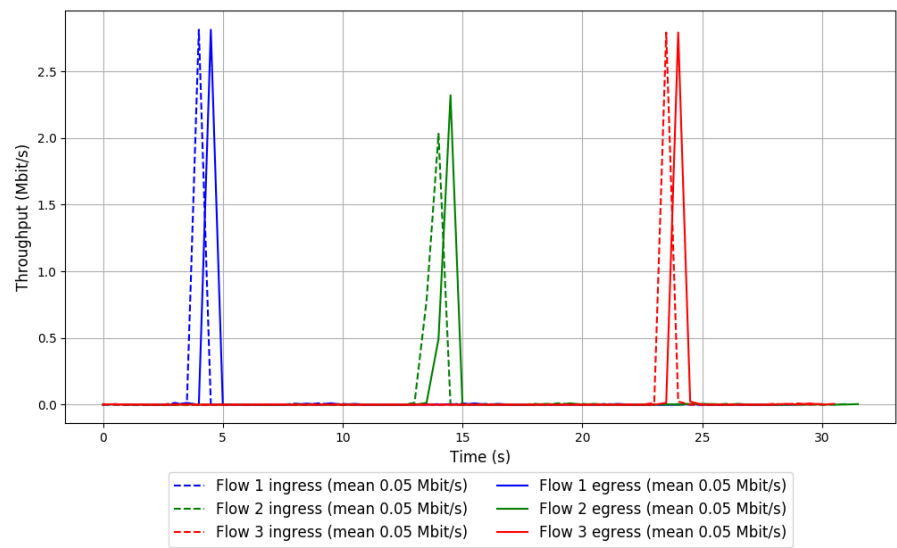
Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.914 ms

Loss rate: 0.00%



Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 05:30:49

End at: 2018-05-22 05:31:19

Local clock offset: -9.255 ms

Remote clock offset: 2.964 ms

# Below is generated by plot.py at 2018-05-22 06:44:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 9.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.969 ms

Loss rate: 0.00%

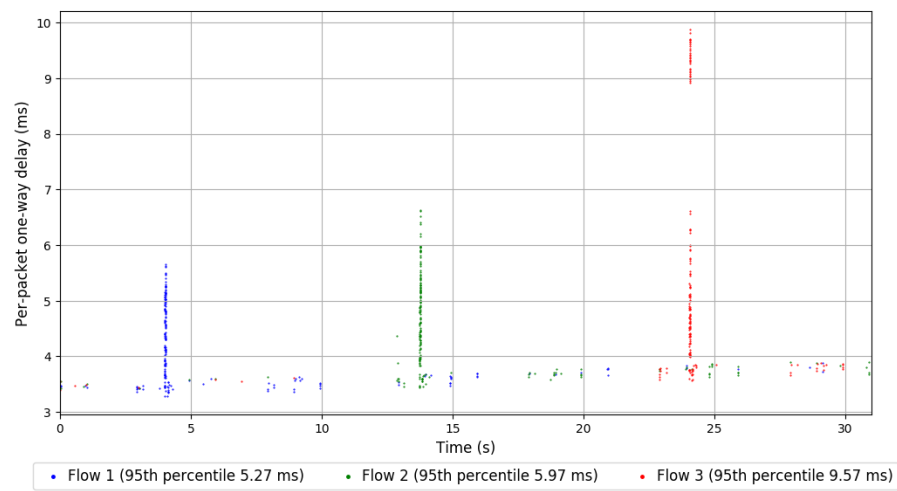
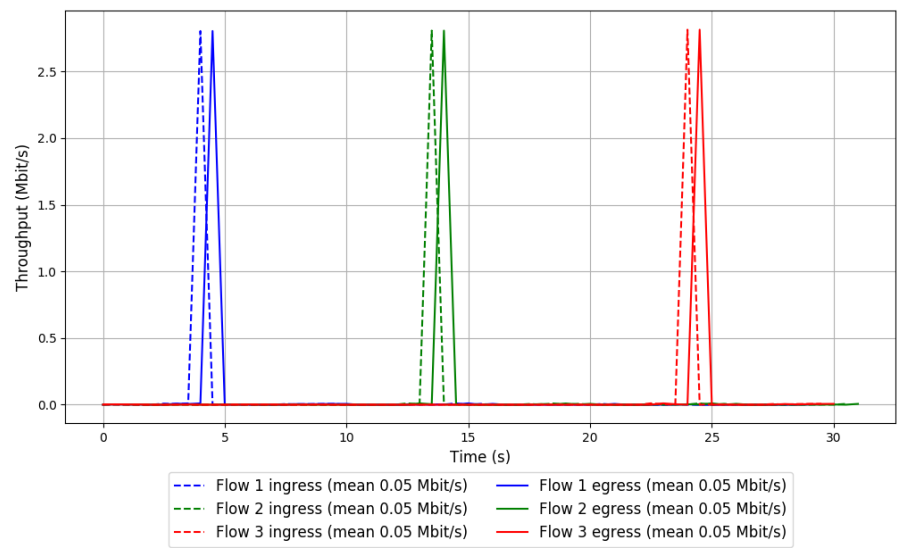
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.574 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

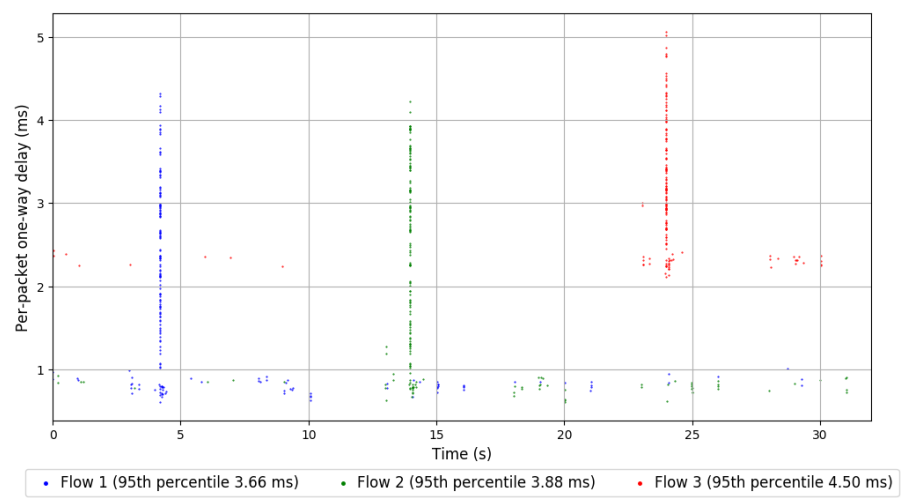
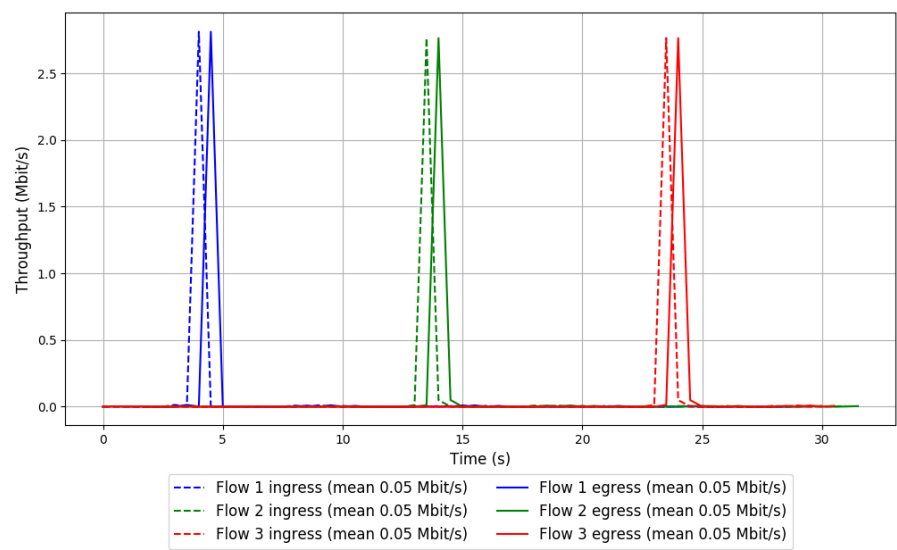


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 05:48:41  
End at: 2018-05-22 05:49:11  
Local clock offset: -7.686 ms  
Remote clock offset: -3.632 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 4.092 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.660 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 3.879 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.504 ms  
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 06:06:32  
End at: 2018-05-22 06:07:02  
Local clock offset: -6.847 ms  
Remote clock offset: -3.642 ms

# Below is generated by plot.py at 2018-05-22 06:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 5.548 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.001 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 5.364 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 6.048 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

