

## Pantheon Report

Generated at 2018-07-12 11:02:11 (UTC).

Data path: GCE London Ethernet (*local*) → GCE Iowa Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

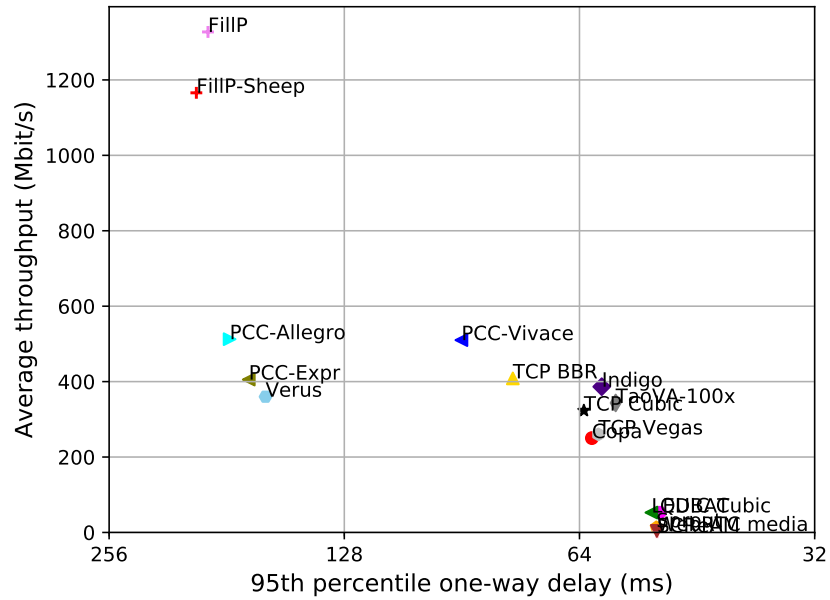
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

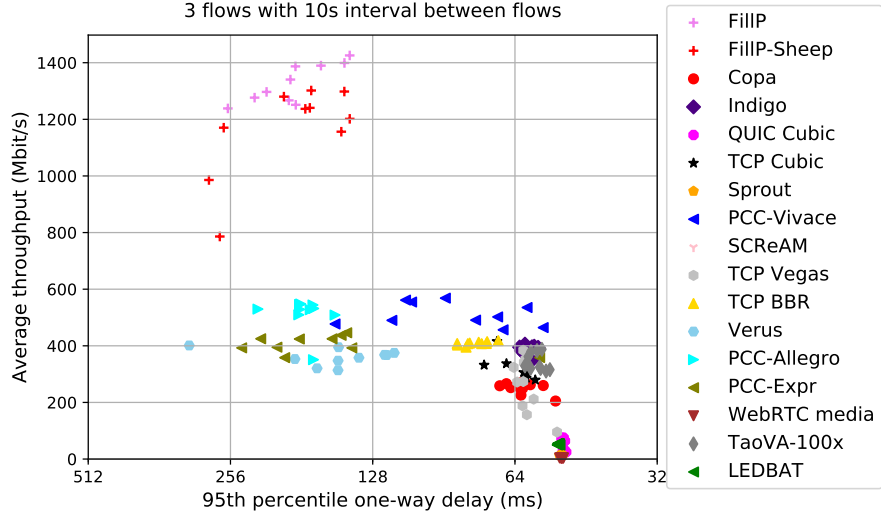
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Iowa, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Iowa, 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	210.85	203.72	186.39	75.81	77.90	80.98	0.04	0.09	0.18
Copa	10	139.44	115.78	104.87	62.47	57.76	60.51	0.00	0.00	0.00
TCP Cubic	10	190.32	153.56	91.95	63.14	60.70	61.11	0.04	0.02	0.07
FillP	10	707.55	678.61	506.74	186.31	181.32	167.37	3.61	4.57	3.91
FillP-Sheep	10	582.75	608.85	537.10	204.84	178.70	137.86	5.13	3.77	3.08
Indigo	10	204.97	196.21	158.77	58.93	60.17	61.86	0.01	0.01	0.09
LEDBAT	10	34.66	22.04	10.42	51.91	51.64	51.25	0.00	0.00	0.00
PCC-Allegro	10	434.49	100.43	34.15	180.02	169.34	141.78	1.09	0.94	0.85
PCC-Expr	10	248.68	200.27	71.31	180.37	150.63	104.31	2.04	0.99	1.28
QUIC Cubic	10	26.60	30.95	18.82	50.44	50.48	50.35	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	50.91	50.68	50.30	0.00	0.00	0.00
Sprout	10	6.92	6.85	6.55	51.04	50.99	51.03	0.00	0.00	0.00
TaoVA-100x	10	203.88	145.98	128.63	56.29	56.05	60.77	0.00	0.07	0.03
TCP Vegas	10	161.75	111.39	72.45	59.16	58.01	57.18	0.01	0.02	0.09
Verus	10	205.91	174.36	117.14	135.12	173.68	152.51	1.23	3.39	0.99
PCC-Vivace	10	297.65	265.09	109.31	88.73	94.98	53.69	0.04	0.01	0.00
WebRTC media	10	2.13	1.36	0.55	50.92	50.92	50.77	0.01	0.00	0.01

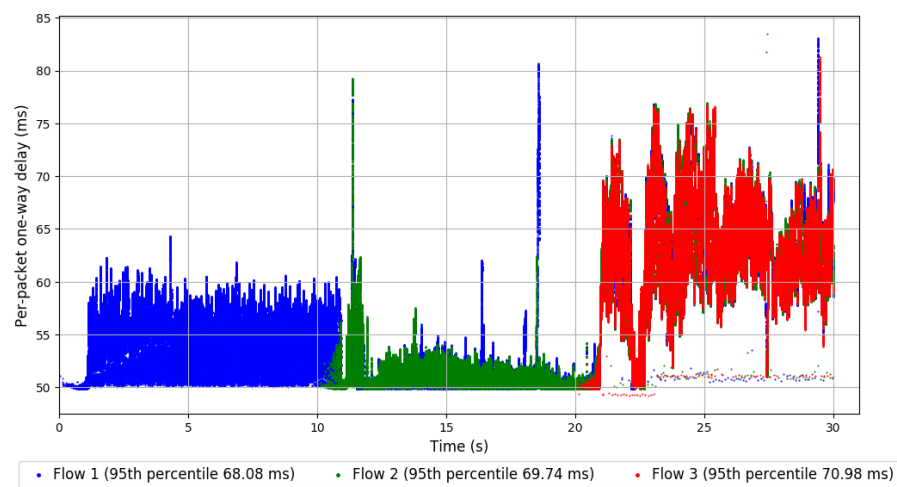
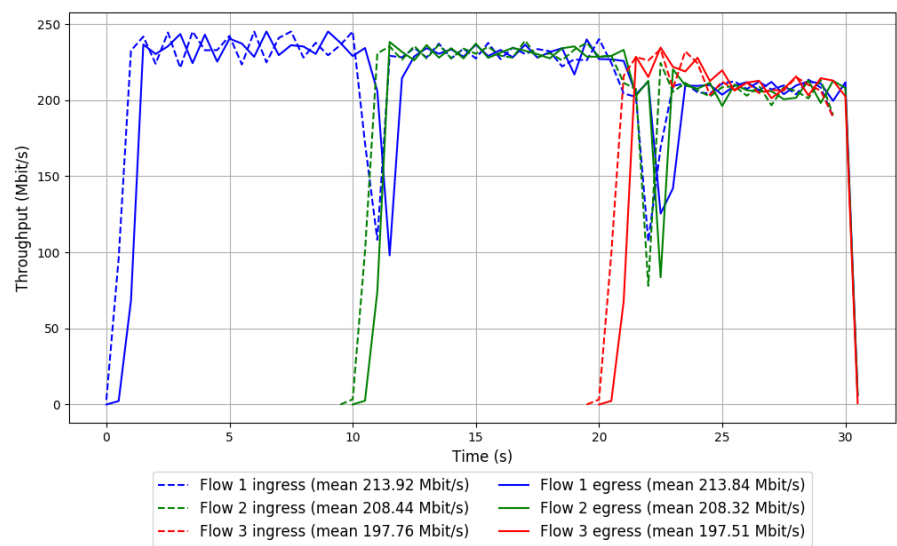
Run 1: Statistics of TCP BBR

Start at: 2018-07-12 03:48:51  
End at: 2018-07-12 03:49:21  
Local clock offset: -0.442 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-12 08:26:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 418.39 Mbit/s  
95th percentile per-packet one-way delay: 69.420 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 213.84 Mbit/s  
95th percentile per-packet one-way delay: 68.079 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 208.32 Mbit/s  
95th percentile per-packet one-way delay: 69.736 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 197.51 Mbit/s  
95th percentile per-packet one-way delay: 70.984 ms  
Loss rate: 0.11%



Run 1: Report of TCP BBR — Data Link

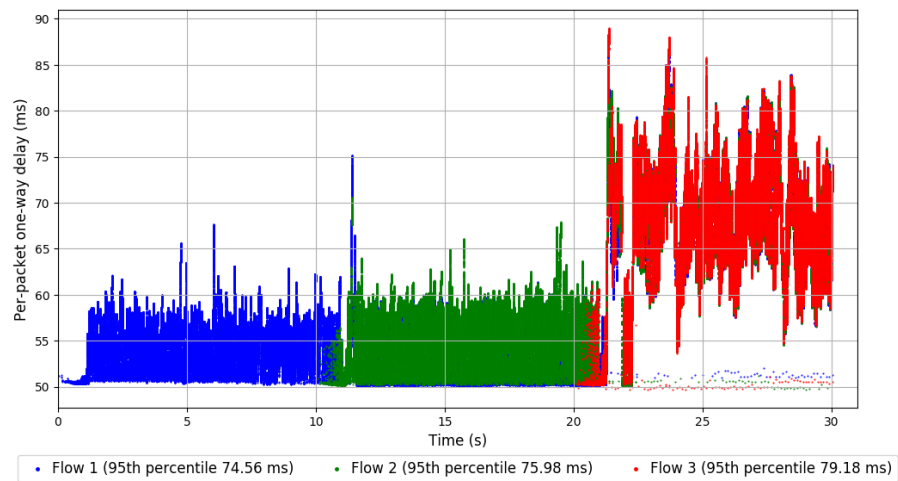
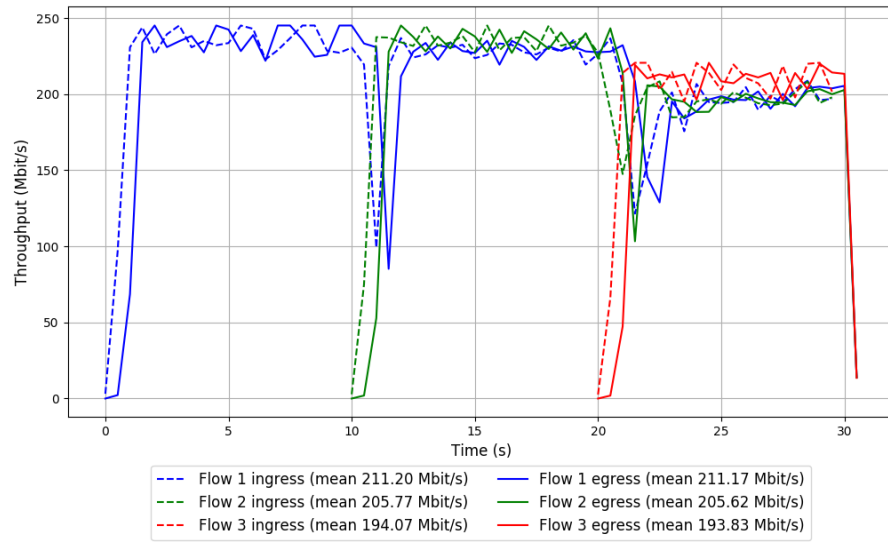


Run 2: Statistics of TCP BBR

Start at: 2018-07-12 04:14:06  
End at: 2018-07-12 04:14:36  
Local clock offset: -0.09 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-07-12 08:26:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 412.52 Mbit/s  
95th percentile per-packet one-way delay: 76.380 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 211.17 Mbit/s  
95th percentile per-packet one-way delay: 74.561 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 205.62 Mbit/s  
95th percentile per-packet one-way delay: 75.981 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 193.83 Mbit/s  
95th percentile per-packet one-way delay: 79.184 ms  
Loss rate: 0.14%

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



Run 3: Statistics of TCP BBR

Start at: 2018-07-12 04:39:16

End at: 2018-07-12 04:39:46

Local clock offset: -0.112 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-07-12 08:26:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 414.82 Mbit/s

95th percentile per-packet one-way delay: 73.291 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 214.09 Mbit/s

95th percentile per-packet one-way delay: 71.550 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 204.11 Mbit/s

95th percentile per-packet one-way delay: 73.734 ms

Loss rate: 0.09%

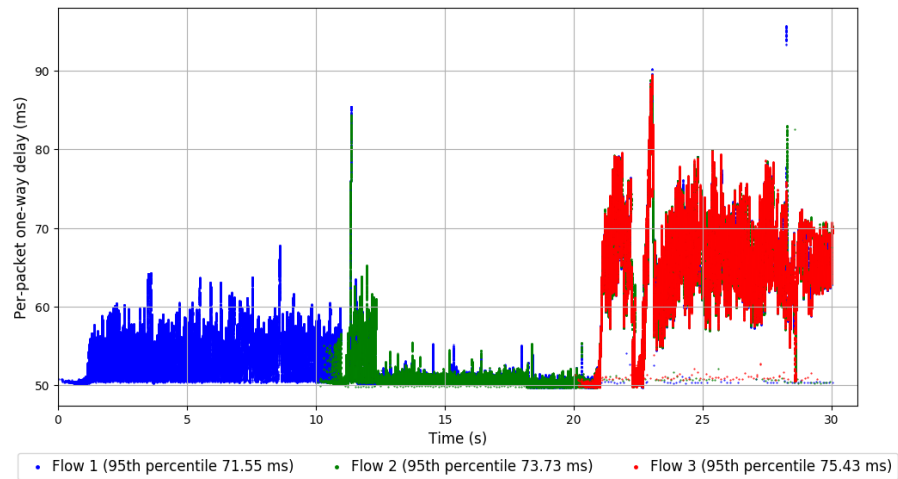
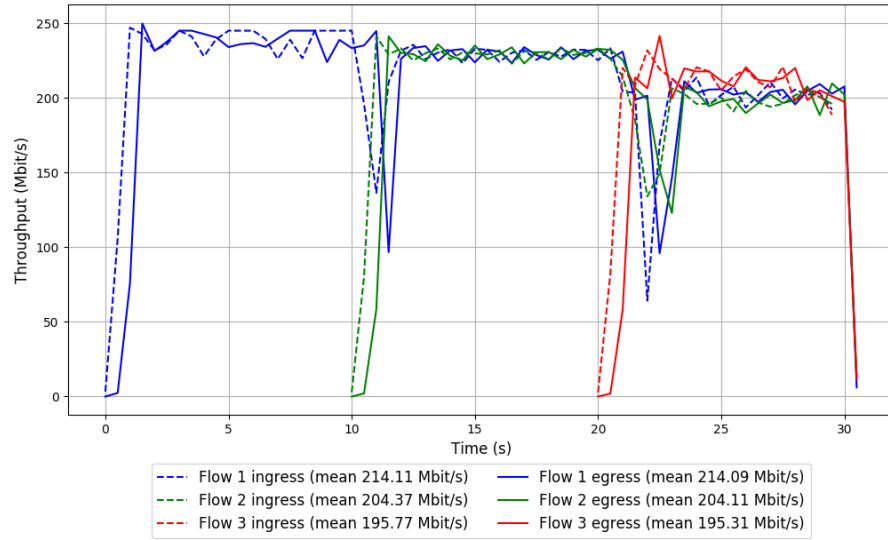
-- Flow 3:

Average throughput: 195.31 Mbit/s

95th percentile per-packet one-way delay: 75.430 ms

Loss rate: 0.18%

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



Run 4: Statistics of TCP BBR

Start at: 2018-07-12 05:04:41

End at: 2018-07-12 05:05:11

Local clock offset: -0.126 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 08:26:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 409.70 Mbit/s

95th percentile per-packet one-way delay: 79.806 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 210.80 Mbit/s

95th percentile per-packet one-way delay: 77.545 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 204.32 Mbit/s

95th percentile per-packet one-way delay: 80.265 ms

Loss rate: 0.07%

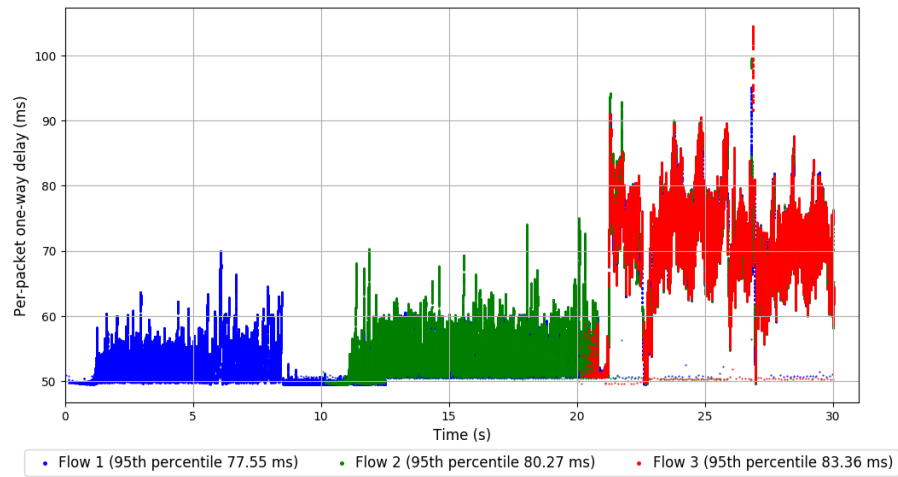
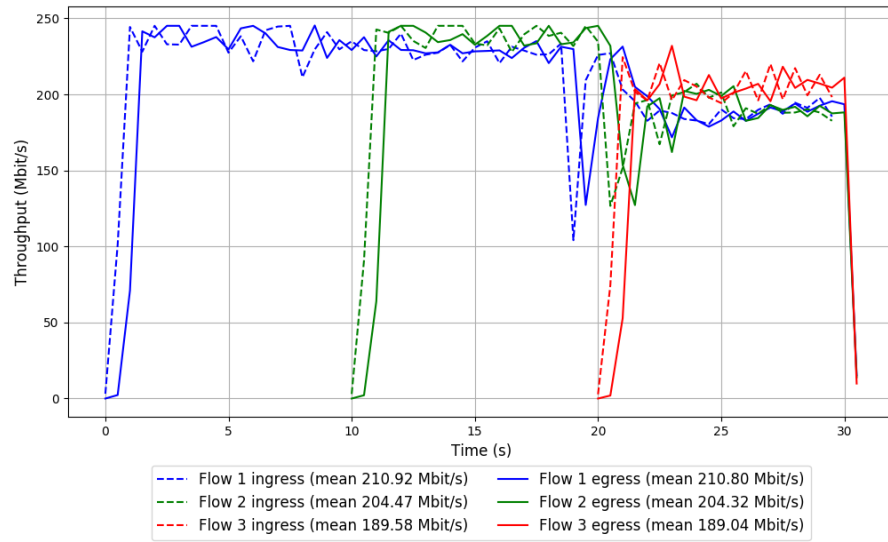
-- Flow 3:

Average throughput: 189.04 Mbit/s

95th percentile per-packet one-way delay: 83.359 ms

Loss rate: 0.27%

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



Run 5: Statistics of TCP BBR

Start at: 2018-07-12 05:30:04

End at: 2018-07-12 05:30:34

Local clock offset: 0.296 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-07-12 08:26:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 395.24 Mbit/s

95th percentile per-packet one-way delay: 81.210 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 204.53 Mbit/s

95th percentile per-packet one-way delay: 79.628 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 198.15 Mbit/s

95th percentile per-packet one-way delay: 80.440 ms

Loss rate: 0.11%

-- Flow 3:

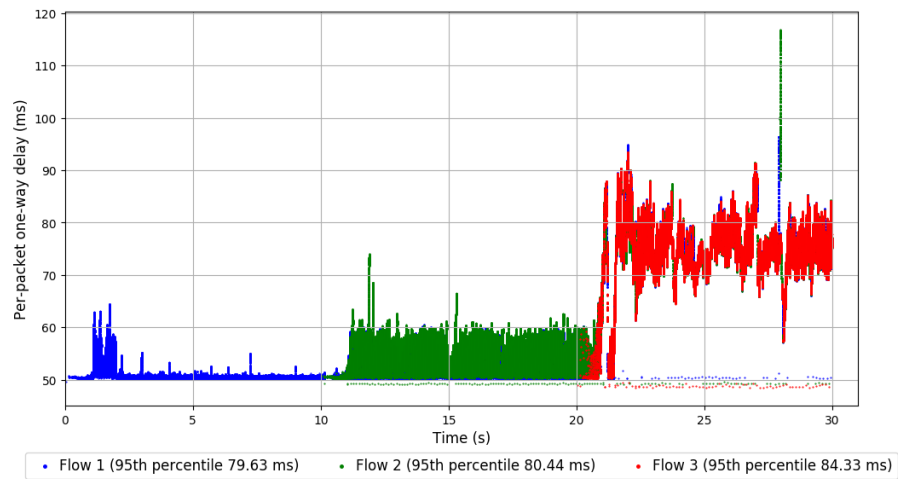
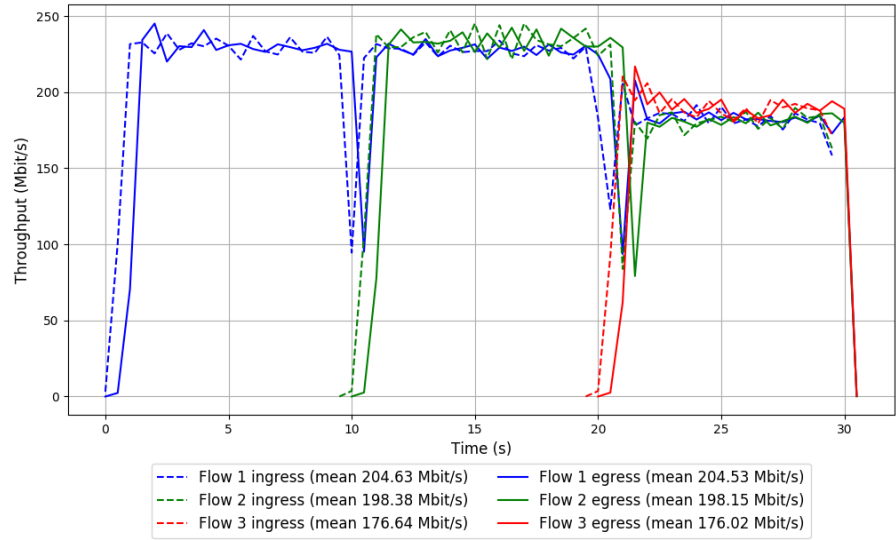
Average throughput: 176.02 Mbit/s

95th percentile per-packet one-way delay: 84.335 ms

Loss rate: 0.19%



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



Run 6: Statistics of TCP BBR

Start at: 2018-07-12 05:55:17

End at: 2018-07-12 05:55:47

Local clock offset: -0.1 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-12 08:26:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 402.67 Mbit/s

95th percentile per-packet one-way delay: 84.654 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 211.52 Mbit/s

95th percentile per-packet one-way delay: 82.719 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 197.70 Mbit/s

95th percentile per-packet one-way delay: 84.279 ms

Loss rate: 0.11%

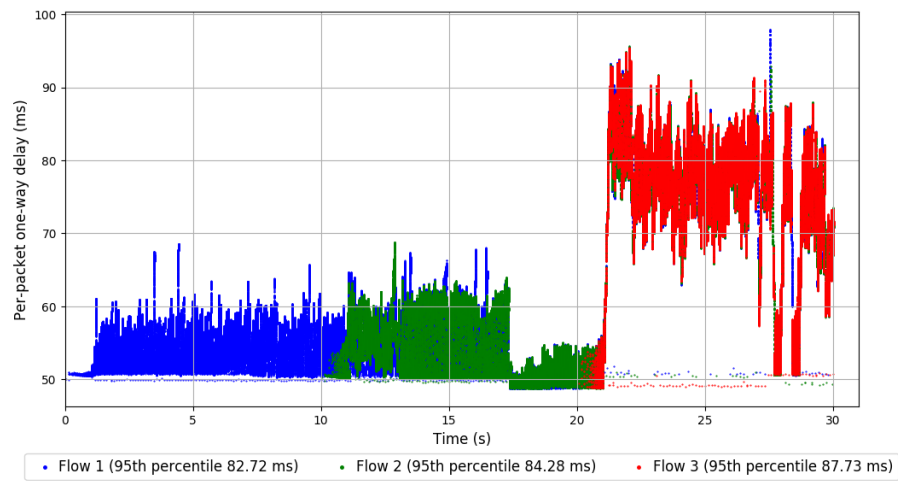
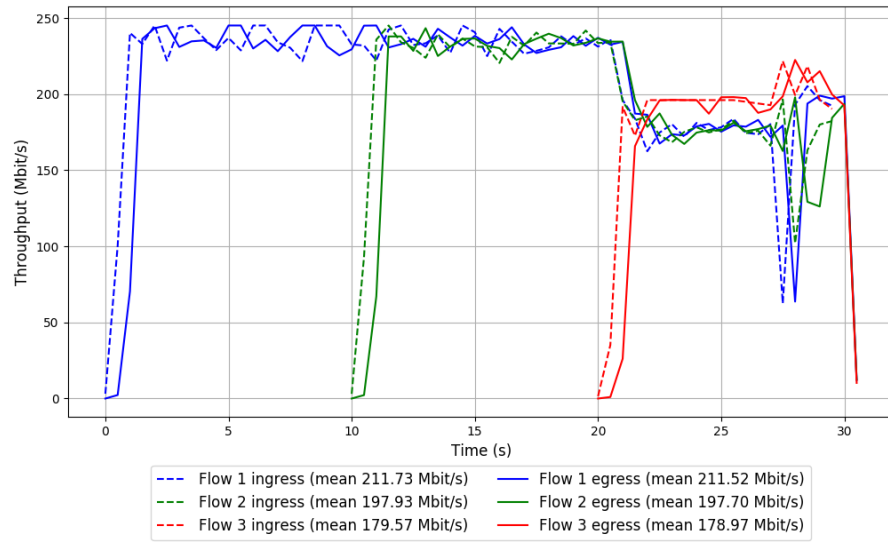
-- Flow 3:

Average throughput: 178.97 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 0.33%

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



Run 7: Statistics of TCP BBR

Start at: 2018-07-12 06:20:01

End at: 2018-07-12 06:20:31

Local clock offset: -0.123 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-12 08:26:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 407.69 Mbit/s

95th percentile per-packet one-way delay: 75.275 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 209.50 Mbit/s

95th percentile per-packet one-way delay: 72.939 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 205.21 Mbit/s

95th percentile per-packet one-way delay: 75.880 ms

Loss rate: 0.01%

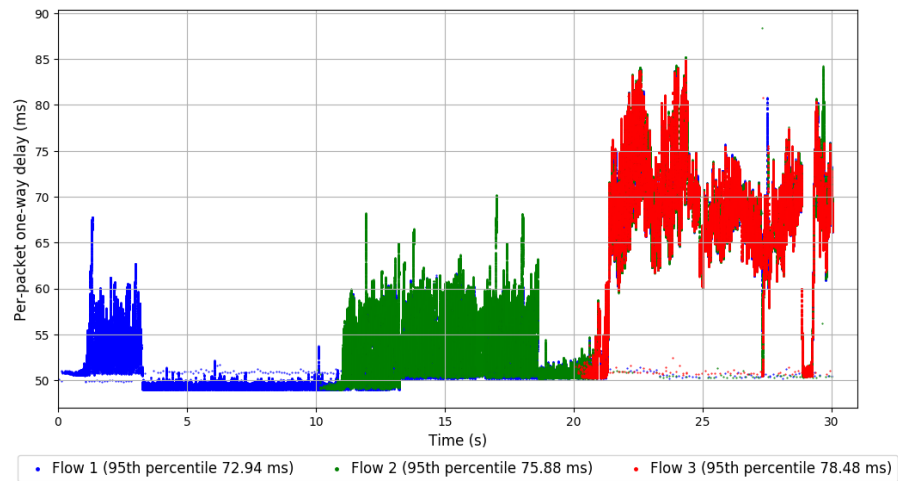
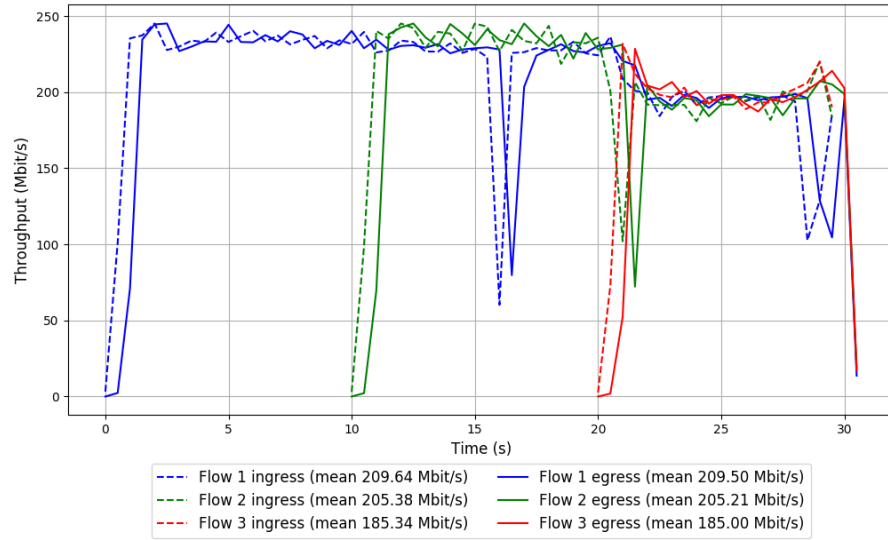
-- Flow 3:

Average throughput: 185.00 Mbit/s

95th percentile per-packet one-way delay: 78.476 ms

Loss rate: 0.03%

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

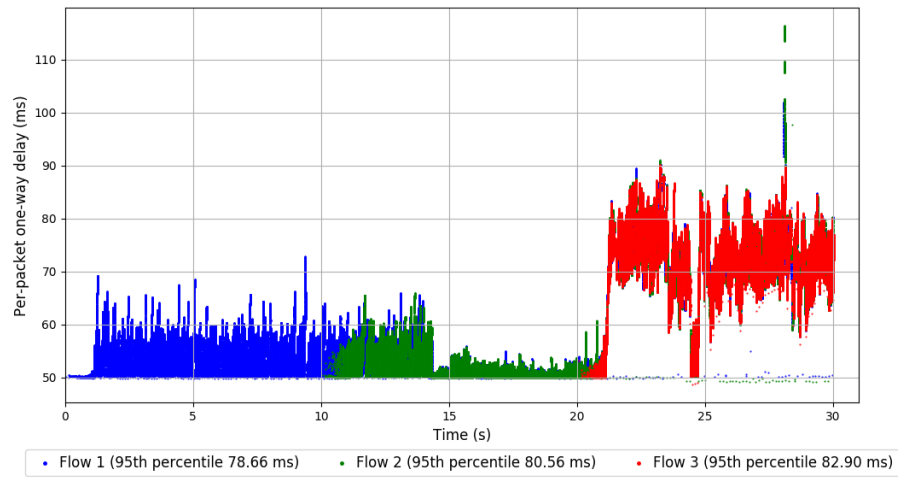
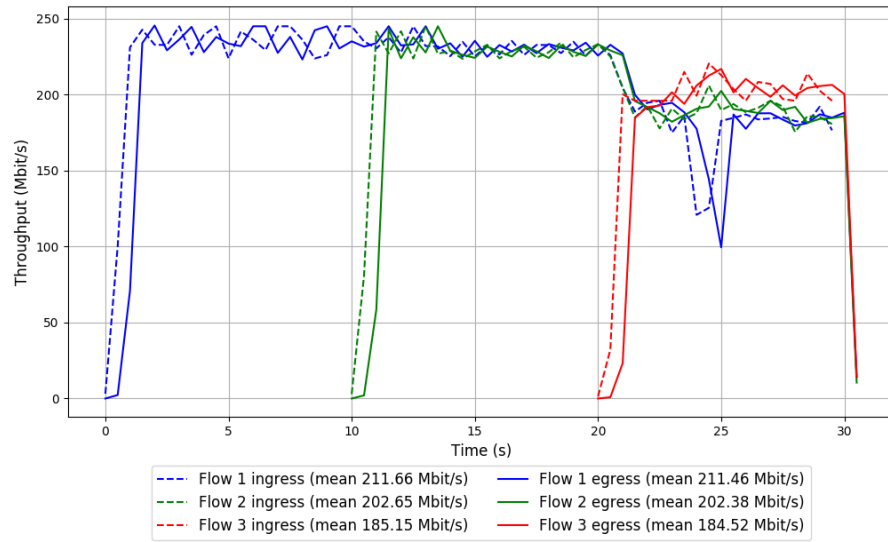


Run 8: Statistics of TCP BBR

Start at: 2018-07-12 06:45:00  
End at: 2018-07-12 06:45:30  
Local clock offset: 0.281 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-12 08:26:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 407.58 Mbit/s  
95th percentile per-packet one-way delay: 80.523 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 211.46 Mbit/s  
95th percentile per-packet one-way delay: 78.659 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 202.38 Mbit/s  
95th percentile per-packet one-way delay: 80.555 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 184.52 Mbit/s  
95th percentile per-packet one-way delay: 82.900 ms  
Loss rate: 0.28%

# Run 8: Report of TCP BBR — Data Link



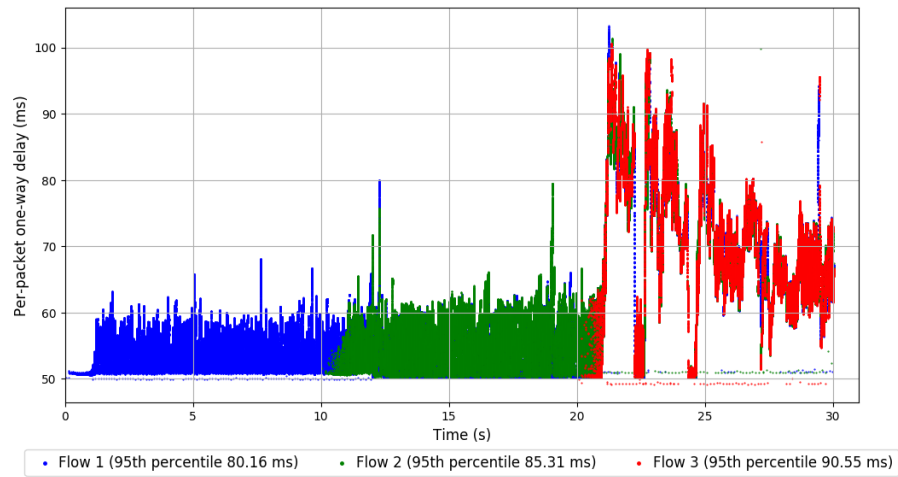
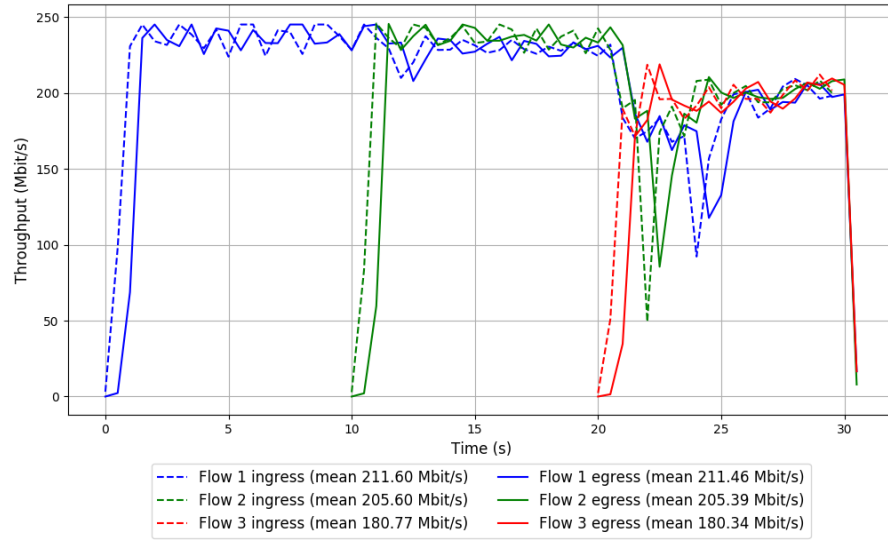
Run 9: Statistics of TCP BBR

Start at: 2018-07-12 07:09:42  
End at: 2018-07-12 07:10:12  
Local clock offset: -0.388 ms  
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-07-12 08:32:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 408.19 Mbit/s  
95th percentile per-packet one-way delay: 84.806 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 211.46 Mbit/s  
95th percentile per-packet one-way delay: 80.159 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 205.39 Mbit/s  
95th percentile per-packet one-way delay: 85.311 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 180.34 Mbit/s  
95th percentile per-packet one-way delay: 90.549 ms  
Loss rate: 0.18%



# Run 9: Report of TCP BBR — Data Link

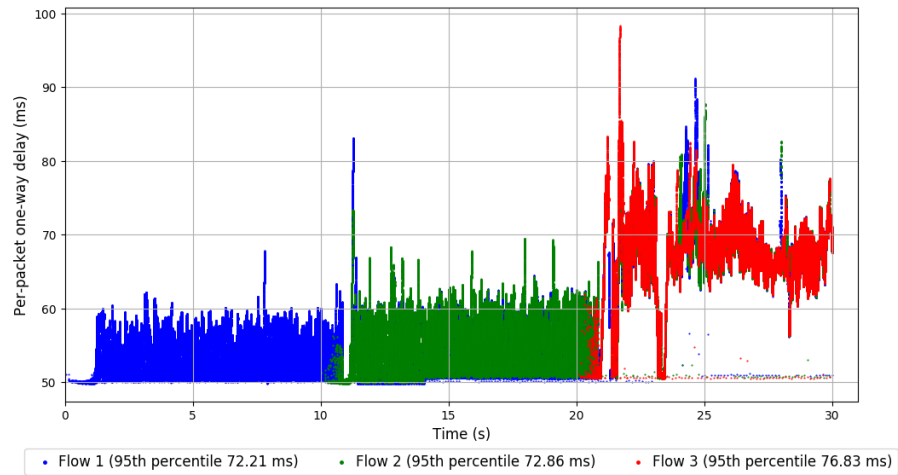
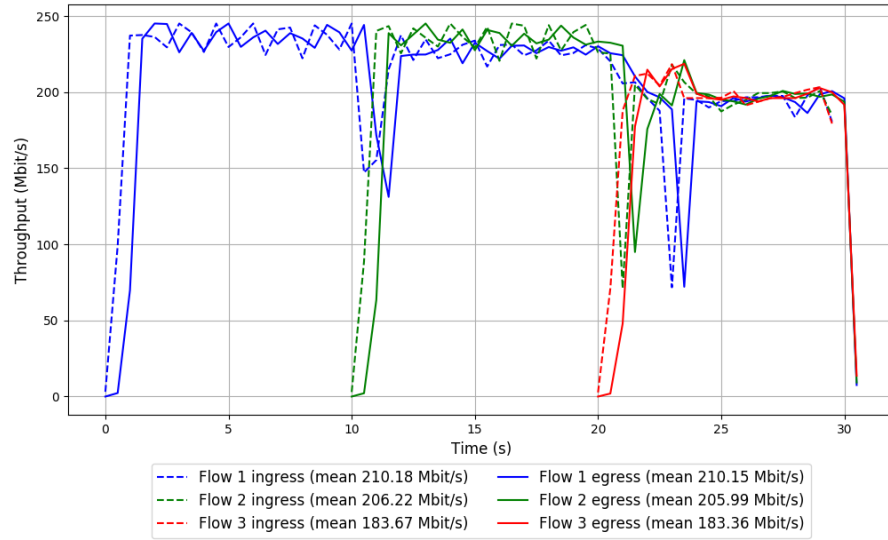


Run 10: Statistics of TCP BBR

Start at: 2018-07-12 07:34:40  
End at: 2018-07-12 07:35:10  
Local clock offset: -0.348 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-07-12 08:32:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 408.18 Mbit/s  
95th percentile per-packet one-way delay: 73.579 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 210.15 Mbit/s  
95th percentile per-packet one-way delay: 72.214 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 205.99 Mbit/s  
95th percentile per-packet one-way delay: 72.856 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 183.36 Mbit/s  
95th percentile per-packet one-way delay: 76.835 ms  
Loss rate: 0.05%

# Run 10: Report of TCP BBR — Data Link

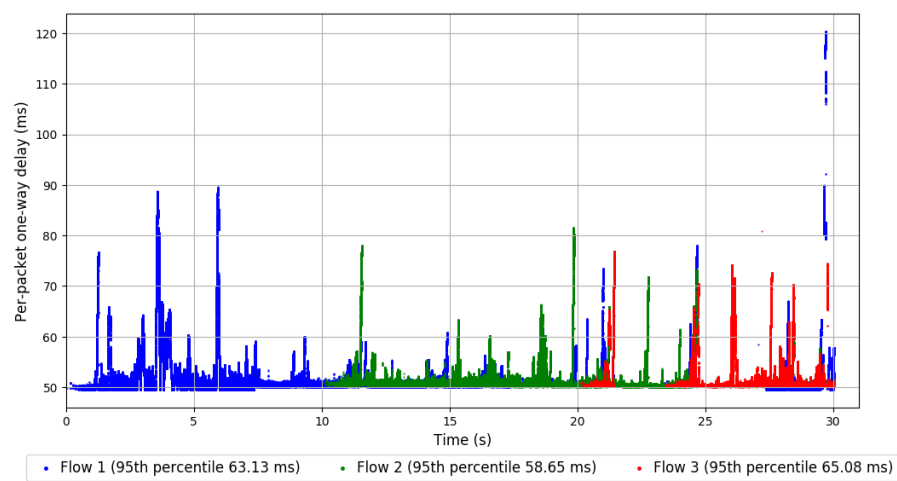
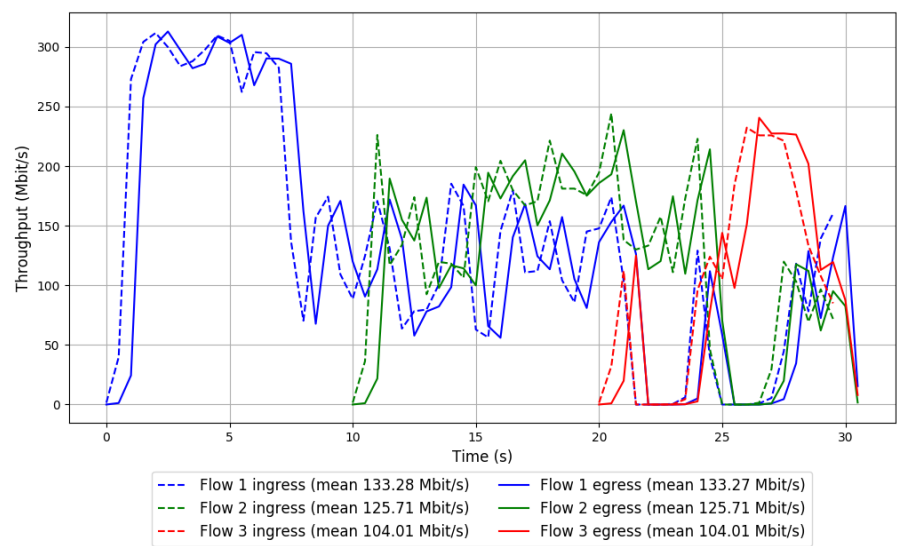


Run 1: Statistics of Copa

Start at: 2018-07-12 04:00:47  
End at: 2018-07-12 04:01:17  
Local clock offset: -0.109 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-07-12 08:33:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 251.55 Mbit/s  
95th percentile per-packet one-way delay: 62.499 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 133.27 Mbit/s  
95th percentile per-packet one-way delay: 63.129 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 125.71 Mbit/s  
95th percentile per-packet one-way delay: 58.649 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 104.01 Mbit/s  
95th percentile per-packet one-way delay: 65.079 ms  
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

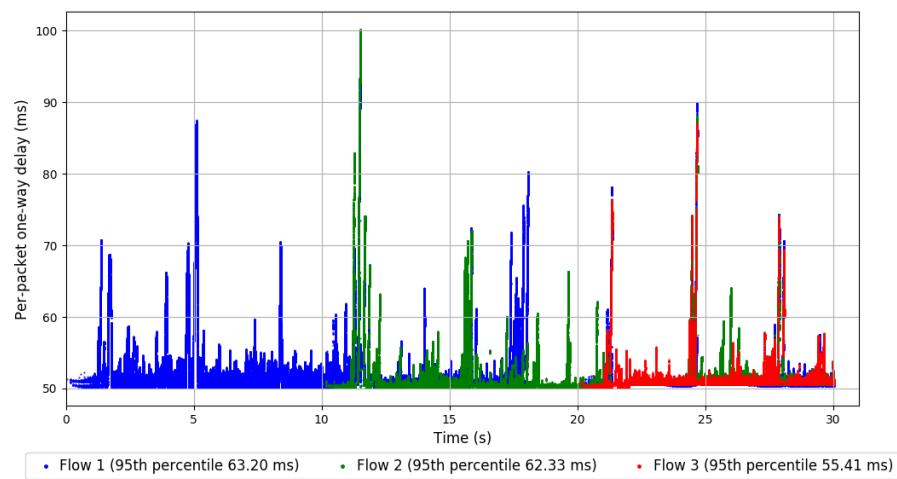
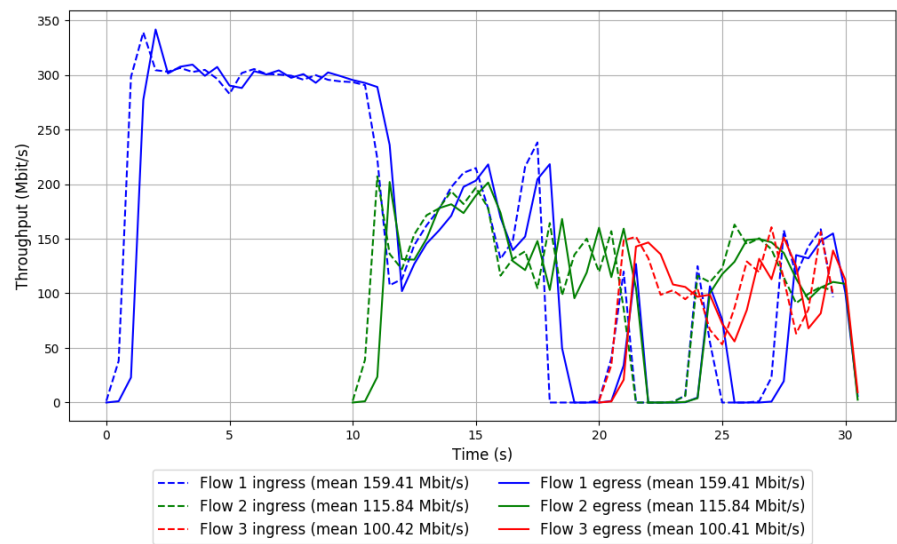


Run 2: Statistics of Copa

Start at: 2018-07-12 04:26:02  
End at: 2018-07-12 04:26:32  
Local clock offset: -0.131 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-12 08:34:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 269.93 Mbit/s  
95th percentile per-packet one-way delay: 62.085 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 159.41 Mbit/s  
95th percentile per-packet one-way delay: 63.201 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 115.84 Mbit/s  
95th percentile per-packet one-way delay: 62.334 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 100.41 Mbit/s  
95th percentile per-packet one-way delay: 55.407 ms  
Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-12 04:51:16

End at: 2018-07-12 04:51:46

Local clock offset: -0.105 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-07-12 08:34:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 225.86 Mbit/s

95th percentile per-packet one-way delay: 62.161 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.23 Mbit/s

95th percentile per-packet one-way delay: 55.987 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 114.33 Mbit/s

95th percentile per-packet one-way delay: 64.754 ms

Loss rate: 0.00%

-- Flow 3:

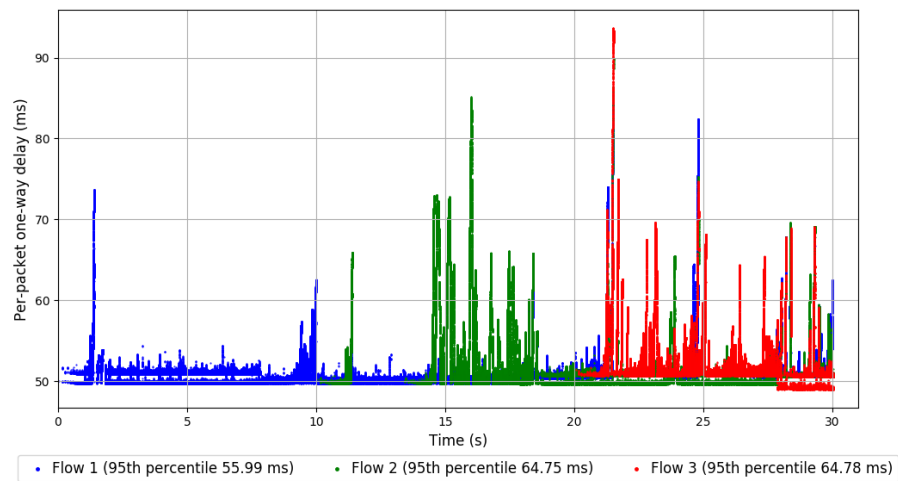
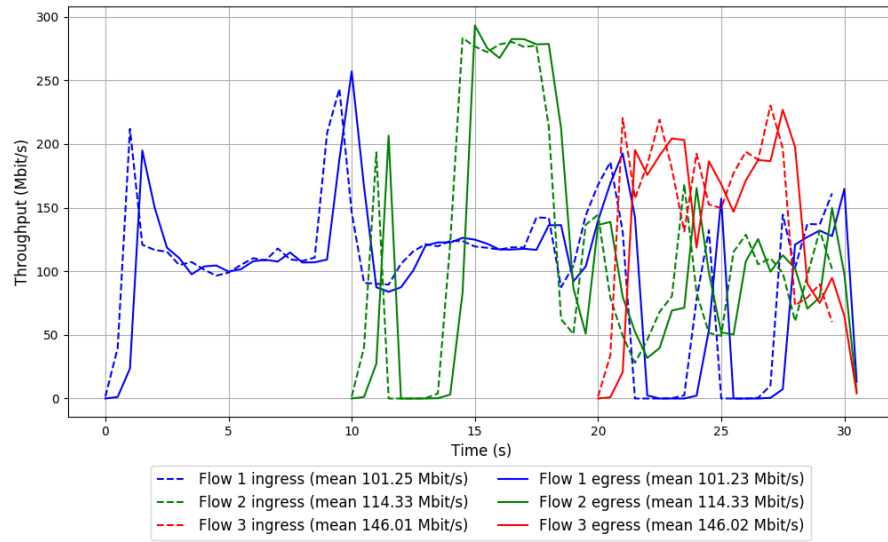
Average throughput: 146.02 Mbit/s

95th percentile per-packet one-way delay: 64.775 ms

Loss rate: 0.00%



### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-12 05:16:43

End at: 2018-07-12 05:17:13

Local clock offset: -0.052 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-07-12 08:34:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 258.88 Mbit/s

95th percentile per-packet one-way delay: 68.916 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 160.98 Mbit/s

95th percentile per-packet one-way delay: 72.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.81 Mbit/s

95th percentile per-packet one-way delay: 59.252 ms

Loss rate: 0.00%

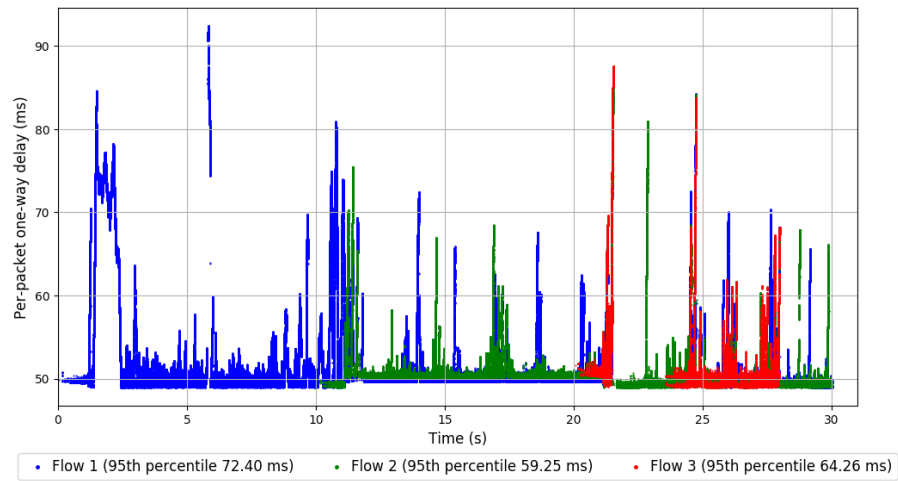
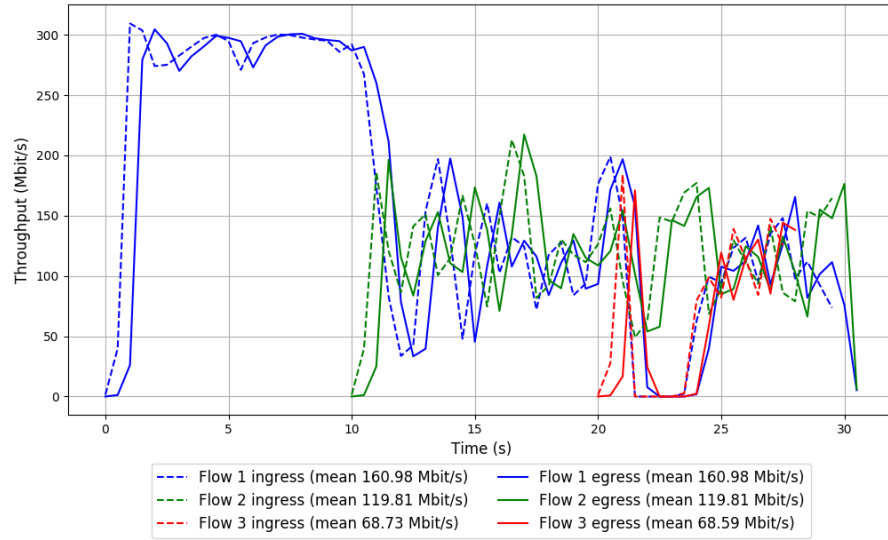
-- Flow 3:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 64.257 ms

Loss rate: 0.00%

# Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-12 05:41:55

End at: 2018-07-12 05:42:25

Local clock offset: -0.121 ms

Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-07-12 08:34:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 252.32 Mbit/s

95th percentile per-packet one-way delay: 65.313 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.00 Mbit/s

95th percentile per-packet one-way delay: 72.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.15 Mbit/s

95th percentile per-packet one-way delay: 54.698 ms

Loss rate: 0.00%

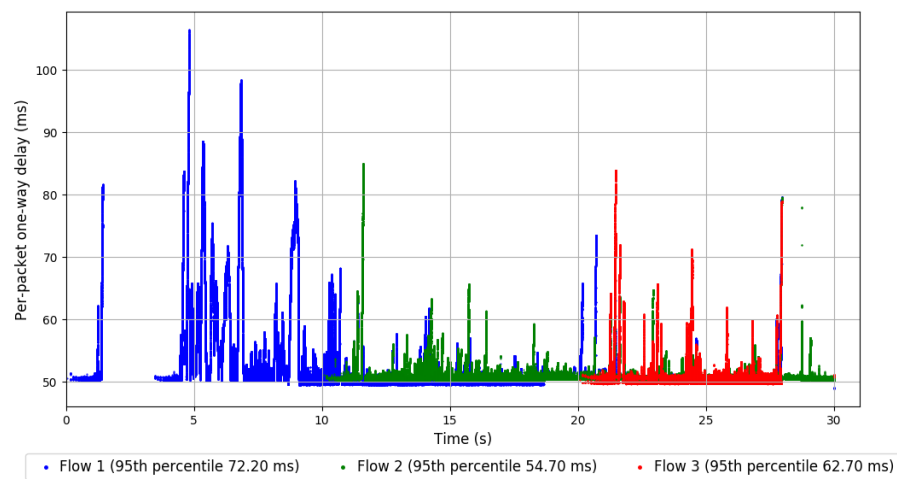
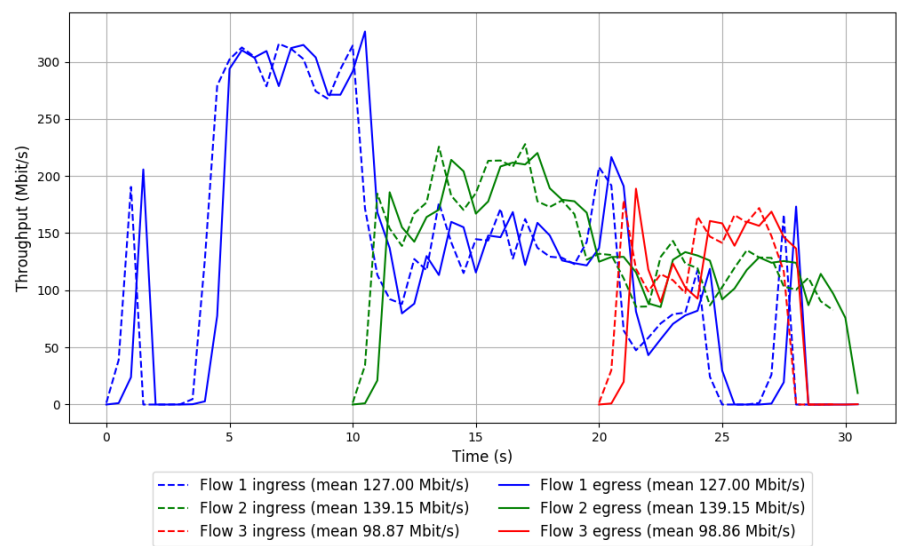
-- Flow 3:

Average throughput: 98.86 Mbit/s

95th percentile per-packet one-way delay: 62.697 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-12 06:06:40

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

Local clock offset: -0.141 ms

Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-07-12 08:34:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 259.67 Mbit/s

95th percentile per-packet one-way delay: 55.755 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.61 Mbit/s

95th percentile per-packet one-way delay: 54.744 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 149.15 Mbit/s

95th percentile per-packet one-way delay: 58.479 ms

Loss rate: 0.00%

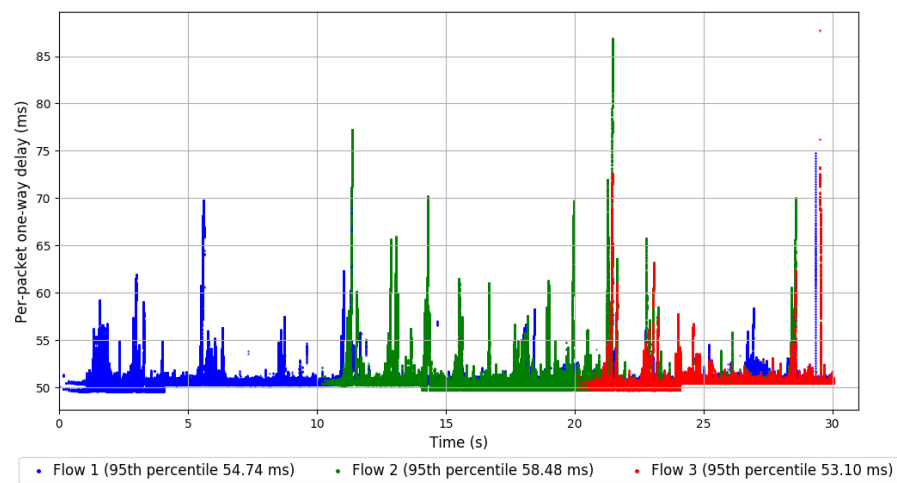
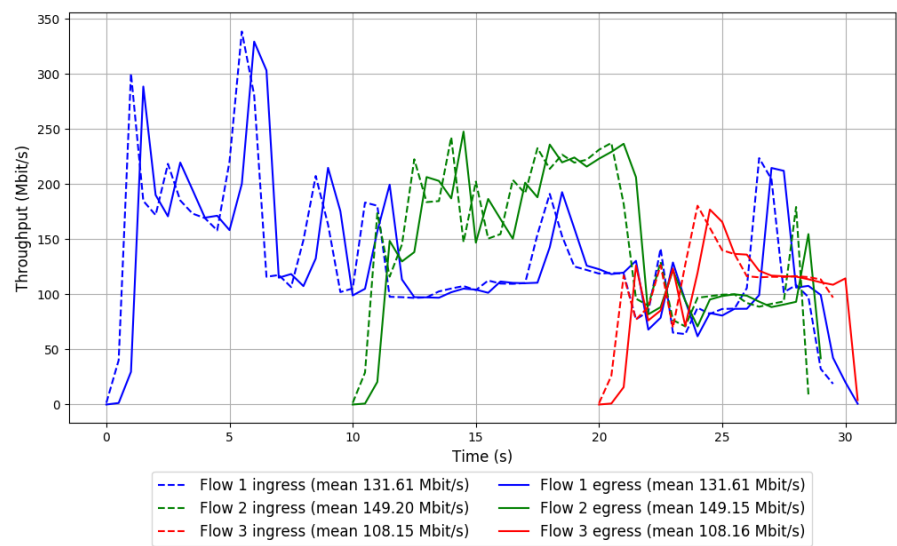
-- Flow 3:

Average throughput: 108.16 Mbit/s

95th percentile per-packet one-way delay: 53.102 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



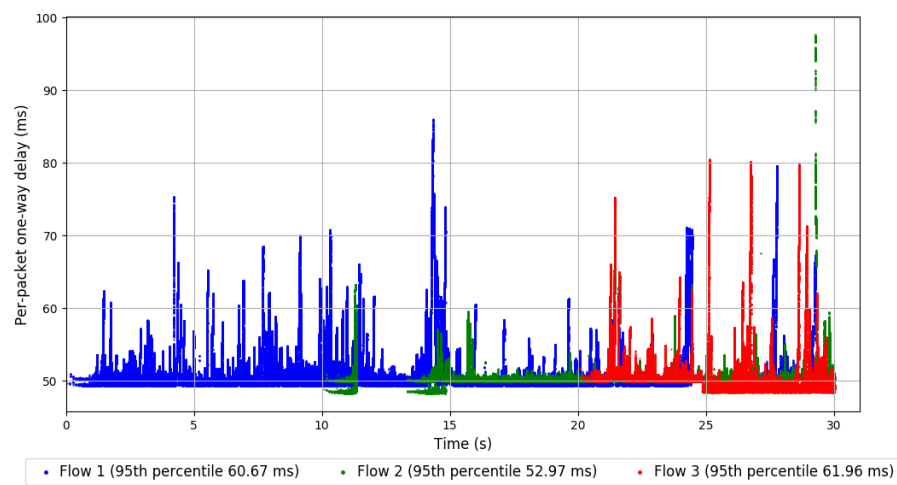
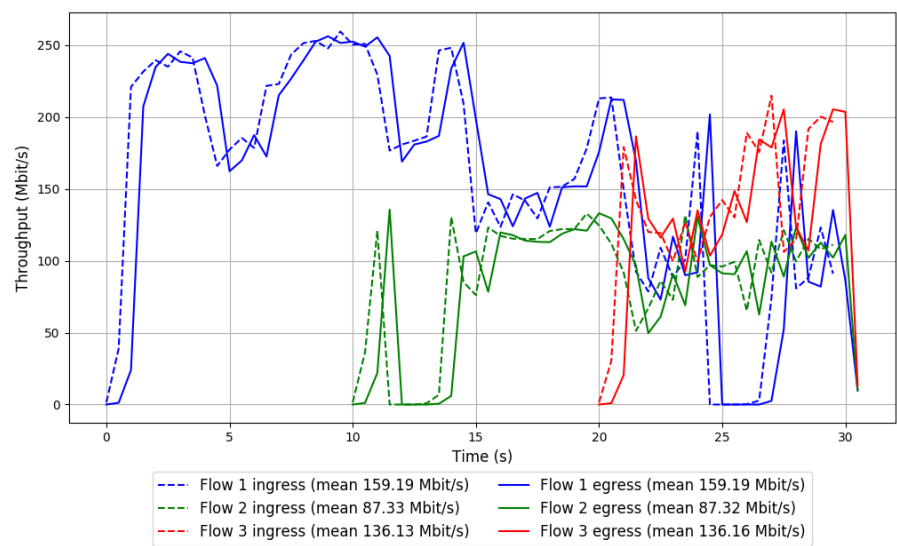
Run 7: Statistics of Copa

Start at: 2018-07-12 06:31:49  
End at: 2018-07-12 06:32:19  
Local clock offset: 0.257 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-12 08:40:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 262.54 Mbit/s  
95th percentile per-packet one-way delay: 59.397 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 159.19 Mbit/s  
95th percentile per-packet one-way delay: 60.667 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 87.32 Mbit/s  
95th percentile per-packet one-way delay: 52.973 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 136.16 Mbit/s  
95th percentile per-packet one-way delay: 61.960 ms  
Loss rate: 0.00%



Run 7: Report of Copa — Data Link

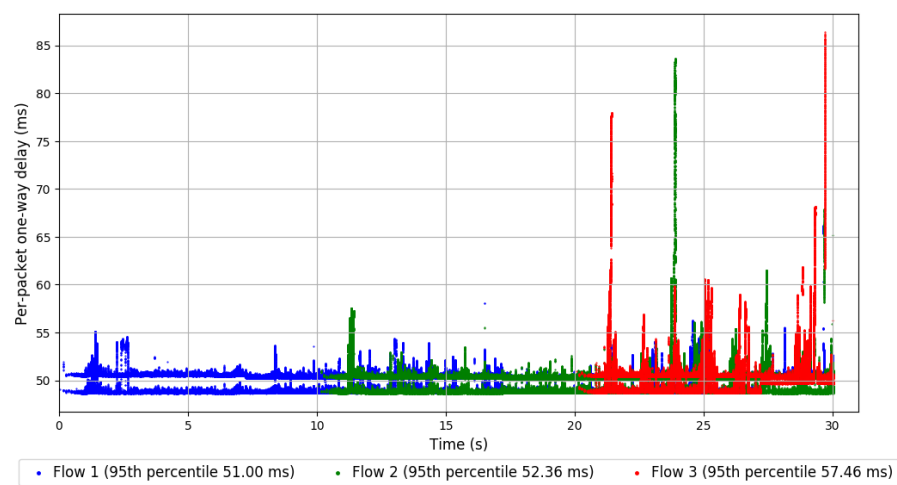
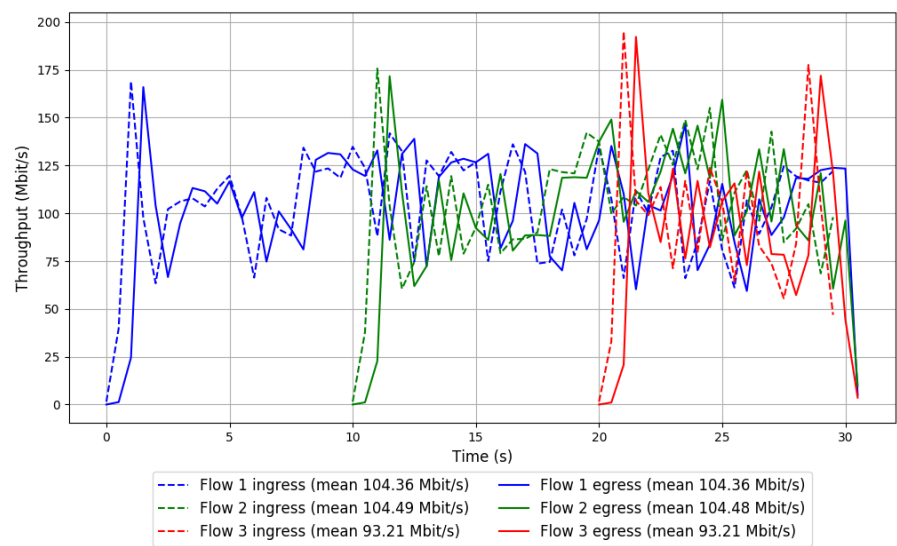


Run 8: Statistics of Copa

Start at: 2018-07-12 06:56:37  
End at: 2018-07-12 06:57:07  
Local clock offset: 0.043 ms  
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-07-12 08:40:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 204.93 Mbit/s  
95th percentile per-packet one-way delay: 52.514 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 104.36 Mbit/s  
95th percentile per-packet one-way delay: 50.996 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 104.48 Mbit/s  
95th percentile per-packet one-way delay: 52.359 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 93.21 Mbit/s  
95th percentile per-packet one-way delay: 57.464 ms  
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

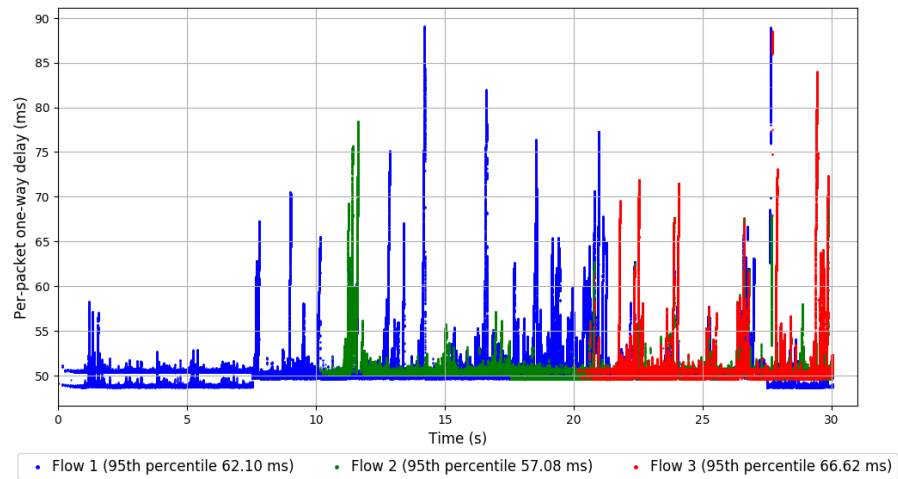
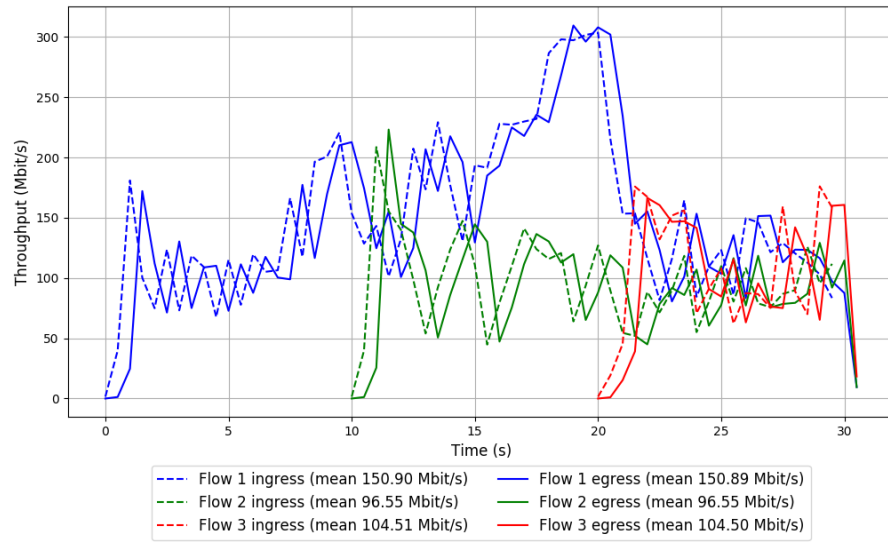


Run 9: Statistics of Copa

Start at: 2018-07-12 07:21:26  
End at: 2018-07-12 07:21:56  
Local clock offset: -0.049 ms  
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-07-12 08:40:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 249.89 Mbit/s  
95th percentile per-packet one-way delay: 61.658 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 150.89 Mbit/s  
95th percentile per-packet one-way delay: 62.097 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 96.55 Mbit/s  
95th percentile per-packet one-way delay: 57.076 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 104.50 Mbit/s  
95th percentile per-packet one-way delay: 66.617 ms  
Loss rate: 0.02%

## Run 9: Report of Copa — Data Link

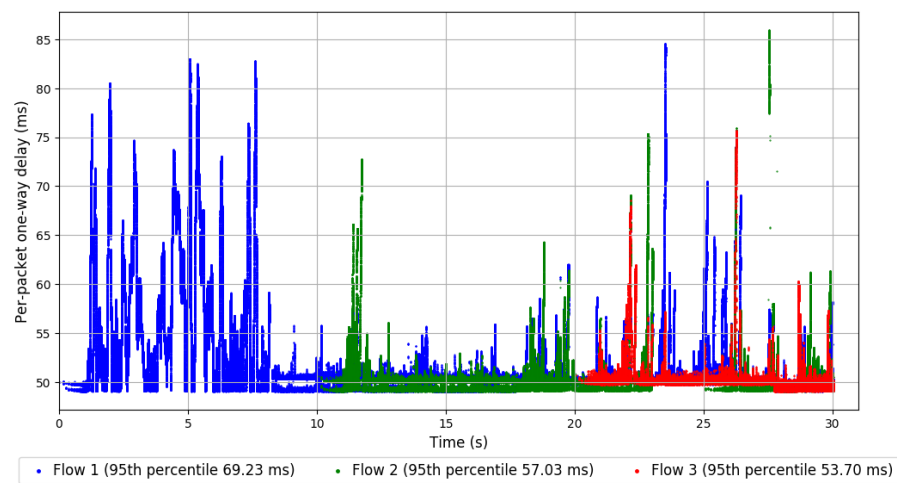
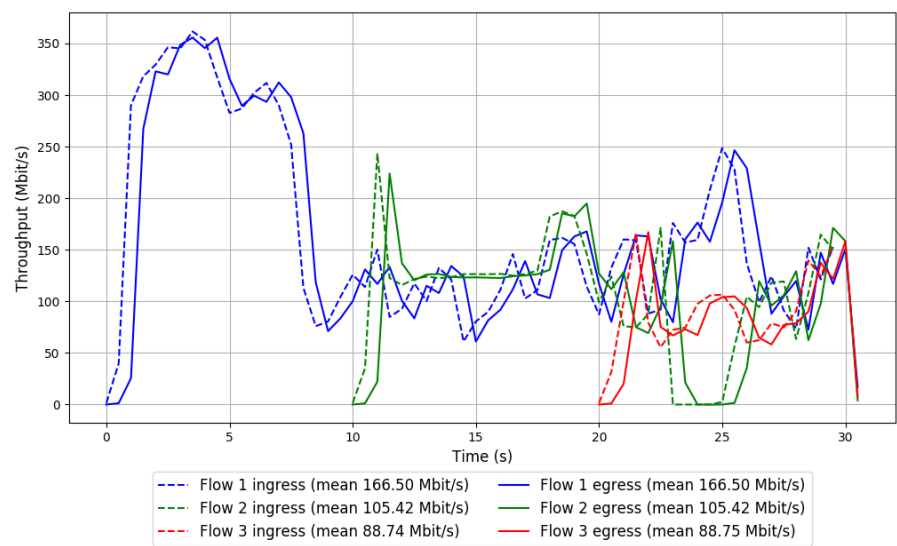


Run 10: Statistics of Copa

Start at: 2018-07-12 07:46:26  
End at: 2018-07-12 07:46:56  
Local clock offset: 0.34 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-07-12 08:41:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 266.18 Mbit/s  
95th percentile per-packet one-way delay: 66.728 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 166.50 Mbit/s  
95th percentile per-packet one-way delay: 69.229 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 105.42 Mbit/s  
95th percentile per-packet one-way delay: 57.029 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 88.75 Mbit/s  
95th percentile per-packet one-way delay: 53.703 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



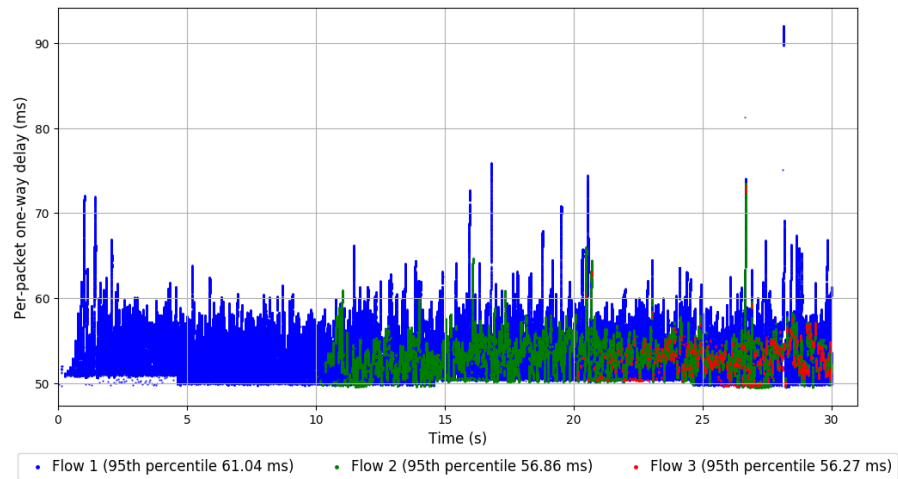
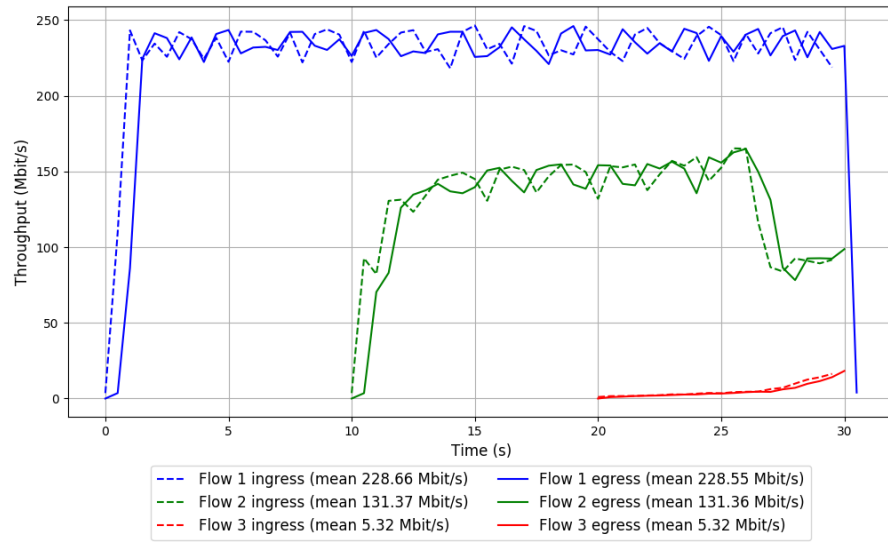
Run 1: Statistics of TCP Cubic

Start at: 2018-07-12 03:50:19  
End at: 2018-07-12 03:50:49  
Local clock offset: -0.11 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-12 08:41:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 317.72 Mbit/s  
95th percentile per-packet one-way delay: 60.307 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 228.55 Mbit/s  
95th percentile per-packet one-way delay: 61.036 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 131.36 Mbit/s  
95th percentile per-packet one-way delay: 56.856 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.32 Mbit/s  
95th percentile per-packet one-way delay: 56.270 ms  
Loss rate: 0.05%



# Run 1: Report of TCP Cubic — Data Link

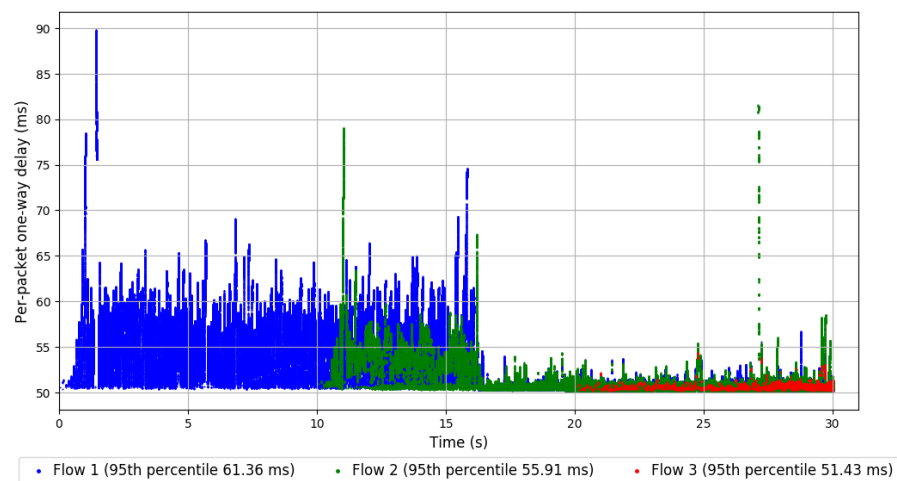
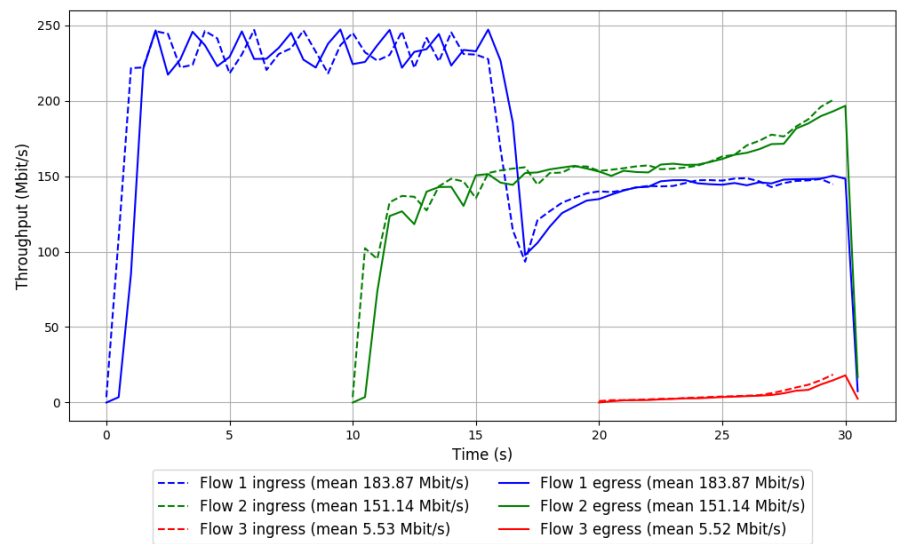


Run 2: Statistics of TCP Cubic

Start at: 2018-07-12 04:15:34  
End at: 2018-07-12 04:16:04  
Local clock offset: -0.096 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-12 08:41:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 286.35 Mbit/s  
95th percentile per-packet one-way delay: 60.583 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 183.87 Mbit/s  
95th percentile per-packet one-way delay: 61.360 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 151.14 Mbit/s  
95th percentile per-packet one-way delay: 55.906 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.52 Mbit/s  
95th percentile per-packet one-way delay: 51.434 ms  
Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link

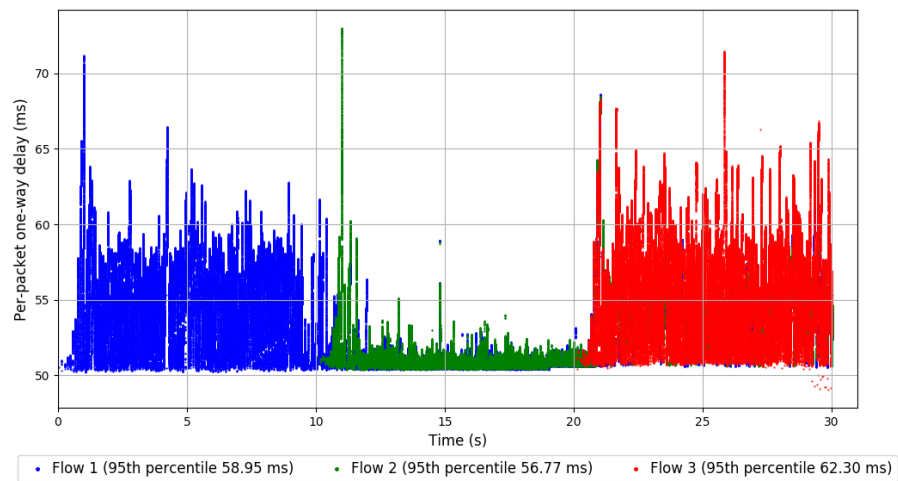
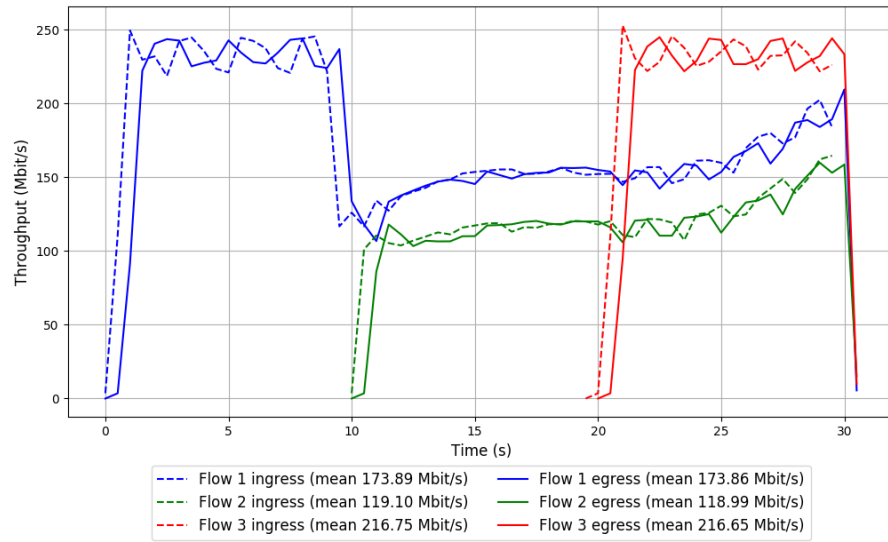


Run 3: Statistics of TCP Cubic

Start at: 2018-07-12 04:40:45  
End at: 2018-07-12 04:41:15  
Local clock offset: -0.094 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-07-12 08:41:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 325.10 Mbit/s  
95th percentile per-packet one-way delay: 59.937 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 173.86 Mbit/s  
95th percentile per-packet one-way delay: 58.955 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 118.99 Mbit/s  
95th percentile per-packet one-way delay: 56.771 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 216.65 Mbit/s  
95th percentile per-packet one-way delay: 62.304 ms  
Loss rate: 0.00%

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

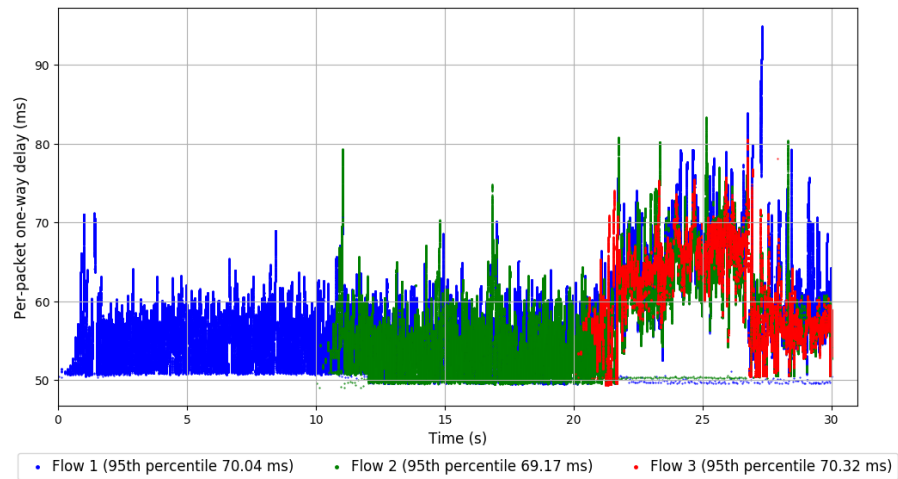
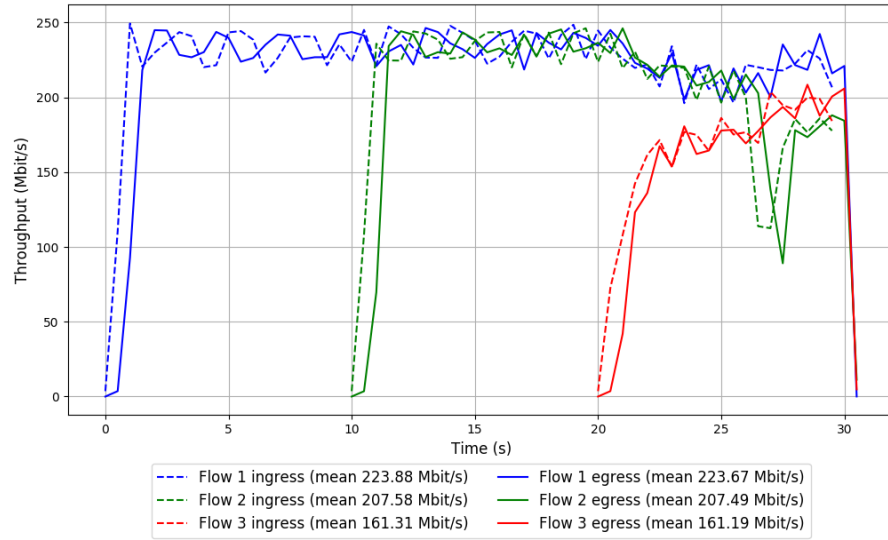


Run 4: Statistics of TCP Cubic

Start at: 2018-07-12 05:06:12  
End at: 2018-07-12 05:06:42  
Local clock offset: -0.068 ms  
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-12 08:41:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 415.46 Mbit/s  
95th percentile per-packet one-way delay: 69.845 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 223.67 Mbit/s  
95th percentile per-packet one-way delay: 70.036 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 207.49 Mbit/s  
95th percentile per-packet one-way delay: 69.172 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 161.19 Mbit/s  
95th percentile per-packet one-way delay: 70.319 ms  
Loss rate: 0.00%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-07-12 05:31:31

End at: 2018-07-12 05:32:01

Local clock offset: 0.248 ms

Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-07-12 08:43:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 329.23 Mbit/s

95th percentile per-packet one-way delay: 60.332 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 175.18 Mbit/s

95th percentile per-packet one-way delay: 58.593 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 228.42 Mbit/s

95th percentile per-packet one-way delay: 61.166 ms

Loss rate: 0.12%

-- Flow 3:

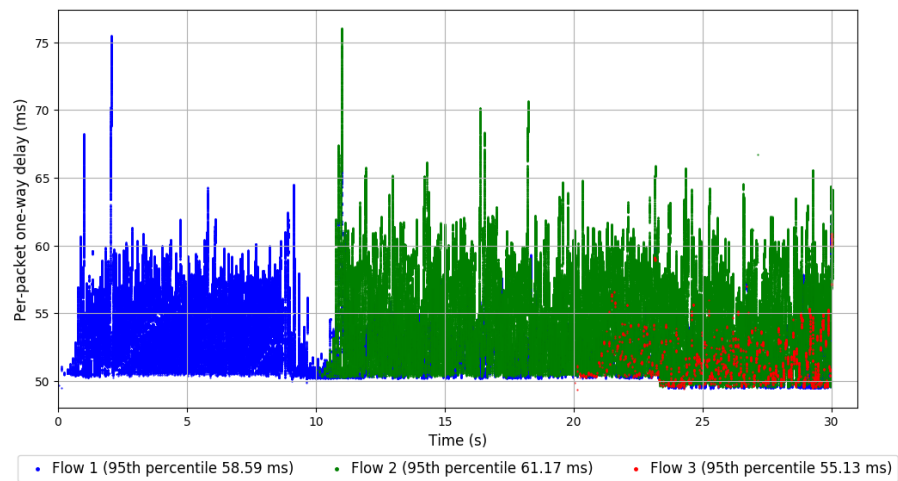
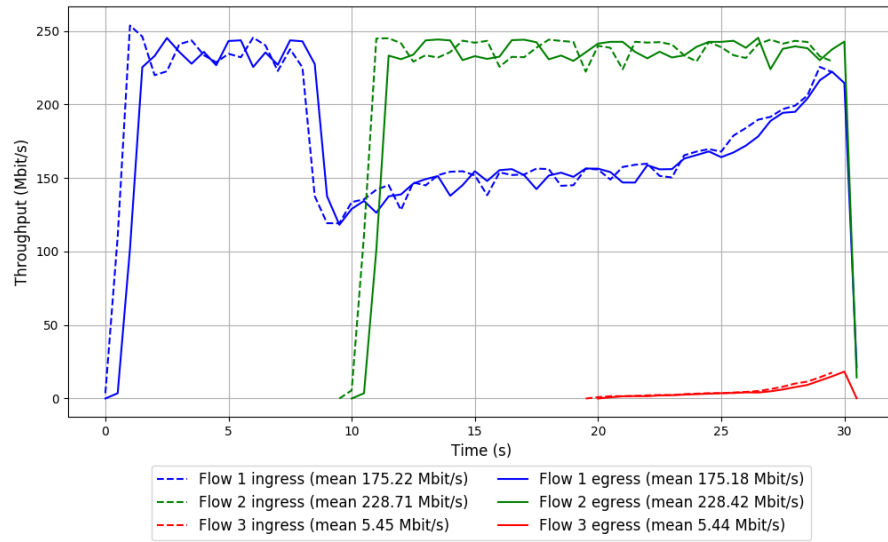
Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 55.134 ms

Loss rate: 0.11%



# Run 5: Report of TCP Cubic — Data Link

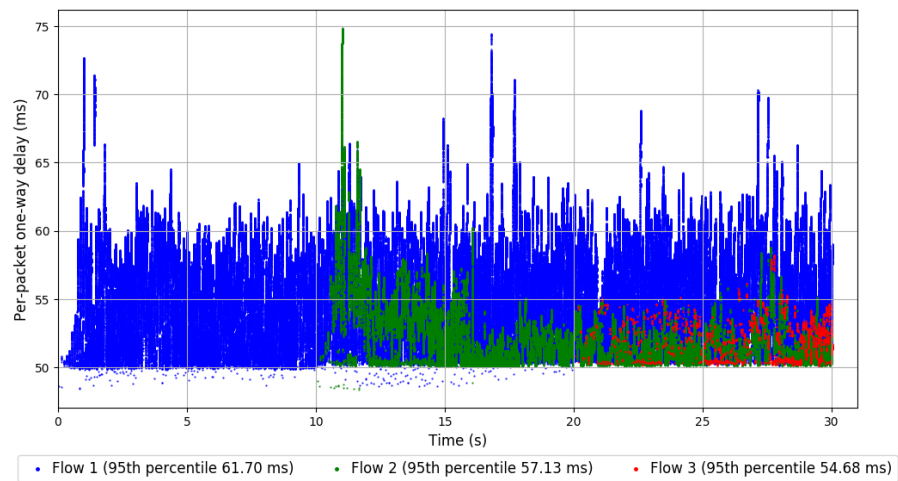
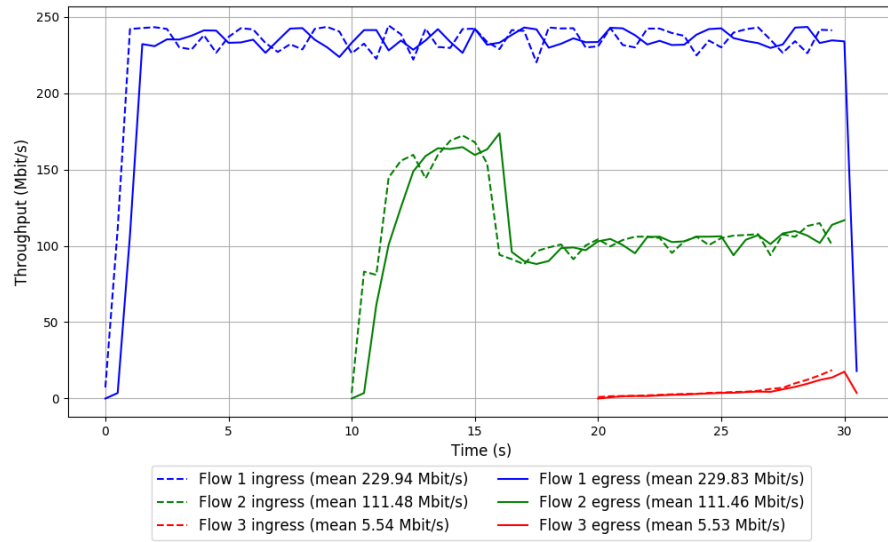


Run 6: Statistics of TCP Cubic

Start at: 2018-07-12 05:56:44  
End at: 2018-07-12 05:57:14  
Local clock offset: 0.255 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-07-12 08:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 305.83 Mbit/s  
95th percentile per-packet one-way delay: 61.329 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 229.83 Mbit/s  
95th percentile per-packet one-way delay: 61.705 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 111.46 Mbit/s  
95th percentile per-packet one-way delay: 57.134 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.53 Mbit/s  
95th percentile per-packet one-way delay: 54.678 ms  
Loss rate: 0.11%

# Run 6: Report of TCP Cubic — Data Link

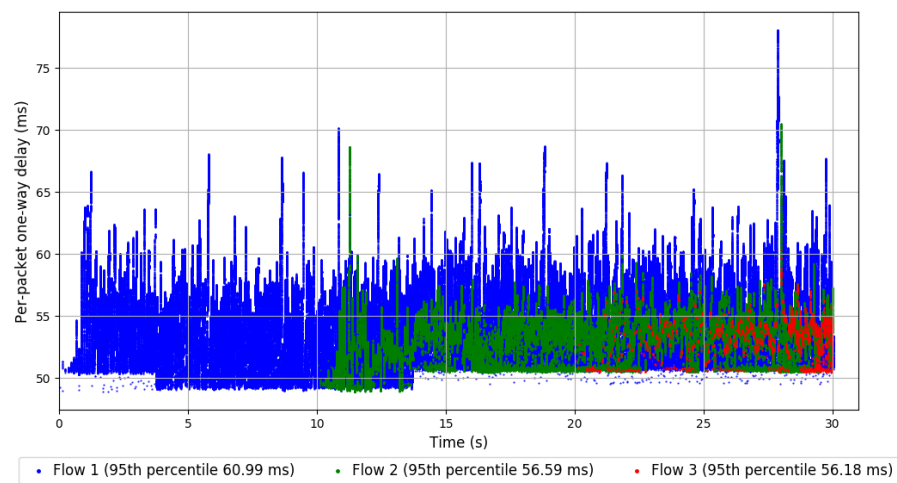
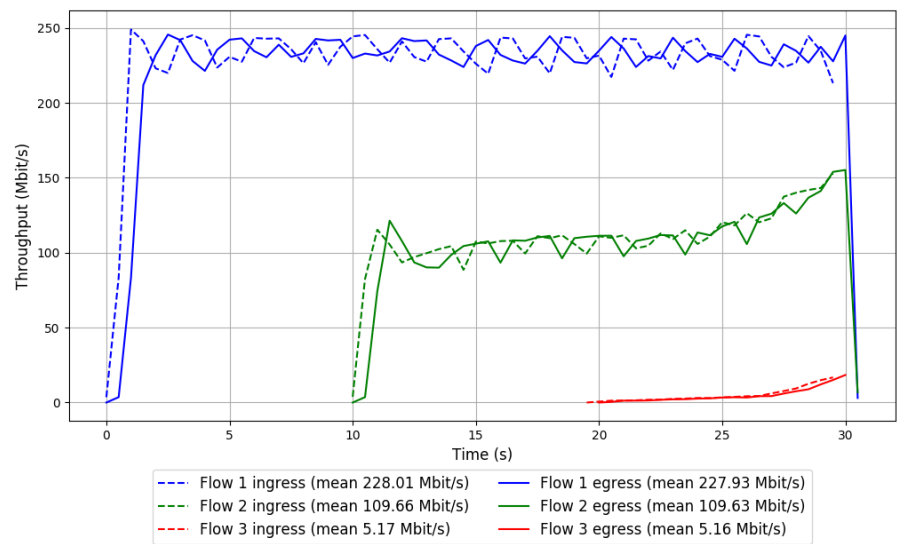


Run 7: Statistics of TCP Cubic

Start at: 2018-07-12 06:21:30  
End at: 2018-07-12 06:22:00  
Local clock offset: -0.078 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-07-12 08:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 302.62 Mbit/s  
95th percentile per-packet one-way delay: 60.408 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 227.93 Mbit/s  
95th percentile per-packet one-way delay: 60.992 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 109.63 Mbit/s  
95th percentile per-packet one-way delay: 56.592 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.16 Mbit/s  
95th percentile per-packet one-way delay: 56.176 ms  
Loss rate: 0.19%

Run 7: Report of TCP Cubic — Data Link

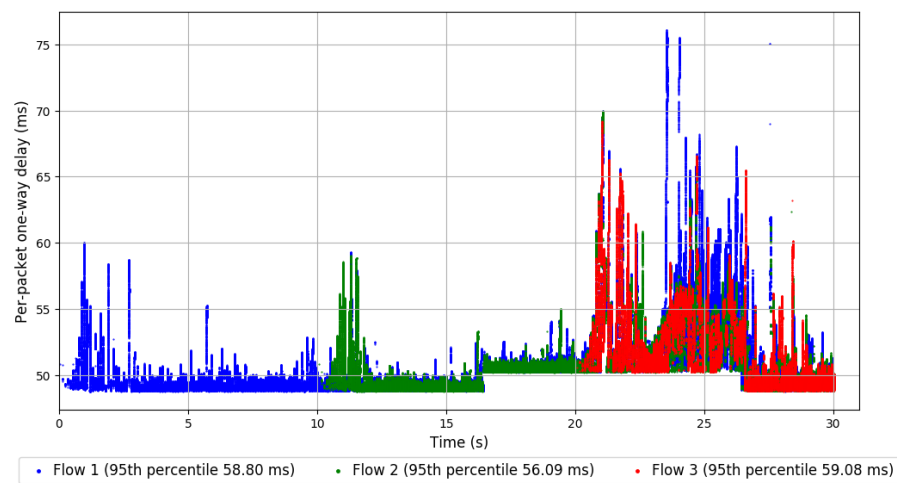
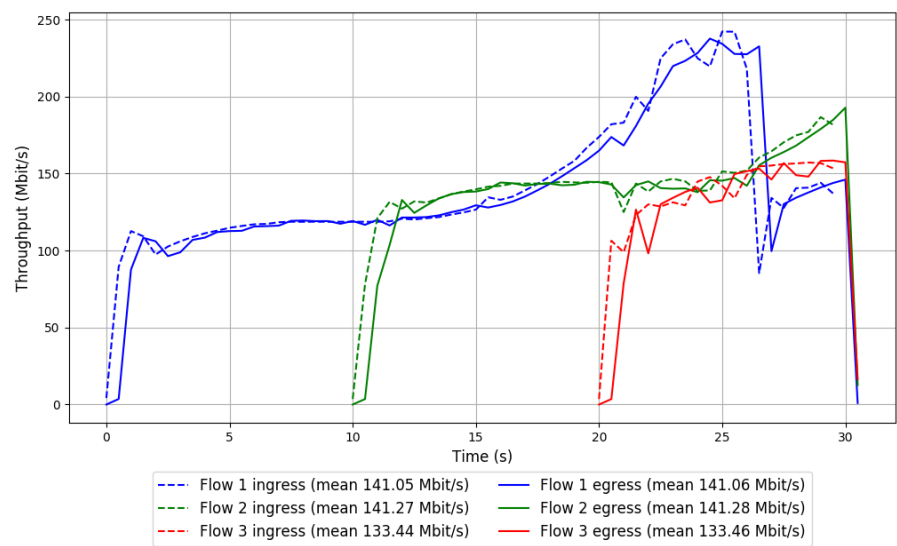


Run 8: Statistics of TCP Cubic

Start at: 2018-07-12 06:46:28  
End at: 2018-07-12 06:46:58  
Local clock offset: -0.107 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-07-12 08:43:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 279.51 Mbit/s  
95th percentile per-packet one-way delay: 57.960 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 141.06 Mbit/s  
95th percentile per-packet one-way delay: 58.795 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 141.28 Mbit/s  
95th percentile per-packet one-way delay: 56.087 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 133.46 Mbit/s  
95th percentile per-packet one-way delay: 59.076 ms  
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



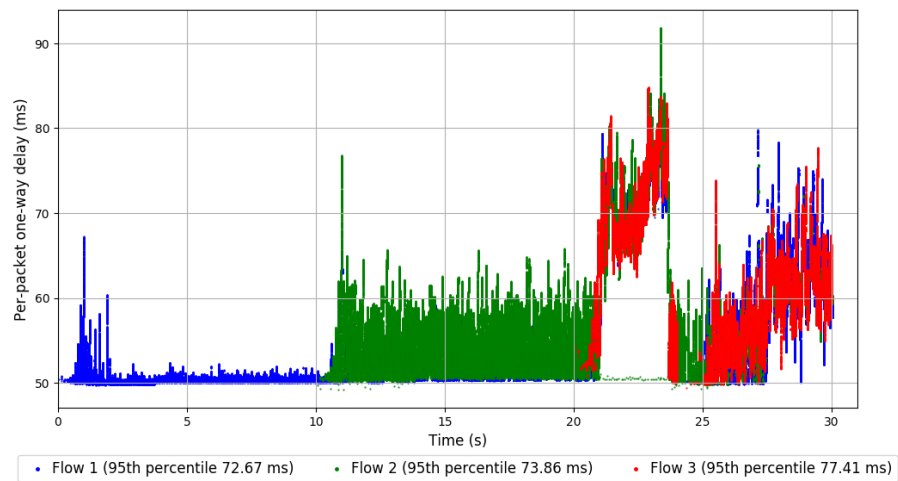
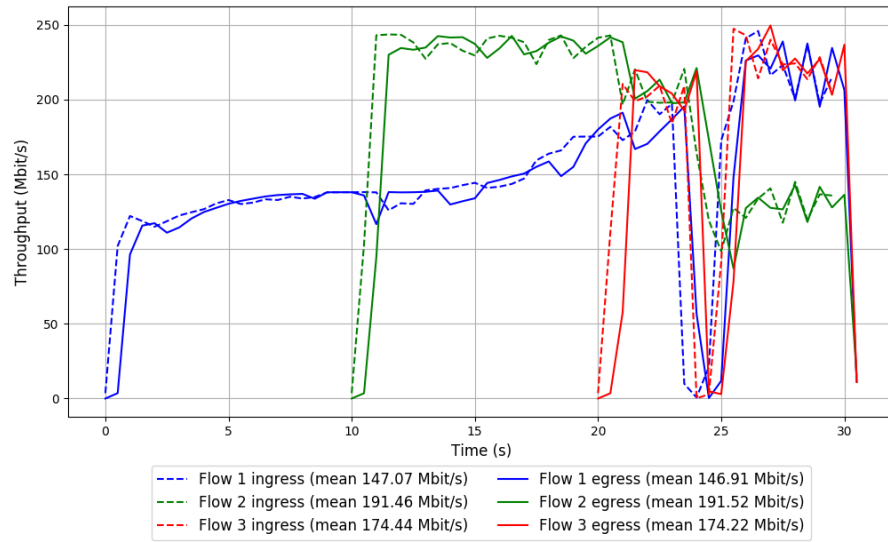
Run 9: Statistics of TCP Cubic

Start at: 2018-07-12 07:11:10  
End at: 2018-07-12 07:11:40  
Local clock offset: 0.311 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-12 08:45:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 332.14 Mbit/s  
95th percentile per-packet one-way delay: 74.372 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 146.91 Mbit/s  
95th percentile per-packet one-way delay: 72.672 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 191.52 Mbit/s  
95th percentile per-packet one-way delay: 73.863 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 174.22 Mbit/s  
95th percentile per-packet one-way delay: 77.411 ms  
Loss rate: 0.00%



# Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-12 07:36:07

End at: 2018-07-12 07:36:38

Local clock offset: 0.016 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-12 08:45:43

# Datalink statistics

-- Total of 3 flows:

Average throughput: 337.10 Mbit/s

95th percentile per-packet one-way delay: 66.705 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 172.30 Mbit/s

95th percentile per-packet one-way delay: 67.246 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 144.35 Mbit/s

95th percentile per-packet one-way delay: 63.462 ms

Loss rate: 0.00%

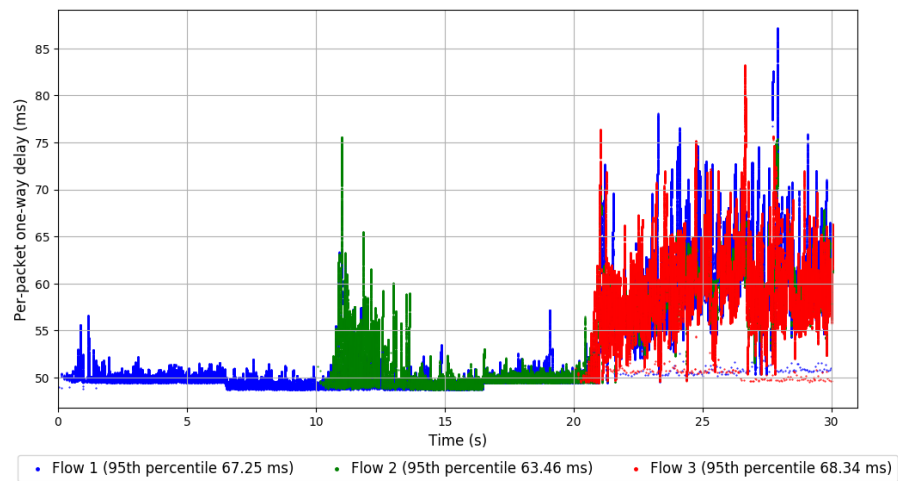
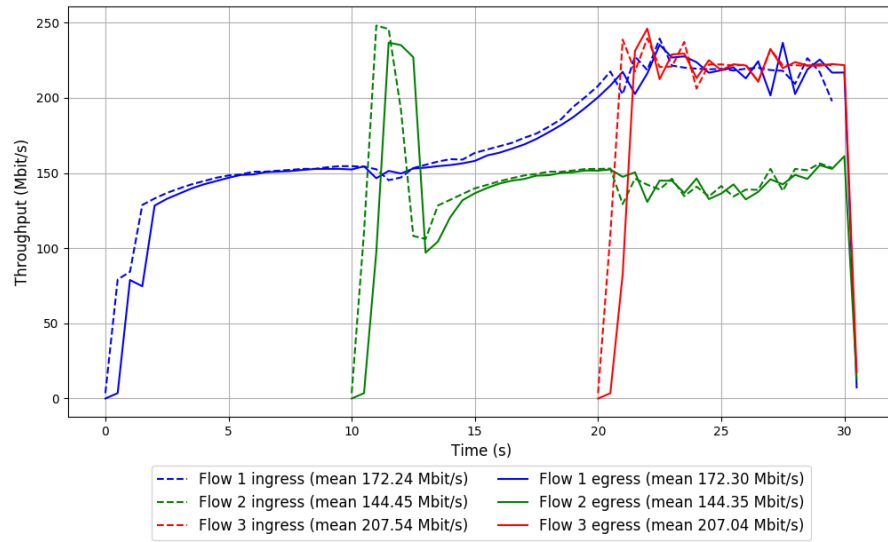
-- Flow 3:

Average throughput: 207.04 Mbit/s

95th percentile per-packet one-way delay: 68.344 ms

Loss rate: 0.17%

## Run 10: Report of TCP Cubic — Data Link

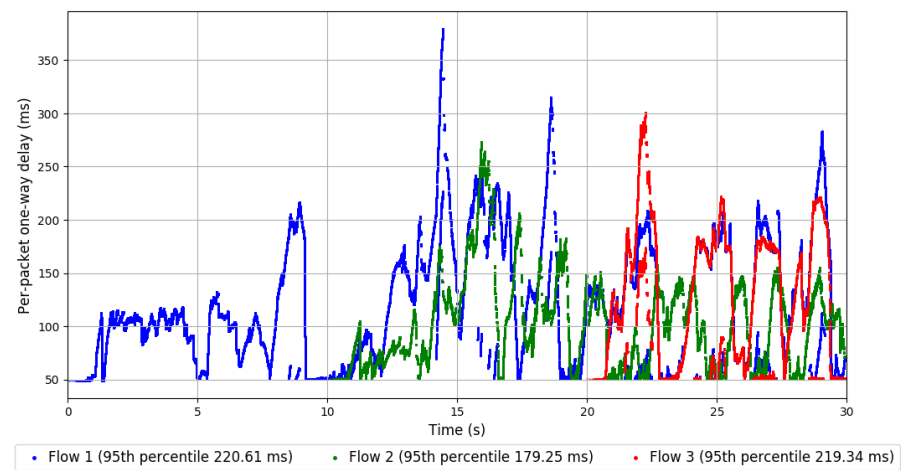
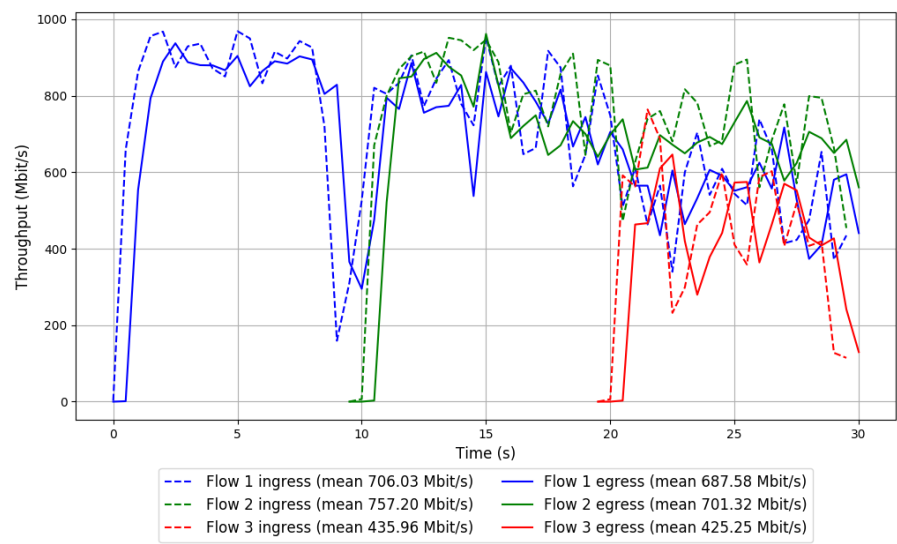


Run 1: Statistics of FillP

Start at: 2018-07-12 04:06:40  
End at: 2018-07-12 04:07:10  
Local clock offset: -0.108 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-12 09:06:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1296.86 Mbit/s  
95th percentile per-packet one-way delay: 214.701 ms  
Loss rate: 4.37%  
-- Flow 1:  
Average throughput: 687.58 Mbit/s  
95th percentile per-packet one-way delay: 220.610 ms  
Loss rate: 2.61%  
-- Flow 2:  
Average throughput: 701.32 Mbit/s  
95th percentile per-packet one-way delay: 179.249 ms  
Loss rate: 7.38%  
-- Flow 3:  
Average throughput: 425.25 Mbit/s  
95th percentile per-packet one-way delay: 219.337 ms  
Loss rate: 2.46%

Run 1: Report of FillP — Data Link

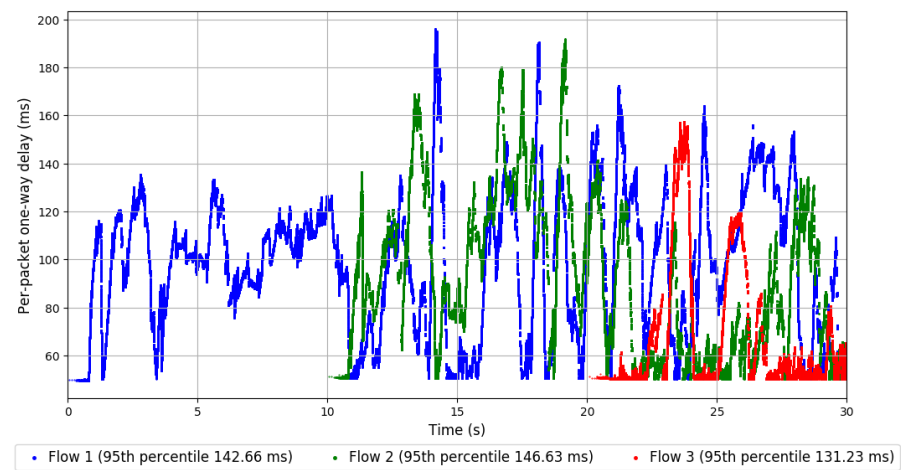
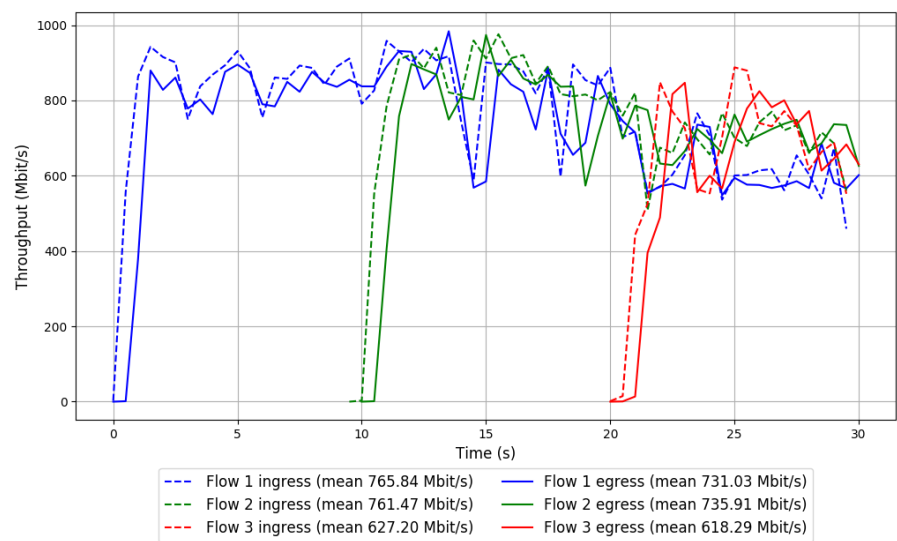


Run 2: Statistics of FillP

Start at: 2018-07-12 04:31:43  
End at: 2018-07-12 04:32:13  
Local clock offset: -0.092 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-07-12 09:09:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1425.70 Mbit/s  
95th percentile per-packet one-way delay: 143.190 ms  
Loss rate: 3.68%  
-- Flow 1:  
Average throughput: 731.03 Mbit/s  
95th percentile per-packet one-way delay: 142.662 ms  
Loss rate: 4.52%  
-- Flow 2:  
Average throughput: 735.91 Mbit/s  
95th percentile per-packet one-way delay: 146.634 ms  
Loss rate: 3.36%  
-- Flow 3:  
Average throughput: 618.29 Mbit/s  
95th percentile per-packet one-way delay: 131.231 ms  
Loss rate: 1.38%

Run 2: Report of FillP — Data Link



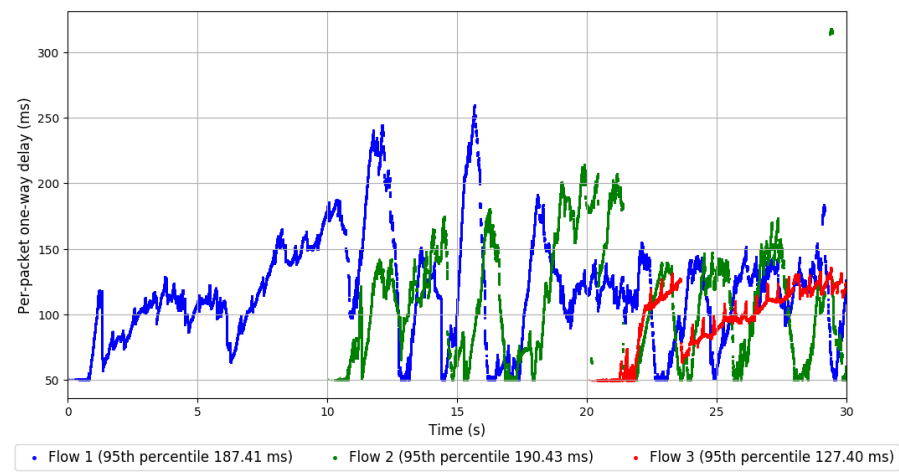
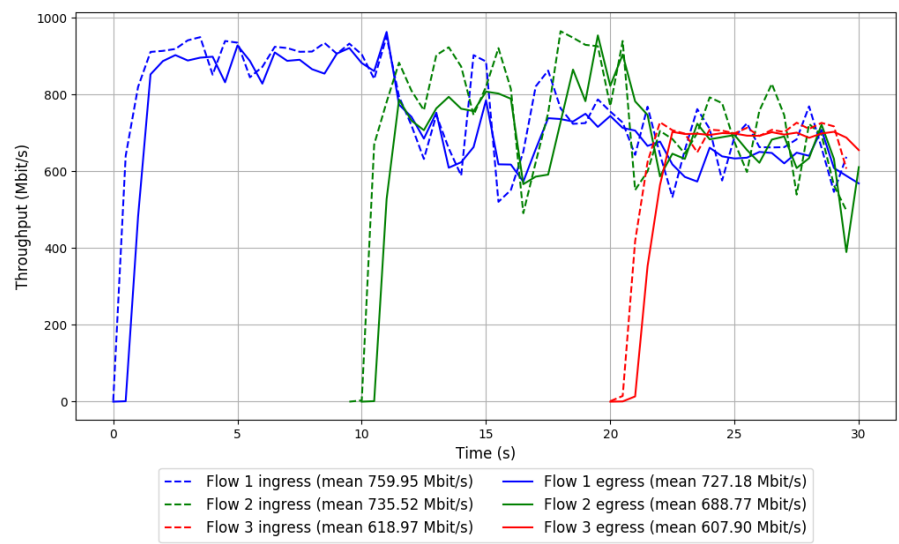
Run 3: Statistics of FillP

Start at: 2018-07-12 04:57:05  
End at: 2018-07-12 04:57:35  
Local clock offset: -0.083 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-12 09:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1387.06 Mbit/s  
95th percentile per-packet one-way delay: 186.505 ms  
Loss rate: 4.65%  
-- Flow 1:  
Average throughput: 727.18 Mbit/s  
95th percentile per-packet one-way delay: 187.413 ms  
Loss rate: 4.31%  
-- Flow 2:  
Average throughput: 688.77 Mbit/s  
95th percentile per-packet one-way delay: 190.433 ms  
Loss rate: 6.36%  
-- Flow 3:  
Average throughput: 607.90 Mbit/s  
95th percentile per-packet one-way delay: 127.403 ms  
Loss rate: 1.80%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-12 05:22:32

End at: 2018-07-12 05:23:02

Local clock offset: -0.454 ms

Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-07-12 09:11:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1276.60 Mbit/s

95th percentile per-packet one-way delay: 227.594 ms

Loss rate: 3.43%

-- Flow 1:

Average throughput: 707.68 Mbit/s

95th percentile per-packet one-way delay: 241.940 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 688.62 Mbit/s

95th percentile per-packet one-way delay: 153.476 ms

Loss rate: 4.52%

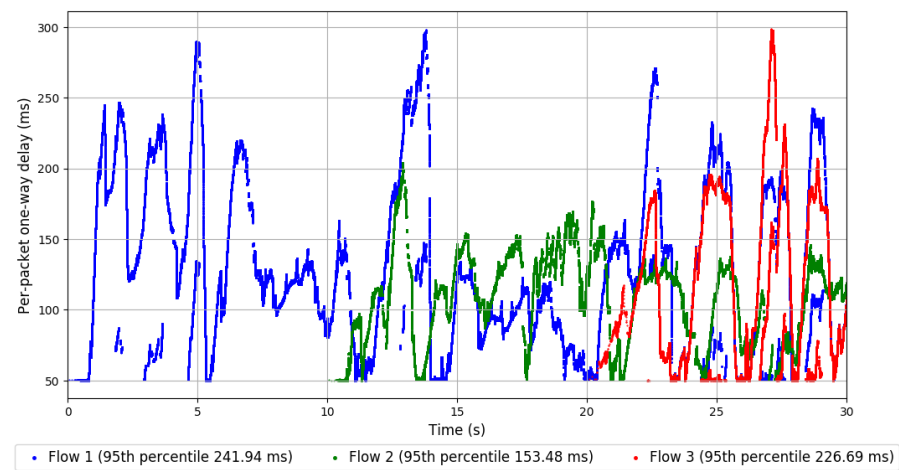
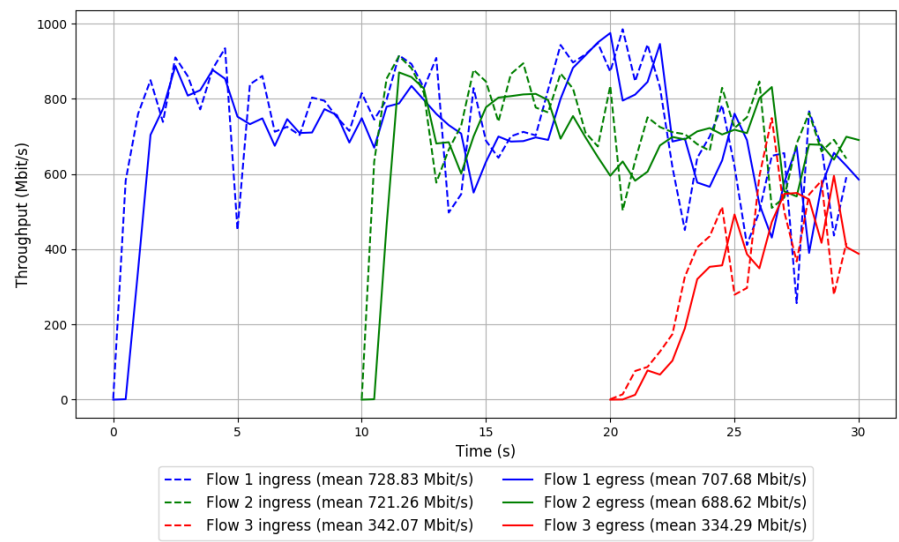
-- Flow 3:

Average throughput: 334.29 Mbit/s

95th percentile per-packet one-way delay: 226.695 ms

Loss rate: 2.25%

Run 4: Report of FillP — Data Link

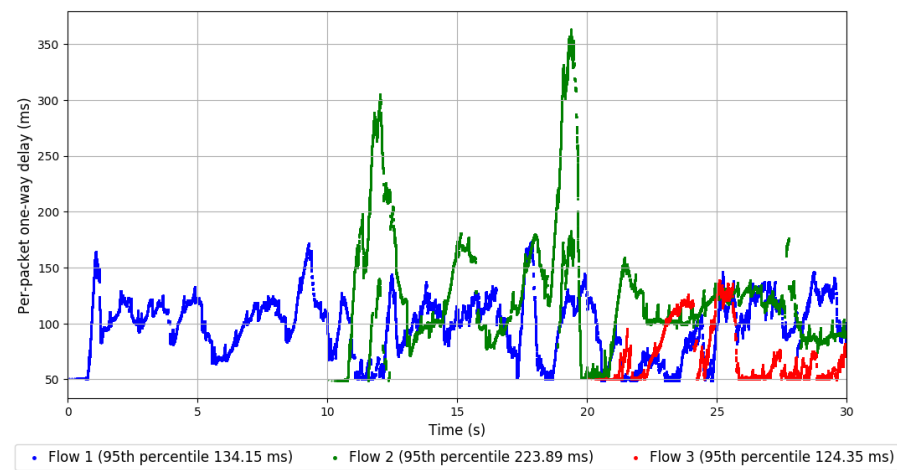
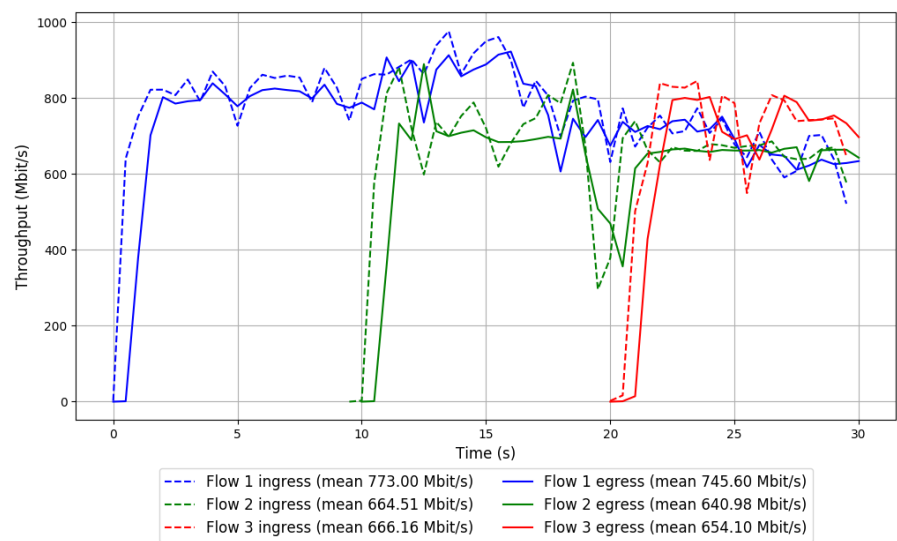


Run 5: Statistics of FillP

Start at: 2018-07-12 05:47:44  
End at: 2018-07-12 05:48:14  
Local clock offset: -0.043 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 09:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1389.66 Mbit/s  
95th percentile per-packet one-way delay: 164.729 ms  
Loss rate: 3.27%  
-- Flow 1:  
Average throughput: 745.60 Mbit/s  
95th percentile per-packet one-way delay: 134.145 ms  
Loss rate: 3.54%  
-- Flow 2:  
Average throughput: 640.98 Mbit/s  
95th percentile per-packet one-way delay: 223.893 ms  
Loss rate: 3.52%  
-- Flow 3:  
Average throughput: 654.10 Mbit/s  
95th percentile per-packet one-way delay: 124.354 ms  
Loss rate: 1.81%

Run 5: Report of FillP — Data Link

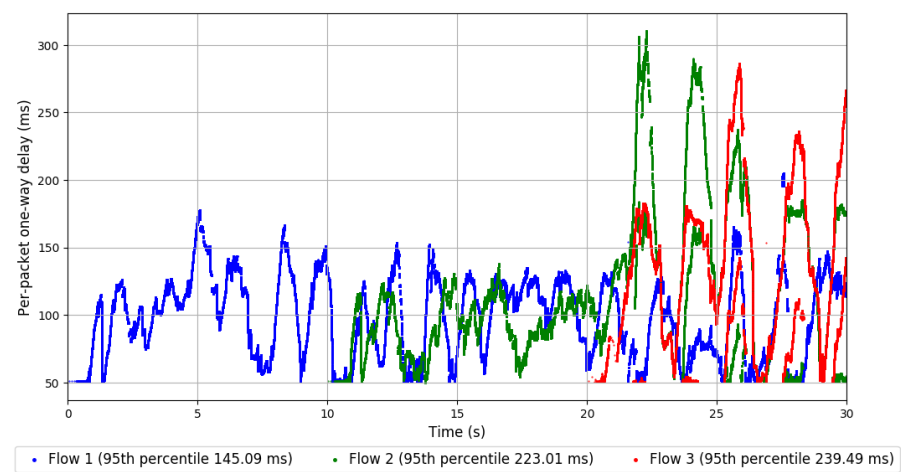
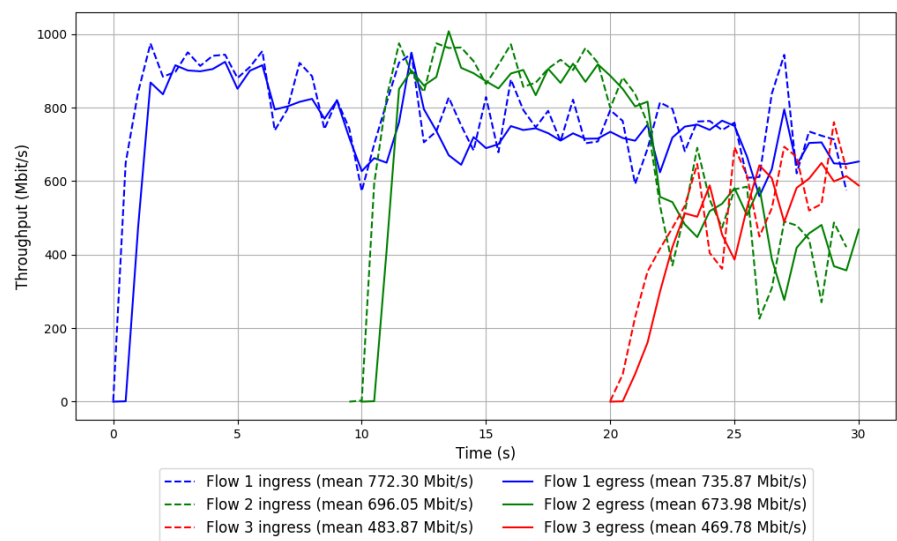


Run 6: Statistics of FillP

Start at: 2018-07-12 06:12:31  
End at: 2018-07-12 06:13:01  
Local clock offset: -0.127 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-12 09:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1340.45 Mbit/s  
95th percentile per-packet one-way delay: 191.144 ms  
Loss rate: 3.99%  
-- Flow 1:  
Average throughput: 735.87 Mbit/s  
95th percentile per-packet one-way delay: 145.091 ms  
Loss rate: 4.72%  
-- Flow 2:  
Average throughput: 673.98 Mbit/s  
95th percentile per-packet one-way delay: 223.007 ms  
Loss rate: 3.16%  
-- Flow 3:  
Average throughput: 469.78 Mbit/s  
95th percentile per-packet one-way delay: 239.487 ms  
Loss rate: 2.92%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-12 06:37:34

End at: 2018-07-12 06:38:04

Local clock offset: 0.28 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-12 09:11:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1238.48 Mbit/s

95th percentile per-packet one-way delay: 259.273 ms

Loss rate: 5.11%

-- Flow 1:

Average throughput: 673.98 Mbit/s

95th percentile per-packet one-way delay: 272.794 ms

Loss rate: 3.37%

-- Flow 2:

Average throughput: 655.70 Mbit/s

95th percentile per-packet one-way delay: 165.706 ms

Loss rate: 6.44%

-- Flow 3:

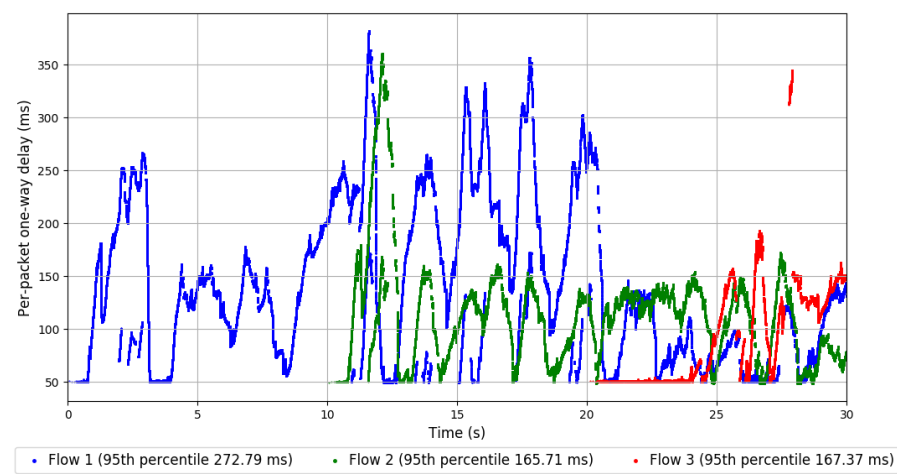
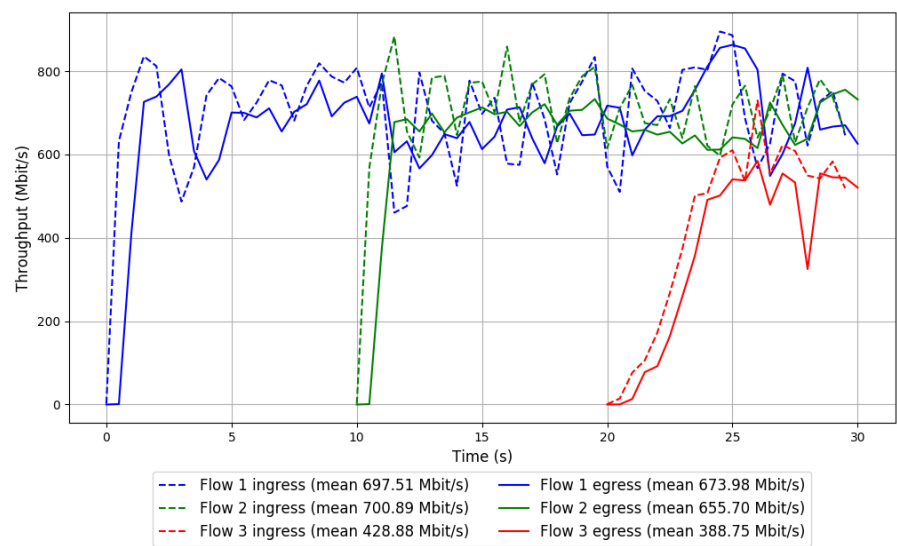
Average throughput: 388.75 Mbit/s

95th percentile per-packet one-way delay: 167.368 ms

Loss rate: 9.35%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-12 07:02:16

End at: 2018-07-12 07:02:46

Local clock offset: -0.05 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 09:11:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1266.93 Mbit/s

95th percentile per-packet one-way delay: 192.639 ms

Loss rate: 3.60%

-- Flow 1:

Average throughput: 716.03 Mbit/s

95th percentile per-packet one-way delay: 217.187 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 599.45 Mbit/s

95th percentile per-packet one-way delay: 161.393 ms

Loss rate: 4.69%

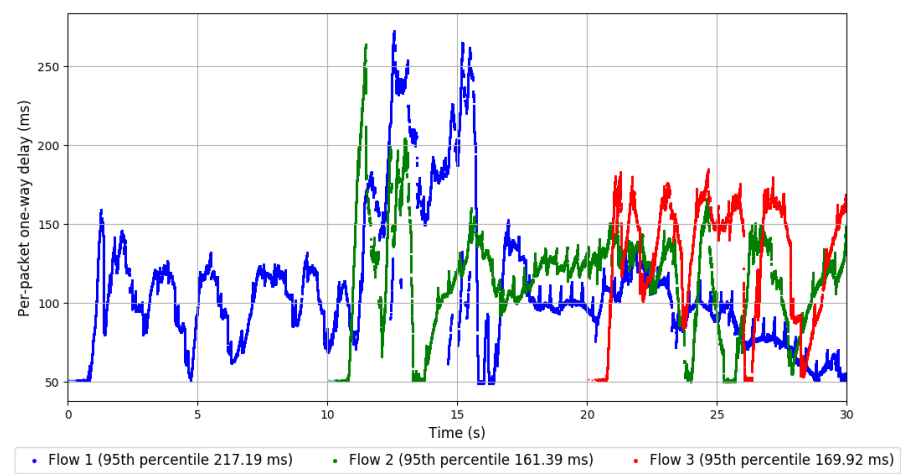
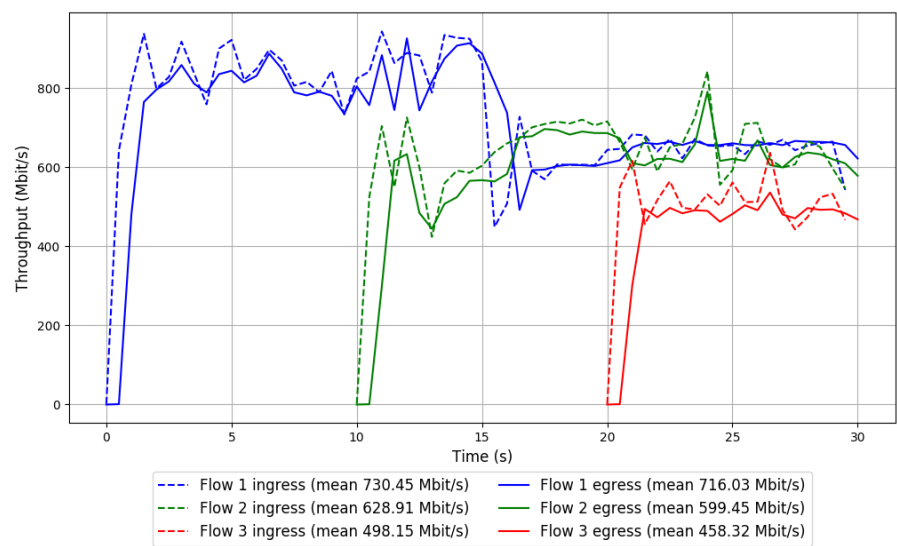
-- Flow 3:

Average throughput: 458.32 Mbit/s

95th percentile per-packet one-way delay: 169.917 ms

Loss rate: 8.00%

Run 8: Report of FillP — Data Link

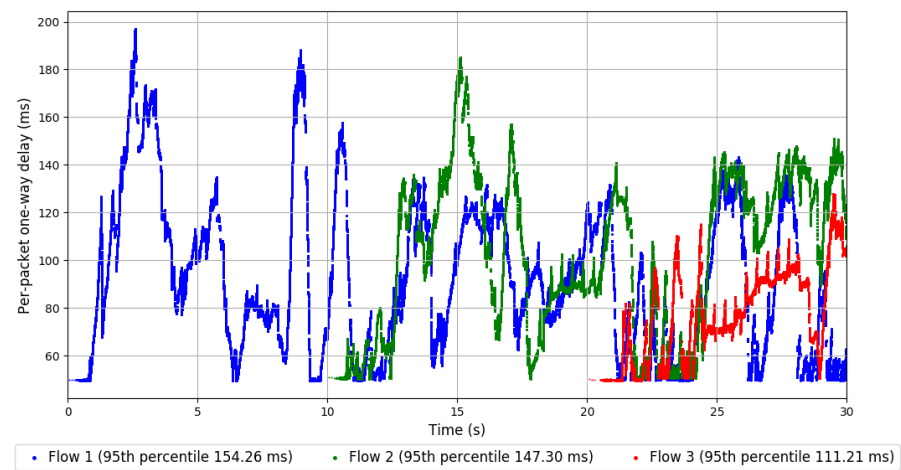
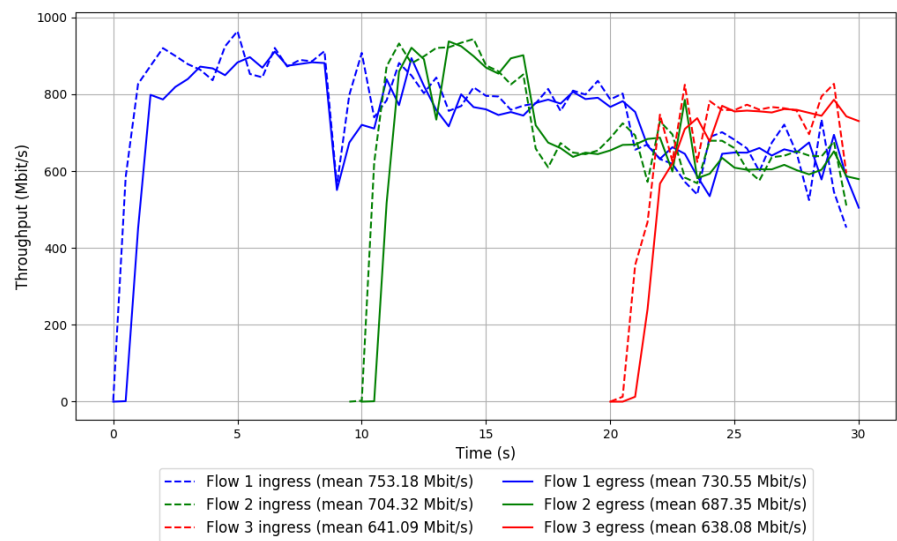


Run 9: Statistics of FillP

Start at: 2018-07-12 07:27:11  
End at: 2018-07-12 07:27:41  
Local clock offset: -0.015 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 09:35:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1399.16 Mbit/s  
95th percentile per-packet one-way delay: 146.904 ms  
Loss rate: 2.43%  
-- Flow 1:  
Average throughput: 730.55 Mbit/s  
95th percentile per-packet one-way delay: 154.256 ms  
Loss rate: 3.00%  
-- Flow 2:  
Average throughput: 687.35 Mbit/s  
95th percentile per-packet one-way delay: 147.300 ms  
Loss rate: 2.41%  
-- Flow 3:  
Average throughput: 638.08 Mbit/s  
95th percentile per-packet one-way delay: 111.206 ms  
Loss rate: 0.46%

Run 9: Report of FillP — Data Link

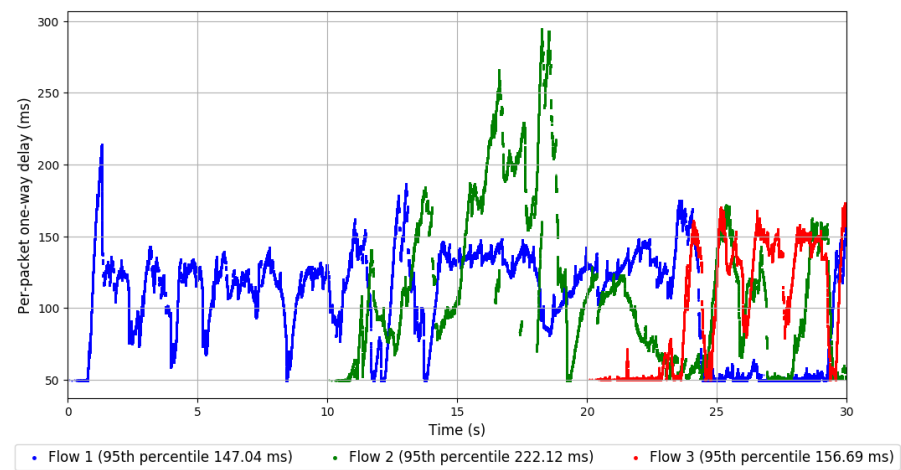
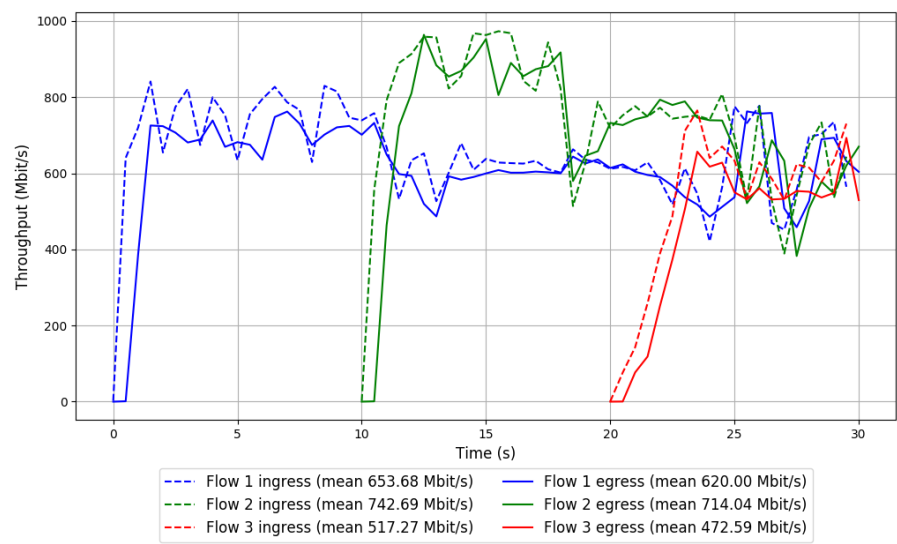


Run 10: Statistics of FillP

Start at: 2018-07-12 07:52:14  
End at: 2018-07-12 07:52:44  
Local clock offset: -0.044 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-07-12 09:35:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1251.24 Mbit/s  
95th percentile per-packet one-way delay: 186.237 ms  
Loss rate: 5.11%  
-- Flow 1:  
Average throughput: 620.00 Mbit/s  
95th percentile per-packet one-way delay: 147.041 ms  
Loss rate: 5.14%  
-- Flow 2:  
Average throughput: 714.04 Mbit/s  
95th percentile per-packet one-way delay: 222.121 ms  
Loss rate: 3.86%  
-- Flow 3:  
Average throughput: 472.59 Mbit/s  
95th percentile per-packet one-way delay: 156.693 ms  
Loss rate: 8.65%

Run 10: Report of FillP — Data Link



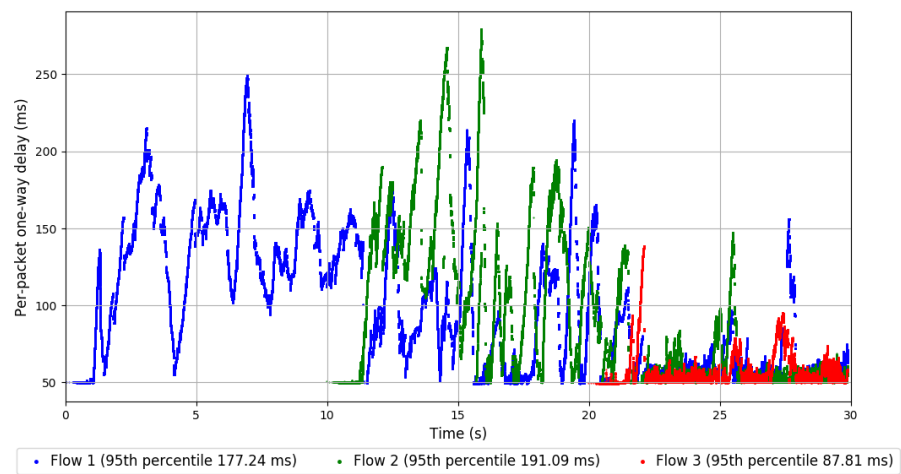
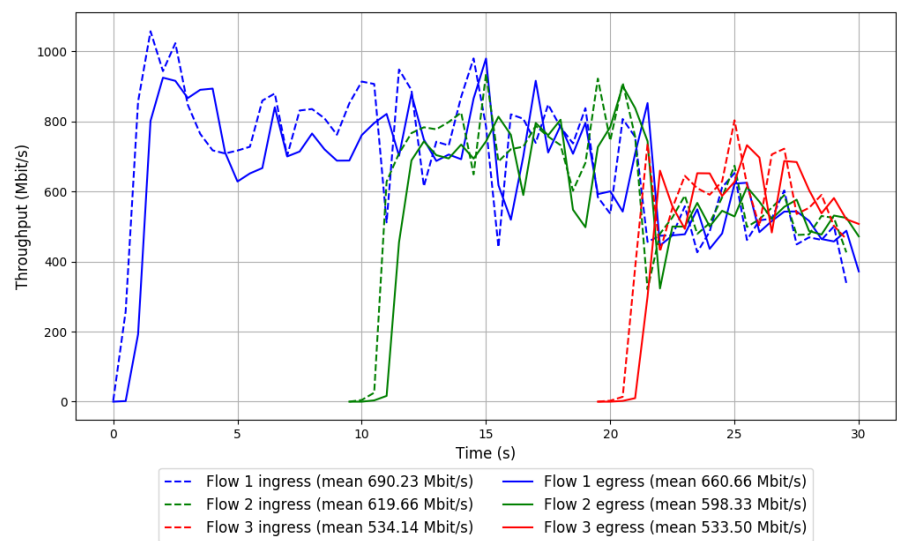
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-12 03:51:43  
End at: 2018-07-12 03:52:13  
Local clock offset: 0.267 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-07-12 09:35:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1237.04 Mbit/s  
95th percentile per-packet one-way delay: 177.764 ms  
Loss rate: 3.44%  
-- Flow 1:  
Average throughput: 660.66 Mbit/s  
95th percentile per-packet one-way delay: 177.240 ms  
Loss rate: 4.29%  
-- Flow 2:  
Average throughput: 598.33 Mbit/s  
95th percentile per-packet one-way delay: 191.087 ms  
Loss rate: 3.45%  
-- Flow 3:  
Average throughput: 533.50 Mbit/s  
95th percentile per-packet one-way delay: 87.807 ms  
Loss rate: 0.12%



Run 1: Report of FillP-Sheep — Data Link

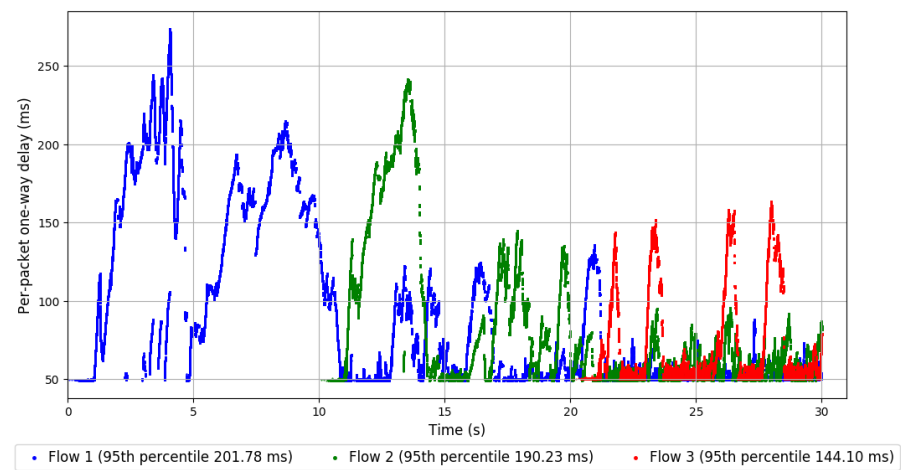
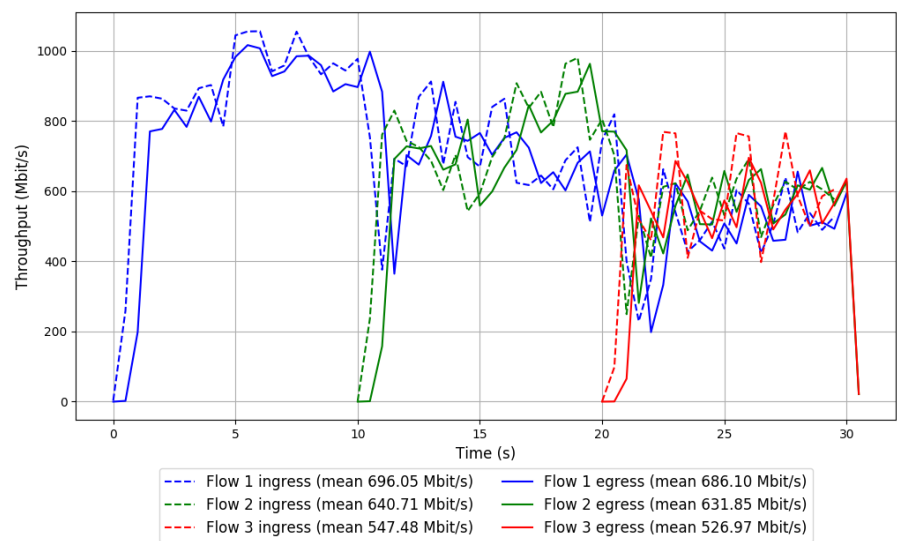


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-12 04:16:57  
End at: 2018-07-12 04:17:27  
Local clock offset: 0.267 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-07-12 09:35:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1280.13 Mbit/s  
95th percentile per-packet one-way delay: 197.323 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 686.10 Mbit/s  
95th percentile per-packet one-way delay: 201.782 ms  
Loss rate: 1.42%  
-- Flow 2:  
Average throughput: 631.85 Mbit/s  
95th percentile per-packet one-way delay: 190.234 ms  
Loss rate: 1.29%  
-- Flow 3:  
Average throughput: 526.97 Mbit/s  
95th percentile per-packet one-way delay: 144.104 ms  
Loss rate: 3.57%

Run 2: Report of FillP-Sheep — Data Link

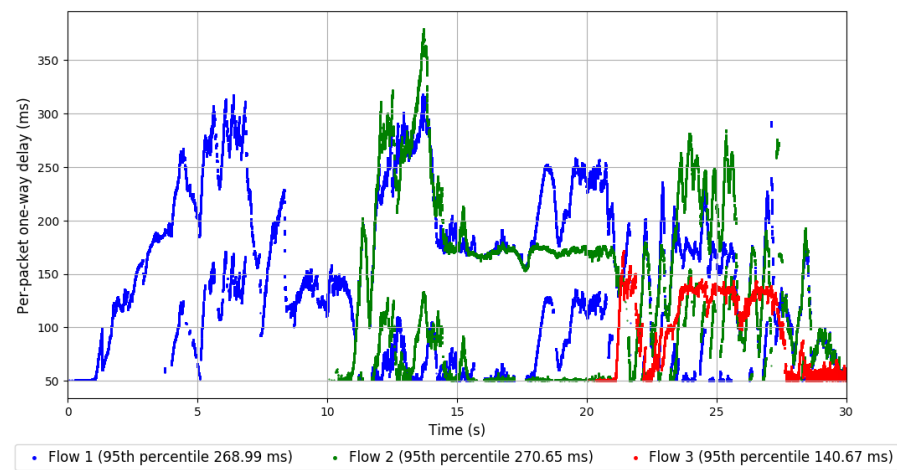
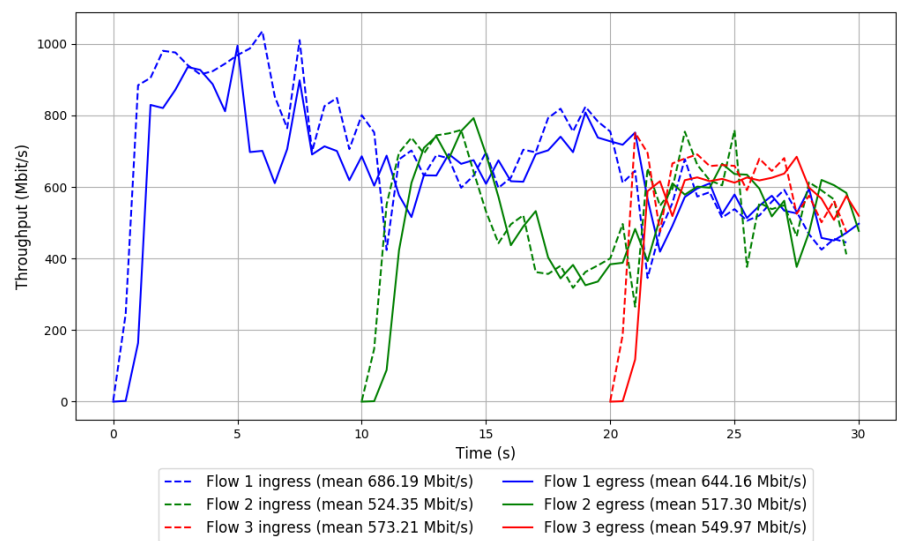


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-12 04:42:09  
End at: 2018-07-12 04:42:39  
Local clock offset: -0.116 ms  
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-12 09:35:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1170.44 Mbit/s  
95th percentile per-packet one-way delay: 264.550 ms  
Loss rate: 4.43%  
-- Flow 1:  
Average throughput: 644.16 Mbit/s  
95th percentile per-packet one-way delay: 268.987 ms  
Loss rate: 6.11%  
-- Flow 2:  
Average throughput: 517.30 Mbit/s  
95th percentile per-packet one-way delay: 270.652 ms  
Loss rate: 1.35%  
-- Flow 3:  
Average throughput: 549.97 Mbit/s  
95th percentile per-packet one-way delay: 140.673 ms  
Loss rate: 4.05%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-12 05:07:42

End at: 2018-07-12 05:08:12

Local clock offset: -0.428 ms

Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-07-12 09:37:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1298.18 Mbit/s

95th percentile per-packet one-way delay: 146.983 ms

Loss rate: 3.22%

-- Flow 1:

Average throughput: 660.26 Mbit/s

95th percentile per-packet one-way delay: 162.543 ms

Loss rate: 2.94%

-- Flow 2:

Average throughput: 674.69 Mbit/s

95th percentile per-packet one-way delay: 143.651 ms

Loss rate: 3.20%

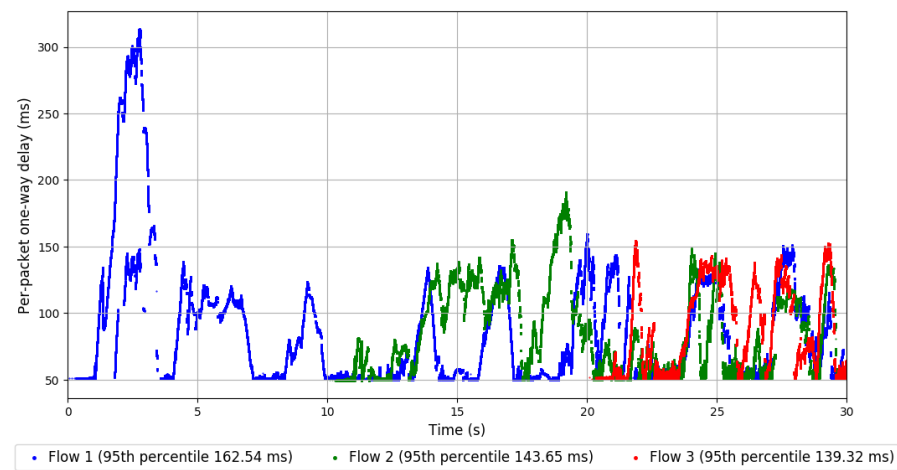
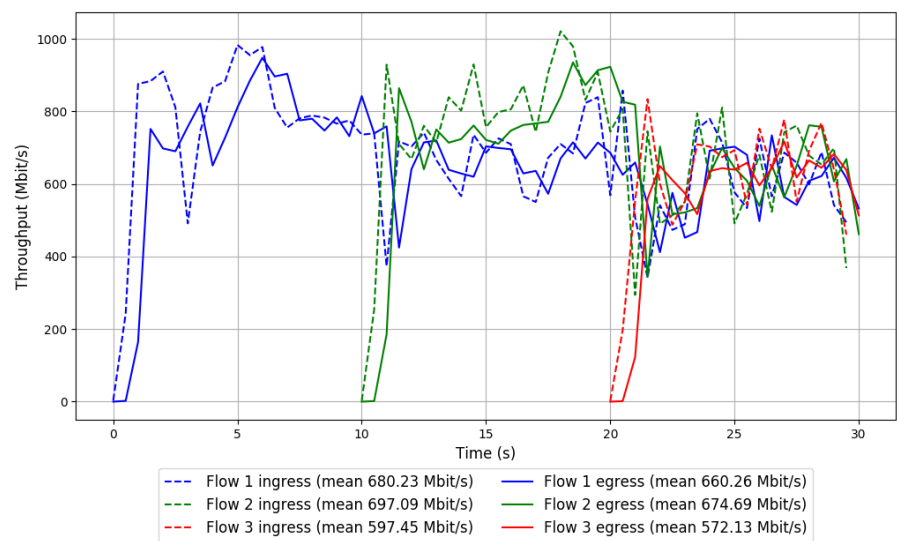
-- Flow 3:

Average throughput: 572.13 Mbit/s

95th percentile per-packet one-way delay: 139.319 ms

Loss rate: 4.24%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-12 05:32:56

End at: 2018-07-12 05:33:26

Local clock offset: 0.279 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-07-12 09:37:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1301.81 Mbit/s

95th percentile per-packet one-way delay: 172.725 ms

Loss rate: 5.11%

-- Flow 1:

Average throughput: 667.49 Mbit/s

95th percentile per-packet one-way delay: 145.346 ms

Loss rate: 6.39%

-- Flow 2:

Average throughput: 657.99 Mbit/s

95th percentile per-packet one-way delay: 199.854 ms

Loss rate: 4.83%

-- Flow 3:

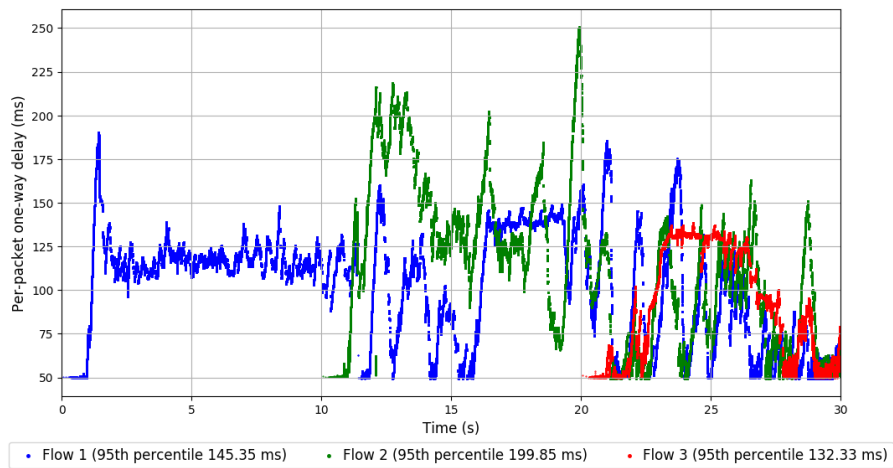
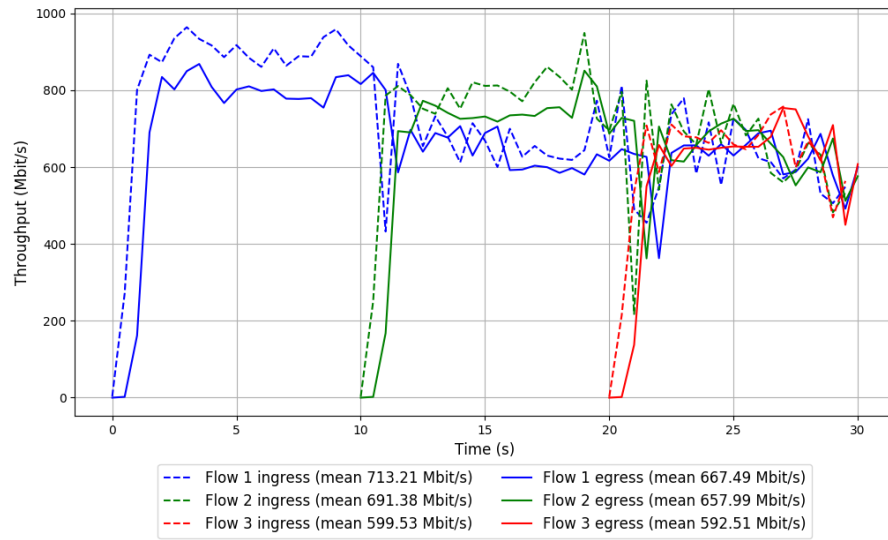
Average throughput: 592.51 Mbit/s

95th percentile per-packet one-way delay: 132.333 ms

Loss rate: 1.13%



# Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-12 05:58:07

End at: 2018-07-12 05:58:37

Local clock offset: -0.05 ms

Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-07-12 09:37:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 786.11 Mbit/s

95th percentile per-packet one-way delay: 269.664 ms

Loss rate: 7.83%

-- Flow 1:

Average throughput: 137.94 Mbit/s

95th percentile per-packet one-way delay: 309.840 ms

Loss rate: 6.62%

-- Flow 2:

Average throughput: 671.16 Mbit/s

95th percentile per-packet one-way delay: 177.327 ms

Loss rate: 8.10%

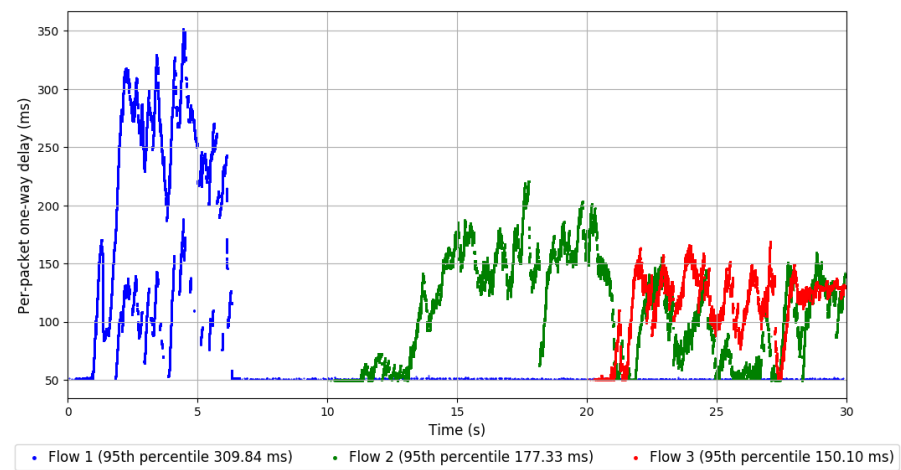
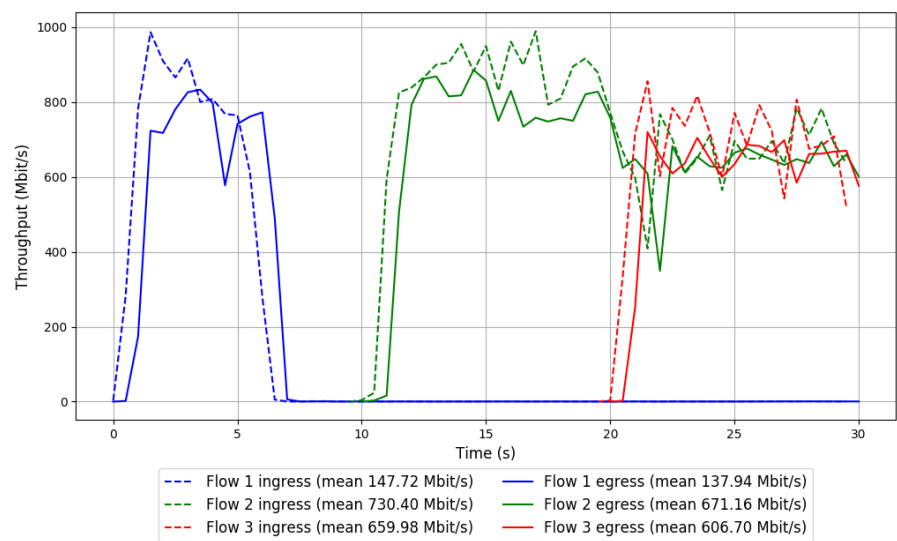
-- Flow 3:

Average throughput: 606.70 Mbit/s

95th percentile per-packet one-way delay: 150.100 ms

Loss rate: 8.07%

Run 6: Report of FillP-Sheep — Data Link

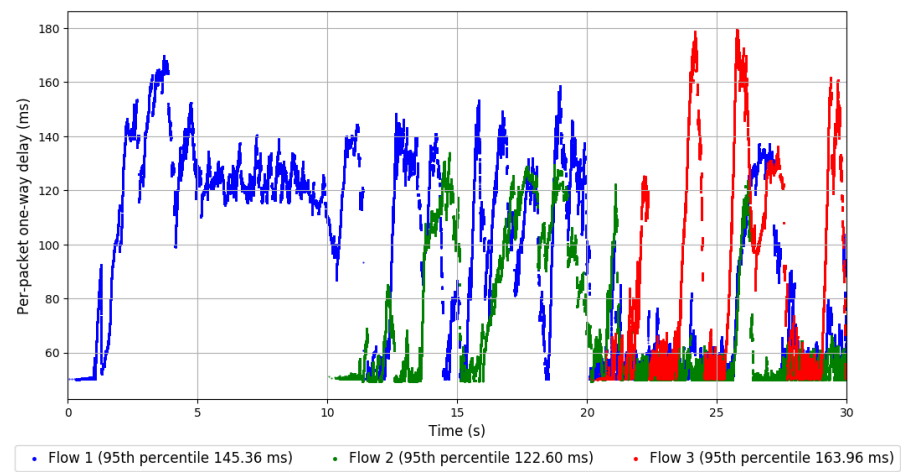
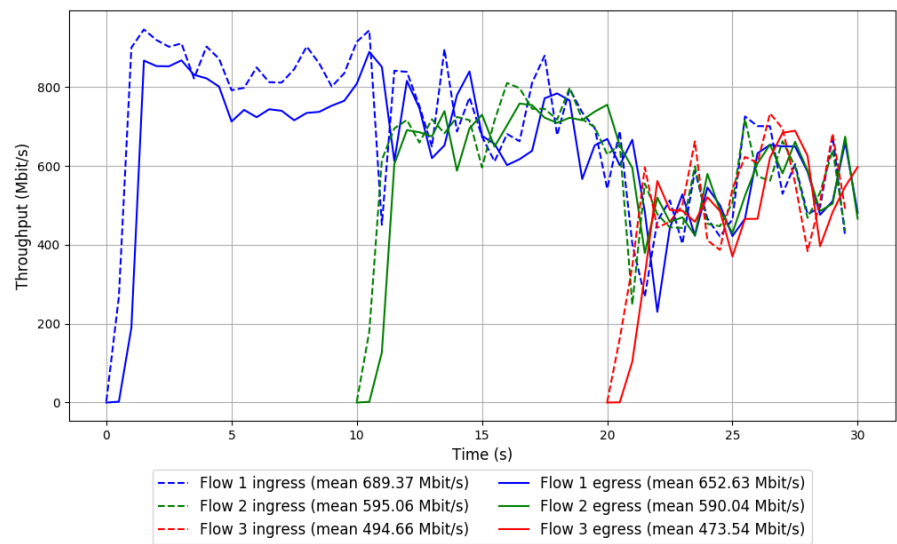


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-12 06:22:53  
End at: 2018-07-12 06:23:23  
Local clock offset: 0.225 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-12 09:54:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1201.71 Mbit/s  
95th percentile per-packet one-way delay: 143.167 ms  
Loss rate: 3.77%  
-- Flow 1:  
Average throughput: 652.63 Mbit/s  
95th percentile per-packet one-way delay: 145.364 ms  
Loss rate: 5.33%  
-- Flow 2:  
Average throughput: 590.04 Mbit/s  
95th percentile per-packet one-way delay: 122.599 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 473.54 Mbit/s  
95th percentile per-packet one-way delay: 163.959 ms  
Loss rate: 4.28%

Run 7: Report of FillP-Sheep — Data Link

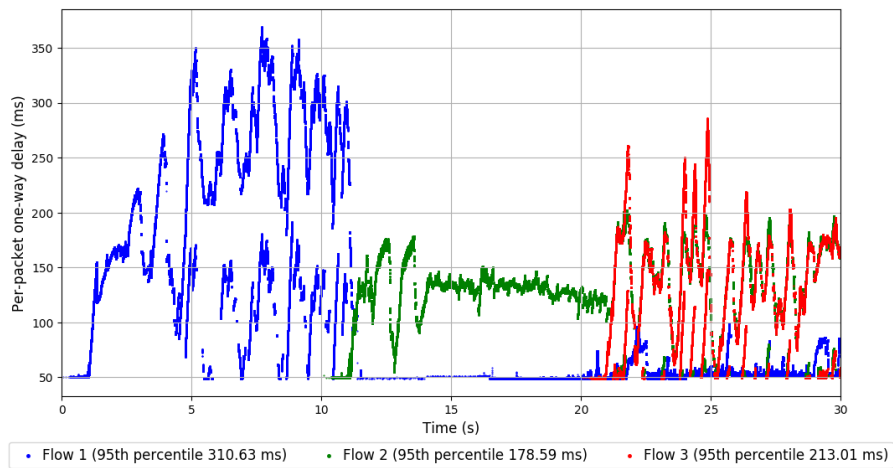
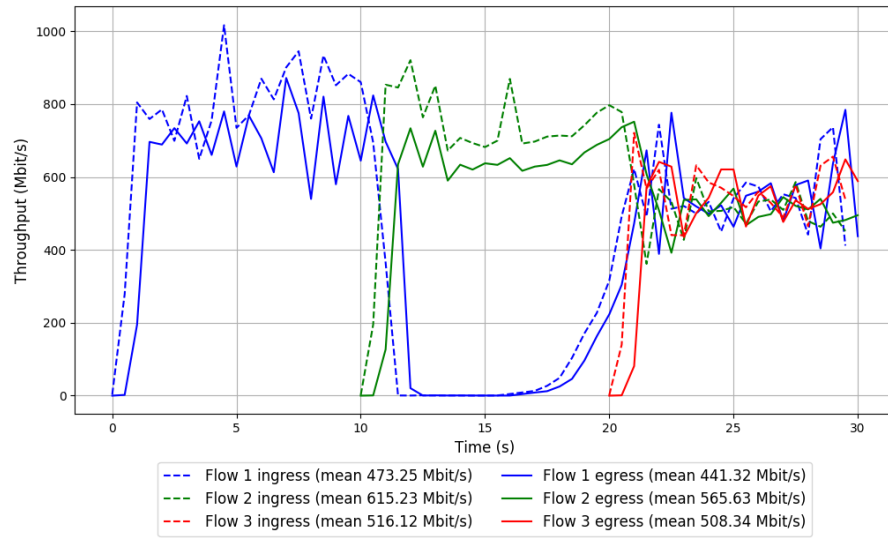


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-12 06:47:50  
End at: 2018-07-12 06:48:20  
Local clock offset: -0.092 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 09:54:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 985.73 Mbit/s  
95th percentile per-packet one-way delay: 284.307 ms  
Loss rate: 6.41%  
-- Flow 1:  
Average throughput: 441.32 Mbit/s  
95th percentile per-packet one-way delay: 310.630 ms  
Loss rate: 6.75%  
-- Flow 2:  
Average throughput: 565.63 Mbit/s  
95th percentile per-packet one-way delay: 178.586 ms  
Loss rate: 8.07%  
-- Flow 3:  
Average throughput: 508.34 Mbit/s  
95th percentile per-packet one-way delay: 213.013 ms  
Loss rate: 1.49%

# Run 8: Report of FillP-Sheep — Data Link



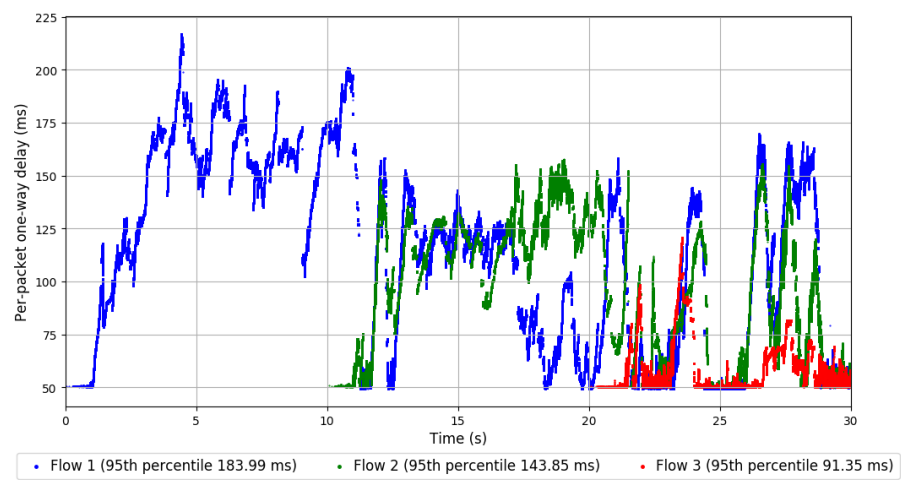
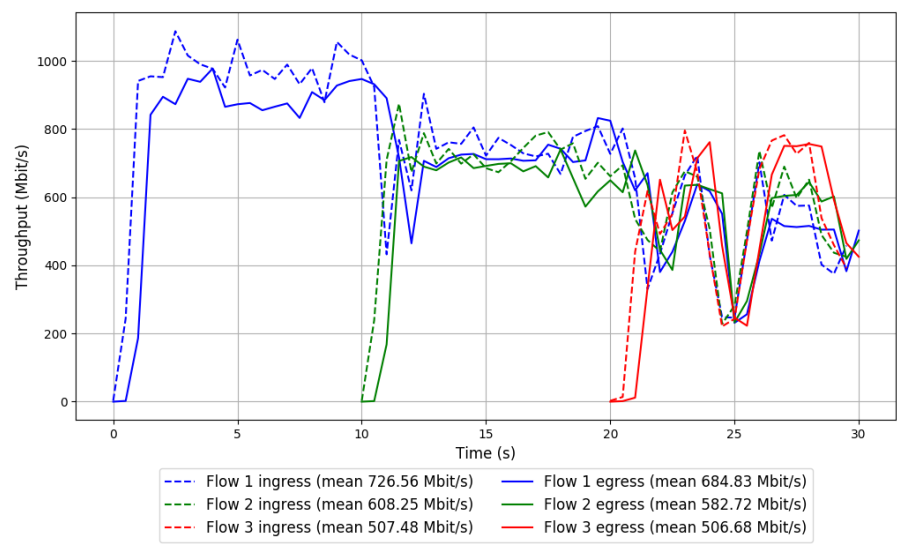
Run 9: Statistics of FillP-Sheep

Start at: 2018-07-12 07:12:35  
End at: 2018-07-12 07:13:05  
Local clock offset: 0.319 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1240.49 Mbit/s  
95th percentile per-packet one-way delay: 173.898 ms  
Loss rate: 4.54%  
-- Flow 1:  
Average throughput: 684.83 Mbit/s  
95th percentile per-packet one-way delay: 183.987 ms  
Loss rate: 5.74%  
-- Flow 2:  
Average throughput: 582.72 Mbit/s  
95th percentile per-packet one-way delay: 143.849 ms  
Loss rate: 4.20%  
-- Flow 3:  
Average throughput: 506.68 Mbit/s  
95th percentile per-packet one-way delay: 91.349 ms  
Loss rate: 0.16%



Run 9: Report of FillP-Sheep — Data Link

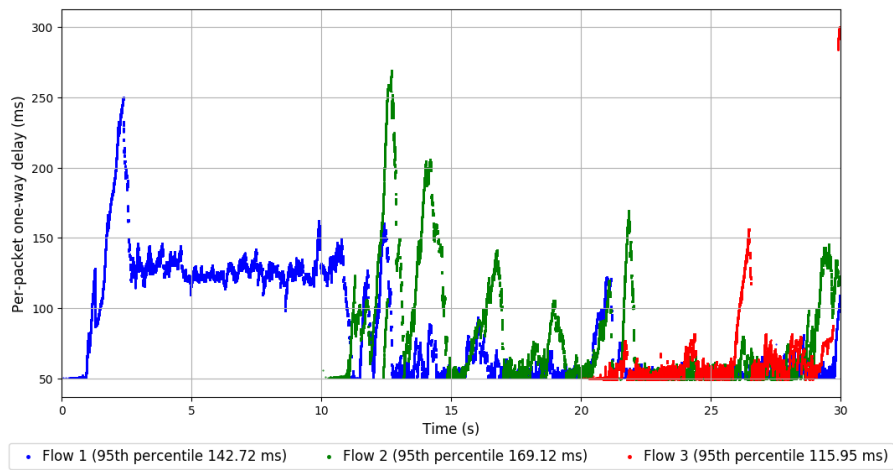
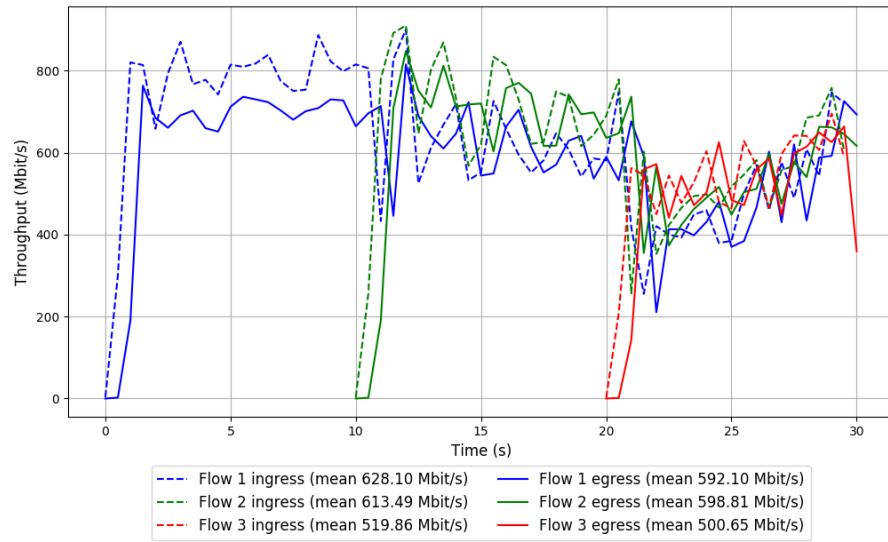


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-12 07:37:33  
End at: 2018-07-12 07:38:03  
Local clock offset: 0.013 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1156.30 Mbit/s  
95th percentile per-packet one-way delay: 149.172 ms  
Loss rate: 4.32%  
-- Flow 1:  
Average throughput: 592.10 Mbit/s  
95th percentile per-packet one-way delay: 142.716 ms  
Loss rate: 5.73%  
-- Flow 2:  
Average throughput: 598.81 Mbit/s  
95th percentile per-packet one-way delay: 169.118 ms  
Loss rate: 2.41%  
-- Flow 3:  
Average throughput: 500.65 Mbit/s  
95th percentile per-packet one-way delay: 115.955 ms  
Loss rate: 3.67%

# Run 10: Report of FillP-Sheep — Data Link

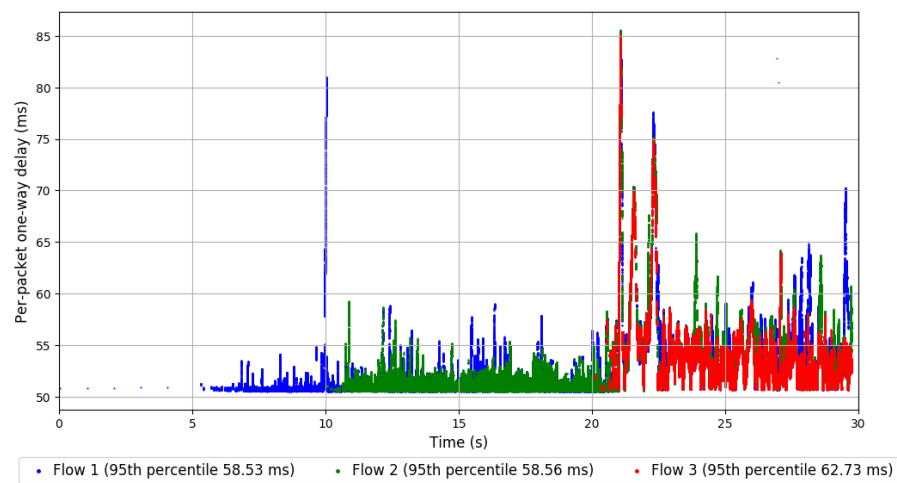
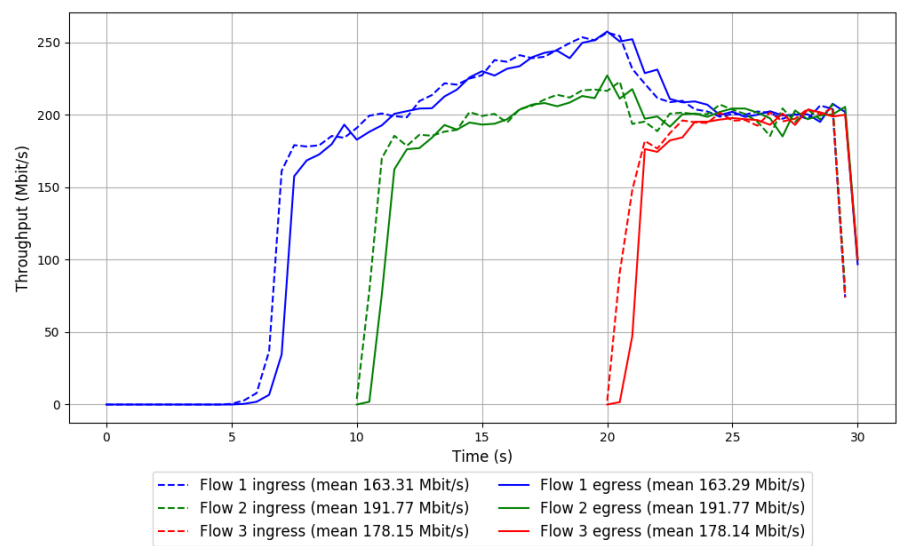


```
Run 1: Statistics of Indigo

Start at: 2018-07-12 04:09:51
End at: 2018-07-12 04:10:21
Local clock offset: -0.453 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 09:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.12 Mbit/s
95th percentile per-packet one-way delay: 58.932 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 163.29 Mbit/s
95th percentile per-packet one-way delay: 58.529 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 191.77 Mbit/s
95th percentile per-packet one-way delay: 58.557 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 62.734 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo — Data Link

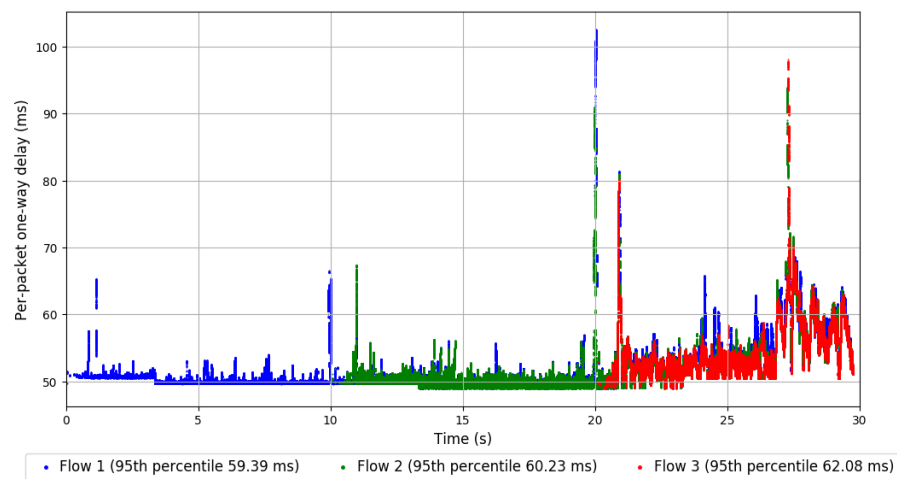
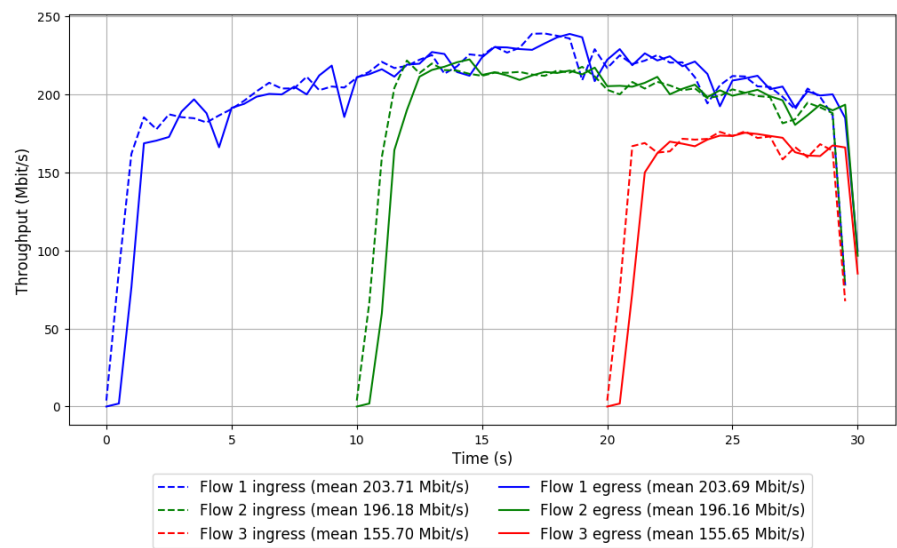


Run 2: Statistics of Indigo

Start at: 2018-07-12 04:35:00  
End at: 2018-07-12 04:35:30  
Local clock offset: -0.099 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 384.25 Mbit/s  
95th percentile per-packet one-way delay: 60.392 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 203.69 Mbit/s  
95th percentile per-packet one-way delay: 59.388 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 196.16 Mbit/s  
95th percentile per-packet one-way delay: 60.225 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 155.65 Mbit/s  
95th percentile per-packet one-way delay: 62.076 ms  
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



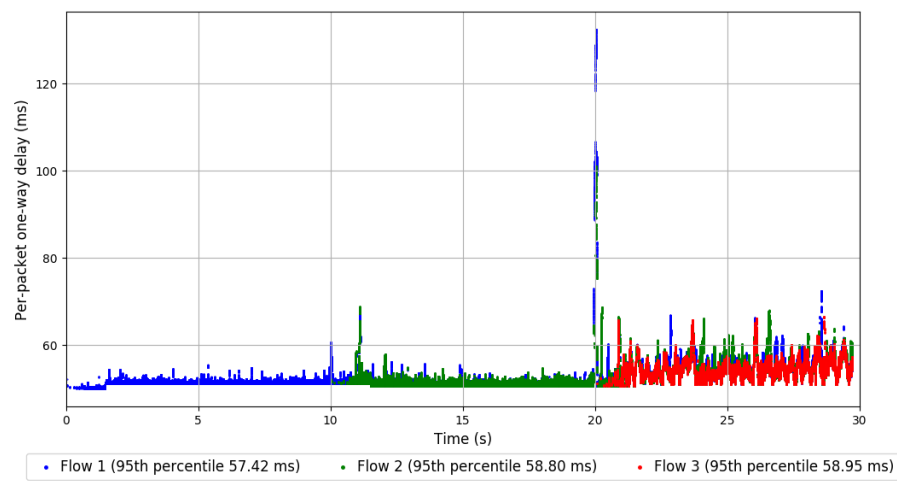
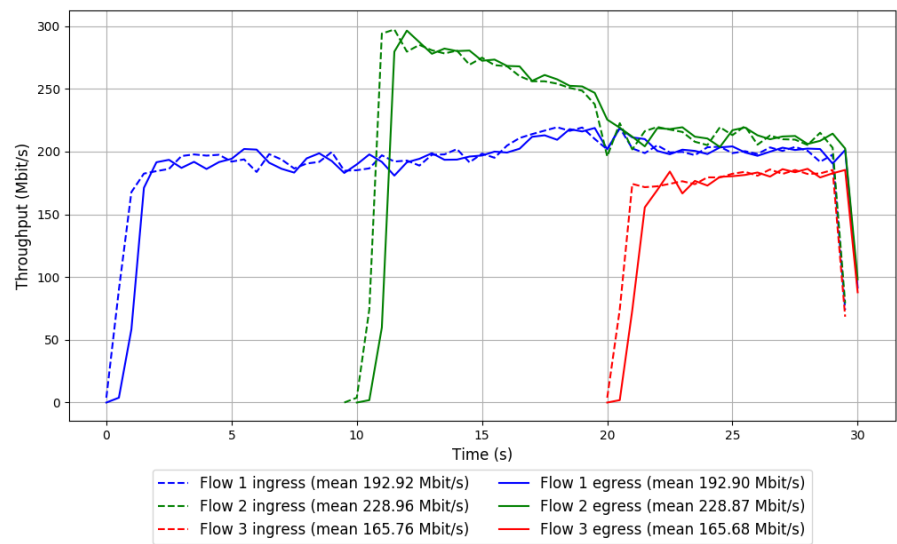
Run 3: Statistics of Indigo

Start at: 2018-07-12 05:00:22  
End at: 2018-07-12 05:00:52  
Local clock offset: -0.447 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 398.53 Mbit/s  
95th percentile per-packet one-way delay: 58.260 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 192.90 Mbit/s  
95th percentile per-packet one-way delay: 57.417 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 228.87 Mbit/s  
95th percentile per-packet one-way delay: 58.800 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 165.68 Mbit/s  
95th percentile per-packet one-way delay: 58.949 ms  
Loss rate: 0.05%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-12 05:25:44

End at: 2018-07-12 05:26:14

Local clock offset: 0.238 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 382.59 Mbit/s

95th percentile per-packet one-way delay: 62.026 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 205.09 Mbit/s

95th percentile per-packet one-way delay: 61.076 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 195.16 Mbit/s

95th percentile per-packet one-way delay: 62.317 ms

Loss rate: 0.01%

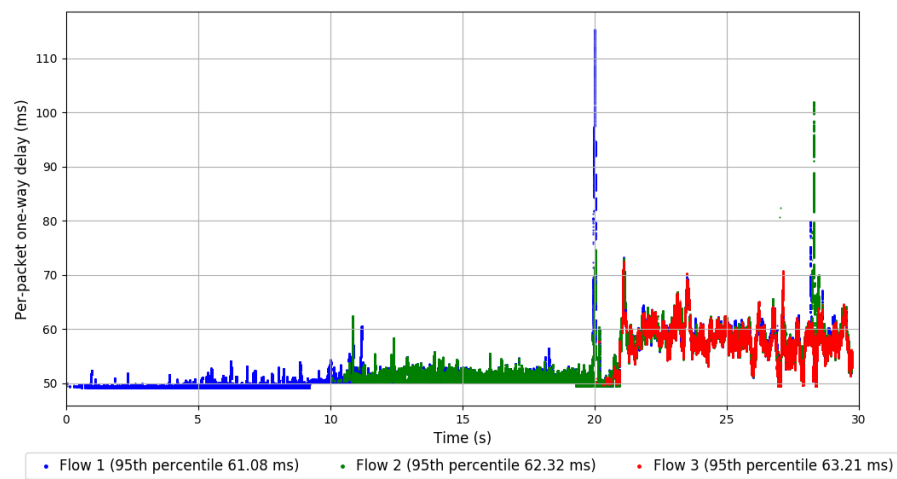
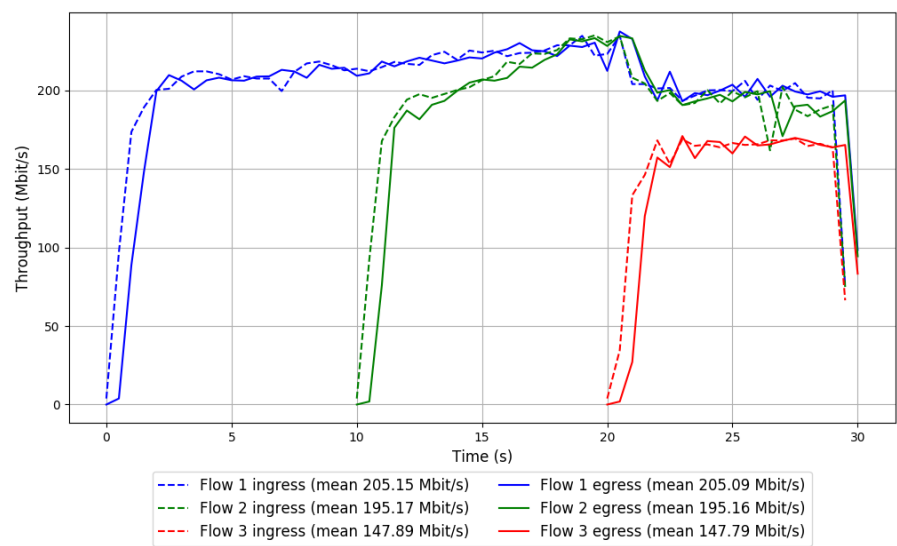
-- Flow 3:

Average throughput: 147.79 Mbit/s

95th percentile per-packet one-way delay: 63.212 ms

Loss rate: 0.05%

Run 4: Report of Indigo — Data Link

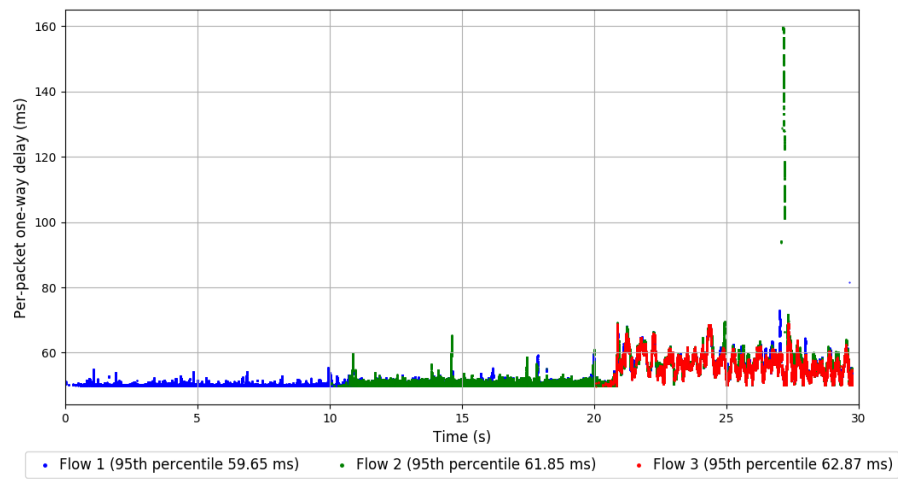
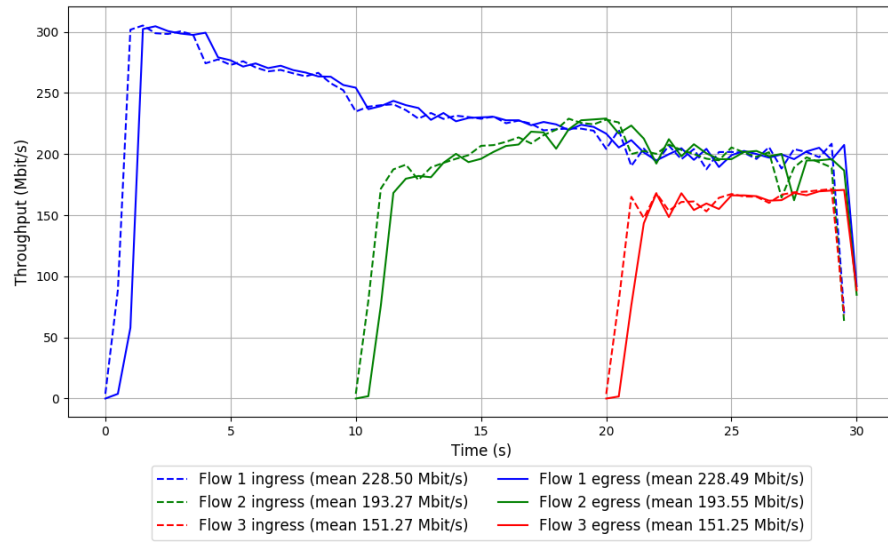


Run 5: Statistics of Indigo

Start at: 2018-07-12 05:51:00  
End at: 2018-07-12 05:51:30  
Local clock offset: 0.24 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 405.81 Mbit/s  
95th percentile per-packet one-way delay: 60.956 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 228.49 Mbit/s  
95th percentile per-packet one-way delay: 59.648 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 193.55 Mbit/s  
95th percentile per-packet one-way delay: 61.847 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 151.25 Mbit/s  
95th percentile per-packet one-way delay: 62.870 ms  
Loss rate: 0.00%

## Run 5: Report of Indigo — Data Link

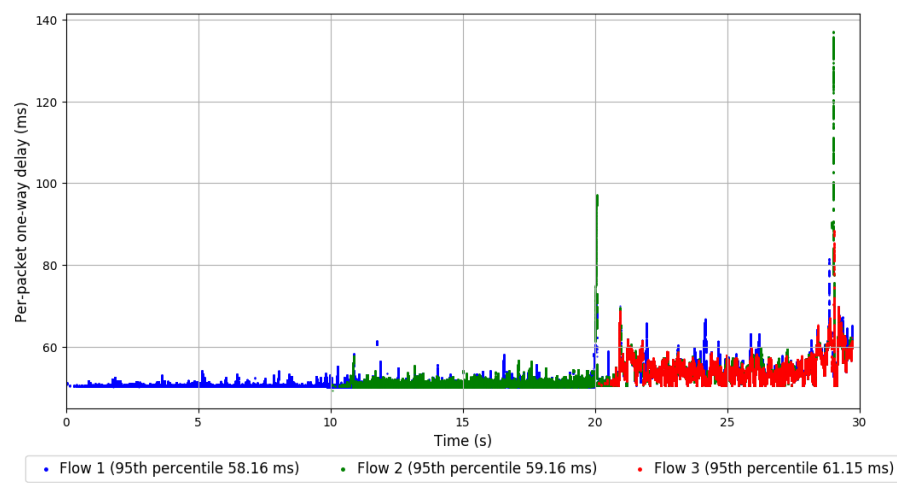
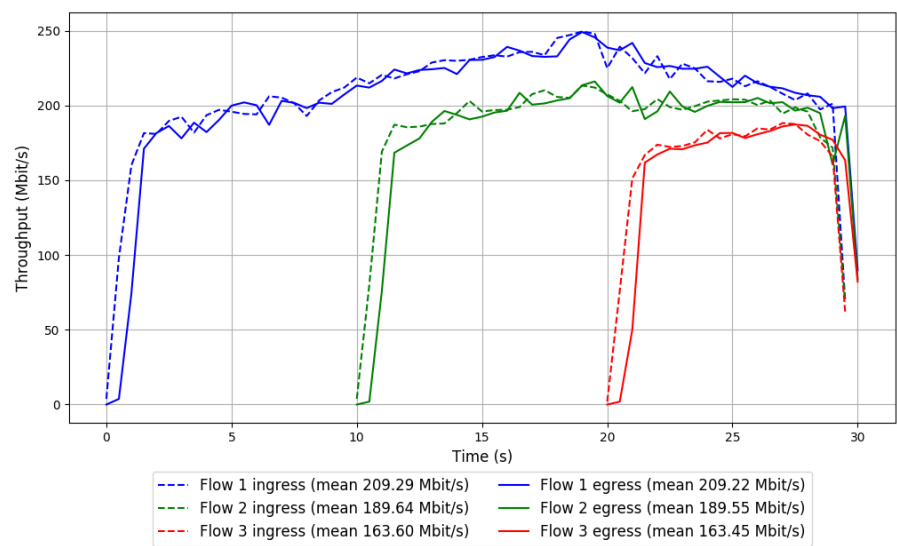


Run 6: Statistics of Indigo

Start at: 2018-07-12 06:15:44  
End at: 2018-07-12 06:16:14  
Local clock offset: -0.127 ms  
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 387.68 Mbit/s  
95th percentile per-packet one-way delay: 59.102 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 209.22 Mbit/s  
95th percentile per-packet one-way delay: 58.161 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 189.55 Mbit/s  
95th percentile per-packet one-way delay: 59.162 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 163.45 Mbit/s  
95th percentile per-packet one-way delay: 61.151 ms  
Loss rate: 0.08%

Run 6: Report of Indigo — Data Link



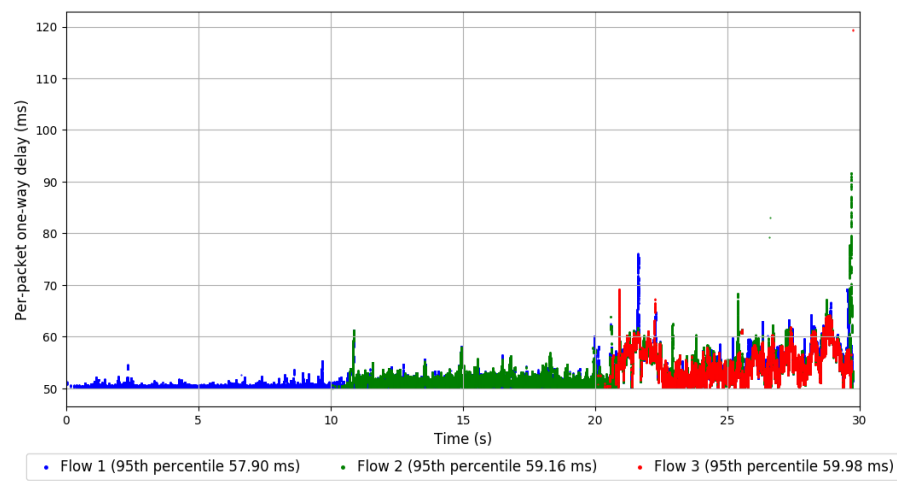
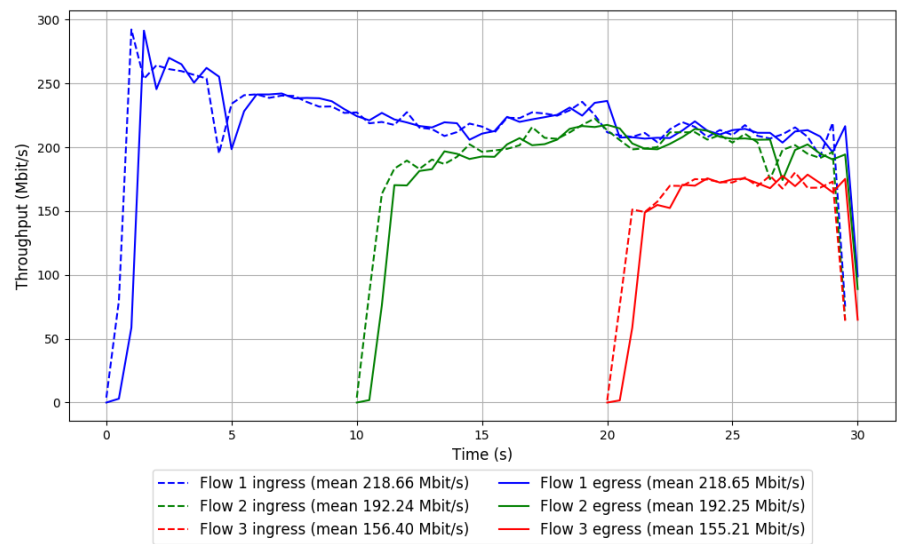
Run 7: Statistics of Indigo

Start at: 2018-07-12 06:40:43  
End at: 2018-07-12 06:41:13  
Local clock offset: -0.071 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 396.29 Mbit/s  
95th percentile per-packet one-way delay: 58.892 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 218.65 Mbit/s  
95th percentile per-packet one-way delay: 57.900 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 192.25 Mbit/s  
95th percentile per-packet one-way delay: 59.160 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 155.21 Mbit/s  
95th percentile per-packet one-way delay: 59.979 ms  
Loss rate: 0.59%



Run 7: Report of Indigo — Data Link

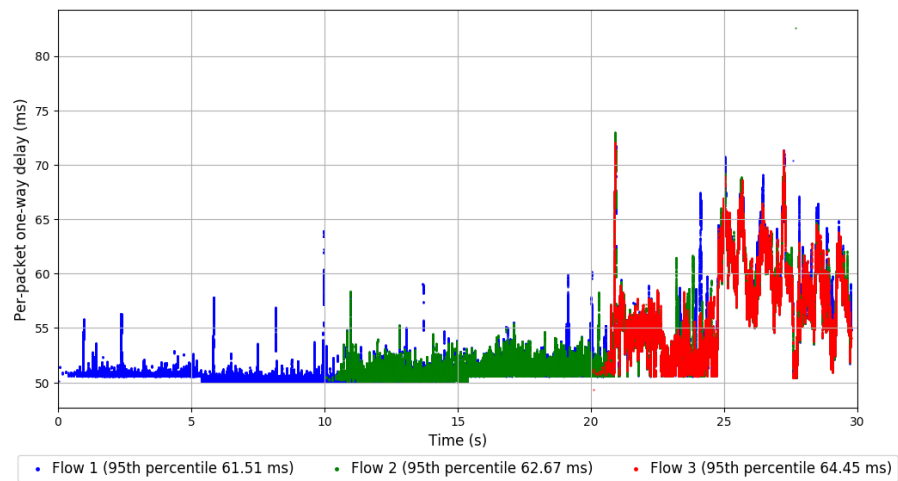
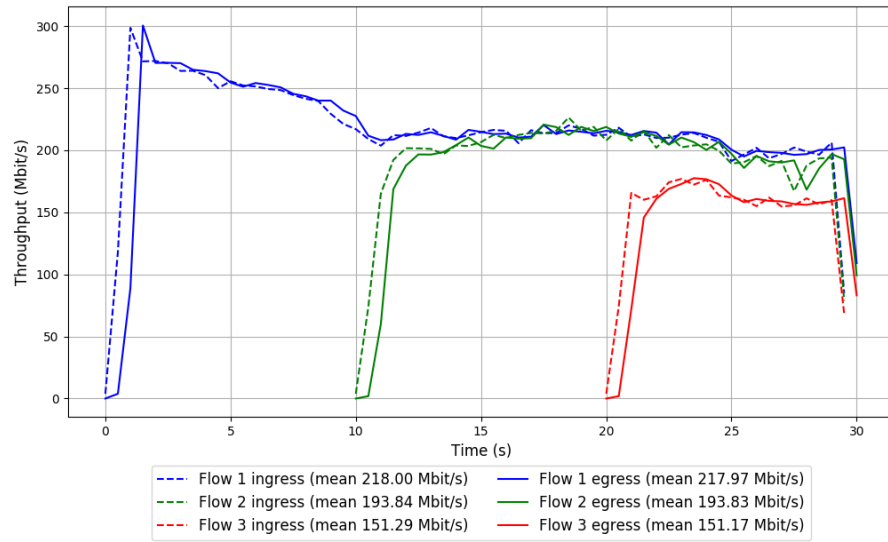


Run 8: Statistics of Indigo

Start at: 2018-07-12 07:05:28  
End at: 2018-07-12 07:05:58  
Local clock offset: -0.383 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 395.62 Mbit/s  
95th percentile per-packet one-way delay: 62.576 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 217.97 Mbit/s  
95th percentile per-packet one-way delay: 61.511 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 193.83 Mbit/s  
95th percentile per-packet one-way delay: 62.671 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 151.17 Mbit/s  
95th percentile per-packet one-way delay: 64.451 ms  
Loss rate: 0.04%

## Run 8: Report of Indigo — Data Link

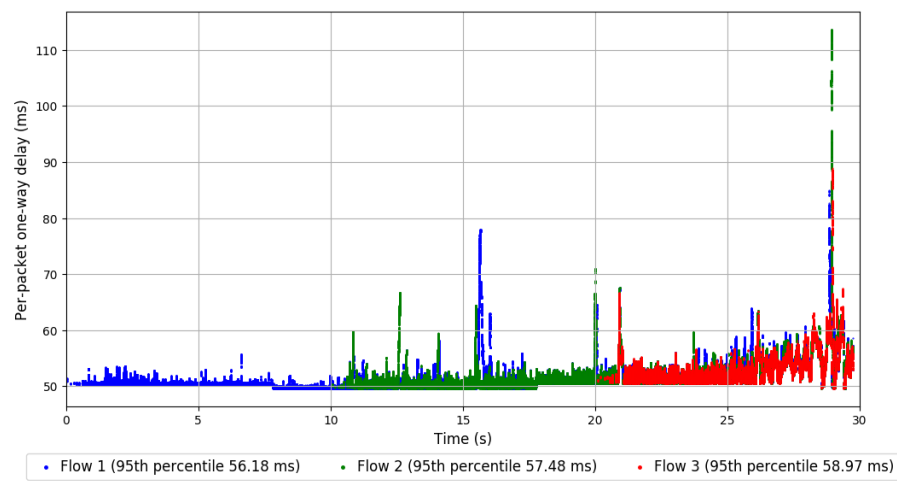
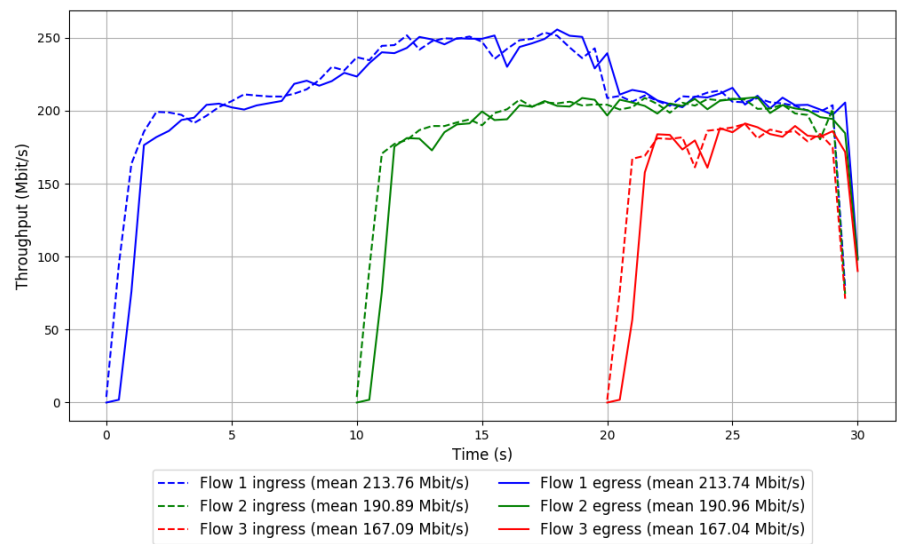


Run 9: Statistics of Indigo

Start at: 2018-07-12 07:30:26  
End at: 2018-07-12 07:30:56  
Local clock offset: -0.048 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 394.51 Mbit/s  
95th percentile per-packet one-way delay: 57.177 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 213.74 Mbit/s  
95th percentile per-packet one-way delay: 56.179 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 190.96 Mbit/s  
95th percentile per-packet one-way delay: 57.480 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 167.04 Mbit/s  
95th percentile per-packet one-way delay: 58.971 ms  
Loss rate: 0.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-12 07:55:25

End at: 2018-07-12 07:55:55

Local clock offset: 0.297 ms

Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 372.04 Mbit/s

95th percentile per-packet one-way delay: 61.078 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 196.61 Mbit/s

95th percentile per-packet one-way delay: 59.482 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.04 Mbit/s

95th percentile per-packet one-way delay: 61.452 ms

Loss rate: 0.00%

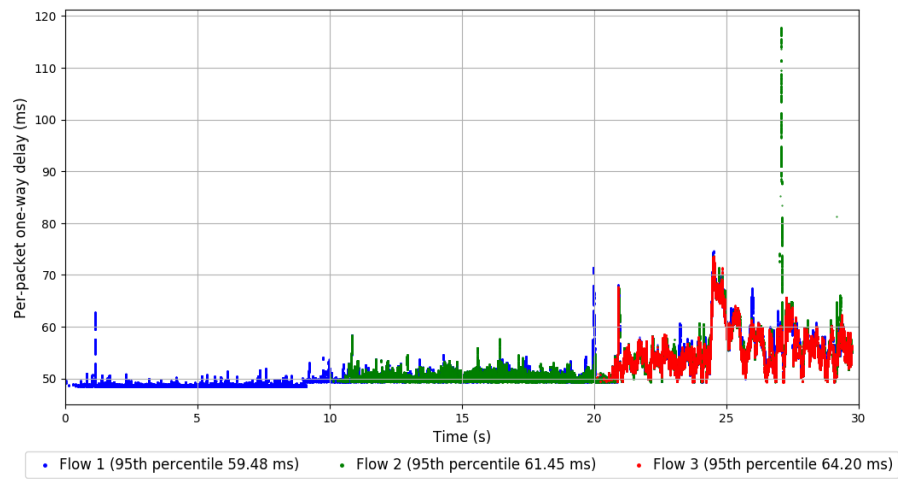
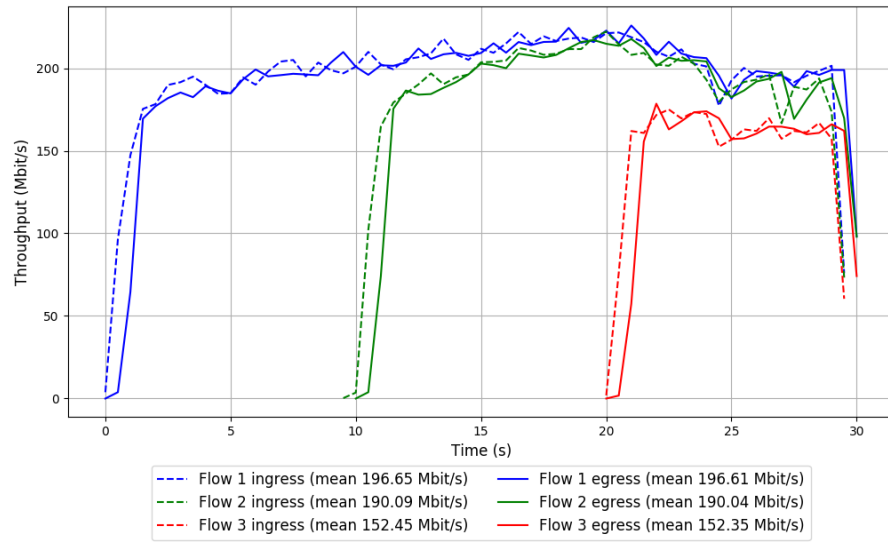
-- Flow 3:

Average throughput: 152.35 Mbit/s

95th percentile per-packet one-way delay: 64.197 ms

Loss rate: 0.00%

# Run 10: Report of Indigo — Data Link



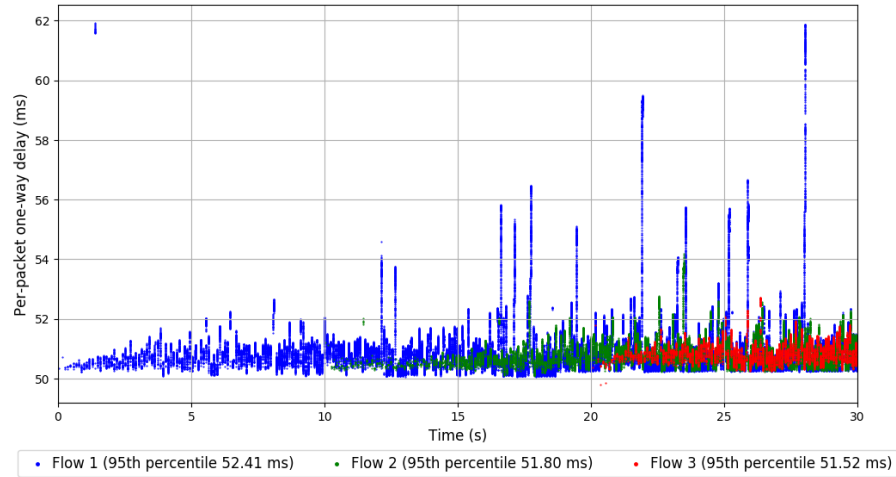
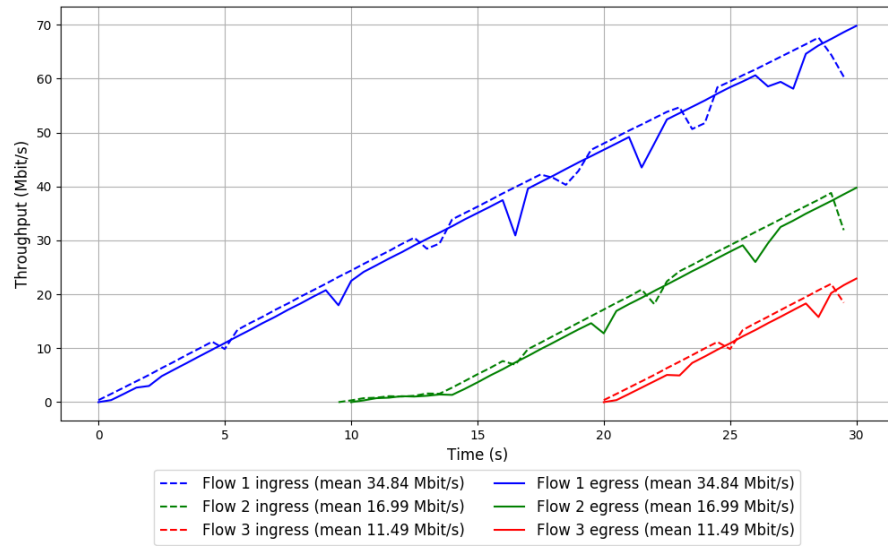
```
Run 1: Statistics of LEDBAT

Start at: 2018-07-12 04:12:55
End at: 2018-07-12 04:13:25
Local clock offset: -0.105 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-07-12 09:59:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 51.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 51.522 ms
Loss rate: 0.00%
```



## Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-12 04:38:04

End at: 2018-07-12 04:38:34

Local clock offset: -0.096 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 51.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 51.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 51.543 ms

Loss rate: 0.00%

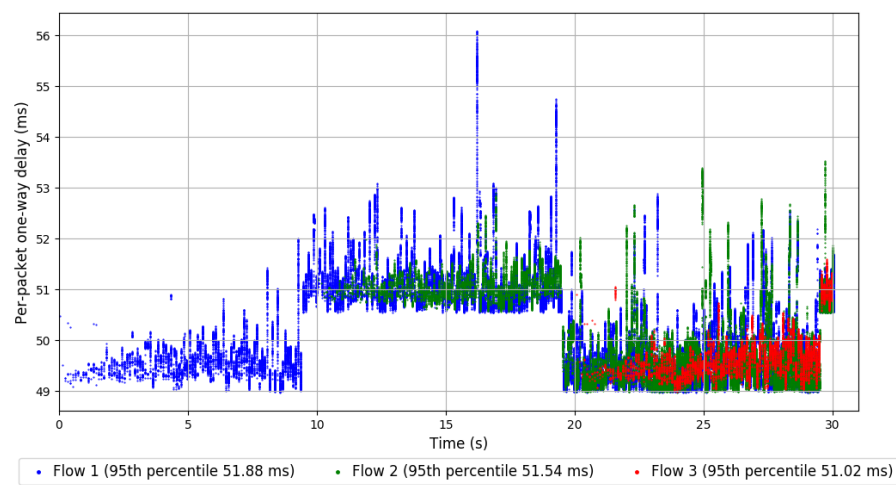
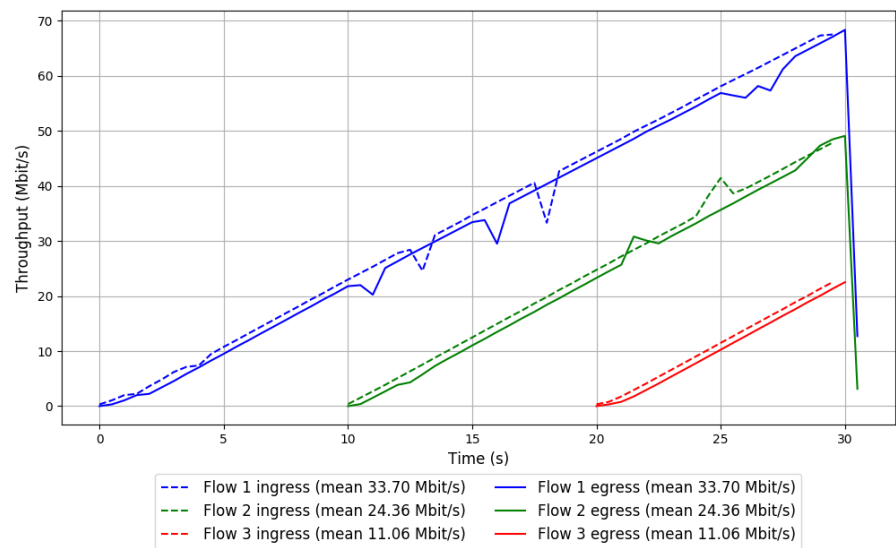
-- Flow 3:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-12 05:03:30

End at: 2018-07-12 05:04:00

Local clock offset: -0.104 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 51.88 Mbit/s

95th percentile per-packet one-way delay: 51.618 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 51.659 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.73 Mbit/s

95th percentile per-packet one-way delay: 51.516 ms

Loss rate: 0.00%

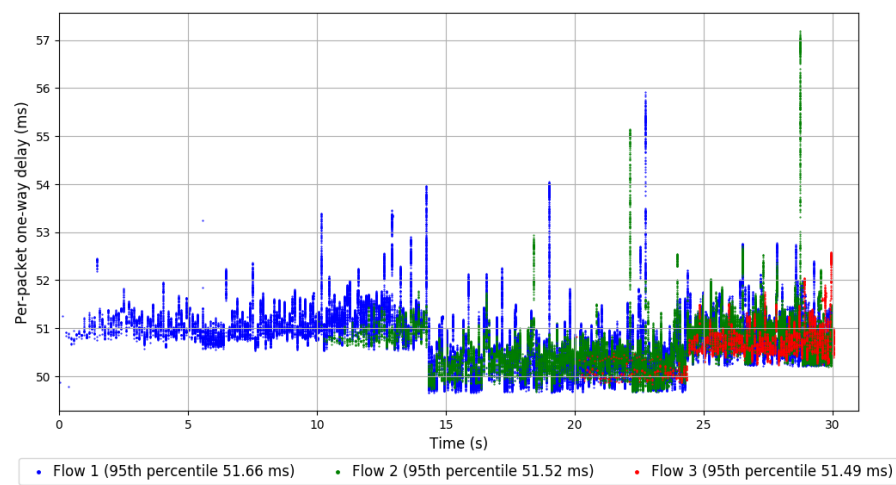
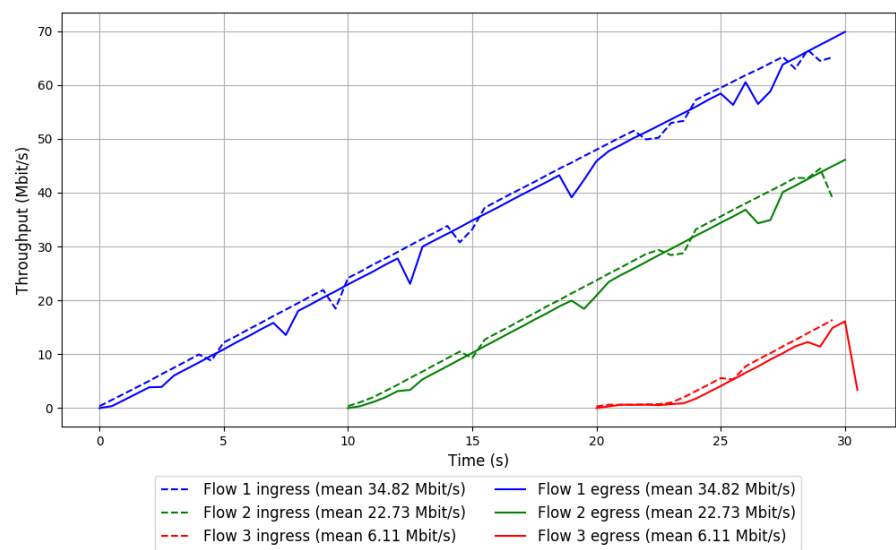
-- Flow 3:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 51.486 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

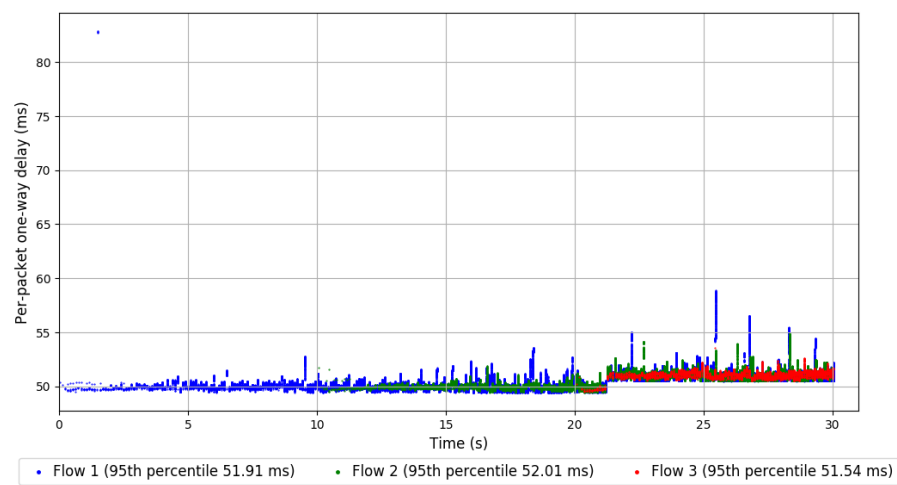
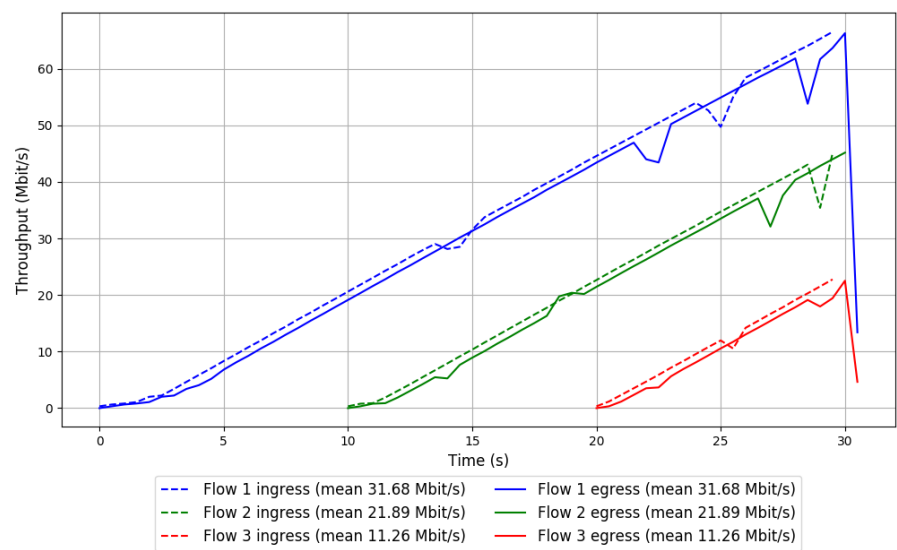


Run 4: Statistics of LEDBAT

Start at: 2018-07-12 05:28:53  
End at: 2018-07-12 05:29:23  
Local clock offset: -0.098 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 49.95 Mbit/s  
95th percentile per-packet one-way delay: 51.909 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 31.68 Mbit/s  
95th percentile per-packet one-way delay: 51.912 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 21.89 Mbit/s  
95th percentile per-packet one-way delay: 52.009 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.26 Mbit/s  
95th percentile per-packet one-way delay: 51.540 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-12 05:54:05

End at: 2018-07-12 05:54:35

Local clock offset: 0.258 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 51.749 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.11 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.00%

-- Flow 3:

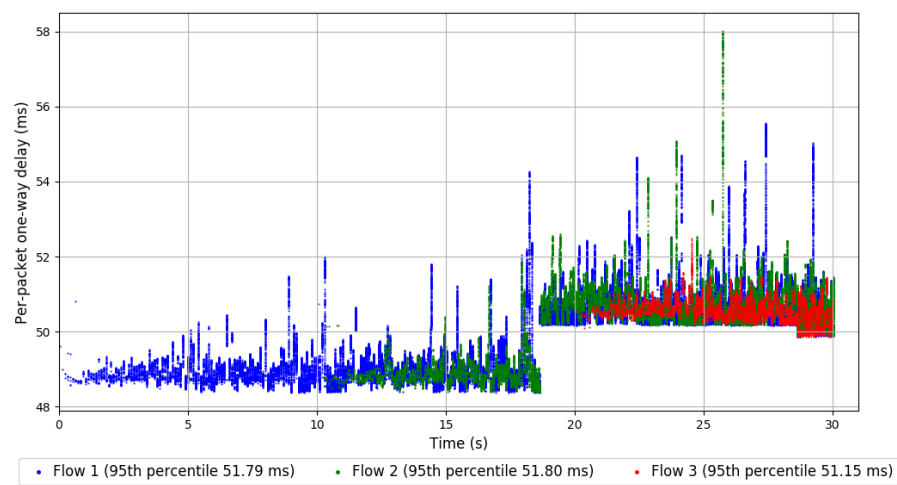
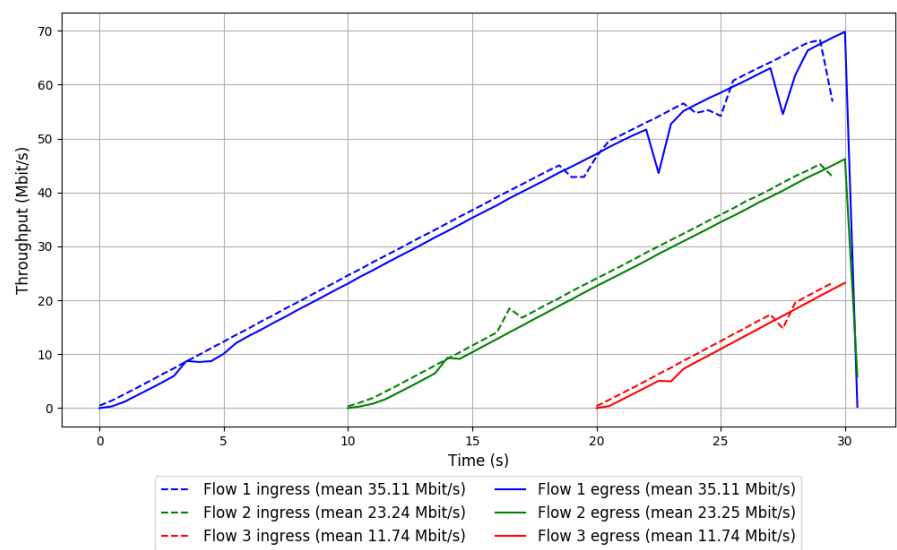
Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 51.148 ms

Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-12 06:18:49

End at: 2018-07-12 06:19:19

Local clock offset: -0.124 ms

Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 55.37 Mbit/s

95th percentile per-packet one-way delay: 51.965 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 51.996 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 51.964 ms

Loss rate: 0.00%

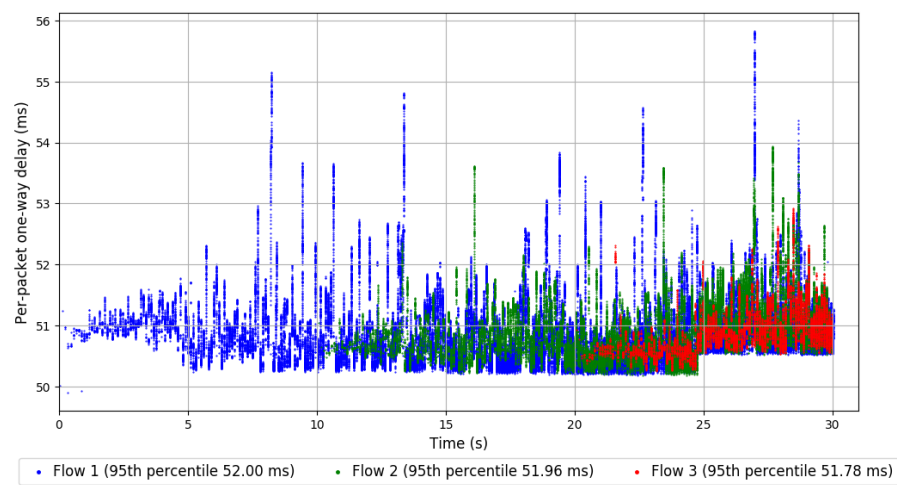
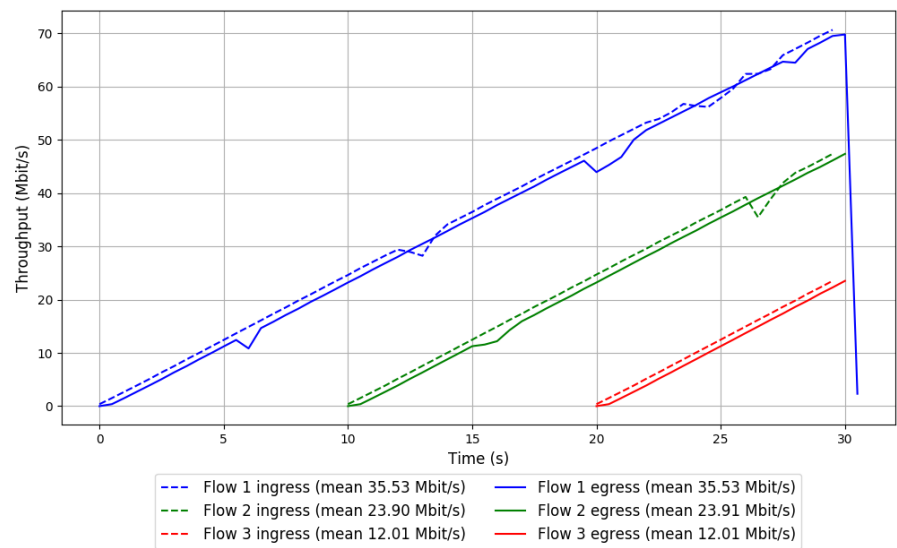
-- Flow 3:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 51.779 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-12 06:43:49

End at: 2018-07-12 06:44:19

Local clock offset: 0.258 ms

Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-07-12 09:59:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.35 Mbit/s

95th percentile per-packet one-way delay: 51.885 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 52.250 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 51.634 ms

Loss rate: 0.00%

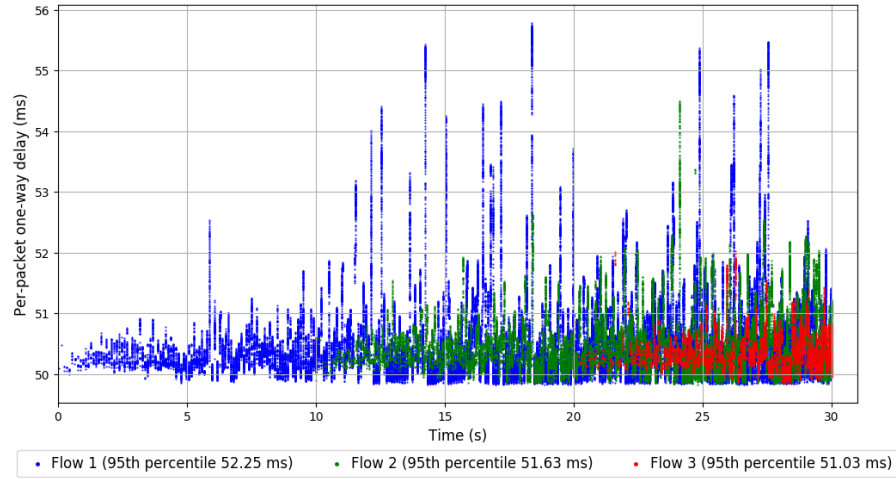
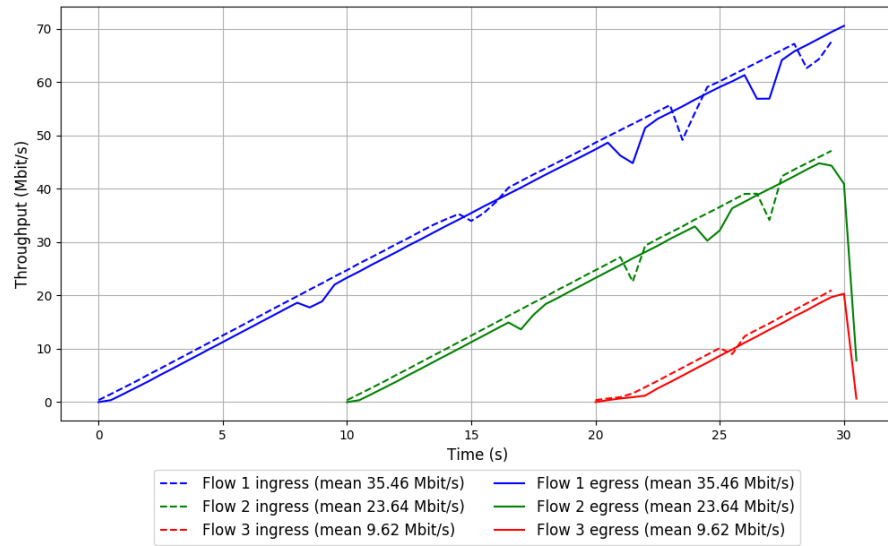
-- Flow 3:

Average throughput: 9.62 Mbit/s

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

Loss rate: 0.00%

# Run 7: Report of LEDBAT — Data Link

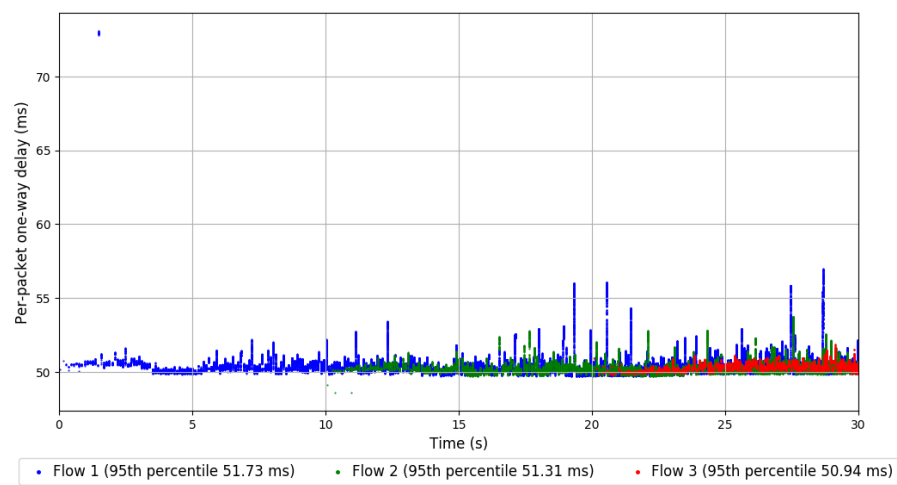
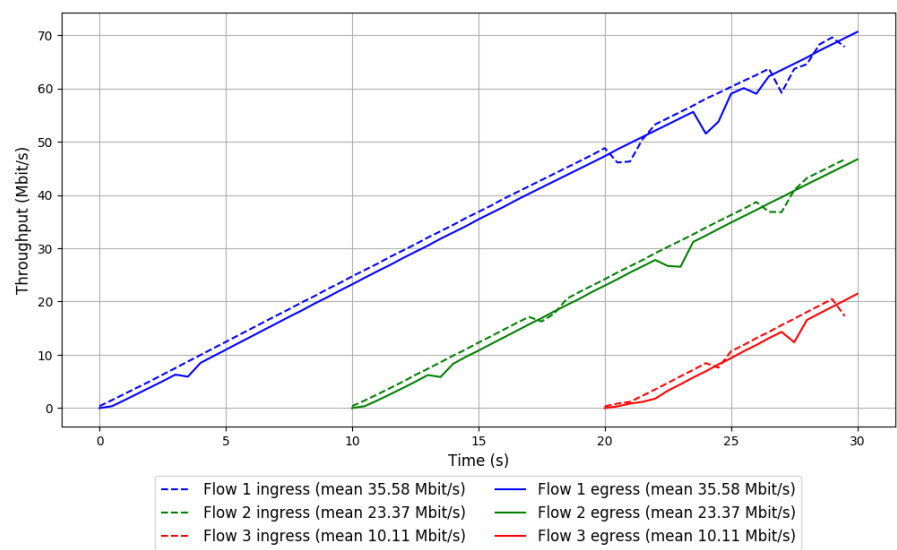


Run 8: Statistics of LEDBAT

Start at: 2018-07-12 07:08:31  
End at: 2018-07-12 07:09:01  
Local clock offset: 0.321 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.46 Mbit/s  
95th percentile per-packet one-way delay: 51.537 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 35.58 Mbit/s  
95th percentile per-packet one-way delay: 51.725 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 23.37 Mbit/s  
95th percentile per-packet one-way delay: 51.313 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 10.11 Mbit/s  
95th percentile per-packet one-way delay: 50.935 ms  
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



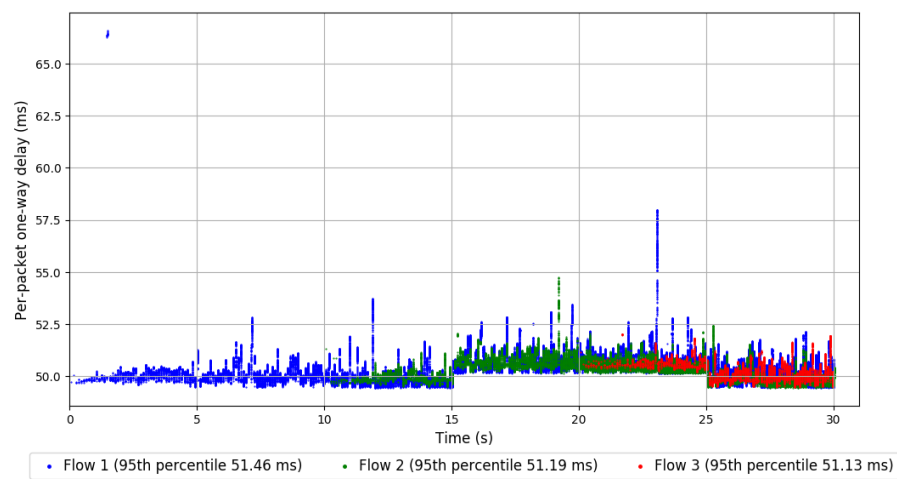
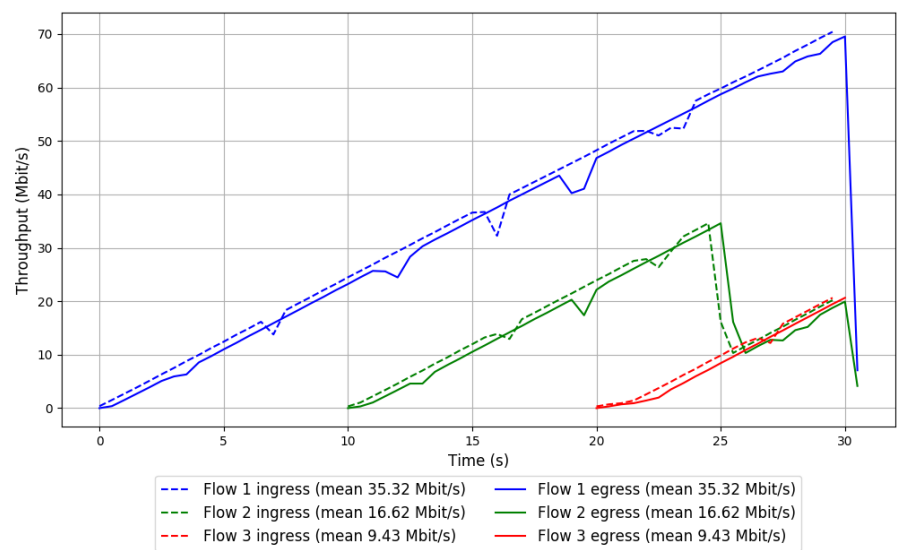
Run 9: Statistics of LEDBAT

Start at: 2018-07-12 07:33:29  
End at: 2018-07-12 07:33:59  
Local clock offset: -0.03 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 49.50 Mbit/s  
95th percentile per-packet one-way delay: 51.389 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 35.32 Mbit/s  
95th percentile per-packet one-way delay: 51.462 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 16.62 Mbit/s  
95th percentile per-packet one-way delay: 51.193 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 9.43 Mbit/s  
95th percentile per-packet one-way delay: 51.126 ms  
Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link

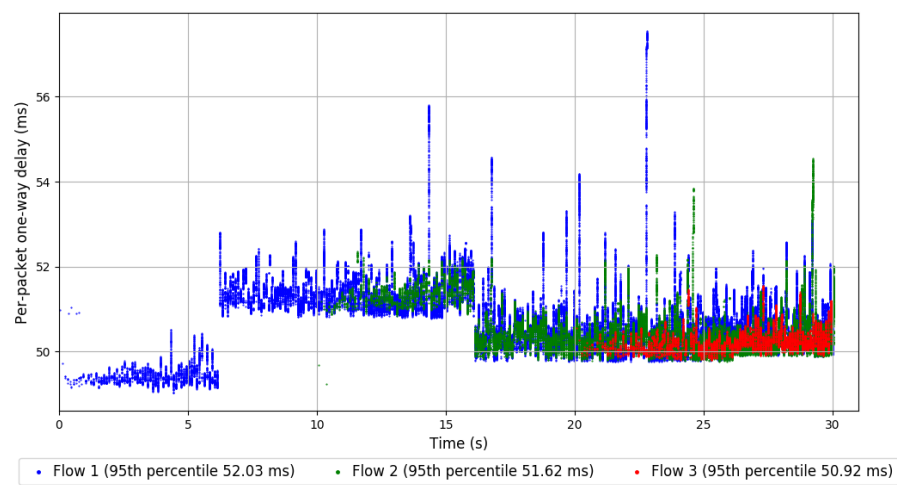
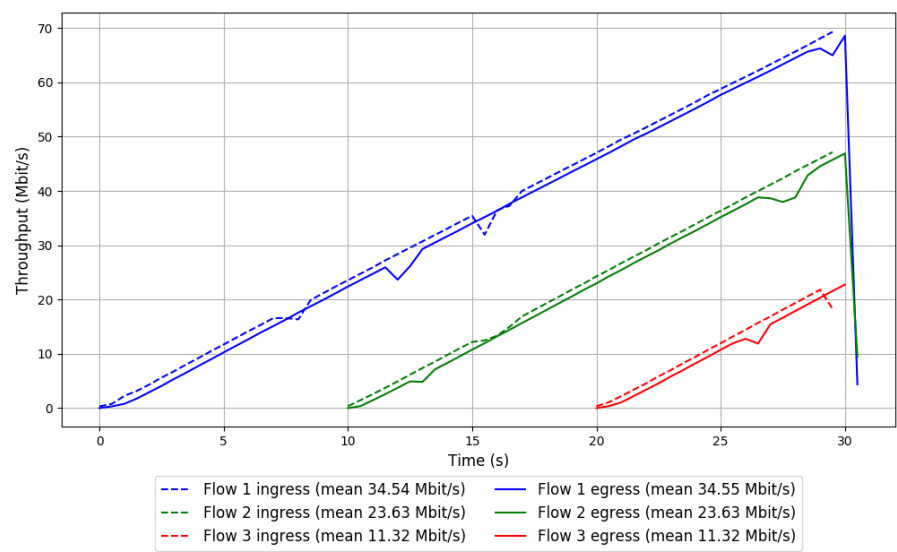


Run 10: Statistics of LEDBAT

Start at: 2018-07-12 07:58:28  
End at: 2018-07-12 07:58:58  
Local clock offset: -0.401 ms  
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-07-12 09:59:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.98 Mbit/s  
95th percentile per-packet one-way delay: 51.885 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 34.55 Mbit/s  
95th percentile per-packet one-way delay: 52.031 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 23.63 Mbit/s  
95th percentile per-packet one-way delay: 51.623 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.32 Mbit/s  
95th percentile per-packet one-way delay: 50.918 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

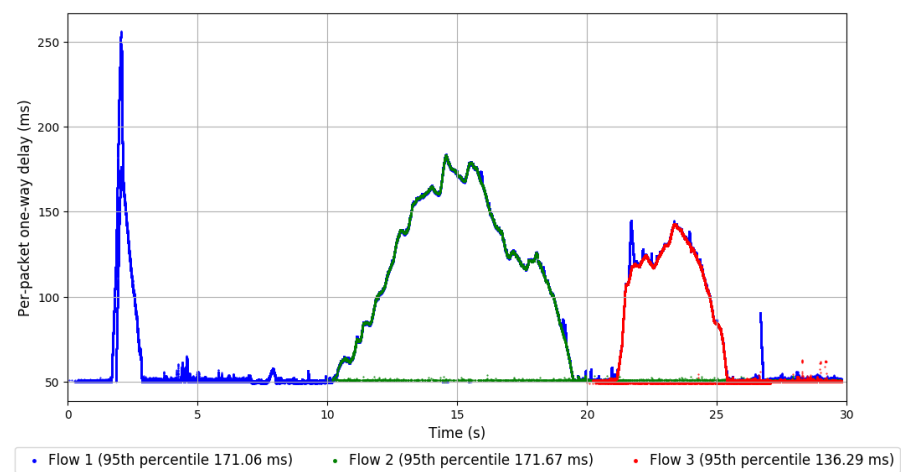
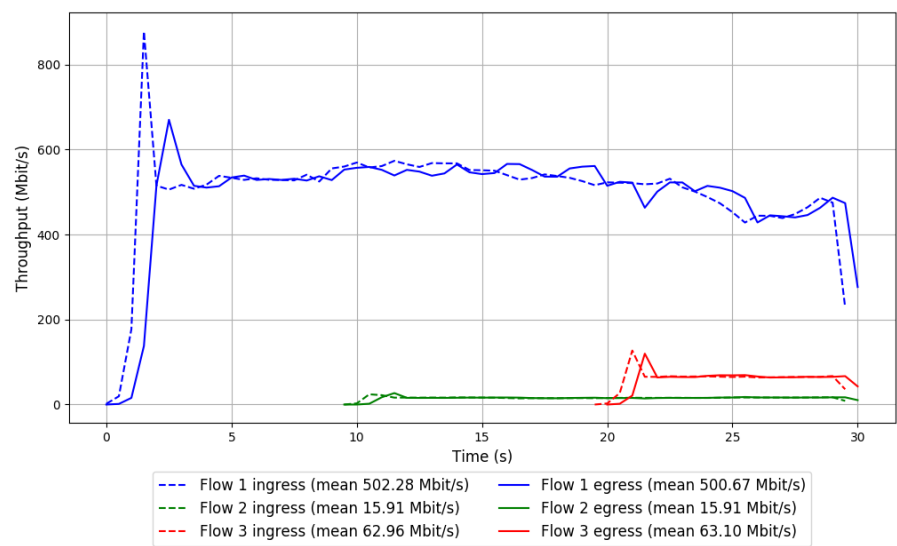


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-12 04:02:17
End at: 2018-07-12 04:02:47
Local clock offset: -0.473 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-07-12 10:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.88 Mbit/s
95th percentile per-packet one-way delay: 170.611 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 500.67 Mbit/s
95th percentile per-packet one-way delay: 171.062 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 171.674 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 136.287 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link

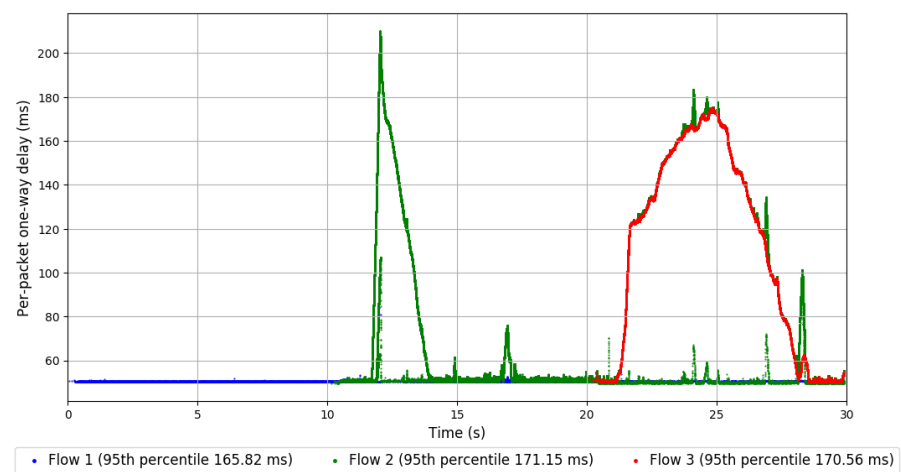
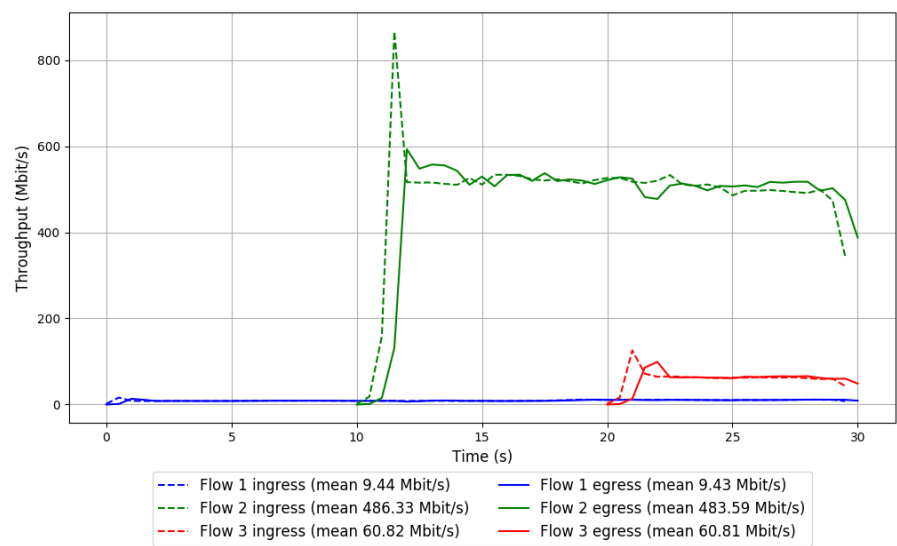


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-12 04:27:33  
End at: 2018-07-12 04:28:03  
Local clock offset: -0.062 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-07-12 10:03:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 350.98 Mbit/s  
95th percentile per-packet one-way delay: 170.816 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 9.43 Mbit/s  
95th percentile per-packet one-way delay: 165.823 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 483.59 Mbit/s  
95th percentile per-packet one-way delay: 171.145 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 60.81 Mbit/s  
95th percentile per-packet one-way delay: 170.563 ms  
Loss rate: 0.03%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-12 04:52:44

End at: 2018-07-12 04:53:14

Local clock offset: -0.093 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-07-12 10:04:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 546.05 Mbit/s

95th percentile per-packet one-way delay: 182.805 ms

Loss rate: 3.35%

-- Flow 1:

Average throughput: 468.42 Mbit/s

95th percentile per-packet one-way delay: 184.088 ms

Loss rate: 3.26%

-- Flow 2:

Average throughput: 114.67 Mbit/s

95th percentile per-packet one-way delay: 178.225 ms

Loss rate: 3.92%

-- Flow 3:

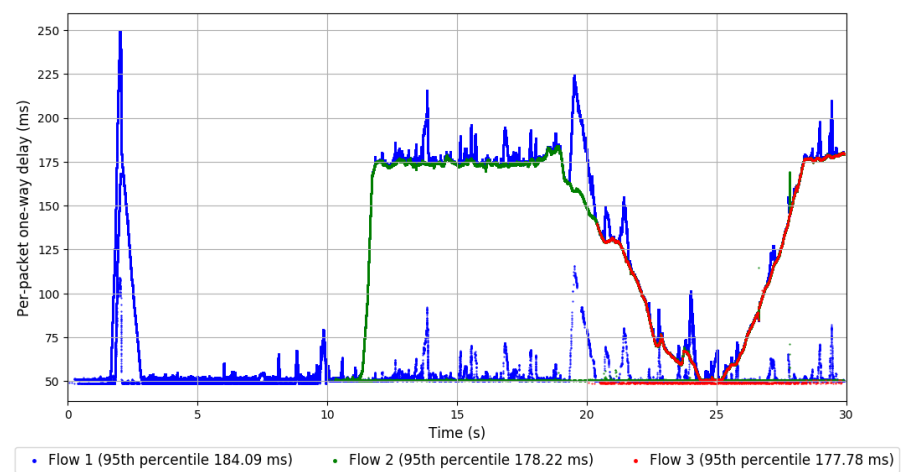
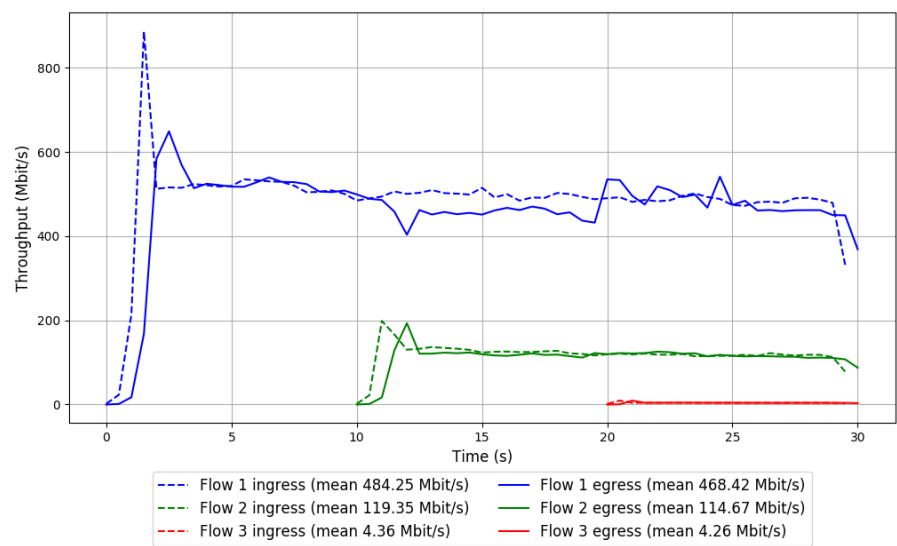
Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 177.782 ms

Loss rate: 2.21%



Run 3: Report of PCC-Allegro — Data Link

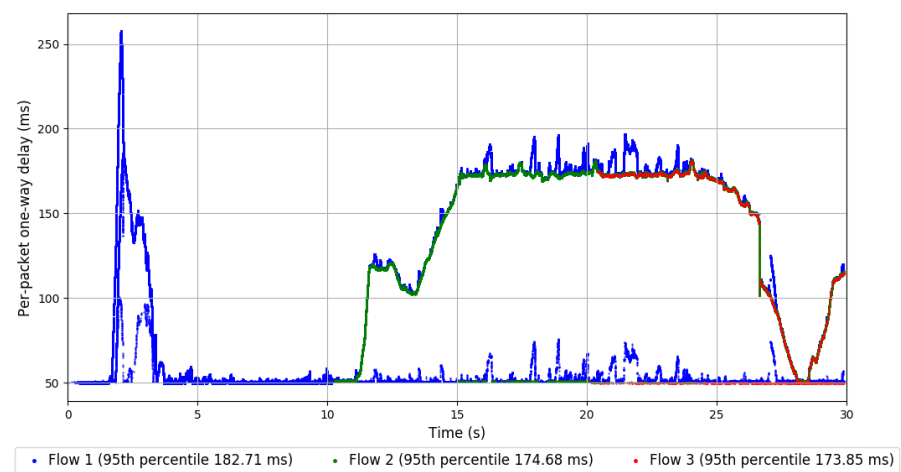
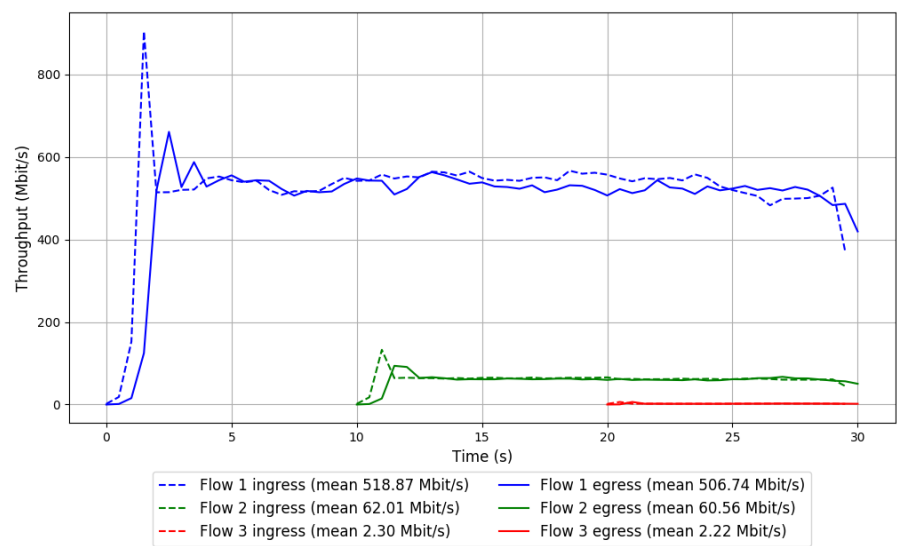


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-12 05:18:14  
End at: 2018-07-12 05:18:44  
Local clock offset: -0.428 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-07-12 10:04:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 547.73 Mbit/s  
95th percentile per-packet one-way delay: 181.786 ms  
Loss rate: 2.33%  
-- Flow 1:  
Average throughput: 506.74 Mbit/s  
95th percentile per-packet one-way delay: 182.712 ms  
Loss rate: 2.33%  
-- Flow 2:  
Average throughput: 60.56 Mbit/s  
95th percentile per-packet one-way delay: 174.681 ms  
Loss rate: 2.34%  
-- Flow 3:  
Average throughput: 2.22 Mbit/s  
95th percentile per-packet one-way delay: 173.853 ms  
Loss rate: 3.44%

Run 4: Report of PCC-Allegro — Data Link

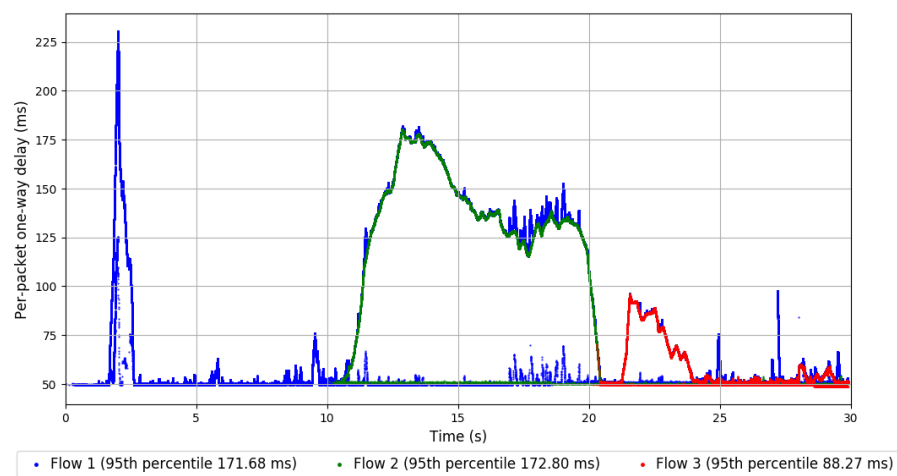
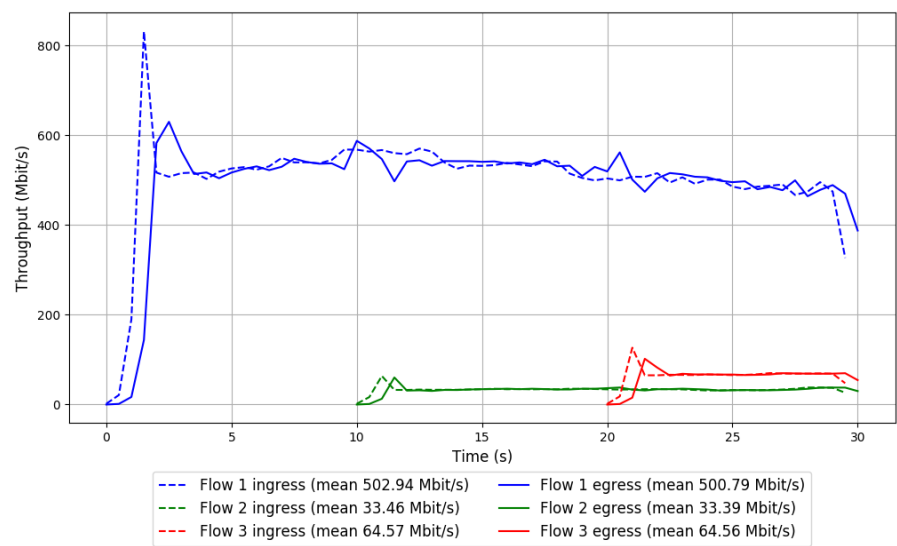


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-12 05:43:25  
End at: 2018-07-12 05:43:55  
Local clock offset: -0.122 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-12 10:04:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 544.26 Mbit/s  
95th percentile per-packet one-way delay: 171.231 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 500.79 Mbit/s  
95th percentile per-packet one-way delay: 171.676 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 33.39 Mbit/s  
95th percentile per-packet one-way delay: 172.797 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 64.56 Mbit/s  
95th percentile per-packet one-way delay: 88.274 ms  
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

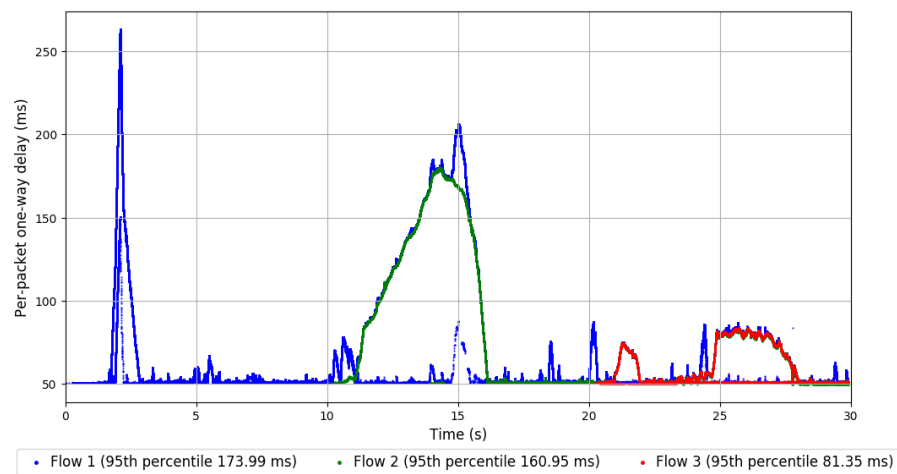
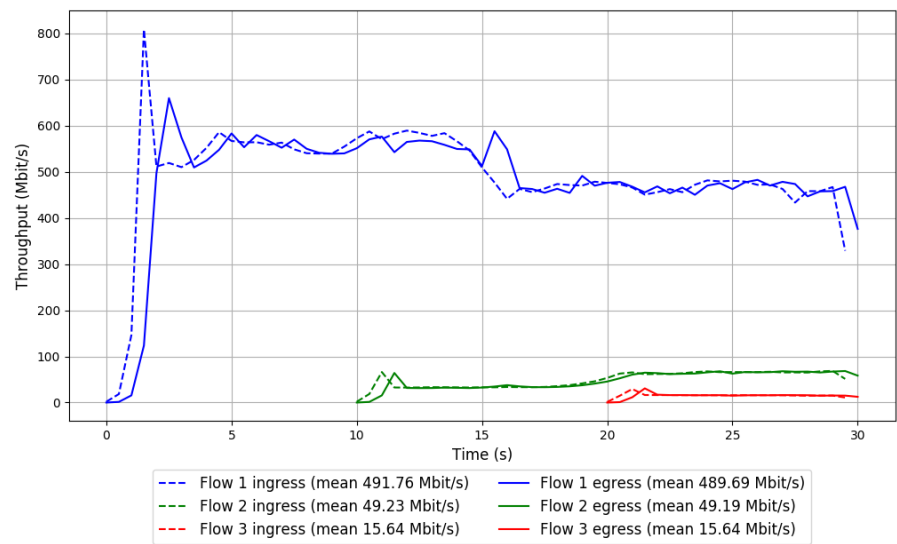


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-12 06:08:10  
End at: 2018-07-12 06:08:40  
Local clock offset: -0.506 ms  
Remote clock offset: -0.076 ms

```
# Below is generated by plot.py at 2018-07-12 10:04:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 527.54 Mbit/s
95th percentile per-packet one-way delay: 173.544 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 489.69 Mbit/s
95th percentile per-packet one-way delay: 173.994 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 160.947 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 81.351 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Allegro — Data Link



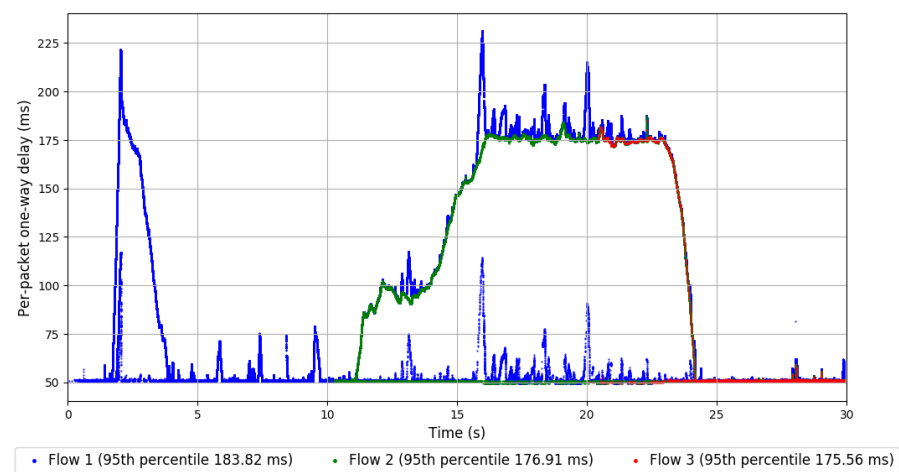
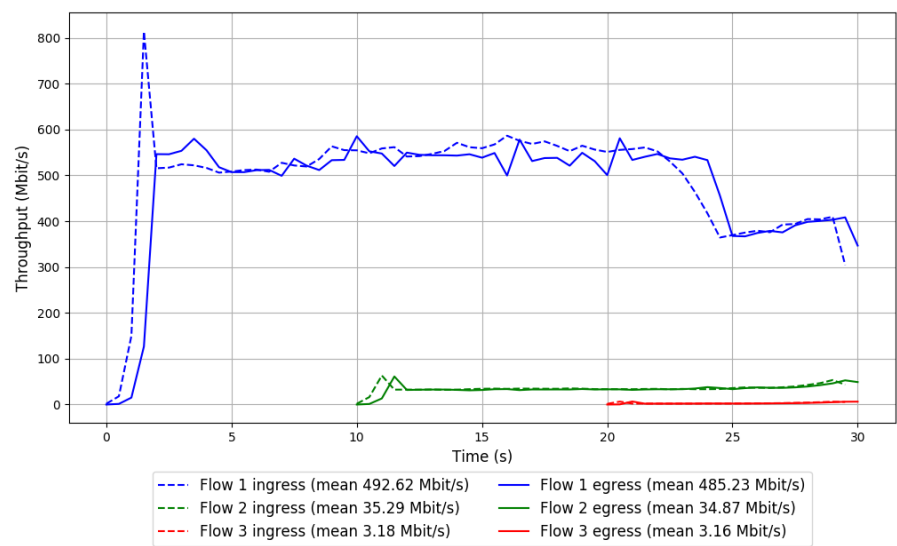
Run 7: Statistics of PCC-Allegro

Start at: 2018-07-12 06:33:21  
End at: 2018-07-12 06:33:51  
Local clock offset: -0.122 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-07-12 10:07:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 509.44 Mbit/s  
95th percentile per-packet one-way delay: 183.492 ms  
Loss rate: 1.49%  
-- Flow 1:  
Average throughput: 485.23 Mbit/s  
95th percentile per-packet one-way delay: 183.821 ms  
Loss rate: 1.50%  
-- Flow 2:  
Average throughput: 34.87 Mbit/s  
95th percentile per-packet one-way delay: 176.905 ms  
Loss rate: 1.25%  
-- Flow 3:  
Average throughput: 3.16 Mbit/s  
95th percentile per-packet one-way delay: 175.565 ms  
Loss rate: 0.77%



Run 7: Report of PCC-Allegro — Data Link

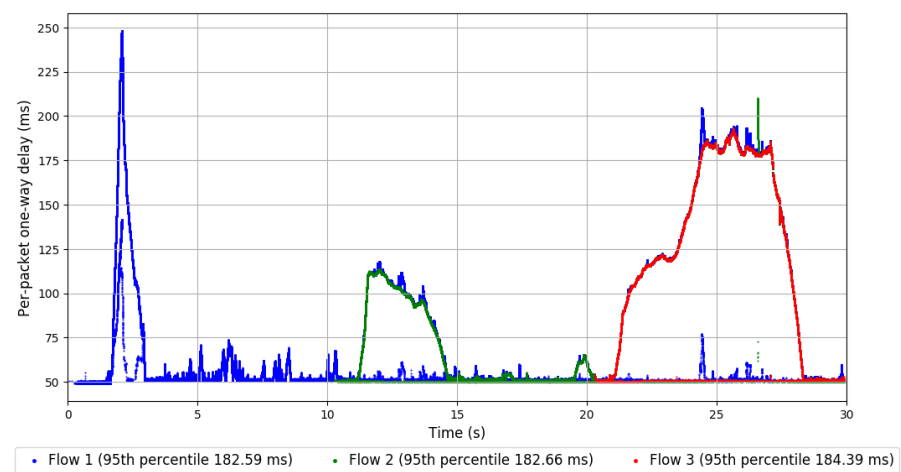
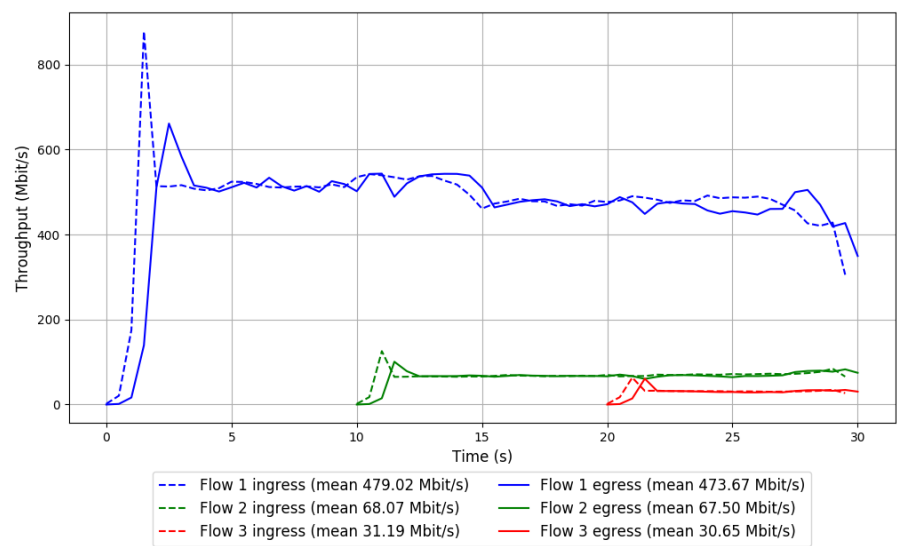


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-12 06:58:02  
End at: 2018-07-12 06:58:32  
Local clock offset: -0.367 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-12 10:09:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 528.64 Mbit/s  
95th percentile per-packet one-way delay: 182.701 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 473.67 Mbit/s  
95th percentile per-packet one-way delay: 182.591 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 67.50 Mbit/s  
95th percentile per-packet one-way delay: 182.661 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 30.65 Mbit/s  
95th percentile per-packet one-way delay: 184.390 ms  
Loss rate: 1.71%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-12 07:22:56

End at: 2018-07-12 07:23:26

Local clock offset: 0.313 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-12 10:09:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 508.67 Mbit/s

95th percentile per-packet one-way delay: 153.767 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 449.29 Mbit/s

95th percentile per-packet one-way delay: 153.995 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.33 Mbit/s

95th percentile per-packet one-way delay: 155.850 ms

Loss rate: 0.01%

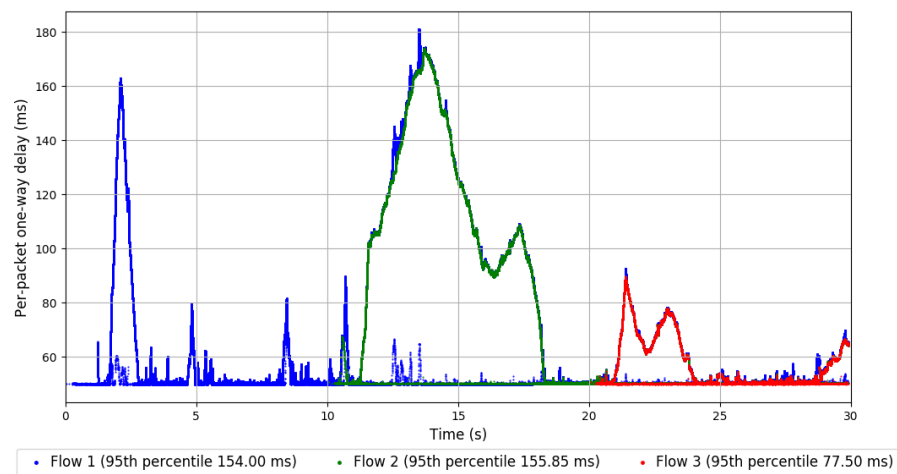
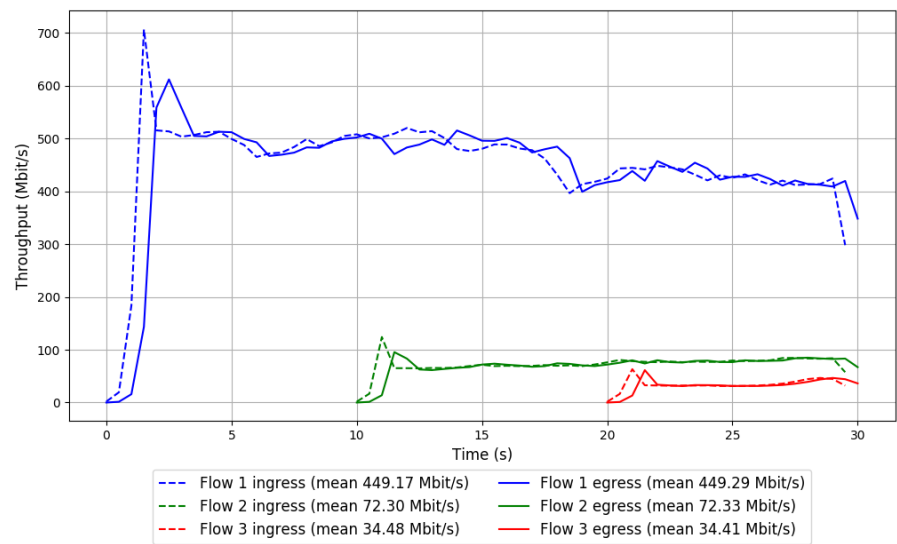
-- Flow 3:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 77.505 ms

Loss rate: 0.17%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-12 07:47:57

End at: 2018-07-12 07:48:27

Local clock offset: 0.003 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-12 10:11:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 529.68 Mbit/s

95th percentile per-packet one-way delay: 223.881 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 461.00 Mbit/s

95th percentile per-packet one-way delay: 230.458 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 148.565 ms

Loss rate: 0.10%

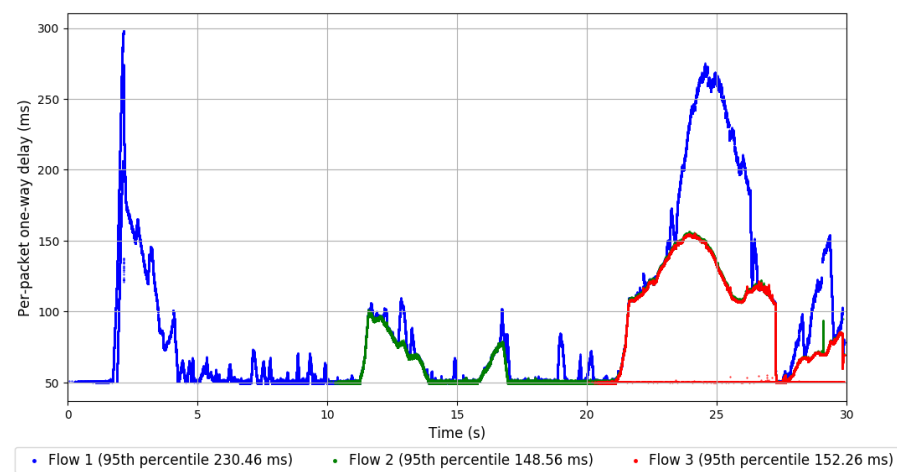
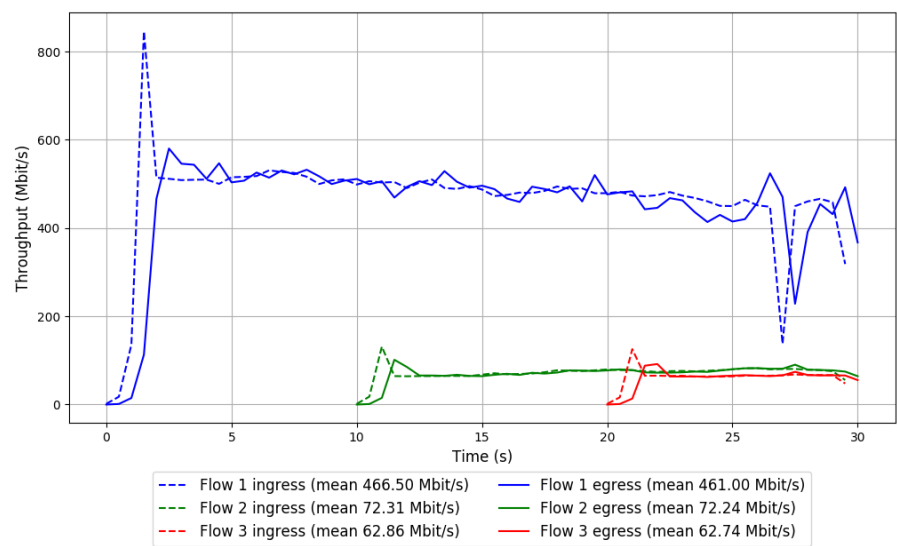
-- Flow 3:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 152.264 ms

Loss rate: 0.20%

Run 10: Report of PCC-Allegro — Data Link



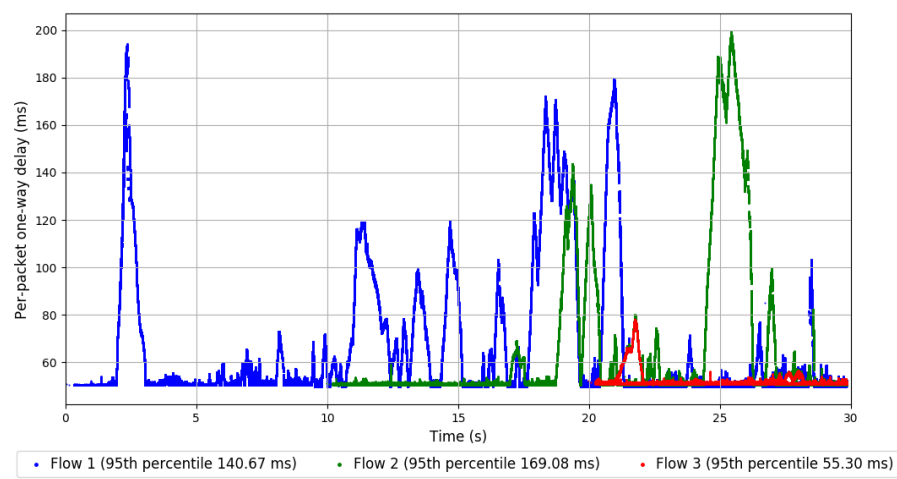
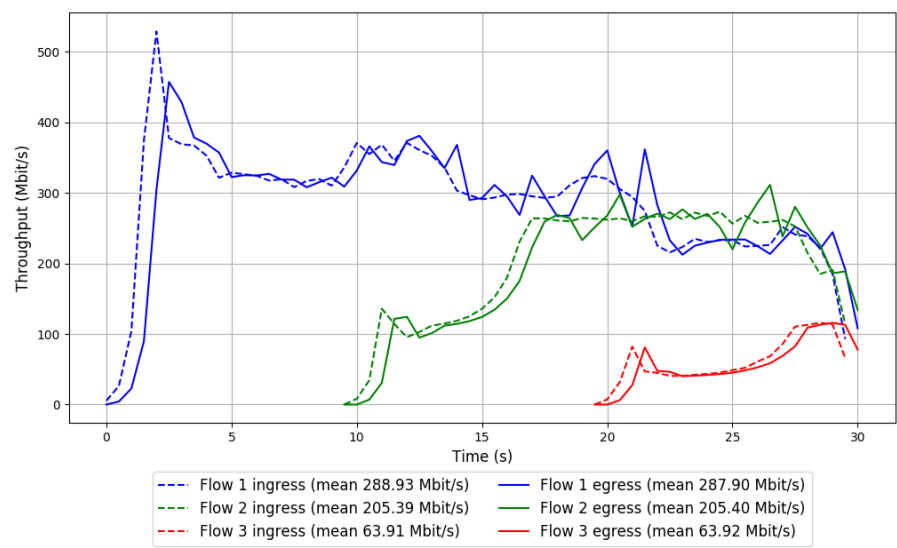
```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-12 03:56:44
End at: 2018-07-12 03:57:14
Local clock offset: -0.118 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-07-12 10:17:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 446.10 Mbit/s
95th percentile per-packet one-way delay: 145.289 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 287.90 Mbit/s
95th percentile per-packet one-way delay: 140.673 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 169.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.92 Mbit/s
95th percentile per-packet one-way delay: 55.301 ms
Loss rate: 0.00%
```



Run 1: Report of PCC-Expr — Data Link

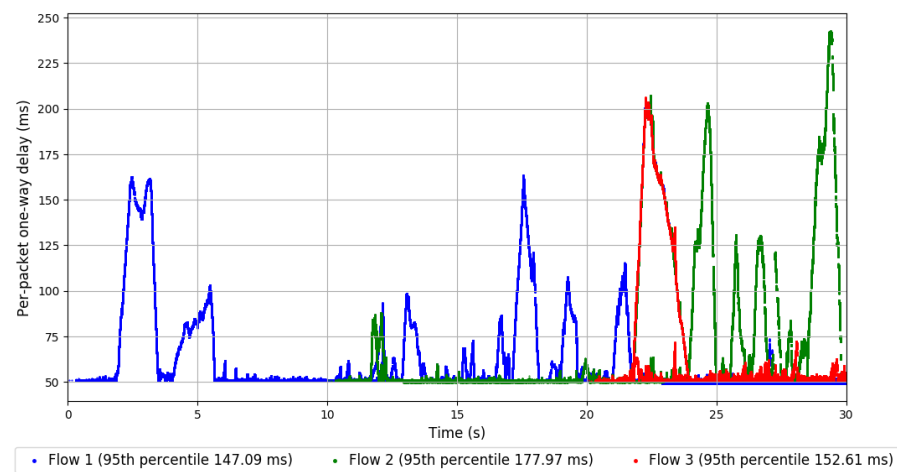
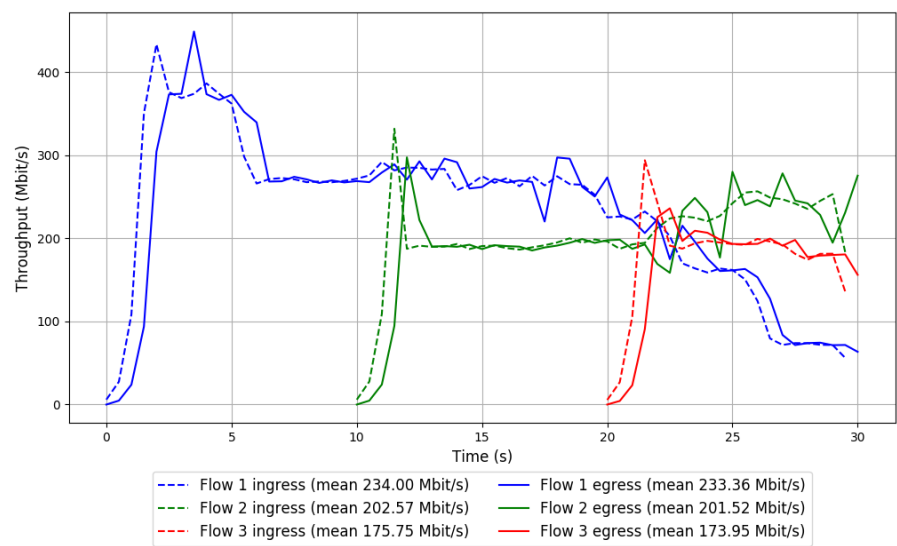


Run 2: Statistics of PCC-Expr

Start at: 2018-07-12 04:22:01  
End at: 2018-07-12 04:22:31  
Local clock offset: -0.435 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-12 10:17:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 424.76 Mbit/s  
95th percentile per-packet one-way delay: 156.079 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 233.36 Mbit/s  
95th percentile per-packet one-way delay: 147.089 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 201.52 Mbit/s  
95th percentile per-packet one-way delay: 177.965 ms  
Loss rate: 0.52%  
-- Flow 3:  
Average throughput: 173.95 Mbit/s  
95th percentile per-packet one-way delay: 152.606 ms  
Loss rate: 1.02%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-12 04:47:12

End at: 2018-07-12 04:47:42

Local clock offset: -0.116 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-07-12 10:17:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 424.90 Mbit/s

95th percentile per-packet one-way delay: 220.973 ms

Loss rate: 2.05%

-- Flow 1:

Average throughput: 255.01 Mbit/s

95th percentile per-packet one-way delay: 224.194 ms

Loss rate: 2.61%

-- Flow 2:

Average throughput: 227.93 Mbit/s

95th percentile per-packet one-way delay: 176.580 ms

Loss rate: 1.33%

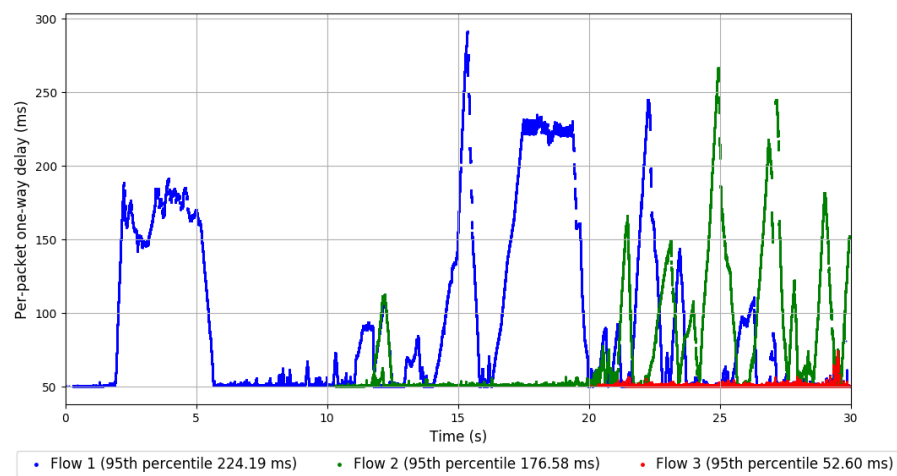
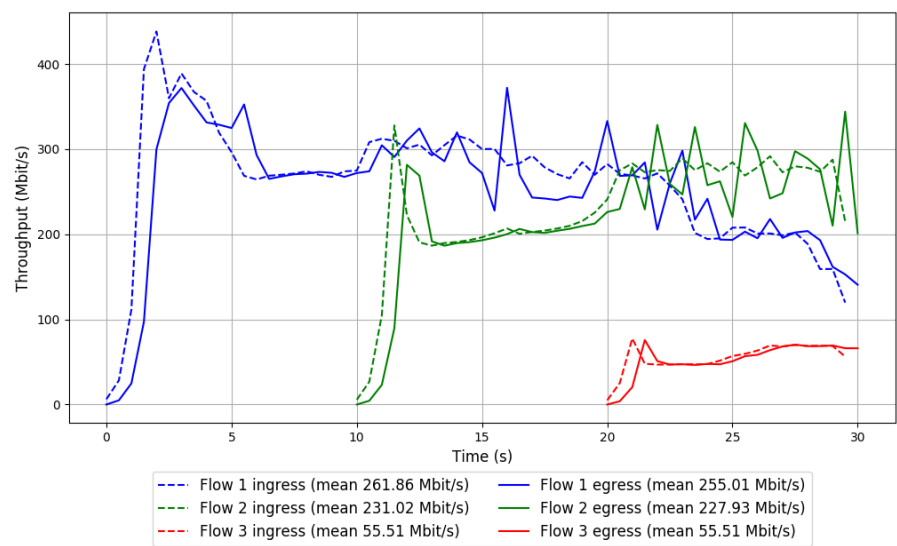
-- Flow 3:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 52.598 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-12 05:12:46

End at: 2018-07-12 05:13:16

Local clock offset: -0.45 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 10:17:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 392.76 Mbit/s

95th percentile per-packet one-way delay: 242.458 ms

Loss rate: 6.40%

-- Flow 1:

Average throughput: 272.68 Mbit/s

95th percentile per-packet one-way delay: 326.102 ms

Loss rate: 7.86%

-- Flow 2:

Average throughput: 167.86 Mbit/s

95th percentile per-packet one-way delay: 180.686 ms

Loss rate: 2.68%

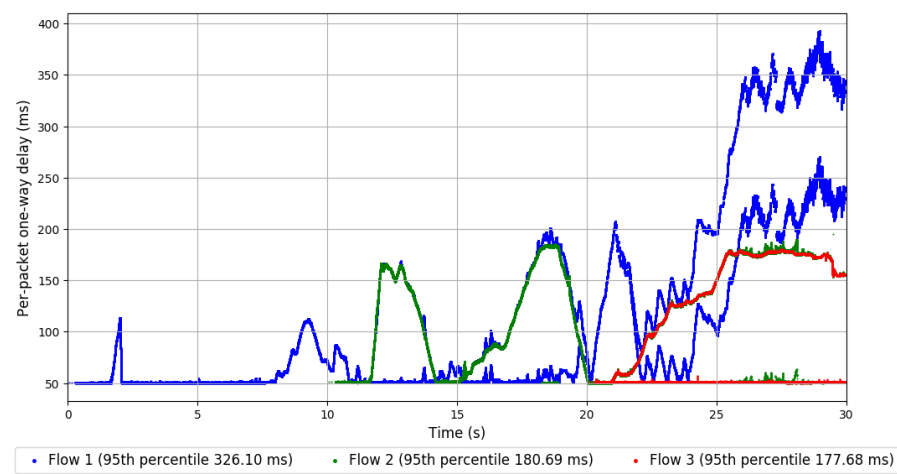
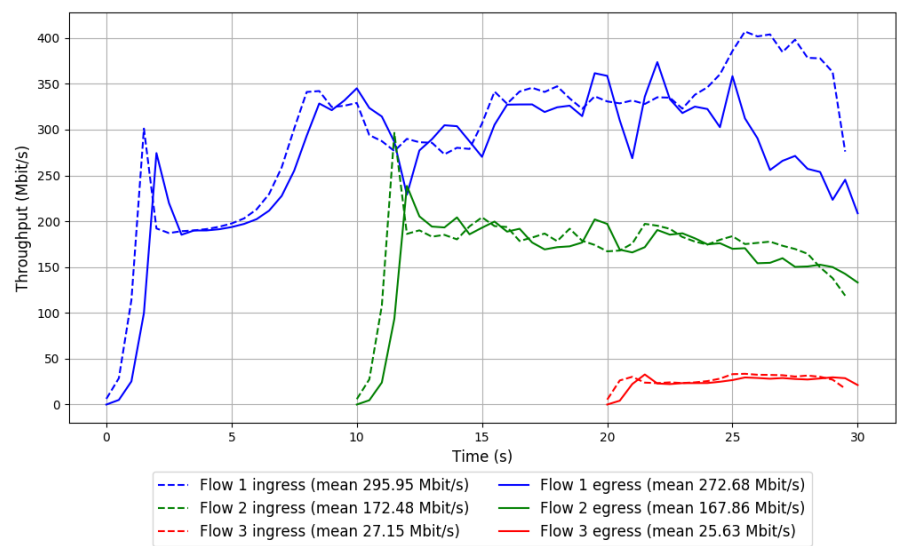
-- Flow 3:

Average throughput: 25.63 Mbit/s

95th percentile per-packet one-way delay: 177.683 ms

Loss rate: 5.59%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-12 05:37:53

End at: 2018-07-12 05:38:23

Local clock offset: -0.479 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-12 10:20:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 395.05 Mbit/s

95th percentile per-packet one-way delay: 204.165 ms

Loss rate: 3.40%

-- Flow 1:

Average throughput: 255.20 Mbit/s

95th percentile per-packet one-way delay: 207.860 ms

Loss rate: 5.17%

-- Flow 2:

Average throughput: 182.68 Mbit/s

95th percentile per-packet one-way delay: 74.278 ms

Loss rate: 0.00%

-- Flow 3:

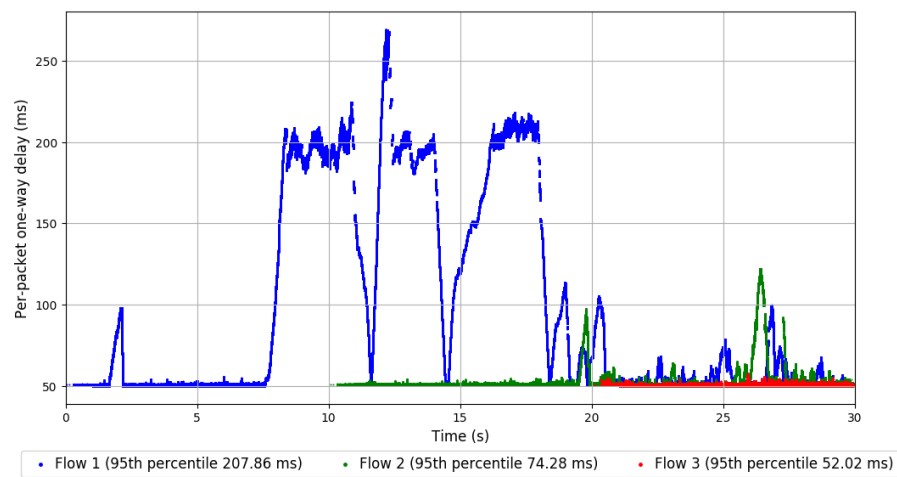
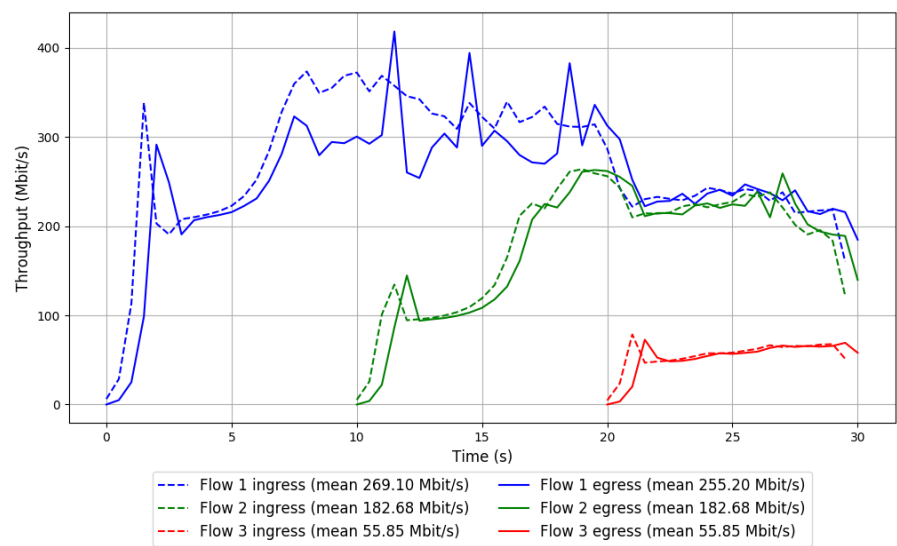
Average throughput: 55.85 Mbit/s

95th percentile per-packet one-way delay: 52.019 ms

Loss rate: 0.00%



Run 5: Report of PCC-Expr — Data Link

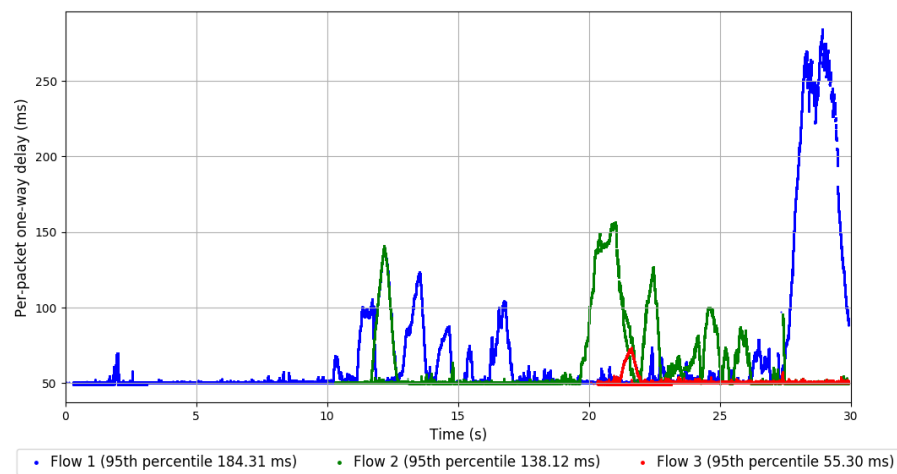
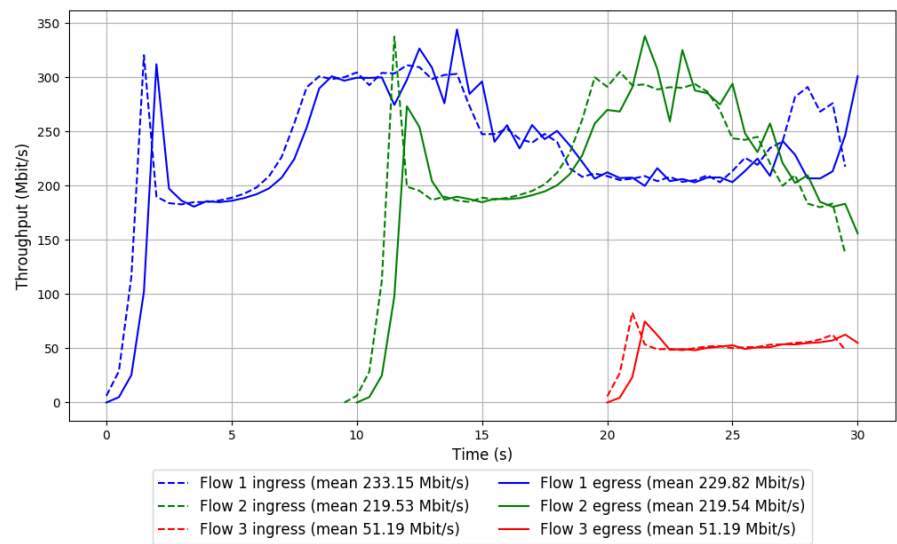


Run 6: Statistics of PCC-Expr

Start at: 2018-07-12 06:02:41  
End at: 2018-07-12 06:03:11  
Local clock offset: 0.251 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-12 10:22:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 392.79 Mbit/s  
95th percentile per-packet one-way delay: 141.746 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 229.82 Mbit/s  
95th percentile per-packet one-way delay: 184.313 ms  
Loss rate: 1.43%  
-- Flow 2:  
Average throughput: 219.54 Mbit/s  
95th percentile per-packet one-way delay: 138.123 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 51.19 Mbit/s  
95th percentile per-packet one-way delay: 55.299 ms  
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

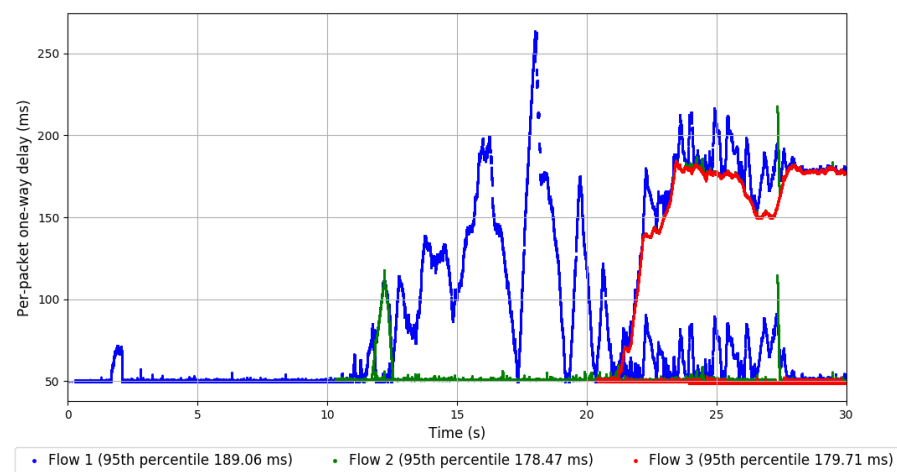
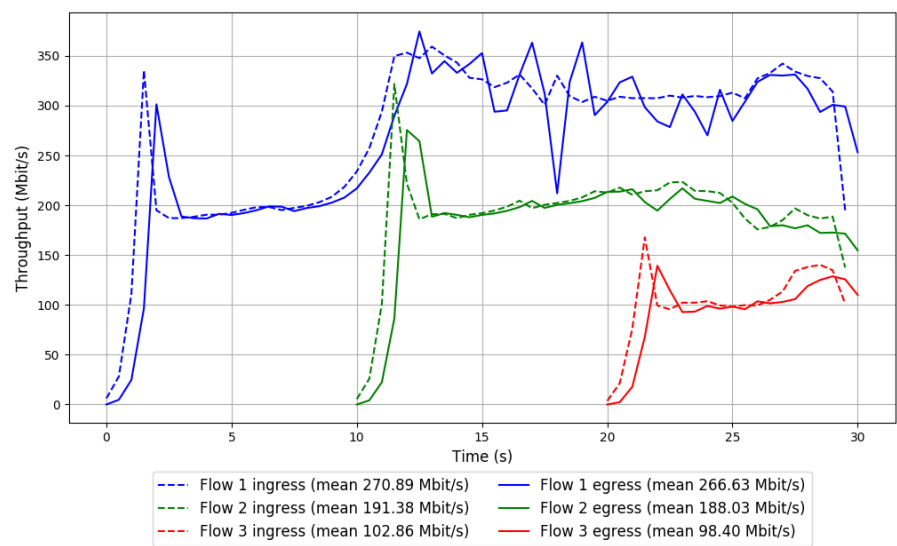


Run 7: Statistics of PCC-Expr

Start at: 2018-07-12 06:27:50  
End at: 2018-07-12 06:28:20  
Local clock offset: -0.108 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-07-12 10:23:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 424.07 Mbit/s  
95th percentile per-packet one-way delay: 183.063 ms  
Loss rate: 2.03%  
-- Flow 1:  
Average throughput: 266.63 Mbit/s  
95th percentile per-packet one-way delay: 189.062 ms  
Loss rate: 1.71%  
-- Flow 2:  
Average throughput: 188.03 Mbit/s  
95th percentile per-packet one-way delay: 178.471 ms  
Loss rate: 1.97%  
-- Flow 3:  
Average throughput: 98.40 Mbit/s  
95th percentile per-packet one-way delay: 179.705 ms  
Loss rate: 4.74%

Run 7: Report of PCC-Expr — Data Link

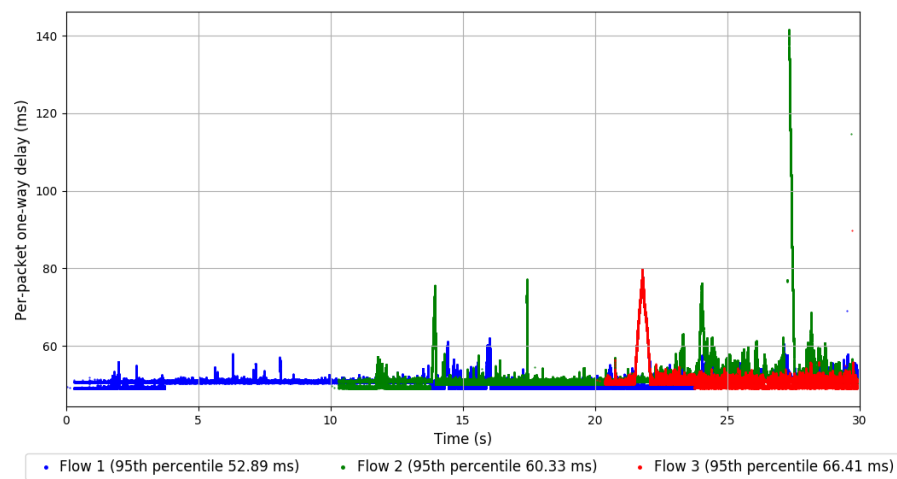
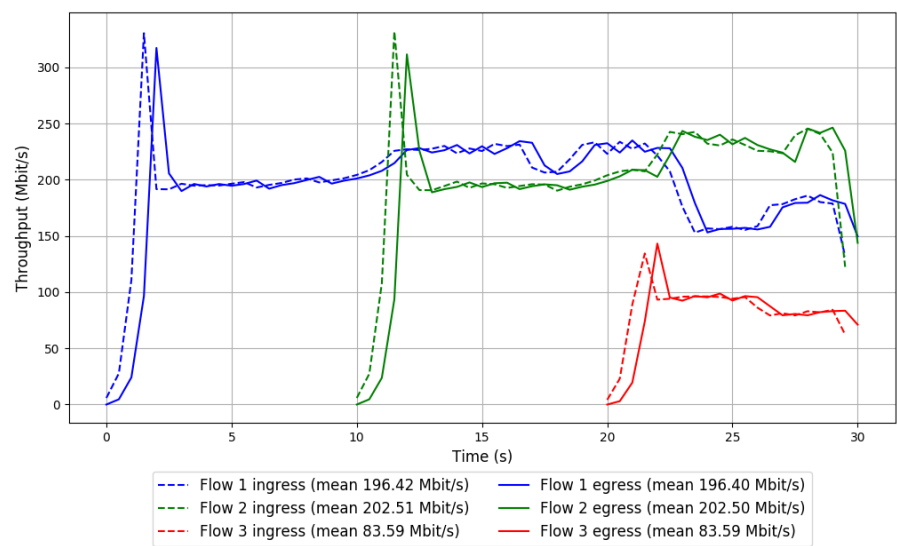


Run 8: Statistics of PCC-Expr

Start at: 2018-07-12 06:52:40  
End at: 2018-07-12 06:53:10  
Local clock offset: -0.395 ms  
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-07-12 10:24:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 358.68 Mbit/s  
95th percentile per-packet one-way delay: 56.752 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 196.40 Mbit/s  
95th percentile per-packet one-way delay: 52.894 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 202.50 Mbit/s  
95th percentile per-packet one-way delay: 60.327 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 83.59 Mbit/s  
95th percentile per-packet one-way delay: 66.405 ms  
Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



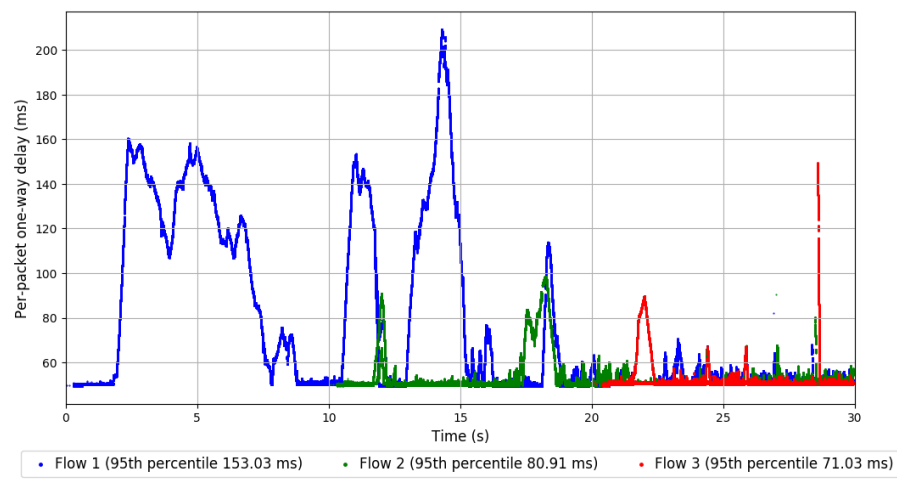
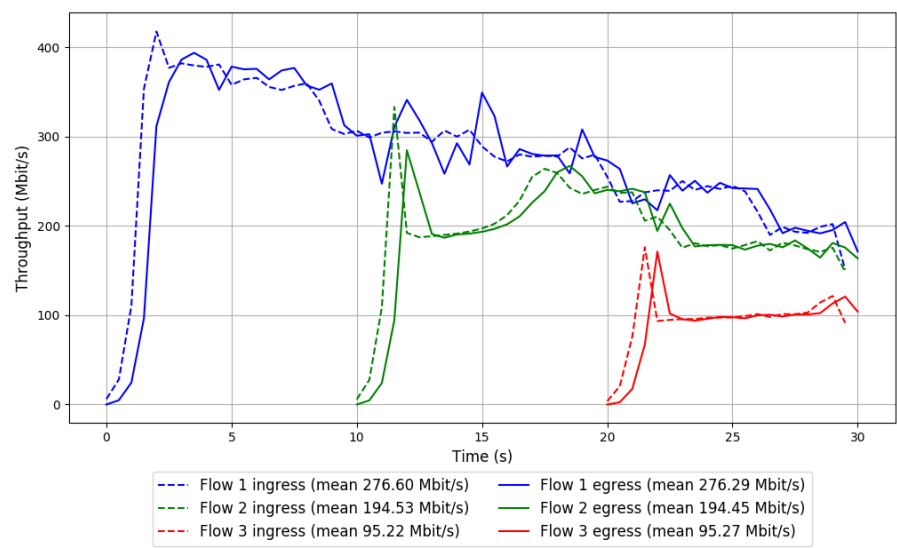
Run 9: Statistics of PCC-Expr

Start at: 2018-07-12 07:17:23  
End at: 2018-07-12 07:17:53  
Local clock offset: 0.021 ms  
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 437.02 Mbit/s  
95th percentile per-packet one-way delay: 149.324 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 276.29 Mbit/s  
95th percentile per-packet one-way delay: 153.031 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 194.45 Mbit/s  
95th percentile per-packet one-way delay: 80.912 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 95.27 Mbit/s  
95th percentile per-packet one-way delay: 71.033 ms  
Loss rate: 0.00%



Run 9: Report of PCC-Expr — Data Link

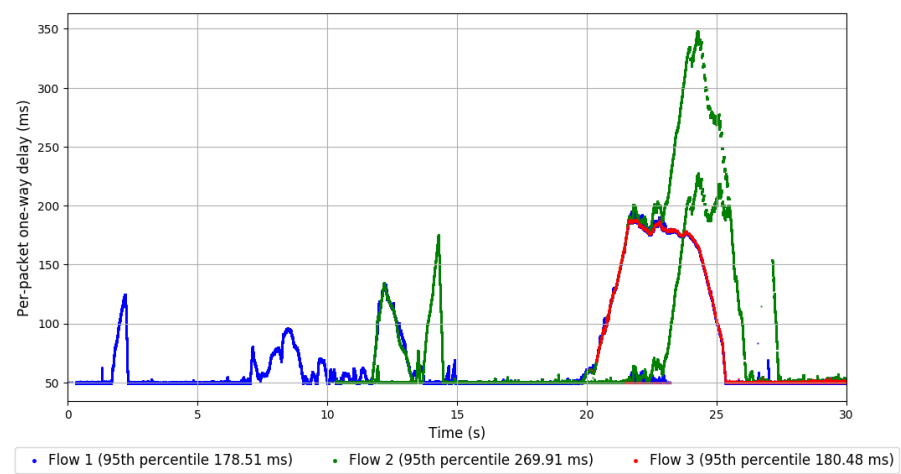
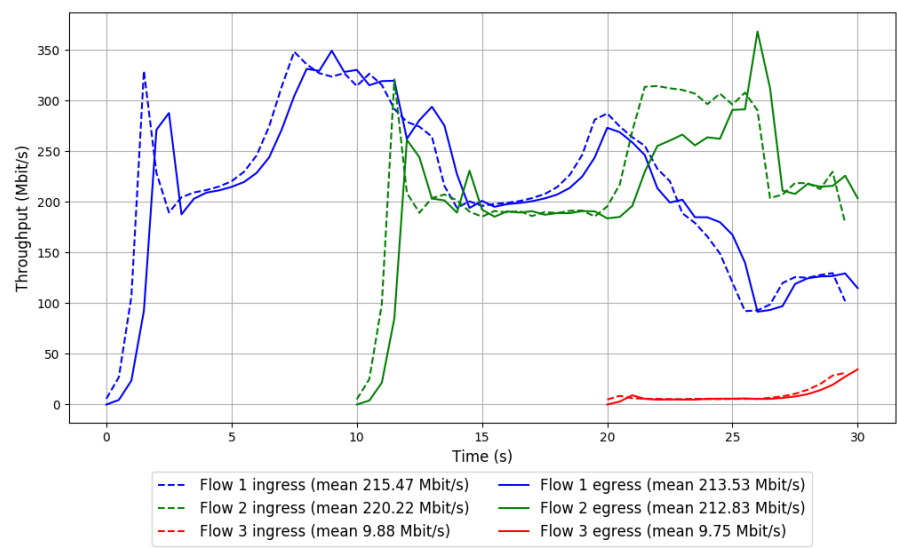


Run 10: Statistics of PCC-Expr

Start at: 2018-07-12 07:42:31  
End at: 2018-07-12 07:43:01  
Local clock offset: 0.327 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 358.24 Mbit/s  
95th percentile per-packet one-way delay: 196.586 ms  
Loss rate: 1.90%  
-- Flow 1:  
Average throughput: 213.53 Mbit/s  
95th percentile per-packet one-way delay: 178.513 ms  
Loss rate: 0.90%  
-- Flow 2:  
Average throughput: 212.83 Mbit/s  
95th percentile per-packet one-way delay: 269.909 ms  
Loss rate: 3.36%  
-- Flow 3:  
Average throughput: 9.75 Mbit/s  
95th percentile per-packet one-way delay: 180.476 ms  
Loss rate: 1.46%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-12 04:08:42

End at: 2018-07-12 04:09:12

Local clock offset: -0.116 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 50.775 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.862 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.85 Mbit/s

95th percentile per-packet one-way delay: 50.762 ms

Loss rate: 0.00%

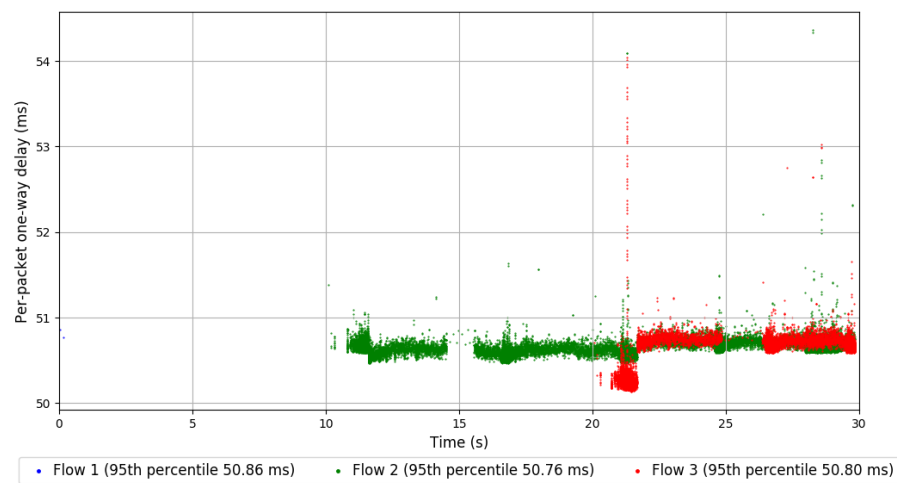
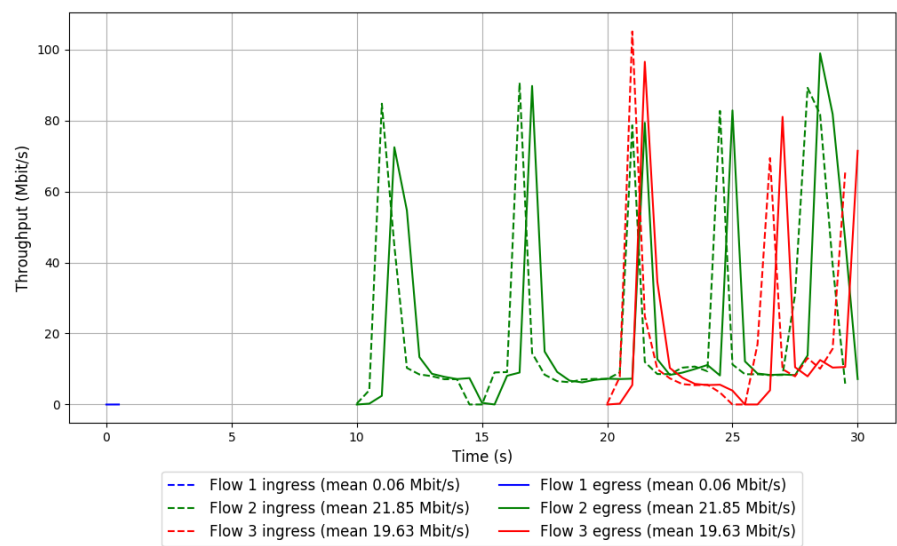
-- Flow 3:

Average throughput: 19.63 Mbit/s

95th percentile per-packet one-way delay: 50.798 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-12 04:33:49

End at: 2018-07-12 04:34:19

Local clock offset: 0.275 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.67 Mbit/s

95th percentile per-packet one-way delay: 50.221 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.02 Mbit/s

95th percentile per-packet one-way delay: 50.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 50.248 ms

Loss rate: 0.00%

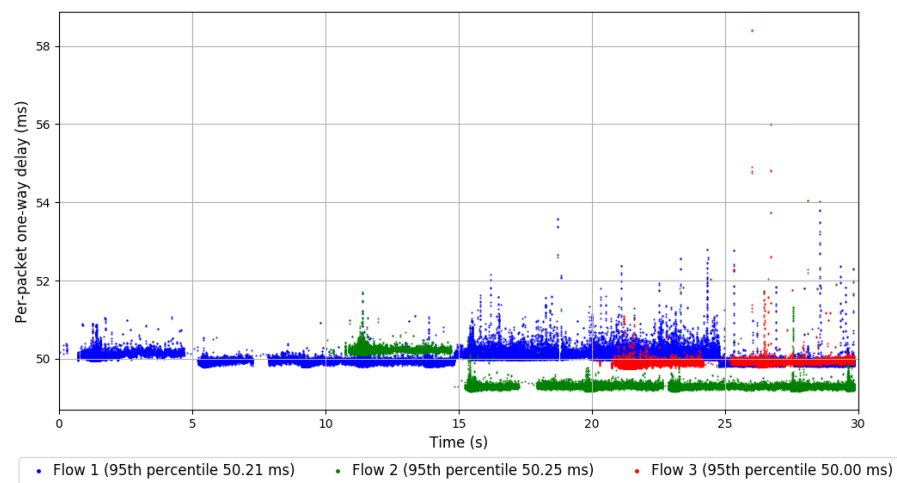
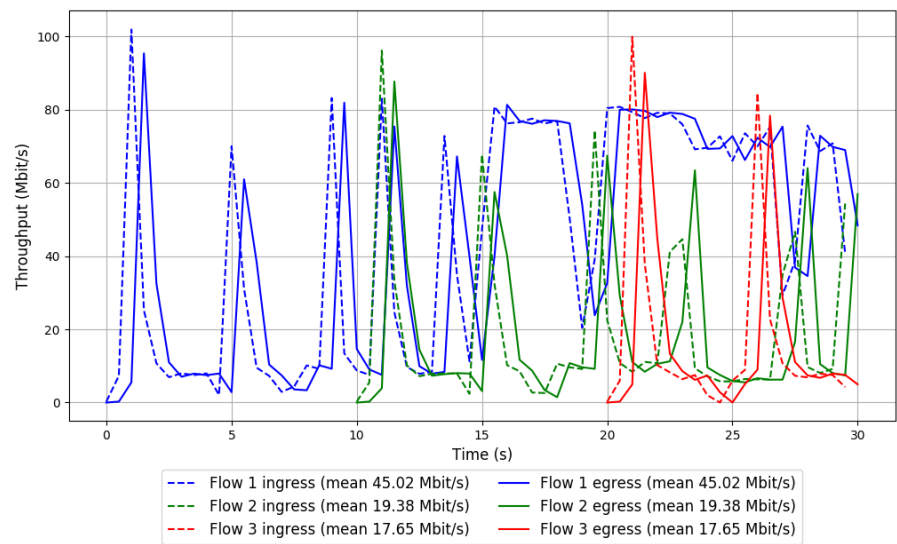
-- Flow 3:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 49.997 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-12 04:59:10

End at: 2018-07-12 04:59:40

Local clock offset: -0.441 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.93 Mbit/s

95th percentile per-packet one-way delay: 51.023 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.85 Mbit/s

95th percentile per-packet one-way delay: 50.608 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 51.028 ms

Loss rate: 0.00%

-- Flow 3:

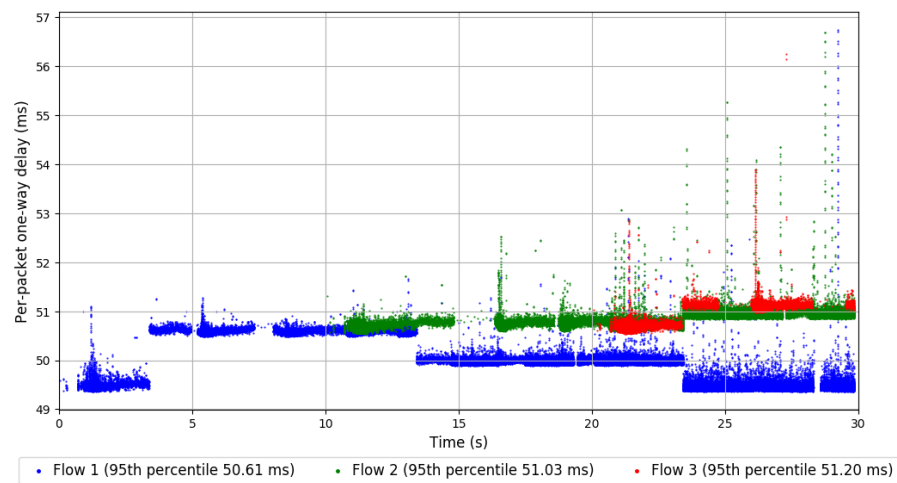
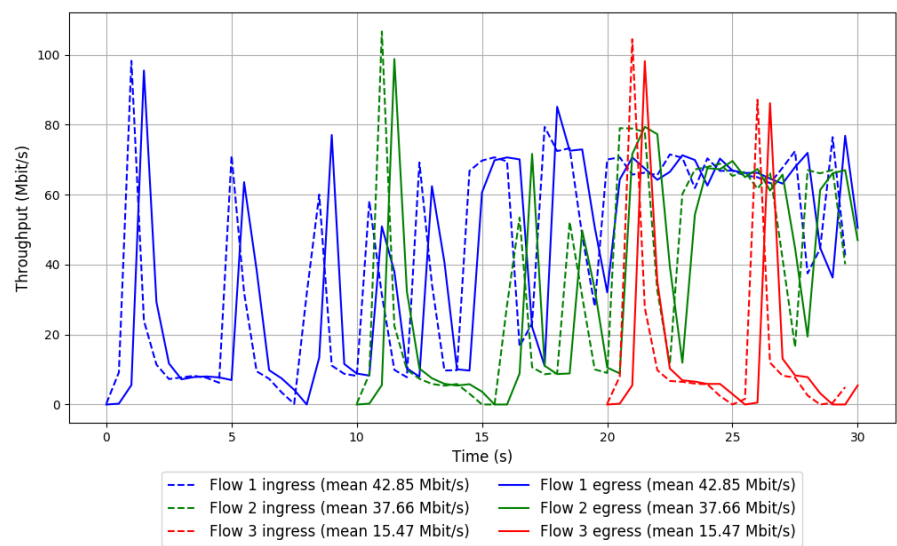
Average throughput: 15.47 Mbit/s

95th percentile per-packet one-way delay: 51.202 ms

Loss rate: 0.00%



Run 3: Report of QUIC Cubic — Data Link

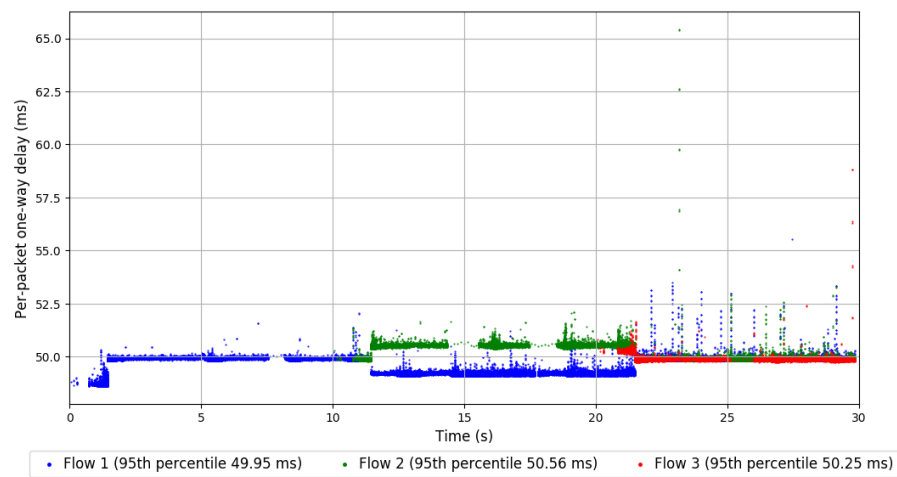
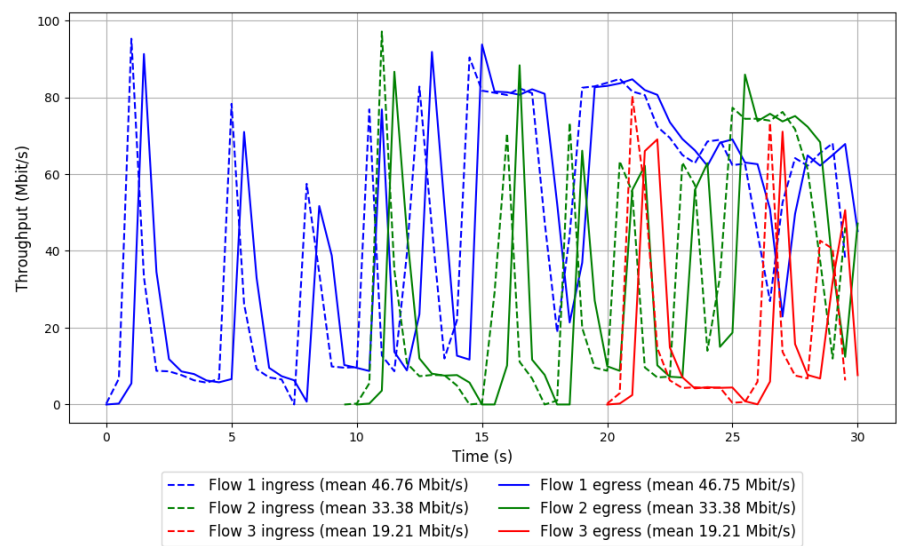


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-12 05:24:32  
End at: 2018-07-12 05:25:02  
Local clock offset: 0.265 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.24 Mbit/s  
95th percentile per-packet one-way delay: 50.480 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.75 Mbit/s  
95th percentile per-packet one-way delay: 49.954 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 33.38 Mbit/s  
95th percentile per-packet one-way delay: 50.563 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 19.21 Mbit/s  
95th percentile per-packet one-way delay: 50.247 ms  
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

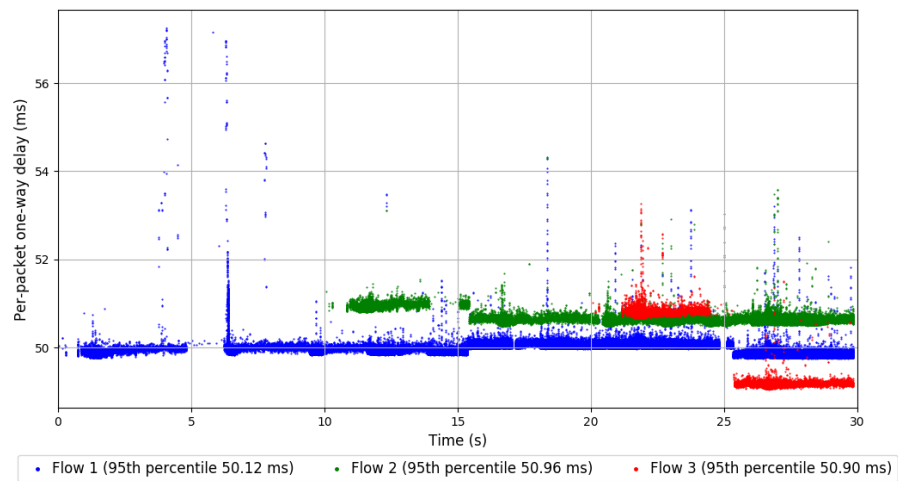
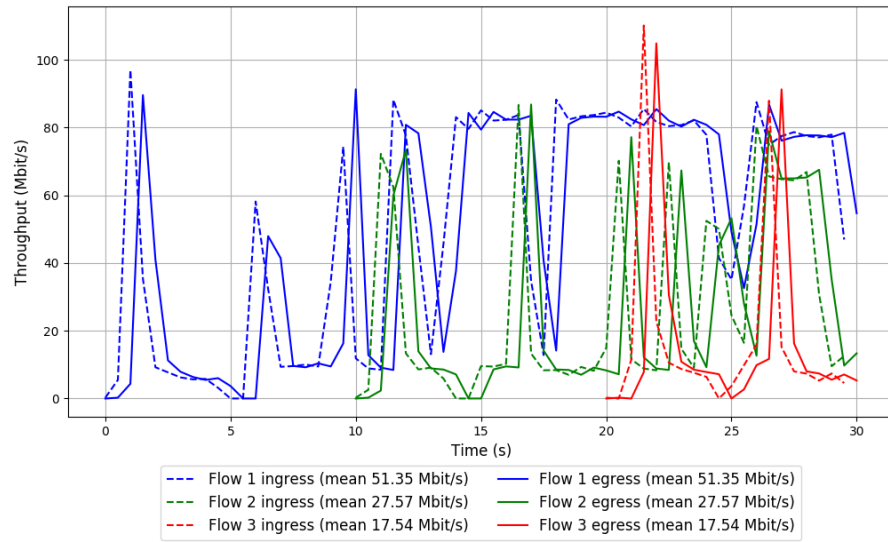


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-12 05:49:48  
End at: 2018-07-12 05:50:18  
Local clock offset: -0.449 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.41 Mbit/s  
95th percentile per-packet one-way delay: 50.845 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 51.35 Mbit/s  
95th percentile per-packet one-way delay: 50.121 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.57 Mbit/s  
95th percentile per-packet one-way delay: 50.958 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 17.54 Mbit/s  
95th percentile per-packet one-way delay: 50.896 ms  
Loss rate: 0.00%

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



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-12 06:14:34

End at: 2018-07-12 06:15:04

Local clock offset: -0.072 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 34.67 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 50.659 ms

Loss rate: 0.00%

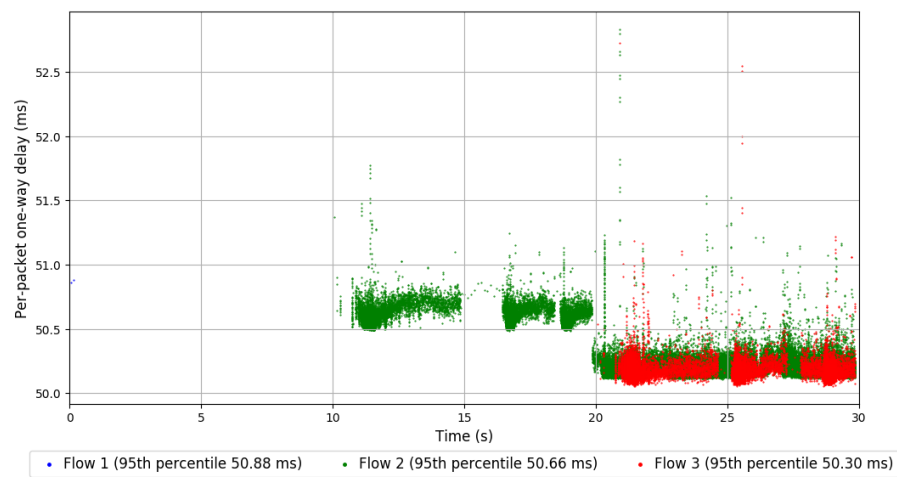
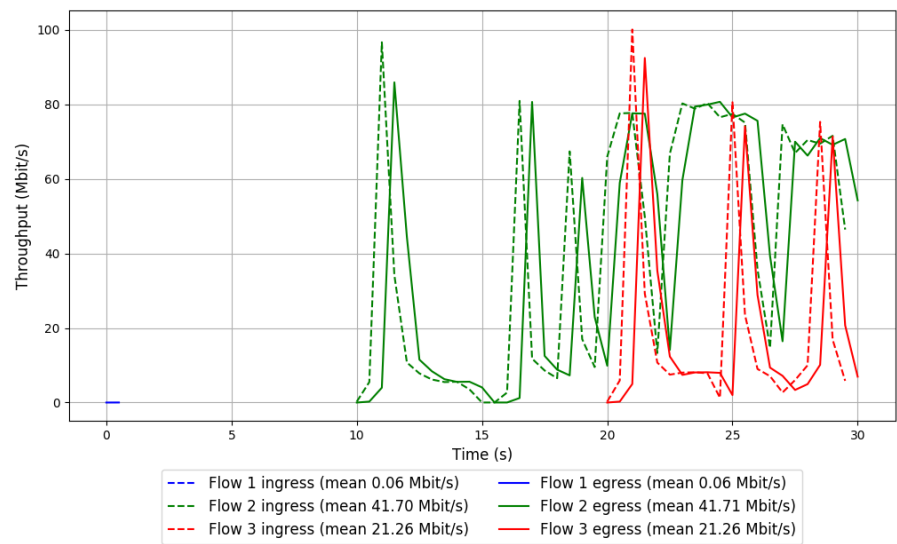
-- Flow 3:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 50.298 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



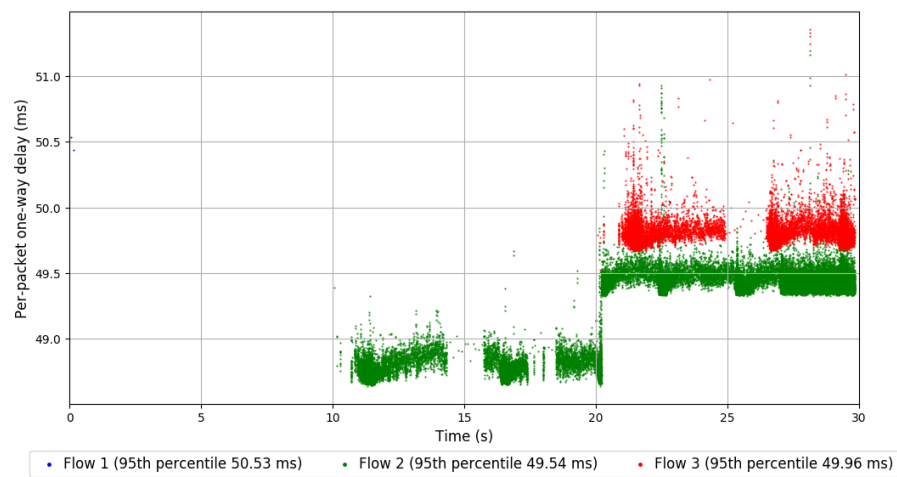
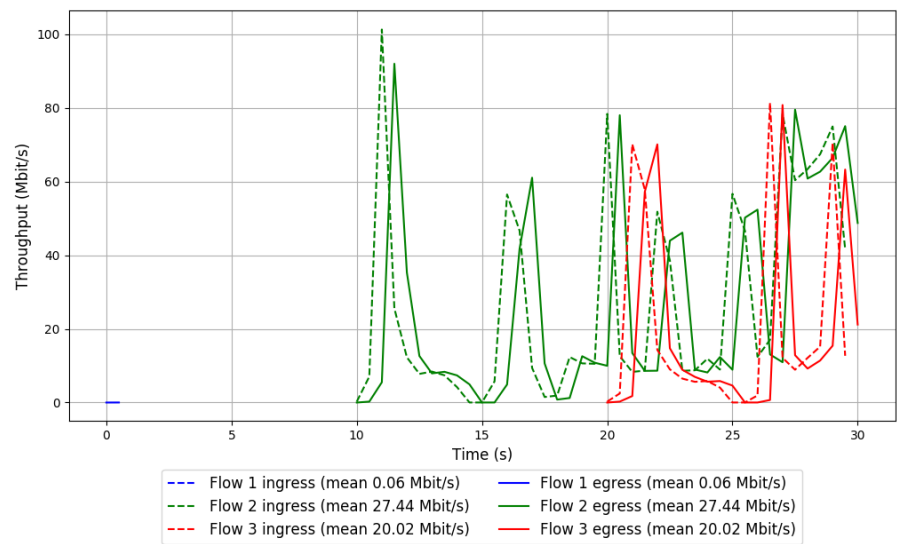
Run 7: Statistics of QUIC Cubic

Start at: 2018-07-12 06:39:34  
End at: 2018-07-12 06:40:04  
Local clock offset: -0.029 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 24.78 Mbit/s  
95th percentile per-packet one-way delay: 49.860 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 50.535 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.44 Mbit/s  
95th percentile per-packet one-way delay: 49.544 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 20.02 Mbit/s  
95th percentile per-packet one-way delay: 49.964 ms  
Loss rate: 0.00%



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-12 07:04:17

End at: 2018-07-12 07:04:47

Local clock offset: 0.32 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.93 Mbit/s

95th percentile per-packet one-way delay: 50.618 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 50.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 50.705 ms

Loss rate: 0.00%

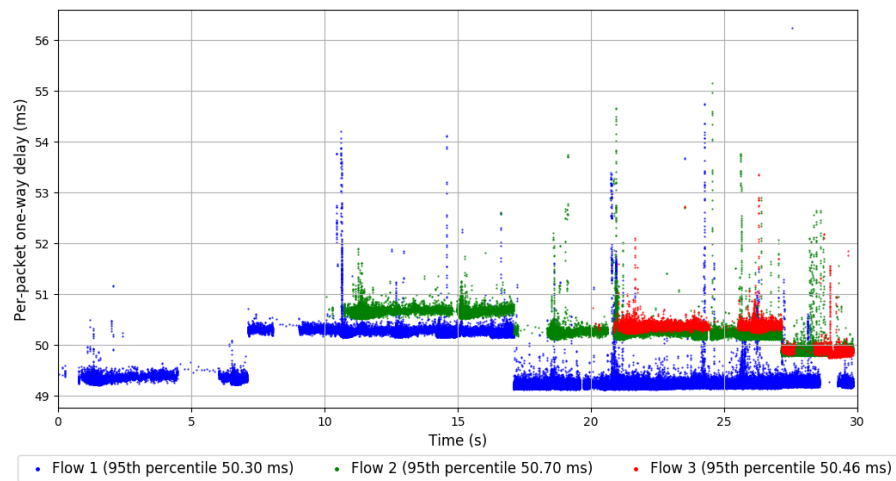
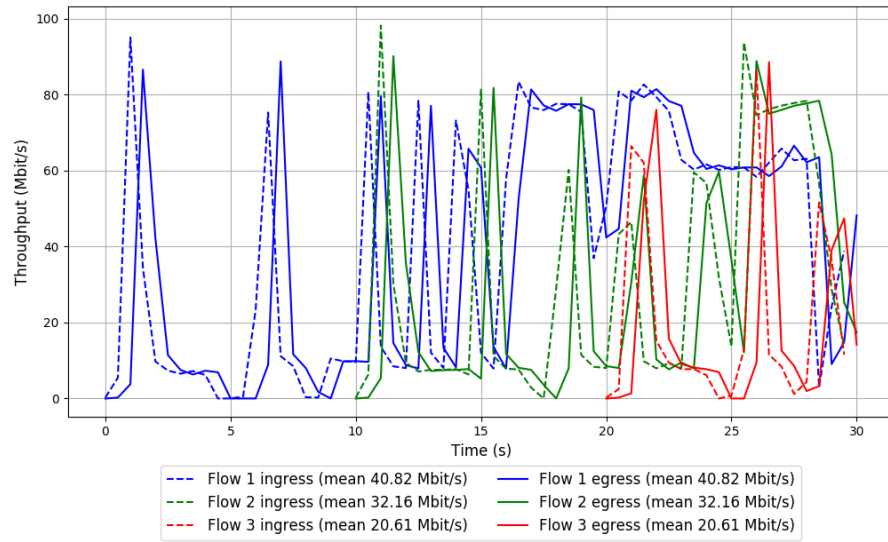
-- Flow 3:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 50.464 ms

Loss rate: 0.00%

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

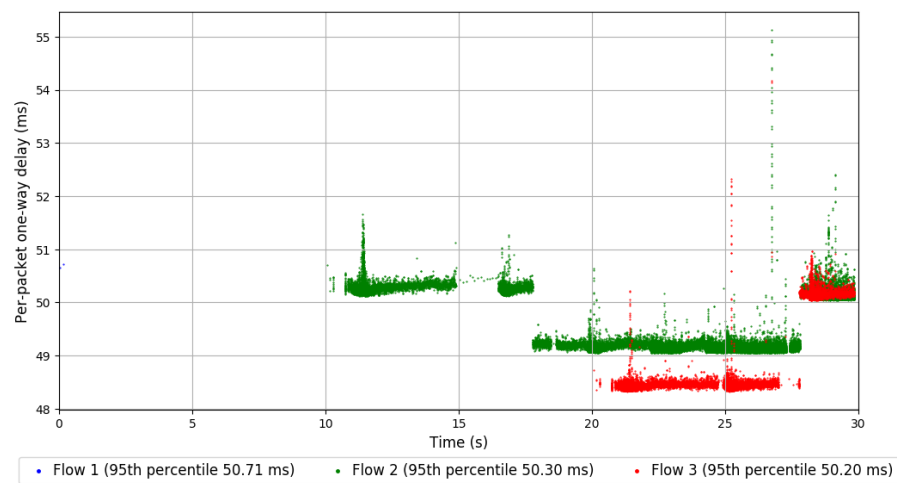
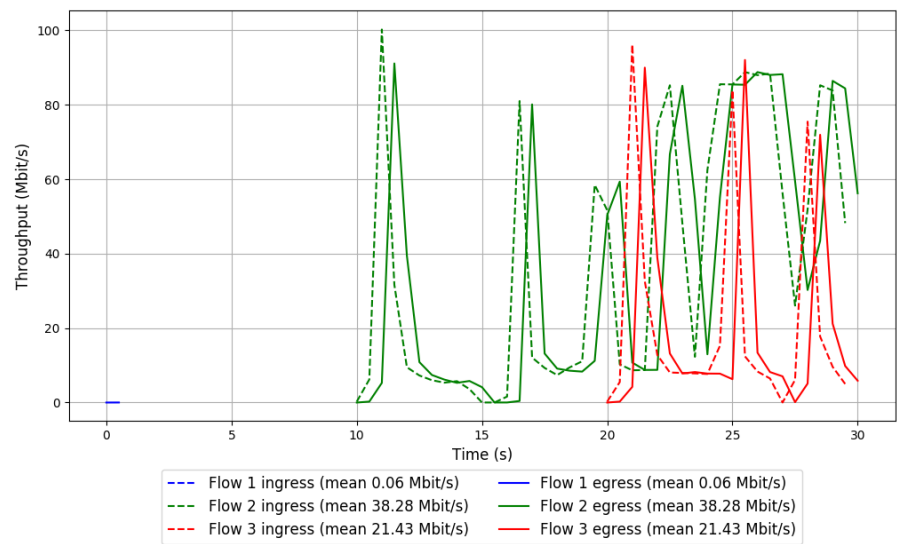


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-12 07:29:16  
End at: 2018-07-12 07:29:46  
Local clock offset: 0.318 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 32.46 Mbit/s  
95th percentile per-packet one-way delay: 50.287 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 50.714 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.28 Mbit/s  
95th percentile per-packet one-way delay: 50.299 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 21.43 Mbit/s  
95th percentile per-packet one-way delay: 50.203 ms  
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

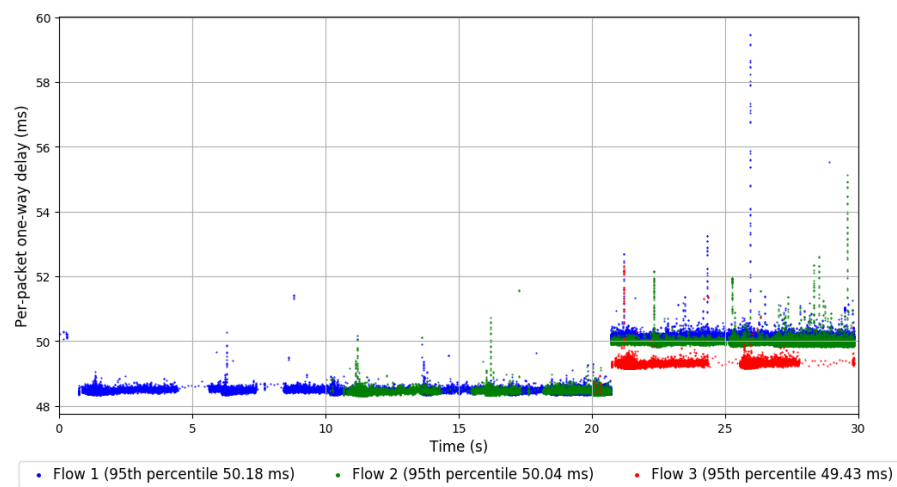
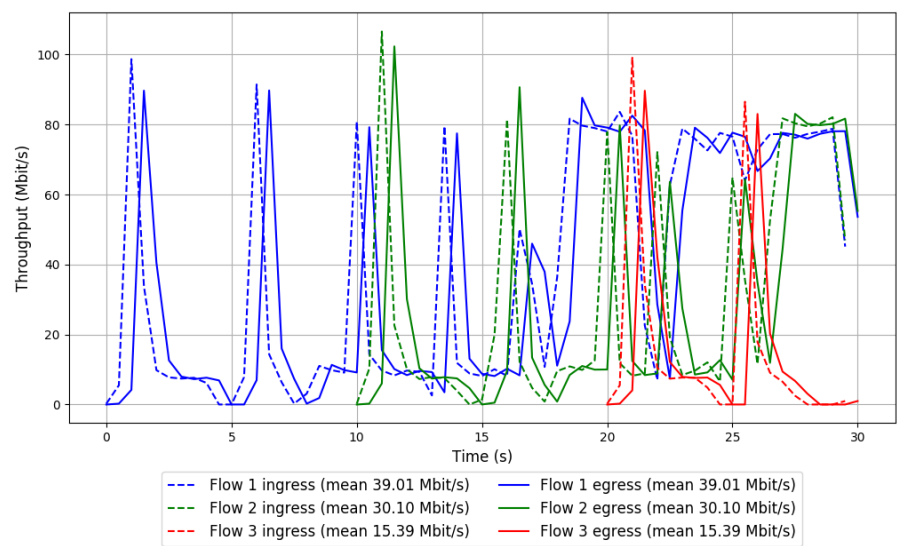


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-12 07:54:13  
End at: 2018-07-12 07:54:43  
Local clock offset: 0.32 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.05 Mbit/s  
95th percentile per-packet one-way delay: 50.168 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 39.01 Mbit/s  
95th percentile per-packet one-way delay: 50.184 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 30.10 Mbit/s  
95th percentile per-packet one-way delay: 50.042 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 15.39 Mbit/s  
95th percentile per-packet one-way delay: 49.430 ms  
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



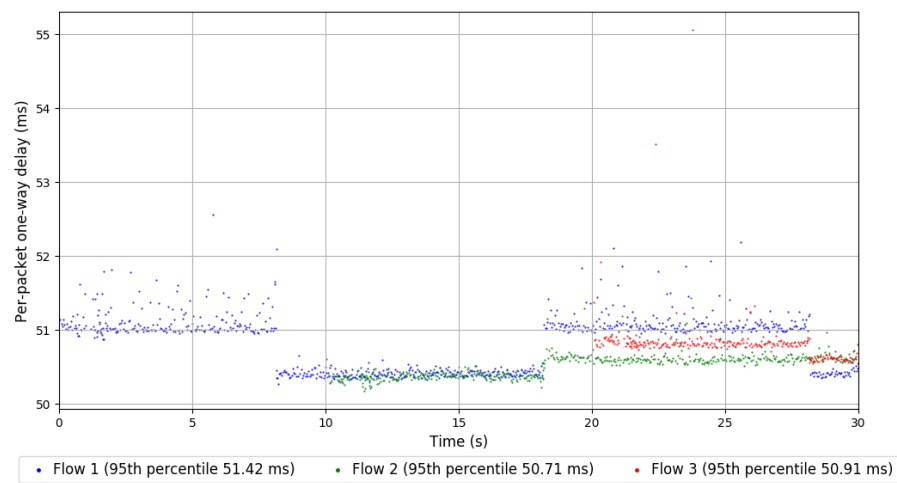
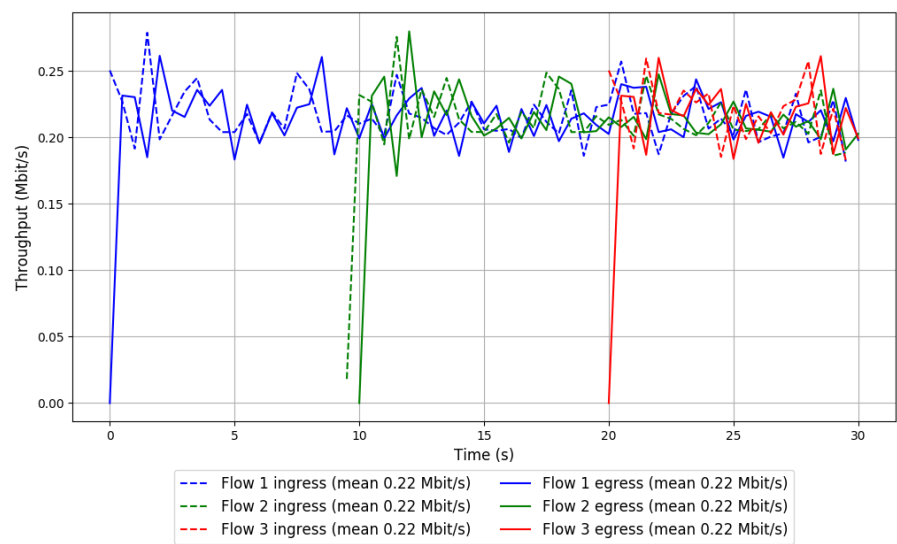
```
Run 1: Statistics of SReAM

Start at: 2018-07-12 04:03:46
End at: 2018-07-12 04:04:16
Local clock offset: -0.089 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-12 10:30:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 0.00%
```



Run 1: Report of SCReAM — Data Link

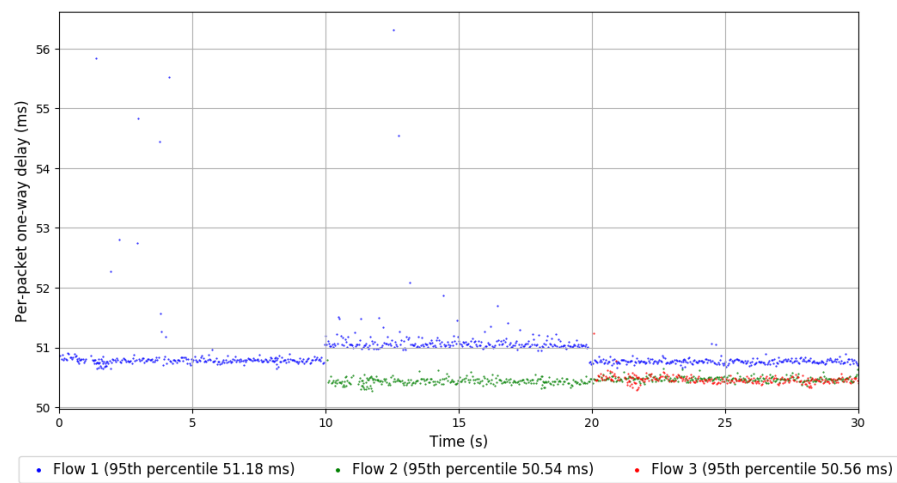
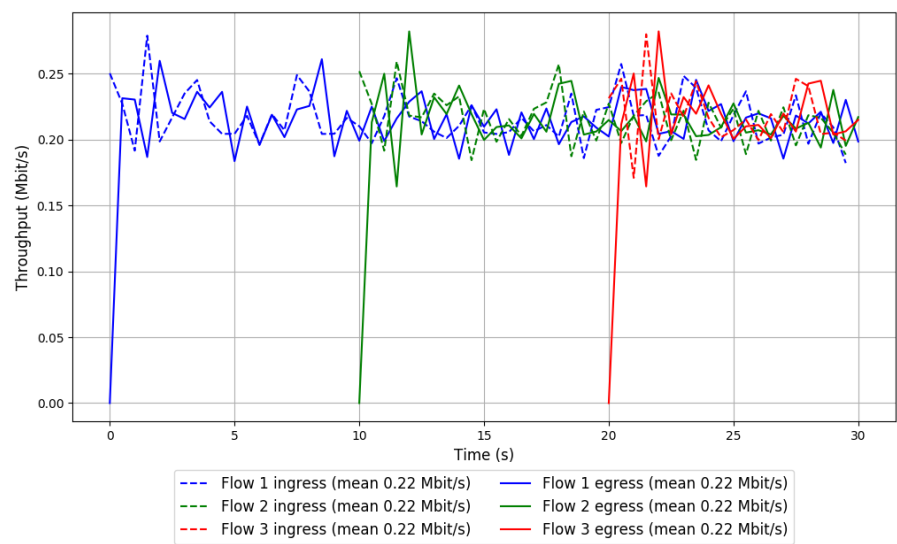


Run 2: Statistics of SReAM

Start at: 2018-07-12 04:28:54  
End at: 2018-07-12 04:29:24  
Local clock offset: -0.103 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 51.101 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.180 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.541 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.561 ms  
Loss rate: 0.00%

Run 2: Report of SCSReAM — Data Link

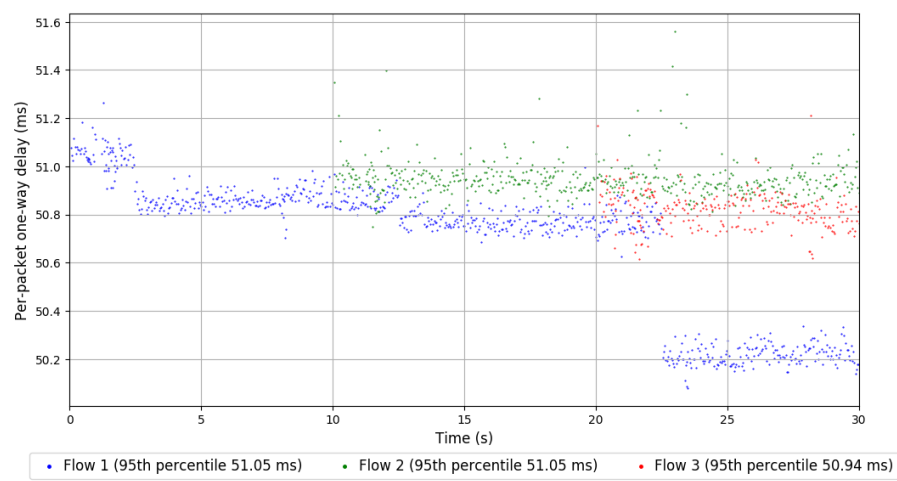
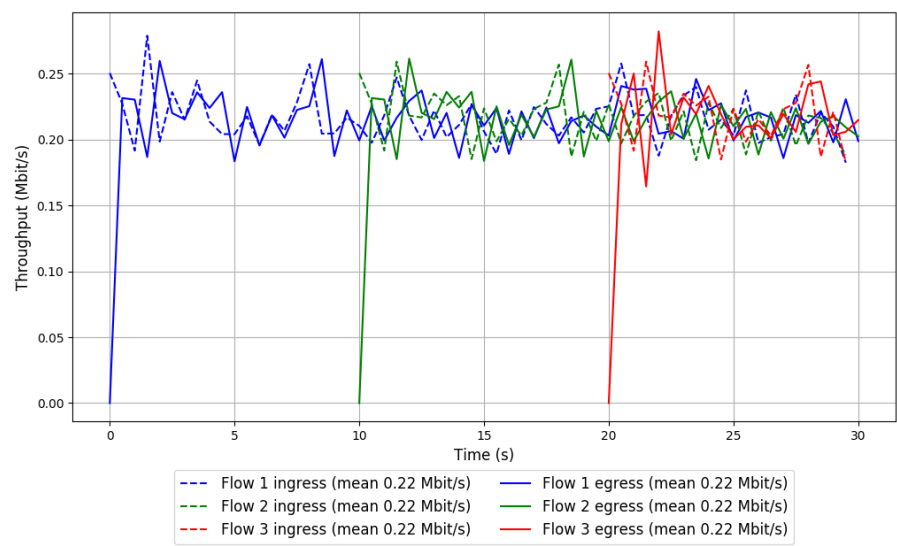


Run 3: Statistics of SReAM

Start at: 2018-07-12 04:54:11  
End at: 2018-07-12 04:54:41  
Local clock offset: -0.426 ms  
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-12 10:30:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 51.037 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.047 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.051 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.942 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-12 05:19:43

End at: 2018-07-12 05:20:13

Local clock offset: -0.081 ms

Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-07-12 10:30:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.728 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.718 ms

Loss rate: 0.00%

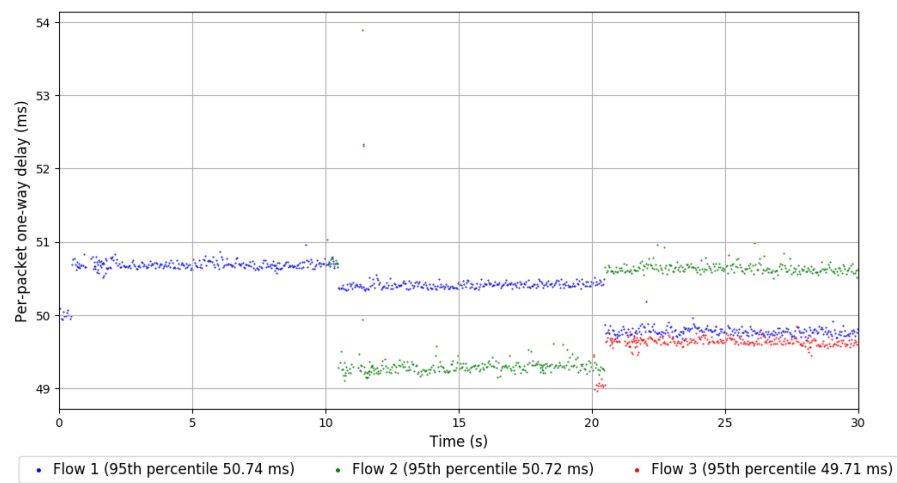
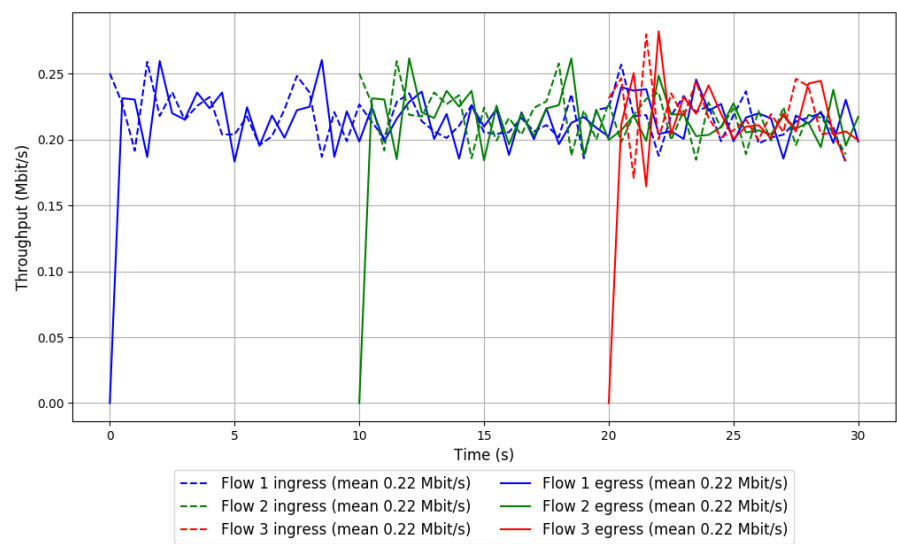
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.706 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



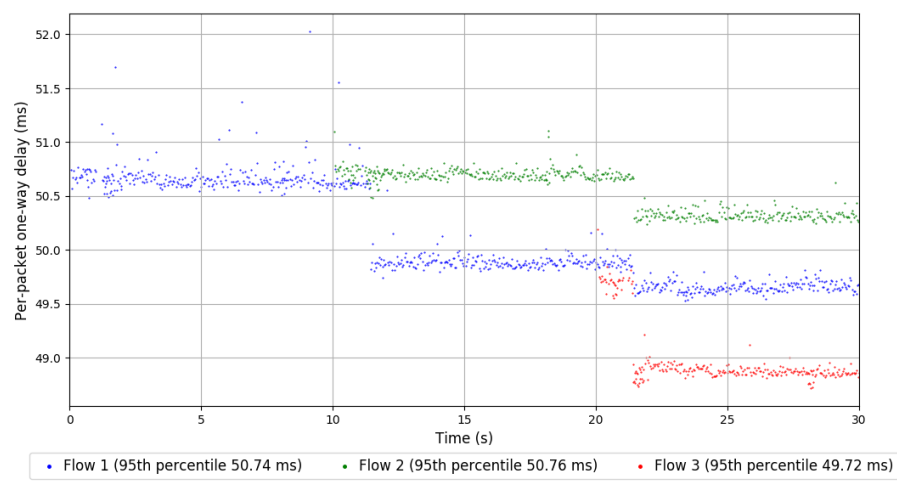
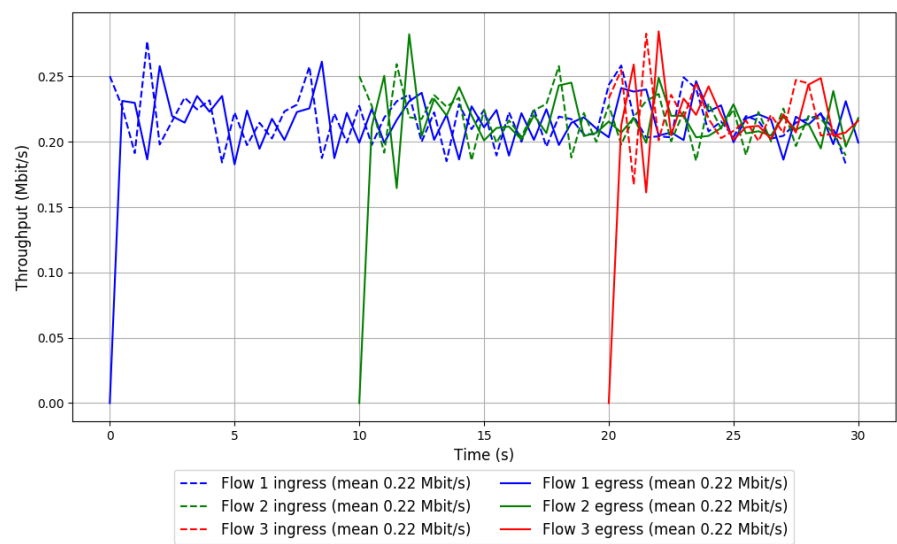
Run 5: Statistics of SReAM

Start at: 2018-07-12 05:44:52  
End at: 2018-07-12 05:45:22  
Local clock offset: -0.049 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 50.748 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.744 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.761 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.719 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link

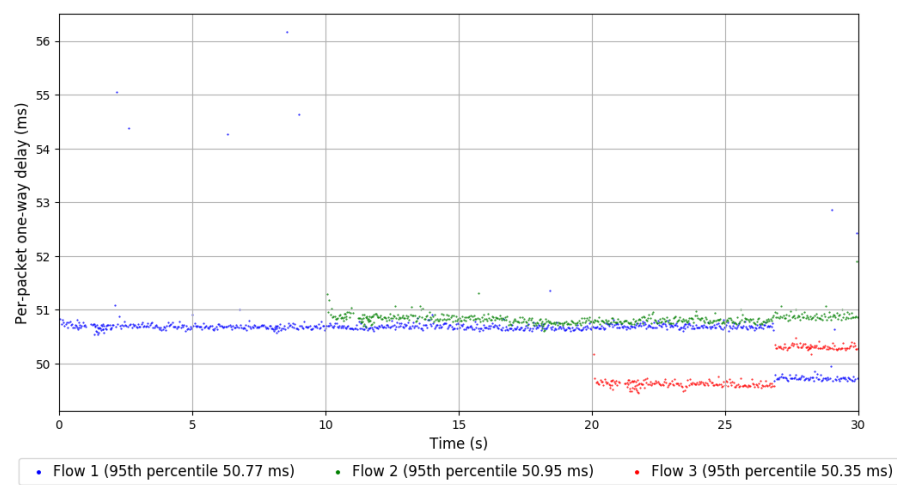
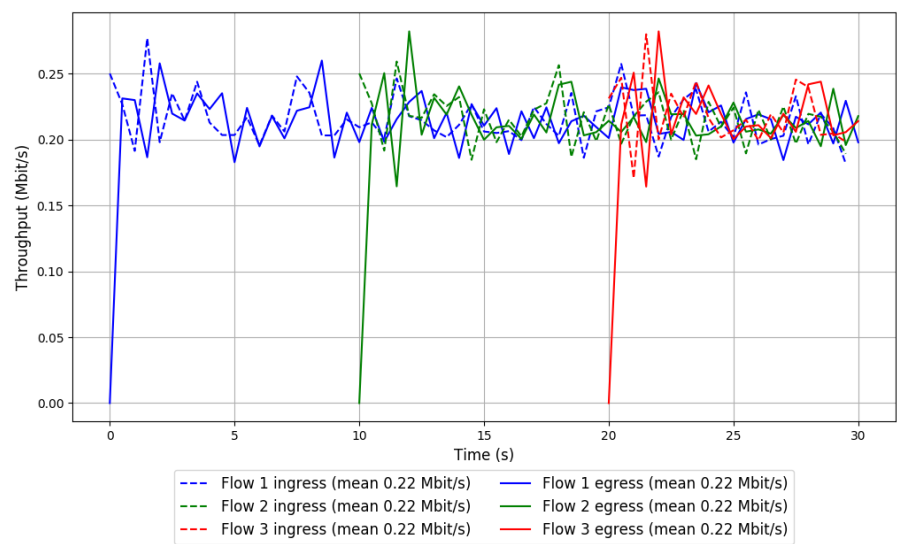


Run 6: Statistics of SReAM

Start at: 2018-07-12 06:09:37  
End at: 2018-07-12 06:10:07  
Local clock offset: -0.083 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.901 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.771 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.953 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.353 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

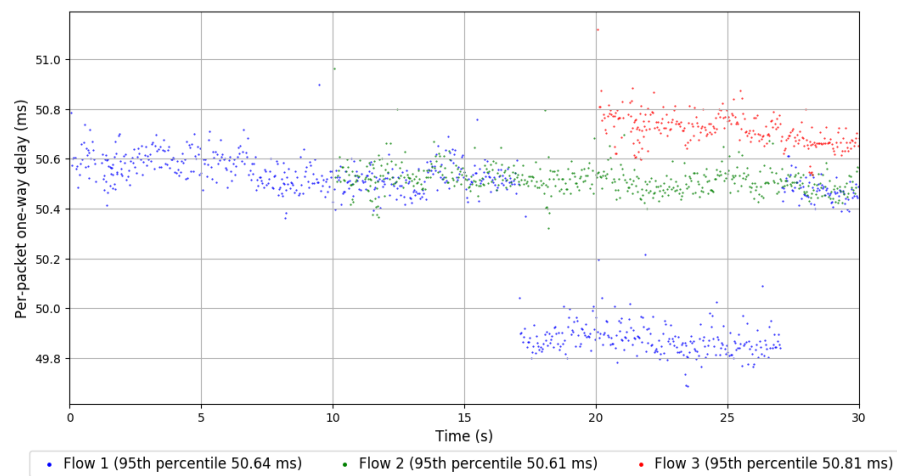
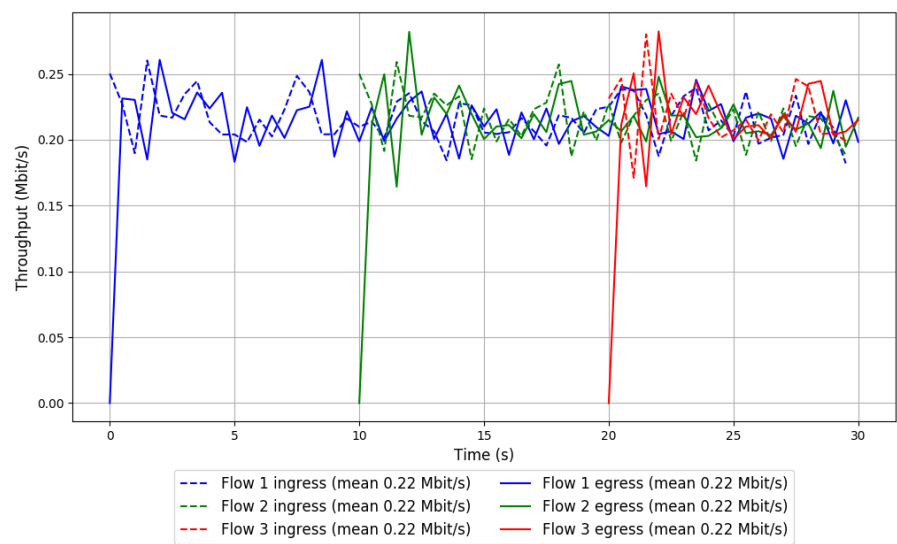


Run 7: Statistics of SReAM

Start at: 2018-07-12 06:34:47  
End at: 2018-07-12 06:35:17  
Local clock offset: -0.116 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.755 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.640 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.606 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.813 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

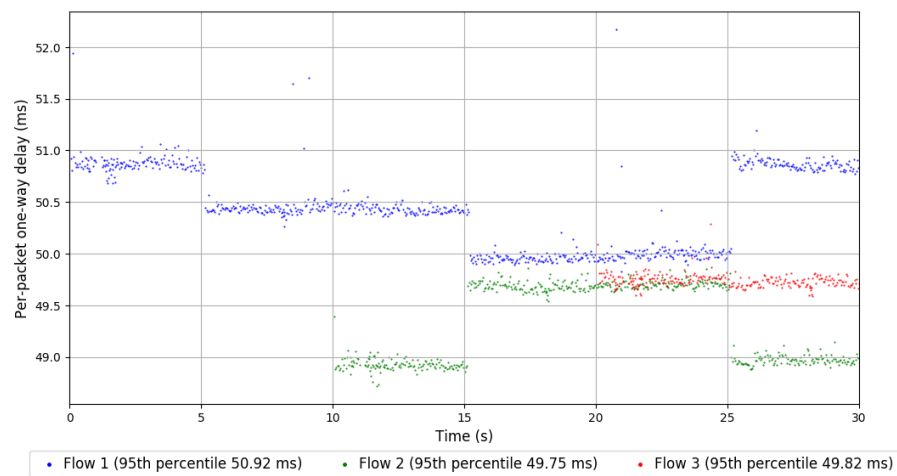
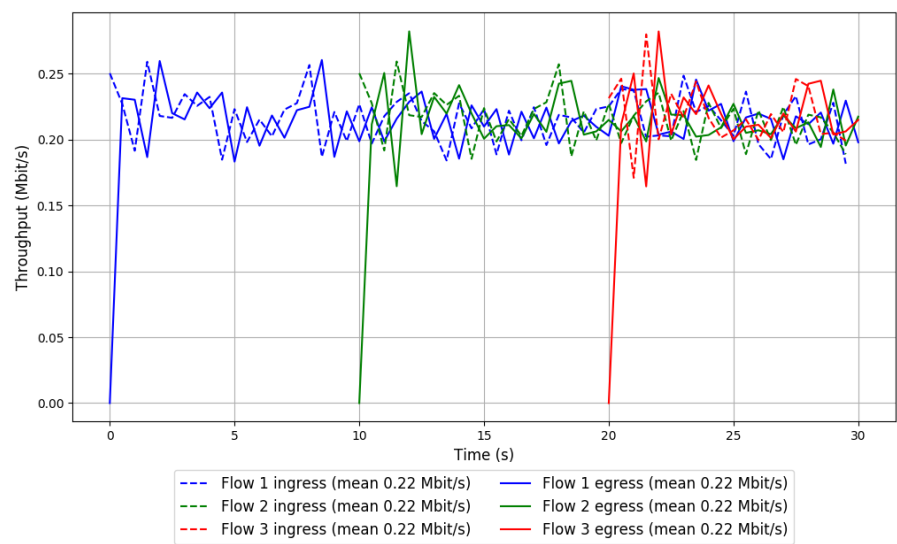


Run 8: Statistics of SReAM

Start at: 2018-07-12 06:59:29  
End at: 2018-07-12 06:59:59  
Local clock offset: -0.048 ms  
Remote clock offset: -0.029 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.824 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link



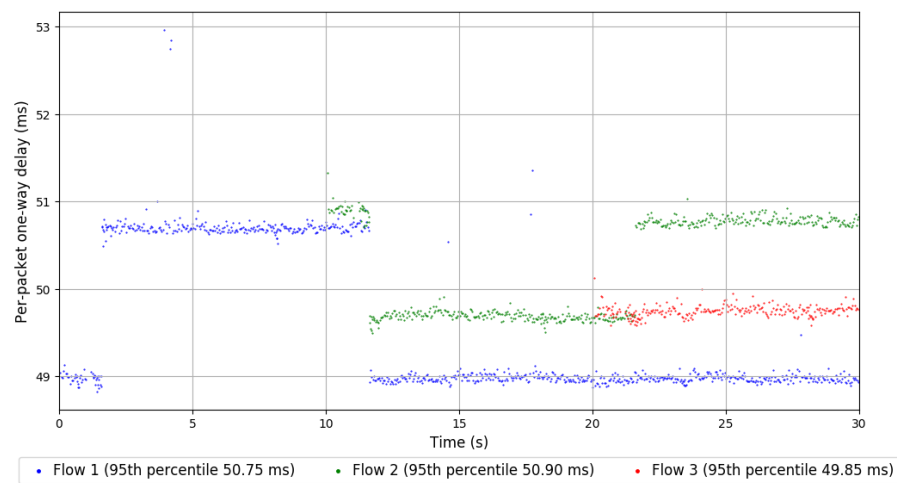
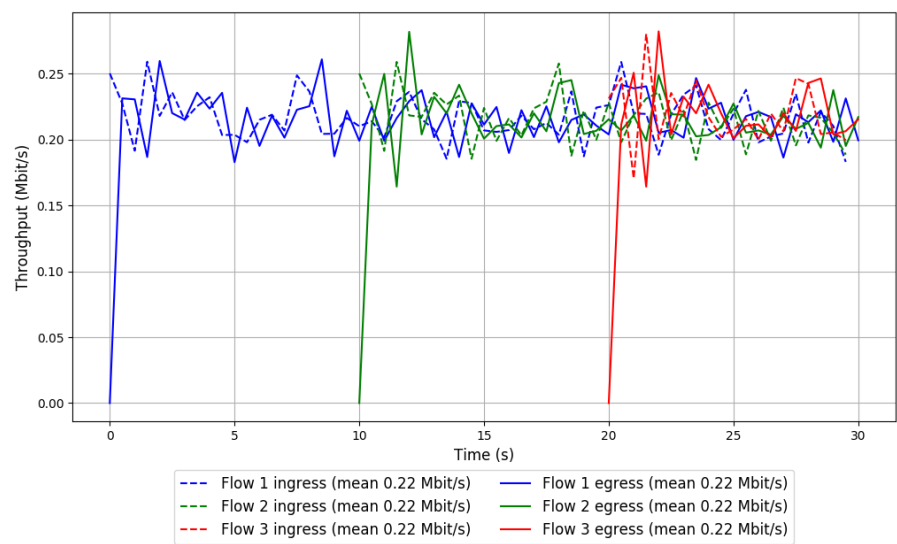
Run 9: Statistics of SReAM

Start at: 2018-07-12 07:24:22  
End at: 2018-07-12 07:24:52  
Local clock offset: -0.022 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.838 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.747 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.902 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.851 ms  
Loss rate: 0.00%



Run 9: Report of SReAM — Data Link

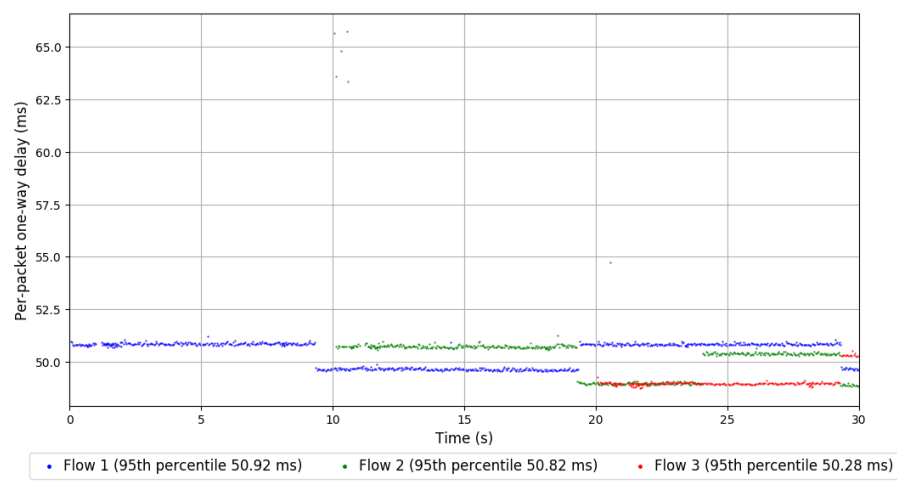
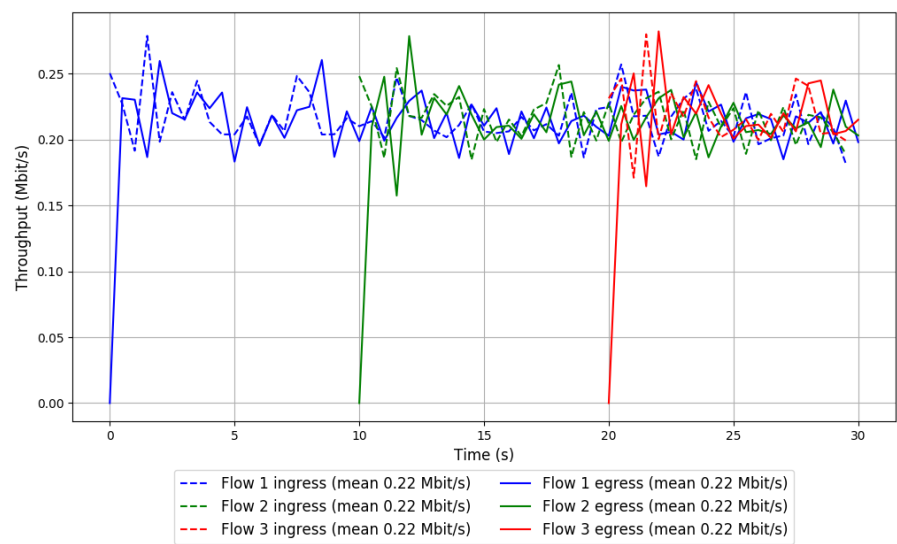


Run 10: Statistics of SReAM

Start at: 2018-07-12 07:49:25  
End at: 2018-07-12 07:49:55  
Local clock offset: -0.031 ms  
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 50.897 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.920 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.819 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.280 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-12 03:59:38

End at: 2018-07-12 04:00:08

Local clock offset: -0.132 ms

Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-07-12 10:30:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 50.984 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 51.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 50.755 ms

Loss rate: 0.00%

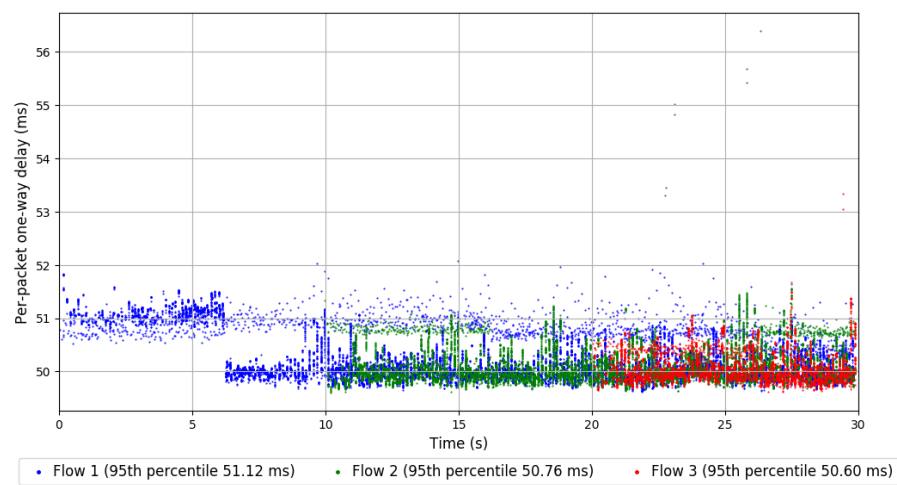
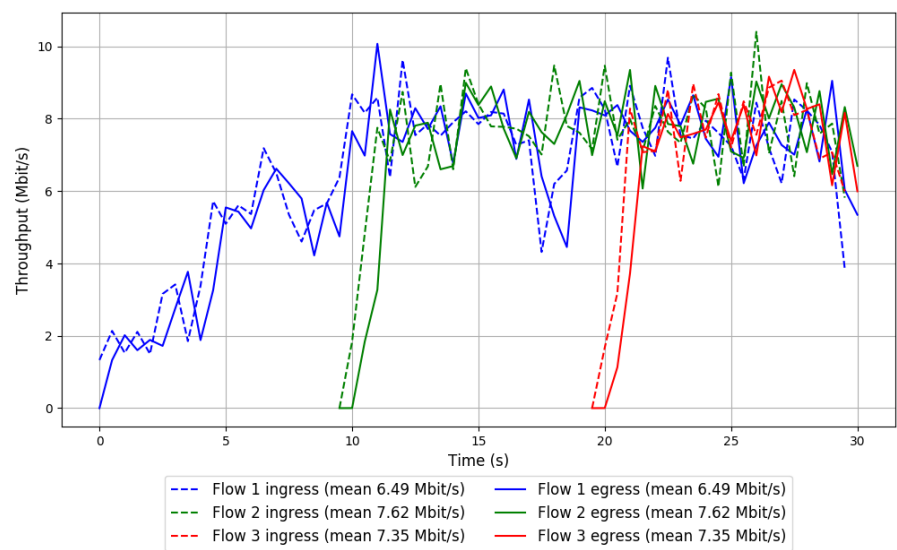
-- Flow 3:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 50.598 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

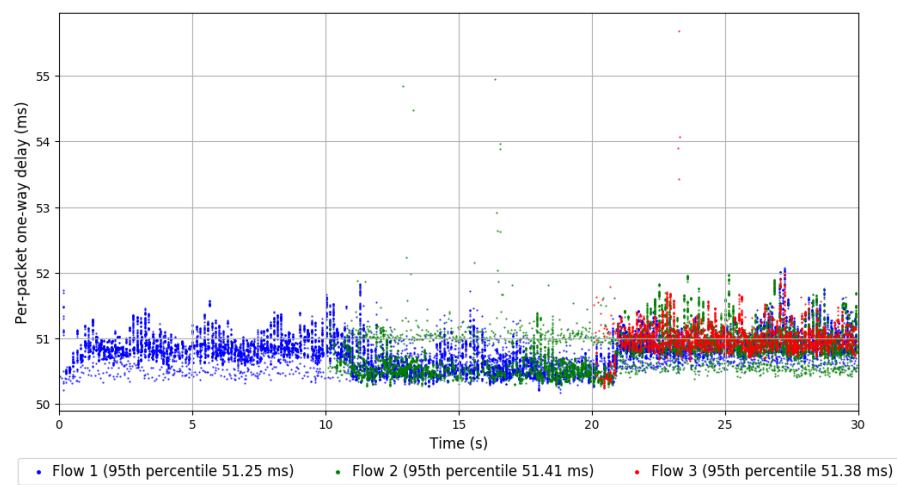
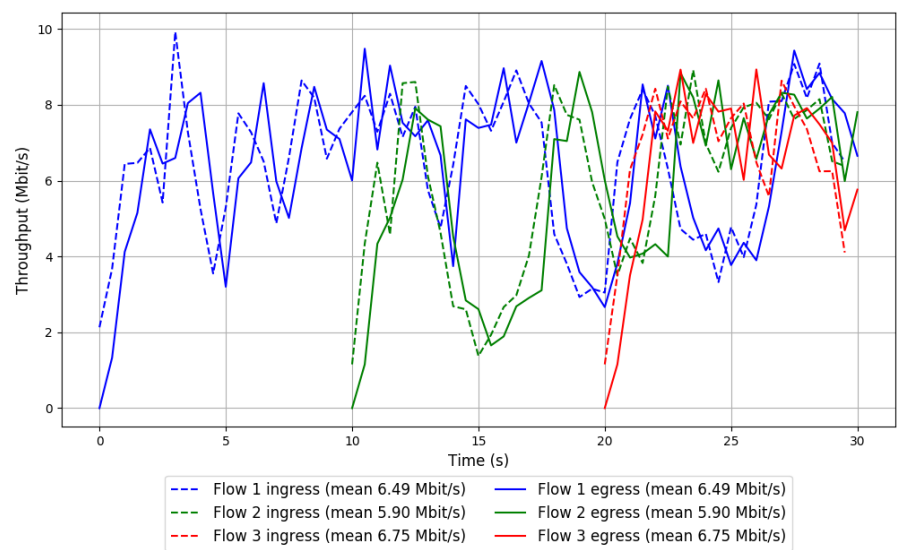


## Run 2: Statistics of Sprout

Start at: 2018-07-12 04:24:53  
End at: 2018-07-12 04:25:23  
Local clock offset: -0.089 ms  
Remote clock offset: -0.012 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 51.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 51.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 51.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 51.382 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



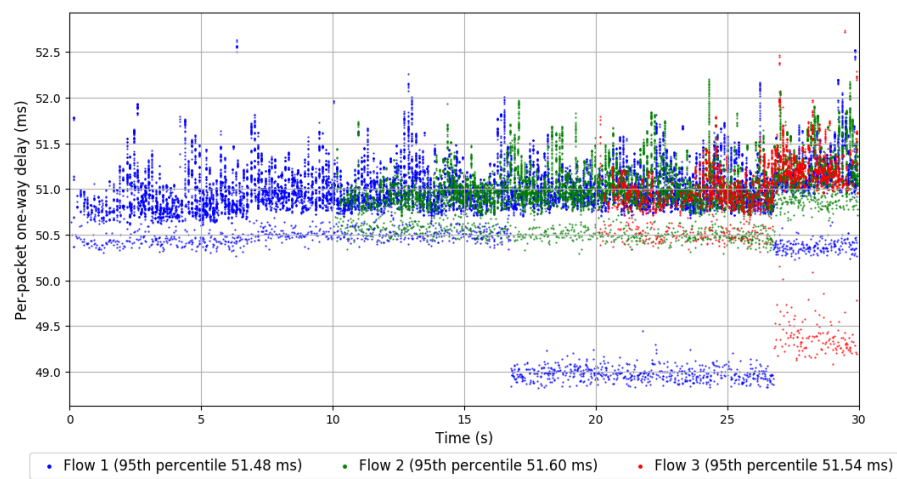
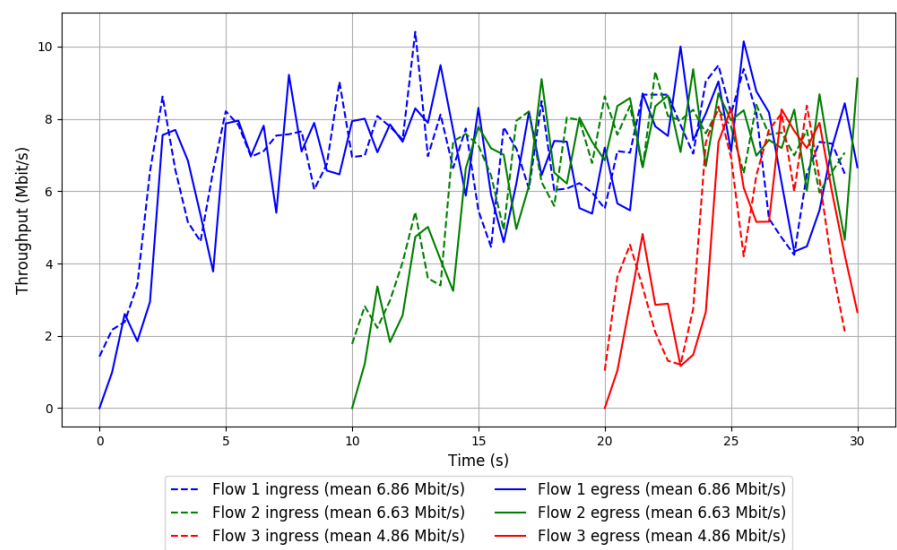
### Run 3: Statistics of Sprout

Start at: 2018-07-12 04:50:07  
End at: 2018-07-12 04:50:37  
Local clock offset: -0.105 ms  
Remote clock offset: 0.015 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 51.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 51.483 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 51.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%
```



Run 3: Report of Sprout — Data Link

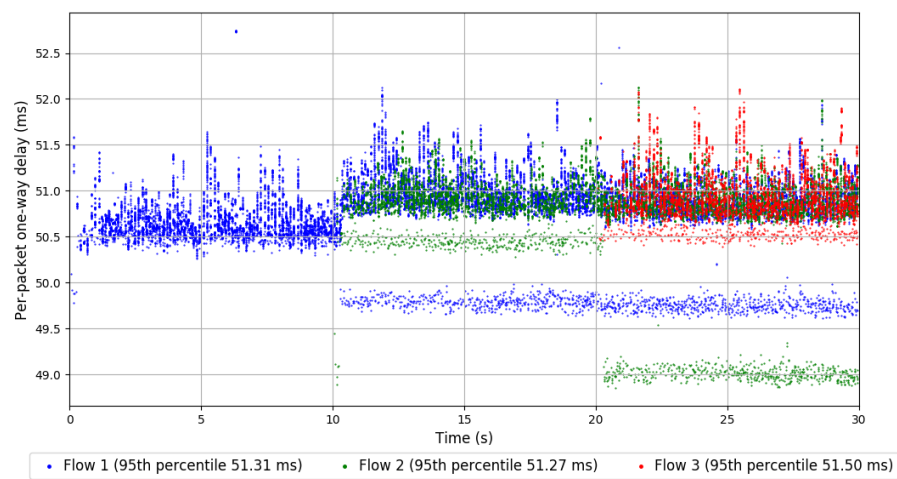
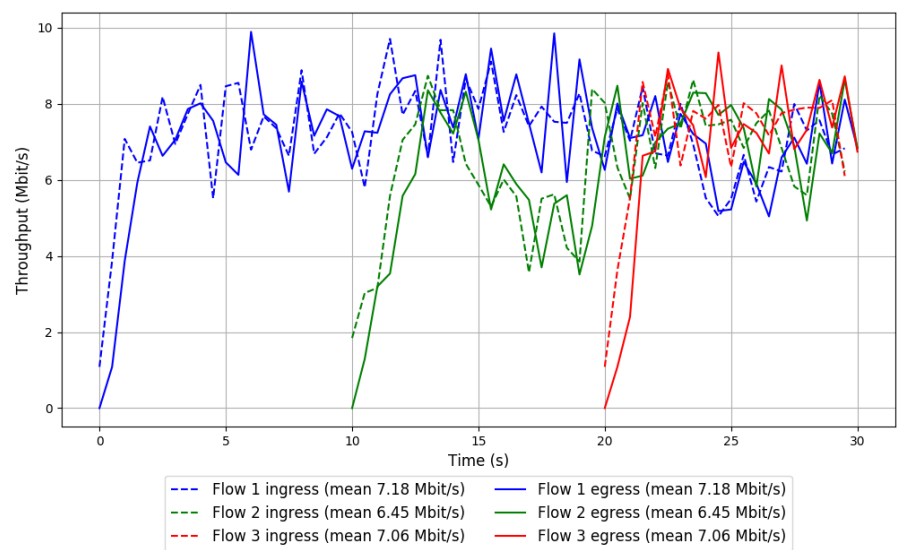


#### Run 4: Statistics of Sprout

Start at: 2018-07-12 05:15:34  
End at: 2018-07-12 05:16:04  
Local clock offset: -0.111 ms  
Remote clock offset: 0.061 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 51.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 51.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 51.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 51.497 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-12 05:40:46

End at: 2018-07-12 05:41:16

Local clock offset: 0.248 ms

Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-07-12 10:30:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 50.816 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 50.797 ms

Loss rate: 0.00%

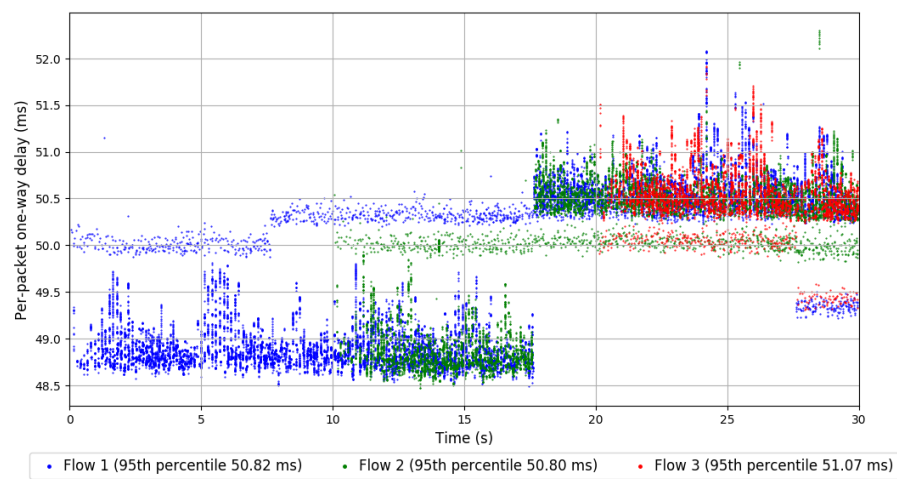
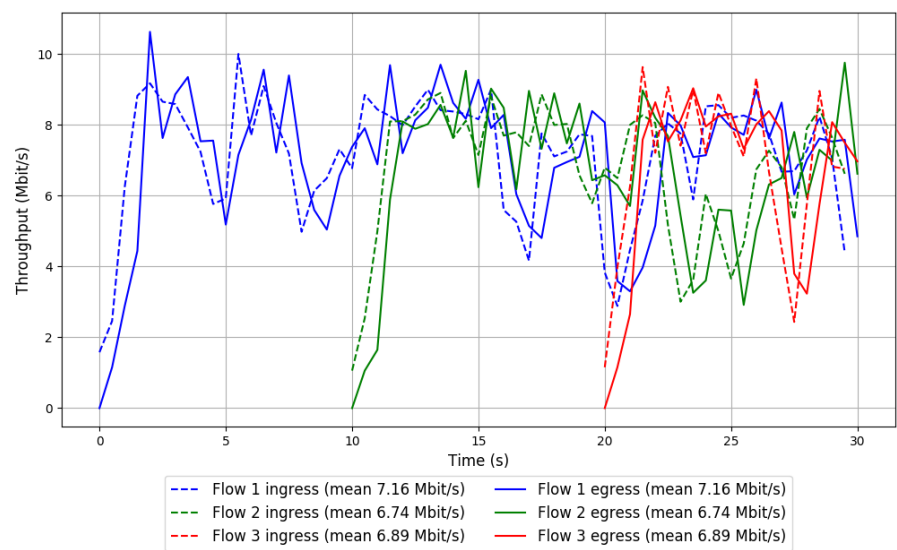
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 51.071 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

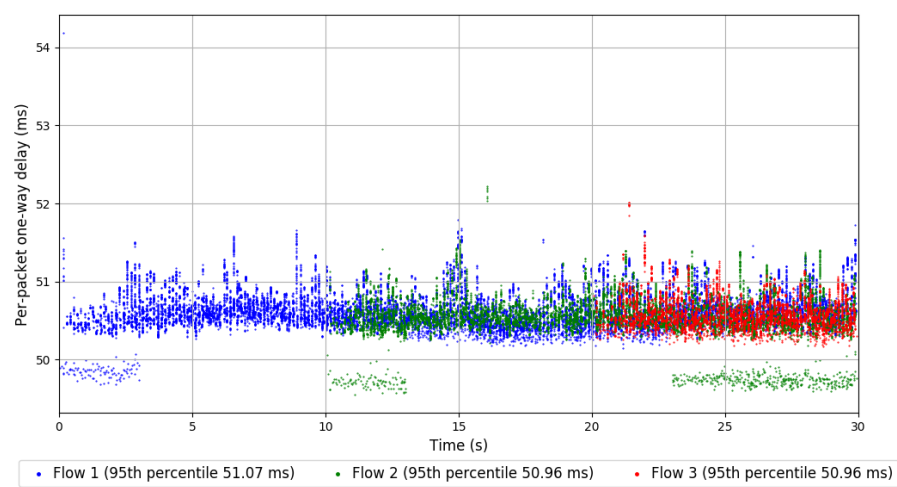
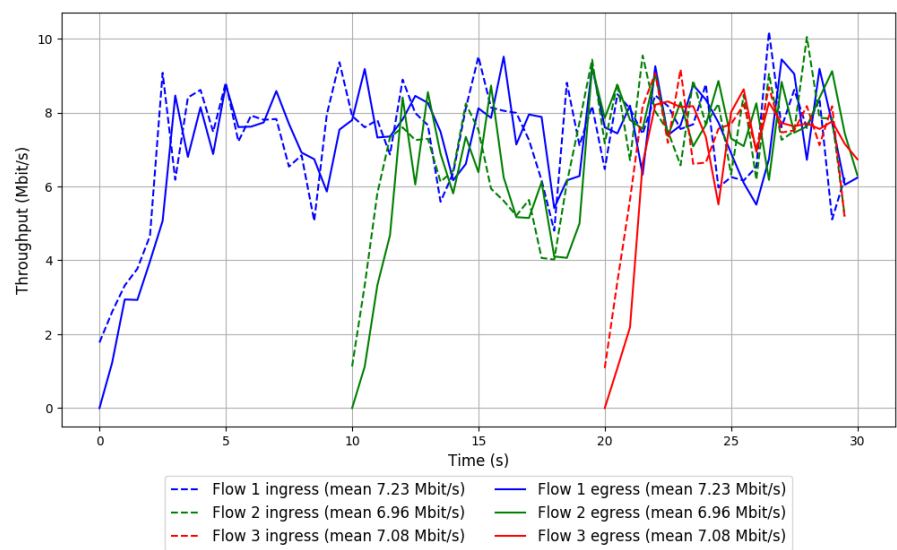


Run 6: Statistics of Sprout

Start at: 2018-07-12 06:05:31  
End at: 2018-07-12 06:06:01  
Local clock offset: -0.078 ms  
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-07-12 10:30:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.19 Mbit/s  
95th percentile per-packet one-way delay: 51.024 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 7.23 Mbit/s  
95th percentile per-packet one-way delay: 51.073 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.96 Mbit/s  
95th percentile per-packet one-way delay: 50.957 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 7.08 Mbit/s  
95th percentile per-packet one-way delay: 50.961 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-12 06:30:40

End at: 2018-07-12 06:31:10

Local clock offset: 0.212 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-07-12 10:30:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 50.871 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 50.846 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 50.895 ms

Loss rate: 0.00%

-- Flow 3:

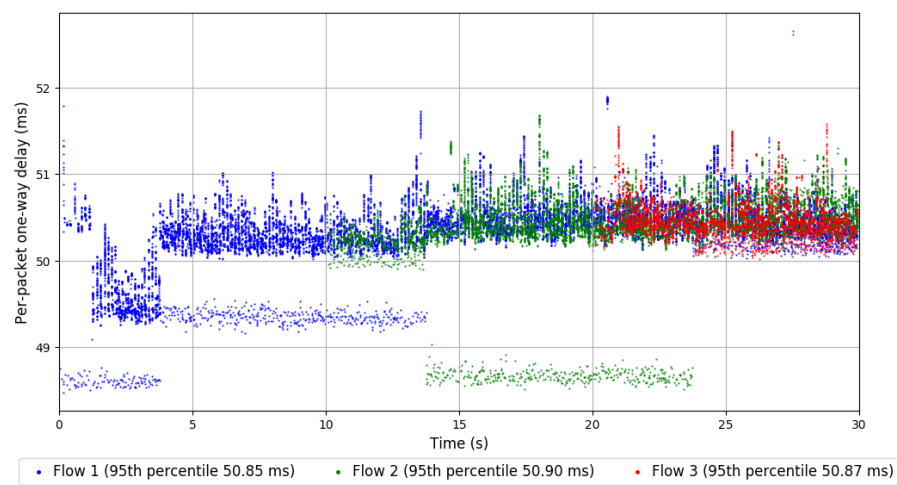
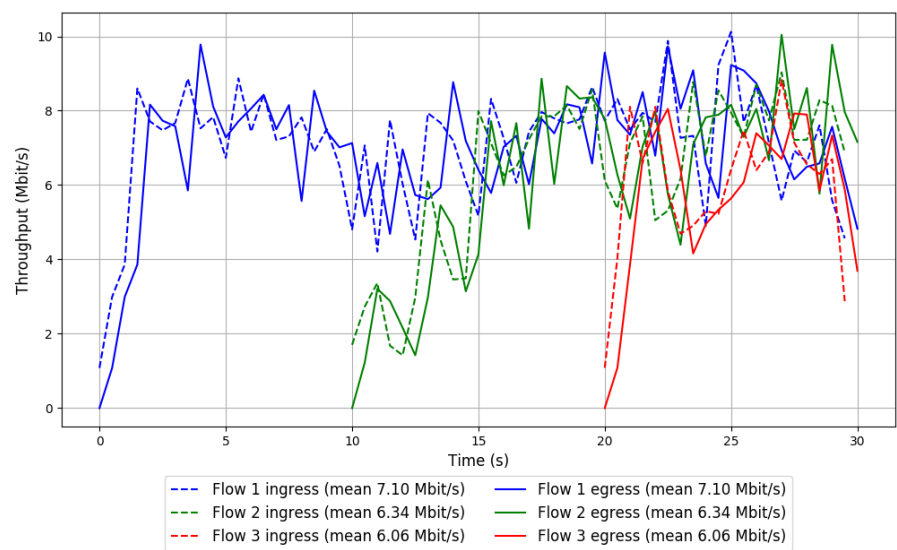
Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 50.866 ms

Loss rate: 0.00%



Run 7: Report of Sprout — Data Link

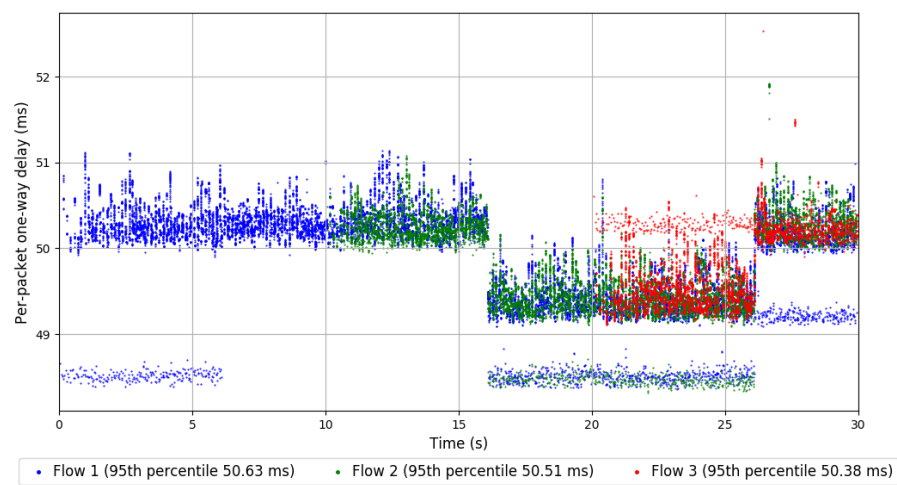
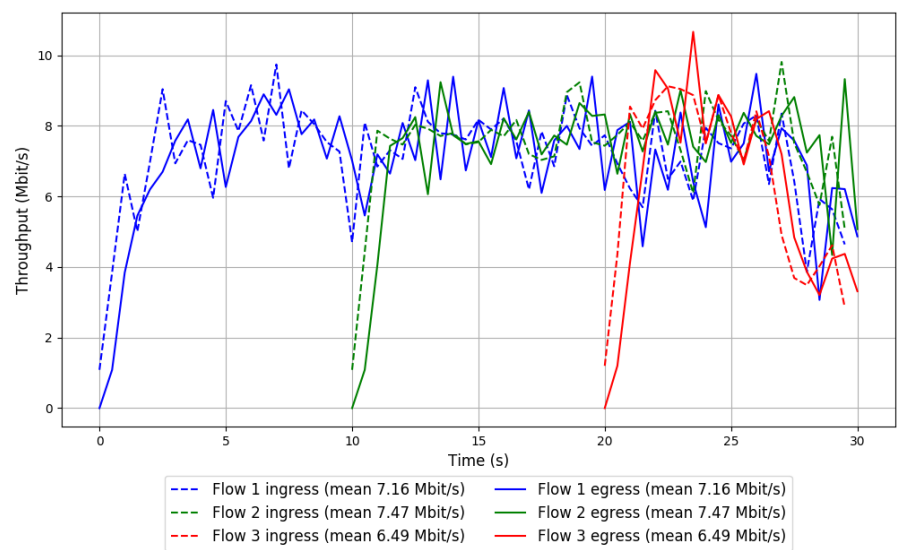


Run 8: Statistics of Sprout

Start at: 2018-07-12 06:55:28  
End at: 2018-07-12 06:55:58  
Local clock offset: 0.37 ms  
Remote clock offset: -0.013 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 50.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 50.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 50.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 50.380 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

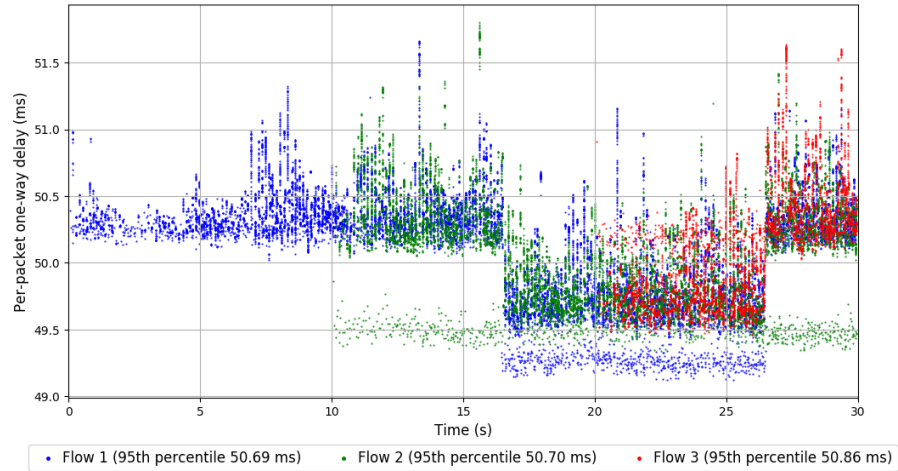
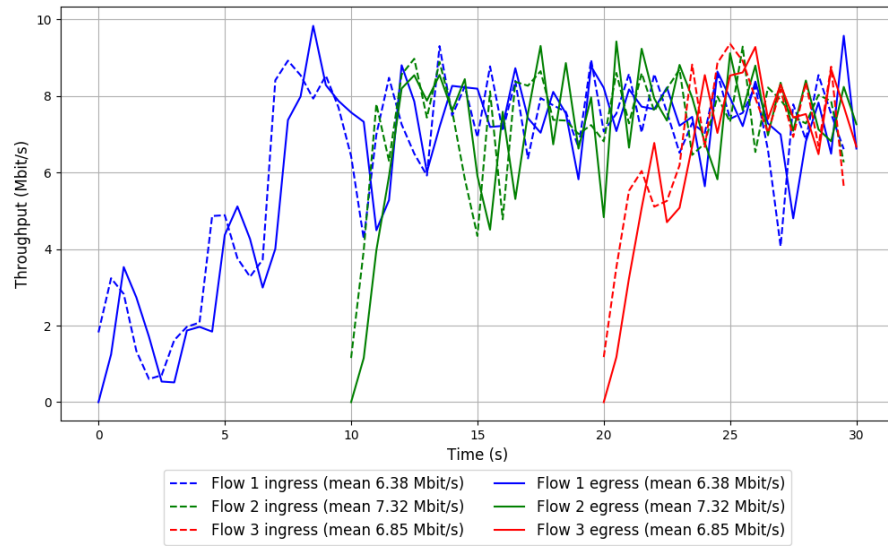


Run 9: Statistics of Sprout

Start at: 2018-07-12 07:20:17  
End at: 2018-07-12 07:20:47  
Local clock offset: 0.345 ms  
Remote clock offset: -0.063 ms

```
# Below is generated by plot.py at 2018-07-12 10:30:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 50.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 50.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-12 07:45:17

End at: 2018-07-12 07:45:47

Local clock offset: -0.049 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-07-12 10:30:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 51.116 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 51.161 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 51.010 ms

Loss rate: 0.00%

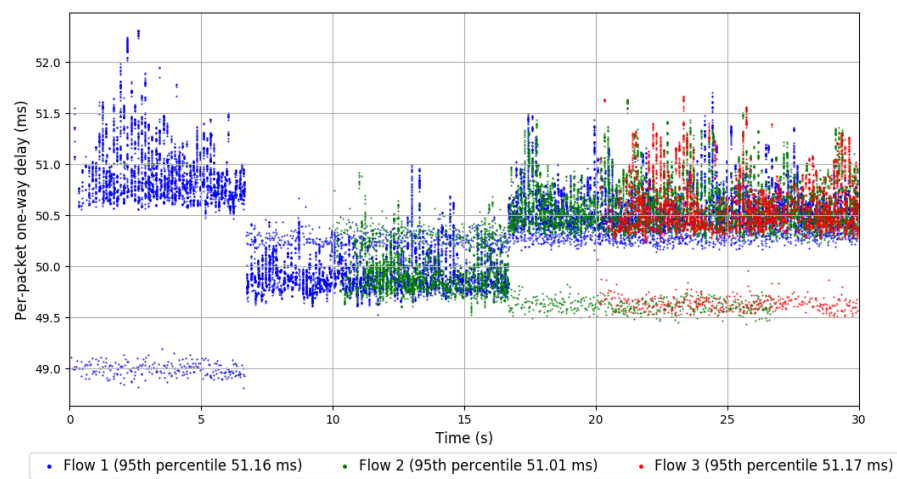
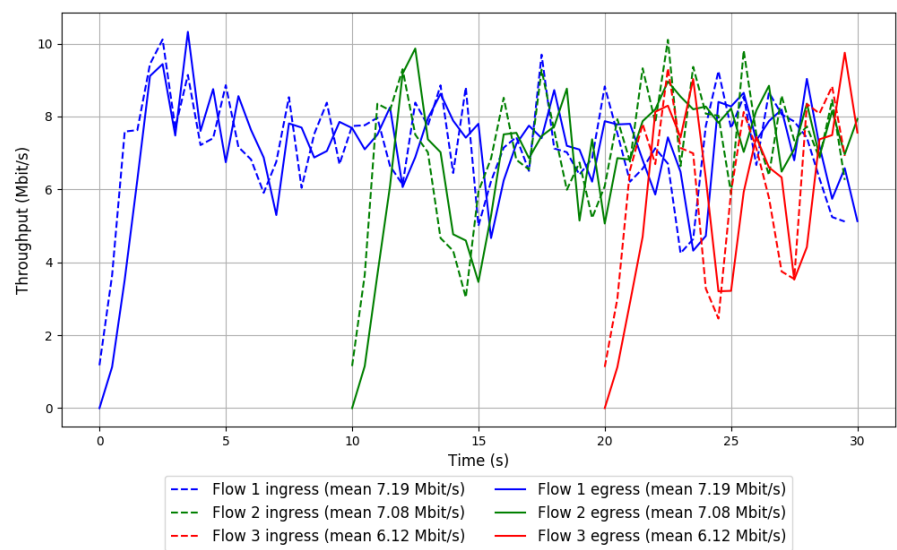
-- Flow 3:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 51.169 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



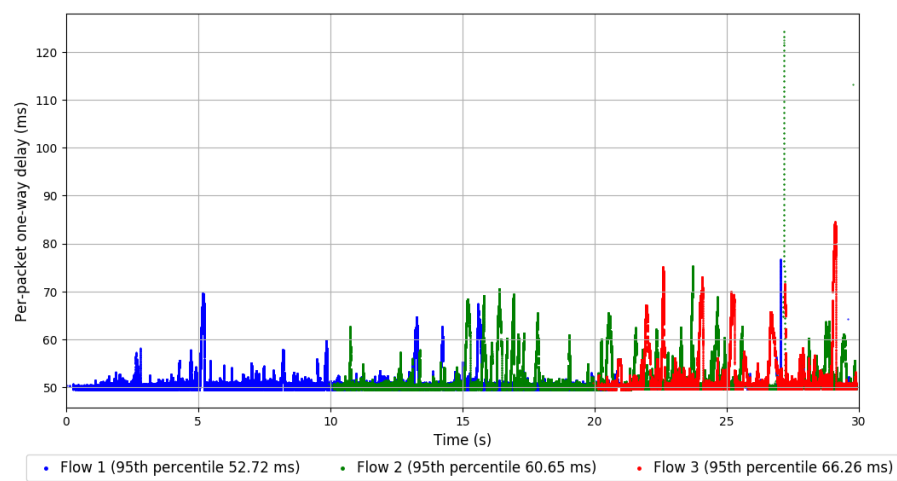
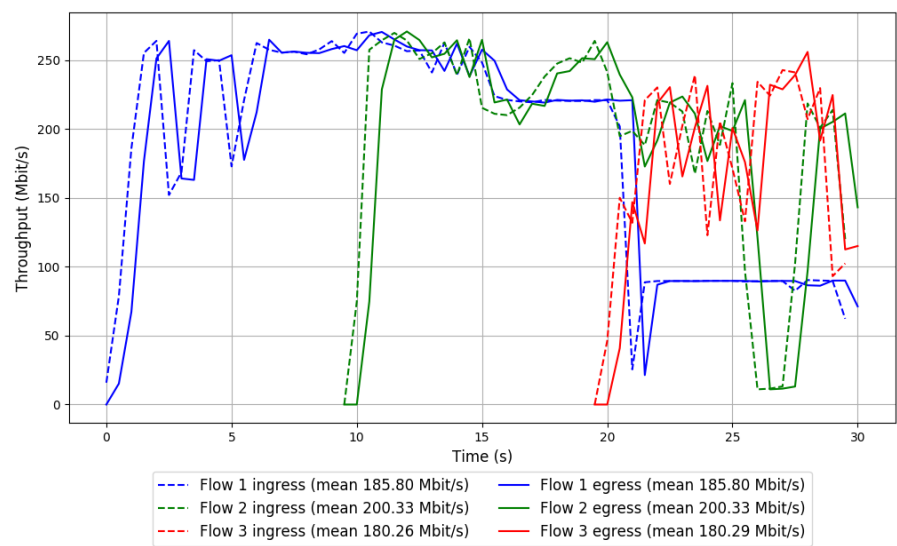
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-12 03:55:02
End at: 2018-07-12 03:55:32
Local clock offset: -0.105 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 10:34:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 379.94 Mbit/s
95th percentile per-packet one-way delay: 59.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.80 Mbit/s
95th percentile per-packet one-way delay: 52.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.33 Mbit/s
95th percentile per-packet one-way delay: 60.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 180.29 Mbit/s
95th percentile per-packet one-way delay: 66.260 ms
Loss rate: 0.00%
```



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

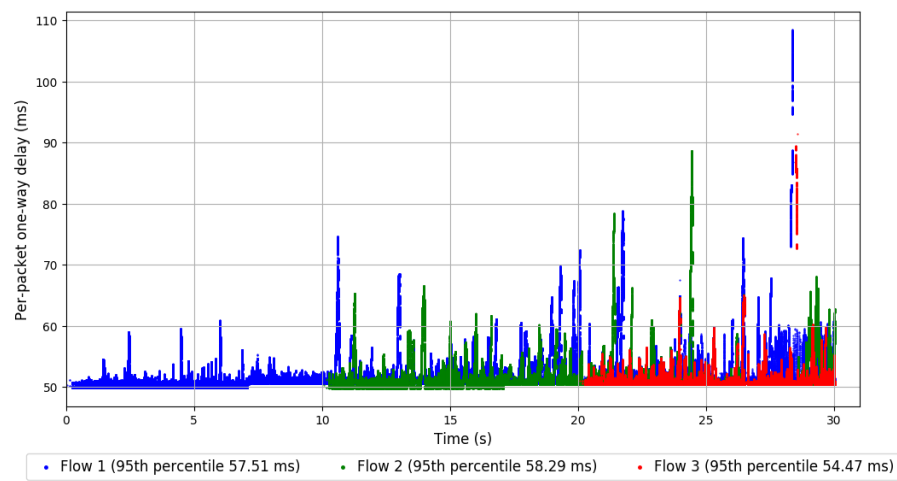
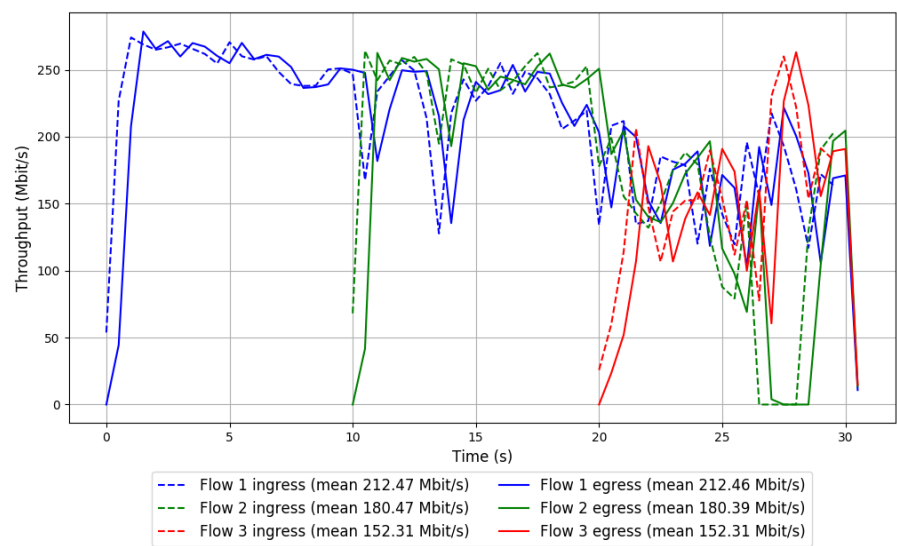


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-12 04:20:17
End at: 2018-07-12 04:20:47
Local clock offset: -0.467 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-12 10:34:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.23 Mbit/s
95th percentile per-packet one-way delay: 57.480 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.46 Mbit/s
95th percentile per-packet one-way delay: 57.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 180.39 Mbit/s
95th percentile per-packet one-way delay: 58.287 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 152.31 Mbit/s
95th percentile per-packet one-way delay: 54.469 ms
Loss rate: 0.00%
```

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

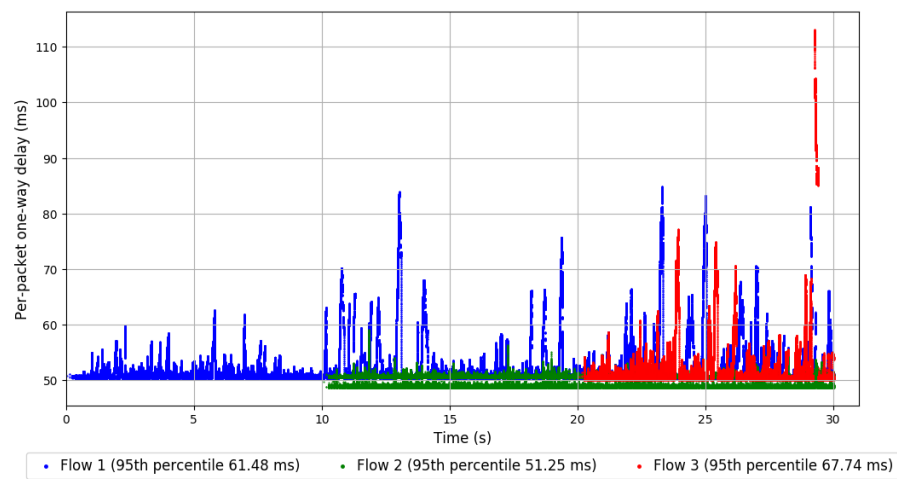
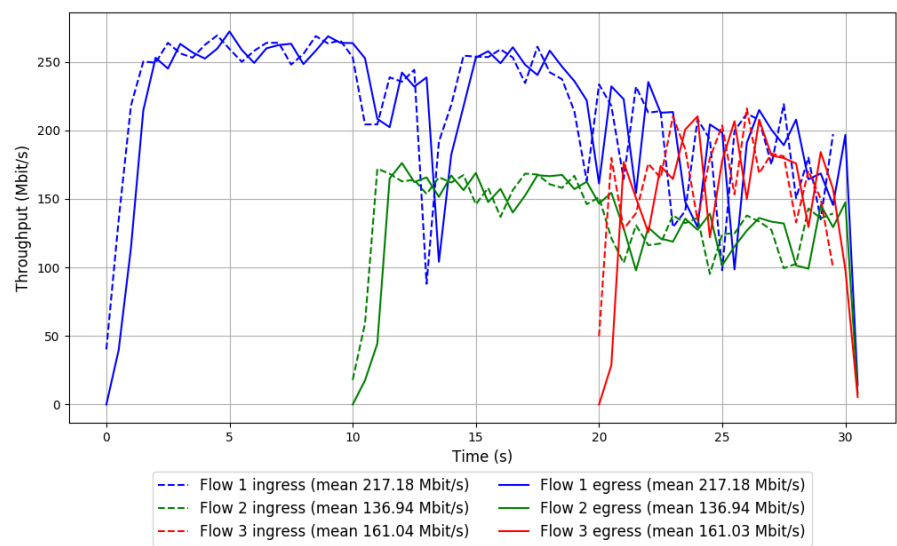


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-12 04:45:32  
End at: 2018-07-12 04:46:02  
Local clock offset: -0.054 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-07-12 10:34:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 361.88 Mbit/s  
95th percentile per-packet one-way delay: 59.984 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 217.18 Mbit/s  
95th percentile per-packet one-way delay: 61.477 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 136.94 Mbit/s  
95th percentile per-packet one-way delay: 51.249 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 161.03 Mbit/s  
95th percentile per-packet one-way delay: 67.738 ms  
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-12 05:11:09

End at: 2018-07-12 05:11:39

Local clock offset: -0.117 ms

Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-07-12 10:34:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 329.00 Mbit/s

95th percentile per-packet one-way delay: 60.976 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.70 Mbit/s

95th percentile per-packet one-way delay: 59.236 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 54.916 ms

Loss rate: 0.00%

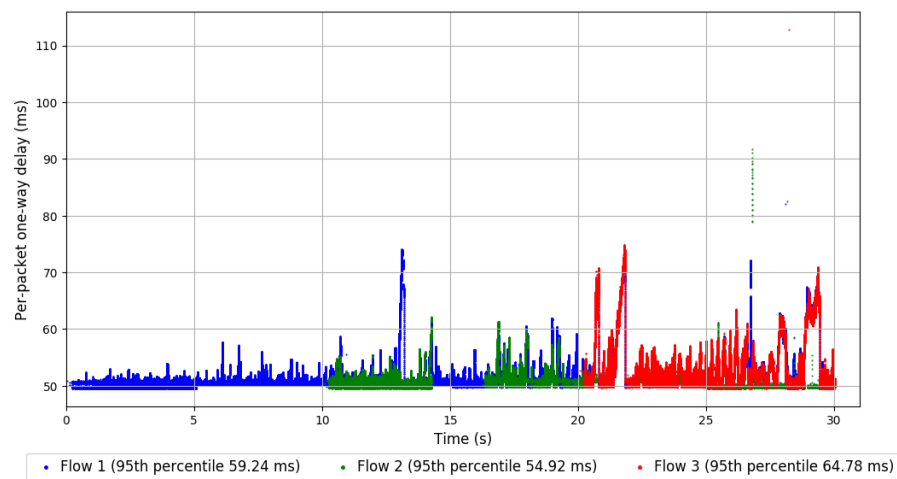
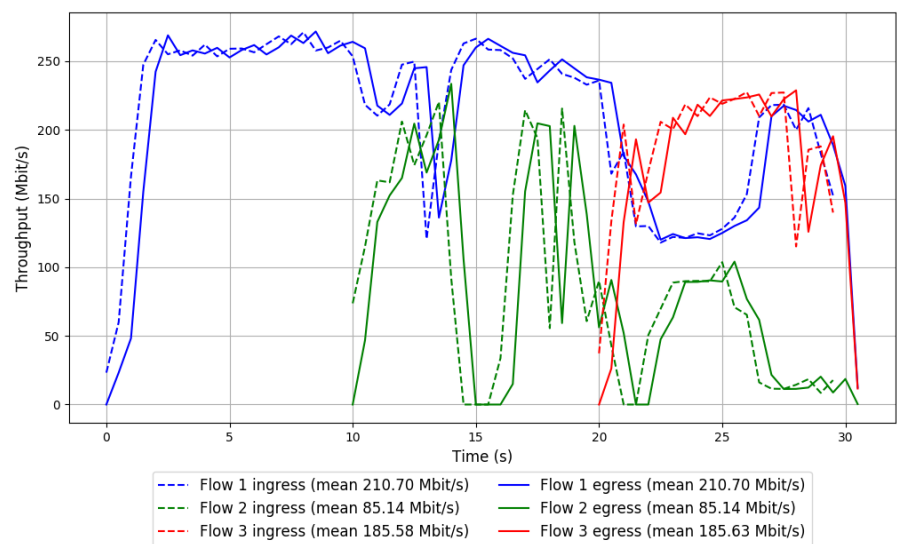
-- Flow 3:

Average throughput: 185.63 Mbit/s

95th percentile per-packet one-way delay: 64.784 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-12 05:36:17

End at: 2018-07-12 05:36:47

Local clock offset: -0.438 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-12 10:34:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 315.75 Mbit/s

95th percentile per-packet one-way delay: 53.984 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 189.64 Mbit/s

95th percentile per-packet one-way delay: 52.217 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.63 Mbit/s

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

Loss rate: 0.63%

-- Flow 3:

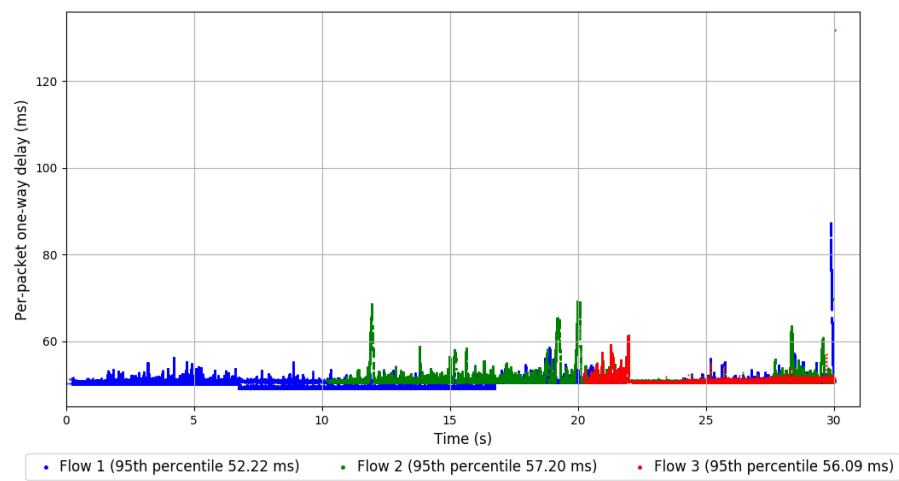
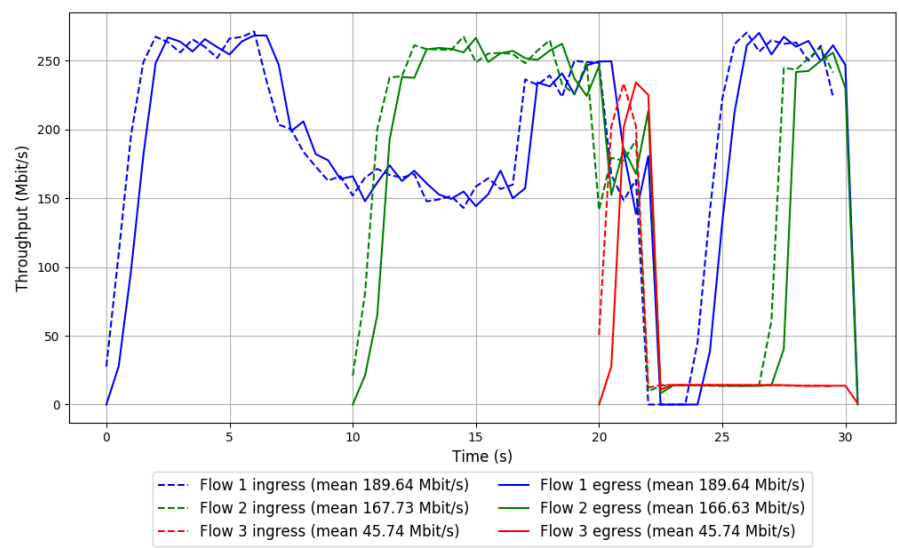
Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 56.091 ms

Loss rate: 0.00%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-12 06:01:05

End at: 2018-07-12 06:01:35

Local clock offset: -0.098 ms

Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-07-12 10:34:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 325.12 Mbit/s

95th percentile per-packet one-way delay: 56.745 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 213.43 Mbit/s

95th percentile per-packet one-way delay: 56.573 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 137.27 Mbit/s

95th percentile per-packet one-way delay: 57.545 ms

Loss rate: 0.00%

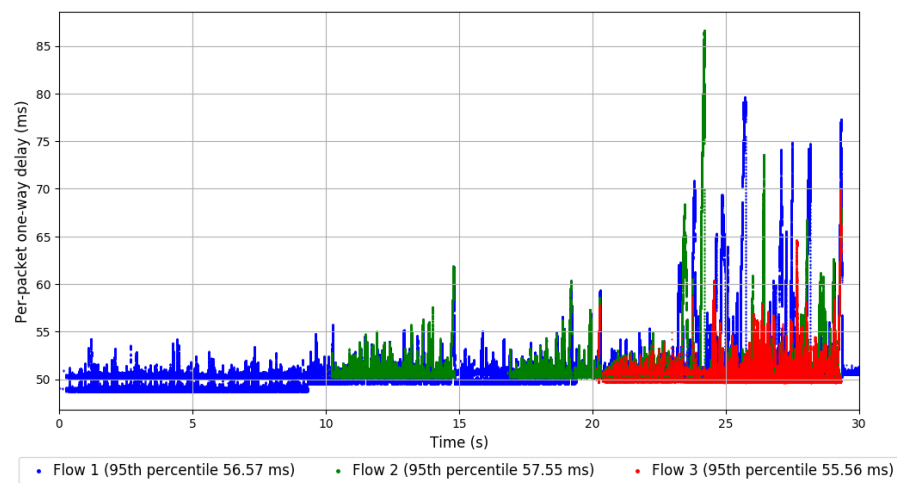
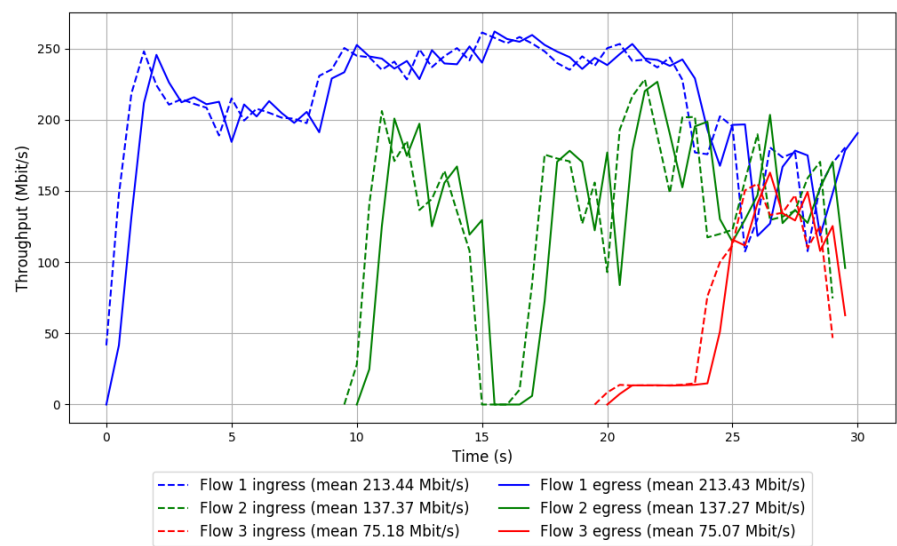
-- Flow 3:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 55.563 ms

Loss rate: 0.00%

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

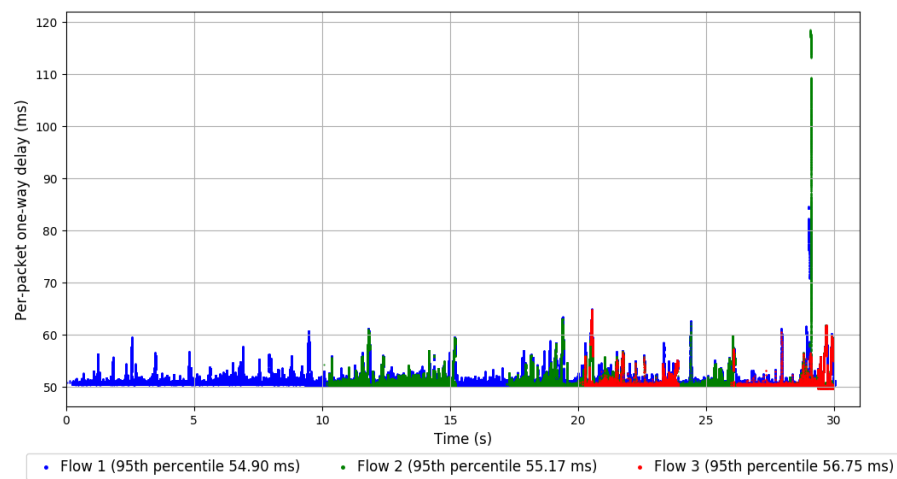
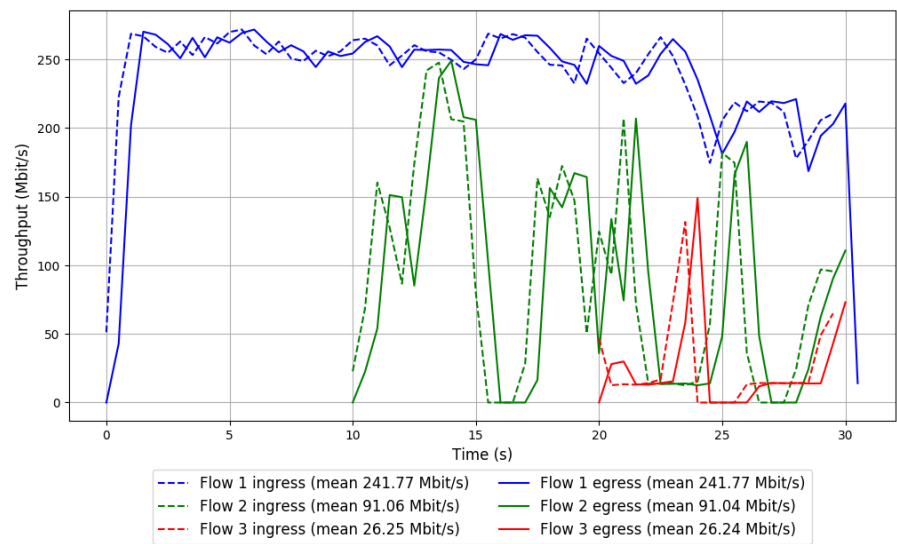


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-12 06:26:15  
End at: 2018-07-12 06:26:45  
Local clock offset: -0.126 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-07-12 10:38:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 310.82 Mbit/s  
95th percentile per-packet one-way delay: 54.995 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 241.77 Mbit/s  
95th percentile per-packet one-way delay: 54.903 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 91.04 Mbit/s  
95th percentile per-packet one-way delay: 55.170 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.24 Mbit/s  
95th percentile per-packet one-way delay: 56.750 ms  
Loss rate: 0.00%

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

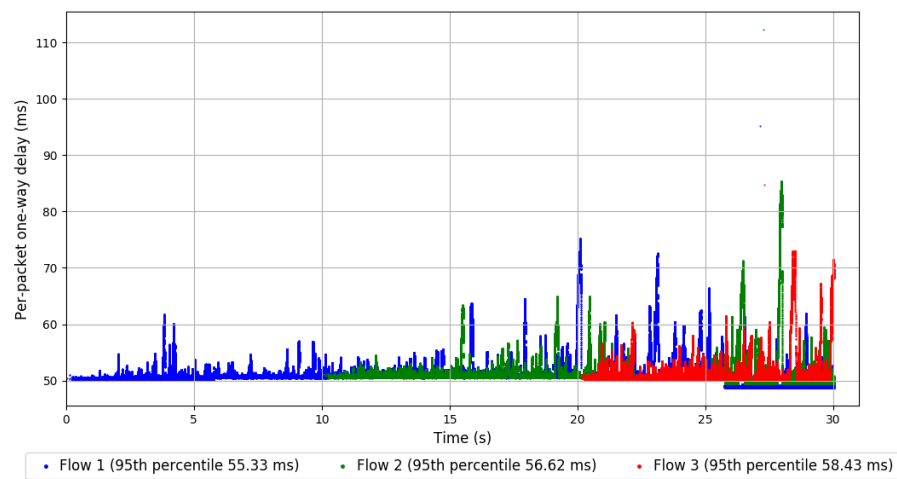
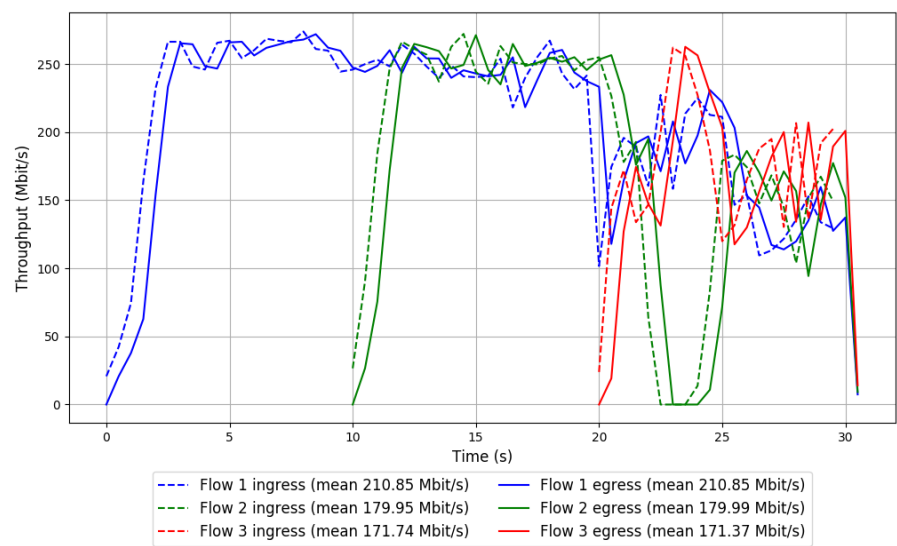


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-12 06:50:58  
End at: 2018-07-12 06:51:28  
Local clock offset: -0.037 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-07-12 10:43:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 387.63 Mbit/s  
95th percentile per-packet one-way delay: 56.127 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 210.85 Mbit/s  
95th percentile per-packet one-way delay: 55.329 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 179.99 Mbit/s  
95th percentile per-packet one-way delay: 56.620 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 171.37 Mbit/s  
95th percentile per-packet one-way delay: 58.427 ms  
Loss rate: 0.22%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-12 07:15:47

End at: 2018-07-12 07:16:17

Local clock offset: -0.038 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-07-12 10:43:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 320.73 Mbit/s

95th percentile per-packet one-way delay: 59.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 214.04 Mbit/s

95th percentile per-packet one-way delay: 57.866 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.42 Mbit/s

95th percentile per-packet one-way delay: 51.118 ms

Loss rate: 0.00%

-- Flow 3:

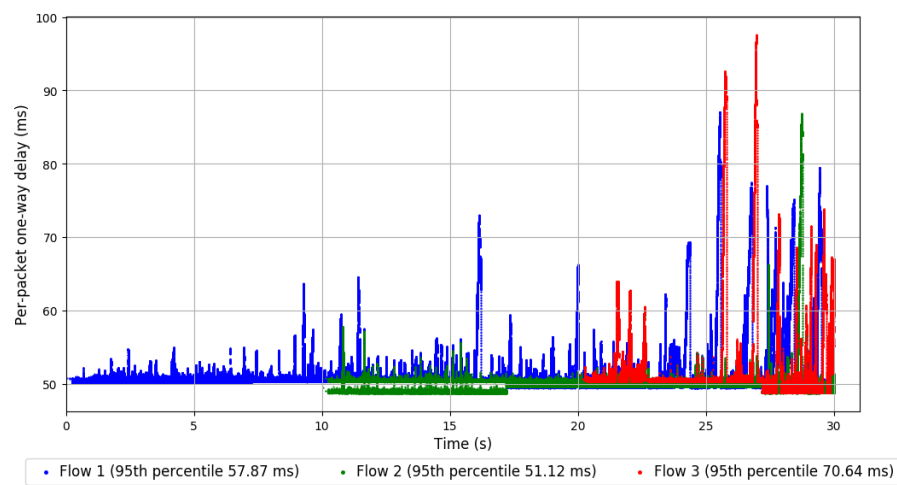
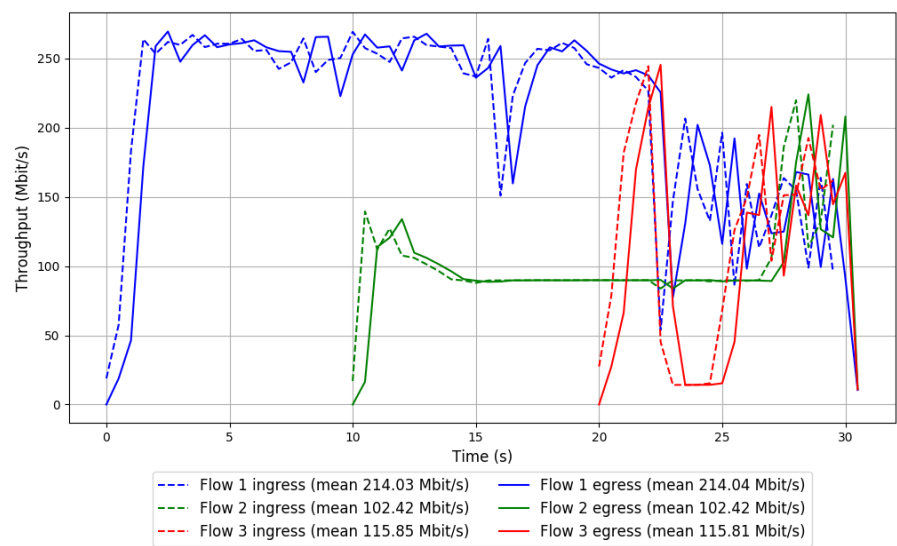
Average throughput: 115.81 Mbit/s

95th percentile per-packet one-way delay: 70.642 ms

Loss rate: 0.00%



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

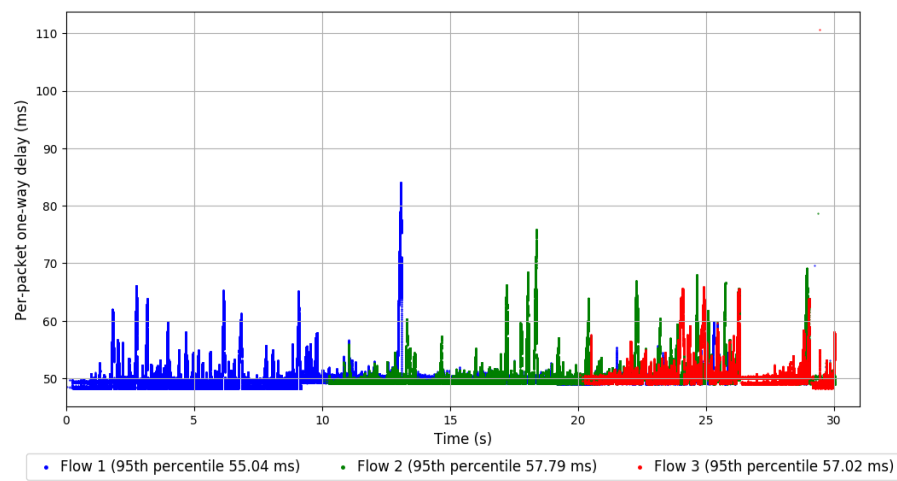
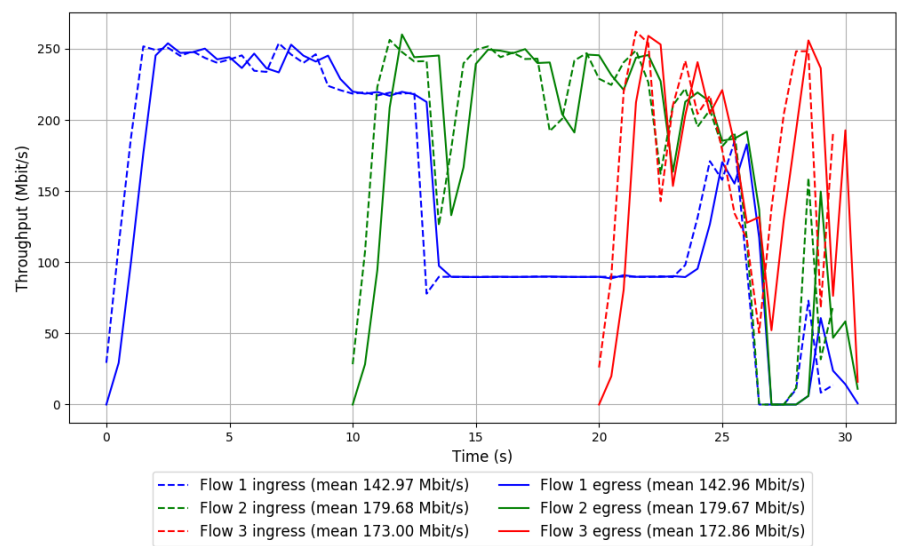


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-12 07:40:55  
End at: 2018-07-12 07:41:25  
Local clock offset: 0.353 ms  
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-07-12 10:43:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 320.02 Mbit/s  
95th percentile per-packet one-way delay: 56.484 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 142.96 Mbit/s  
95th percentile per-packet one-way delay: 55.037 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 179.67 Mbit/s  
95th percentile per-packet one-way delay: 57.788 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 172.86 Mbit/s  
95th percentile per-packet one-way delay: 57.018 ms  
Loss rate: 0.08%

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

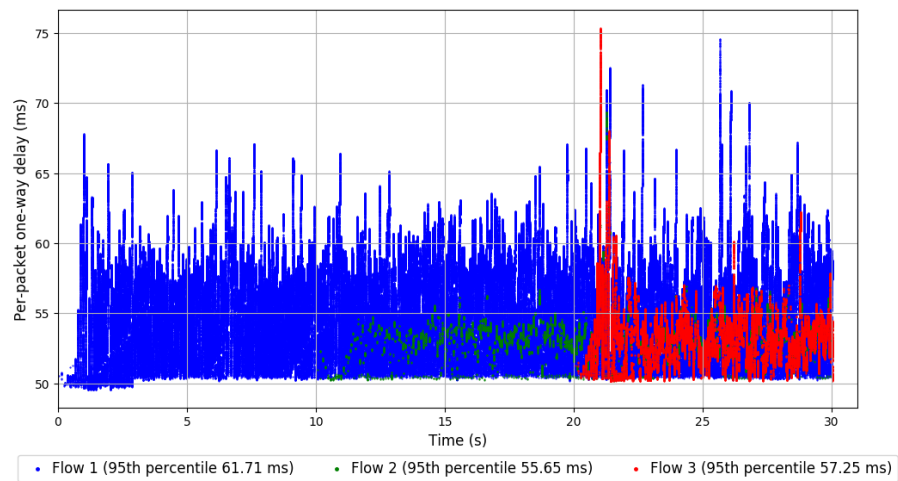
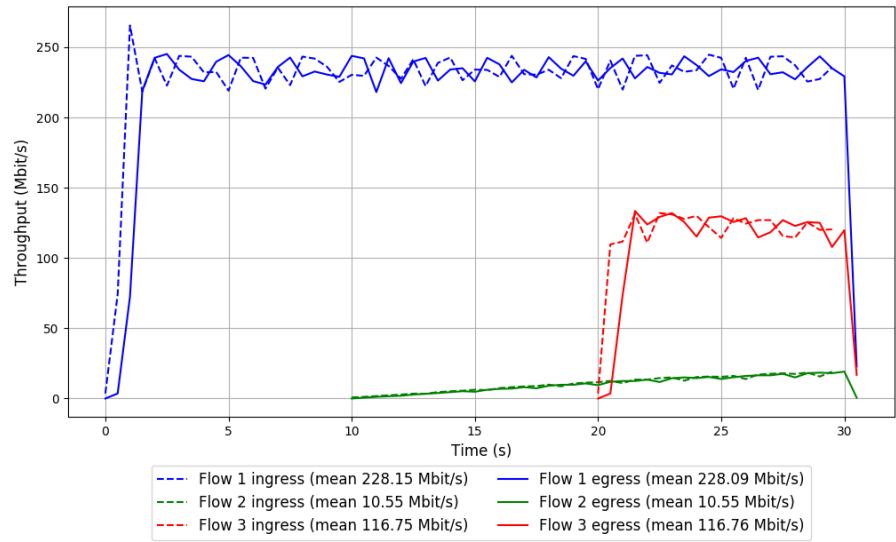


Run 1: Statistics of TCP Vegas

Start at: 2018-07-12 03:53:41  
End at: 2018-07-12 03:54:11  
Local clock offset: -0.14 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-12 10:43:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 273.85 Mbit/s  
95th percentile per-packet one-way delay: 61.457 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 228.09 Mbit/s  
95th percentile per-packet one-way delay: 61.714 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.55 Mbit/s  
95th percentile per-packet one-way delay: 55.654 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 116.76 Mbit/s  
95th percentile per-packet one-way delay: 57.247 ms  
Loss rate: 0.00%

# Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-12 04:18:58

End at: 2018-07-12 04:19:28

Local clock offset: -0.437 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 10:43:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 211.62 Mbit/s

95th percentile per-packet one-way delay: 58.425 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 56.462 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 57.878 ms

Loss rate: 0.00%

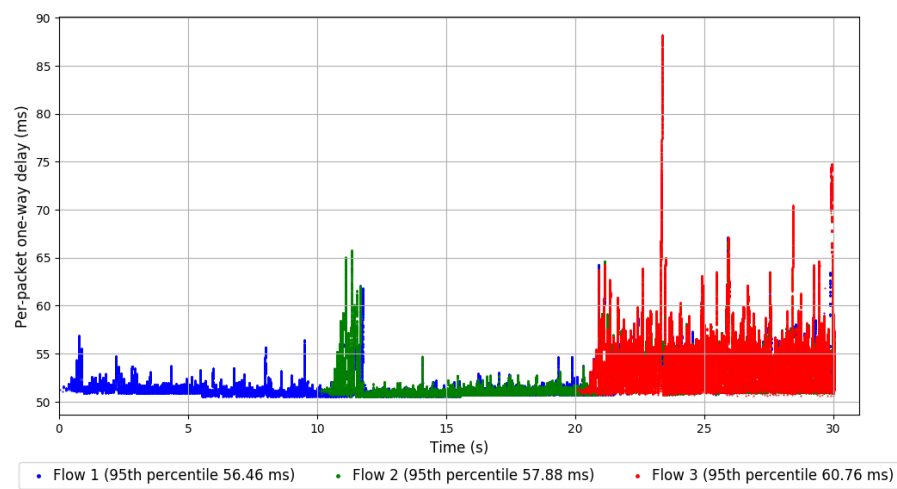
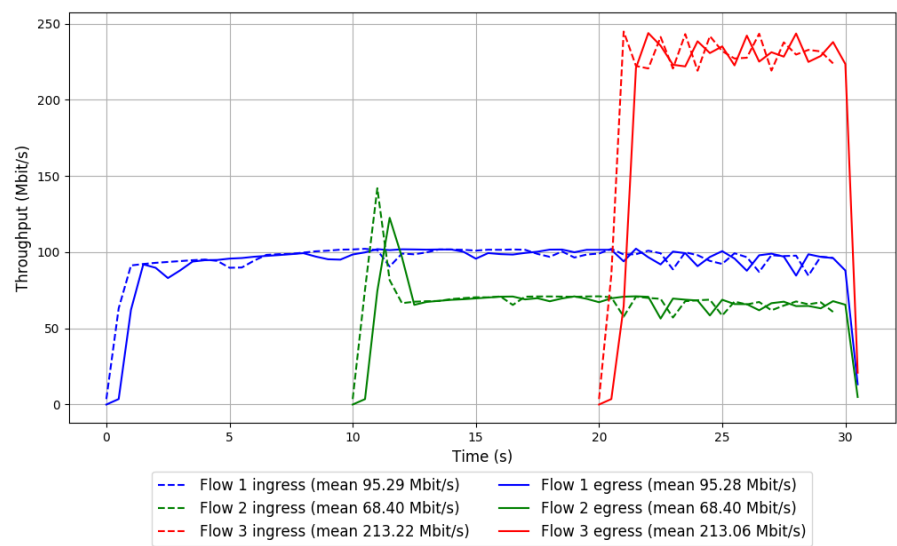
-- Flow 3:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 60.758 ms

Loss rate: 0.03%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-12 04:44:07

End at: 2018-07-12 04:44:37

Local clock offset: -0.097 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-07-12 10:43:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 341.26 Mbit/s

95th percentile per-packet one-way delay: 61.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 226.60 Mbit/s

95th percentile per-packet one-way delay: 62.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.38 Mbit/s

95th percentile per-packet one-way delay: 56.972 ms

Loss rate: 0.00%

-- Flow 3:

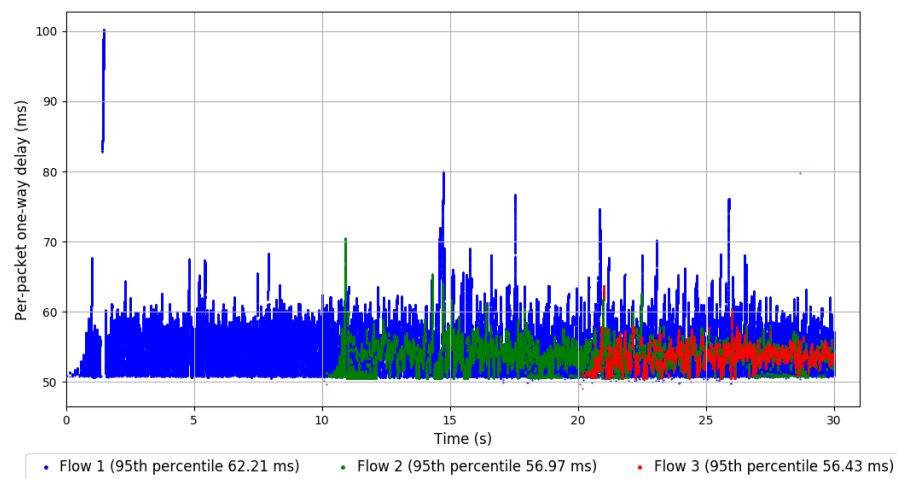
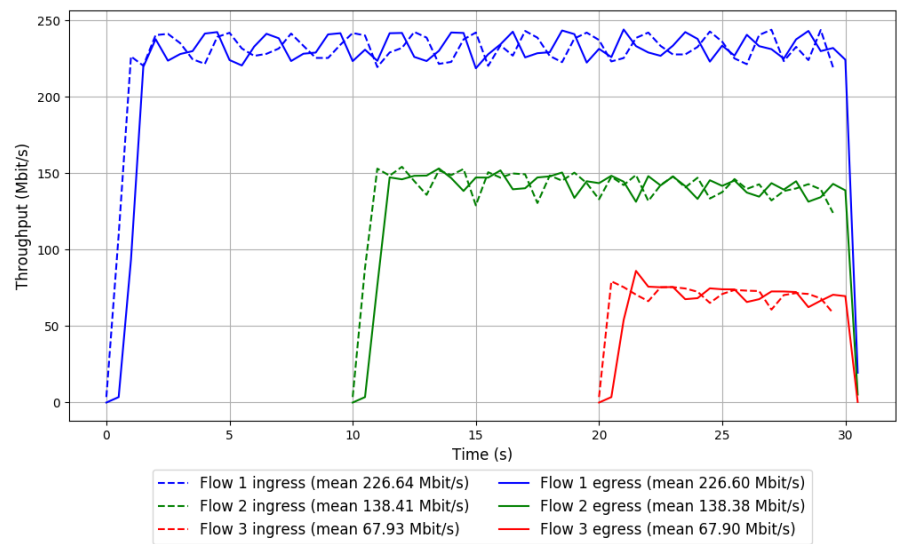
Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 56.426 ms

Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-12 05:09:43

End at: 2018-07-12 05:10:13

Local clock offset: -0.049 ms

Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-07-12 10:43:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 352.82 Mbit/s

95th percentile per-packet one-way delay: 60.839 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 180.81 Mbit/s

95th percentile per-packet one-way delay: 57.319 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 223.98 Mbit/s

95th percentile per-packet one-way delay: 63.079 ms

Loss rate: 0.10%

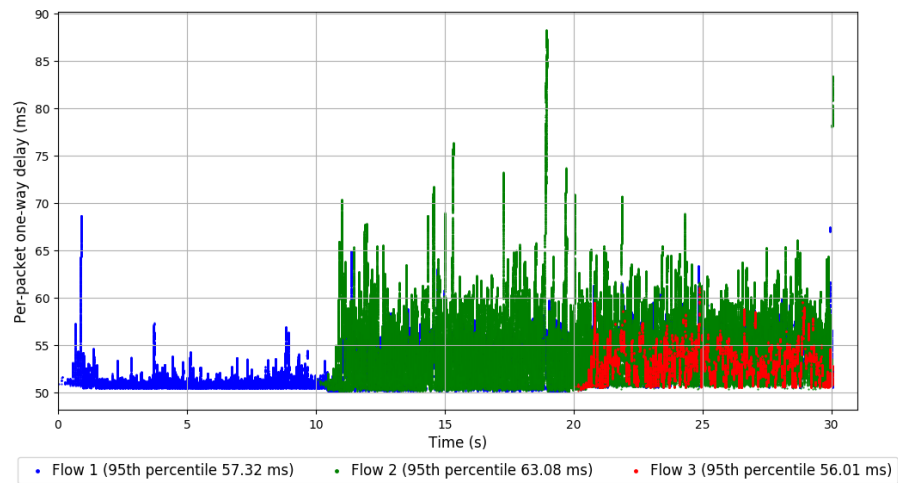
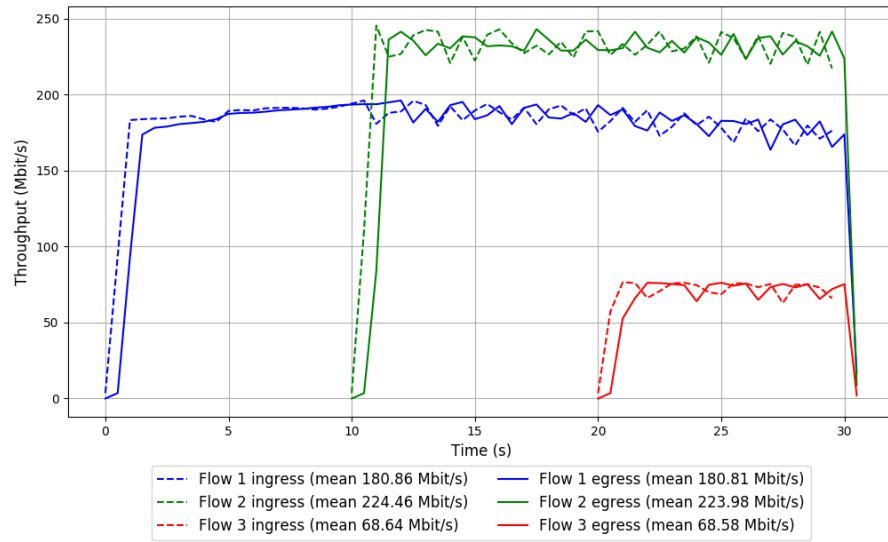
-- Flow 3:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 56.005 ms

Loss rate: 0.09%

# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-12 05:34:56

End at: 2018-07-12 05:35:26

Local clock offset: -0.436 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-12 10:43:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 272.03 Mbit/s

95th percentile per-packet one-way delay: 63.318 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 225.71 Mbit/s

95th percentile per-packet one-way delay: 63.610 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 57.175 ms

Loss rate: 0.00%

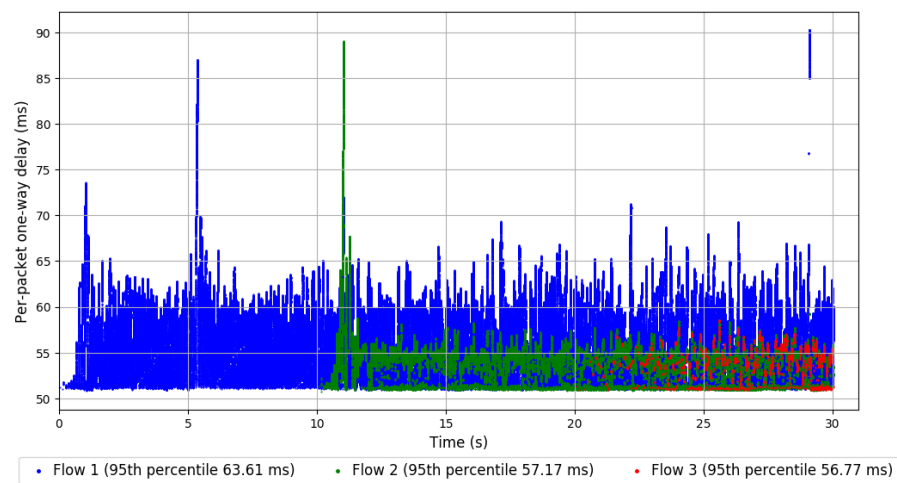
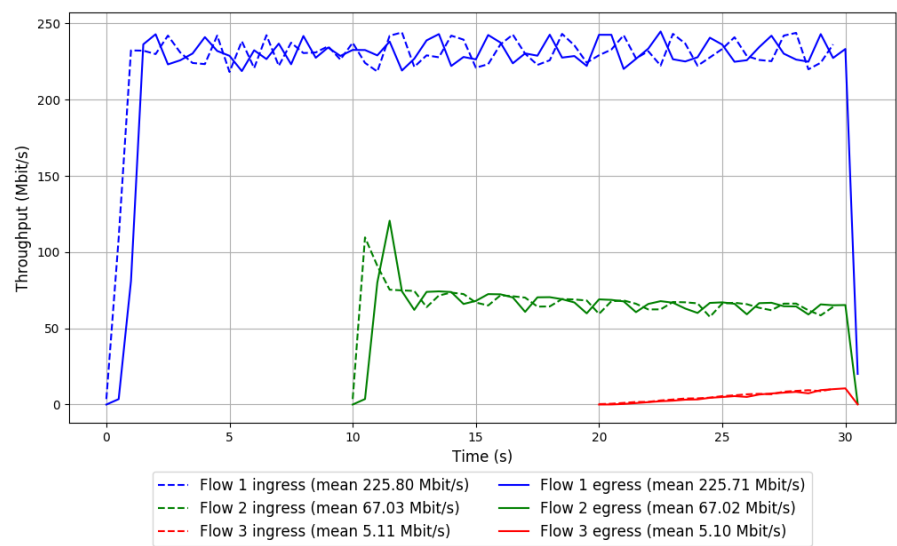
-- Flow 3:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 56.766 ms

Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link

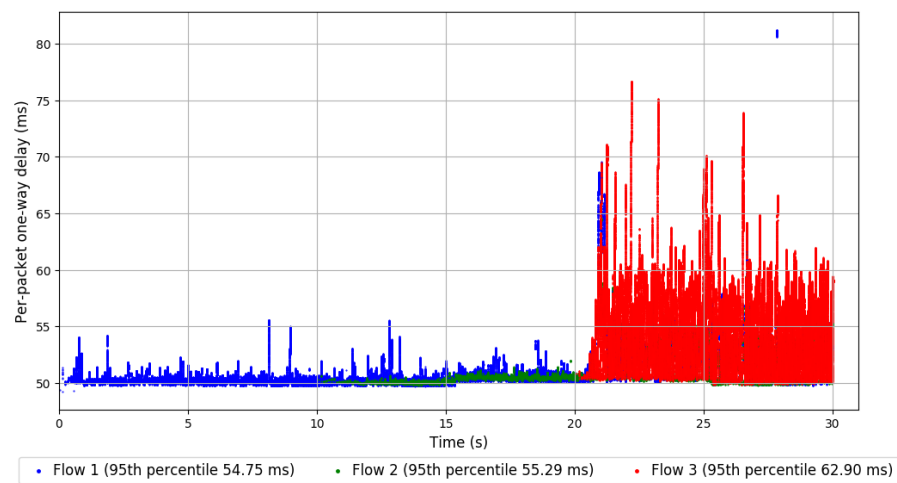
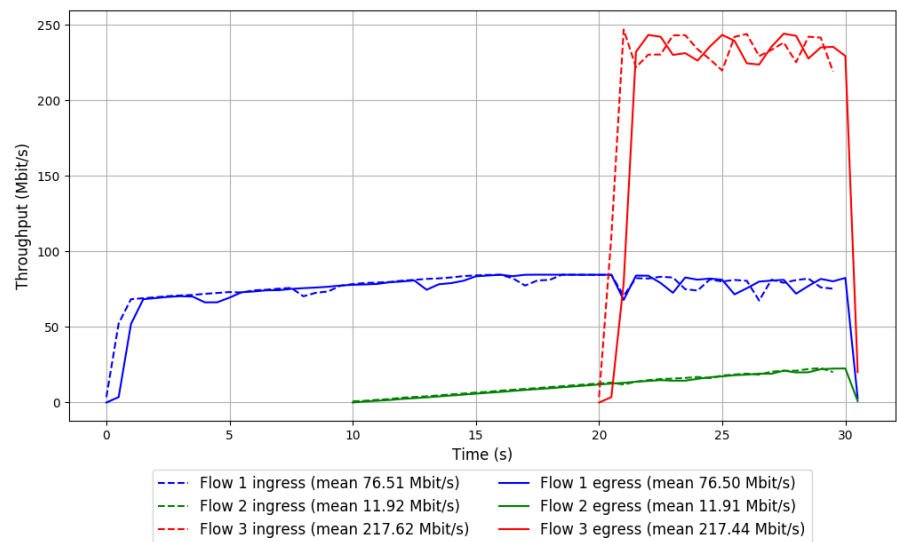


Run 6: Statistics of TCP Vegas

Start at: 2018-07-12 05:59:49  
End at: 2018-07-12 06:00:19  
Local clock offset: 0.278 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-07-12 10:43:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 156.61 Mbit/s  
95th percentile per-packet one-way delay: 60.393 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 76.50 Mbit/s  
95th percentile per-packet one-way delay: 54.753 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 11.91 Mbit/s  
95th percentile per-packet one-way delay: 55.294 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 217.44 Mbit/s  
95th percentile per-packet one-way delay: 62.896 ms  
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



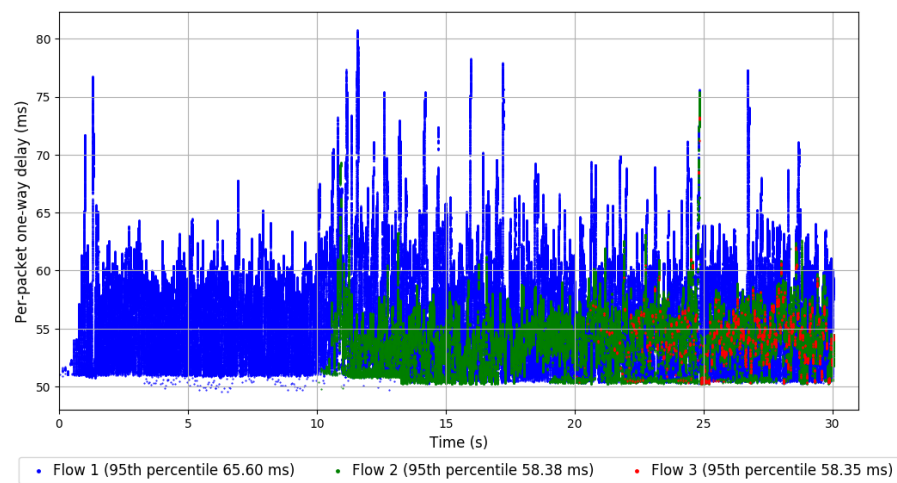
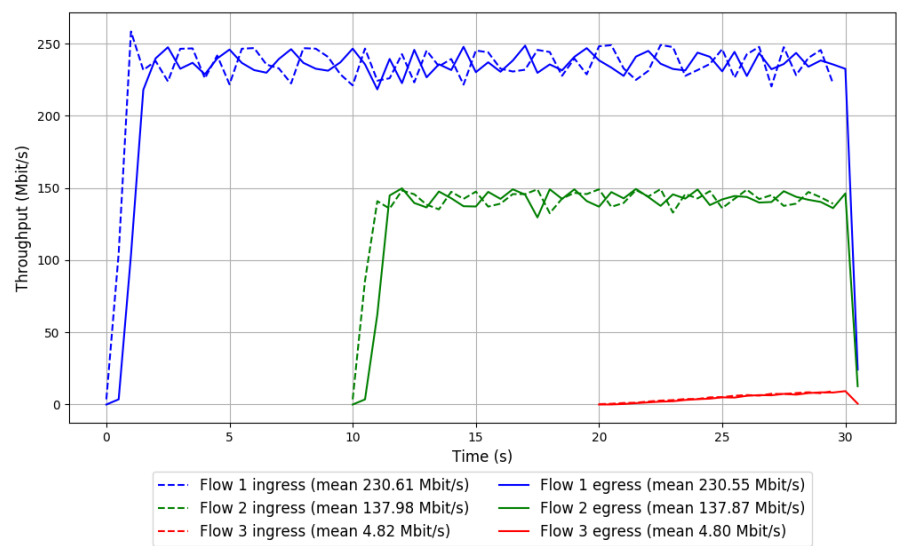
Run 7: Statistics of TCP Vegas

Start at: 2018-07-12 06:24:51  
End at: 2018-07-12 06:25:21  
Local clock offset: -0.1 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-07-12 10:44:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 323.99 Mbit/s  
95th percentile per-packet one-way delay: 64.399 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 230.55 Mbit/s  
95th percentile per-packet one-way delay: 65.598 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 137.87 Mbit/s  
95th percentile per-packet one-way delay: 58.384 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 4.80 Mbit/s  
95th percentile per-packet one-way delay: 58.347 ms  
Loss rate: 0.25%



Run 7: Report of TCP Vegas — Data Link

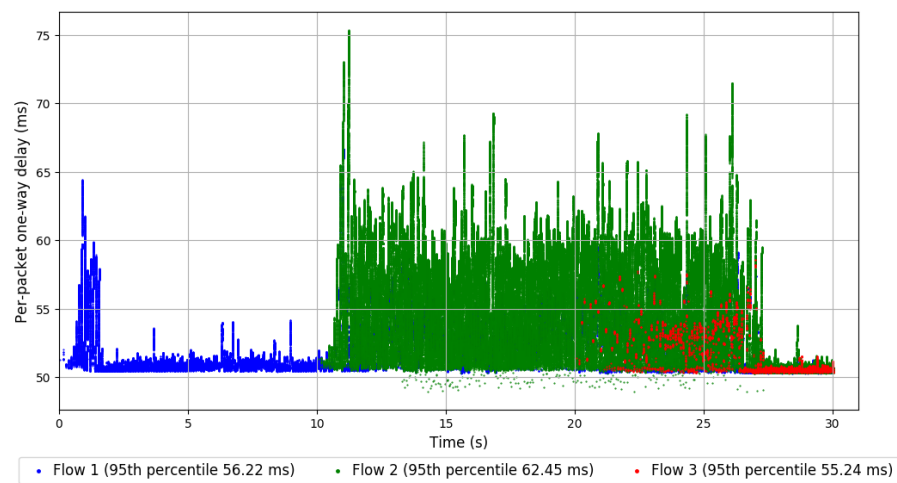
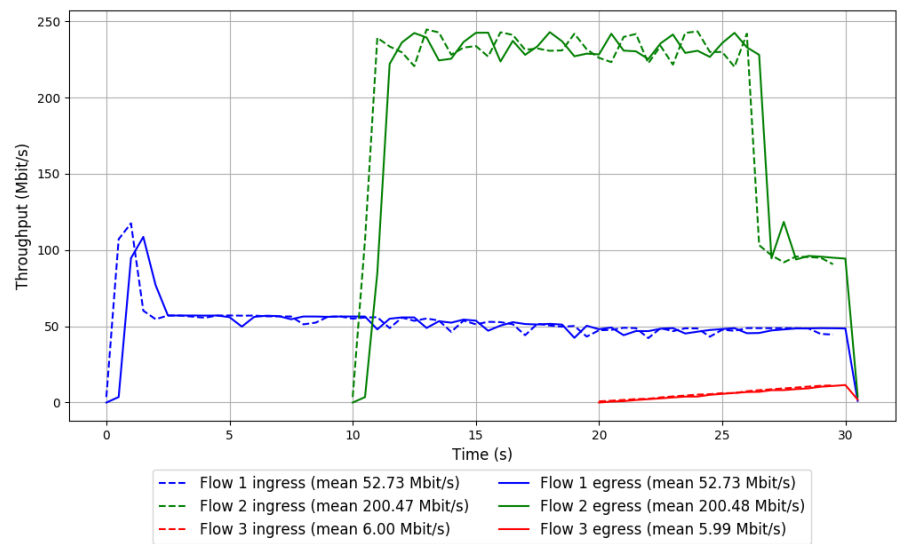


Run 8: Statistics of TCP Vegas

Start at: 2018-07-12 06:49:41  
End at: 2018-07-12 06:50:11  
Local clock offset: -0.13 ms  
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-07-12 10:44:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 188.25 Mbit/s  
95th percentile per-packet one-way delay: 61.689 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 52.73 Mbit/s  
95th percentile per-packet one-way delay: 56.217 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 200.48 Mbit/s  
95th percentile per-packet one-way delay: 62.453 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.99 Mbit/s  
95th percentile per-packet one-way delay: 55.245 ms  
Loss rate: 0.12%

Run 8: Report of TCP Vegas — Data Link

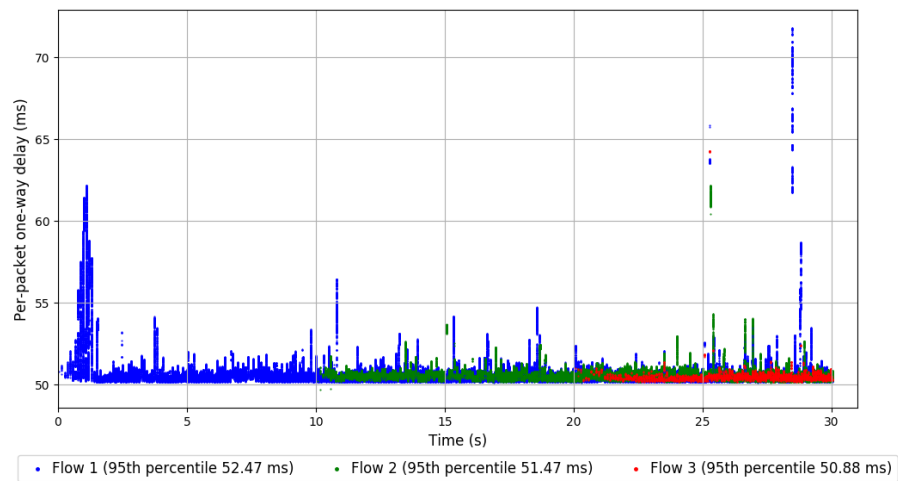
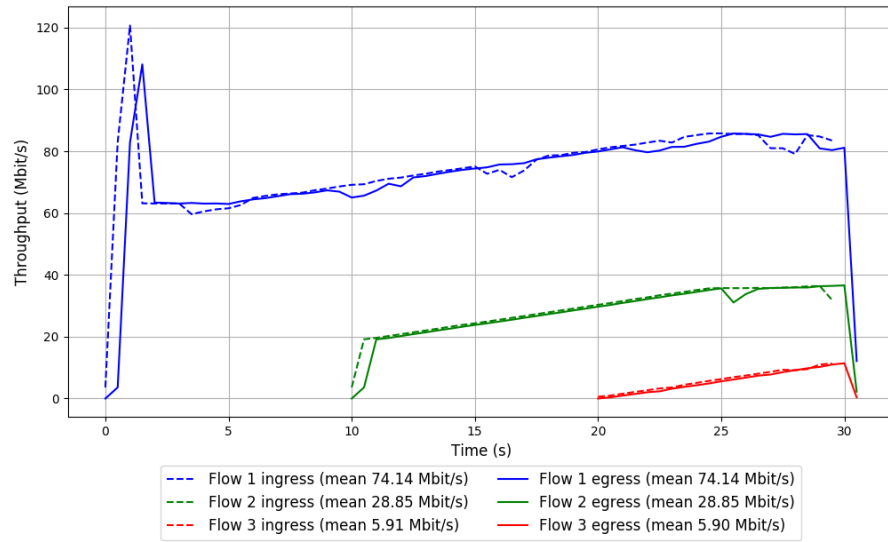


Run 9: Statistics of TCP Vegas

Start at: 2018-07-12 07:14:34  
End at: 2018-07-12 07:15:04  
Local clock offset: -0.066 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-07-12 10:44:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 52.129 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 74.14 Mbit/s  
95th percentile per-packet one-way delay: 52.465 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.85 Mbit/s  
95th percentile per-packet one-way delay: 51.472 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 5.90 Mbit/s  
95th percentile per-packet one-way delay: 50.880 ms  
Loss rate: 0.16%

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

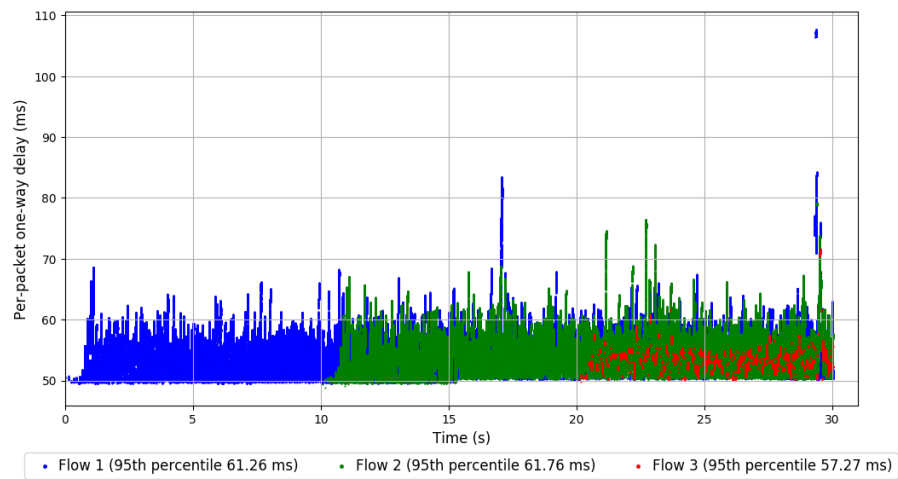
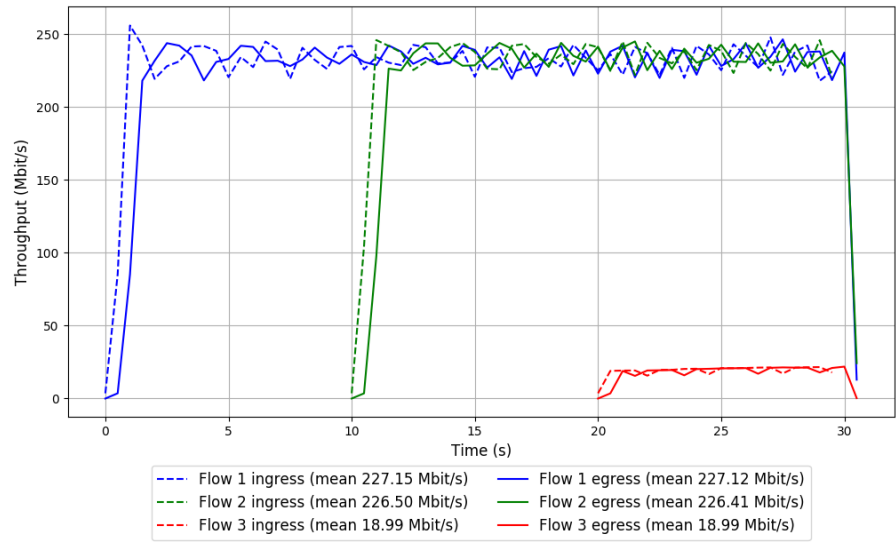


Run 10: Statistics of TCP Vegas

Start at: 2018-07-12 07:39:29  
End at: 2018-07-12 07:39:59  
Local clock offset: -0.027 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-07-12 10:47:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 384.18 Mbit/s  
95th percentile per-packet one-way delay: 61.466 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 227.12 Mbit/s  
95th percentile per-packet one-way delay: 61.255 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 226.41 Mbit/s  
95th percentile per-packet one-way delay: 61.764 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.99 Mbit/s  
95th percentile per-packet one-way delay: 57.267 ms  
Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-12 04:11:23

End at: 2018-07-12 04:11:53

Local clock offset: -0.474 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 10:48:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 375.05 Mbit/s

95th percentile per-packet one-way delay: 115.256 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 199.26 Mbit/s

95th percentile per-packet one-way delay: 109.939 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 198.19 Mbit/s

95th percentile per-packet one-way delay: 116.890 ms

Loss rate: 0.14%

-- Flow 3:

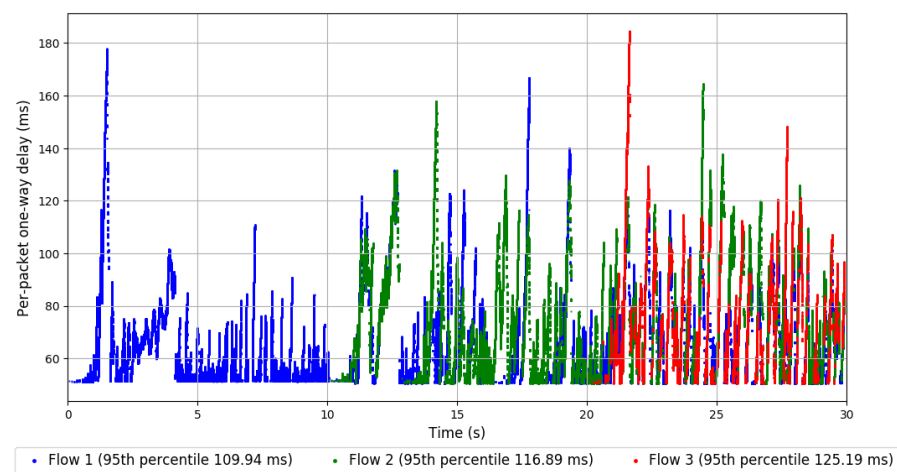
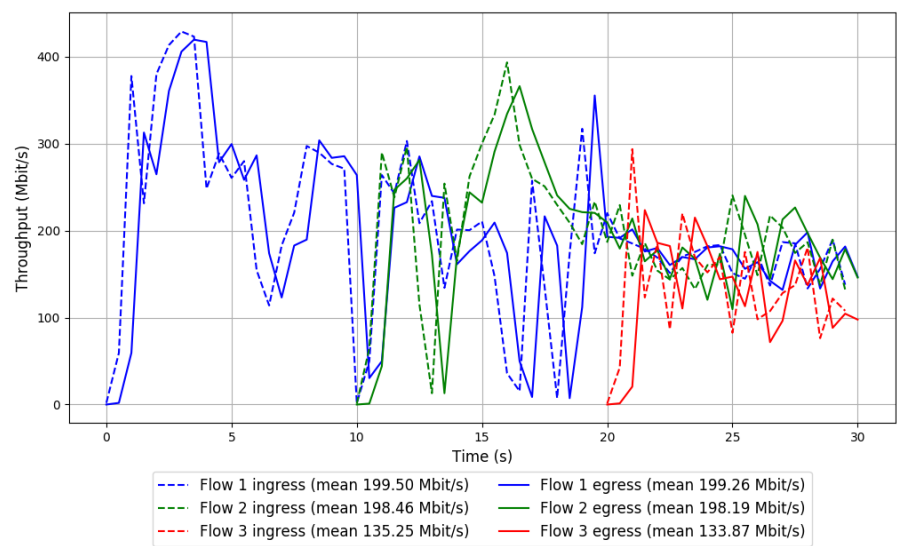
Average throughput: 133.87 Mbit/s

95th percentile per-packet one-way delay: 125.191 ms

Loss rate: 1.04%



Run 1: Report of Verus — Data Link

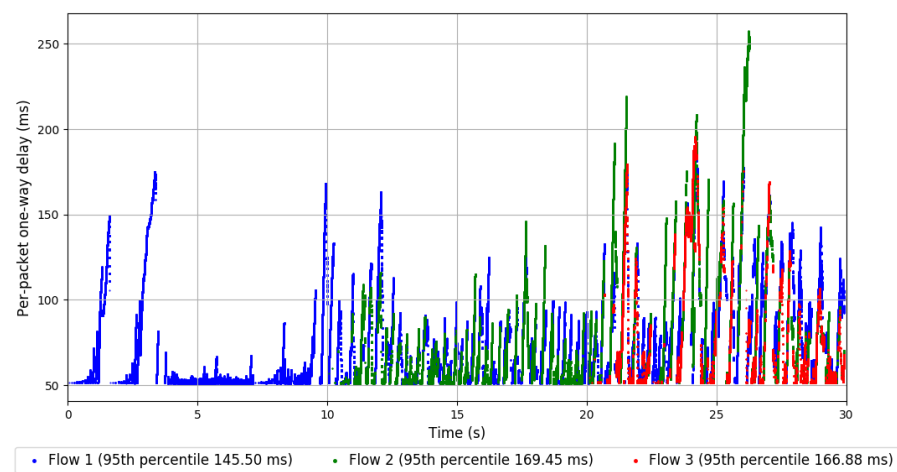
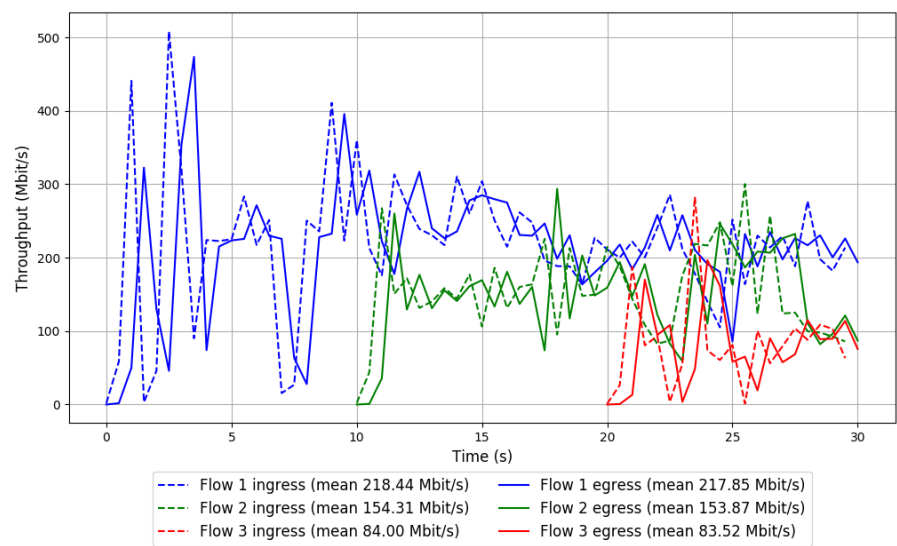


Run 2: Statistics of Verus

Start at: 2018-07-12 04:36:34  
End at: 2018-07-12 04:37:04  
Local clock offset: -0.452 ms  
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-12 10:48:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 347.50 Mbit/s  
95th percentile per-packet one-way delay: 151.526 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 217.85 Mbit/s  
95th percentile per-packet one-way delay: 145.496 ms  
Loss rate: 0.21%  
-- Flow 2:  
Average throughput: 153.87 Mbit/s  
95th percentile per-packet one-way delay: 169.450 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 83.52 Mbit/s  
95th percentile per-packet one-way delay: 166.885 ms  
Loss rate: 0.64%

Run 2: Report of Verus — Data Link

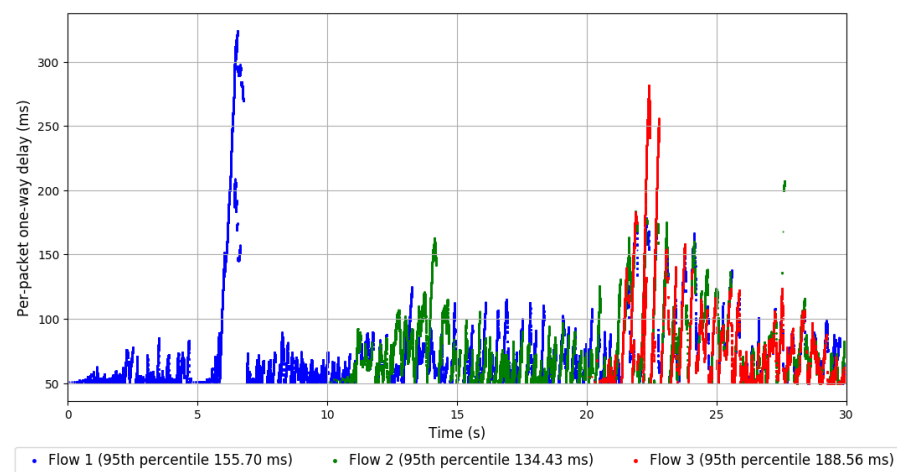
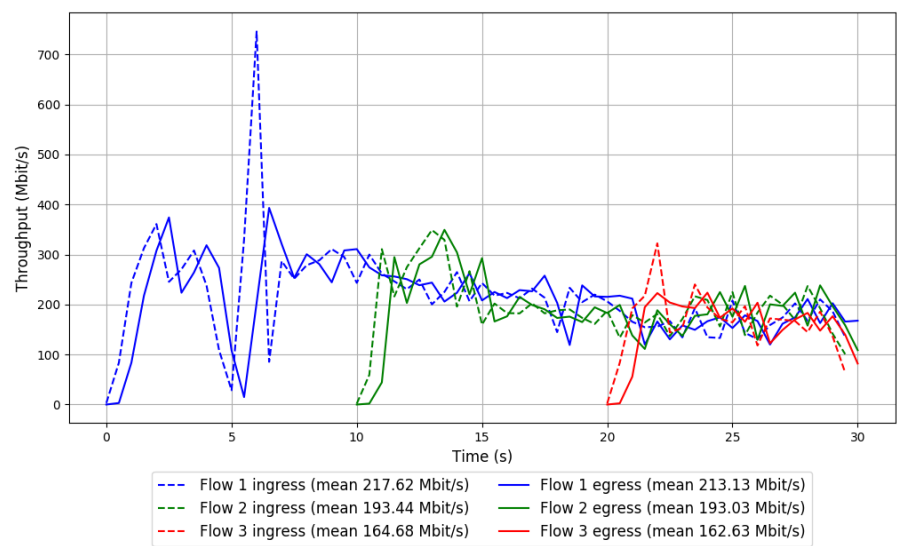


Run 3: Statistics of Verus

Start at: 2018-07-12 05:01:56  
End at: 2018-07-12 05:02:26  
Local clock offset: -0.466 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-07-12 10:49:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 395.05 Mbit/s  
95th percentile per-packet one-way delay: 151.158 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 213.13 Mbit/s  
95th percentile per-packet one-way delay: 155.701 ms  
Loss rate: 2.06%  
-- Flow 2:  
Average throughput: 193.03 Mbit/s  
95th percentile per-packet one-way delay: 134.425 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 162.63 Mbit/s  
95th percentile per-packet one-way delay: 188.562 ms  
Loss rate: 1.29%

Run 3: Report of Verus — Data Link

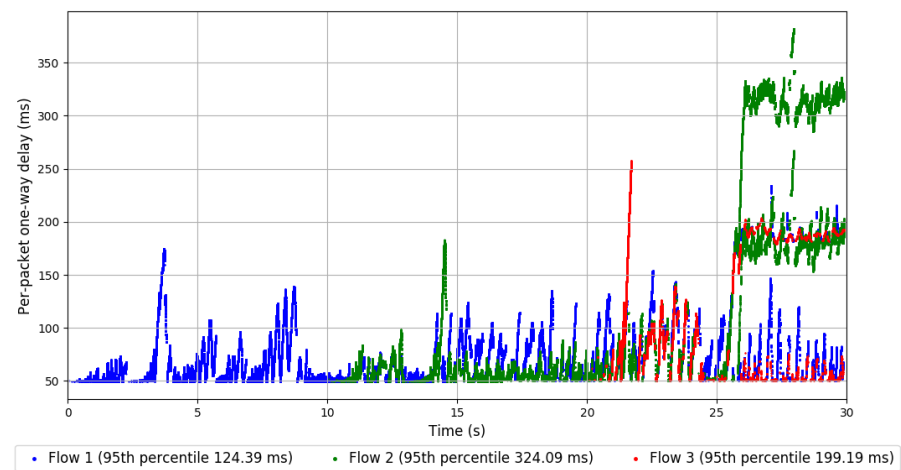
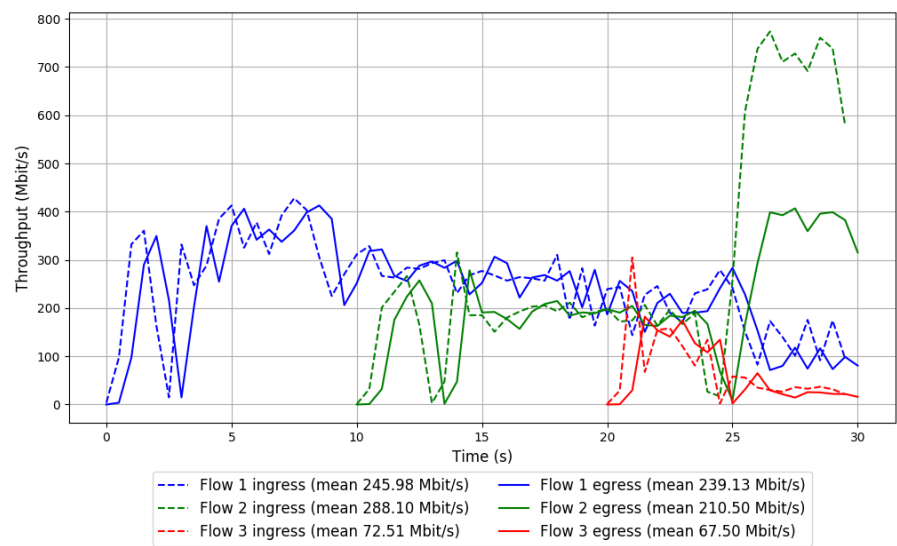


Run 4: Statistics of Verus

Start at: 2018-07-12 05:27:17  
End at: 2018-07-12 05:27:47  
Local clock offset: 0.252 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-12 10:49:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 401.23 Mbit/s  
95th percentile per-packet one-way delay: 312.962 ms  
Loss rate: 12.93%  
-- Flow 1:  
Average throughput: 239.13 Mbit/s  
95th percentile per-packet one-way delay: 124.386 ms  
Loss rate: 2.61%  
-- Flow 2:  
Average throughput: 210.50 Mbit/s  
95th percentile per-packet one-way delay: 324.088 ms  
Loss rate: 26.94%  
-- Flow 3:  
Average throughput: 67.50 Mbit/s  
95th percentile per-packet one-way delay: 199.191 ms  
Loss rate: 6.50%

Run 4: Report of Verus — Data Link



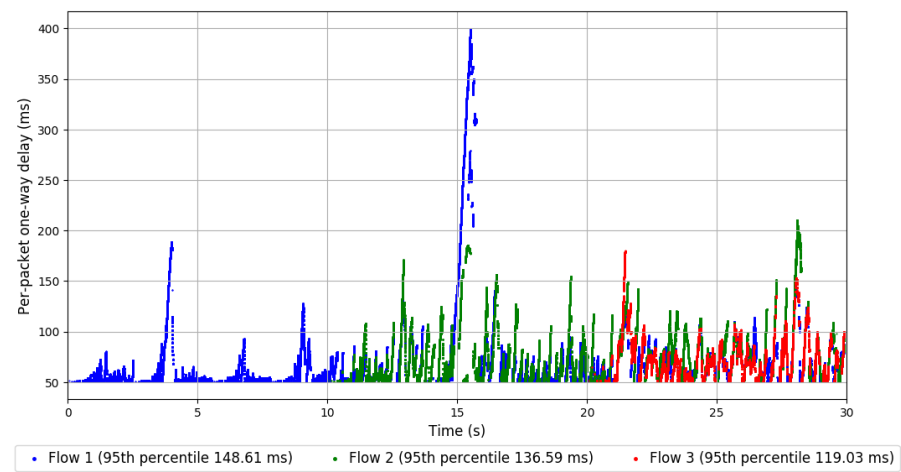
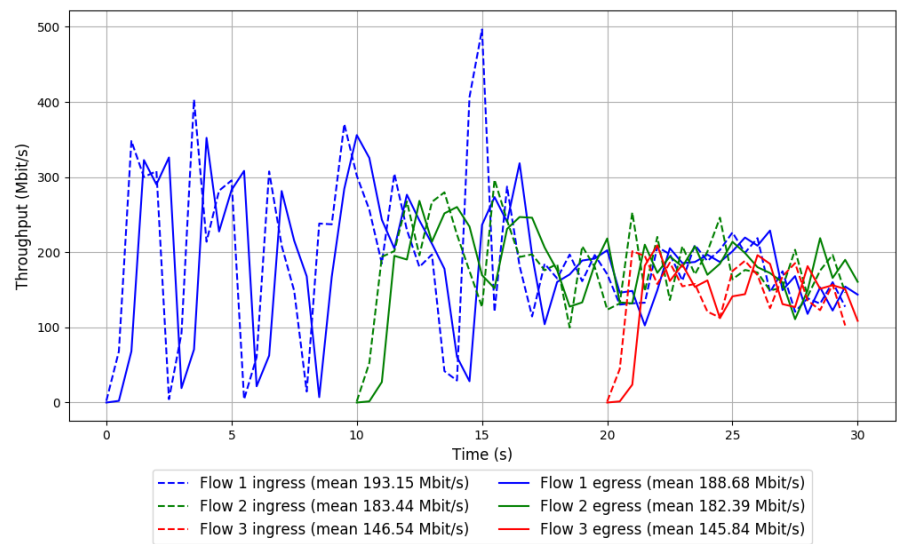
Run 5: Statistics of Verus

Start at: 2018-07-12 05:52:34  
End at: 2018-07-12 05:53:04  
Local clock offset: -0.441 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-07-12 10:49:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 357.89 Mbit/s  
95th percentile per-packet one-way delay: 136.895 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 188.68 Mbit/s  
95th percentile per-packet one-way delay: 148.612 ms  
Loss rate: 2.25%  
-- Flow 2:  
Average throughput: 182.39 Mbit/s  
95th percentile per-packet one-way delay: 136.591 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 145.84 Mbit/s  
95th percentile per-packet one-way delay: 119.032 ms  
Loss rate: 0.00%



Run 5: Report of Verus — Data Link

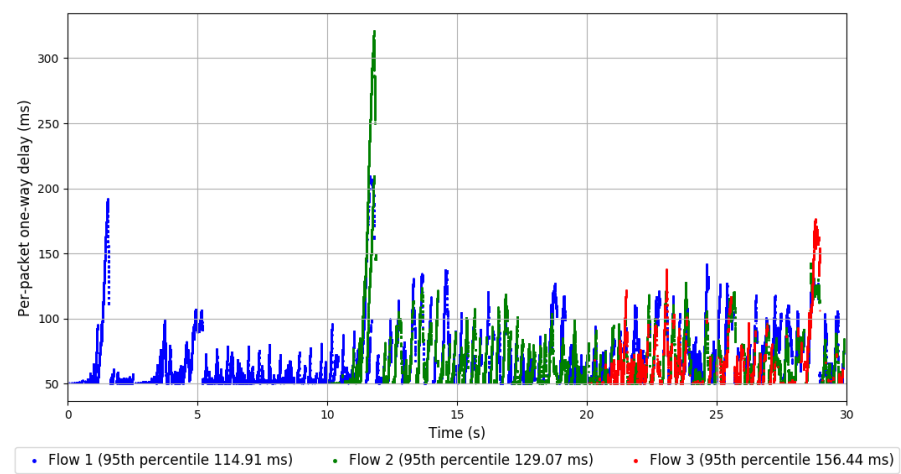
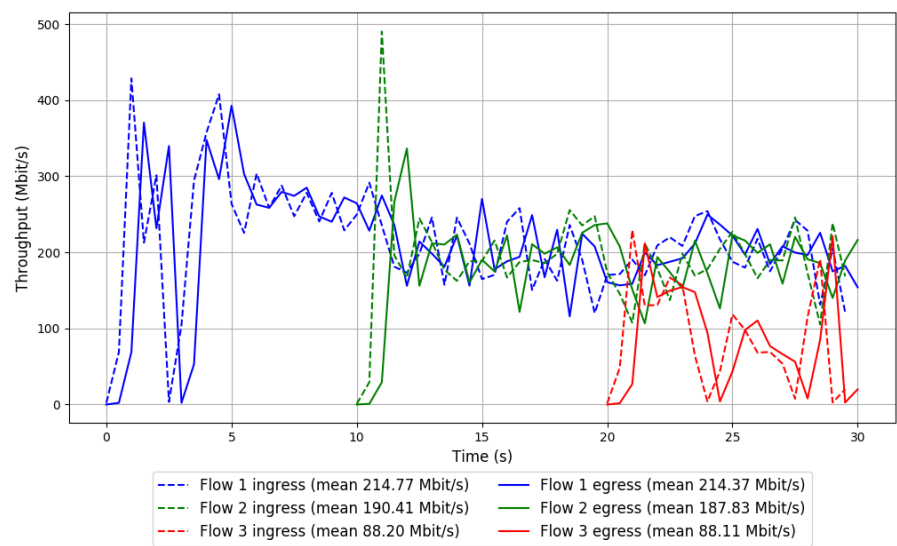


Run 6: Statistics of Verus

Start at: 2018-07-12 06:17:17  
End at: 2018-07-12 06:17:47  
Local clock offset: -0.101 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-07-12 10:49:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 368.05 Mbit/s  
95th percentile per-packet one-way delay: 120.779 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 214.37 Mbit/s  
95th percentile per-packet one-way delay: 114.906 ms  
Loss rate: 0.19%  
-- Flow 2:  
Average throughput: 187.83 Mbit/s  
95th percentile per-packet one-way delay: 129.073 ms  
Loss rate: 1.21%  
-- Flow 3:  
Average throughput: 88.11 Mbit/s  
95th percentile per-packet one-way delay: 156.438 ms  
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

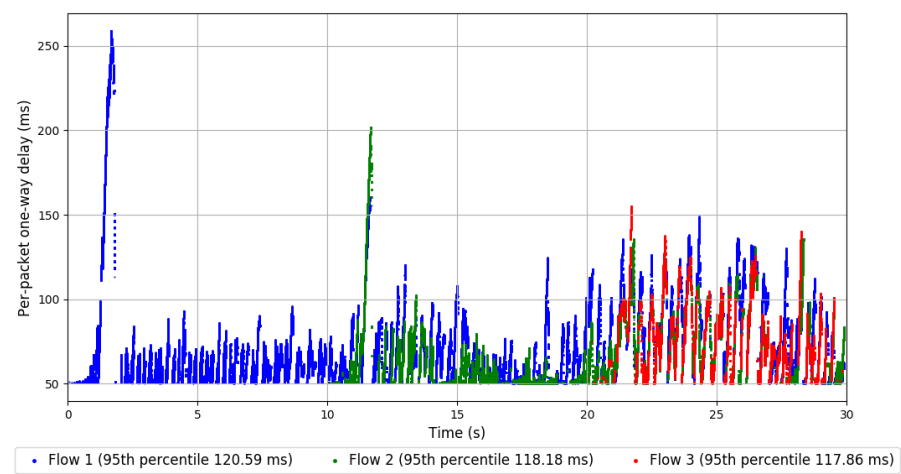
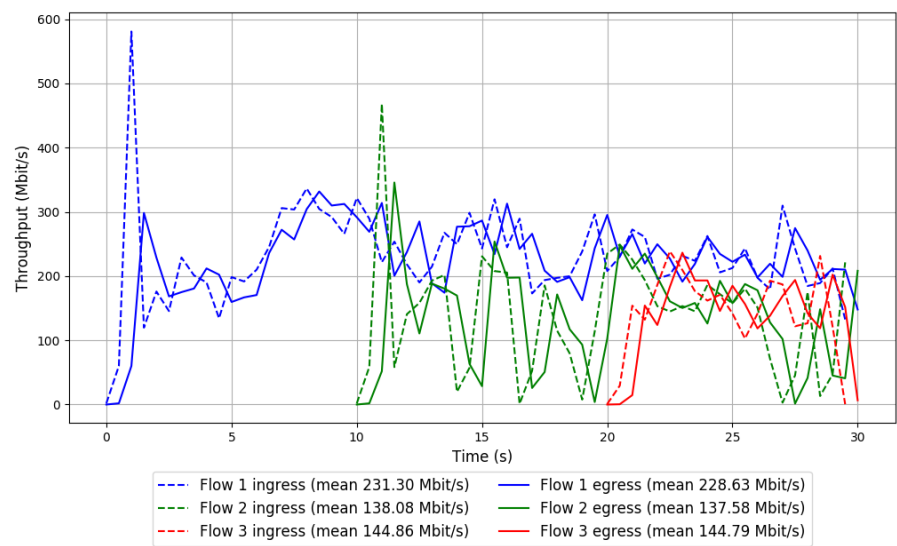


Run 7: Statistics of Verus

Start at: 2018-07-12 06:42:16  
End at: 2018-07-12 06:42:46  
Local clock offset: -0.065 ms  
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-07-12 10:50:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 367.46 Mbit/s  
95th percentile per-packet one-way delay: 119.546 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 228.63 Mbit/s  
95th percentile per-packet one-way delay: 120.590 ms  
Loss rate: 1.15%  
-- Flow 2:  
Average throughput: 137.58 Mbit/s  
95th percentile per-packet one-way delay: 118.181 ms  
Loss rate: 0.37%  
-- Flow 3:  
Average throughput: 144.79 Mbit/s  
95th percentile per-packet one-way delay: 117.856 ms  
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-12 07:07:02

End at: 2018-07-12 07:07:32

Local clock offset: 0.283 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 10:52:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 313.64 Mbit/s

95th percentile per-packet one-way delay: 151.583 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 167.65 Mbit/s

95th percentile per-packet one-way delay: 130.600 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 161.32 Mbit/s

95th percentile per-packet one-way delay: 203.040 ms

Loss rate: 1.04%

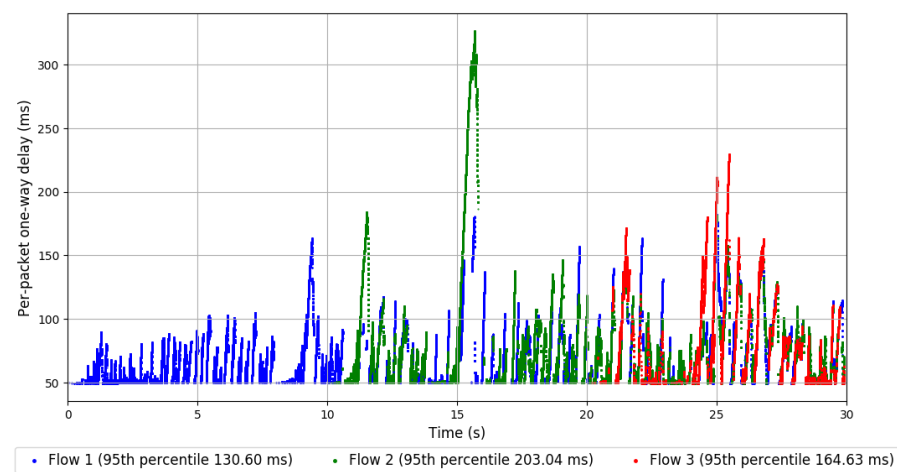
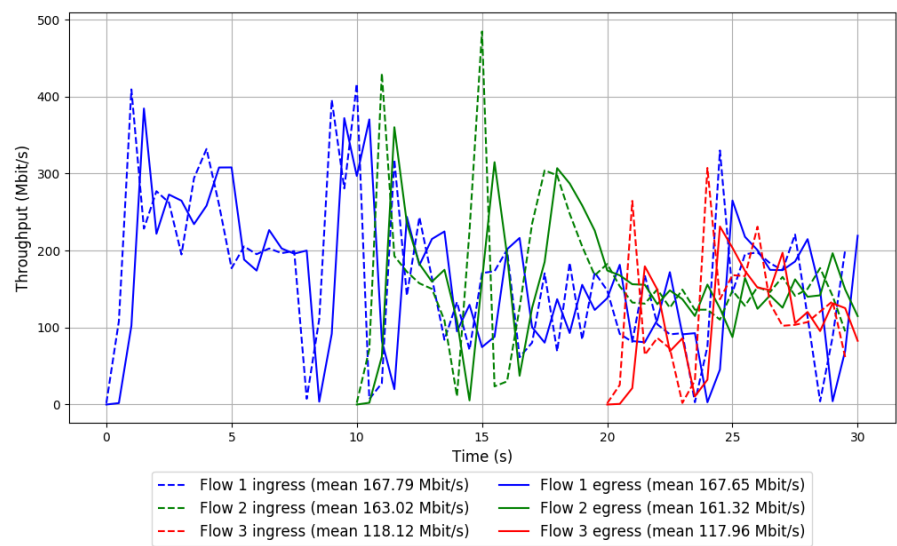
-- Flow 3:

Average throughput: 117.96 Mbit/s

95th percentile per-packet one-way delay: 164.628 ms

Loss rate: 0.15%

Run 8: Report of Verus — Data Link



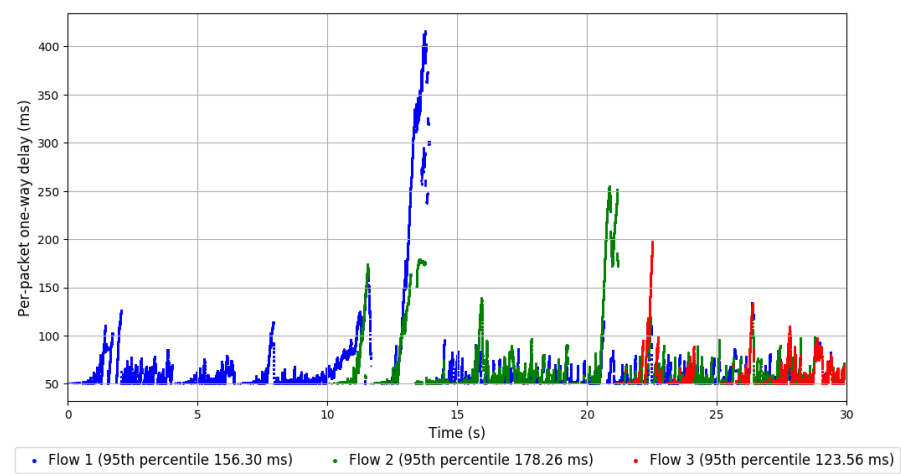
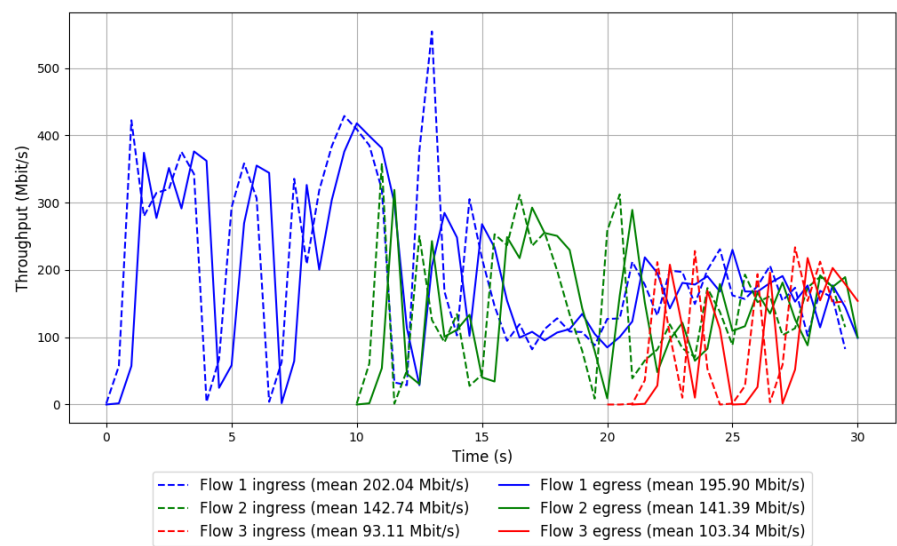
Run 9: Statistics of Verus

Start at: 2018-07-12 07:32:00  
End at: 2018-07-12 07:32:30  
Local clock offset: -0.054 ms  
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-12 10:52:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 320.48 Mbit/s  
95th percentile per-packet one-way delay: 167.869 ms  
Loss rate: 2.17%  
-- Flow 1:  
Average throughput: 195.90 Mbit/s  
95th percentile per-packet one-way delay: 156.297 ms  
Loss rate: 3.05%  
-- Flow 2:  
Average throughput: 141.39 Mbit/s  
95th percentile per-packet one-way delay: 178.260 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 103.34 Mbit/s  
95th percentile per-packet one-way delay: 123.556 ms  
Loss rate: 0.26%



Run 9: Report of Verus — Data Link

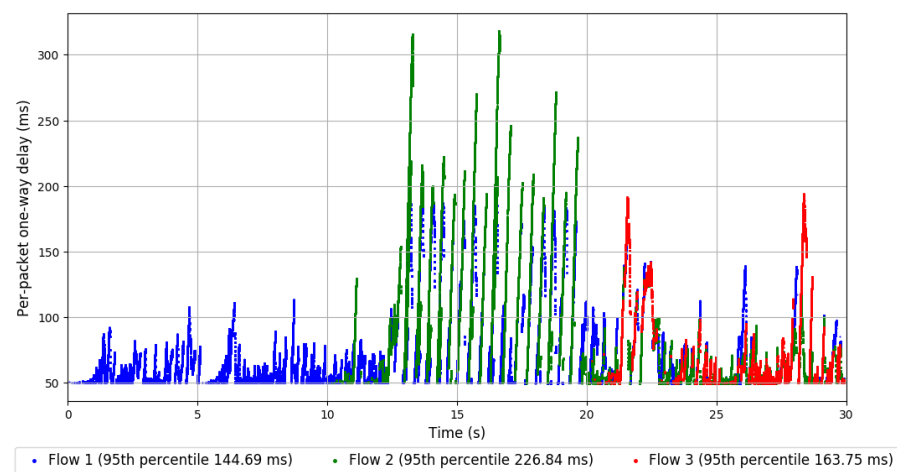
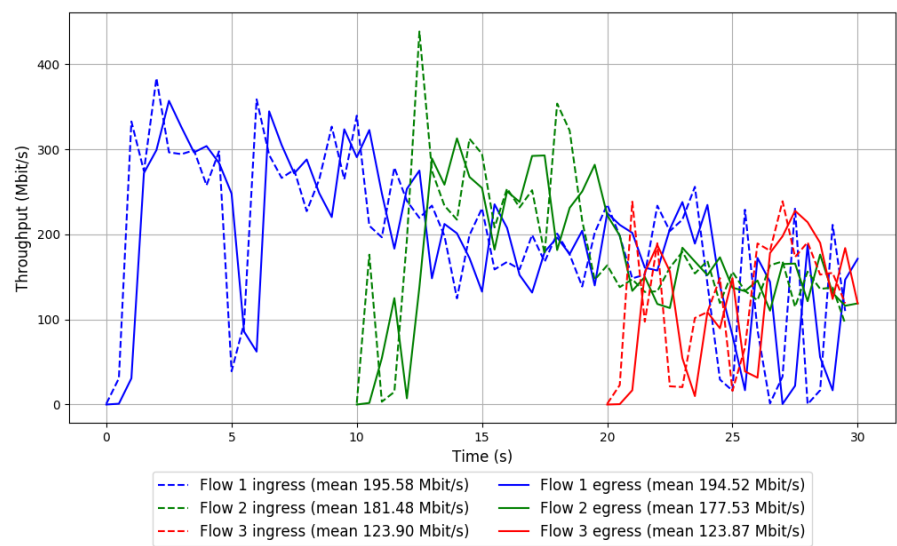


Run 10: Statistics of Verus

Start at: 2018-07-12 07:56:57  
End at: 2018-07-12 07:57:27  
Local clock offset: 0.32 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-07-12 10:53:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 353.32 Mbit/s  
95th percentile per-packet one-way delay: 187.000 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 194.52 Mbit/s  
95th percentile per-packet one-way delay: 144.689 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 177.53 Mbit/s  
95th percentile per-packet one-way delay: 226.835 ms  
Loss rate: 2.17%  
-- Flow 3:  
Average throughput: 123.87 Mbit/s  
95th percentile per-packet one-way delay: 163.748 ms  
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

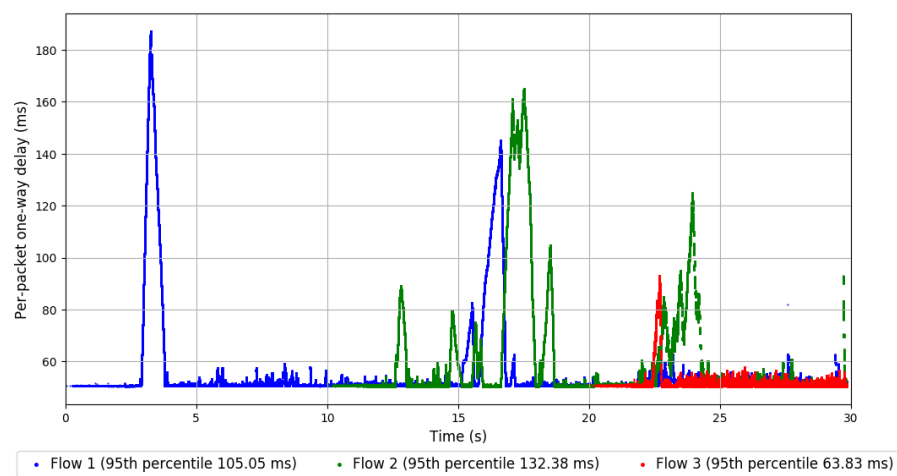
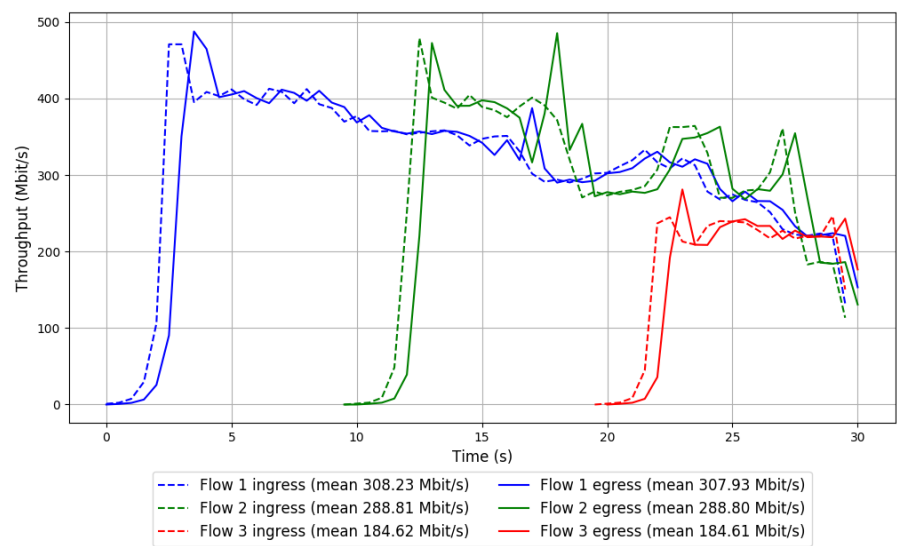


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-12 04:04:54  
End at: 2018-07-12 04:05:24  
Local clock offset: -0.47 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-07-12 10:58:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 561.48 Mbit/s  
95th percentile per-packet one-way delay: 109.107 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 307.93 Mbit/s  
95th percentile per-packet one-way delay: 105.049 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 288.80 Mbit/s  
95th percentile per-packet one-way delay: 132.385 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 184.61 Mbit/s  
95th percentile per-packet one-way delay: 63.826 ms  
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

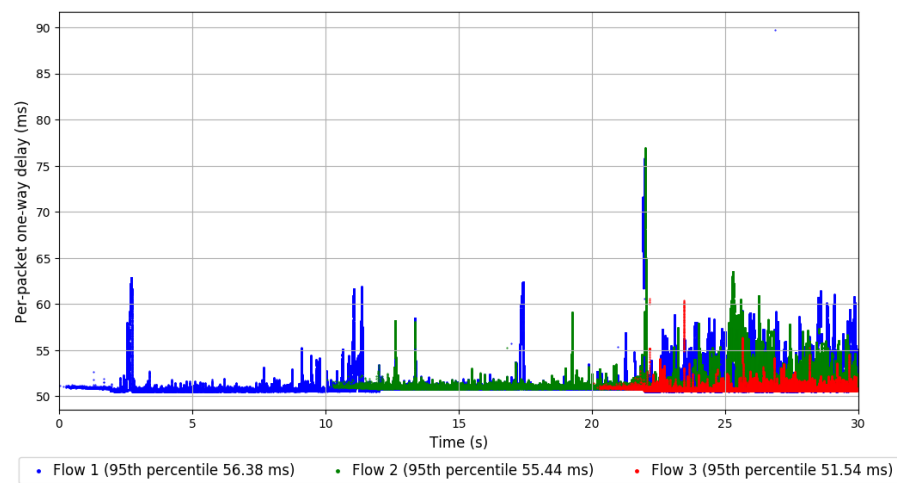
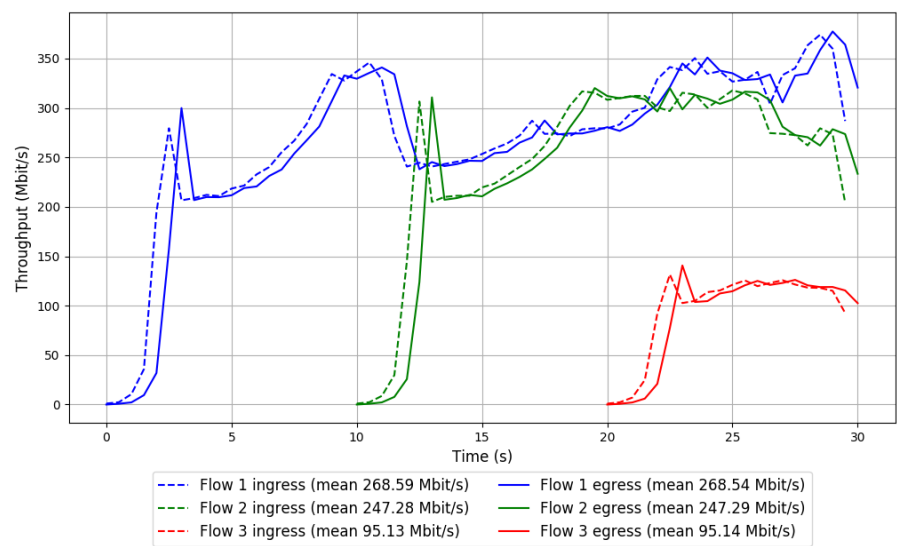


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-12 04:30:02  
End at: 2018-07-12 04:30:32  
Local clock offset: -0.449 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-12 10:58:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 464.37 Mbit/s  
95th percentile per-packet one-way delay: 55.786 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 268.54 Mbit/s  
95th percentile per-packet one-way delay: 56.377 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 247.29 Mbit/s  
95th percentile per-packet one-way delay: 55.439 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 51.539 ms  
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link



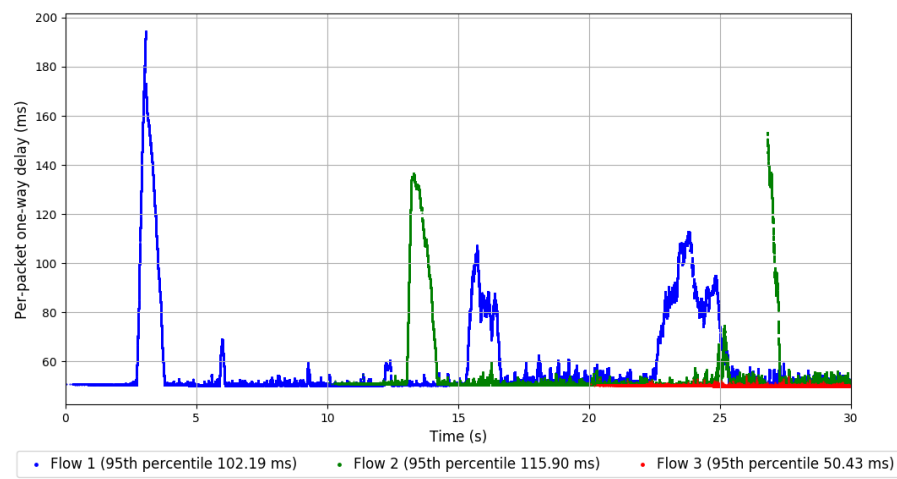
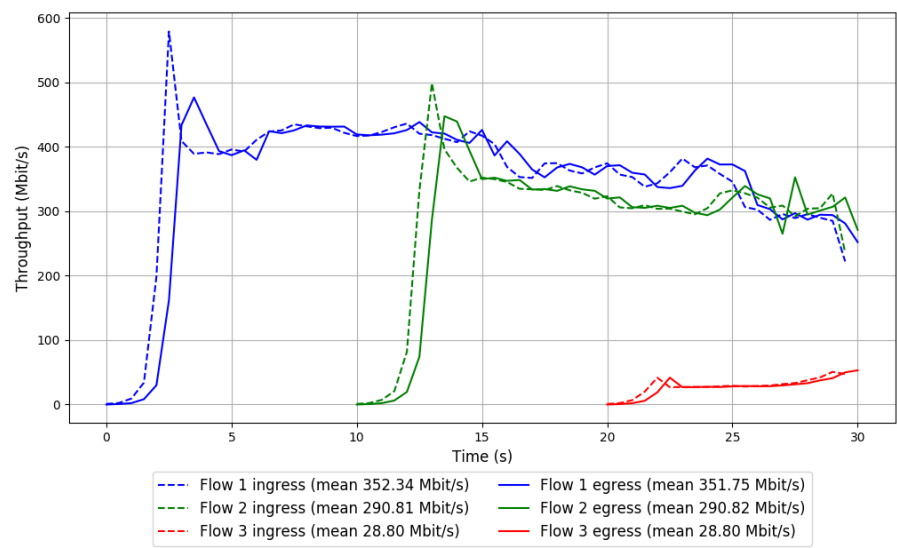
Run 3: Statistics of PCC-Vivace

Start at: 2018-07-12 04:55:19  
End at: 2018-07-12 04:55:49  
Local clock offset: -0.121 ms  
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-07-12 10:58:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 554.65 Mbit/s  
95th percentile per-packet one-way delay: 105.915 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 351.75 Mbit/s  
95th percentile per-packet one-way delay: 102.191 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 290.82 Mbit/s  
95th percentile per-packet one-way delay: 115.902 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 28.80 Mbit/s  
95th percentile per-packet one-way delay: 50.432 ms  
Loss rate: 0.00%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-12 05:20:51

End at: 2018-07-12 05:21:21

Local clock offset: -0.111 ms

Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-07-12 10:58:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 489.89 Mbit/s

95th percentile per-packet one-way delay: 116.609 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 263.83 Mbit/s

95th percentile per-packet one-way delay: 97.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 291.94 Mbit/s

95th percentile per-packet one-way delay: 152.463 ms

Loss rate: 0.00%

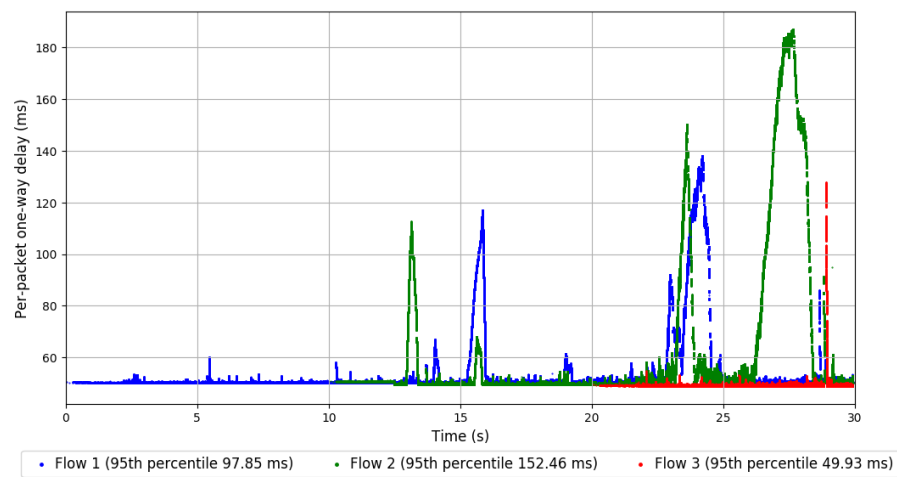
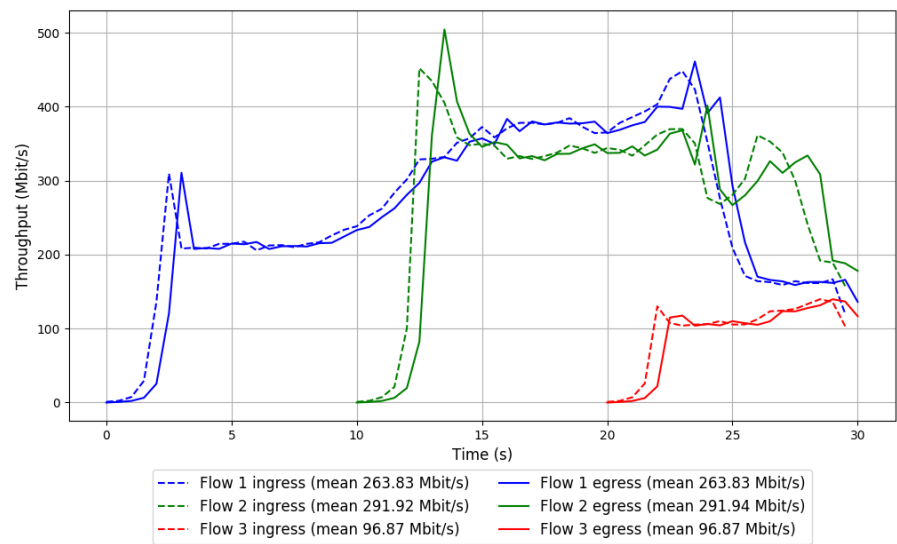
-- Flow 3:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 49.927 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-12 05:46:00

End at: 2018-07-12 05:46:30

Local clock offset: -0.122 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 11:00:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 535.29 Mbit/s

95th percentile per-packet one-way delay: 60.341 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 321.46 Mbit/s

95th percentile per-packet one-way delay: 63.058 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 250.47 Mbit/s

95th percentile per-packet one-way delay: 52.191 ms

Loss rate: 0.00%

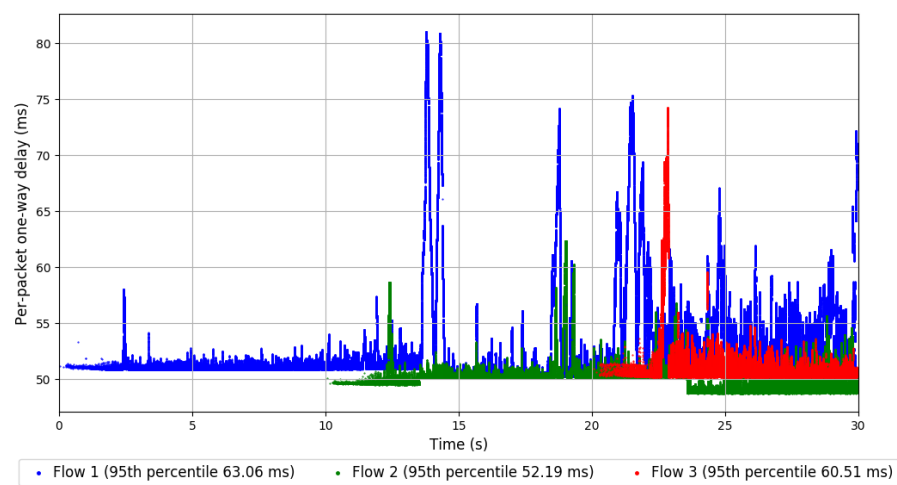
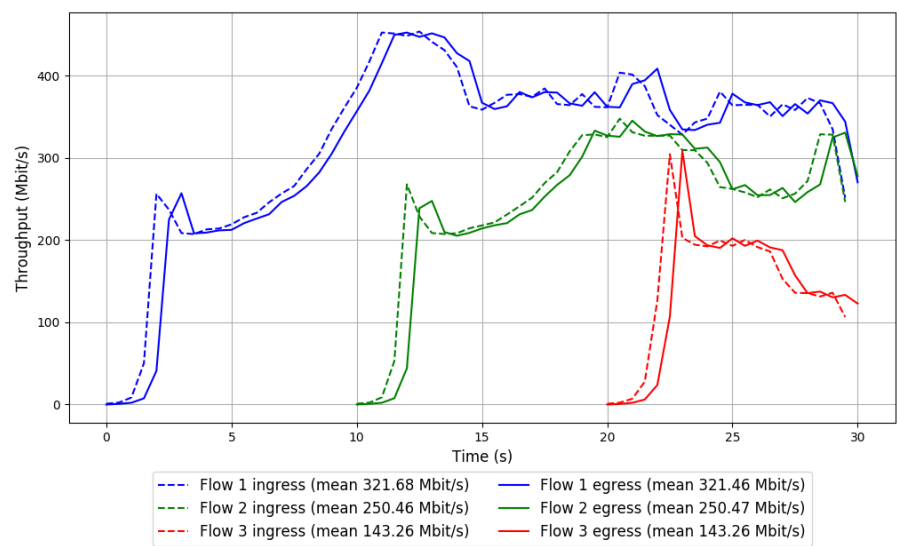
-- Flow 3:

Average throughput: 143.26 Mbit/s

95th percentile per-packet one-way delay: 60.510 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-12 06:10:45

End at: 2018-07-12 06:11:15

Local clock offset: -0.497 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 11:01:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 568.39 Mbit/s

95th percentile per-packet one-way delay: 89.870 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 308.30 Mbit/s

95th percentile per-packet one-way delay: 63.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 312.74 Mbit/s

95th percentile per-packet one-way delay: 129.723 ms

Loss rate: 0.02%

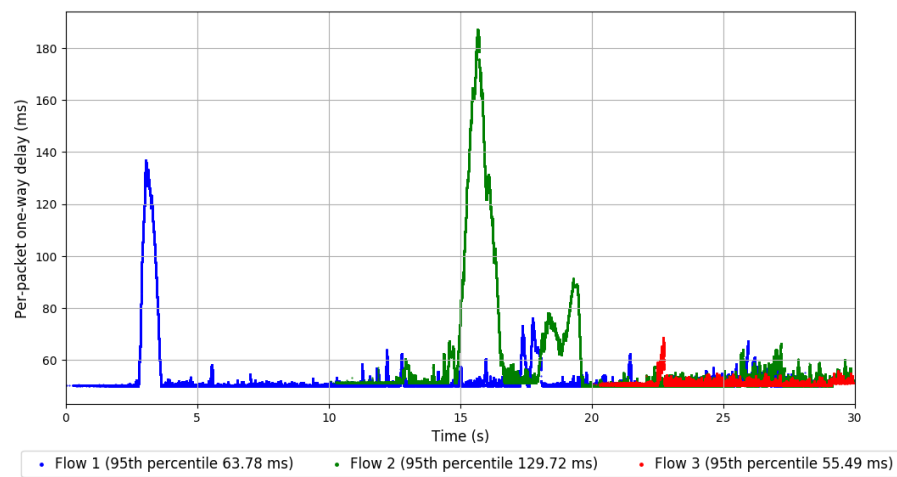
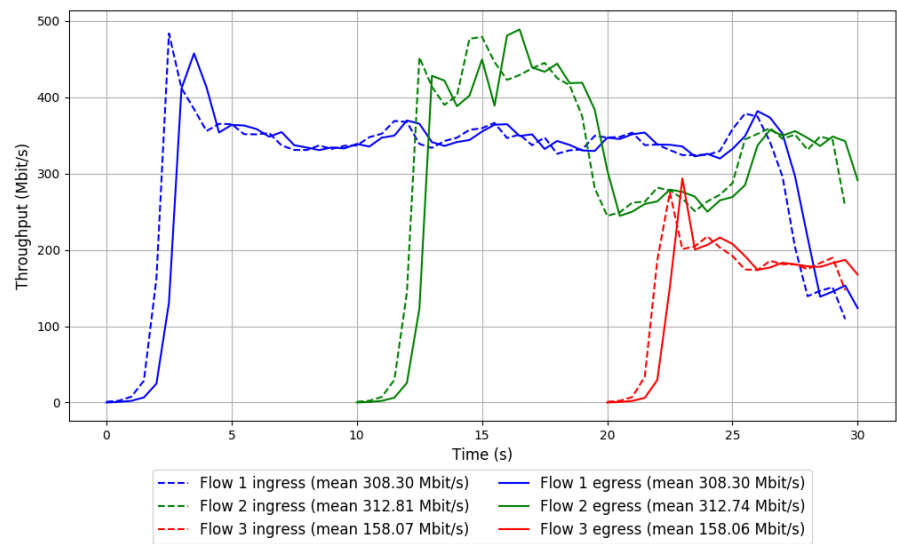
-- Flow 3:

Average throughput: 158.06 Mbit/s

95th percentile per-packet one-way delay: 55.494 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



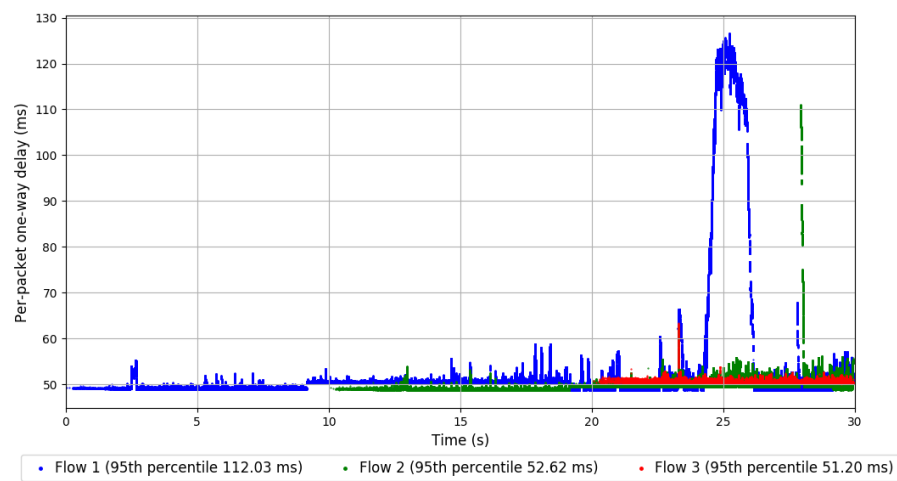
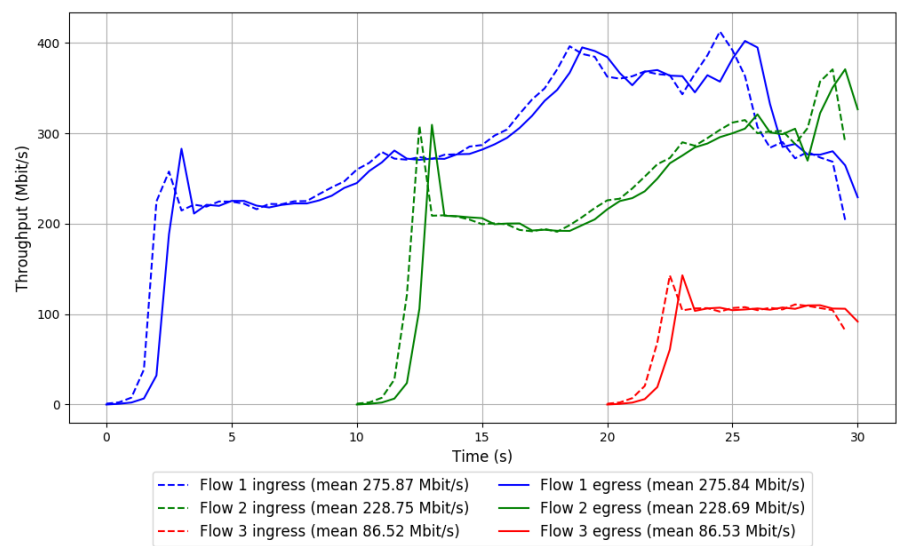
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-12 06:35:55  
End at: 2018-07-12 06:36:25  
Local clock offset: -0.092 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-07-12 11:01:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 456.48 Mbit/s  
95th percentile per-packet one-way delay: 67.821 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 275.84 Mbit/s  
95th percentile per-packet one-way delay: 112.034 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 228.69 Mbit/s  
95th percentile per-packet one-way delay: 52.619 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 86.53 Mbit/s  
95th percentile per-packet one-way delay: 51.196 ms  
Loss rate: 0.00%



Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-12 07:00:37

End at: 2018-07-12 07:01:07

Local clock offset: -0.024 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-12 11:01:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 477.13 Mbit/s

95th percentile per-packet one-way delay: 153.810 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 320.97 Mbit/s

95th percentile per-packet one-way delay: 161.767 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 149.62 Mbit/s

95th percentile per-packet one-way delay: 52.552 ms

Loss rate: 0.00%

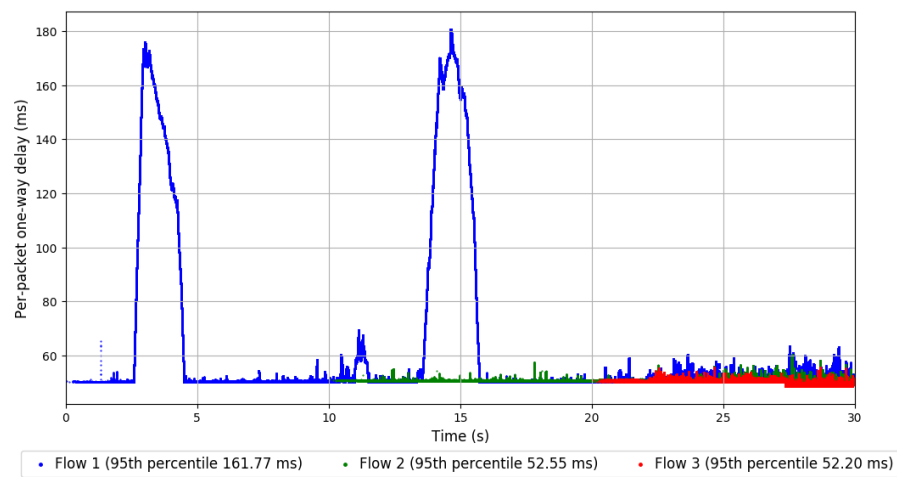
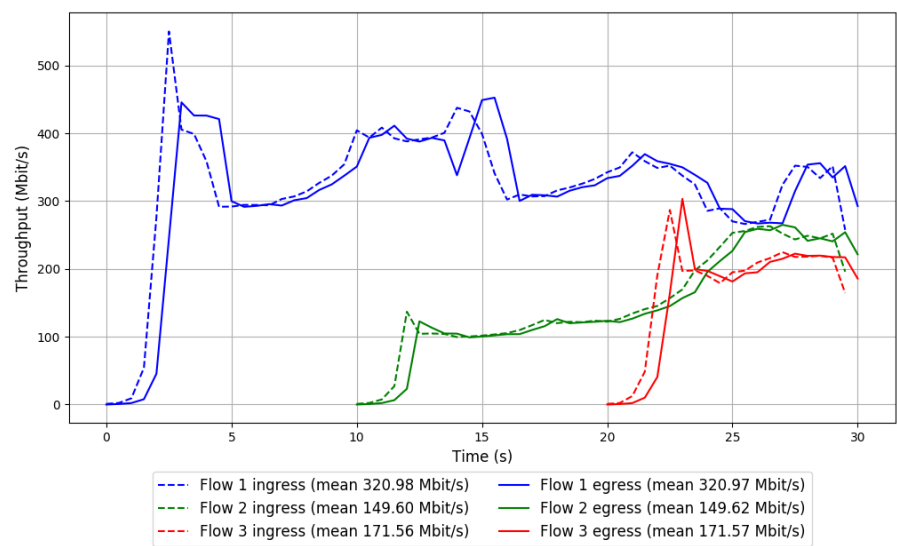
-- Flow 3:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 52.205 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

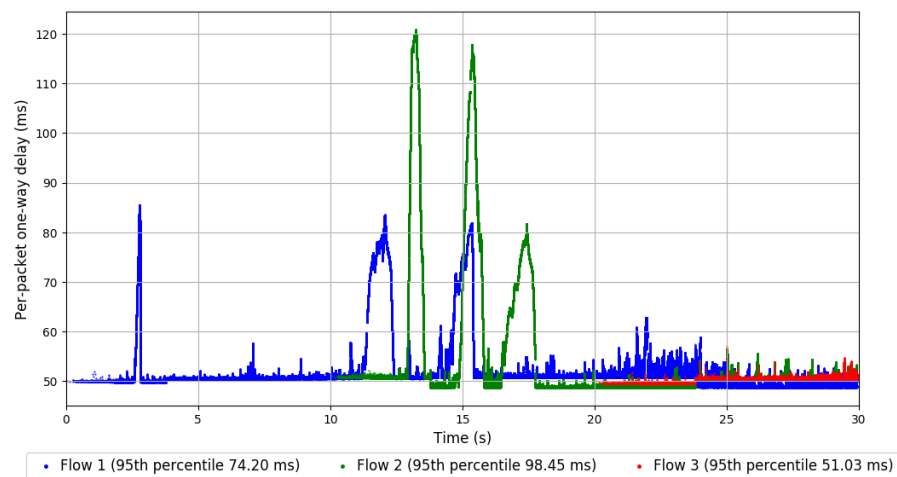
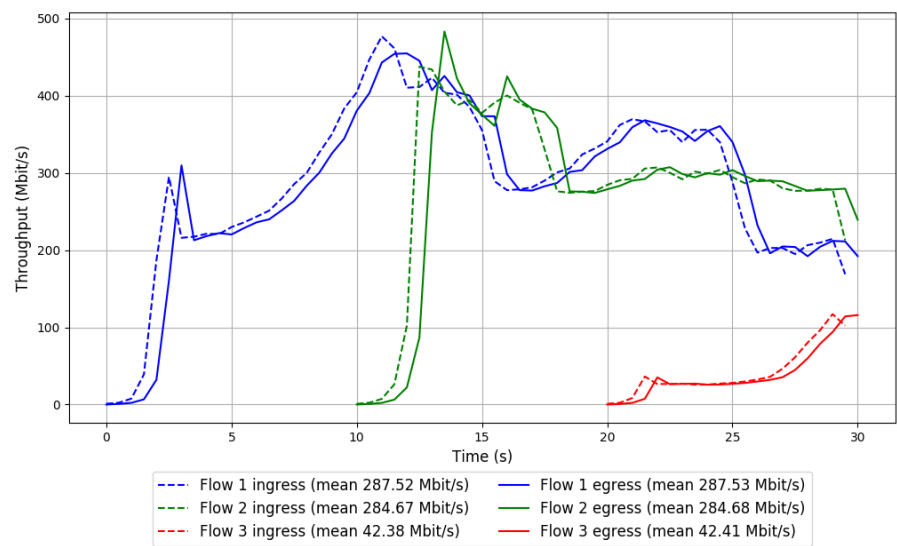


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-12 07:25:30  
End at: 2018-07-12 07:26:00  
Local clock offset: -0.028 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-07-12 11:01:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 490.80 Mbit/s  
95th percentile per-packet one-way delay: 77.547 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 287.53 Mbit/s  
95th percentile per-packet one-way delay: 74.198 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 284.68 Mbit/s  
95th percentile per-packet one-way delay: 98.454 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 42.41 Mbit/s  
95th percentile per-packet one-way delay: 51.029 ms  
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

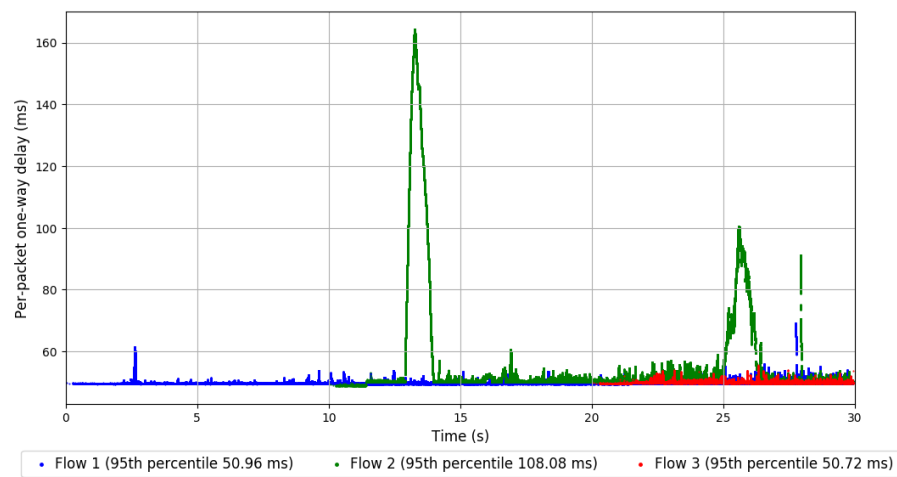
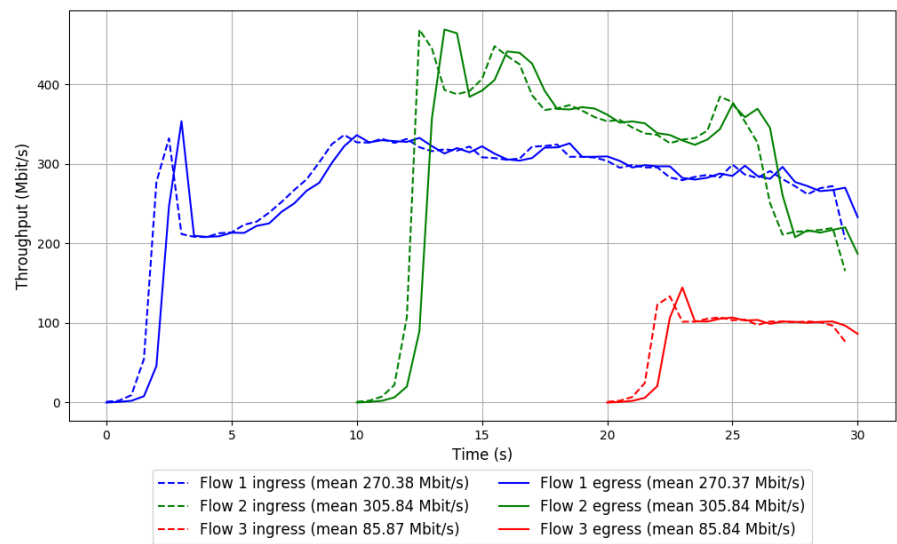


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-12 07:50:32  
End at: 2018-07-12 07:51:02  
Local clock offset: 0.012 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 501.99 Mbit/s  
95th percentile per-packet one-way delay: 69.644 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 270.37 Mbit/s  
95th percentile per-packet one-way delay: 50.959 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 305.84 Mbit/s  
95th percentile per-packet one-way delay: 108.080 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 85.84 Mbit/s  
95th percentile per-packet one-way delay: 50.718 ms  
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-12 03:58:29

End at: 2018-07-12 03:58:59

Local clock offset: -0.413 ms

Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-12 11:02:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 51.238 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 51.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 51.284 ms

Loss rate: 0.00%

-- Flow 3:

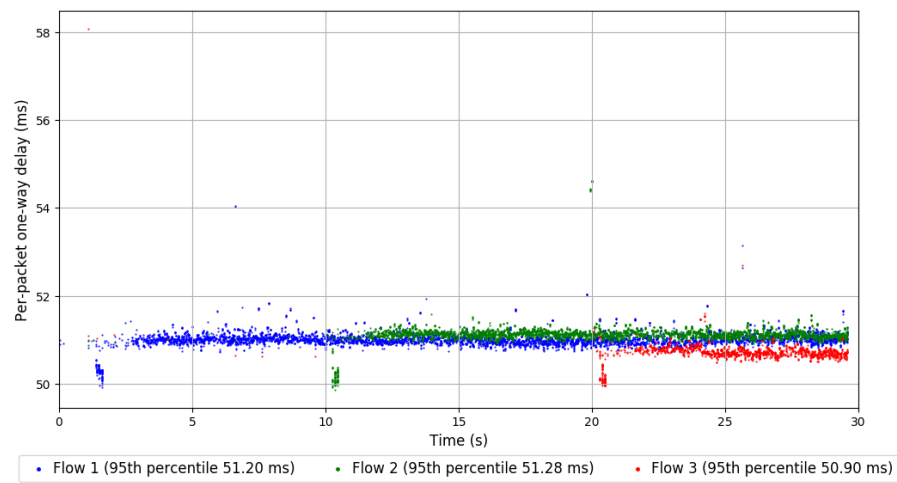
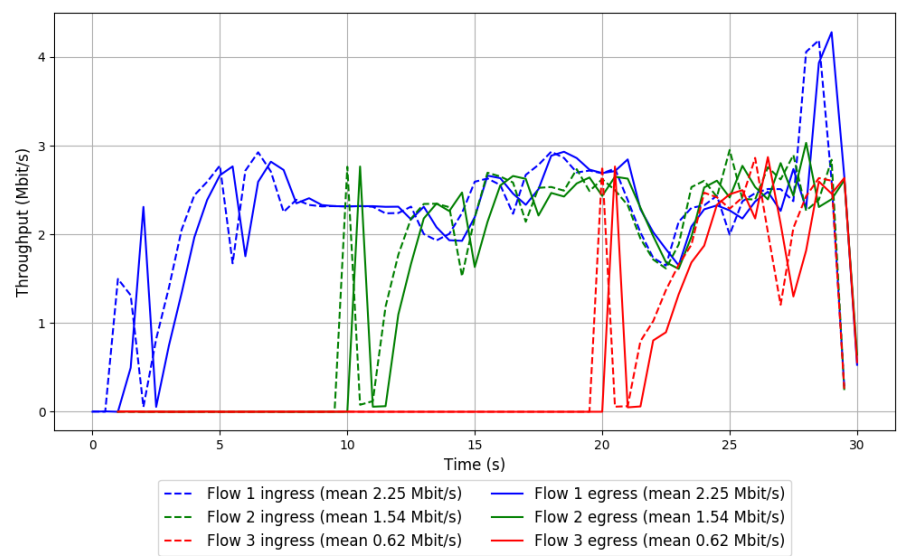
Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.904 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

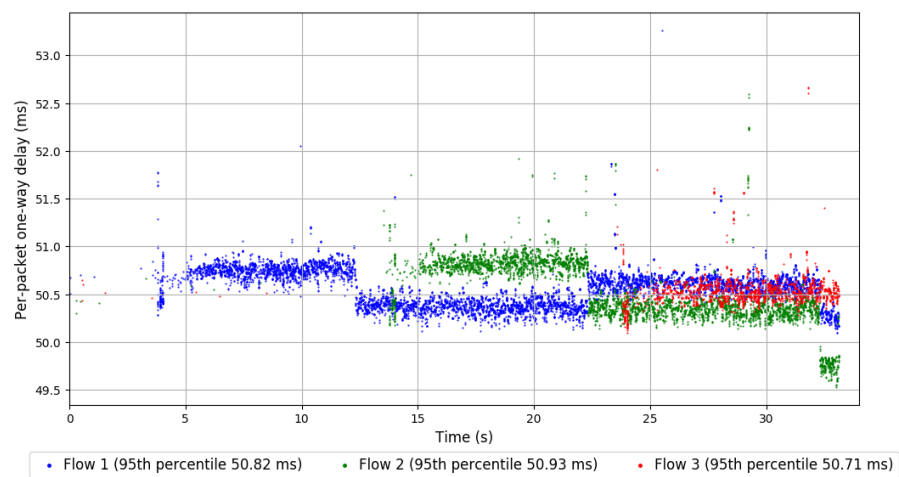
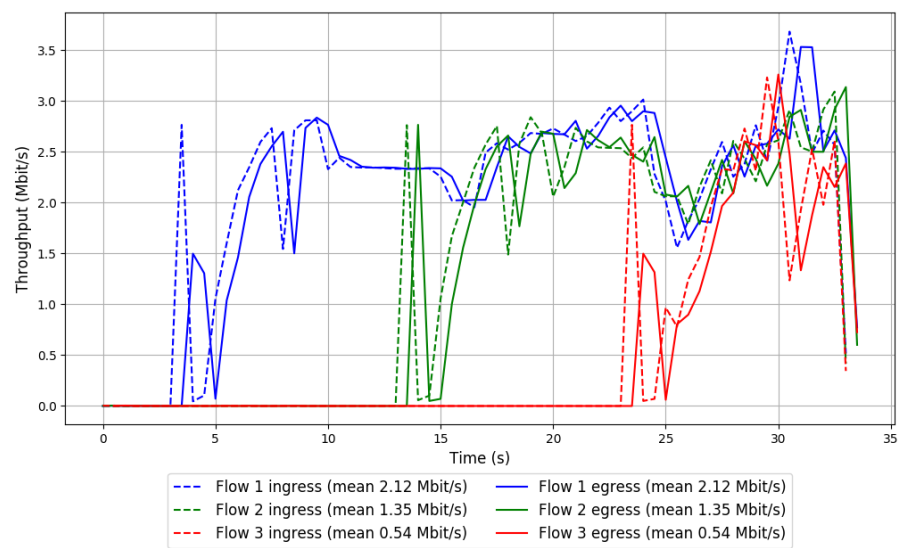


Run 2: Statistics of WebRTC media

Start at: 2018-07-12 04:23:45  
End at: 2018-07-12 04:24:15  
Local clock offset: -0.065 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.00 Mbit/s  
95th percentile per-packet one-way delay: 50.875 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 50.818 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.35 Mbit/s  
95th percentile per-packet one-way delay: 50.927 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 50.710 ms  
Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-12 04:48:59

End at: 2018-07-12 04:49:29

Local clock offset: 0.269 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-07-12 11:02:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.504 ms

Loss rate: 0.00%

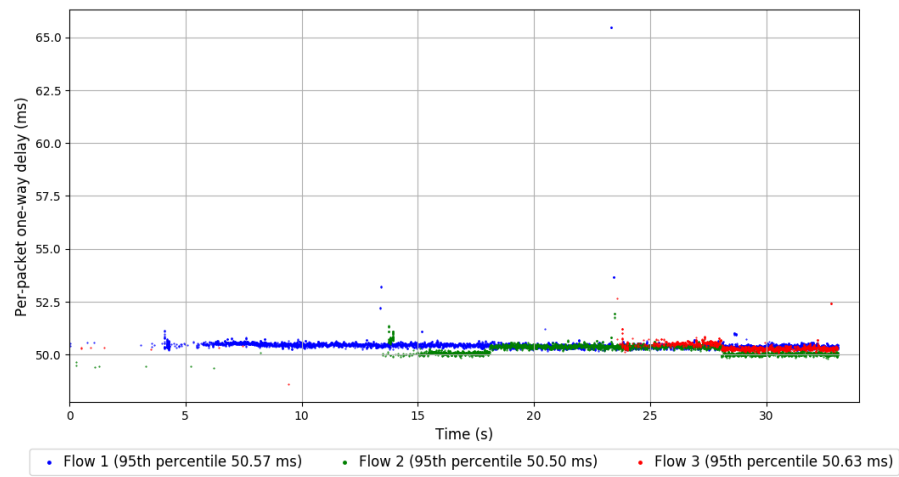
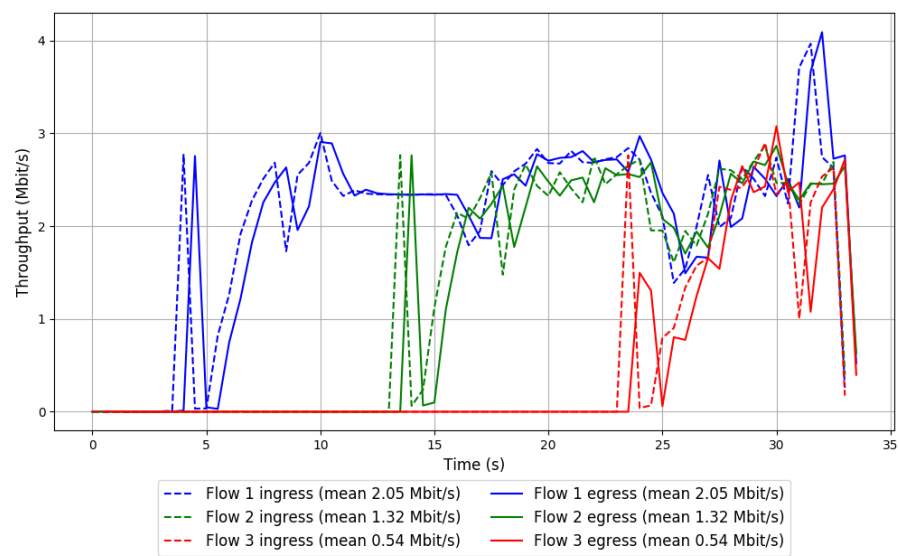
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.626 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-12 05:14:25

End at: 2018-07-12 05:14:55

Local clock offset: -0.073 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-07-12 11:02:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 50.583 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 50.597 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 50.489 ms

Loss rate: 0.00%

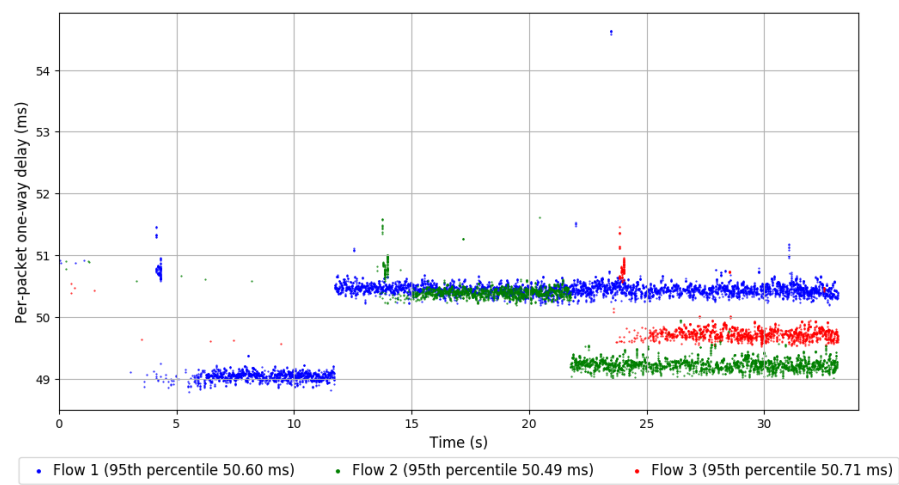
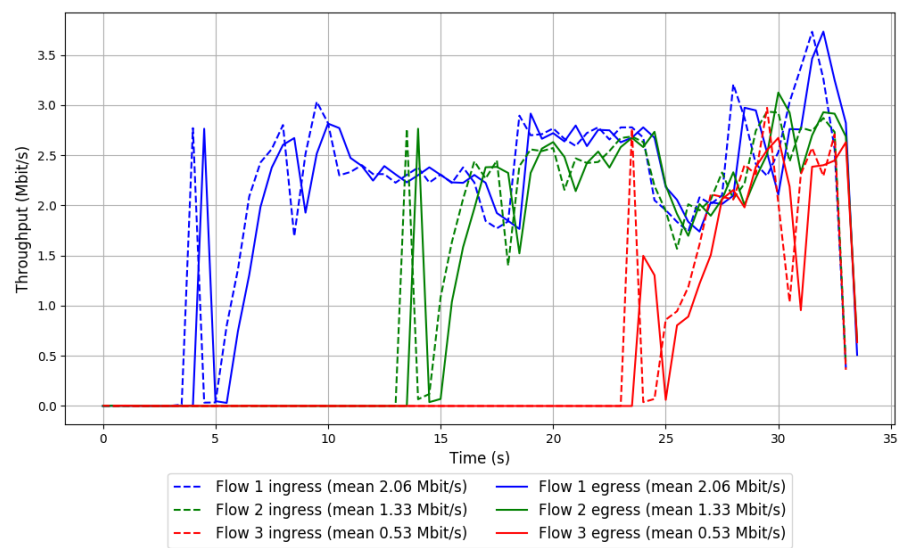
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.706 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-12 05:39:38

End at: 2018-07-12 05:40:08

Local clock offset: -0.441 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 11:02:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 51.478 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 51.319 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 51.438 ms

Loss rate: 0.00%

-- Flow 3:

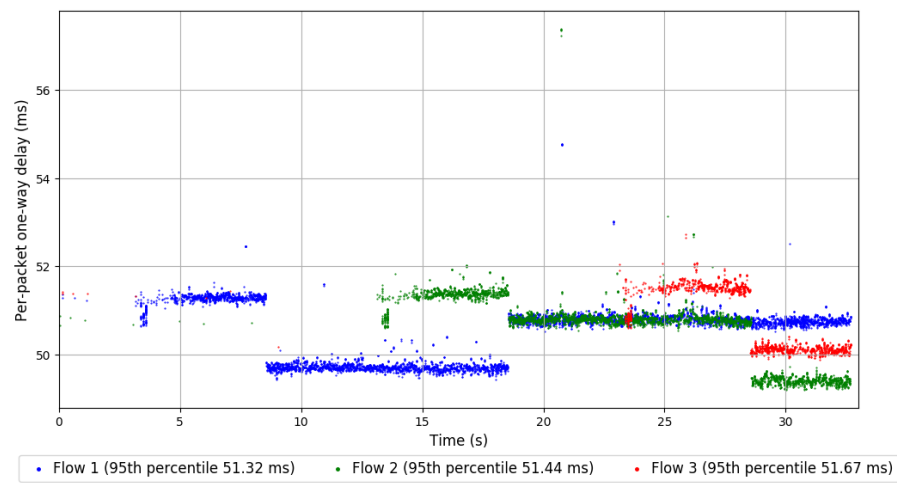
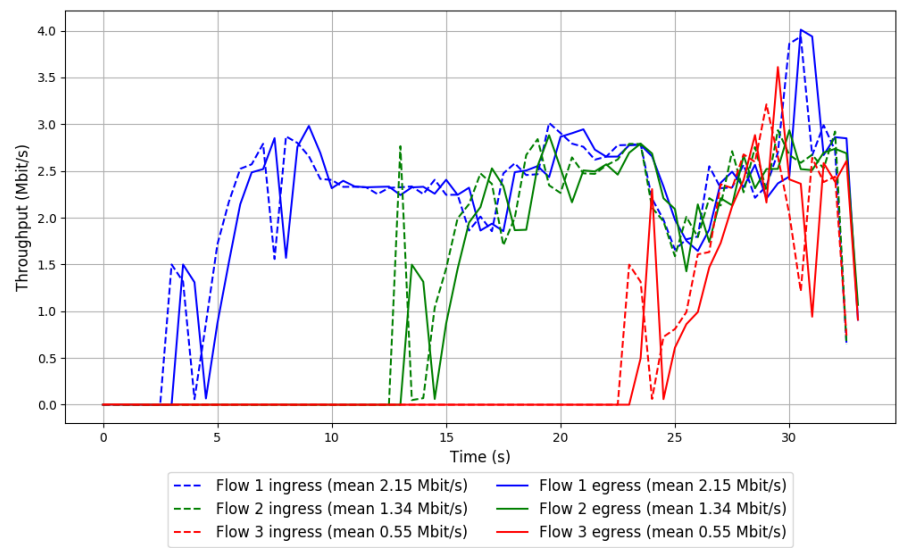
Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 51.673 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

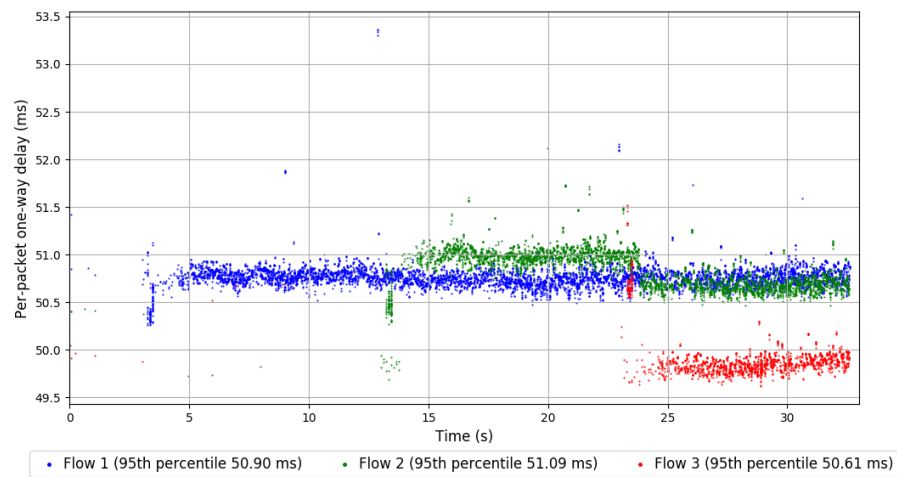
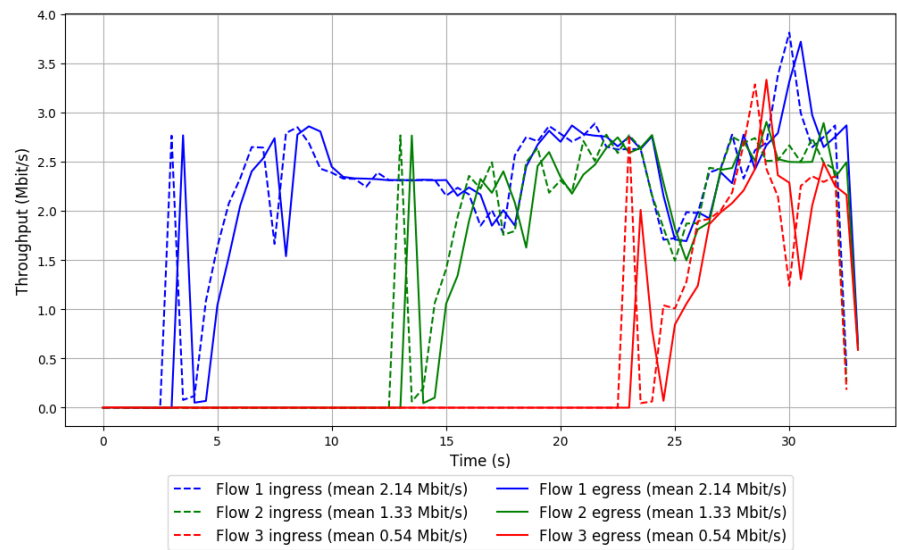


Run 6: Statistics of WebRTC media

Start at: 2018-07-12 06:04:23  
End at: 2018-07-12 06:04:53  
Local clock offset: -0.086 ms  
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.01 Mbit/s  
95th percentile per-packet one-way delay: 51.031 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.14 Mbit/s  
95th percentile per-packet one-way delay: 50.896 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.33 Mbit/s  
95th percentile per-packet one-way delay: 51.091 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 50.613 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

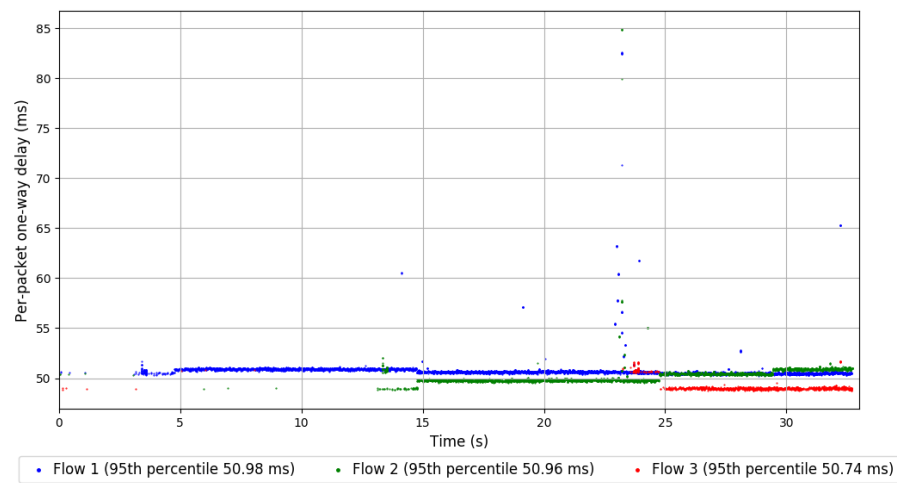
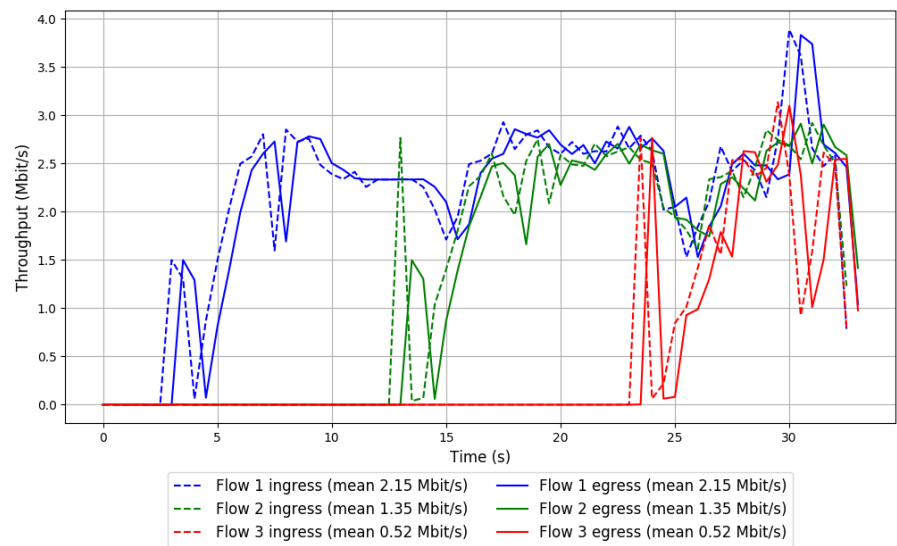


Run 7: Statistics of WebRTC media

Start at: 2018-07-12 06:29:32  
End at: 2018-07-12 06:30:02  
Local clock offset: -0.124 ms  
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 50.973 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 50.983 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.35 Mbit/s  
95th percentile per-packet one-way delay: 50.964 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.52 Mbit/s  
95th percentile per-packet one-way delay: 50.740 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-12 06:54:20

End at: 2018-07-12 06:54:50

Local clock offset: -0.049 ms

Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-07-12 11:02:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 51.000 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 51.003 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 0.00%

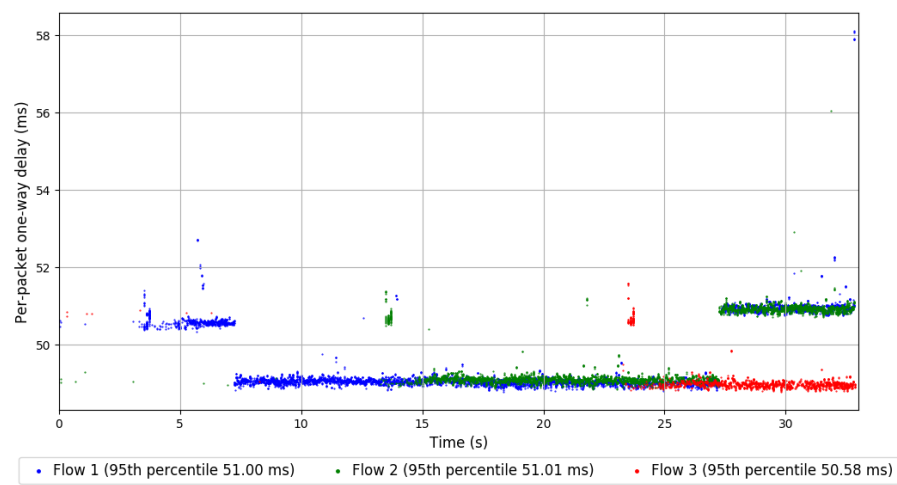
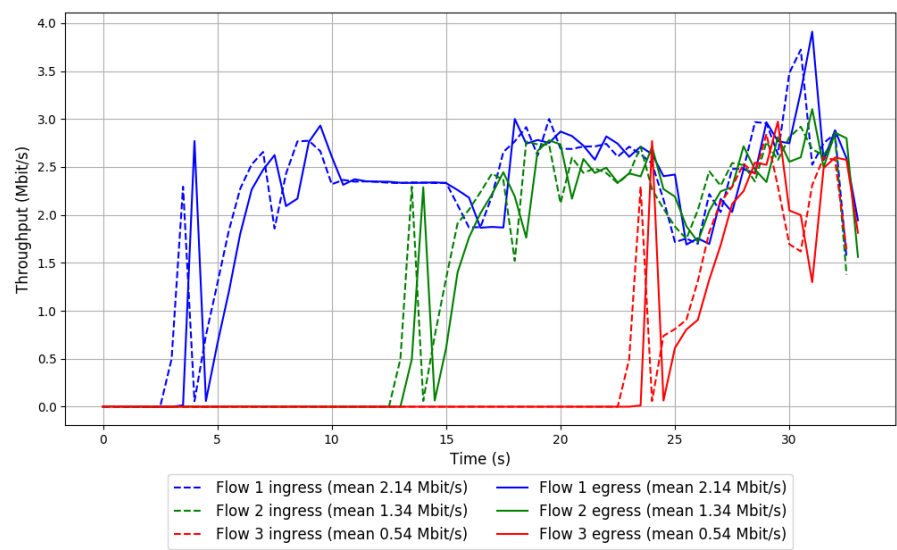
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.577 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



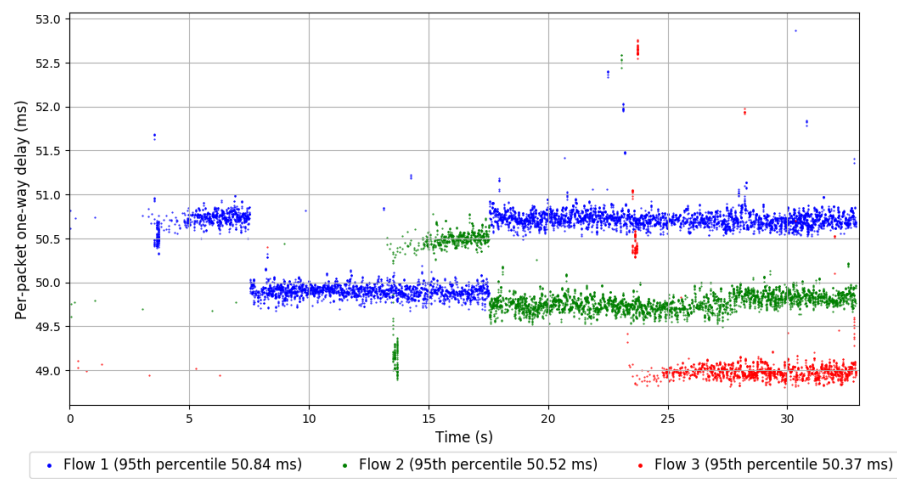
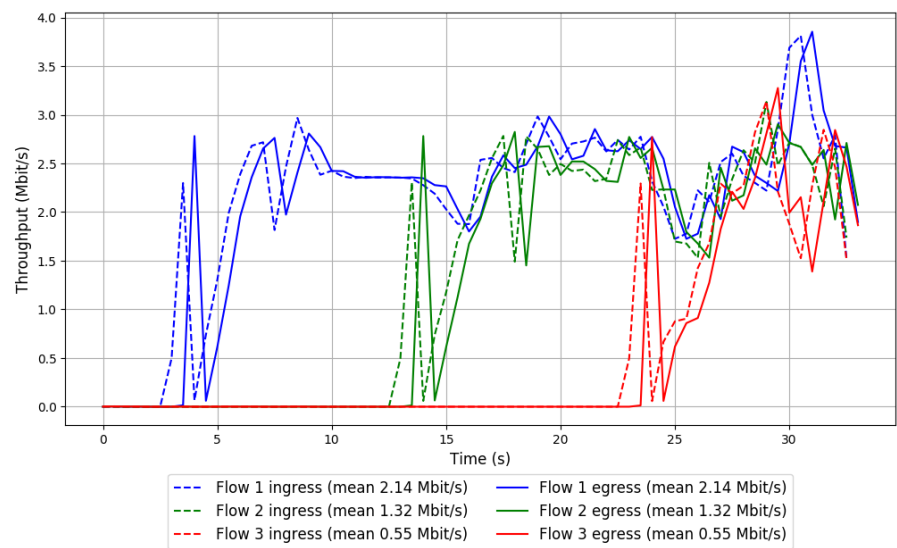
Run 9: Statistics of WebRTC media

Start at: 2018-07-12 07:19:09  
End at: 2018-07-12 07:19:39  
Local clock offset: -0.056 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.01 Mbit/s  
95th percentile per-packet one-way delay: 50.810 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.14 Mbit/s  
95th percentile per-packet one-way delay: 50.837 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 50.519 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 50.366 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-12 07:44:09  
End at: 2018-07-12 07:44:39  
Local clock offset: -0.009 ms  
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-12 11:02:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.99 Mbit/s  
95th percentile per-packet one-way delay: 50.980 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 50.964 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 1.34 Mbit/s  
95th percentile per-packet one-way delay: 51.013 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 50.818 ms  
Loss rate: 0.00%

# Run 10: Report of WebRTC media — Data Link

