

## Pantheon Report

Generated at 2018-08-10 10:17:58 (UTC).

Data path: GCE Sydney 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.

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

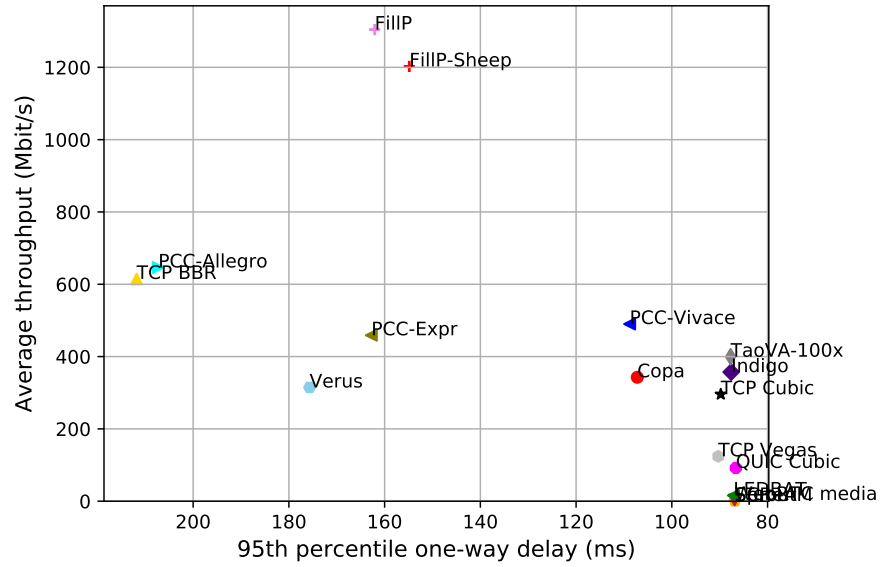
### System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

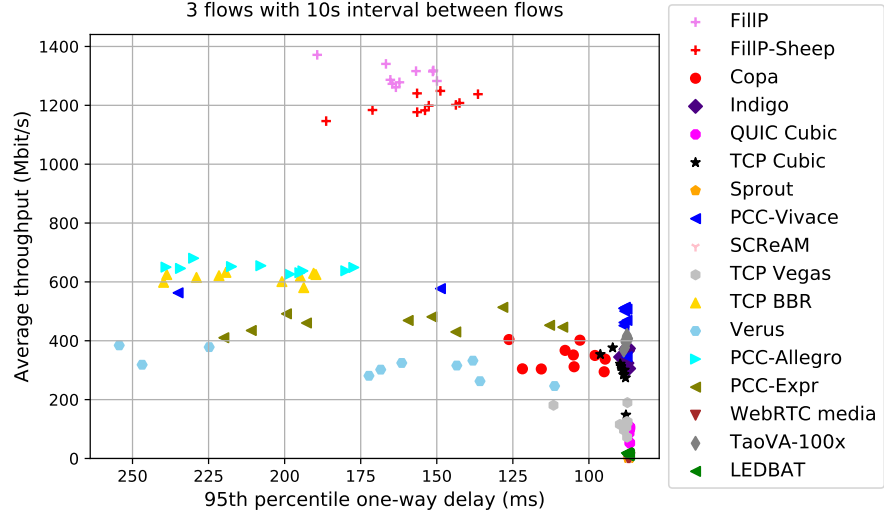
### Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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-quic @ 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 Sydney 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 Sydney 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	381.03	293.24	115.46	222.41	193.95	180.85	2.44	2.62	5.23
Copa	10	199.83	153.36	136.31	103.30	105.81	105.52	0.00	0.00	0.05
TCP Cubic	10	174.79	136.10	91.33	90.05	88.77	88.71	0.00	0.02	0.15
FillP	10	712.61	628.26	523.83	159.96	155.44	157.83	2.84	2.12	0.73
FillP-Sheep	10	667.17	570.57	470.88	156.57	149.97	126.16	1.67	0.66	0.37
Indigo	10	185.60	180.08	160.86	87.47	87.48	87.68	0.00	0.00	0.00
LEDBAT	10	10.36	6.67	2.79	87.15	87.09	86.94	0.00	0.00	0.00
PCC-Allegro	10	559.99	110.38	39.98	209.68	168.79	162.53	2.15	1.12	1.54
PCC-Expr	10	275.67	208.87	134.62	165.21	140.89	140.38	0.56	0.36	0.14
QUIC Cubic	10	47.25	48.71	38.32	86.53	86.59	88.03	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.81	86.82	86.61	0.00	0.00	0.00
Sprout	10	0.28	0.28	0.40	86.78	86.76	86.78	0.00	0.00	0.00
TaoVA-100x	10	203.64	200.82	187.83	87.13	87.96	89.92	0.00	0.00	0.00
TCP Vegas	10	65.03	46.74	84.18	87.64	88.79	92.75	0.00	0.03	0.03
Verus	10	205.42	121.48	89.39	173.45	156.45	170.49	2.41	1.16	2.11
PCC-Vivace	10	313.33	198.21	136.06	115.00	93.84	89.07	0.21	0.00	0.00
WebRTC media	10	1.93	1.14	0.43	86.85	86.78	86.65	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 02:44:14

End at: 2018-08-10 02:44:44

Local clock offset: 0.031 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-08-10 07:24:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 621.10 Mbit/s

95th percentile per-packet one-way delay: 221.579 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 416.73 Mbit/s

95th percentile per-packet one-way delay: 230.513 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 261.97 Mbit/s

95th percentile per-packet one-way delay: 180.994 ms

Loss rate: 2.67%

-- Flow 3:

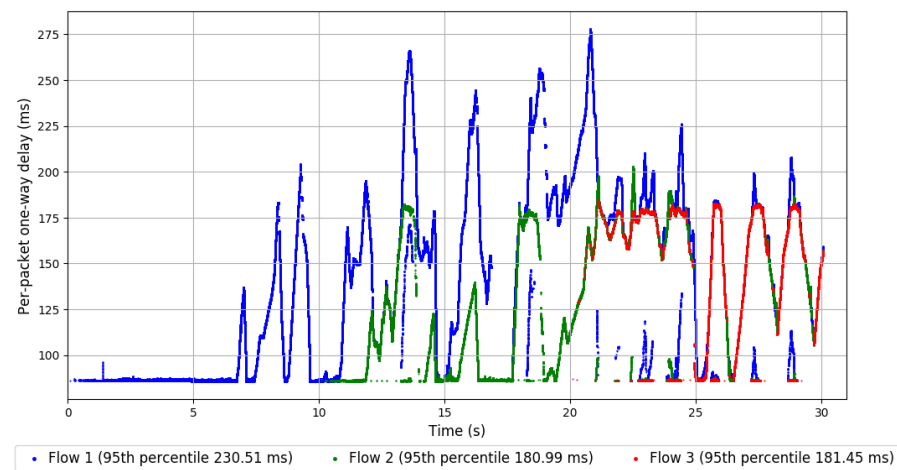
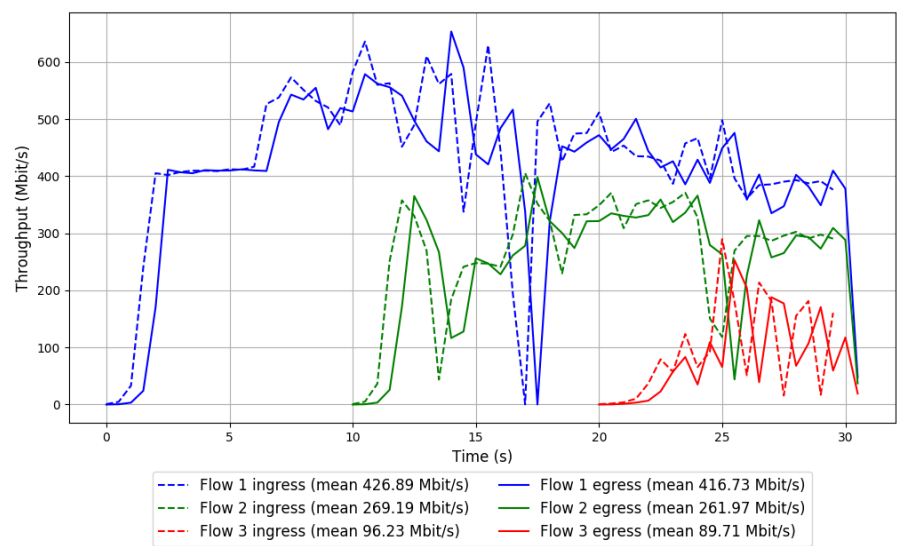
Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 181.448 ms

Loss rate: 6.77%



Run 1: Report of TCP BBR — Data Link

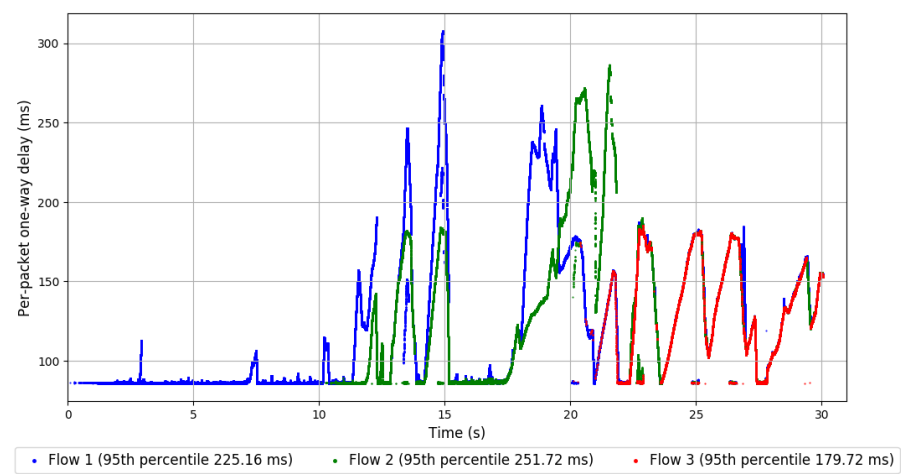
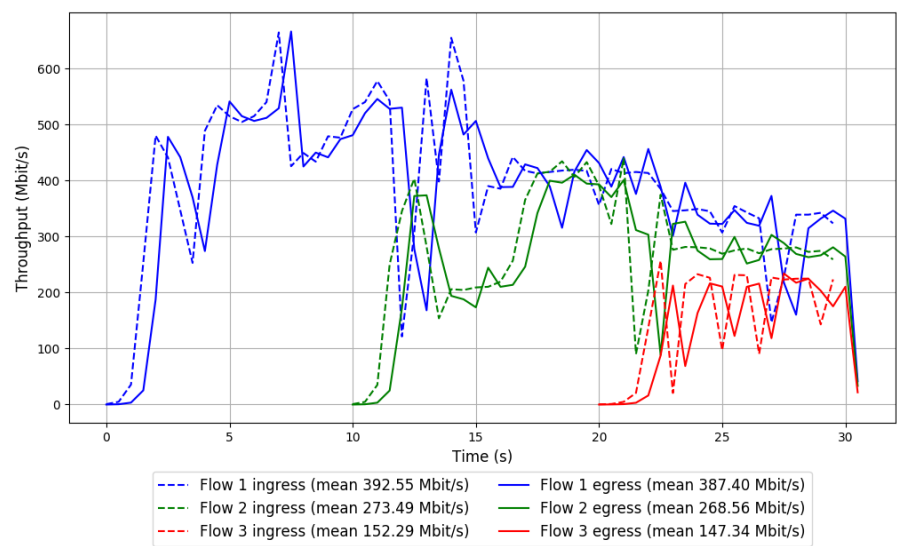


Run 2: Statistics of TCP BBR

Start at: 2018-08-10 03:11:24  
End at: 2018-08-10 03:11:54  
Local clock offset: -0.044 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-08-10 07:24:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 615.16 Mbit/s  
95th percentile per-packet one-way delay: 228.978 ms  
Loss rate: 1.60%  
-- Flow 1:  
Average throughput: 387.40 Mbit/s  
95th percentile per-packet one-way delay: 225.157 ms  
Loss rate: 1.31%  
-- Flow 2:  
Average throughput: 268.56 Mbit/s  
95th percentile per-packet one-way delay: 251.719 ms  
Loss rate: 1.79%  
-- Flow 3:  
Average throughput: 147.34 Mbit/s  
95th percentile per-packet one-way delay: 179.722 ms  
Loss rate: 3.24%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-10 03:38:27

End at: 2018-08-10 03:38:57

Local clock offset: -0.076 ms

Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-08-10 07:24:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 618.41 Mbit/s

95th percentile per-packet one-way delay: 194.845 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 396.56 Mbit/s

95th percentile per-packet one-way delay: 209.748 ms

Loss rate: 2.26%

-- Flow 2:

Average throughput: 315.72 Mbit/s

95th percentile per-packet one-way delay: 180.386 ms

Loss rate: 1.89%

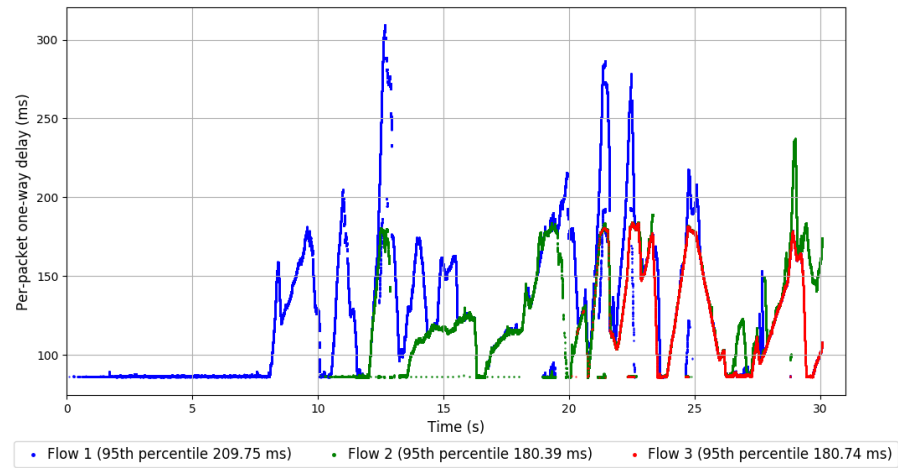
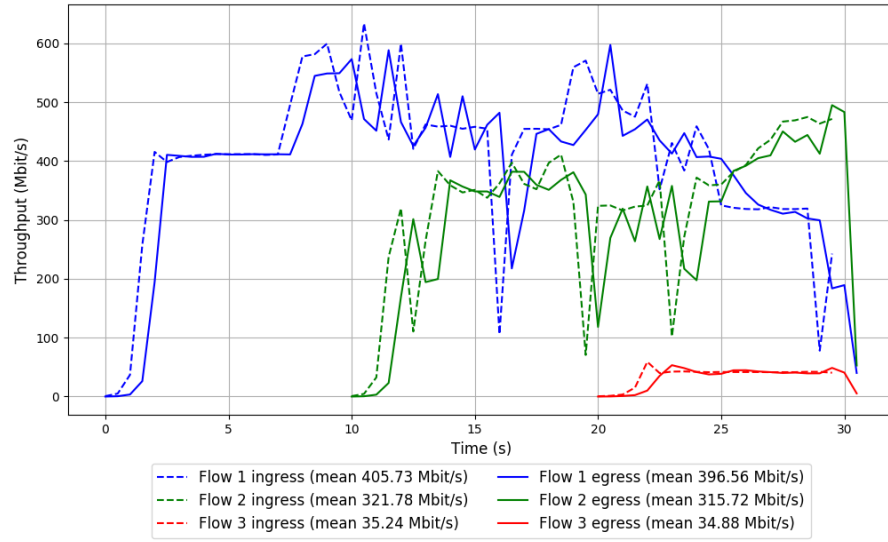
-- Flow 3:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 180.744 ms

Loss rate: 1.00%

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

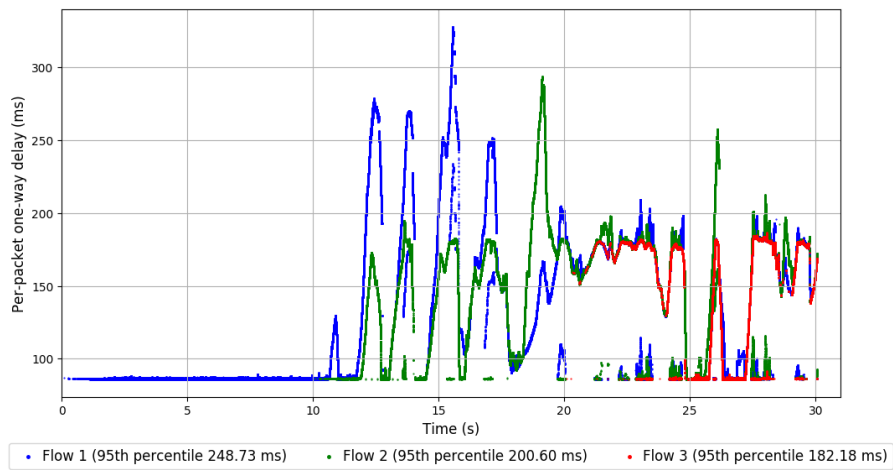
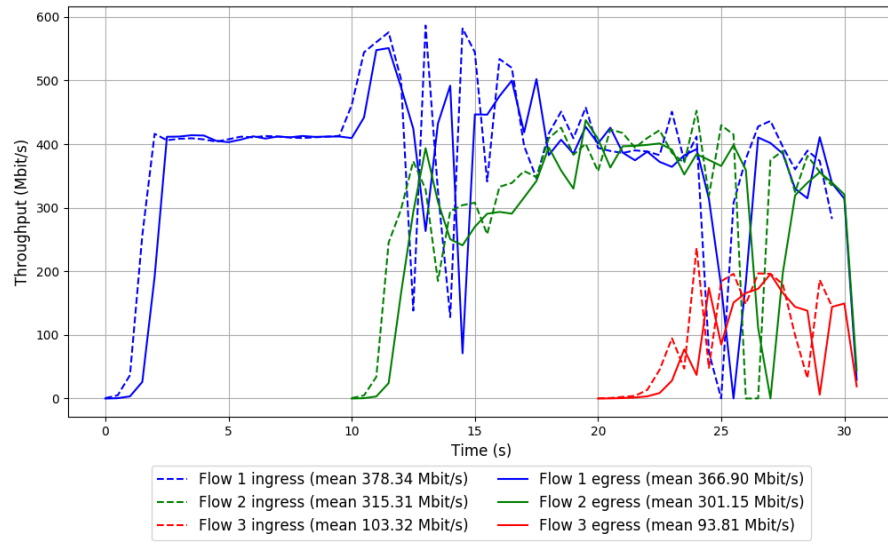


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 04:06:01  
End at: 2018-08-10 04:06:31  
Local clock offset: -0.24 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-08-10 07:24:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 598.70 Mbit/s  
95th percentile per-packet one-way delay: 239.784 ms  
Loss rate: 3.86%  
-- Flow 1:  
Average throughput: 366.90 Mbit/s  
95th percentile per-packet one-way delay: 248.726 ms  
Loss rate: 3.02%  
-- Flow 2:  
Average throughput: 301.15 Mbit/s  
95th percentile per-packet one-way delay: 200.603 ms  
Loss rate: 4.49%  
-- Flow 3:  
Average throughput: 93.81 Mbit/s  
95th percentile per-packet one-way delay: 182.183 ms  
Loss rate: 9.21%

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



Run 5: Statistics of TCP BBR

Start at: 2018-08-10 04:33:13

End at: 2018-08-10 04:33:43

Local clock offset: -0.23 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-08-10 07:24:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 601.15 Mbit/s

95th percentile per-packet one-way delay: 200.894 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 312.92 Mbit/s

95th percentile per-packet one-way delay: 178.756 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 364.59 Mbit/s

95th percentile per-packet one-way delay: 226.216 ms

Loss rate: 3.26%

-- Flow 3:

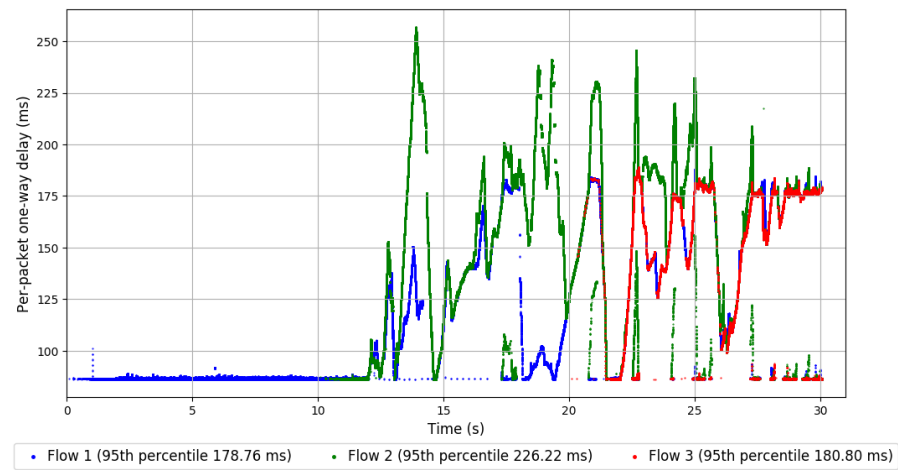
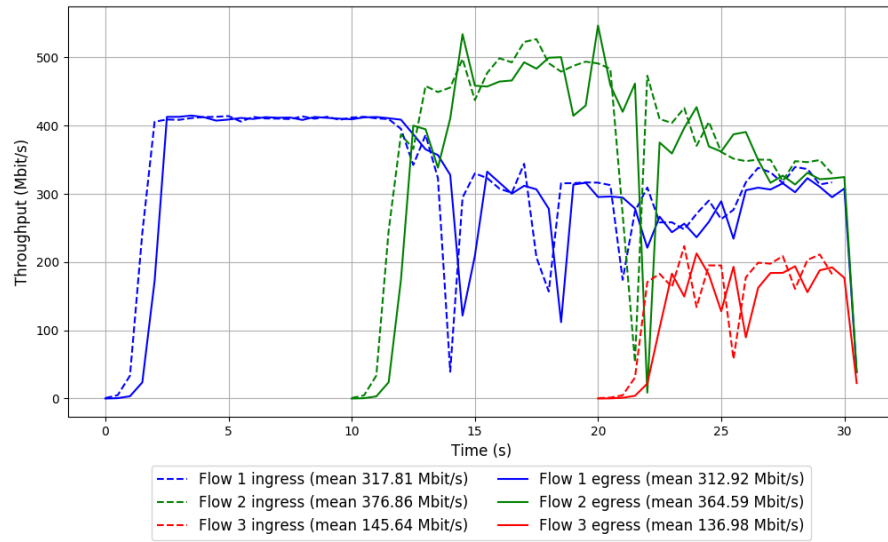
Average throughput: 136.98 Mbit/s

95th percentile per-packet one-way delay: 180.797 ms

Loss rate: 5.94%



# Run 5: Report of TCP BBR — Data Link

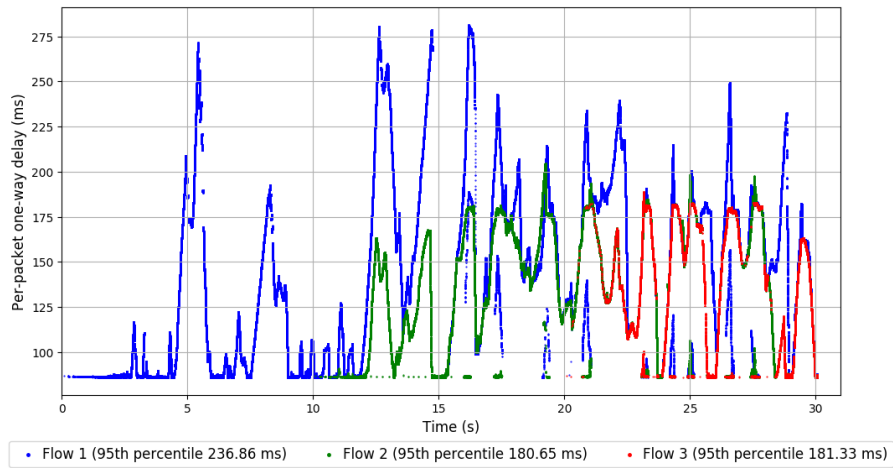
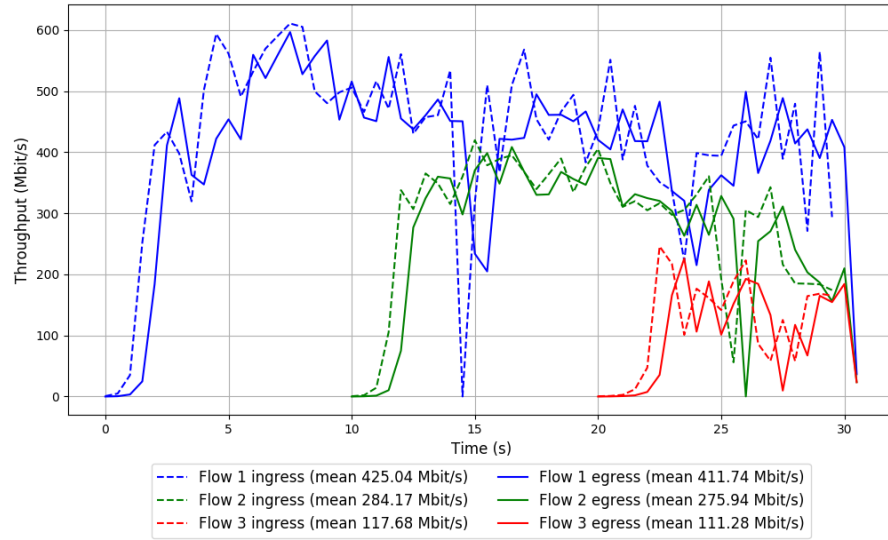


Run 6: Statistics of TCP BBR

Start at: 2018-08-10 05:00:19  
End at: 2018-08-10 05:00:49  
Local clock offset: -0.234 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-08-10 07:24:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 632.52 Mbit/s  
95th percentile per-packet one-way delay: 219.299 ms  
Loss rate: 3.20%  
-- Flow 1:  
Average throughput: 411.74 Mbit/s  
95th percentile per-packet one-way delay: 236.863 ms  
Loss rate: 3.13%  
-- Flow 2:  
Average throughput: 275.94 Mbit/s  
95th percentile per-packet one-way delay: 180.652 ms  
Loss rate: 2.90%  
-- Flow 3:  
Average throughput: 111.28 Mbit/s  
95th percentile per-packet one-way delay: 181.334 ms  
Loss rate: 5.44%

# Run 6: Report of TCP BBR — Data Link

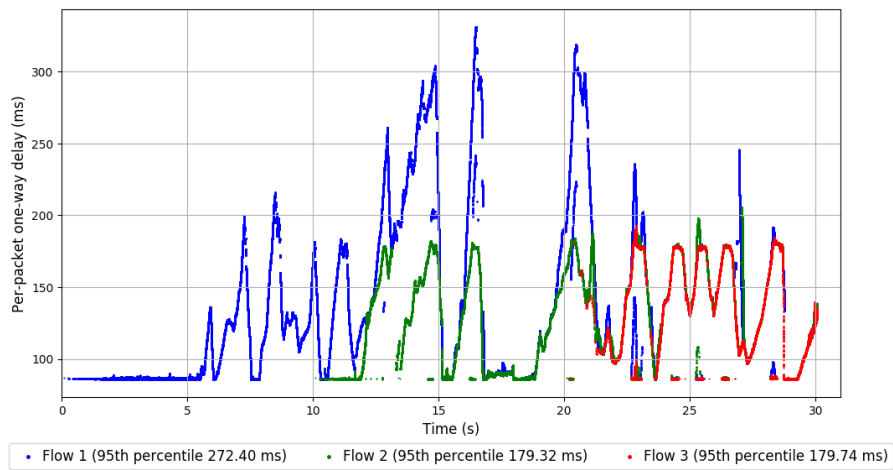
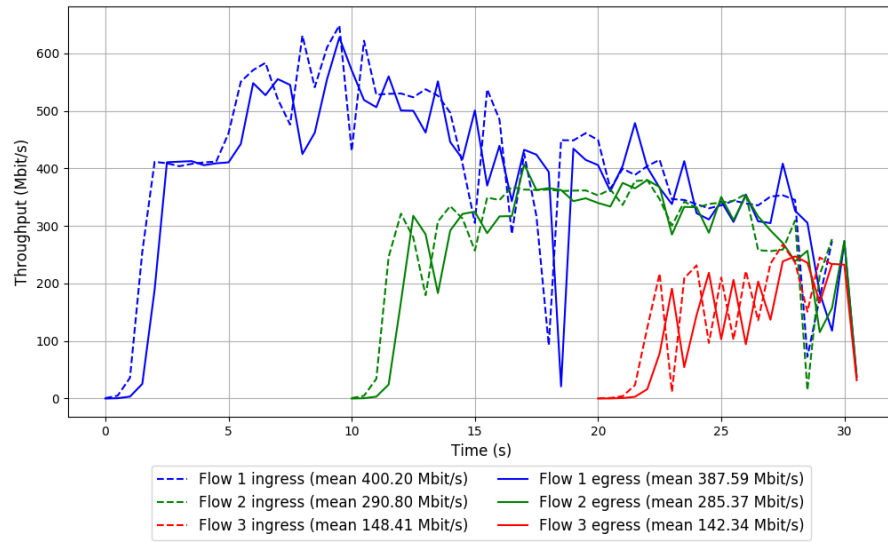


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 05:27:31  
End at: 2018-08-10 05:28:01  
Local clock offset: -0.155 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-08-10 07:24:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 625.02 Mbit/s  
95th percentile per-packet one-way delay: 238.753 ms  
Loss rate: 2.79%  
-- Flow 1:  
Average throughput: 387.59 Mbit/s  
95th percentile per-packet one-way delay: 272.401 ms  
Loss rate: 3.12%  
-- Flow 2:  
Average throughput: 285.37 Mbit/s  
95th percentile per-packet one-way delay: 179.323 ms  
Loss rate: 1.81%  
-- Flow 3:  
Average throughput: 142.34 Mbit/s  
95th percentile per-packet one-way delay: 179.739 ms  
Loss rate: 3.99%

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

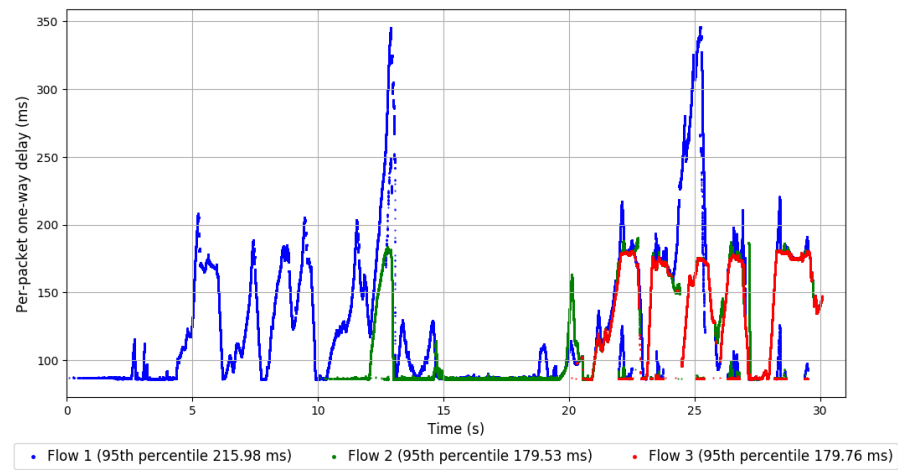
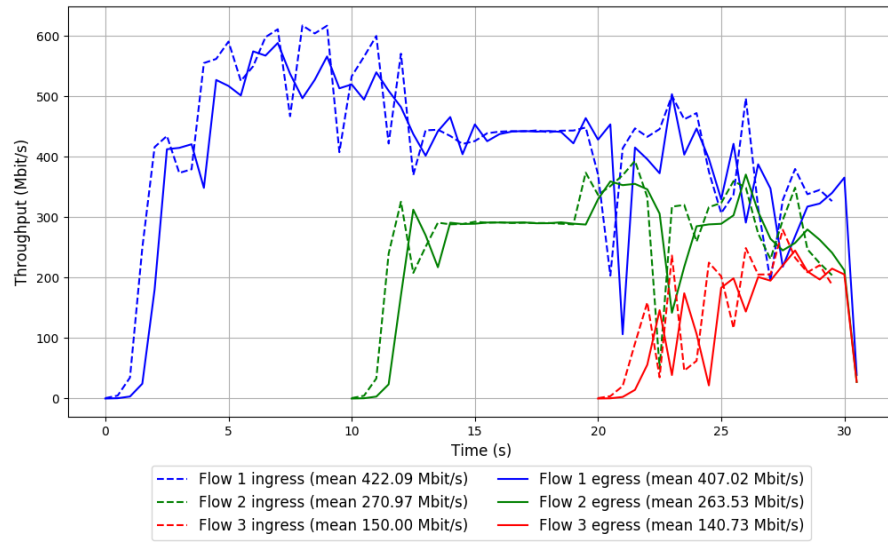


Run 8: Statistics of TCP BBR

Start at: 2018-08-10 05:54:47  
End at: 2018-08-10 05:55:17  
Local clock offset: -0.188 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-08-10 07:24:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 629.32 Mbit/s  
95th percentile per-packet one-way delay: 190.479 ms  
Loss rate: 3.54%  
-- Flow 1:  
Average throughput: 407.02 Mbit/s  
95th percentile per-packet one-way delay: 215.977 ms  
Loss rate: 3.57%  
-- Flow 2:  
Average throughput: 263.53 Mbit/s  
95th percentile per-packet one-way delay: 179.529 ms  
Loss rate: 2.74%  
-- Flow 3:  
Average throughput: 140.73 Mbit/s  
95th percentile per-packet one-way delay: 179.757 ms  
Loss rate: 6.17%

# Run 8: Report of TCP BBR — Data Link



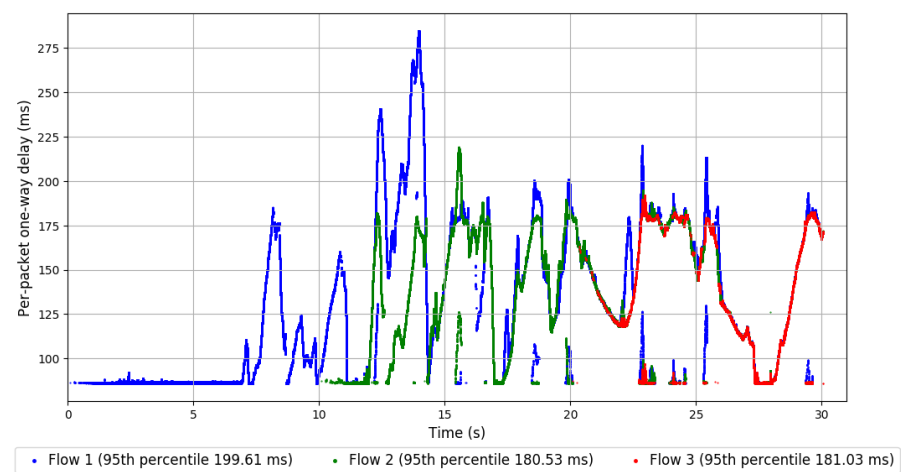
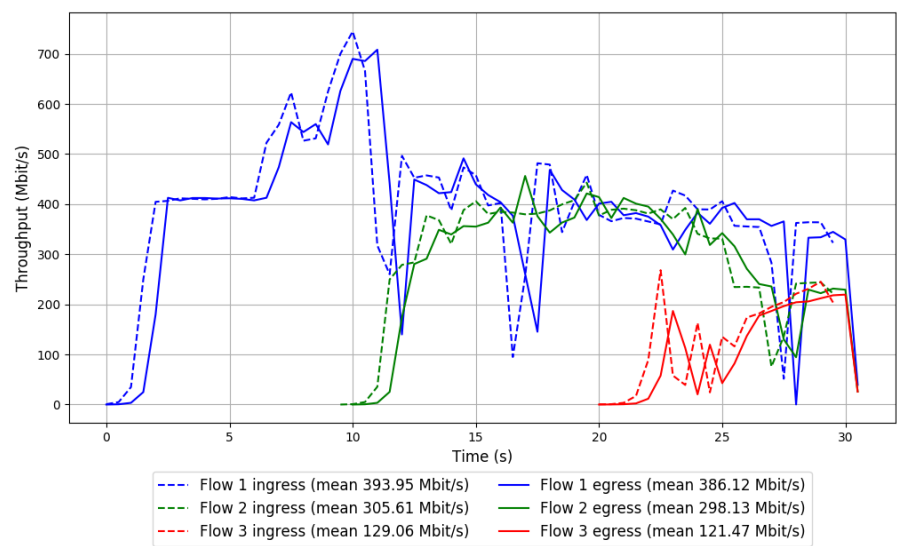
Run 9: Statistics of TCP BBR

Start at: 2018-08-10 06:21:39  
End at: 2018-08-10 06:22:09  
Local clock offset: -0.187 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 07:34:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 625.18 Mbit/s  
95th percentile per-packet one-way delay: 189.722 ms  
Loss rate: 2.40%  
-- Flow 1:  
Average throughput: 386.12 Mbit/s  
95th percentile per-packet one-way delay: 199.608 ms  
Loss rate: 1.99%  
-- Flow 2:  
Average throughput: 298.13 Mbit/s  
95th percentile per-packet one-way delay: 180.531 ms  
Loss rate: 2.45%  
-- Flow 3:  
Average throughput: 121.47 Mbit/s  
95th percentile per-packet one-way delay: 181.034 ms  
Loss rate: 5.88%



Run 9: Report of TCP BBR — Data Link

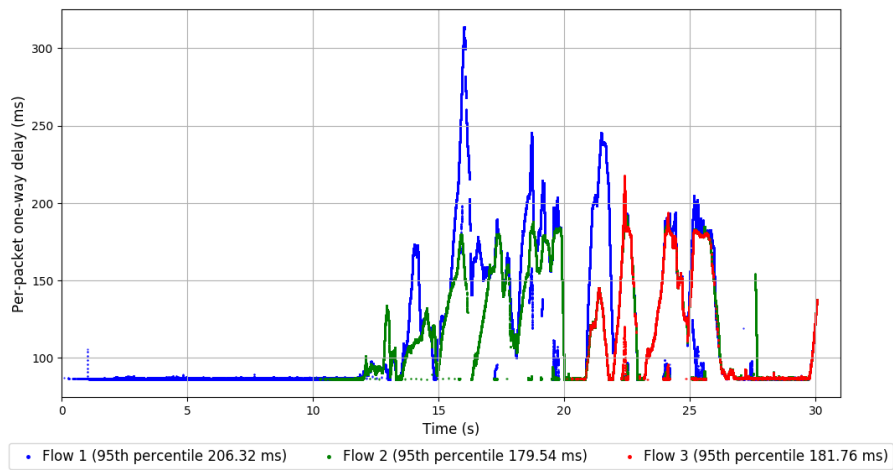
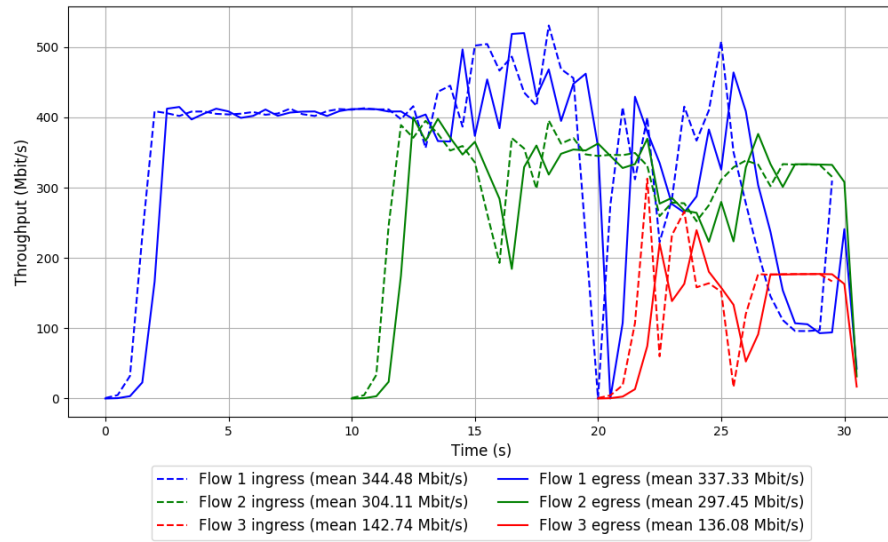


Run 10: Statistics of TCP BBR

Start at: 2018-08-10 06:48:43  
End at: 2018-08-10 06:49:13  
Local clock offset: -0.176 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-08-10 07:34:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 580.63 Mbit/s  
95th percentile per-packet one-way delay: 193.732 ms  
Loss rate: 2.32%  
-- Flow 1:  
Average throughput: 337.33 Mbit/s  
95th percentile per-packet one-way delay: 206.320 ms  
Loss rate: 2.08%  
-- Flow 2:  
Average throughput: 297.45 Mbit/s  
95th percentile per-packet one-way delay: 179.538 ms  
Loss rate: 2.19%  
-- Flow 3:  
Average throughput: 136.08 Mbit/s  
95th percentile per-packet one-way delay: 181.756 ms  
Loss rate: 4.66%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-10 02:30:29

End at: 2018-08-10 02:30:59

Local clock offset: 0.033 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-08-10 07:35:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 350.03 Mbit/s

95th percentile per-packet one-way delay: 98.027 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.19 Mbit/s

95th percentile per-packet one-way delay: 96.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.51 Mbit/s

95th percentile per-packet one-way delay: 110.101 ms

Loss rate: 0.00%

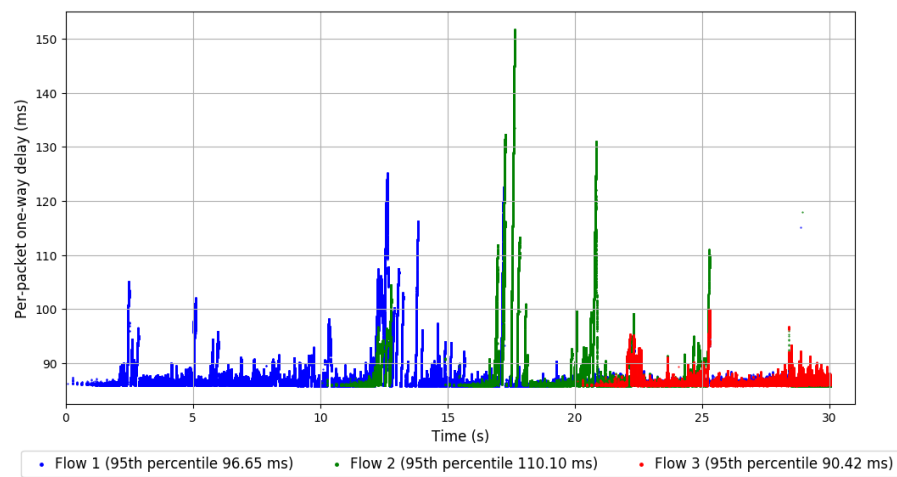
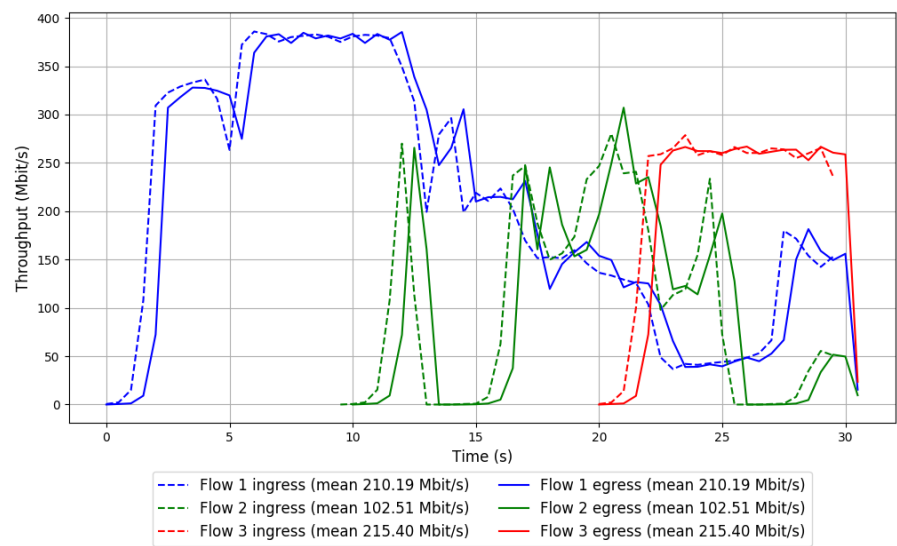
-- Flow 3:

Average throughput: 215.40 Mbit/s

95th percentile per-packet one-way delay: 90.417 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

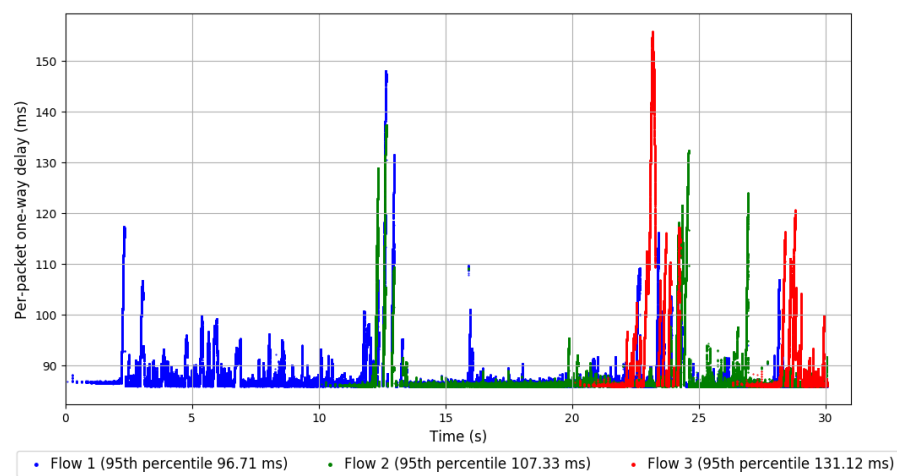
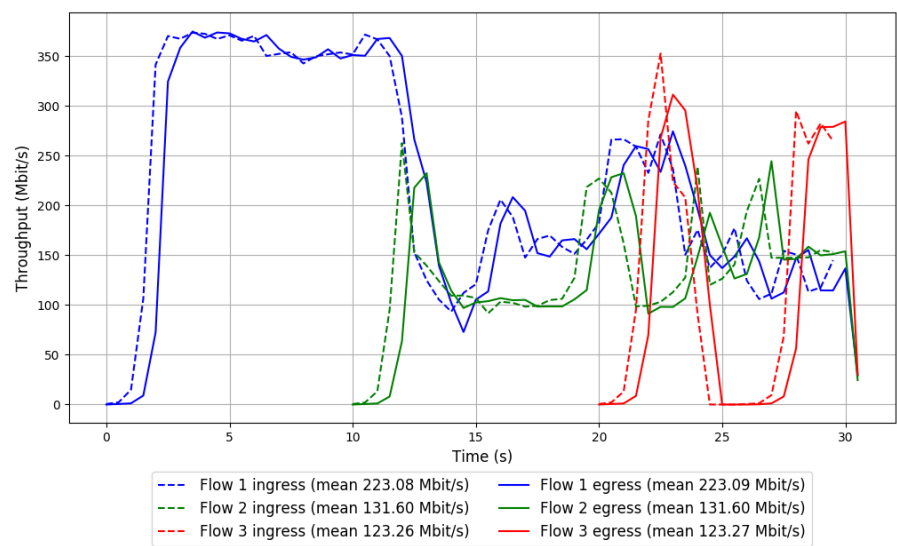


Run 2: Statistics of Copa

Start at: 2018-08-10 02:57:26  
End at: 2018-08-10 02:57:56  
Local clock offset: -0.155 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-08-10 07:35:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 351.73 Mbit/s  
95th percentile per-packet one-way delay: 105.112 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 223.09 Mbit/s  
95th percentile per-packet one-way delay: 96.713 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 131.60 Mbit/s  
95th percentile per-packet one-way delay: 107.326 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 123.27 Mbit/s  
95th percentile per-packet one-way delay: 131.117 ms  
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-10 03:24:42

End at: 2018-08-10 03:25:12

Local clock offset: -0.36 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-08-10 07:35:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 304.64 Mbit/s

95th percentile per-packet one-way delay: 121.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 167.14 Mbit/s

95th percentile per-packet one-way delay: 126.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 161.55 Mbit/s

95th percentile per-packet one-way delay: 98.167 ms

Loss rate: 0.00%

-- Flow 3:

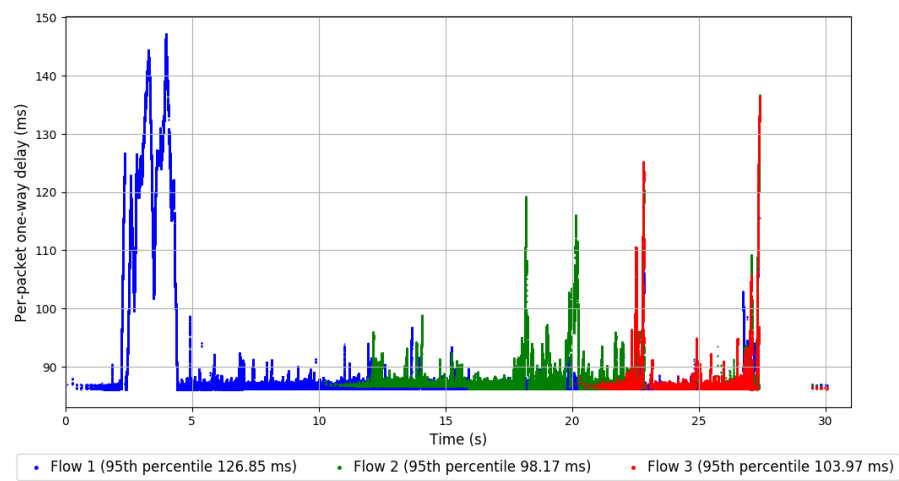
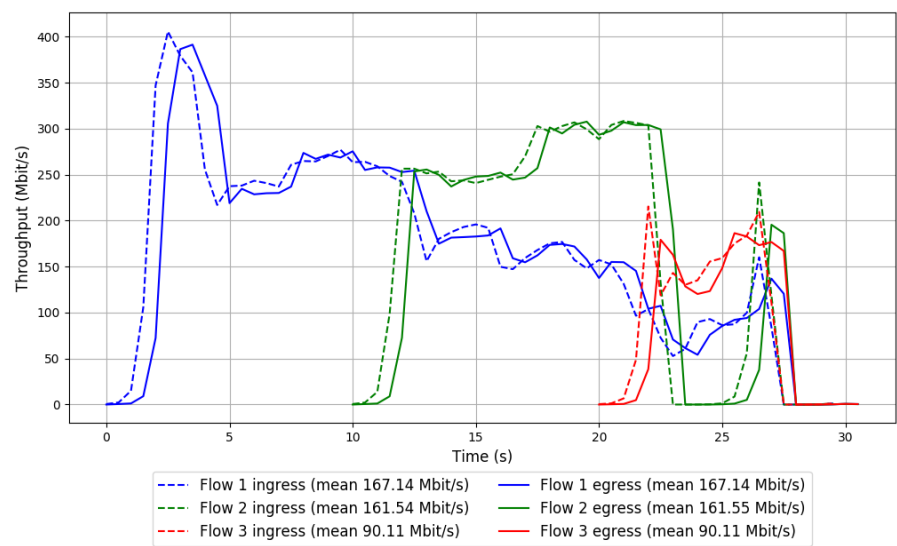
Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 103.975 ms

Loss rate: 0.01%



Run 3: Report of Copa — Data Link

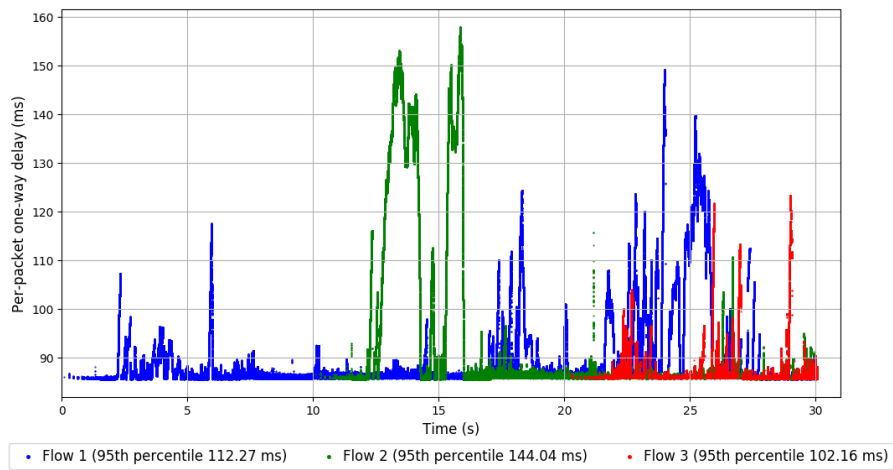
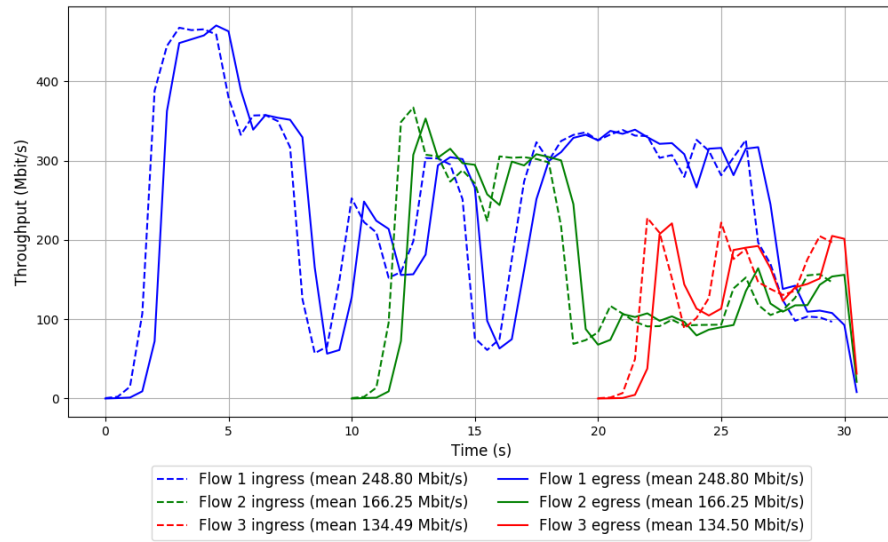


Run 4: Statistics of Copa

Start at: 2018-08-10 03:52:02  
End at: 2018-08-10 03:52:32  
Local clock offset: 0.056 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-08-10 07:37:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 404.14 Mbit/s  
95th percentile per-packet one-way delay: 126.269 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 248.80 Mbit/s  
95th percentile per-packet one-way delay: 112.265 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 166.25 Mbit/s  
95th percentile per-packet one-way delay: 144.045 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 134.50 Mbit/s  
95th percentile per-packet one-way delay: 102.160 ms  
Loss rate: 0.00%

#### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-10 04:19:26

End at: 2018-08-10 04:19:56

Local clock offset: -0.046 ms

Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-08-10 07:37:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 311.65 Mbit/s

95th percentile per-packet one-way delay: 104.874 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 181.75 Mbit/s

95th percentile per-packet one-way delay: 90.991 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 205.46 Mbit/s

95th percentile per-packet one-way delay: 106.956 ms

Loss rate: 0.00%

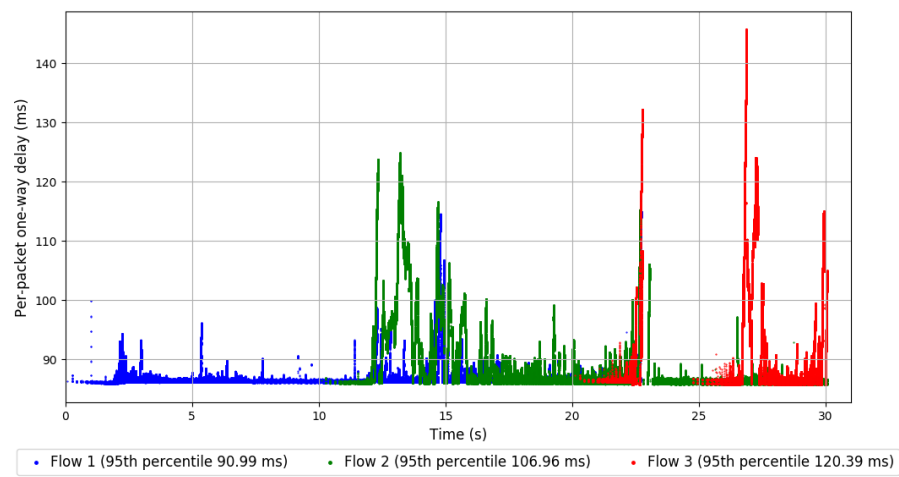
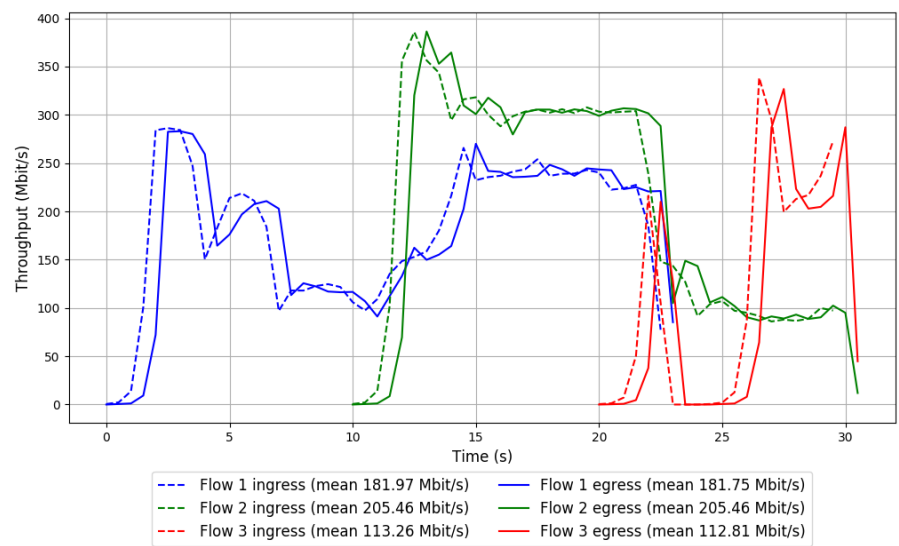
-- Flow 3:

Average throughput: 112.81 Mbit/s

95th percentile per-packet one-way delay: 120.395 ms

Loss rate: 0.40%

Run 5: Report of Copa — Data Link

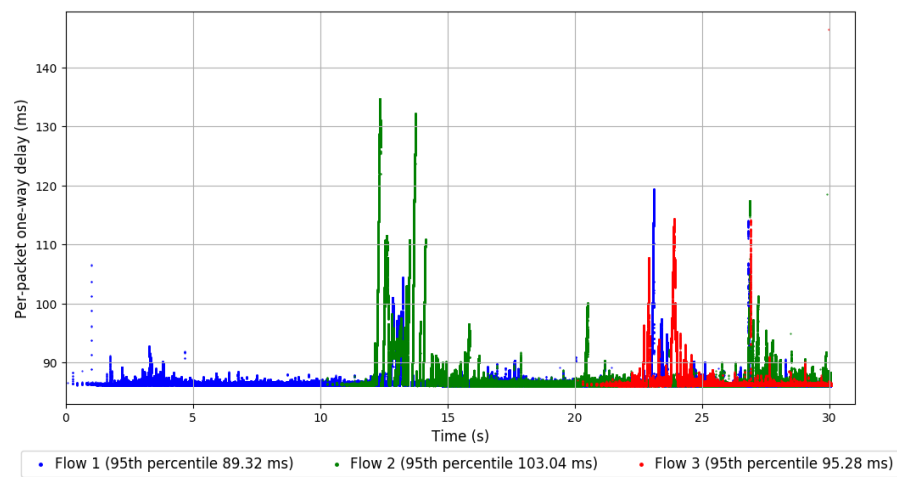
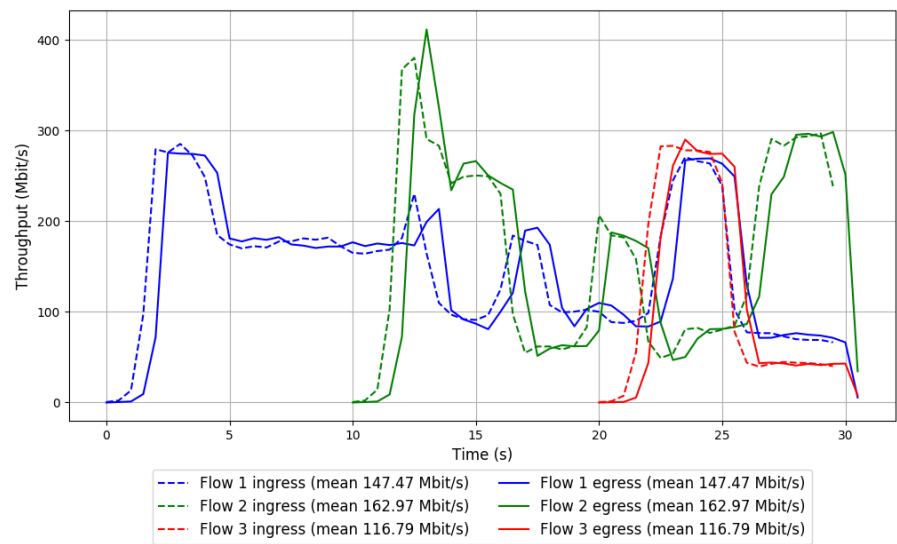


Run 6: Statistics of Copa

Start at: 2018-08-10 04:46:34  
End at: 2018-08-10 04:47:04  
Local clock offset: -0.36 ms  
Remote clock offset: -0.042 ms

```
# Below is generated by plot.py at 2018-08-10 07:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.67 Mbit/s
95th percentile per-packet one-way delay: 94.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.47 Mbit/s
95th percentile per-packet one-way delay: 89.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.97 Mbit/s
95th percentile per-packet one-way delay: 103.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.79 Mbit/s
95th percentile per-packet one-way delay: 95.282 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



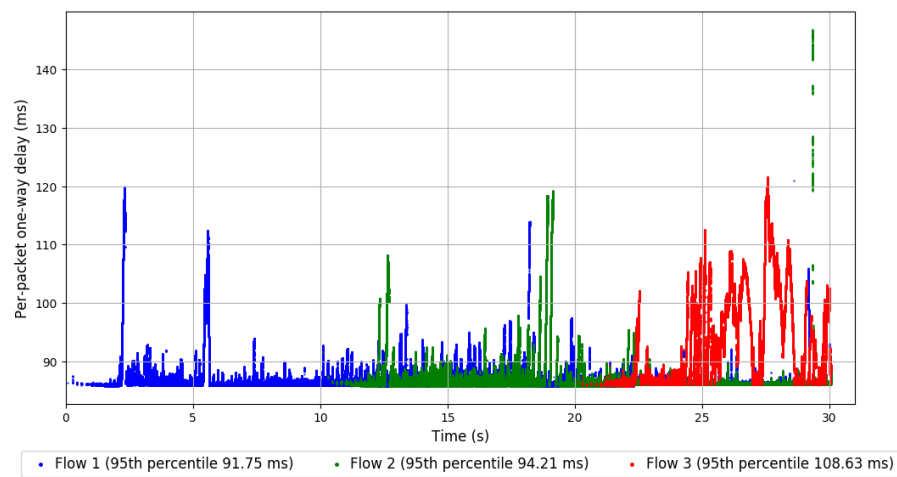
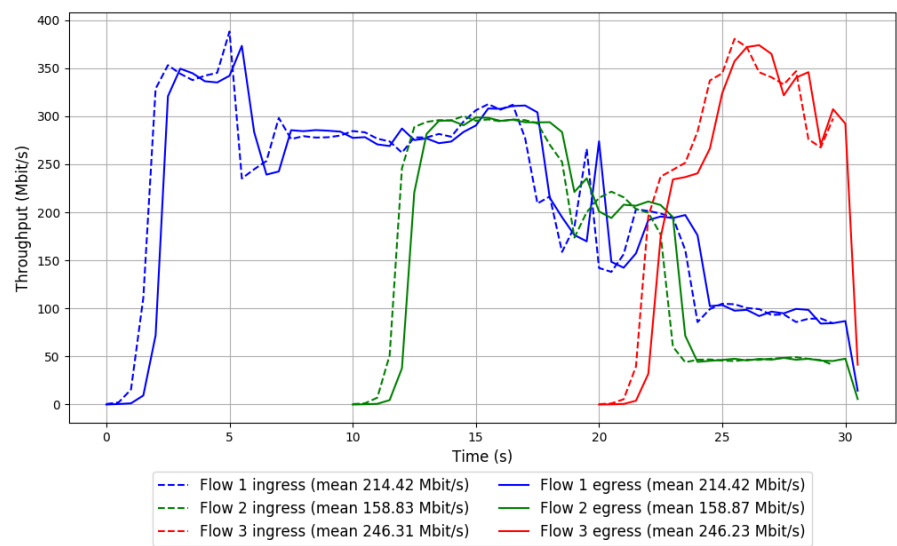
Run 7: Statistics of Copa

Start at: 2018-08-10 05:13:36  
End at: 2018-08-10 05:14:06  
Local clock offset: -0.136 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 401.91 Mbit/s  
95th percentile per-packet one-way delay: 102.949 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 214.42 Mbit/s  
95th percentile per-packet one-way delay: 91.753 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 158.87 Mbit/s  
95th percentile per-packet one-way delay: 94.208 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 246.23 Mbit/s  
95th percentile per-packet one-way delay: 108.634 ms  
Loss rate: 0.03%



Run 7: Report of Copa — Data Link

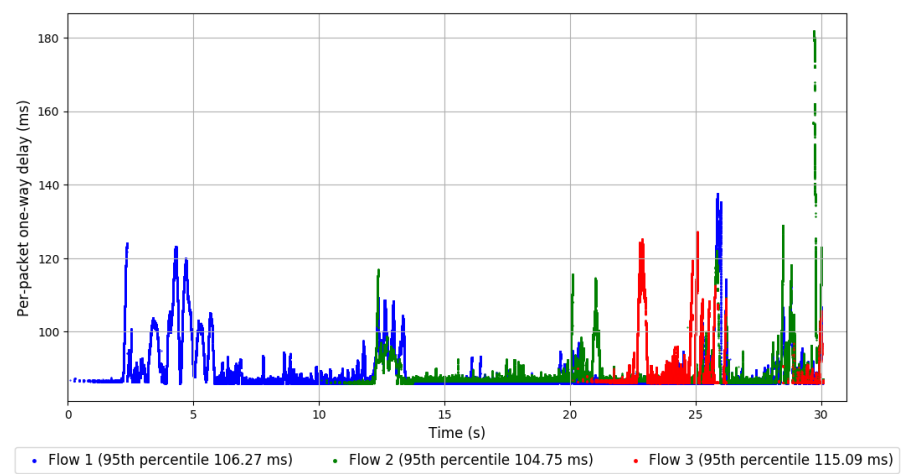
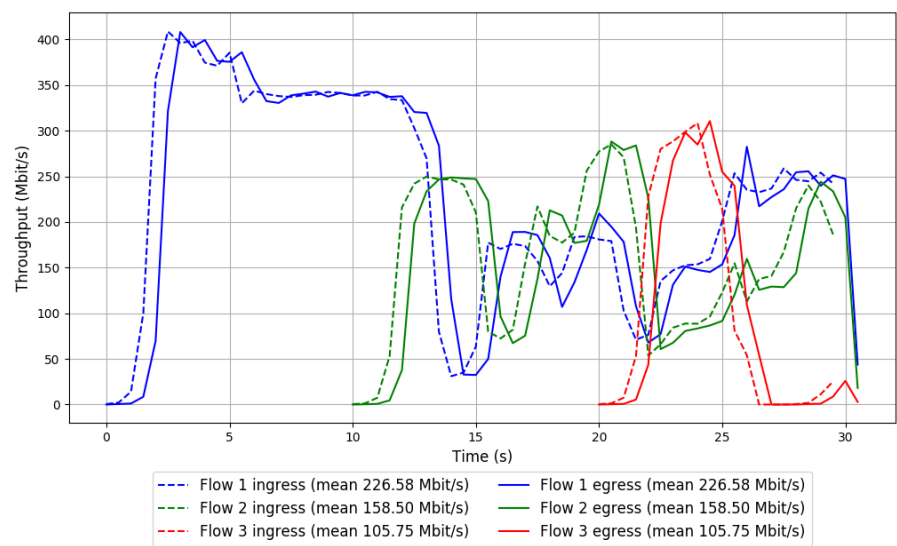


Run 8: Statistics of Copa

Start at: 2018-08-10 05:40:55  
End at: 2018-08-10 05:41:25  
Local clock offset: -0.158 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 367.27 Mbit/s  
95th percentile per-packet one-way delay: 107.825 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 226.58 Mbit/s  
95th percentile per-packet one-way delay: 106.274 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 158.50 Mbit/s  
95th percentile per-packet one-way delay: 104.746 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 105.75 Mbit/s  
95th percentile per-packet one-way delay: 115.090 ms  
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

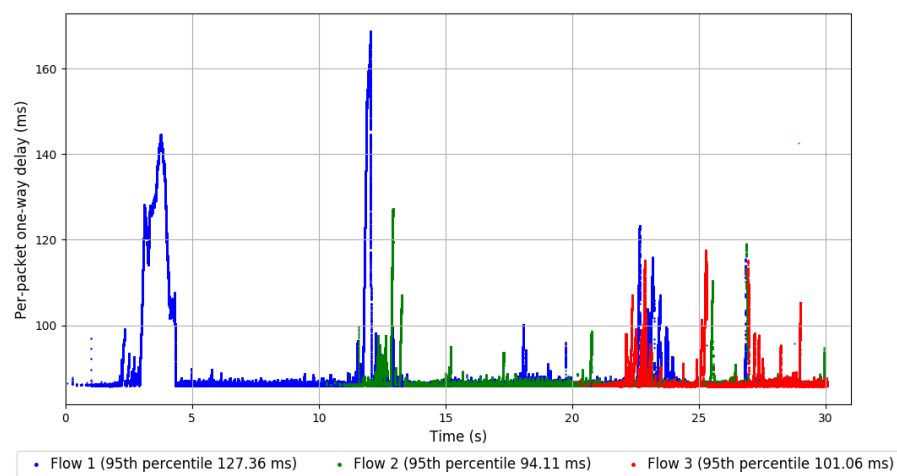
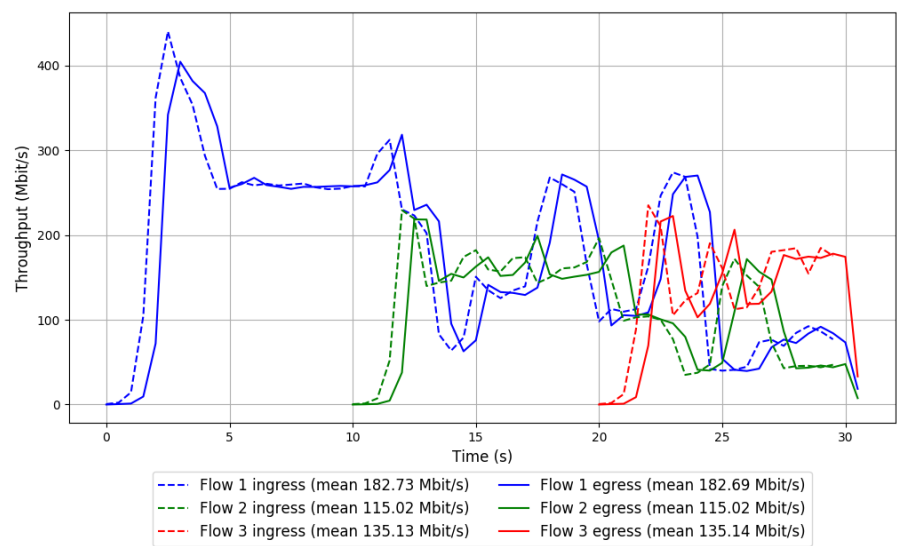


Run 9: Statistics of Copa

Start at: 2018-08-10 06:07:57  
End at: 2018-08-10 06:08:27  
Local clock offset: -0.118 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 304.10 Mbit/s  
95th percentile per-packet one-way delay: 115.649 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 182.69 Mbit/s  
95th percentile per-packet one-way delay: 127.359 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 115.02 Mbit/s  
95th percentile per-packet one-way delay: 94.115 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 135.14 Mbit/s  
95th percentile per-packet one-way delay: 101.062 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

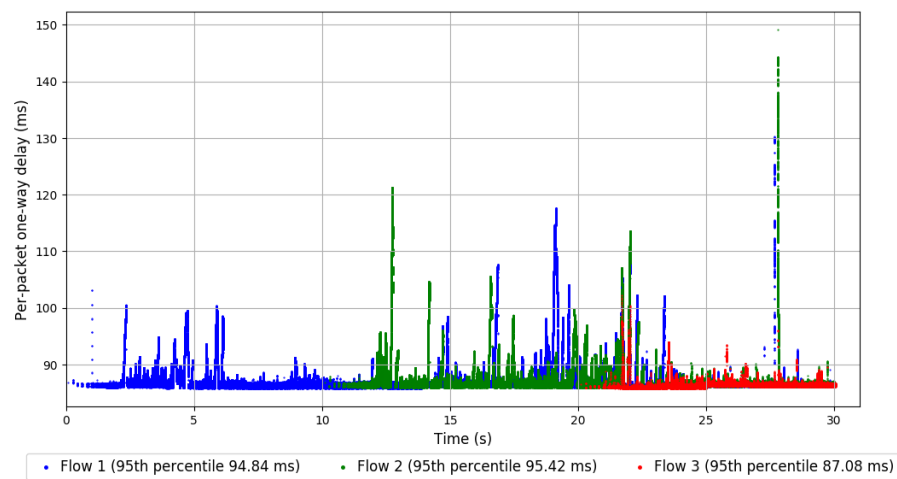
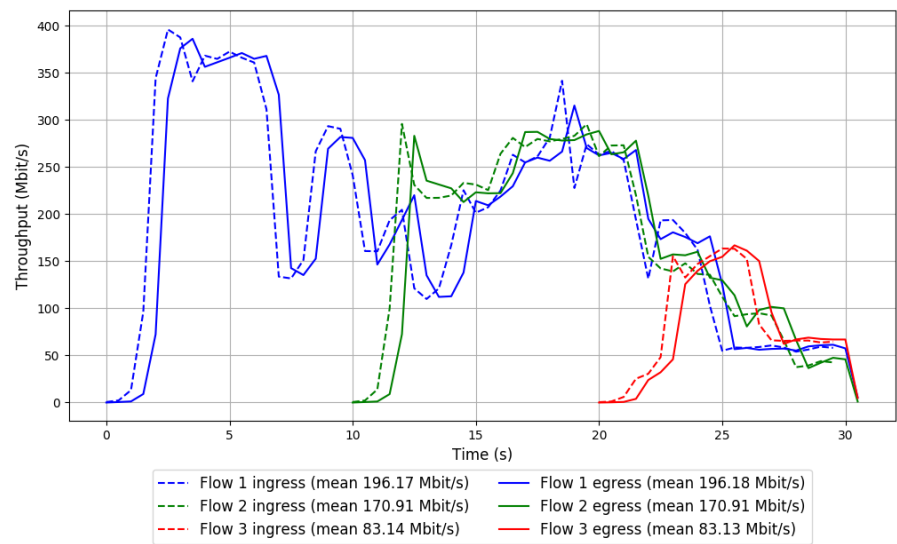


Run 10: Statistics of Copa

Start at: 2018-08-10 06:35:04  
End at: 2018-08-10 06:35:34  
Local clock offset: -0.234 ms  
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 337.54 Mbit/s  
95th percentile per-packet one-way delay: 94.656 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 196.18 Mbit/s  
95th percentile per-packet one-way delay: 94.844 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 170.91 Mbit/s  
95th percentile per-packet one-way delay: 95.421 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 83.13 Mbit/s  
95th percentile per-packet one-way delay: 87.083 ms  
Loss rate: 0.01%

Run 10: Report of Copa — Data Link



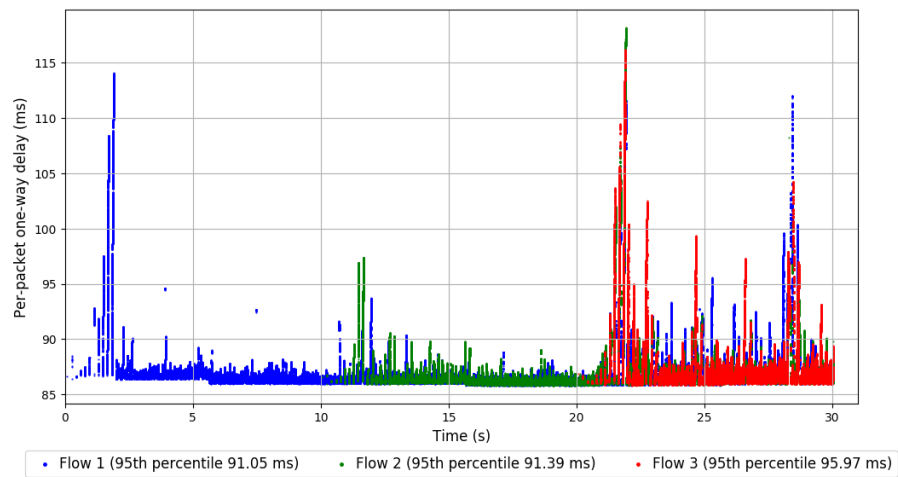
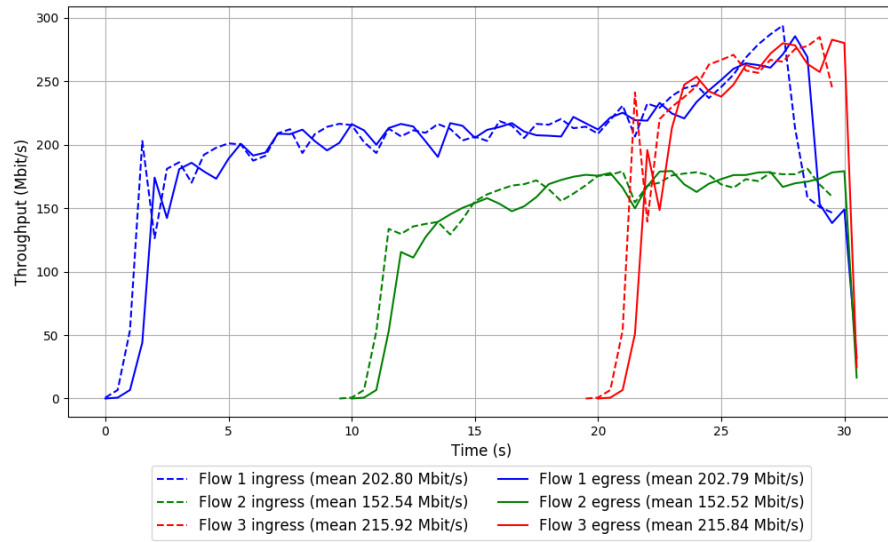
Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 02:21:23  
End at: 2018-08-10 02:21:53  
Local clock offset: -0.042 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 376.30 Mbit/s  
95th percentile per-packet one-way delay: 92.189 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 202.79 Mbit/s  
95th percentile per-packet one-way delay: 91.045 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 152.52 Mbit/s  
95th percentile per-packet one-way delay: 91.395 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 215.84 Mbit/s  
95th percentile per-packet one-way delay: 95.968 ms  
Loss rate: 0.04%



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

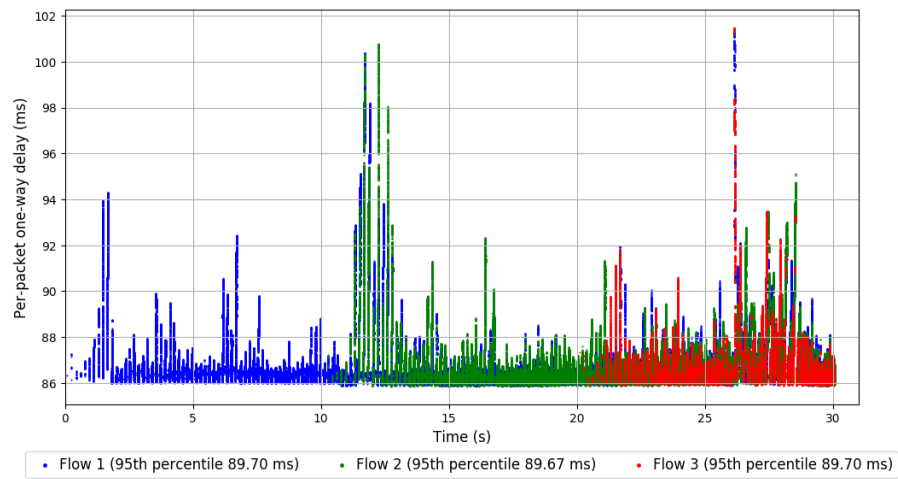
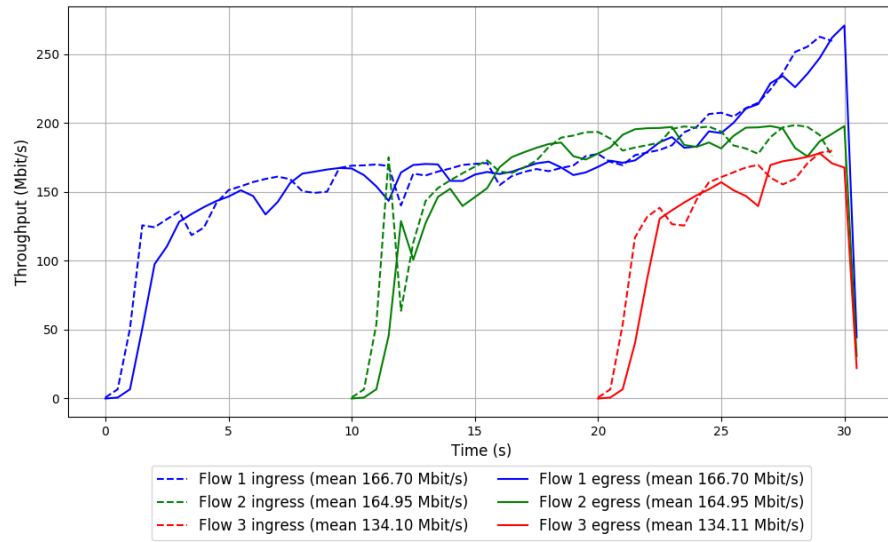


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 02:48:38  
End at: 2018-08-10 02:49:08  
Local clock offset: -0.118 ms  
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 321.10 Mbit/s  
95th percentile per-packet one-way delay: 89.692 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 166.70 Mbit/s  
95th percentile per-packet one-way delay: 89.702 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 164.95 Mbit/s  
95th percentile per-packet one-way delay: 89.668 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 134.11 Mbit/s  
95th percentile per-packet one-way delay: 89.703 ms  
Loss rate: 0.00%

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

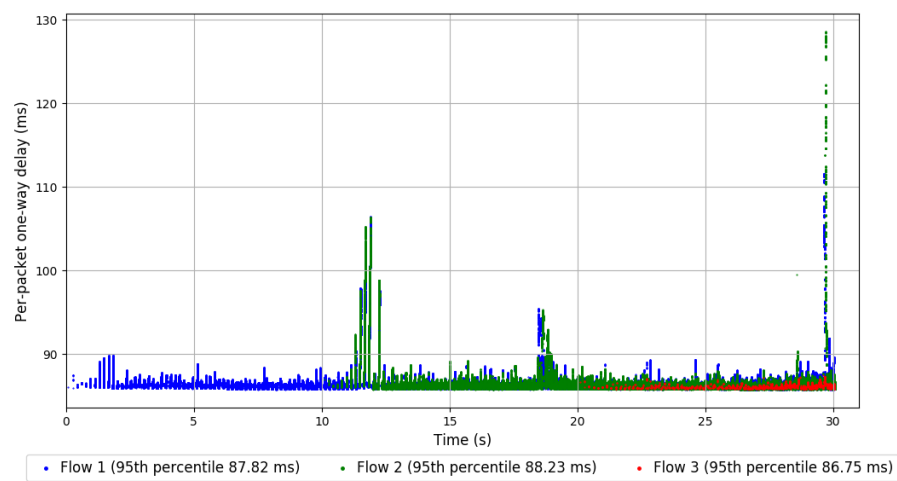
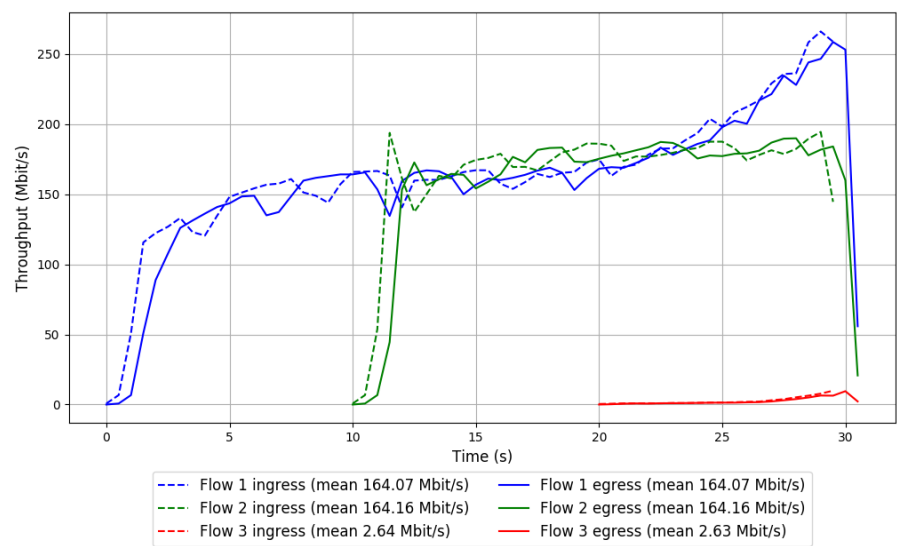


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 03:15:42  
End at: 2018-08-10 03:16:12  
Local clock offset: 0.057 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 274.29 Mbit/s  
95th percentile per-packet one-way delay: 87.951 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 164.07 Mbit/s  
95th percentile per-packet one-way delay: 87.818 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 164.16 Mbit/s  
95th percentile per-packet one-way delay: 88.233 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 2.63 Mbit/s  
95th percentile per-packet one-way delay: 86.748 ms  
Loss rate: 0.32%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 03:42:48

End at: 2018-08-10 03:43:18

Local clock offset: 0.093 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-08-10 07:46:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 353.68 Mbit/s

95th percentile per-packet one-way delay: 96.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 289.37 Mbit/s

95th percentile per-packet one-way delay: 99.860 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 87.162 ms

Loss rate: 0.00%

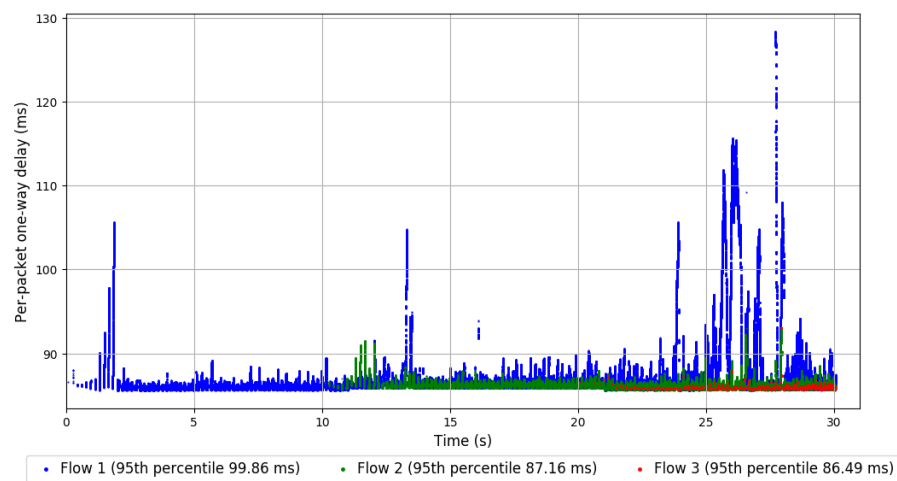
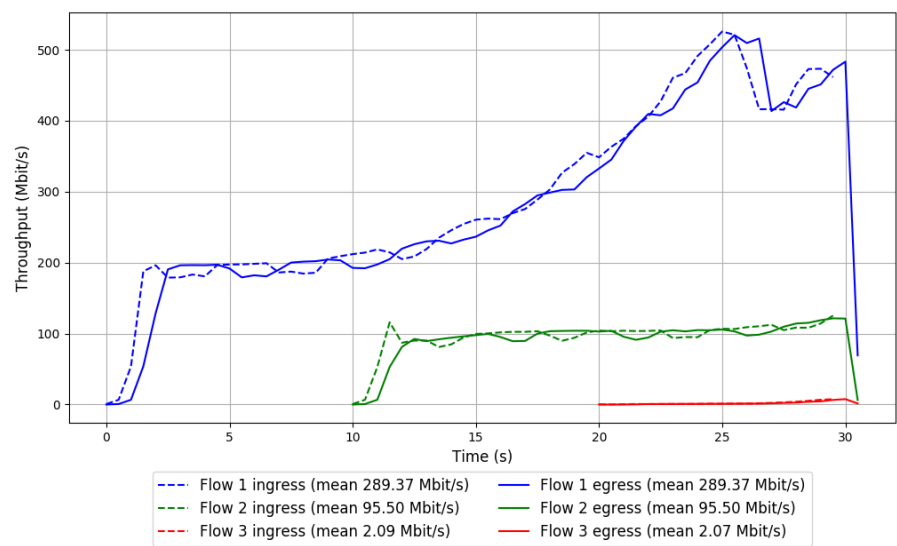
-- Flow 3:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 86.493 ms

Loss rate: 0.58%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 04:10:25

End at: 2018-08-10 04:10:55

Local clock offset: -0.132 ms

Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-08-10 07:46:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 285.77 Mbit/s

95th percentile per-packet one-way delay: 88.401 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.86 Mbit/s

95th percentile per-packet one-way delay: 88.087 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.66 Mbit/s

95th percentile per-packet one-way delay: 88.696 ms

Loss rate: 0.00%

-- Flow 3:

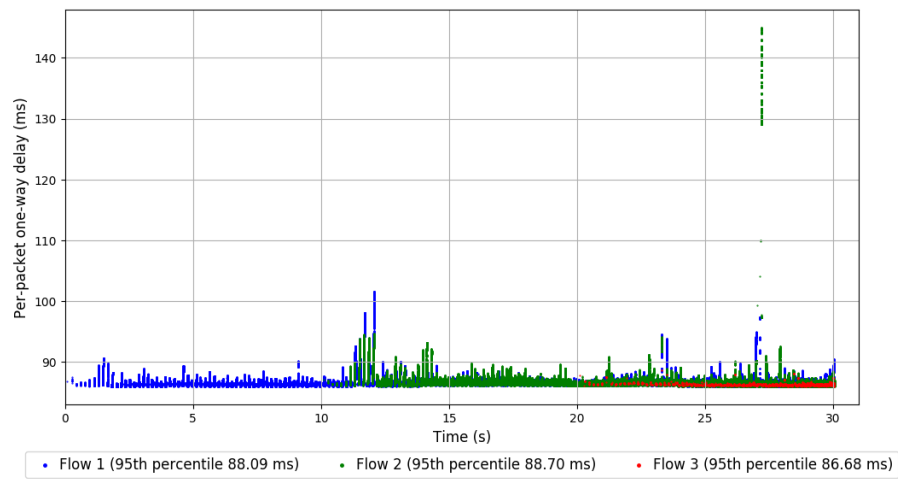
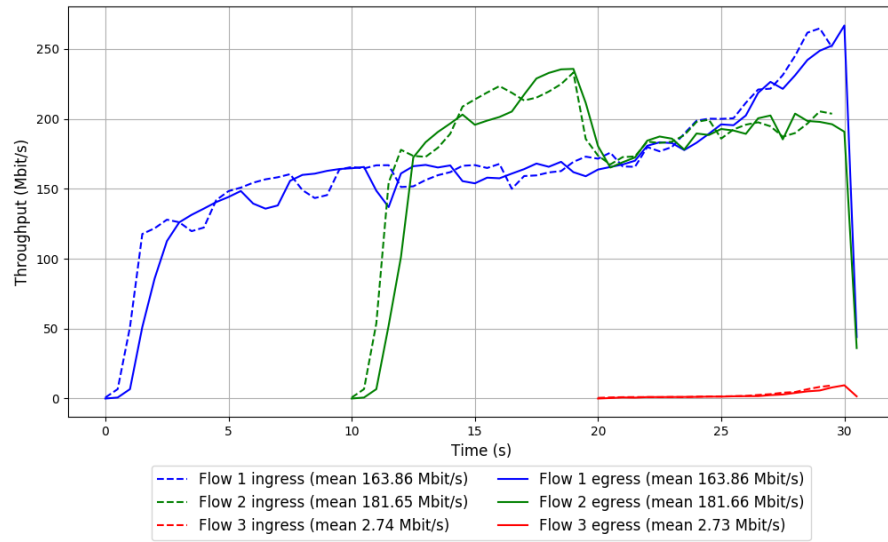
Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 86.682 ms

Loss rate: 0.22%



# Run 5: Report of TCP Cubic — Data Link

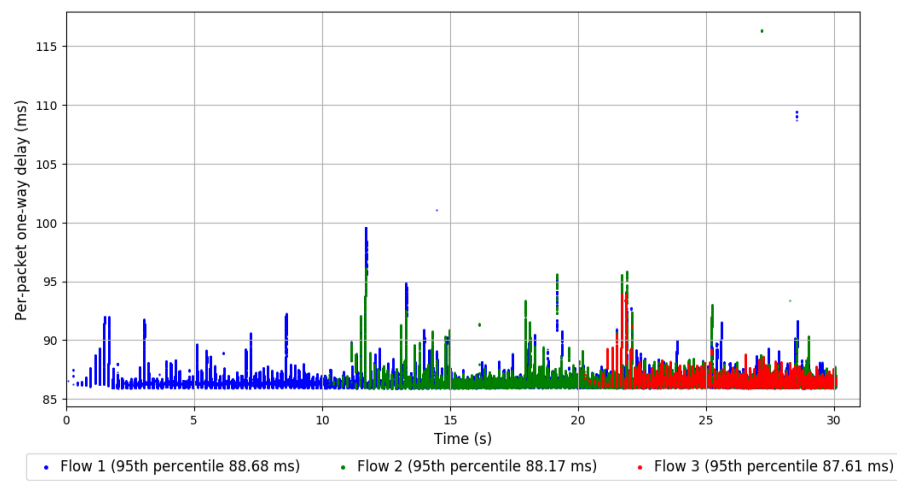
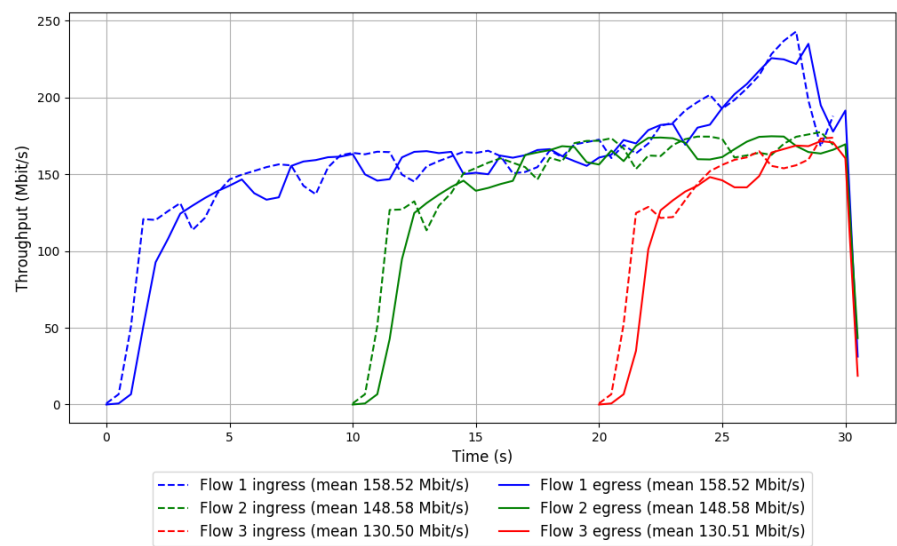


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 04:37:30  
End at: 2018-08-10 04:38:00  
Local clock offset: -0.078 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 300.81 Mbit/s  
95th percentile per-packet one-way delay: 88.326 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 158.52 Mbit/s  
95th percentile per-packet one-way delay: 88.678 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 148.58 Mbit/s  
95th percentile per-packet one-way delay: 88.169 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 130.51 Mbit/s  
95th percentile per-packet one-way delay: 87.614 ms  
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

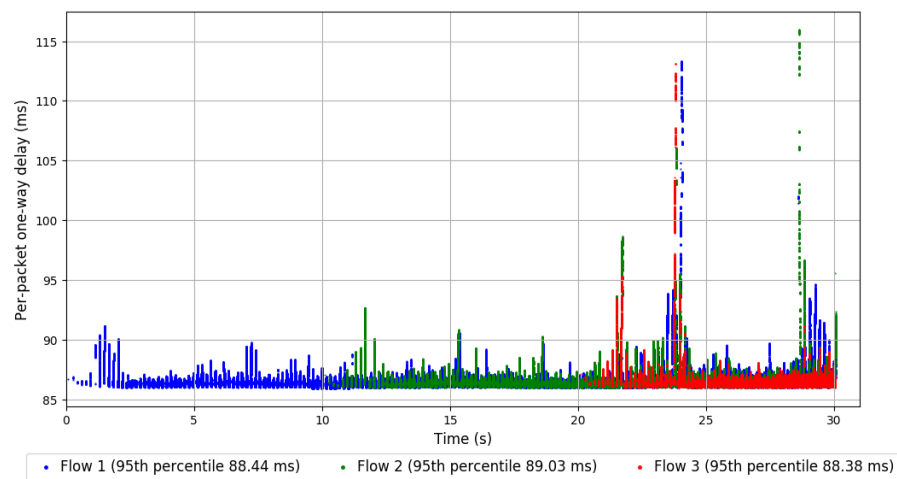
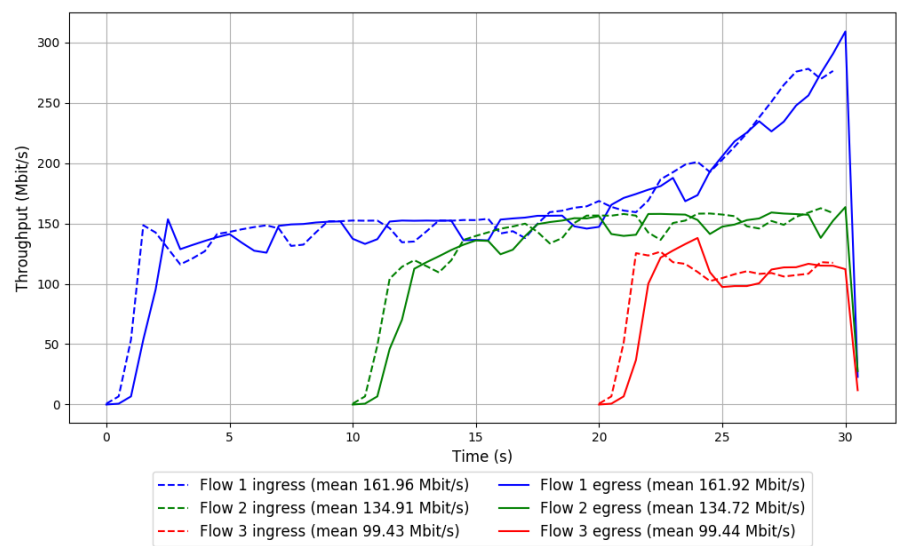


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 05:04:37  
End at: 2018-08-10 05:05:07  
Local clock offset: -0.177 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 07:46:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 284.63 Mbit/s  
95th percentile per-packet one-way delay: 88.640 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 161.92 Mbit/s  
95th percentile per-packet one-way delay: 88.435 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 134.72 Mbit/s  
95th percentile per-packet one-way delay: 89.027 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 99.44 Mbit/s  
95th percentile per-packet one-way delay: 88.384 ms  
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

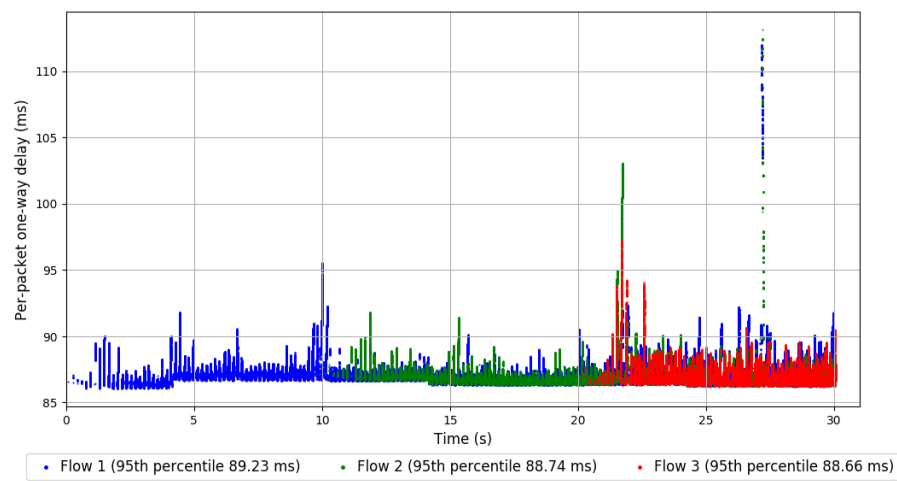
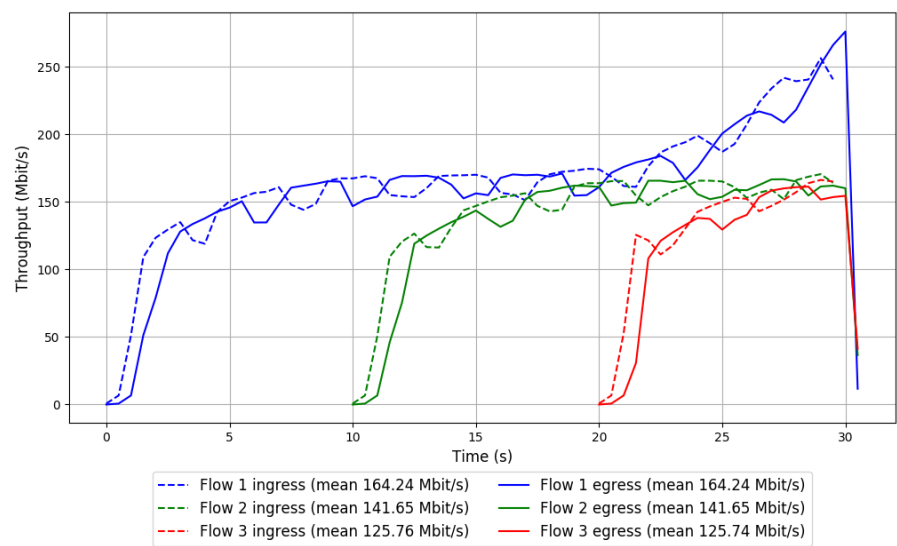


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 05:31:54  
End at: 2018-08-10 05:32:24  
Local clock offset: -0.357 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-10 07:49:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 300.35 Mbit/s  
95th percentile per-packet one-way delay: 89.007 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 164.24 Mbit/s  
95th percentile per-packet one-way delay: 89.230 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 141.65 Mbit/s  
95th percentile per-packet one-way delay: 88.741 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 125.74 Mbit/s  
95th percentile per-packet one-way delay: 88.657 ms  
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



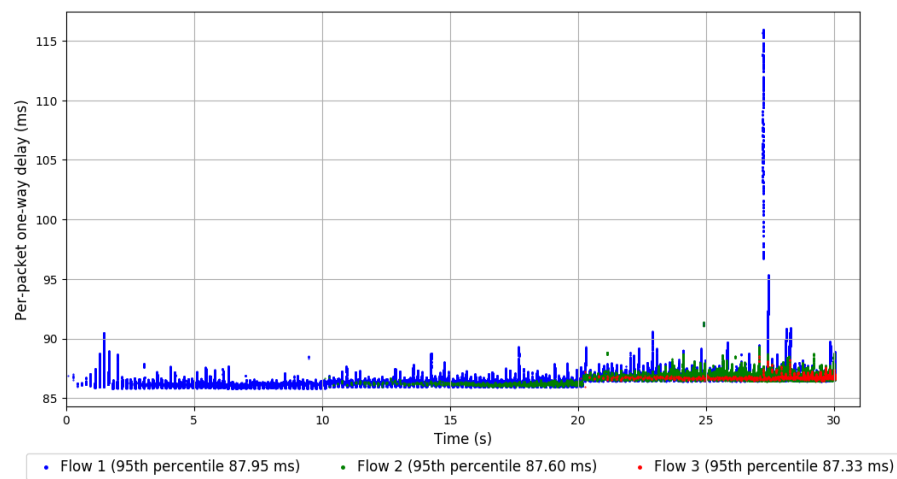
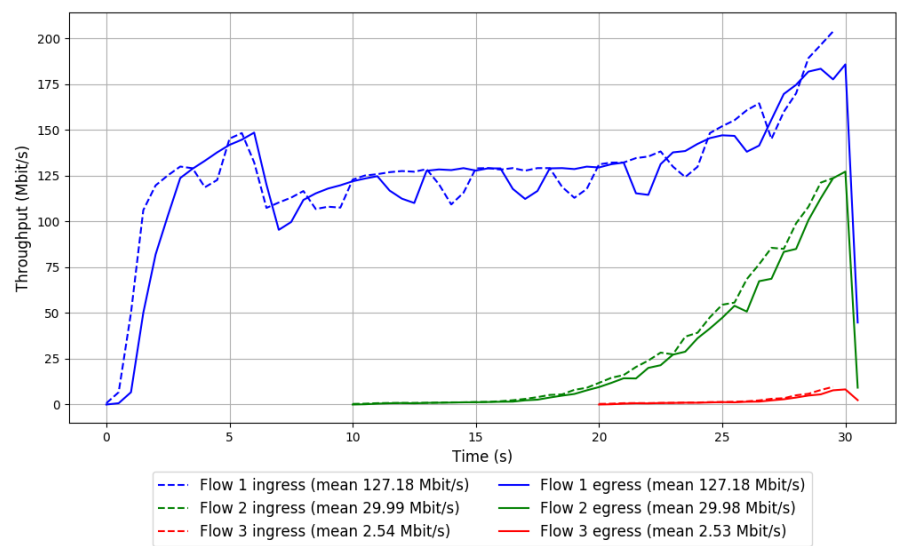
Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 05:59:08  
End at: 2018-08-10 05:59:38  
Local clock offset: -0.056 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-08-10 07:49:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 147.94 Mbit/s  
95th percentile per-packet one-way delay: 87.838 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 127.18 Mbit/s  
95th percentile per-packet one-way delay: 87.951 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 29.98 Mbit/s  
95th percentile per-packet one-way delay: 87.596 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 87.330 ms  
Loss rate: 0.38%



Run 9: Report of TCP Cubic — Data Link

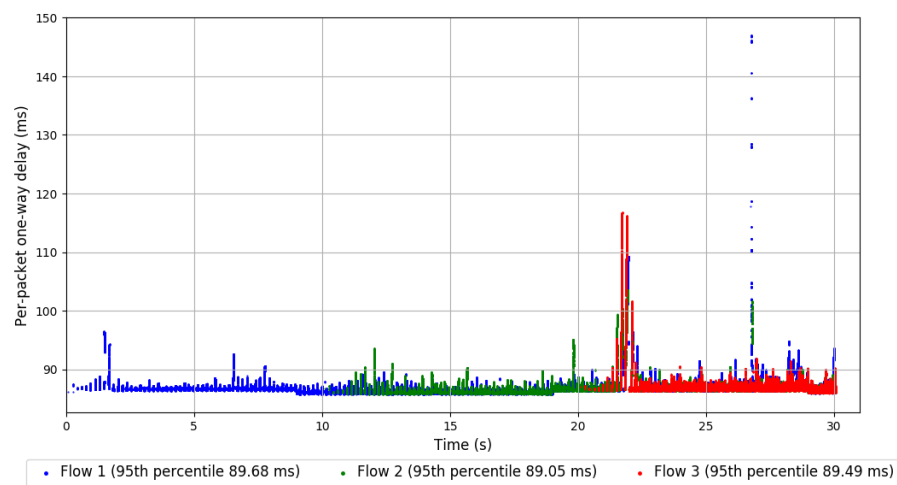
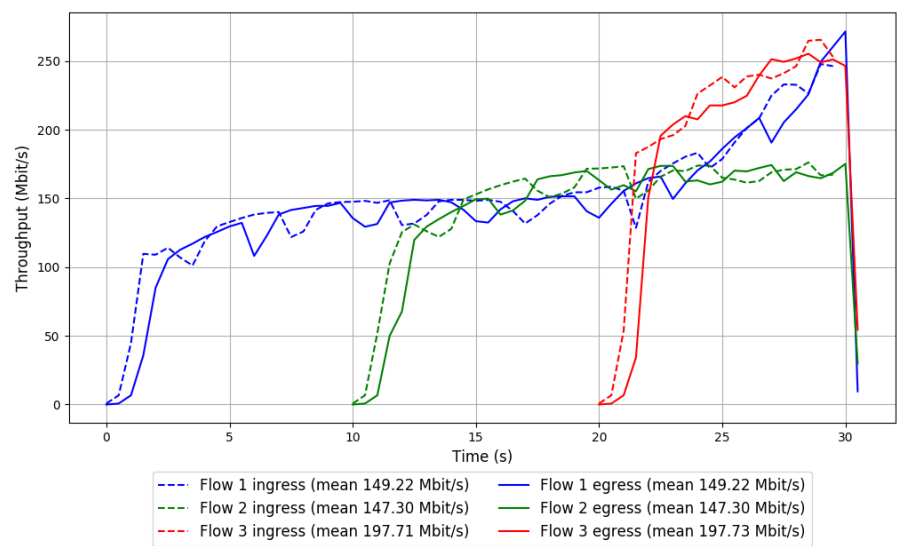


Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 06:26:00  
End at: 2018-08-10 06:26:30  
Local clock offset: -0.055 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-08-10 07:50:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 313.02 Mbit/s  
95th percentile per-packet one-way delay: 89.495 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 149.22 Mbit/s  
95th percentile per-packet one-way delay: 89.682 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 147.30 Mbit/s  
95th percentile per-packet one-way delay: 89.052 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 197.73 Mbit/s  
95th percentile per-packet one-way delay: 89.489 ms  
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

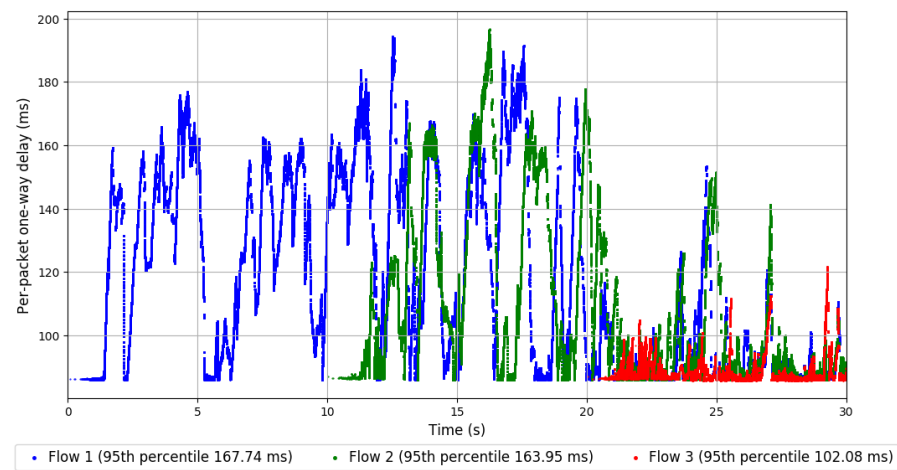
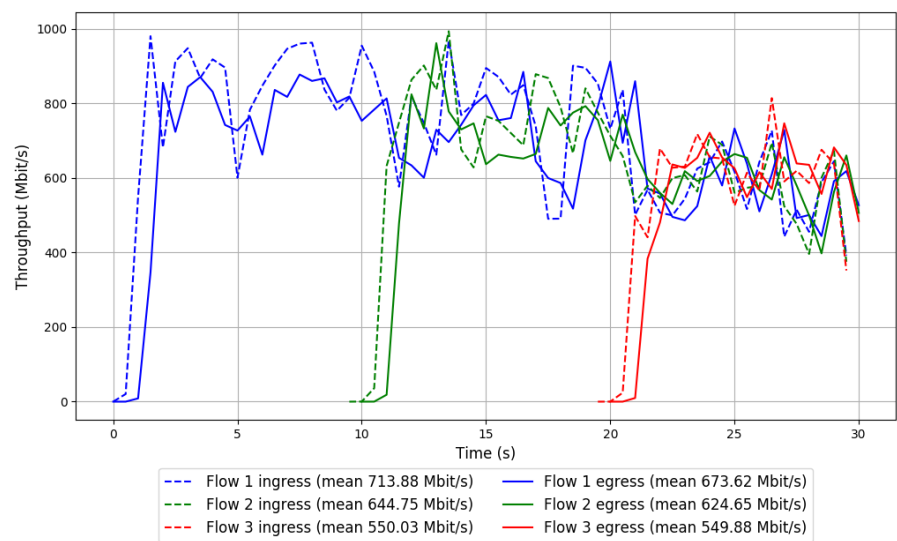


Run 1: Statistics of FillP

Start at: 2018-08-10 02:42:05  
End at: 2018-08-10 02:42:35  
Local clock offset: -0.04 ms  
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-08-10 08:11:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1272.96 Mbit/s  
95th percentile per-packet one-way delay: 164.603 ms  
Loss rate: 4.05%  
-- Flow 1:  
Average throughput: 673.62 Mbit/s  
95th percentile per-packet one-way delay: 167.738 ms  
Loss rate: 5.64%  
-- Flow 2:  
Average throughput: 624.65 Mbit/s  
95th percentile per-packet one-way delay: 163.950 ms  
Loss rate: 3.12%  
-- Flow 3:  
Average throughput: 549.88 Mbit/s  
95th percentile per-packet one-way delay: 102.083 ms  
Loss rate: 0.01%

Run 1: Report of FillP — Data Link

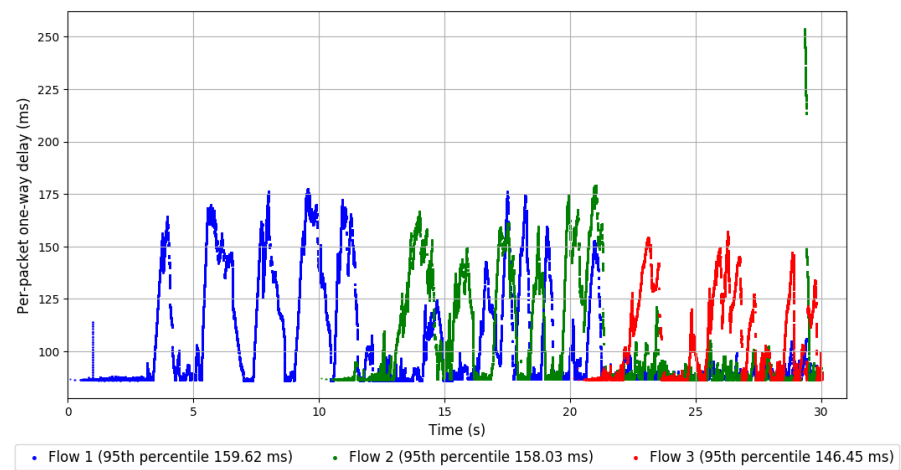
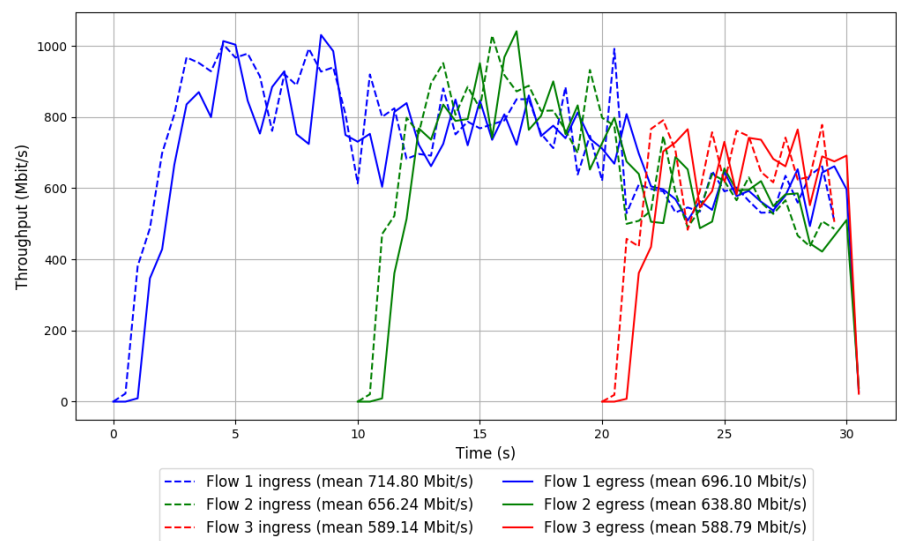


Run 2: Statistics of FillP

Start at: 2018-08-10 03:09:13  
End at: 2018-08-10 03:09:43  
Local clock offset: -0.119 ms  
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-08-10 08:13:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1316.24 Mbit/s  
95th percentile per-packet one-way delay: 156.820 ms  
Loss rate: 2.26%  
-- Flow 1:  
Average throughput: 696.10 Mbit/s  
95th percentile per-packet one-way delay: 159.619 ms  
Loss rate: 2.61%  
-- Flow 2:  
Average throughput: 638.80 Mbit/s  
95th percentile per-packet one-way delay: 158.028 ms  
Loss rate: 2.66%  
-- Flow 3:  
Average throughput: 588.79 Mbit/s  
95th percentile per-packet one-way delay: 146.451 ms  
Loss rate: 0.05%

Run 2: Report of FillP — Data Link



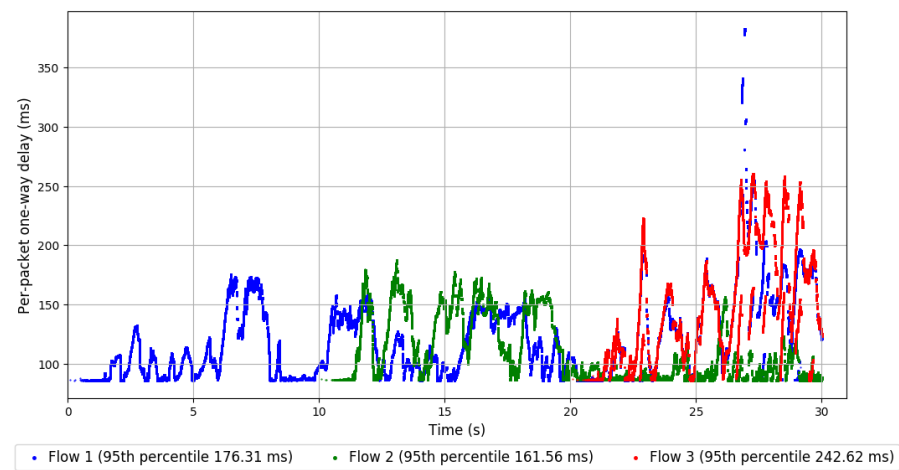
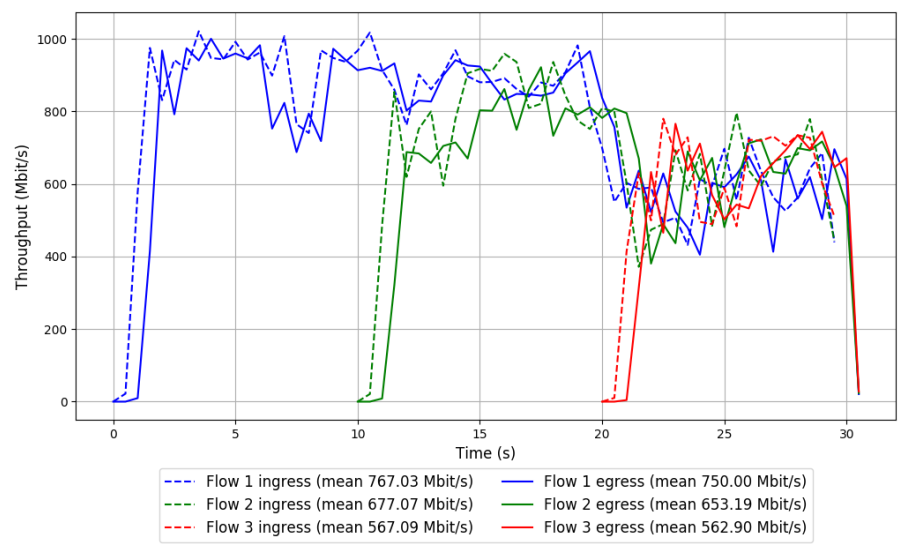
Run 3: Statistics of FillP

Start at: 2018-08-10 03:36:15  
End at: 2018-08-10 03:36:45  
Local clock offset: -0.079 ms  
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-08-10 08:14:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1371.49 Mbit/s  
95th percentile per-packet one-way delay: 189.293 ms  
Loss rate: 2.44%  
-- Flow 1:  
Average throughput: 750.00 Mbit/s  
95th percentile per-packet one-way delay: 176.305 ms  
Loss rate: 2.22%  
-- Flow 2:  
Average throughput: 653.19 Mbit/s  
95th percentile per-packet one-way delay: 161.561 ms  
Loss rate: 3.53%  
-- Flow 3:  
Average throughput: 562.90 Mbit/s  
95th percentile per-packet one-way delay: 242.618 ms  
Loss rate: 0.74%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-10 04:03:50

End at: 2018-08-10 04:04:20

Local clock offset: 0.155 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-08-10 08:14:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1340.74 Mbit/s

95th percentile per-packet one-way delay: 166.707 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 724.15 Mbit/s

95th percentile per-packet one-way delay: 165.403 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 661.71 Mbit/s

95th percentile per-packet one-way delay: 149.836 ms

Loss rate: 1.25%

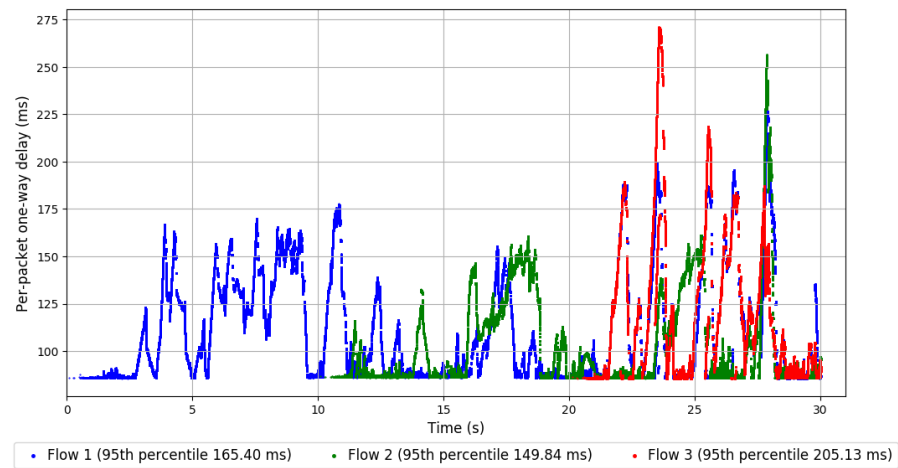
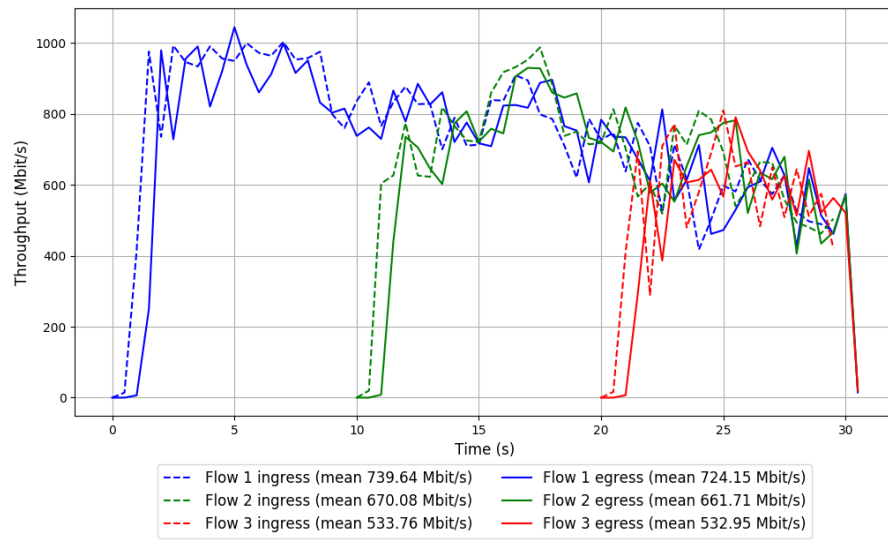
-- Flow 3:

Average throughput: 532.95 Mbit/s

95th percentile per-packet one-way delay: 205.132 ms

Loss rate: 0.13%

# Run 4: Report of FillP — Data Link

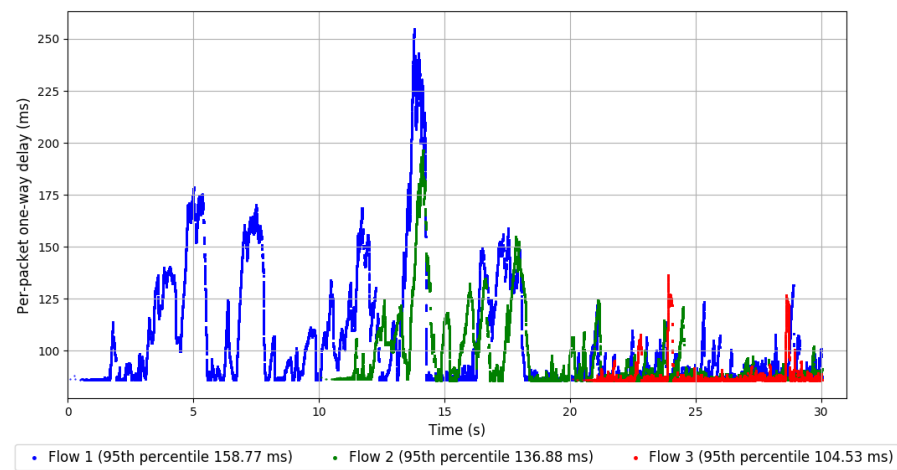
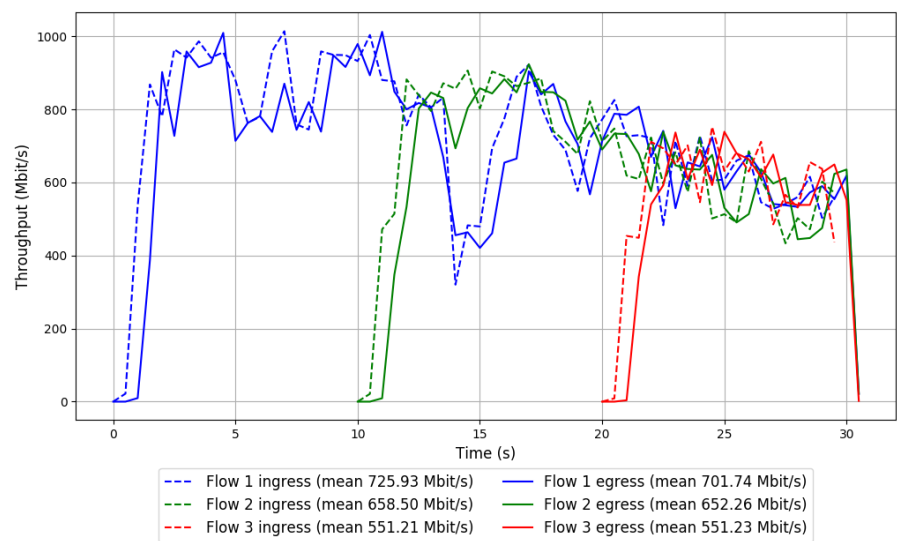


Run 5: Statistics of FillP

Start at: 2018-08-10 04:31:03  
End at: 2018-08-10 04:31:33  
Local clock offset: -0.116 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-10 08:14:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1318.55 Mbit/s  
95th percentile per-packet one-way delay: 151.112 ms  
Loss rate: 2.10%  
-- Flow 1:  
Average throughput: 701.74 Mbit/s  
95th percentile per-packet one-way delay: 158.769 ms  
Loss rate: 3.33%  
-- Flow 2:  
Average throughput: 652.26 Mbit/s  
95th percentile per-packet one-way delay: 136.882 ms  
Loss rate: 0.93%  
-- Flow 3:  
Average throughput: 551.23 Mbit/s  
95th percentile per-packet one-way delay: 104.531 ms  
Loss rate: 0.00%

Run 5: Report of FillP — Data Link

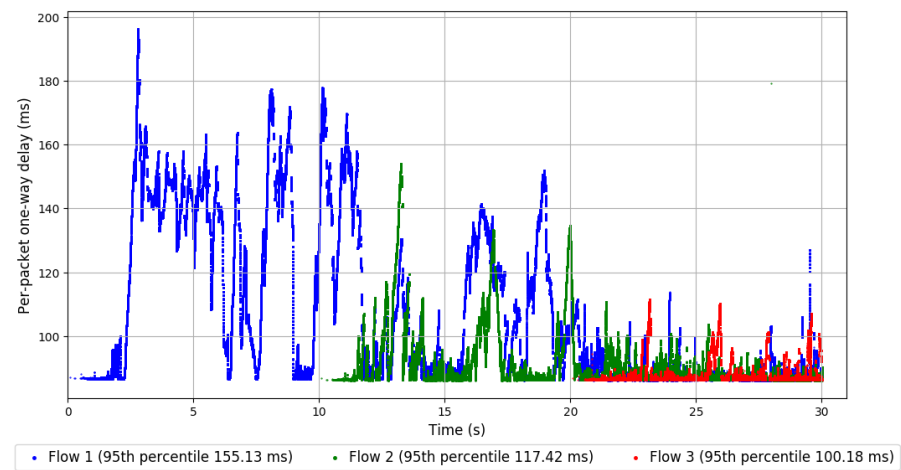
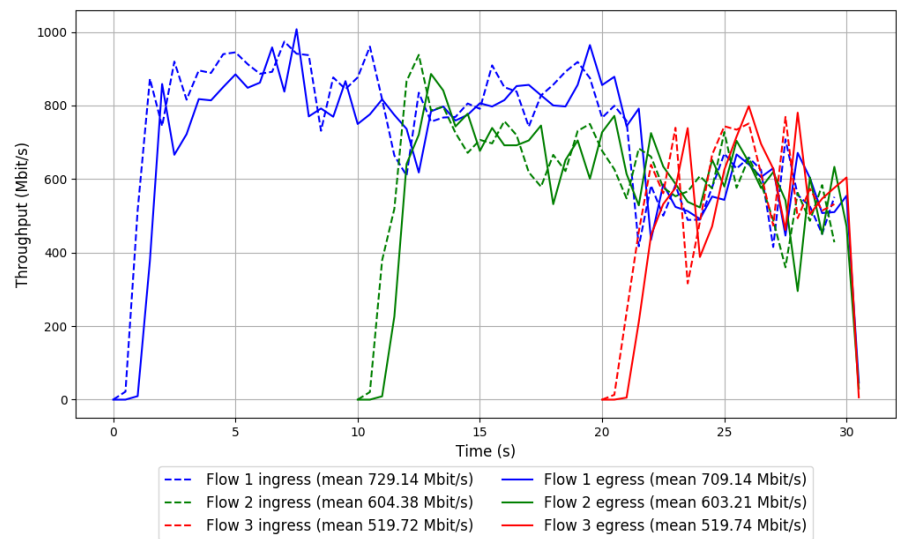


Run 6: Statistics of FillP

Start at: 2018-08-10 04:58:11  
End at: 2018-08-10 04:58:41  
Local clock offset: -0.351 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-08-10 08:14:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1282.69 Mbit/s  
95th percentile per-packet one-way delay: 149.944 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 709.14 Mbit/s  
95th percentile per-packet one-way delay: 155.131 ms  
Loss rate: 2.74%  
-- Flow 2:  
Average throughput: 603.21 Mbit/s  
95th percentile per-packet one-way delay: 117.418 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 519.74 Mbit/s  
95th percentile per-packet one-way delay: 100.182 ms  
Loss rate: 0.00%

Run 6: Report of FillP — Data Link



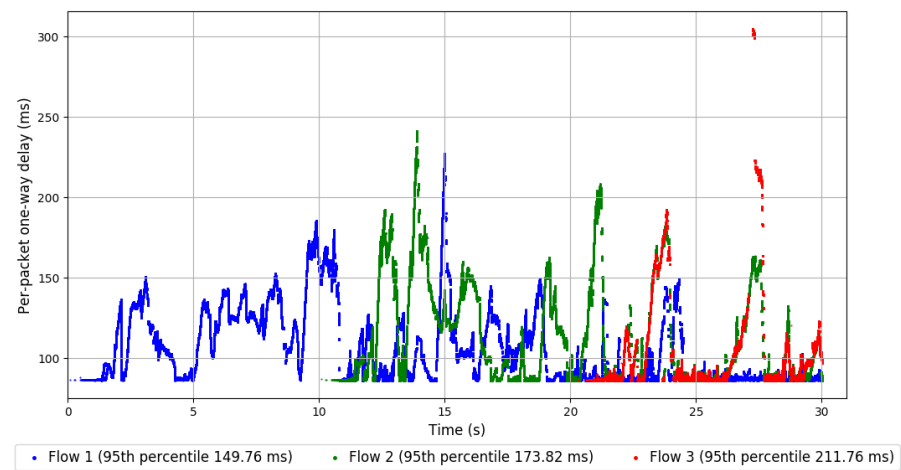
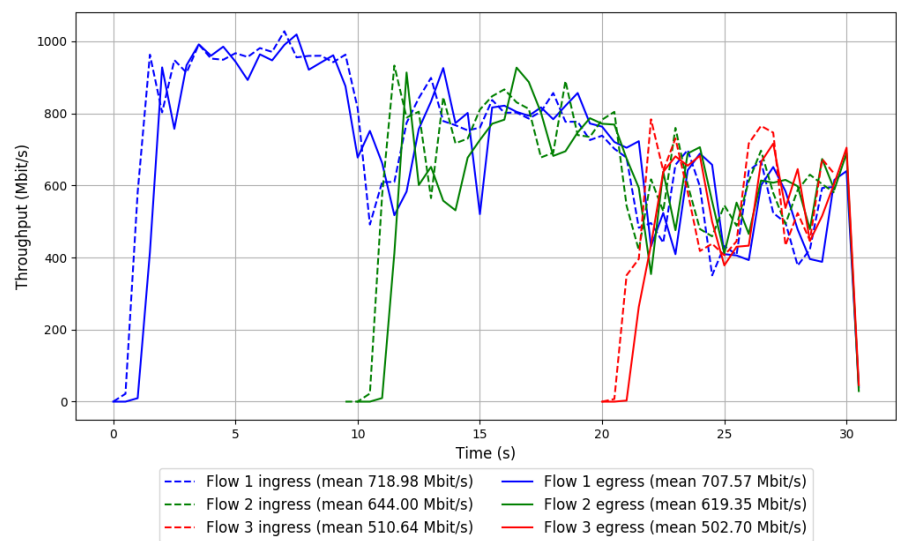
Run 7: Statistics of FillP

Start at: 2018-08-10 05:25:22  
End at: 2018-08-10 05:25:52  
Local clock offset: -0.212 ms  
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-08-10 08:16:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1286.64 Mbit/s  
95th percentile per-packet one-way delay: 165.258 ms  
Loss rate: 2.31%  
-- Flow 1:  
Average throughput: 707.57 Mbit/s  
95th percentile per-packet one-way delay: 149.762 ms  
Loss rate: 1.59%  
-- Flow 2:  
Average throughput: 619.35 Mbit/s  
95th percentile per-packet one-way delay: 173.825 ms  
Loss rate: 3.82%  
-- Flow 3:  
Average throughput: 502.70 Mbit/s  
95th percentile per-packet one-way delay: 211.758 ms  
Loss rate: 1.55%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-10 05:52:37

End at: 2018-08-10 05:53:07

Local clock offset: -0.058 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-08-10 08:18:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1315.02 Mbit/s

95th percentile per-packet one-way delay: 151.307 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 740.20 Mbit/s

95th percentile per-packet one-way delay: 147.950 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 613.76 Mbit/s

95th percentile per-packet one-way delay: 151.265 ms

Loss rate: 0.48%

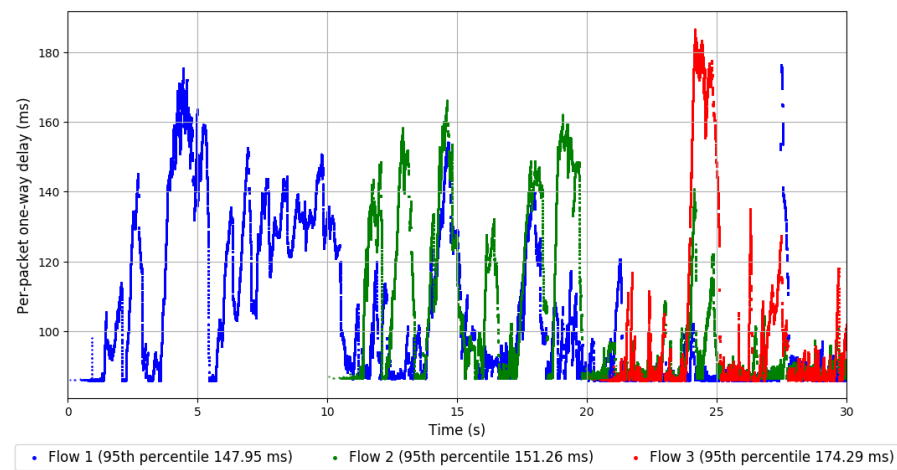
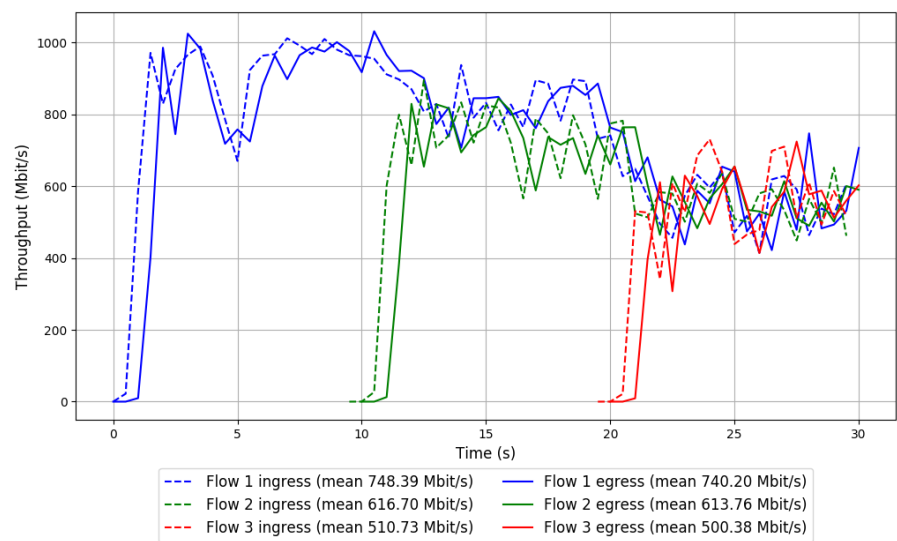
-- Flow 3:

Average throughput: 500.38 Mbit/s

95th percentile per-packet one-way delay: 174.289 ms

Loss rate: 2.04%

Run 8: Report of FillP — Data Link

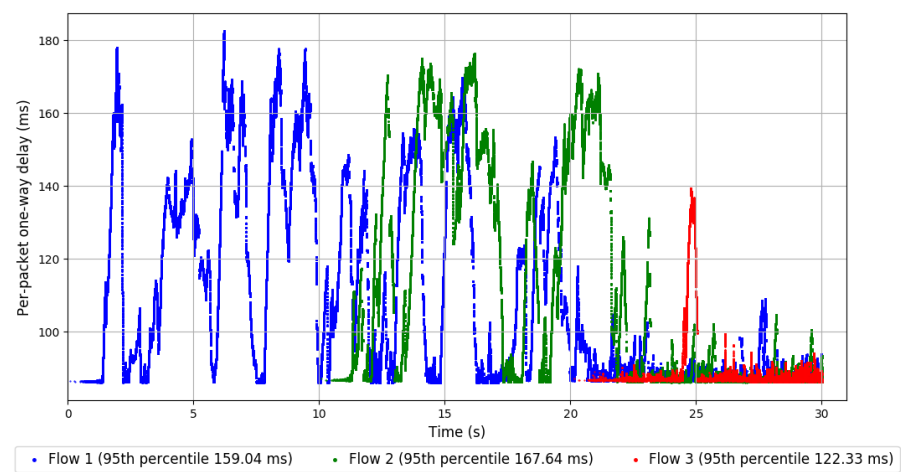
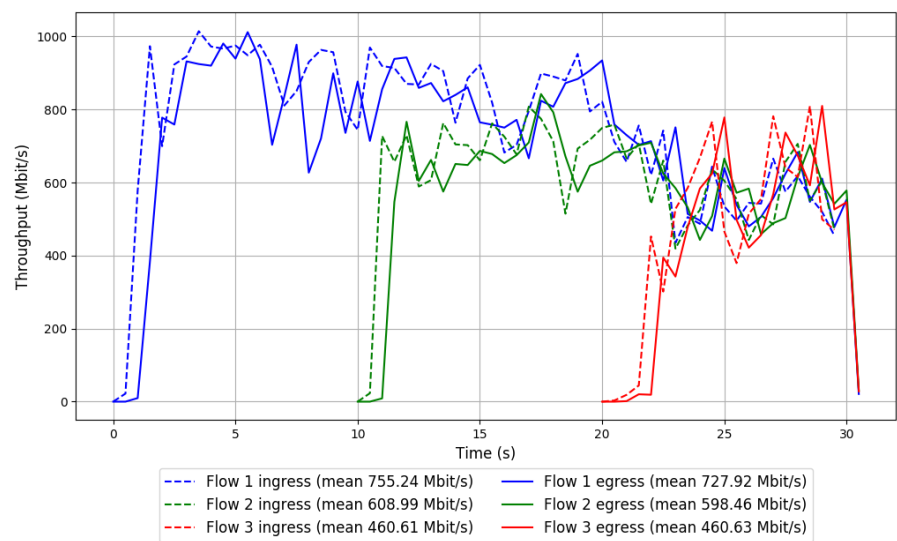


Run 9: Statistics of FillP

Start at: 2018-08-10 06:19:30  
End at: 2018-08-10 06:20:00  
Local clock offset: -0.269 ms  
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-08-10 08:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1278.22 Mbit/s  
95th percentile per-packet one-way delay: 162.276 ms  
Loss rate: 2.61%  
-- Flow 1:  
Average throughput: 727.92 Mbit/s  
95th percentile per-packet one-way delay: 159.040 ms  
Loss rate: 3.61%  
-- Flow 2:  
Average throughput: 598.46 Mbit/s  
95th percentile per-packet one-way delay: 167.637 ms  
Loss rate: 1.72%  
-- Flow 3:  
Average throughput: 460.63 Mbit/s  
95th percentile per-packet one-way delay: 122.327 ms  
Loss rate: 0.00%

Run 9: Report of FillP — Data Link

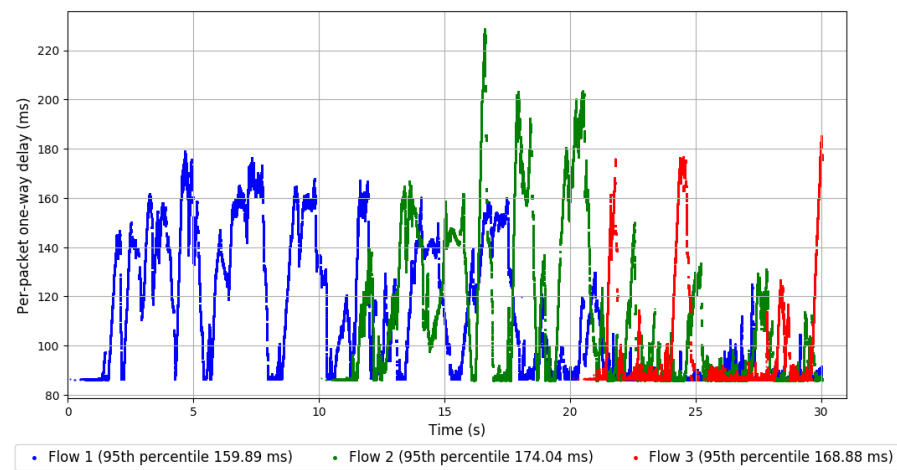
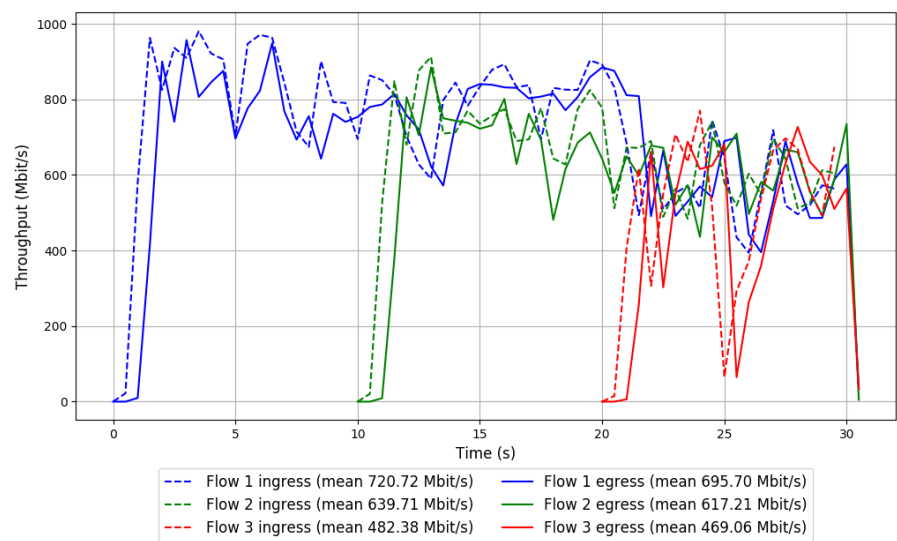


Run 10: Statistics of FillP

Start at: 2018-08-10 06:46:36  
End at: 2018-08-10 06:47:06  
Local clock offset: -0.1 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-08-10 08:41:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1261.34 Mbit/s  
95th percentile per-packet one-way delay: 163.440 ms  
Loss rate: 3.40%  
-- Flow 1:  
Average throughput: 695.70 Mbit/s  
95th percentile per-packet one-way delay: 159.892 ms  
Loss rate: 3.47%  
-- Flow 2:  
Average throughput: 617.21 Mbit/s  
95th percentile per-packet one-way delay: 174.040 ms  
Loss rate: 3.52%  
-- Flow 3:  
Average throughput: 469.06 Mbit/s  
95th percentile per-packet one-way delay: 168.881 ms  
Loss rate: 2.76%

Run 10: Report of FillP — Data Link



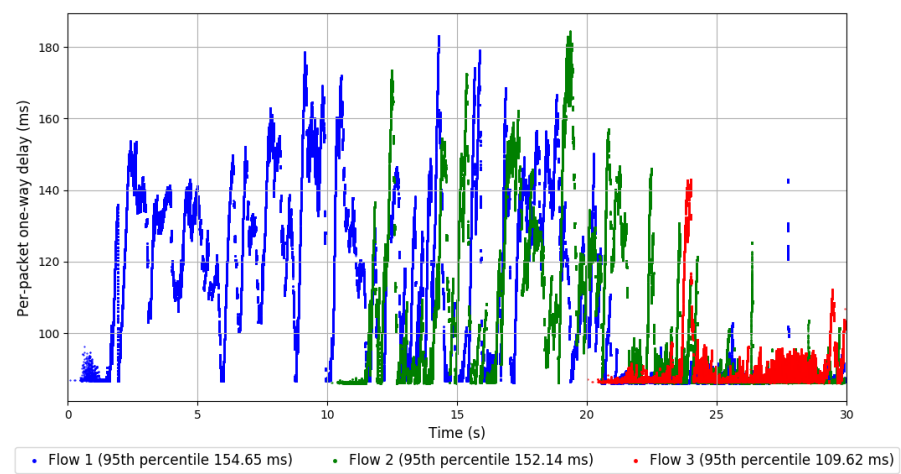
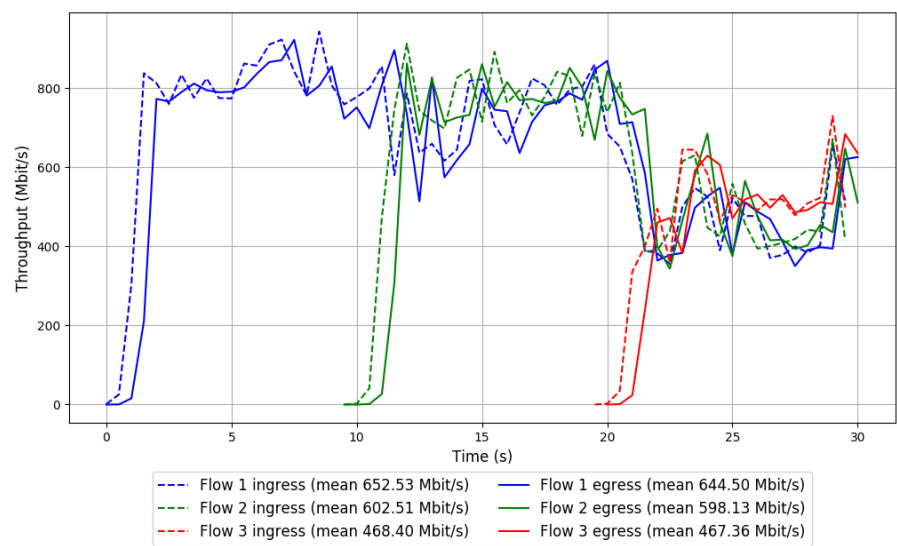
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 02:40:00  
End at: 2018-08-10 02:40:30  
Local clock offset: -0.124 ms  
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-08-10 08:41:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1198.86 Mbit/s  
95th percentile per-packet one-way delay: 152.627 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 644.50 Mbit/s  
95th percentile per-packet one-way delay: 154.650 ms  
Loss rate: 1.23%  
-- Flow 2:  
Average throughput: 598.13 Mbit/s  
95th percentile per-packet one-way delay: 152.136 ms  
Loss rate: 0.73%  
-- Flow 3:  
Average throughput: 467.36 Mbit/s  
95th percentile per-packet one-way delay: 109.618 ms  
Loss rate: 0.06%



Run 1: Report of FillP-Sheep — Data Link

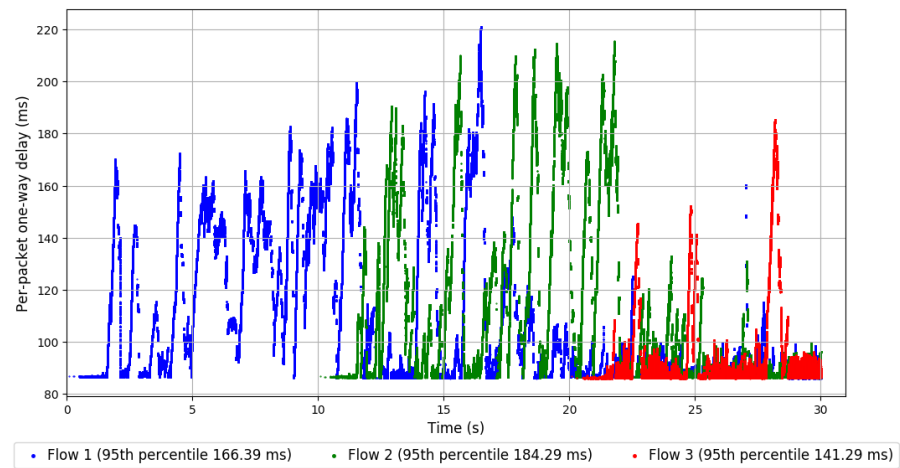
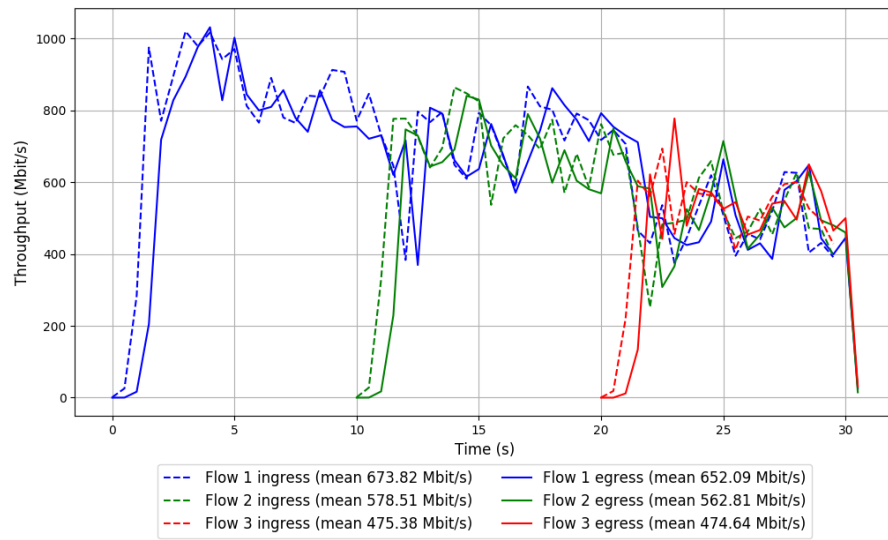


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 03:07:09  
End at: 2018-08-10 03:07:39  
Local clock offset: -0.098 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-08-10 08:41:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1184.03 Mbit/s  
95th percentile per-packet one-way delay: 171.130 ms  
Loss rate: 2.66%  
-- Flow 1:  
Average throughput: 652.09 Mbit/s  
95th percentile per-packet one-way delay: 166.391 ms  
Loss rate: 3.22%  
-- Flow 2:  
Average throughput: 562.81 Mbit/s  
95th percentile per-packet one-way delay: 184.288 ms  
Loss rate: 2.72%  
-- Flow 3:  
Average throughput: 474.64 Mbit/s  
95th percentile per-packet one-way delay: 141.289 ms  
Loss rate: 0.15%

## Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 03:34:09

End at: 2018-08-10 03:34:39

Local clock offset: -0.275 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-08-10 08:41:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1201.32 Mbit/s

95th percentile per-packet one-way delay: 143.724 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 669.78 Mbit/s

95th percentile per-packet one-way delay: 149.004 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 594.34 Mbit/s

95th percentile per-packet one-way delay: 130.164 ms

Loss rate: 0.04%

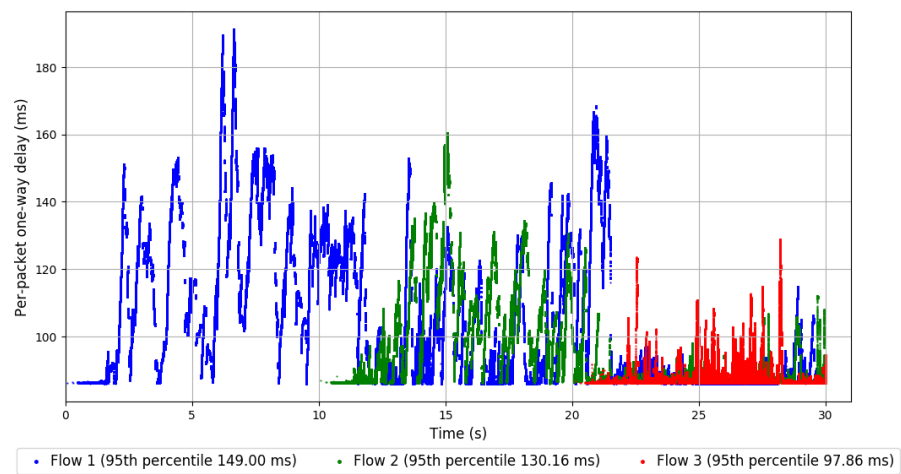
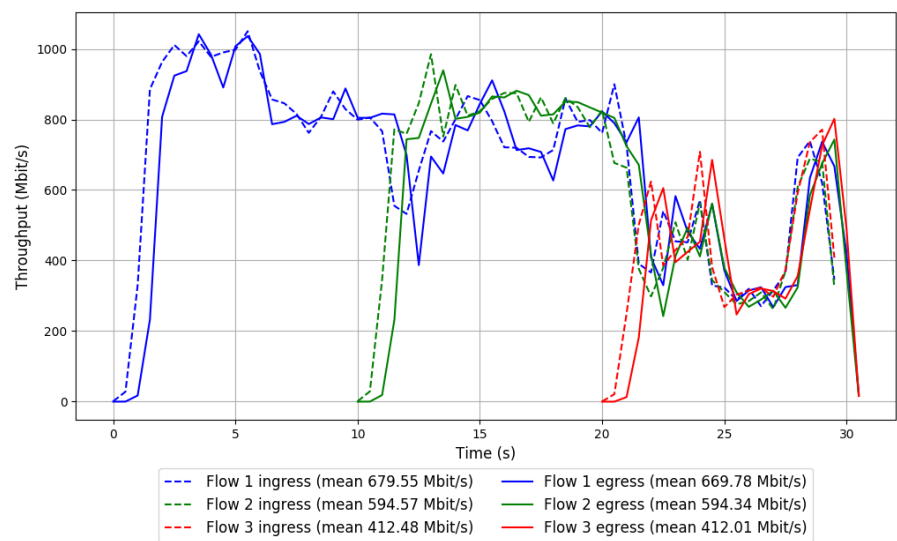
-- Flow 3:

Average throughput: 412.01 Mbit/s

95th percentile per-packet one-way delay: 97.860 ms

Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 04:01:44

End at: 2018-08-10 04:02:14

Local clock offset: -0.023 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-08-10 08:41:37

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1237.87 Mbit/s

95th percentile per-packet one-way delay: 136.459 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 707.54 Mbit/s

95th percentile per-packet one-way delay: 139.103 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 567.66 Mbit/s

95th percentile per-packet one-way delay: 138.180 ms

Loss rate: 0.39%

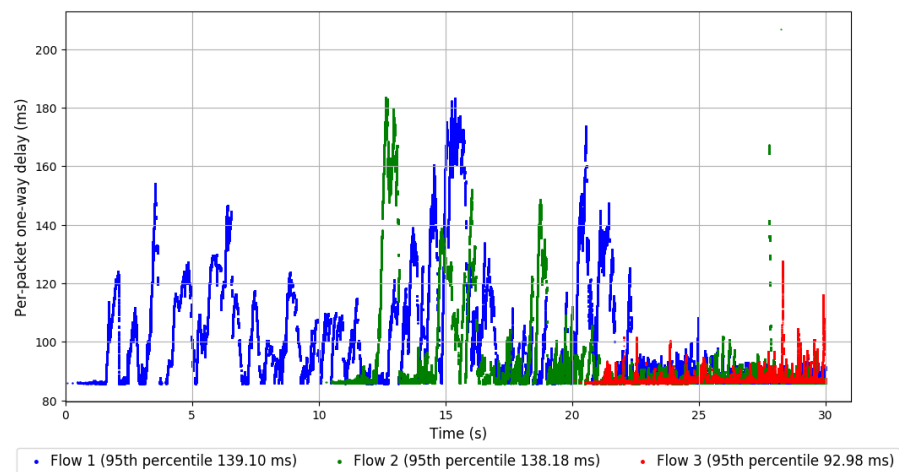
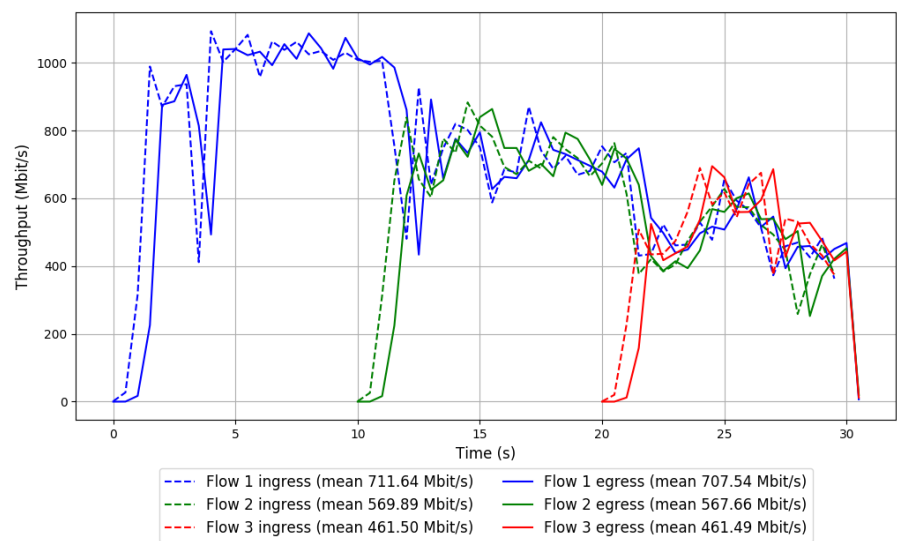
-- Flow 3:

Average throughput: 461.49 Mbit/s

95th percentile per-packet one-way delay: 92.985 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



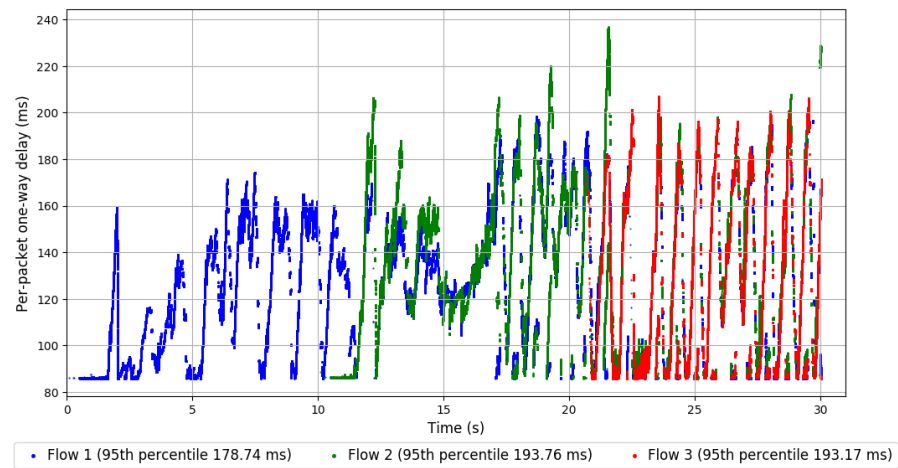
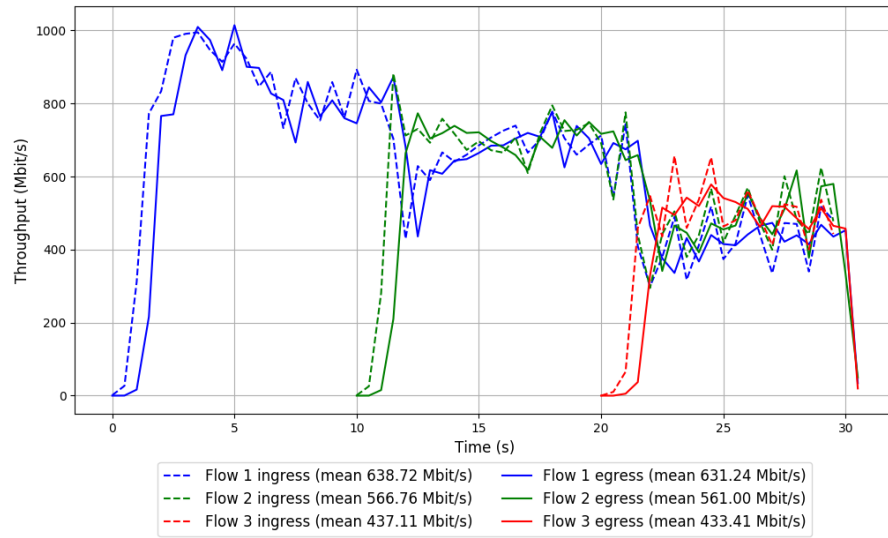
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 04:29:01  
End at: 2018-08-10 04:29:31  
Local clock offset: -0.073 ms  
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-08-10 08:41:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1146.44 Mbit/s  
95th percentile per-packet one-way delay: 186.359 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 631.24 Mbit/s  
95th percentile per-packet one-way delay: 178.744 ms  
Loss rate: 1.18%  
-- Flow 2:  
Average throughput: 561.00 Mbit/s  
95th percentile per-packet one-way delay: 193.759 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 433.41 Mbit/s  
95th percentile per-packet one-way delay: 193.173 ms  
Loss rate: 1.73%



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

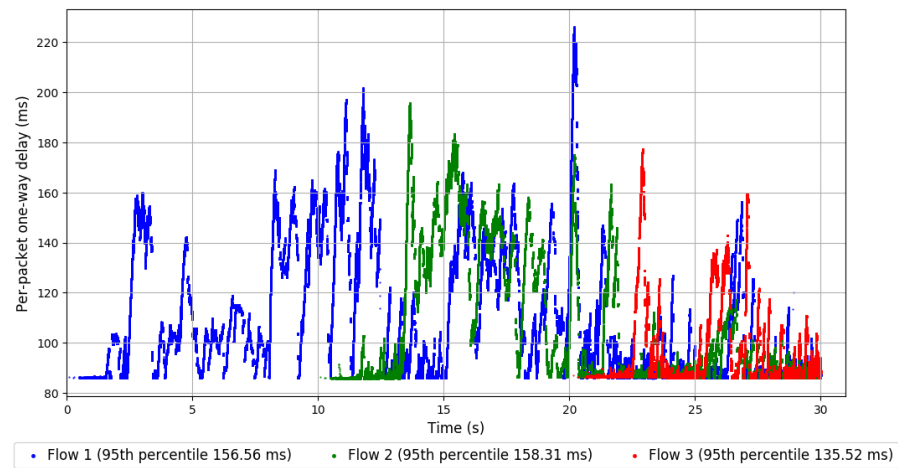
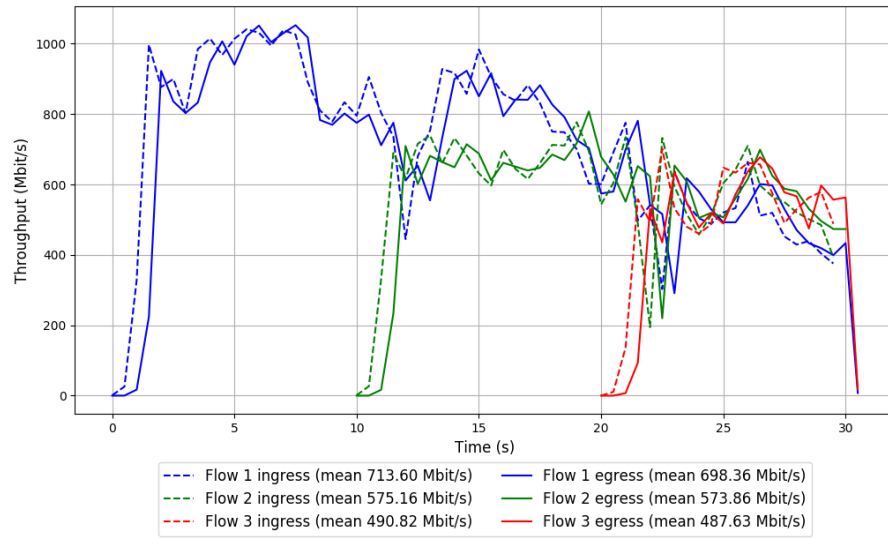


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 04:56:04  
End at: 2018-08-10 04:56:34  
Local clock offset: -0.129 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-08-10 08:47:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1240.66 Mbit/s  
95th percentile per-packet one-way delay: 156.475 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 698.36 Mbit/s  
95th percentile per-packet one-way delay: 156.563 ms  
Loss rate: 2.13%  
-- Flow 2:  
Average throughput: 573.86 Mbit/s  
95th percentile per-packet one-way delay: 158.305 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 487.63 Mbit/s  
95th percentile per-packet one-way delay: 135.523 ms  
Loss rate: 0.65%

# Run 6: Report of FillP-Sheep — Data Link

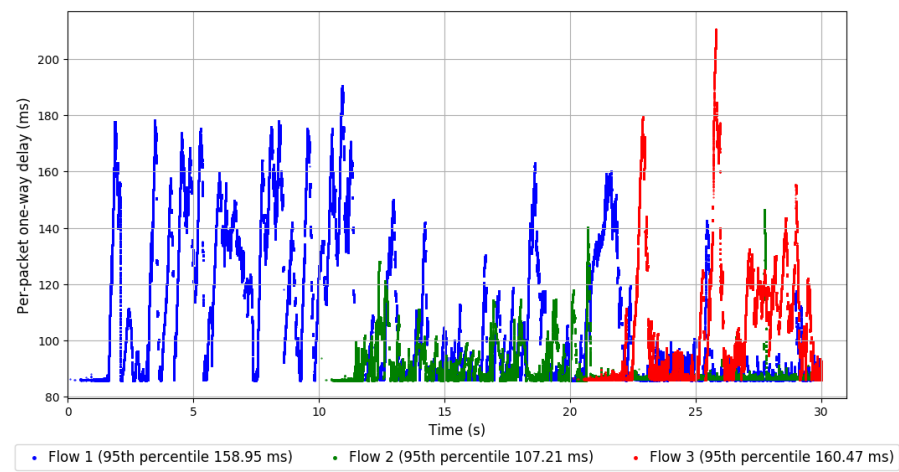
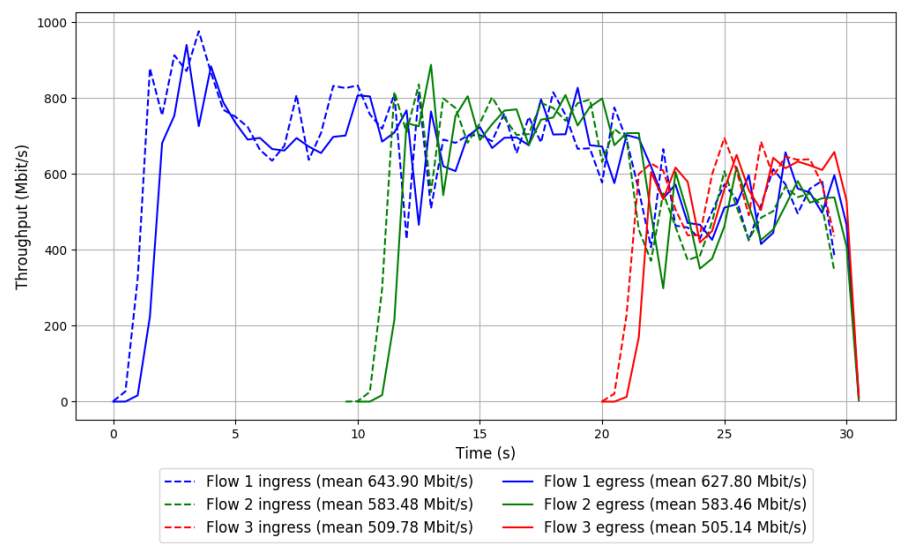


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 05:23:18  
End at: 2018-08-10 05:23:48  
Local clock offset: -0.063 ms  
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-08-10 09:05:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1182.90 Mbit/s  
95th percentile per-packet one-way delay: 153.870 ms  
Loss rate: 1.48%  
-- Flow 1:  
Average throughput: 627.80 Mbit/s  
95th percentile per-packet one-way delay: 158.950 ms  
Loss rate: 2.50%  
-- Flow 2:  
Average throughput: 583.46 Mbit/s  
95th percentile per-packet one-way delay: 107.211 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 505.14 Mbit/s  
95th percentile per-packet one-way delay: 160.470 ms  
Loss rate: 0.91%

Run 7: Report of FillP-Sheep — Data Link

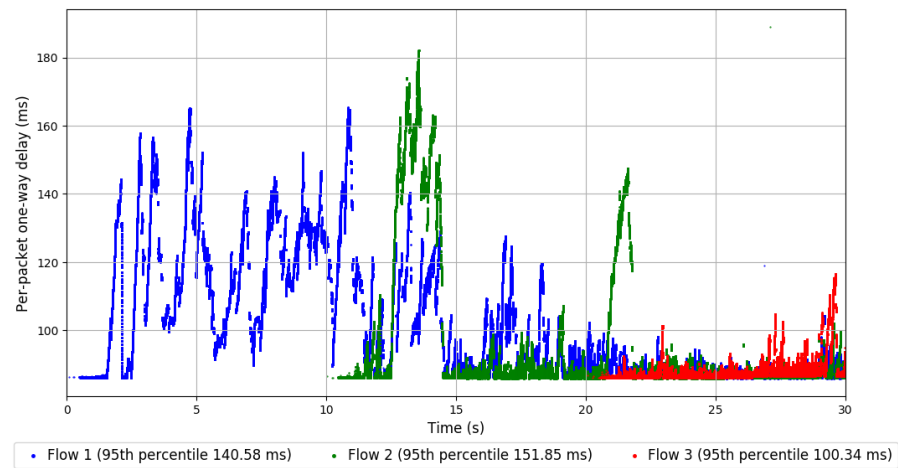
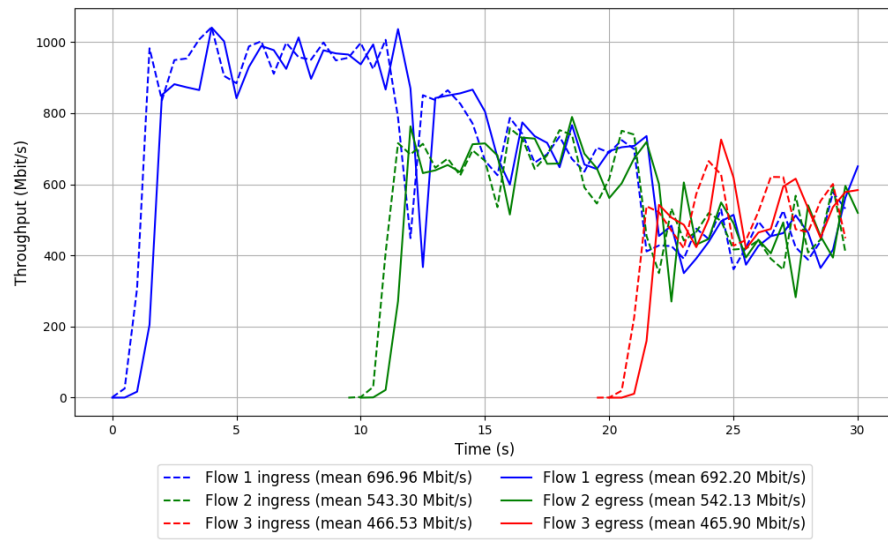


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 05:50:32  
End at: 2018-08-10 05:51:02  
Local clock offset: -0.033 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-08-10 09:06:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1207.92 Mbit/s  
95th percentile per-packet one-way delay: 142.537 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 692.20 Mbit/s  
95th percentile per-packet one-way delay: 140.584 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 542.13 Mbit/s  
95th percentile per-packet one-way delay: 151.848 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 465.90 Mbit/s  
95th percentile per-packet one-way delay: 100.341 ms  
Loss rate: 0.13%

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



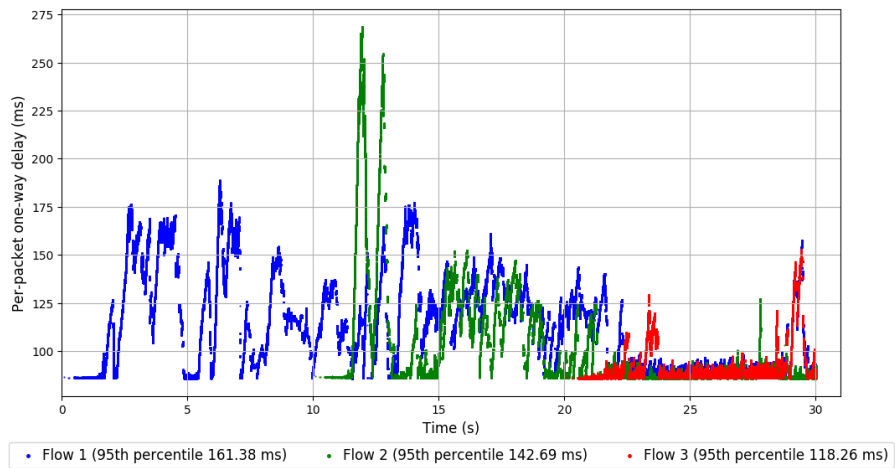
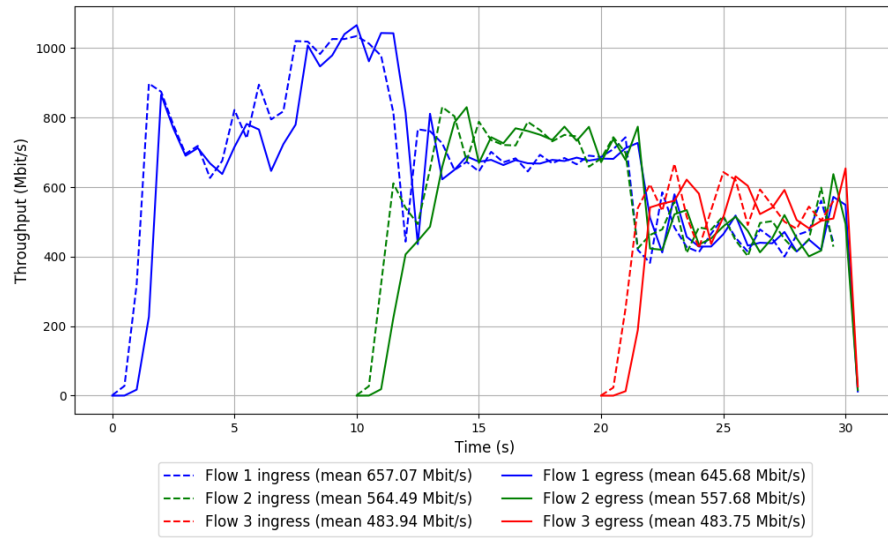
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 06:17:26  
End at: 2018-08-10 06:17:56  
Local clock offset: -0.116 ms  
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-08-10 09:06:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1176.83 Mbit/s  
95th percentile per-packet one-way delay: 156.443 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 645.68 Mbit/s  
95th percentile per-packet one-way delay: 161.378 ms  
Loss rate: 1.73%  
-- Flow 2:  
Average throughput: 557.68 Mbit/s  
95th percentile per-packet one-way delay: 142.689 ms  
Loss rate: 1.18%  
-- Flow 3:  
Average throughput: 483.75 Mbit/s  
95th percentile per-packet one-way delay: 118.259 ms  
Loss rate: 0.00%



# Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 06:44:29

End at: 2018-08-10 06:44:59

Local clock offset: -0.372 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-08-10 09:07:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1248.97 Mbit/s

95th percentile per-packet one-way delay: 148.814 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 702.53 Mbit/s

95th percentile per-packet one-way delay: 160.373 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 564.61 Mbit/s

95th percentile per-packet one-way delay: 141.071 ms

Loss rate: 0.00%

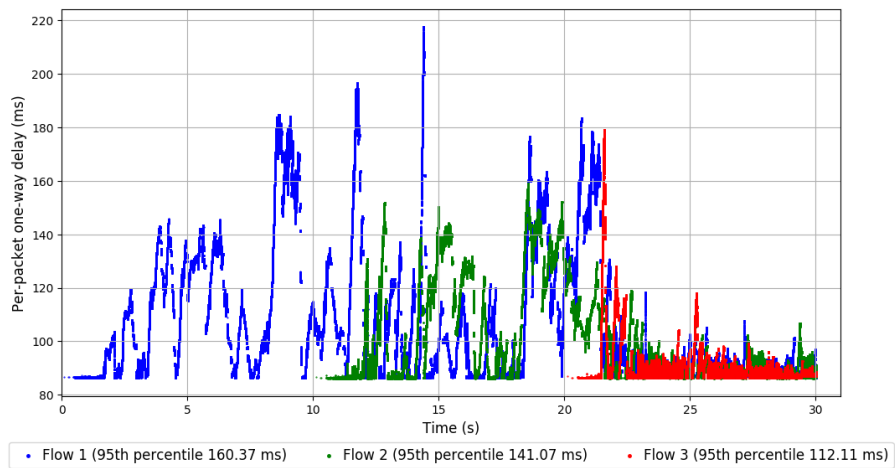
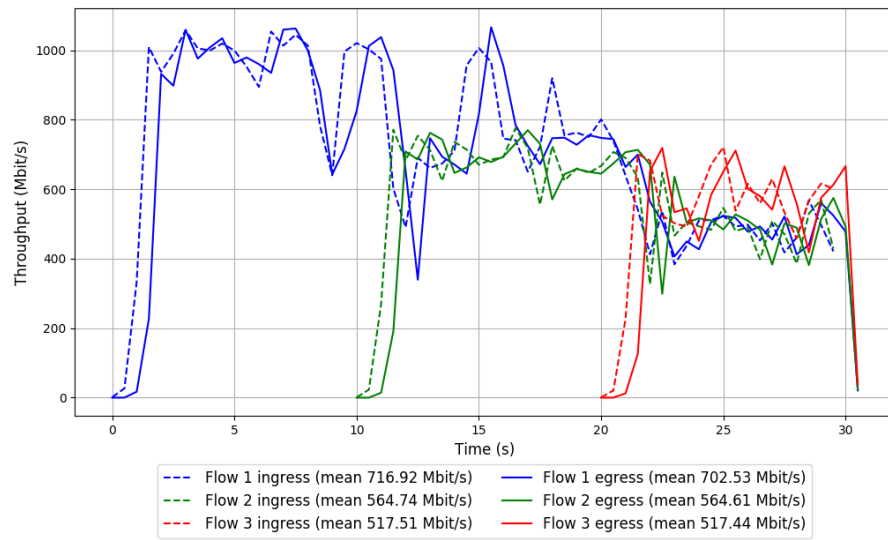
-- Flow 3:

Average throughput: 517.44 Mbit/s

95th percentile per-packet one-way delay: 112.114 ms

Loss rate: 0.00%

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

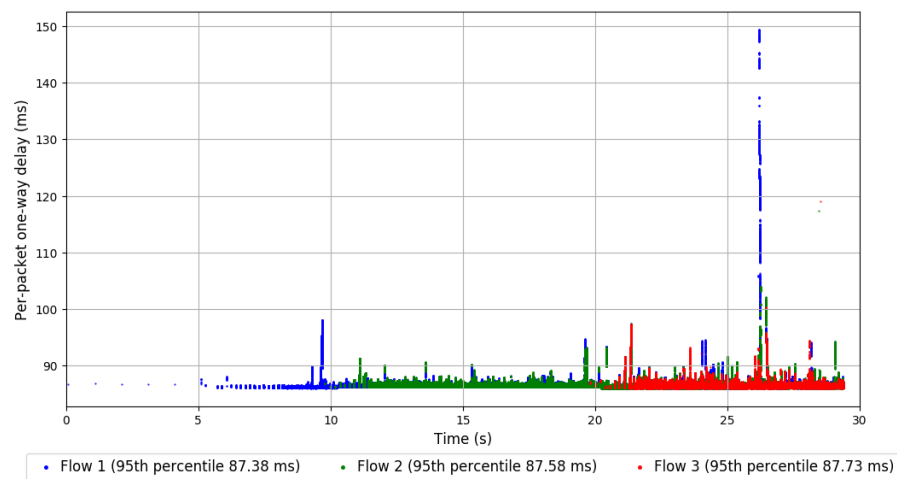
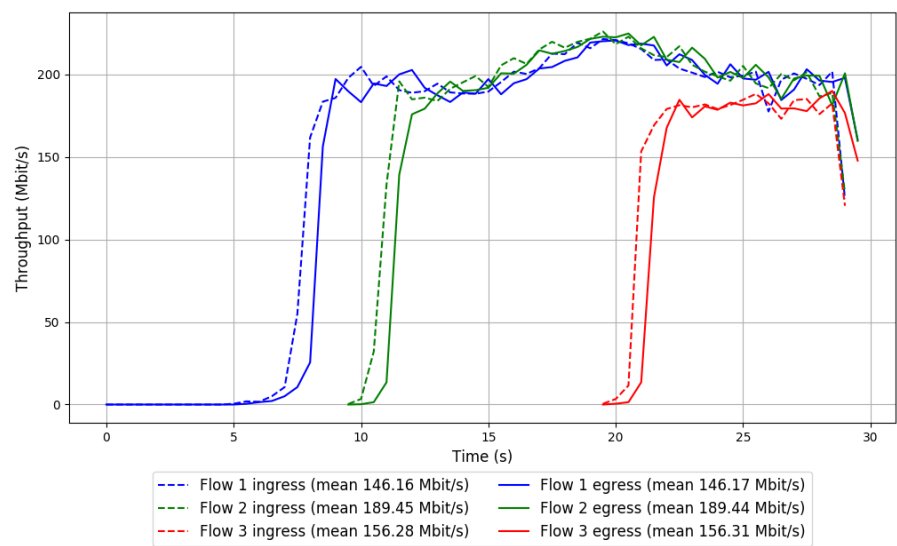


Run 1: Statistics of Indigo

Start at: 2018-08-10 02:27:18  
End at: 2018-08-10 02:27:48  
Local clock offset: -0.172 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 324.00 Mbit/s  
95th percentile per-packet one-way delay: 87.503 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 146.17 Mbit/s  
95th percentile per-packet one-way delay: 87.382 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 189.44 Mbit/s  
95th percentile per-packet one-way delay: 87.577 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 156.31 Mbit/s  
95th percentile per-packet one-way delay: 87.730 ms  
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

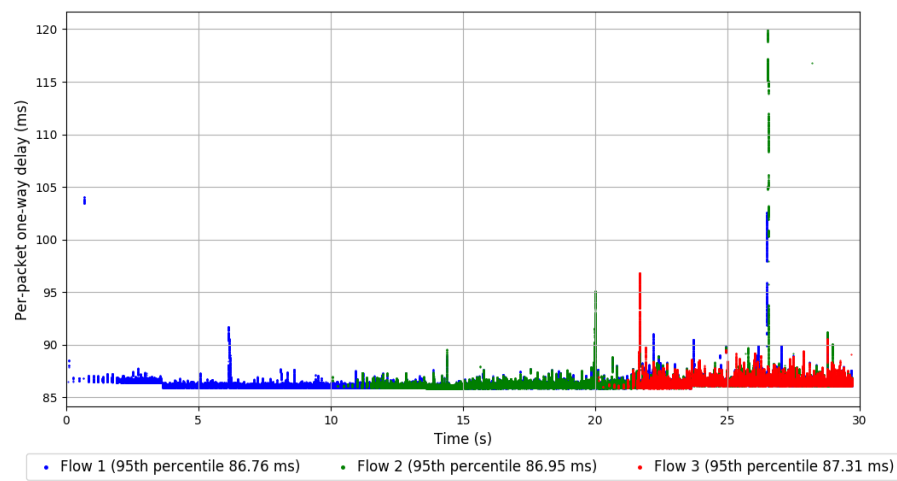
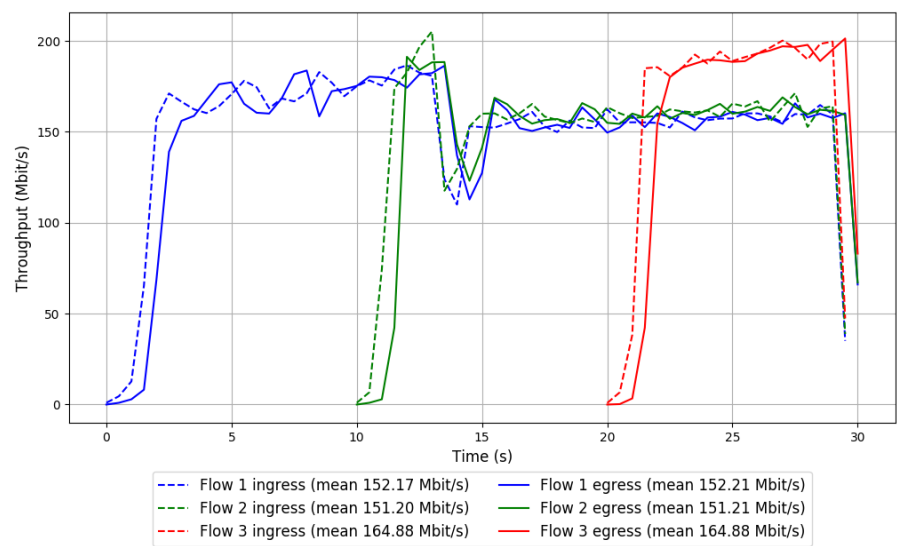


Run 2: Statistics of Indigo

Start at: 2018-08-10 02:54:15  
End at: 2018-08-10 02:54:45  
Local clock offset: -0.044 ms  
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 305.66 Mbit/s  
95th percentile per-packet one-way delay: 86.946 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 152.21 Mbit/s  
95th percentile per-packet one-way delay: 86.762 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 151.21 Mbit/s  
95th percentile per-packet one-way delay: 86.946 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 164.88 Mbit/s  
95th percentile per-packet one-way delay: 87.310 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



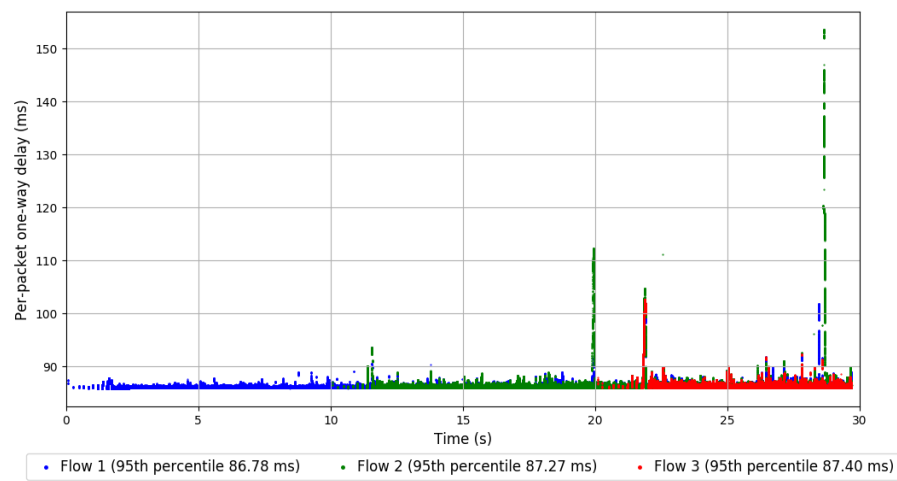
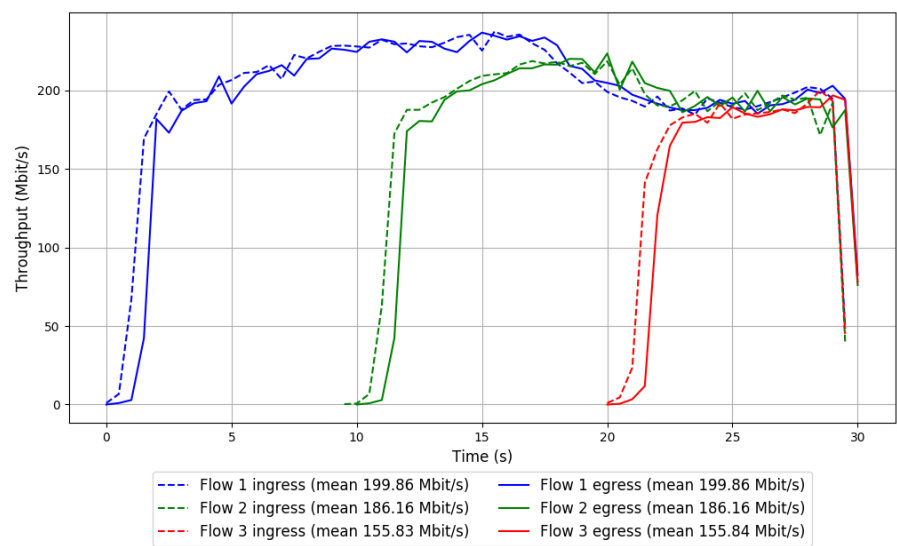
Run 3: Statistics of Indigo

Start at: 2018-08-10 03:21:26  
End at: 2018-08-10 03:21:56  
Local clock offset: -0.118 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 373.67 Mbit/s  
95th percentile per-packet one-way delay: 87.006 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 199.86 Mbit/s  
95th percentile per-packet one-way delay: 86.777 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 186.16 Mbit/s  
95th percentile per-packet one-way delay: 87.265 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 155.84 Mbit/s  
95th percentile per-packet one-way delay: 87.403 ms  
Loss rate: 0.00%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-10 03:48:46

End at: 2018-08-10 03:49:16

Local clock offset: 0.104 ms

Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-08-10 09:07:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 367.14 Mbit/s

95th percentile per-packet one-way delay: 87.350 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 191.36 Mbit/s

95th percentile per-packet one-way delay: 87.192 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 184.59 Mbit/s

95th percentile per-packet one-way delay: 87.500 ms

Loss rate: 0.01%

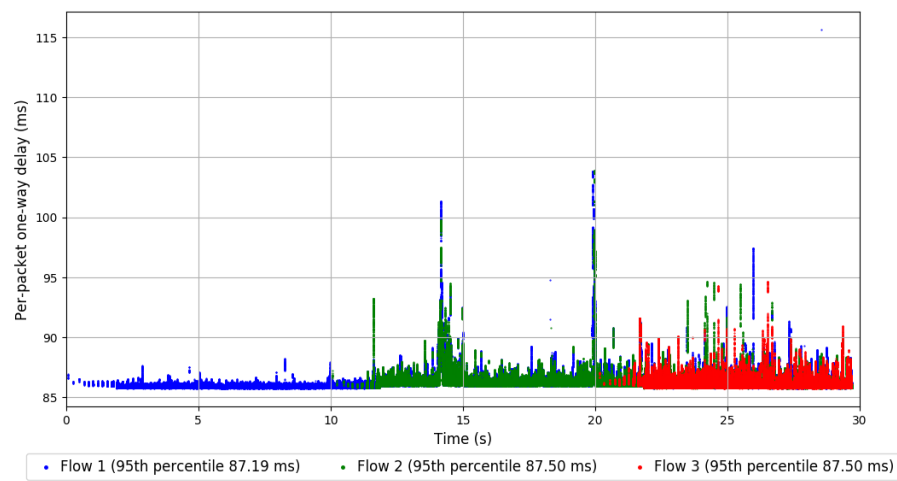
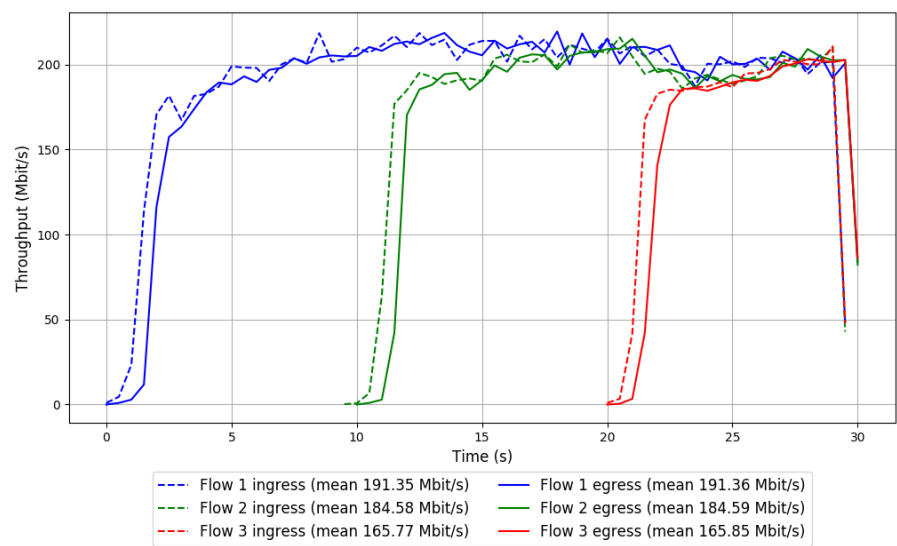
-- Flow 3:

Average throughput: 165.85 Mbit/s

95th percentile per-packet one-way delay: 87.499 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

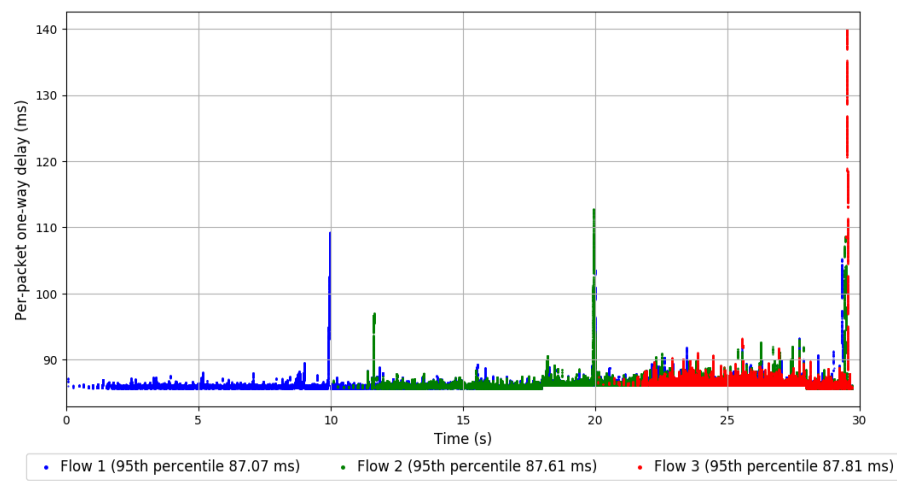
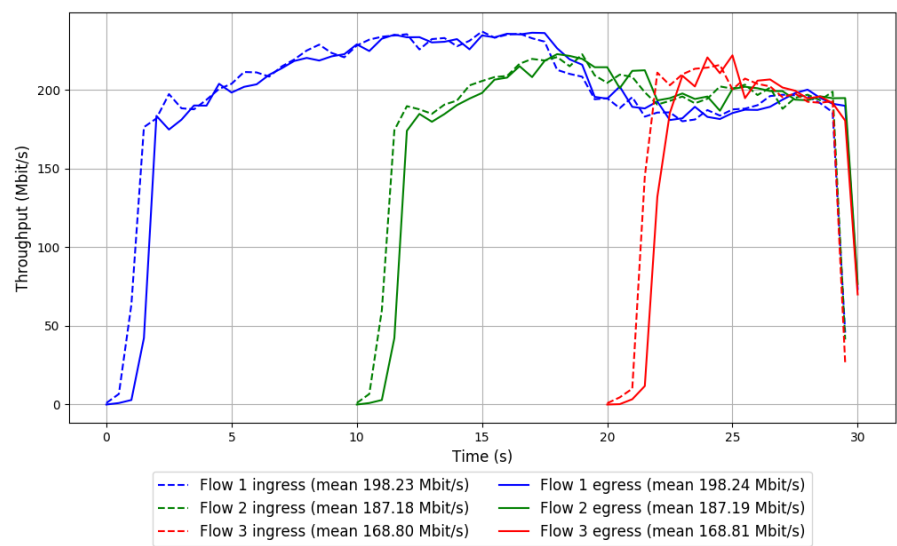


Run 5: Statistics of Indigo

Start at: 2018-08-10 04:16:10  
End at: 2018-08-10 04:16:40  
Local clock offset: 0.16 ms  
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 376.75 Mbit/s  
95th percentile per-packet one-way delay: 87.398 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 198.24 Mbit/s  
95th percentile per-packet one-way delay: 87.066 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 187.19 Mbit/s  
95th percentile per-packet one-way delay: 87.615 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 168.81 Mbit/s  
95th percentile per-packet one-way delay: 87.812 ms  
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

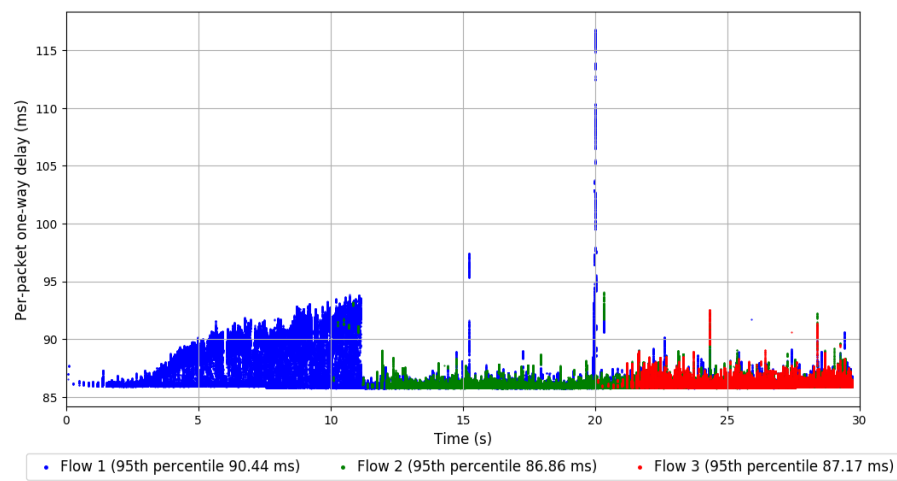
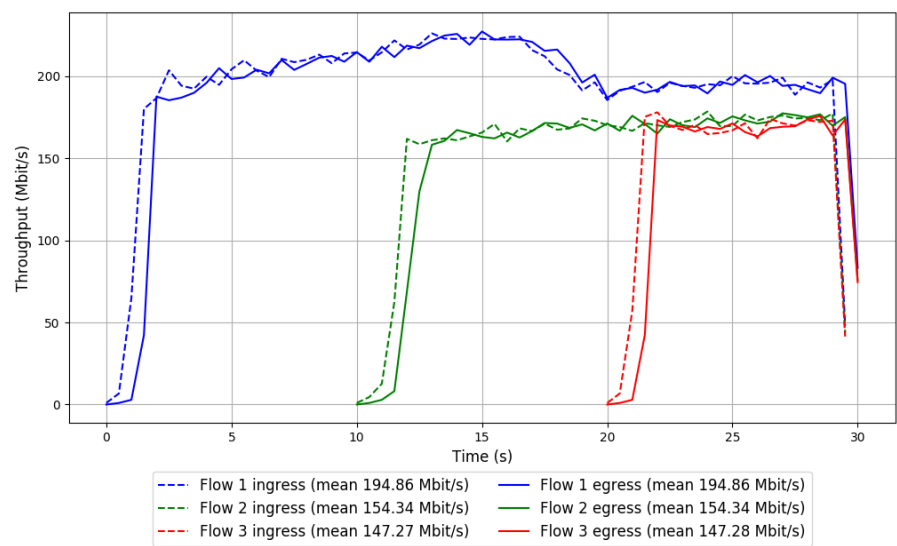


Run 6: Statistics of Indigo

Start at: 2018-08-10 04:43:21  
End at: 2018-08-10 04:43:51  
Local clock offset: -0.084 ms  
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 344.81 Mbit/s  
95th percentile per-packet one-way delay: 89.591 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 194.86 Mbit/s  
95th percentile per-packet one-way delay: 90.442 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 154.34 Mbit/s  
95th percentile per-packet one-way delay: 86.857 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 147.28 Mbit/s  
95th percentile per-packet one-way delay: 87.172 ms  
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



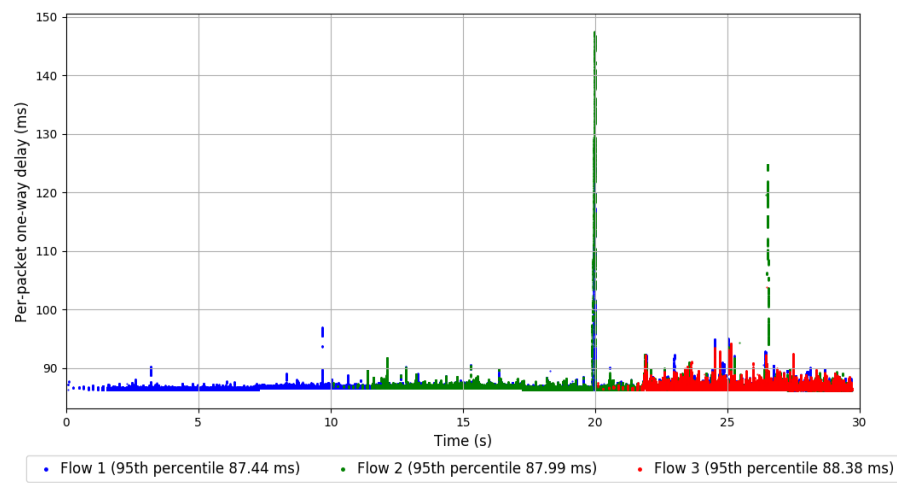
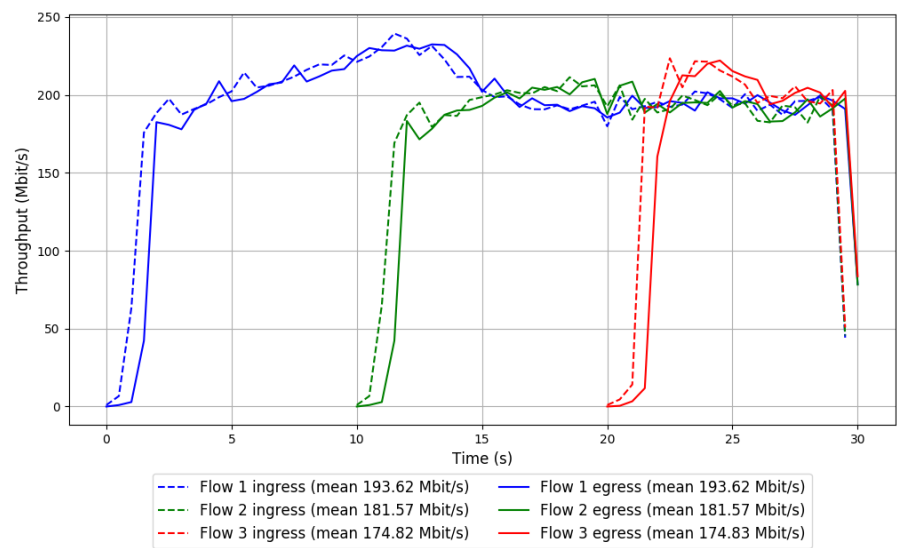
Run 7: Statistics of Indigo

Start at: 2018-08-10 05:10:21  
End at: 2018-08-10 05:10:51  
Local clock offset: -0.401 ms  
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 370.37 Mbit/s  
95th percentile per-packet one-way delay: 87.823 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 193.62 Mbit/s  
95th percentile per-packet one-way delay: 87.437 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 181.57 Mbit/s  
95th percentile per-packet one-way delay: 87.986 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 174.83 Mbit/s  
95th percentile per-packet one-way delay: 88.382 ms  
Loss rate: 0.00%



Run 7: Report of Indigo — Data Link

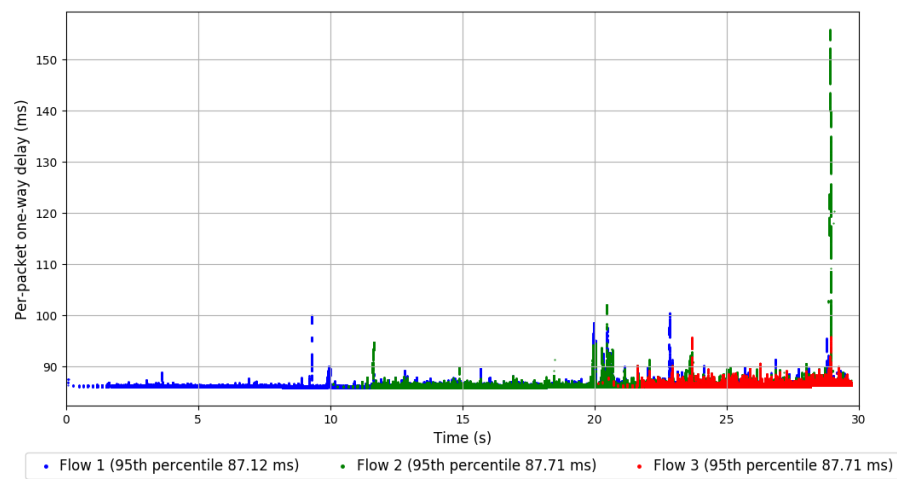
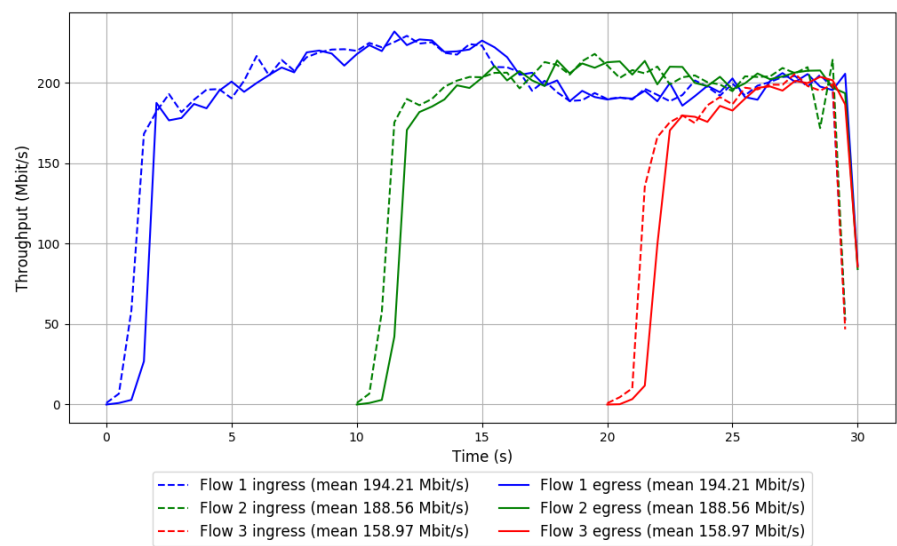


Run 8: Statistics of Indigo

Start at: 2018-08-10 05:37:40  
End at: 2018-08-10 05:38:10  
Local clock offset: -0.049 ms  
Remote clock offset: -0.015 ms

```
# Below is generated by plot.py at 2018-08-10 09:07:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.50 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.21 Mbit/s
95th percentile per-packet one-way delay: 87.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 158.97 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

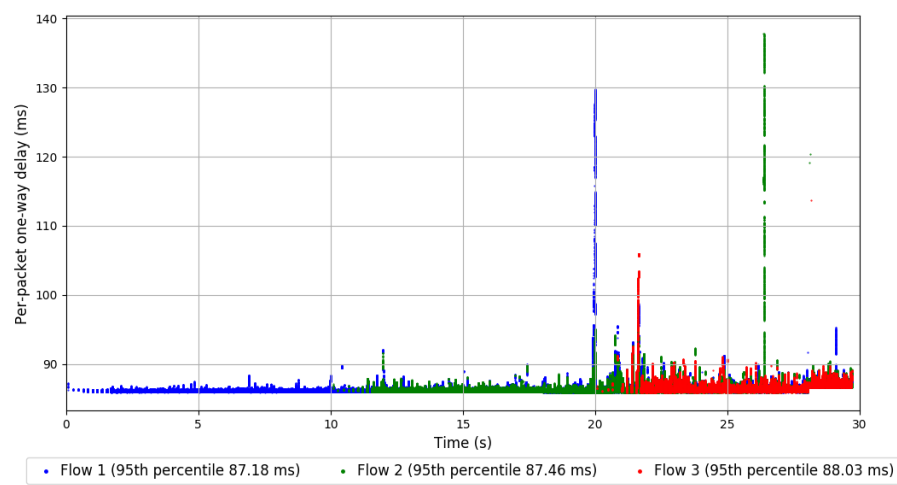
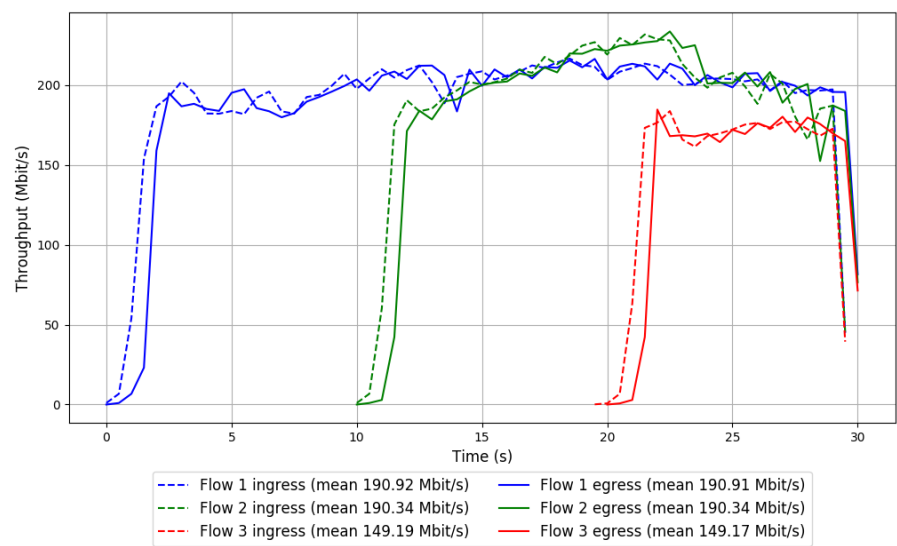


Run 9: Statistics of Indigo

Start at: 2018-08-10 06:04:40  
End at: 2018-08-10 06:05:10  
Local clock offset: -0.096 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 365.35 Mbit/s  
95th percentile per-packet one-way delay: 87.417 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 190.91 Mbit/s  
95th percentile per-packet one-way delay: 87.179 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 190.34 Mbit/s  
95th percentile per-packet one-way delay: 87.457 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 149.17 Mbit/s  
95th percentile per-packet one-way delay: 88.026 ms  
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

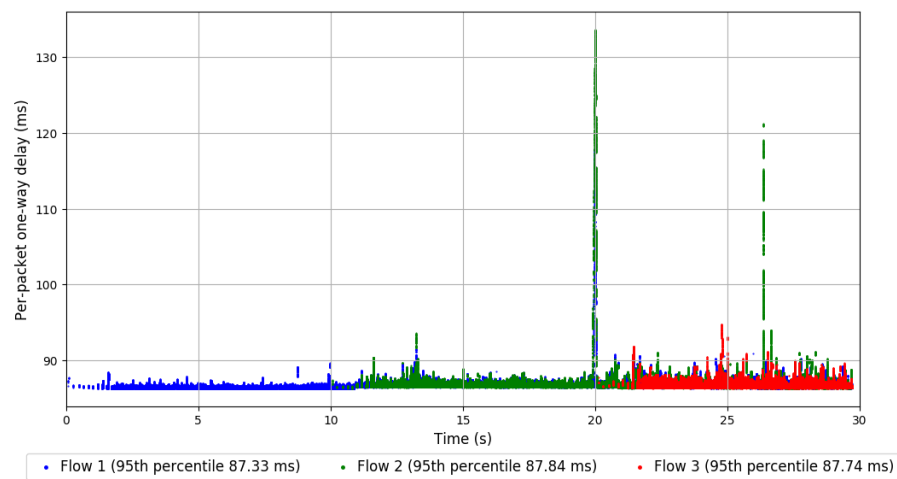
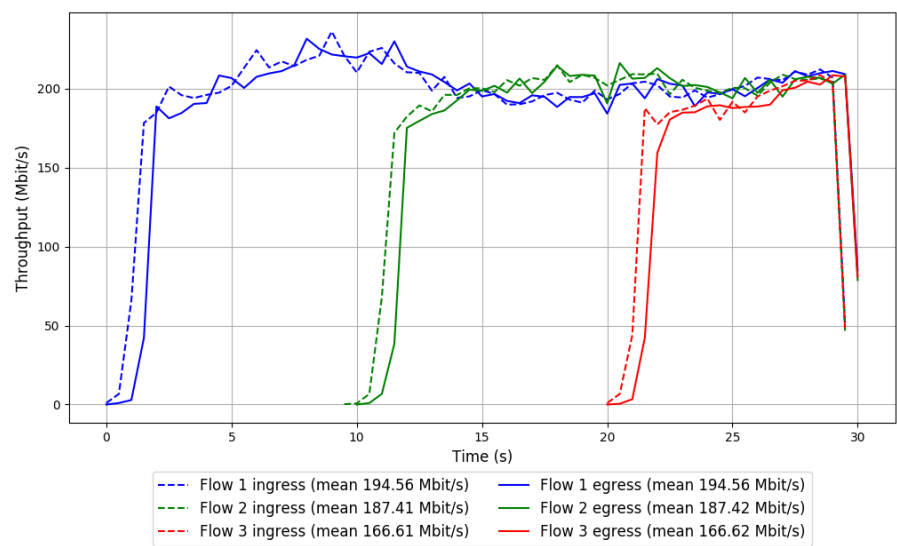


Run 10: Statistics of Indigo

Start at: 2018-08-10 06:31:47  
End at: 2018-08-10 06:32:17  
Local clock offset: -0.493 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 372.67 Mbit/s  
95th percentile per-packet one-way delay: 87.561 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 194.56 Mbit/s  
95th percentile per-packet one-way delay: 87.331 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 187.42 Mbit/s  
95th percentile per-packet one-way delay: 87.842 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 166.62 Mbit/s  
95th percentile per-packet one-way delay: 87.744 ms  
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



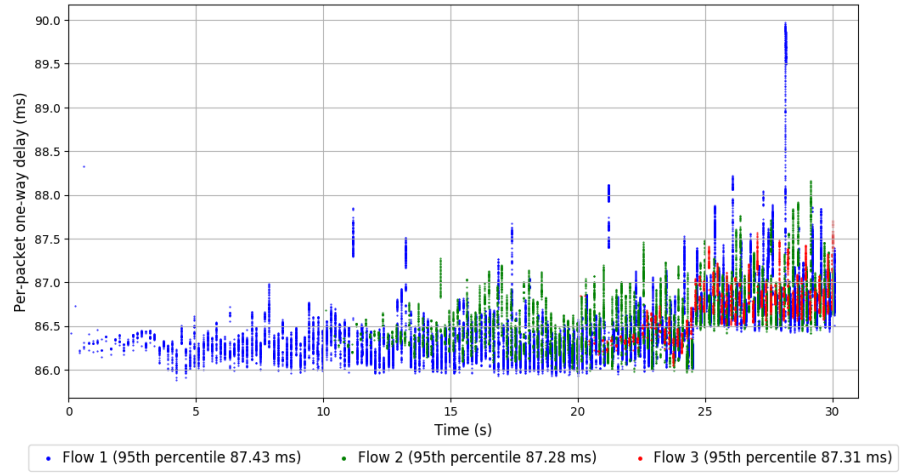
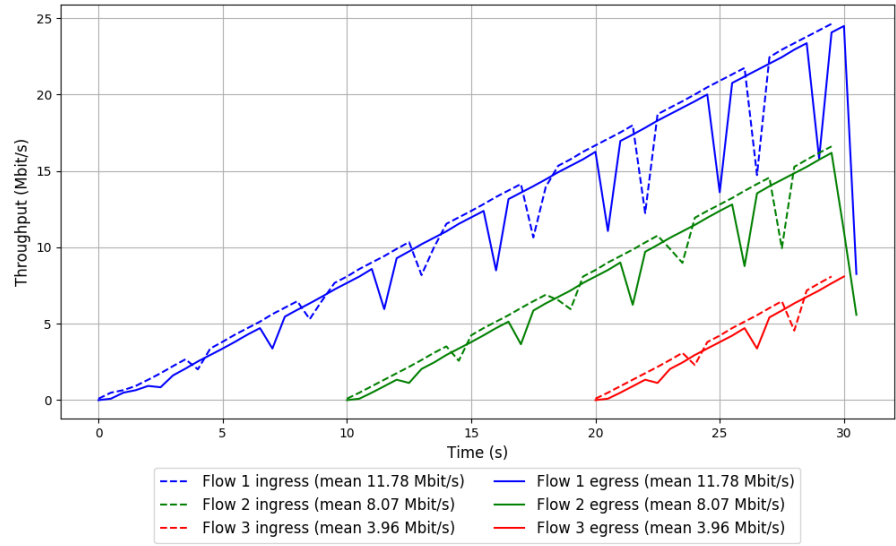
```
Run 1: Statistics of LEDBAT

Start at: 2018-08-10 02:46:14
End at: 2018-08-10 02:46:44
Local clock offset: -0.12 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-08-10 09:07:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 87.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 87.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 87.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 87.305 ms
Loss rate: 0.00%
```



# Run 1: Report of LEDBAT — Data Link

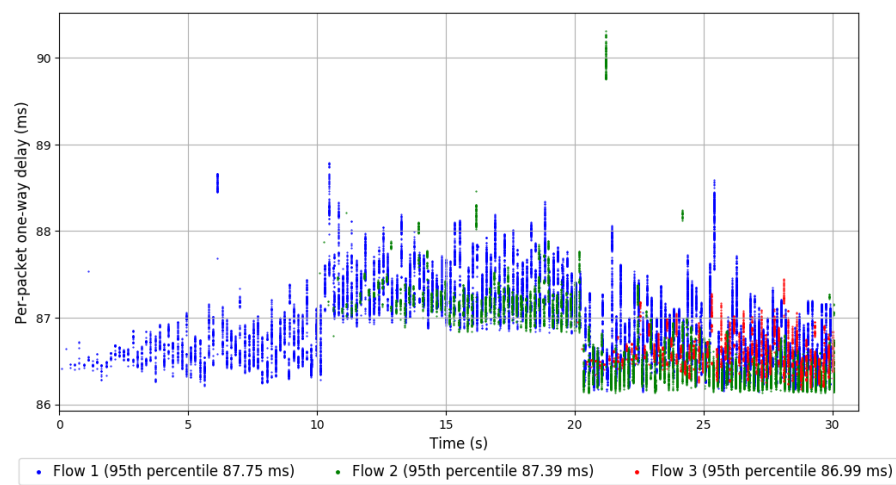
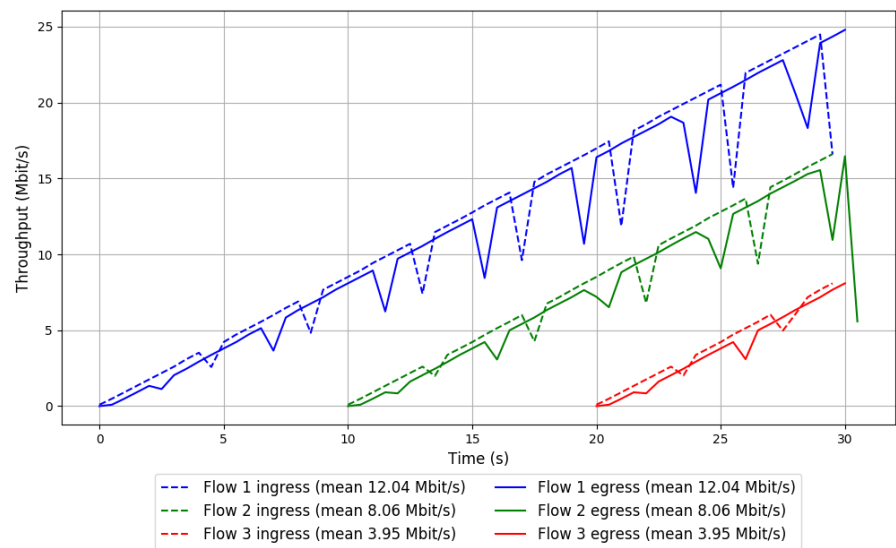


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 03:13:18  
End at: 2018-08-10 03:13:48  
Local clock offset: -0.242 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.65 Mbit/s  
95th percentile per-packet one-way delay: 87.686 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.04 Mbit/s  
95th percentile per-packet one-way delay: 87.754 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.06 Mbit/s  
95th percentile per-packet one-way delay: 87.392 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.95 Mbit/s  
95th percentile per-packet one-way delay: 86.986 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

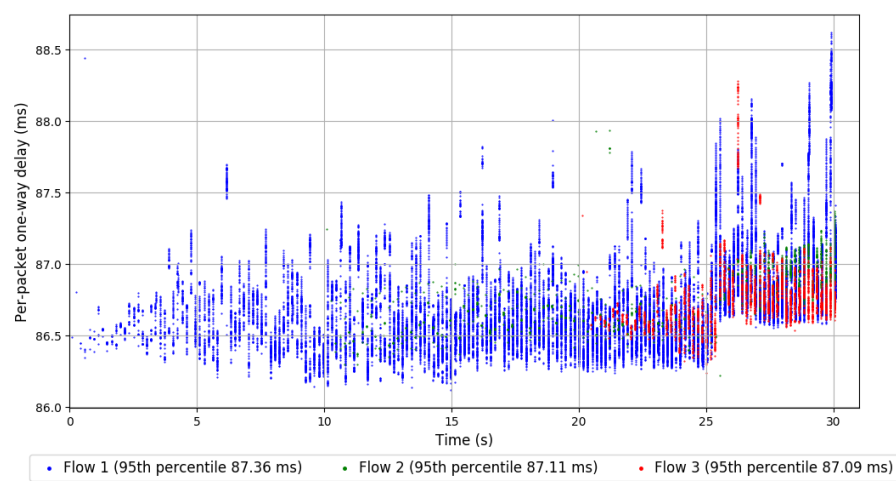
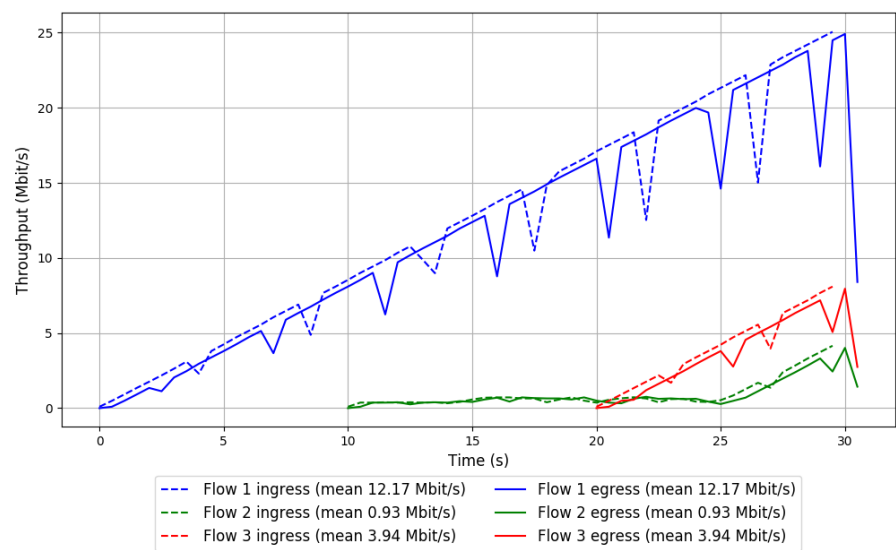


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 03:40:23  
End at: 2018-08-10 03:40:53  
Local clock offset: -0.28 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.09 Mbit/s  
95th percentile per-packet one-way delay: 87.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.17 Mbit/s  
95th percentile per-packet one-way delay: 87.360 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.93 Mbit/s  
95th percentile per-packet one-way delay: 87.108 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.94 Mbit/s  
95th percentile per-packet one-way delay: 87.089 ms  
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-10 04:08:00

End at: 2018-08-10 04:08:30

Local clock offset: -0.211 ms

Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-08-10 09:07:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 86.975 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 87.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 86.900 ms

Loss rate: 0.00%

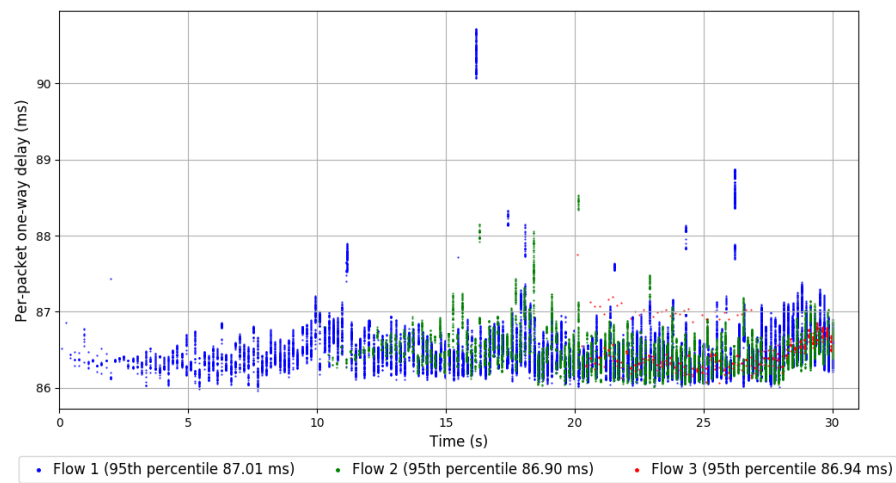
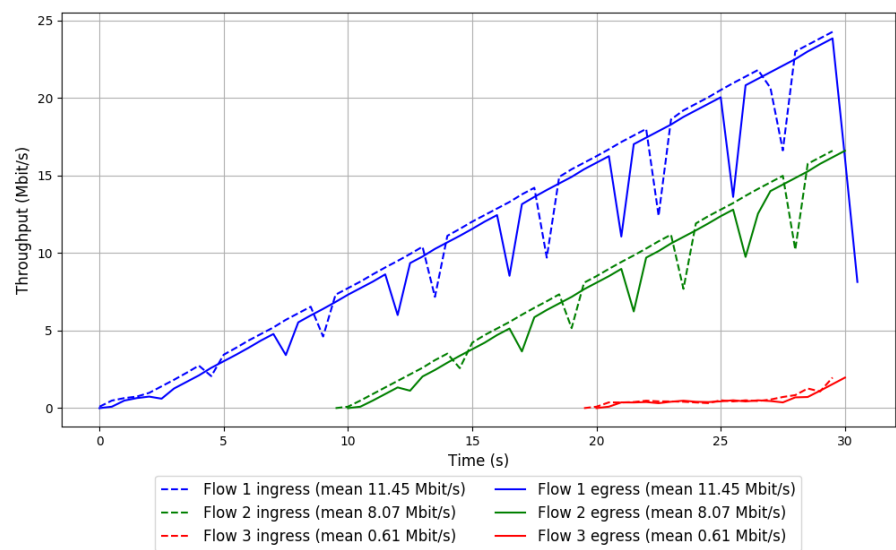
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 86.942 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



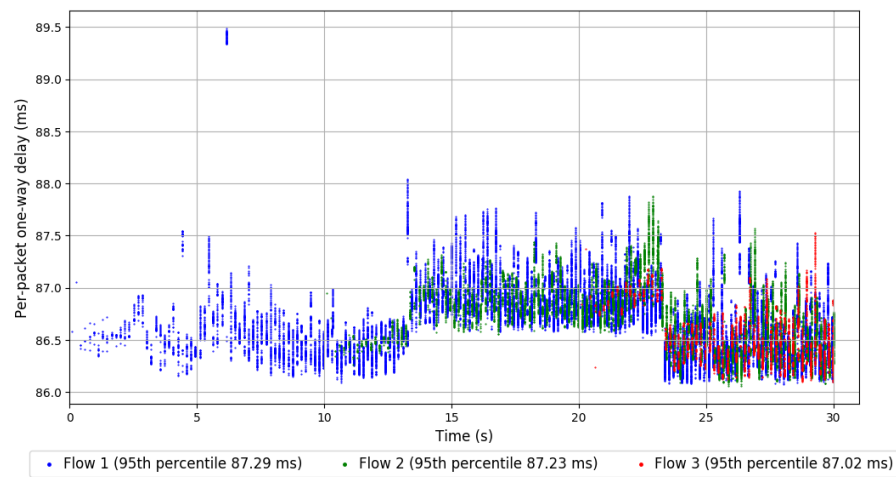
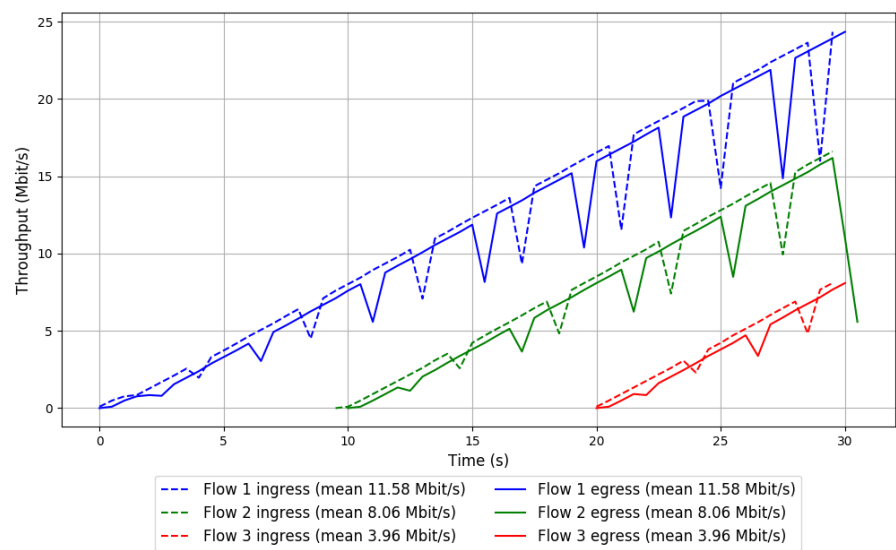
Run 5: Statistics of LEDBAT

Start at: 2018-08-10 04:35:05  
End at: 2018-08-10 04:35:35  
Local clock offset: -0.256 ms  
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.24 Mbit/s  
95th percentile per-packet one-way delay: 87.255 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.58 Mbit/s  
95th percentile per-packet one-way delay: 87.288 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.06 Mbit/s  
95th percentile per-packet one-way delay: 87.233 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.96 Mbit/s  
95th percentile per-packet one-way delay: 87.021 ms  
Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link

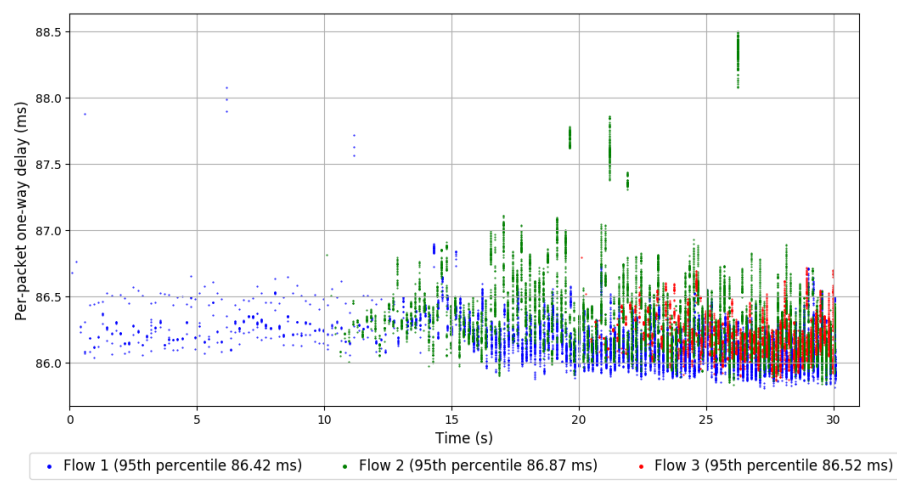
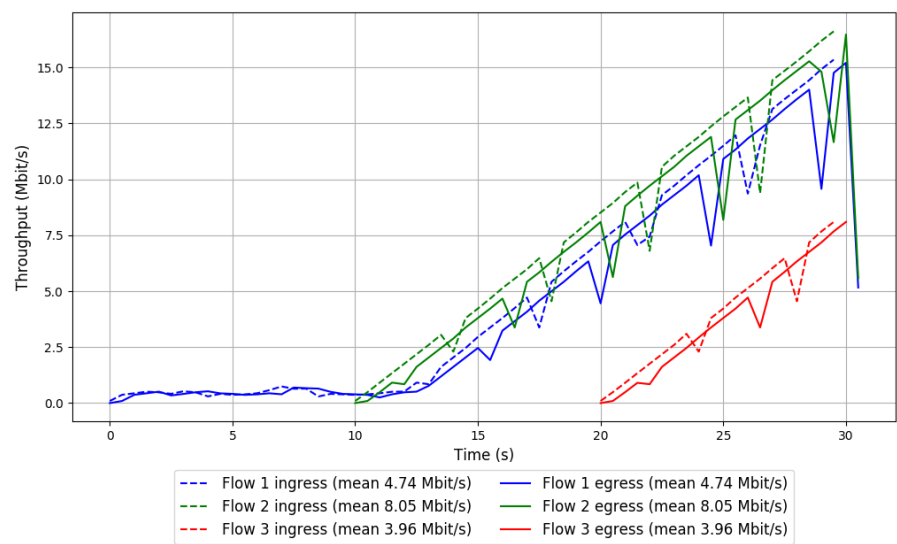


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 05:02:13  
End at: 2018-08-10 05:02:43  
Local clock offset: -0.055 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.40 Mbit/s  
95th percentile per-packet one-way delay: 86.660 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.74 Mbit/s  
95th percentile per-packet one-way delay: 86.415 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.05 Mbit/s  
95th percentile per-packet one-way delay: 86.870 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.96 Mbit/s  
95th percentile per-packet one-way delay: 86.515 ms  
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

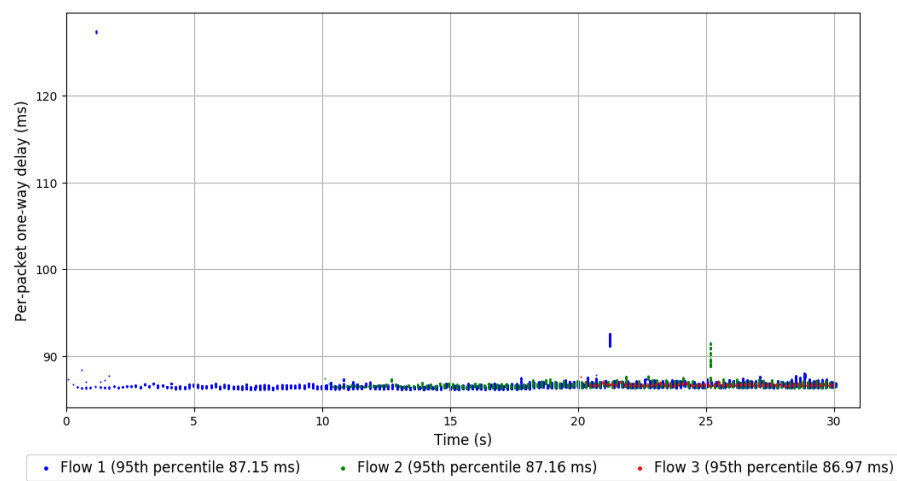
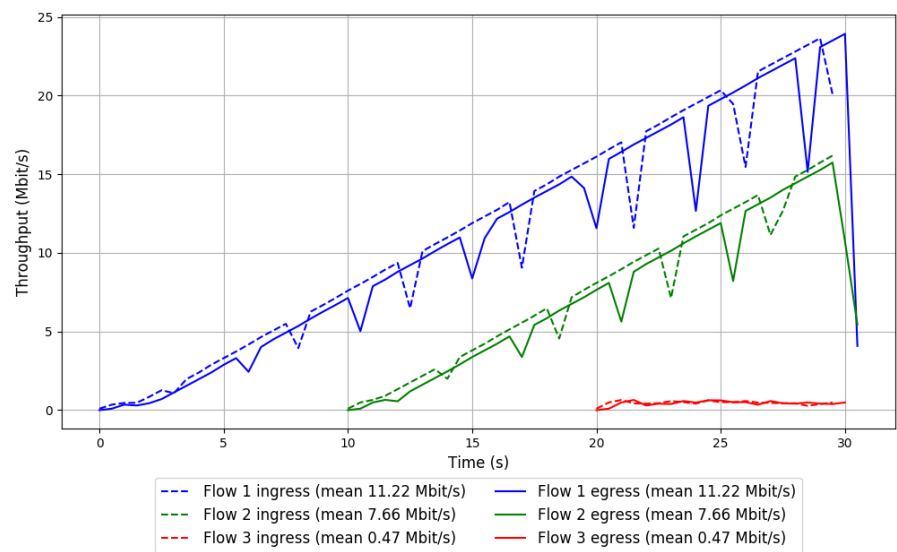


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 05:29:30  
End at: 2018-08-10 05:30:00  
Local clock offset: -0.409 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.46 Mbit/s  
95th percentile per-packet one-way delay: 87.150 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.22 Mbit/s  
95th percentile per-packet one-way delay: 87.148 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 7.66 Mbit/s  
95th percentile per-packet one-way delay: 87.160 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 86.975 ms  
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

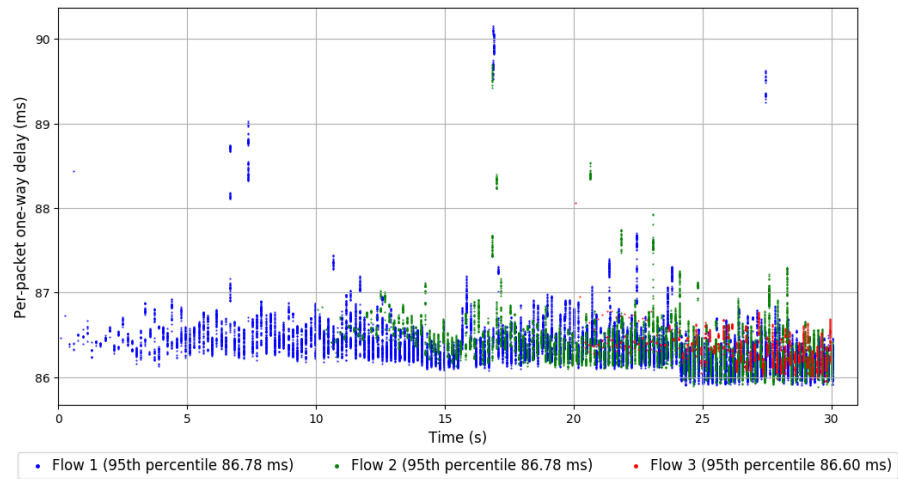
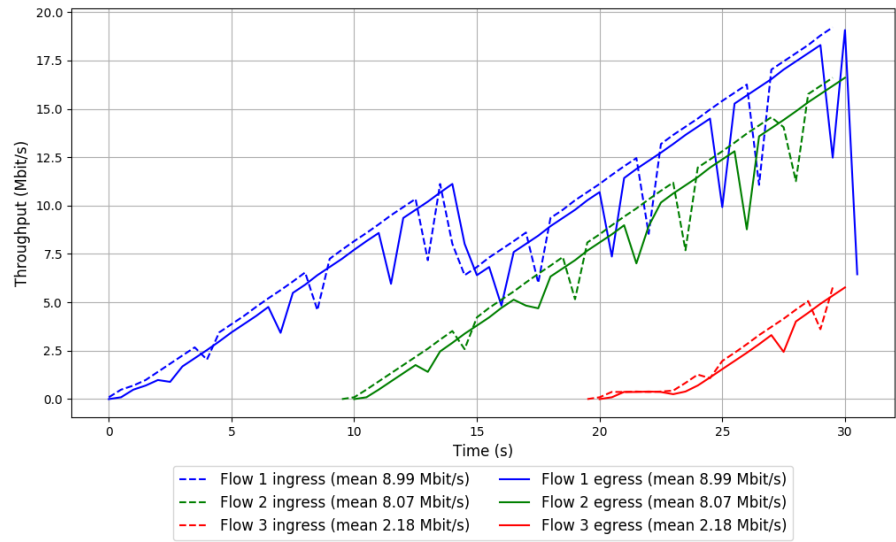


Run 8: Statistics of LEDBAT

Start at: 2018-08-10 05:56:44  
End at: 2018-08-10 05:57:14  
Local clock offset: -0.158 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 15.08 Mbit/s  
95th percentile per-packet one-way delay: 86.772 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 8.99 Mbit/s  
95th percentile per-packet one-way delay: 86.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.07 Mbit/s  
95th percentile per-packet one-way delay: 86.783 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 86.602 ms  
Loss rate: 0.00%

## Run 8: Report of LEDBAT — Data Link



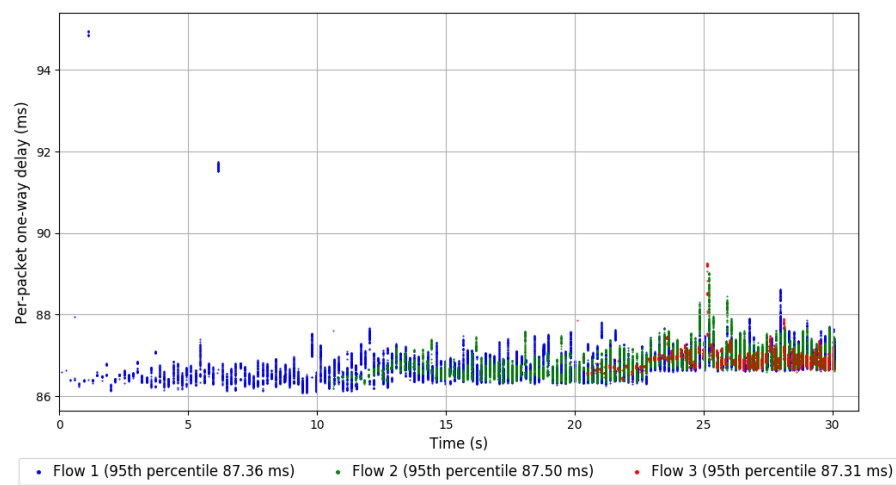
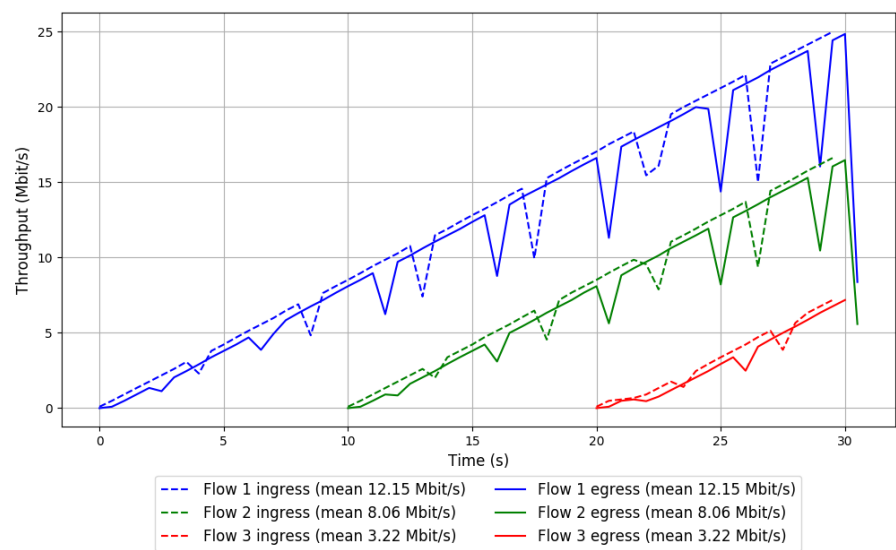
Run 9: Statistics of LEDBAT

Start at: 2018-08-10 06:23:36  
End at: 2018-08-10 06:24:06  
Local clock offset: -0.347 ms  
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.57 Mbit/s  
95th percentile per-packet one-way delay: 87.403 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.15 Mbit/s  
95th percentile per-packet one-way delay: 87.359 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.06 Mbit/s  
95th percentile per-packet one-way delay: 87.503 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.22 Mbit/s  
95th percentile per-packet one-way delay: 87.306 ms  
Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link

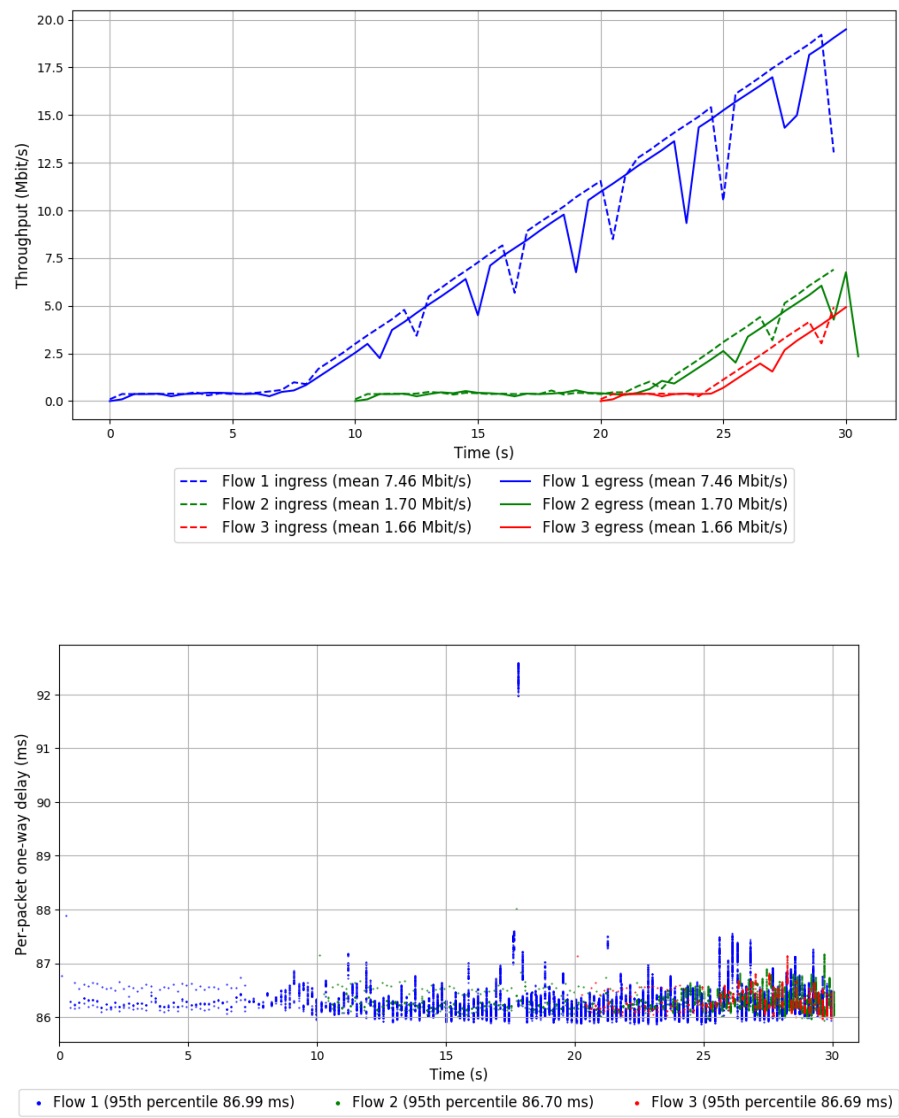


Run 10: Statistics of LEDBAT

Start at: 2018-08-10 06:50:43  
End at: 2018-08-10 06:51:13  
Local clock offset: -0.101 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-08-10 09:07:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.11 Mbit/s  
95th percentile per-packet one-way delay: 86.892 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 7.46 Mbit/s  
95th percentile per-packet one-way delay: 86.992 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.70 Mbit/s  
95th percentile per-packet one-way delay: 86.700 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 1.66 Mbit/s  
95th percentile per-packet one-way delay: 86.693 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

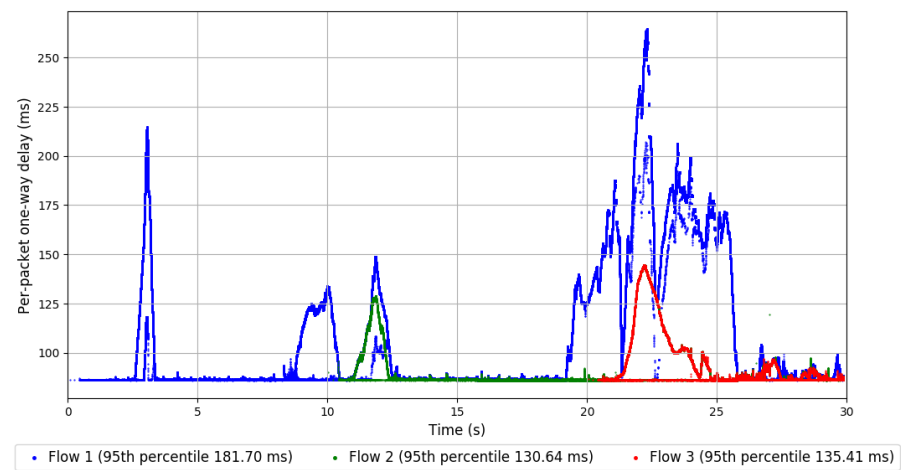
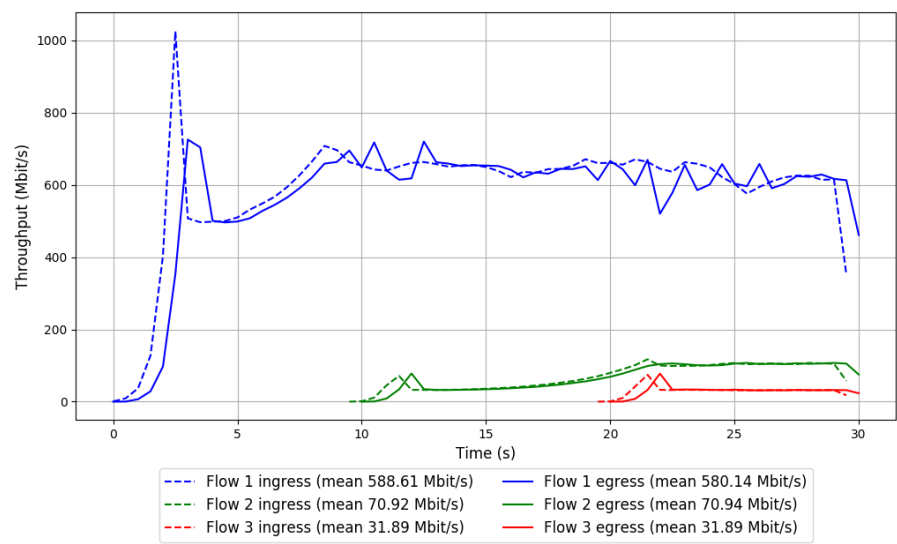


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 02:28:53
End at: 2018-08-10 02:29:23
Local clock offset: -0.085 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 09:10:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.87 Mbit/s
95th percentile per-packet one-way delay: 179.895 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 580.14 Mbit/s
95th percentile per-packet one-way delay: 181.702 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 130.643 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 135.409 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

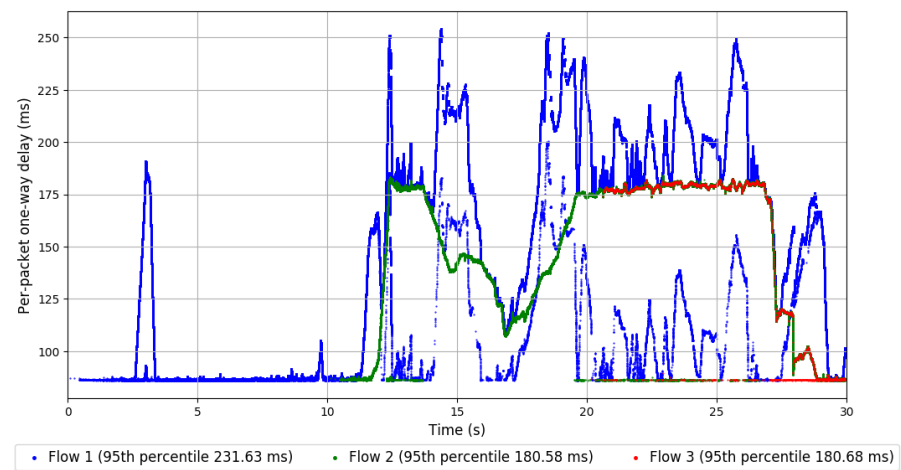
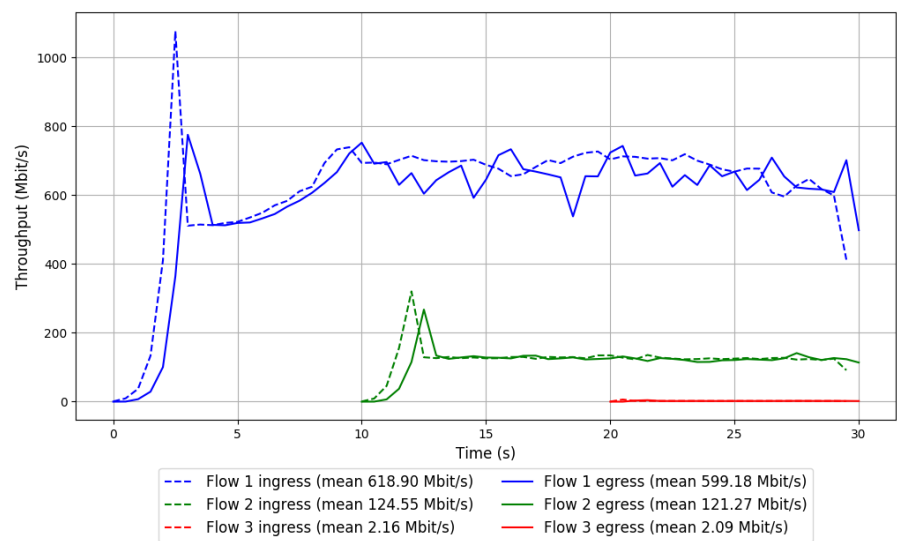


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 02:55:48  
End at: 2018-08-10 02:56:18  
Local clock offset: -0.238 ms  
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-08-10 09:11:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 680.42 Mbit/s  
95th percentile per-packet one-way delay: 229.914 ms  
Loss rate: 3.12%  
-- Flow 1:  
Average throughput: 599.18 Mbit/s  
95th percentile per-packet one-way delay: 231.631 ms  
Loss rate: 3.19%  
-- Flow 2:  
Average throughput: 121.27 Mbit/s  
95th percentile per-packet one-way delay: 180.578 ms  
Loss rate: 2.64%  
-- Flow 3:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 180.676 ms  
Loss rate: 3.18%

Run 2: Report of PCC-Allegro — Data Link



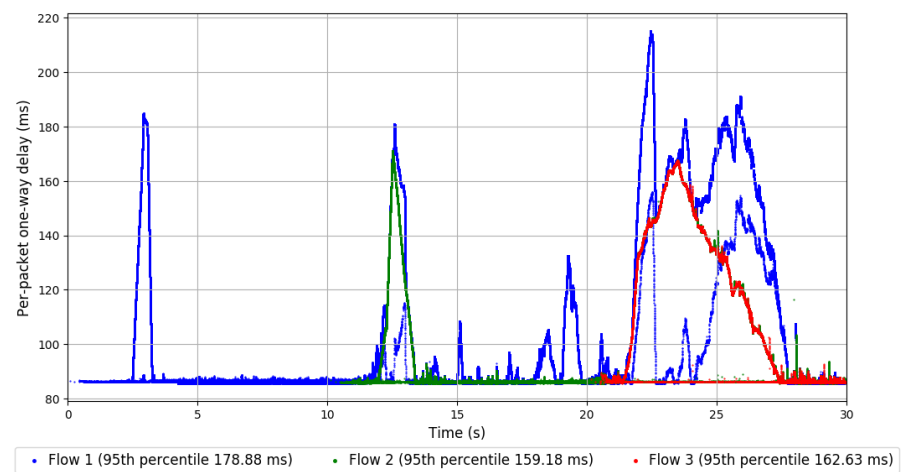
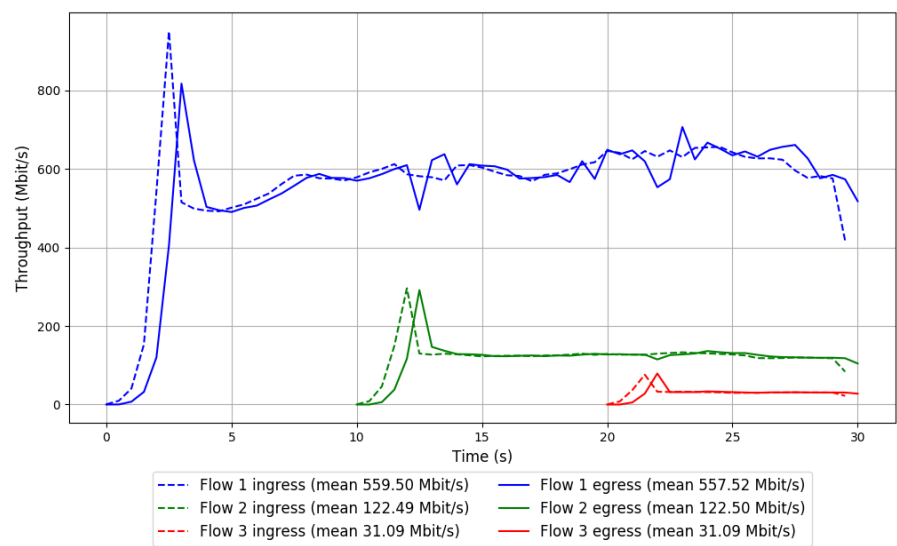
Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 03:23:04  
End at: 2018-08-10 03:23:34  
Local clock offset: 0.136 ms  
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-08-10 09:11:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 649.01 Mbit/s  
95th percentile per-packet one-way delay: 177.258 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 557.52 Mbit/s  
95th percentile per-packet one-way delay: 178.877 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 122.50 Mbit/s  
95th percentile per-packet one-way delay: 159.180 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.09 Mbit/s  
95th percentile per-packet one-way delay: 162.628 ms  
Loss rate: 0.00%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 03:50:24

End at: 2018-08-10 03:50:54

Local clock offset: 0.022 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-08-10 09:12:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 650.17 Mbit/s

95th percentile per-packet one-way delay: 238.991 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 606.73 Mbit/s

95th percentile per-packet one-way delay: 239.419 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 63.07 Mbit/s

95th percentile per-packet one-way delay: 180.631 ms

Loss rate: 0.38%

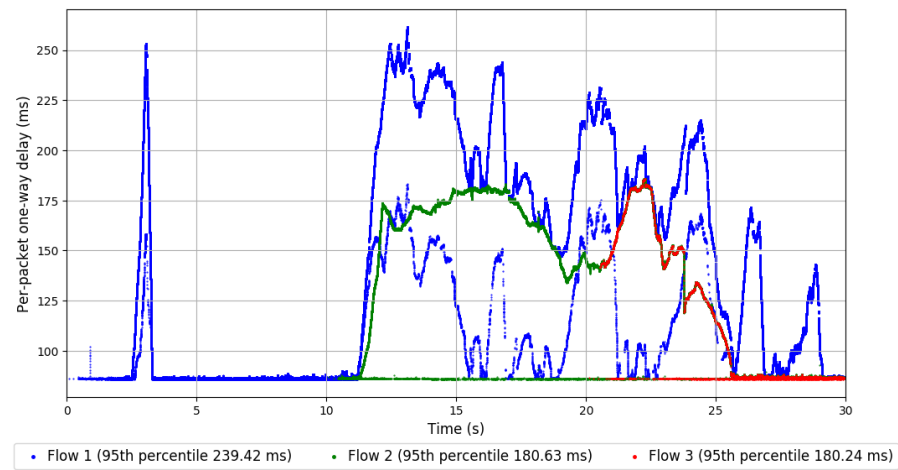
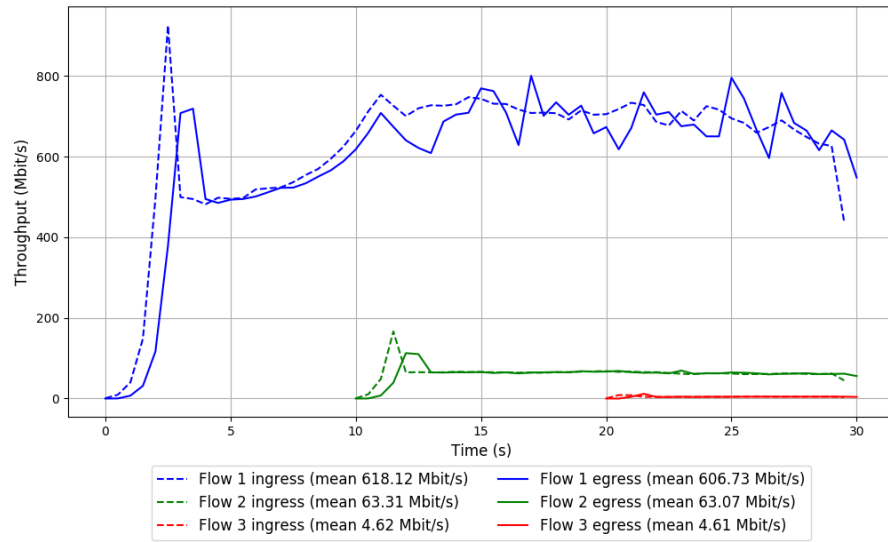
-- Flow 3:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 180.243 ms

Loss rate: 0.34%

# Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 04:17:48

End at: 2018-08-10 04:18:18

Local clock offset: -0.255 ms

Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-08-10 09:16:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 637.35 Mbit/s

95th percentile per-packet one-way delay: 193.987 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 538.80 Mbit/s

95th percentile per-packet one-way delay: 198.867 ms

Loss rate: 2.44%

-- Flow 2:

Average throughput: 131.79 Mbit/s

95th percentile per-packet one-way delay: 153.452 ms

Loss rate: 0.33%

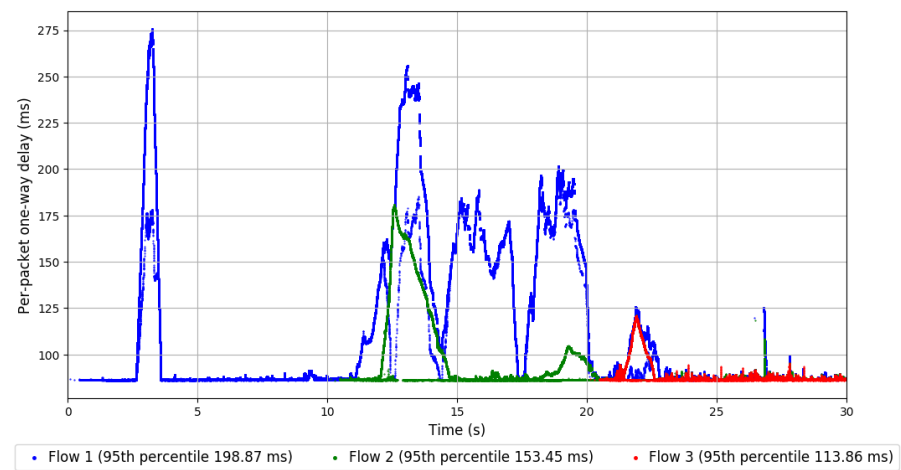
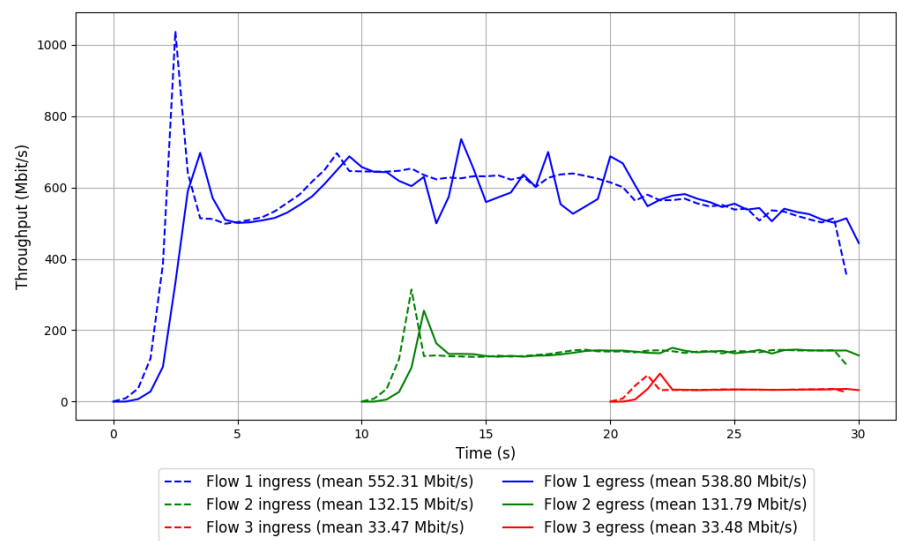
-- Flow 3:

Average throughput: 33.48 Mbit/s

95th percentile per-packet one-way delay: 113.856 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

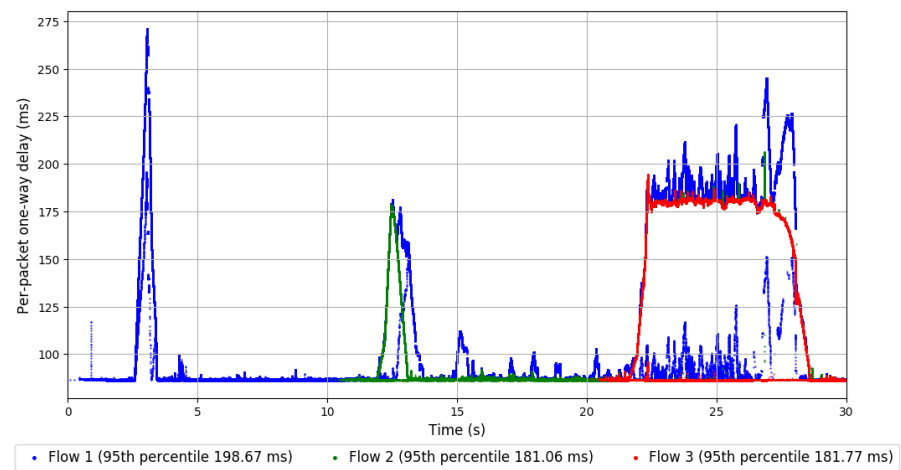
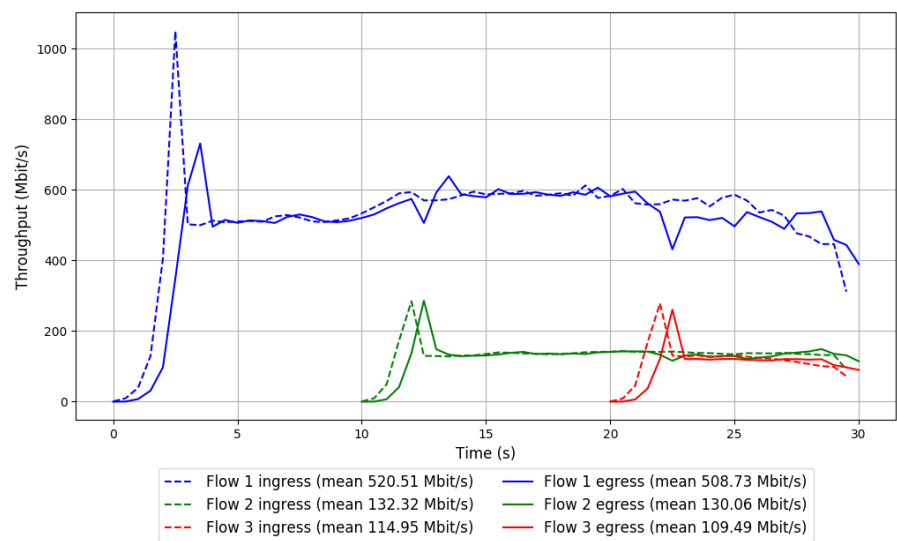


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 04:44:57  
End at: 2018-08-10 04:45:27  
Local clock offset: -0.46 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-08-10 09:17:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 631.19 Mbit/s  
95th percentile per-packet one-way delay: 194.989 ms  
Loss rate: 2.33%  
-- Flow 1:  
Average throughput: 508.73 Mbit/s  
95th percentile per-packet one-way delay: 198.667 ms  
Loss rate: 2.26%  
-- Flow 2:  
Average throughput: 130.06 Mbit/s  
95th percentile per-packet one-way delay: 181.057 ms  
Loss rate: 1.71%  
-- Flow 3:  
Average throughput: 109.49 Mbit/s  
95th percentile per-packet one-way delay: 181.770 ms  
Loss rate: 4.75%

Run 6: Report of PCC-Allegro — Data Link



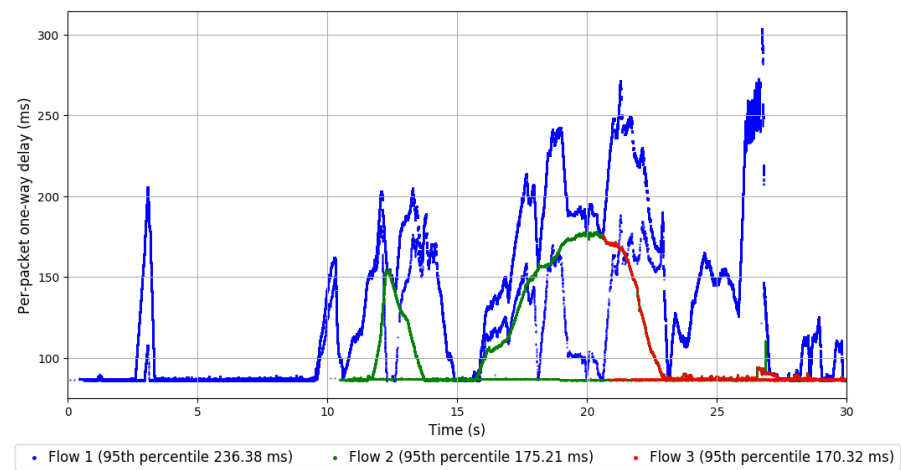
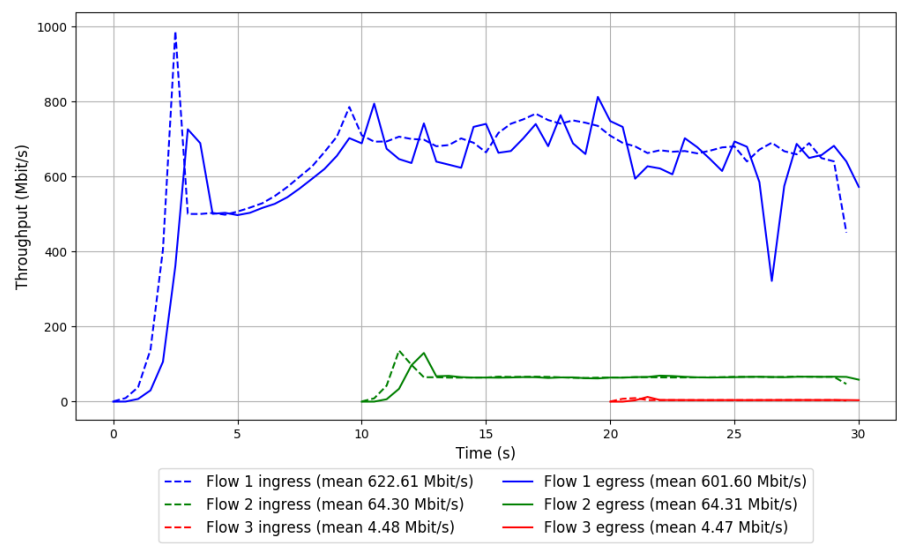
Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 05:12:00  
End at: 2018-08-10 05:12:30  
Local clock offset: -0.329 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-08-10 09:18:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 645.80 Mbit/s  
95th percentile per-packet one-way delay: 234.238 ms  
Loss rate: 3.15%  
-- Flow 1:  
Average throughput: 601.60 Mbit/s  
95th percentile per-packet one-way delay: 236.380 ms  
Loss rate: 3.37%  
-- Flow 2:  
Average throughput: 64.31 Mbit/s  
95th percentile per-packet one-way delay: 175.208 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.47 Mbit/s  
95th percentile per-packet one-way delay: 170.318 ms  
Loss rate: 0.03%



Run 7: Report of PCC-Allegro — Data Link

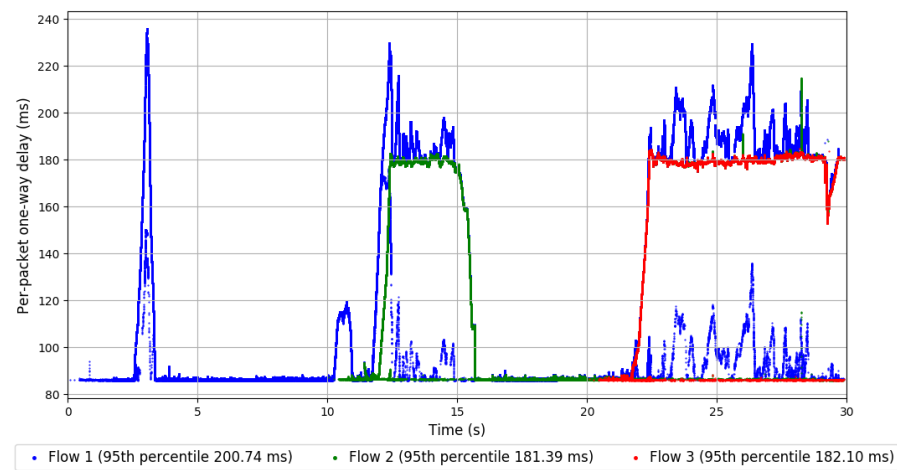
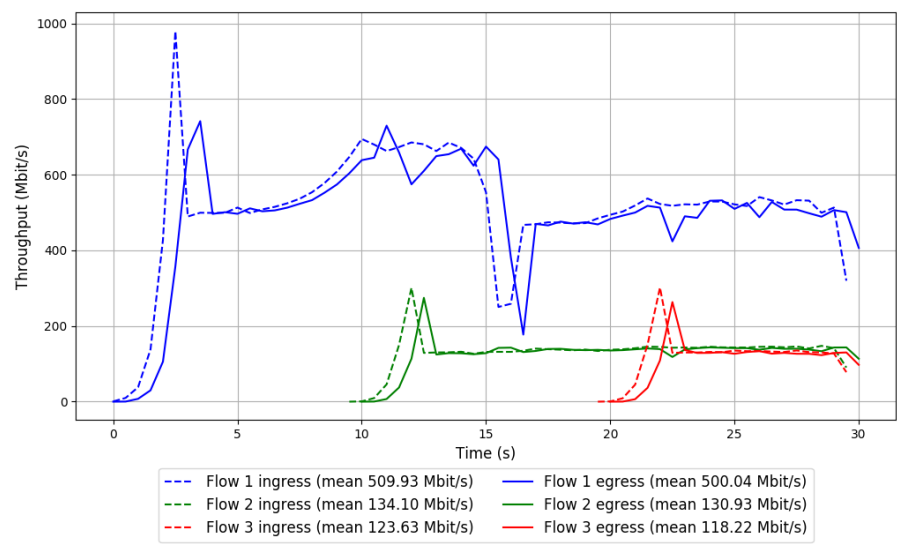


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 05:39:19  
End at: 2018-08-10 05:39:49  
Local clock offset: 0.041 ms  
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2018-08-10 09:18:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 626.07 Mbit/s
95th percentile per-packet one-way delay: 198.300 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 500.04 Mbit/s
95th percentile per-packet one-way delay: 200.737 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 130.93 Mbit/s
95th percentile per-packet one-way delay: 181.386 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 118.22 Mbit/s
95th percentile per-packet one-way delay: 182.097 ms
Loss rate: 4.36%
```

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 06:06:18

End at: 2018-08-10 06:06:48

Local clock offset: 0.121 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-08-10 09:21:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 652.13 Mbit/s

95th percentile per-packet one-way delay: 217.472 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 557.38 Mbit/s

95th percentile per-packet one-way delay: 219.206 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 126.07 Mbit/s

95th percentile per-packet one-way delay: 161.019 ms

Loss rate: 0.34%

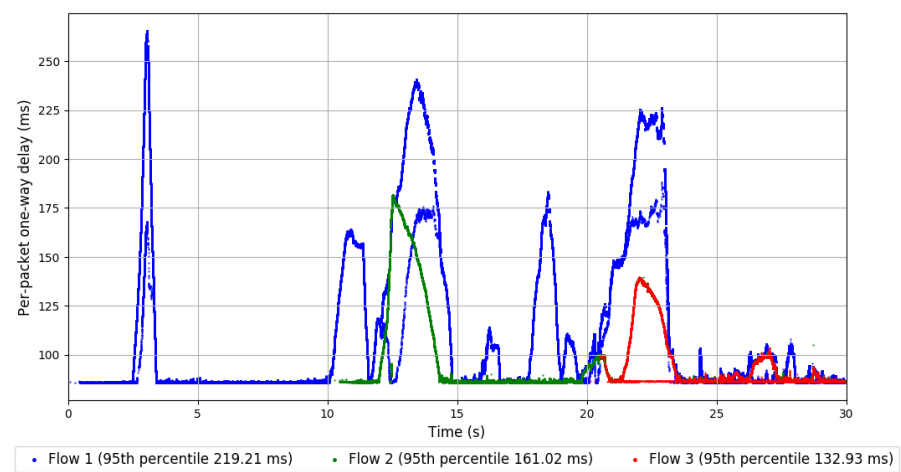
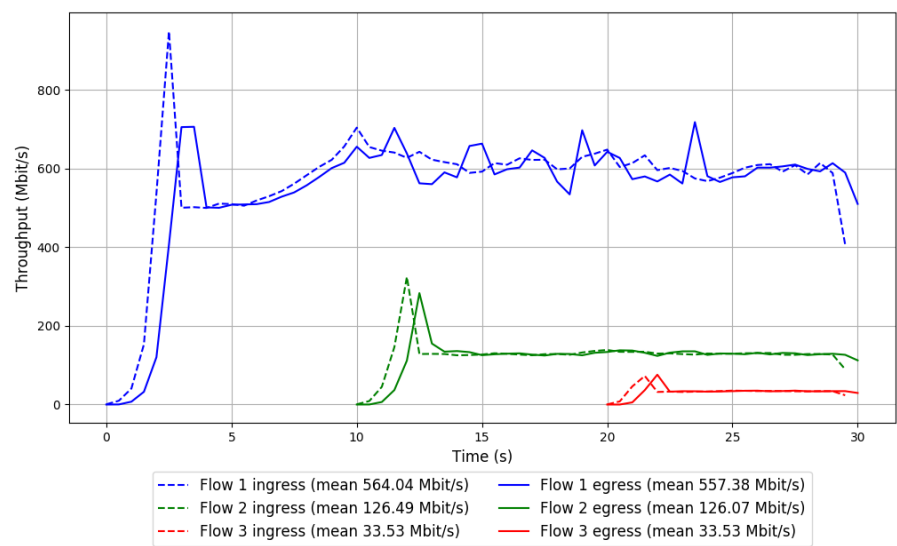
-- Flow 3:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 132.928 ms

Loss rate: 0.01%

Run 9: Report of PCC-Allegro — Data Link

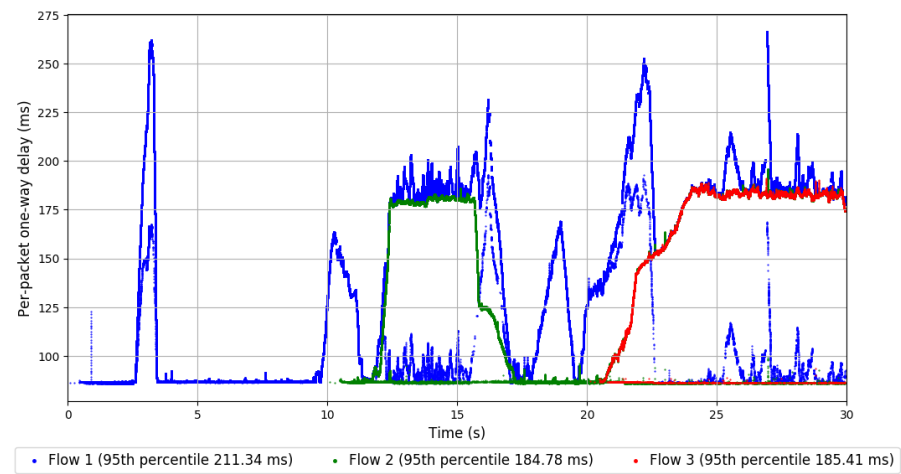
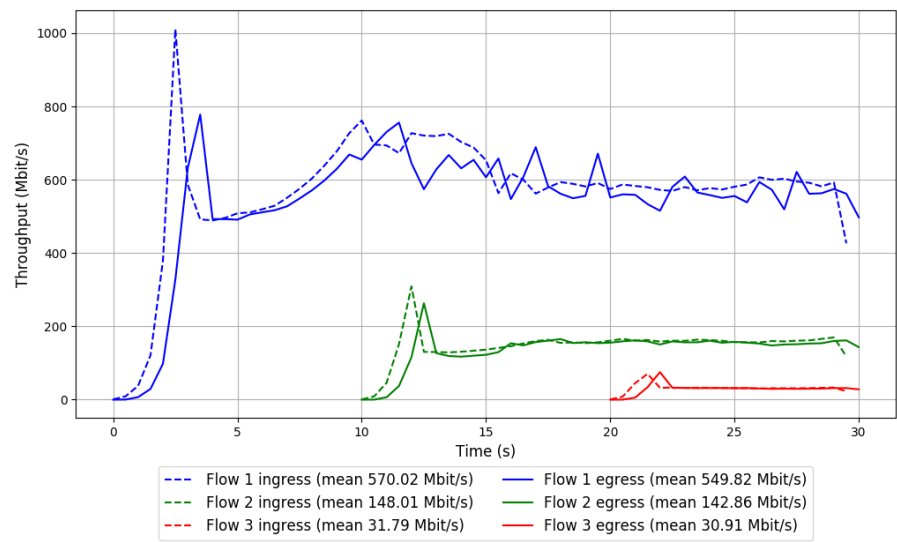


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 06:33:26  
End at: 2018-08-10 06:33:56  
Local clock offset: -0.141 ms  
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-08-10 09:23:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 654.94 Mbit/s  
95th percentile per-packet one-way delay: 207.822 ms  
Loss rate: 3.50%  
-- Flow 1:  
Average throughput: 549.82 Mbit/s  
95th percentile per-packet one-way delay: 211.337 ms  
Loss rate: 3.53%  
-- Flow 2:  
Average throughput: 142.86 Mbit/s  
95th percentile per-packet one-way delay: 184.778 ms  
Loss rate: 3.46%  
-- Flow 3:  
Average throughput: 30.91 Mbit/s  
95th percentile per-packet one-way delay: 185.412 ms  
Loss rate: 2.73%

Run 10: Report of PCC-Allegro — Data Link



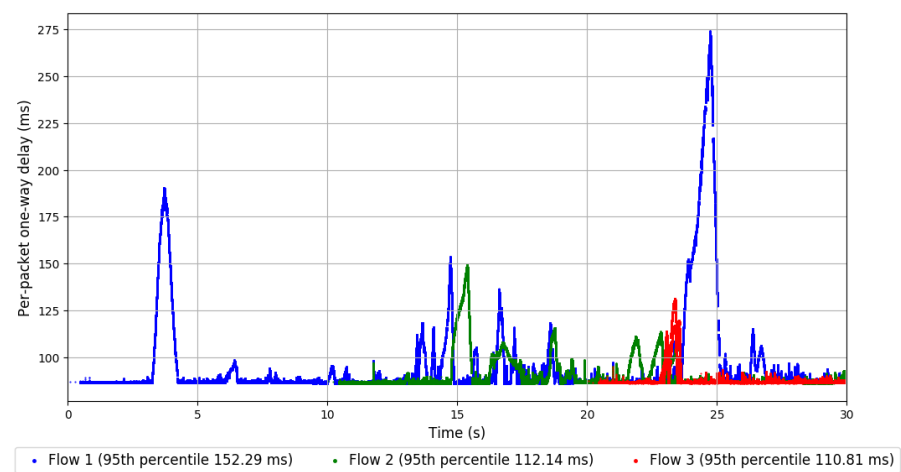
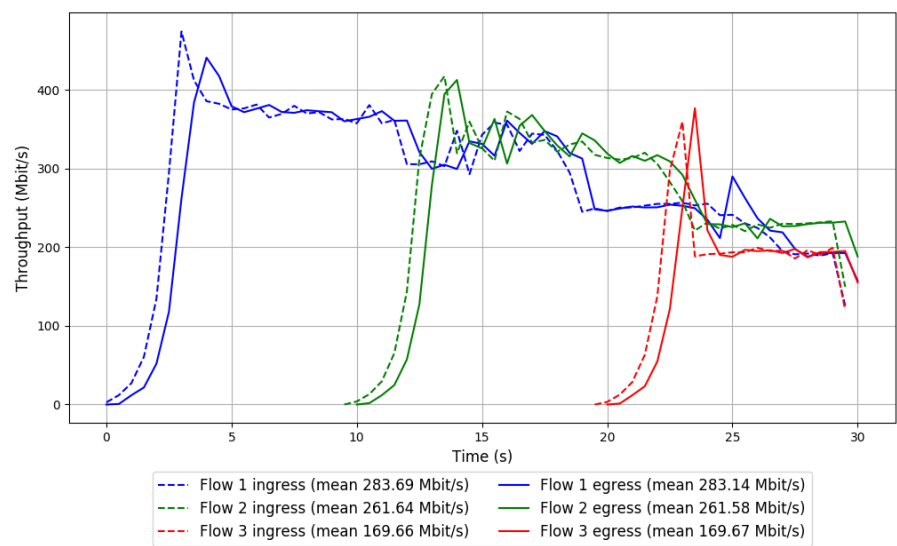
```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 02:33:29
End at: 2018-08-10 02:33:59
Local clock offset: -0.288 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-08-10 09:28:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 513.51 Mbit/s
95th percentile per-packet one-way delay: 128.295 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 283.14 Mbit/s
95th percentile per-packet one-way delay: 152.288 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 261.58 Mbit/s
95th percentile per-packet one-way delay: 112.136 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 169.67 Mbit/s
95th percentile per-packet one-way delay: 110.815 ms
Loss rate: 0.00%
```



Run 1: Report of PCC-Expr — Data Link

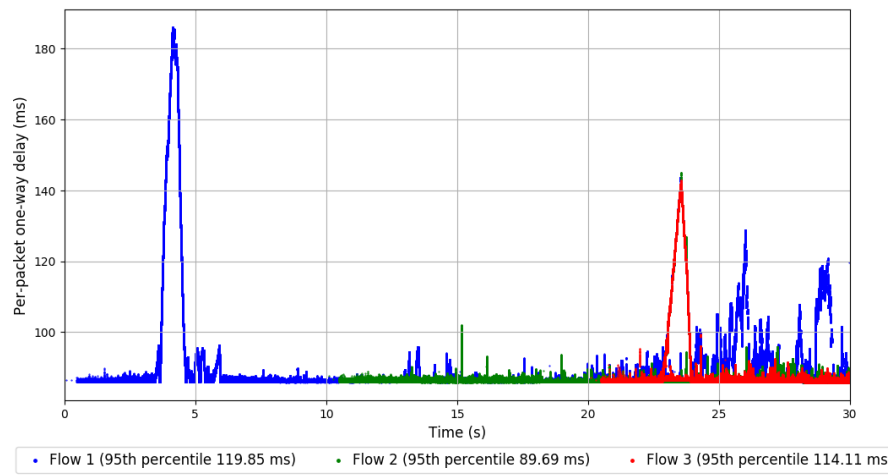
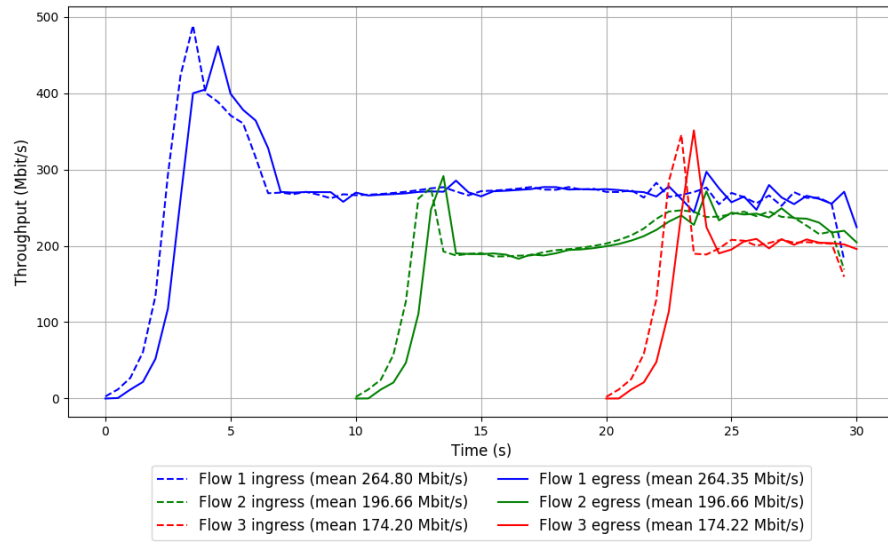


Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 03:00:30  
End at: 2018-08-10 03:01:00  
Local clock offset: -0.085 ms  
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-08-10 09:28:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 452.52 Mbit/s  
95th percentile per-packet one-way delay: 112.927 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 264.35 Mbit/s  
95th percentile per-packet one-way delay: 119.853 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 196.66 Mbit/s  
95th percentile per-packet one-way delay: 89.692 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 174.22 Mbit/s  
95th percentile per-packet one-way delay: 114.106 ms  
Loss rate: 0.00%

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



Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 03:27:40

End at: 2018-08-10 03:28:10

Local clock offset: -0.174 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-08-10 09:31:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 446.07 Mbit/s

95th percentile per-packet one-way delay: 108.602 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 295.24 Mbit/s

95th percentile per-packet one-way delay: 116.074 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.19 Mbit/s

95th percentile per-packet one-way delay: 89.051 ms

Loss rate: 0.00%

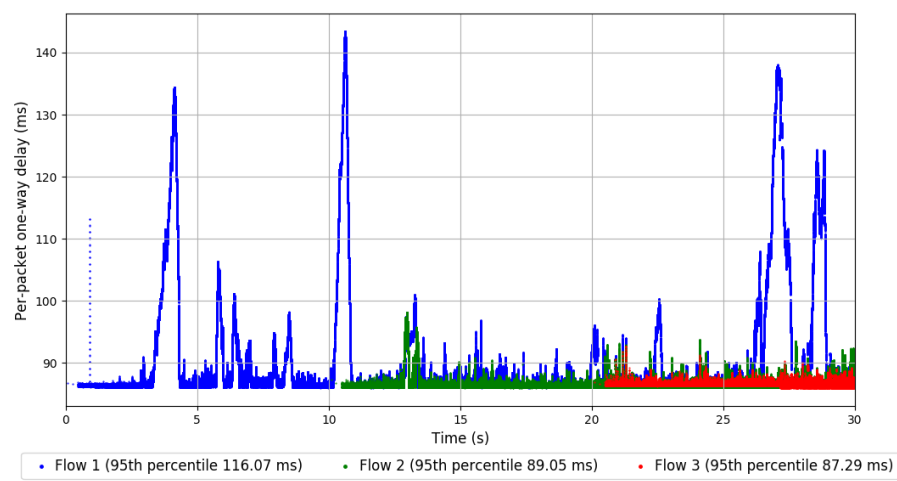
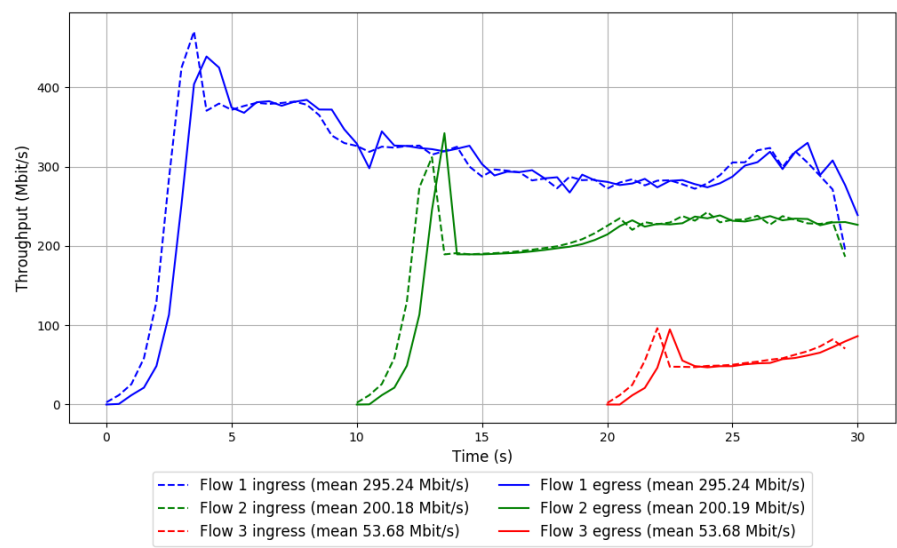
-- Flow 3:

Average throughput: 53.68 Mbit/s

95th percentile per-packet one-way delay: 87.288 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 03:55:10

End at: 2018-08-10 03:55:40

Local clock offset: -0.22 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-08-10 09:32:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 468.96 Mbit/s

95th percentile per-packet one-way delay: 159.408 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 286.03 Mbit/s

95th percentile per-packet one-way delay: 179.172 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 194.68 Mbit/s

95th percentile per-packet one-way delay: 118.115 ms

Loss rate: 0.00%

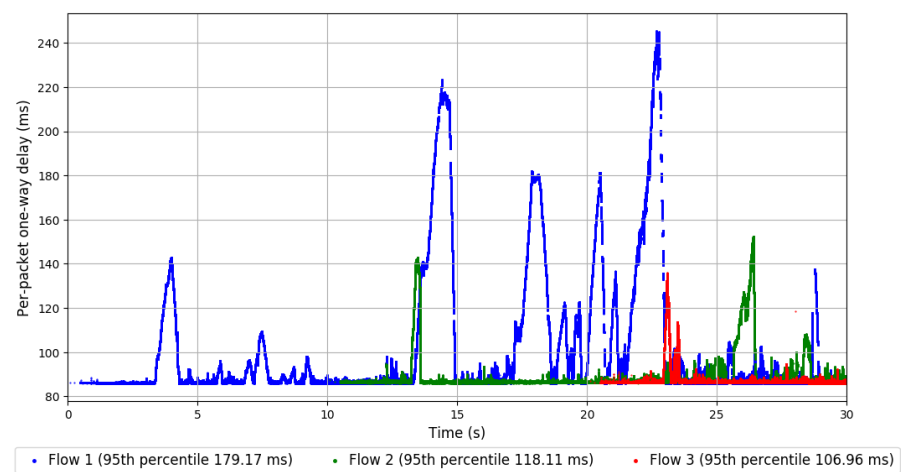
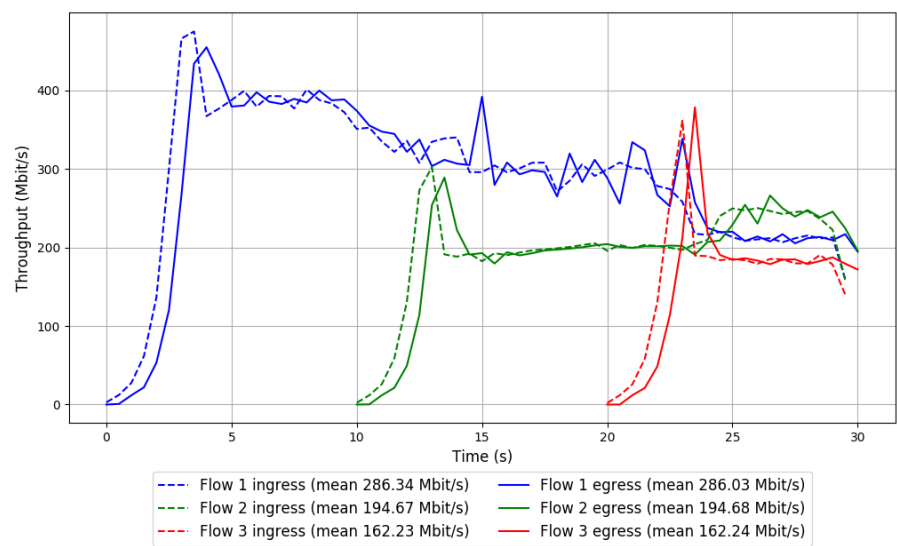
-- Flow 3:

Average throughput: 162.24 Mbit/s

95th percentile per-packet one-way delay: 106.962 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



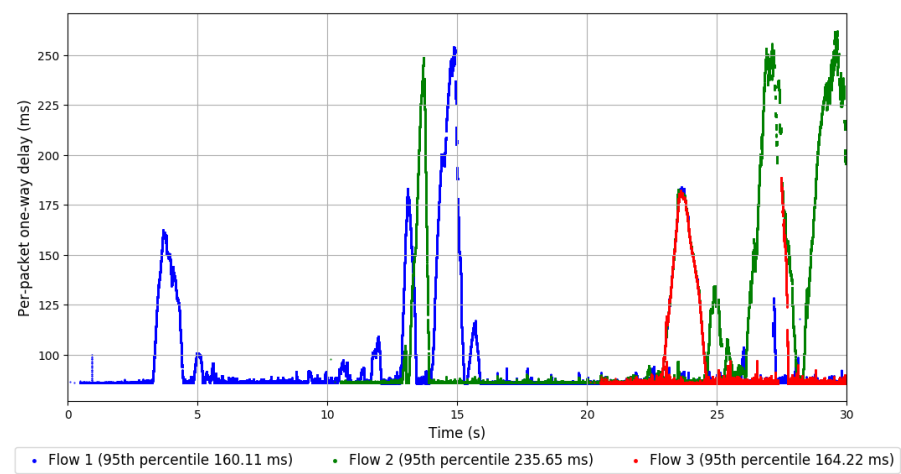
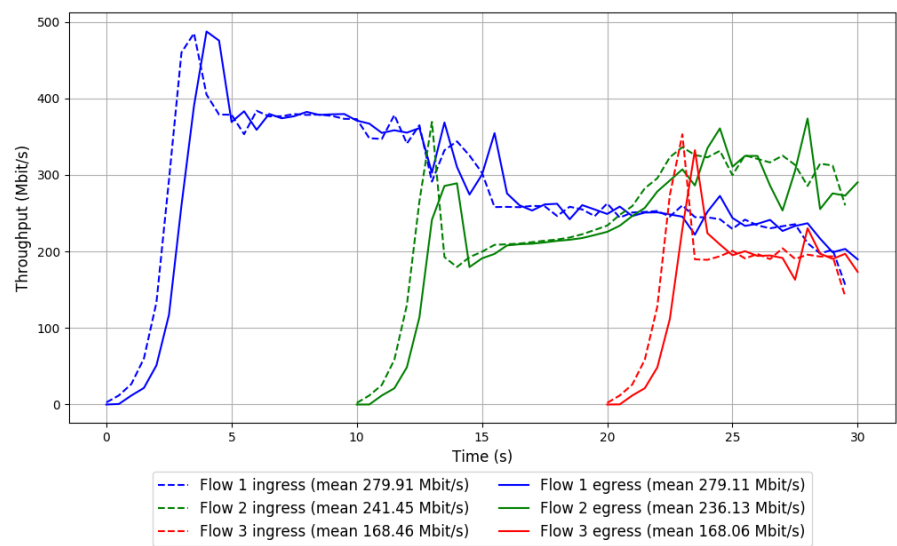
Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 04:22:26  
End at: 2018-08-10 04:22:56  
Local clock offset: -0.144 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-08-10 09:34:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 491.53 Mbit/s  
95th percentile per-packet one-way delay: 199.413 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 279.11 Mbit/s  
95th percentile per-packet one-way delay: 160.112 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 236.13 Mbit/s  
95th percentile per-packet one-way delay: 235.653 ms  
Loss rate: 2.25%  
-- Flow 3:  
Average throughput: 168.06 Mbit/s  
95th percentile per-packet one-way delay: 164.222 ms  
Loss rate: 0.24%



Run 5: Report of PCC-Expr — Data Link

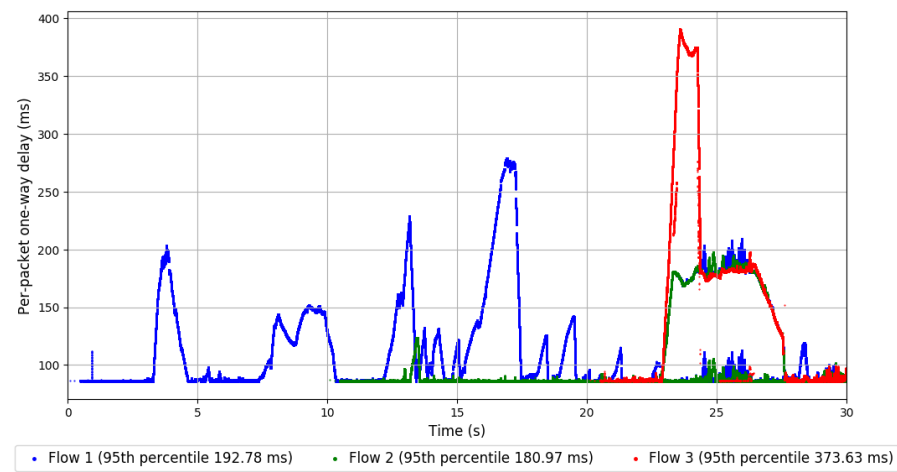
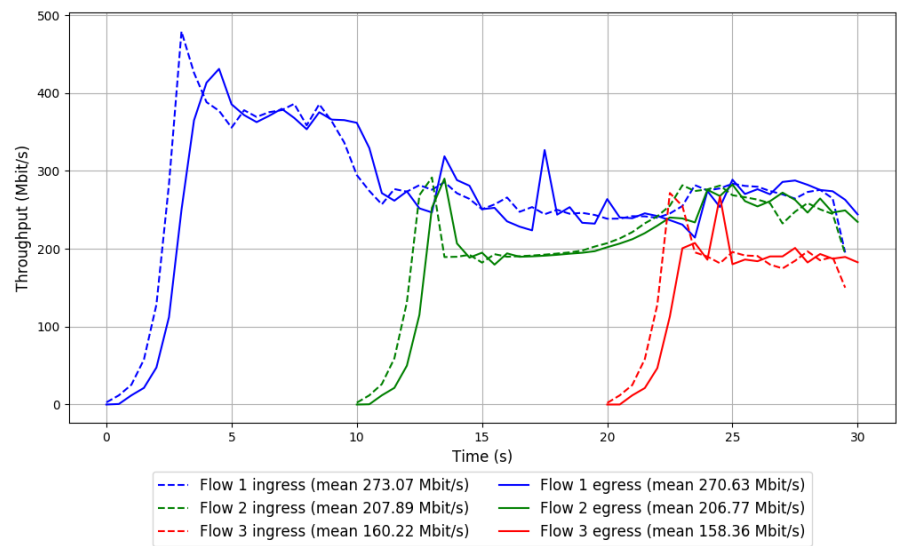


Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 04:49:32  
End at: 2018-08-10 04:50:02  
Local clock offset: -0.077 ms  
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-08-10 09:34:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 460.34 Mbit/s  
95th percentile per-packet one-way delay: 192.837 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 270.63 Mbit/s  
95th percentile per-packet one-way delay: 192.785 ms  
Loss rate: 0.89%  
-- Flow 2:  
Average throughput: 206.77 Mbit/s  
95th percentile per-packet one-way delay: 180.973 ms  
Loss rate: 0.53%  
-- Flow 3:  
Average throughput: 158.36 Mbit/s  
95th percentile per-packet one-way delay: 373.628 ms  
Loss rate: 1.15%

Run 6: Report of PCC-Expr — Data Link

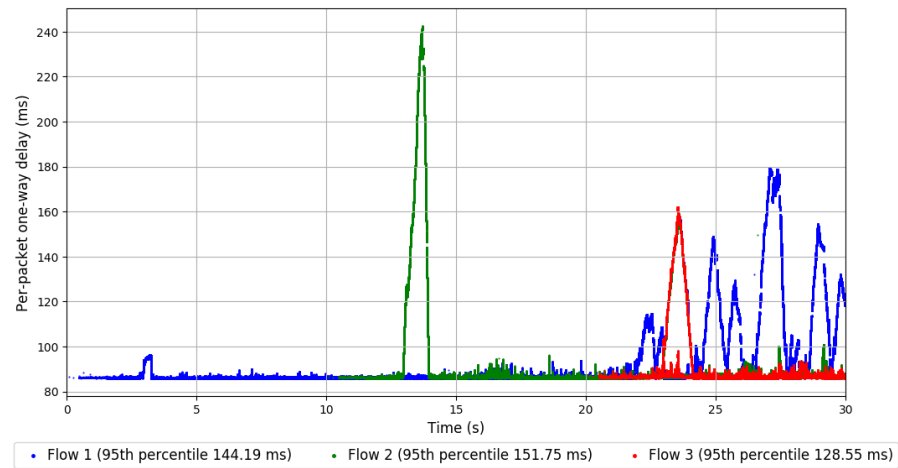
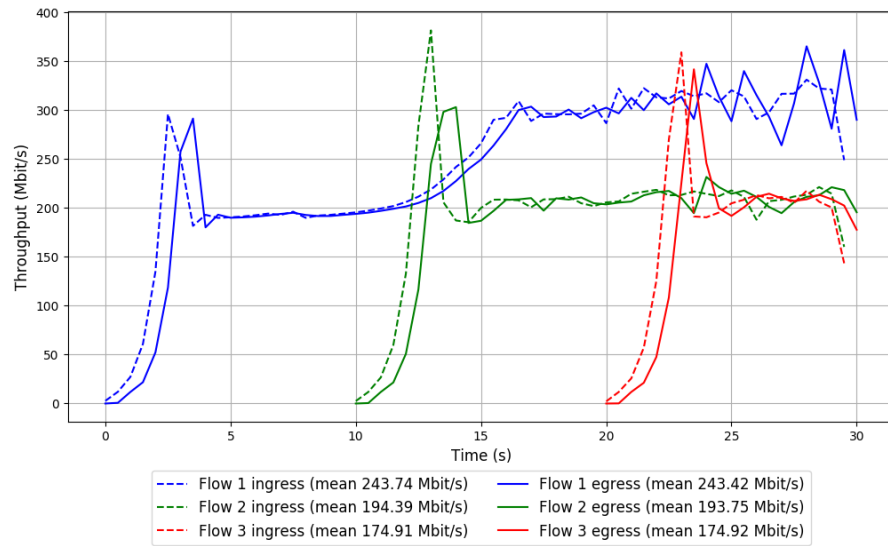


Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 05:16:45  
End at: 2018-08-10 05:17:15  
Local clock offset: -0.176 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-08-10 09:36:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 429.97 Mbit/s  
95th percentile per-packet one-way delay: 143.760 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 243.42 Mbit/s  
95th percentile per-packet one-way delay: 144.193 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 193.75 Mbit/s  
95th percentile per-packet one-way delay: 151.750 ms  
Loss rate: 0.33%  
-- Flow 3:  
Average throughput: 174.92 Mbit/s  
95th percentile per-packet one-way delay: 128.554 ms  
Loss rate: 0.00%

## Run 7: Report of PCC-Expr — Data Link

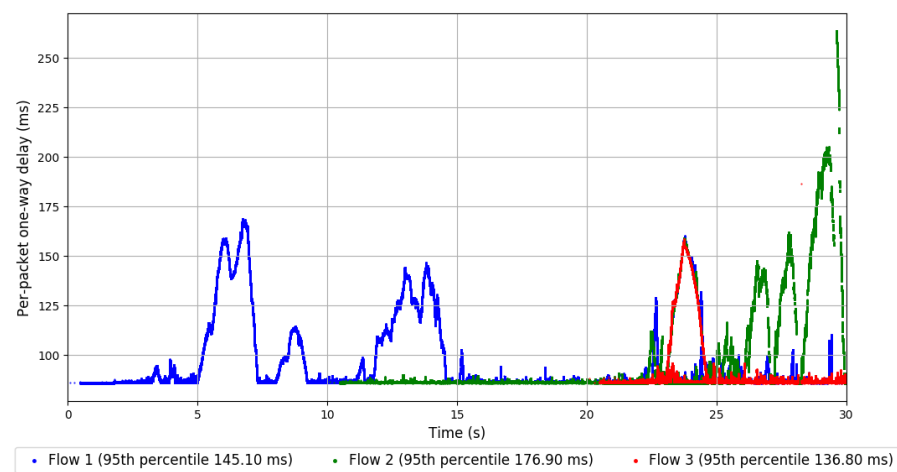
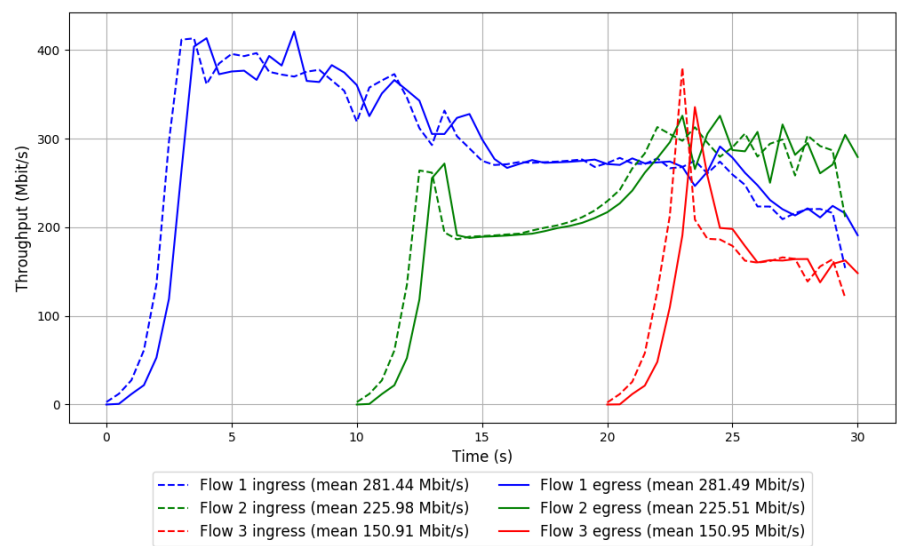


Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 05:43:57  
End at: 2018-08-10 05:44:27  
Local clock offset: -0.15 ms  
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-08-10 09:40:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 481.24 Mbit/s  
95th percentile per-packet one-way delay: 151.616 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 281.49 Mbit/s  
95th percentile per-packet one-way delay: 145.105 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 225.51 Mbit/s  
95th percentile per-packet one-way delay: 176.903 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 150.95 Mbit/s  
95th percentile per-packet one-way delay: 136.801 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



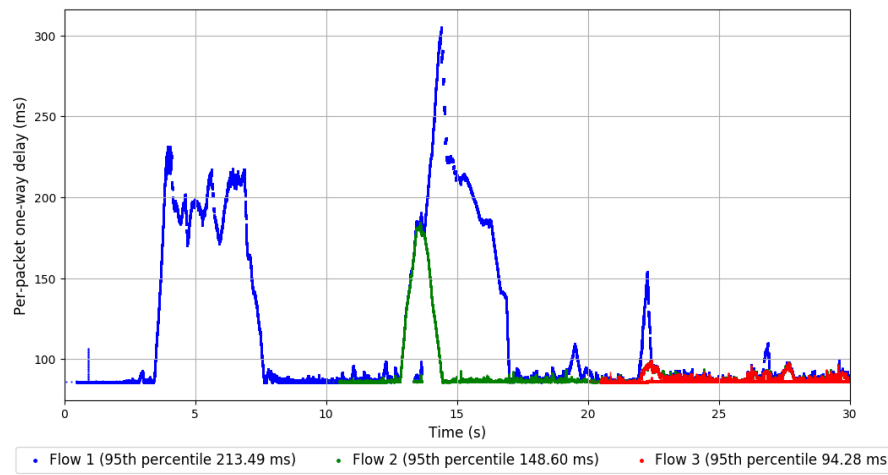
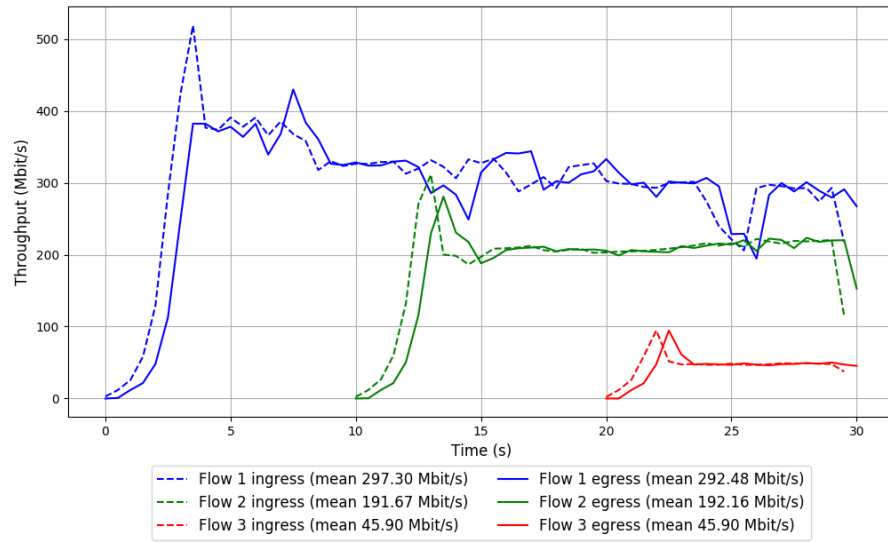
Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 06:10:56  
End at: 2018-08-10 06:11:26  
Local clock offset: 0.01 ms  
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-08-10 09:42:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 434.85 Mbit/s  
95th percentile per-packet one-way delay: 210.977 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 292.48 Mbit/s  
95th percentile per-packet one-way delay: 213.485 ms  
Loss rate: 1.62%  
-- Flow 2:  
Average throughput: 192.16 Mbit/s  
95th percentile per-packet one-way delay: 148.602 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 45.90 Mbit/s  
95th percentile per-packet one-way delay: 94.283 ms  
Loss rate: 0.00%



# Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 06:38:04

End at: 2018-08-10 06:38:34

Local clock offset: -0.071 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-08-10 09:42:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 410.32 Mbit/s

95th percentile per-packet one-way delay: 219.992 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 260.78 Mbit/s

95th percentile per-packet one-way delay: 228.989 ms

Loss rate: 2.23%

-- Flow 2:

Average throughput: 181.22 Mbit/s

95th percentile per-packet one-way delay: 106.024 ms

Loss rate: 0.00%

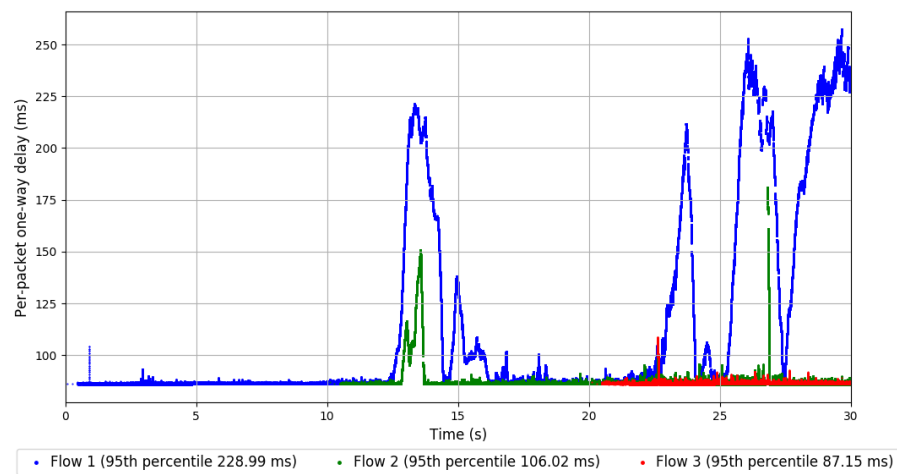
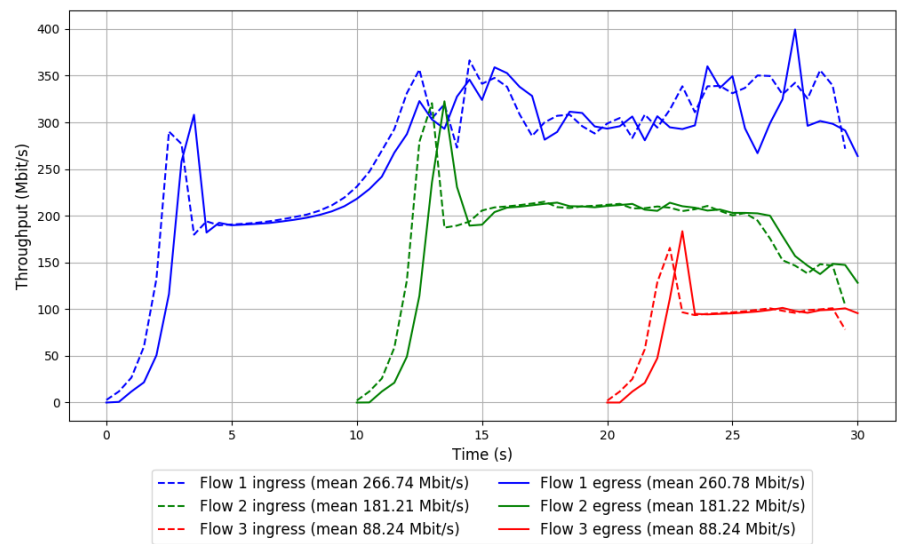
-- Flow 3:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 87.149 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

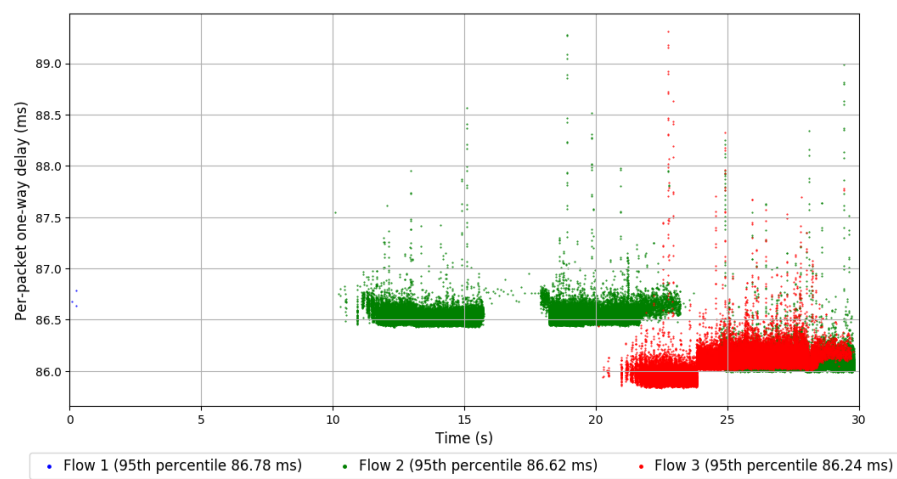
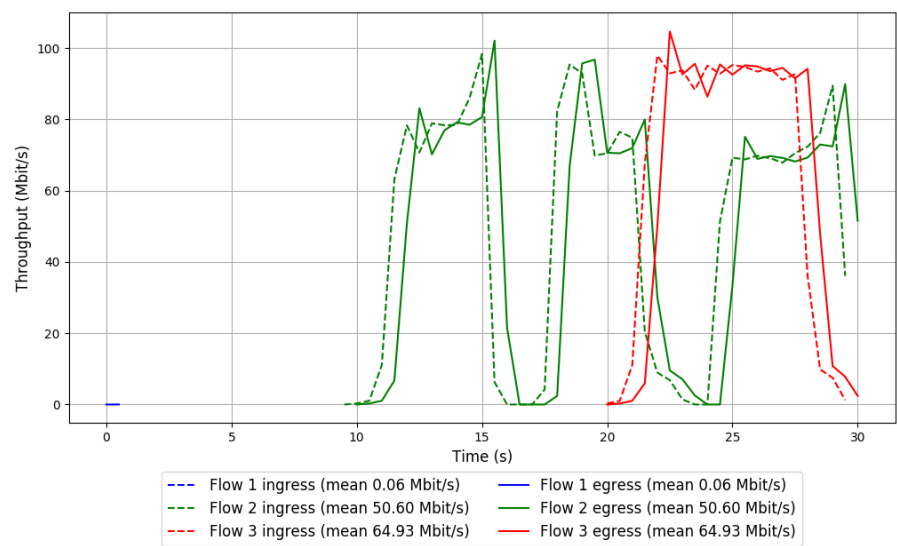


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 02:32:14  
End at: 2018-08-10 02:32:44  
Local clock offset: -0.133 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-08-10 09:42:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.72 Mbit/s  
95th percentile per-packet one-way delay: 86.599 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 86.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.60 Mbit/s  
95th percentile per-packet one-way delay: 86.625 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 64.93 Mbit/s  
95th percentile per-packet one-way delay: 86.240 ms  
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

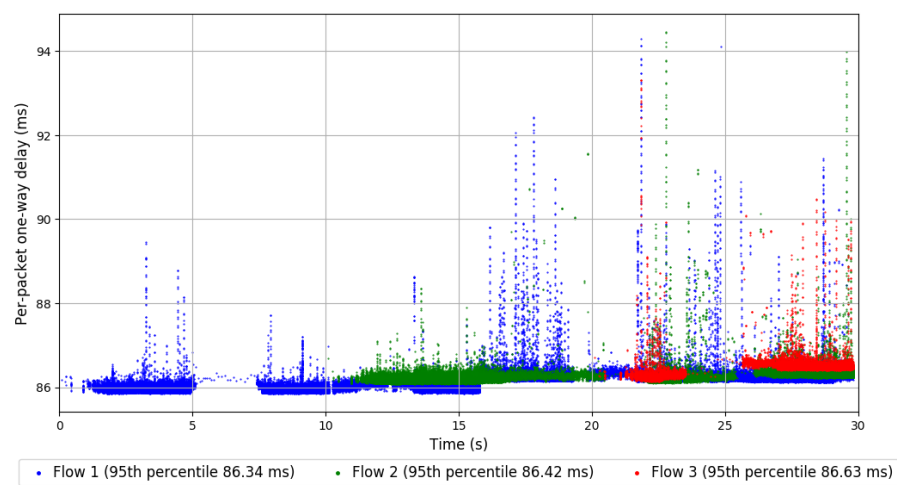
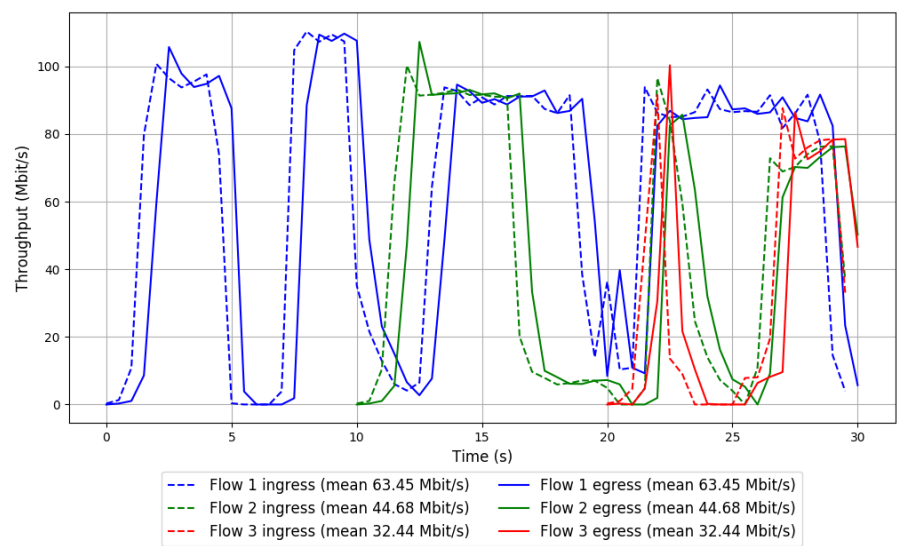


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 02:59:13  
End at: 2018-08-10 02:59:43  
Local clock offset: -0.163 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-08-10 09:42:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 103.66 Mbit/s  
95th percentile per-packet one-way delay: 86.501 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 63.45 Mbit/s  
95th percentile per-packet one-way delay: 86.337 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.68 Mbit/s  
95th percentile per-packet one-way delay: 86.418 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.44 Mbit/s  
95th percentile per-packet one-way delay: 86.629 ms  
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



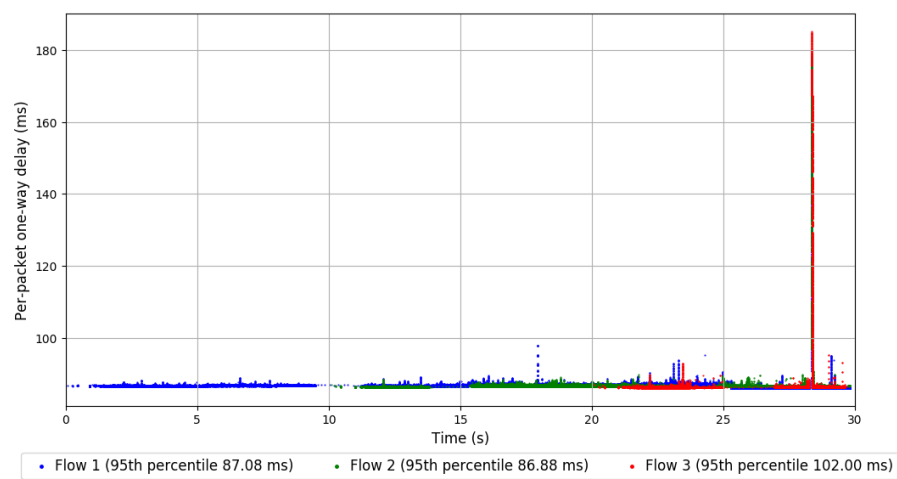
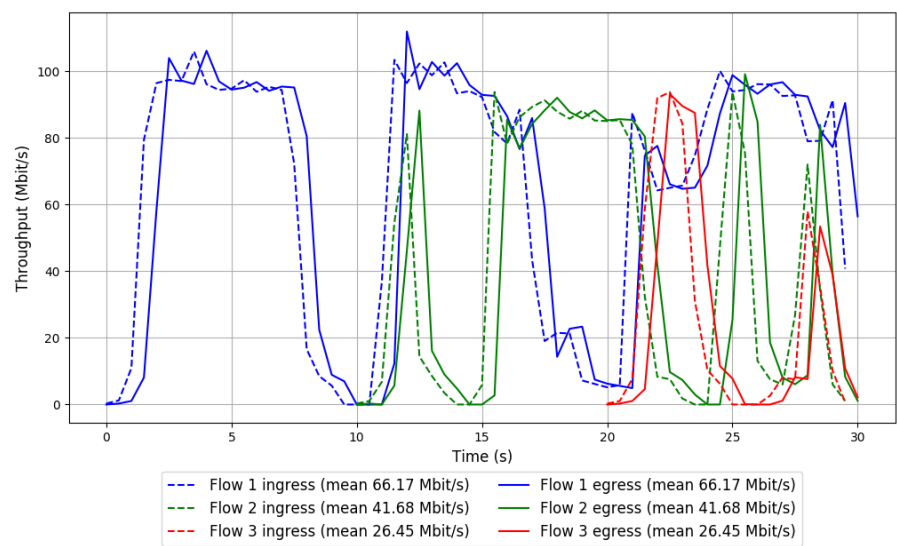
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 03:26:23  
End at: 2018-08-10 03:26:53  
Local clock offset: -0.341 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-08-10 09:42:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 102.36 Mbit/s  
95th percentile per-packet one-way delay: 87.070 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.17 Mbit/s  
95th percentile per-packet one-way delay: 87.083 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.68 Mbit/s  
95th percentile per-packet one-way delay: 86.883 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 101.998 ms  
Loss rate: 0.00%



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 03:53:52

End at: 2018-08-10 03:54:22

Local clock offset: -0.101 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-08-10 09:42:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 99.08 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.96 Mbit/s

95th percentile per-packet one-way delay: 86.622 ms

Loss rate: 0.00%

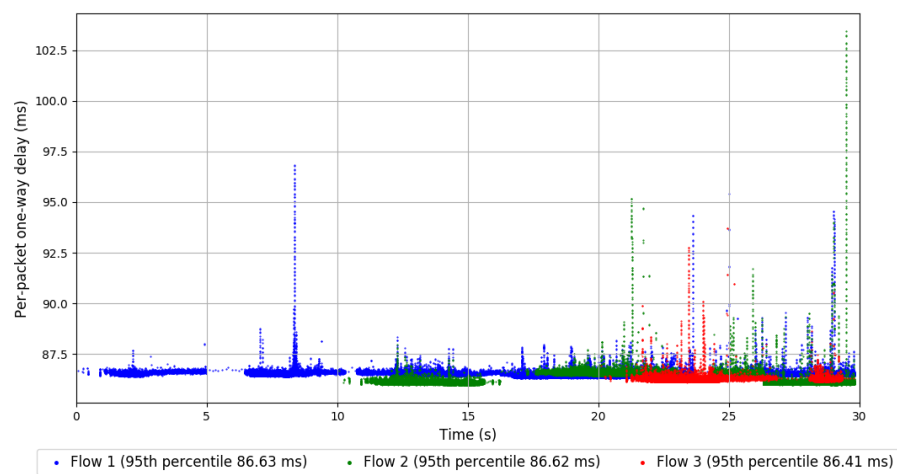
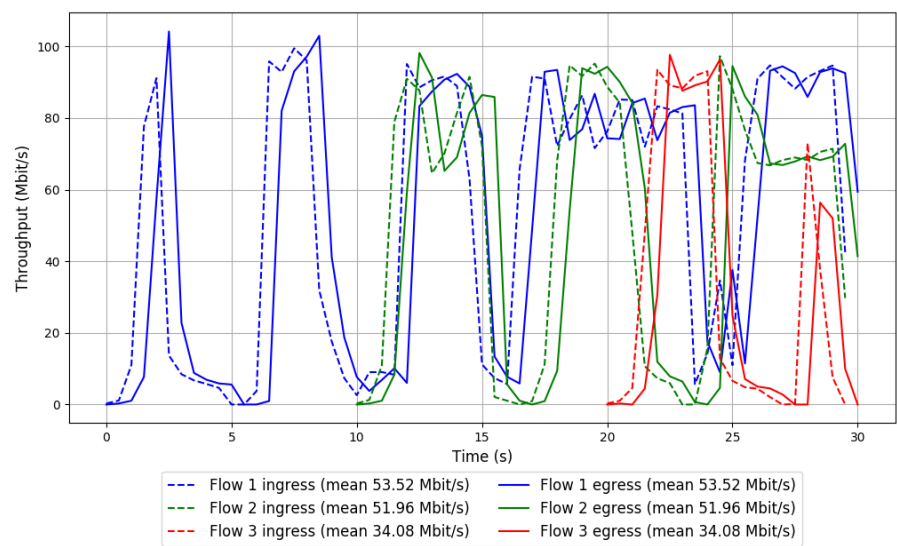
-- Flow 3:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 04:21:08

End at: 2018-08-10 04:21:38

Local clock offset: -0.115 ms

Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2018-08-10 09:42:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 106.96 Mbit/s

95th percentile per-packet one-way delay: 86.533 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.87 Mbit/s

95th percentile per-packet one-way delay: 86.558 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.00 Mbit/s

95th percentile per-packet one-way delay: 86.184 ms

Loss rate: 0.00%

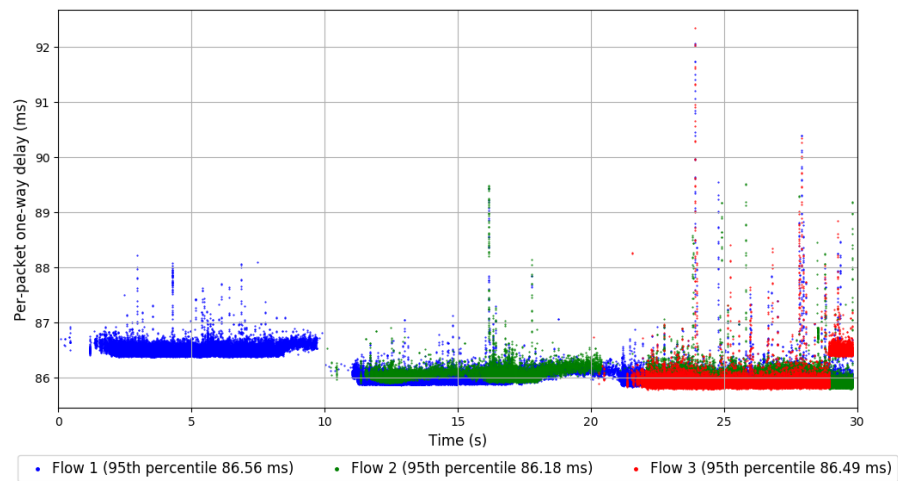
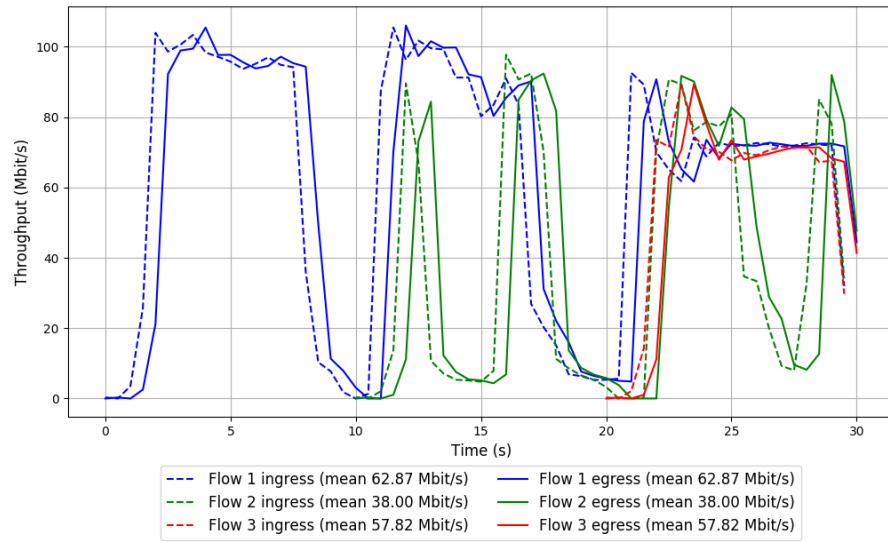
-- Flow 3:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 86.488 ms

Loss rate: 0.00%

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

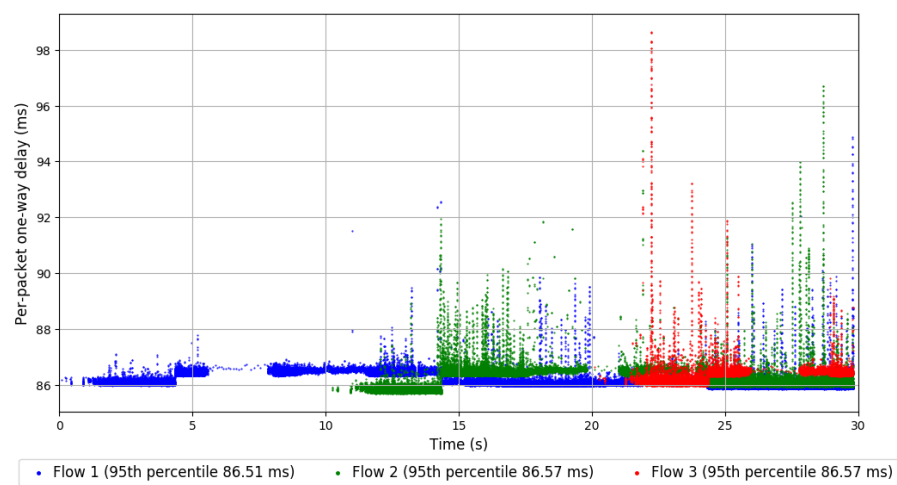
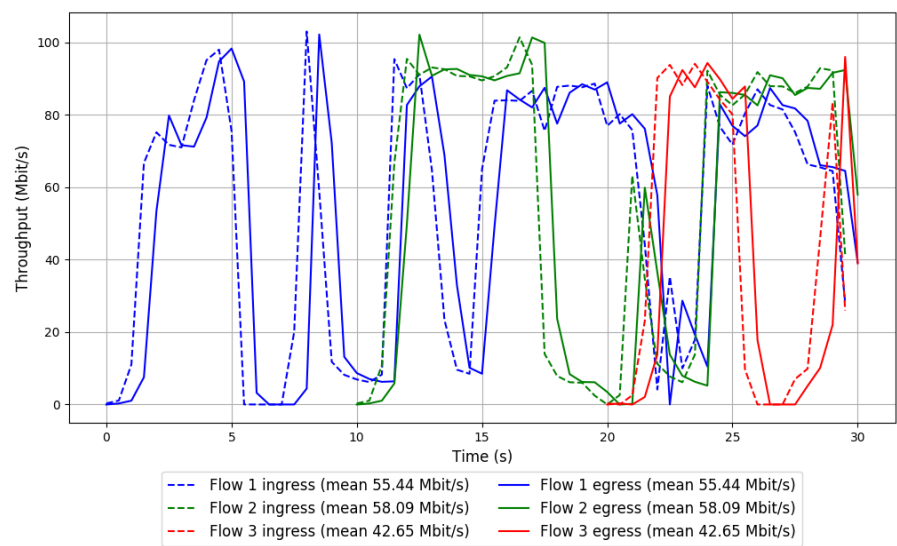


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 04:48:14  
End at: 2018-08-10 04:48:44  
Local clock offset: -0.069 ms  
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-08-10 09:42:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 107.89 Mbit/s  
95th percentile per-packet one-way delay: 86.533 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.44 Mbit/s  
95th percentile per-packet one-way delay: 86.509 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 58.09 Mbit/s  
95th percentile per-packet one-way delay: 86.569 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 42.65 Mbit/s  
95th percentile per-packet one-way delay: 86.567 ms  
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 05:15:27

End at: 2018-08-10 05:15:57

Local clock offset: -0.165 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-08-10 09:42:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 106.31 Mbit/s

95th percentile per-packet one-way delay: 86.639 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 86.622 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 86.657 ms

Loss rate: 0.00%

-- Flow 3:

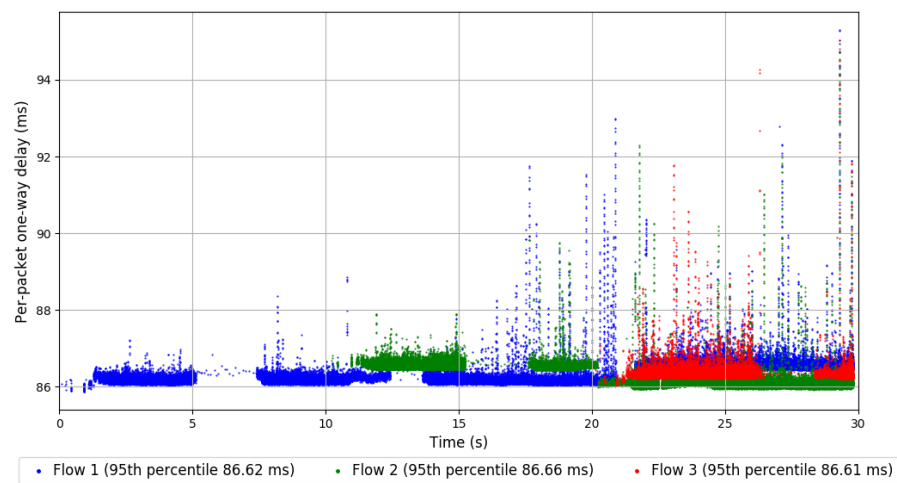
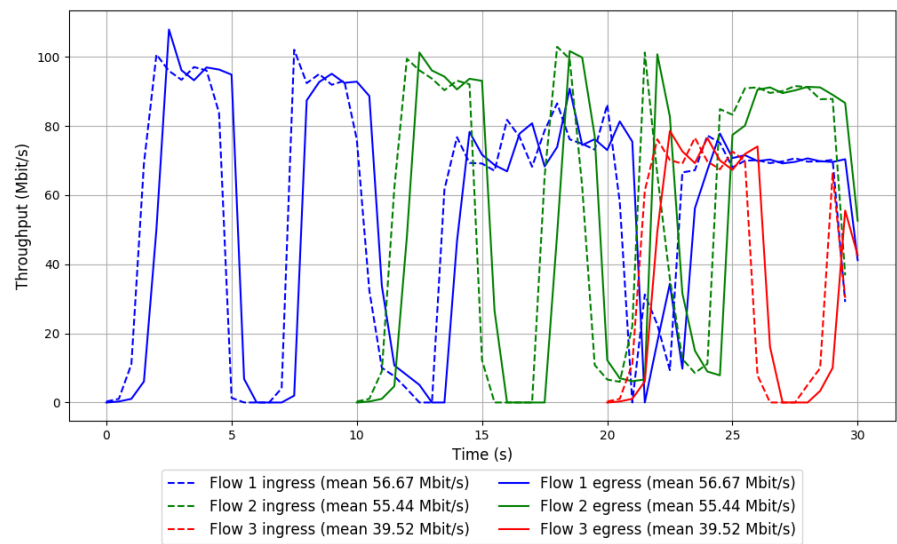
Average throughput: 39.52 Mbit/s

95th percentile per-packet one-way delay: 86.614 ms

Loss rate: 0.00%



Run 7: Report of QUIC Cubic — Data Link

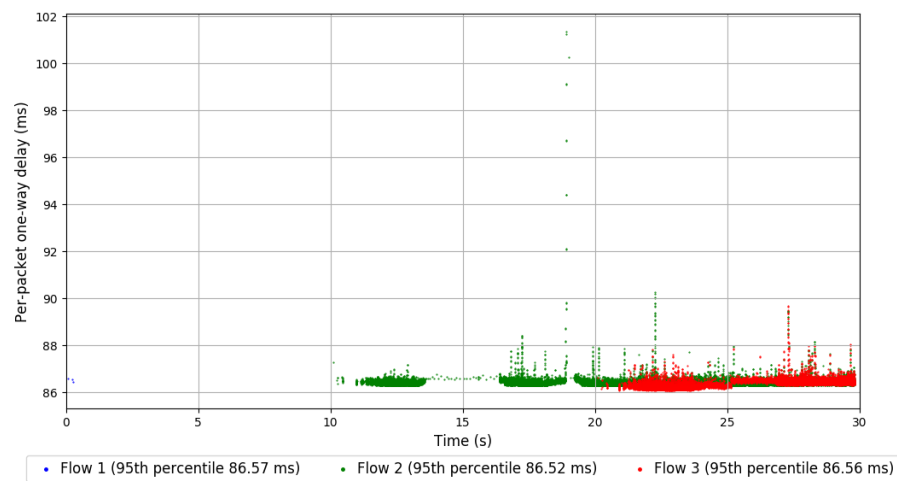
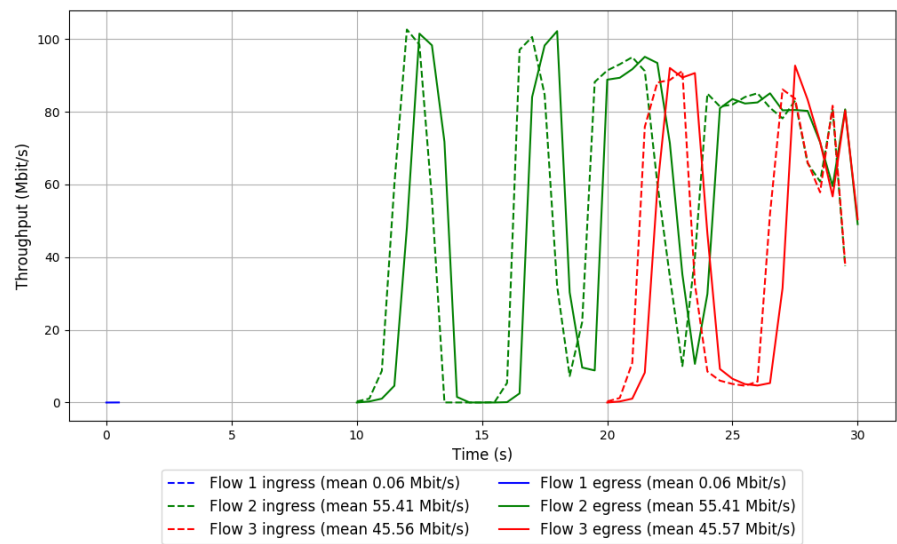


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 05:42:42  
End at: 2018-08-10 05:43:12  
Local clock offset: 0.039 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 51.63 Mbit/s  
95th percentile per-packet one-way delay: 86.532 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 86.572 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 55.41 Mbit/s  
95th percentile per-packet one-way delay: 86.522 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 45.57 Mbit/s  
95th percentile per-packet one-way delay: 86.555 ms  
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

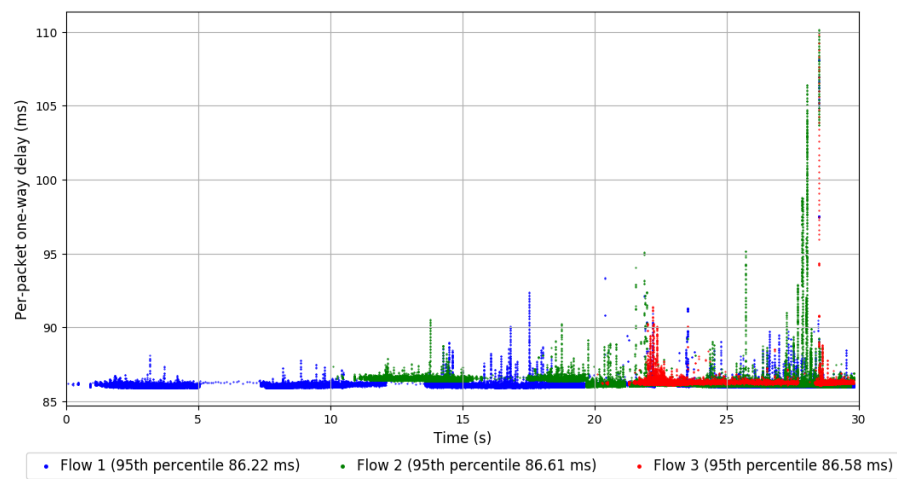
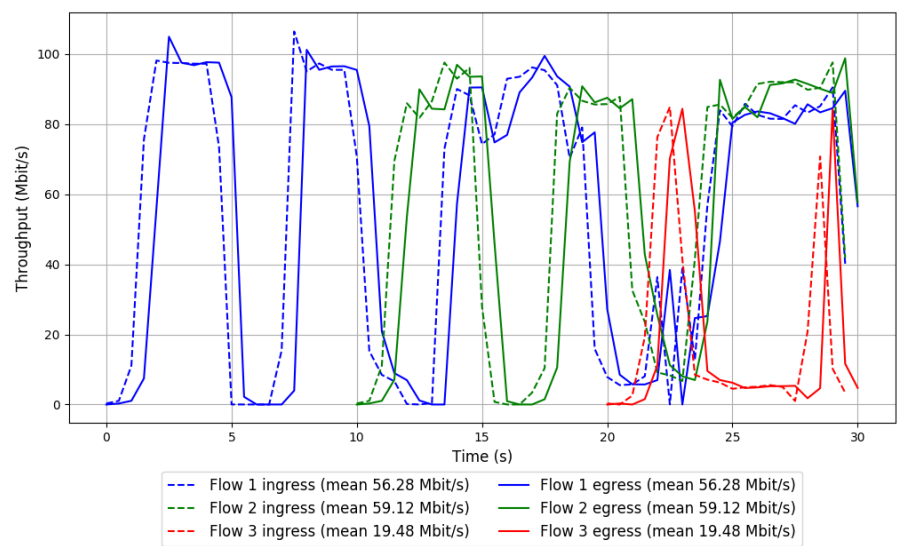


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 06:09:39  
End at: 2018-08-10 06:10:09  
Local clock offset: -0.192 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 101.86 Mbit/s  
95th percentile per-packet one-way delay: 86.548 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.28 Mbit/s  
95th percentile per-packet one-way delay: 86.222 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.12 Mbit/s  
95th percentile per-packet one-way delay: 86.611 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 19.48 Mbit/s  
95th percentile per-packet one-way delay: 86.578 ms  
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

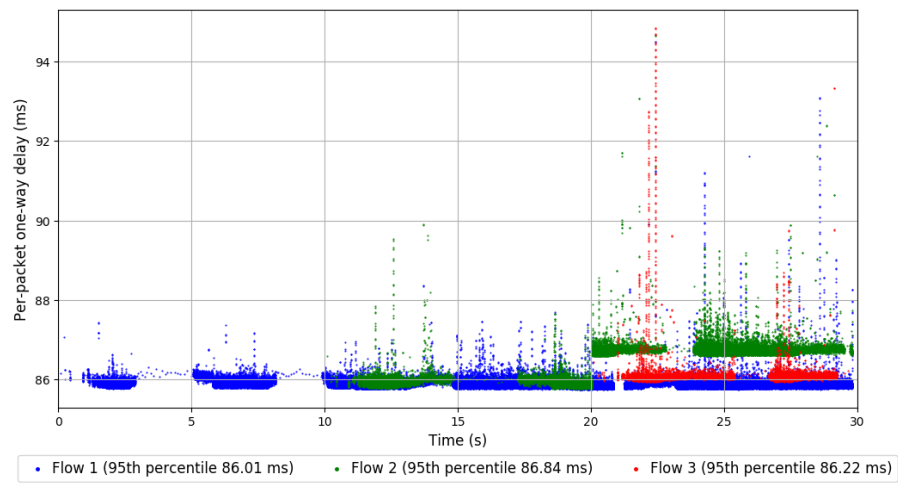
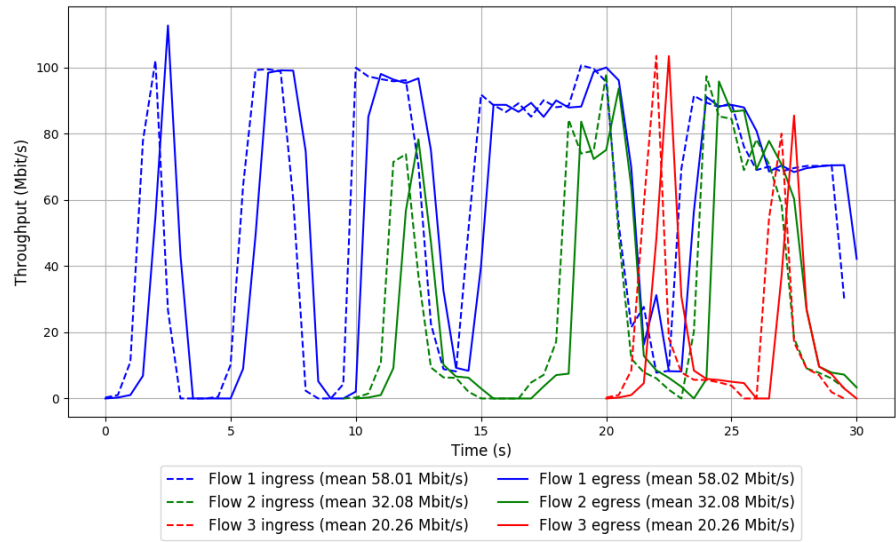


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 06:36:47  
End at: 2018-08-10 06:37:17  
Local clock offset: -0.151 ms  
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.82 Mbit/s  
95th percentile per-packet one-way delay: 86.736 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.02 Mbit/s  
95th percentile per-packet one-way delay: 86.012 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.08 Mbit/s  
95th percentile per-packet one-way delay: 86.843 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 20.26 Mbit/s  
95th percentile per-packet one-way delay: 86.215 ms  
Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link



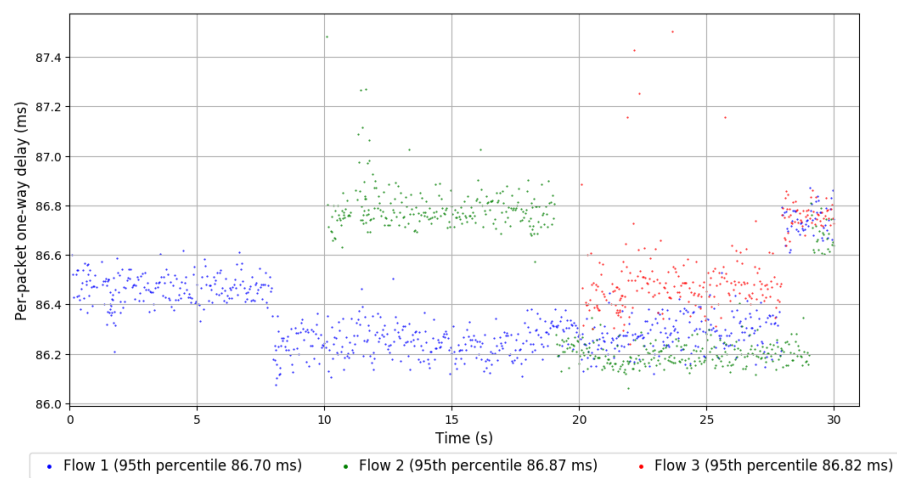
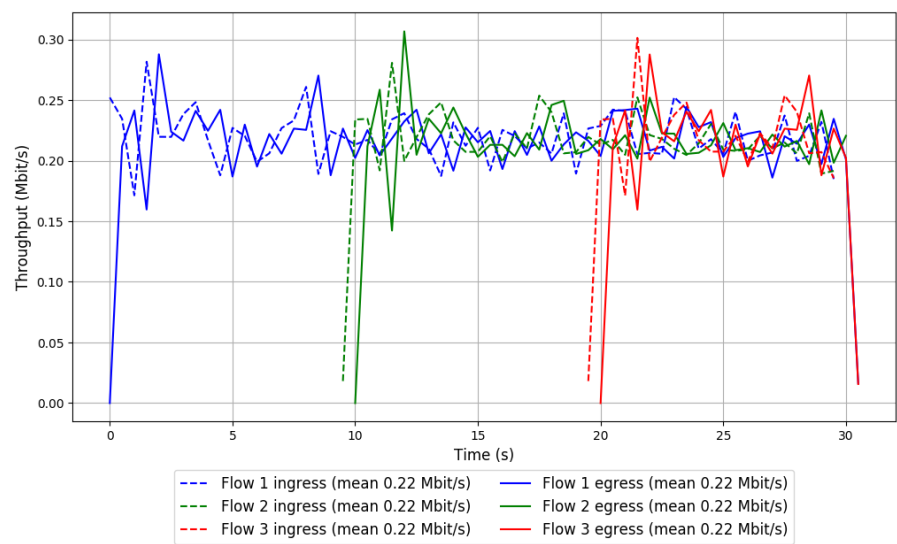
```
Run 1: Statistics of SReAM

Start at: 2018-08-10 02:38:49
End at: 2018-08-10 02:39:19
Local clock offset: -0.107 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.816 ms
Loss rate: 0.00%
```



Run 1: Report of SReAM — Data Link

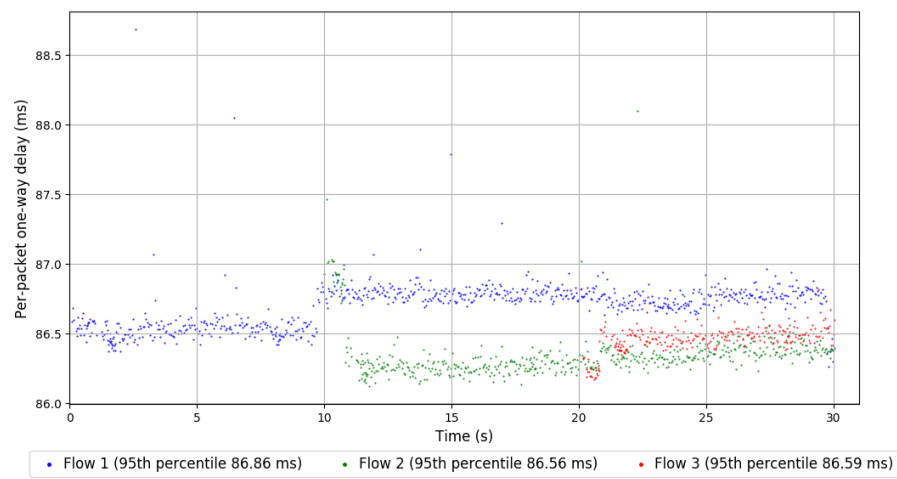
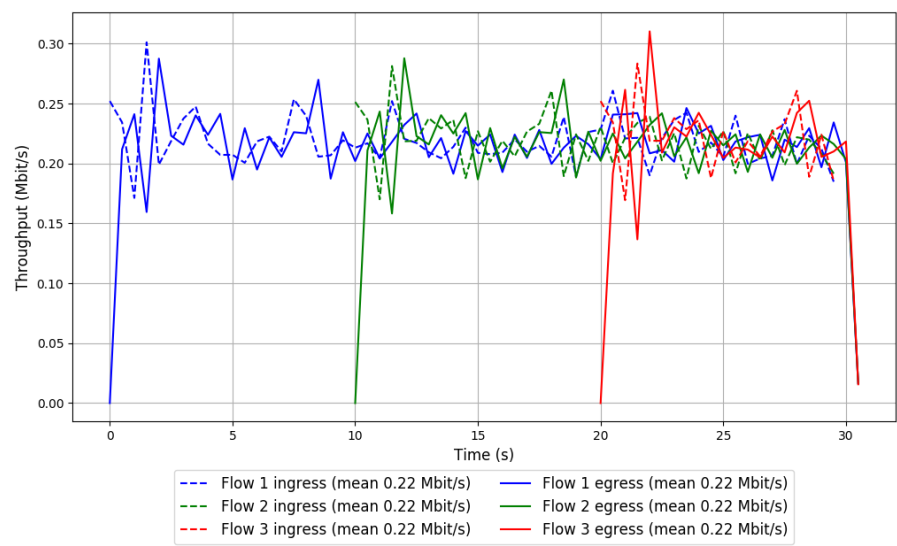


```
Run 2: Statistics of SReAM

Start at: 2018-08-10 03:05:58
End at: 2018-08-10 03:06:28
Local clock offset: -0.168 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-10 03:32:58

End at: 2018-08-10 03:33:28

Local clock offset: -0.231 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-08-10 09:42:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.831 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.842 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.714 ms

Loss rate: 0.00%

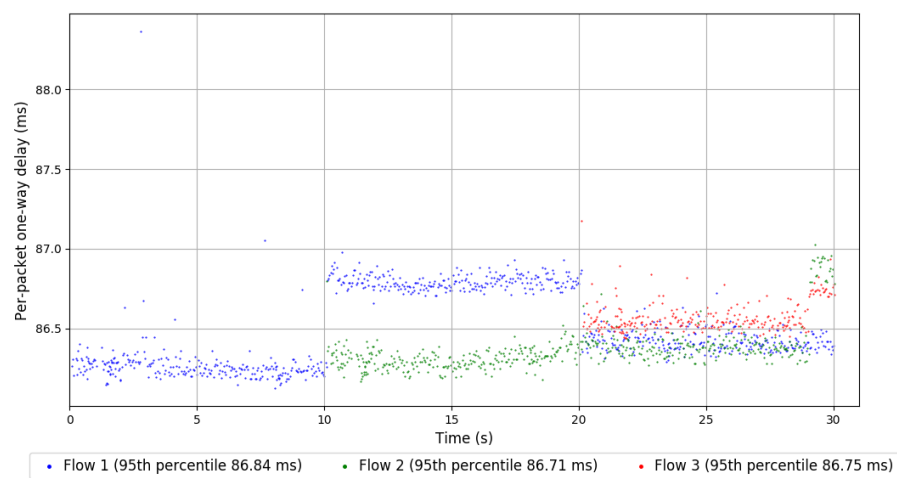
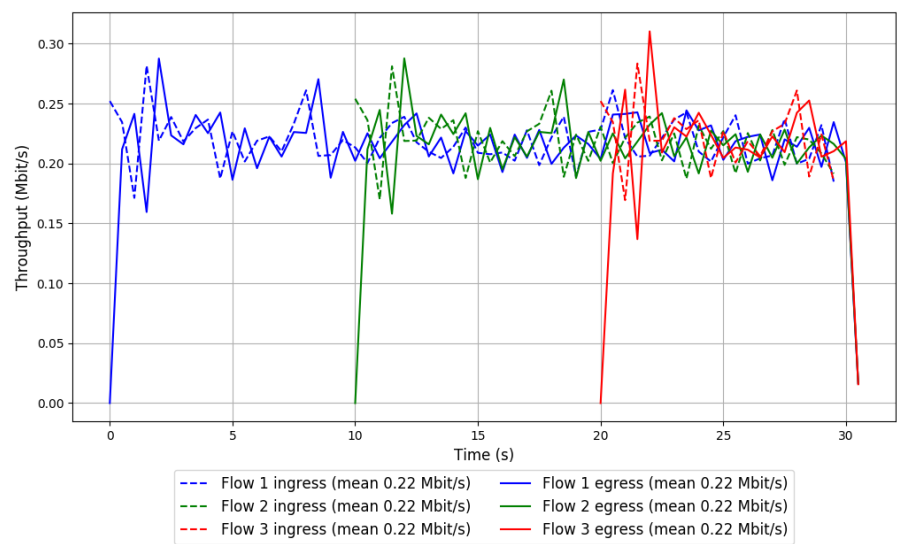
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-10 04:00:33

End at: 2018-08-10 04:01:03

Local clock offset: -0.054 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-08-10 09:42:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.446 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

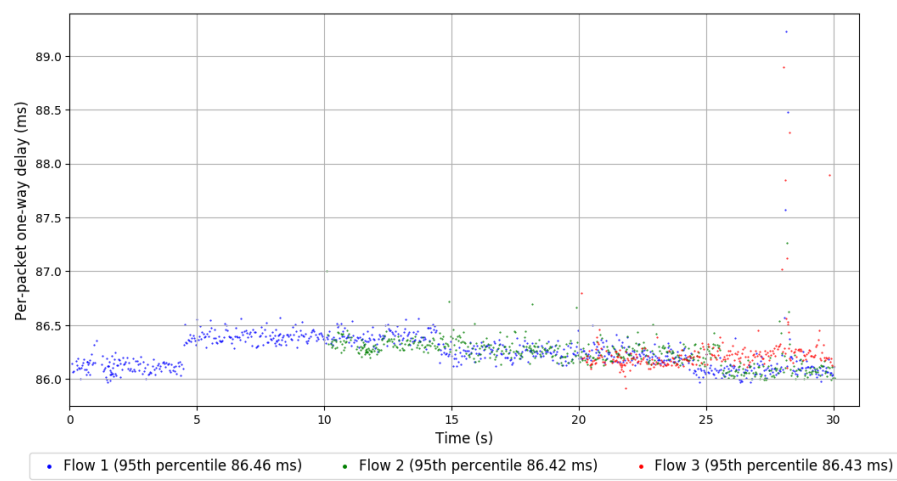
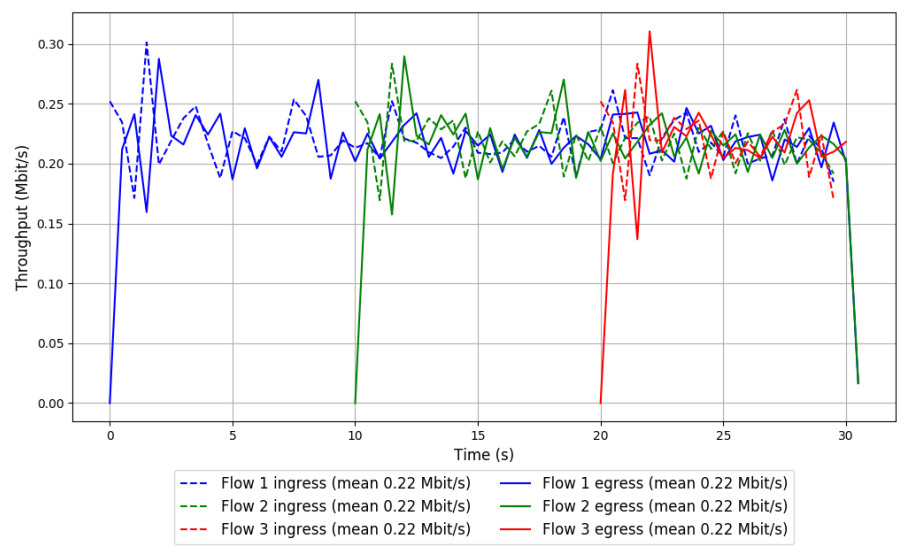
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.432 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



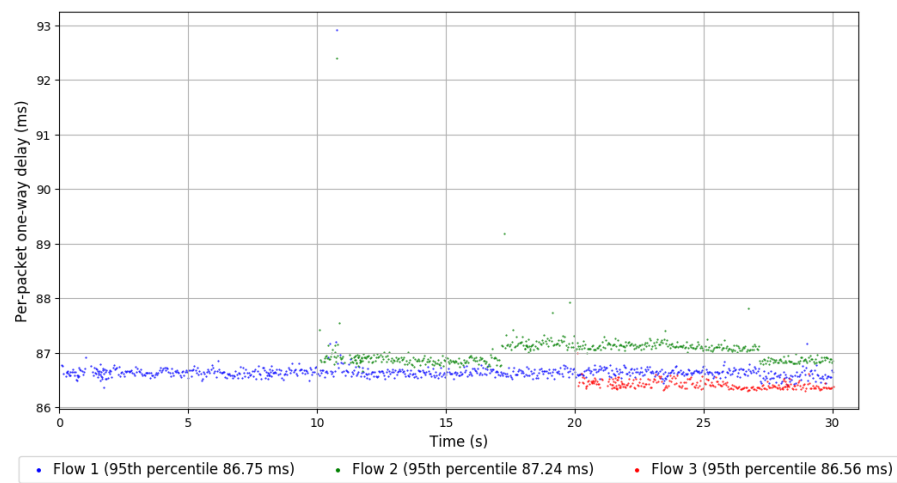
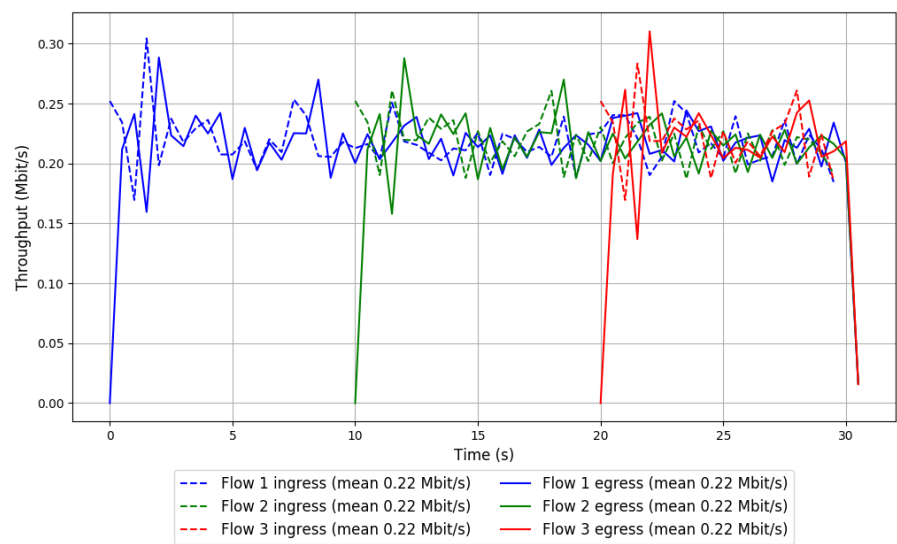
Run 5: Statistics of SReAM

Start at: 2018-08-10 04:27:50  
End at: 2018-08-10 04:28:20  
Local clock offset: -0.319 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 87.163 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.754 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.240 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.557 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-10 04:54:53

End at: 2018-08-10 04:55:23

Local clock offset: -0.089 ms

Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-08-10 09:42:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.870 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.927 ms

Loss rate: 0.00%

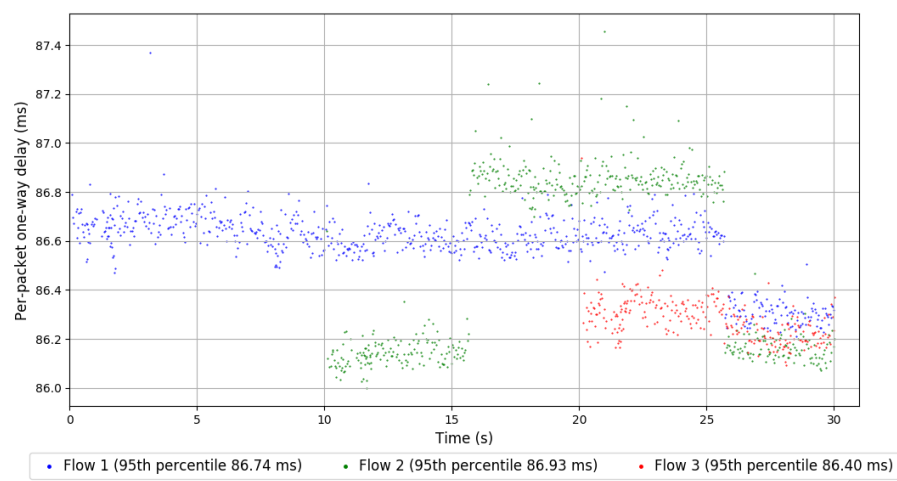
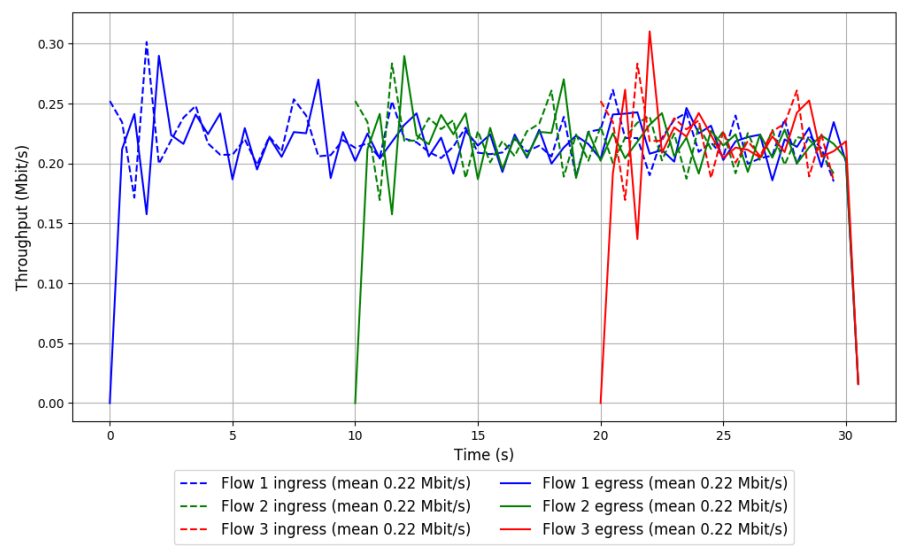
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.400 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

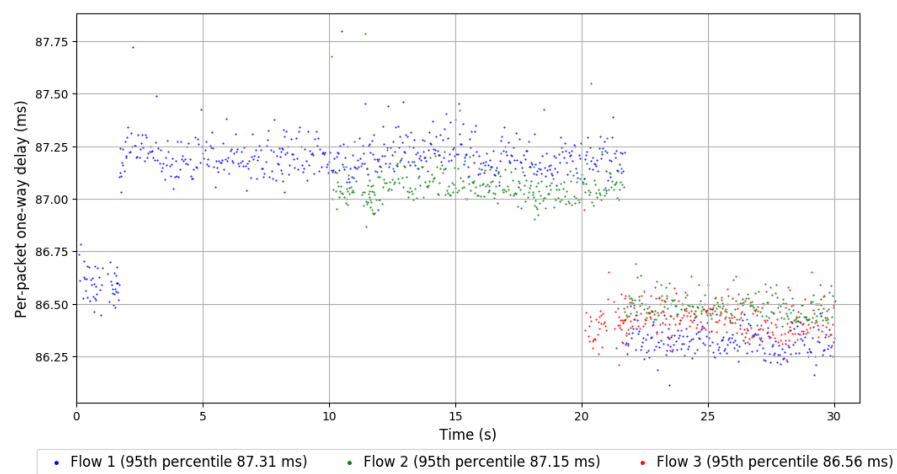
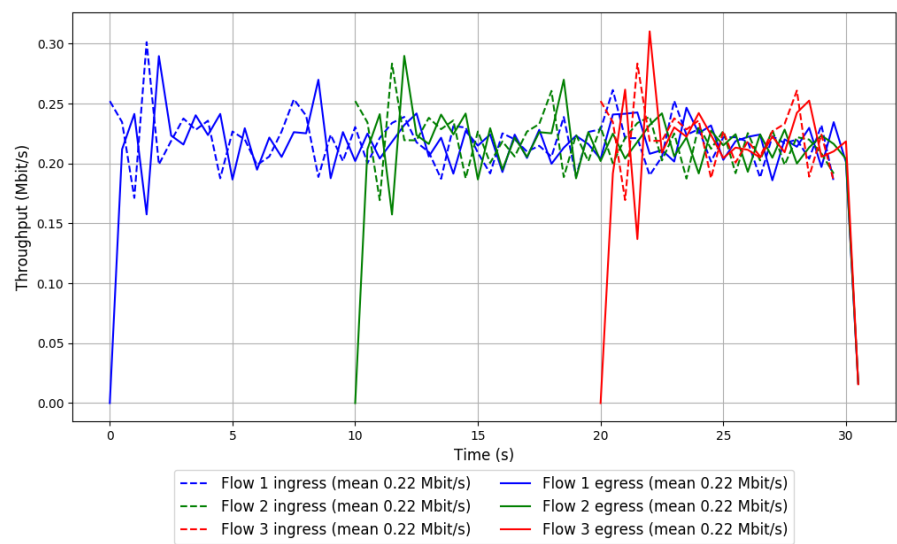


Run 7: Statistics of SReAM

Start at: 2018-08-10 05:22:07  
End at: 2018-08-10 05:22:37  
Local clock offset: -0.216 ms  
Remote clock offset: 0.042 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.310 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link

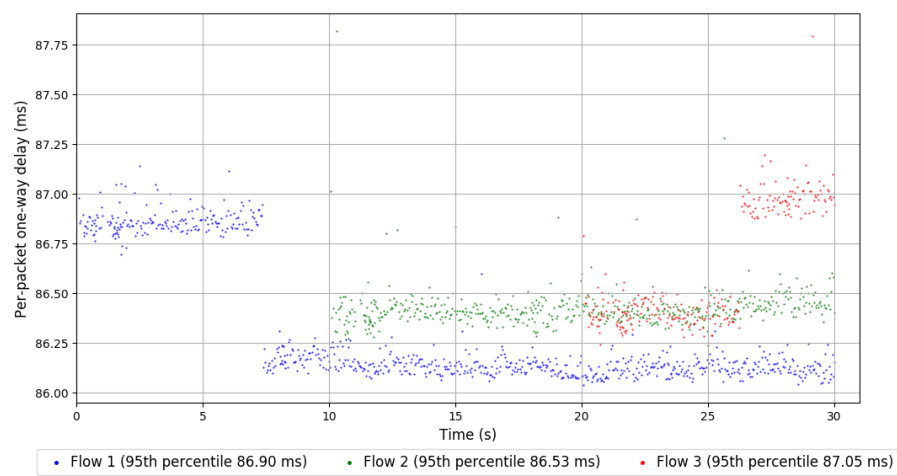
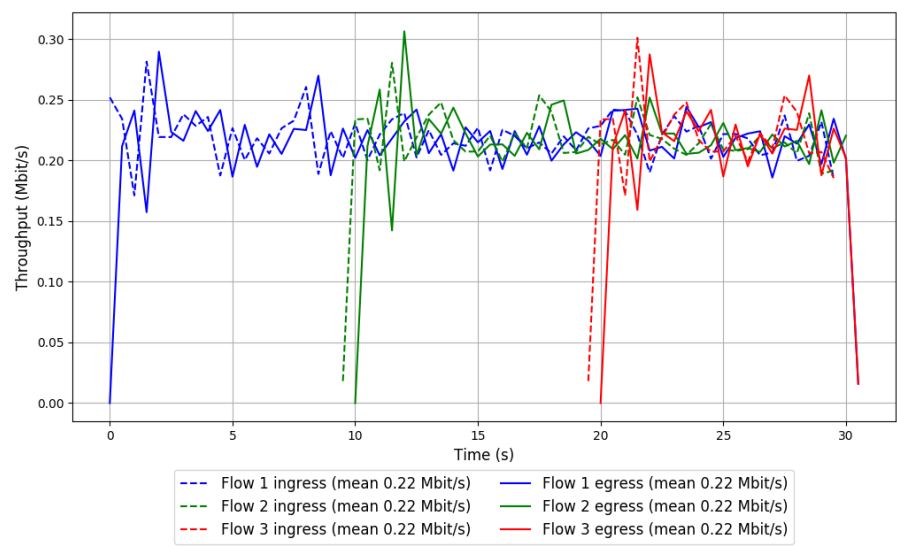


Run 8: Statistics of SReAM

Start at: 2018-08-10 05:49:21  
End at: 2018-08-10 05:49:51  
Local clock offset: -0.061 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 86.958 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.896 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.531 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.051 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-10 06:16:15

End at: 2018-08-10 06:16:45

Local clock offset: -0.074 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-08-10 09:42:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.707 ms

Loss rate: 0.00%

-- Flow 3:

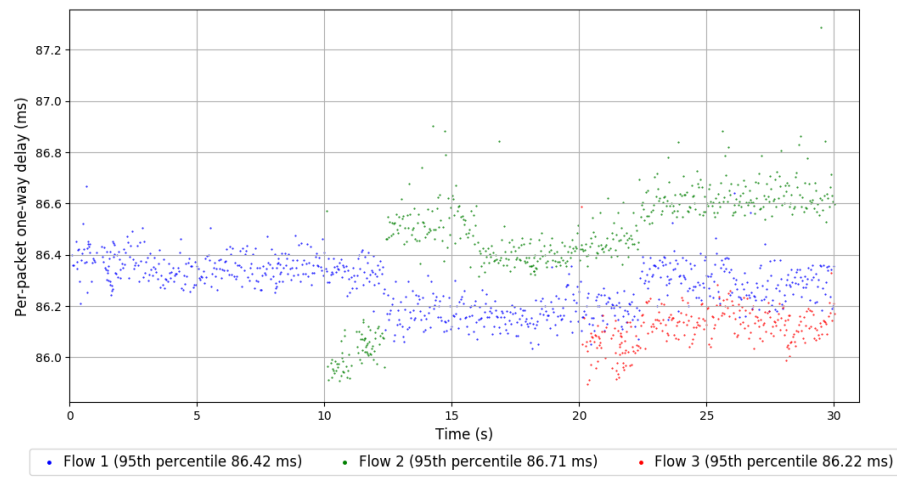
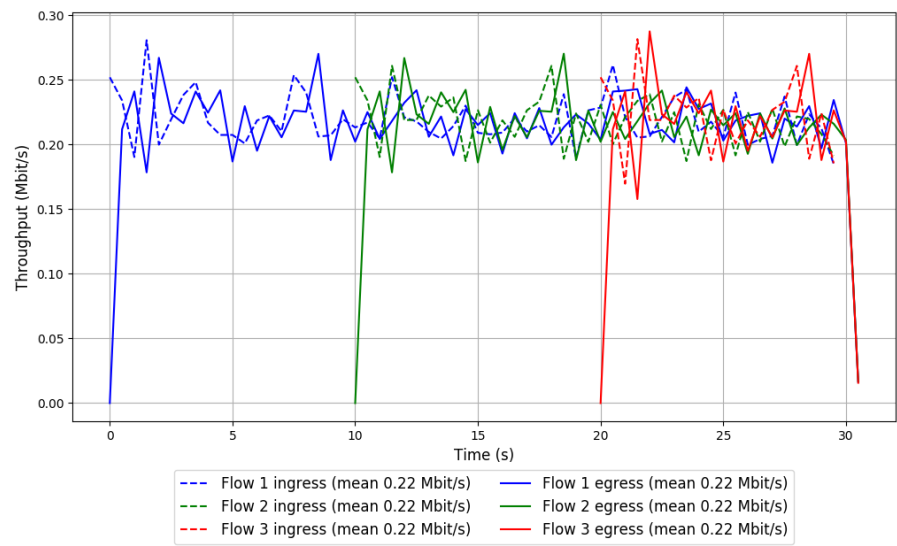
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.219 ms

Loss rate: 0.00%



Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-10 06:43:18

End at: 2018-08-10 06:43:48

Local clock offset: -0.367 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-08-10 09:42:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.103 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.037 ms

Loss rate: 0.00%

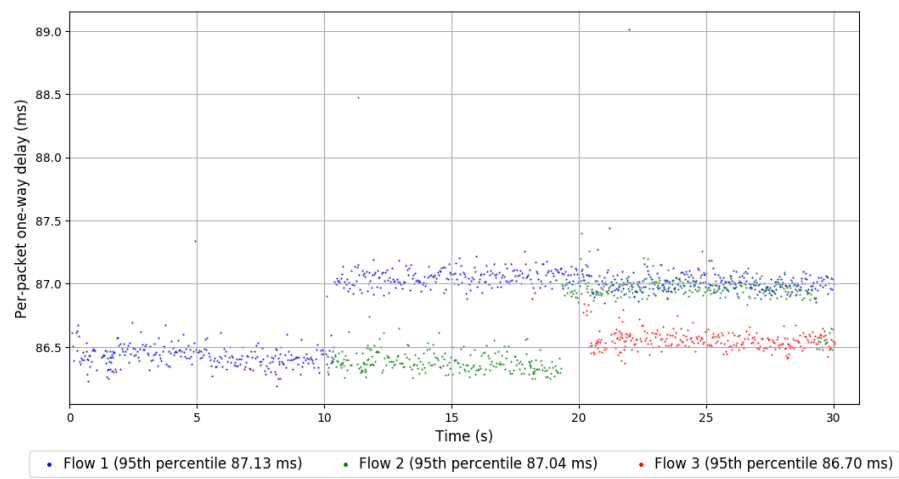
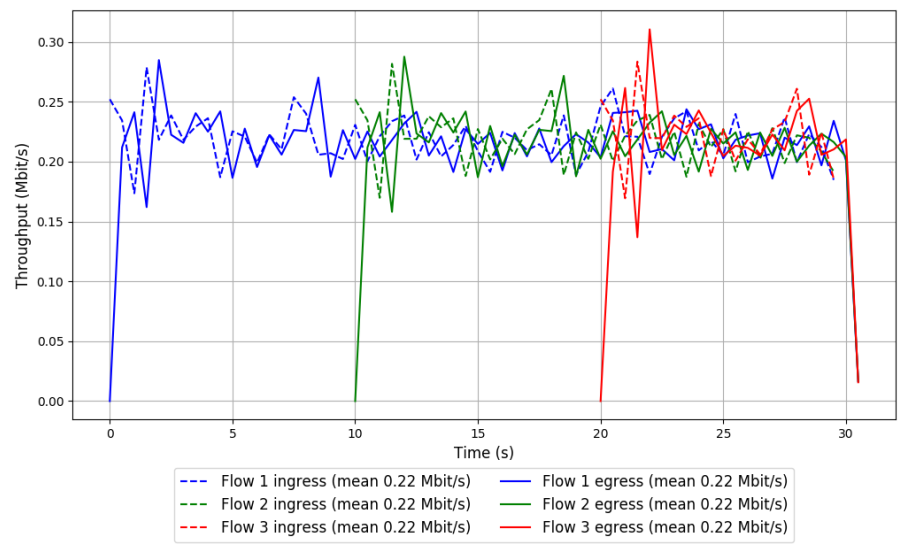
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.700 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

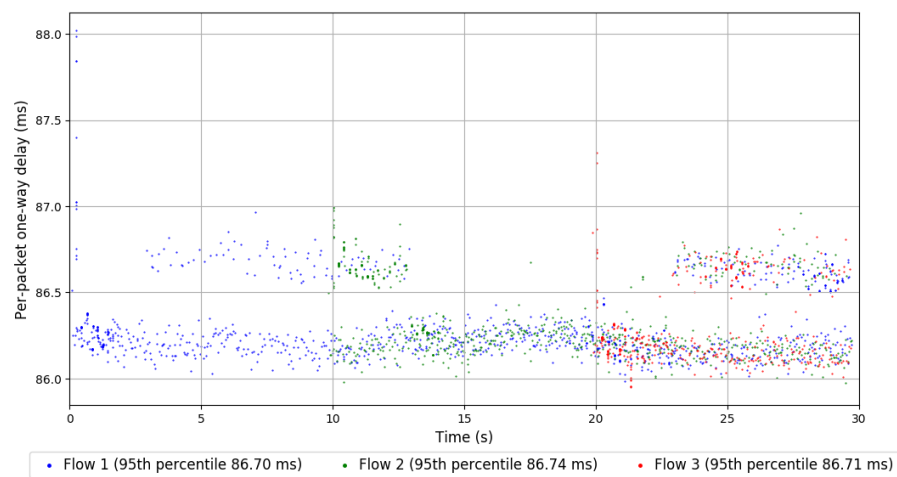
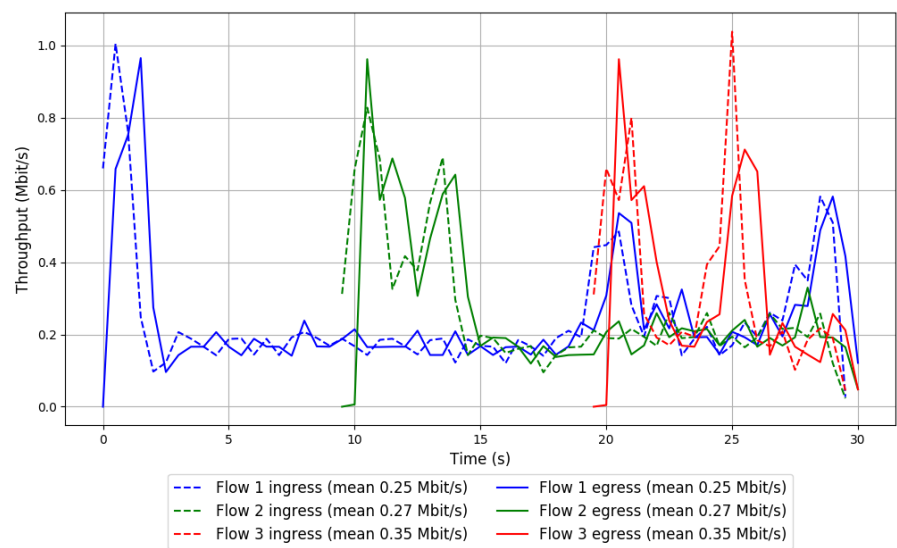


Run 1: Statistics of Sprout

Start at: 2018-08-10 02:22:55  
End at: 2018-08-10 02:23:25  
Local clock offset: -0.1 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 86.714 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 86.701 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 86.738 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 86.709 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

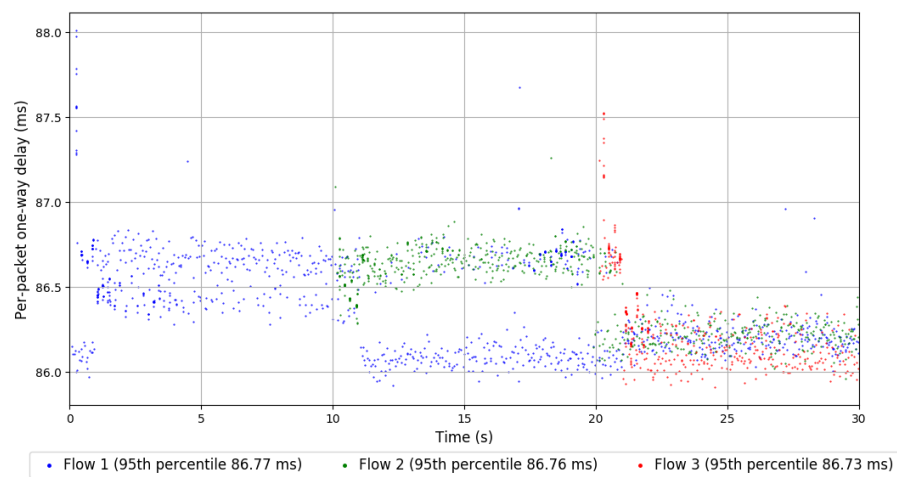
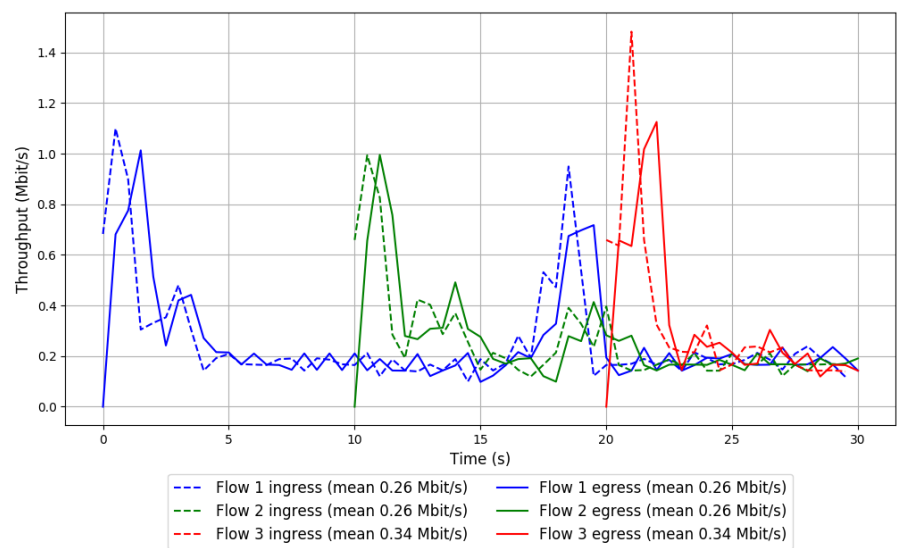


Run 2: Statistics of Sprout

Start at: 2018-08-10 02:50:07  
End at: 2018-08-10 02:50:38  
Local clock offset: -0.069 ms  
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 86.761 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.765 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.761 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 86.735 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



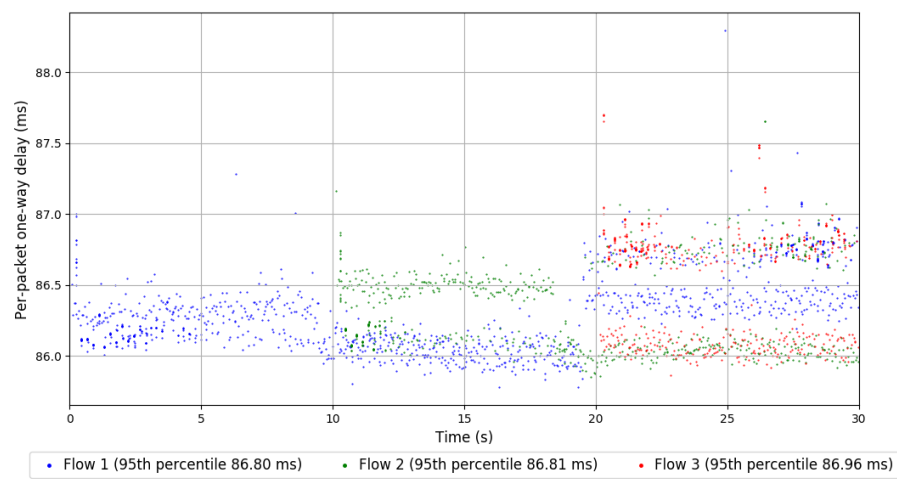
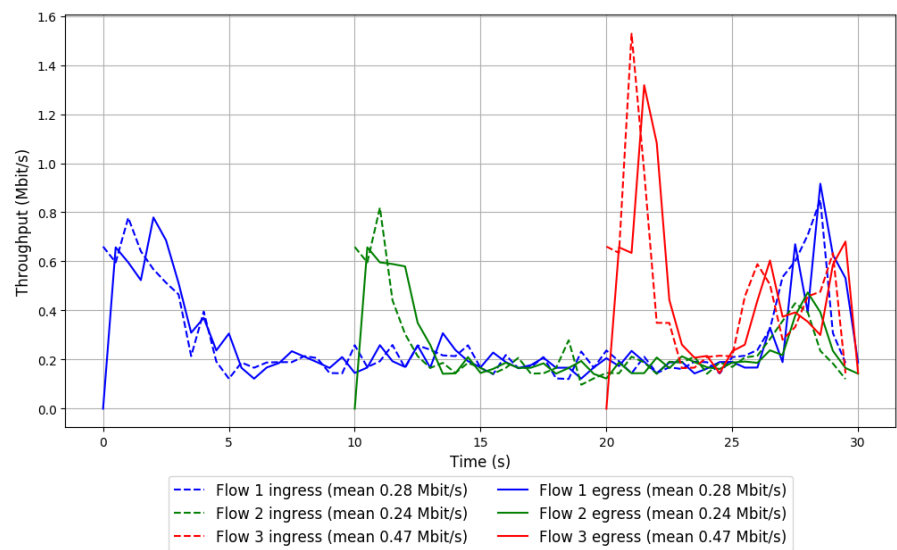
Run 3: Statistics of Sprout

Start at: 2018-08-10 03:17:09  
End at: 2018-08-10 03:17:39  
Local clock offset: 0.062 ms  
Remote clock offset: -0.052 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 86.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 0.00%
```



Run 3: Report of Sprout — Data Link

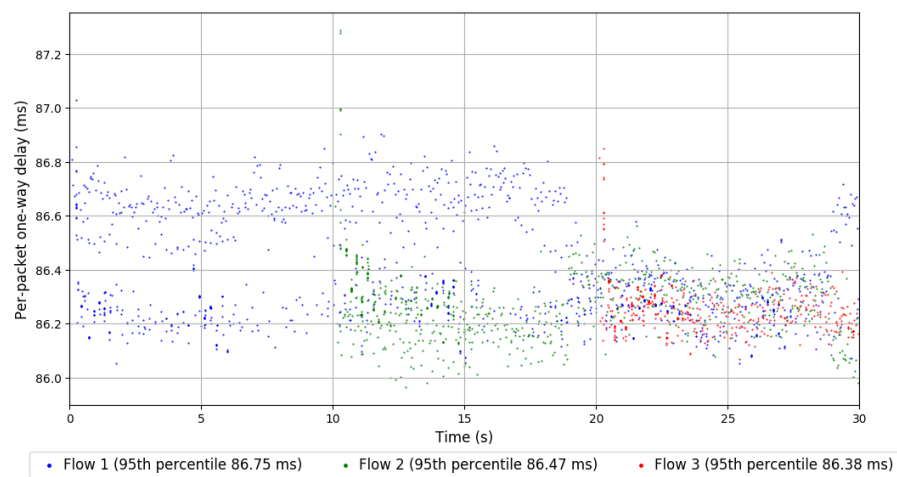
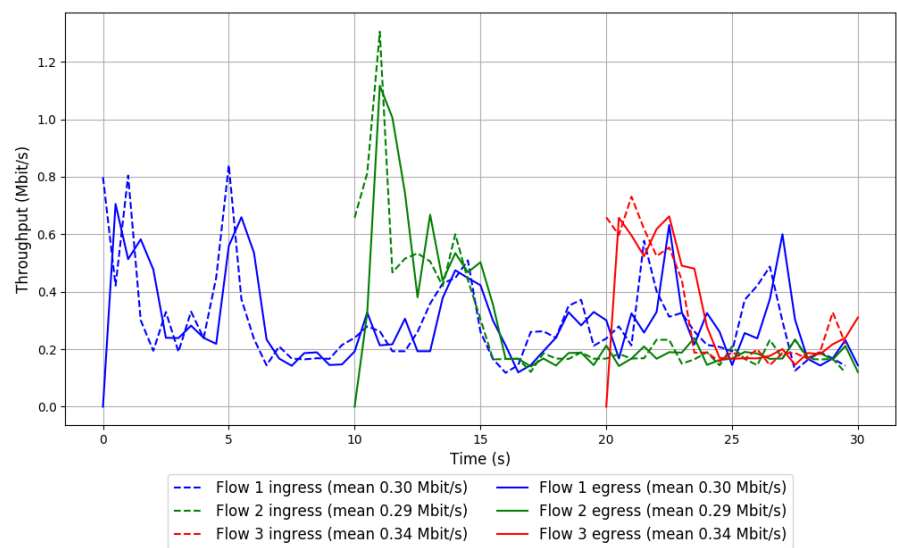


#### Run 4: Statistics of Sprout

Start at: 2018-08-10 03:44:18  
End at: 2018-08-10 03:44:48  
Local clock offset: -0.136 ms  
Remote clock offset: -0.011 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.465 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.378 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

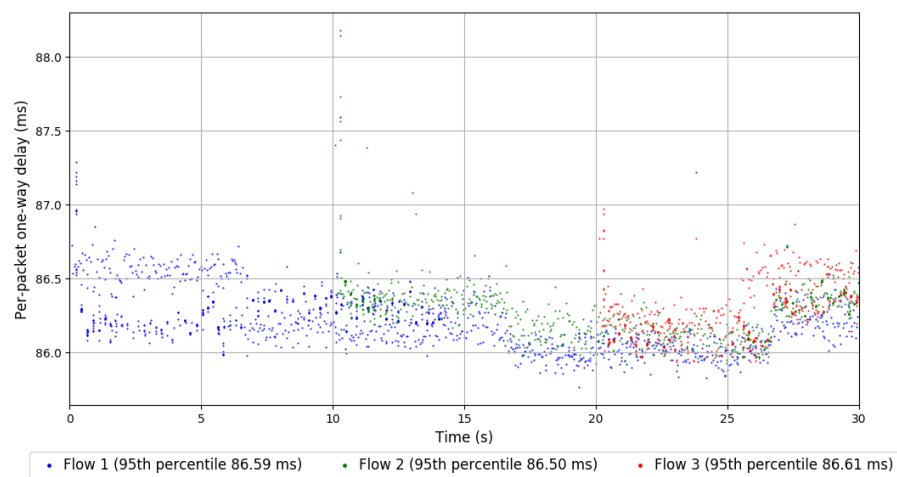
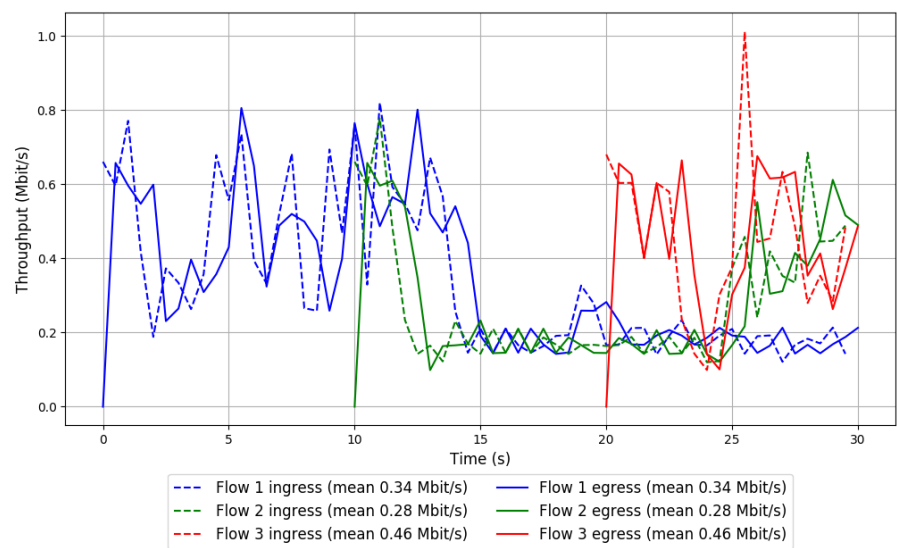


#### Run 5: Statistics of Sprout

Start at: 2018-08-10 04:11:52  
End at: 2018-08-10 04:12:22  
Local clock offset: 0.003 ms  
Remote clock offset: 0.026 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 86.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

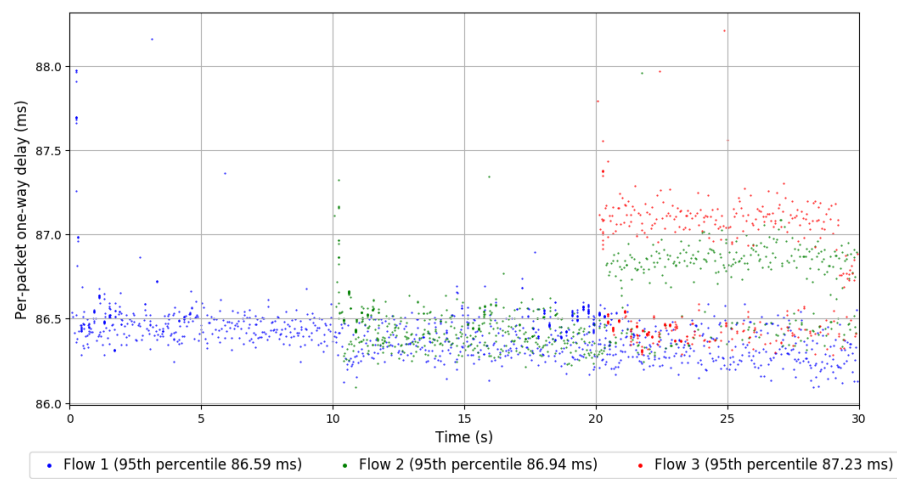
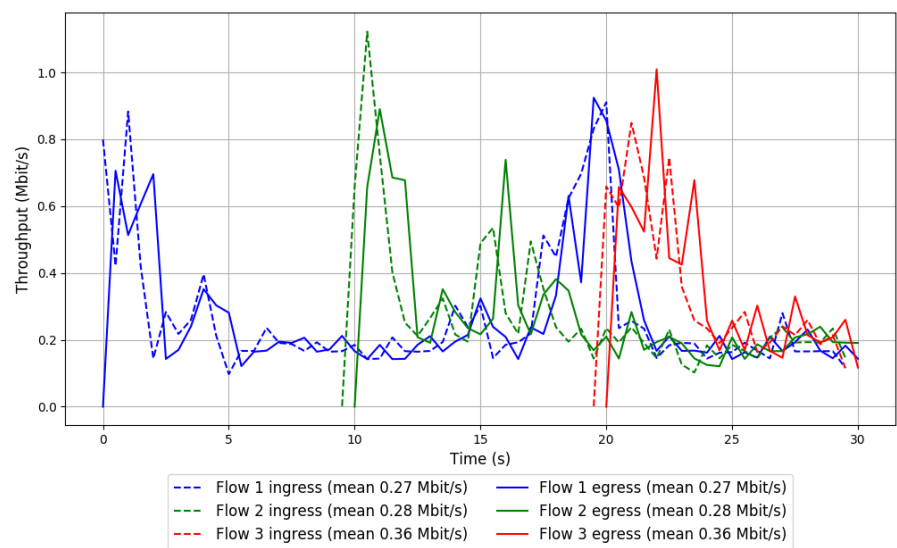


Run 6: Statistics of Sprout

Start at: 2018-08-10 04:38:58  
End at: 2018-08-10 04:39:28  
Local clock offset: -0.337 ms  
Remote clock offset: -0.054 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 87.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 87.232 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



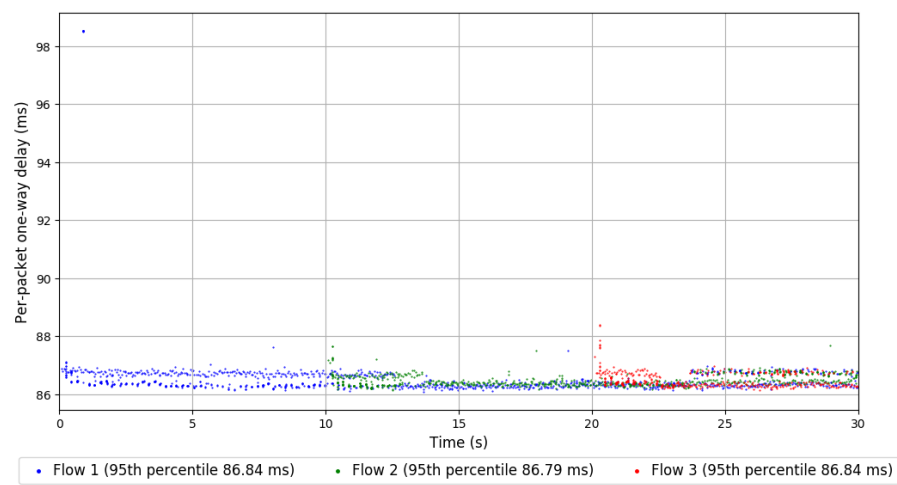
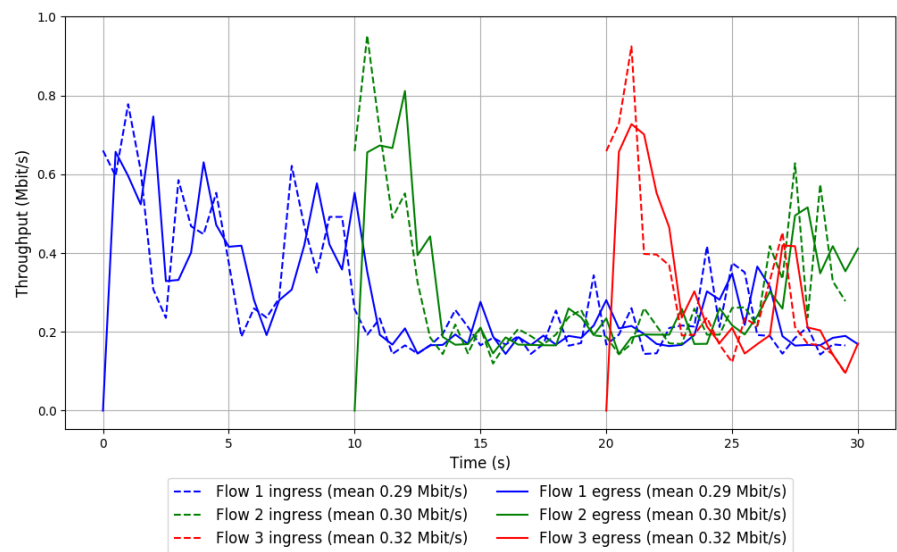
Run 7: Statistics of Sprout

Start at: 2018-08-10 05:06:05  
End at: 2018-08-10 05:06:35  
Local clock offset: -0.276 ms  
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.59 Mbit/s  
95th percentile per-packet one-way delay: 86.830 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 86.839 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.30 Mbit/s  
95th percentile per-packet one-way delay: 86.794 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 86.842 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link

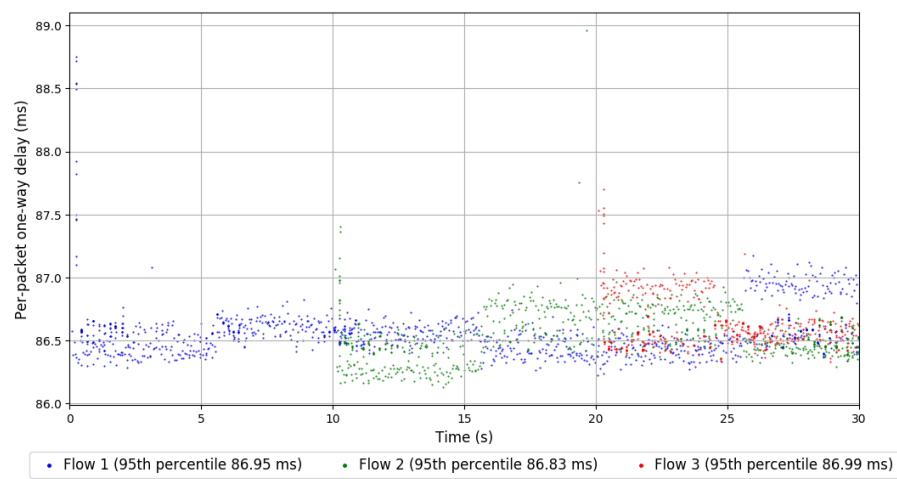
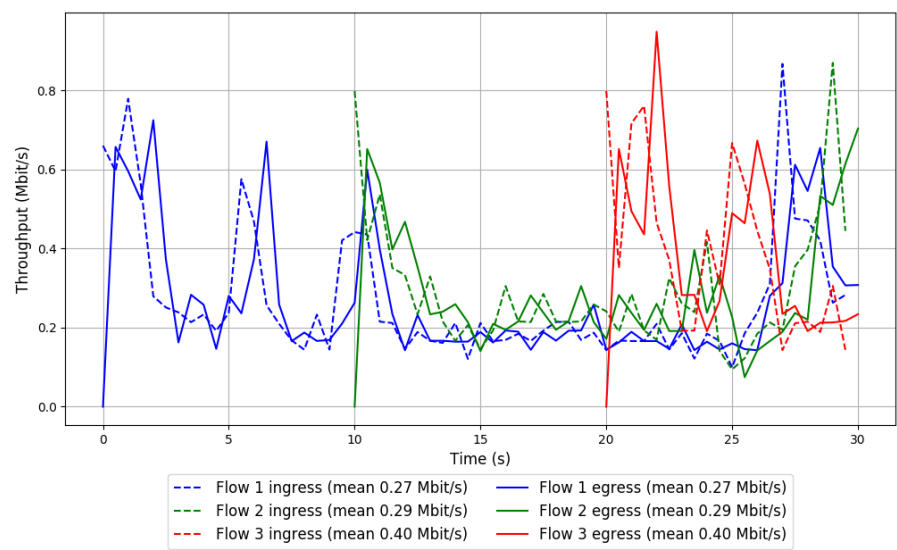


Run 8: Statistics of Sprout

Start at: 2018-08-10 05:33:23  
End at: 2018-08-10 05:33:53  
Local clock offset: -0.346 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.60 Mbit/s  
95th percentile per-packet one-way delay: 86.946 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 86.955 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 86.828 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 86.986 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

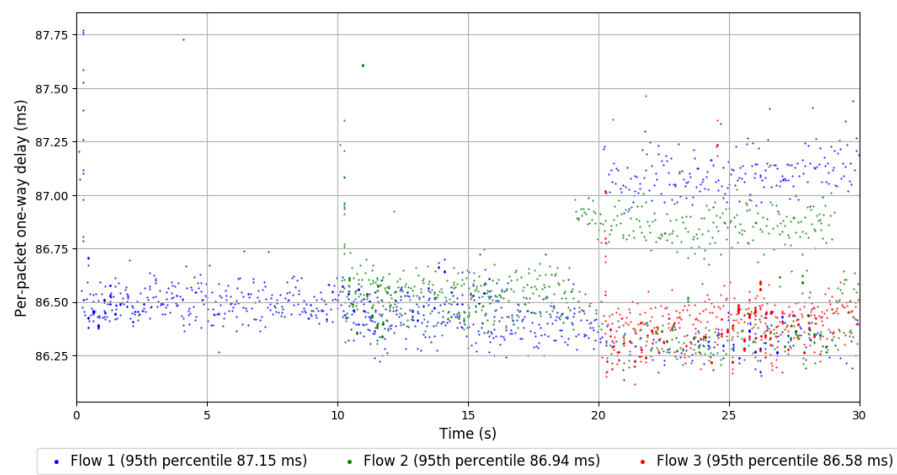
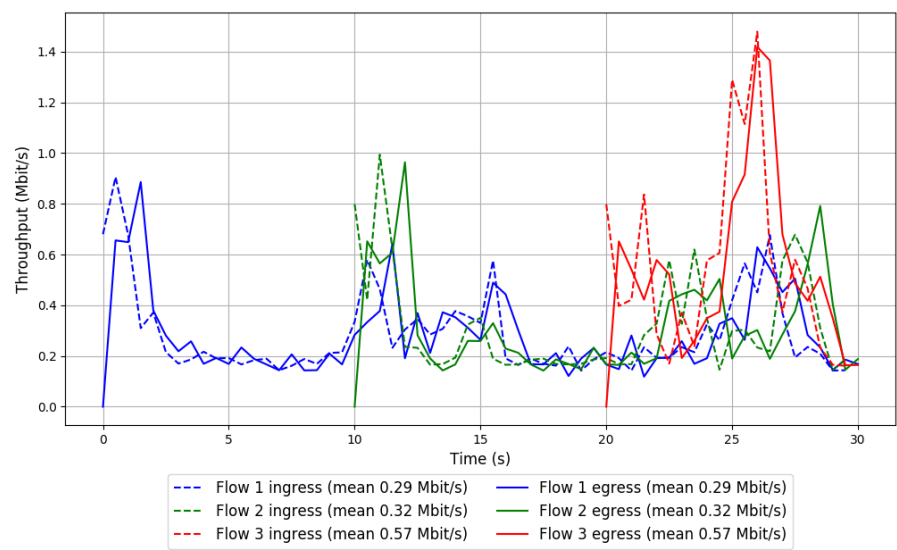


Run 9: Statistics of Sprout

Start at: 2018-08-10 06:00:28  
End at: 2018-08-10 06:00:58  
Local clock offset: -0.287 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-08-10 09:42:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.69 Mbit/s  
95th percentile per-packet one-way delay: 87.089 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 87.148 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 86.939 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 86.584 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

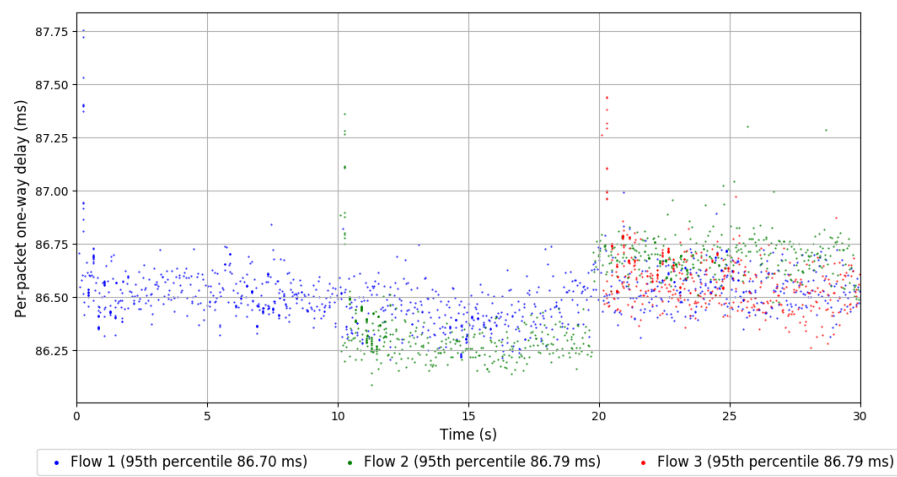
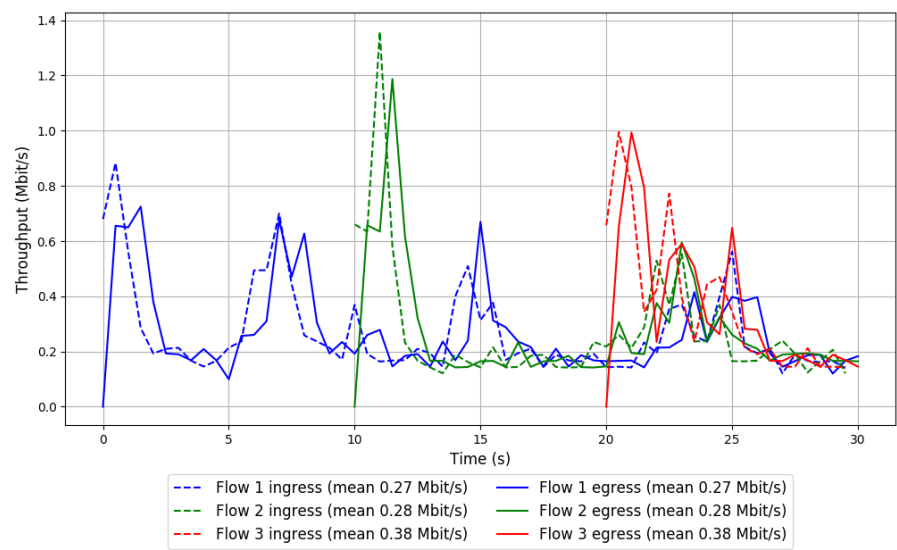


Run 10: Statistics of Sprout

Start at: 2018-08-10 06:27:29  
End at: 2018-08-10 06:27:59  
Local clock offset: -0.414 ms  
Remote clock offset: -0.101 ms

```
# Below is generated by plot.py at 2018-08-10 09:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 86.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.696 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.786 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



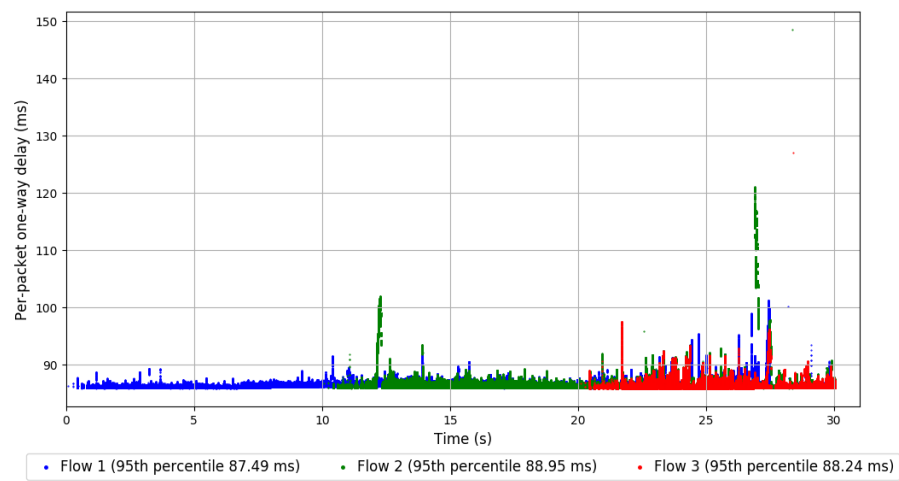
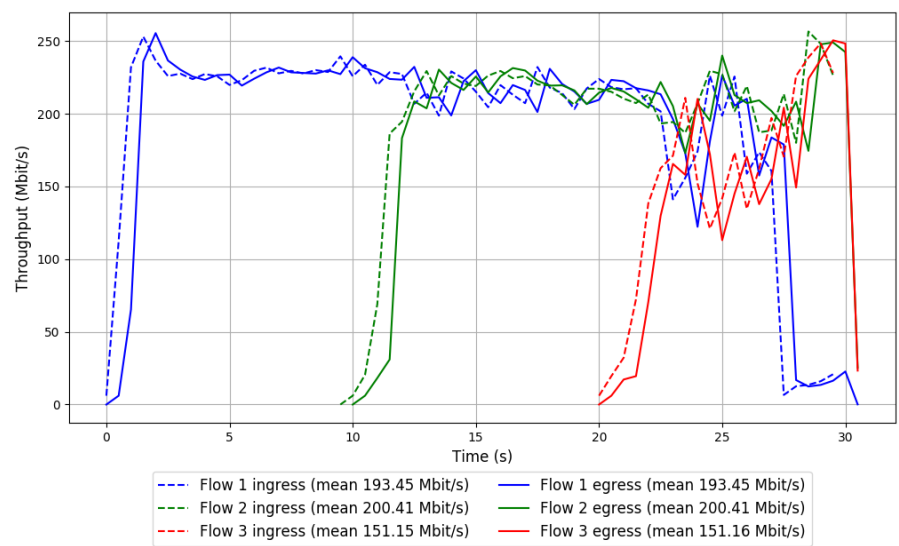
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 02:35:31
End at: 2018-08-10 02:36:01
Local clock offset: -0.102 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-08-10 09:49:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.98 Mbit/s
95th percentile per-packet one-way delay: 88.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.45 Mbit/s
95th percentile per-packet one-way delay: 87.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 88.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.16 Mbit/s
95th percentile per-packet one-way delay: 88.242 ms
Loss rate: 0.00%
```



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

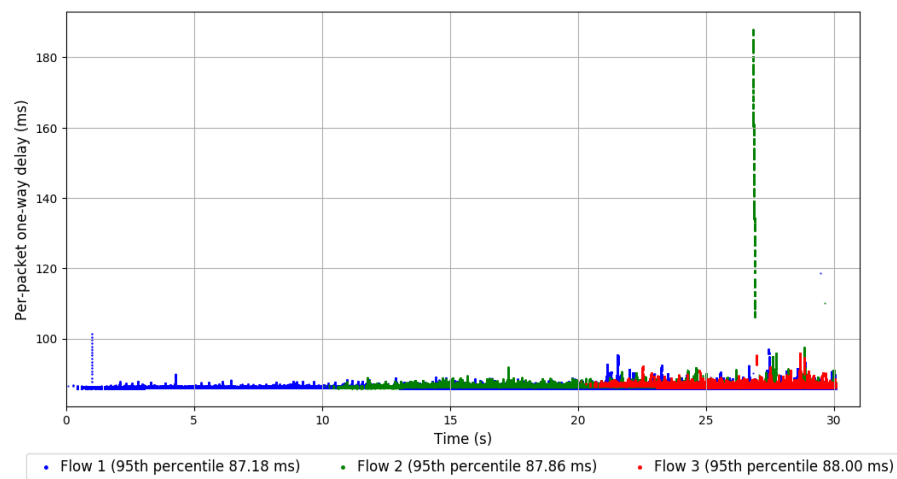
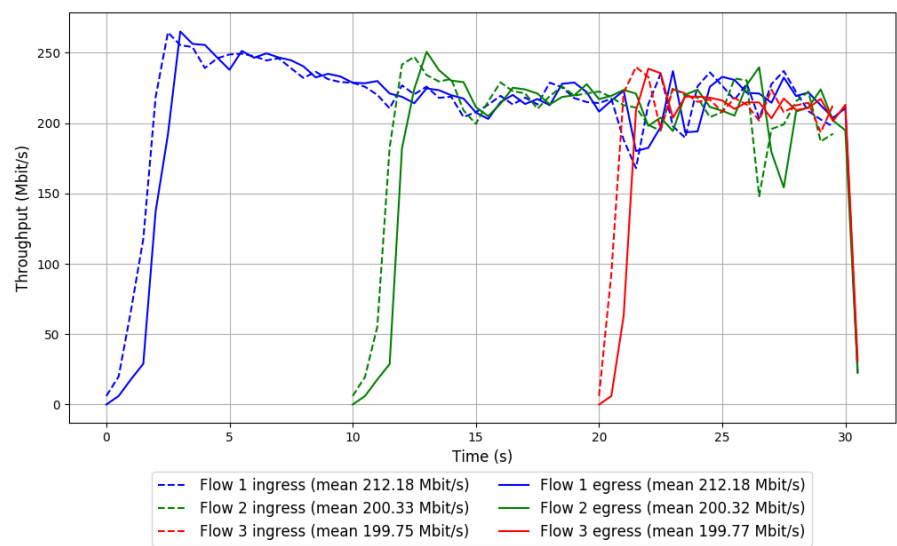


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 03:02:25
End at: 2018-08-10 03:02:56
Local clock offset: -0.045 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-08-10 09:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.82 Mbit/s
95th percentile per-packet one-way delay: 87.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 87.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.32 Mbit/s
95th percentile per-packet one-way delay: 87.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 199.77 Mbit/s
95th percentile per-packet one-way delay: 88.001 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 03:29:36

End at: 2018-08-10 03:30:06

Local clock offset: -0.103 ms

Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-08-10 09:50:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 368.26 Mbit/s

95th percentile per-packet one-way delay: 88.559 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 167.01 Mbit/s

95th percentile per-packet one-way delay: 86.941 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.96 Mbit/s

95th percentile per-packet one-way delay: 88.827 ms

Loss rate: 0.00%

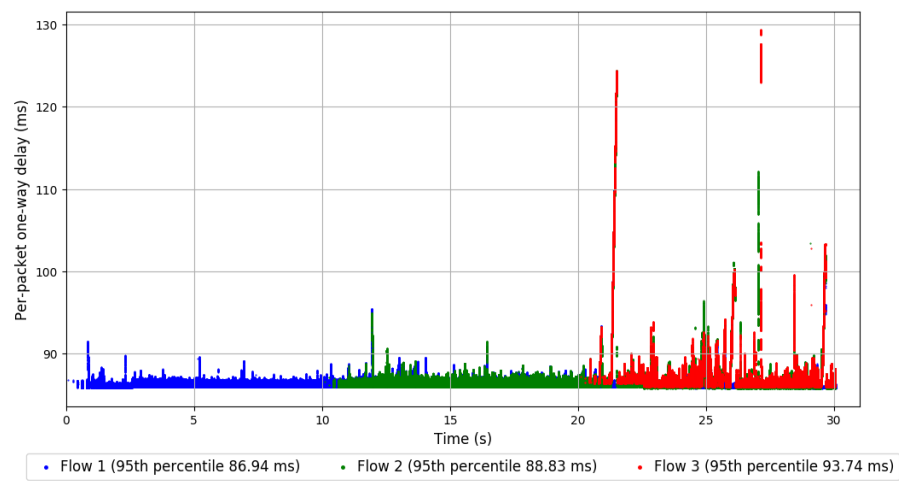
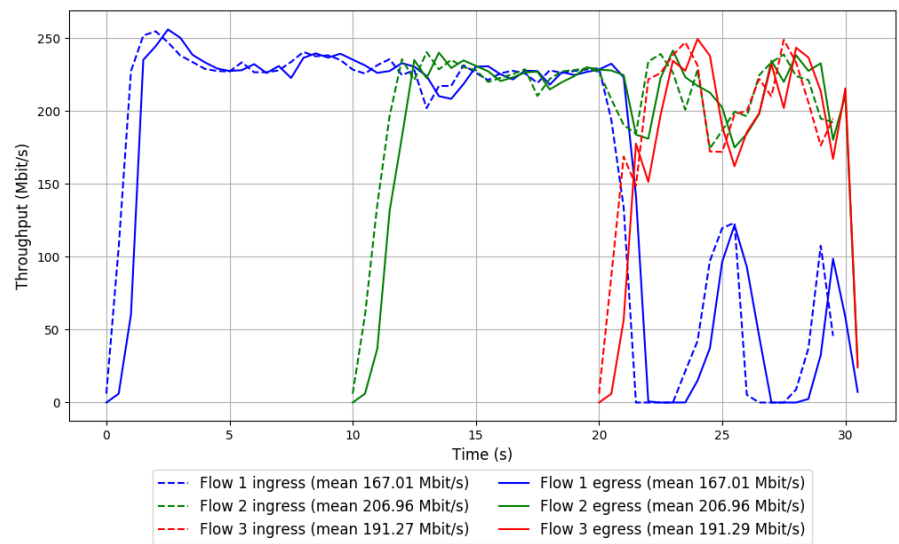
-- Flow 3:

Average throughput: 191.29 Mbit/s

95th percentile per-packet one-way delay: 93.739 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 03:57:07

End at: 2018-08-10 03:57:37

Local clock offset: -0.136 ms

Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-08-10 09:52:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 412.43 Mbit/s

95th percentile per-packet one-way delay: 87.648 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 212.20 Mbit/s

95th percentile per-packet one-way delay: 87.419 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 208.84 Mbit/s

95th percentile per-packet one-way delay: 87.790 ms

Loss rate: 0.00%

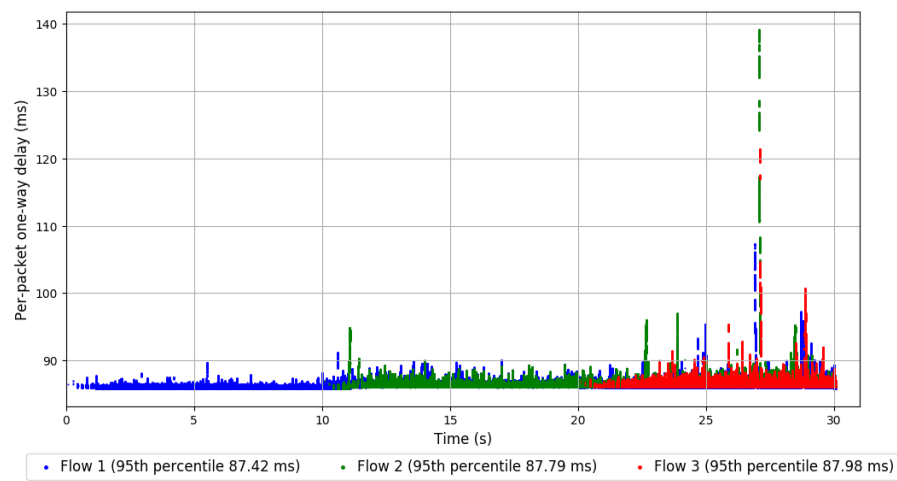
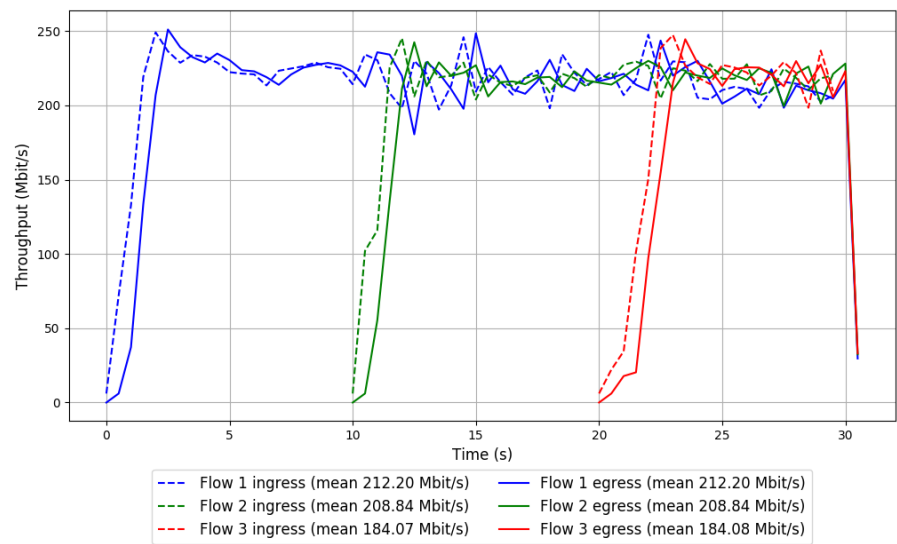
-- Flow 3:

Average throughput: 184.08 Mbit/s

95th percentile per-packet one-way delay: 87.977 ms

Loss rate: 0.00%

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



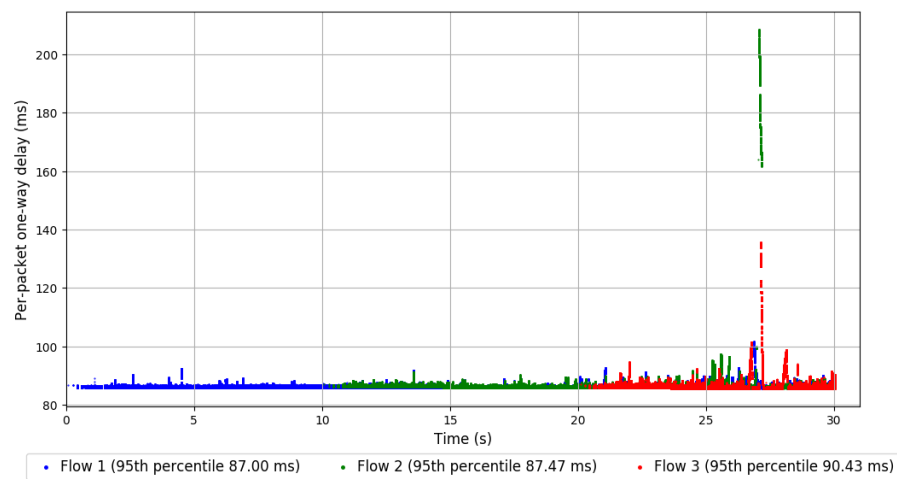
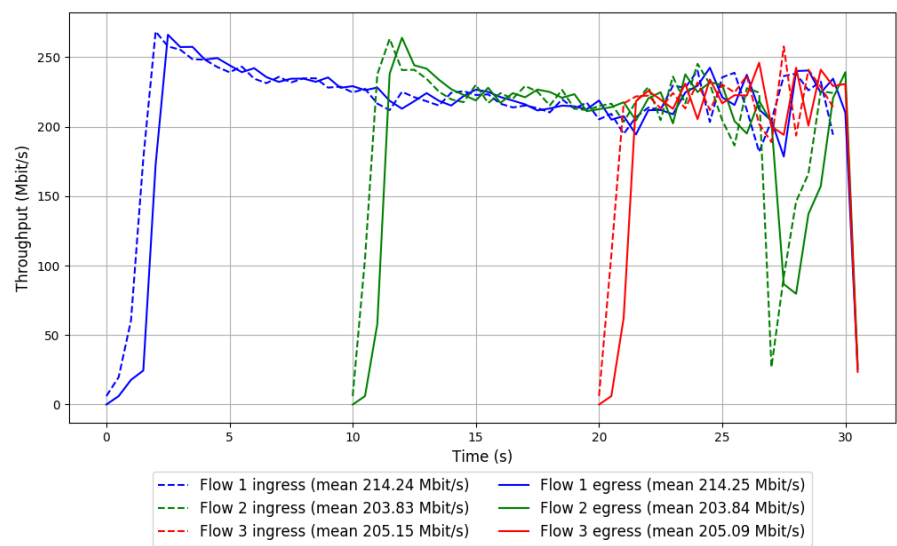
Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 04:24:24  
End at: 2018-08-10 04:24:54  
Local clock offset: -0.049 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-08-10 09:52:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 418.16 Mbit/s  
95th percentile per-packet one-way delay: 87.487 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 214.25 Mbit/s  
95th percentile per-packet one-way delay: 87.003 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 203.84 Mbit/s  
95th percentile per-packet one-way delay: 87.474 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 205.09 Mbit/s  
95th percentile per-packet one-way delay: 90.430 ms  
Loss rate: 0.02%



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

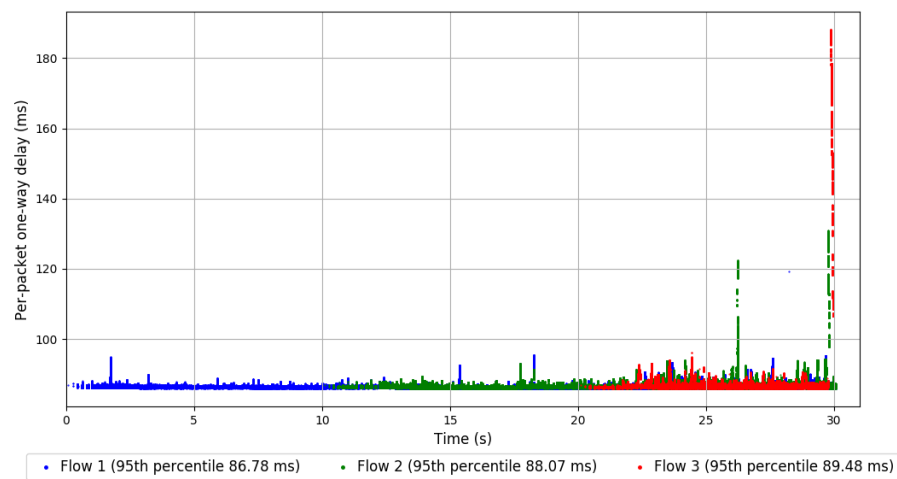
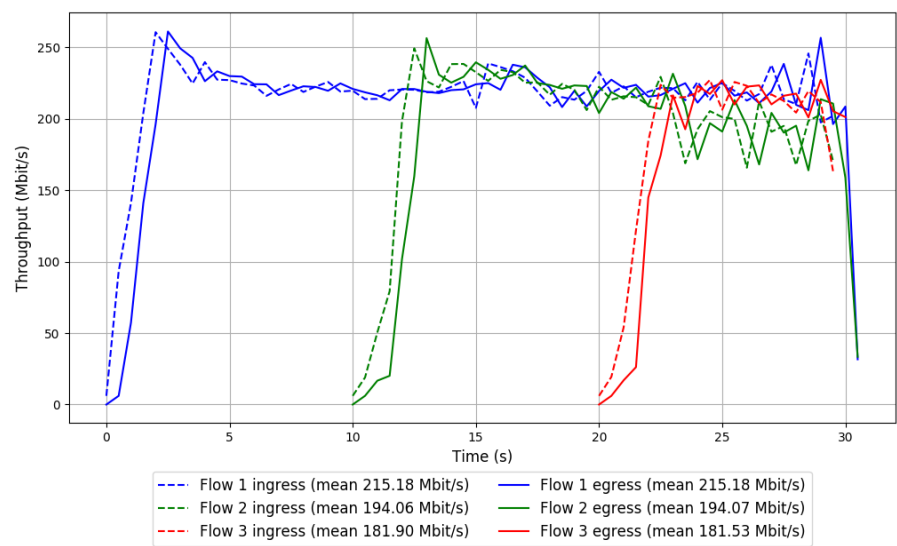


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 04:51:26  
End at: 2018-08-10 04:51:56  
Local clock offset: -0.183 ms  
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-08-10 09:53:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 404.11 Mbit/s  
95th percentile per-packet one-way delay: 87.521 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 215.18 Mbit/s  
95th percentile per-packet one-way delay: 86.776 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 194.07 Mbit/s  
95th percentile per-packet one-way delay: 88.074 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 181.53 Mbit/s  
95th percentile per-packet one-way delay: 89.484 ms  
Loss rate: 0.00%

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

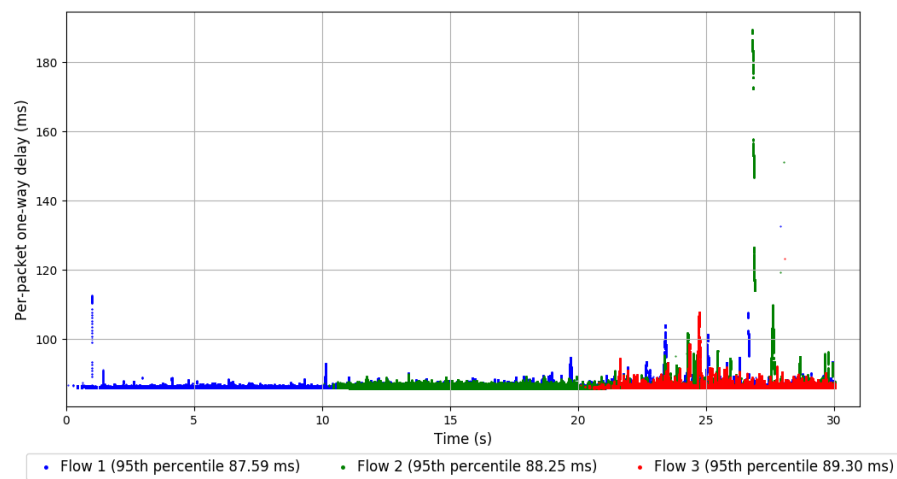
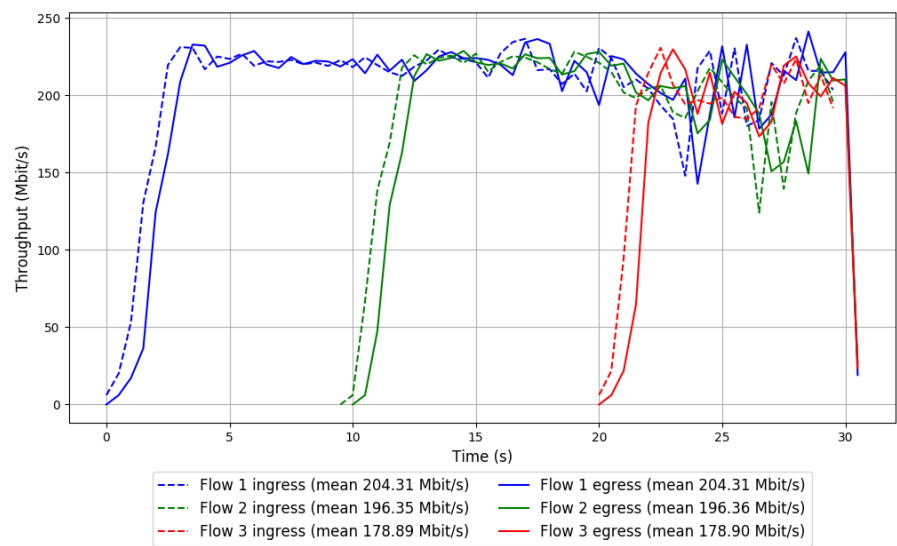


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 05:18:38  
End at: 2018-08-10 05:19:08  
Local clock offset: -0.182 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-08-10 09:55:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 394.61 Mbit/s  
95th percentile per-packet one-way delay: 88.030 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 204.31 Mbit/s  
95th percentile per-packet one-way delay: 87.595 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 196.36 Mbit/s  
95th percentile per-packet one-way delay: 88.253 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 178.90 Mbit/s  
95th percentile per-packet one-way delay: 89.300 ms  
Loss rate: 0.00%

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

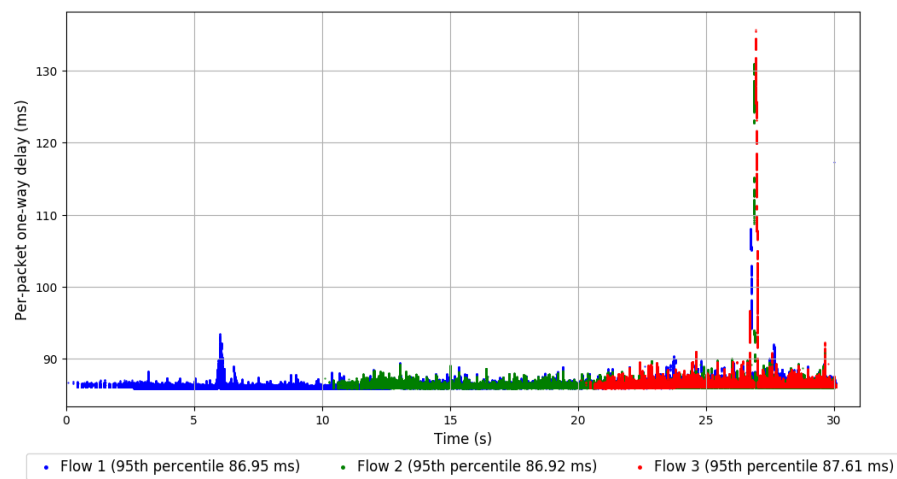
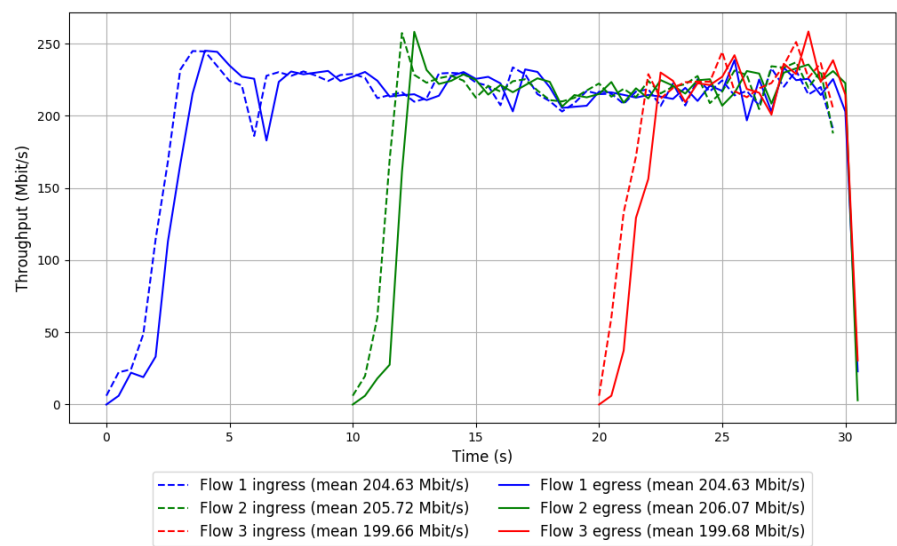


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 05:45:55  
End at: 2018-08-10 05:46:25  
Local clock offset: -0.236 ms  
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-08-10 09:57:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 407.88 Mbit/s  
95th percentile per-packet one-way delay: 87.056 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 204.63 Mbit/s  
95th percentile per-packet one-way delay: 86.952 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 206.07 Mbit/s  
95th percentile per-packet one-way delay: 86.923 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 199.68 Mbit/s  
95th percentile per-packet one-way delay: 87.609 ms  
Loss rate: 0.00%

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



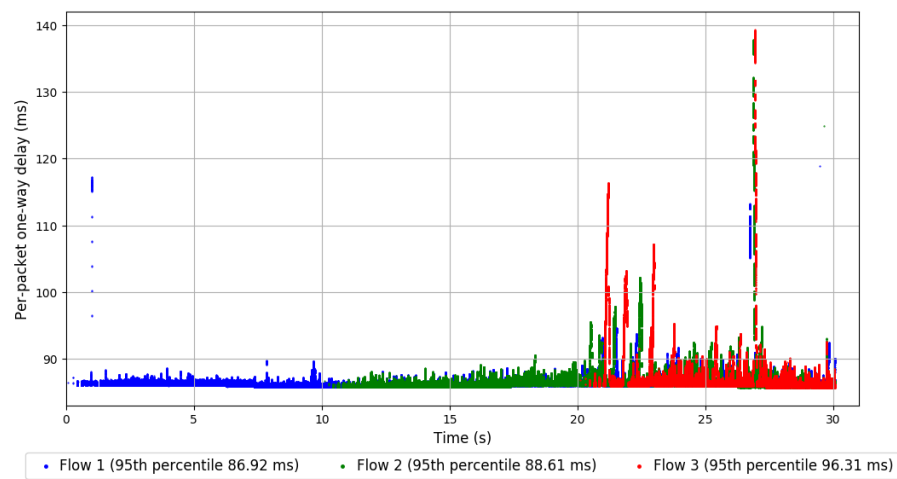
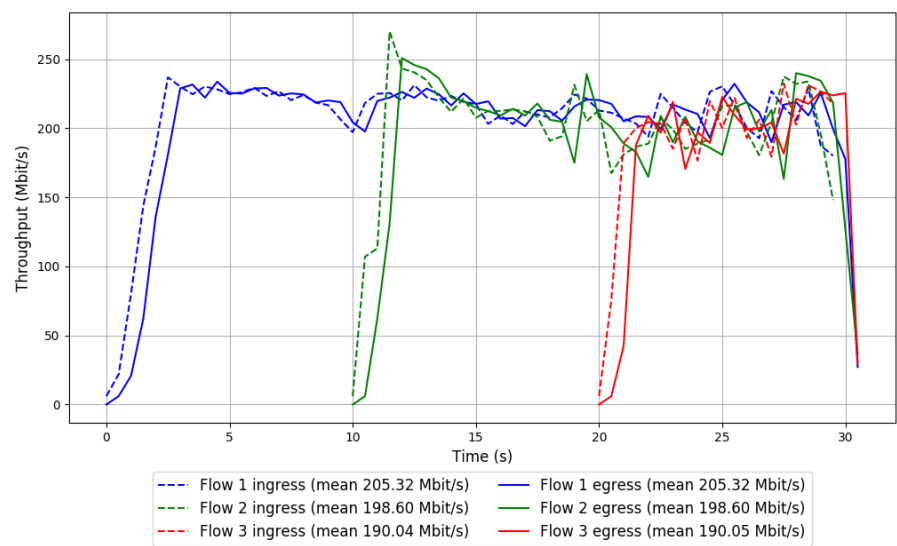
Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 06:12:51  
End at: 2018-08-10 06:13:21  
Local clock offset: -0.142 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-08-10 10:03:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 400.64 Mbit/s  
95th percentile per-packet one-way delay: 88.133 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 205.32 Mbit/s  
95th percentile per-packet one-way delay: 86.921 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 198.60 Mbit/s  
95th percentile per-packet one-way delay: 88.613 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 190.05 Mbit/s  
95th percentile per-packet one-way delay: 96.312 ms  
Loss rate: 0.00%



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

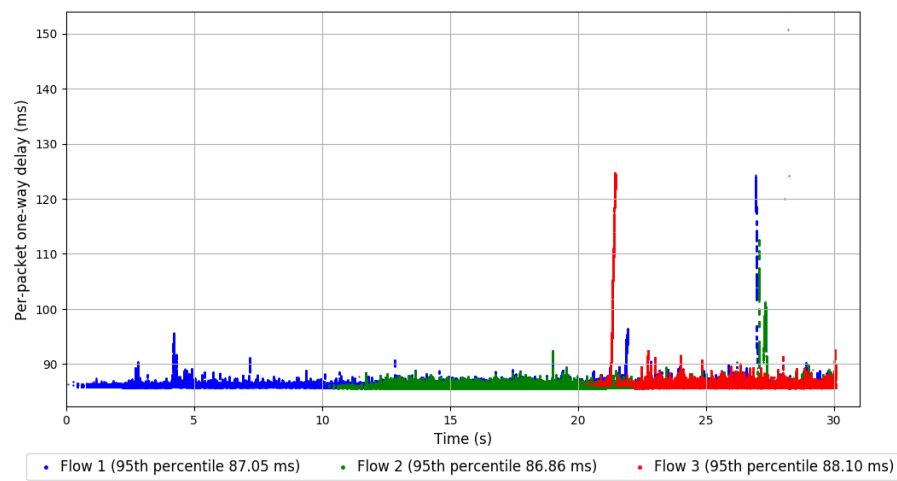
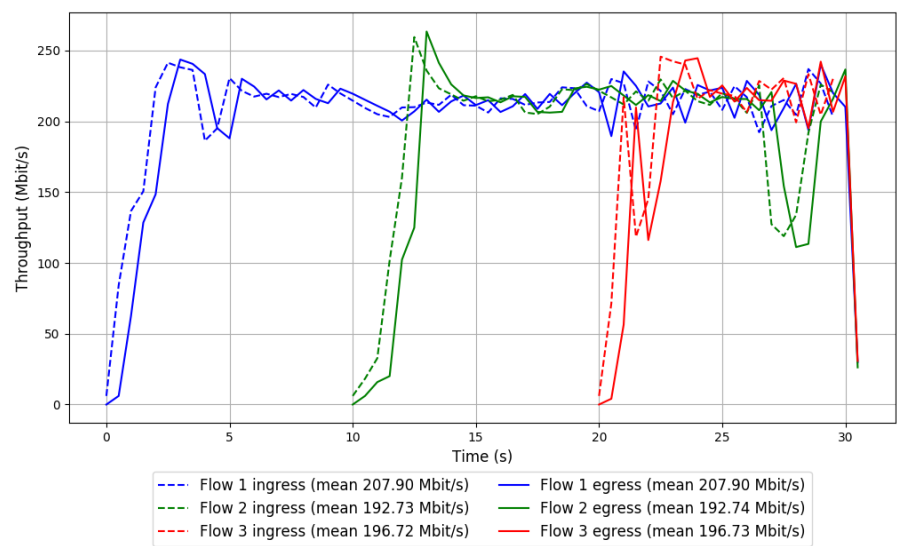


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 06:39:56
End at: 2018-08-10 06:40:26
Local clock offset: 0.03 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-08-10 10:03:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.60 Mbit/s
95th percentile per-packet one-way delay: 87.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 87.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.74 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.73 Mbit/s
95th percentile per-packet one-way delay: 88.098 ms
Loss rate: 0.00%
```

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

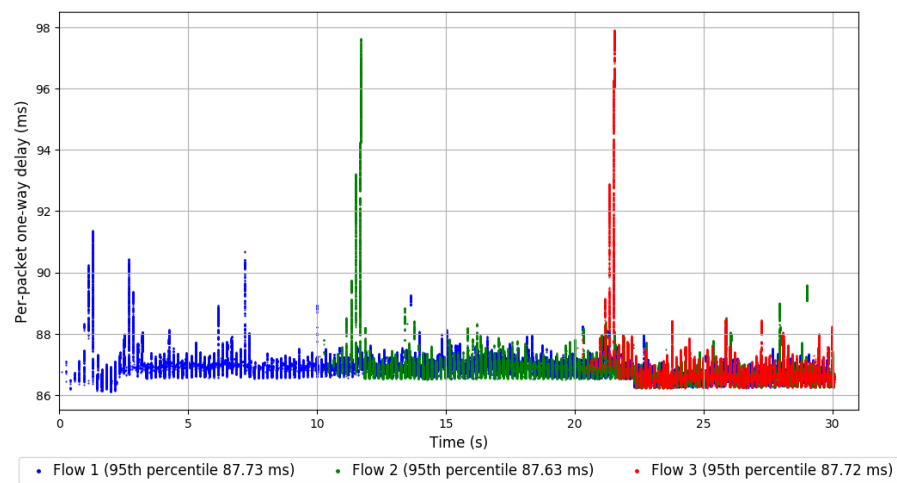
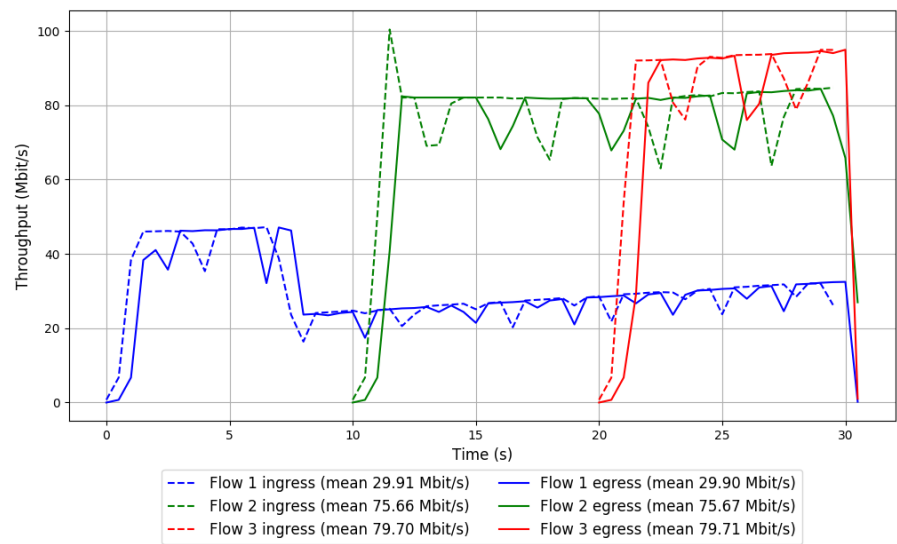


Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 02:24:06  
End at: 2018-08-10 02:24:36  
Local clock offset: -0.228 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 106.77 Mbit/s  
95th percentile per-packet one-way delay: 87.691 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 29.90 Mbit/s  
95th percentile per-packet one-way delay: 87.732 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 75.67 Mbit/s  
95th percentile per-packet one-way delay: 87.633 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 79.71 Mbit/s  
95th percentile per-packet one-way delay: 87.725 ms  
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

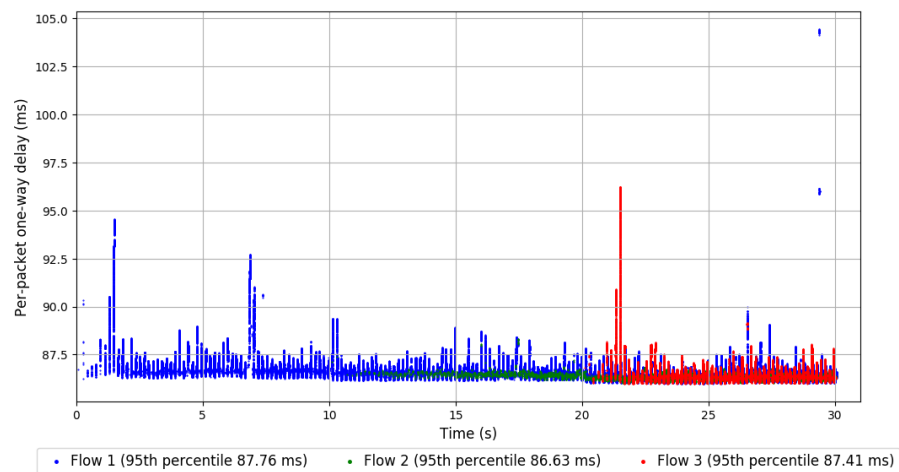
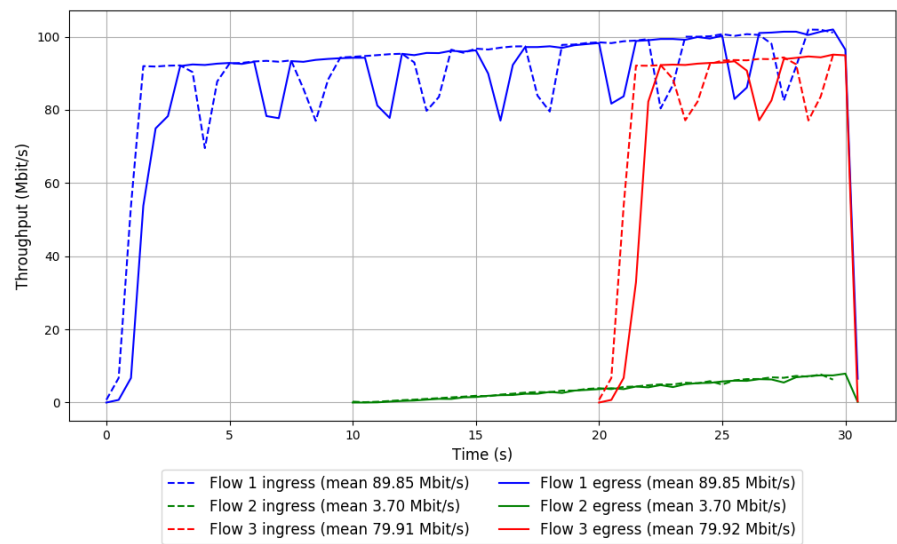


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 02:51:18  
End at: 2018-08-10 02:51:48  
Local clock offset: -0.312 ms  
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 118.81 Mbit/s  
95th percentile per-packet one-way delay: 87.697 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 89.85 Mbit/s  
95th percentile per-packet one-way delay: 87.762 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 3.70 Mbit/s  
95th percentile per-packet one-way delay: 86.627 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 79.92 Mbit/s  
95th percentile per-packet one-way delay: 87.405 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



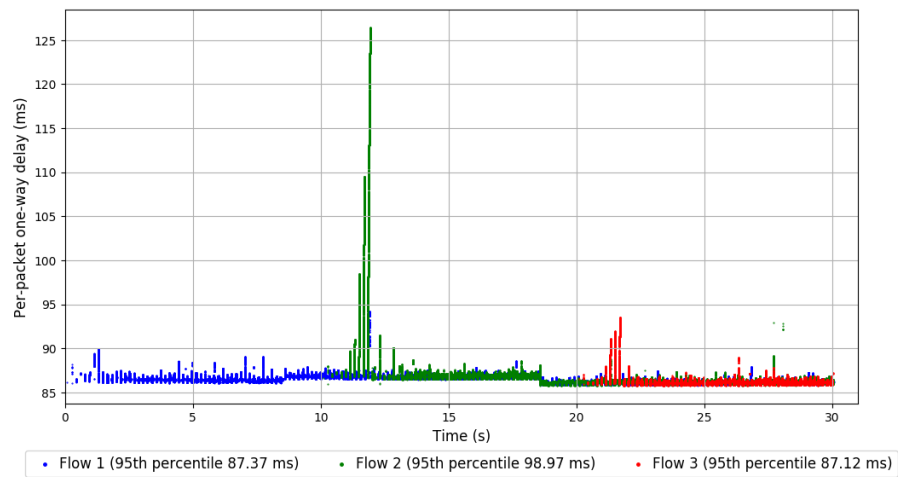
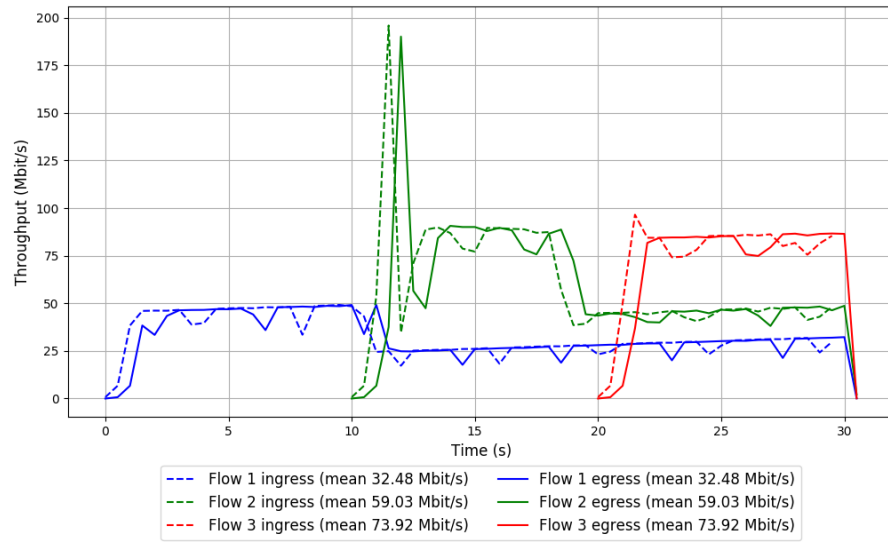
Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 03:18:20  
End at: 2018-08-10 03:18:50  
Local clock offset: 0.035 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.22 Mbit/s  
95th percentile per-packet one-way delay: 88.489 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 32.48 Mbit/s  
95th percentile per-packet one-way delay: 87.371 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.03 Mbit/s  
95th percentile per-packet one-way delay: 98.973 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 73.92 Mbit/s  
95th percentile per-packet one-way delay: 87.117 ms  
Loss rate: 0.00%



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



Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 03:45:29

End at: 2018-08-10 03:45:59

Local clock offset: -0.326 ms

Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-08-10 10:03:38

# Datalink statistics

-- Total of 3 flows:

Average throughput: 189.88 Mbit/s

95th percentile per-packet one-way delay: 87.352 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 136.54 Mbit/s

95th percentile per-packet one-way delay: 87.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 87.240 ms

Loss rate: 0.00%

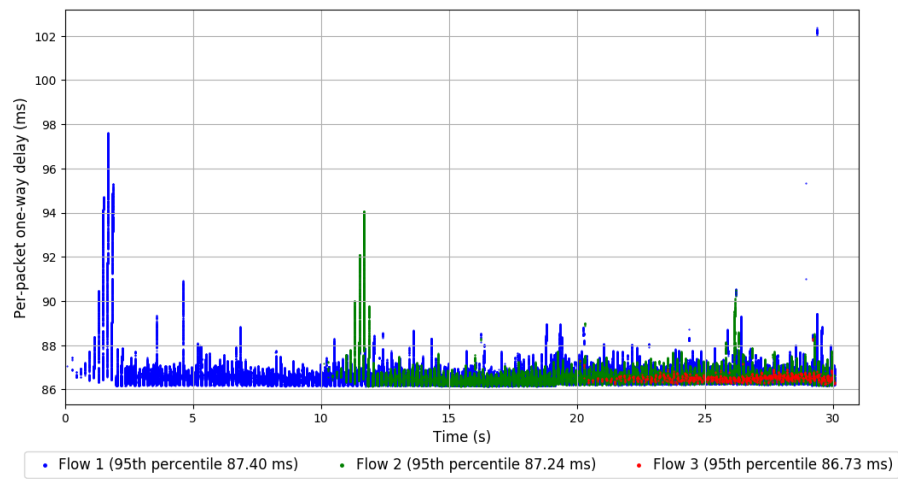
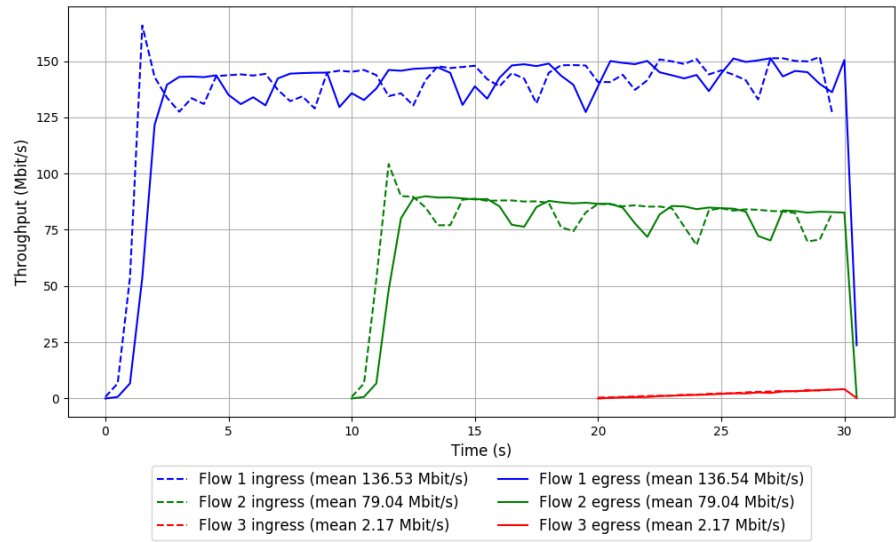
-- Flow 3:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 86.735 ms

Loss rate: 0.33%

# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 04:13:03

End at: 2018-08-10 04:13:33

Local clock offset: -0.332 ms

Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-08-10 10:03:38

# Datalink statistics

-- Total of 3 flows:

Average throughput: 110.60 Mbit/s

95th percentile per-packet one-way delay: 87.961 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.93 Mbit/s

95th percentile per-packet one-way delay: 88.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.01 Mbit/s

95th percentile per-packet one-way delay: 87.883 ms

Loss rate: 0.00%

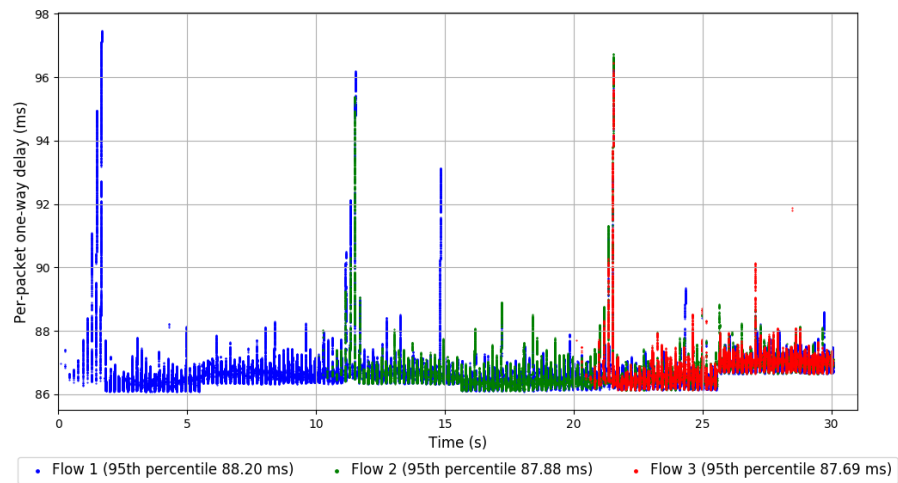
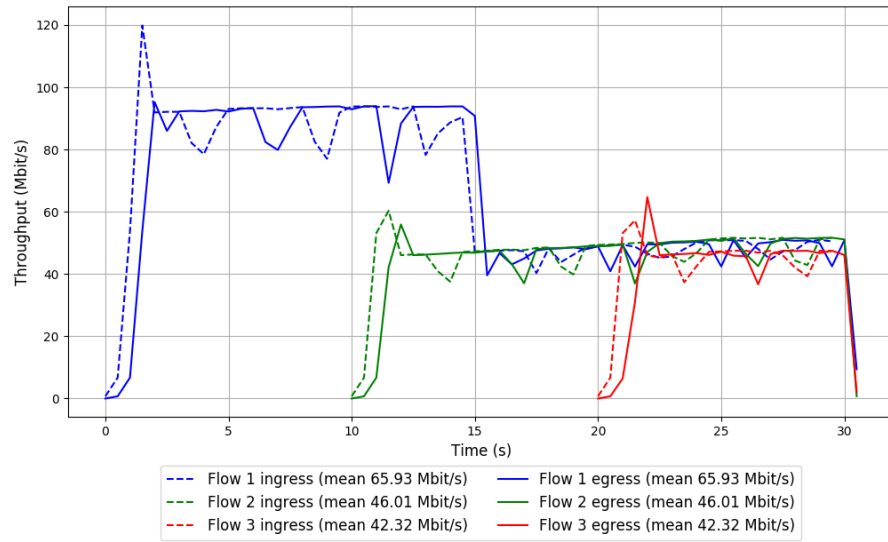
-- Flow 3:

Average throughput: 42.32 Mbit/s

95th percentile per-packet one-way delay: 87.687 ms

Loss rate: 0.00%

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

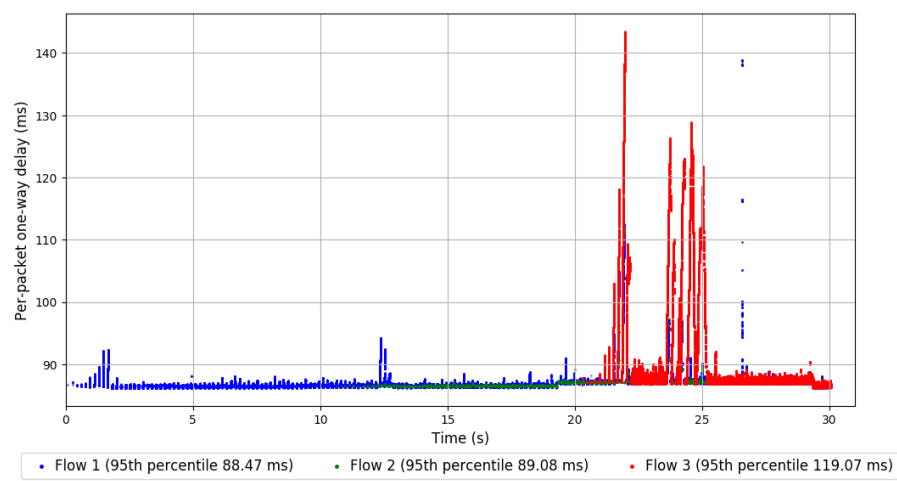
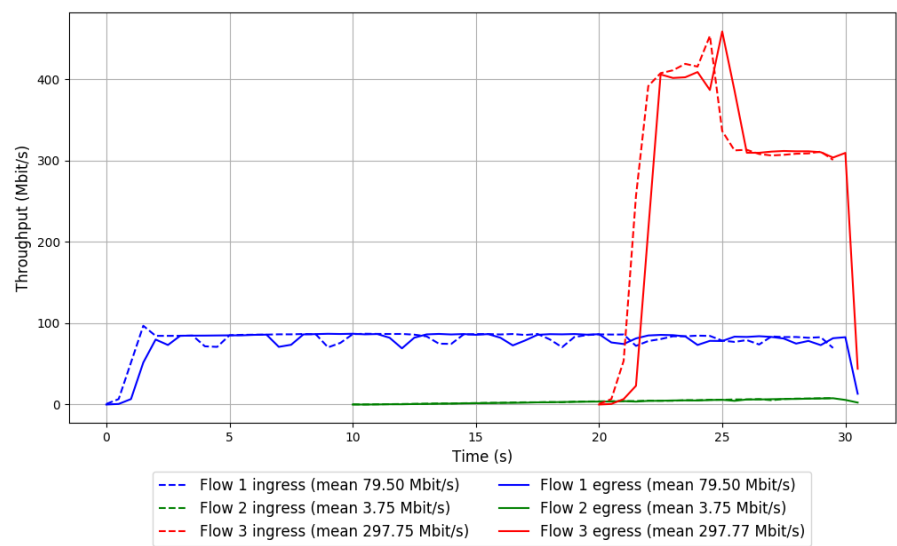


Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 04:40:09  
End at: 2018-08-10 04:40:39  
Local clock offset: -0.361 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 180.83 Mbit/s  
95th percentile per-packet one-way delay: 111.644 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 79.50 Mbit/s  
95th percentile per-packet one-way delay: 88.468 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 3.75 Mbit/s  
95th percentile per-packet one-way delay: 89.077 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 297.77 Mbit/s  
95th percentile per-packet one-way delay: 119.073 ms  
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



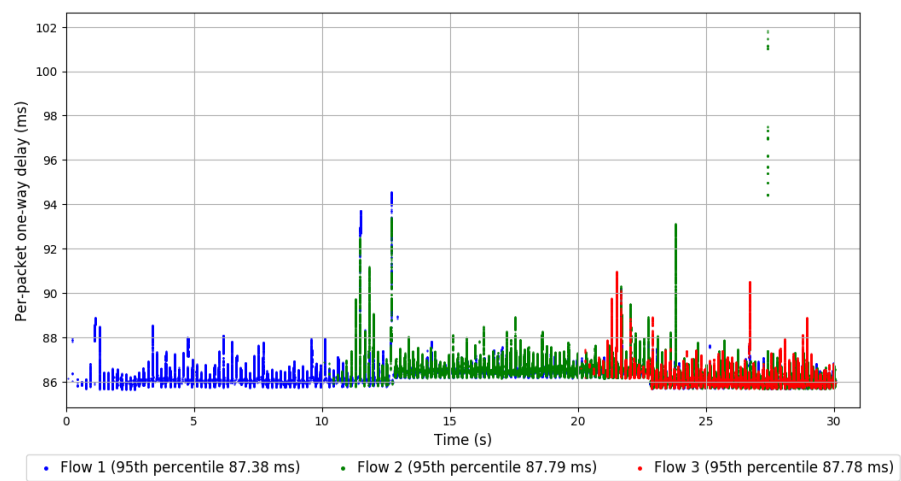
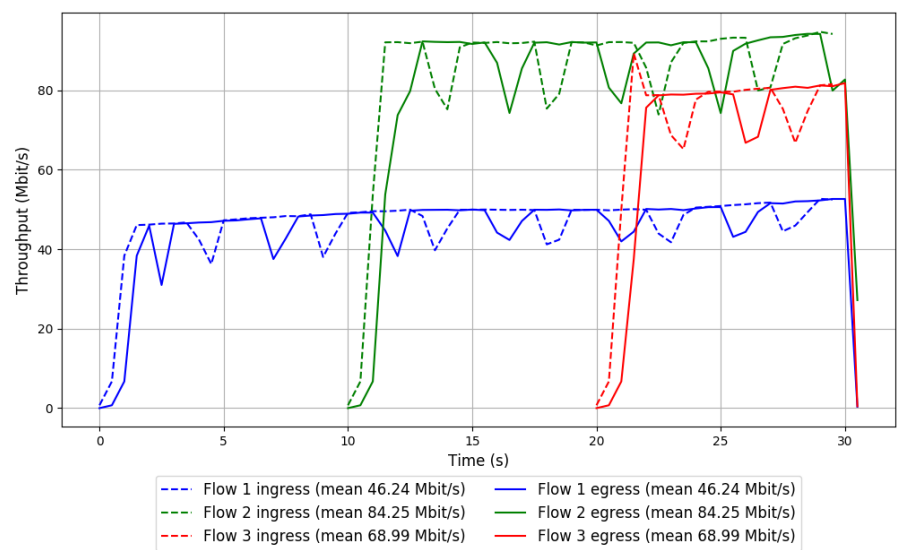
Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 05:07:16  
End at: 2018-08-10 05:07:46  
Local clock offset: 0.088 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.26 Mbit/s  
95th percentile per-packet one-way delay: 87.624 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.24 Mbit/s  
95th percentile per-packet one-way delay: 87.375 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 84.25 Mbit/s  
95th percentile per-packet one-way delay: 87.787 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 68.99 Mbit/s  
95th percentile per-packet one-way delay: 87.781 ms  
Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link

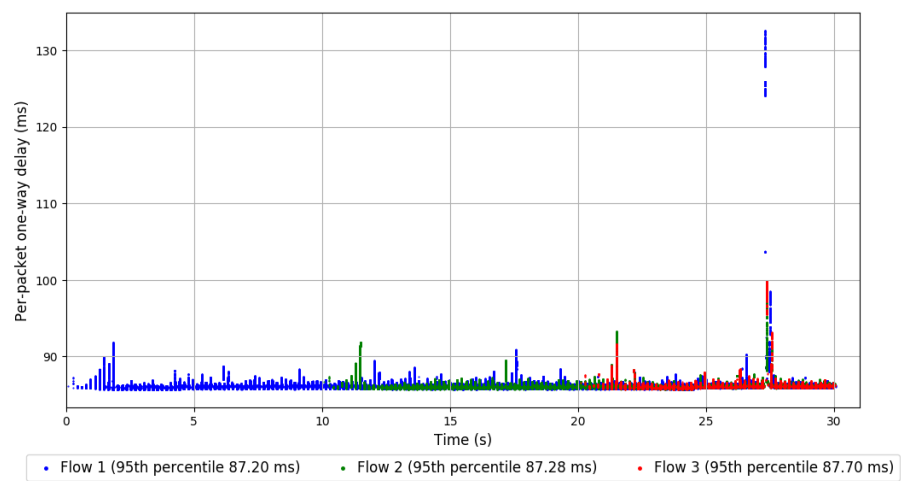
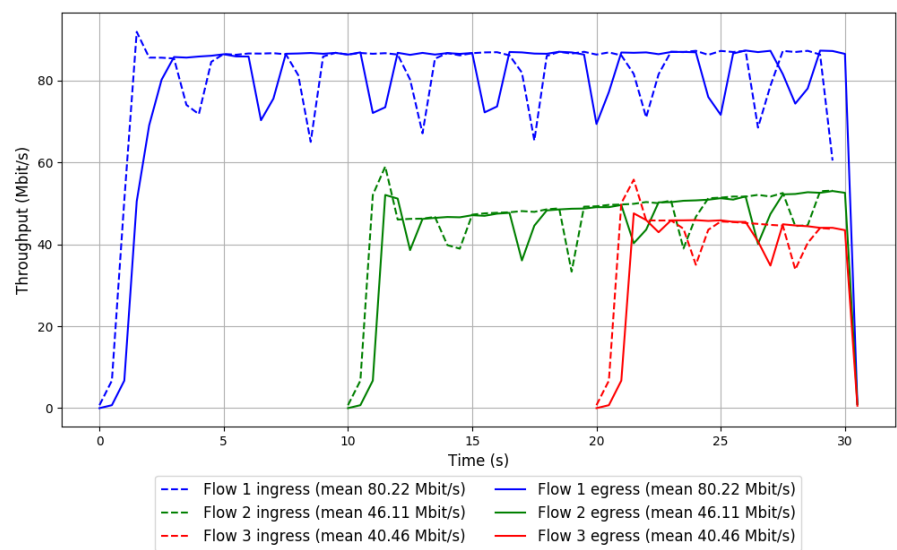


Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 05:34:34  
End at: 2018-08-10 05:35:04  
Local clock offset: 0.012 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.35 Mbit/s  
95th percentile per-packet one-way delay: 87.272 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 80.22 Mbit/s  
95th percentile per-packet one-way delay: 87.204 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 46.11 Mbit/s  
95th percentile per-packet one-way delay: 87.280 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 87.701 ms  
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

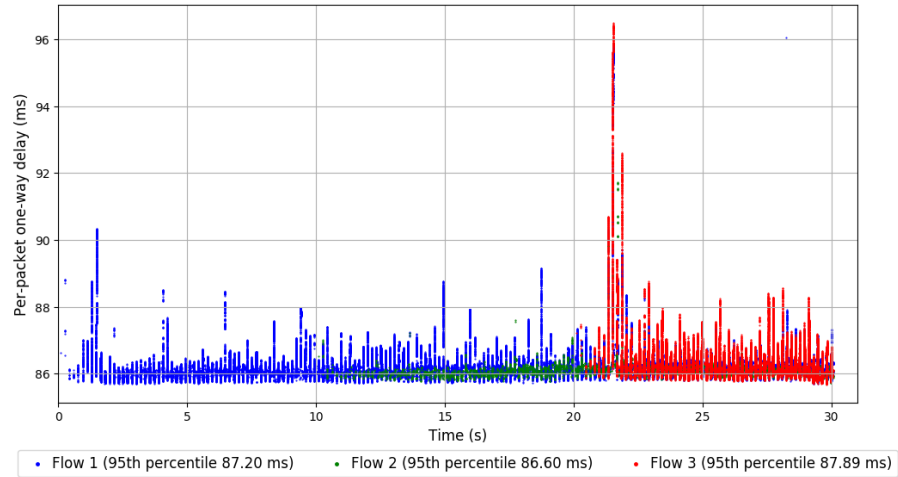
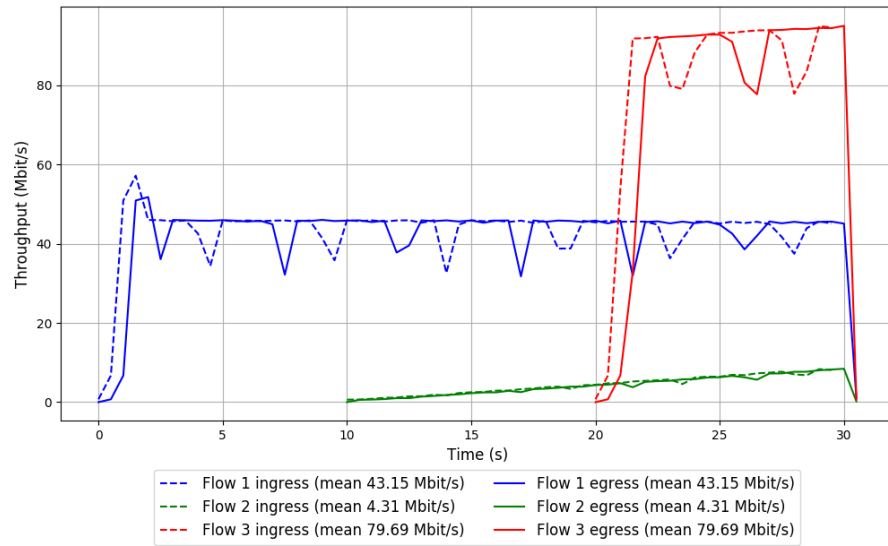


Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 06:01:39  
End at: 2018-08-10 06:02:09  
Local clock offset: 0.072 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.47 Mbit/s  
95th percentile per-packet one-way delay: 87.449 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.15 Mbit/s  
95th percentile per-packet one-way delay: 87.199 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.31 Mbit/s  
95th percentile per-packet one-way delay: 86.603 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 79.69 Mbit/s  
95th percentile per-packet one-way delay: 87.890 ms  
Loss rate: 0.00%

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

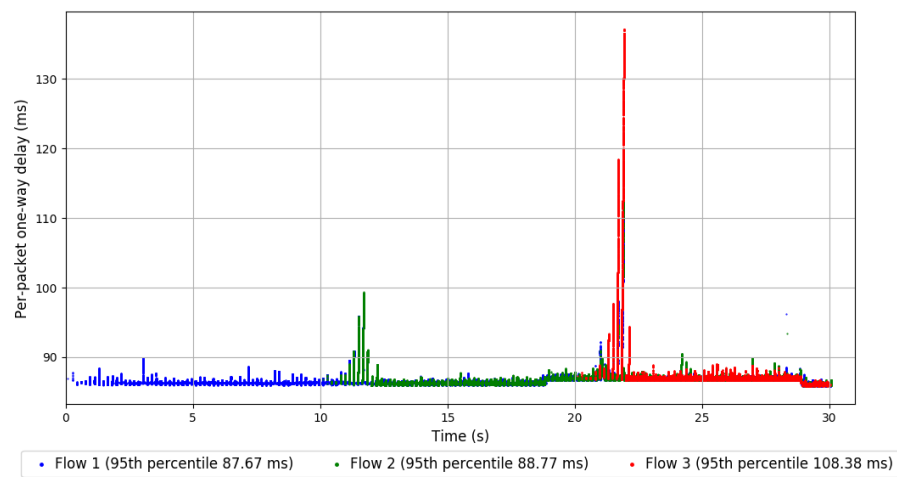
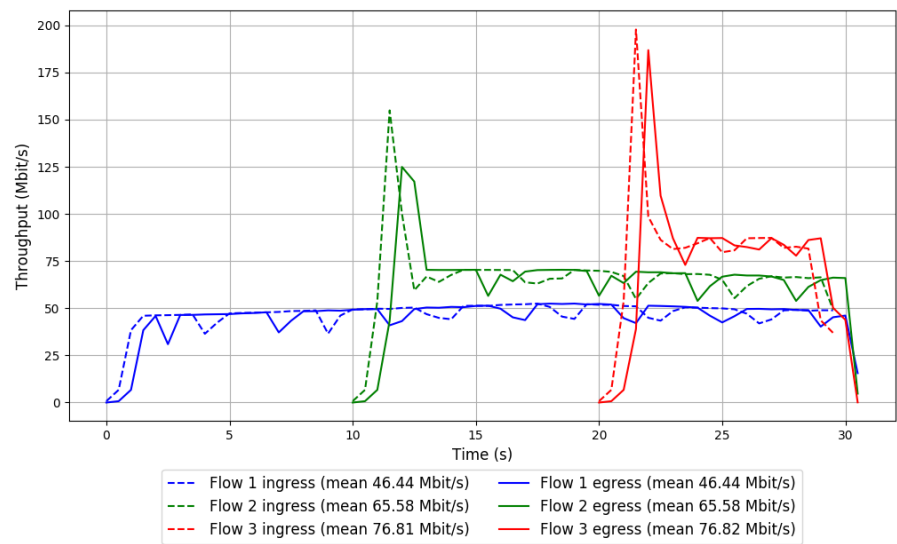


Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 06:28:40  
End at: 2018-08-10 06:29:10  
Local clock offset: -0.188 ms  
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 115.58 Mbit/s  
95th percentile per-packet one-way delay: 89.842 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.44 Mbit/s  
95th percentile per-packet one-way delay: 87.675 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 65.58 Mbit/s  
95th percentile per-packet one-way delay: 88.772 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 76.82 Mbit/s  
95th percentile per-packet one-way delay: 108.376 ms  
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



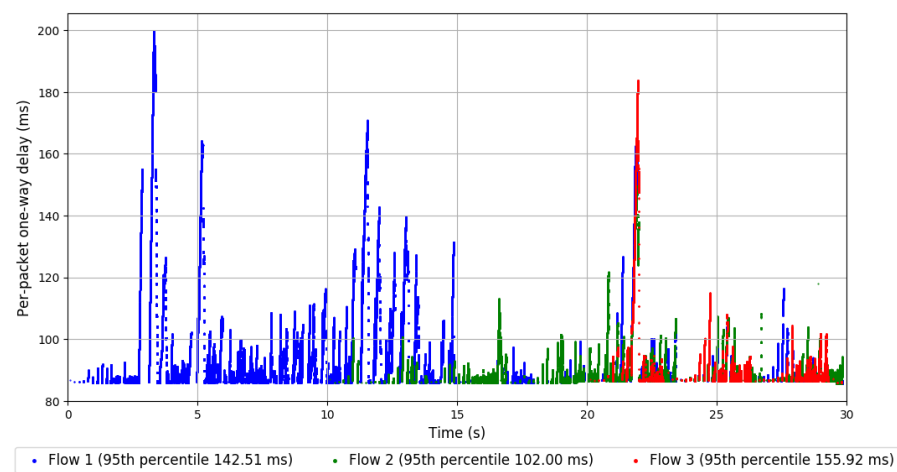
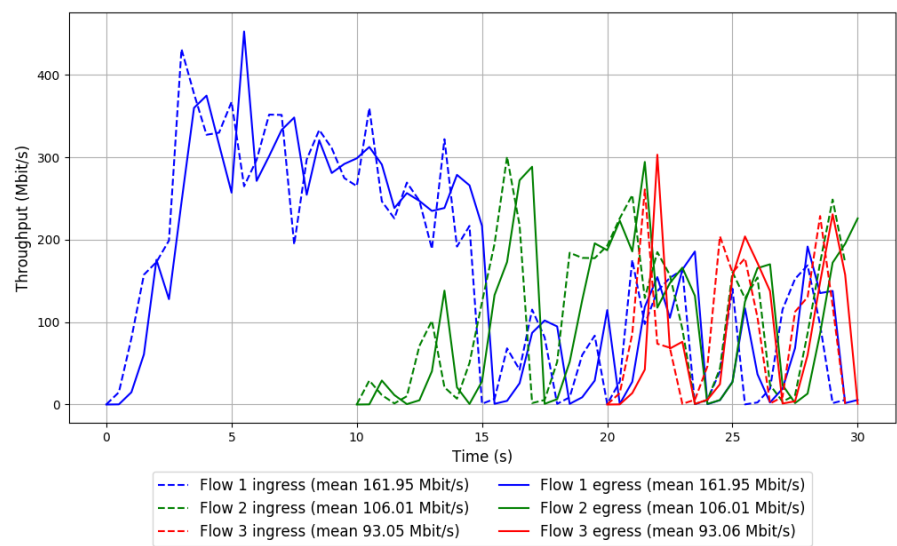
Run 1: Statistics of Verus

Start at: 2018-08-10 02:37:19  
End at: 2018-08-10 02:37:49  
Local clock offset: 0.114 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-08-10 10:03:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 262.65 Mbit/s  
95th percentile per-packet one-way delay: 135.796 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 161.95 Mbit/s  
95th percentile per-packet one-way delay: 142.509 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 106.01 Mbit/s  
95th percentile per-packet one-way delay: 102.005 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 155.923 ms  
Loss rate: 0.00%



Run 1: Report of Verus — Data Link

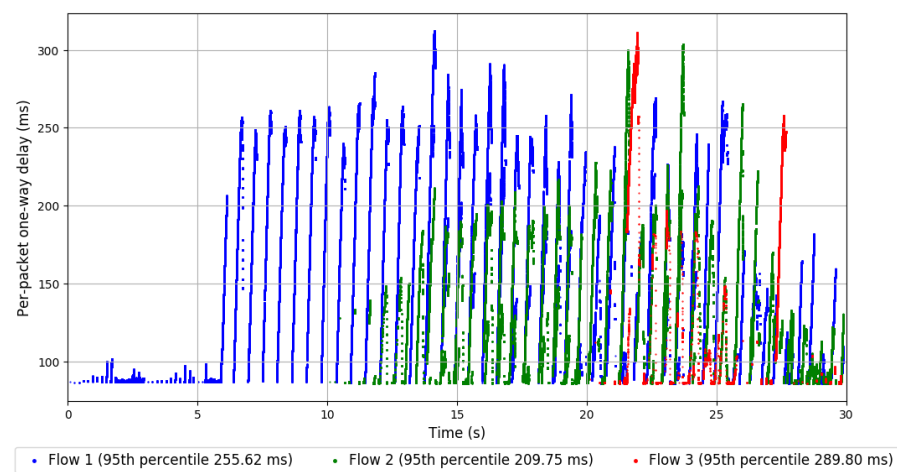
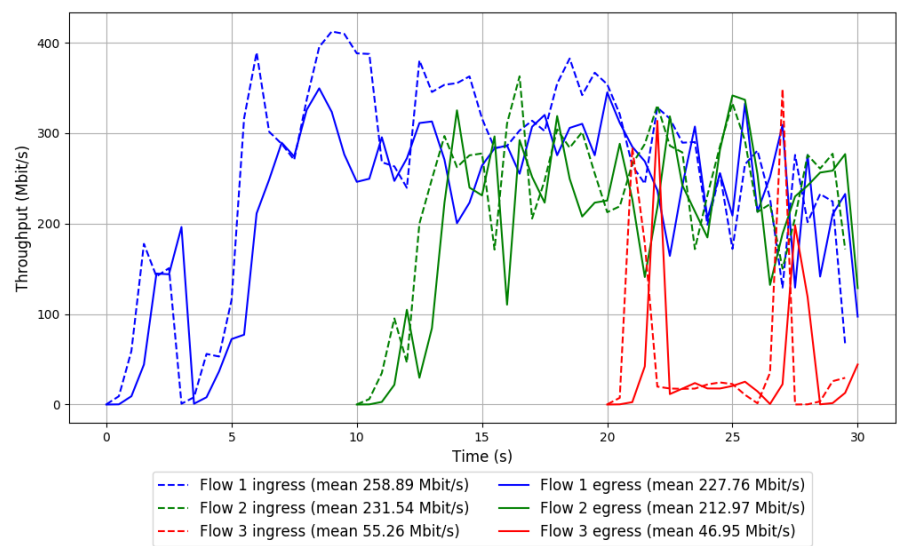


Run 2: Statistics of Verus

Start at: 2018-08-10 03:04:18  
End at: 2018-08-10 03:04:48  
Local clock offset: -0.138 ms  
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-08-10 10:04:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 384.35 Mbit/s  
95th percentile per-packet one-way delay: 254.365 ms  
Loss rate: 10.72%  
-- Flow 1:  
Average throughput: 227.76 Mbit/s  
95th percentile per-packet one-way delay: 255.616 ms  
Loss rate: 12.03%  
-- Flow 2:  
Average throughput: 212.97 Mbit/s  
95th percentile per-packet one-way delay: 209.750 ms  
Loss rate: 8.03%  
-- Flow 3:  
Average throughput: 46.95 Mbit/s  
95th percentile per-packet one-way delay: 289.799 ms  
Loss rate: 15.01%

Run 2: Report of Verus — Data Link

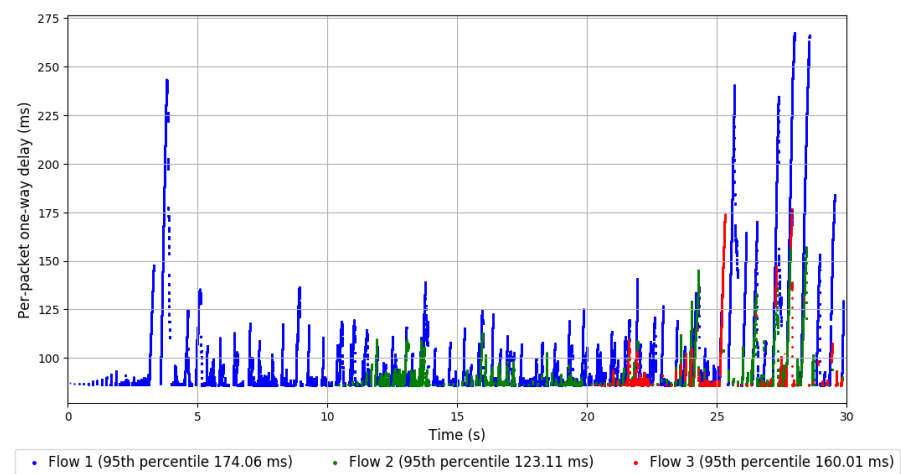
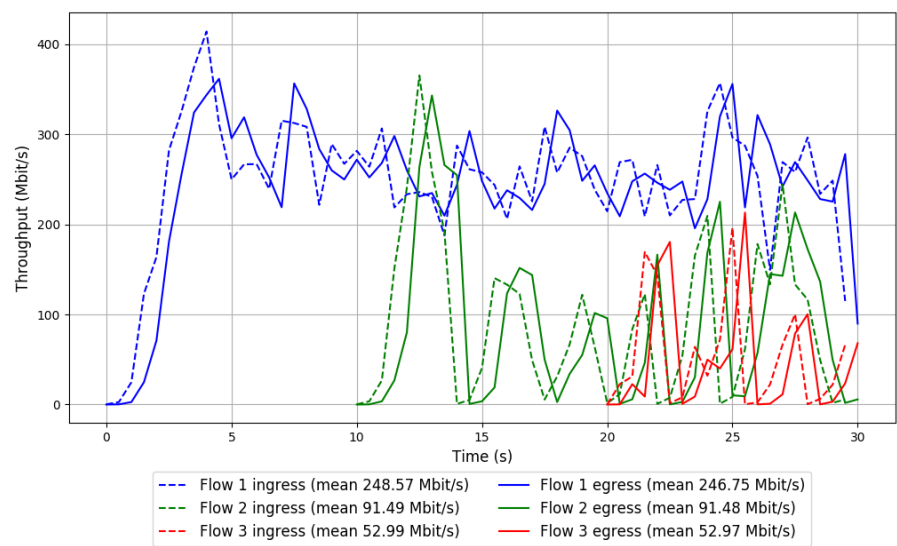


Run 3: Statistics of Verus

Start at: 2018-08-10 03:31:24  
End at: 2018-08-10 03:31:54  
Local clock offset: -0.148 ms  
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-08-10 10:04:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 324.55 Mbit/s  
95th percentile per-packet one-way delay: 161.505 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 246.75 Mbit/s  
95th percentile per-packet one-way delay: 174.055 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 91.48 Mbit/s  
95th percentile per-packet one-way delay: 123.111 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.97 Mbit/s  
95th percentile per-packet one-way delay: 160.011 ms  
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-10 03:58:59

End at: 2018-08-10 03:59:29

Local clock offset: -0.005 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-08-10 10:04:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 315.80 Mbit/s

95th percentile per-packet one-way delay: 143.421 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 234.50 Mbit/s

95th percentile per-packet one-way delay: 144.111 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 80.70 Mbit/s

95th percentile per-packet one-way delay: 161.693 ms

Loss rate: 0.07%

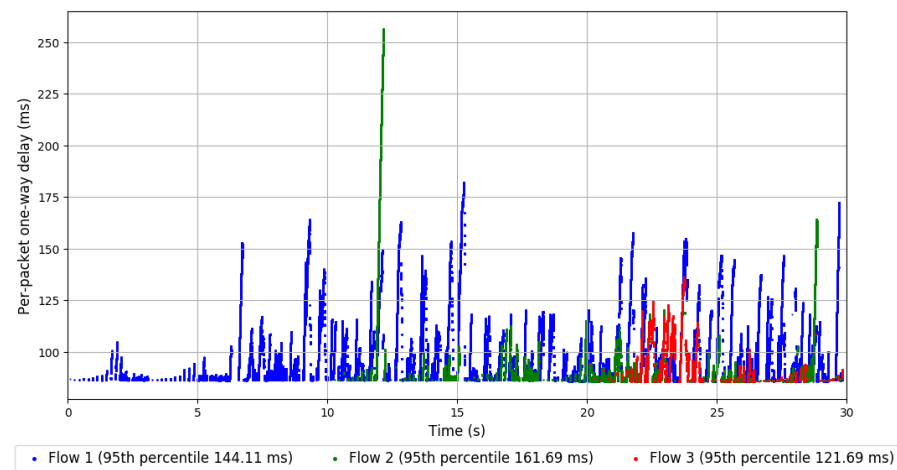
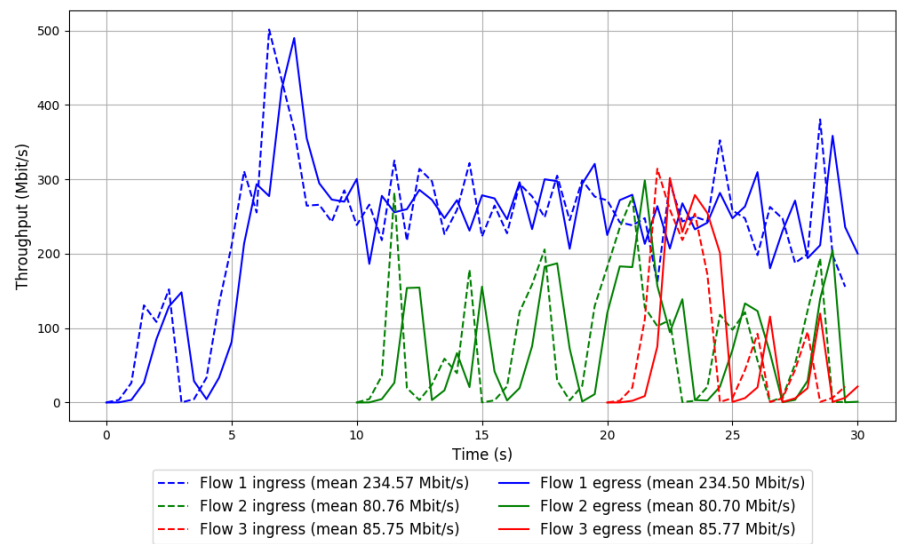
-- Flow 3:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 121.695 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



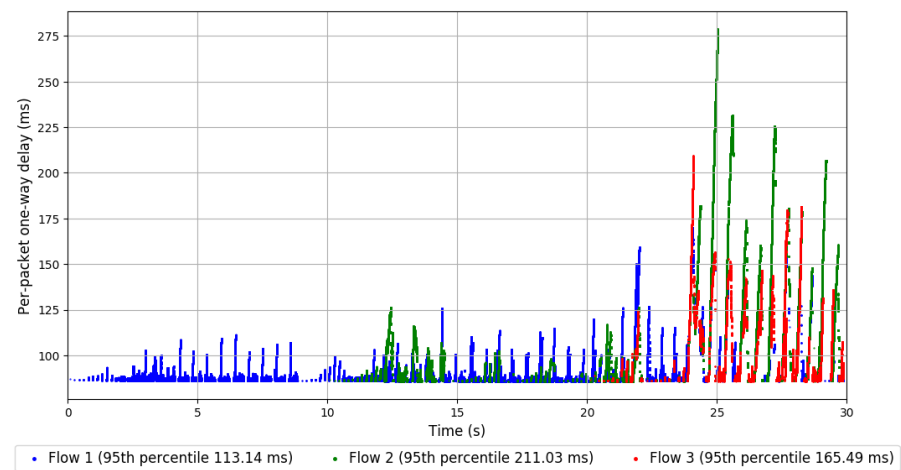
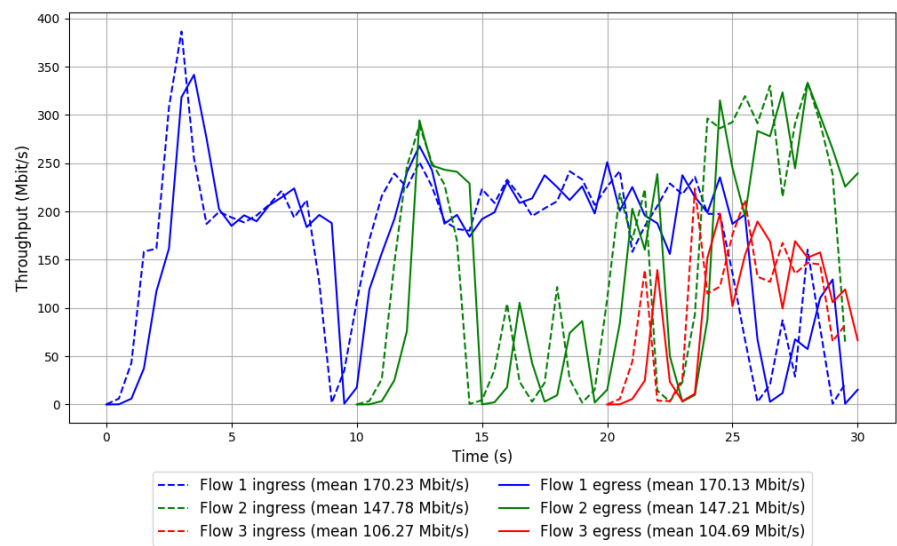
Run 5: Statistics of Verus

Start at: 2018-08-10 04:26:16  
End at: 2018-08-10 04:26:46  
Local clock offset: -0.113 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-08-10 10:04:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 301.89 Mbit/s  
95th percentile per-packet one-way delay: 168.426 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 170.13 Mbit/s  
95th percentile per-packet one-way delay: 113.144 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 147.21 Mbit/s  
95th percentile per-packet one-way delay: 211.034 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 104.69 Mbit/s  
95th percentile per-packet one-way delay: 165.494 ms  
Loss rate: 1.49%



Run 5: Report of Verus — Data Link

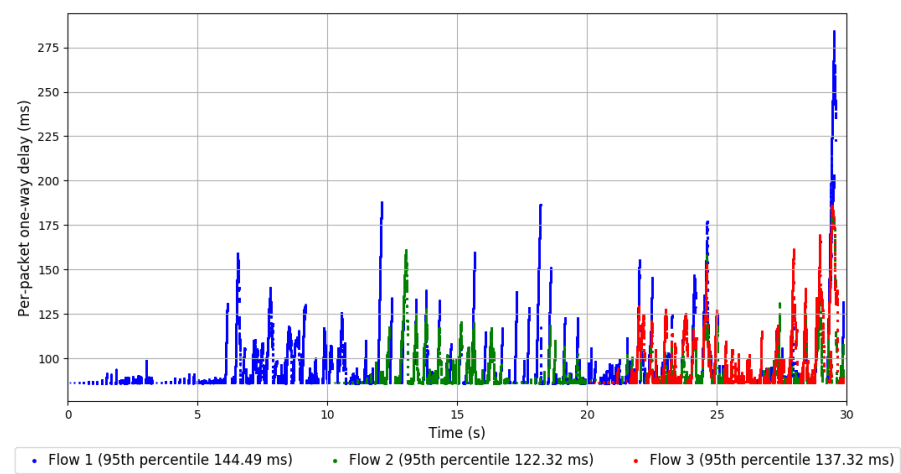
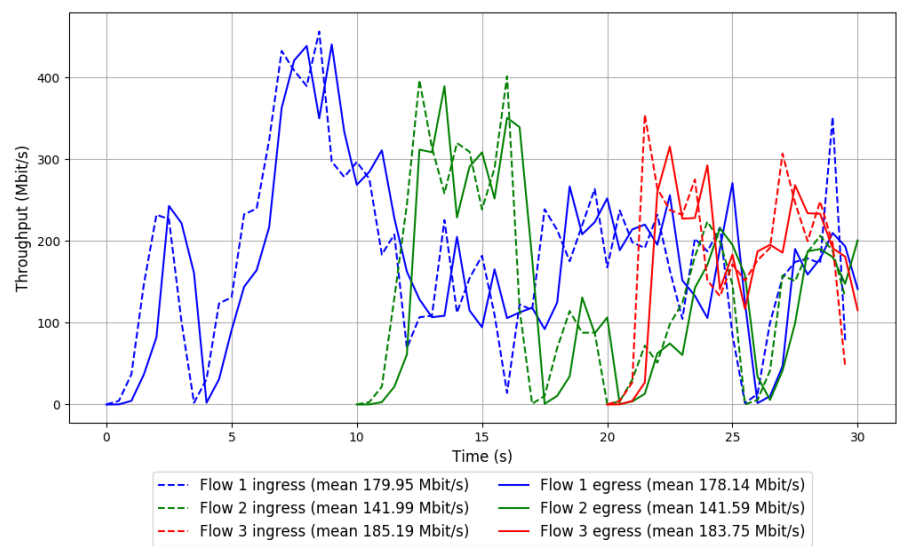


Run 6: Statistics of Verus

Start at: 2018-08-10 04:53:17  
End at: 2018-08-10 04:53:47  
Local clock offset: -0.219 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-08-10 10:04:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 332.36 Mbit/s  
95th percentile per-packet one-way delay: 138.128 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 178.14 Mbit/s  
95th percentile per-packet one-way delay: 144.490 ms  
Loss rate: 0.89%  
-- Flow 2:  
Average throughput: 141.59 Mbit/s  
95th percentile per-packet one-way delay: 122.322 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 183.75 Mbit/s  
95th percentile per-packet one-way delay: 137.316 ms  
Loss rate: 0.79%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-10 05:20:27

End at: 2018-08-10 05:20:57

Local clock offset: -0.139 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-08-10 10:08:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 378.43 Mbit/s

95th percentile per-packet one-way delay: 224.800 ms

Loss rate: 2.85%

-- Flow 1:

Average throughput: 253.36 Mbit/s

95th percentile per-packet one-way delay: 208.085 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 165.30 Mbit/s

95th percentile per-packet one-way delay: 234.681 ms

Loss rate: 2.85%

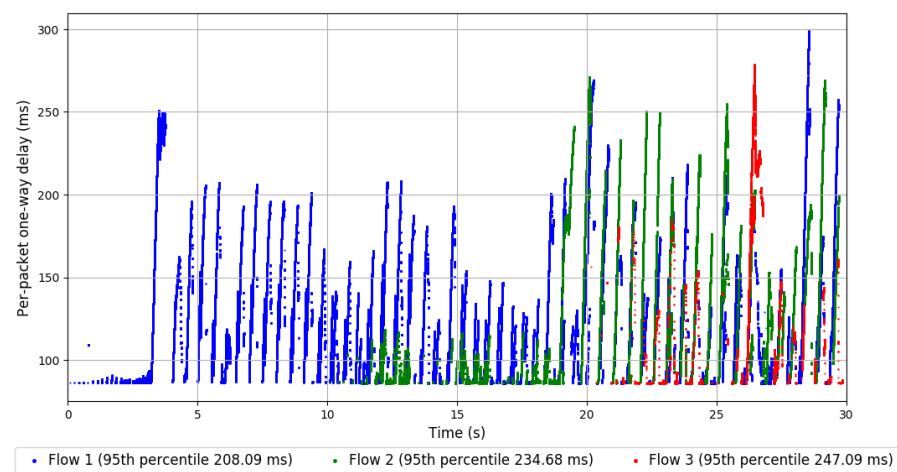
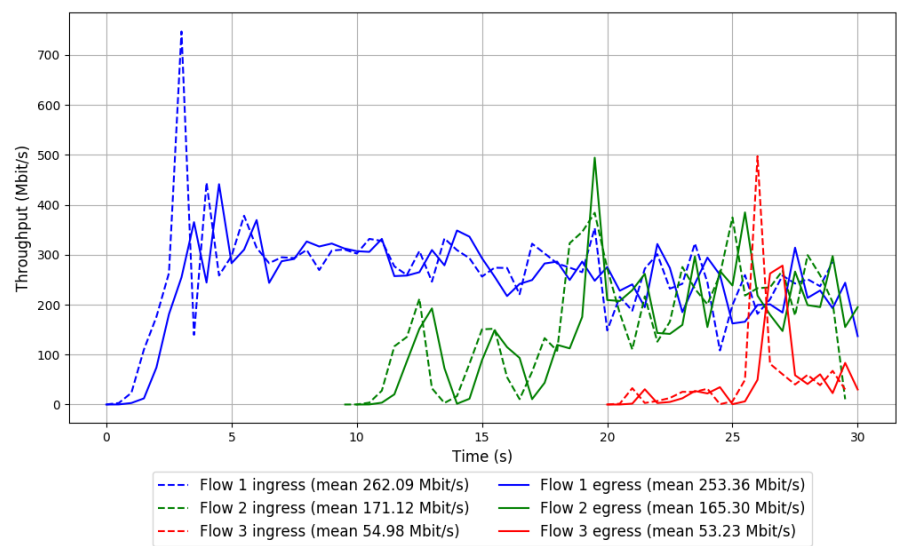
-- Flow 3:

Average throughput: 53.23 Mbit/s

95th percentile per-packet one-way delay: 247.095 ms

Loss rate: 3.86%

Run 7: Report of Verus — Data Link

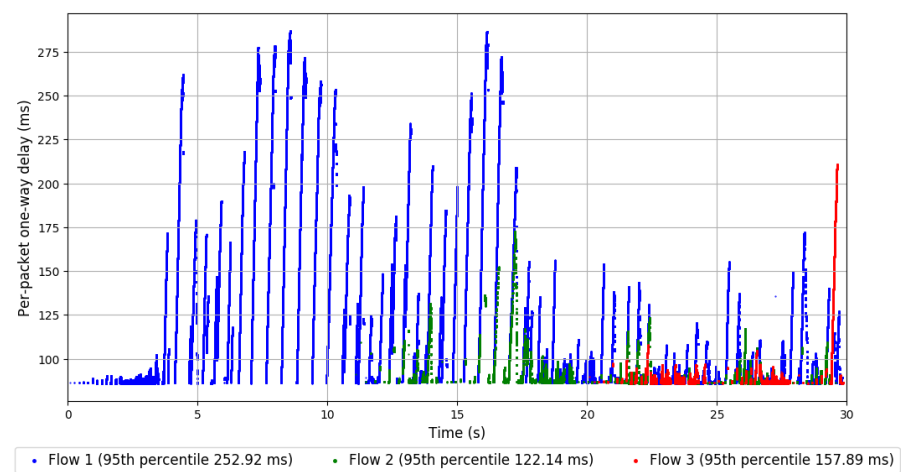
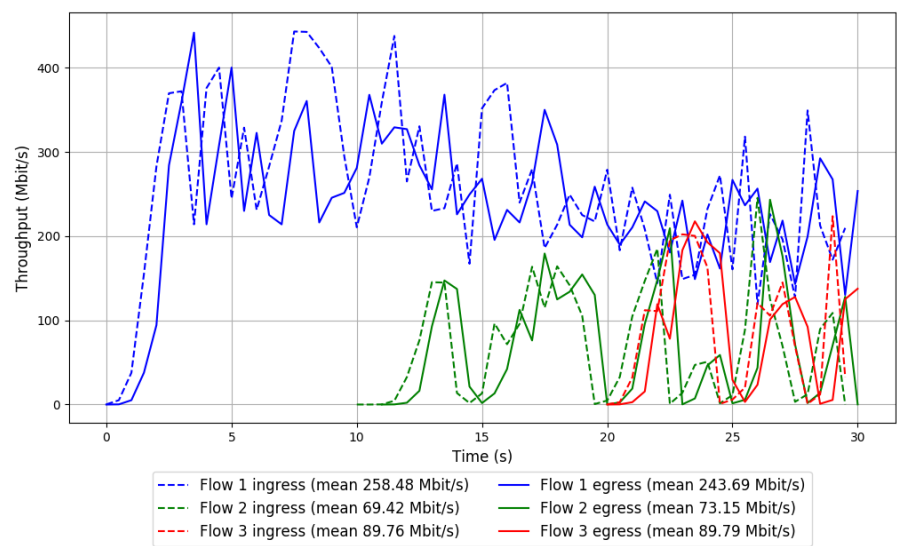


Run 8: Statistics of Verus

Start at: 2018-08-10 05:47:47  
End at: 2018-08-10 05:48:17  
Local clock offset: -0.25 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-08-10 10:08:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 318.50 Mbit/s  
95th percentile per-packet one-way delay: 246.842 ms  
Loss rate: 4.42%  
-- Flow 1:  
Average throughput: 243.69 Mbit/s  
95th percentile per-packet one-way delay: 252.924 ms  
Loss rate: 5.71%  
-- Flow 2:  
Average throughput: 73.15 Mbit/s  
95th percentile per-packet one-way delay: 122.135 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 89.79 Mbit/s  
95th percentile per-packet one-way delay: 157.886 ms  
Loss rate: 0.00%

Run 8: Report of Verus — Data Link



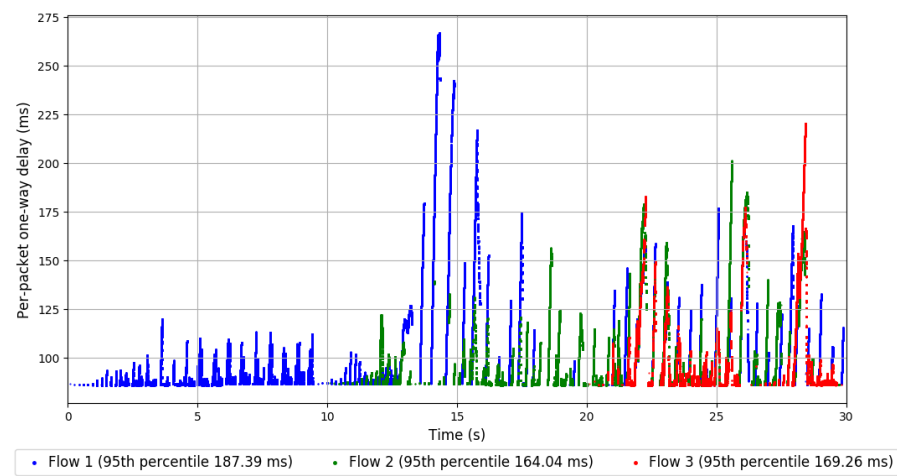
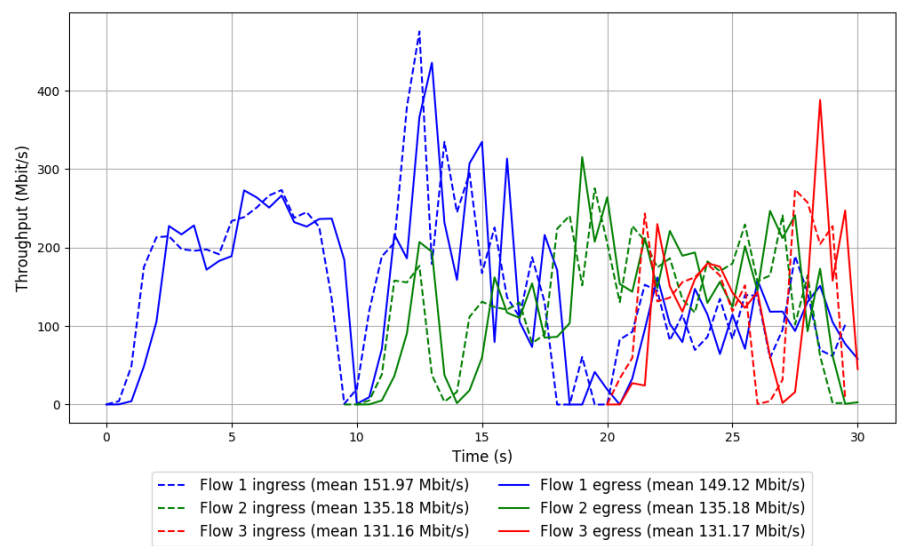
Run 9: Statistics of Verus

Start at: 2018-08-10 06:14:42  
End at: 2018-08-10 06:15:12  
Local clock offset: -0.03 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-08-10 10:08:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 280.95 Mbit/s  
95th percentile per-packet one-way delay: 172.294 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 149.12 Mbit/s  
95th percentile per-packet one-way delay: 187.387 ms  
Loss rate: 1.86%  
-- Flow 2:  
Average throughput: 135.18 Mbit/s  
95th percentile per-packet one-way delay: 164.042 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 131.17 Mbit/s  
95th percentile per-packet one-way delay: 169.261 ms  
Loss rate: 0.00%



Run 9: Report of Verus — Data Link

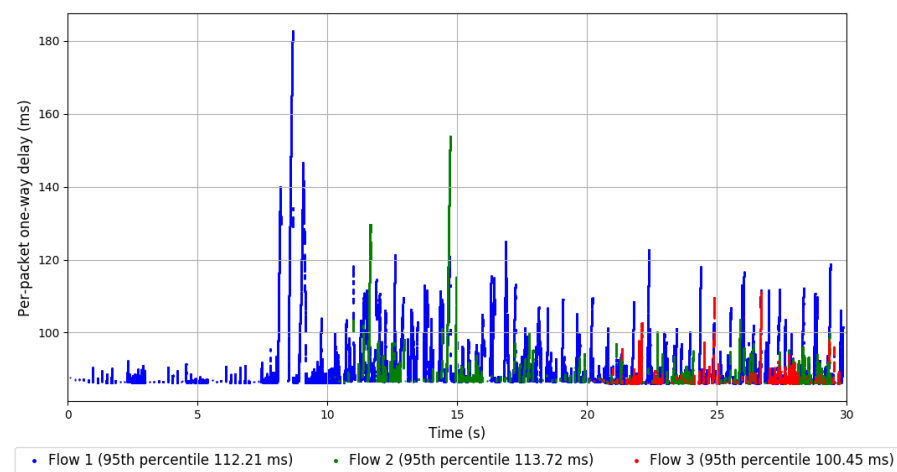
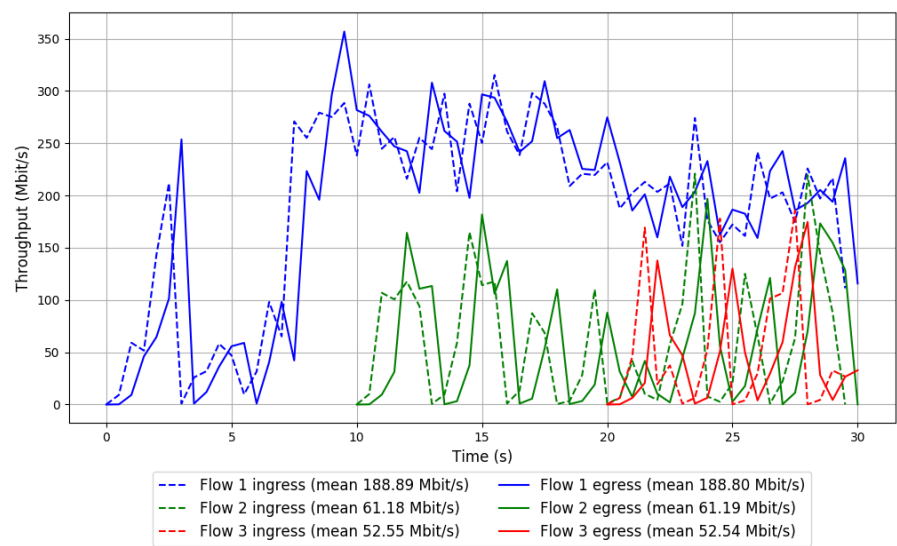


Run 10: Statistics of Verus

Start at: 2018-08-10 06:41:48  
End at: 2018-08-10 06:42:18  
Local clock offset: -0.44 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-08-10 10:08:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 246.17 Mbit/s  
95th percentile per-packet one-way delay: 111.279 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 188.80 Mbit/s  
95th percentile per-packet one-way delay: 112.213 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.19 Mbit/s  
95th percentile per-packet one-way delay: 113.722 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.54 Mbit/s  
95th percentile per-packet one-way delay: 100.449 ms  
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

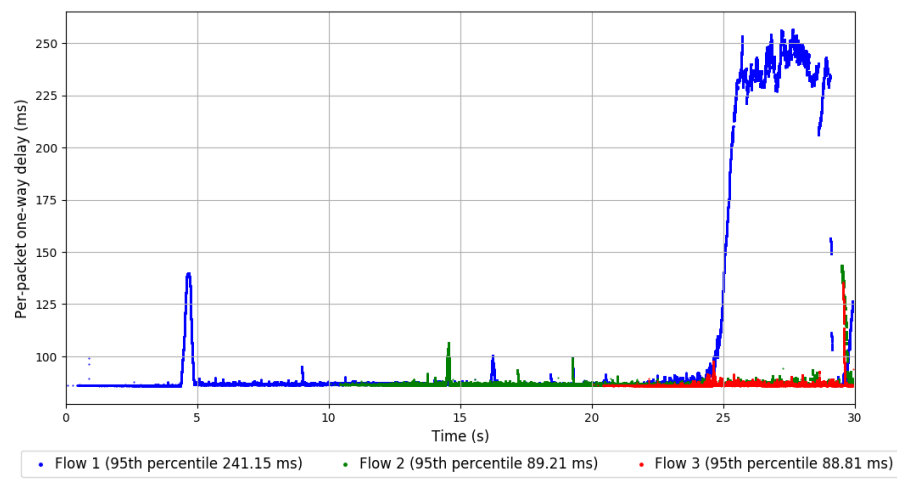
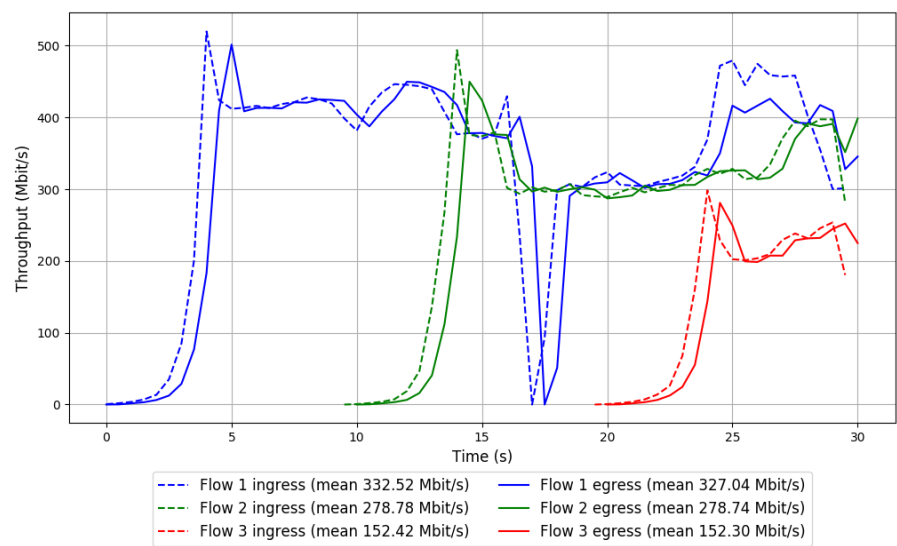


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 02:25:24  
End at: 2018-08-10 02:25:54  
Local clock offset: -0.153 ms  
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-08-10 10:13:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 562.81 Mbit/s  
95th percentile per-packet one-way delay: 235.024 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 327.04 Mbit/s  
95th percentile per-packet one-way delay: 241.146 ms  
Loss rate: 1.65%  
-- Flow 2:  
Average throughput: 278.74 Mbit/s  
95th percentile per-packet one-way delay: 89.213 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 152.30 Mbit/s  
95th percentile per-packet one-way delay: 88.814 ms  
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

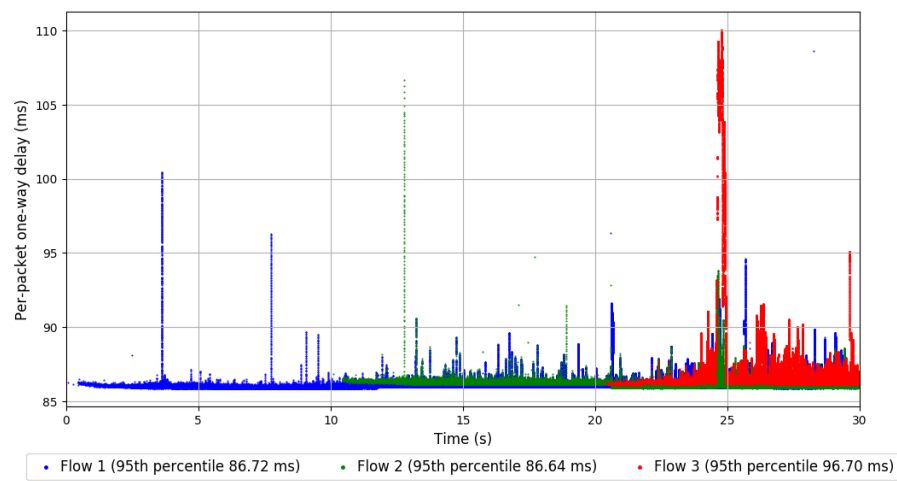
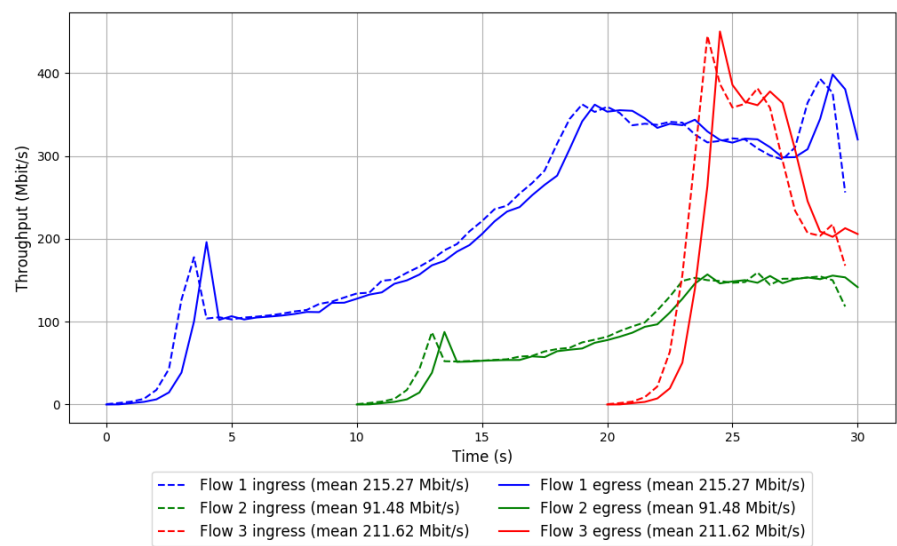


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 02:52:37  
End at: 2018-08-10 02:53:07  
Local clock offset: -0.167 ms  
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-08-10 10:13:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 345.91 Mbit/s  
95th percentile per-packet one-way delay: 87.450 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 215.27 Mbit/s  
95th percentile per-packet one-way delay: 86.717 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 91.48 Mbit/s  
95th percentile per-packet one-way delay: 86.645 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 211.62 Mbit/s  
95th percentile per-packet one-way delay: 96.701 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 03:19:37

End at: 2018-08-10 03:20:07

Local clock offset: -0.024 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-08-10 10:13:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 500.75 Mbit/s

95th percentile per-packet one-way delay: 88.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 333.18 Mbit/s

95th percentile per-packet one-way delay: 88.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 179.03 Mbit/s

95th percentile per-packet one-way delay: 87.195 ms

Loss rate: 0.00%

-- Flow 3:

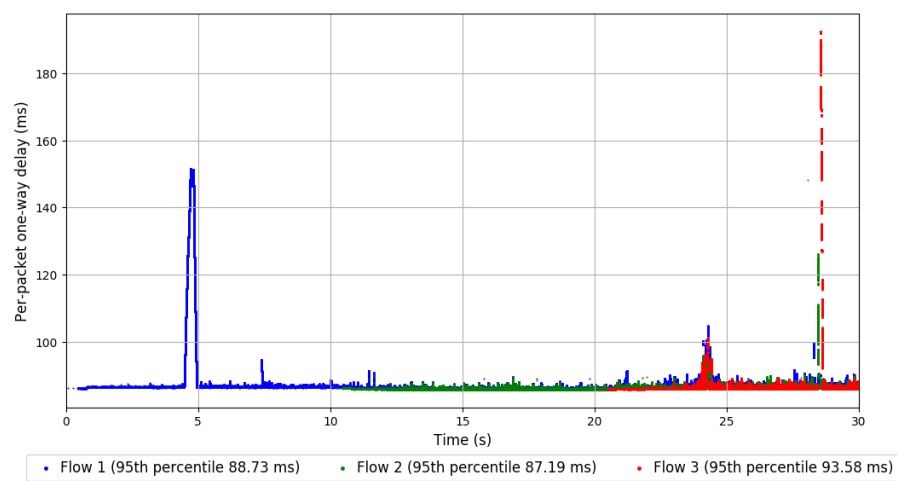
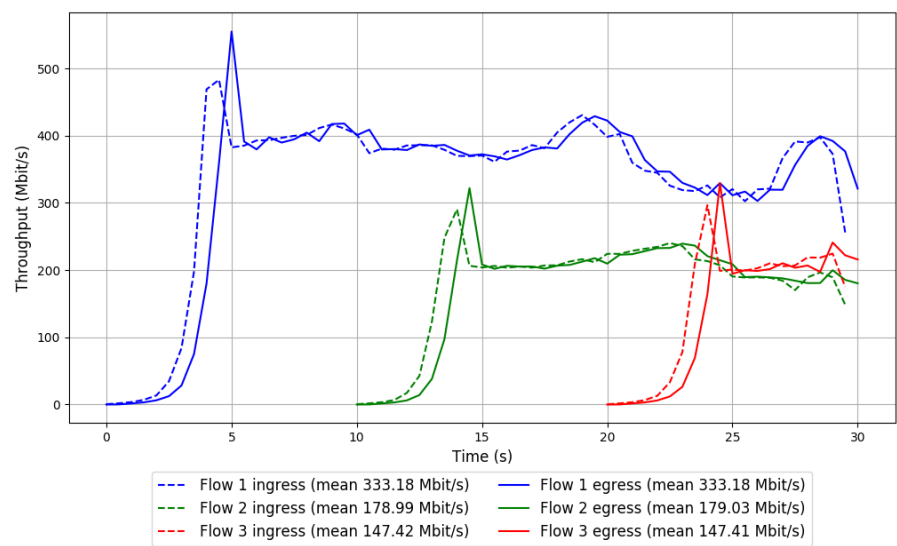
Average throughput: 147.41 Mbit/s

95th percentile per-packet one-way delay: 93.584 ms

Loss rate: 0.00%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 03:46:52

End at: 2018-08-10 03:47:22

Local clock offset: 0.01 ms

Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-08-10 10:16:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 577.11 Mbit/s

95th percentile per-packet one-way delay: 148.813 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 320.16 Mbit/s

95th percentile per-packet one-way delay: 202.257 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 308.96 Mbit/s

95th percentile per-packet one-way delay: 141.518 ms

Loss rate: 0.00%

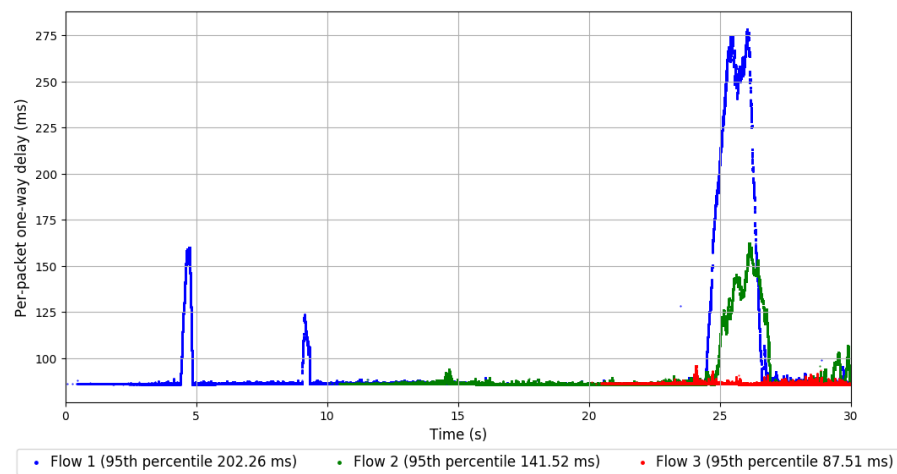
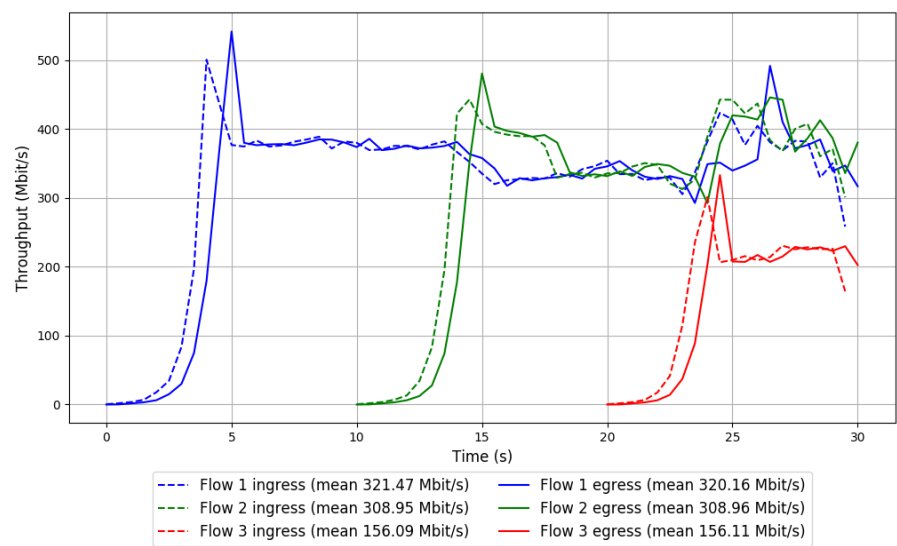
-- Flow 3:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 87.507 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 04:14:21

End at: 2018-08-10 04:14:51

Local clock offset: -0.106 ms

Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-08-10 10:17:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 507.22 Mbit/s

95th percentile per-packet one-way delay: 87.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 339.99 Mbit/s

95th percentile per-packet one-way delay: 87.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.68 Mbit/s

95th percentile per-packet one-way delay: 86.673 ms

Loss rate: 0.00%

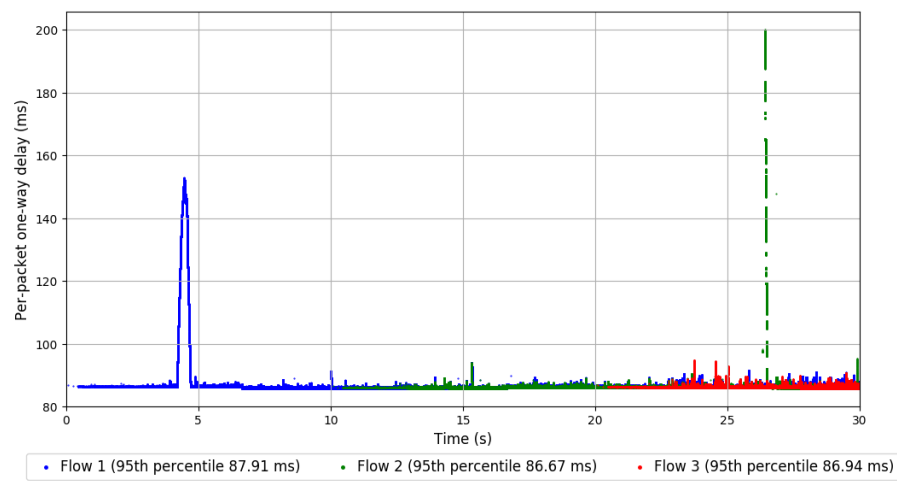
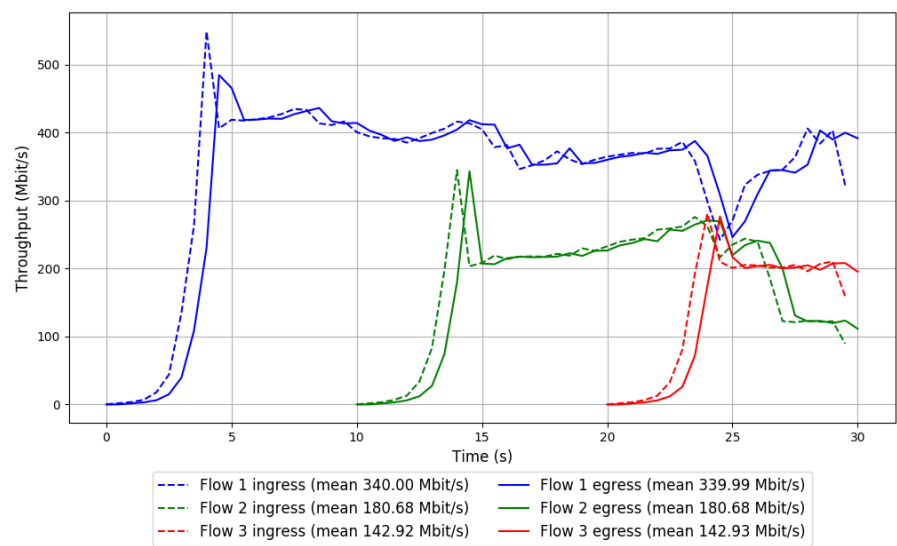
-- Flow 3:

Average throughput: 142.93 Mbit/s

95th percentile per-packet one-way delay: 86.940 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

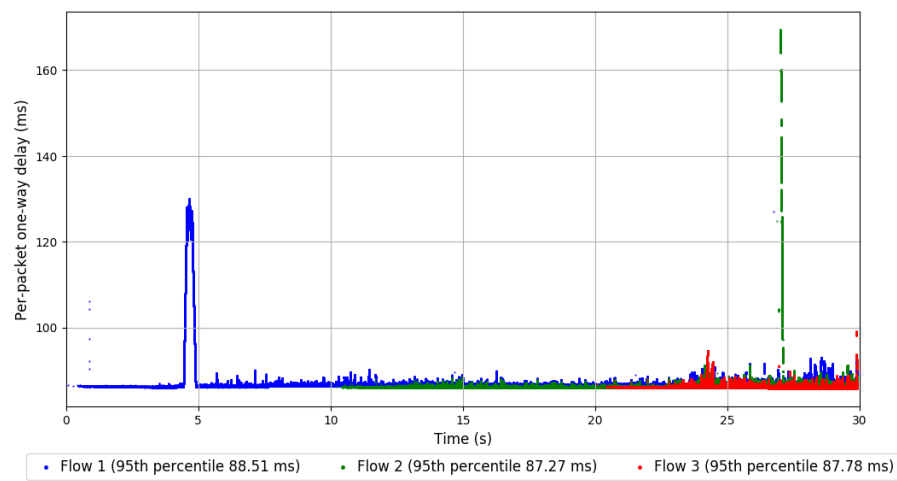
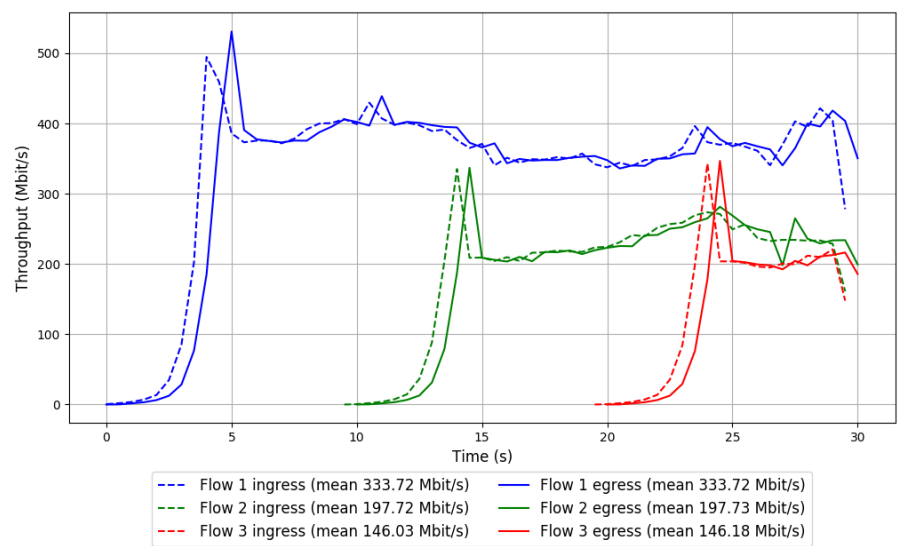


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 04:41:31  
End at: 2018-08-10 04:42:01  
Local clock offset: -0.105 ms  
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-08-10 10:17:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 513.65 Mbit/s  
95th percentile per-packet one-way delay: 88.031 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 333.72 Mbit/s  
95th percentile per-packet one-way delay: 88.507 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 197.73 Mbit/s  
95th percentile per-packet one-way delay: 87.267 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 146.18 Mbit/s  
95th percentile per-packet one-way delay: 87.781 ms  
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



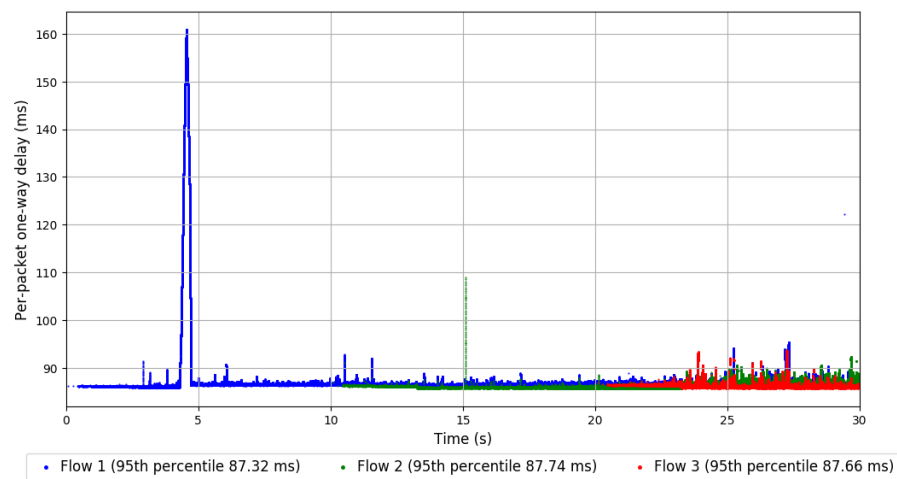
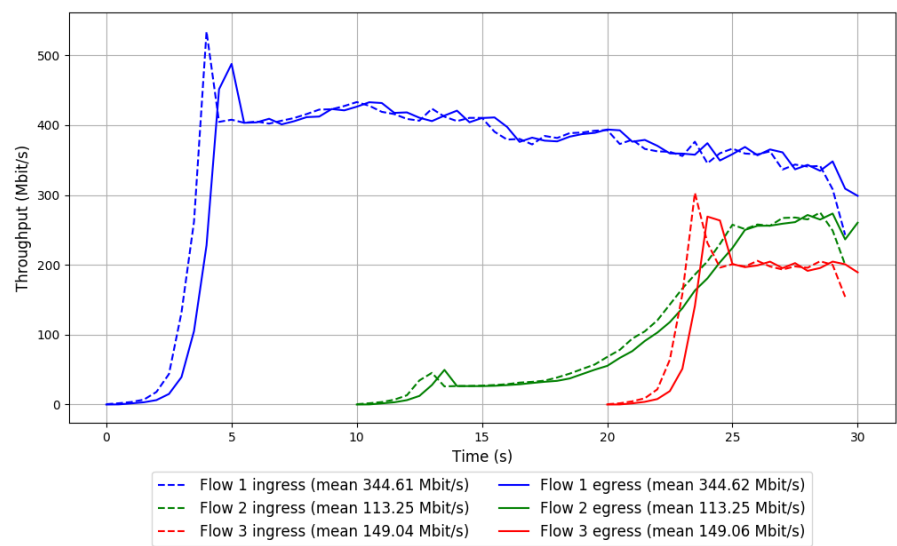
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 05:08:34  
End at: 2018-08-10 05:09:04  
Local clock offset: -0.143 ms  
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-08-10 10:17:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 469.10 Mbit/s  
95th percentile per-packet one-way delay: 87.497 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 344.62 Mbit/s  
95th percentile per-packet one-way delay: 87.318 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 113.25 Mbit/s  
95th percentile per-packet one-way delay: 87.743 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 149.06 Mbit/s  
95th percentile per-packet one-way delay: 87.660 ms  
Loss rate: 0.00%



Run 7: Report of PCC-Vivace — Data Link

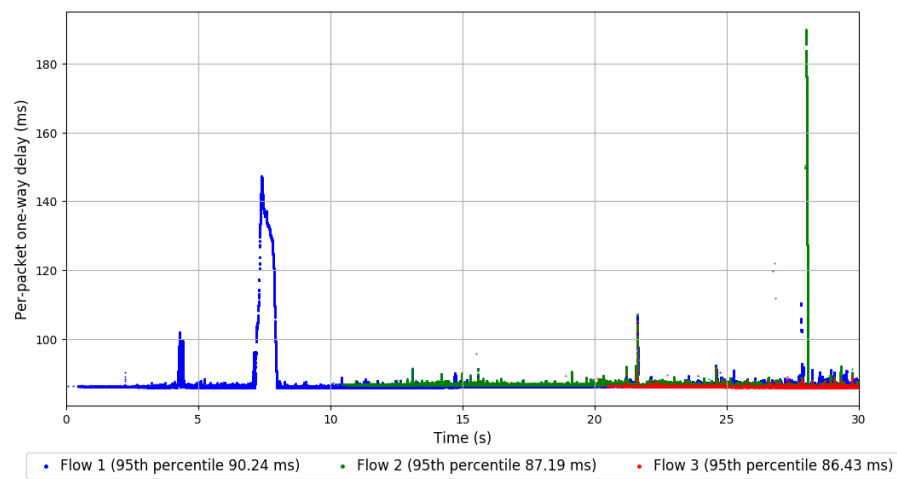
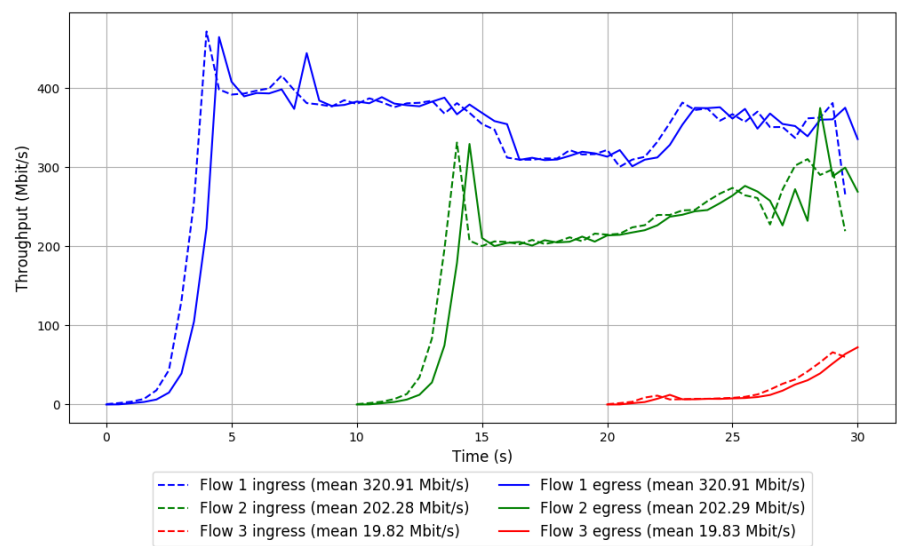


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 05:35:54  
End at: 2018-08-10 05:36:24  
Local clock offset: -0.314 ms  
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-08-10 10:17:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 461.99 Mbit/s  
95th percentile per-packet one-way delay: 88.509 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 320.91 Mbit/s  
95th percentile per-packet one-way delay: 90.242 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 202.29 Mbit/s  
95th percentile per-packet one-way delay: 87.191 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 19.83 Mbit/s  
95th percentile per-packet one-way delay: 86.429 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

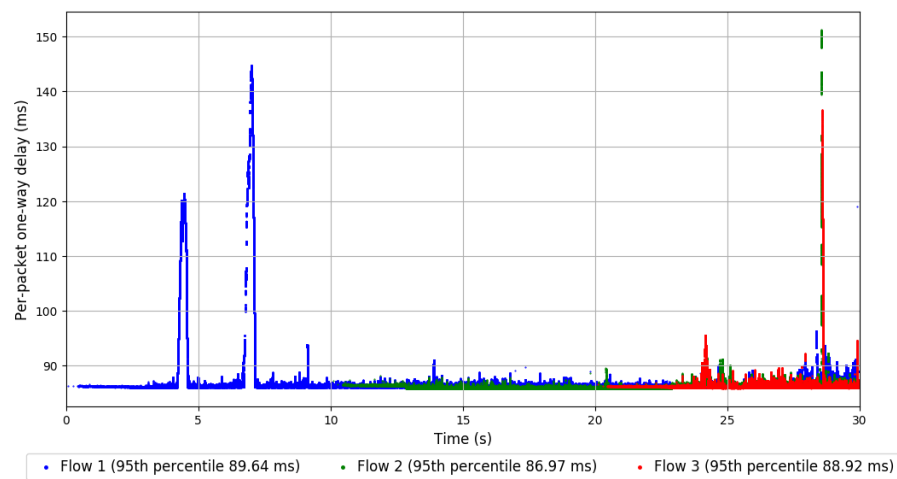
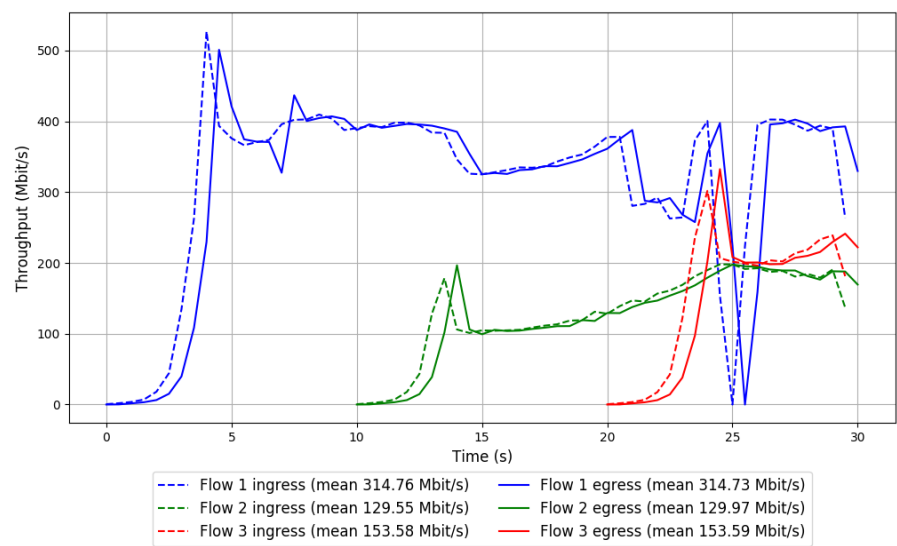


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 06:02:55  
End at: 2018-08-10 06:03:25  
Local clock offset: -0.096 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-08-10 10:17:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 451.65 Mbit/s  
95th percentile per-packet one-way delay: 88.520 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 314.73 Mbit/s  
95th percentile per-packet one-way delay: 89.644 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 129.97 Mbit/s  
95th percentile per-packet one-way delay: 86.966 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 153.59 Mbit/s  
95th percentile per-packet one-way delay: 88.925 ms  
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

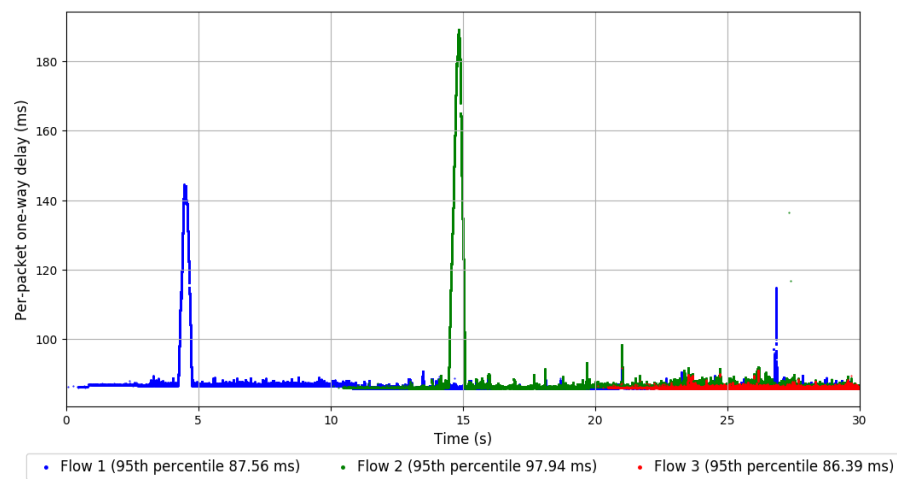
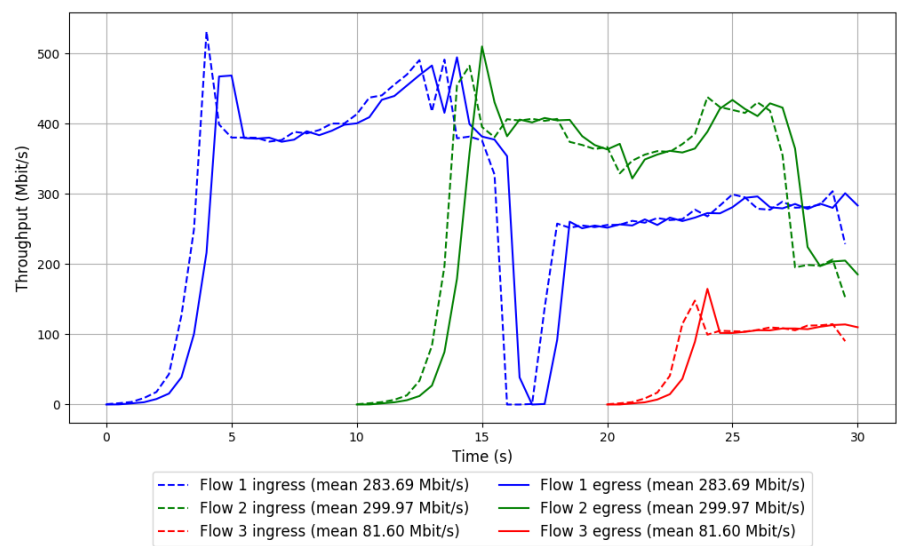


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 06:29:58  
End at: 2018-08-10 06:30:28  
Local clock offset: -0.107 ms  
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 510.05 Mbit/s  
95th percentile per-packet one-way delay: 88.601 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 283.69 Mbit/s  
95th percentile per-packet one-way delay: 87.559 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 299.97 Mbit/s  
95th percentile per-packet one-way delay: 97.941 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 81.60 Mbit/s  
95th percentile per-packet one-way delay: 86.388 ms  
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



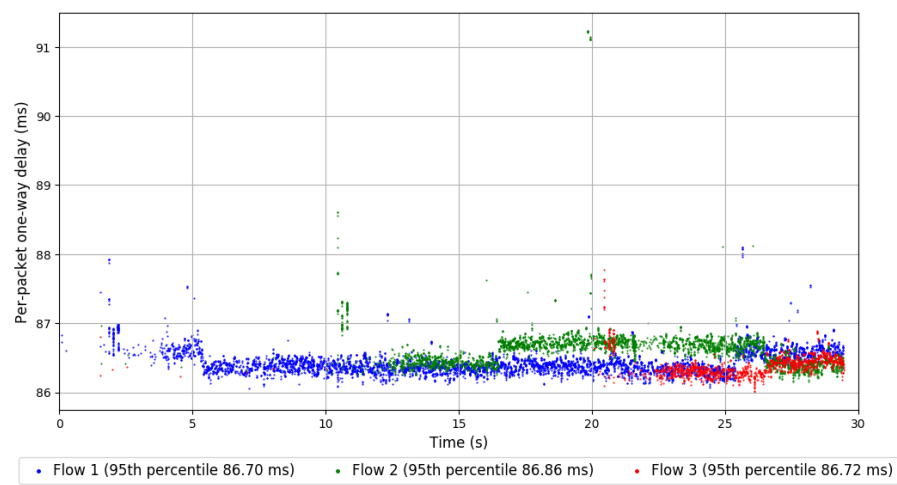
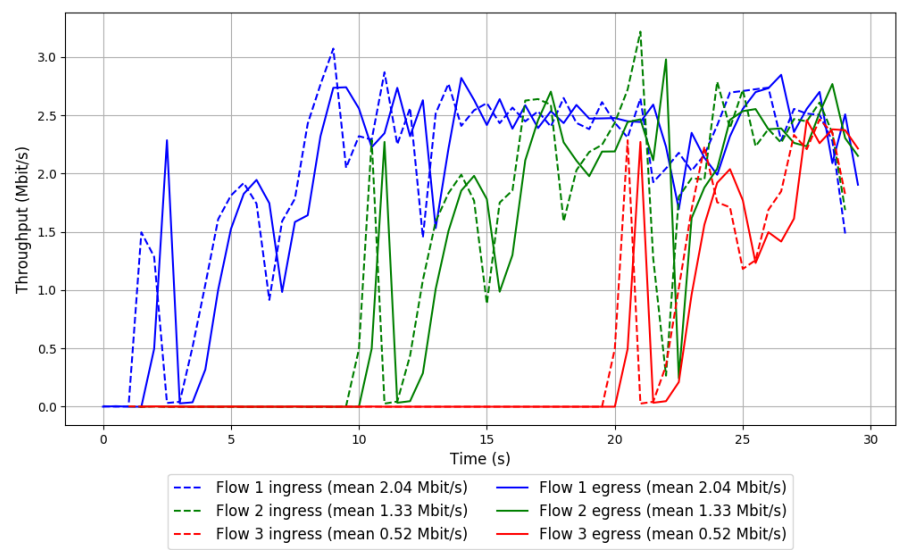
Run 1: Statistics of WebRTC media

Start at: 2018-08-10 02:20:11  
End at: 2018-08-10 02:20:41  
Local clock offset: -0.149 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.79 Mbit/s  
95th percentile per-packet one-way delay: 86.803 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 86.696 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.33 Mbit/s  
95th percentile per-packet one-way delay: 86.863 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.52 Mbit/s  
95th percentile per-packet one-way delay: 86.717 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-10 02:47:27

End at: 2018-08-10 02:47:57

Local clock offset: -0.07 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-08-10 10:17:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 86.922 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.539 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 86.524 ms

Loss rate: 0.03%

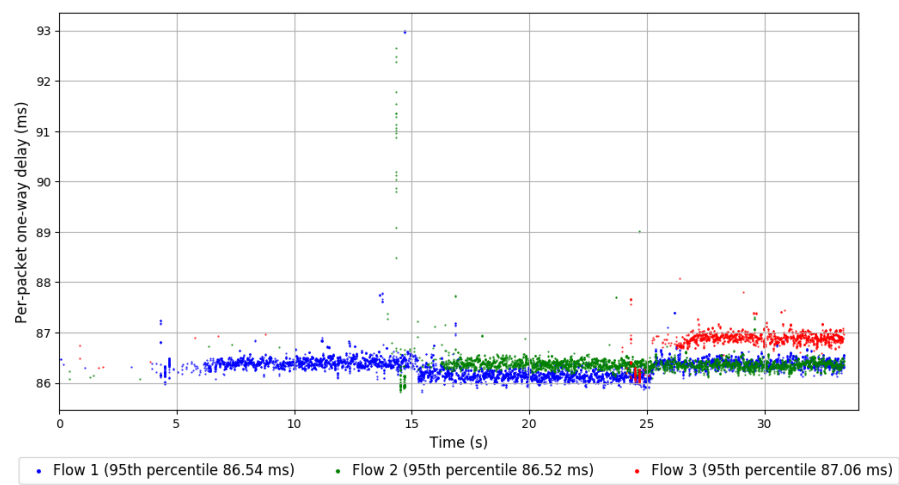
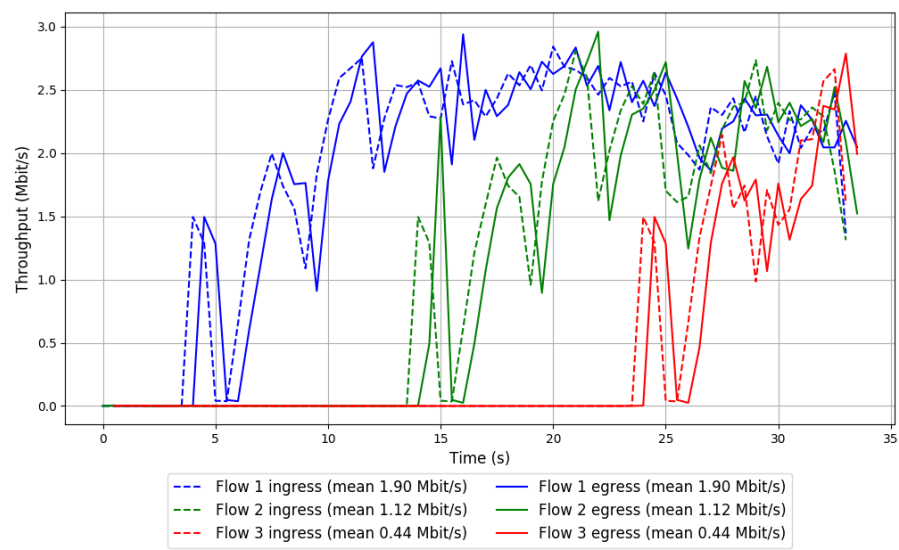
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.062 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

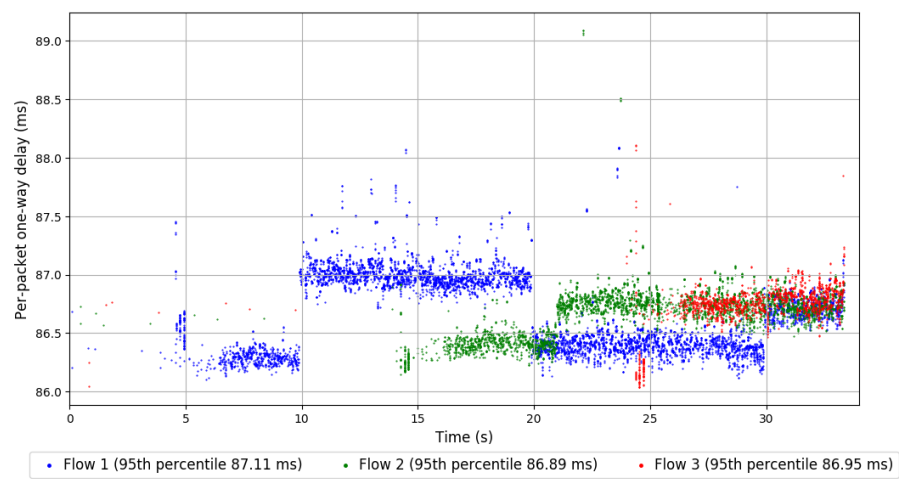
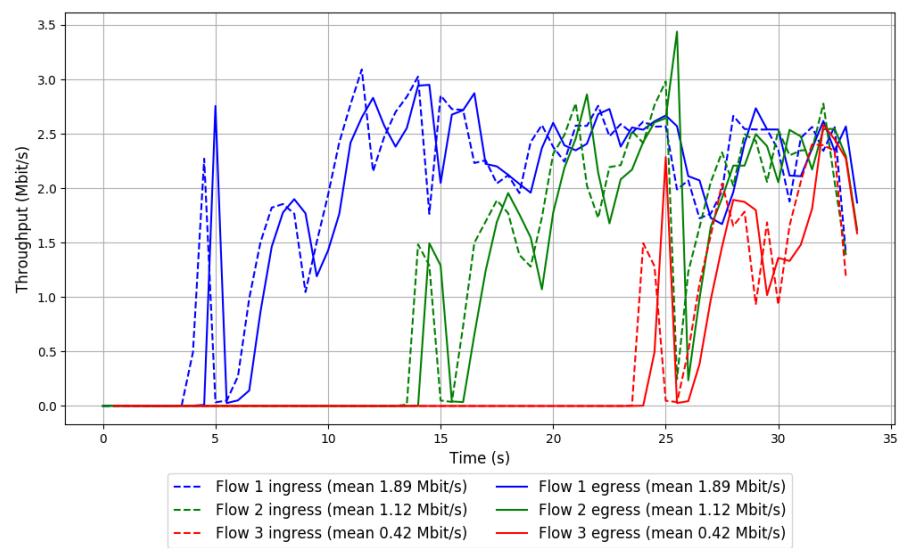


Run 3: Statistics of WebRTC media

Start at: 2018-08-10 03:14:31  
End at: 2018-08-10 03:15:01  
Local clock offset: -0.126 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.41 Mbit/s  
95th percentile per-packet one-way delay: 87.060 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 87.111 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.12 Mbit/s  
95th percentile per-packet one-way delay: 86.894 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 86.955 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-10 03:41:36

End at: 2018-08-10 03:42:06

Local clock offset: -0.108 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-08-10 10:17:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 86.793 ms

Loss rate: 0.00%

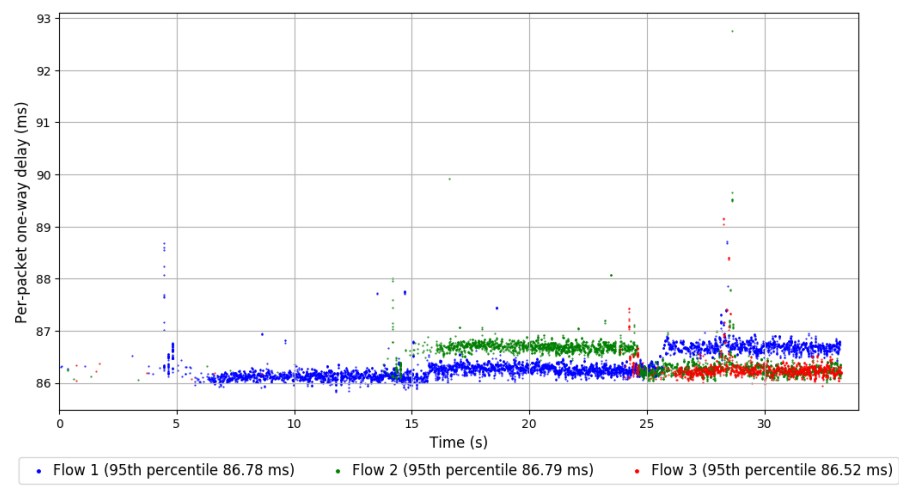
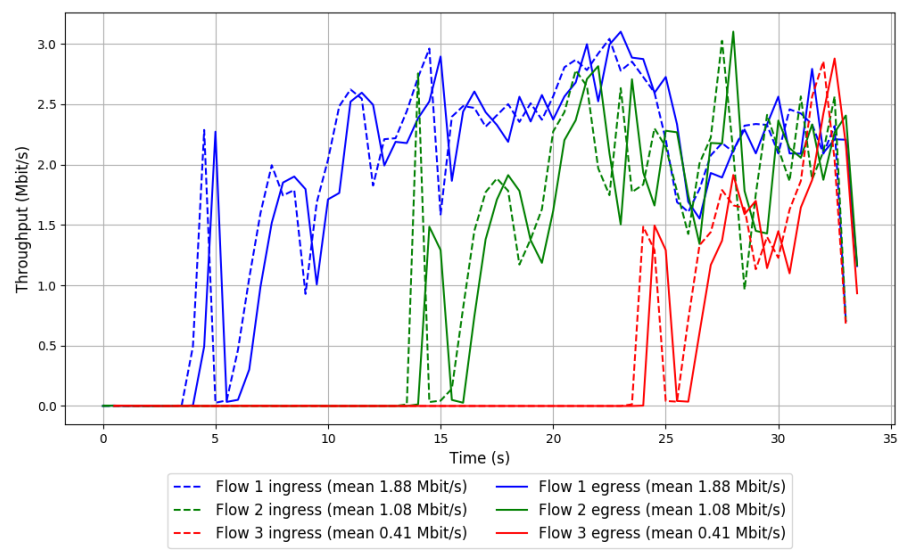
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 86.519 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



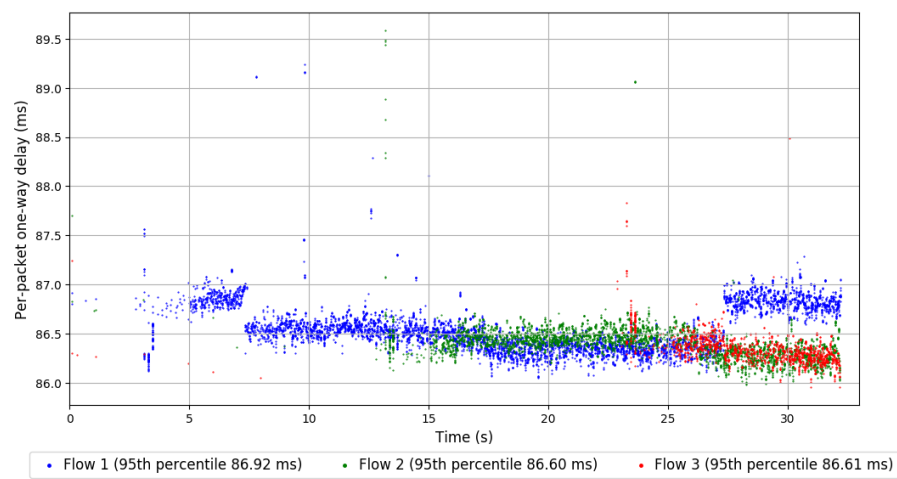
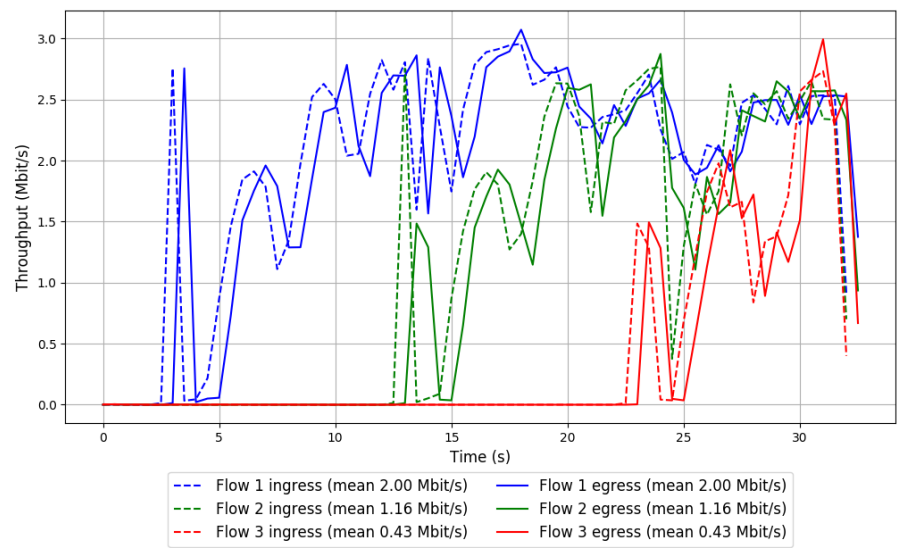
Run 5: Statistics of WebRTC media

Start at: 2018-08-10 04:09:13  
End at: 2018-08-10 04:09:43  
Local clock offset: -0.214 ms  
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.58 Mbit/s  
95th percentile per-packet one-way delay: 86.879 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 86.925 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.16 Mbit/s  
95th percentile per-packet one-way delay: 86.600 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.606 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

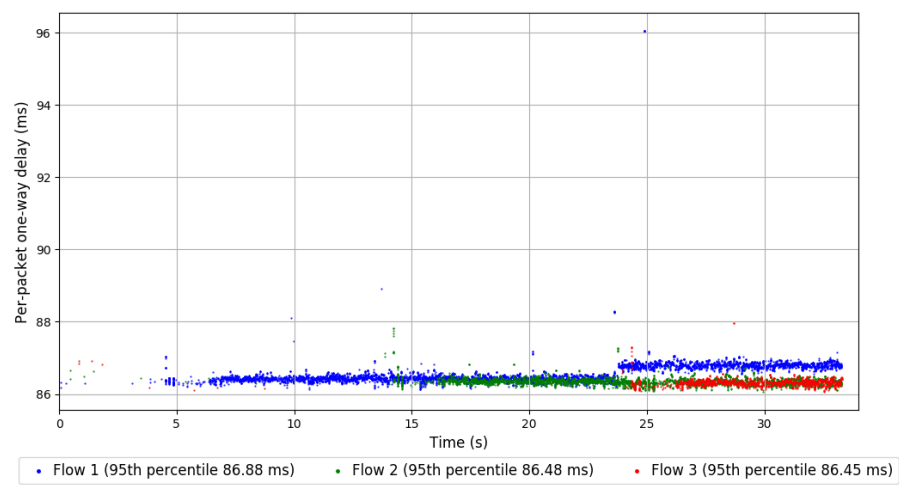
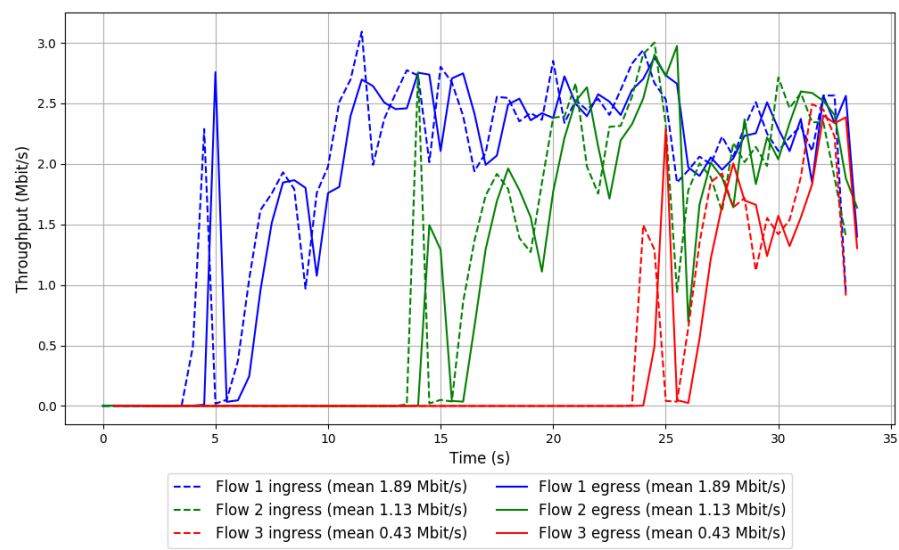


Run 6: Statistics of WebRTC media

Start at: 2018-08-10 04:36:18  
End at: 2018-08-10 04:36:48  
Local clock offset: -0.273 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.42 Mbit/s  
95th percentile per-packet one-way delay: 86.851 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 86.882 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 86.477 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.448 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

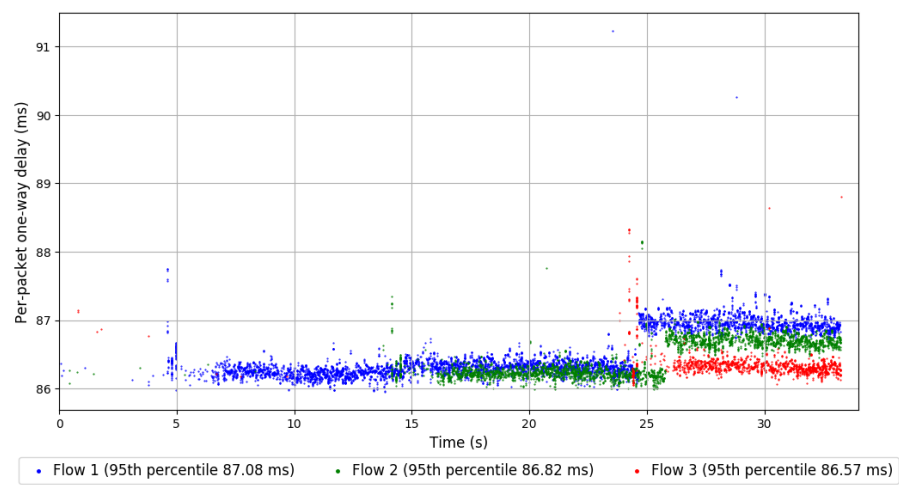
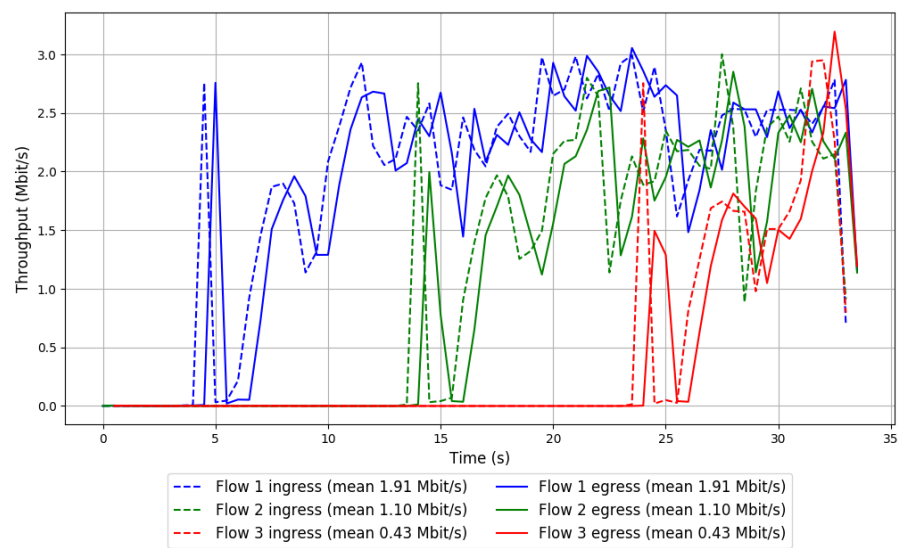


Run 7: Statistics of WebRTC media

Start at: 2018-08-10 05:03:26  
End at: 2018-08-10 05:03:56  
Local clock offset: -0.233 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.41 Mbit/s  
95th percentile per-packet one-way delay: 87.023 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.91 Mbit/s  
95th percentile per-packet one-way delay: 87.079 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.10 Mbit/s  
95th percentile per-packet one-way delay: 86.822 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.570 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

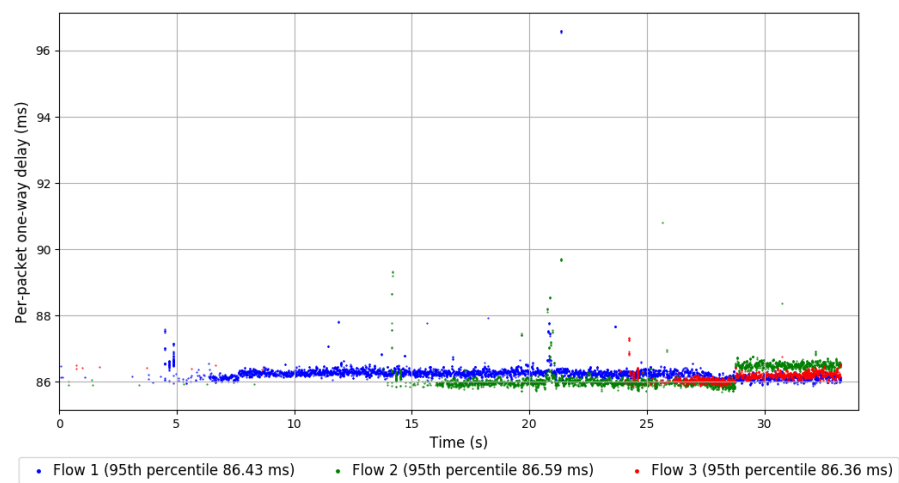
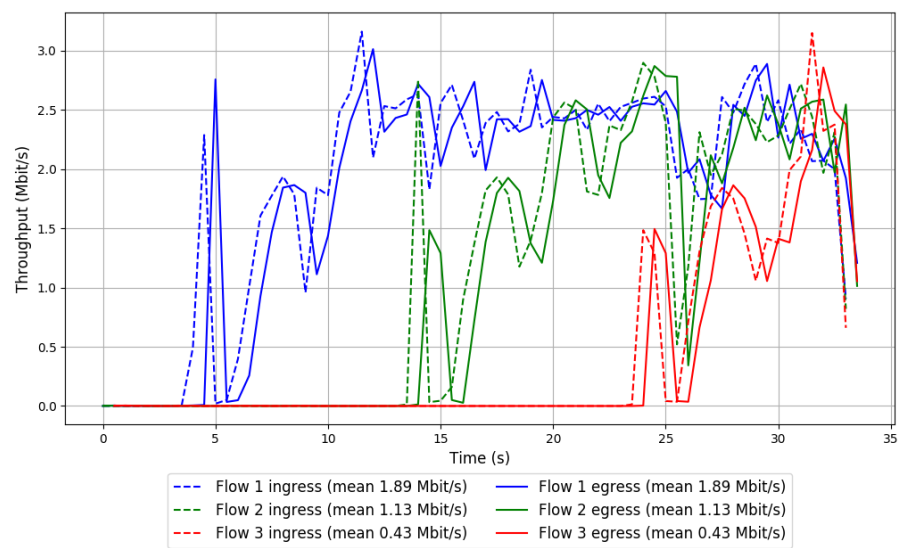


Run 8: Statistics of WebRTC media

Start at: 2018-08-10 05:30:43  
End at: 2018-08-10 05:31:13  
Local clock offset: 0.034 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 86.530 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 86.432 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 86.588 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.361 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-10 05:57:57

End at: 2018-08-10 05:58:27

Local clock offset: -0.072 ms

Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-08-10 10:17:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 86.797 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 86.830 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 86.606 ms

Loss rate: 0.00%

-- Flow 3:

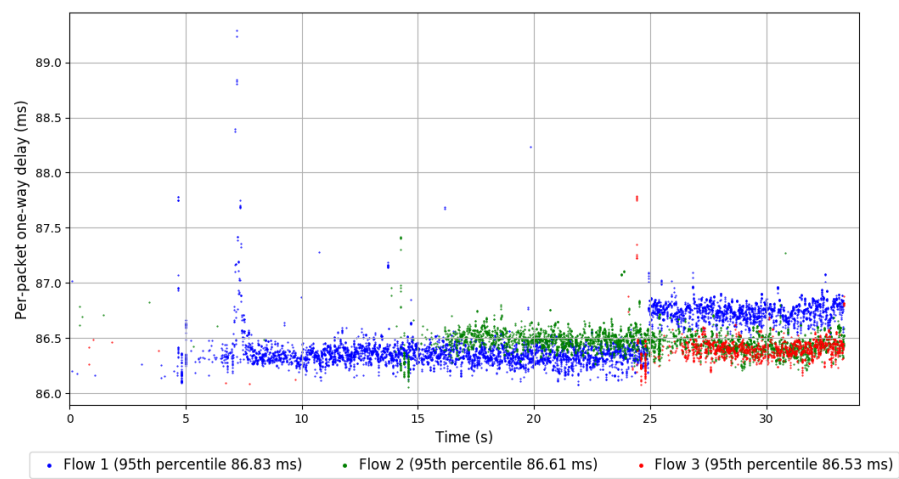
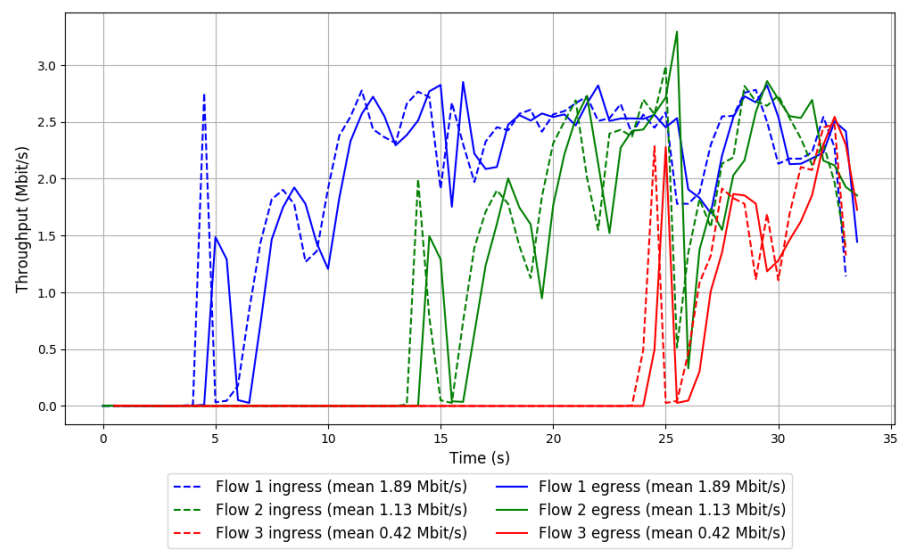
Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 86.530 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 06:24:48  
End at: 2018-08-10 06:25:18  
Local clock offset: -0.08 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-08-10 10:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.49 Mbit/s  
95th percentile per-packet one-way delay: 87.270 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 87.235 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 87.671 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 86.716 ms  
Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link

