

Pantheon Report

Generated at 2018-05-24 17:44:43 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

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

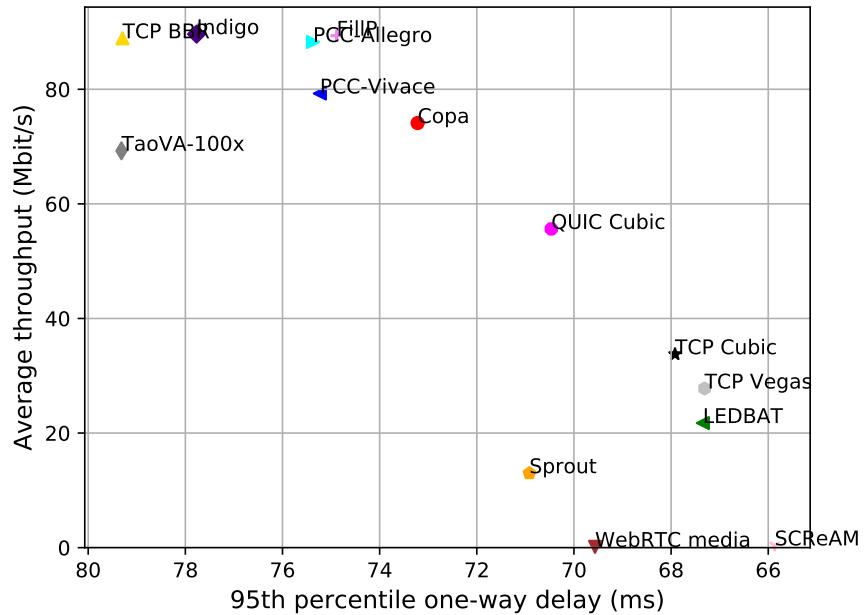
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

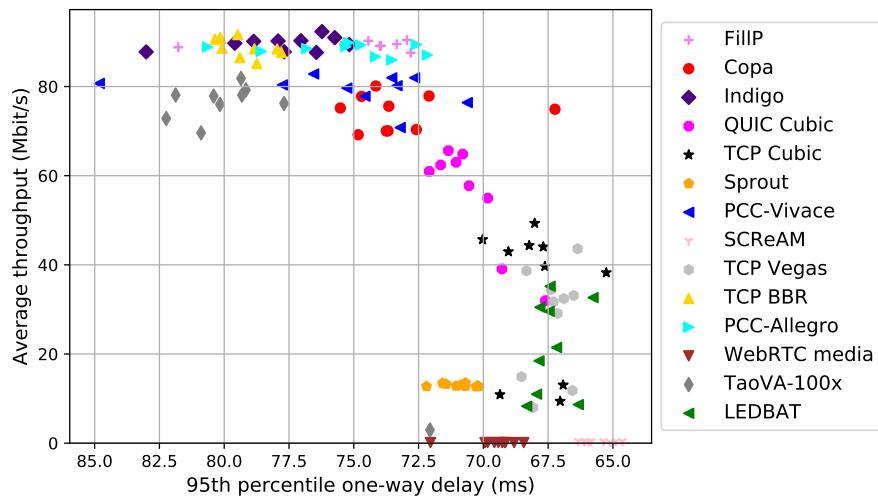
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS Korea to China, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



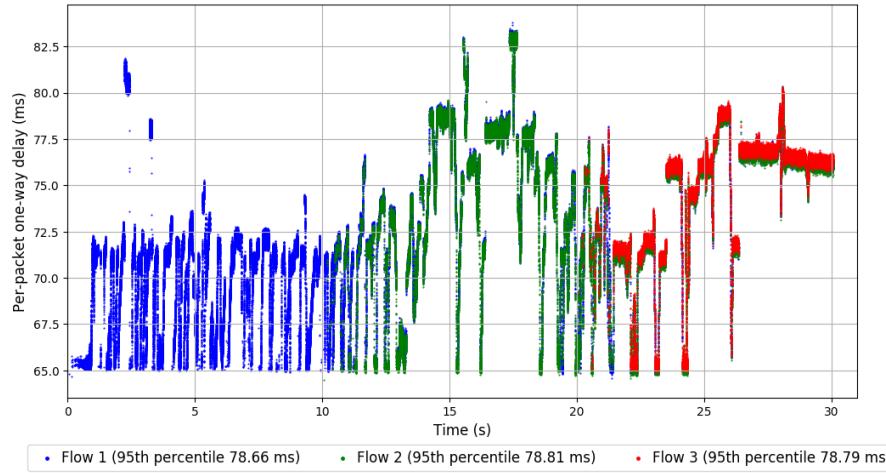
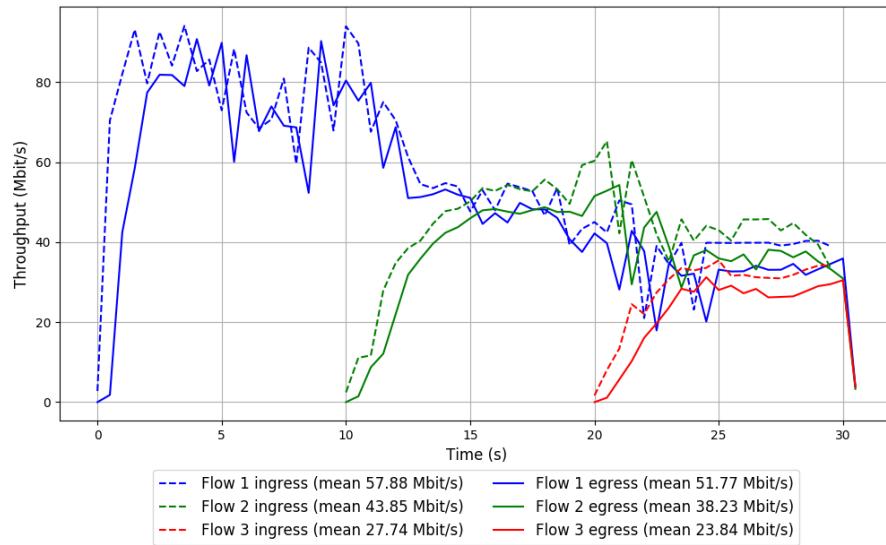
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.33	37.17	21.38	78.85	79.78	80.00	10.14	12.94	15.27
Copa	10	55.40	20.16	15.89	73.13	73.64	74.00	2.18	1.70	1.47
TCP Cubic	10	17.83	16.54	14.78	67.58	67.97	68.56	0.44	0.61	1.05
FillP	9	55.51	37.83	26.28	74.31	75.14	78.05	16.80	18.76	22.26
Indigo	10	55.07	34.71	36.11	76.41	78.00	79.08	22.16	45.65	60.10
LEDBAT	9	11.60	11.56	7.41	67.34	67.28	67.33	0.28	0.25	0.25
PCC-Allegro	10	83.12	4.75	5.95	75.33	75.68	76.19	1.44	1.95	2.57
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	9	32.95	22.87	22.79	70.35	69.72	71.04	1.59	0.49	0.56
SCReAM	10	0.18	0.19	0.22	65.80	65.76	65.76	0.12	0.09	0.00
Sprout	10	6.75	6.50	5.82	70.83	70.96	71.05	2.50	2.84	3.48
TaoVA-100x	10	61.60	7.11	8.82	79.18	78.85	79.05	4.85	9.75	10.26
TCP Vegas	10	13.63	14.57	13.35	67.29	67.17	67.84	0.47	0.45	1.02
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	66.00	16.43	7.07	75.15	75.63	76.20	0.40	0.54	0.85
WebRTC media	10	0.05	0.04	0.05	68.40	69.94	69.86	0.00	0.00	0.04

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-24 14:04:08
End at: 2018-05-24 14:04:38
Local clock offset: 1.733 ms
Remote clock offset: 67.542 ms

# Below is generated by plot.py at 2018-05-24 17:31:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 78.739 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 78.656 ms
Loss rate: 10.52%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 78.809 ms
Loss rate: 12.77%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 78.789 ms
Loss rate: 14.00%
```

Run 1: Report of TCP BBR — Data Link

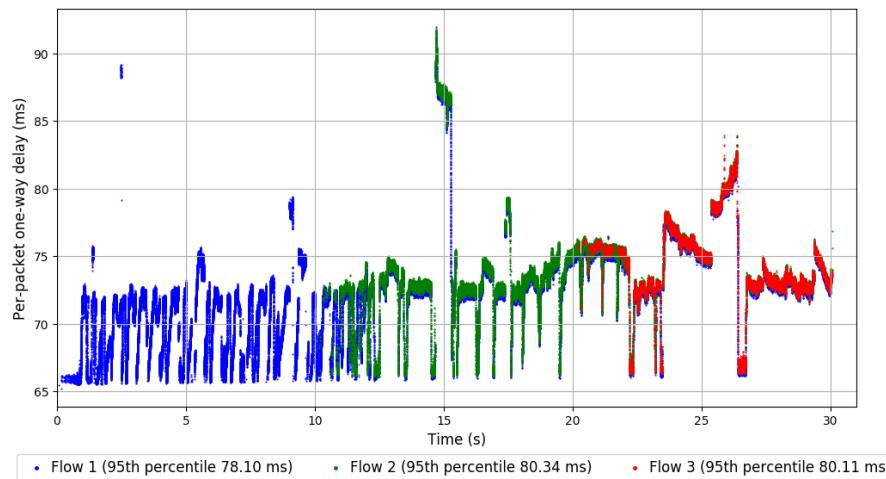
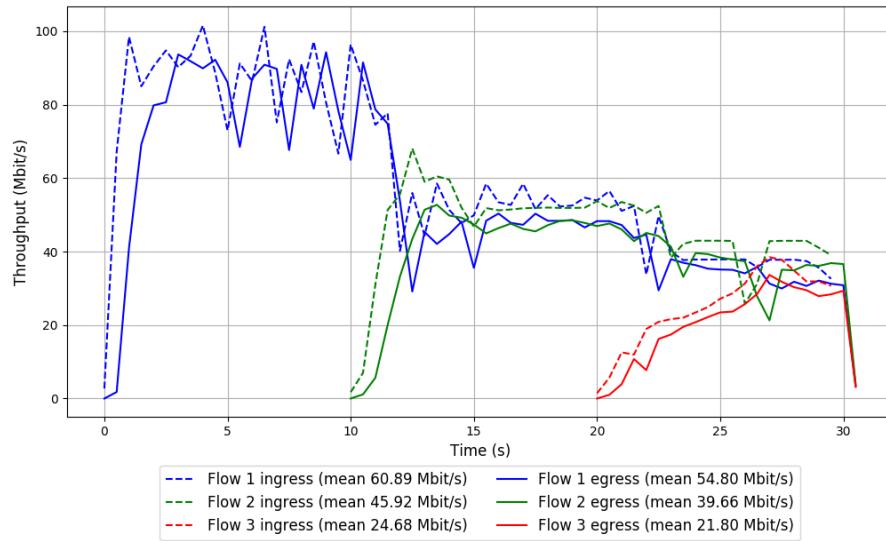


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-24 14:25:32
End at: 2018-05-24 14:26:02
Local clock offset: 0.661 ms
Remote clock offset: 38.846 ms

# Below is generated by plot.py at 2018-05-24 17:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 78.834 ms
Loss rate: 11.22%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 78.097 ms
Loss rate: 9.98%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 80.339 ms
Loss rate: 13.58%
-- Flow 3:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 80.113 ms
Loss rate: 11.65%
```

Run 2: Report of TCP BBR — Data Link

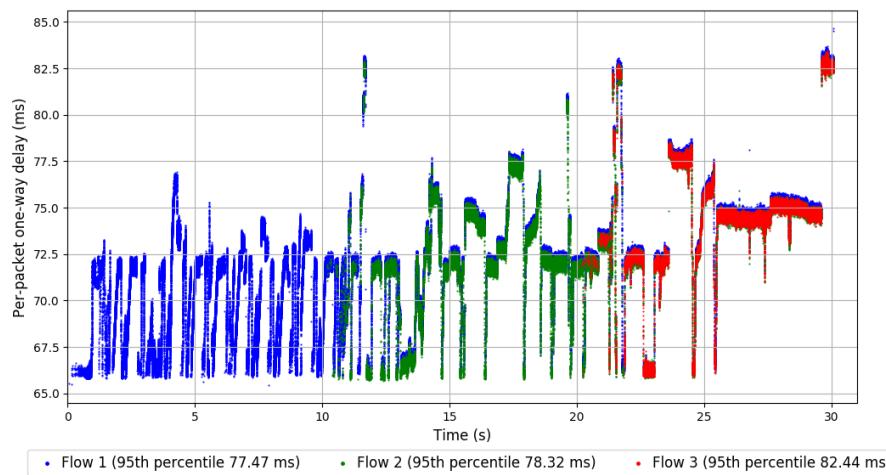
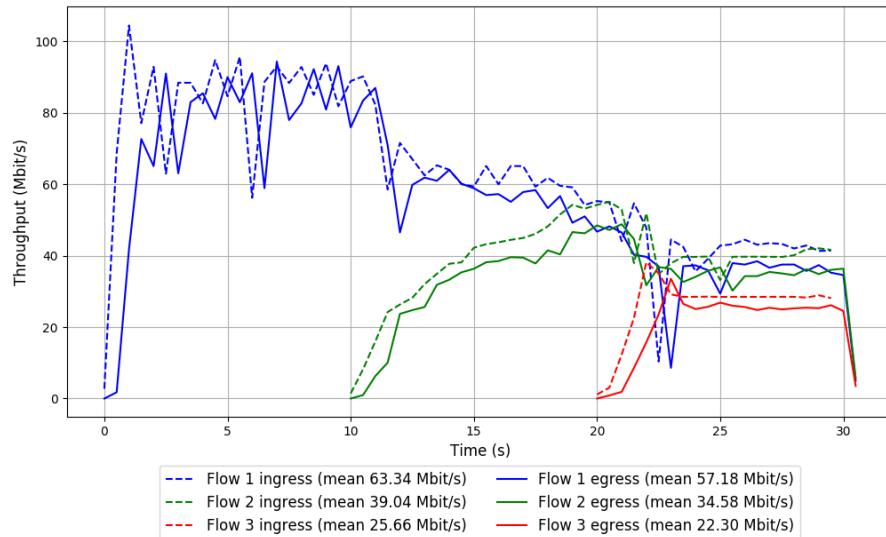


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-24 14:46:57
End at: 2018-05-24 14:47:27
Local clock offset: 4.841 ms
Remote clock offset: 27.926 ms

# Below is generated by plot.py at 2018-05-24 17:31:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 77.794 ms
Loss rate: 10.42%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 77.465 ms
Loss rate: 9.68%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 78.316 ms
Loss rate: 11.38%
-- Flow 3:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 82.438 ms
Loss rate: 12.99%
```

Run 3: Report of TCP BBR — Data Link

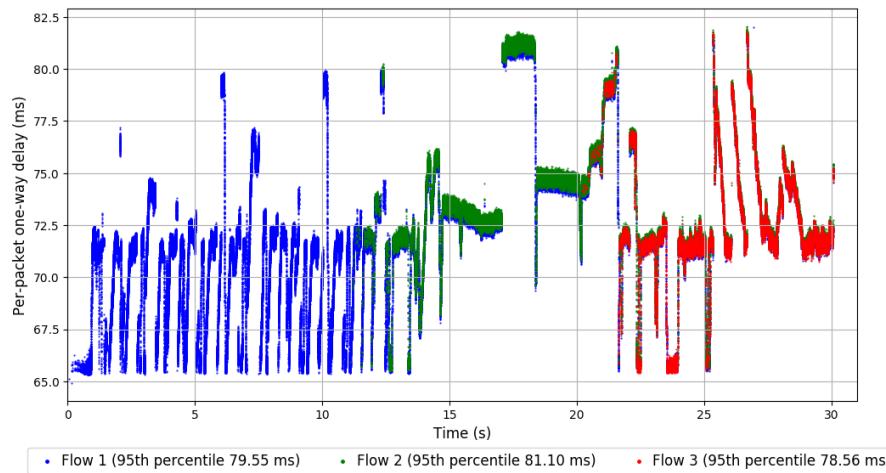
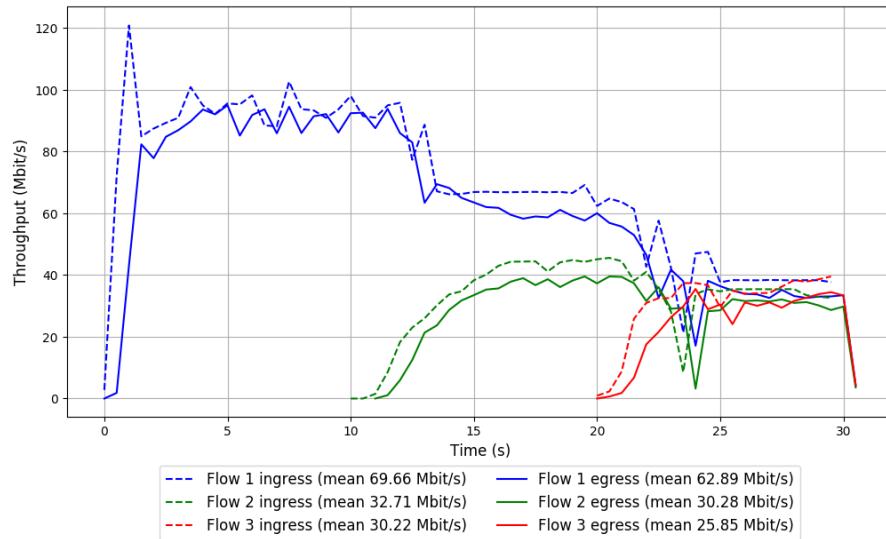


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-24 15:08:47
End at: 2018-05-24 15:09:17
Local clock offset: 3.246 ms
Remote clock offset: 18.522 ms

# Below is generated by plot.py at 2018-05-24 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 80.357 ms
Loss rate: 10.68%
-- Flow 1:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 79.549 ms
Loss rate: 9.69%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 81.099 ms
Loss rate: 12.09%
-- Flow 3:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 78.556 ms
Loss rate: 14.47%
```

Run 4: Report of TCP BBR — Data Link

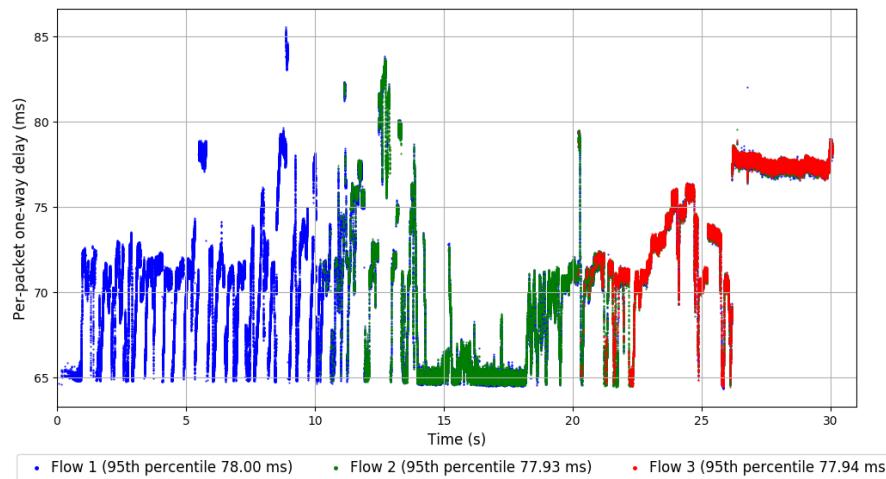
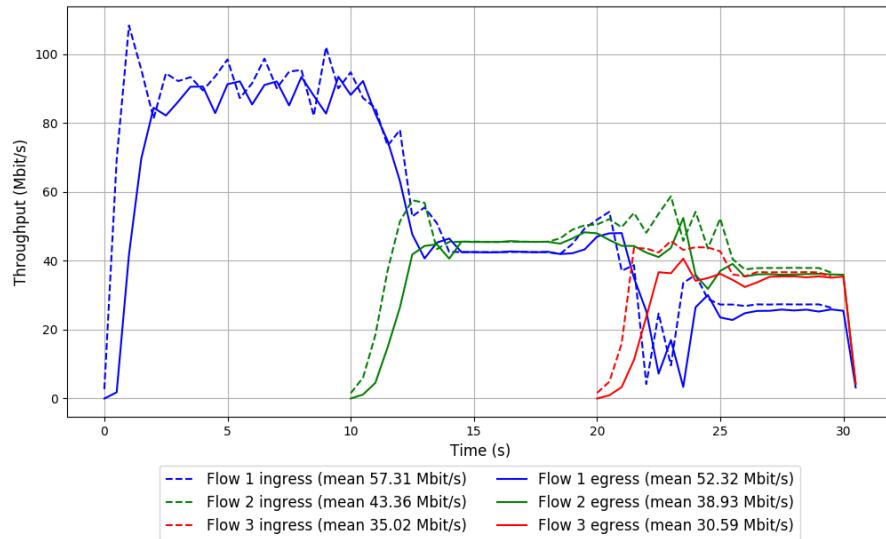


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-24 15:30:16
End at: 2018-05-24 15:30:46
Local clock offset: 2.624 ms
Remote clock offset: 38.021 ms

# Below is generated by plot.py at 2018-05-24 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 77.958 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 77.996 ms
Loss rate: 8.65%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 77.930 ms
Loss rate: 10.15%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 77.945 ms
Loss rate: 12.59%
```

Run 5: Report of TCP BBR — Data Link

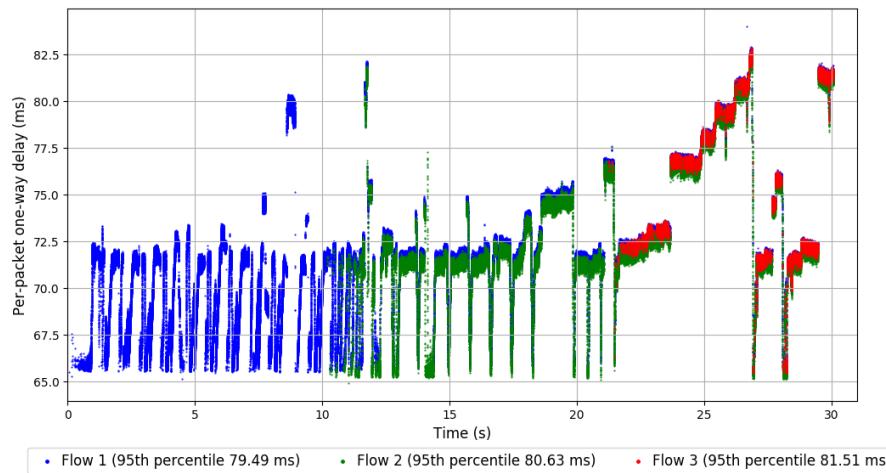
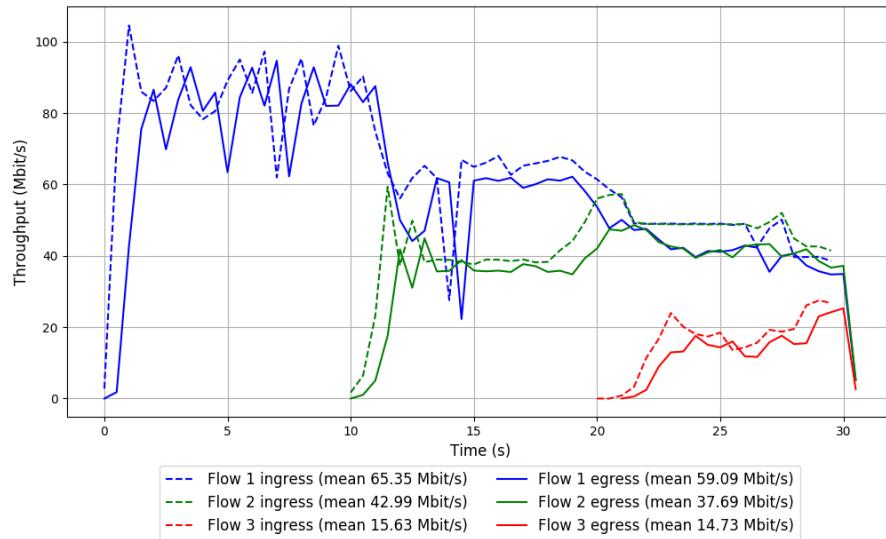


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-24 15:51:45
End at: 2018-05-24 15:52:15
Local clock offset: 2.264 ms
Remote clock offset: 51.133 ms

# Below is generated by plot.py at 2018-05-24 17:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 80.079 ms
Loss rate: 10.62%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 79.494 ms
Loss rate: 9.53%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 80.627 ms
Loss rate: 12.27%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 81.510 ms
Loss rate: 15.34%
```

Run 6: Report of TCP BBR — Data Link

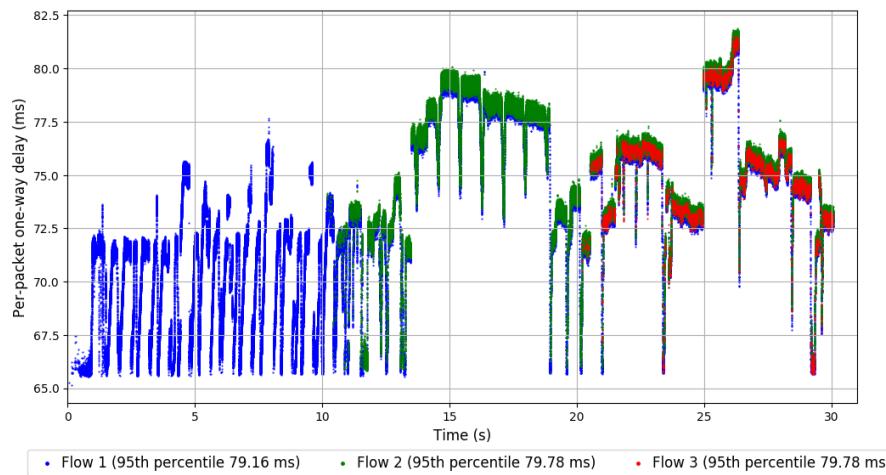
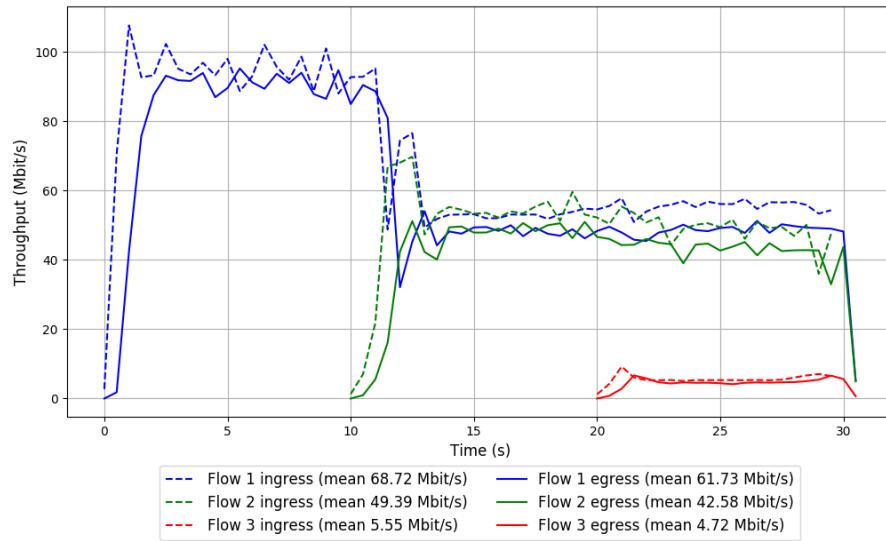


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-24 16:13:16
End at: 2018-05-24 16:13:46
Local clock offset: 2.178 ms
Remote clock offset: 30.798 ms

# Below is generated by plot.py at 2018-05-24 17:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 79.476 ms
Loss rate: 11.38%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 79.164 ms
Loss rate: 10.14%
-- Flow 2:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 79.782 ms
Loss rate: 13.77%
-- Flow 3:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 79.775 ms
Loss rate: 15.05%
```

Run 7: Report of TCP BBR — Data Link

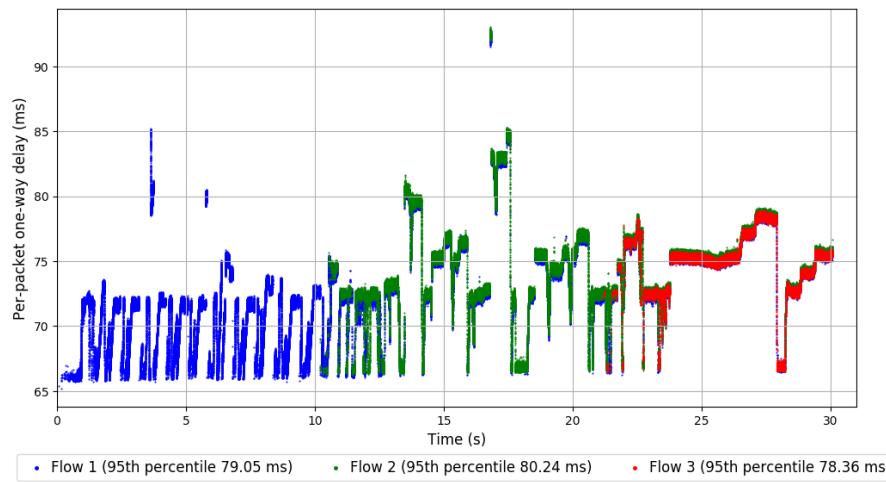
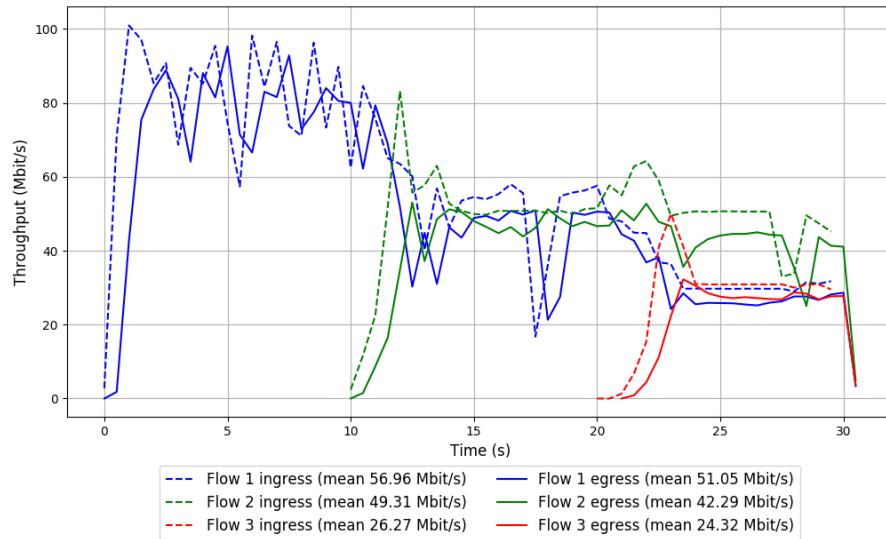


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-24 16:34:47
End at: 2018-05-24 16:35:17
Local clock offset: 3.501 ms
Remote clock offset: 12.194 ms

# Below is generated by plot.py at 2018-05-24 17:31:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 79.396 ms
Loss rate: 12.21%
-- Flow 1:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 79.045 ms
Loss rate: 10.35%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 80.237 ms
Loss rate: 14.22%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 78.364 ms
Loss rate: 16.79%
```

Run 8: Report of TCP BBR — Data Link

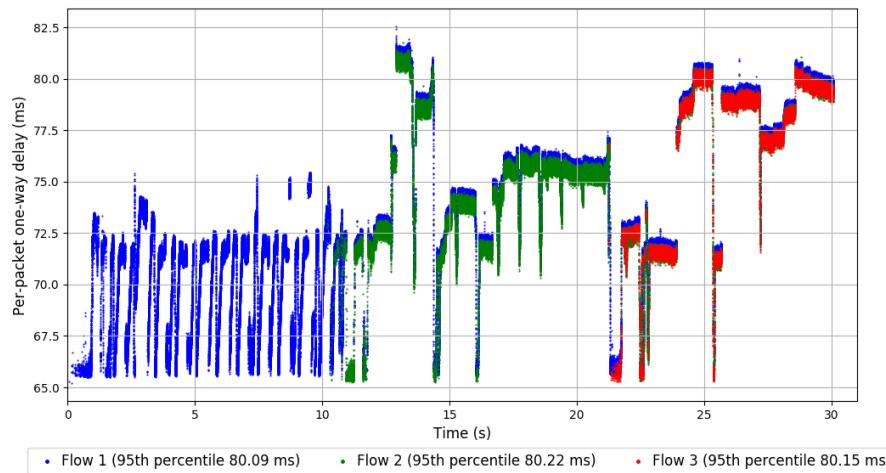
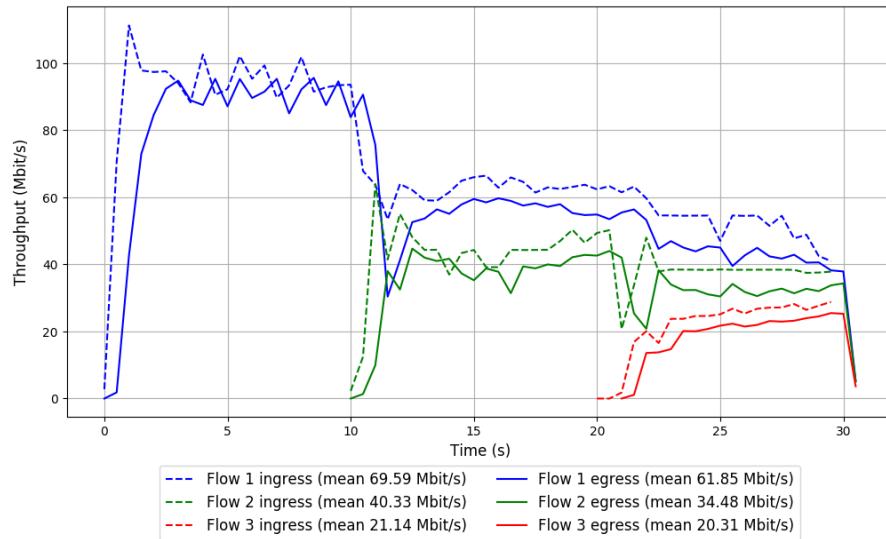


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-24 16:56:16
End at: 2018-05-24 16:56:46
Local clock offset: 4.362 ms
Remote clock offset: -7.042 ms

# Below is generated by plot.py at 2018-05-24 17:32:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 80.151 ms
Loss rate: 12.14%
-- Flow 1:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 80.088 ms
Loss rate: 11.08%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 80.224 ms
Loss rate: 14.47%
-- Flow 3:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 80.151 ms
Loss rate: 13.71%
```

Run 9: Report of TCP BBR — Data Link

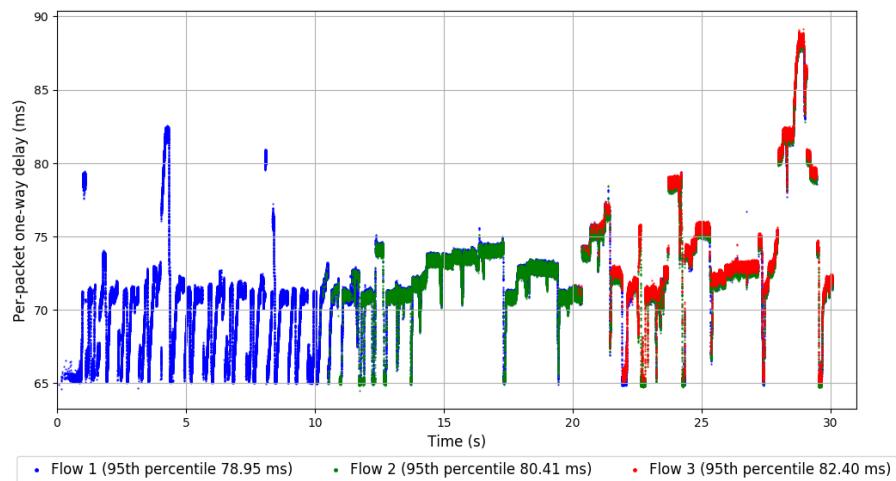
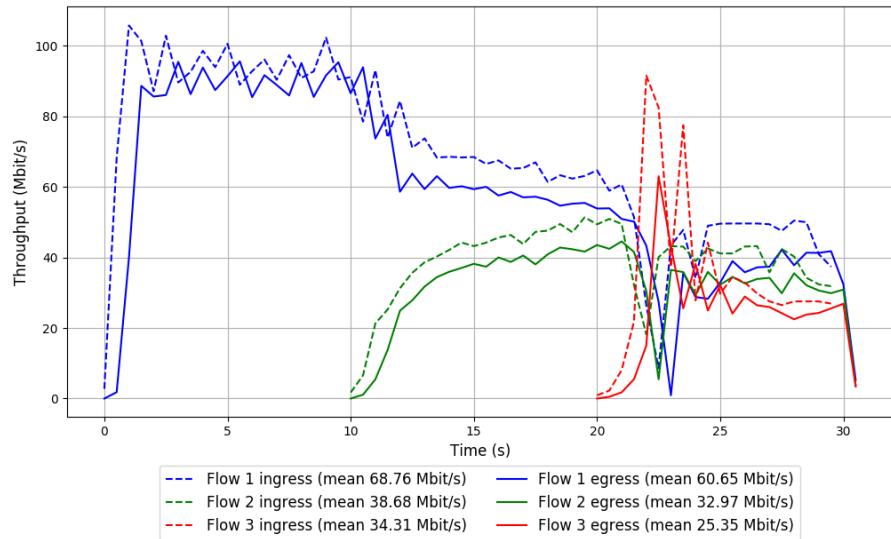


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-24 17:19:01
End at: 2018-05-24 17:19:31
Local clock offset: 0.529 ms
Remote clock offset: 27.783 ms

# Below is generated by plot.py at 2018-05-24 17:32:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 80.150 ms
Loss rate: 14.04%
-- Flow 1:
Average throughput: 60.65 Mbit/s
95th percentile per-packet one-way delay: 78.950 ms
Loss rate: 11.78%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 80.409 ms
Loss rate: 14.74%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 82.400 ms
Loss rate: 26.11%
```

Run 10: Report of TCP BBR — Data Link

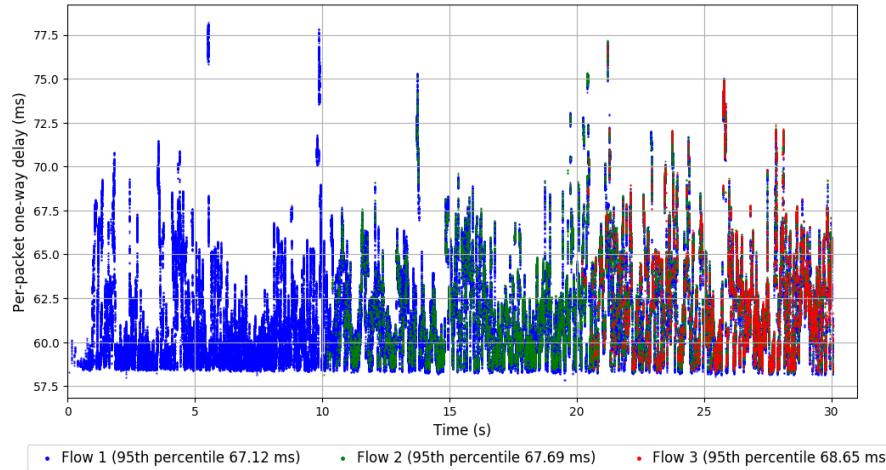
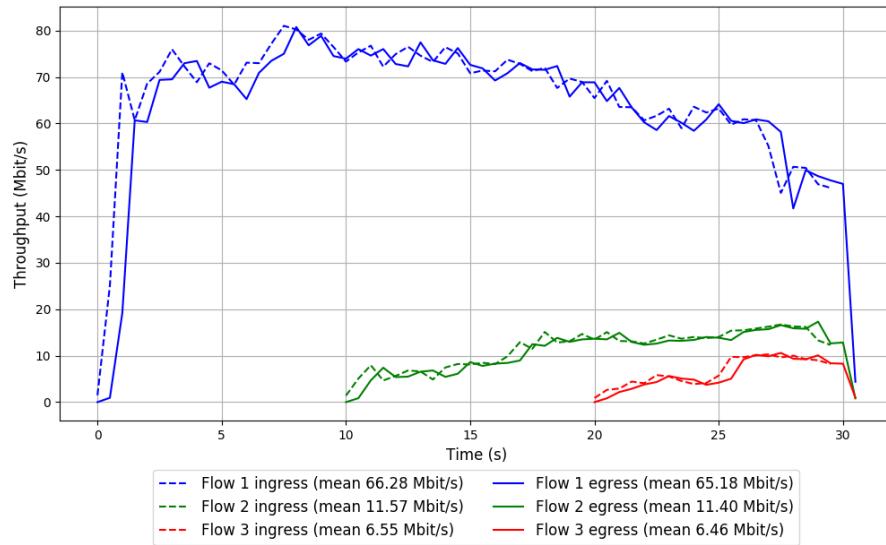


Run 1: Statistics of Copa

```
Start at: 2018-05-24 14:09:35
End at: 2018-05-24 14:10:05
Local clock offset: 1.101 ms
Remote clock offset: 63.967 ms

# Below is generated by plot.py at 2018-05-24 17:32:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 67.236 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 67.123 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 67.695 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 68.647 ms
Loss rate: 1.40%
```

Run 1: Report of Copa — Data Link

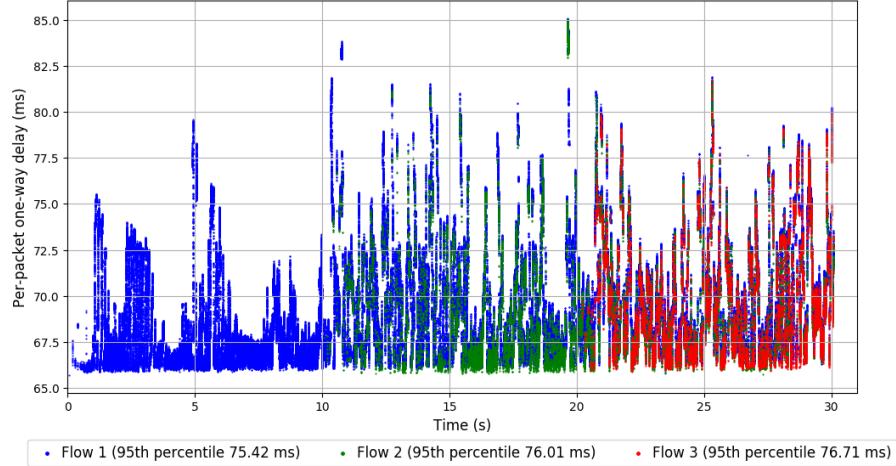
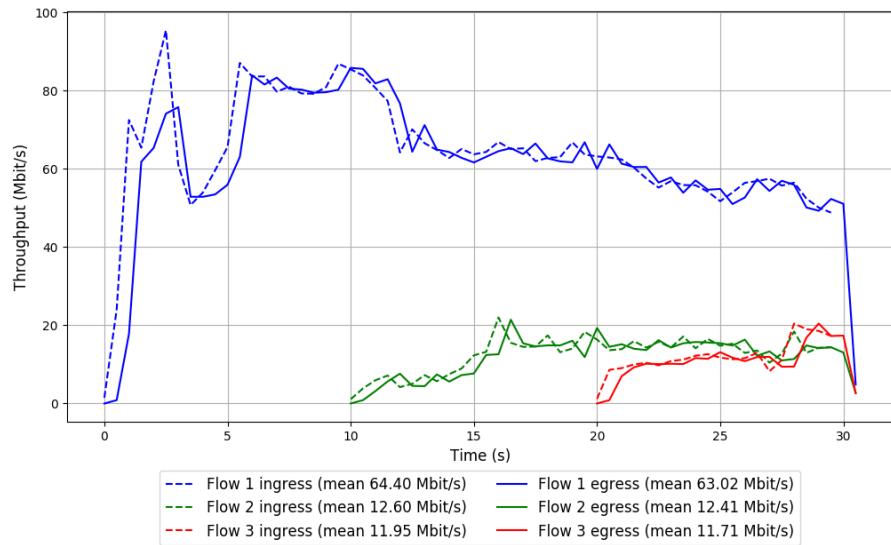


Run 2: Statistics of Copa

```
Start at: 2018-05-24 14:31:00
End at: 2018-05-24 14:31:30
Local clock offset: 2.604 ms
Remote clock offset: 34.911 ms

# Below is generated by plot.py at 2018-05-24 17:32:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 75.519 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 75.416 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 76.014 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 76.706 ms
Loss rate: 1.93%
```

Run 2: Report of Copa — Data Link

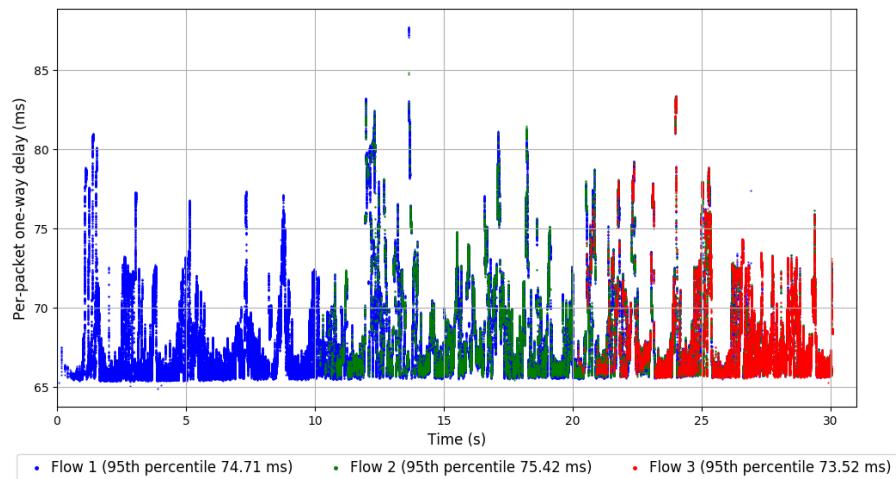
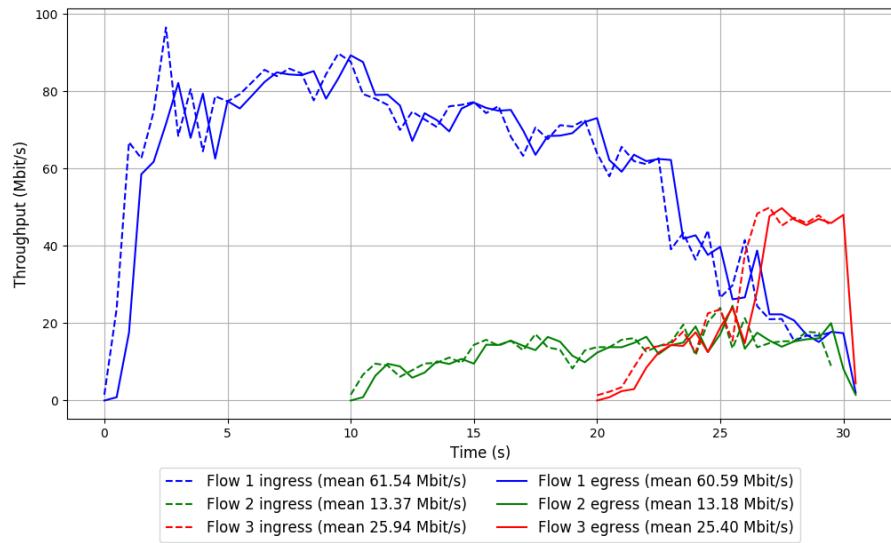


Run 3: Statistics of Copa

```
Start at: 2018-05-24 14:52:26
End at: 2018-05-24 14:52:56
Local clock offset: 5.334 ms
Remote clock offset: 24.596 ms

# Below is generated by plot.py at 2018-05-24 17:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 74.698 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 74.708 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 75.425 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 73.517 ms
Loss rate: 2.04%
```

Run 3: Report of Copa — Data Link

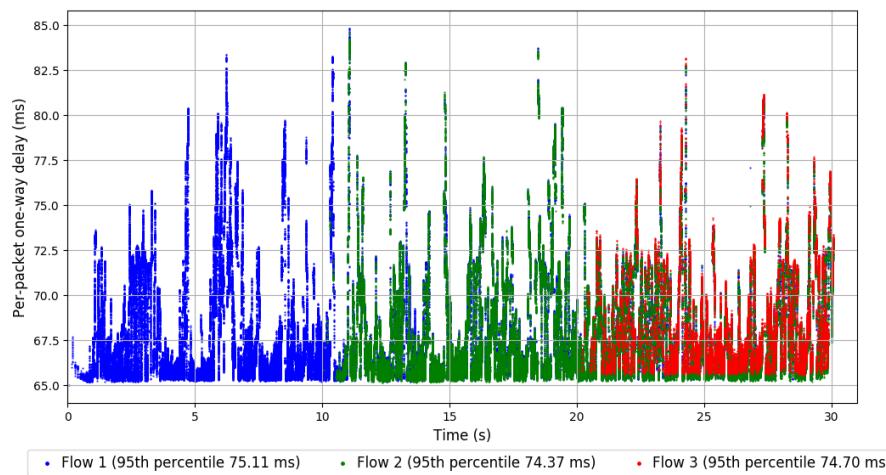
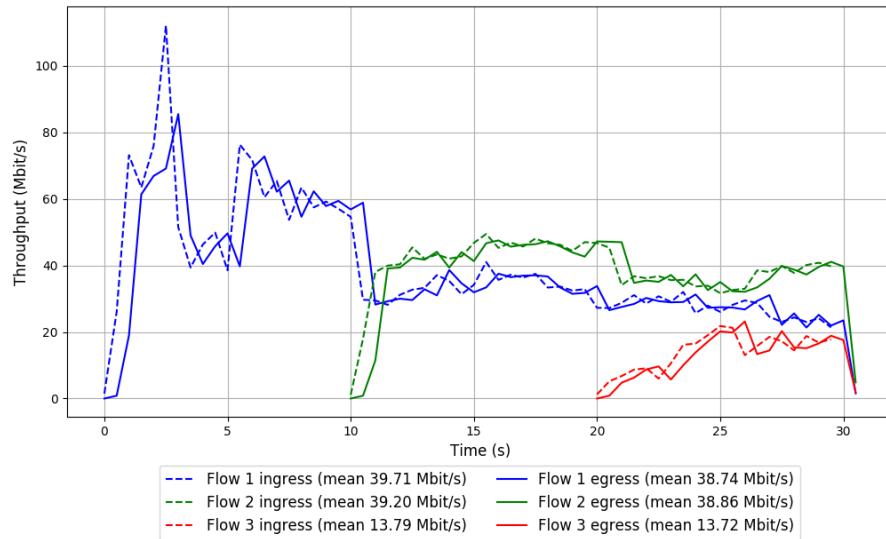


Run 4: Statistics of Copa

```
Start at: 2018-05-24 15:14:16
End at: 2018-05-24 15:14:46
Local clock offset: 3.057 ms
Remote clock offset: 16.938 ms

# Below is generated by plot.py at 2018-05-24 17:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 74.830 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 75.112 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 74.366 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 74.702 ms
Loss rate: 0.48%
```

Run 4: Report of Copa — Data Link

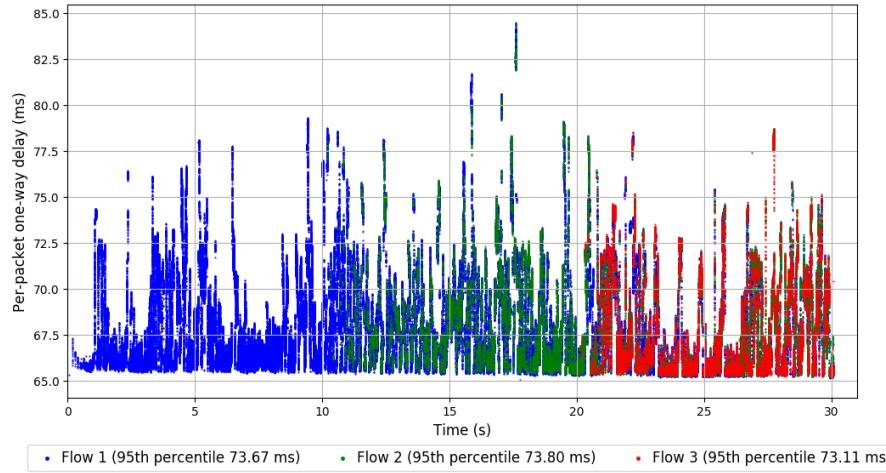
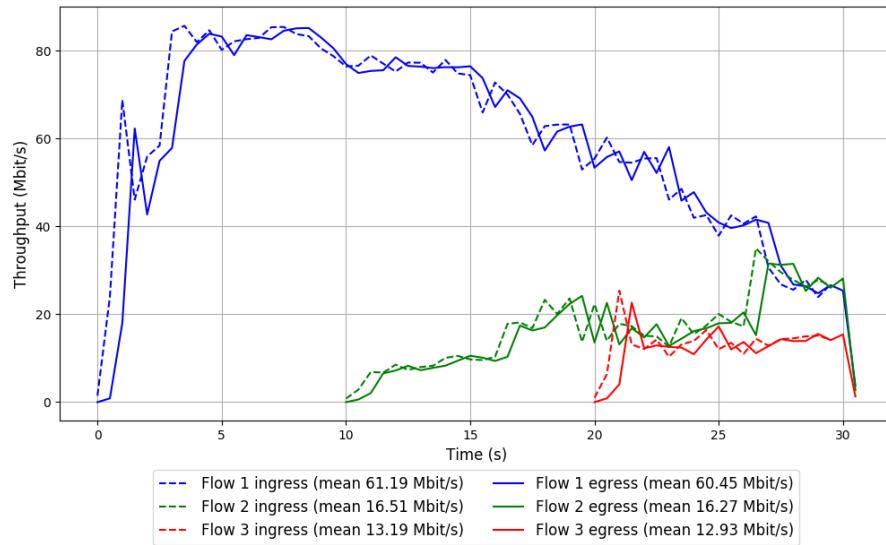


Run 5: Statistics of Copa

```
Start at: 2018-05-24 15:35:44
End at: 2018-05-24 15:36:14
Local clock offset: 2.347 ms
Remote clock offset: 43.15 ms

# Below is generated by plot.py at 2018-05-24 17:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 73.648 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 73.666 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 73.796 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 73.107 ms
Loss rate: 1.87%
```

Run 5: Report of Copa — Data Link

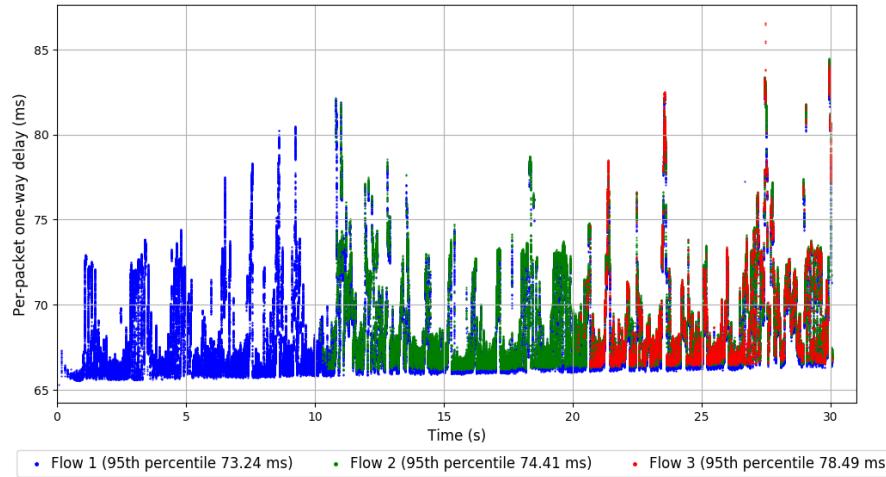
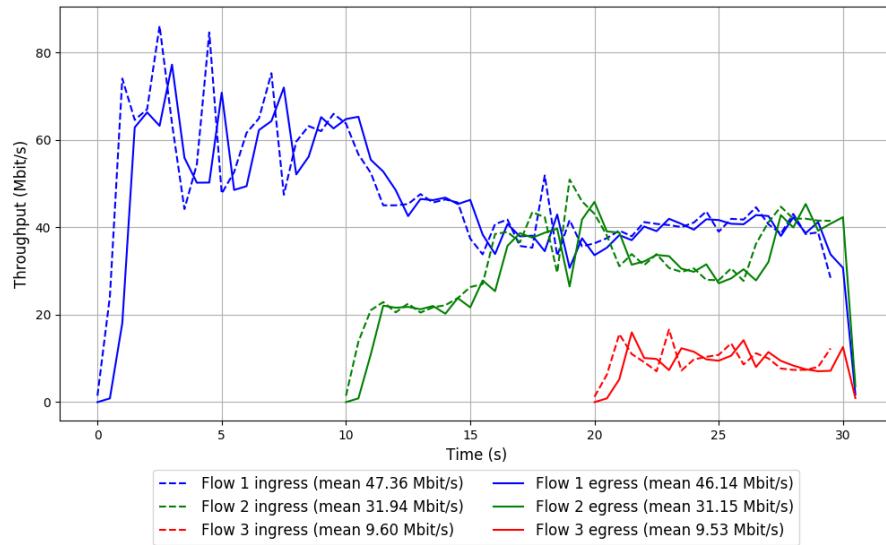


Run 6: Statistics of Copa

```
Start at: 2018-05-24 15:57:15
End at: 2018-05-24 15:57:45
Local clock offset: 2.266 ms
Remote clock offset: 42.802 ms

# Below is generated by plot.py at 2018-05-24 17:32:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.05 Mbit/s
95th percentile per-packet one-way delay: 73.680 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 73.237 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 74.408 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 78.488 ms
Loss rate: 0.69%
```

Run 6: Report of Copa — Data Link

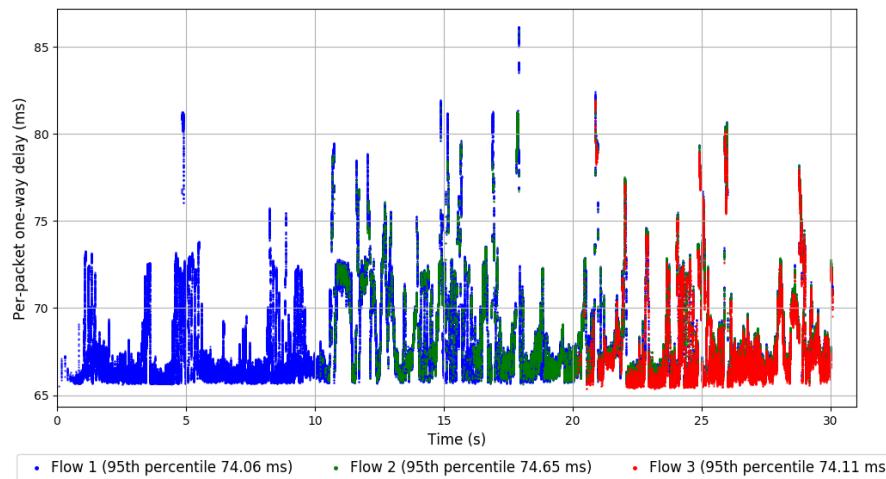
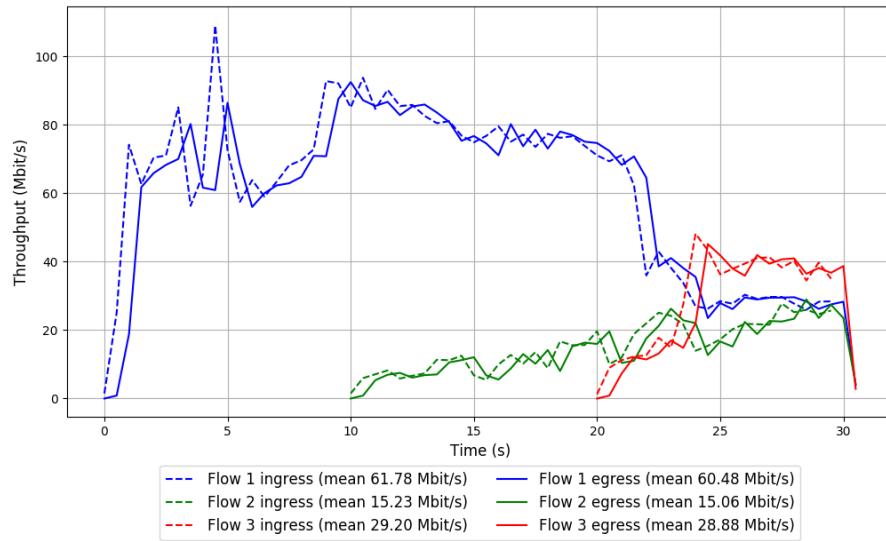


Run 7: Statistics of Copa

```
Start at: 2018-05-24 16:18:44
End at: 2018-05-24 16:19:14
Local clock offset: 2.115 ms
Remote clock offset: 29.577 ms

# Below is generated by plot.py at 2018-05-24 17:34:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 74.149 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: 74.056 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 74.651 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 74.109 ms
Loss rate: 1.08%
```

Run 7: Report of Copa — Data Link

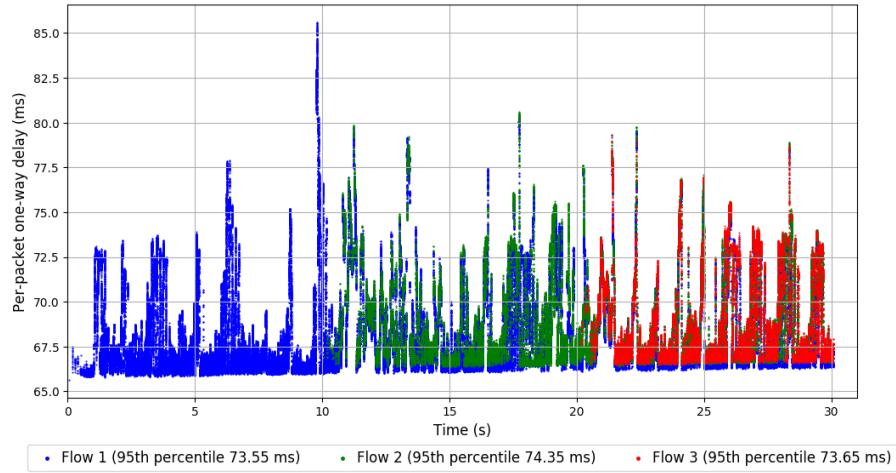
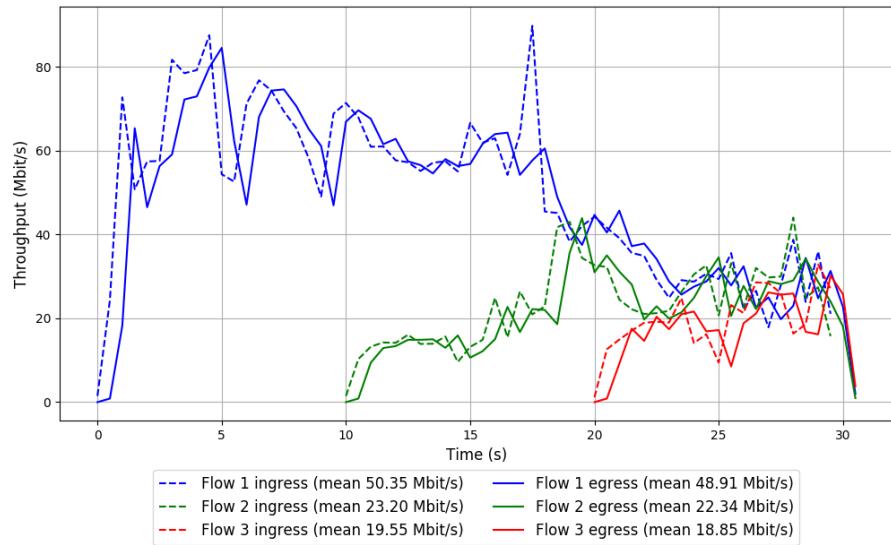


Run 8: Statistics of Copa

```
Start at: 2018-05-24 16:40:15
End at: 2018-05-24 16:40:45
Local clock offset: 3.97 ms
Remote clock offset: 5.385 ms

# Below is generated by plot.py at 2018-05-24 17:34:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 73.744 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 73.547 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 74.346 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 73.649 ms
Loss rate: 3.62%
```

Run 8: Report of Copa — Data Link

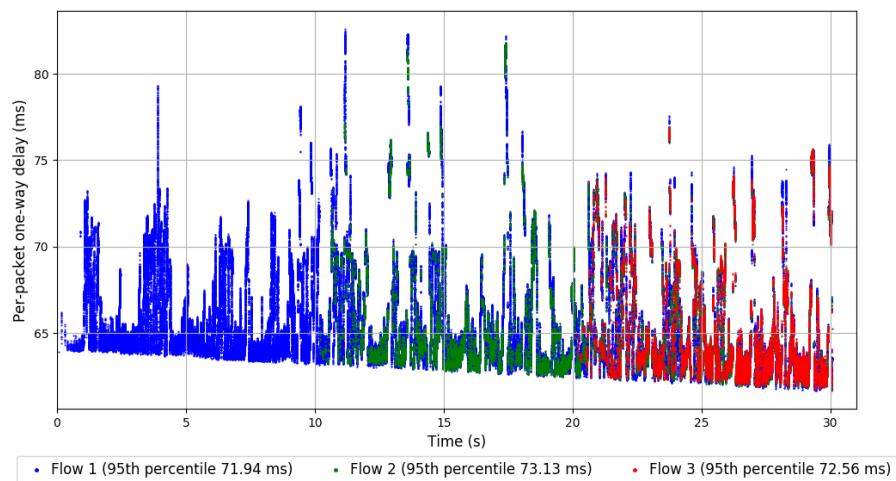
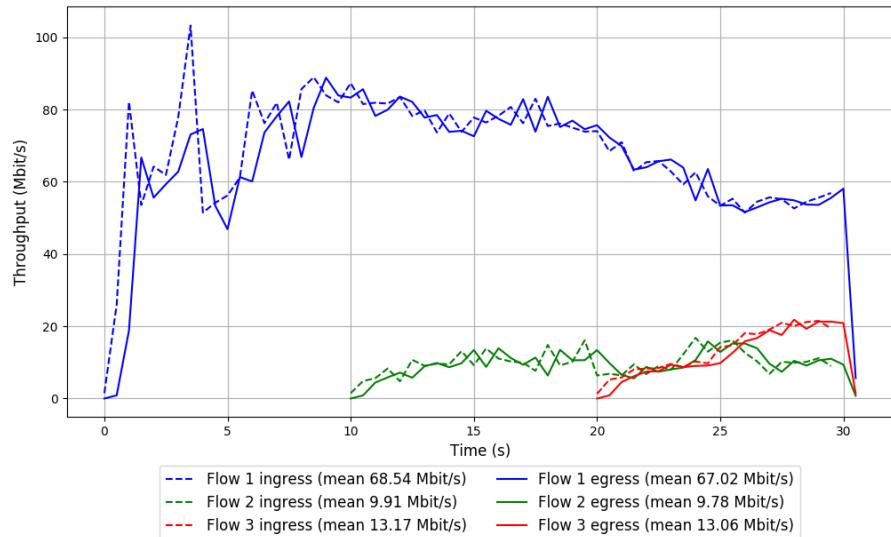


Run 9: Statistics of Copa

```
Start at: 2018-05-24 17:01:45
End at: 2018-05-24 17:02:15
Local clock offset: 2.458 ms
Remote clock offset: -8.753 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 72.096 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 67.02 Mbit/s
95th percentile per-packet one-way delay: 71.943 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 73.132 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 72.557 ms
Loss rate: 0.88%
```

Run 9: Report of Copa — Data Link

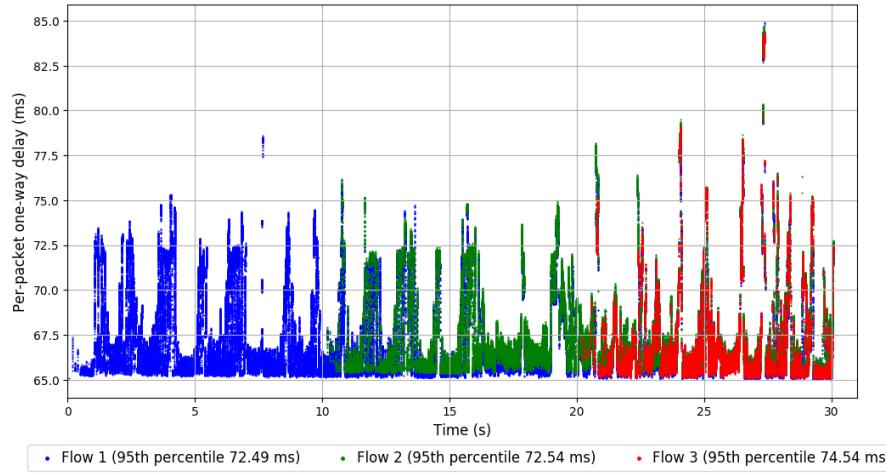
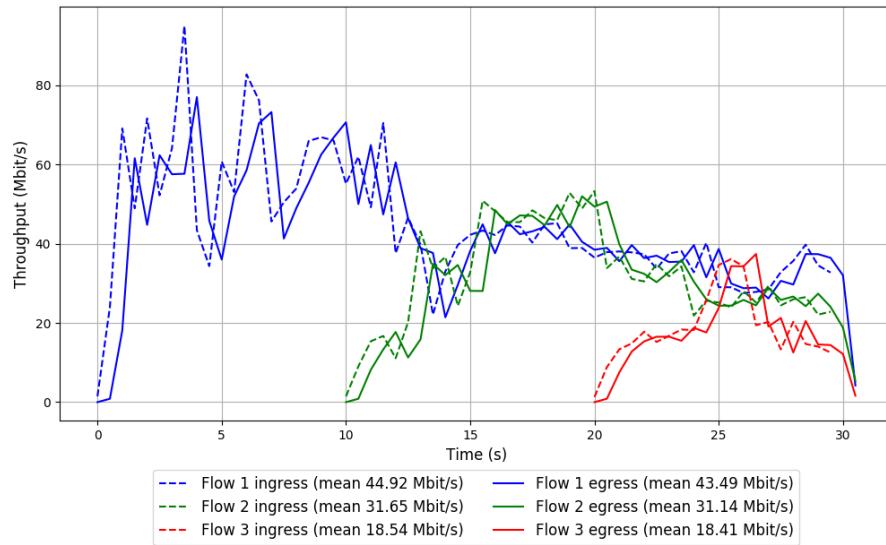


Run 10: Statistics of Copa

```
Start at: 2018-05-24 17:24:29
End at: 2018-05-24 17:24:59
Local clock offset: 0.061 ms
Remote clock offset: 30.781 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 72.585 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 72.486 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 72.537 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 74.540 ms
Loss rate: 0.66%
```

Run 10: Report of Copa — Data Link

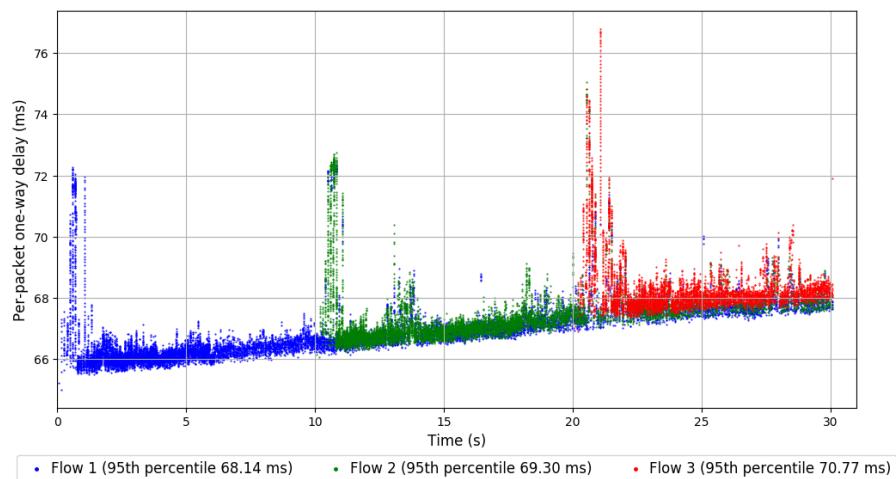
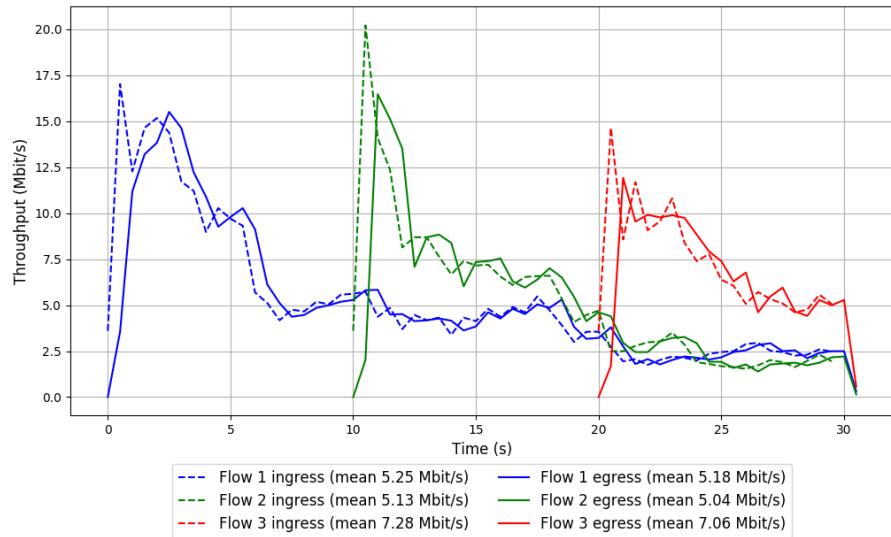


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-24 14:11:00
End at: 2018-05-24 14:11:30
Local clock offset: 1.208 ms
Remote clock offset: 69.947 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 69.359 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 68.136 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 69.295 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 70.766 ms
Loss rate: 2.91%
```

Run 1: Report of TCP Cubic — Data Link

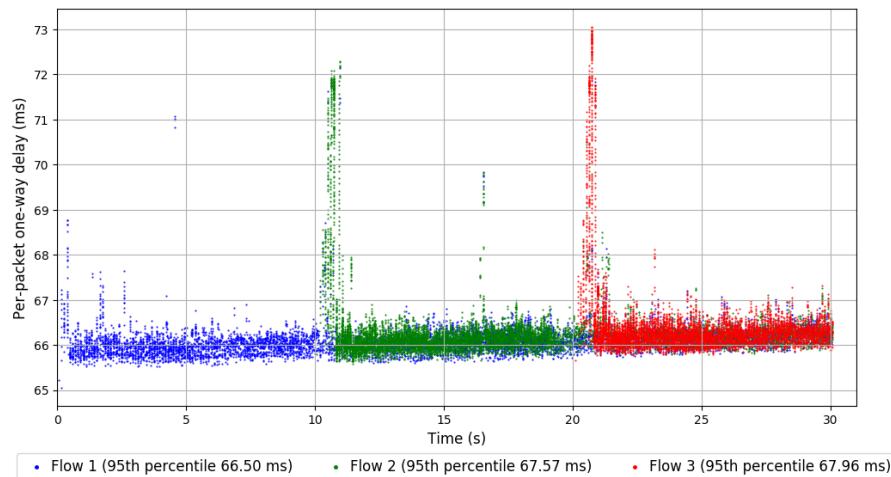
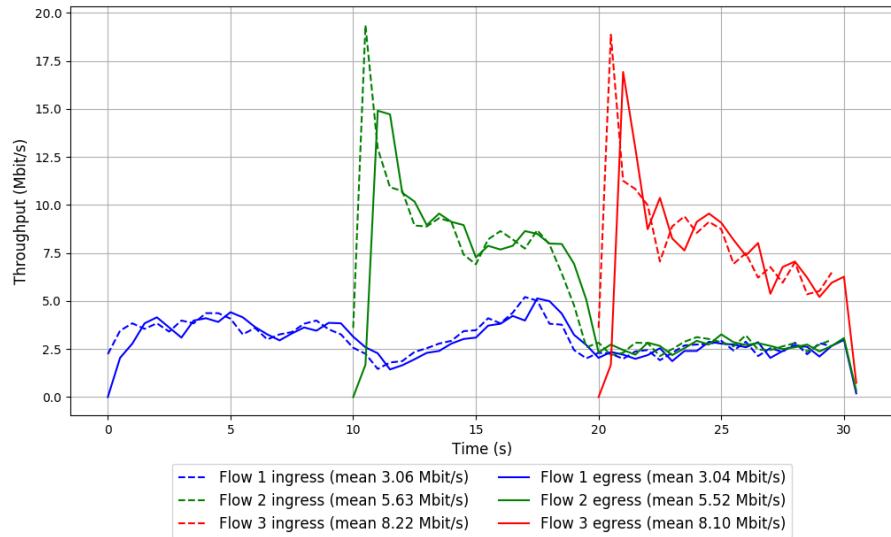


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-24 14:32:24
End at: 2018-05-24 14:32:54
Local clock offset: 3.026 ms
Remote clock offset: 34.104 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 67.035 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 66.503 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 67.572 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 67.964 ms
Loss rate: 1.57%
```

Run 2: Report of TCP Cubic — Data Link

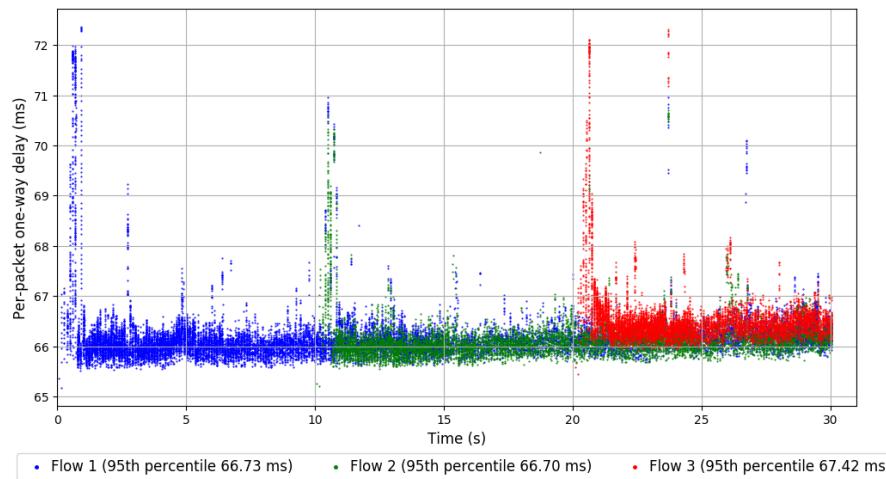
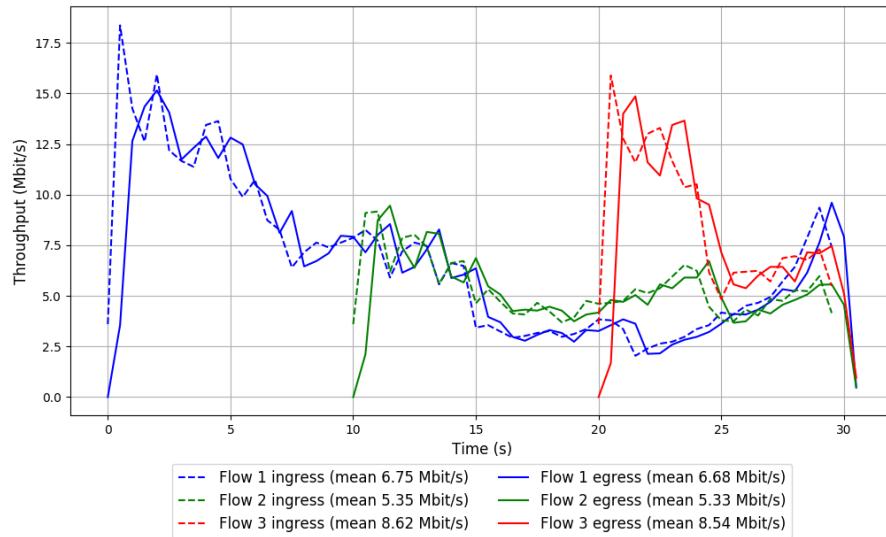


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-24 14:53:50
End at: 2018-05-24 14:54:20
Local clock offset: 5.423 ms
Remote clock offset: 23.98 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 66.920 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 66.730 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 66.698 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 67.416 ms
Loss rate: 0.84%
```

Run 3: Report of TCP Cubic — Data Link

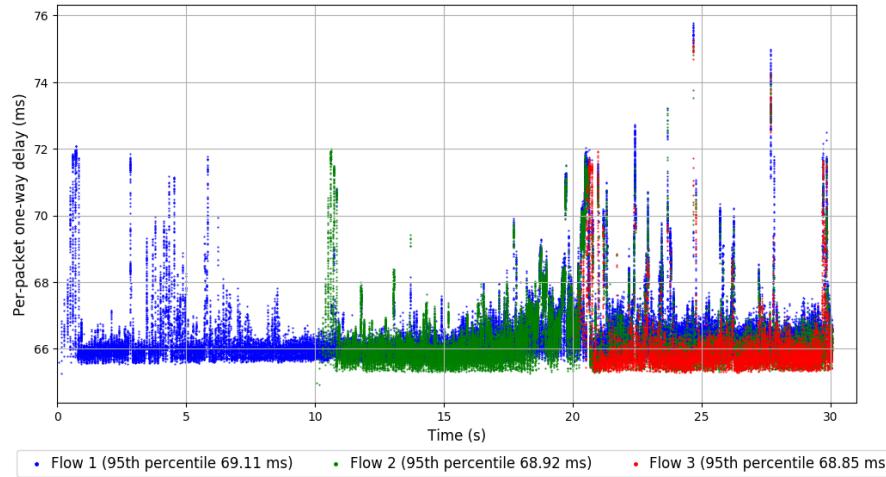
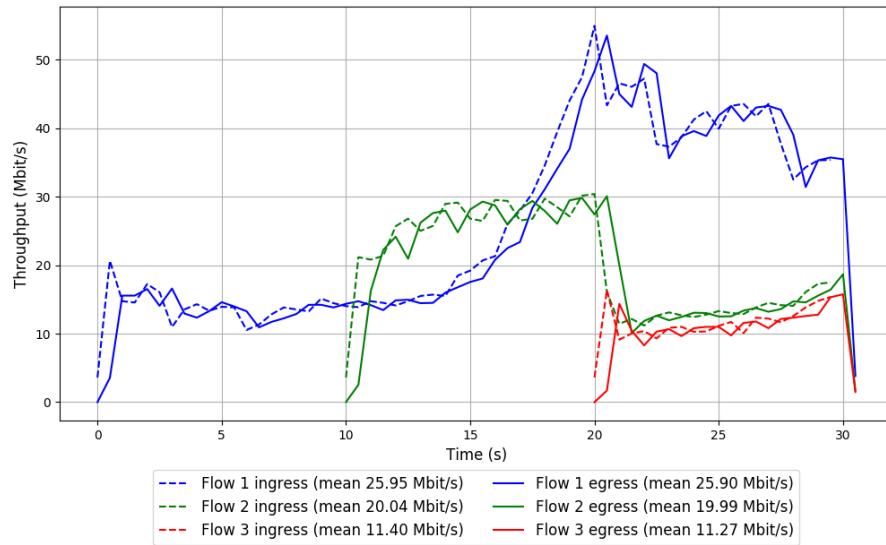


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-24 15:15:39
End at: 2018-05-24 15:16:09
Local clock offset: 2.885 ms
Remote clock offset: 16.525 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 69.033 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 69.105 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 68.918 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 68.846 ms
Loss rate: 1.12%
```

Run 4: Report of TCP Cubic — Data Link

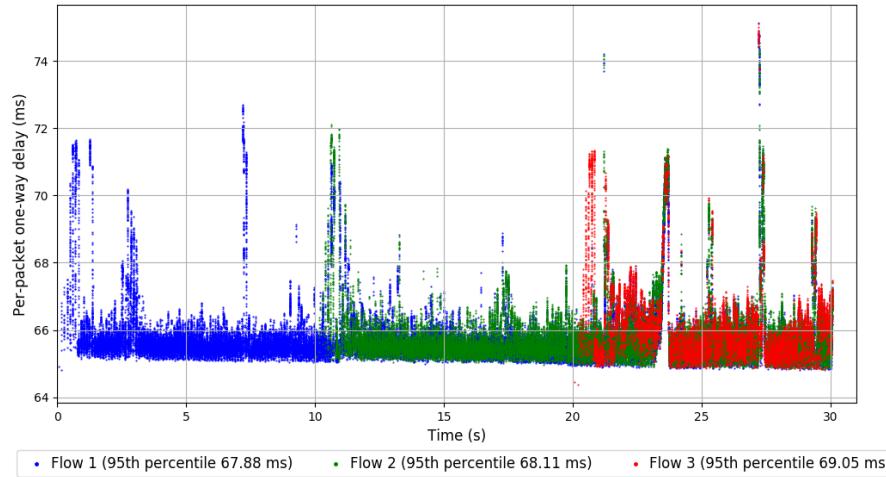
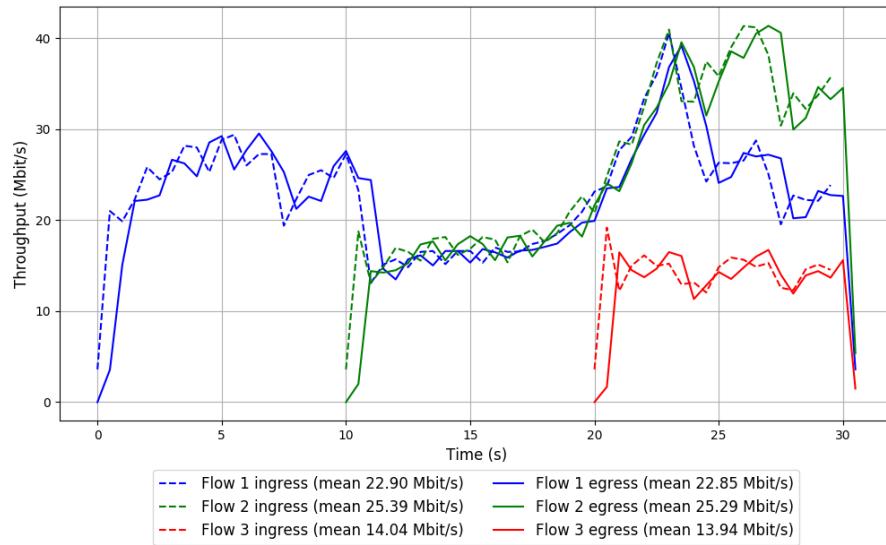


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-24 15:37:08
End at: 2018-05-24 15:37:38
Local clock offset: 2.463 ms
Remote clock offset: 44.061 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 68.231 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 67.884 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 68.114 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 69.052 ms
Loss rate: 0.73%
```

Run 5: Report of TCP Cubic — Data Link

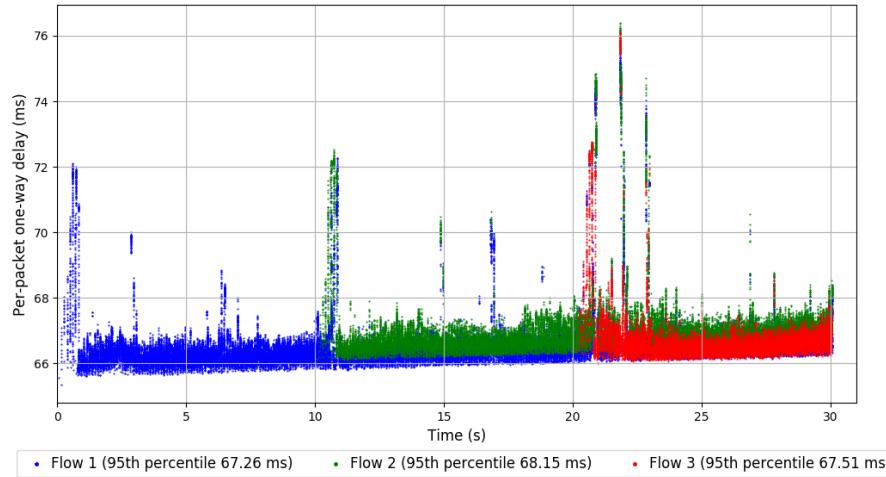
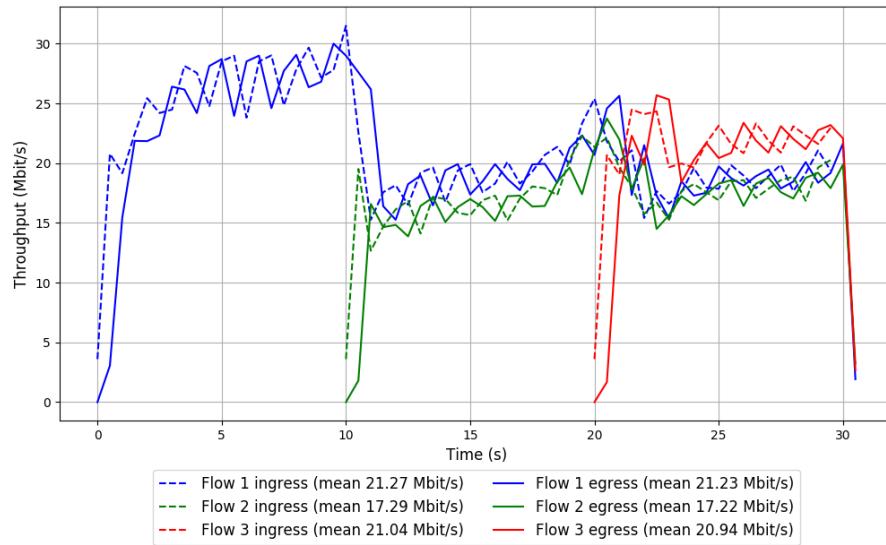


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-24 15:58:38
End at: 2018-05-24 15:59:08
Local clock offset: 2.217 ms
Remote clock offset: 40.681 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 67.627 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 67.259 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 68.148 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 67.510 ms
Loss rate: 0.45%
```

Run 6: Report of TCP Cubic — Data Link

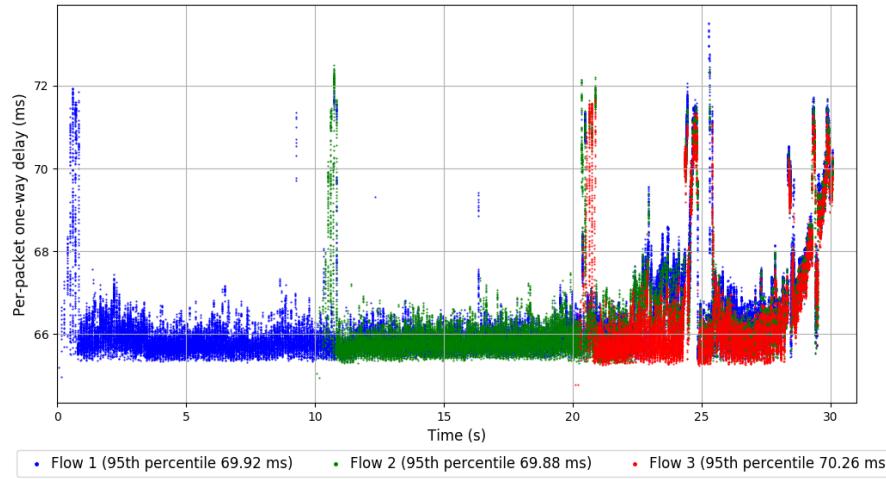
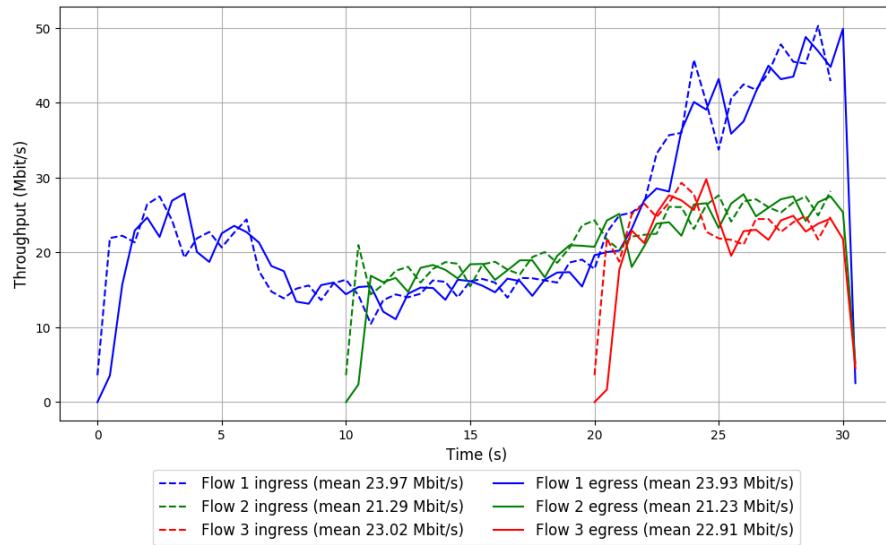


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-24 16:20:09
End at: 2018-05-24 16:20:39
Local clock offset: 2.13 ms
Remote clock offset: 29.259 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 70.028 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 69.916 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 69.882 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 70.263 ms
Loss rate: 0.41%
```

Run 7: Report of TCP Cubic — Data Link

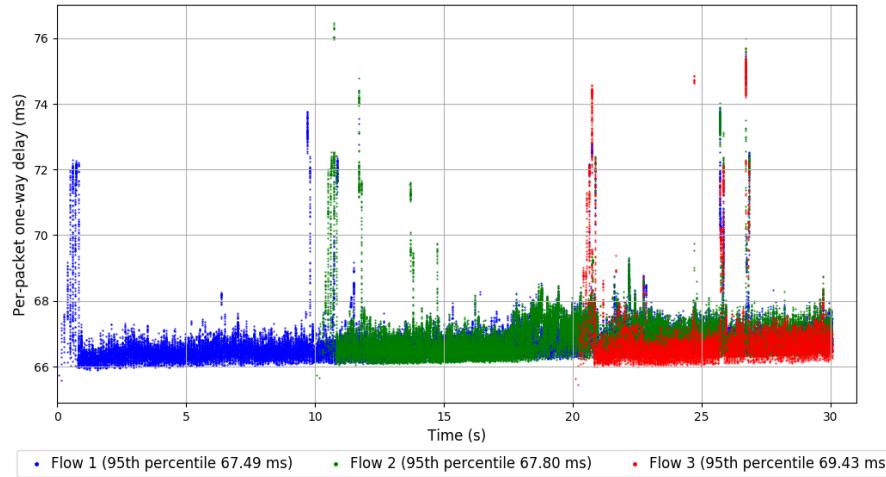
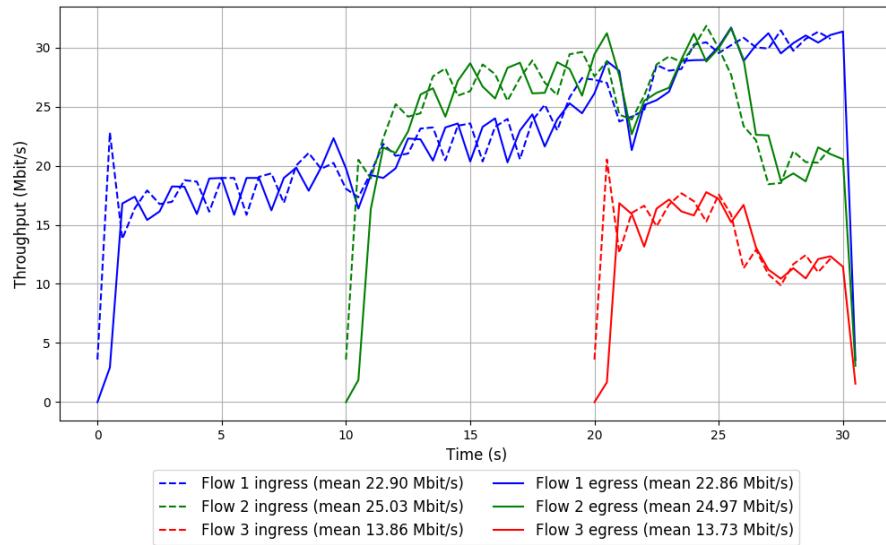


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-24 16:41:38
End at: 2018-05-24 16:42:08
Local clock offset: 3.943 ms
Remote clock offset: 3.736 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 67.797 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 0.96%
```

Run 8: Report of TCP Cubic — Data Link

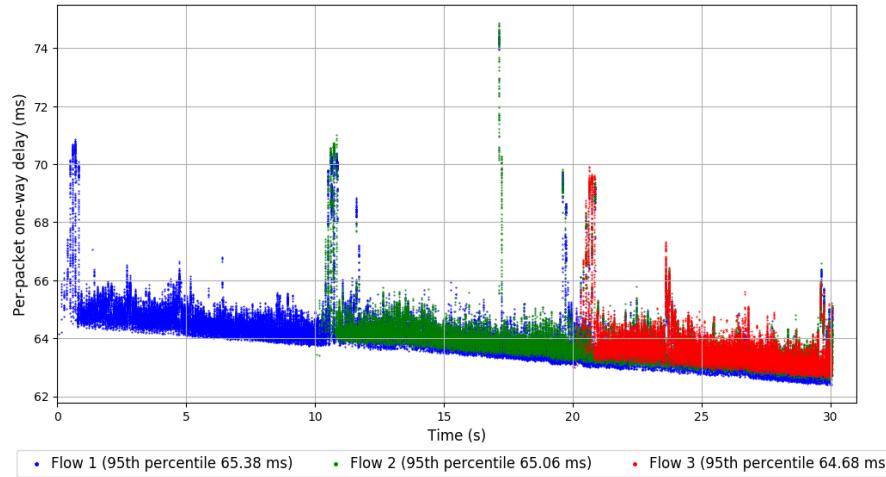
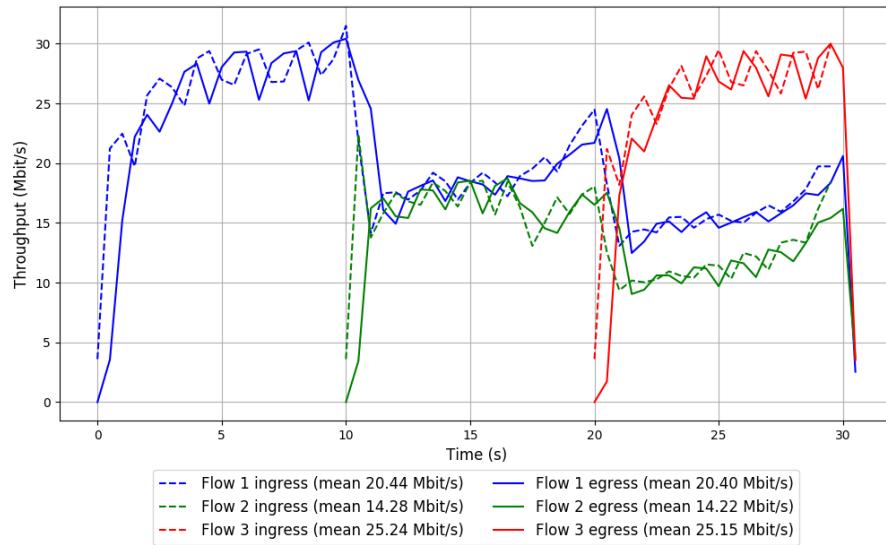


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-24 17:03:09
End at: 2018-05-24 17:03:39
Local clock offset: 2.428 ms
Remote clock offset: -2.086 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 65.256 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 65.379 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 65.064 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 64.676 ms
Loss rate: 0.32%
```

Run 9: Report of TCP Cubic — Data Link

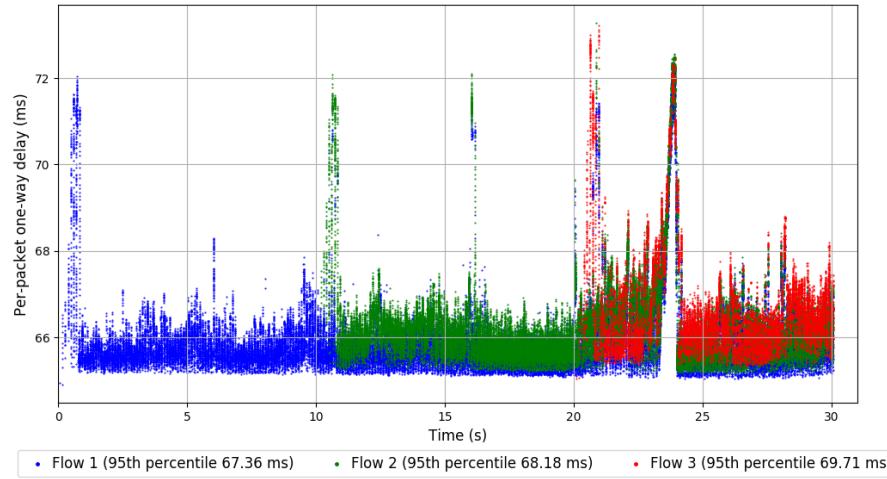
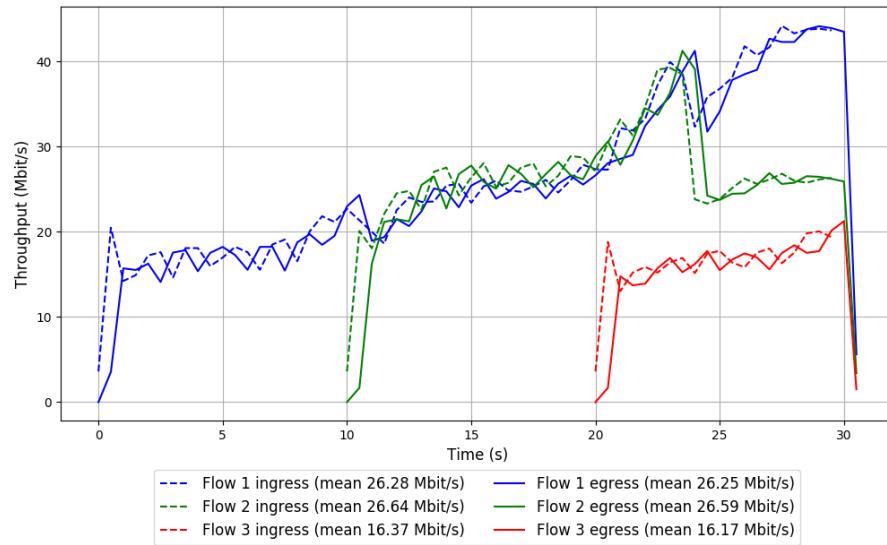


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-24 17:25:53
End at: 2018-05-24 17:26:23
Local clock offset: 0.001 ms
Remote clock offset: 31.19 ms

# Below is generated by plot.py at 2018-05-24 17:34:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 68.020 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 67.360 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 68.178 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 69.708 ms
Loss rate: 1.23%
```

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

/home/ubuntu/pantheon/data/2018-05-24T13-50-AWS-Korea-to-China-10-runs-3-flows/fillp_stats_1

Run 1: Report of FillP — Data Link

Figure is missing

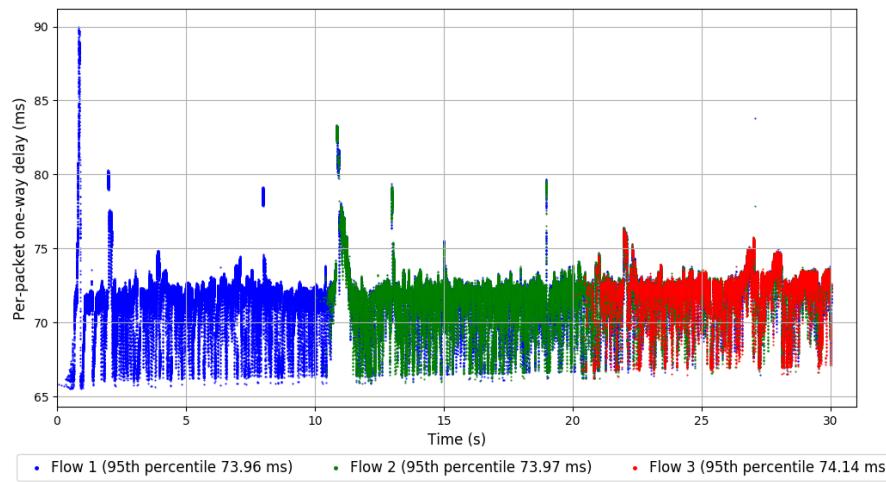
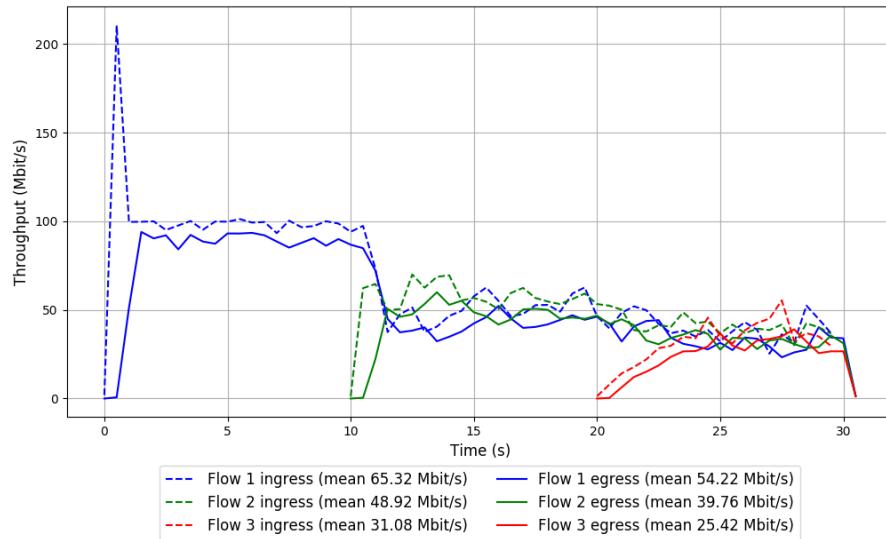
Figure is missing

Run 2: Statistics of FillP

```
Start at: 2018-05-24 14:16:18
End at: 2018-05-24 14:16:48
Local clock offset: 0.962 ms
Remote clock offset: 53.14 ms

# Below is generated by plot.py at 2018-05-24 17:35:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 73.997 ms
Loss rate: 17.62%
-- Flow 1:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 73.956 ms
Loss rate: 16.97%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 73.970 ms
Loss rate: 18.72%
-- Flow 3:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 74.136 ms
Loss rate: 18.21%
```

Run 2: Report of FillP — Data Link

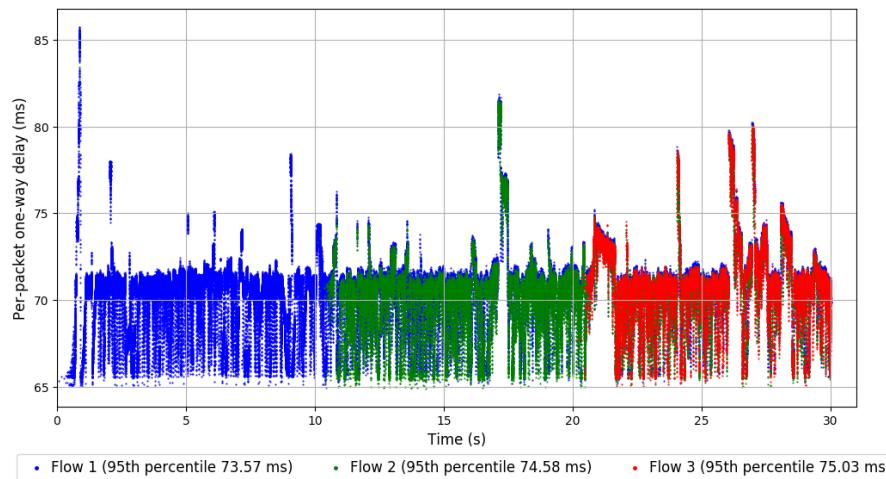
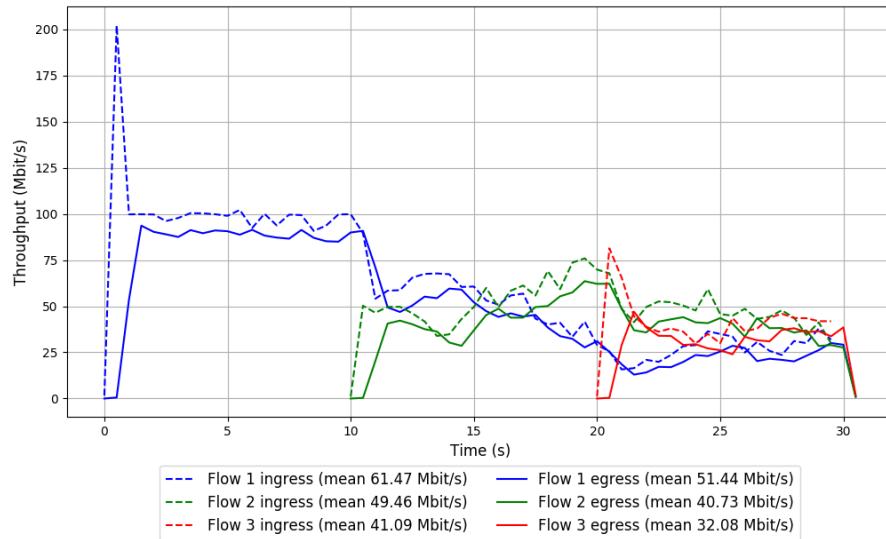


Run 3: Statistics of FillP

```
Start at: 2018-05-24 14:37:43
End at: 2018-05-24 14:38:13
Local clock offset: 4.004 ms
Remote clock offset: 31.718 ms

# Below is generated by plot.py at 2018-05-24 17:35:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 73.951 ms
Loss rate: 17.43%
-- Flow 1:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 73.569 ms
Loss rate: 16.30%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 74.580 ms
Loss rate: 17.67%
-- Flow 3:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 75.029 ms
Loss rate: 21.92%
```

Run 3: Report of FillP — Data Link

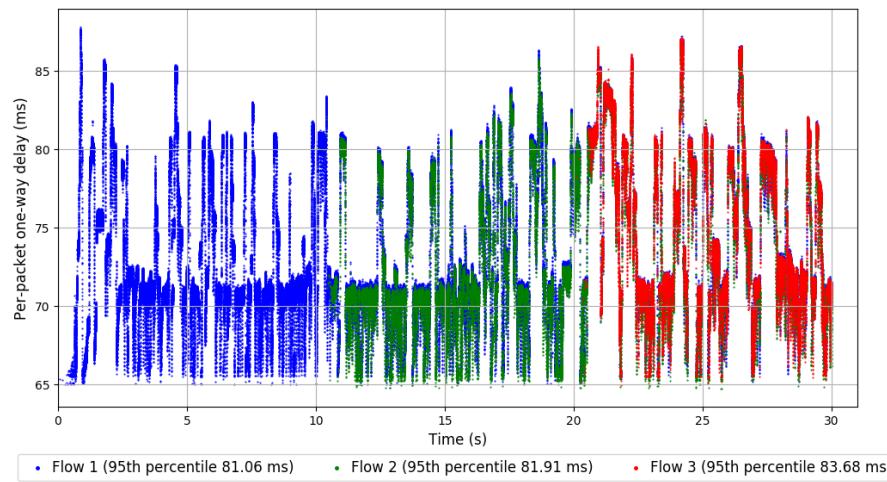
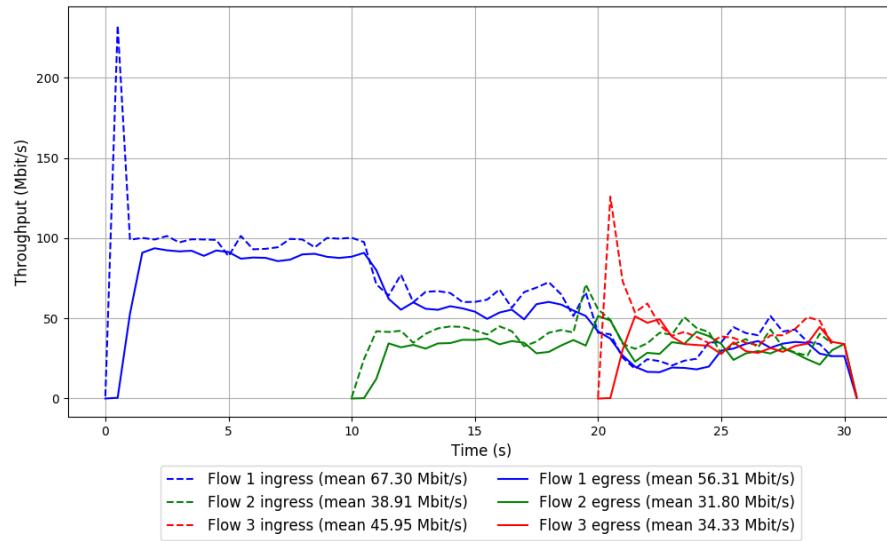


Run 4: Statistics of FillP

```
Start at: 2018-05-24 14:59:31
End at: 2018-05-24 15:00:01
Local clock offset: 4.541 ms
Remote clock offset: 21.559 ms

# Below is generated by plot.py at 2018-05-24 17:35:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 81.773 ms
Loss rate: 18.08%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 81.058 ms
Loss rate: 16.33%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 81.905 ms
Loss rate: 18.32%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 83.680 ms
Loss rate: 25.37%
```

Run 4: Report of FillP — Data Link

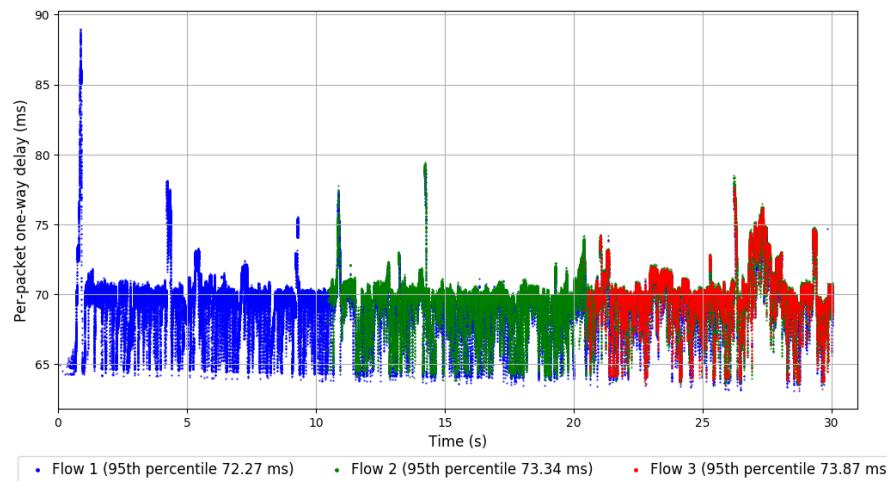
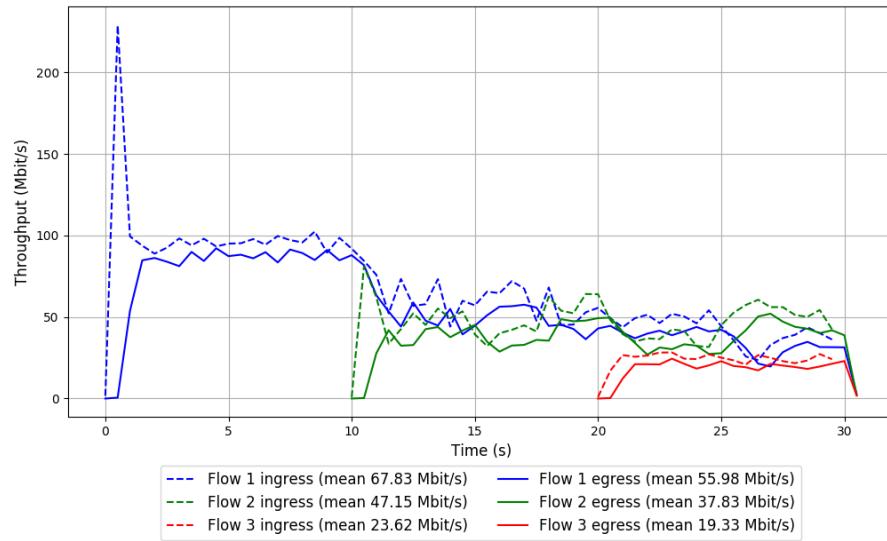


Run 5: Statistics of FillP

```
Start at: 2018-05-24 15:21:00
End at: 2018-05-24 15:21:30
Local clock offset: 2.703 ms
Remote clock offset: 21.725 ms

# Below is generated by plot.py at 2018-05-24 17:35:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 72.803 ms
Loss rate: 18.18%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 72.272 ms
Loss rate: 17.45%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 73.345 ms
Loss rate: 19.76%
-- Flow 3:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 73.872 ms
Loss rate: 18.15%
```

Run 5: Report of FillP — Data Link

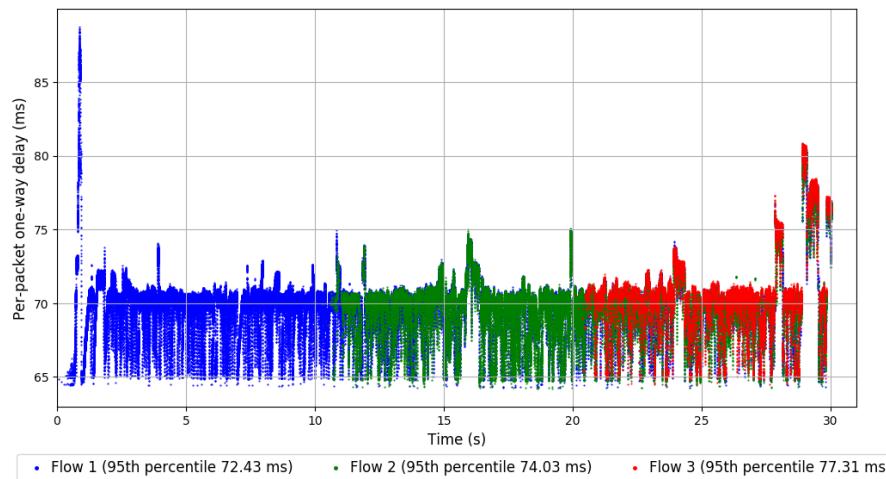
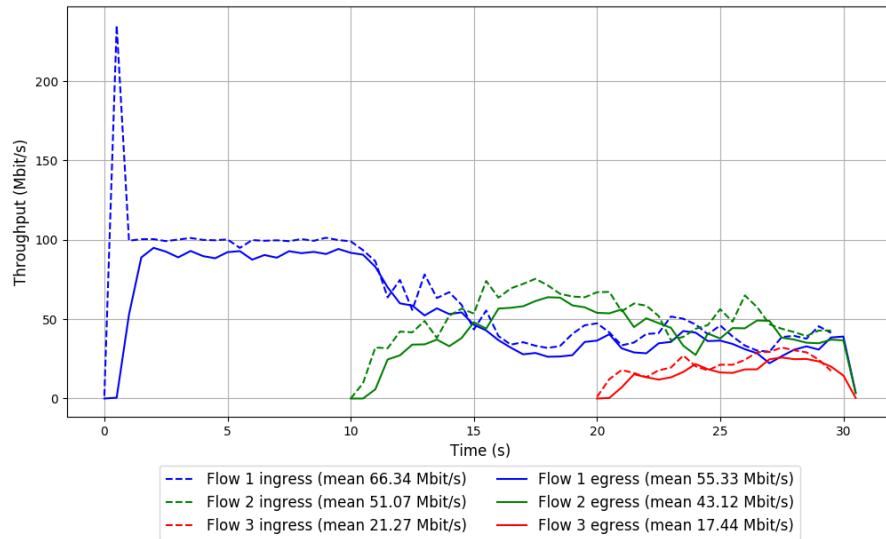


```
Run 6: Statistics of FillP
```

```
Start at: 2018-05-24 15:42:29
End at: 2018-05-24 15:42:59
Local clock offset: 2.527 ms
Remote clock offset: 47.105 ms

# Below is generated by plot.py at 2018-05-24 17:35:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 73.340 ms
Loss rate: 16.59%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 72.430 ms
Loss rate: 16.55%
-- Flow 2:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 74.025 ms
Loss rate: 16.39%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 77.311 ms
Loss rate: 17.96%
```

Run 6: Report of FillP — Data Link

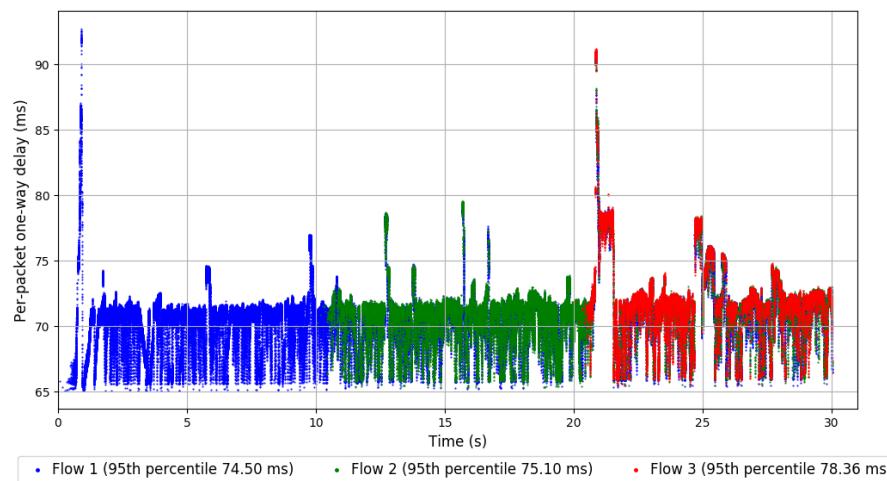
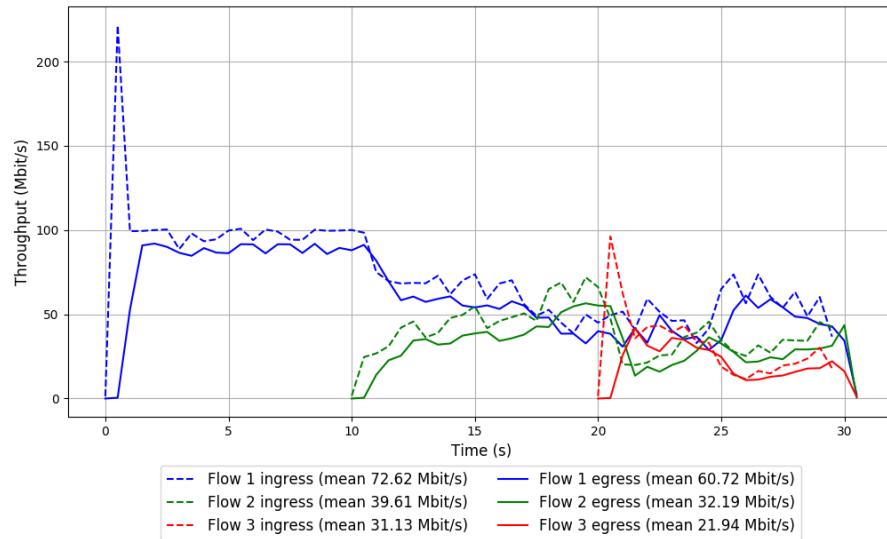


Run 7: Statistics of FillP

```
Start at: 2018-05-24 16:03:59
End at: 2018-05-24 16:04:29
Local clock offset: 2.257 ms
Remote clock offset: 35.03 ms

# Below is generated by plot.py at 2018-05-24 17:35:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 75.384 ms
Loss rate: 18.20%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 74.496 ms
Loss rate: 16.39%
-- Flow 2:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 75.104 ms
Loss rate: 18.74%
-- Flow 3:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 78.357 ms
Loss rate: 29.56%
```

Run 7: Report of FillP — Data Link

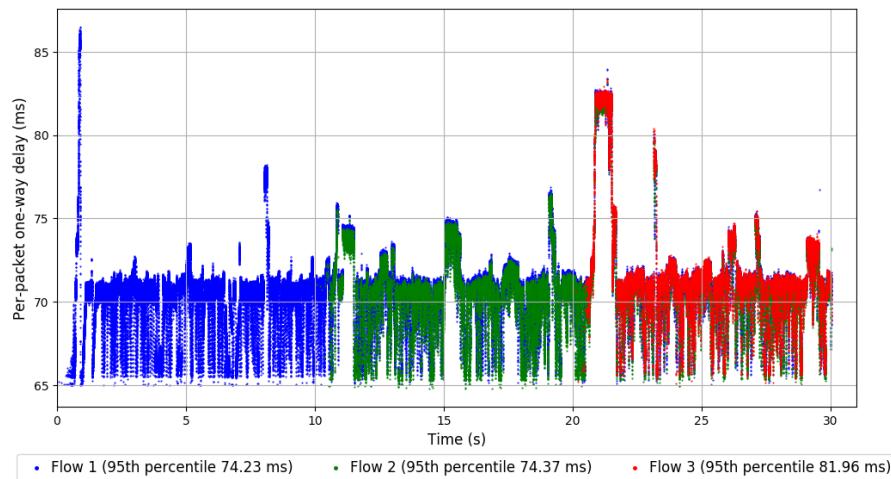
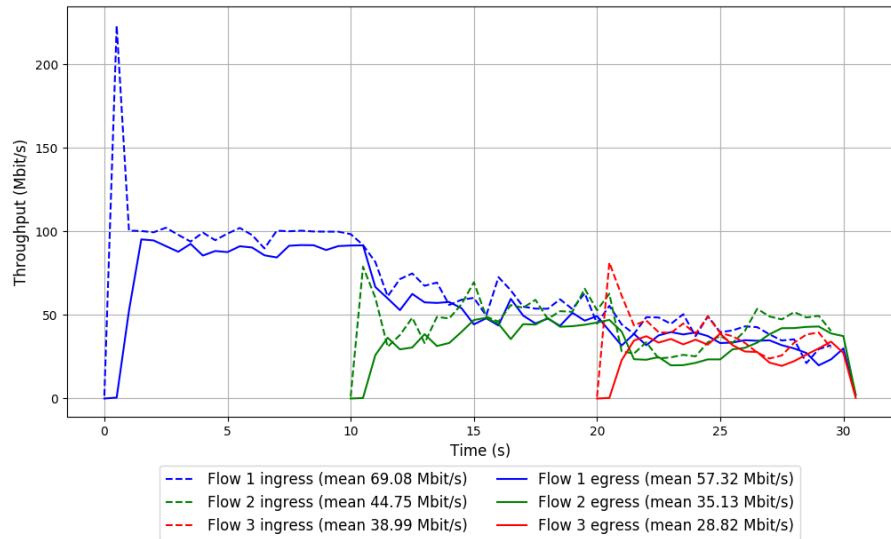


Run 8: Statistics of FillP

```
Start at: 2018-05-24 16:25:30
End at: 2018-05-24 16:26:00
Local clock offset: 2.073 ms
Remote clock offset: 28.61 ms

# Below is generated by plot.py at 2018-05-24 17:35:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 74.437 ms
Loss rate: 19.26%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 74.233 ms
Loss rate: 17.02%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 74.372 ms
Loss rate: 21.49%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 81.964 ms
Loss rate: 26.09%
```

Run 8: Report of FillP — Data Link

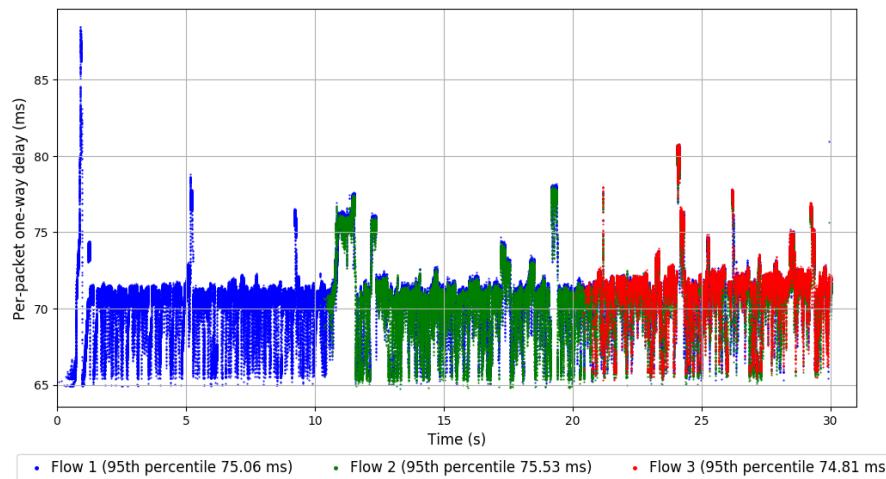
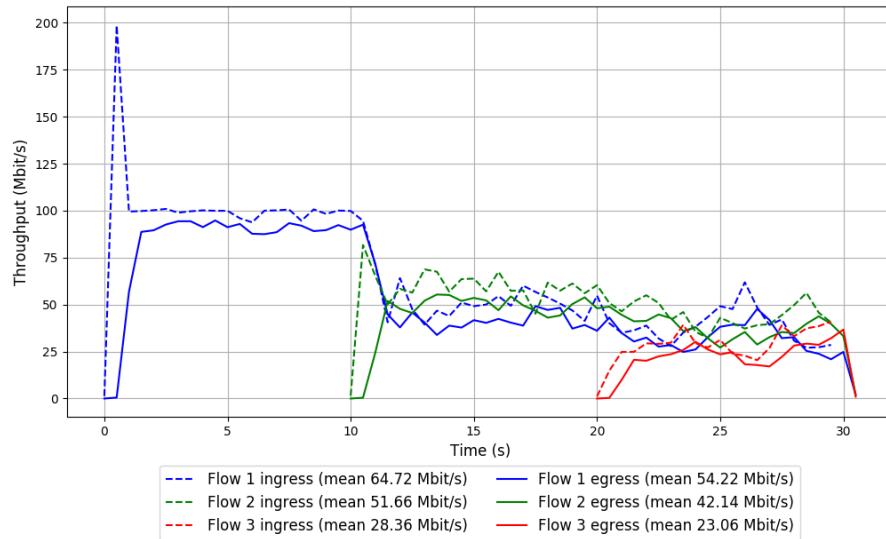


Run 9: Statistics of FillP

```
Start at: 2018-05-24 16:47:00
End at: 2018-05-24 16:47:30
Local clock offset: 4.444 ms
Remote clock offset: -1.04 ms

# Below is generated by plot.py at 2018-05-24 17:36:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 75.345 ms
Loss rate: 17.13%
-- Flow 1:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 75.059 ms
Loss rate: 16.21%
-- Flow 2:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 75.530 ms
Loss rate: 18.43%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 74.814 ms
Loss rate: 18.66%
```

Run 9: Report of FillP — Data Link

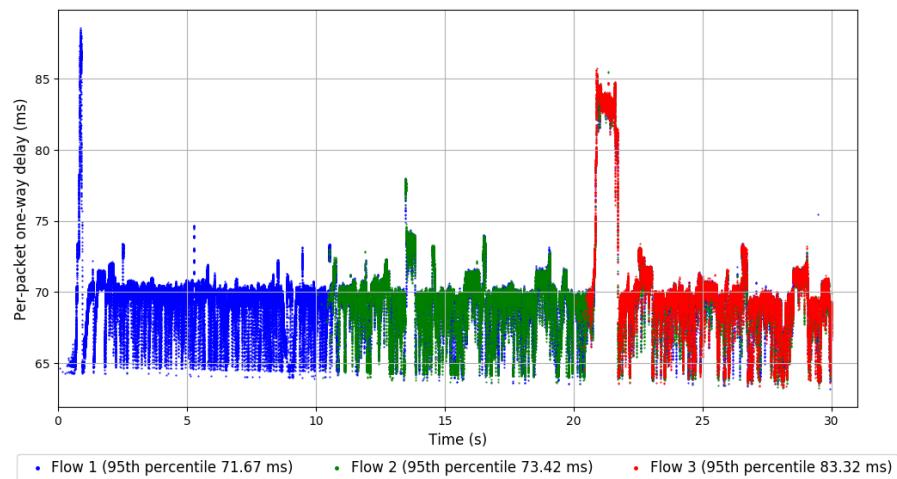
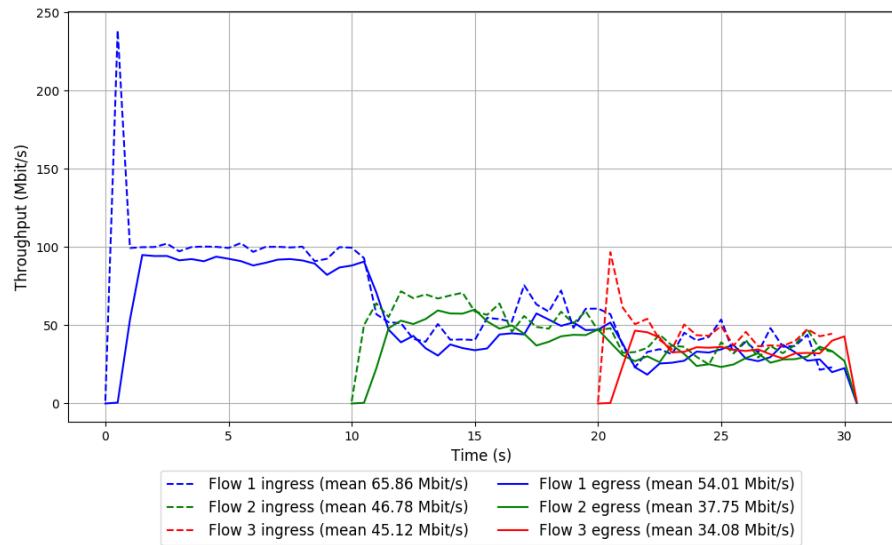


Run 10: Statistics of FillP

```
Start at: 2018-05-24 17:08:31
End at: 2018-05-24 17:09:01
Local clock offset: 1.224 ms
Remote clock offset: 13.735 ms

# Below is generated by plot.py at 2018-05-24 17:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 19.22%
-- Flow 1:
Average throughput: 54.01 Mbit/s
95th percentile per-packet one-way delay: 71.674 ms
Loss rate: 17.99%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 73.415 ms
Loss rate: 19.31%
-- Flow 3:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 83.324 ms
Loss rate: 24.46%
```

Run 10: Report of FillP — Data Link

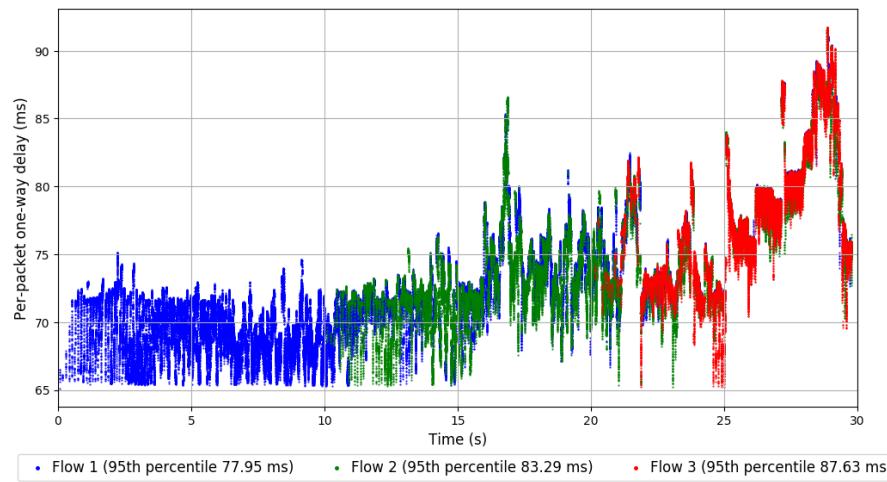
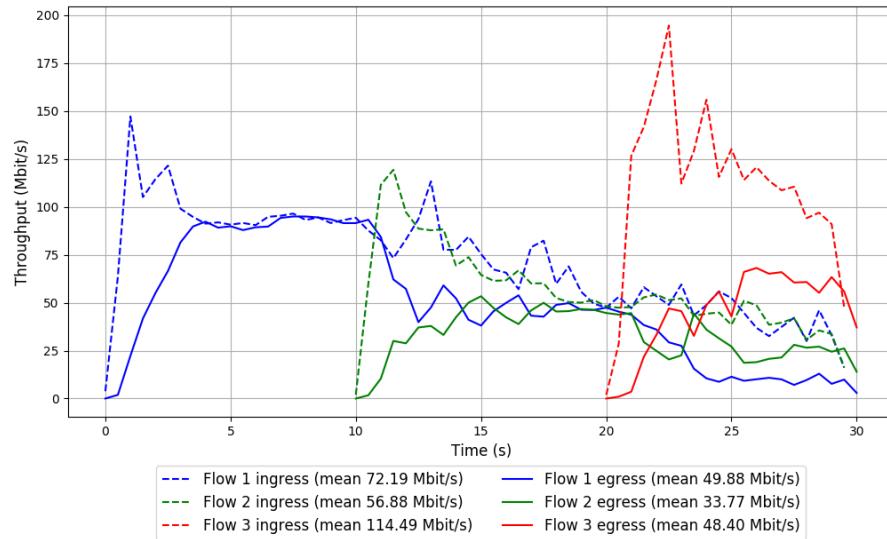


Run 1: Statistics of Indigo

```
Start at: 2018-05-24 14:08:12
End at: 2018-05-24 14:08:42
Local clock offset: 1.359 ms
Remote clock offset: 70.118 ms

# Below is generated by plot.py at 2018-05-24 17:36:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 83.011 ms
Loss rate: 40.15%
-- Flow 1:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 77.950 ms
Loss rate: 30.89%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 83.290 ms
Loss rate: 40.62%
-- Flow 3:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 87.633 ms
Loss rate: 57.71%
```

Run 1: Report of Indigo — Data Link

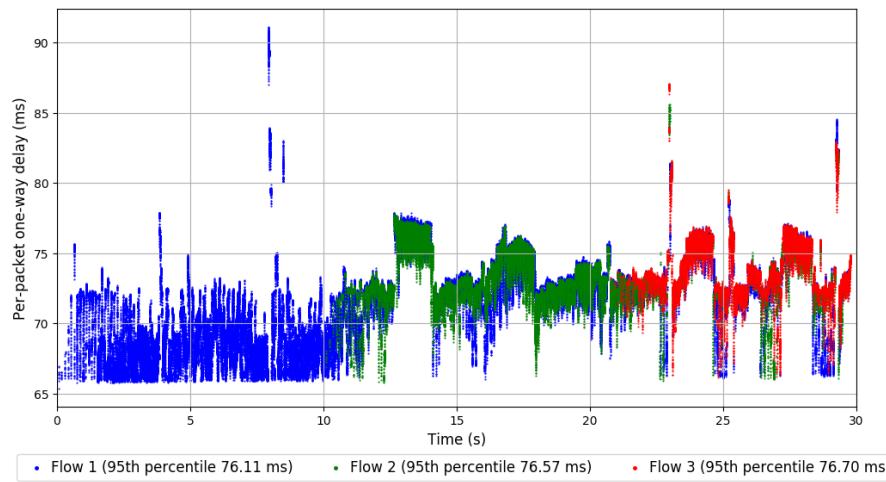
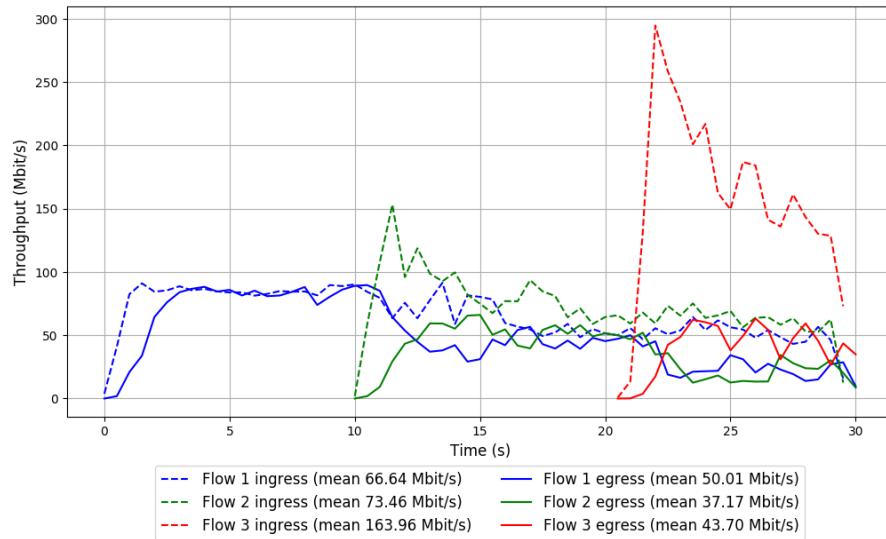


Run 2: Statistics of Indigo

```
Start at: 2018-05-24 14:29:36
End at: 2018-05-24 14:30:06
Local clock offset: 2.216 ms
Remote clock offset: 35.638 ms

# Below is generated by plot.py at 2018-05-24 17:36:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 76.444 ms
Loss rate: 46.73%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 76.112 ms
Loss rate: 24.94%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 76.568 ms
Loss rate: 49.39%
-- Flow 3:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 76.699 ms
Loss rate: 73.34%
```

Run 2: Report of Indigo — Data Link

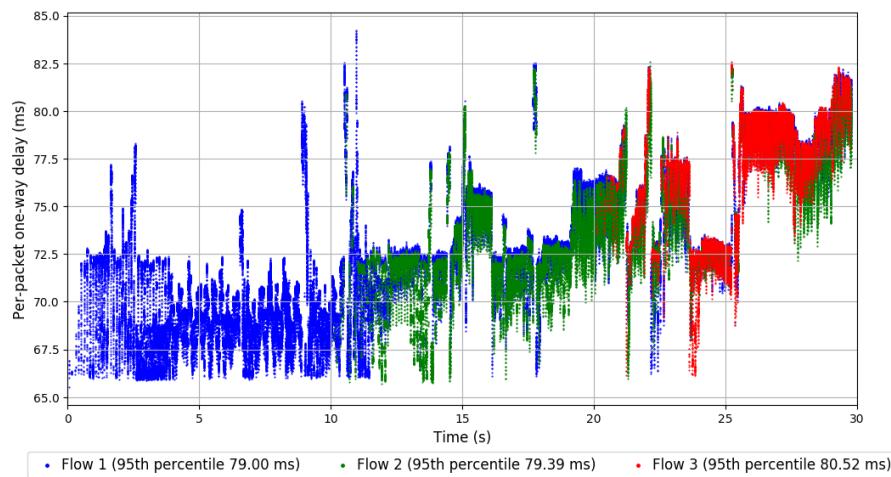
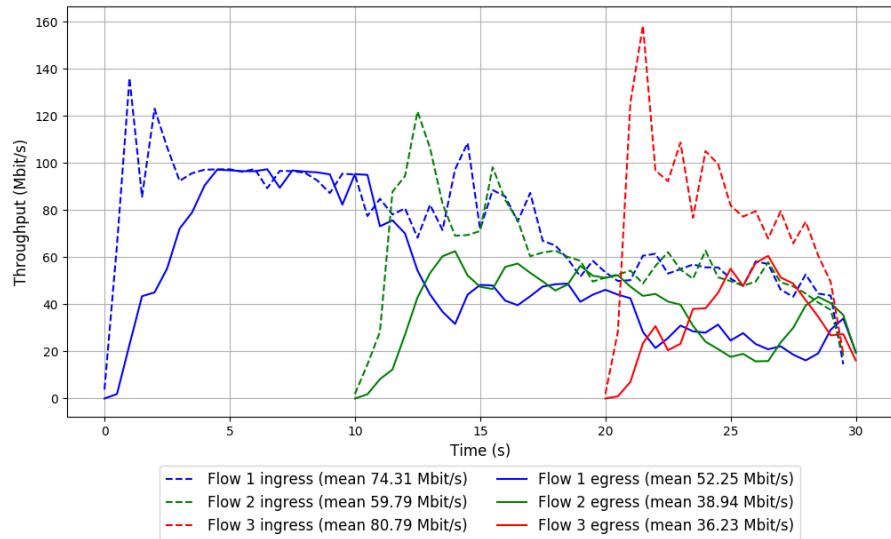


Run 3: Statistics of Indigo

```
Start at: 2018-05-24 14:51:02
End at: 2018-05-24 14:51:32
Local clock offset: 5.131 ms
Remote clock offset: 25.378 ms

# Below is generated by plot.py at 2018-05-24 17:36:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 79.592 ms
Loss rate: 35.86%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 79.005 ms
Loss rate: 29.64%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 79.395 ms
Loss rate: 34.84%
-- Flow 3:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 80.517 ms
Loss rate: 55.12%
```

Run 3: Report of Indigo — Data Link

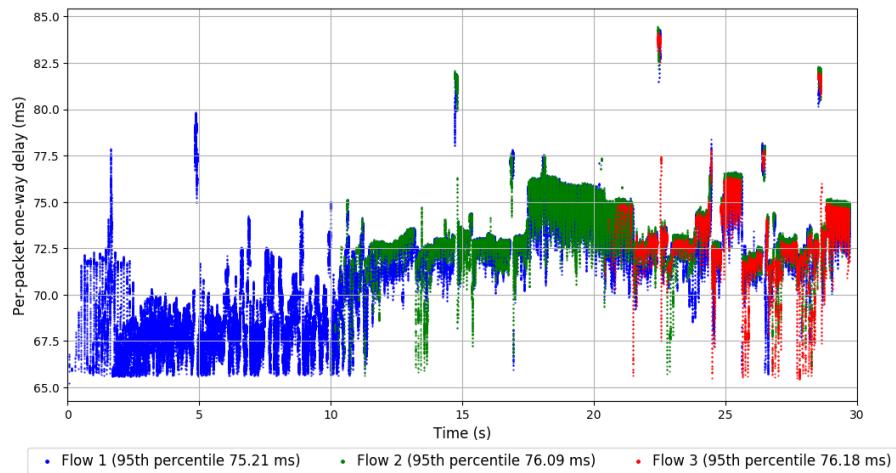
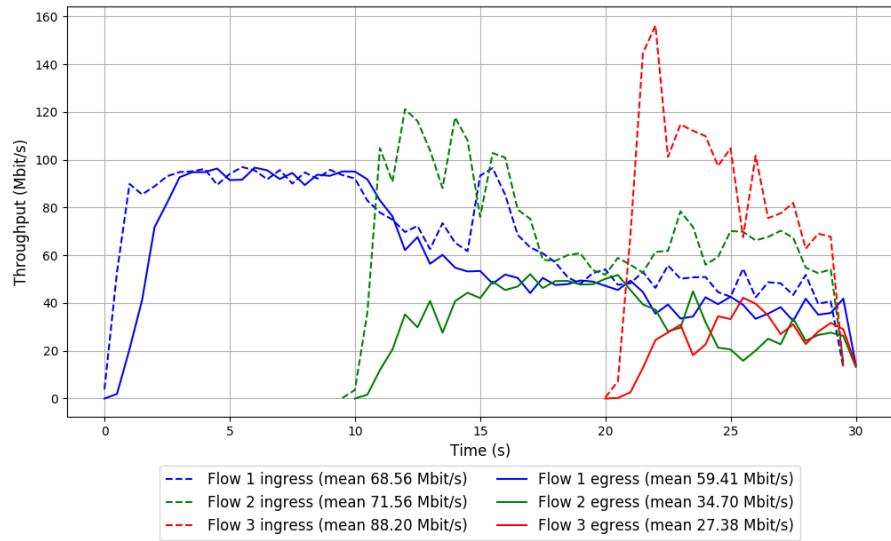


Run 4: Statistics of Indigo

```
Start at: 2018-05-24 15:12:52
End at: 2018-05-24 15:13:22
Local clock offset: 3.01 ms
Remote clock offset: 17.345 ms

# Below is generated by plot.py at 2018-05-24 17:36:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 75.734 ms
Loss rate: 36.61%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 75.209 ms
Loss rate: 13.32%
-- Flow 2:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 76.086 ms
Loss rate: 51.49%
-- Flow 3:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 76.183 ms
Loss rate: 68.95%
```

Run 4: Report of Indigo — Data Link

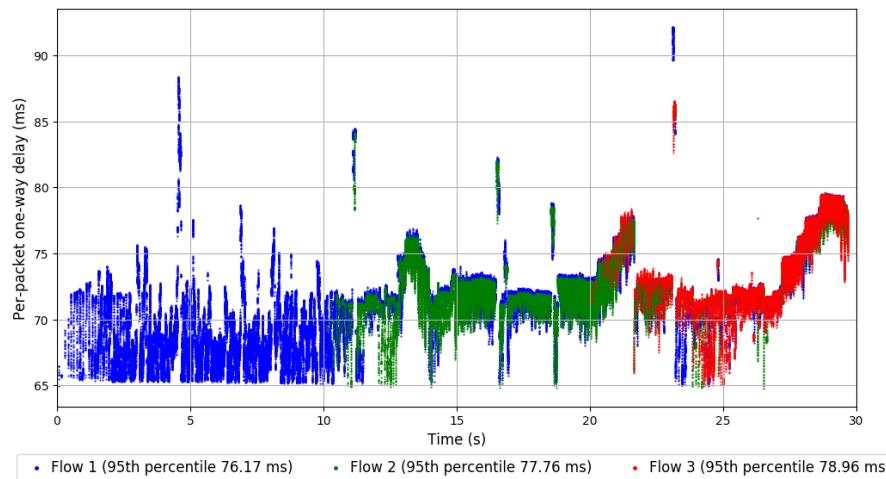
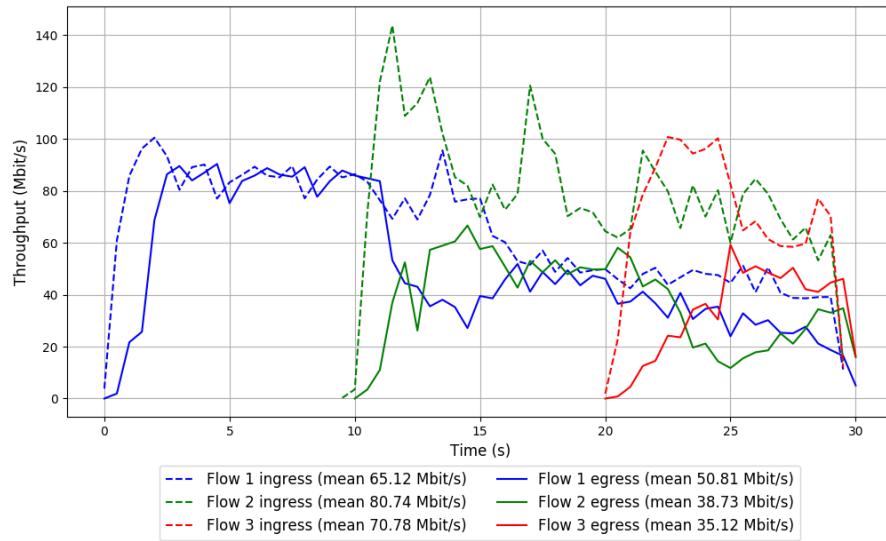


Run 5: Statistics of Indigo

```
Start at: 2018-05-24 15:34:20
End at: 2018-05-24 15:34:50
Local clock offset: 2.505 ms
Remote clock offset: 41.928 ms

# Below is generated by plot.py at 2018-05-24 17:36:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 77.684 ms
Loss rate: 37.92%
-- Flow 1:
Average throughput: 50.81 Mbit/s
95th percentile per-packet one-way delay: 76.169 ms
Loss rate: 21.93%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 77.762 ms
Loss rate: 52.00%
-- Flow 3:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 78.963 ms
Loss rate: 50.35%
```

Run 5: Report of Indigo — Data Link

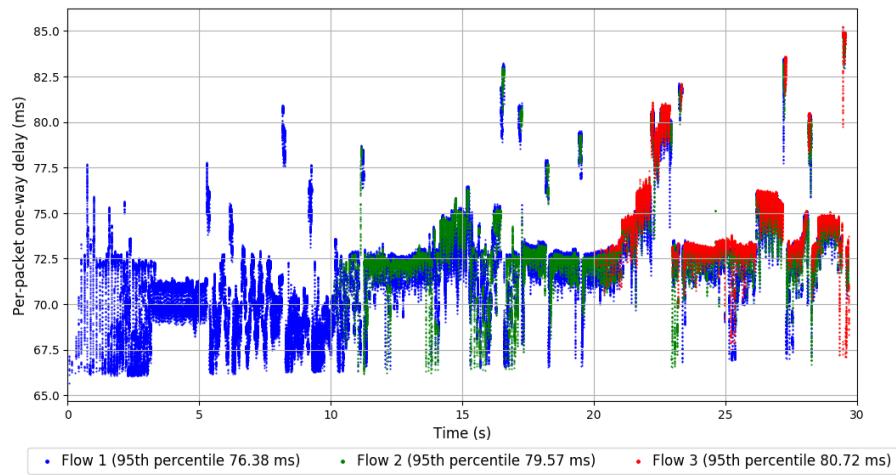
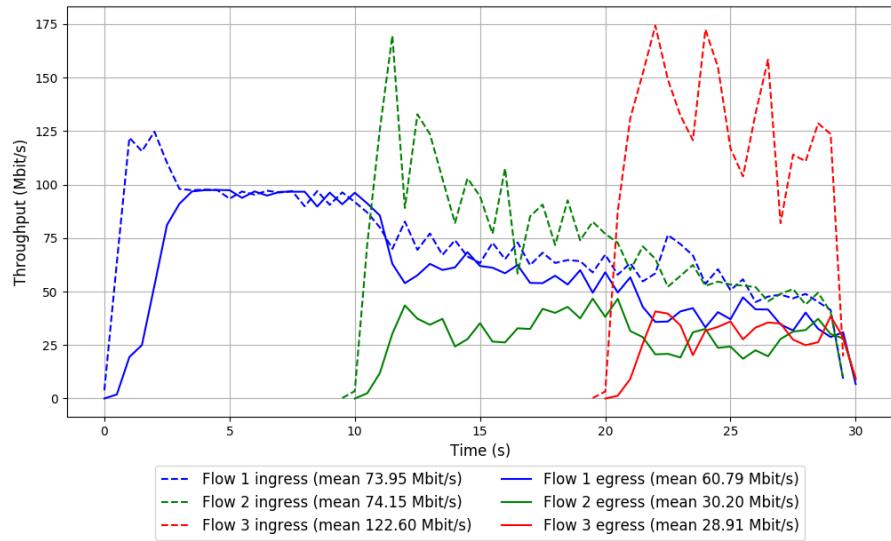


Run 6: Statistics of Indigo

```
Start at: 2018-05-24 15:55:50
End at: 2018-05-24 15:56:20
Local clock offset: 2.29 ms
Remote clock offset: 45.475 ms

# Below is generated by plot.py at 2018-05-24 17:37:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 78.862 ms
Loss rate: 44.69%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 76.379 ms
Loss rate: 17.78%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 59.27%
-- Flow 3:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 80.725 ms
Loss rate: 76.42%
```

Run 6: Report of Indigo — Data Link

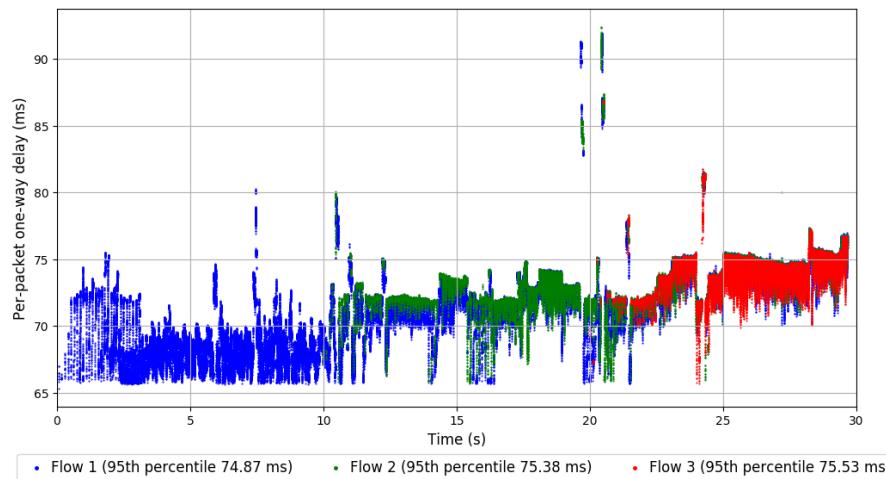
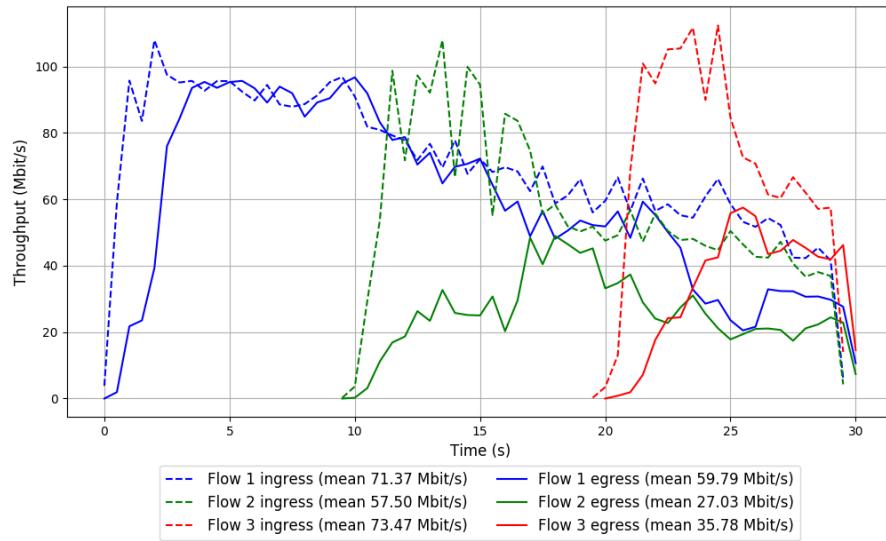


Run 7: Statistics of Indigo

```
Start at: 2018-05-24 16:17:20
End at: 2018-05-24 16:17:50
Local clock offset: 2.139 ms
Remote clock offset: 29.724 ms

# Below is generated by plot.py at 2018-05-24 17:37:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 75.172 ms
Loss rate: 33.00%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 74.867 ms
Loss rate: 16.19%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 75.379 ms
Loss rate: 52.96%
-- Flow 3:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 75.525 ms
Loss rate: 51.27%
```

Run 7: Report of Indigo — Data Link

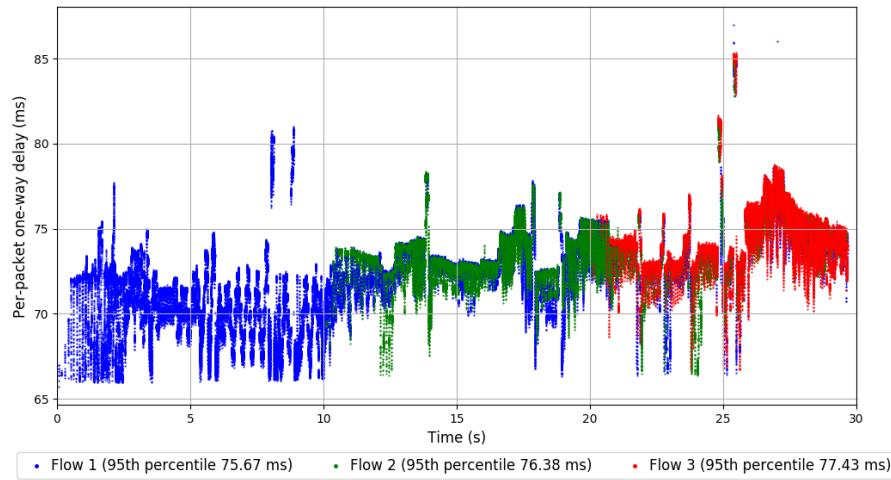
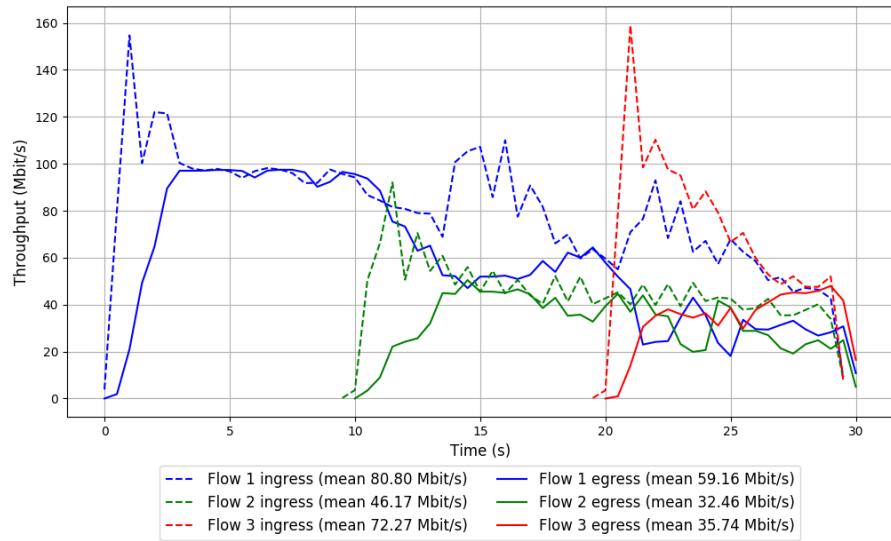


Run 8: Statistics of Indigo

```
Start at: 2018-05-24 16:38:51
End at: 2018-05-24 16:39:21
Local clock offset: 3.861 ms
Remote clock offset: 6.931 ms

# Below is generated by plot.py at 2018-05-24 17:38:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 76.227 ms
Loss rate: 31.57%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 75.675 ms
Loss rate: 26.75%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 76.381 ms
Loss rate: 29.66%
-- Flow 3:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 77.433 ms
Loss rate: 50.55%
```

Run 8: Report of Indigo — Data Link

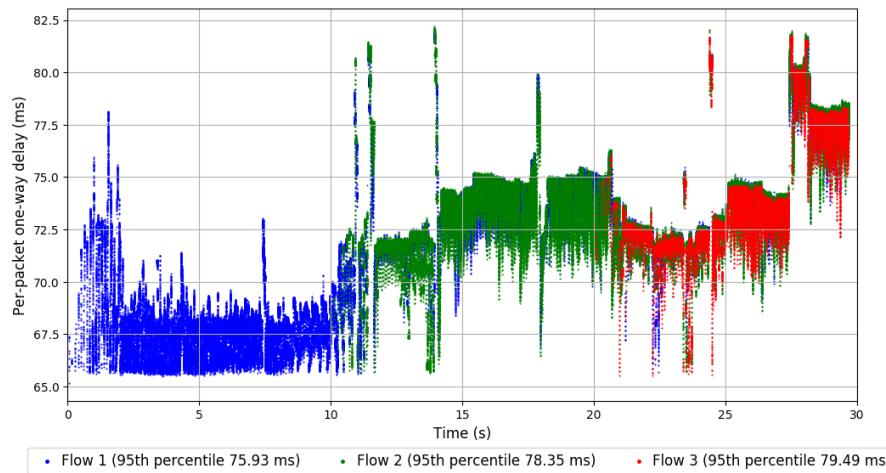
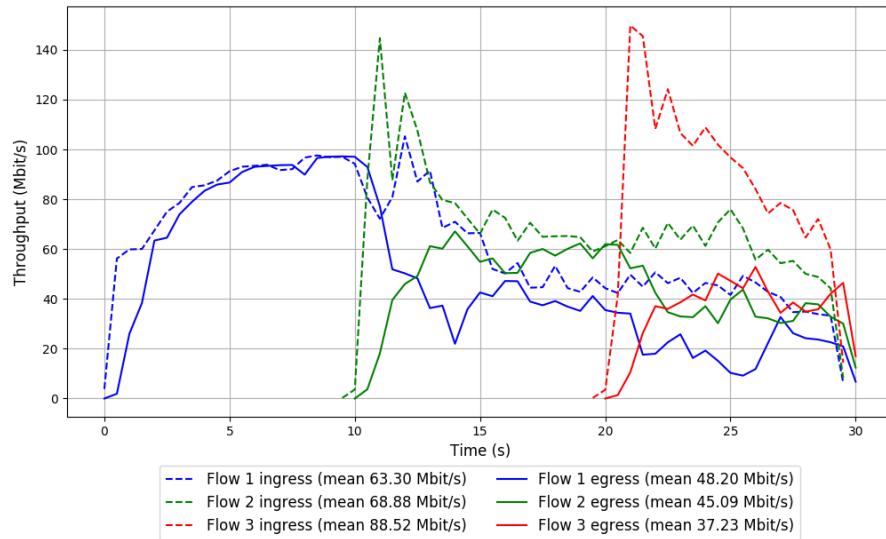


Run 9: Statistics of Indigo

```
Start at: 2018-05-24 17:00:21
End at: 2018-05-24 17:00:51
Local clock offset: 2.997 ms
Remote clock offset: -9.251 ms

# Below is generated by plot.py at 2018-05-24 17:38:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 77.921 ms
Loss rate: 34.49%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 75.932 ms
Loss rate: 23.83%
-- Flow 2:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 78.353 ms
Loss rate: 34.51%
-- Flow 3:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 79.486 ms
Loss rate: 57.91%
```

Run 9: Report of Indigo — Data Link

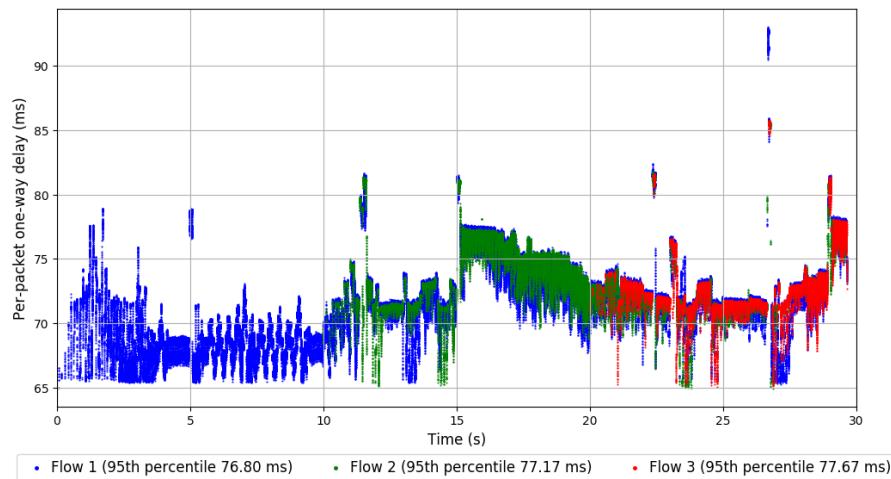
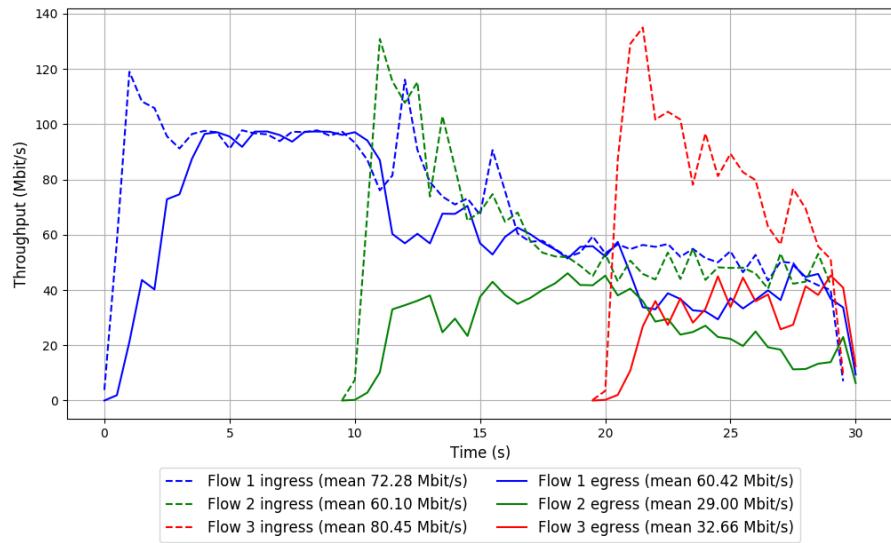


Run 10: Statistics of Indigo

```
Start at: 2018-05-24 17:23:06
End at: 2018-05-24 17:23:36
Local clock offset: 0.126 ms
Remote clock offset: 30.045 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 77.040 ms
Loss rate: 34.71%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 76.800 ms
Loss rate: 16.38%
-- Flow 2:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 77.166 ms
Loss rate: 51.72%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 77.665 ms
Loss rate: 59.40%
```

Run 10: Report of Indigo — Data Link

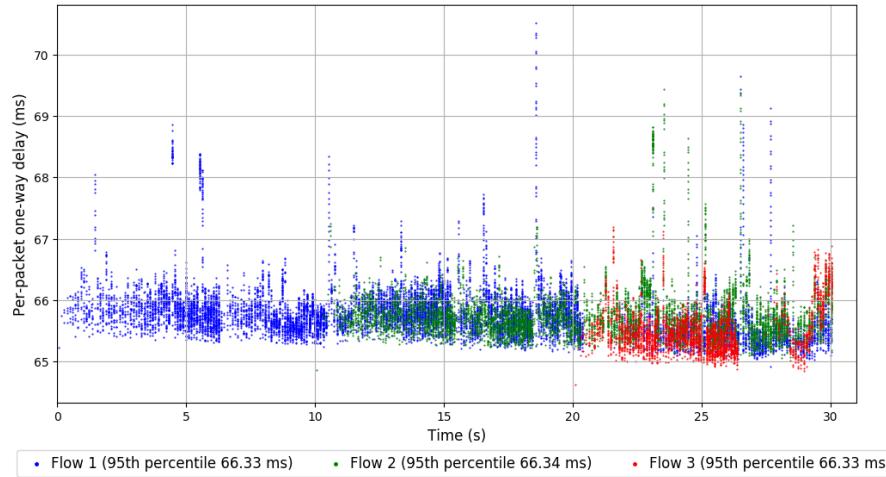
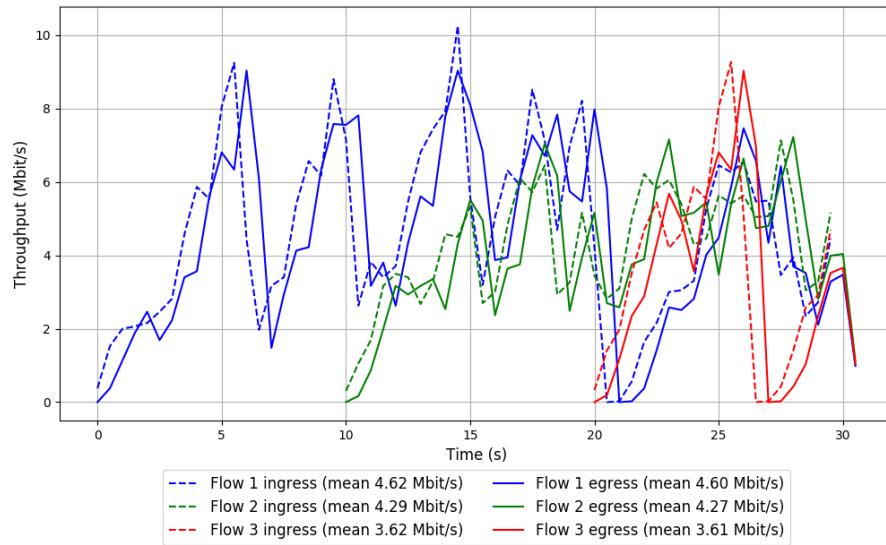


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-24 13:51:31
End at: 2018-05-24 13:52:01
Local clock offset: 2.381 ms
Remote clock offset: 58.898 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 66.335 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 66.328 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 66.340 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 66.329 ms
Loss rate: 0.16%
```

Run 1: Report of LEDBAT — Data Link

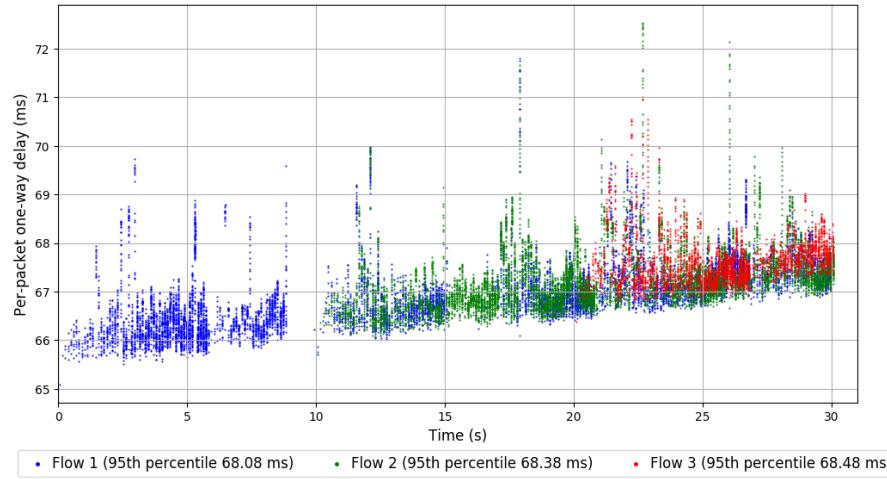
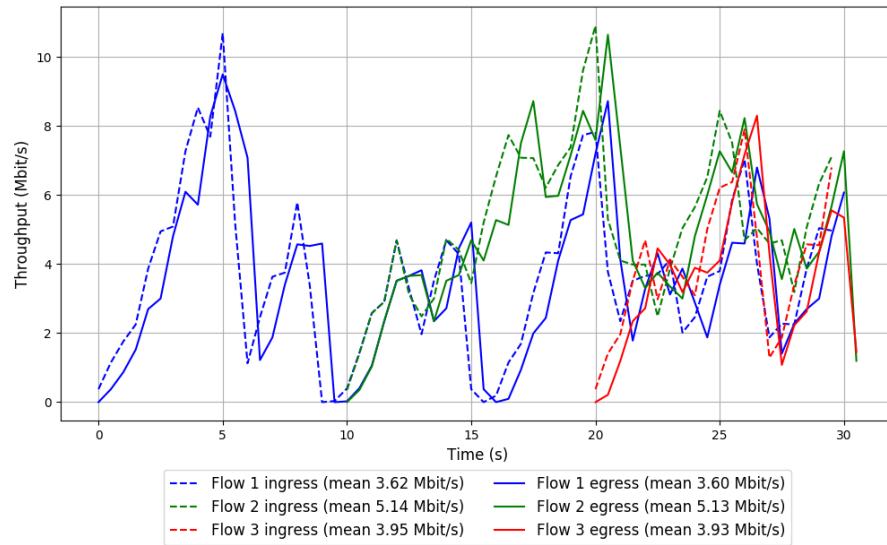


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-24 14:13:42
End at: 2018-05-24 14:14:12
Local clock offset: 1.133 ms
Remote clock offset: 60.037 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 68.328 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 68.081 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 68.380 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 68.478 ms
Loss rate: 0.63%
```

Run 2: Report of LEDBAT — Data Link

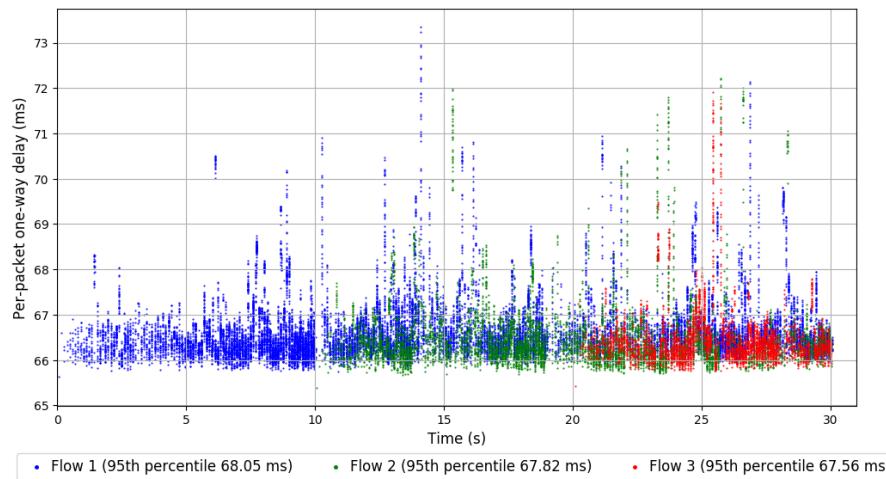
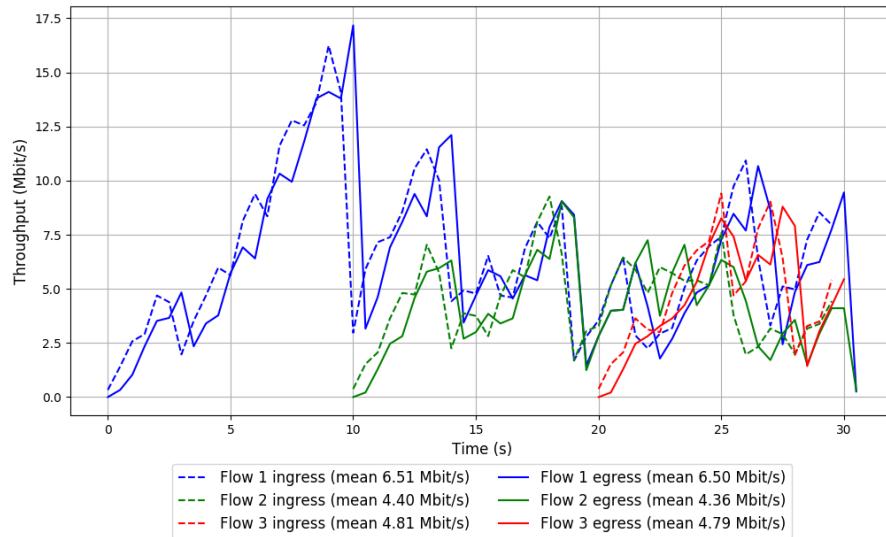


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-24 14:35:07
End at: 2018-05-24 14:35:37
Local clock offset: 3.573 ms
Remote clock offset: 32.857 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 68.047 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 67.821 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 67.564 ms
Loss rate: 0.57%
```

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

/home/ubuntu/pantheon/data/2018-05-24T13-50-AWS-Korea-to-China-10-runs-3-flows/ledbat_stats_

Run 4: Report of LEDBAT — Data Link

Figure is missing

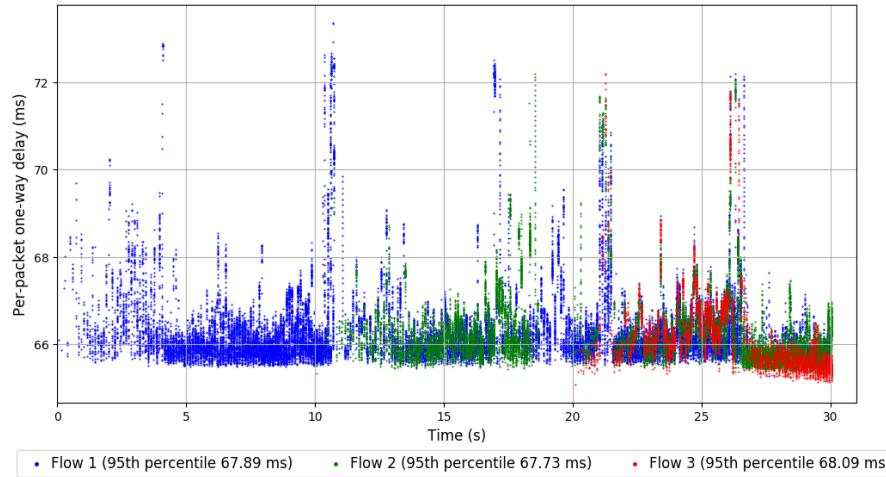
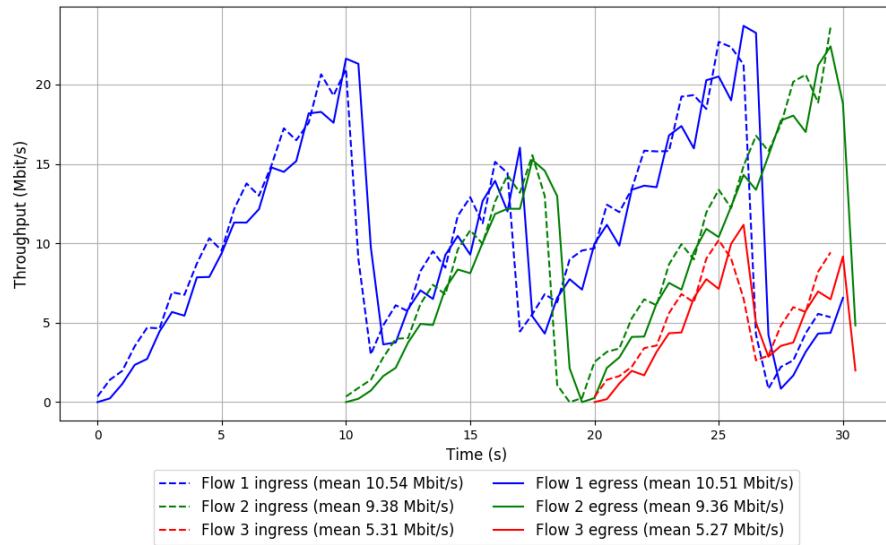
Figure is missing

Run 5: Statistics of LEDBAT

```
Start at: 2018-05-24 15:18:23
End at: 2018-05-24 15:18:53
Local clock offset: 2.918 ms
Remote clock offset: 15.796 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 67.853 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 67.731 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 0.69%
```

Run 5: Report of LEDBAT — Data Link

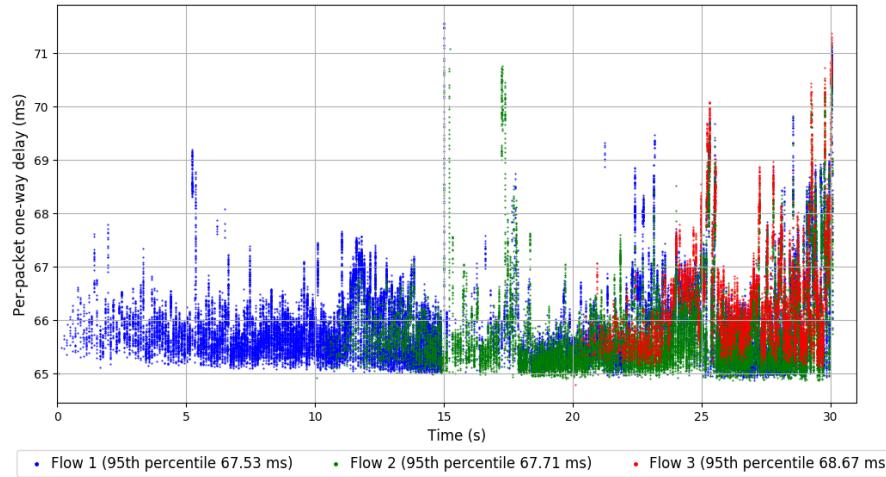
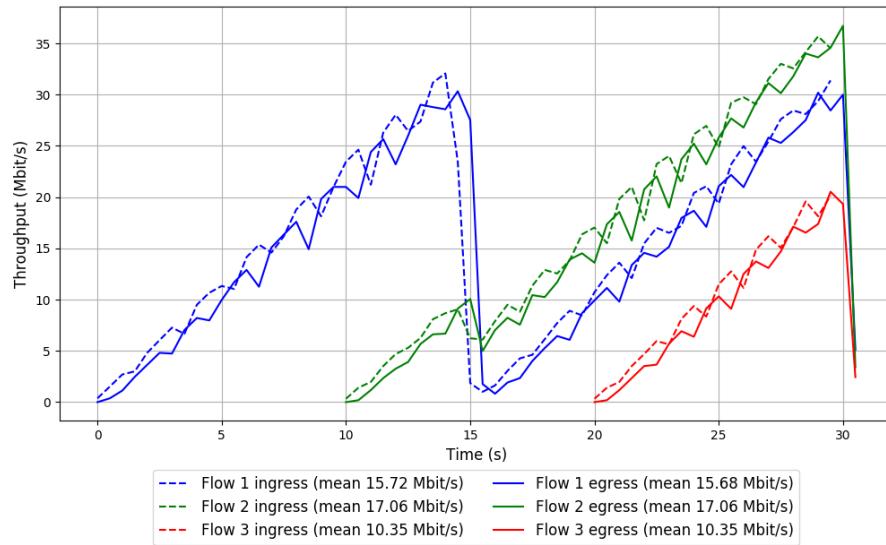


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-24 15:39:52
End at: 2018-05-24 15:40:22
Local clock offset: 2.433 ms
Remote clock offset: 45.743 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 67.821 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 67.531 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 67.710 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 68.668 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

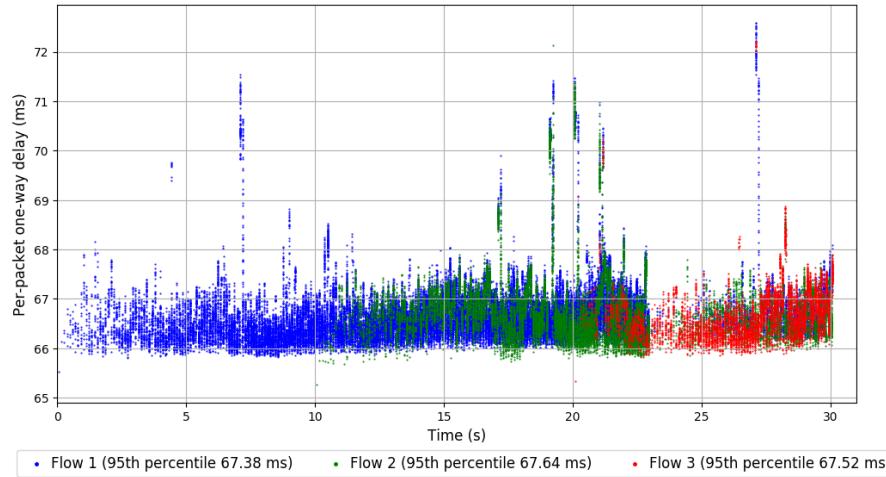
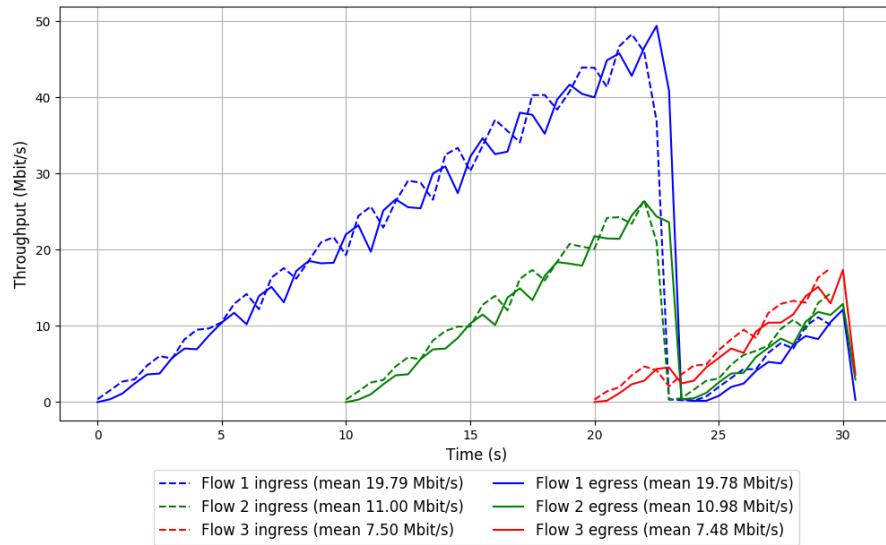


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-24 16:01:22
End at: 2018-05-24 16:01:52
Local clock offset: 2.125 ms
Remote clock offset: 37.246 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 67.463 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 67.377 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 67.640 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 67.518 ms
Loss rate: 0.17%
```

Run 7: Report of LEDBAT — Data Link

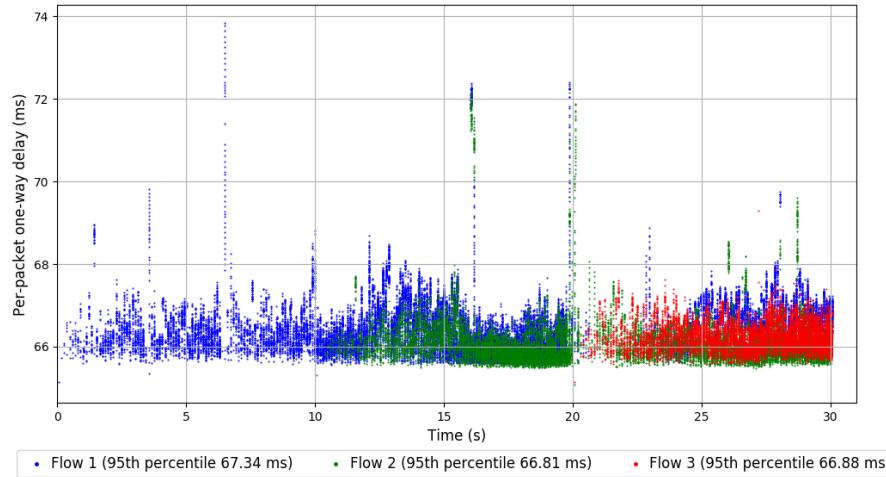
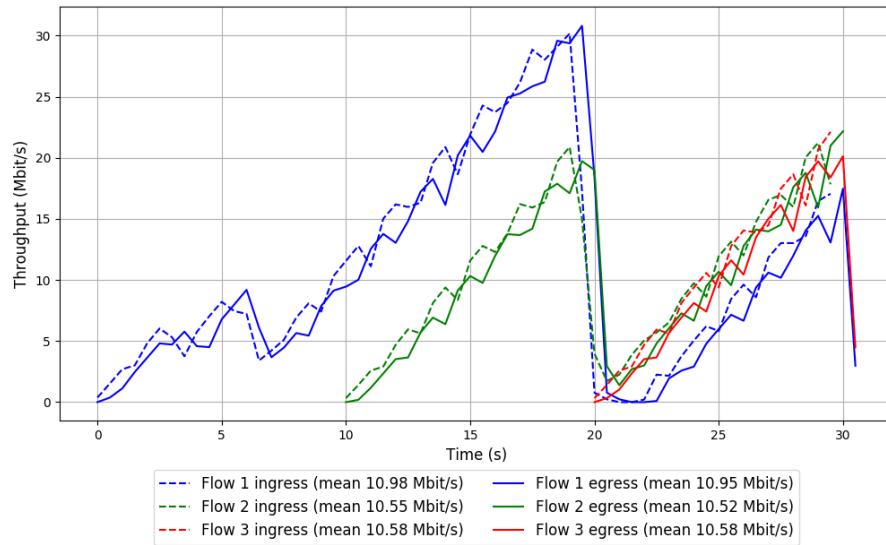


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-24 16:22:53
End at: 2018-05-24 16:23:23
Local clock offset: 1.936 ms
Remote clock offset: 29.004 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 67.339 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 66.810 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 66.875 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

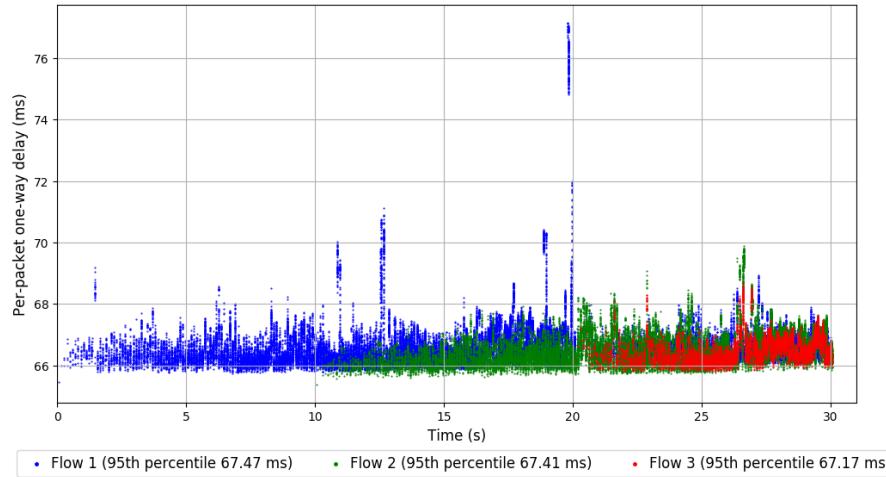
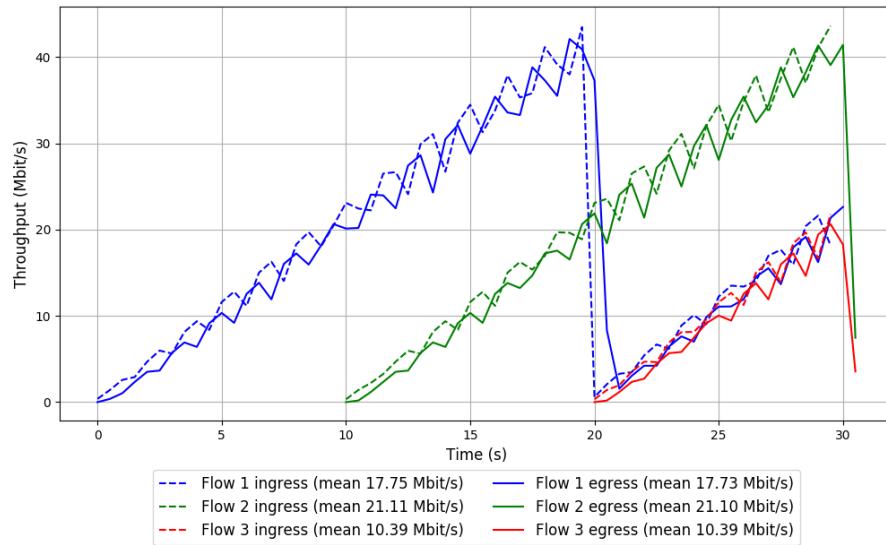


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-24 16:44:22
End at: 2018-05-24 16:44:52
Local clock offset: 4.136 ms
Remote clock offset: 1.135 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 67.474 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 67.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 67.166 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

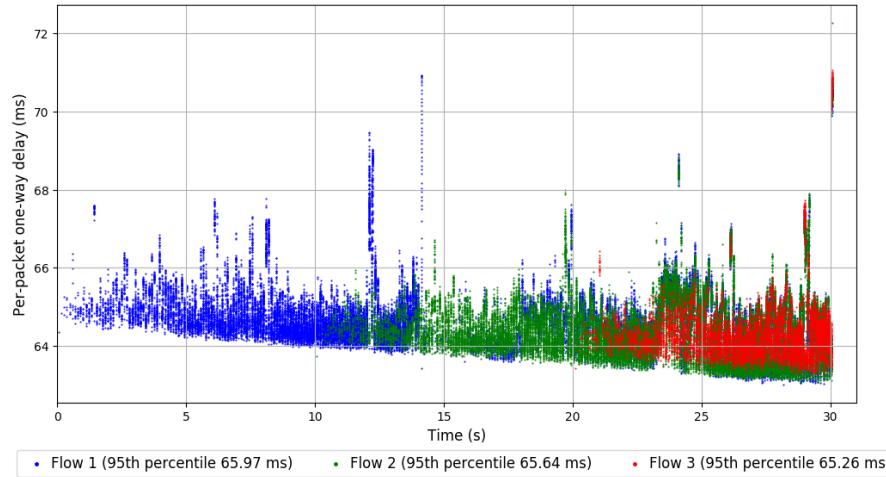
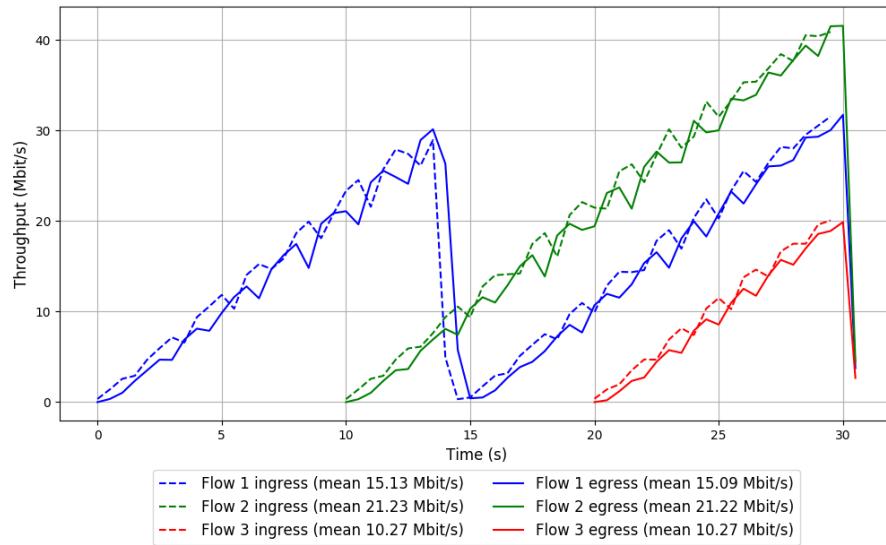


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-24 17:05:53
End at: 2018-05-24 17:06:23
Local clock offset: 1.77 ms
Remote clock offset: 7.159 ms

# Below is generated by plot.py at 2018-05-24 17:38:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 65.768 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 65.967 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 65.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 65.257 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

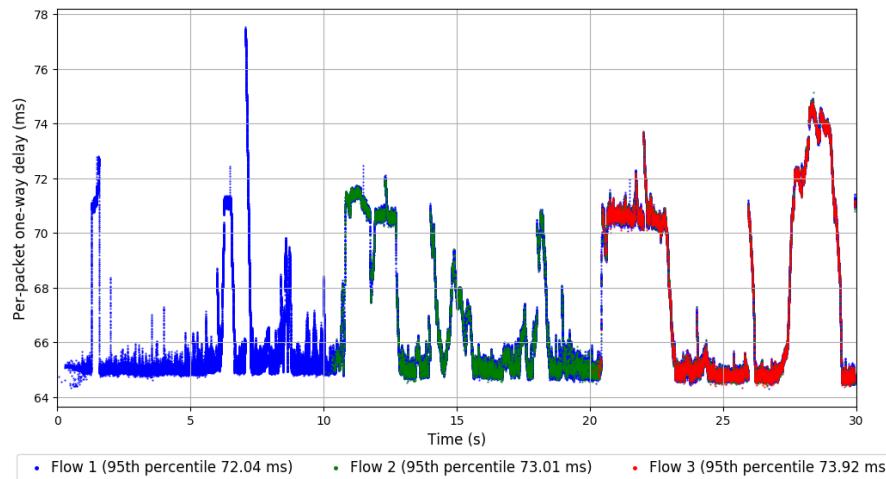
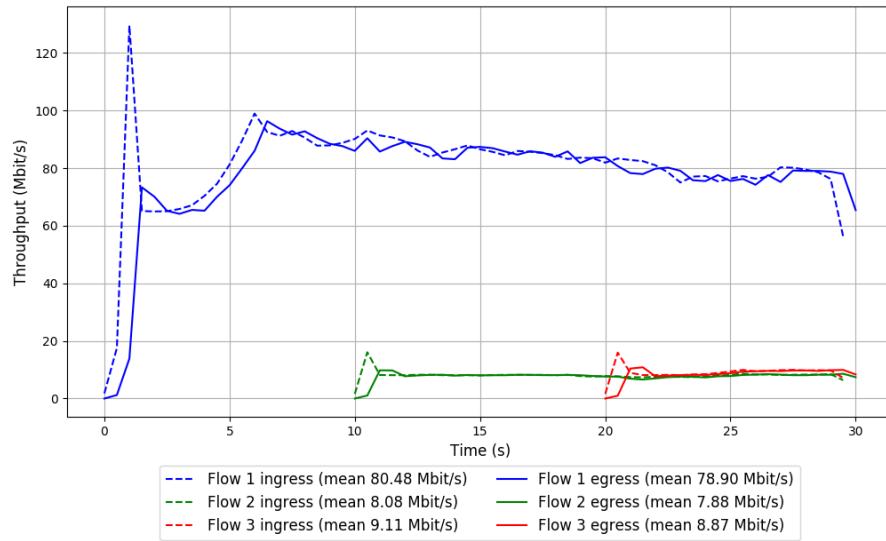


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-24 13:56:15
End at: 2018-05-24 13:56:45
Local clock offset: 2.412 ms
Remote clock offset: 62.026 ms

# Below is generated by plot.py at 2018-05-24 17:38:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 72.161 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 72.037 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 73.013 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 73.924 ms
Loss rate: 2.57%
```

Run 1: Report of PCC-Allegro — Data Link

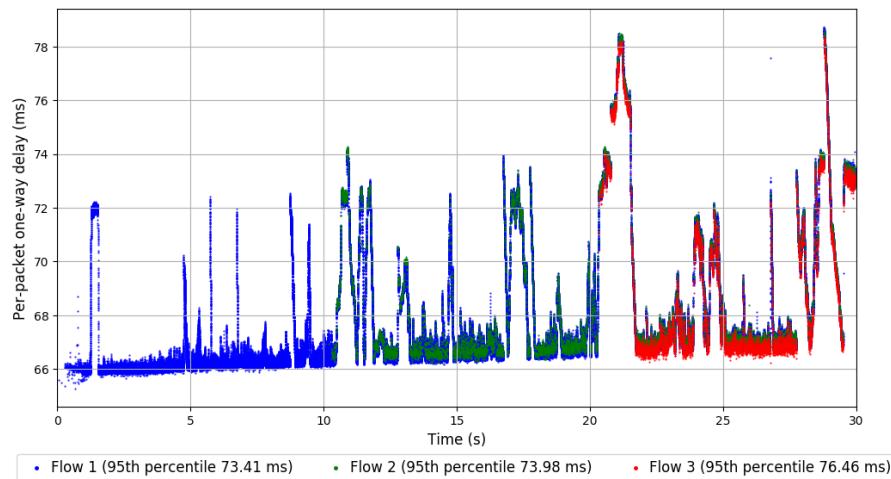
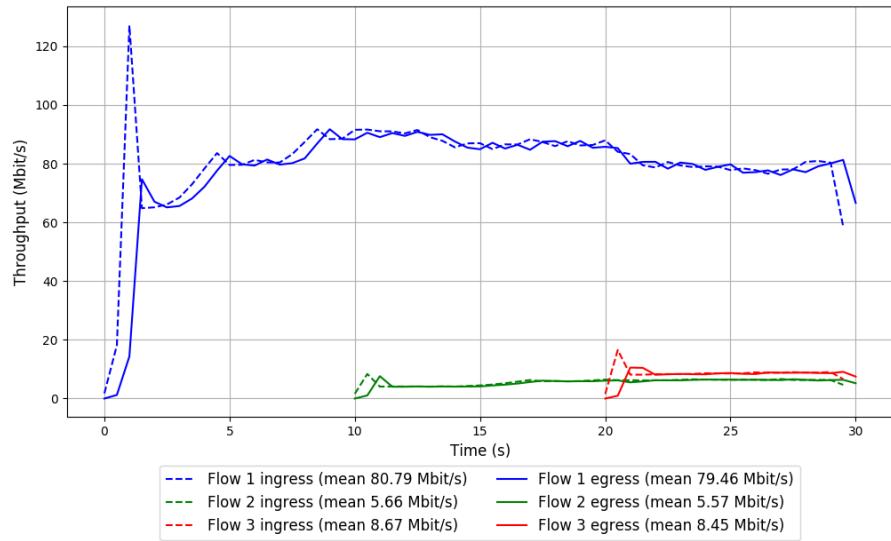


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-24 14:17:40
End at: 2018-05-24 14:18:10
Local clock offset: 0.929 ms
Remote clock offset: 49.977 ms

# Below is generated by plot.py at 2018-05-24 17:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 73.533 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: 73.414 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 73.980 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 76.460 ms
Loss rate: 2.48%
```

Run 2: Report of PCC-Allegro — Data Link

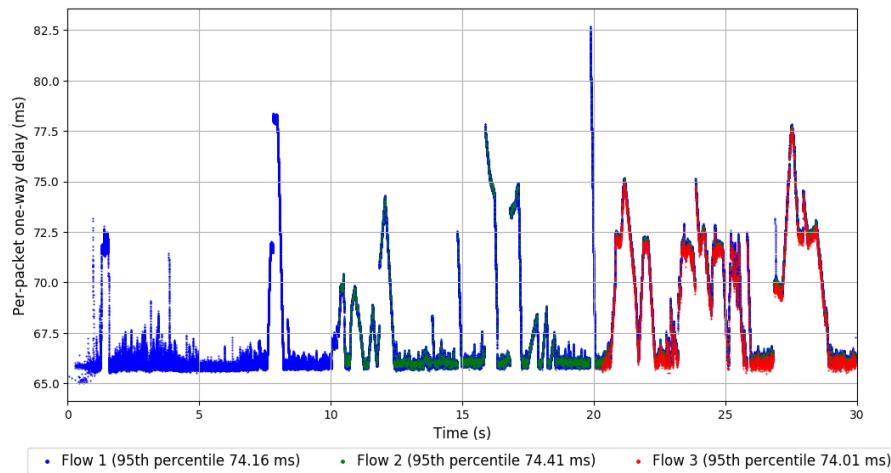
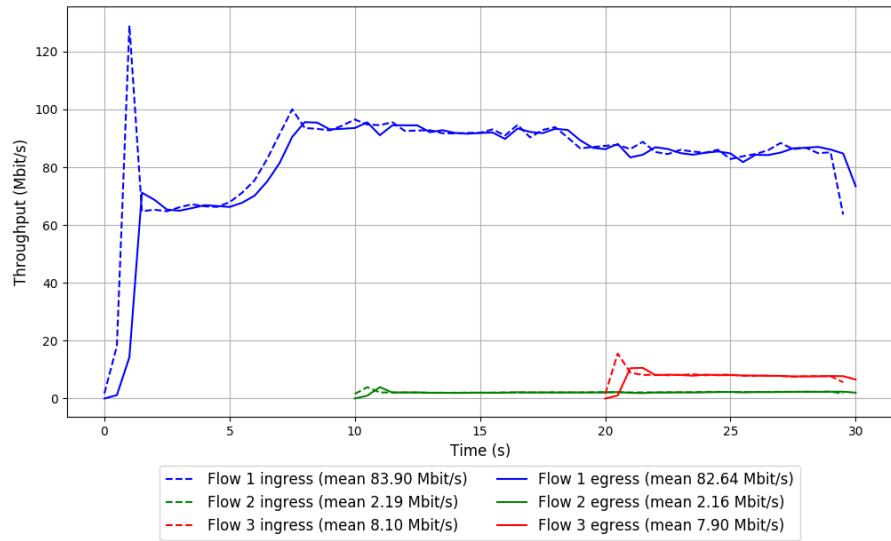


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-24 14:39:05
End at: 2018-05-24 14:39:35
Local clock offset: 4.299 ms
Remote clock offset: 31.342 ms

# Below is generated by plot.py at 2018-05-24 17:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 74.160 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 74.159 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 74.410 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 74.012 ms
Loss rate: 2.40%
```

Run 3: Report of PCC-Allegro — Data Link

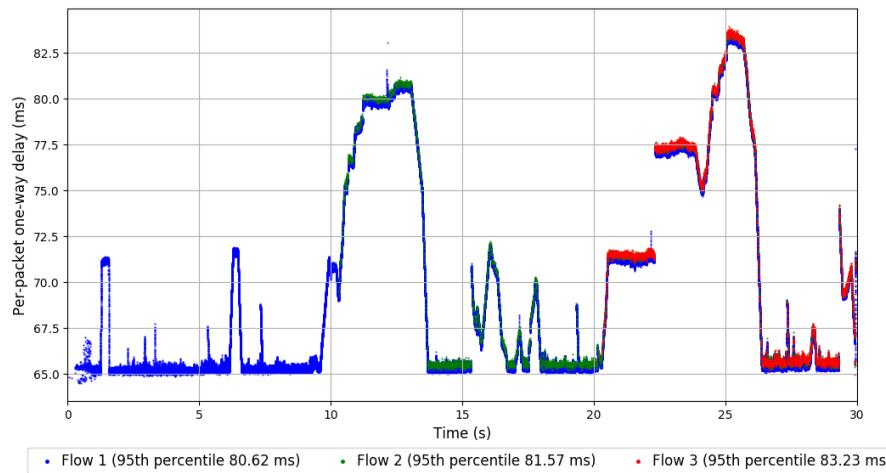
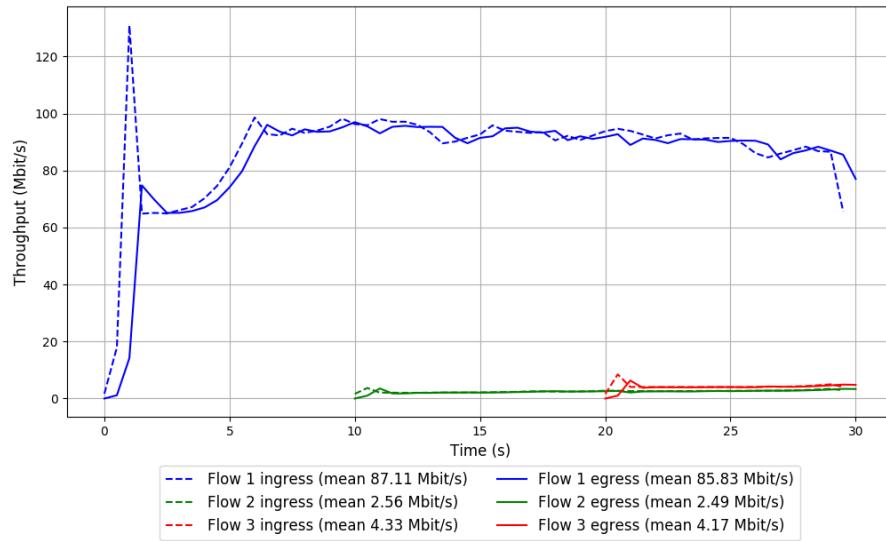


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-24 15:00:54
End at: 2018-05-24 15:01:24
Local clock offset: 4.382 ms
Remote clock offset: 20.969 ms

# Below is generated by plot.py at 2018-05-24 17:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 80.644 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 80.623 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 81.571 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 83.227 ms
Loss rate: 3.52%
```

Run 4: Report of PCC-Allegro — Data Link

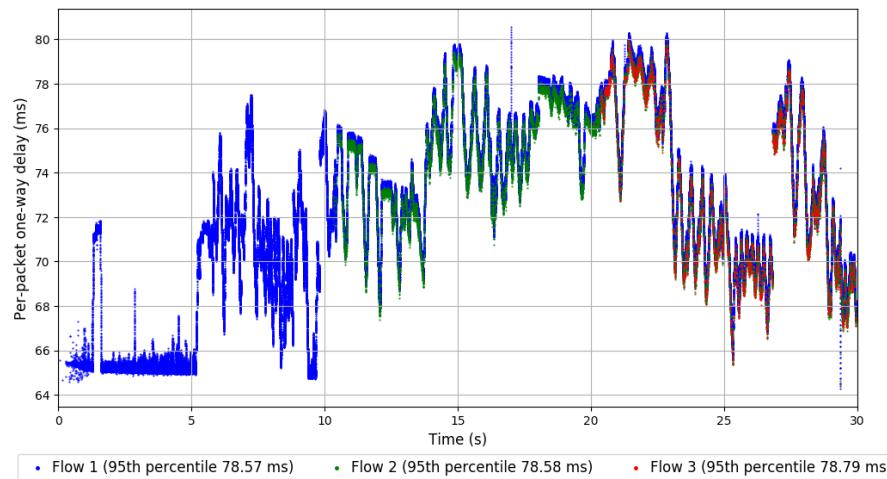
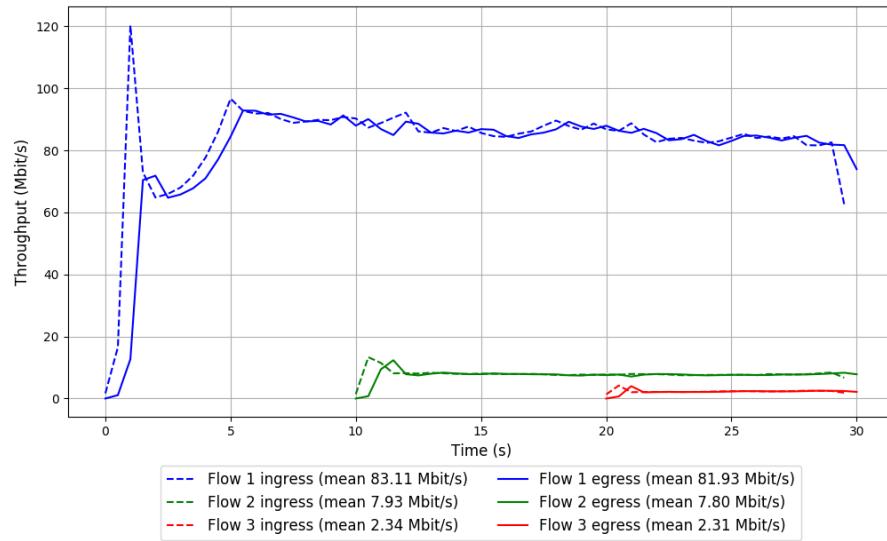


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-24 15:22:22
End at: 2018-05-24 15:22:52
Local clock offset: 2.582 ms
Remote clock offset: 24.962 ms

# Below is generated by plot.py at 2018-05-24 17:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 78.572 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 78.566 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 78.580 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 78.790 ms
Loss rate: 1.40%
```

Run 5: Report of PCC-Allegro — Data Link

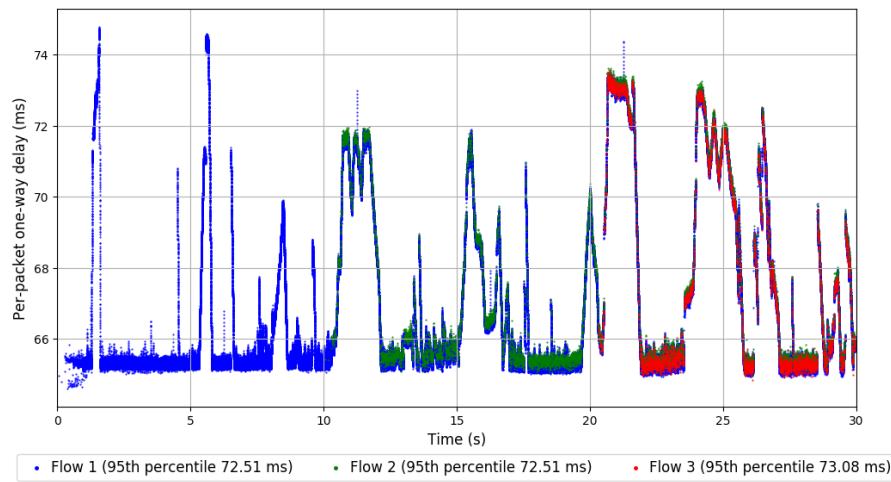
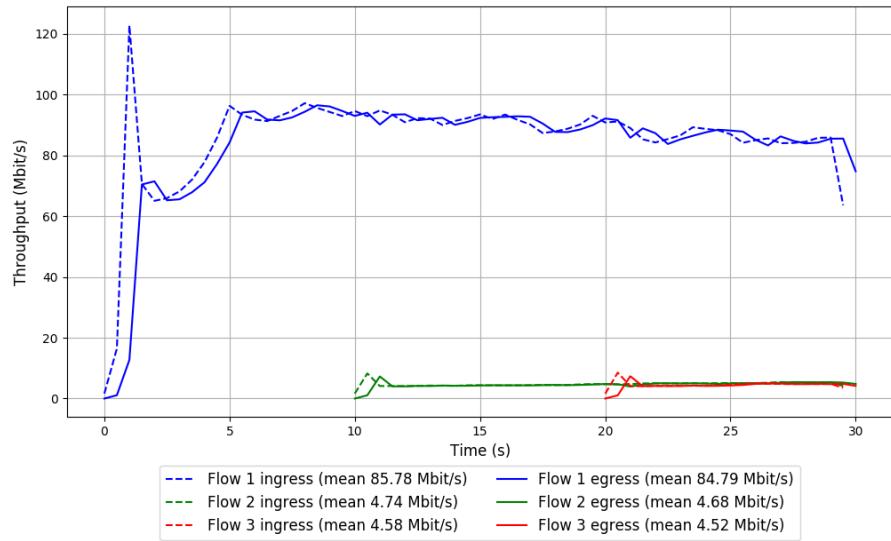


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-24 15:43:51
End at: 2018-05-24 15:44:21
Local clock offset: 2.383 ms
Remote clock offset: 47.721 ms

# Below is generated by plot.py at 2018-05-24 17:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 72.585 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 72.509 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 4.68 Mbit/s
95th percentile per-packet one-way delay: 72.508 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 73.076 ms
Loss rate: 1.43%
```

Run 6: Report of PCC-Allegro — Data Link

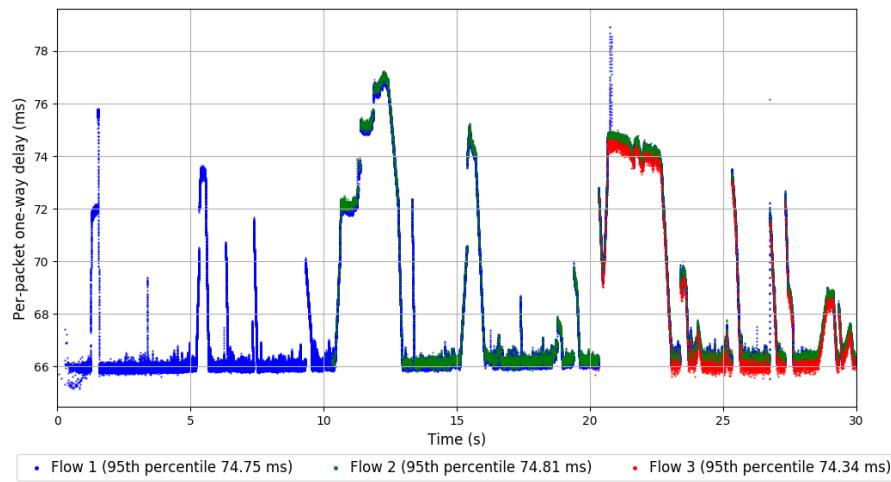
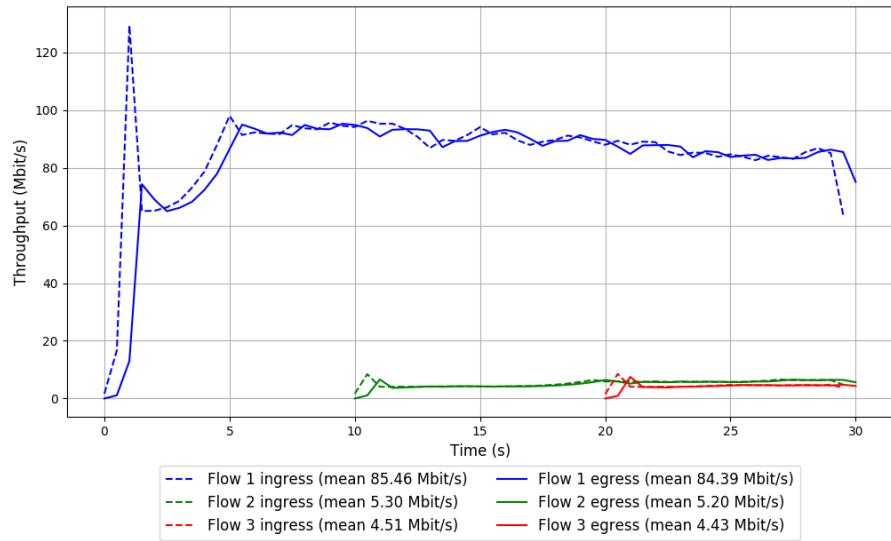


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:05:22
End at: 2018-05-24 16:05:52
Local clock offset: 2.221 ms
Remote clock offset: 34.178 ms

# Below is generated by plot.py at 2018-05-24 17:39:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 74.738 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 74.754 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 74.810 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 74.339 ms
Loss rate: 1.74%
```

Run 7: Report of PCC-Allegro — Data Link

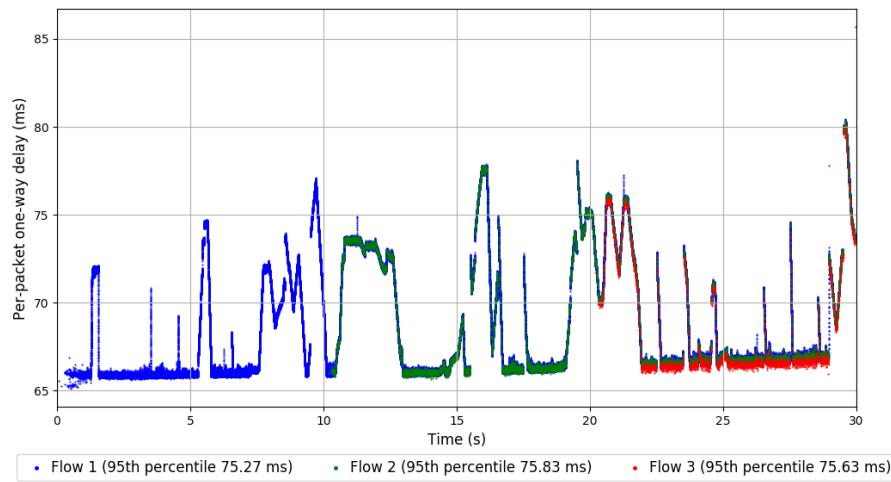
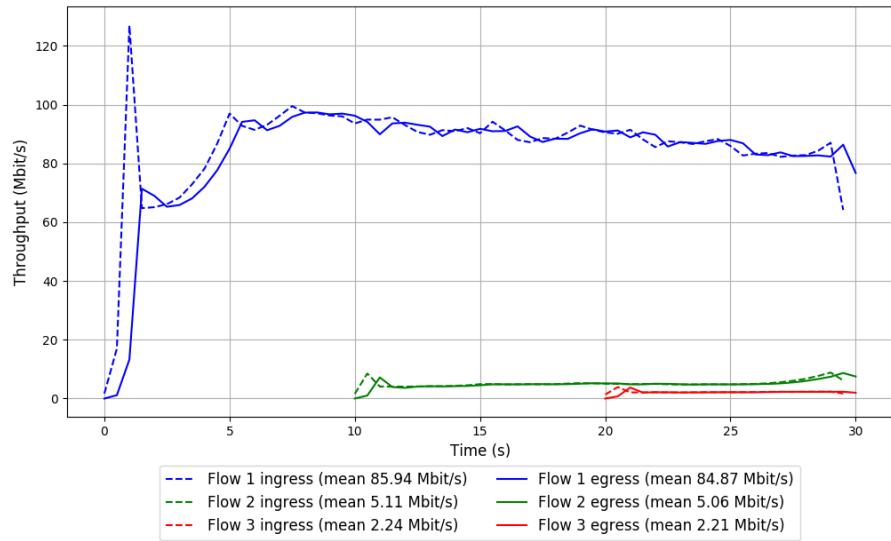


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:26:52
End at: 2018-05-24 16:27:22
Local clock offset: 2.336 ms
Remote clock offset: 28.635 ms

# Below is generated by plot.py at 2018-05-24 17:39:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 75.307 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 75.270 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 75.828 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 75.628 ms
Loss rate: 1.34%
```

Run 8: Report of PCC-Allegro — Data Link

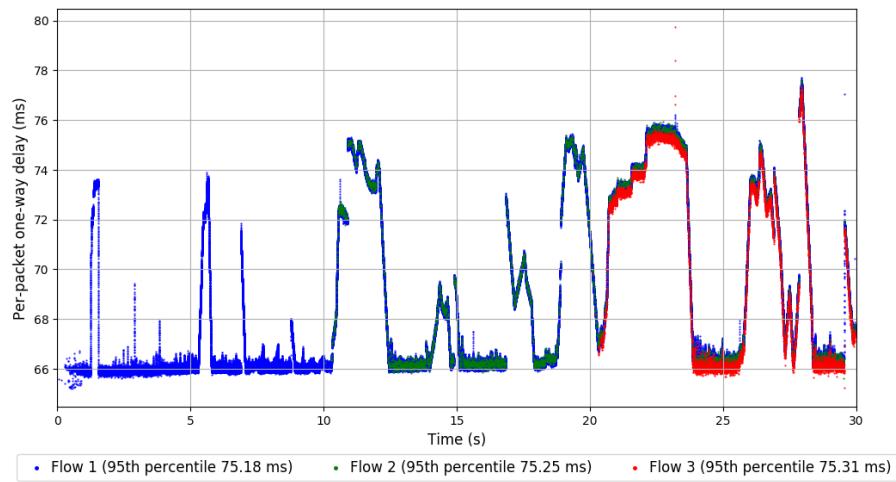
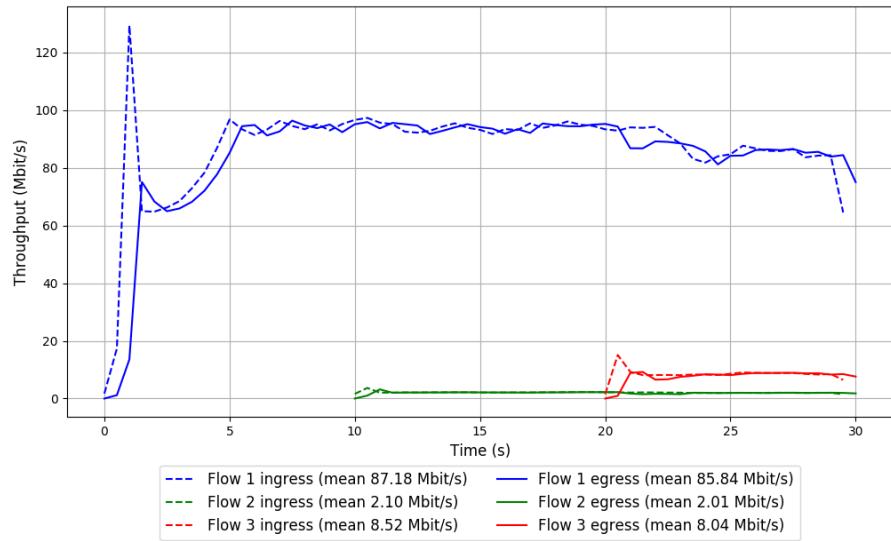


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-24 16:48:22
End at: 2018-05-24 16:48:52
Local clock offset: 4.377 ms
Remote clock offset: -1.897 ms

# Below is generated by plot.py at 2018-05-24 17:39:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 75.204 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 75.183 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 75.248 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 75.315 ms
Loss rate: 5.74%
```

Run 9: Report of PCC-Allegro — Data Link

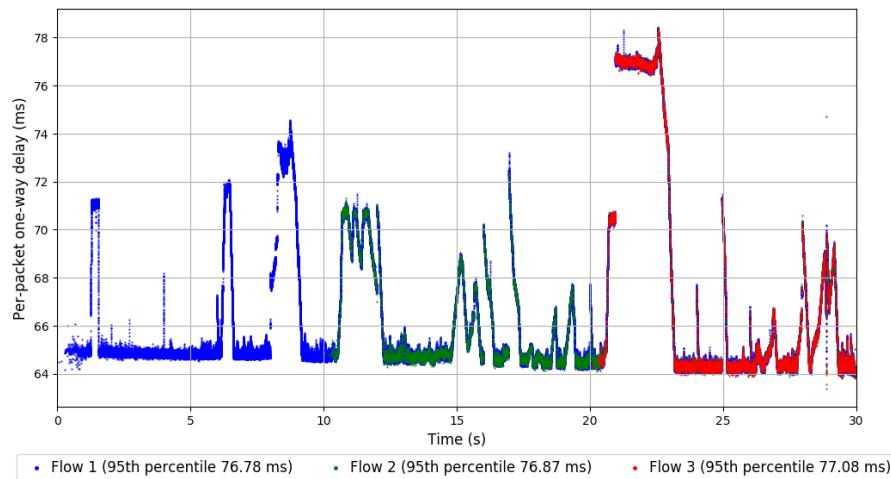
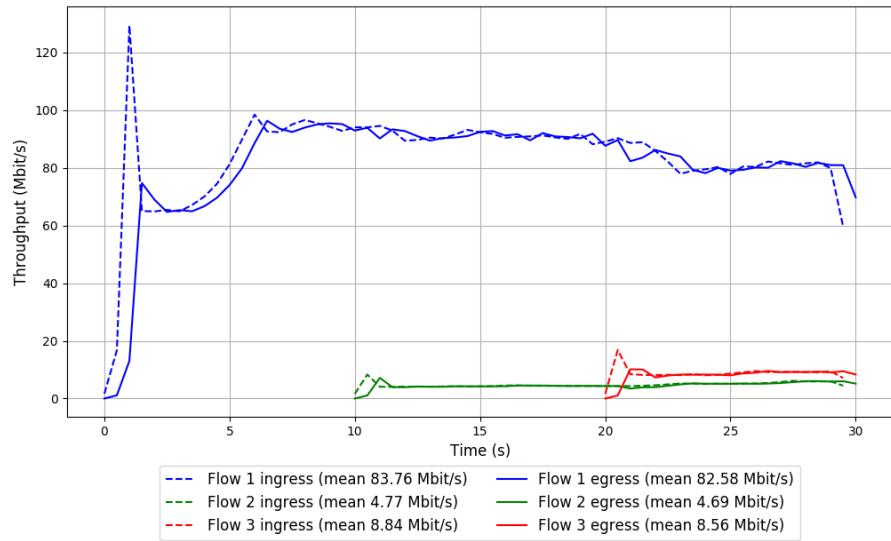


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-24 17:09:53
End at: 2018-05-24 17:10:23
Local clock offset: 1.156 ms
Remote clock offset: 16.523 ms

# Below is generated by plot.py at 2018-05-24 17:39:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 76.818 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 76.778 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 76.868 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 77.081 ms
Loss rate: 3.08%
```

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

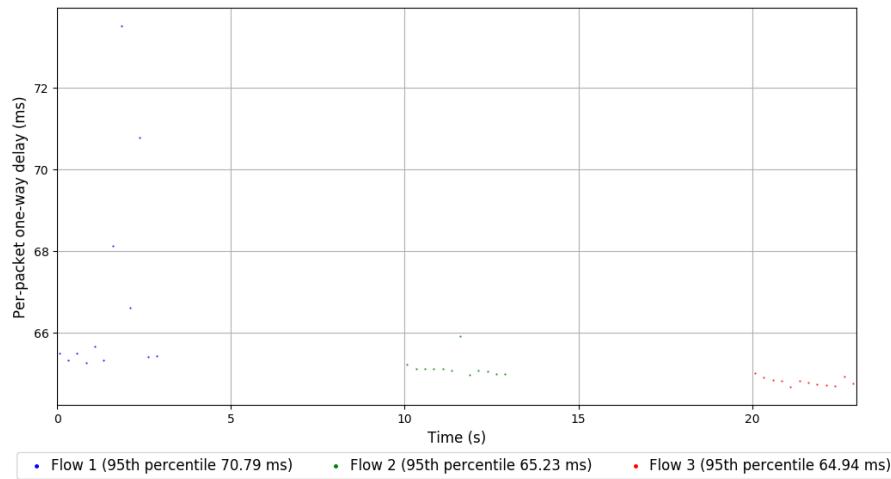
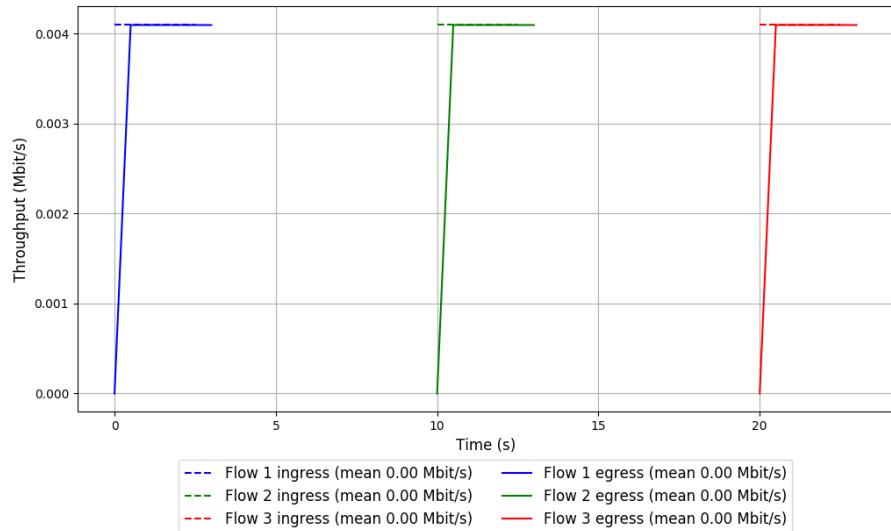
Start at: 2018-05-24 14:00:15

End at: 2018-05-24 14:00:45

Local clock offset: 1.733 ms

Remote clock offset: 65.113 ms

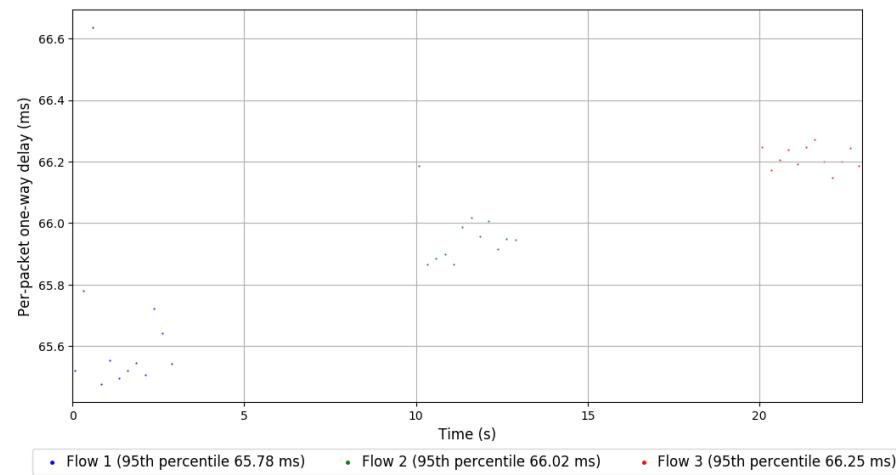
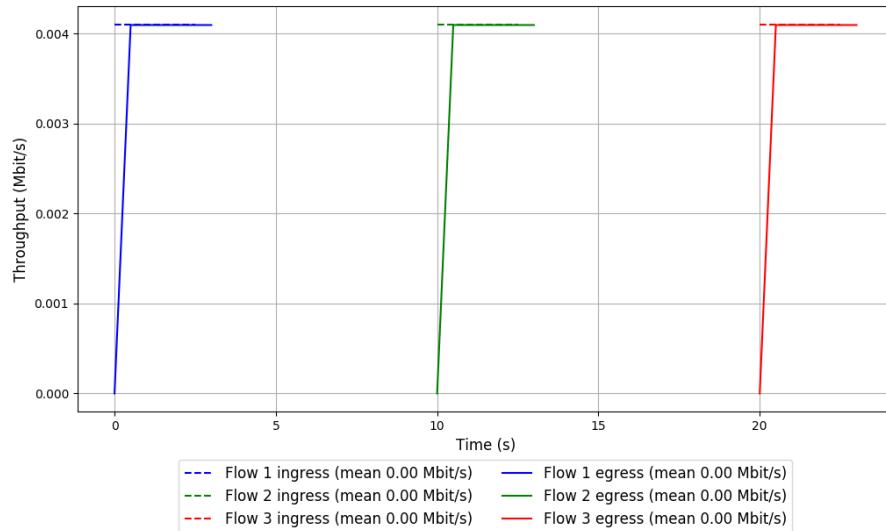
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 14:21:39
End at: 2018-05-24 14:22:09
Local clock offset: 0.74 ms
Remote clock offset: 43.522 ms

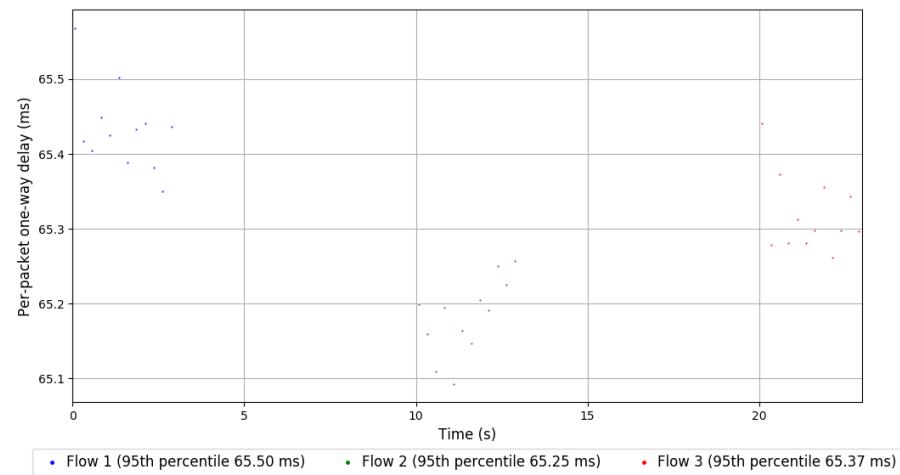
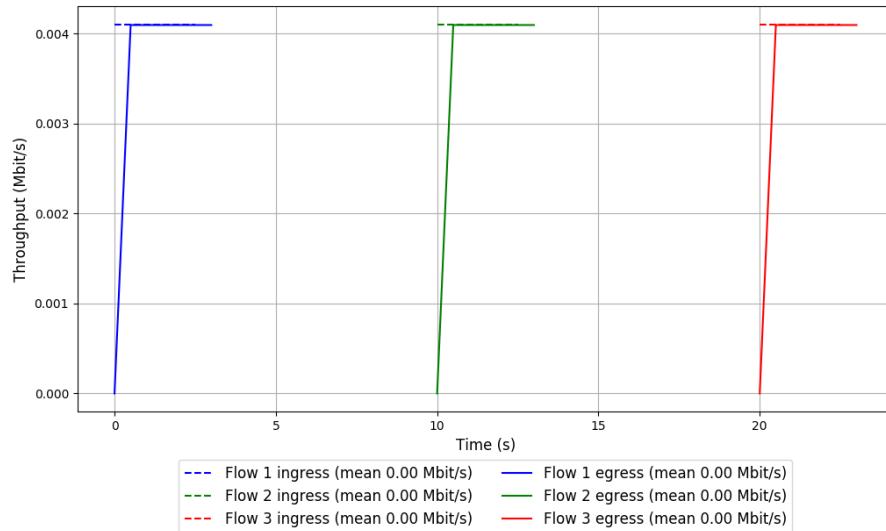
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 14:43:05
End at: 2018-05-24 14:43:35
Local clock offset: 4.565 ms
Remote clock offset: 30.035 ms

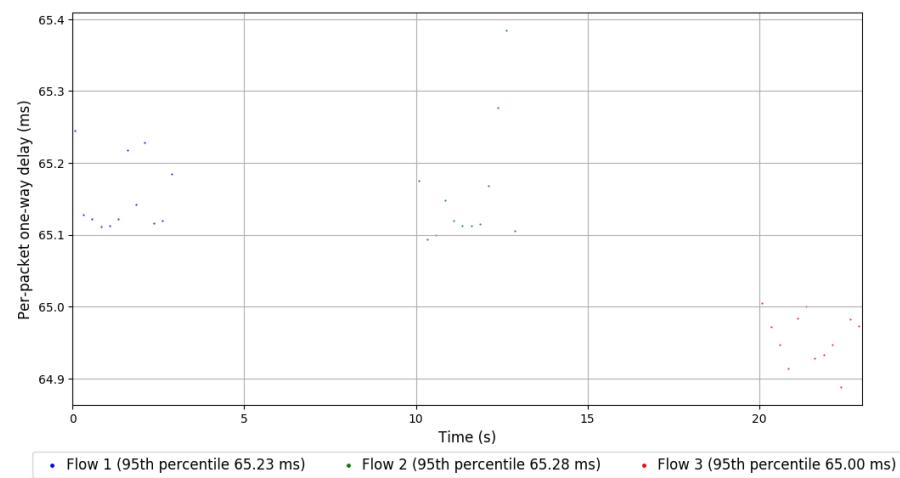
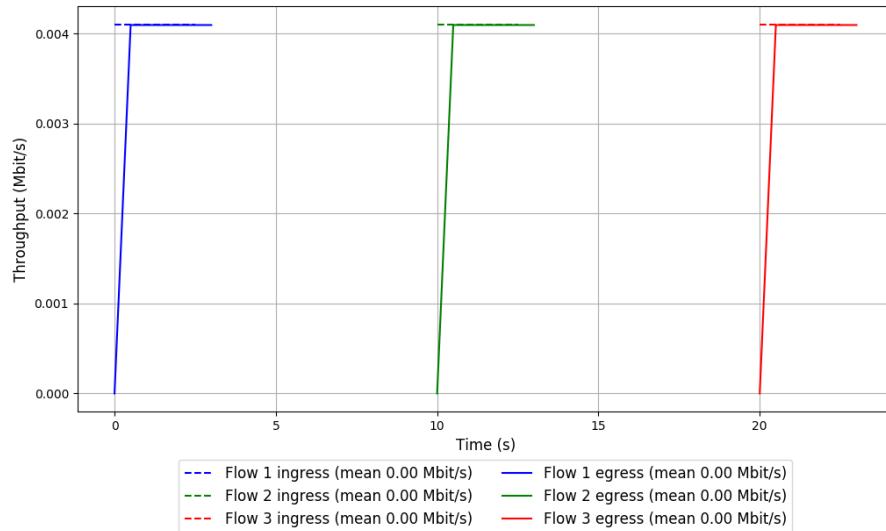
Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 15:04:54
End at: 2018-05-24 15:05:24
Local clock offset: 3.74 ms
Remote clock offset: 19.727 ms

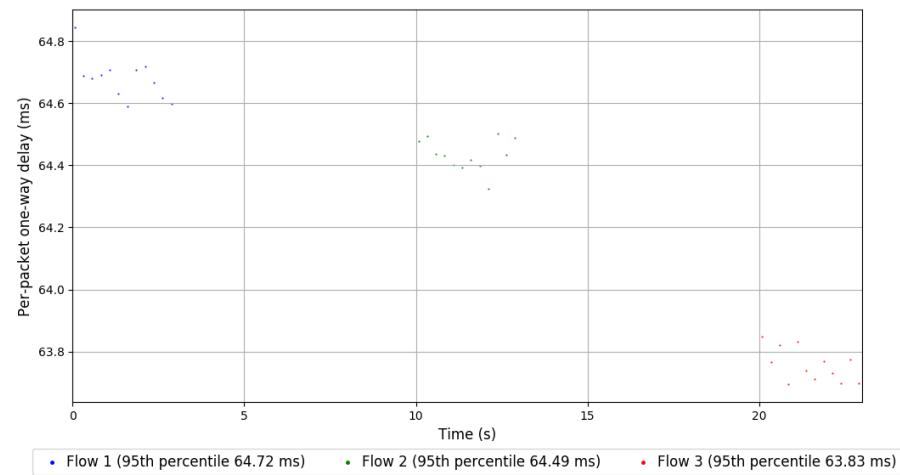
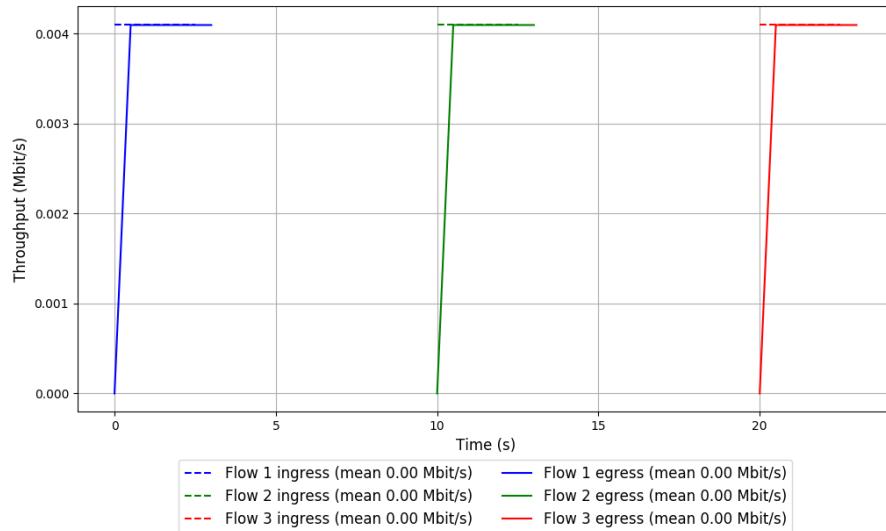
Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 15:26:23
End at: 2018-05-24 15:26:53
Local clock offset: 2.756 ms
Remote clock offset: 32.797 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

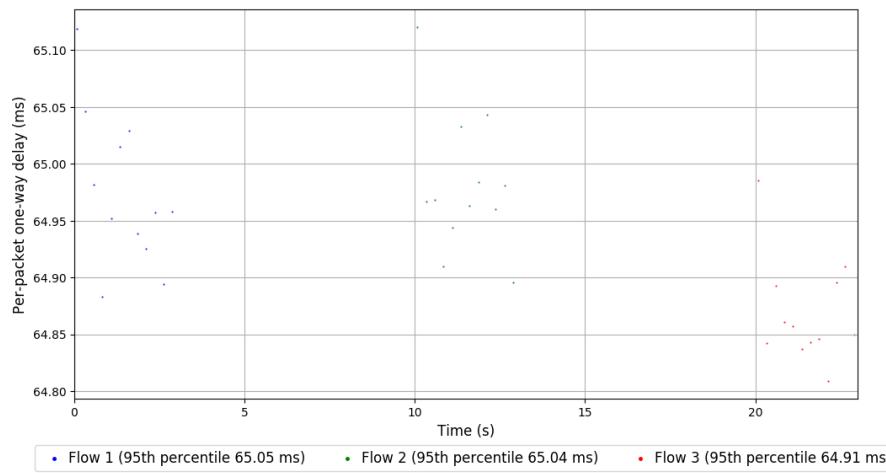
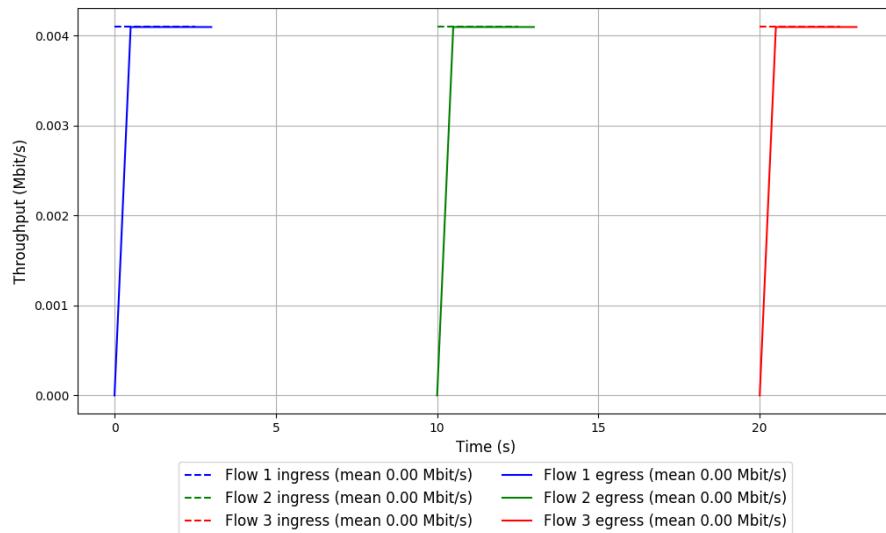
Start at: 2018-05-24 15:47:53

End at: 2018-05-24 15:48:23

Local clock offset: 2.488 ms

Remote clock offset: 49.534 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

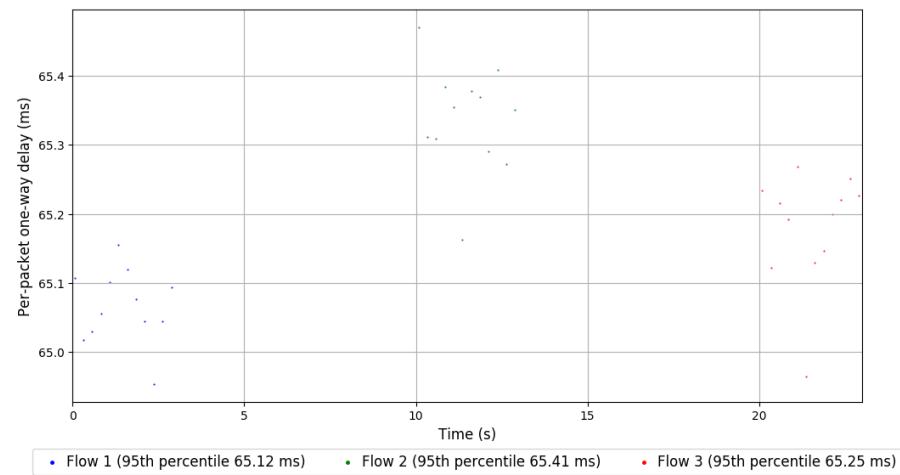
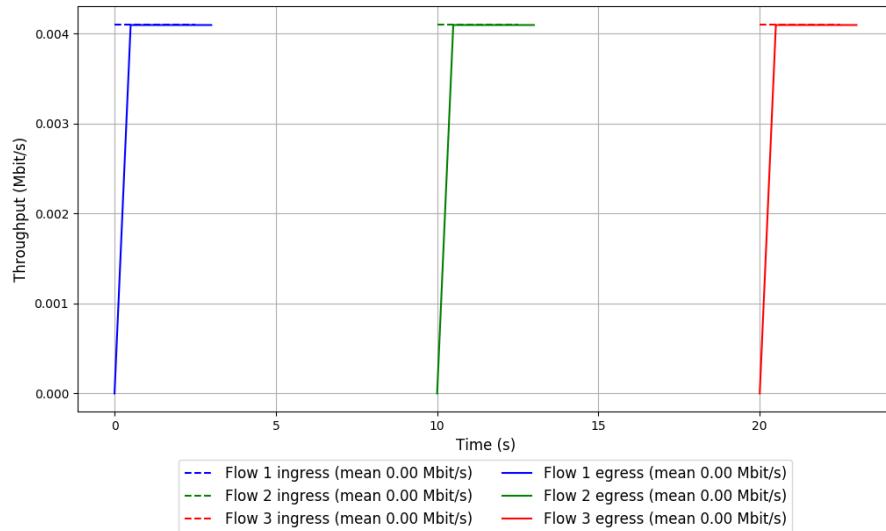
Start at: 2018-05-24 16:09:23

End at: 2018-05-24 16:09:53

Local clock offset: 2.21 ms

Remote clock offset: 31.881 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

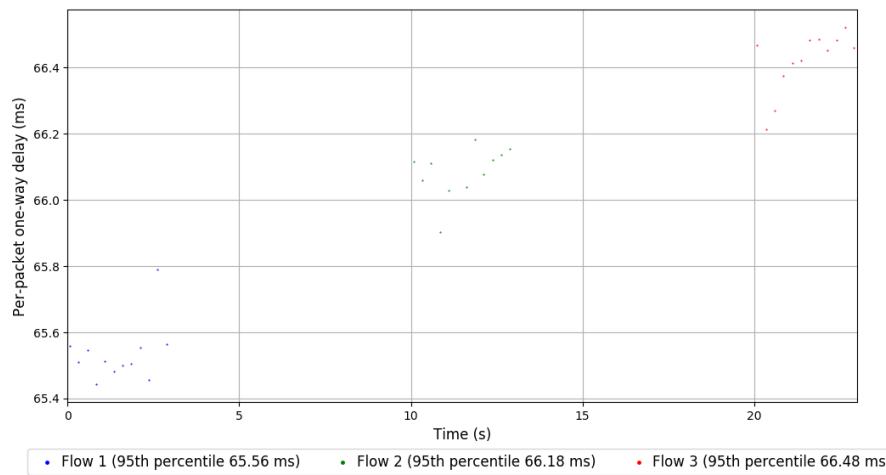
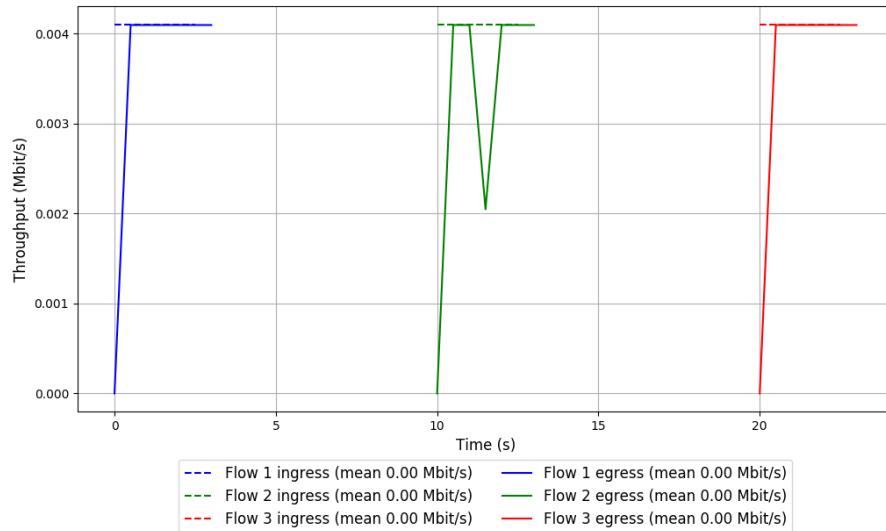
Start at: 2018-05-24 16:30:54

End at: 2018-05-24 16:31:24

Local clock offset: 3.165 ms

Remote clock offset: 19.318 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

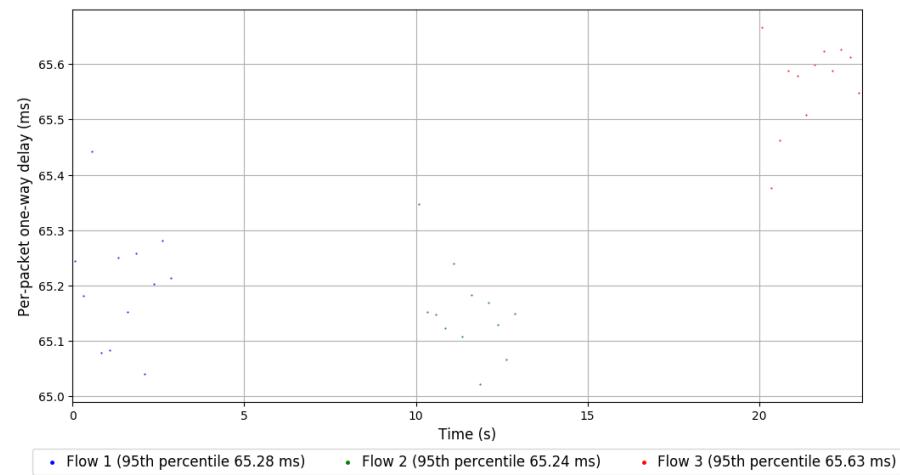
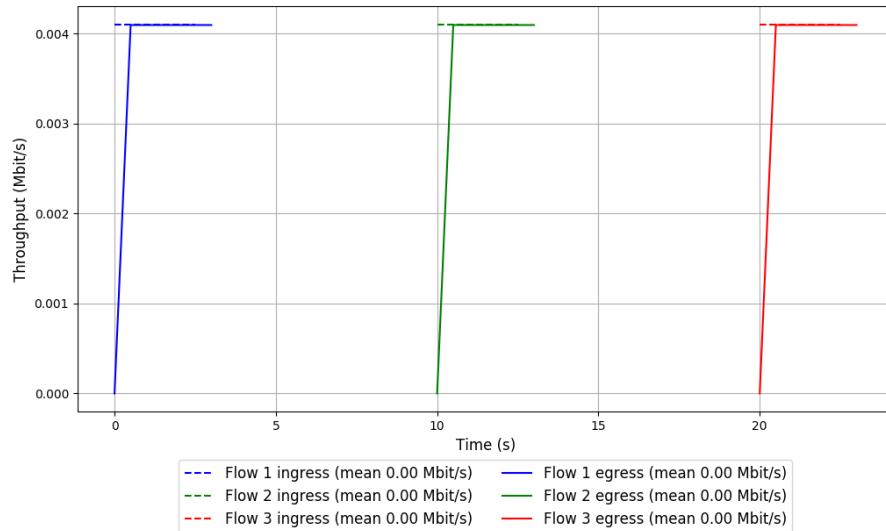
Start at: 2018-05-24 16:52:24

End at: 2018-05-24 16:52:54

Local clock offset: 4.512 ms

Remote clock offset: -4.684 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

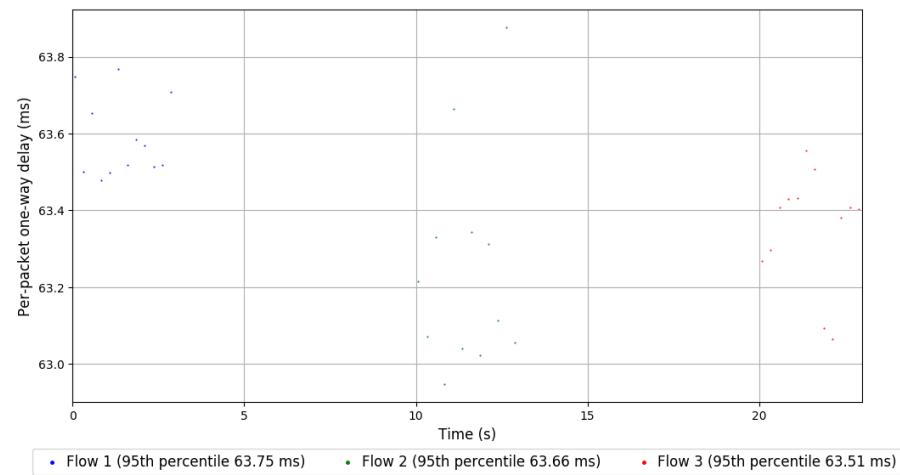
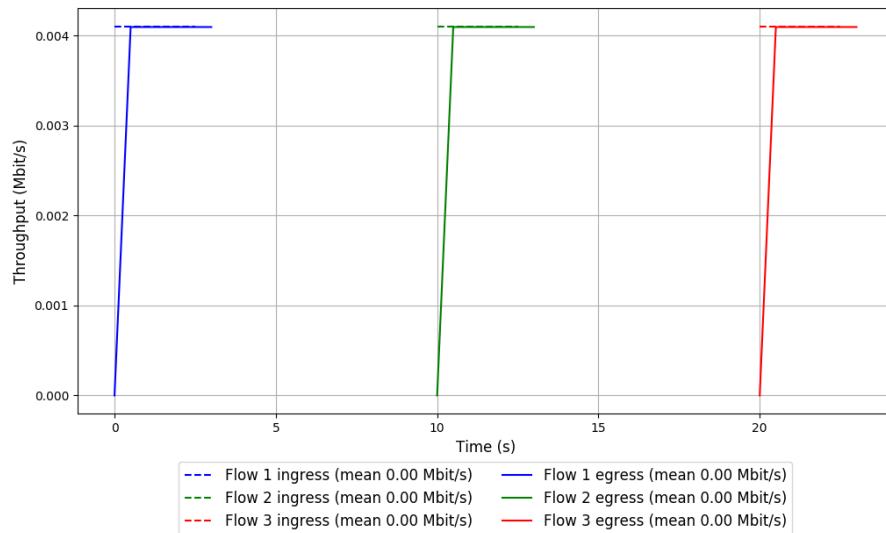
Start at: 2018-05-24 17:15:08

End at: 2018-05-24 17:15:38

Local clock offset: 0.863 ms

Remote clock offset: 23.221 ms

Run 10: Report of PCC-Expr — Data Link

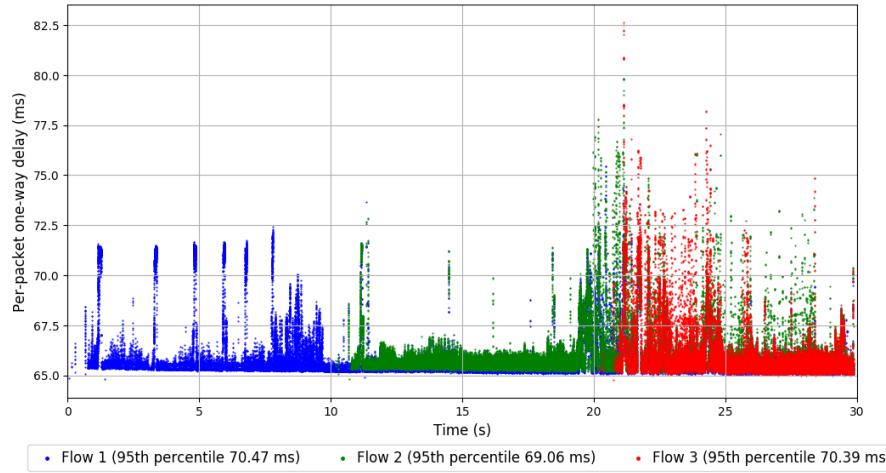
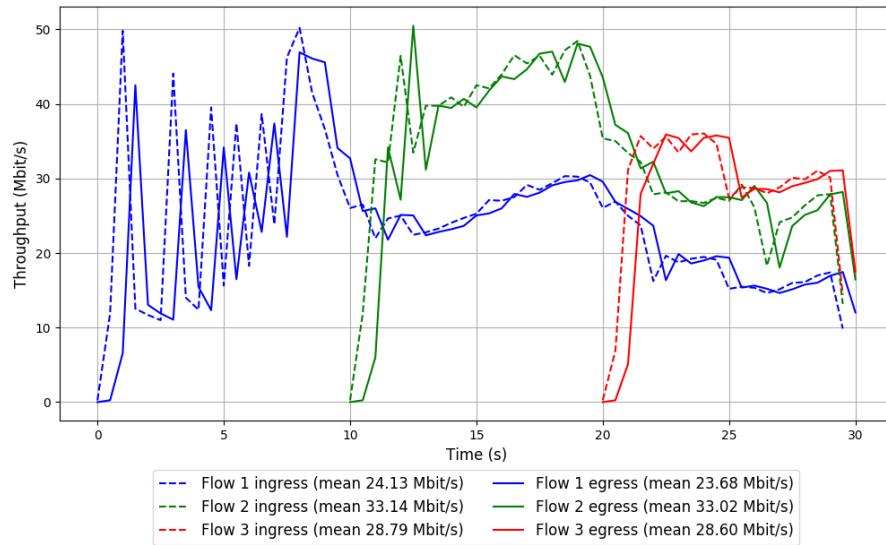


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-05-24 13:58:54
End at: 2018-05-24 13:59:24
Local clock offset: 2.024 ms
Remote clock offset: 64.145 ms

# Below is generated by plot.py at 2018-05-24 17:39:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 69.830 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 70.473 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 69.065 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 70.388 ms
Loss rate: 0.61%
```

Run 1: Report of QUIC Cubic — Data Link

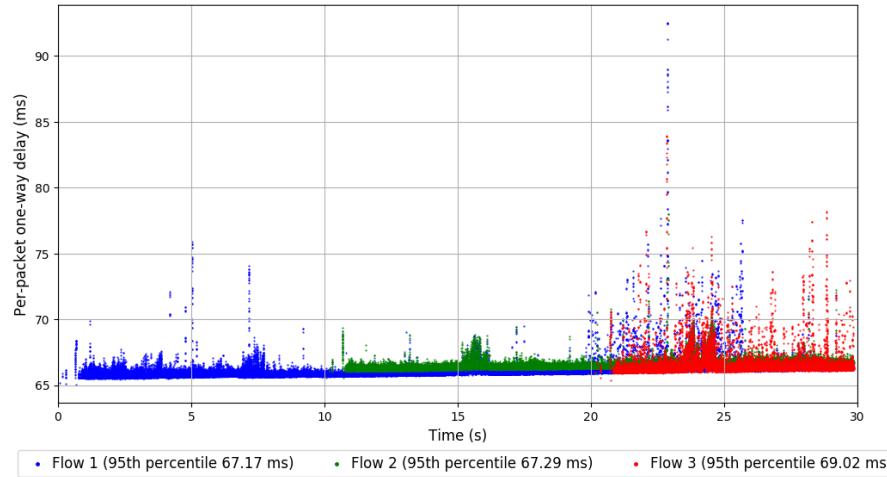
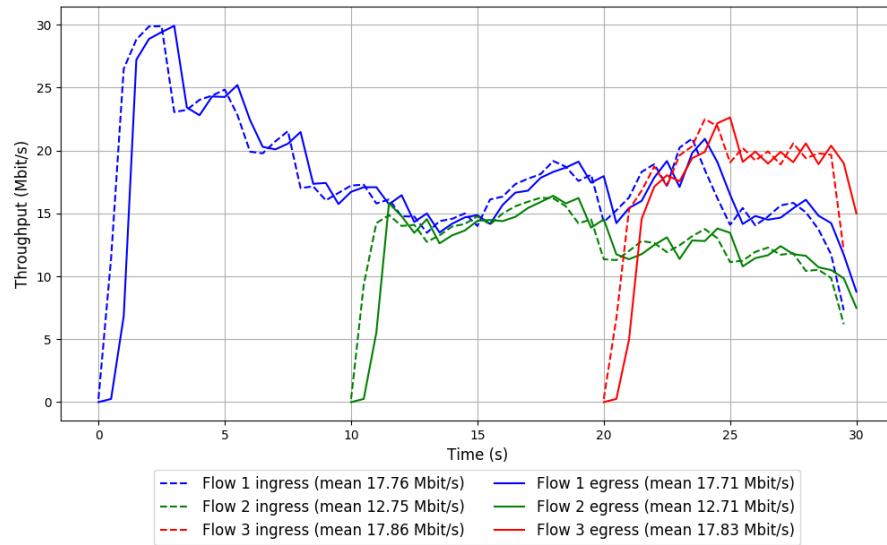


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-24 14:20:20
End at: 2018-05-24 14:20:50
Local clock offset: 1.029 ms
Remote clock offset: 45.383 ms

# Below is generated by plot.py at 2018-05-24 17:39:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 67.604 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 67.293 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 69.017 ms
Loss rate: 0.21%
```

Run 2: Report of QUIC Cubic — Data Link

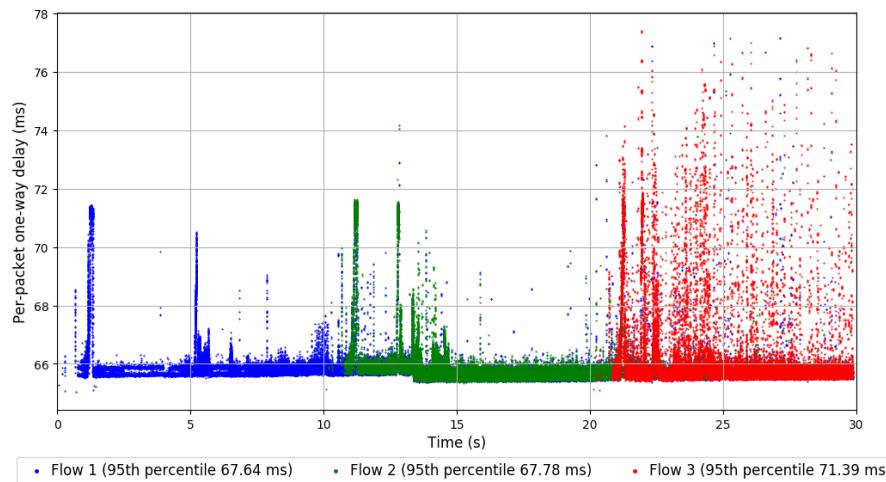
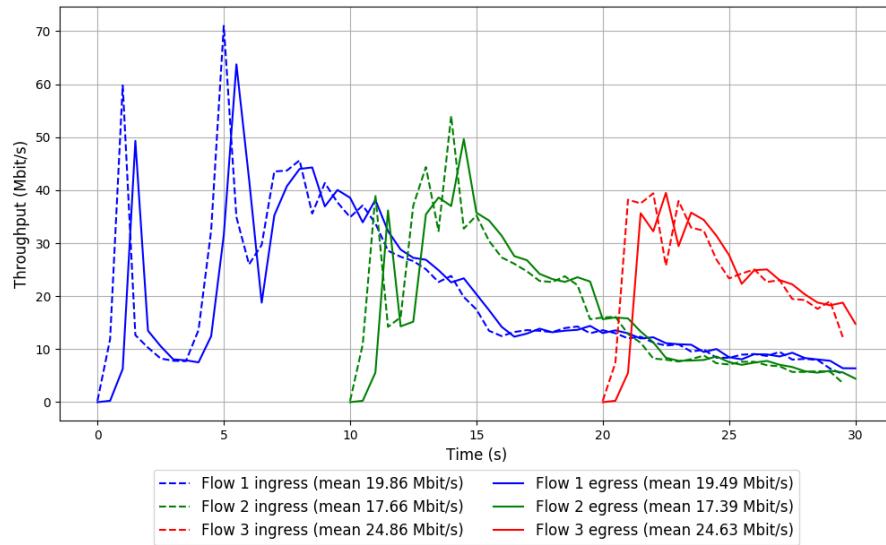


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-24 14:41:45
End at: 2018-05-24 14:42:15
Local clock offset: 4.578 ms
Remote clock offset: 30.436 ms

# Below is generated by plot.py at 2018-05-24 17:39:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 69.284 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 67.638 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 67.785 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 71.386 ms
Loss rate: 0.89%
```

Run 3: Report of QUIC Cubic — Data Link

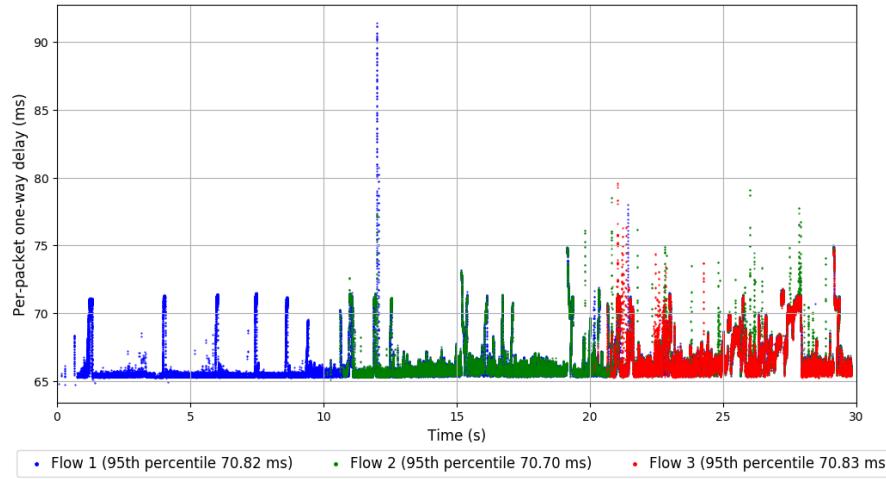
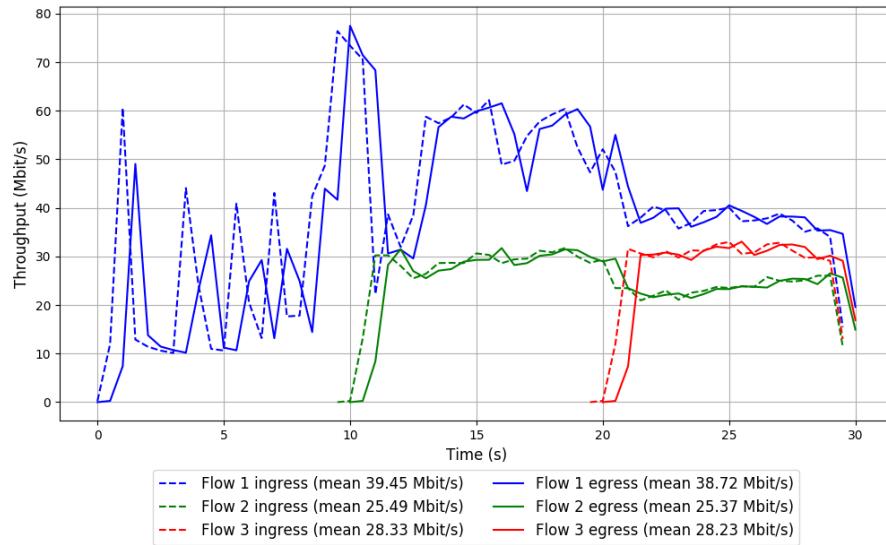


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:03:34
End at: 2018-05-24 15:04:04
Local clock offset: 3.802 ms
Remote clock offset: 20.151 ms

# Below is generated by plot.py at 2018-05-24 17:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 70.797 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 70.817 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 70.700 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 70.833 ms
Loss rate: 0.36%
```

Run 4: Report of QUIC Cubic — Data Link

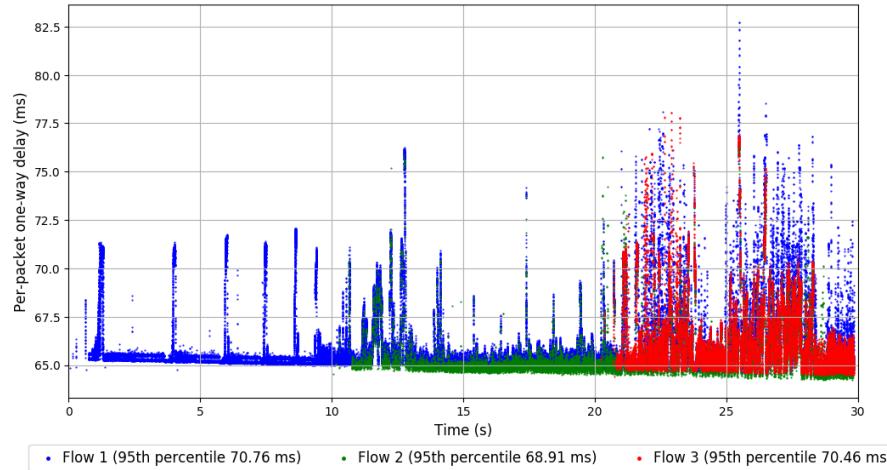
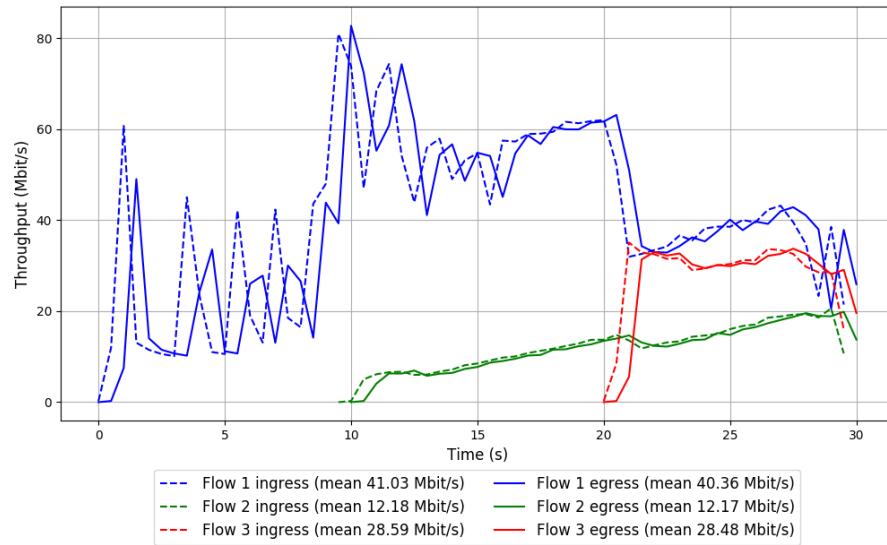


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:25:02
End at: 2018-05-24 15:25:32
Local clock offset: 2.534 ms
Remote clock offset: 30.677 ms

# Below is generated by plot.py at 2018-05-24 17:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 70.553 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 70.756 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 68.909 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 70.461 ms
Loss rate: 0.39%
```

Run 5: Report of QUIC Cubic — Data Link

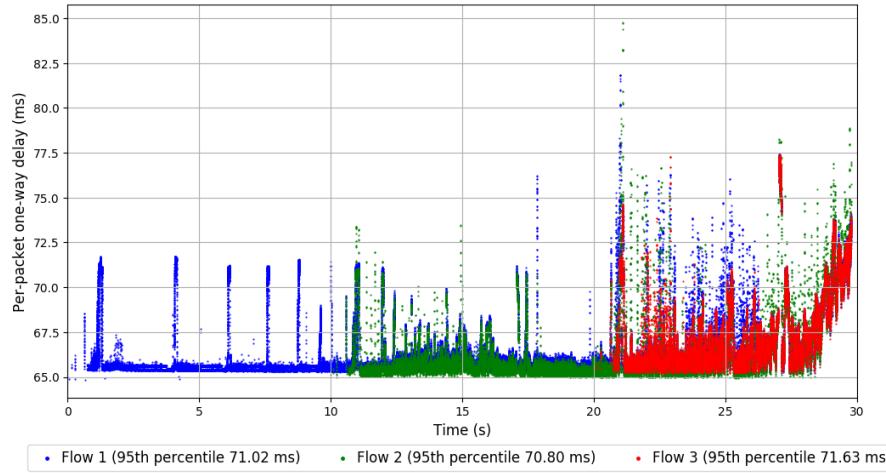
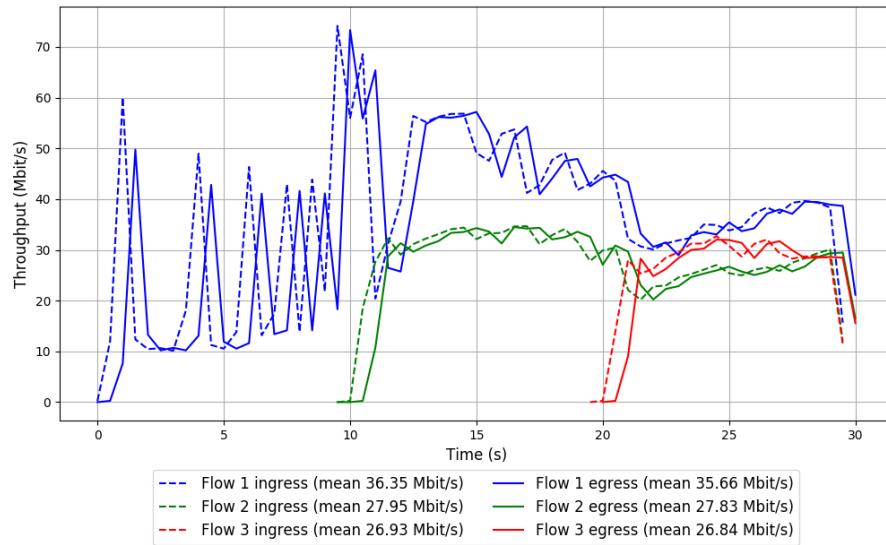


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-24 15:46:32
End at: 2018-05-24 15:47:02
Local clock offset: 2.379 ms
Remote clock offset: 48.975 ms

# Below is generated by plot.py at 2018-05-24 17:40:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 71.049 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 71.015 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 70.802 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 71.630 ms
Loss rate: 0.24%
```

Run 6: Report of QUIC Cubic — Data Link

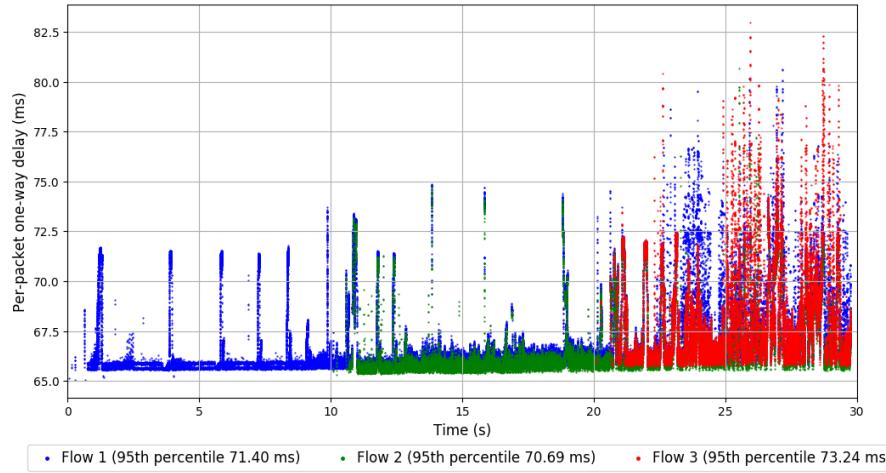
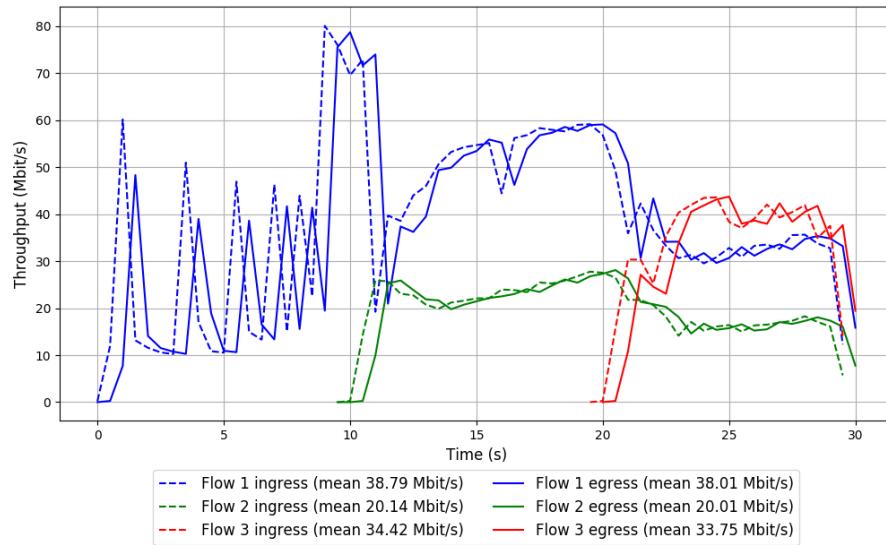


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-24 16:08:02
End at: 2018-05-24 16:08:32
Local clock offset: 2.22 ms
Remote clock offset: 32.51 ms

# Below is generated by plot.py at 2018-05-24 17:40:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.41 Mbit/s
95th percentile per-packet one-way delay: 71.647 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 71.398 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 70.688 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 73.240 ms
Loss rate: 1.93%
```

Run 7: Report of QUIC Cubic — Data Link

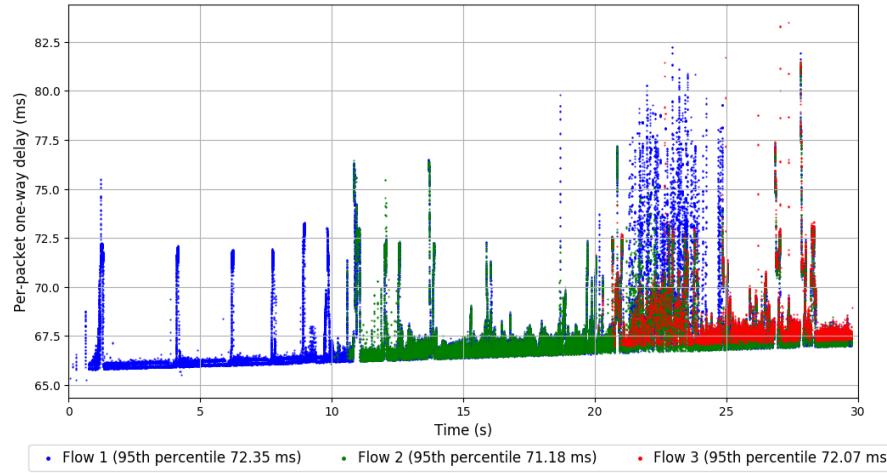
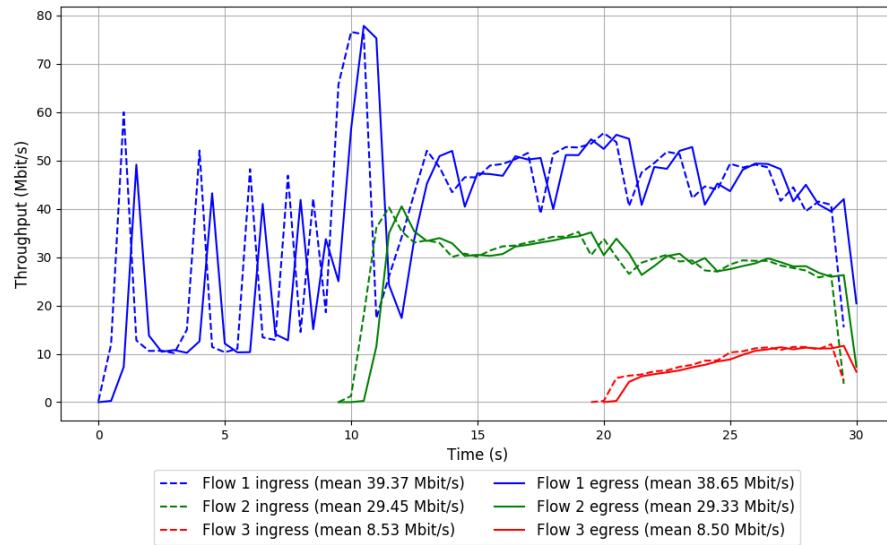


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-24 16:29:33
End at: 2018-05-24 16:30:03
Local clock offset: 2.954 ms
Remote clock offset: 22.448 ms

# Below is generated by plot.py at 2018-05-24 17:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 72.087 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 72.354 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 71.178 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 72.072 ms
Loss rate: 0.27%
```

Run 8: Report of QUIC Cubic — Data Link

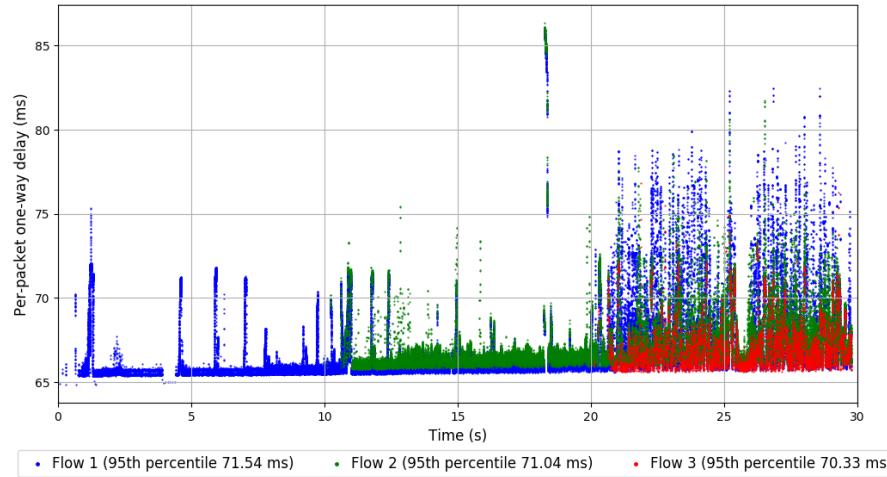
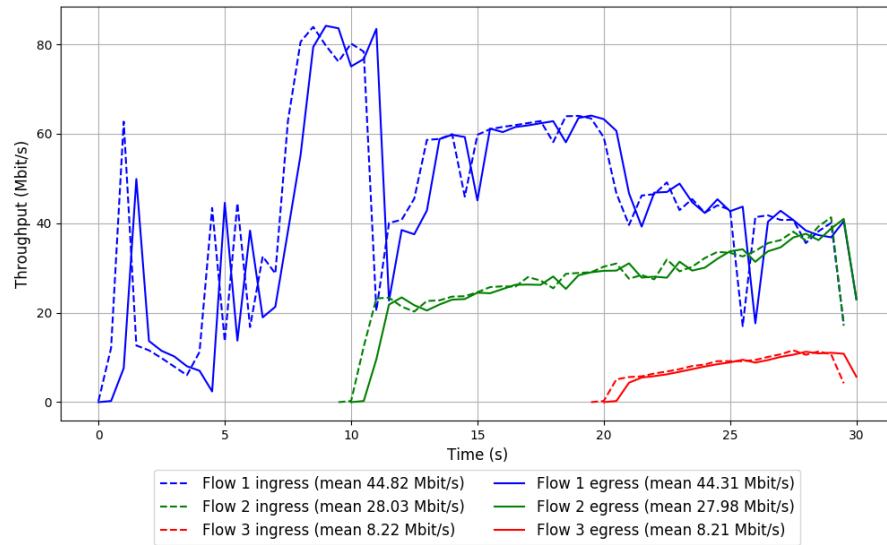


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-24 16:51:03
End at: 2018-05-24 16:51:33
Local clock offset: 4.458 ms
Remote clock offset: -3.777 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 71.349 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 71.539 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 71.044 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 70.327 ms
Loss rate: 0.13%
```

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

/home/ubuntu/pantheon/data/2018-05-24T13-50-AWS-Korea-to-China-10-runs-3-flows/quic_stats_ru

Run 10: Report of QUIC Cubic — Data Link

Figure is missing

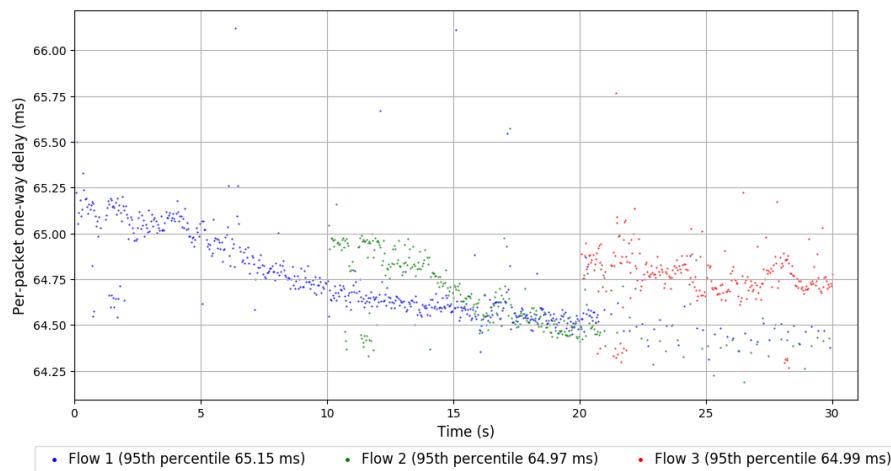
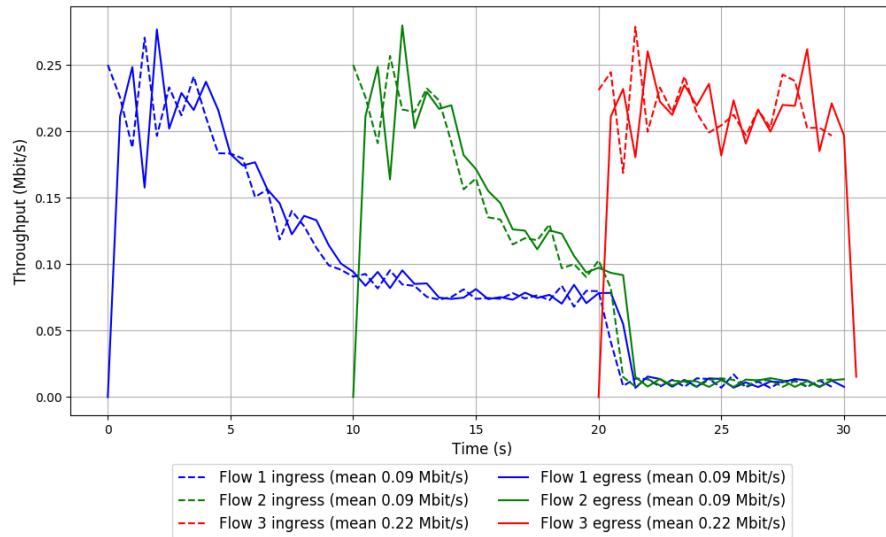
Figure is missing

```
Run 1: Statistics of SCReAM
```

```
Start at: 2018-05-24 13:52:50
End at: 2018-05-24 13:53:20
Local clock offset: 2.584 ms
Remote clock offset: 59.78 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 65.103 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 64.966 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.987 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

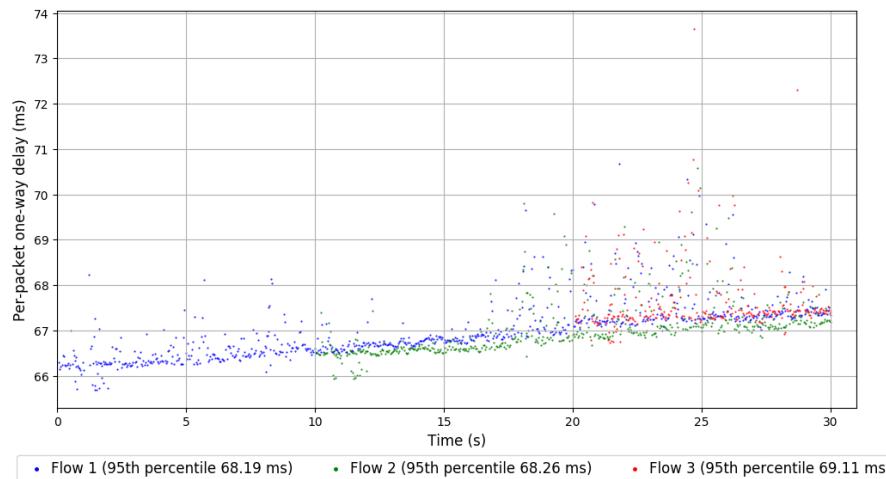
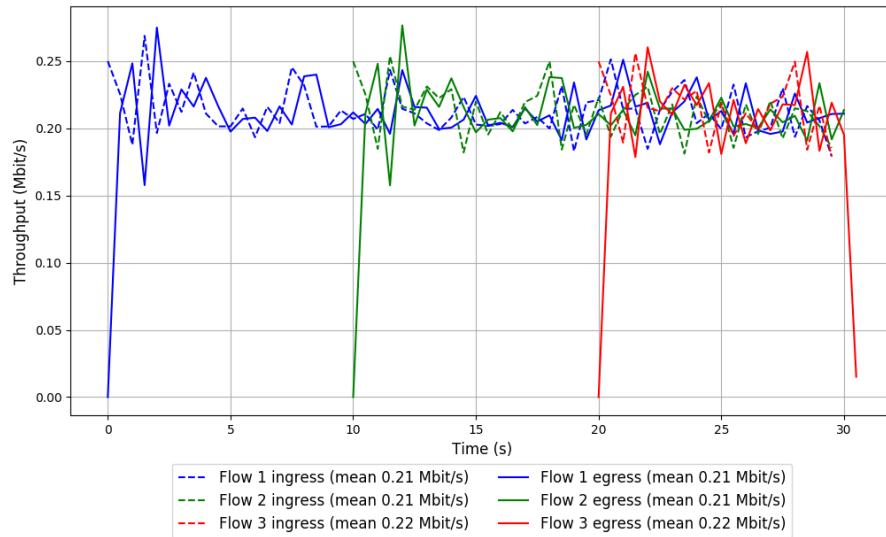


Run 2: Statistics of SCReAM

```
Start at: 2018-05-24 14:15:00
End at: 2018-05-24 14:15:30
Local clock offset: 0.937 ms
Remote clock offset: 56.453 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 68.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 68.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 68.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 69.110 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

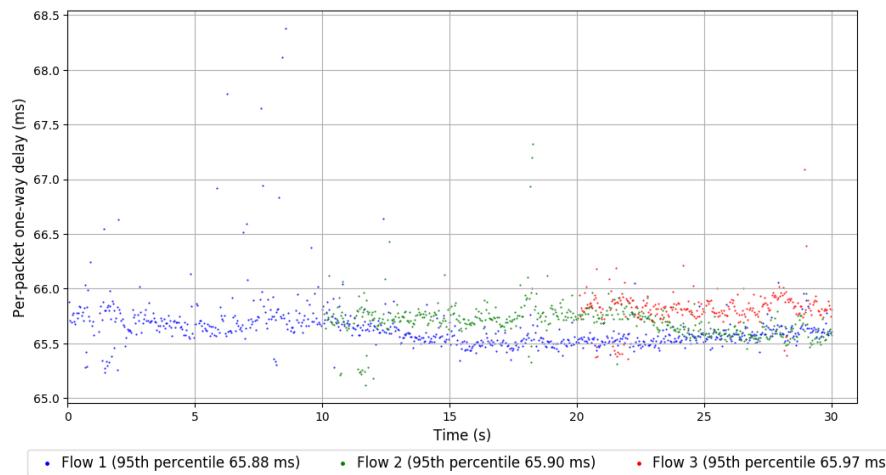
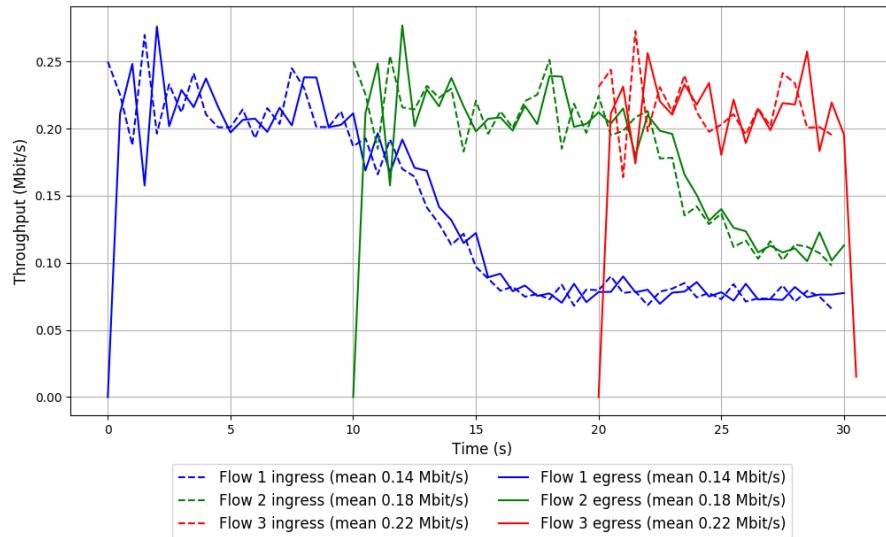


Run 3: Statistics of SCReAM

```
Start at: 2018-05-24 14:36:25
End at: 2018-05-24 14:36:55
Local clock offset: 3.789 ms
Remote clock offset: 32.3 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 65.935 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 65.884 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 65.904 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.975 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

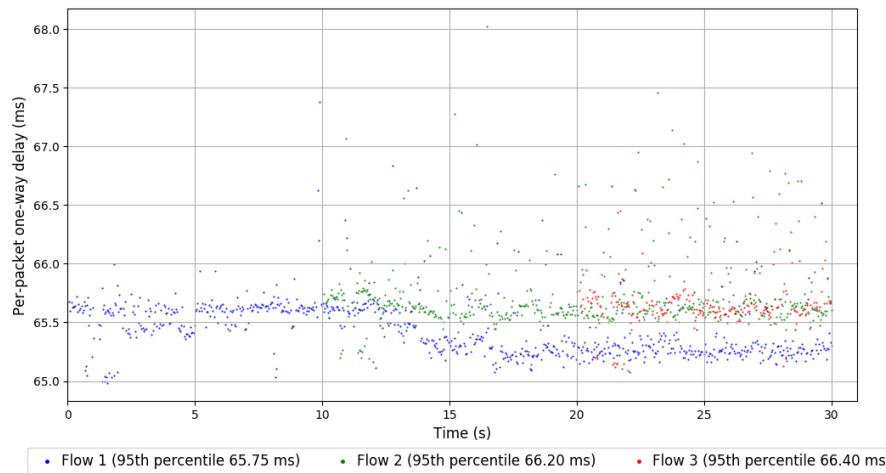
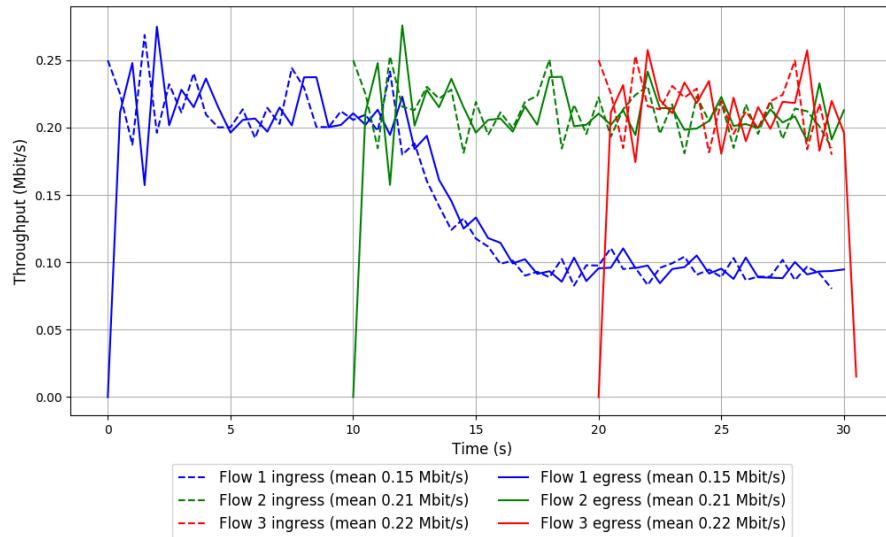


Run 4: Statistics of SCReAM

```
Start at: 2018-05-24 14:58:14
End at: 2018-05-24 14:58:44
Local clock offset: 4.903 ms
Remote clock offset: 22.087 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 65.752 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.398 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

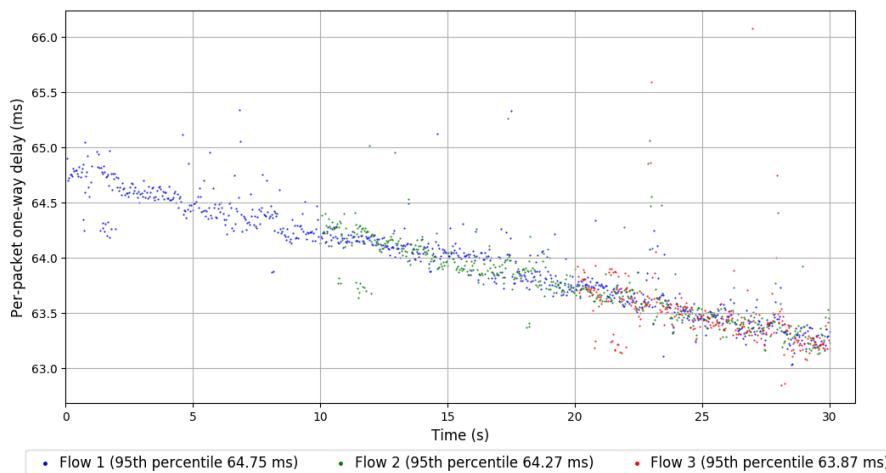
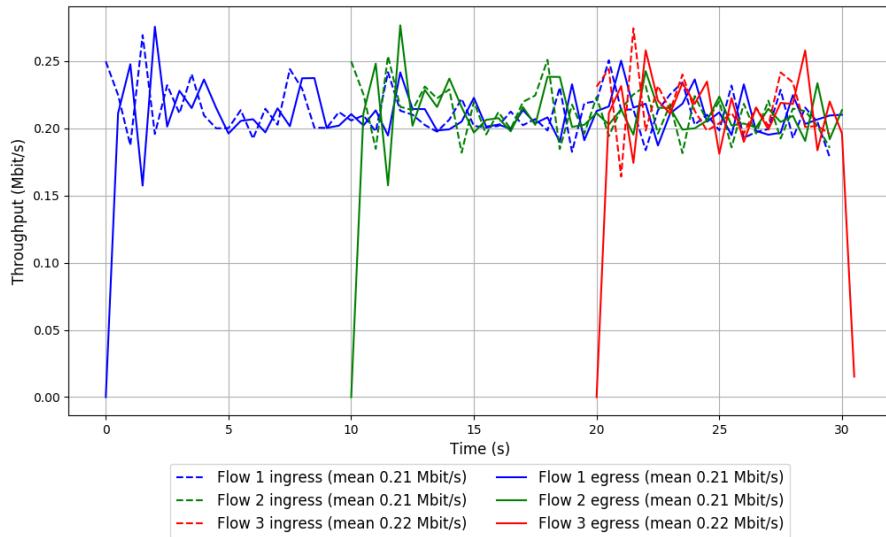


Run 5: Statistics of SCReAM

```
Start at: 2018-05-24 15:19:42
End at: 2018-05-24 15:20:12
Local clock offset: 2.785 ms
Remote clock offset: 17.619 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.872 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

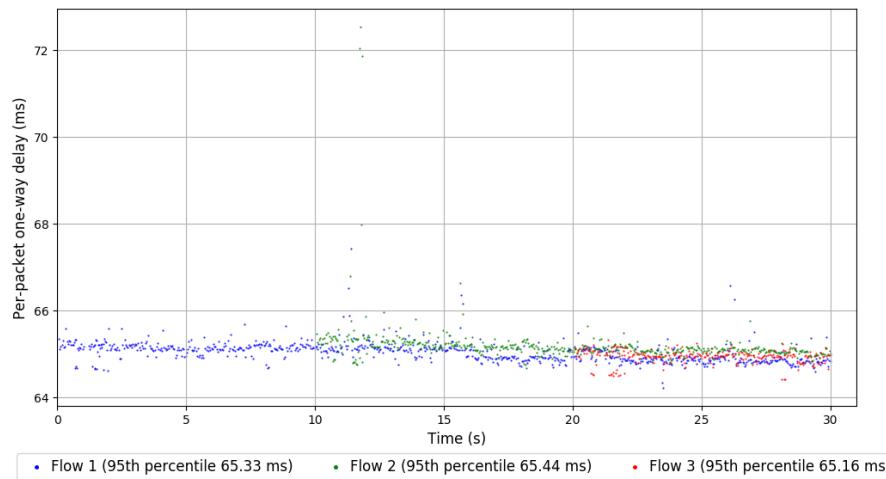
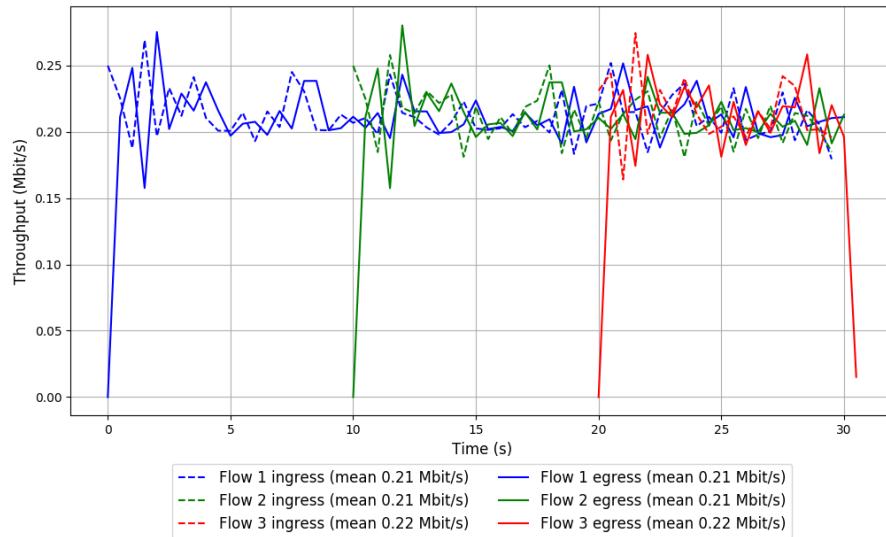


Run 6: Statistics of SCReAM

```
Start at: 2018-05-24 15:41:11
End at: 2018-05-24 15:41:41
Local clock offset: 2.554 ms
Remote clock offset: 46.434 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.158 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

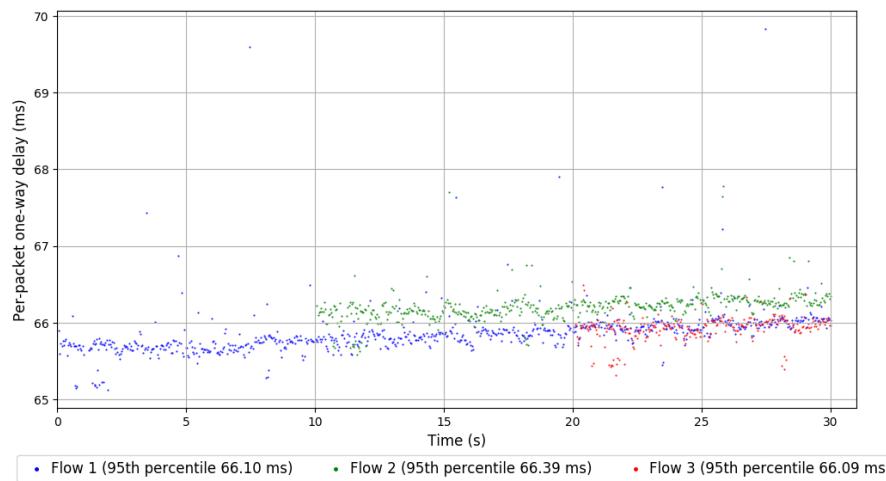
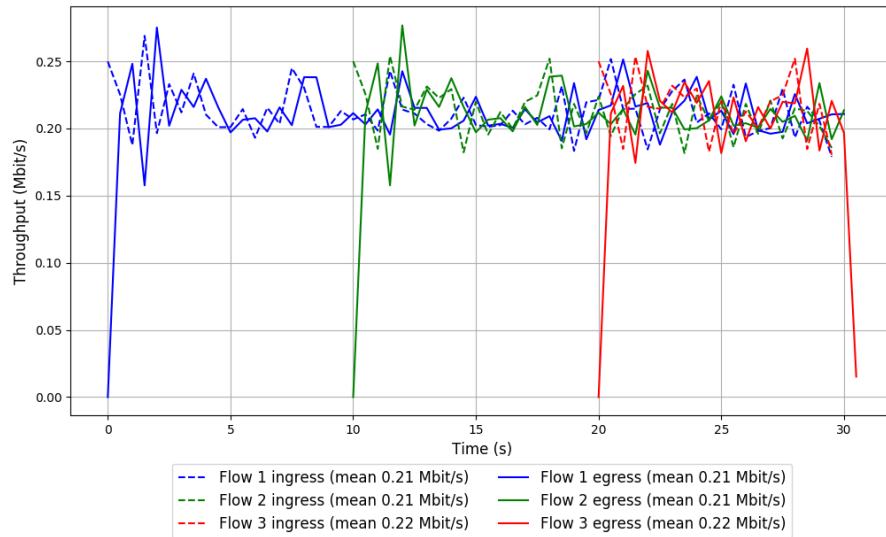


Run 7: Statistics of SCReAM

```
Start at: 2018-05-24 16:02:42
End at: 2018-05-24 16:03:12
Local clock offset: 2.248 ms
Remote clock offset: 36.241 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.098 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.095 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

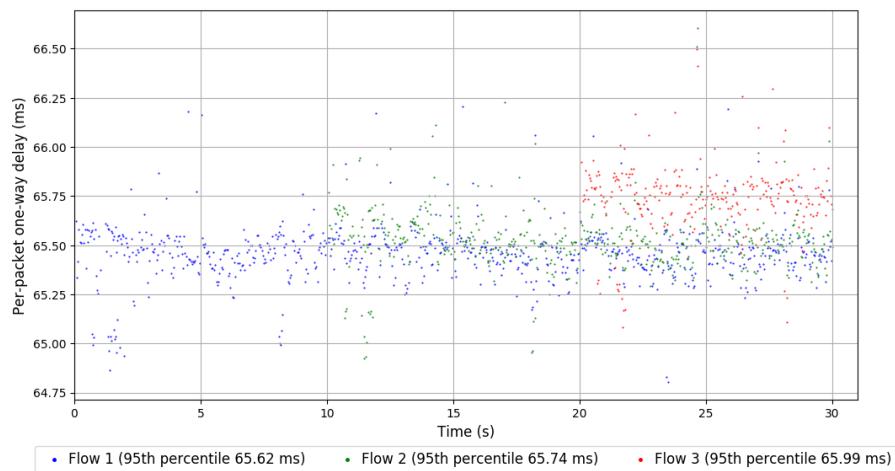
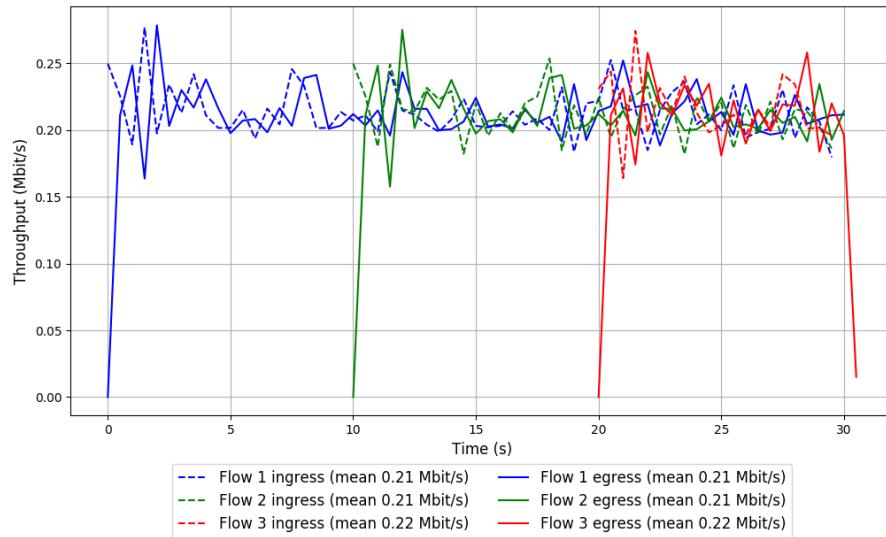


Run 8: Statistics of SCReAM

```
Start at: 2018-05-24 16:24:12
End at: 2018-05-24 16:24:42
Local clock offset: 2.076 ms
Remote clock offset: 28.87 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.990 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

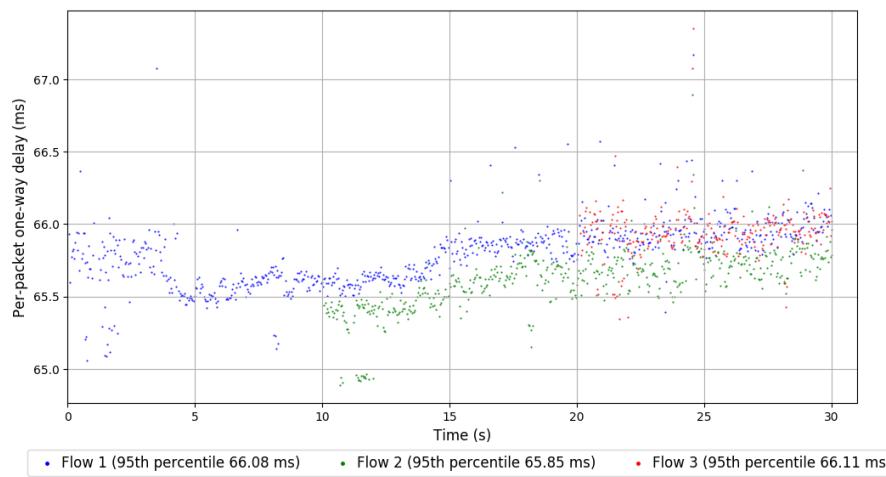
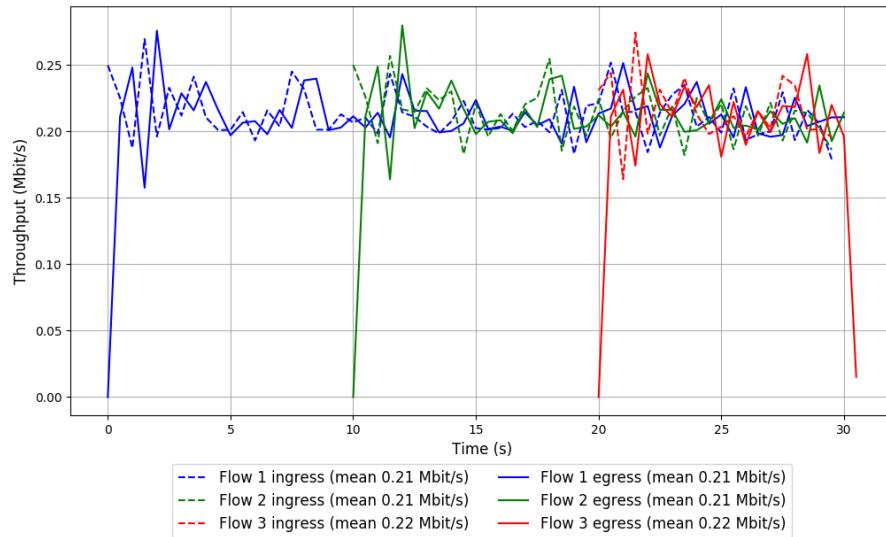


Run 9: Statistics of SCReAM

```
Start at: 2018-05-24 16:45:42
End at: 2018-05-24 16:46:12
Local clock offset: 4.267 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.113 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

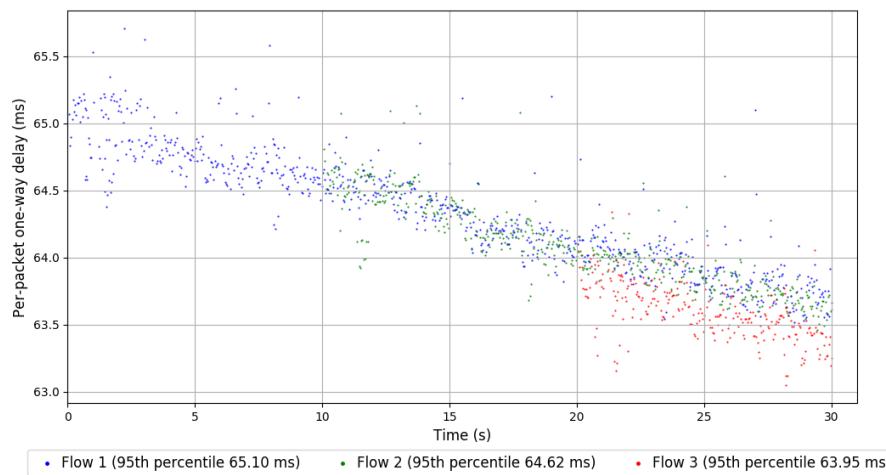
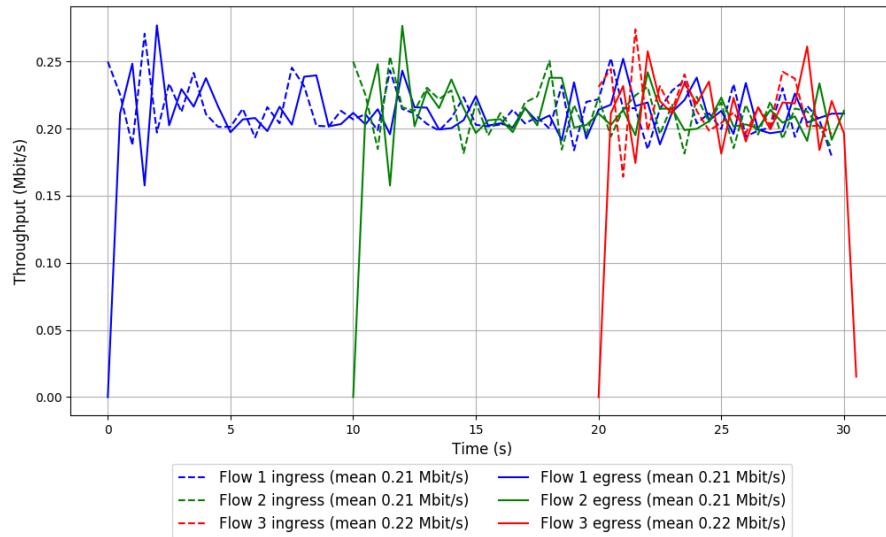


Run 10: Statistics of SCReAM

```
Start at: 2018-05-24 17:07:13
End at: 2018-05-24 17:07:43
Local clock offset: 1.515 ms
Remote clock offset: 10.871 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

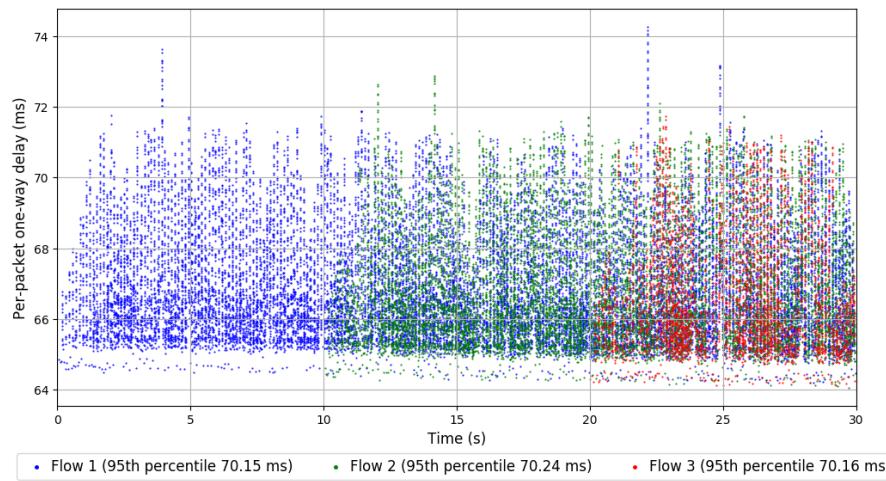
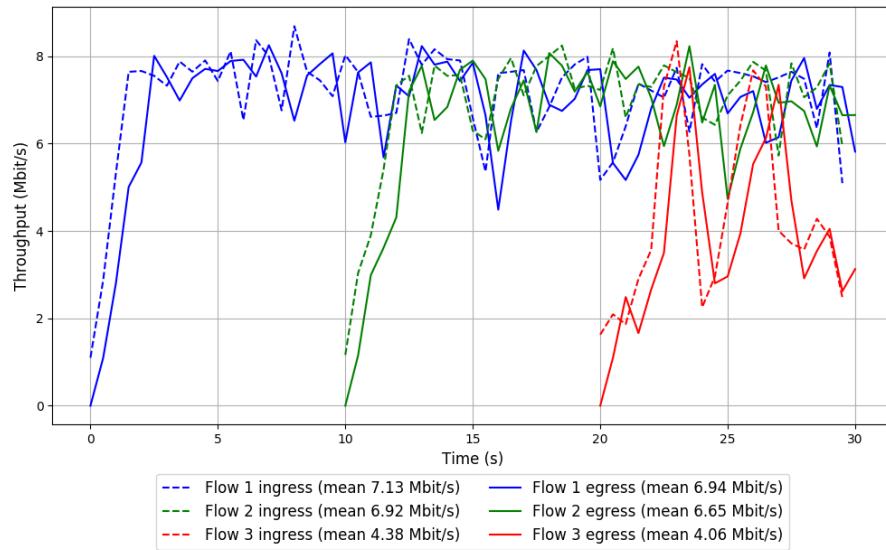


Run 1: Statistics of Sprout

```
Start at: 2018-05-24 14:05:31
End at: 2018-05-24 14:06:01
Local clock offset: 1.599 ms
Remote clock offset: 68.409 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 70.183 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 70.152 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 70.240 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 70.159 ms
Loss rate: 7.24%
```

Run 1: Report of Sprout — Data Link

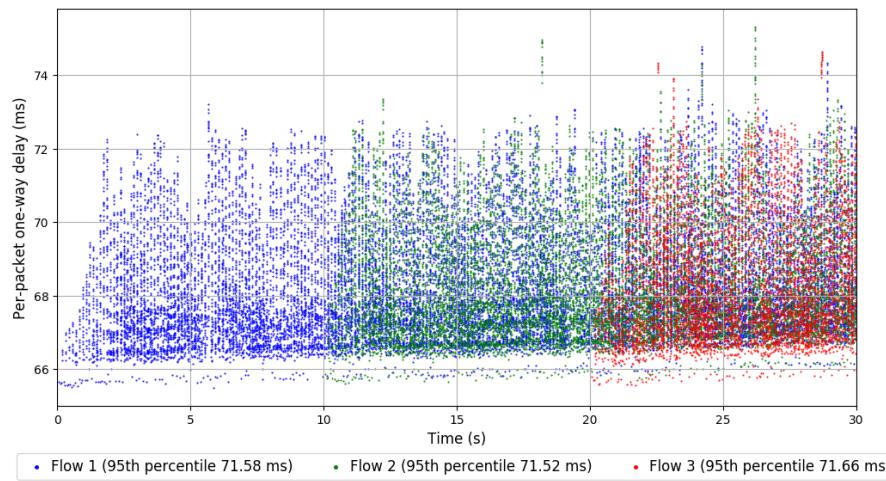
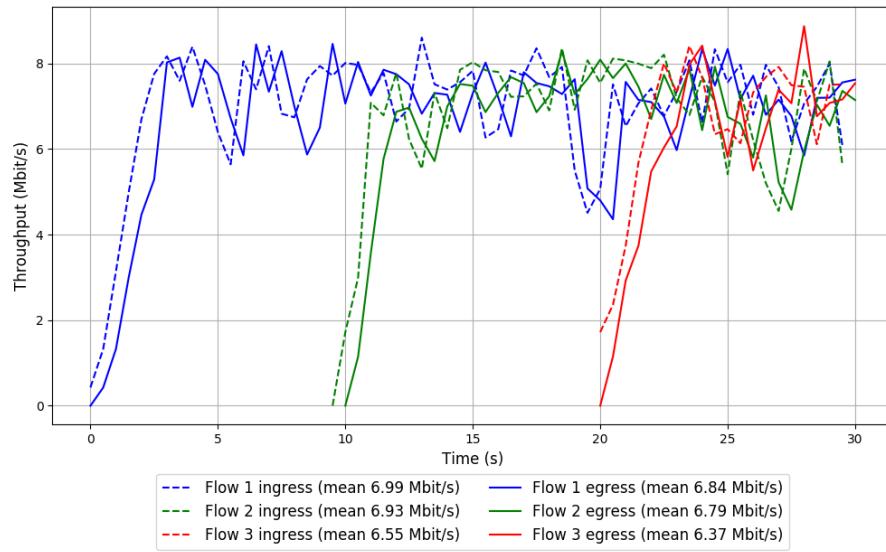


Run 2: Statistics of Sprout

```
Start at: 2018-05-24 14:26:55
End at: 2018-05-24 14:27:25
Local clock offset: 1.265 ms
Remote clock offset: 37.805 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 71.574 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 71.580 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 71.524 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 71.659 ms
Loss rate: 2.76%
```

Run 2: Report of Sprout — Data Link

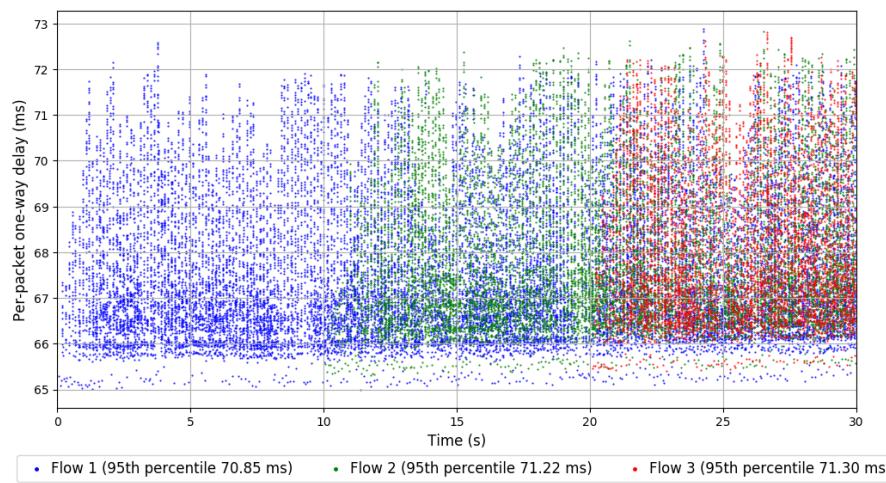
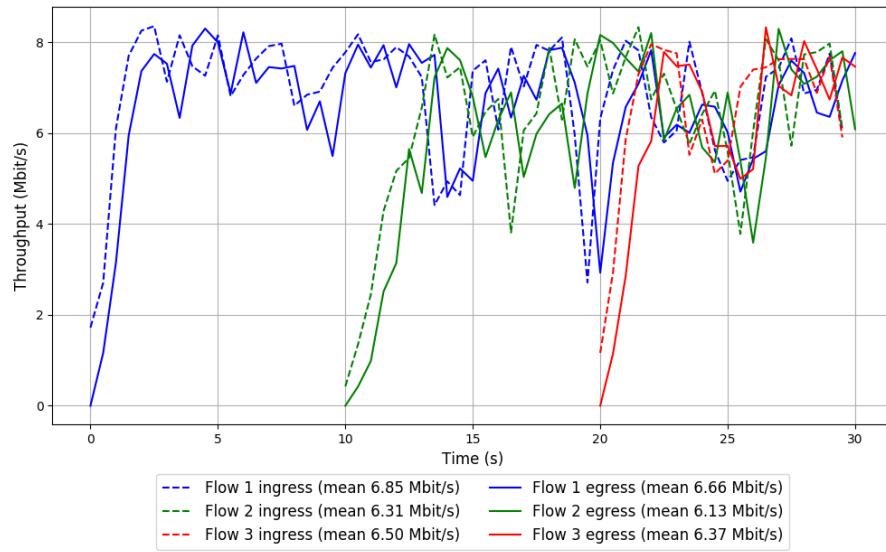


Run 3: Statistics of Sprout

```
Start at: 2018-05-24 14:48:21
End at: 2018-05-24 14:48:51
Local clock offset: 5.003 ms
Remote clock offset: 26.911 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 71.050 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 70.853 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 71.224 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 71.303 ms
Loss rate: 1.91%
```

Run 3: Report of Sprout — Data Link

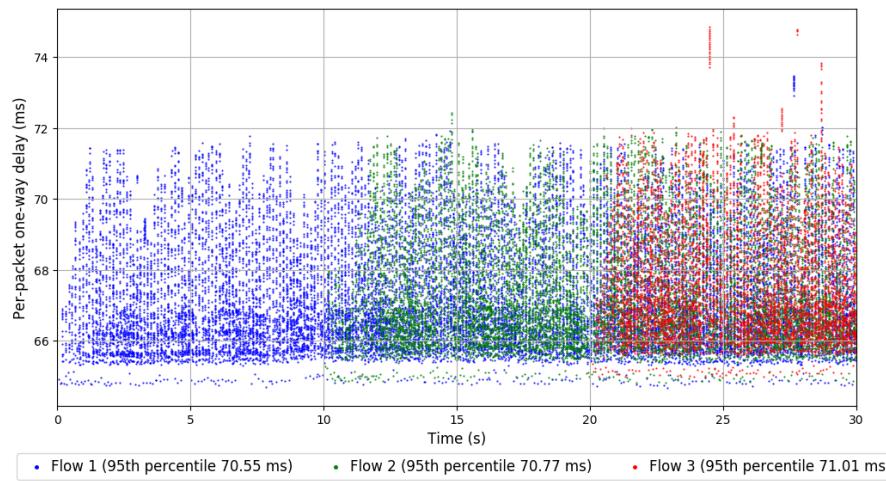
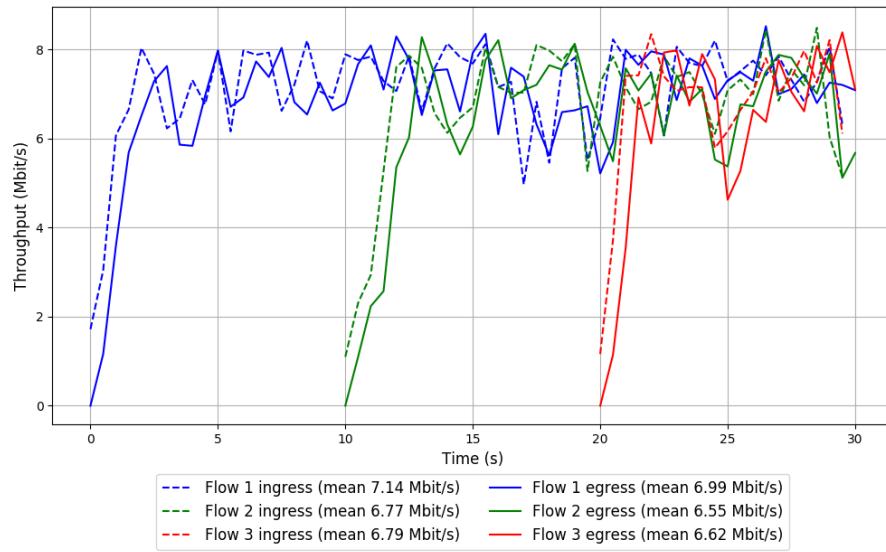


Run 4: Statistics of Sprout

```
Start at: 2018-05-24 15:10:10
End at: 2018-05-24 15:10:40
Local clock offset: 3.18 ms
Remote clock offset: 18.096 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 70.693 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 70.551 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 70.765 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 71.011 ms
Loss rate: 2.56%
```

Run 4: Report of Sprout — Data Link

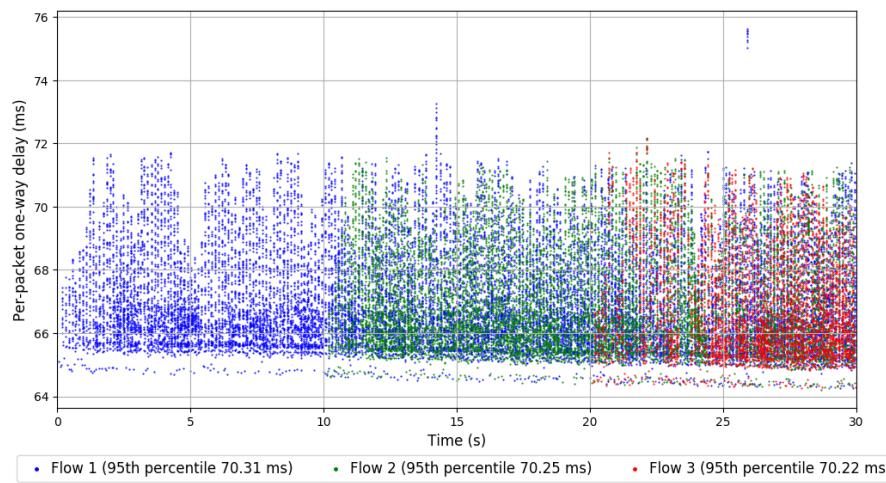
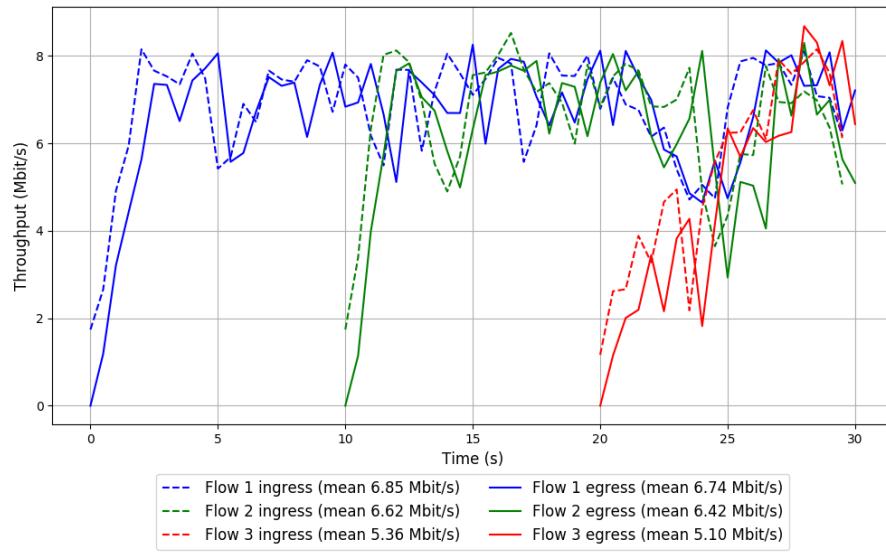


Run 5: Statistics of Sprout

```
Start at: 2018-05-24 15:31:39
End at: 2018-05-24 15:32:09
Local clock offset: 2.399 ms
Remote clock offset: 39.69 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 70.277 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 70.309 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 70.249 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 70.218 ms
Loss rate: 4.84%
```

Run 5: Report of Sprout — Data Link

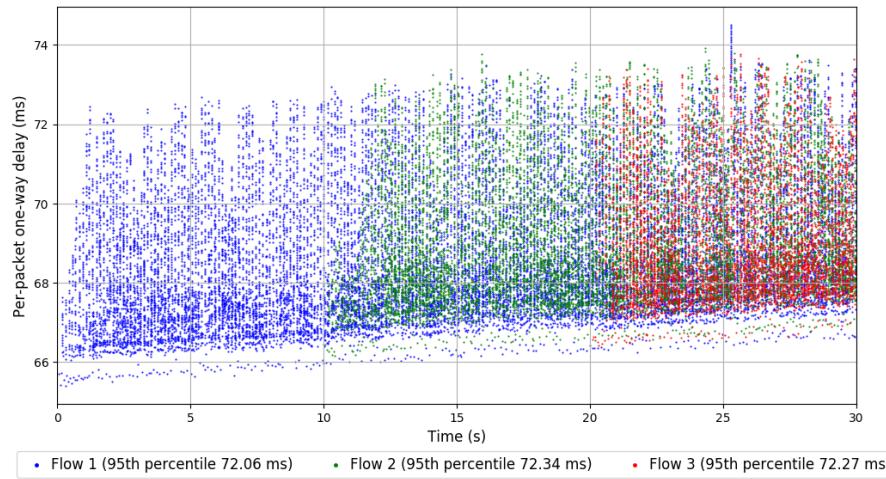
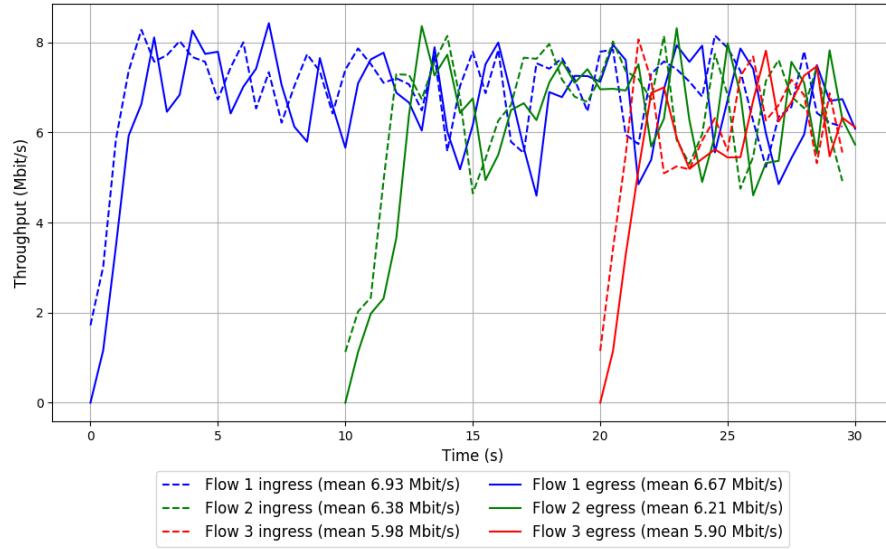


Run 6: Statistics of Sprout

```
Start at: 2018-05-24 15:53:09
End at: 2018-05-24 15:53:39
Local clock offset: 2.201 ms
Remote clock offset: 51.569 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 72.193 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 72.056 ms
Loss rate: 3.79%
-- Flow 2:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 72.340 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 72.267 ms
Loss rate: 1.32%
```

Run 6: Report of Sprout — Data Link

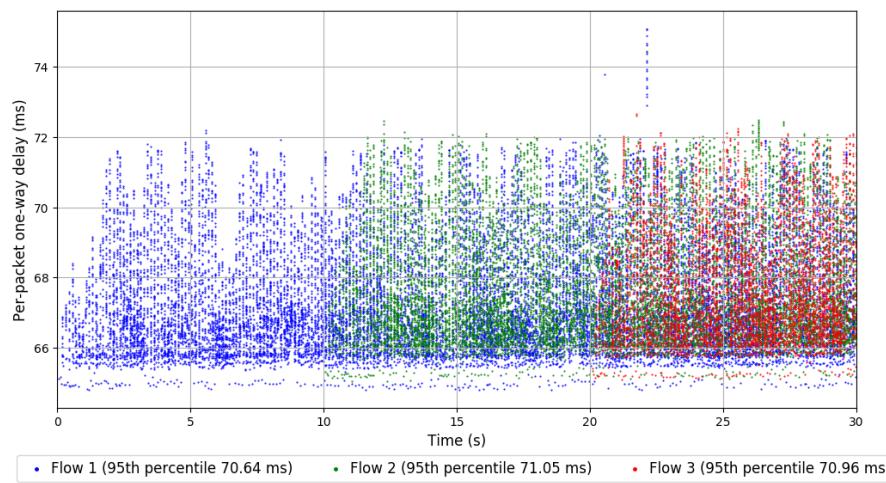
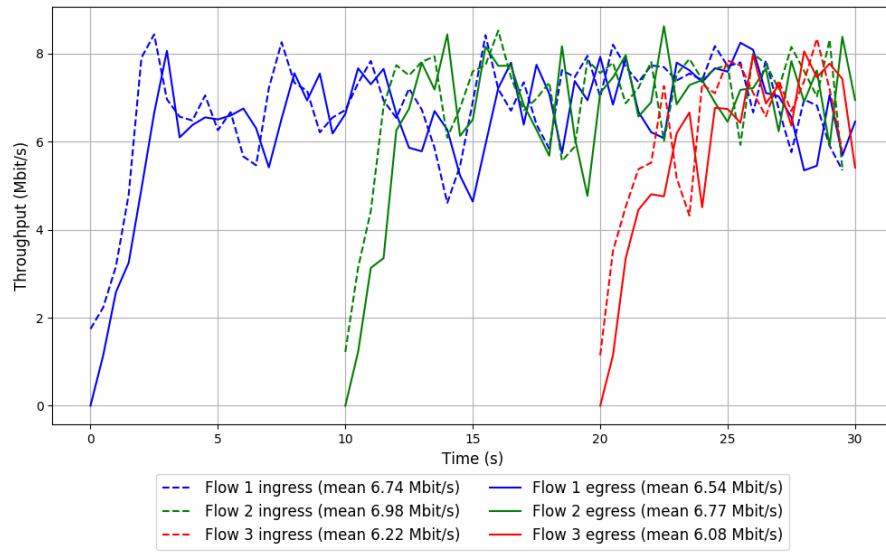


Run 7: Statistics of Sprout

```
Start at: 2018-05-24 16:14:39
End at: 2018-05-24 16:15:09
Local clock offset: 2.037 ms
Remote clock offset: 30.216 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 70.864 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 70.643 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 71.049 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 70.961 ms
Loss rate: 2.30%
```

Run 7: Report of Sprout — Data Link

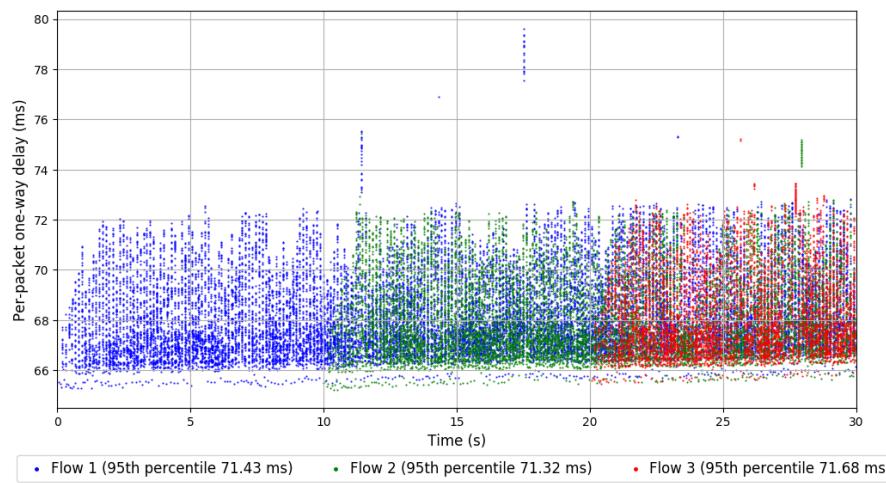
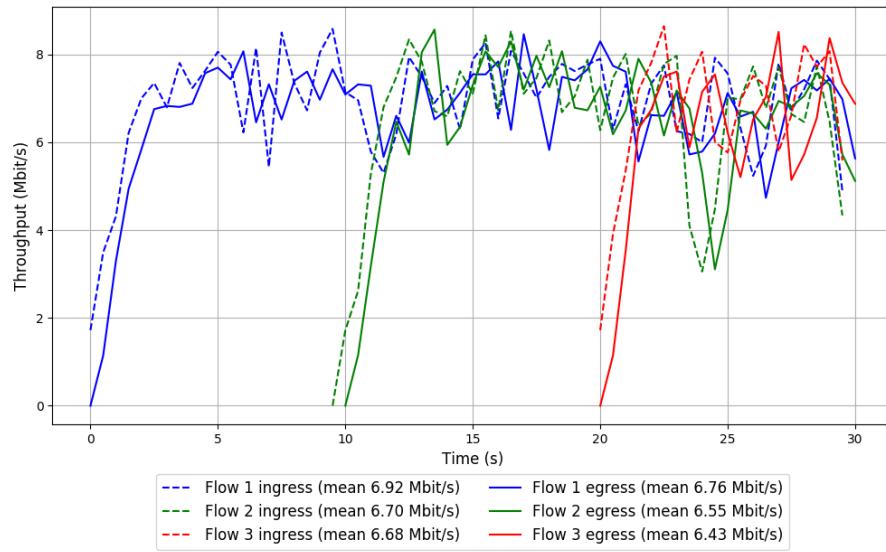


Run 8: Statistics of Sprout

```
Start at: 2018-05-24 16:36:10
End at: 2018-05-24 16:36:40
Local clock offset: 3.604 ms
Remote clock offset: 9.907 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 71.438 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 71.431 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 71.319 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 71.677 ms
Loss rate: 3.74%
```

Run 8: Report of Sprout — Data Link

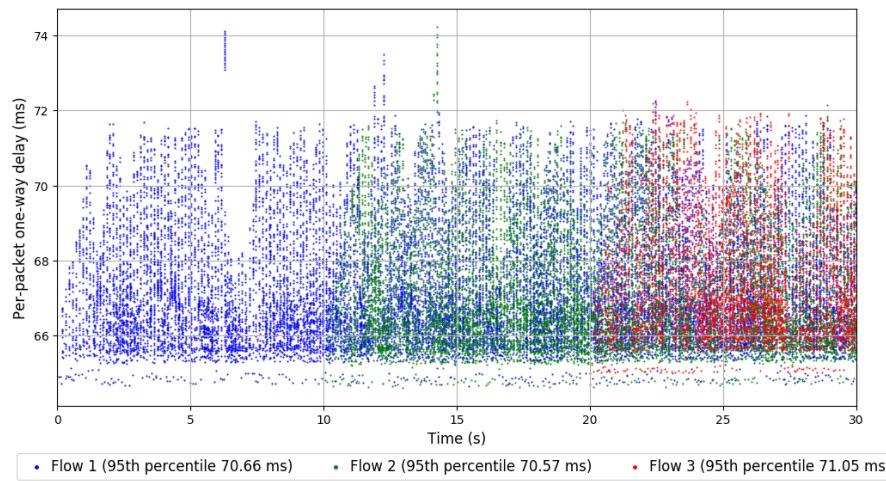
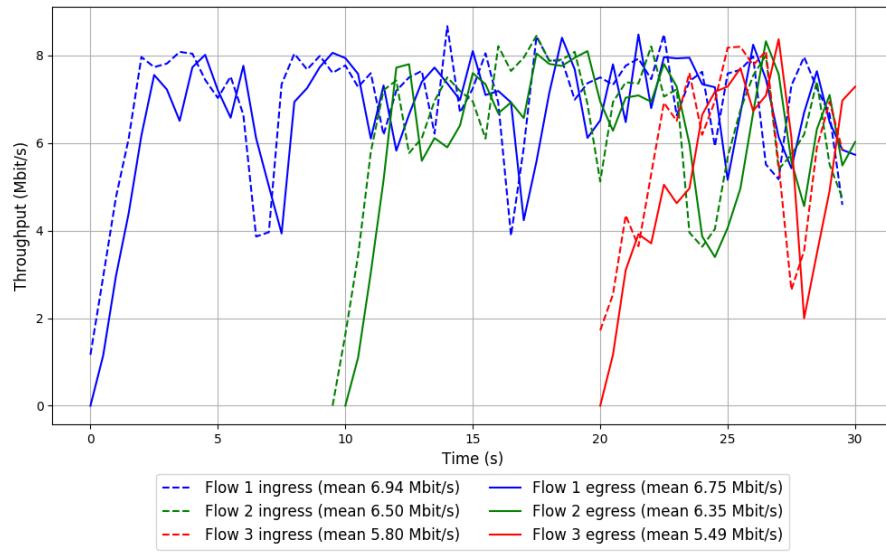


Run 9: Statistics of Sprout

```
Start at: 2018-05-24 16:57:40
End at: 2018-05-24 16:58:10
Local clock offset: 3.779 ms
Remote clock offset: -7.94 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 70.690 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 70.658 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 70.566 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 71.046 ms
Loss rate: 5.28%
```

Run 9: Report of Sprout — Data Link

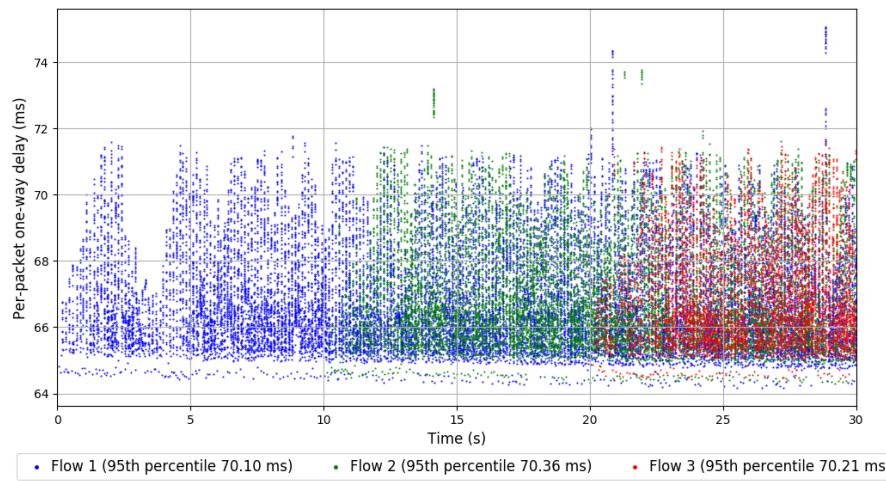
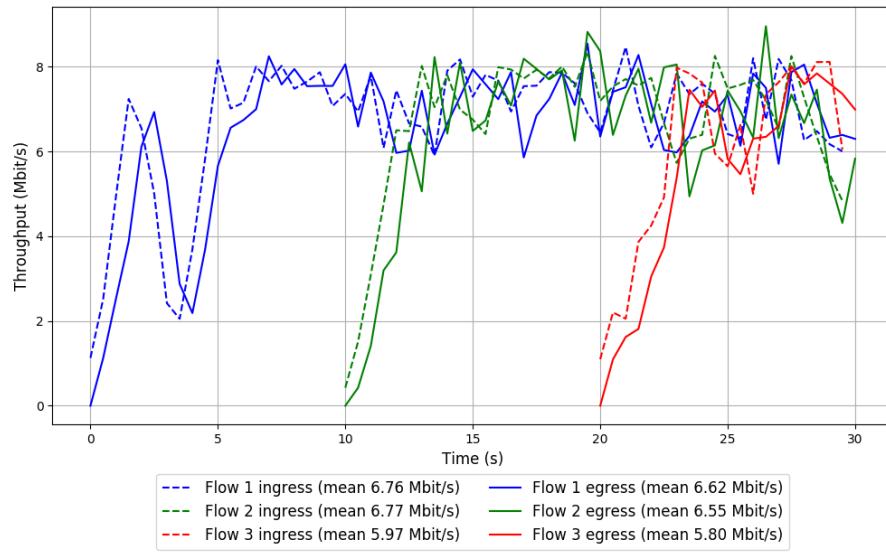


Run 10: Statistics of Sprout

```
Start at: 2018-05-24 17:20:24
End at: 2018-05-24 17:20:54
Local clock offset: 0.456 ms
Remote clock offset: 28.625 ms

# Below is generated by plot.py at 2018-05-24 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 70.219 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 70.098 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 70.365 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 70.210 ms
Loss rate: 2.83%
```

Run 10: Report of Sprout — Data Link

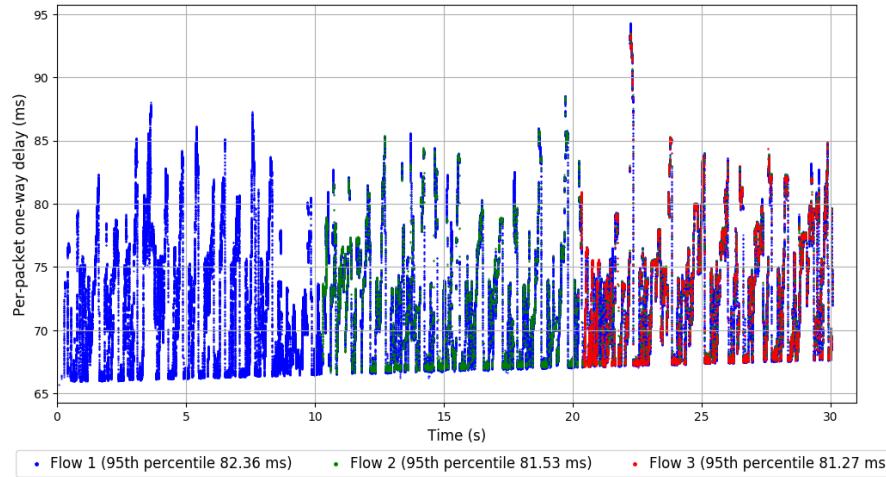
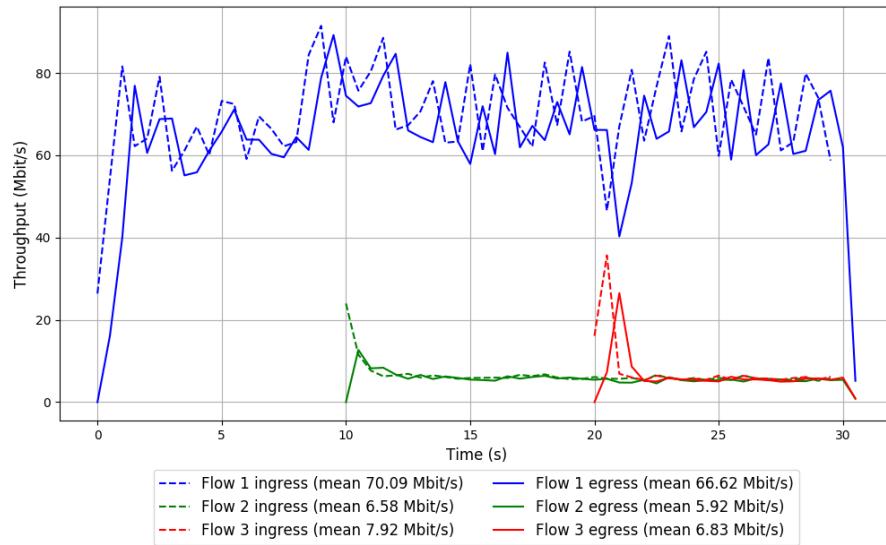


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-24 14:12:18
End at: 2018-05-24 14:12:48
Local clock offset: 1.096 ms
Remote clock offset: 65.17 ms

# Below is generated by plot.py at 2018-05-24 17:42:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 82.238 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 82.356 ms
Loss rate: 4.93%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 81.528 ms
Loss rate: 10.01%
-- Flow 3:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 81.272 ms
Loss rate: 13.78%
```

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

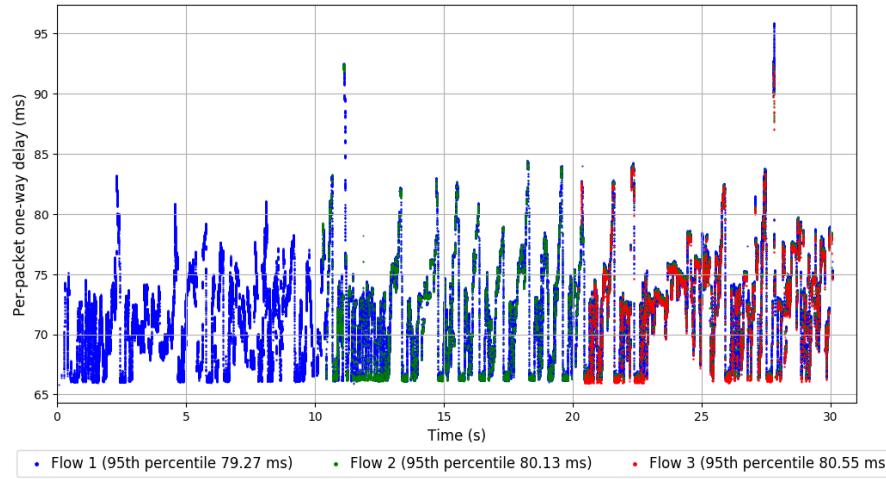
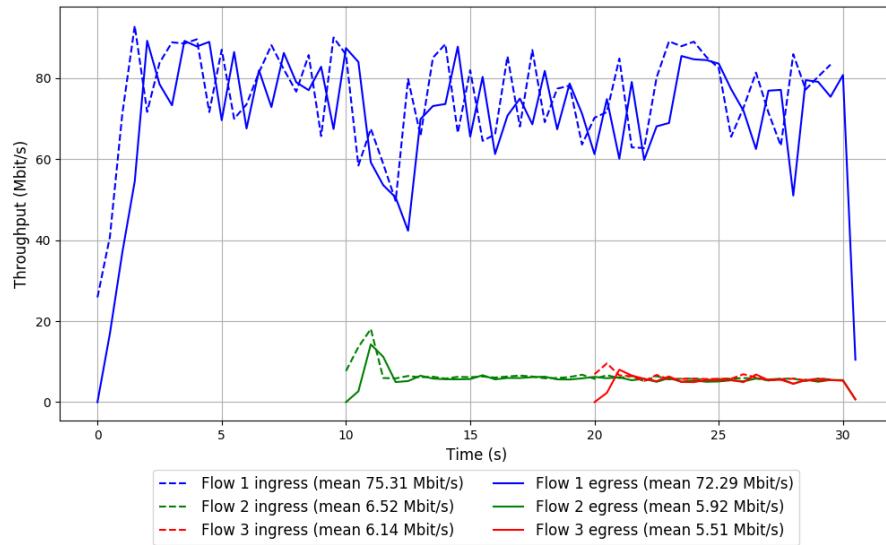


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-24 14:33:43
End at: 2018-05-24 14:34:13
Local clock offset: 3.211 ms
Remote clock offset: 33.621 ms

# Below is generated by plot.py at 2018-05-24 17:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 79.316 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 79.270 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 80.130 ms
Loss rate: 9.16%
-- Flow 3:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 80.551 ms
Loss rate: 10.21%
```

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

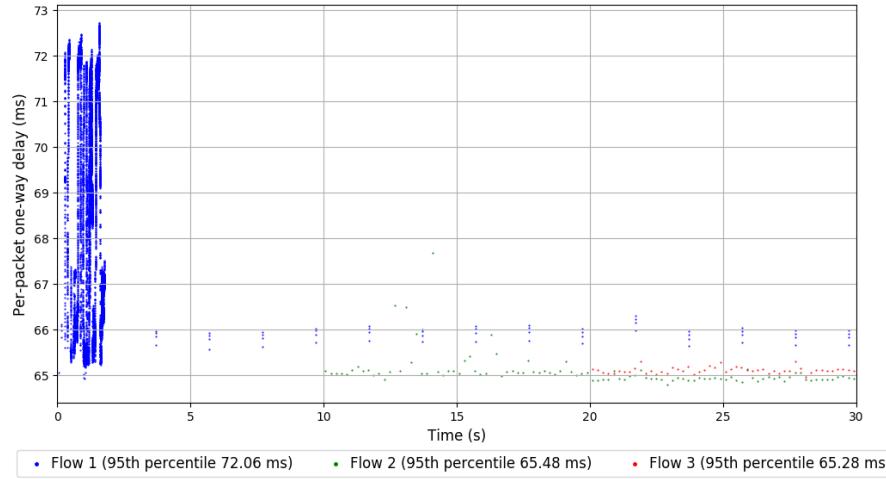
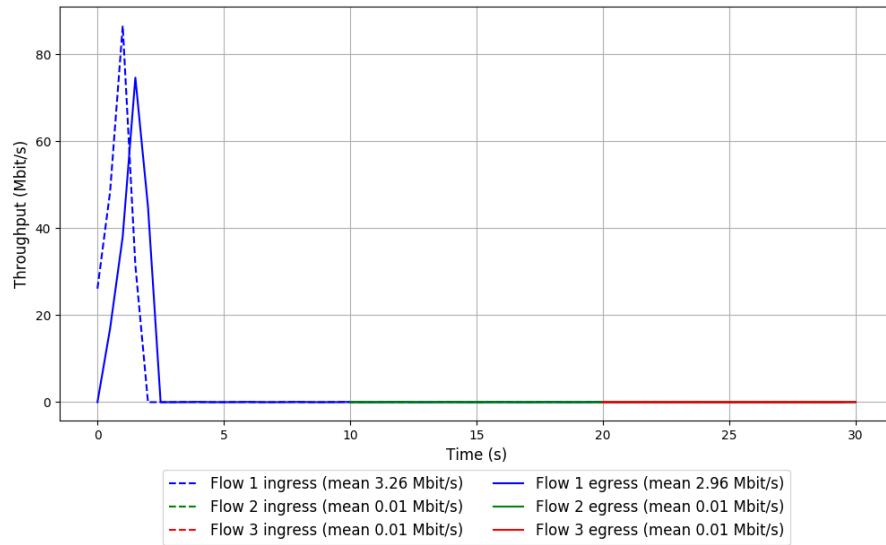


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-24 14:55:09
End at: 2018-05-24 14:55:39
Local clock offset: 5.612 ms
Remote clock offset: 23.332 ms

# Below is generated by plot.py at 2018-05-24 17:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 72.059 ms
Loss rate: 9.25%
-- Flow 1:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 72.061 ms
Loss rate: 9.26%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 65.279 ms
Loss rate: 0.00%
```

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

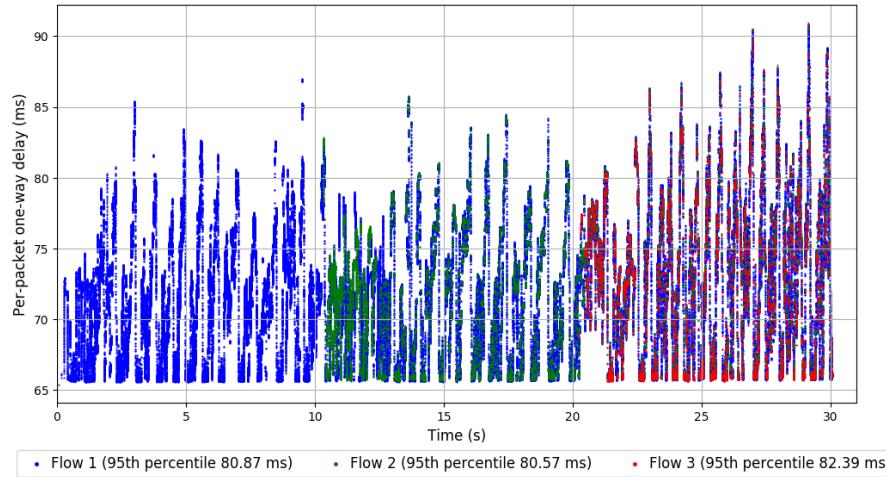
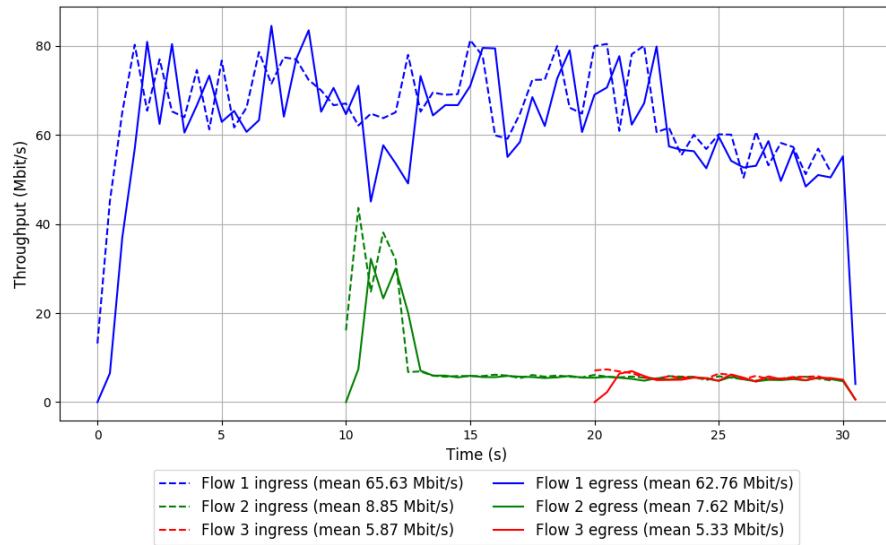


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-24 15:16:59
End at: 2018-05-24 15:17:29
Local clock offset: 2.788 ms
Remote clock offset: 16.14 ms

# Below is generated by plot.py at 2018-05-24 17:42:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 80.892 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 80.866 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 80.574 ms
Loss rate: 13.93%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 82.388 ms
Loss rate: 9.35%
```

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

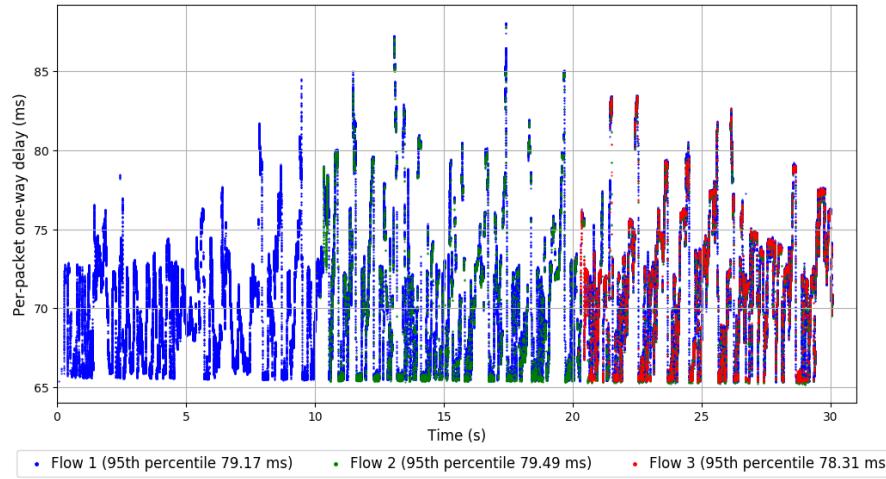
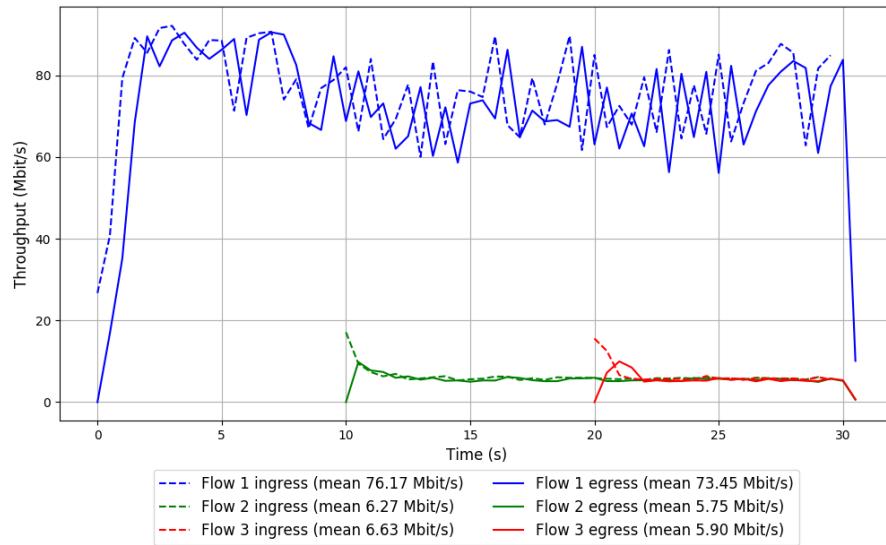


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-24 15:38:28
End at: 2018-05-24 15:38:58
Local clock offset: 2.262 ms
Remote clock offset: 44.887 ms

# Below is generated by plot.py at 2018-05-24 17:42:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 79.162 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 73.45 Mbit/s
95th percentile per-packet one-way delay: 79.166 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 79.488 ms
Loss rate: 8.40%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 78.309 ms
Loss rate: 11.05%
```

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

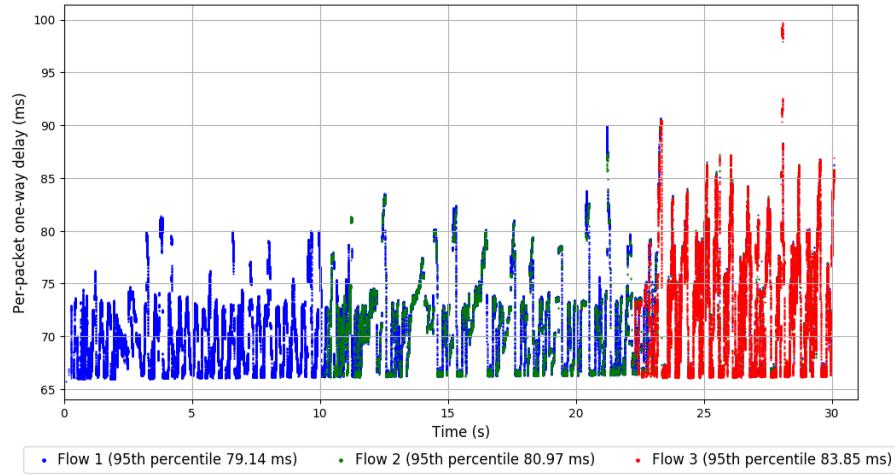
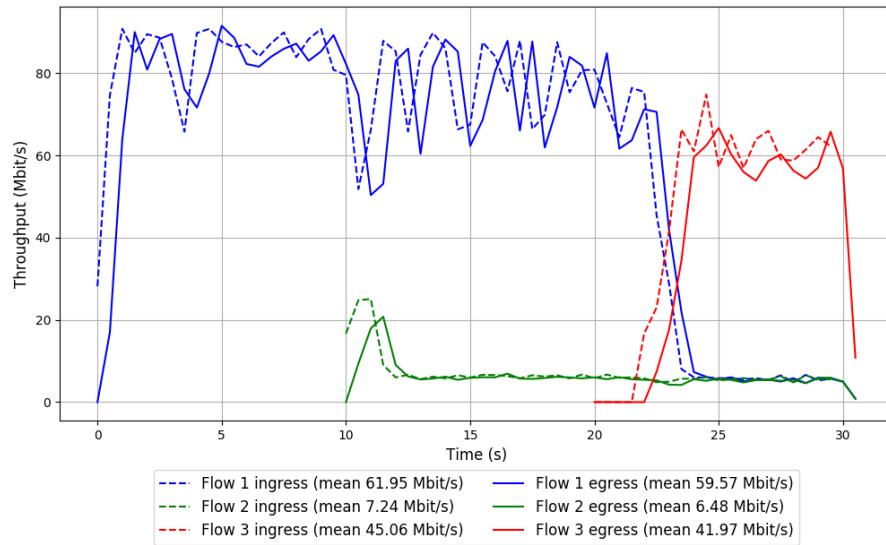


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-24 15:59:58
End at: 2018-05-24 16:00:28
Local clock offset: 2.15 ms
Remote clock offset: 39.05 ms

# Below is generated by plot.py at 2018-05-24 17:42:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 80.406 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 79.137 ms
Loss rate: 3.77%
-- Flow 2:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 80.972 ms
Loss rate: 10.41%
-- Flow 3:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 83.847 ms
Loss rate: 6.67%
```

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

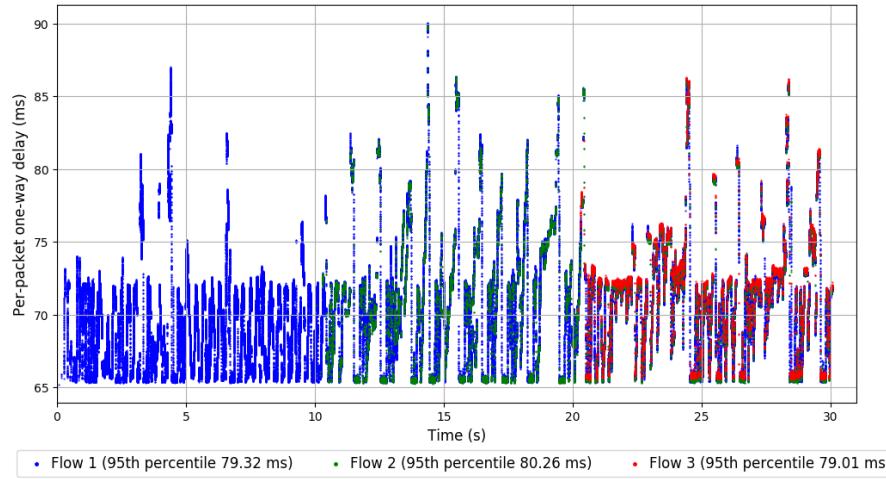
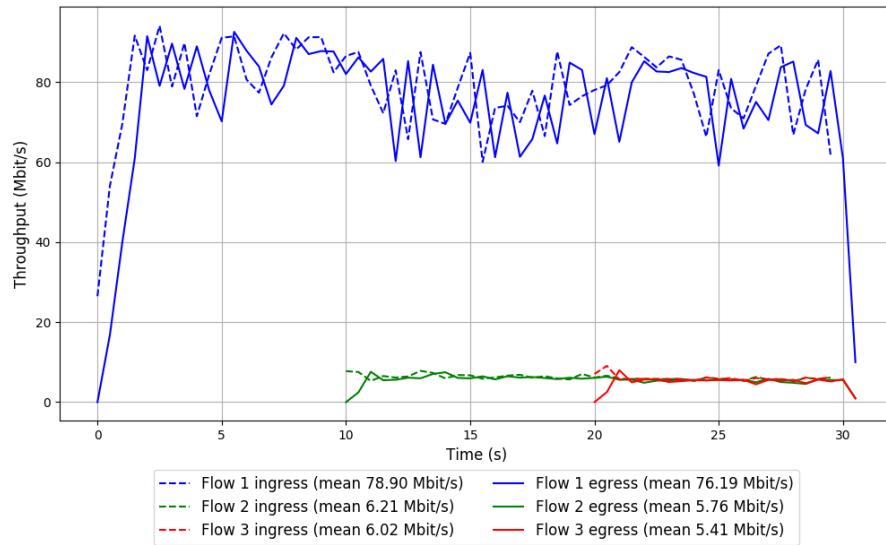


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-24 16:21:29
End at: 2018-05-24 16:21:59
Local clock offset: 2.197 ms
Remote clock offset: 29.168 ms

# Below is generated by plot.py at 2018-05-24 17:42:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 79.350 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 79.320 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 80.261 ms
Loss rate: 7.32%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 79.010 ms
Loss rate: 10.15%
```

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

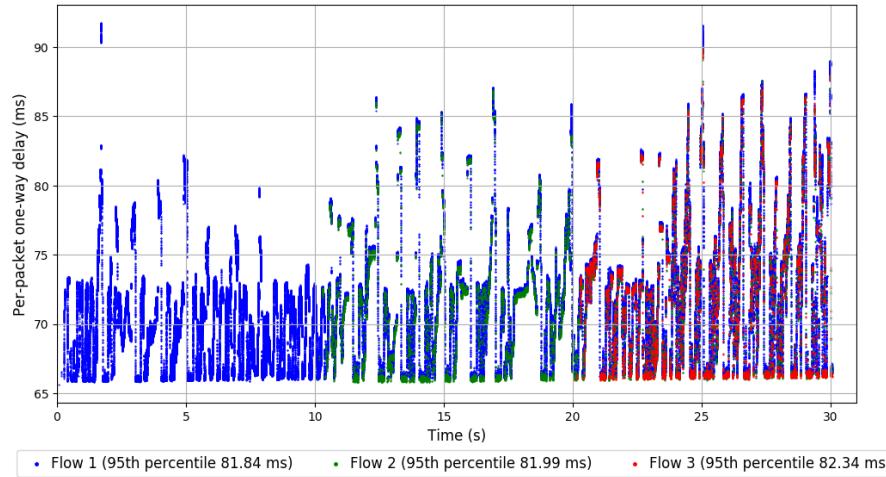
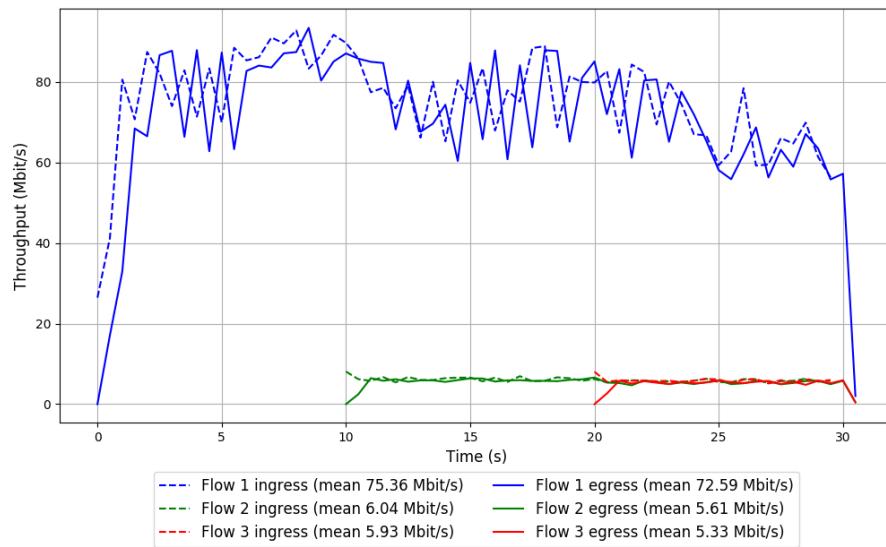


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-24 16:42:58
End at: 2018-05-24 16:43:28
Local clock offset: 3.934 ms
Remote clock offset: 2.341 ms

# Below is generated by plot.py at 2018-05-24 17:42:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 81.875 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 72.59 Mbit/s
95th percentile per-packet one-way delay: 81.845 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 81.989 ms
Loss rate: 7.15%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 82.336 ms
Loss rate: 10.05%
```

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

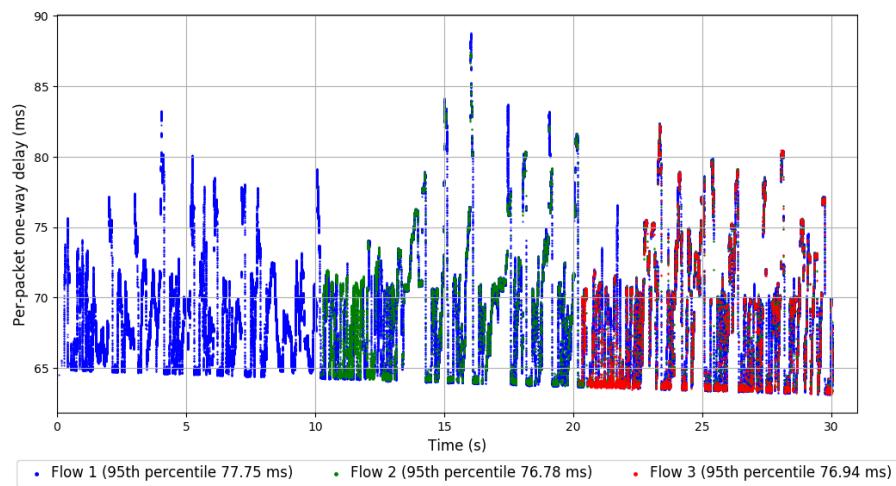
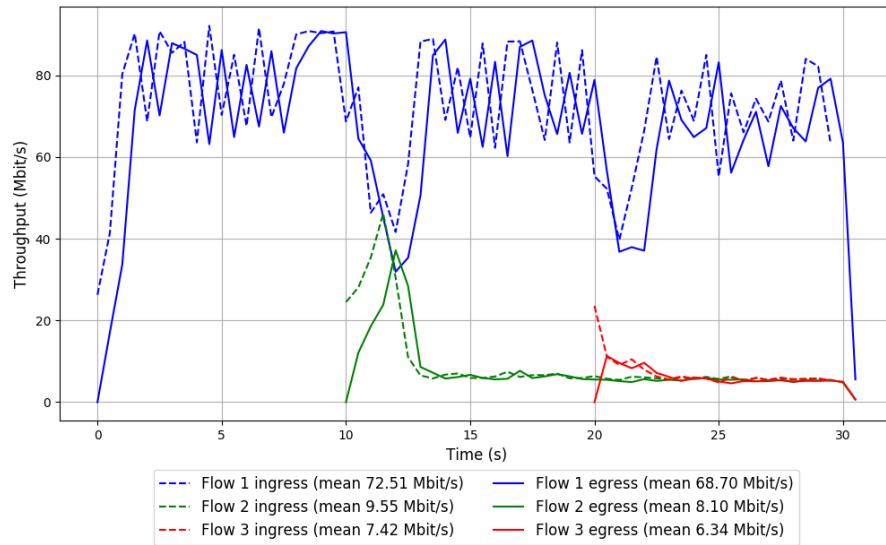


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-24 17:04:29
End at: 2018-05-24 17:04:59
Local clock offset: 1.985 ms
Remote clock offset: 2.869 ms

# Below is generated by plot.py at 2018-05-24 17:42:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 77.691 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 77.751 ms
Loss rate: 5.25%
-- Flow 2:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 76.785 ms
Loss rate: 15.20%
-- Flow 3:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 76.935 ms
Loss rate: 14.72%
```

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

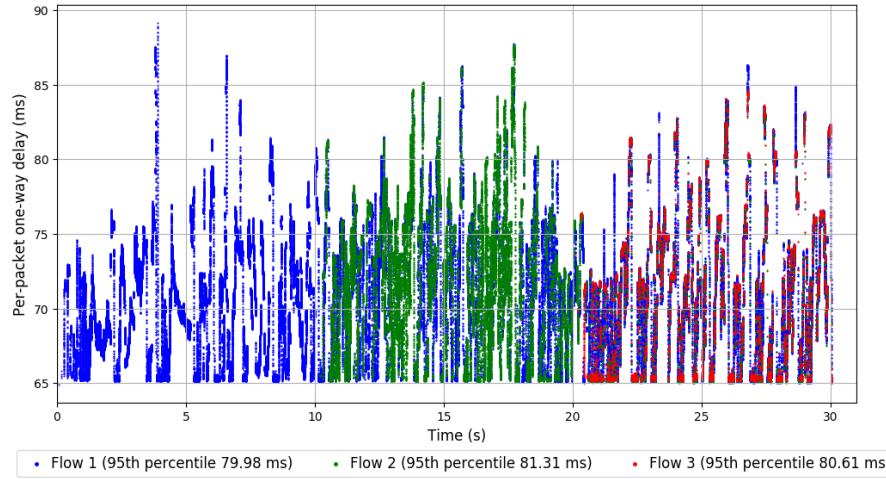
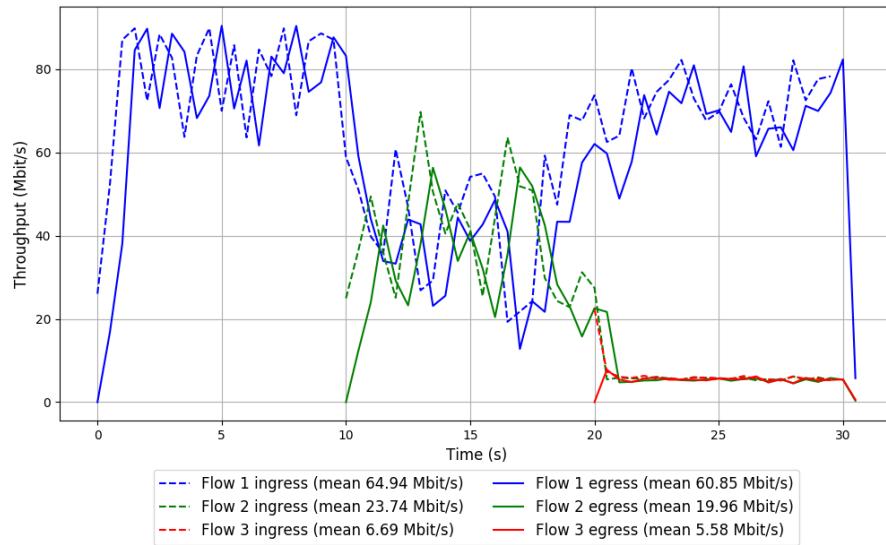


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-24 17:27:13
End at: 2018-05-24 17:27:43
Local clock offset: 0.292 ms
Remote clock offset: 31.78 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 80.165 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 79.981 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 81.309 ms
Loss rate: 15.96%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 80.606 ms
Loss rate: 16.66%
```

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

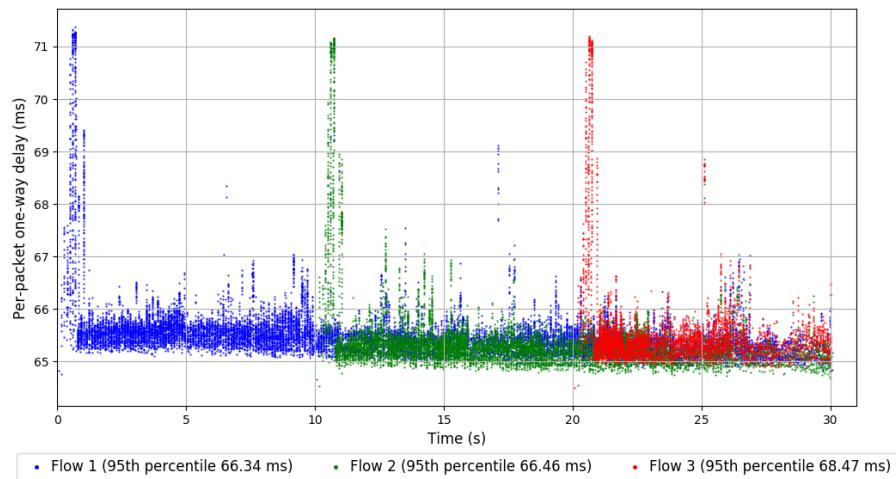
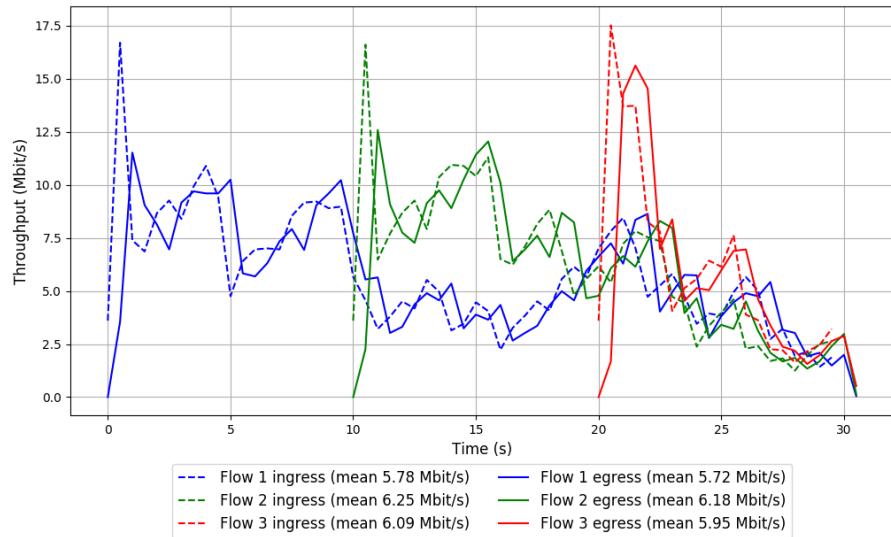


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-24 13:57:36
End at: 2018-05-24 13:58:06
Local clock offset: 2.239 ms
Remote clock offset: 63.122 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 66.564 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 66.342 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 66.457 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 68.467 ms
Loss rate: 2.34%
```

Run 1: Report of TCP Vegas — Data Link

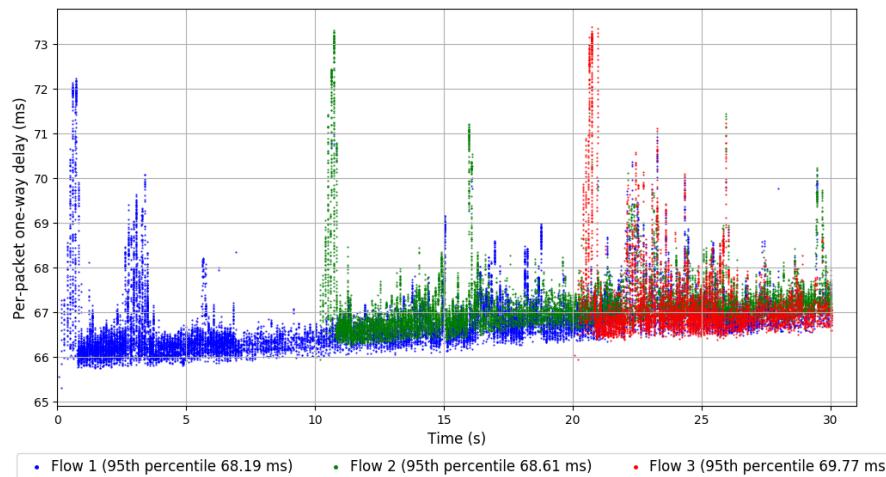
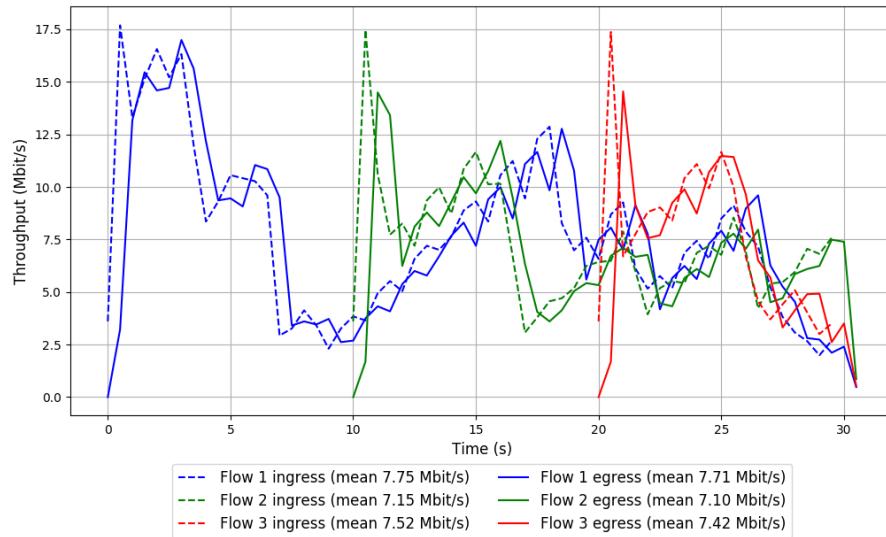


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-24 14:19:01
End at: 2018-05-24 14:19:31
Local clock offset: 0.966 ms
Remote clock offset: 47.595 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 68.530 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 68.186 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 68.615 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 69.767 ms
Loss rate: 1.27%
```

Run 2: Report of TCP Vegas — Data Link

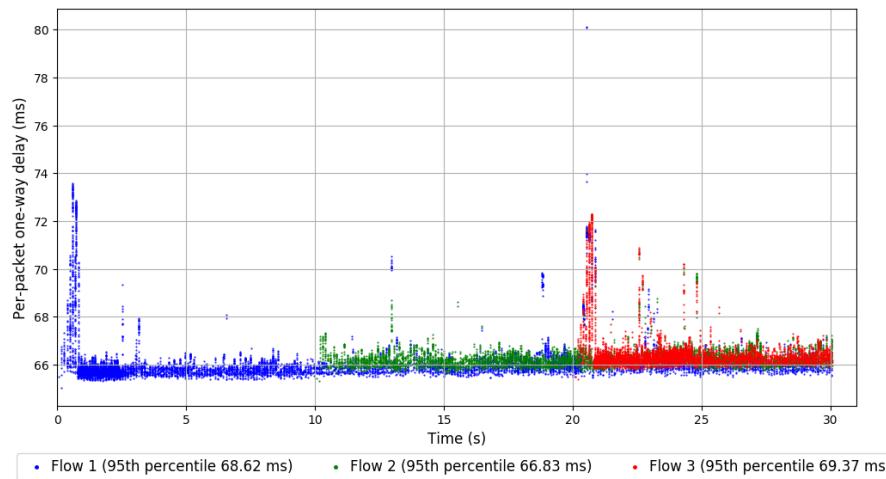
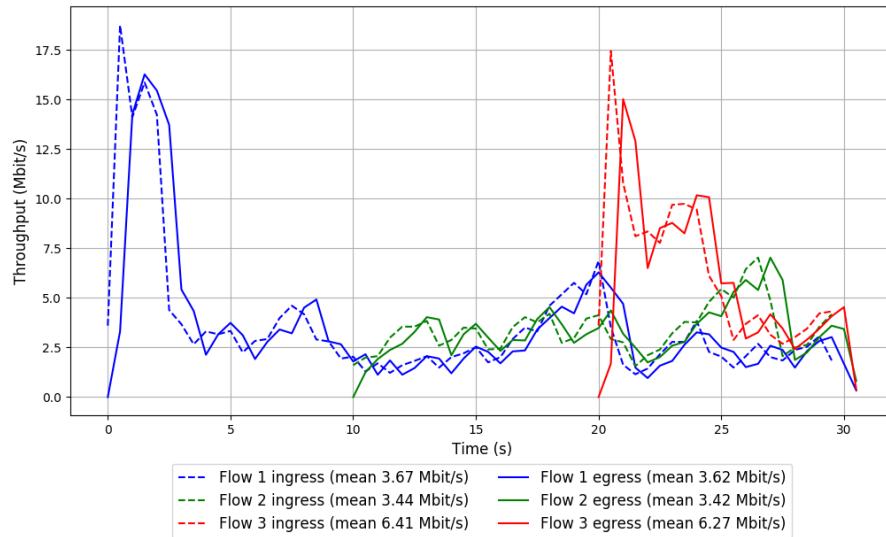


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-24 14:40:26
End at: 2018-05-24 14:40:56
Local clock offset: 4.376 ms
Remote clock offset: 30.818 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 68.085 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 68.619 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 66.826 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 69.373 ms
Loss rate: 2.10%
```

Run 3: Report of TCP Vegas — Data Link

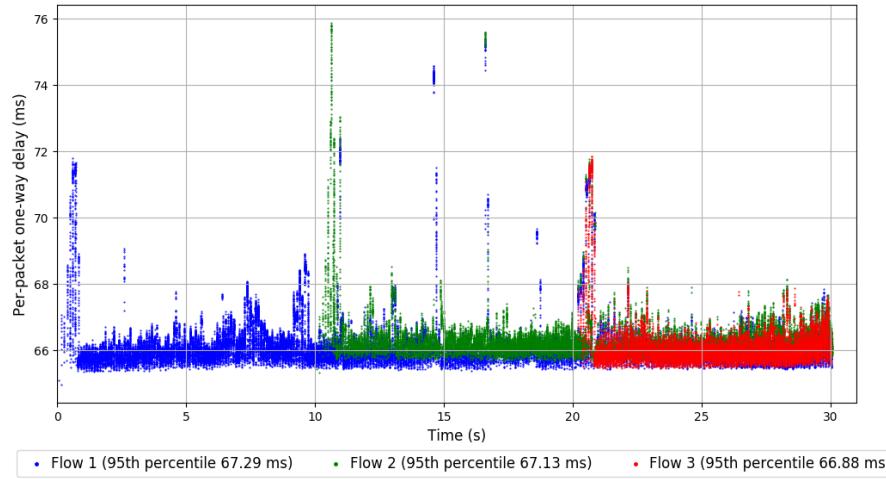
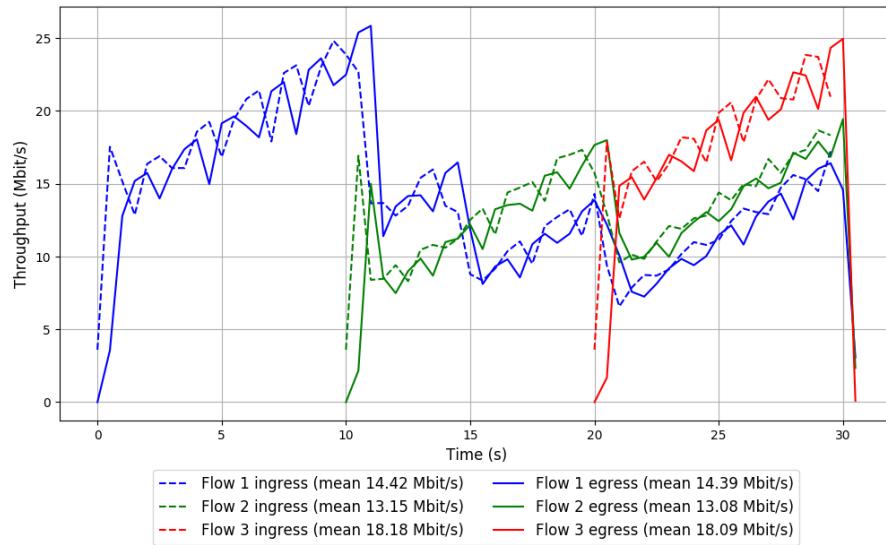


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-24 15:02:14
End at: 2018-05-24 15:02:44
Local clock offset: 3.905 ms
Remote clock offset: 20.586 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 67.136 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 67.288 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 67.130 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 66.875 ms
Loss rate: 0.52%
```

Run 4: Report of TCP Vegas — Data Link

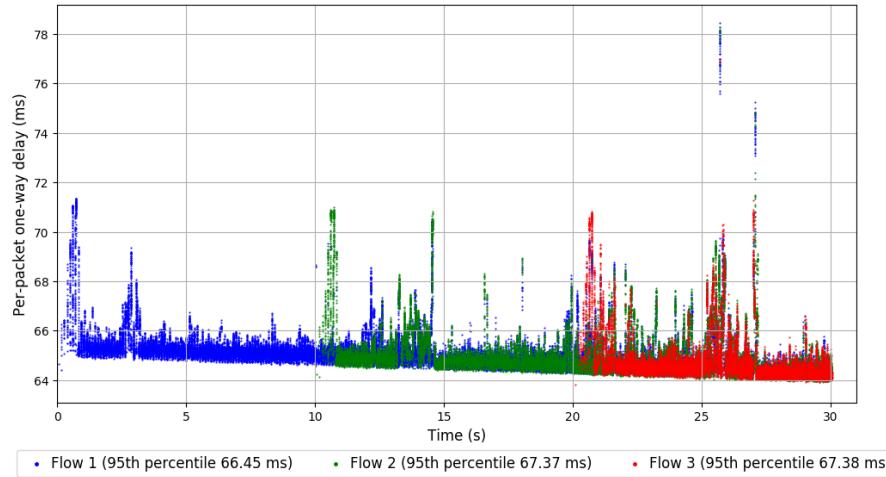
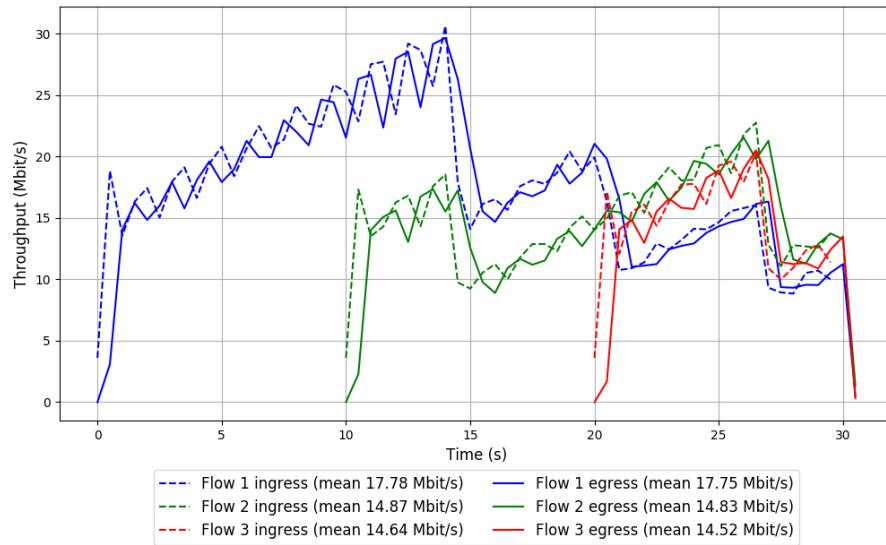


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-24 15:23:43
End at: 2018-05-24 15:24:13
Local clock offset: 2.796 ms
Remote clock offset: 28.001 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 66.449 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 67.367 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 67.384 ms
Loss rate: 0.85%
```

Run 5: Report of TCP Vegas — Data Link

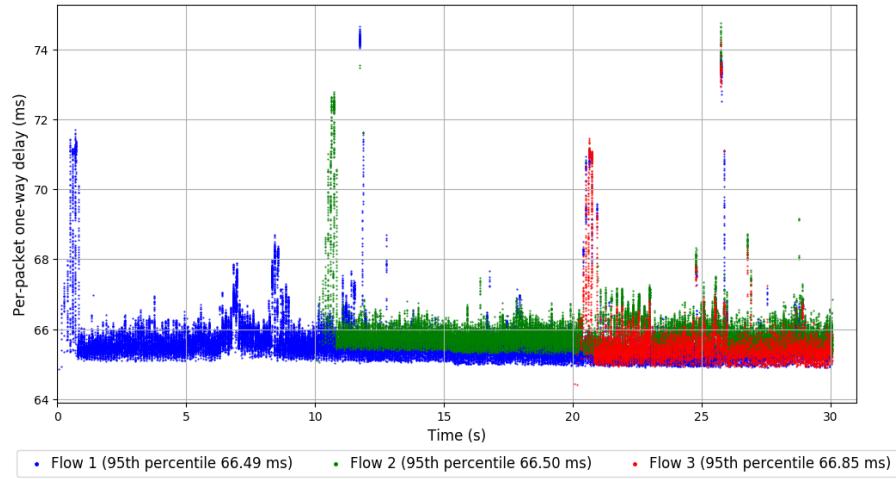
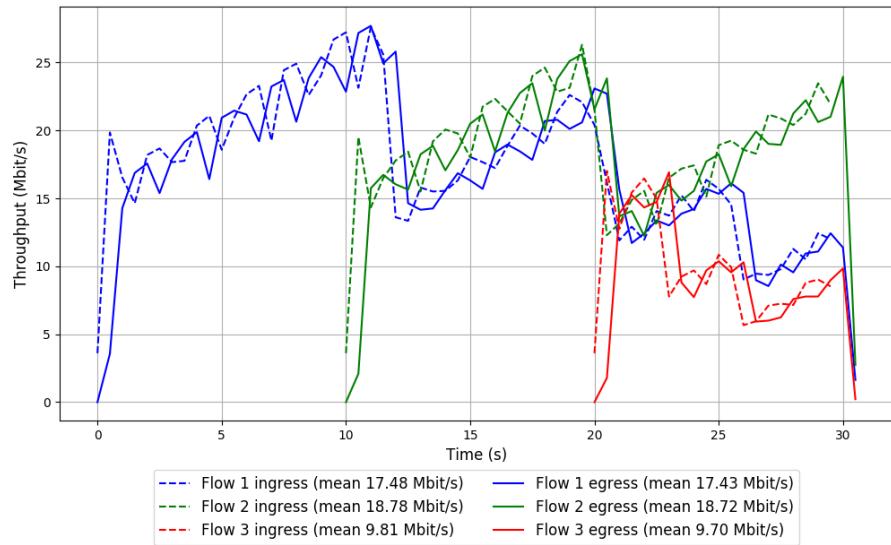


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-24 15:45:12
End at: 2018-05-24 15:45:42
Local clock offset: 2.384 ms
Remote clock offset: 48.348 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 66.514 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 66.486 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 1.13%
```

Run 6: Report of TCP Vegas — Data Link

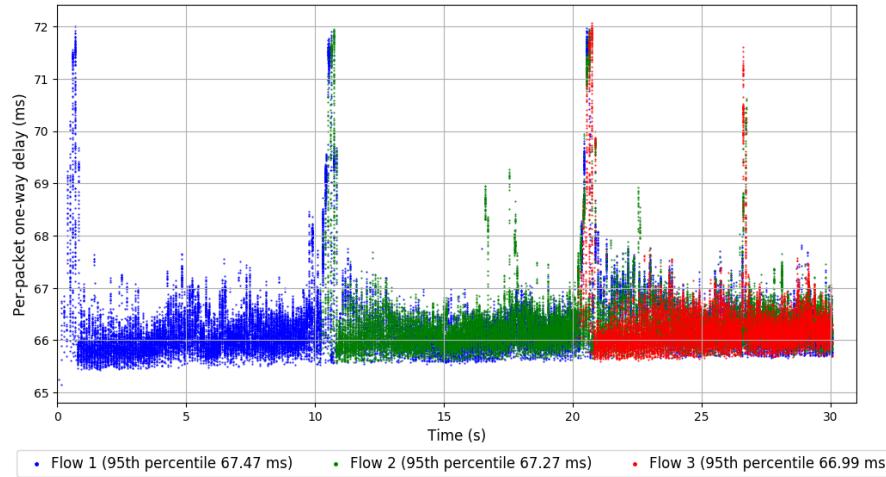
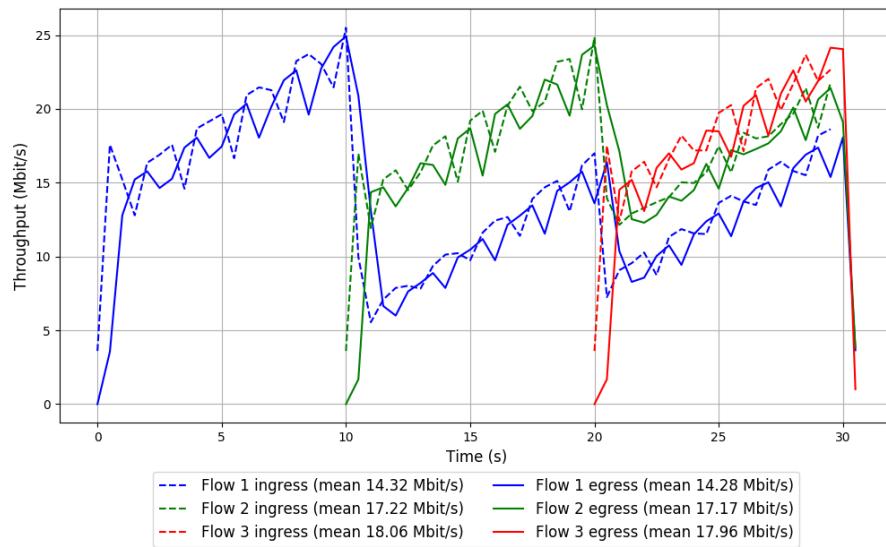


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:06:42
End at: 2018-05-24 16:07:12
Local clock offset: 2.176 ms
Remote clock offset: 33.261 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 67.295 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 67.466 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 67.266 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 0.54%
```

Run 7: Report of TCP Vegas — Data Link

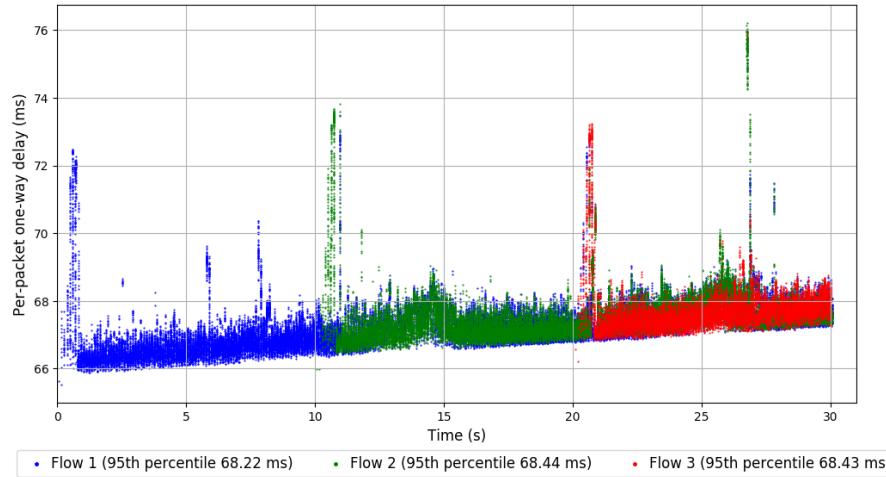
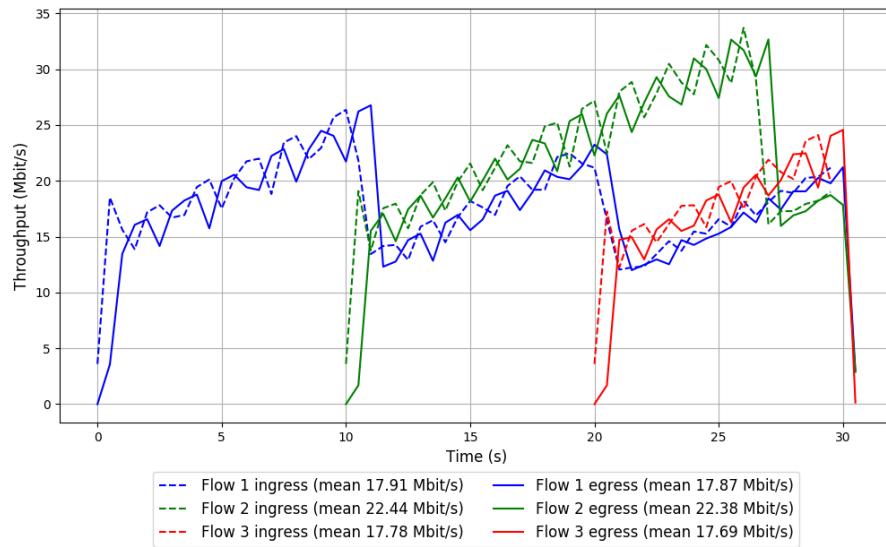


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:28:13
End at: 2018-05-24 16:28:43
Local clock offset: 2.551 ms
Remote clock offset: 25.697 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 68.338 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 68.221 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 68.437 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 68.430 ms
Loss rate: 0.45%
```

Run 8: Report of TCP Vegas — Data Link

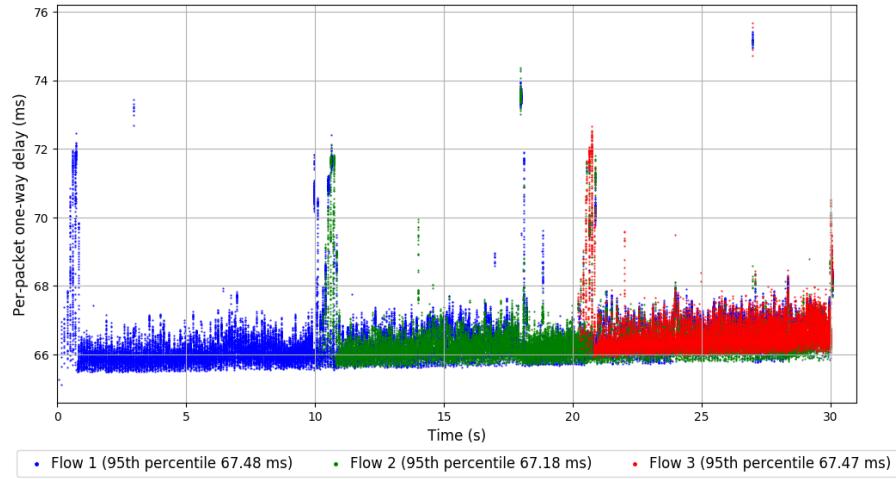
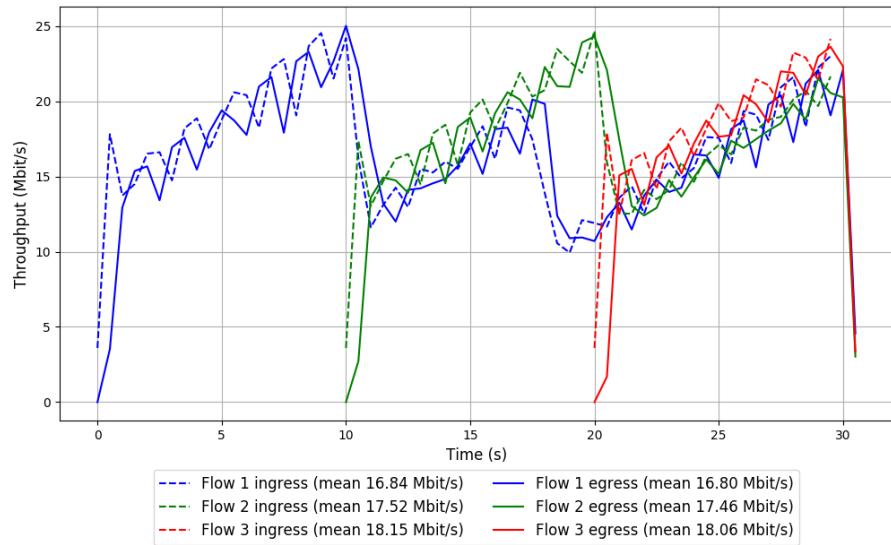


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-24 16:49:43
End at: 2018-05-24 16:50:13
Local clock offset: 4.435 ms
Remote clock offset: -2.837 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 67.385 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 67.480 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 67.182 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 67.469 ms
Loss rate: 0.48%
```

Run 9: Report of TCP Vegas — Data Link

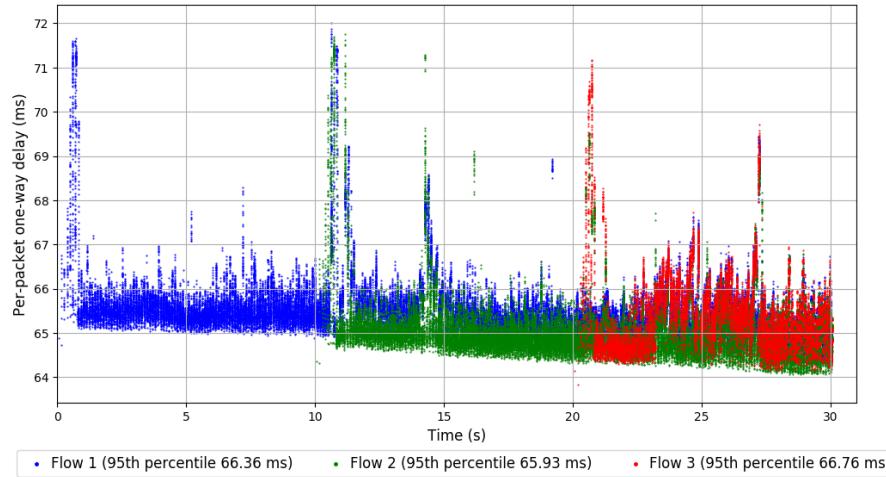
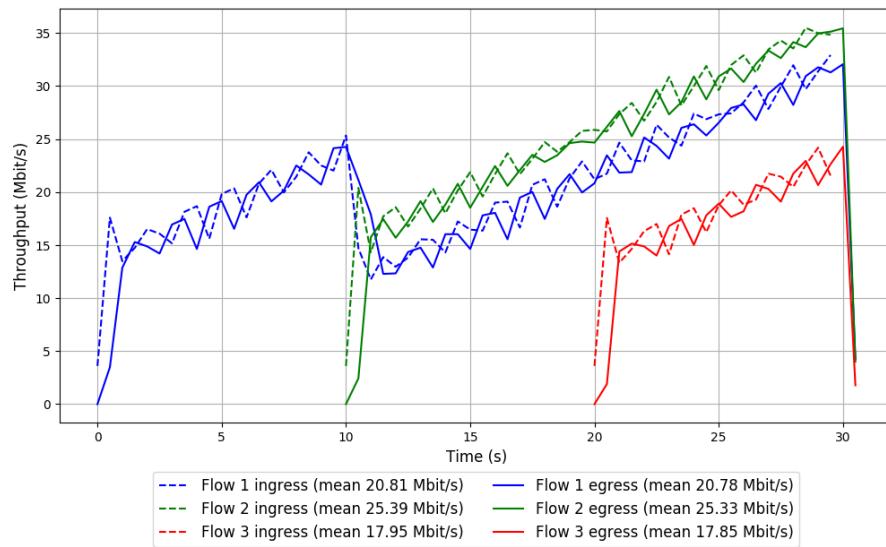


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-24 17:11:14
End at: 2018-05-24 17:11:44
Local clock offset: 0.863 ms
Remote clock offset: 19.011 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 66.363 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 66.363 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 65.927 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 66.762 ms
Loss rate: 0.52%
```

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 14:01:33

End at: 2018-05-24 14:02:03

Local clock offset: 1.8 ms

Remote clock offset: 65.955 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 14:22:57
End at: 2018-05-24 14:23:27
Local clock offset: 0.983 ms
Remote clock offset: 41.655 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 14:44:22

End at: 2018-05-24 14:44:52

Local clock offset: 4.568 ms

Remote clock offset: 29.73 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 15:06:12
End at: 2018-05-24 15:06:42
Local clock offset: 3.458 ms
Remote clock offset: 19.314 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 15:27:41
End at: 2018-05-24 15:28:11
Local clock offset: 2.466 ms
Remote clock offset: 34.913 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 15:49:10
End at: 2018-05-24 15:49:40
Local clock offset: 2.282 ms
Remote clock offset: 50.111 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 16:10:40

End at: 2018-05-24 16:11:10

Local clock offset: 2.193 ms

Remote clock offset: 31.47 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 16:32:11
End at: 2018-05-24 16:32:41
Local clock offset: 3.237 ms
Remote clock offset: 16.464 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 16:53:41
End at: 2018-05-24 16:54:11
Local clock offset: 4.435 ms
Remote clock offset: -5.463 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 17:16:26
End at: 2018-05-24 17:16:56
Local clock offset: 0.674 ms
Remote clock offset: 25.672 ms

Run 10: Report of Verus — Data Link

Figure is missing

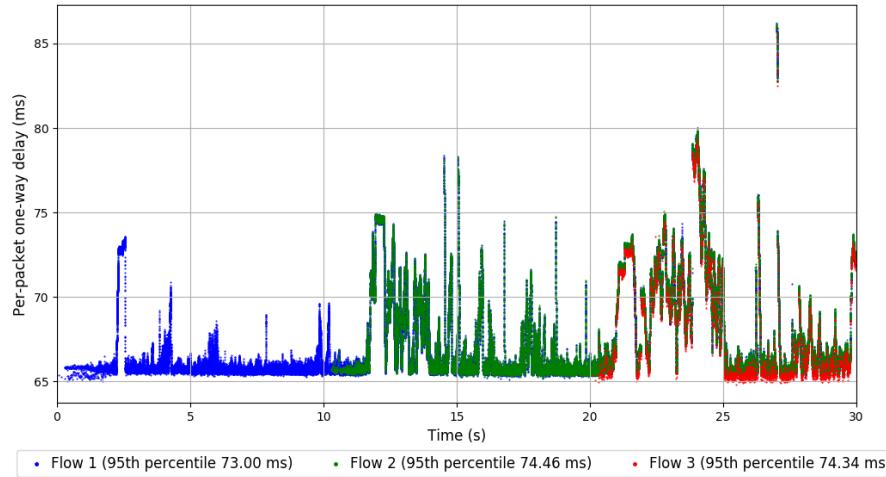
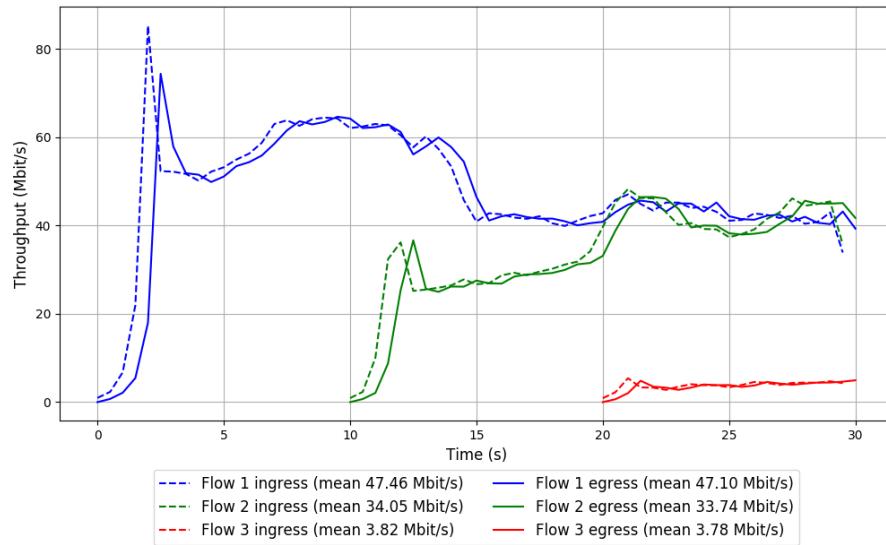
Figure is missing

Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:06:49
End at: 2018-05-24 14:07:19
Local clock offset: 1.285 ms
Remote clock offset: 69.329 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.80 Mbit/s
95th percentile per-packet one-way delay: 73.210 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 72.998 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 74.462 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 74.338 ms
Loss rate: 0.97%
```

Run 1: Report of PCC-Vivace — Data Link

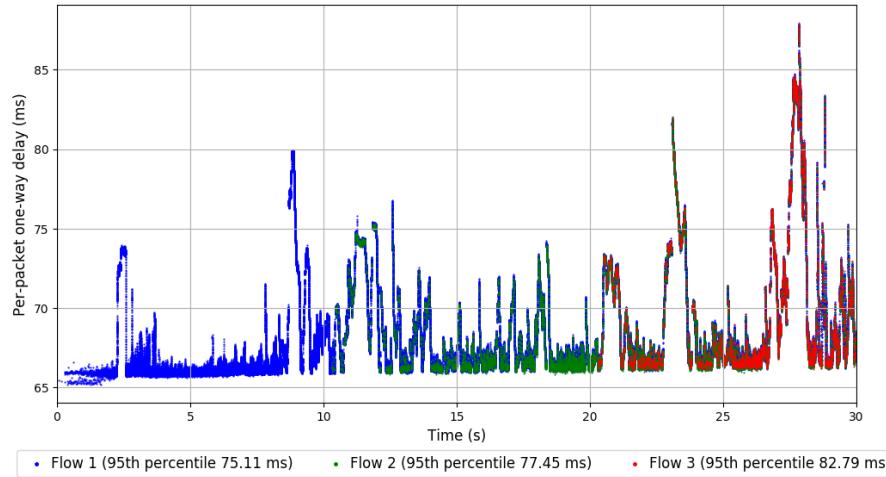
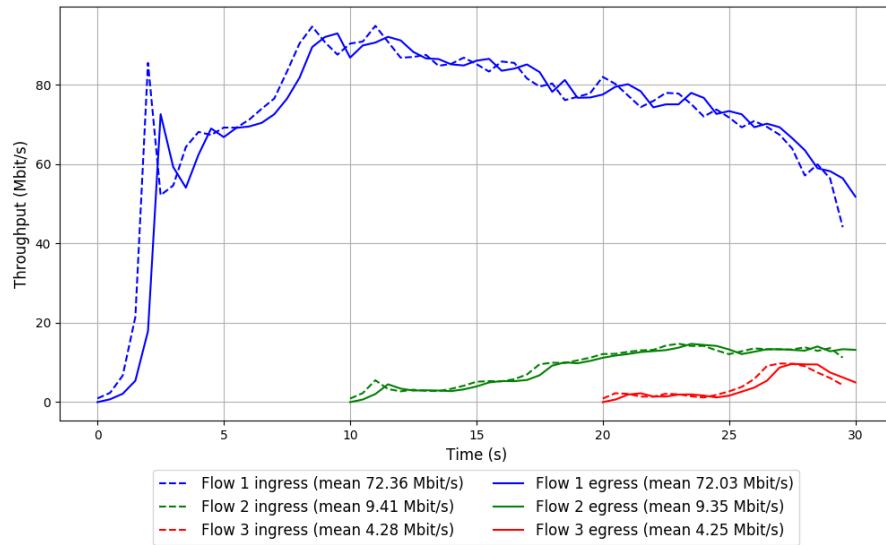


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:28:13
End at: 2018-05-24 14:28:43
Local clock offset: 1.717 ms
Remote clock offset: 36.747 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 75.270 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 75.109 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 77.452 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 82.793 ms
Loss rate: 0.69%
```

Run 2: Report of PCC-Vivace — Data Link

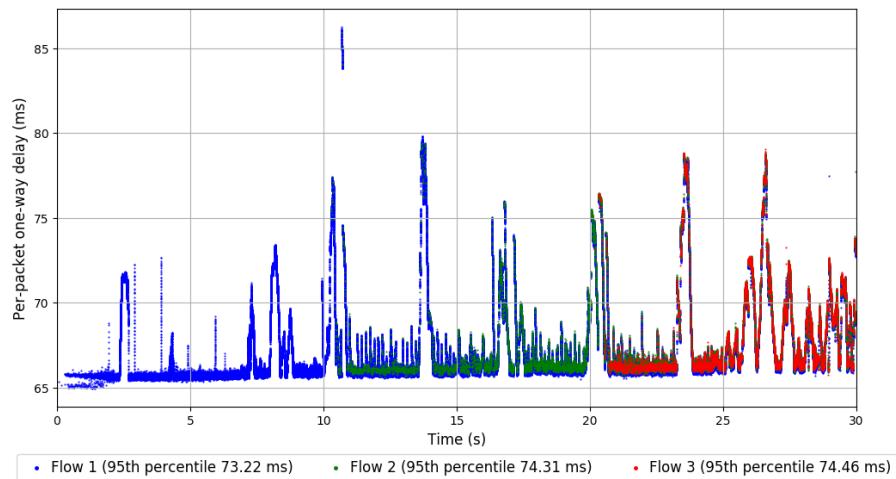
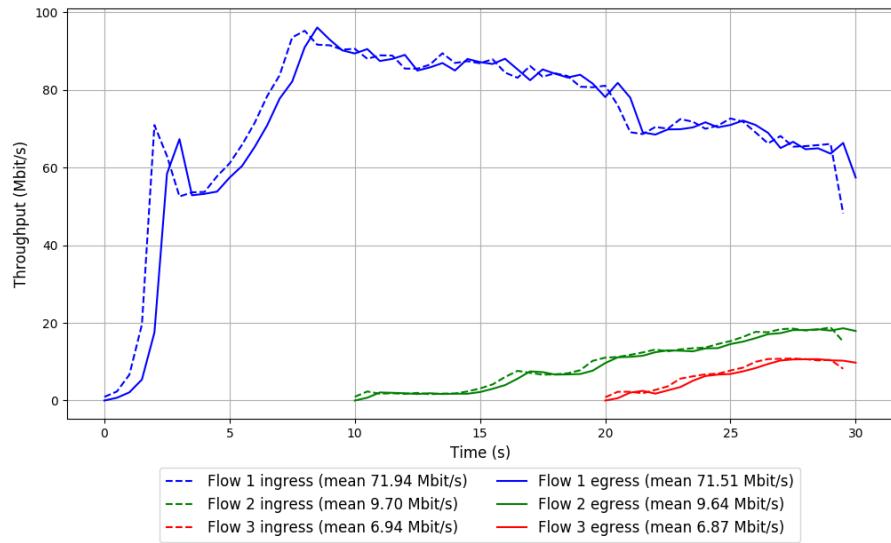


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-24 14:49:39
End at: 2018-05-24 14:50:09
Local clock offset: 5.043 ms
Remote clock offset: 26.069 ms

# Below is generated by plot.py at 2018-05-24 17:44:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.19 Mbit/s
95th percentile per-packet one-way delay: 73.331 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 73.222 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 74.310 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 74.464 ms
Loss rate: 1.04%
```

Run 3: Report of PCC-Vivace — Data Link

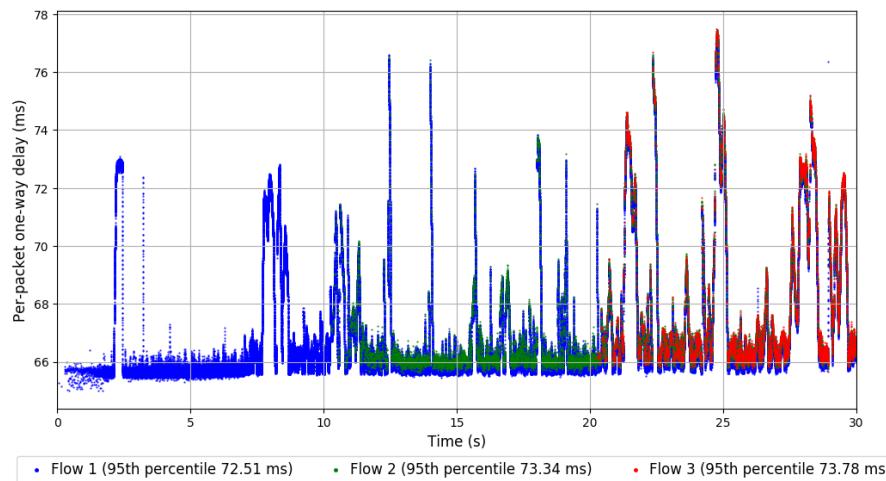
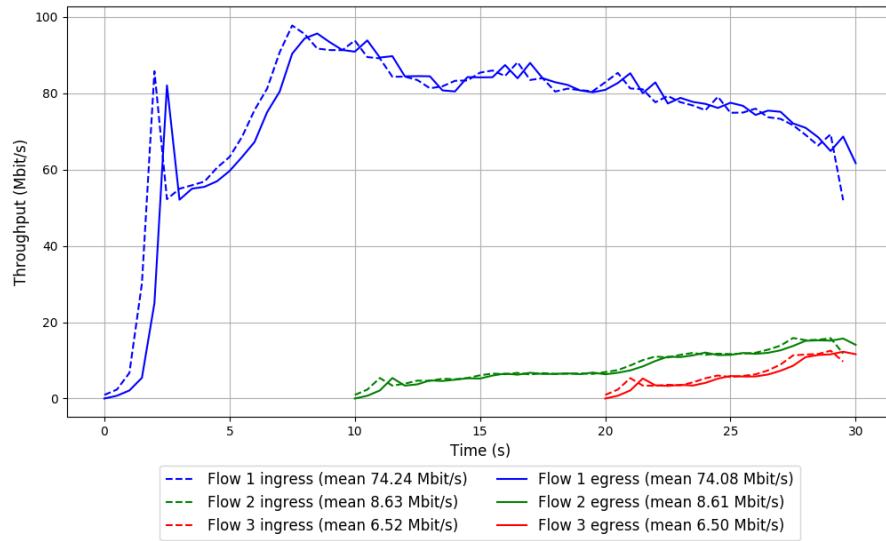


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-24 15:11:29
End at: 2018-05-24 15:11:59
Local clock offset: 3.067 ms
Remote clock offset: 17.882 ms

# Below is generated by plot.py at 2018-05-24 17:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 72.653 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 74.08 Mbit/s
95th percentile per-packet one-way delay: 72.513 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 73.343 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 73.782 ms
Loss rate: 0.29%
```

Run 4: Report of PCC-Vivace — Data Link

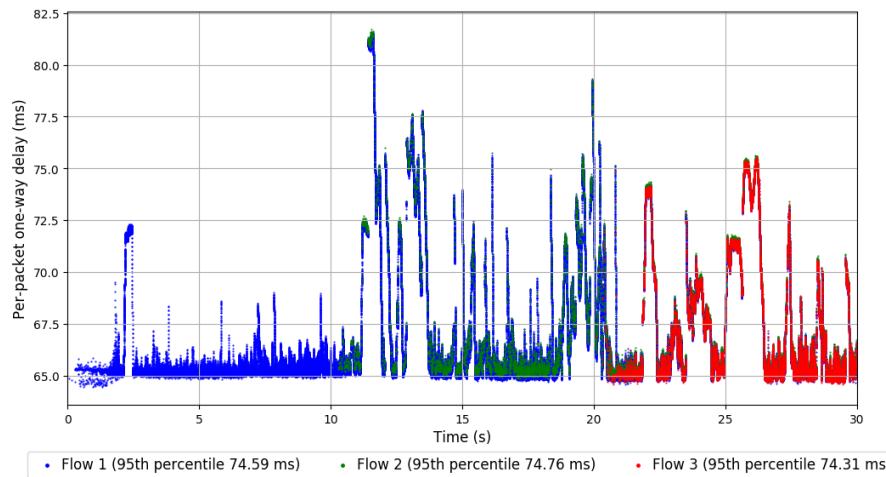
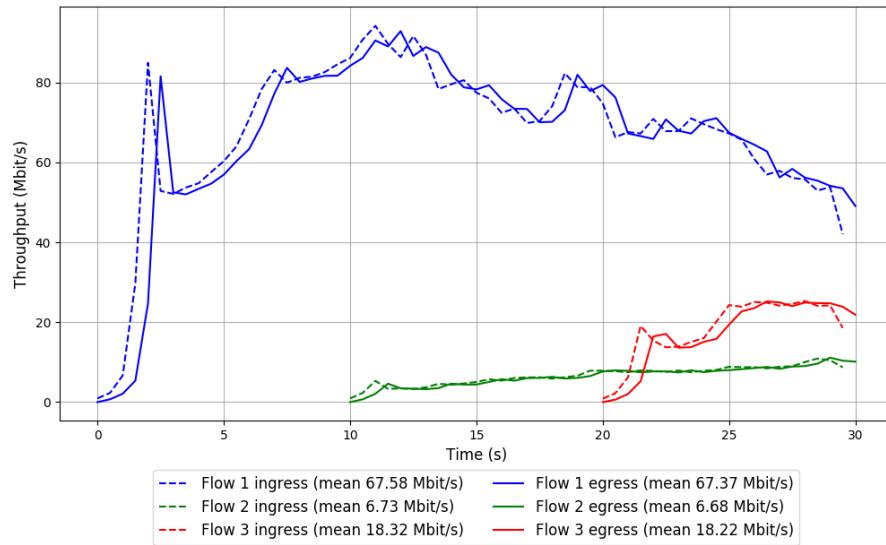


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-24 15:32:57
End at: 2018-05-24 15:33:27
Local clock offset: 2.51 ms
Remote clock offset: 40.797 ms

# Below is generated by plot.py at 2018-05-24 17:44:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 74.568 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 74.586 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 74.757 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 74.308 ms
Loss rate: 0.55%
```

Run 5: Report of PCC-Vivace — Data Link

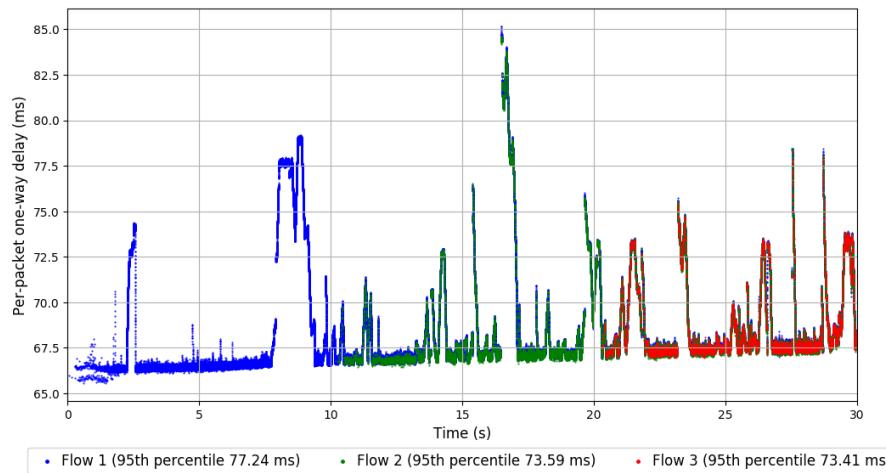
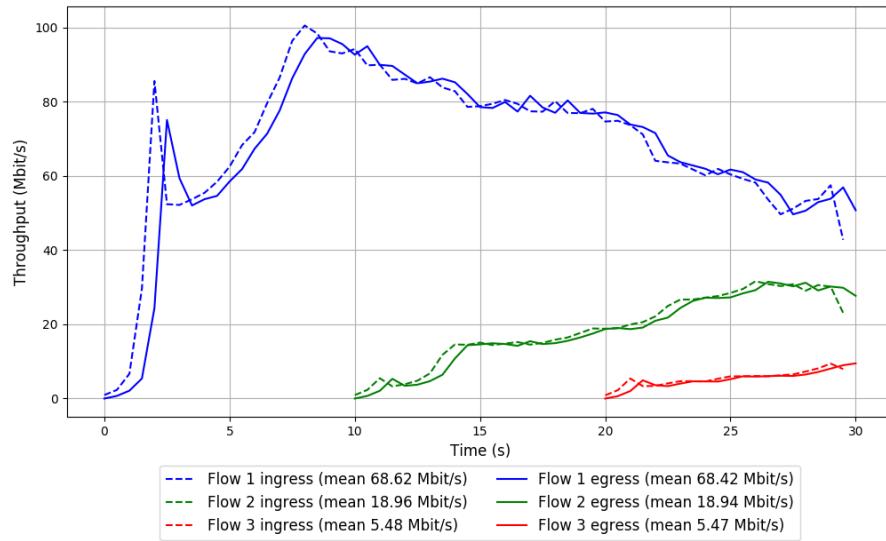


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-24 15:54:27
End at: 2018-05-24 15:54:57
Local clock offset: 2.185 ms
Remote clock offset: 48.64 ms

# Below is generated by plot.py at 2018-05-24 17:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 76.549 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 77.237 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 73.586 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 73.414 ms
Loss rate: 0.24%
```

Run 6: Report of PCC-Vivace — Data Link

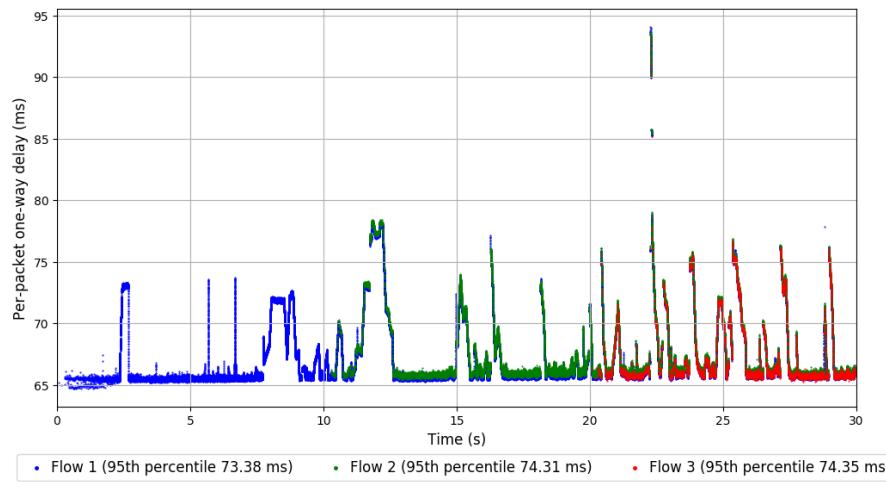
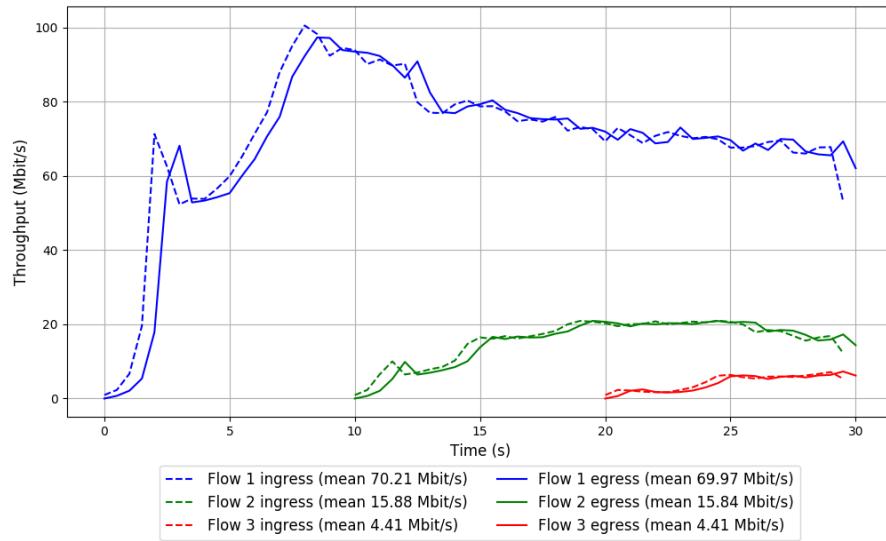


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-24 16:15:57
End at: 2018-05-24 16:16:27
Local clock offset: 2.094 ms
Remote clock offset: 29.922 ms

# Below is generated by plot.py at 2018-05-24 17:44:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 73.535 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 73.376 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 74.305 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 74.350 ms
Loss rate: 0.09%
```

Run 7: Report of PCC-Vivace — Data Link

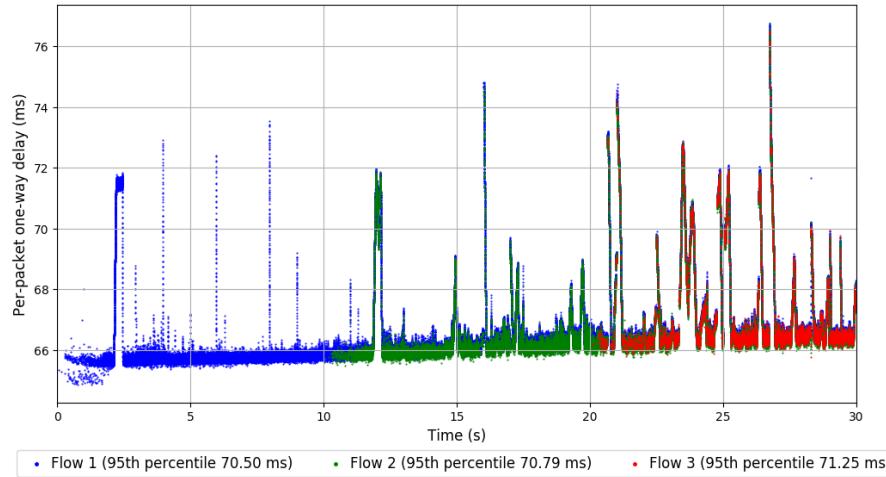
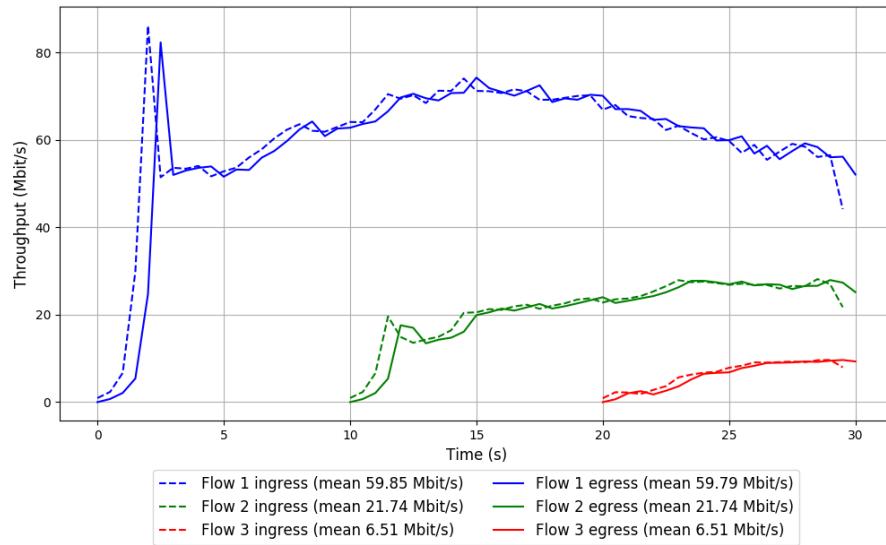


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-24 16:37:28
End at: 2018-05-24 16:37:58
Local clock offset: 3.894 ms
Remote clock offset: 8.337 ms

# Below is generated by plot.py at 2018-05-24 17:44:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 70.621 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 70.505 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 70.788 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 71.245 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

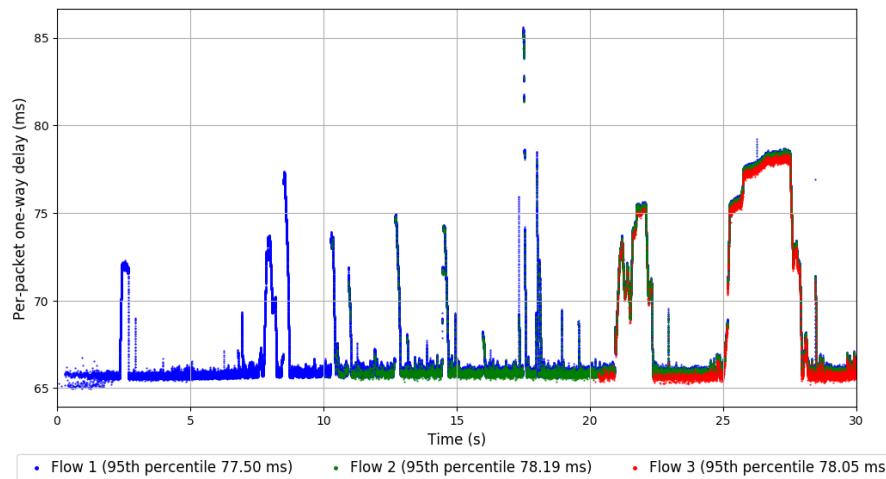
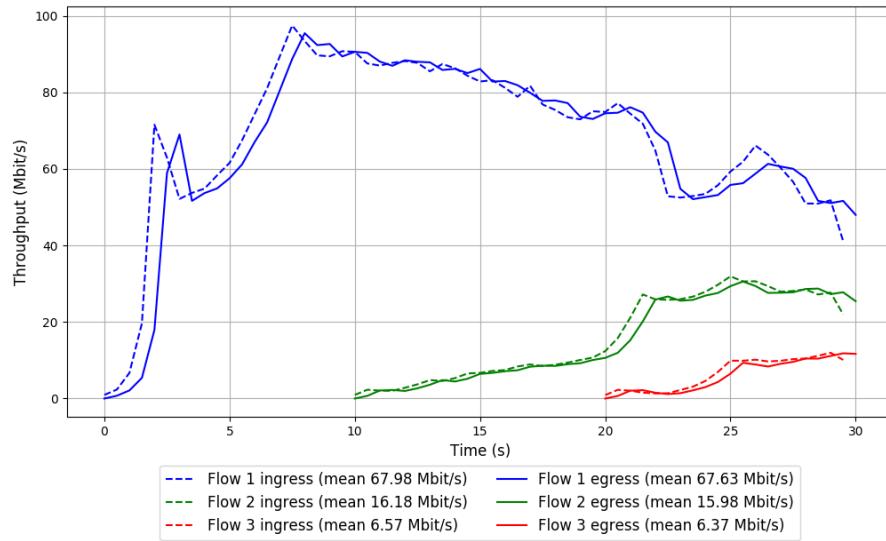


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-24 16:58:58
End at: 2018-05-24 16:59:28
Local clock offset: 3.372 ms
Remote clock offset: -8.552 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 77.751 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 77.496 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 78.188 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 78.053 ms
Loss rate: 3.18%
```

Run 9: Report of PCC-Vivace — Data Link

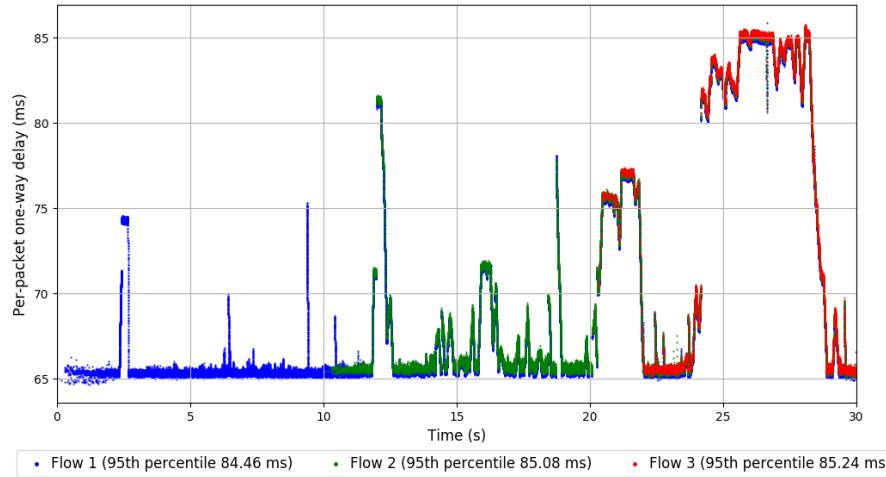
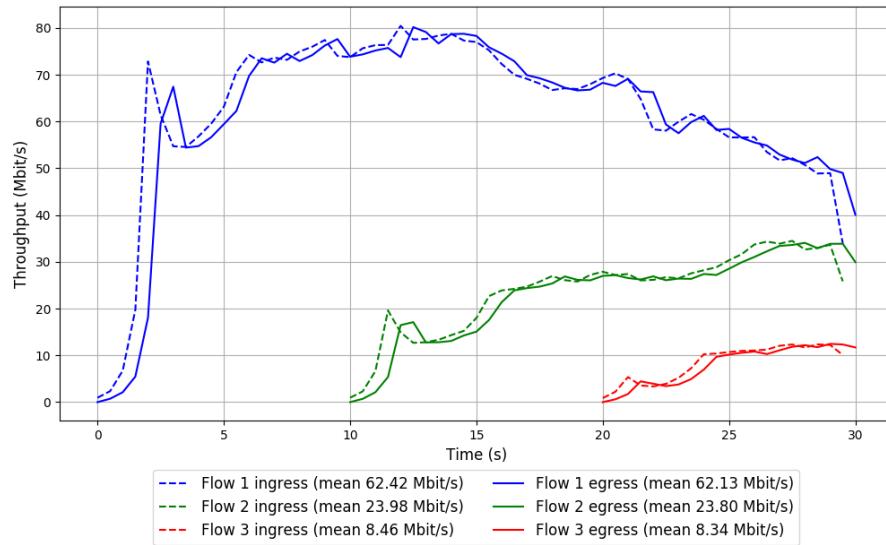


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-24 17:21:43
End at: 2018-05-24 17:22:13
Local clock offset: 0.264 ms
Remote clock offset: 29.416 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 84.820 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 84.458 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 85.076 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 85.244 ms
Loss rate: 1.42%
```

Run 10: Report of PCC-Vivace — Data Link

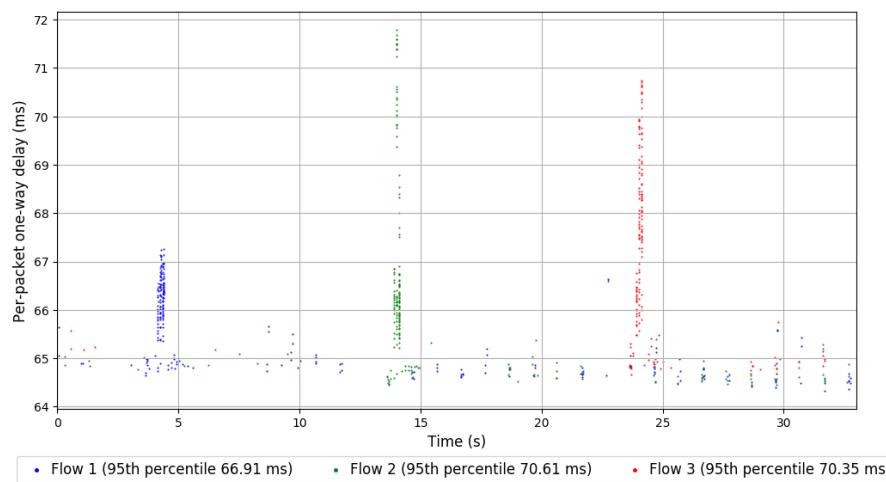
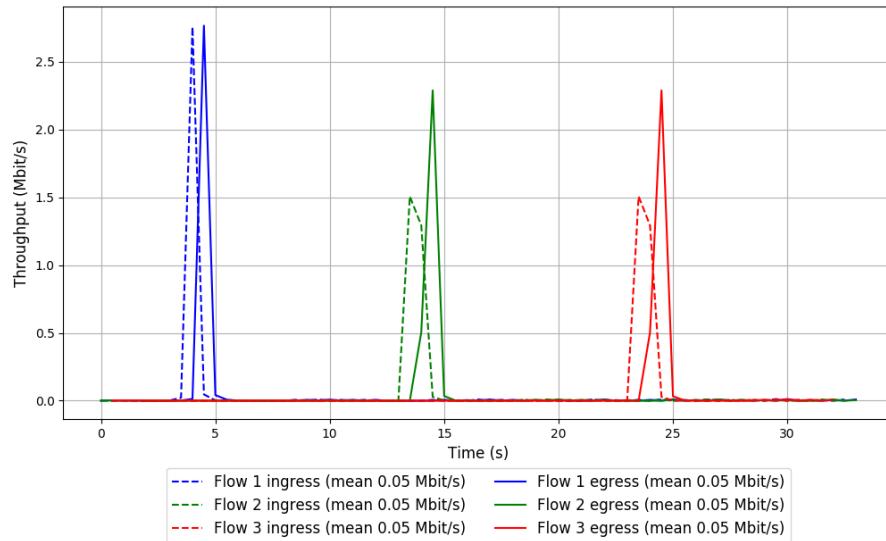


Run 1: Statistics of WebRTC media

```
Start at: 2018-05-24 14:02:50
End at: 2018-05-24 14:03:20
Local clock offset: 1.69 ms
Remote clock offset: 66.786 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.347 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

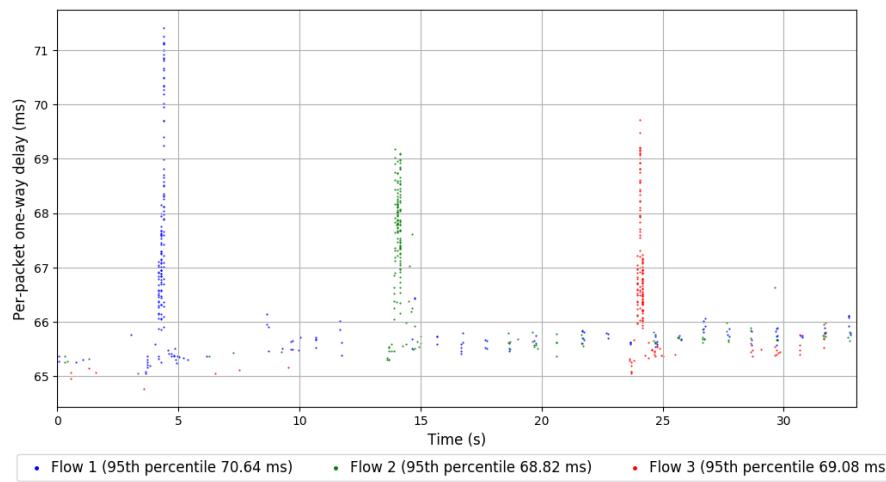
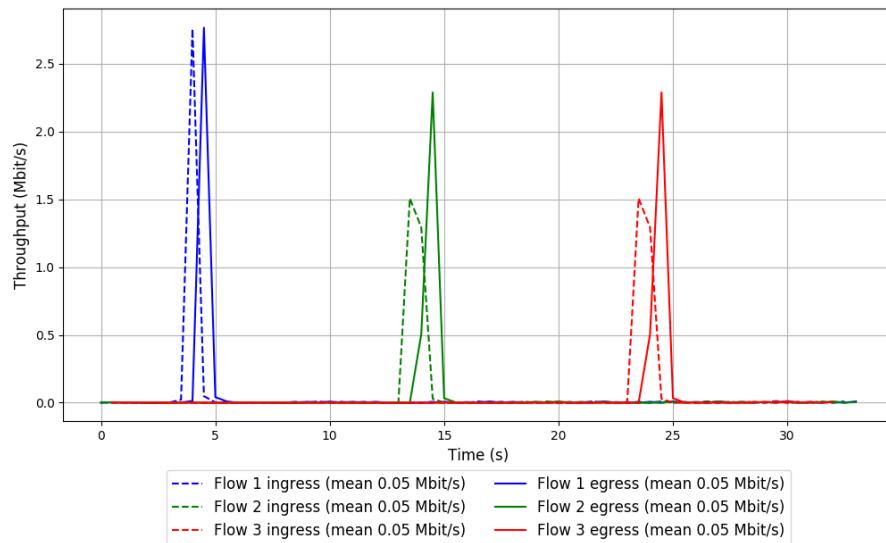


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-24 14:24:14
End at: 2018-05-24 14:24:44
Local clock offset: 0.759 ms
Remote clock offset: 40.061 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

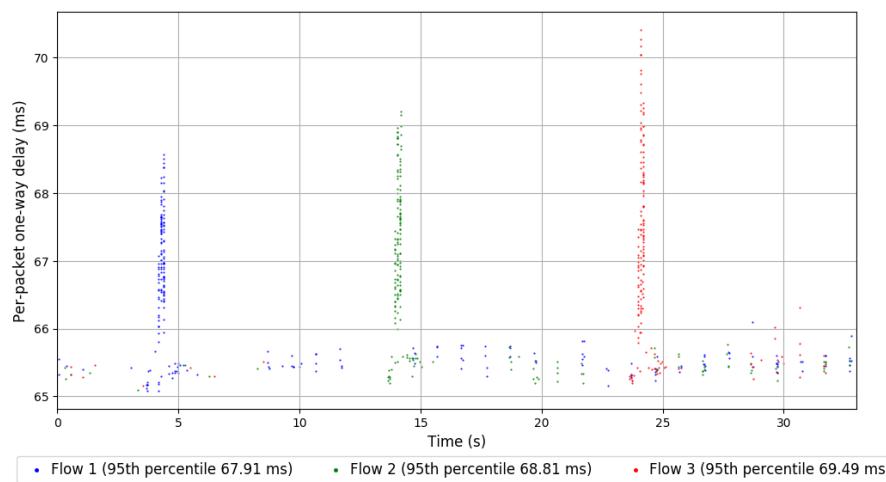
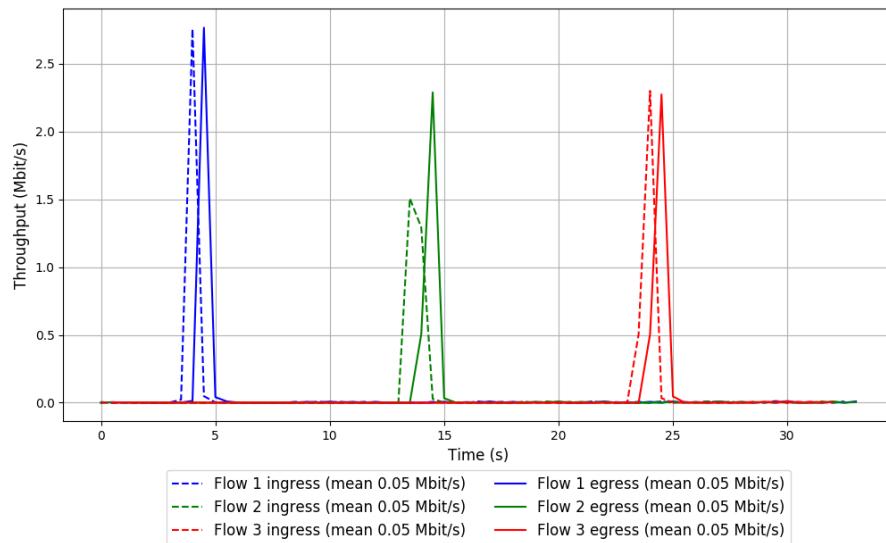


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-24 14:45:40
End at: 2018-05-24 14:46:10
Local clock offset: 4.822 ms
Remote clock offset: 28.804 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 68.813 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.489 ms
Loss rate: 0.39%
```

Run 3: Report of WebRTC media — Data Link

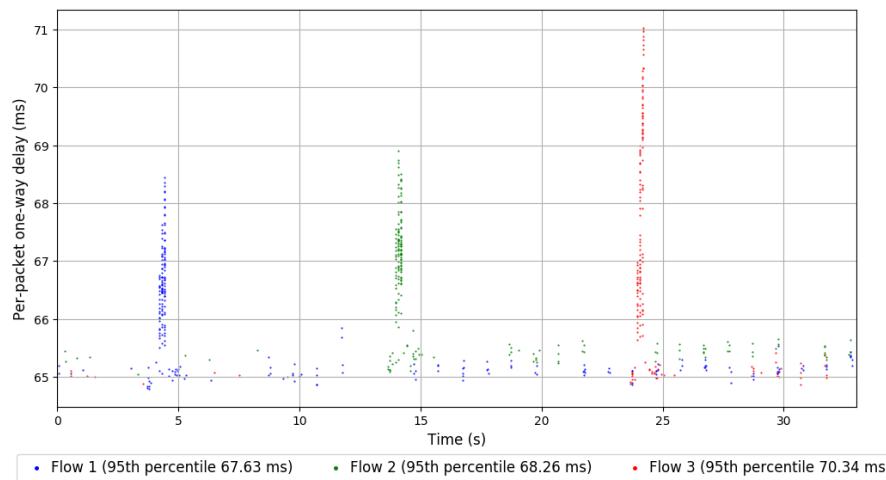
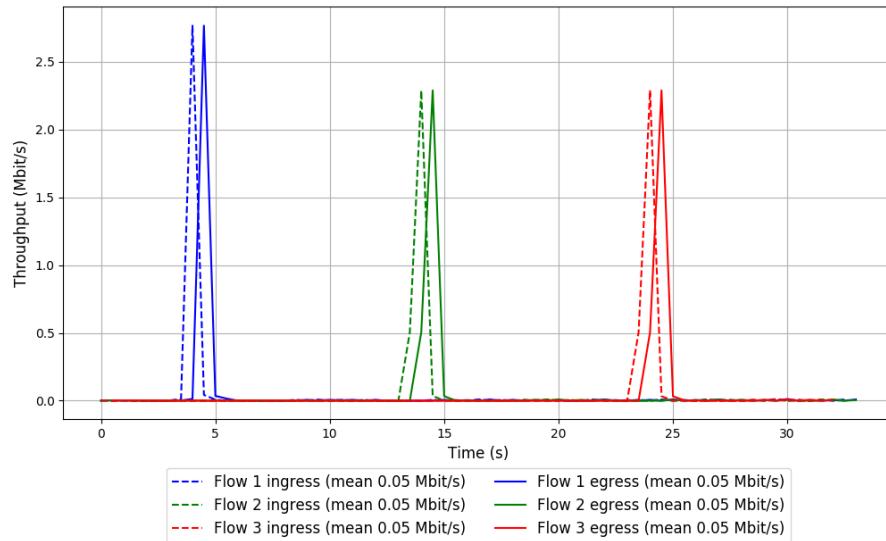


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-24 15:07:29
End at: 2018-05-24 15:07:59
Local clock offset: 3.244 ms
Remote clock offset: 18.879 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.340 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

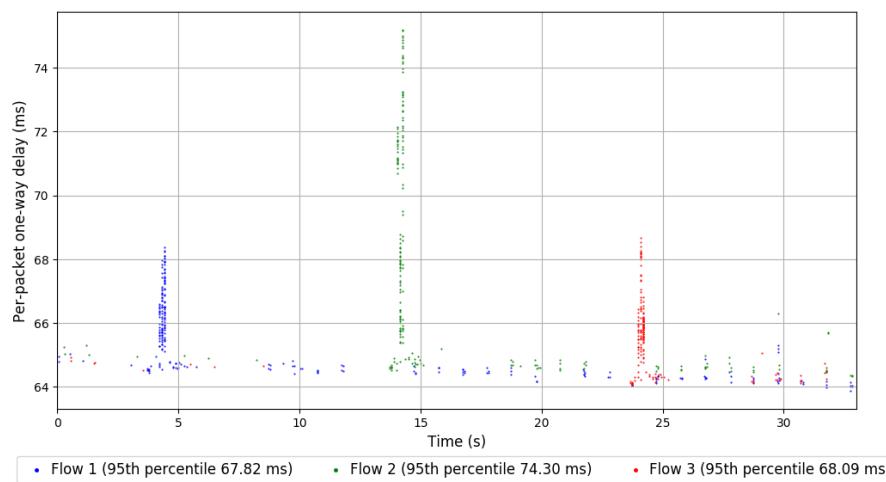
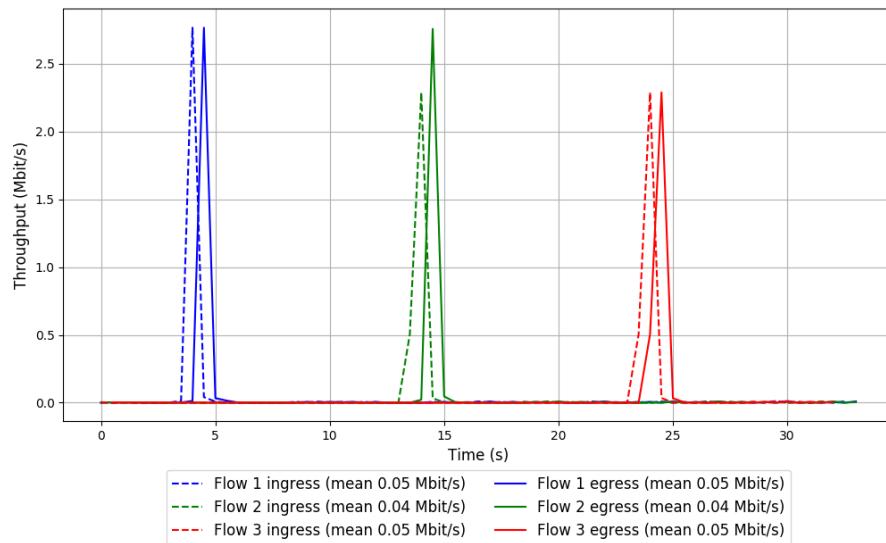


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-24 15:28:58
End at: 2018-05-24 15:29:28
Local clock offset: 2.46 ms
Remote clock offset: 36.525 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 72.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 74.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.090 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

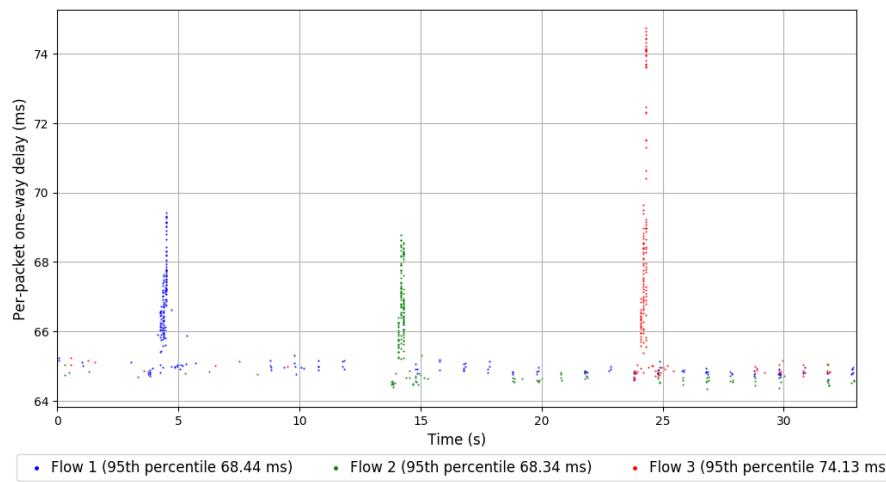
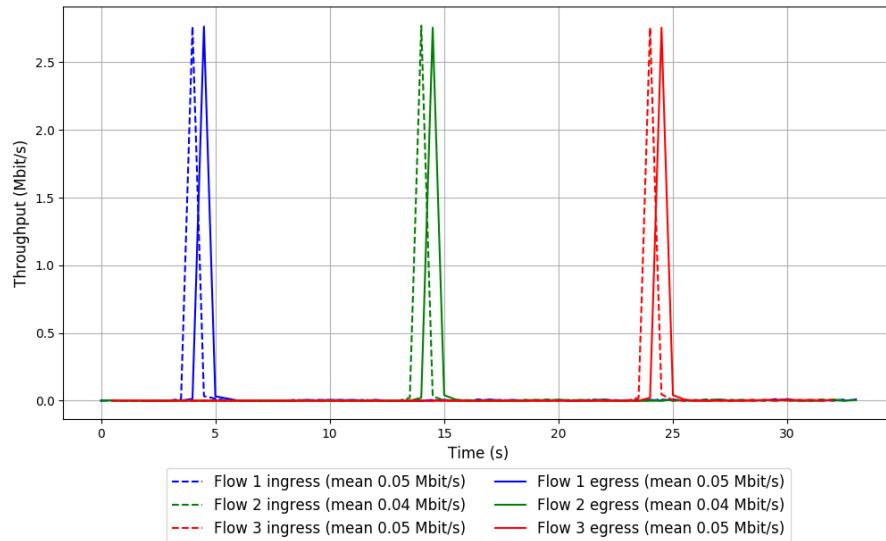


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-24 15:50:28
End at: 2018-05-24 15:50:58
Local clock offset: 2.407 ms
Remote clock offset: 50.548 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 68.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 74.128 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

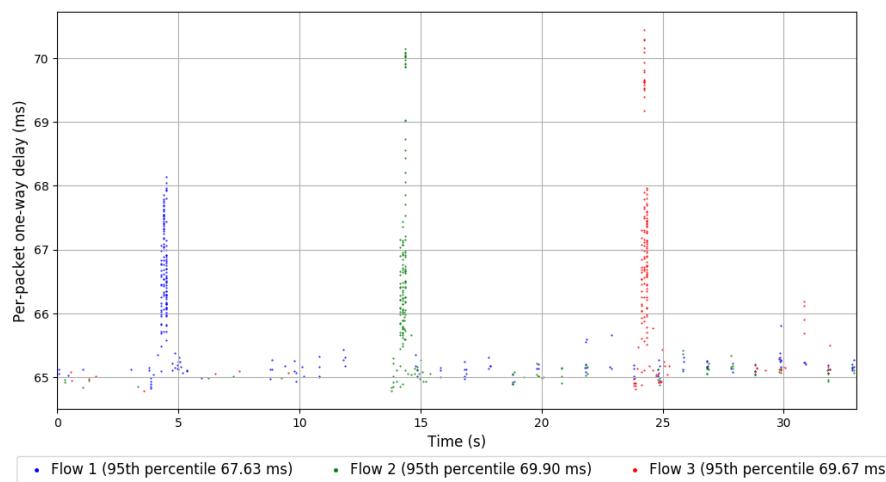
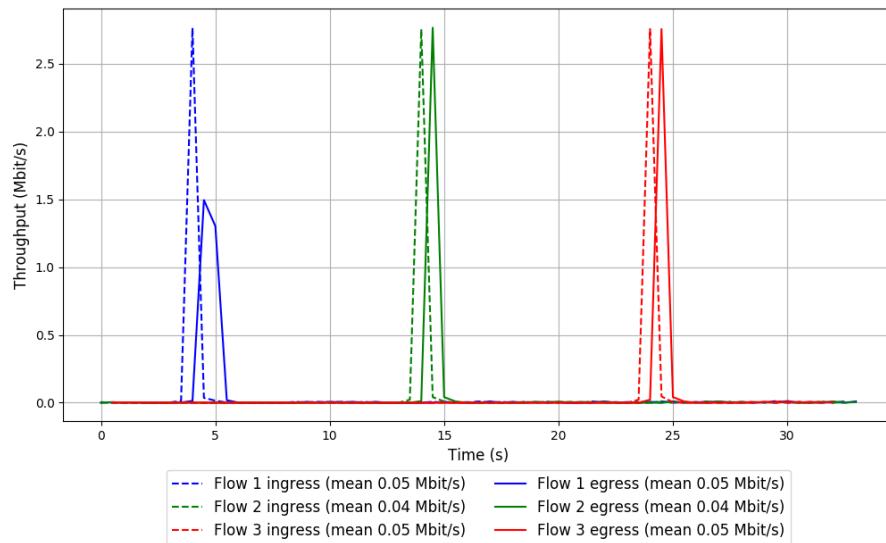


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-24 16:11:58
End at: 2018-05-24 16:12:28
Local clock offset: 2.181 ms
Remote clock offset: 31.019 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 69.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.668 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

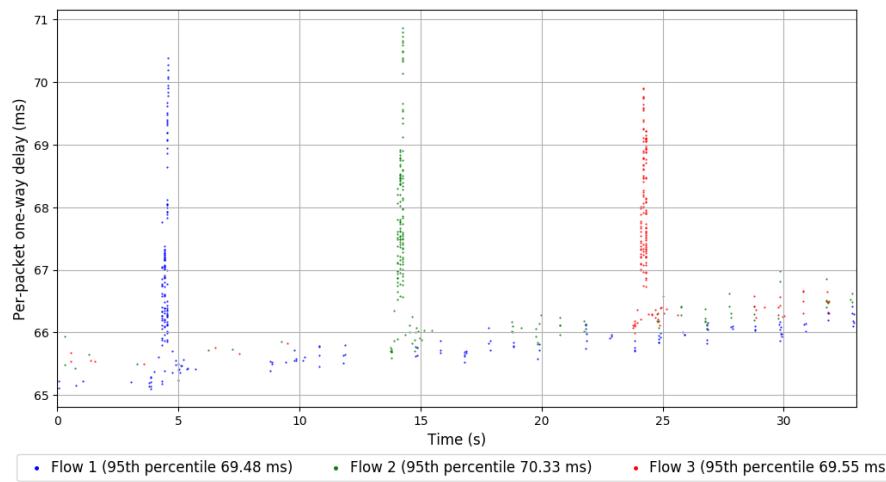
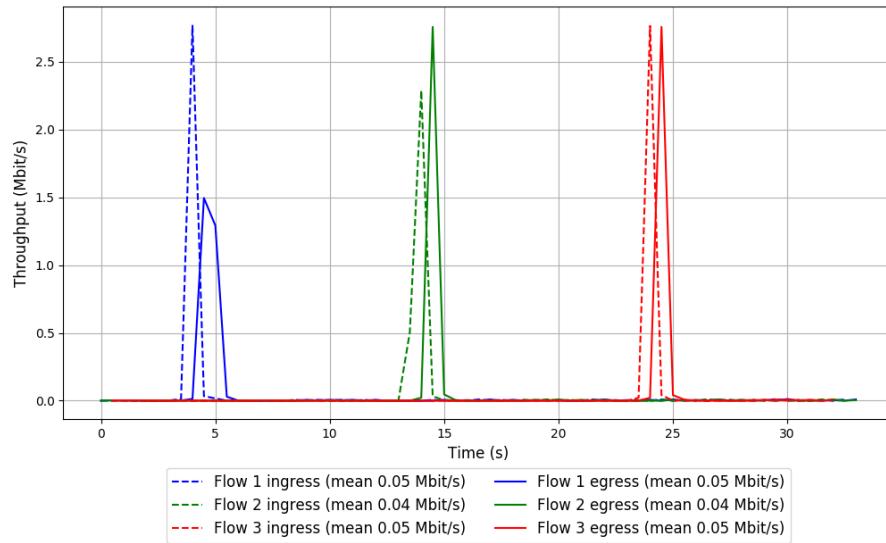


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-24 16:33:29
End at: 2018-05-24 16:33:59
Local clock offset: 3.322 ms
Remote clock offset: 14.186 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 70.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.546 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

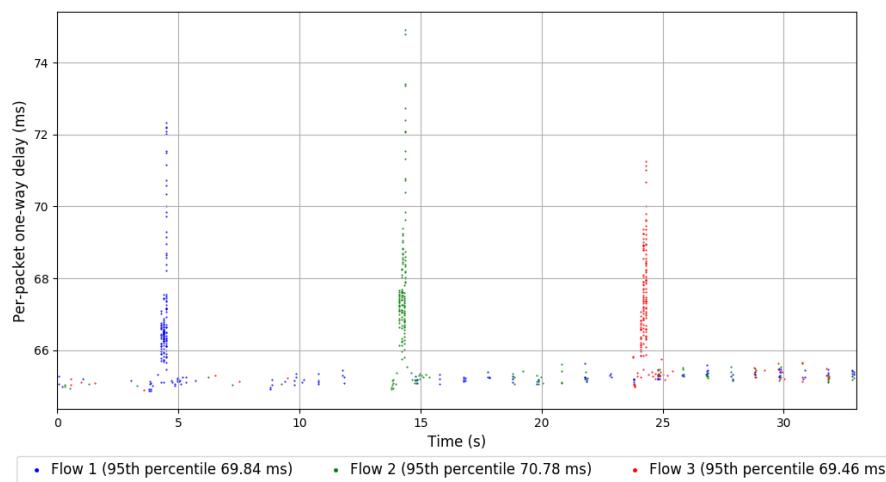
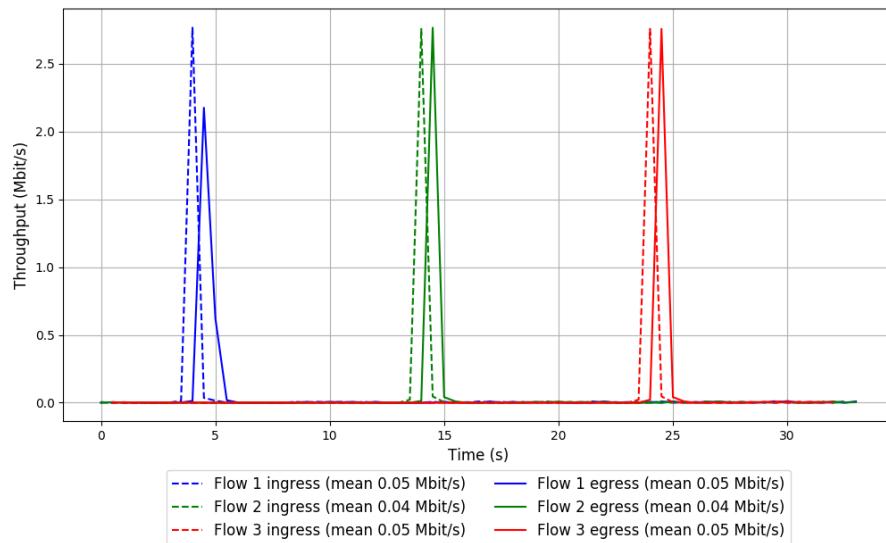


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-24 16:54:59
End at: 2018-05-24 16:55:29
Local clock offset: 4.604 ms
Remote clock offset: -6.222 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 70.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.458 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-24 17:17:43
End at: 2018-05-24 17:18:13
Local clock offset: 0.643 ms
Remote clock offset: 26.641 ms

# Below is generated by plot.py at 2018-05-24 17:44:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 68.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 69.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.459 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

