

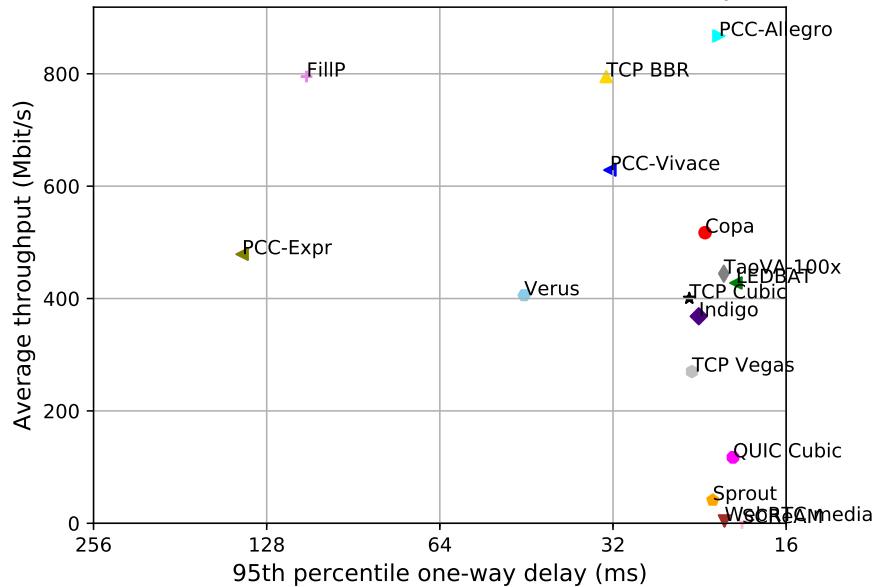
Pantheon Report

Generated at 2018-05-30 22:26:25 (UTC).
Data path: AWS California 1 Ethernet (*local*) → Stanford 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.

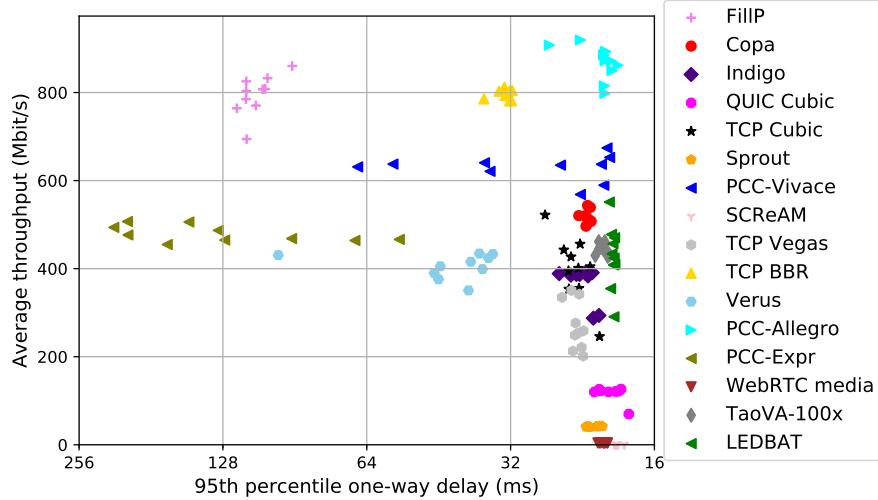
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2  
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  
M src/ScreamClient  
M src/ScreamServer  
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f  
M src/examples/cellsim.cc  
M src/examples/sproutbt2.cc  
M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
M src/verus.hpp  
M tools/plot.py  
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4  
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



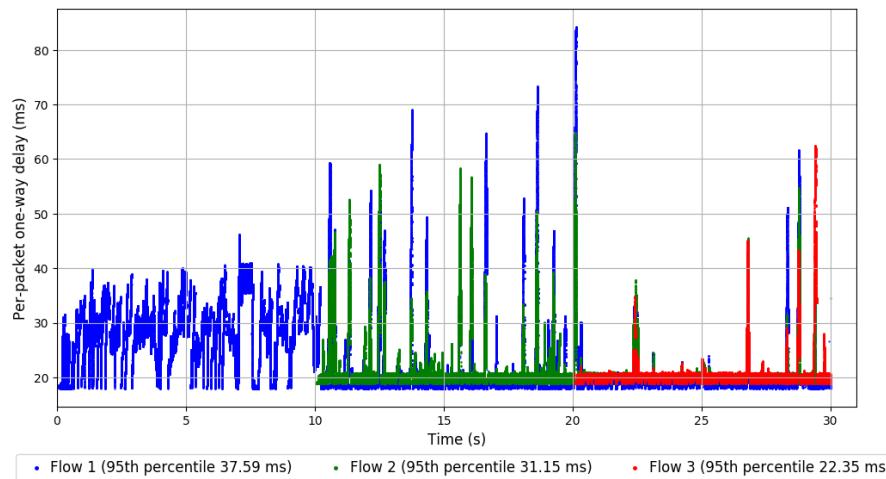
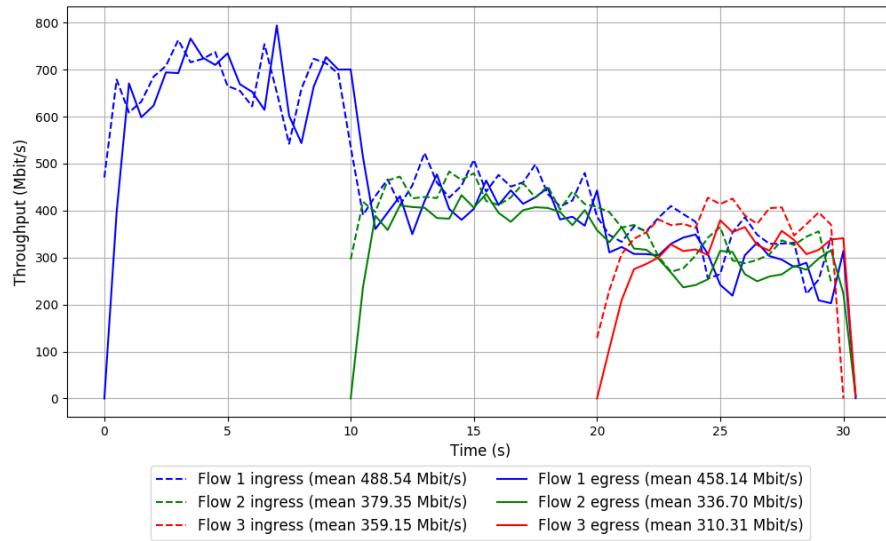
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	463.88	354.08	286.95	34.07	25.58	20.56	5.84	10.35	12.31
Copa	10	277.92	251.68	215.68	21.53	22.19	23.27	0.02	0.04	0.03
TCP Cubic	10	217.01	187.97	174.57	23.05	24.67	23.51	0.08	0.08	0.13
FillP	10	487.64	328.34	269.68	107.56	101.60	99.26	11.78	18.11	19.97
Indigo	10	176.33	195.26	192.69	24.16	21.52	20.53	0.01	0.01	0.02
LEDBAT	10	250.43	193.17	146.30	19.55	19.44	19.47	0.03	0.04	0.06
PCC-Allegro	10	736.96	147.04	99.05	21.30	19.85	19.99	0.49	0.47	0.61
PCC-Expr	10	282.02	249.70	93.18	132.35	145.10	29.57	1.32	1.75	0.07
QUIC Cubic	10	59.87	60.22	53.03	19.02	19.59	21.00	0.00	0.00	0.01
SCReAM	10	0.22	0.22	0.22	18.70	19.01	18.78	0.00	0.00	0.00
Sprout	10	20.76	20.70	20.48	21.18	21.35	21.75	0.01	0.00	0.01
TaoVA-100x	10	230.58	220.95	200.21	19.85	20.45	21.60	0.04	0.01	0.01
TCP Vegas	10	122.91	144.42	152.94	22.52	23.34	24.20	0.07	0.05	0.11
Verus	10	205.29	214.00	177.16	41.77	49.79	36.16	22.35	21.95	23.45
PCC-Vivace	10	377.64	329.72	96.27	29.97	40.98	21.09	0.21	0.50	0.49
WebRTC media	10	2.08	1.42	0.58	20.15	20.64	20.93	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2018-05-30 16:01:36
End at: 2018-05-30 16:02:06
Local clock offset: 0.099 ms
Remote clock offset: -0.532 ms

# Below is generated by plot.py at 2018-05-30 20:29:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.49 Mbit/s
95th percentile per-packet one-way delay: 36.392 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 458.14 Mbit/s
95th percentile per-packet one-way delay: 37.587 ms
Loss rate: 6.22%
-- Flow 2:
Average throughput: 336.70 Mbit/s
95th percentile per-packet one-way delay: 31.151 ms
Loss rate: 11.25%
-- Flow 3:
Average throughput: 310.31 Mbit/s
95th percentile per-packet one-way delay: 22.352 ms
Loss rate: 13.75%
```

Run 1: Report of TCP BBR — Data Link

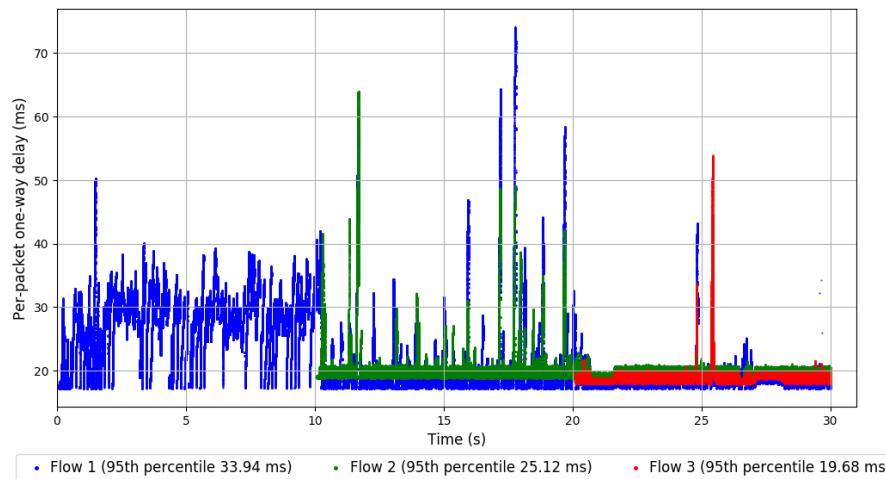
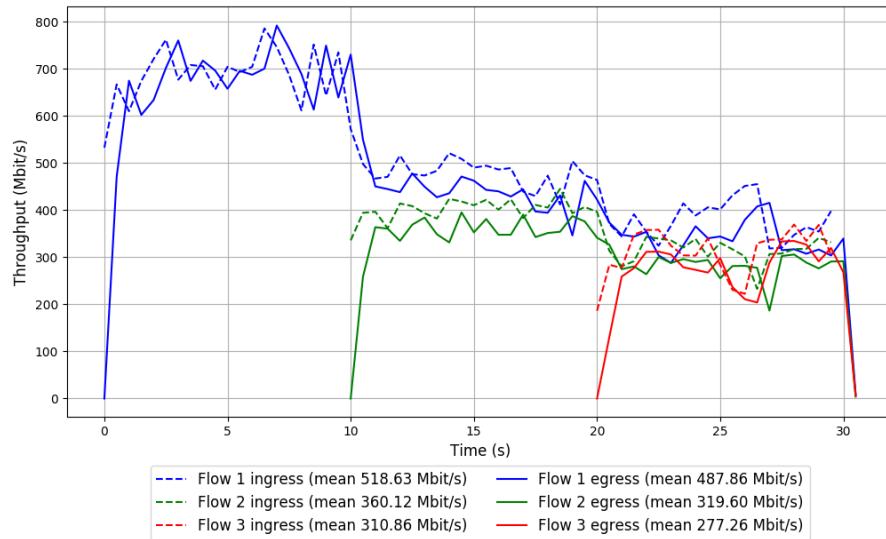


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-30 16:26:56
End at: 2018-05-30 16:27:26
Local clock offset: 0.122 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-05-30 20:29:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 792.93 Mbit/s
95th percentile per-packet one-way delay: 32.859 ms
Loss rate: 7.99%
-- Flow 1:
Average throughput: 487.86 Mbit/s
95th percentile per-packet one-way delay: 33.939 ms
Loss rate: 5.93%
-- Flow 2:
Average throughput: 319.60 Mbit/s
95th percentile per-packet one-way delay: 25.119 ms
Loss rate: 11.25%
-- Flow 3:
Average throughput: 277.26 Mbit/s
95th percentile per-packet one-way delay: 19.683 ms
Loss rate: 10.80%
```

Run 2: Report of TCP BBR — Data Link

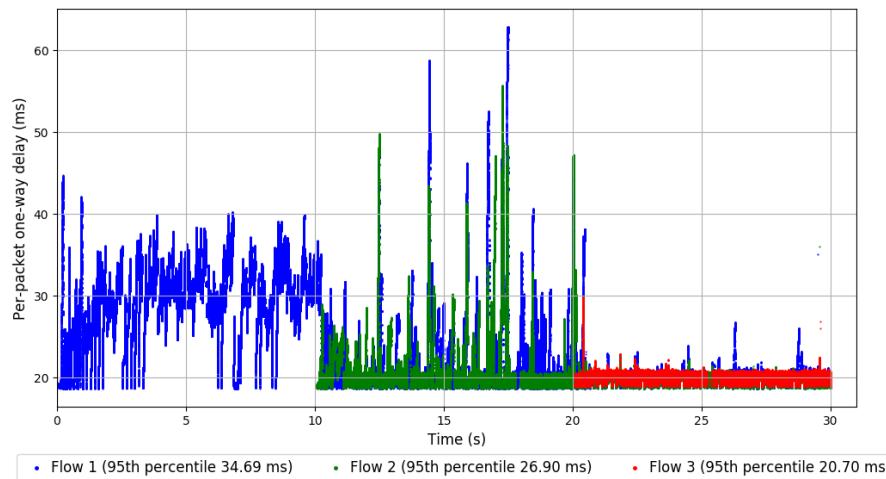
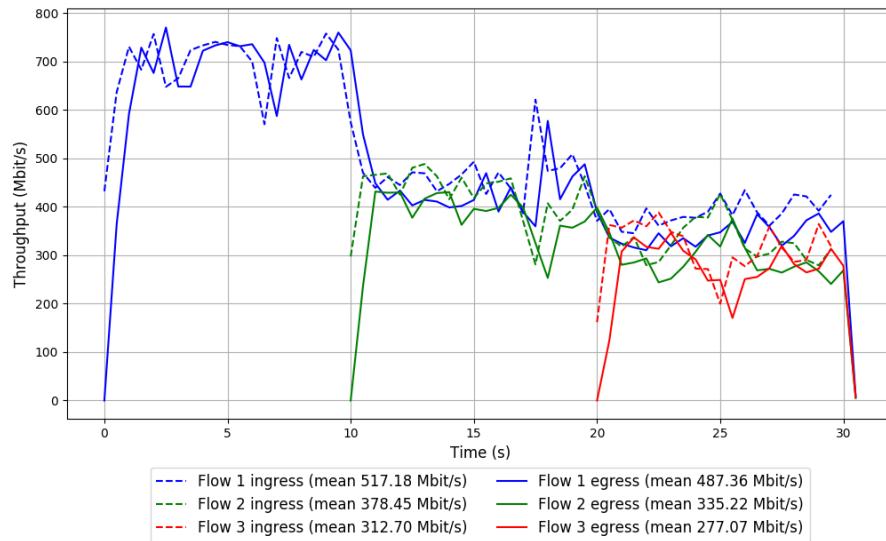


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-30 16:52:46
End at: 2018-05-30 16:53:16
Local clock offset: 0.066 ms
Remote clock offset: 0.738 ms

# Below is generated by plot.py at 2018-05-30 20:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.96 Mbit/s
95th percentile per-packet one-way delay: 33.830 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 487.36 Mbit/s
95th percentile per-packet one-way delay: 34.693 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 335.22 Mbit/s
95th percentile per-packet one-way delay: 26.898 ms
Loss rate: 11.42%
-- Flow 3:
Average throughput: 277.07 Mbit/s
95th percentile per-packet one-way delay: 20.703 ms
Loss rate: 11.38%
```

Run 3: Report of TCP BBR — Data Link

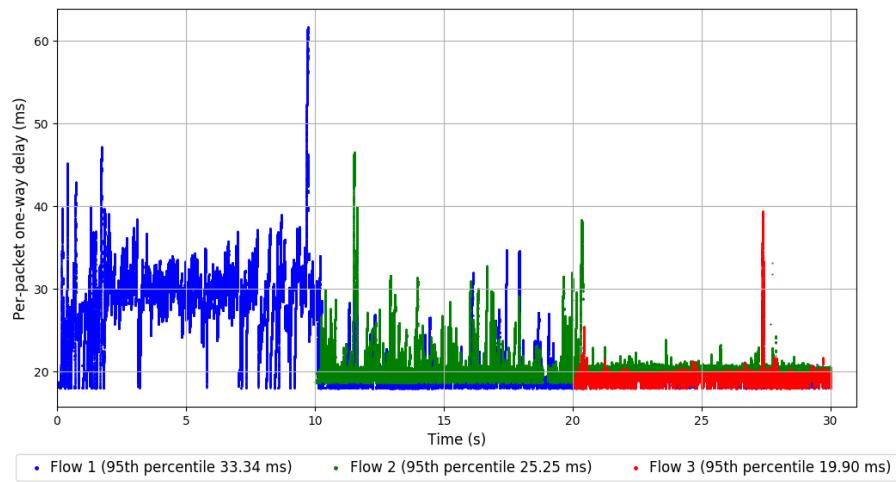
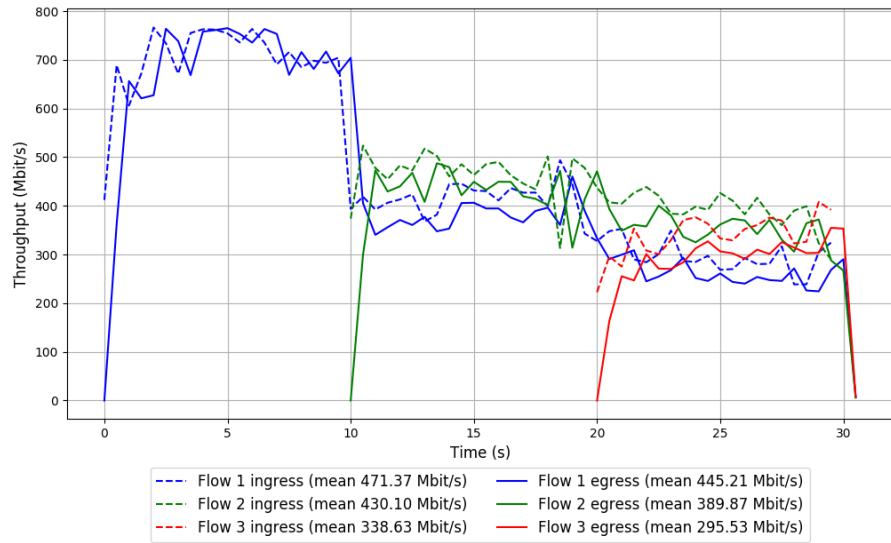


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-30 17:18:29
End at: 2018-05-30 17:18:59
Local clock offset: 0.499 ms
Remote clock offset: 0.389 ms

# Below is generated by plot.py at 2018-05-30 20:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.49 Mbit/s
95th percentile per-packet one-way delay: 32.146 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 445.21 Mbit/s
95th percentile per-packet one-way delay: 33.338 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 389.87 Mbit/s
95th percentile per-packet one-way delay: 25.250 ms
Loss rate: 9.35%
-- Flow 3:
Average throughput: 295.53 Mbit/s
95th percentile per-packet one-way delay: 19.898 ms
Loss rate: 12.72%
```

Run 4: Report of TCP BBR — Data Link

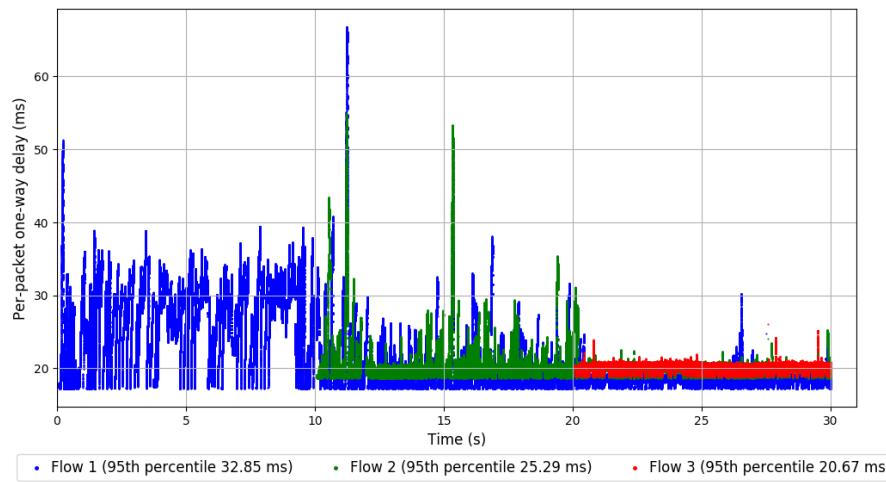
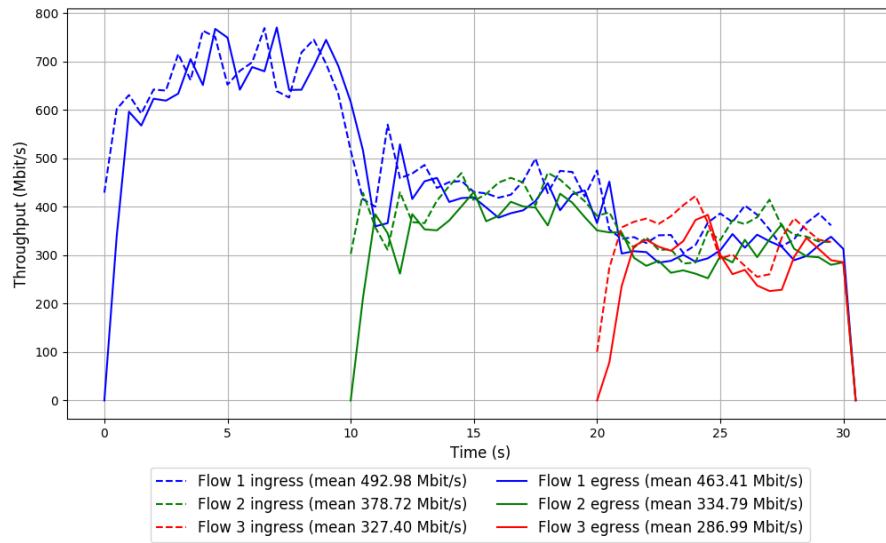


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-30 17:43:58
End at: 2018-05-30 17:44:28
Local clock offset: -0.151 ms
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2018-05-30 20:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.84 Mbit/s
95th percentile per-packet one-way delay: 31.857 ms
Loss rate: 8.46%
-- Flow 1:
Average throughput: 463.41 Mbit/s
95th percentile per-packet one-way delay: 32.855 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 334.79 Mbit/s
95th percentile per-packet one-way delay: 25.293 ms
Loss rate: 11.60%
-- Flow 3:
Average throughput: 286.99 Mbit/s
95th percentile per-packet one-way delay: 20.669 ms
Loss rate: 12.34%
```

Run 5: Report of TCP BBR — Data Link

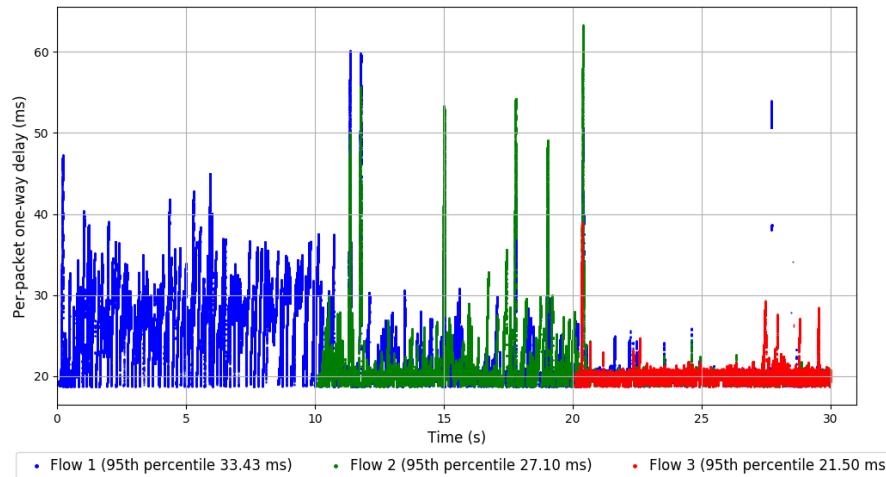
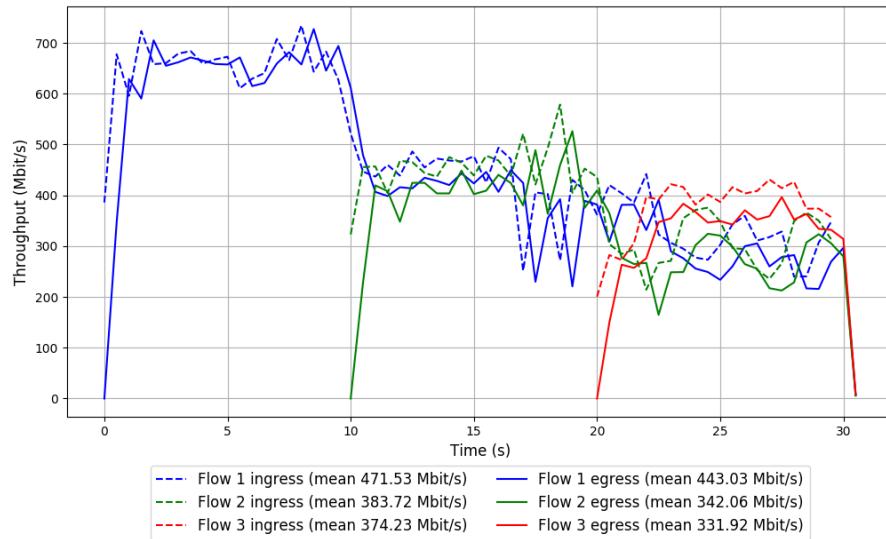


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-30 18:09:23
End at: 2018-05-30 18:09:53
Local clock offset: -0.042 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-05-30 20:29:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.26 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 443.03 Mbit/s
95th percentile per-packet one-way delay: 33.432 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 342.06 Mbit/s
95th percentile per-packet one-way delay: 27.097 ms
Loss rate: 10.85%
-- Flow 3:
Average throughput: 331.92 Mbit/s
95th percentile per-packet one-way delay: 21.501 ms
Loss rate: 11.30%
```

Run 6: Report of TCP BBR — Data Link

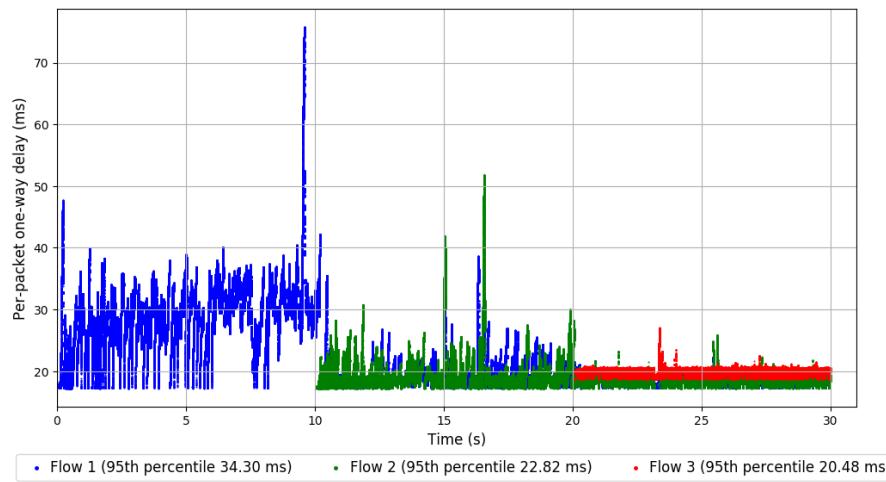
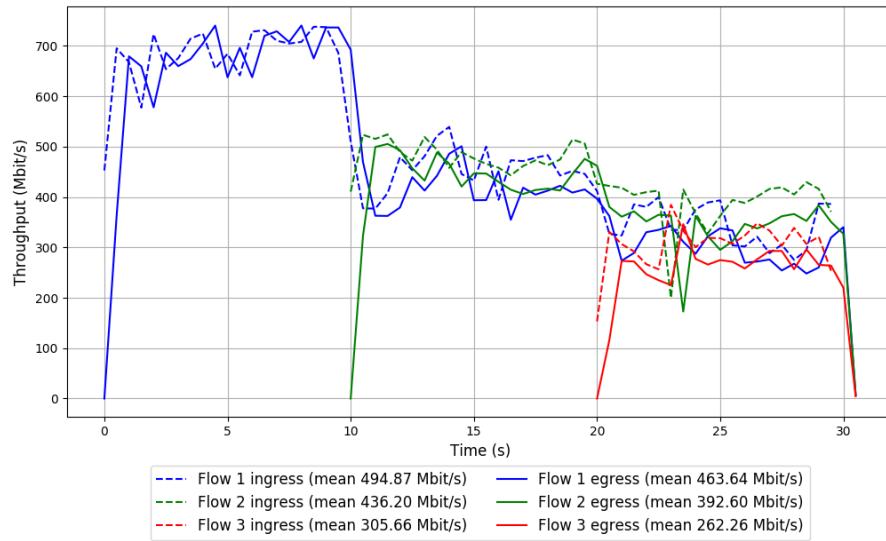


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-30 18:35:07
End at: 2018-05-30 18:35:37
Local clock offset: 0.299 ms
Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2018-05-30 20:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.37 Mbit/s
95th percentile per-packet one-way delay: 32.965 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 463.64 Mbit/s
95th percentile per-packet one-way delay: 34.301 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 392.60 Mbit/s
95th percentile per-packet one-way delay: 22.824 ms
Loss rate: 9.99%
-- Flow 3:
Average throughput: 262.26 Mbit/s
95th percentile per-packet one-way delay: 20.483 ms
Loss rate: 14.21%
```

Run 7: Report of TCP BBR — Data Link

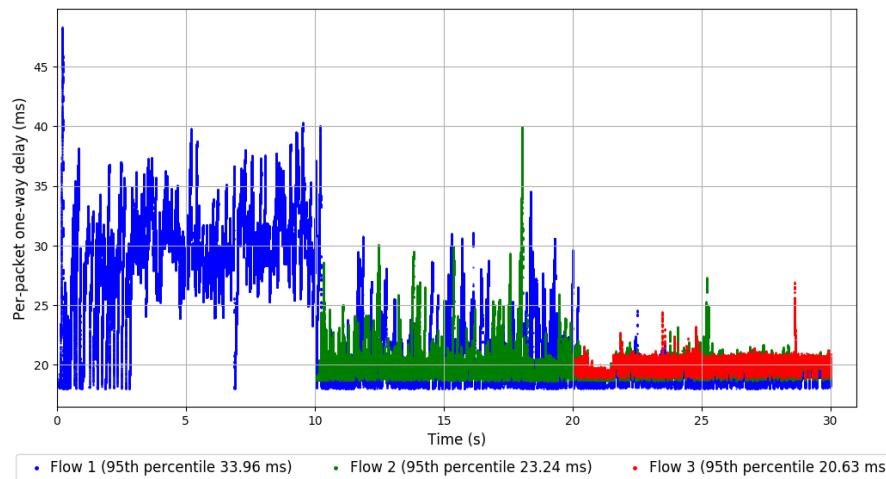
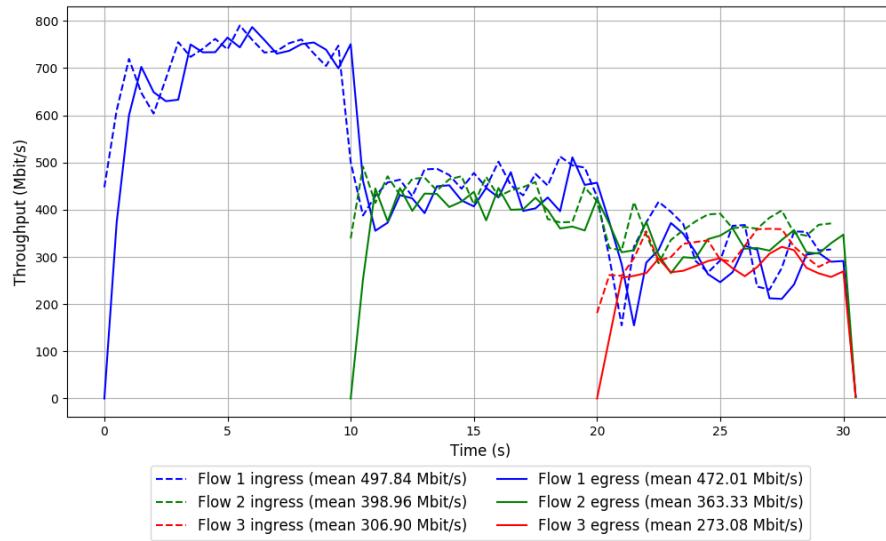


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-30 19:00:45
End at: 2018-05-30 19:01:15
Local clock offset: -0.091 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-05-30 20:29:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 804.76 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 7.02%
-- Flow 1:
Average throughput: 472.01 Mbit/s
95th percentile per-packet one-way delay: 33.957 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 363.33 Mbit/s
95th percentile per-packet one-way delay: 23.241 ms
Loss rate: 8.92%
-- Flow 3:
Average throughput: 273.08 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 11.03%
```

Run 8: Report of TCP BBR — Data Link

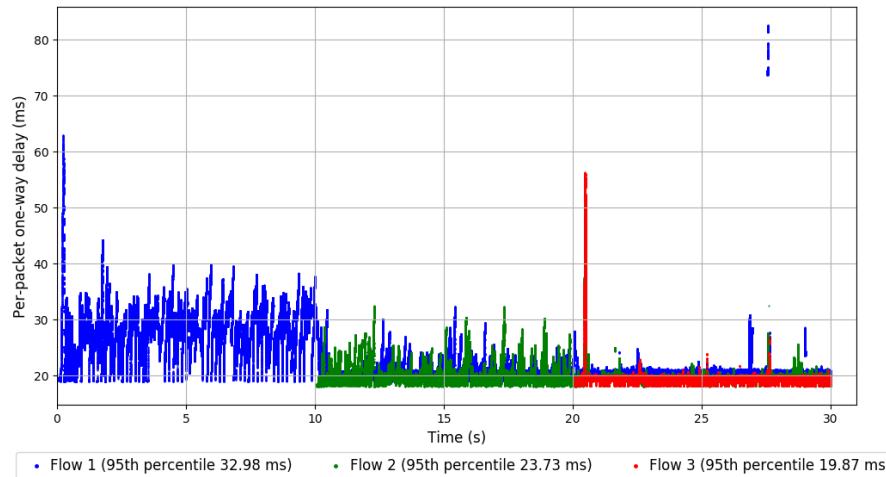
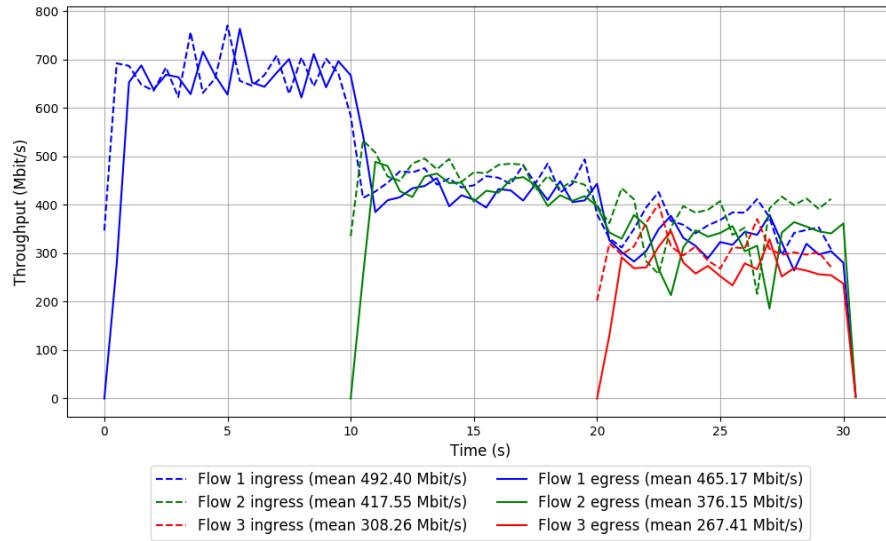


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-30 19:26:16
End at: 2018-05-30 19:26:46
Local clock offset: -0.953 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-05-30 20:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 804.64 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 465.17 Mbit/s
95th percentile per-packet one-way delay: 32.978 ms
Loss rate: 5.52%
-- Flow 2:
Average throughput: 376.15 Mbit/s
95th percentile per-packet one-way delay: 23.733 ms
Loss rate: 9.91%
-- Flow 3:
Average throughput: 267.41 Mbit/s
95th percentile per-packet one-way delay: 19.871 ms
Loss rate: 13.25%
```

Run 9: Report of TCP BBR — Data Link

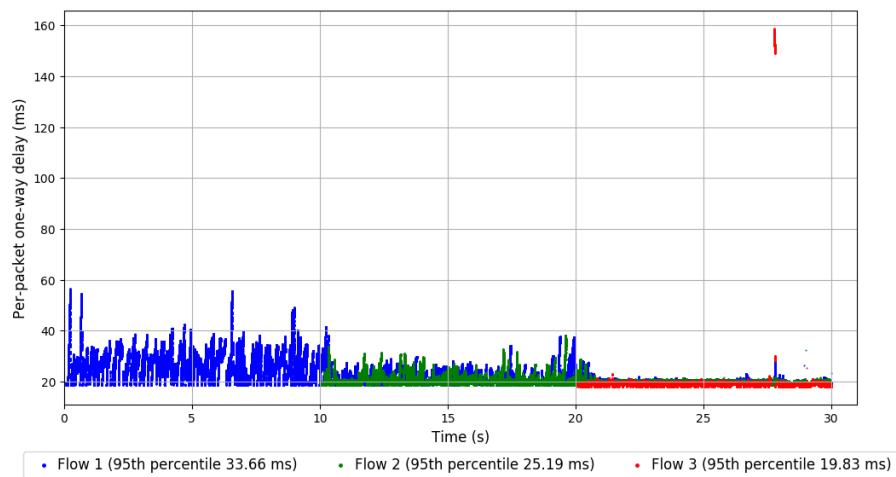
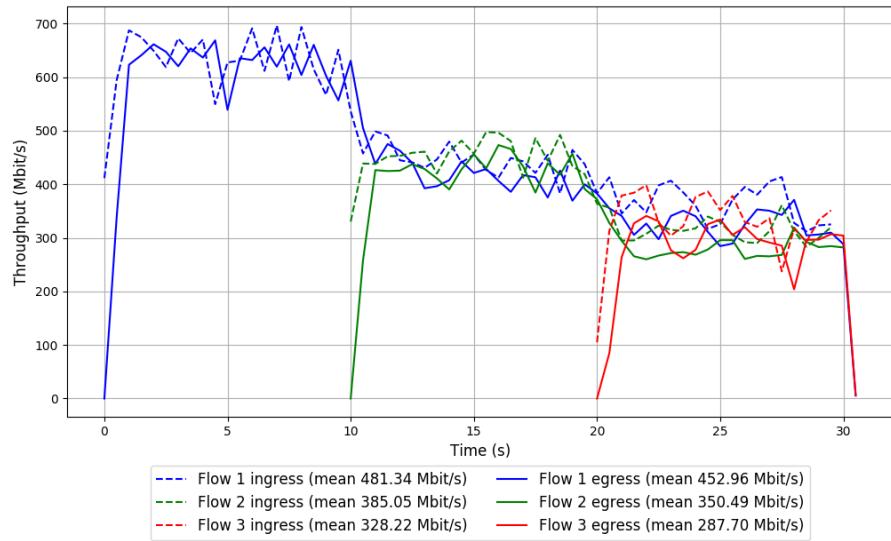


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-30 19:51:49
End at: 2018-05-30 19:52:19
Local clock offset: -1.457 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-05-30 20:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.48 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 7.65%
-- Flow 1:
Average throughput: 452.96 Mbit/s
95th percentile per-packet one-way delay: 33.656 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 350.49 Mbit/s
95th percentile per-packet one-way delay: 25.191 ms
Loss rate: 8.97%
-- Flow 3:
Average throughput: 287.70 Mbit/s
95th percentile per-packet one-way delay: 19.832 ms
Loss rate: 12.34%
```

Run 10: Report of TCP BBR — Data Link

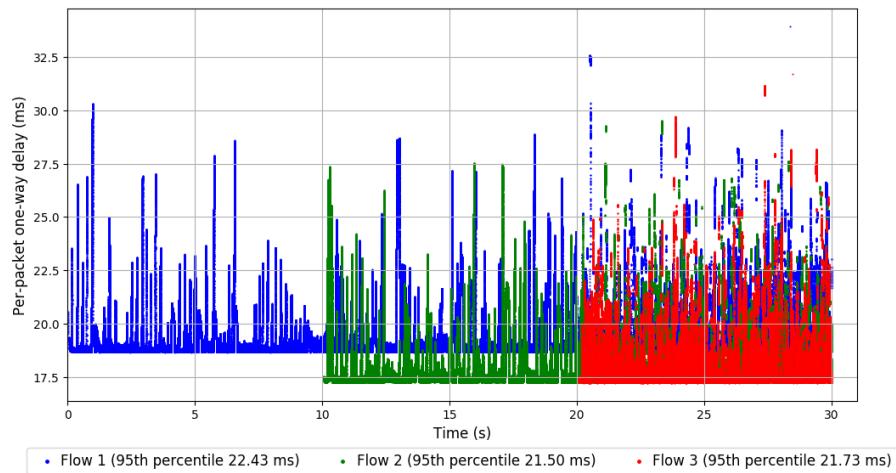
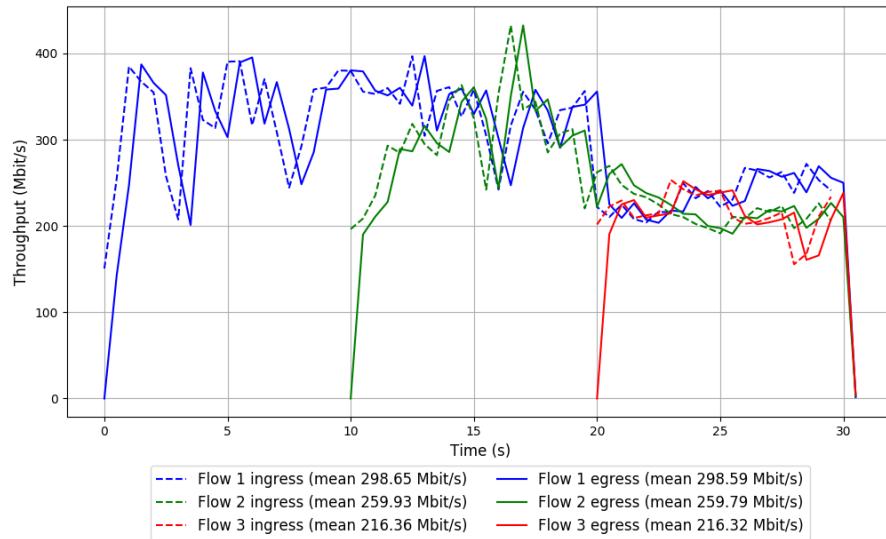


Run 1: Statistics of Copa

```
Start at: 2018-05-30 15:53:58
End at: 2018-05-30 15:54:28
Local clock offset: 0.091 ms
Remote clock offset: -0.37 ms

# Below is generated by plot.py at 2018-05-30 20:41:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 543.52 Mbit/s
95th percentile per-packet one-way delay: 22.083 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 298.59 Mbit/s
95th percentile per-packet one-way delay: 22.430 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 259.79 Mbit/s
95th percentile per-packet one-way delay: 21.502 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 216.32 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.02%
```

Run 1: Report of Copa — Data Link

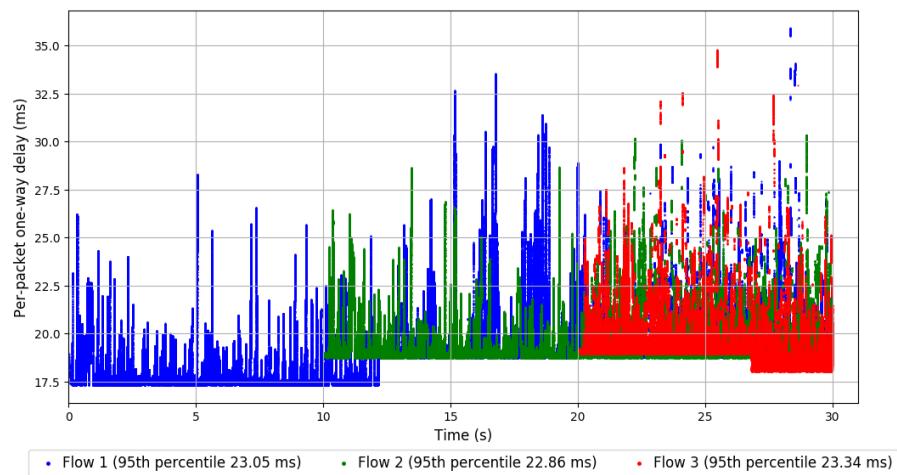
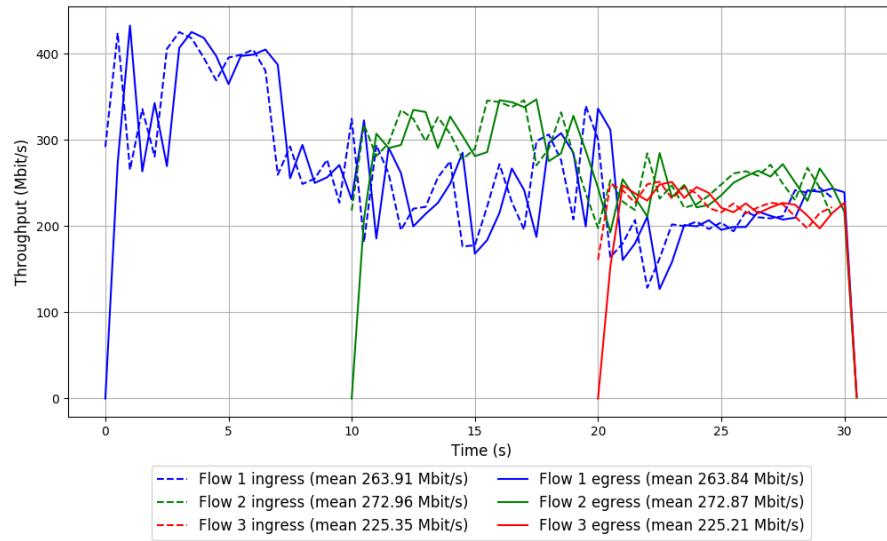


Run 2: Statistics of Copa

```
Start at: 2018-05-30 16:19:12
End at: 2018-05-30 16:19:42
Local clock offset: -0.011 ms
Remote clock offset: -0.368 ms

# Below is generated by plot.py at 2018-05-30 20:41:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.41 Mbit/s
95th percentile per-packet one-way delay: 23.031 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 263.84 Mbit/s
95th percentile per-packet one-way delay: 23.047 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 272.87 Mbit/s
95th percentile per-packet one-way delay: 22.856 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 225.21 Mbit/s
95th percentile per-packet one-way delay: 23.343 ms
Loss rate: 0.08%
```

Run 2: Report of Copa — Data Link

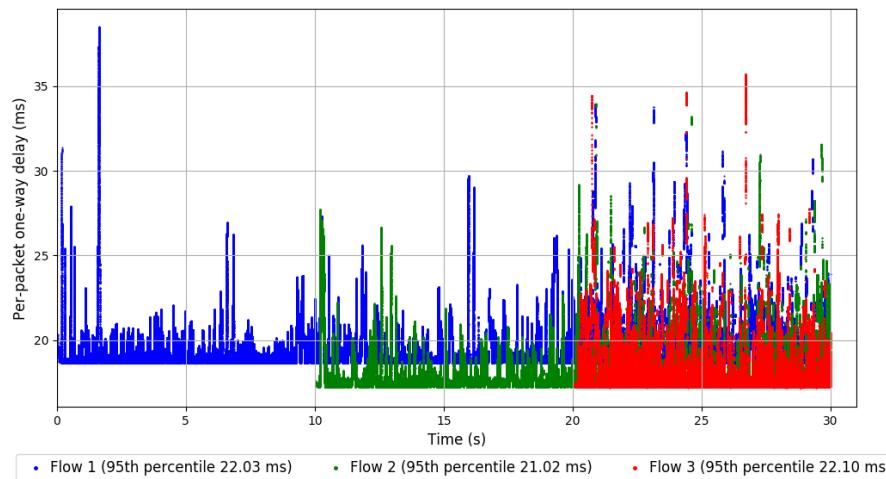
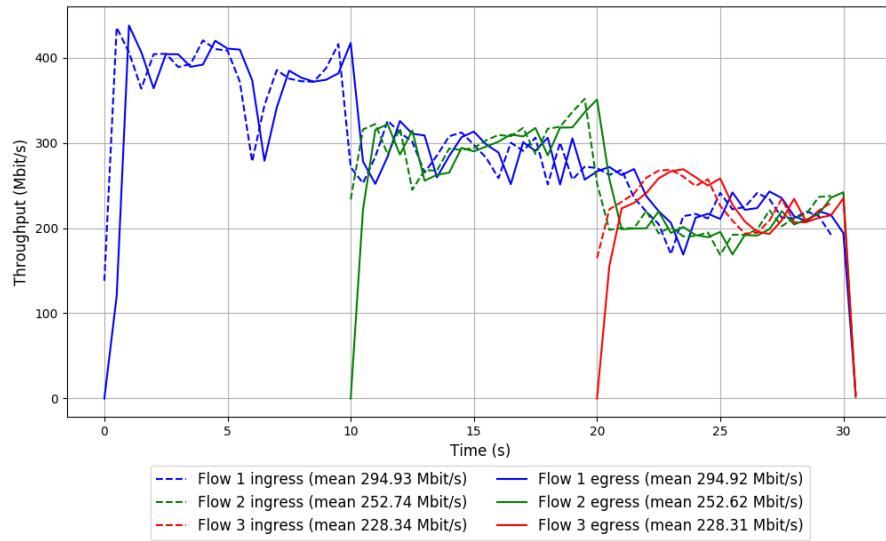


Run 3: Statistics of Copa

```
Start at: 2018-05-30 16:45:00
End at: 2018-05-30 16:45:30
Local clock offset: 0.082 ms
Remote clock offset: 0.544 ms

# Below is generated by plot.py at 2018-05-30 20:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 539.07 Mbit/s
95th percentile per-packet one-way delay: 21.788 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 294.92 Mbit/s
95th percentile per-packet one-way delay: 22.028 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 252.62 Mbit/s
95th percentile per-packet one-way delay: 21.016 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 228.31 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 0.01%
```

Run 3: Report of Copa — Data Link

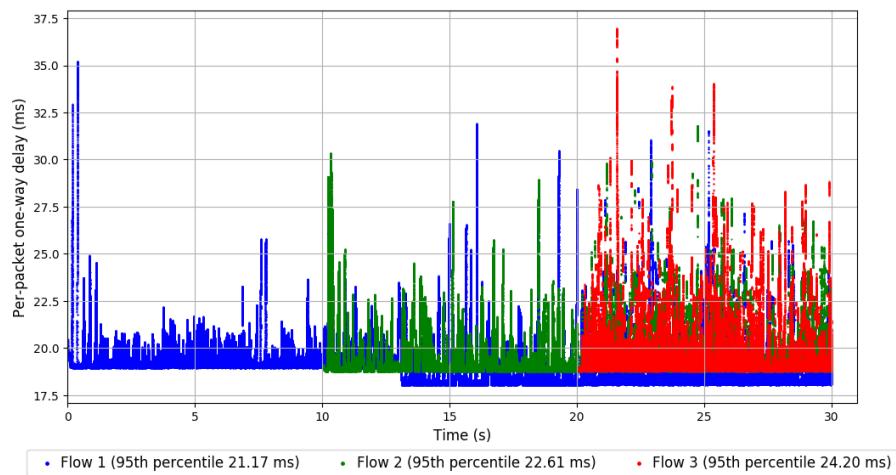
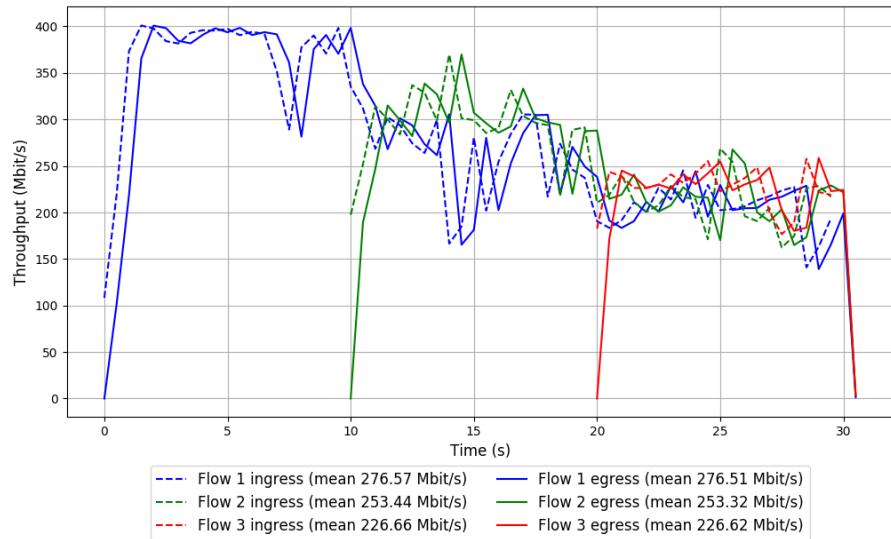


Run 4: Statistics of Copa

```
Start at: 2018-05-30 17:10:41
End at: 2018-05-30 17:11:11
Local clock offset: 0.38 ms
Remote clock offset: 0.358 ms

# Below is generated by plot.py at 2018-05-30 20:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.56 Mbit/s
95th percentile per-packet one-way delay: 22.290 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 276.51 Mbit/s
95th percentile per-packet one-way delay: 21.169 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 253.32 Mbit/s
95th percentile per-packet one-way delay: 22.607 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 226.62 Mbit/s
95th percentile per-packet one-way delay: 24.199 ms
Loss rate: 0.04%
```

Run 4: Report of Copa — Data Link

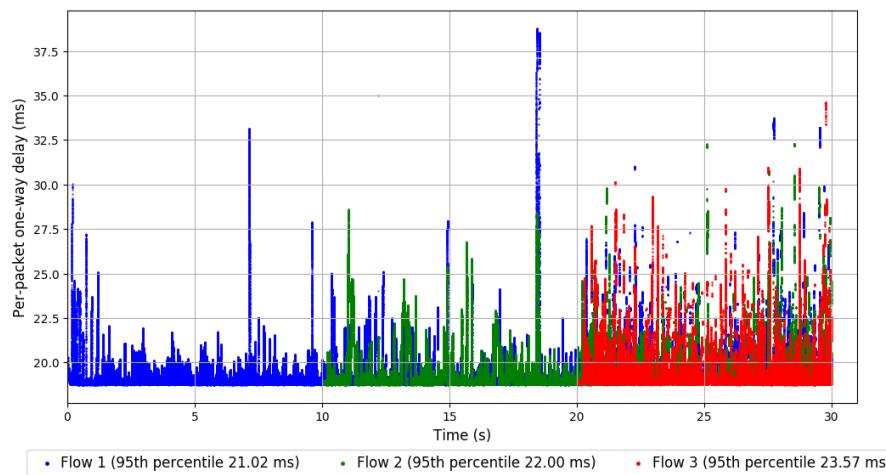
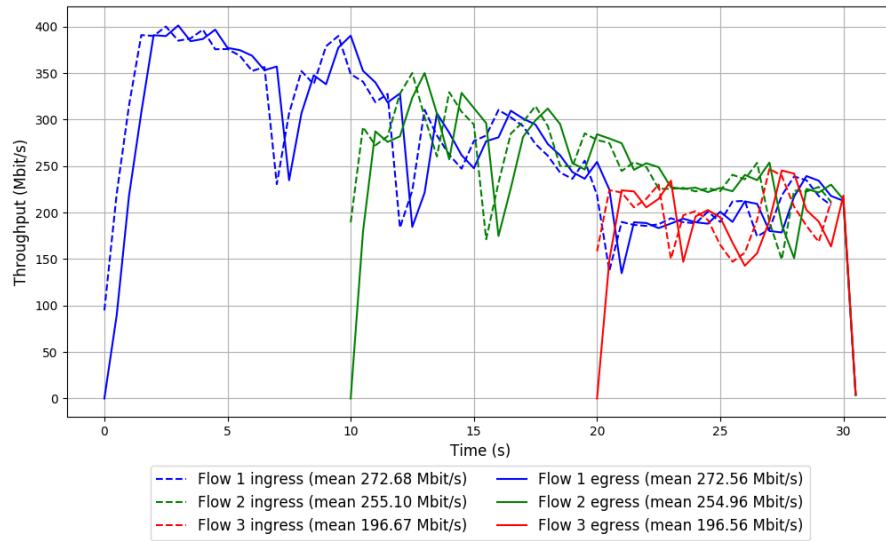


Run 5: Statistics of Copa

```
Start at: 2018-05-30 17:36:10
End at: 2018-05-30 17:36:40
Local clock offset: -0.094 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-05-30 20:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.65 Mbit/s
95th percentile per-packet one-way delay: 21.700 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 272.56 Mbit/s
95th percentile per-packet one-way delay: 21.025 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 254.96 Mbit/s
95th percentile per-packet one-way delay: 22.003 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 196.56 Mbit/s
95th percentile per-packet one-way delay: 23.574 ms
Loss rate: 0.03%
```

Run 5: Report of Copa — Data Link

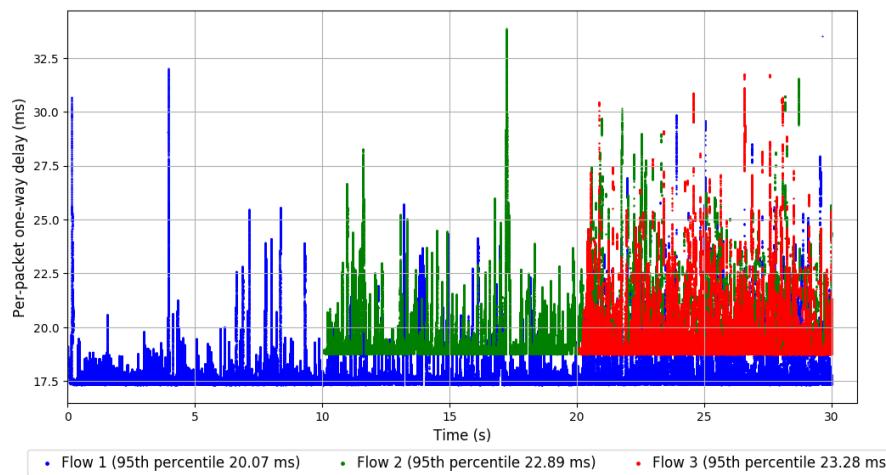
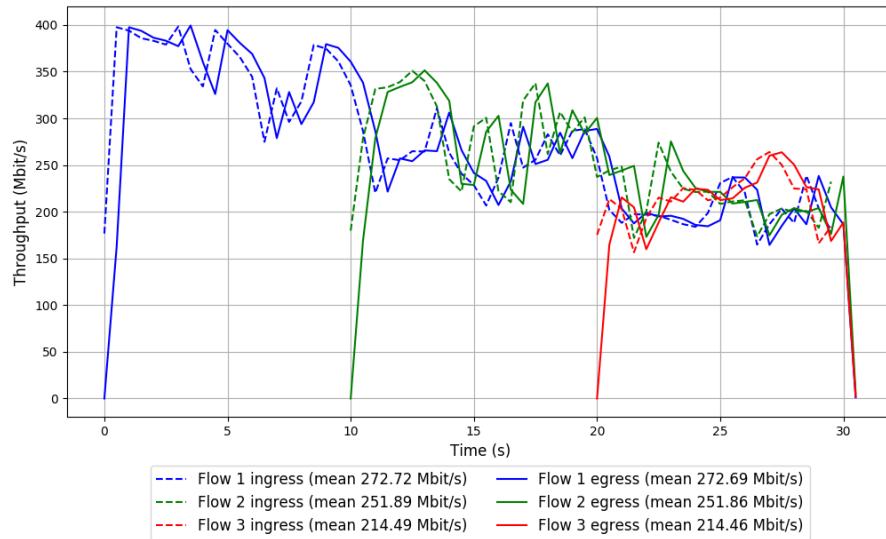


Run 6: Statistics of Copa

```
Start at: 2018-05-30 18:01:48
End at: 2018-05-30 18:02:18
Local clock offset: -0.118 ms
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2018-05-30 20:41:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 511.72 Mbit/s
95th percentile per-packet one-way delay: 21.981 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 272.69 Mbit/s
95th percentile per-packet one-way delay: 20.071 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 251.86 Mbit/s
95th percentile per-packet one-way delay: 22.887 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 214.46 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link

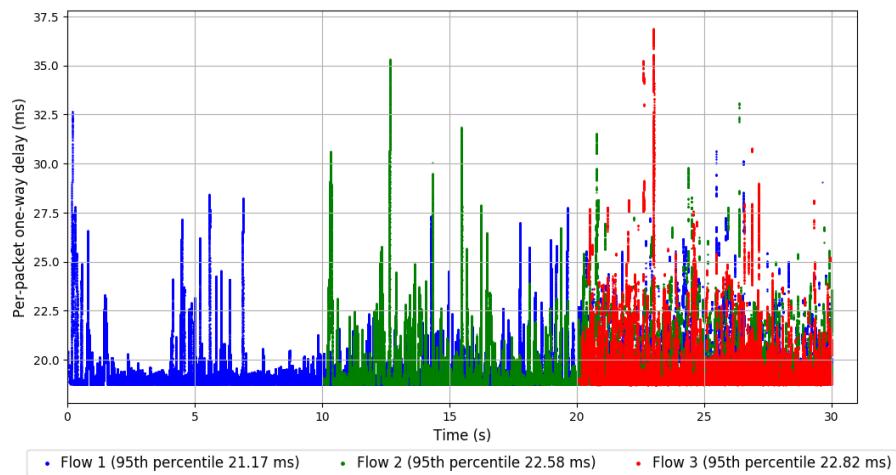
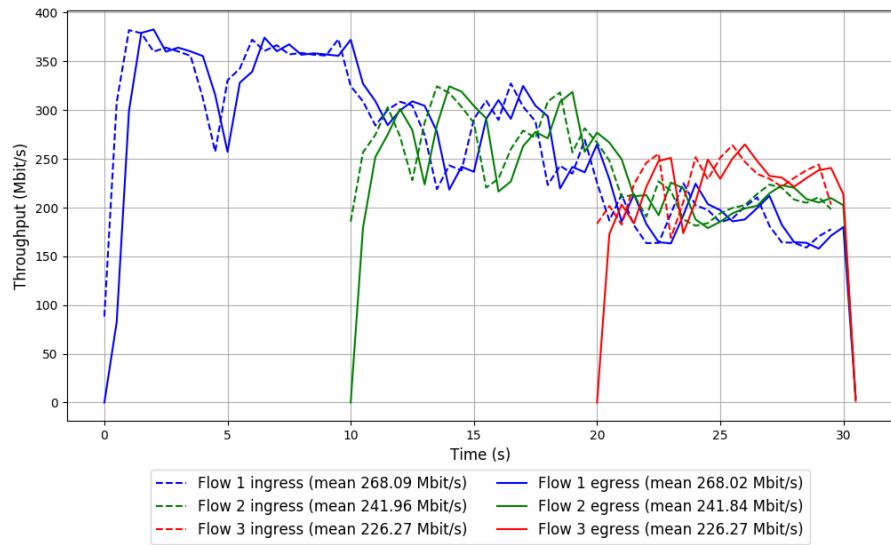


Run 7: Statistics of Copa

```
Start at: 2018-05-30 18:27:20
End at: 2018-05-30 18:27:50
Local clock offset: 0.143 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-05-30 20:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.32 Mbit/s
95th percentile per-packet one-way delay: 21.991 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 268.02 Mbit/s
95th percentile per-packet one-way delay: 21.166 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 241.84 Mbit/s
95th percentile per-packet one-way delay: 22.584 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

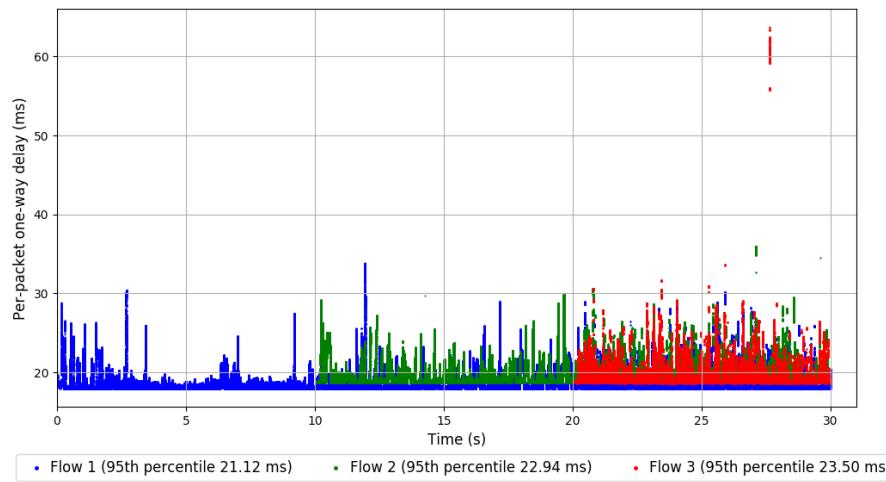
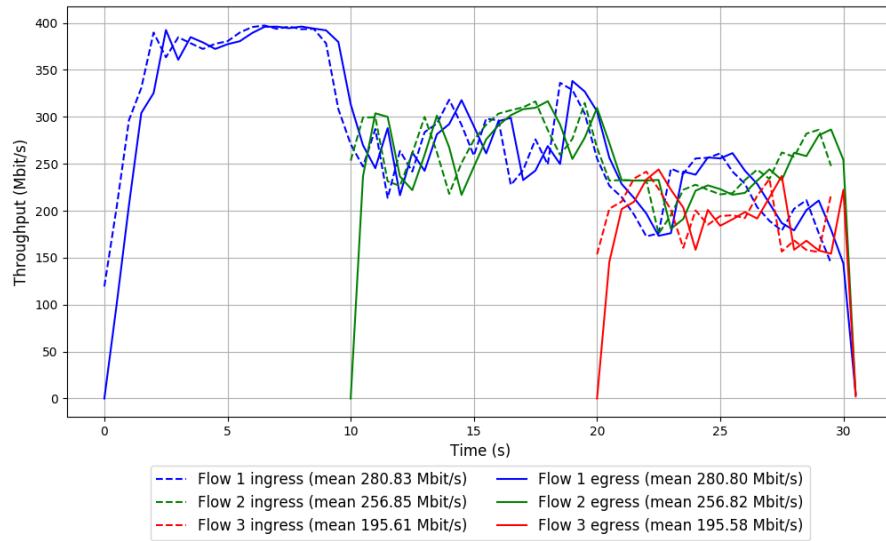


Run 8: Statistics of Copa

```
Start at: 2018-05-30 18:52:57
End at: 2018-05-30 18:53:27
Local clock offset: 0.231 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-30 20:51:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 516.87 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 280.80 Mbit/s
95th percentile per-packet one-way delay: 21.124 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 256.82 Mbit/s
95th percentile per-packet one-way delay: 22.944 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 195.58 Mbit/s
95th percentile per-packet one-way delay: 23.498 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

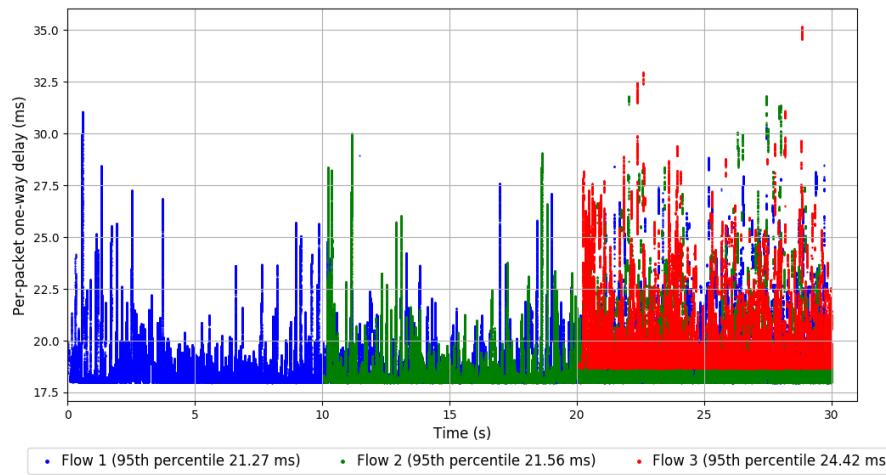
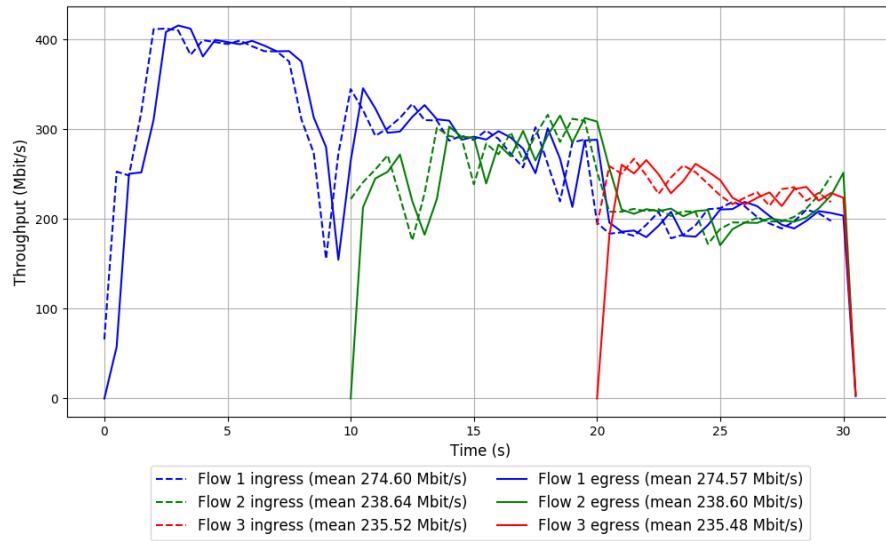


Run 9: Statistics of Copa

```
Start at: 2018-05-30 19:18:28
End at: 2018-05-30 19:18:58
Local clock offset: -0.691 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 511.73 Mbit/s
95th percentile per-packet one-way delay: 22.002 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 274.57 Mbit/s
95th percentile per-packet one-way delay: 21.269 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 21.562 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 235.48 Mbit/s
95th percentile per-packet one-way delay: 24.424 ms
Loss rate: 0.02%
```

Run 9: Report of Copa — Data Link

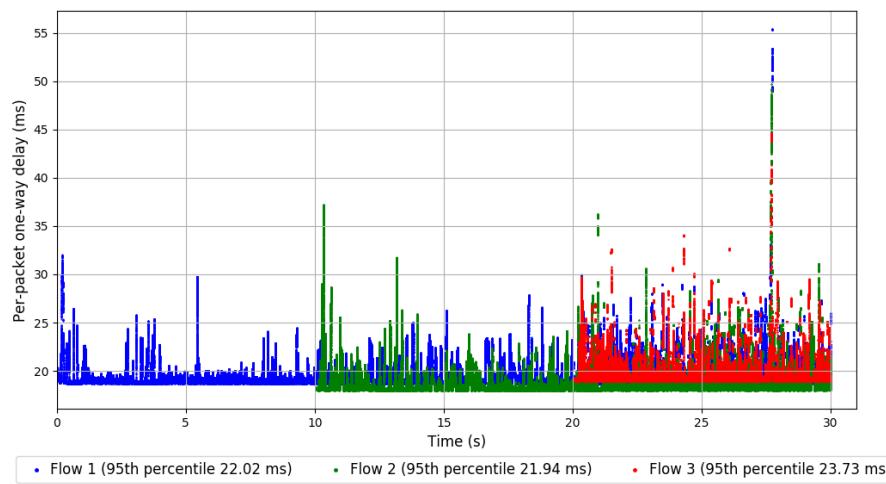
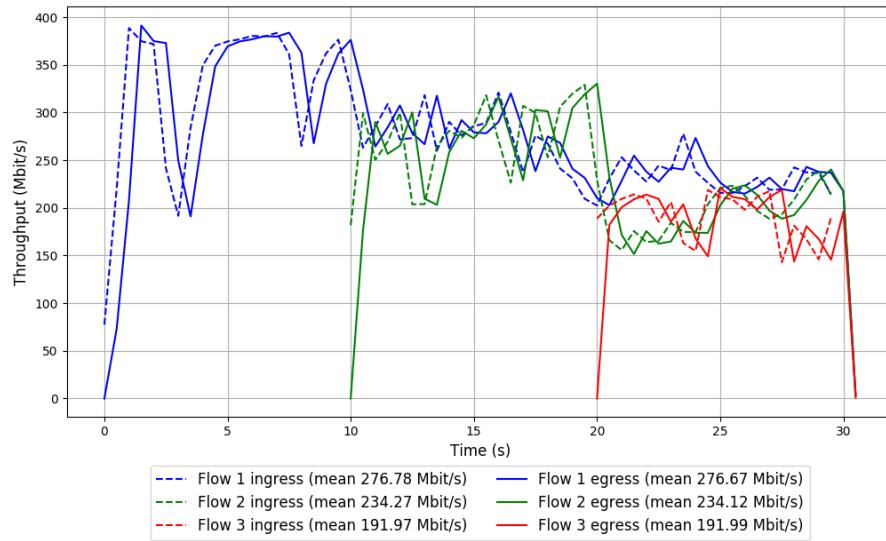


Run 10: Statistics of Copa

```
Start at: 2018-05-30 19:44:07
End at: 2018-05-30 19:44:37
Local clock offset: -1.365 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 496.40 Mbit/s
95th percentile per-packet one-way delay: 22.251 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 276.67 Mbit/s
95th percentile per-packet one-way delay: 22.019 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 234.12 Mbit/s
95th percentile per-packet one-way delay: 21.944 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 191.99 Mbit/s
95th percentile per-packet one-way delay: 23.735 ms
Loss rate: 0.05%
```

Run 10: Report of Copa — Data Link

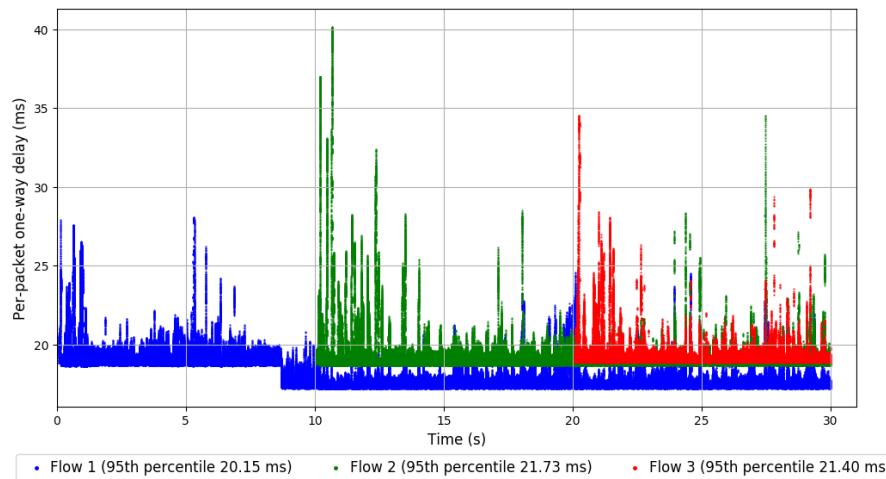
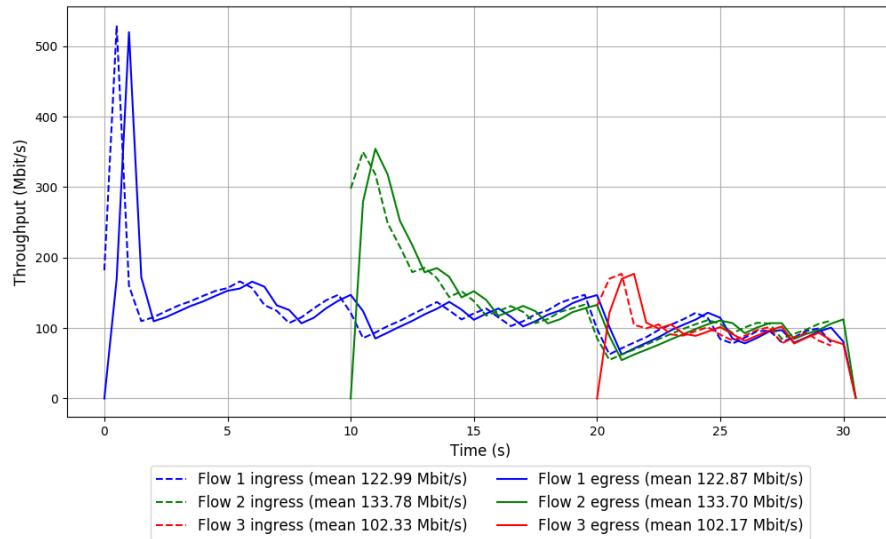


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-30 16:08:11
End at: 2018-05-30 16:08:41
Local clock offset: 0.103 ms
Remote clock offset: -0.493 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 245.91 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 122.87 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 133.70 Mbit/s
95th percentile per-packet one-way delay: 21.729 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 102.17 Mbit/s
95th percentile per-packet one-way delay: 21.399 ms
Loss rate: 0.17%
```

Run 1: Report of TCP Cubic — Data Link

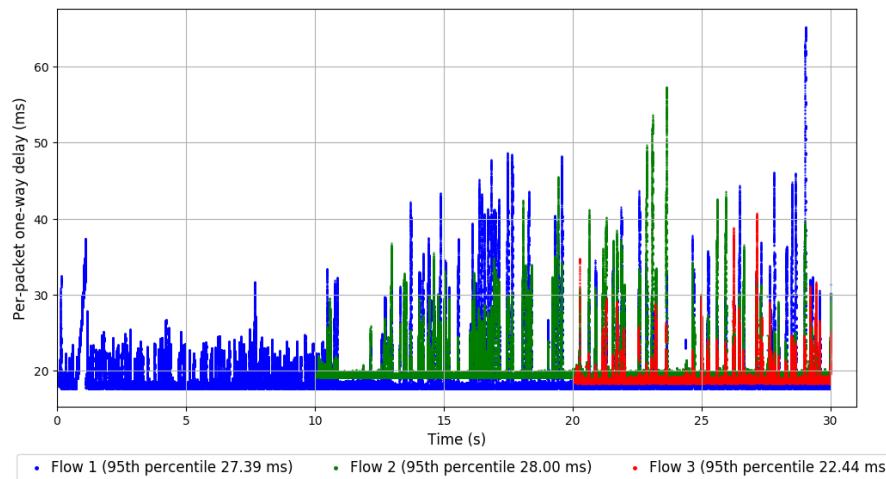
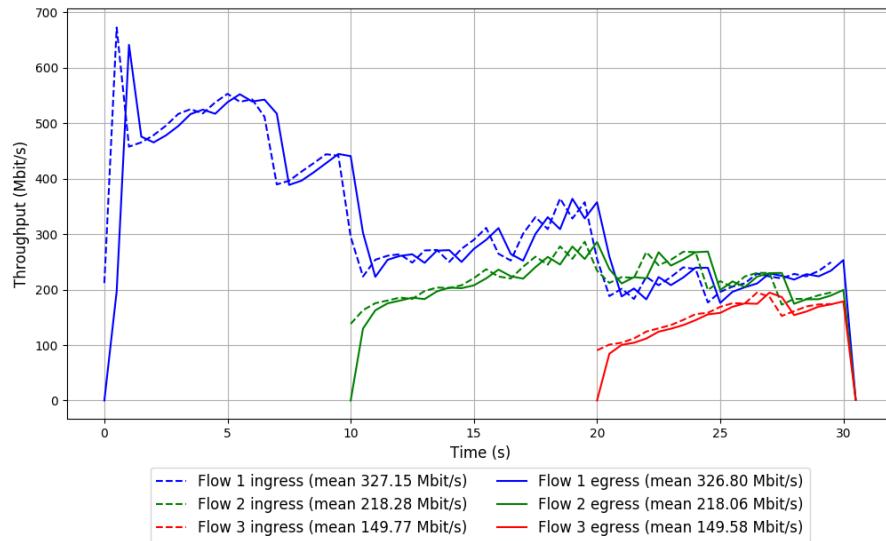


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-30 16:33:35
End at: 2018-05-30 16:34:05
Local clock offset: -0.254 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 521.93 Mbit/s
95th percentile per-packet one-way delay: 27.097 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 326.80 Mbit/s
95th percentile per-packet one-way delay: 27.388 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 218.06 Mbit/s
95th percentile per-packet one-way delay: 27.998 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 149.58 Mbit/s
95th percentile per-packet one-way delay: 22.443 ms
Loss rate: 0.12%
```

Run 2: Report of TCP Cubic — Data Link

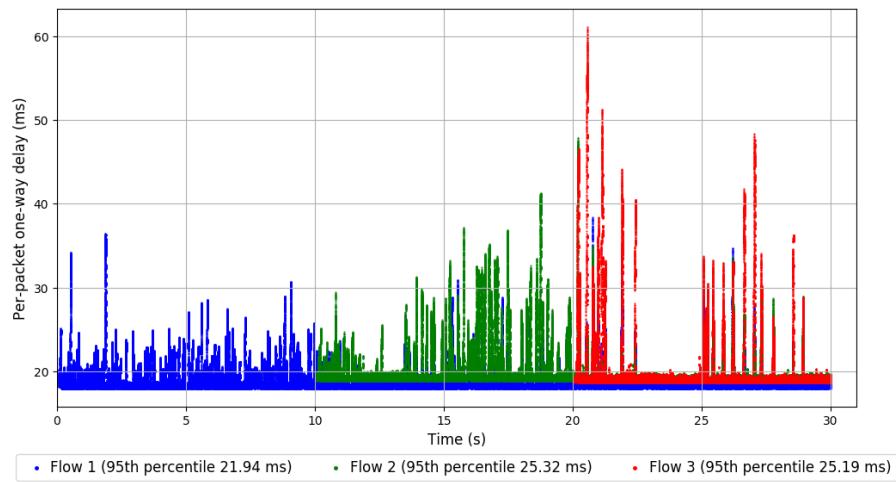
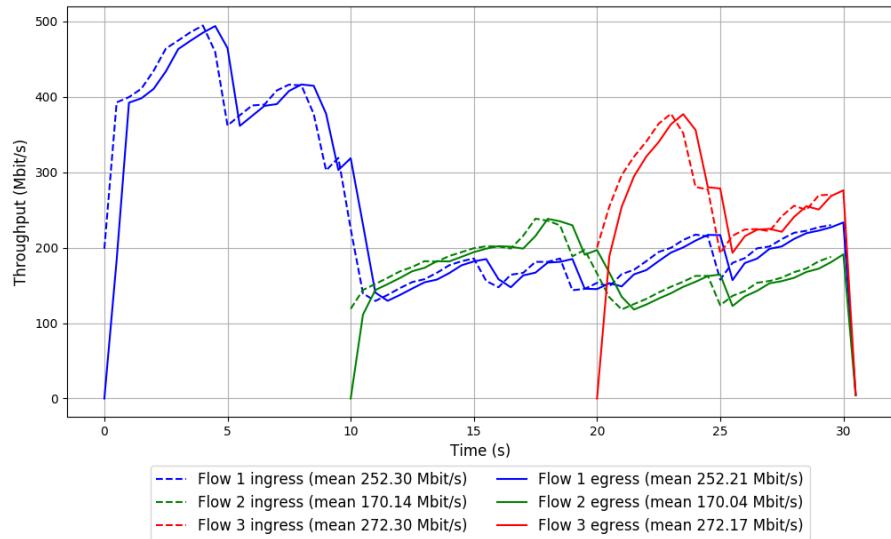


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-30 16:59:35
End at: 2018-05-30 17:00:05
Local clock offset: 0.36 ms
Remote clock offset: 0.45 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.95 Mbit/s
95th percentile per-packet one-way delay: 22.885 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 252.21 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 170.04 Mbit/s
95th percentile per-packet one-way delay: 25.323 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 272.17 Mbit/s
95th percentile per-packet one-way delay: 25.193 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Cubic — Data Link

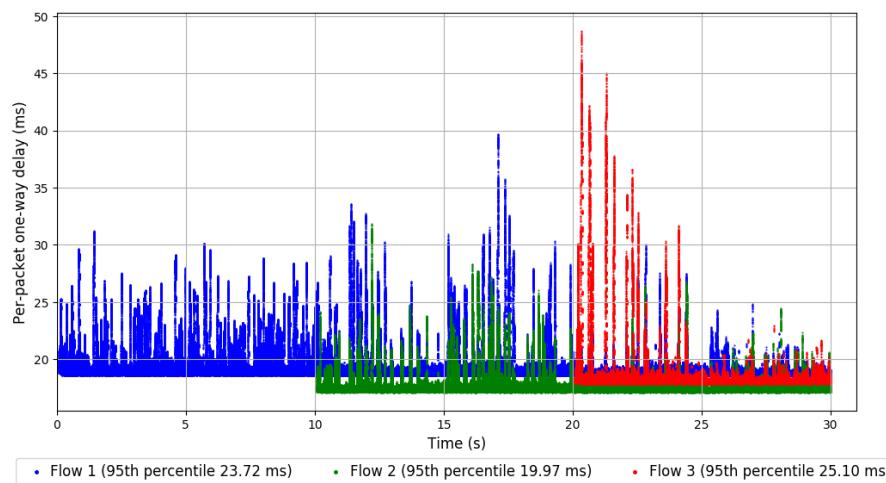
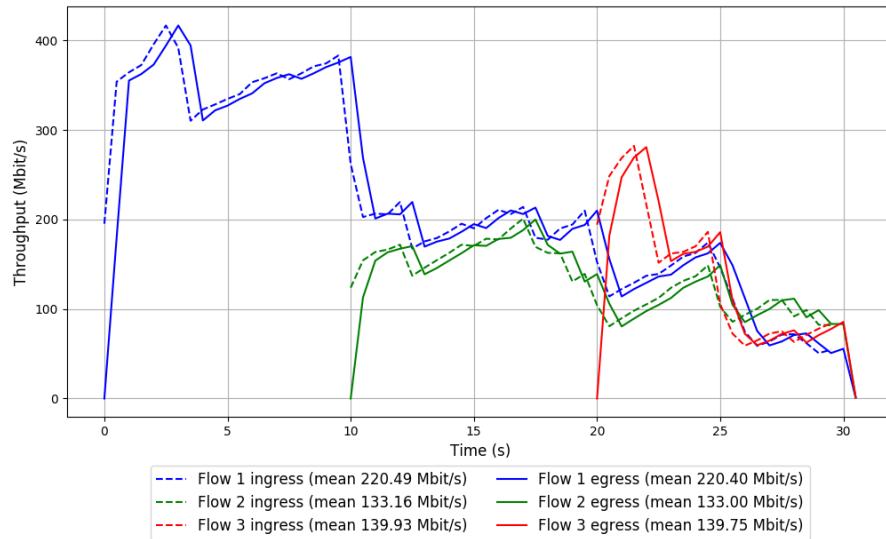


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-30 17:25:09
End at: 2018-05-30 17:25:39
Local clock offset: 0.35 ms
Remote clock offset: 0.34 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.46 Mbit/s
95th percentile per-packet one-way delay: 23.017 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 220.40 Mbit/s
95th percentile per-packet one-way delay: 23.724 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 133.00 Mbit/s
95th percentile per-packet one-way delay: 19.974 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 139.75 Mbit/s
95th percentile per-packet one-way delay: 25.099 ms
Loss rate: 0.13%
```

Run 4: Report of TCP Cubic — Data Link

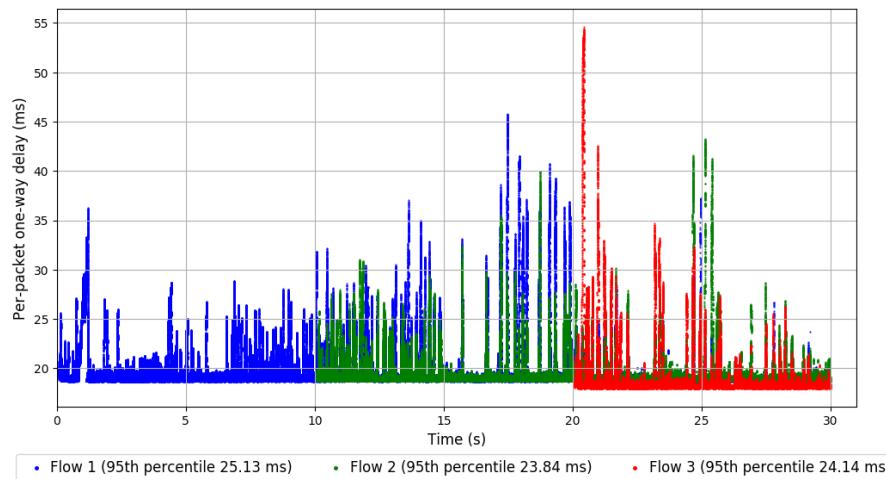
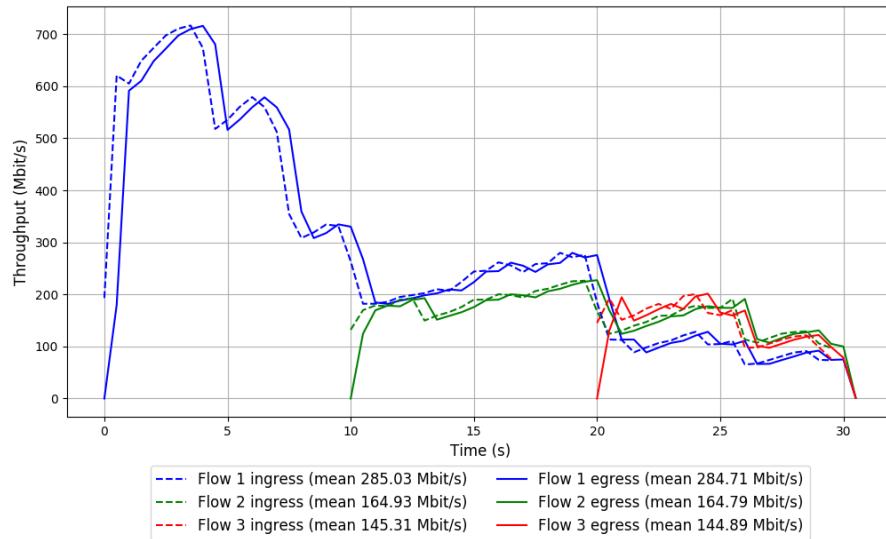


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-30 17:50:38
End at: 2018-05-30 17:51:08
Local clock offset: -0.353 ms
Remote clock offset: -0.418 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.65 Mbit/s
95th percentile per-packet one-way delay: 24.757 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 284.71 Mbit/s
95th percentile per-packet one-way delay: 25.132 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 164.79 Mbit/s
95th percentile per-packet one-way delay: 23.840 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 144.89 Mbit/s
95th percentile per-packet one-way delay: 24.135 ms
Loss rate: 0.29%
```

Run 5: Report of TCP Cubic — Data Link

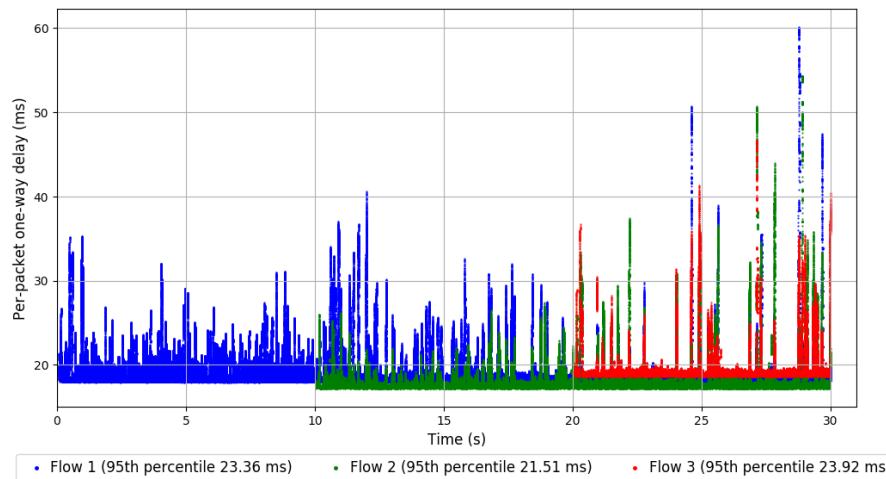
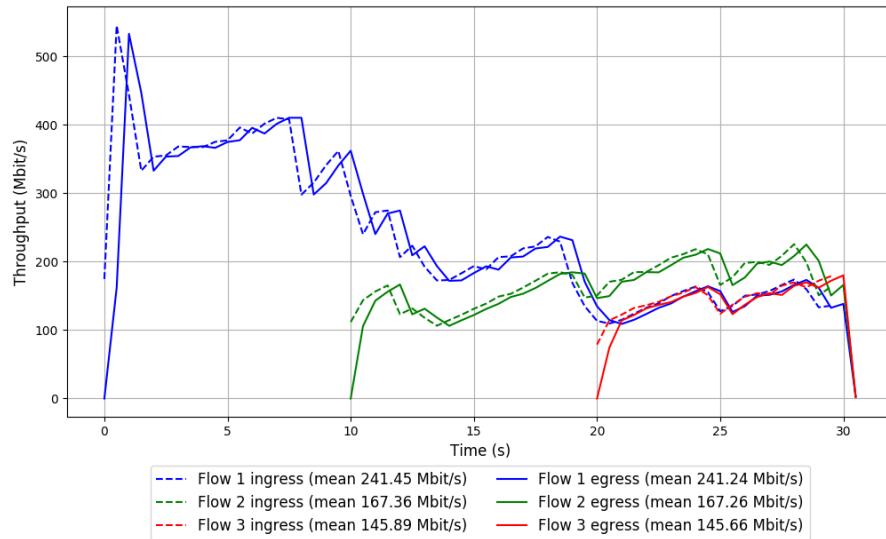


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-30 18:16:13
End at: 2018-05-30 18:16:43
Local clock offset: 0.013 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.09 Mbit/s
95th percentile per-packet one-way delay: 23.080 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 241.24 Mbit/s
95th percentile per-packet one-way delay: 23.363 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 167.26 Mbit/s
95th percentile per-packet one-way delay: 21.512 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 145.66 Mbit/s
95th percentile per-packet one-way delay: 23.919 ms
Loss rate: 0.15%
```

Run 6: Report of TCP Cubic — Data Link

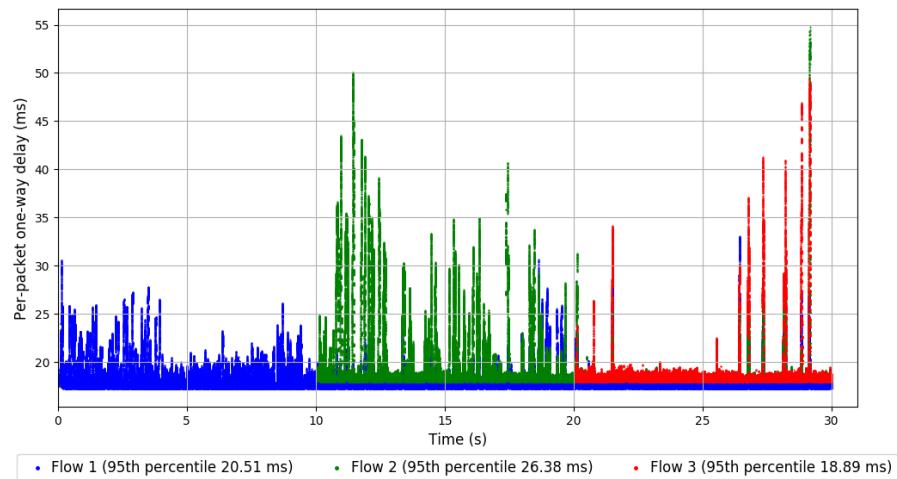
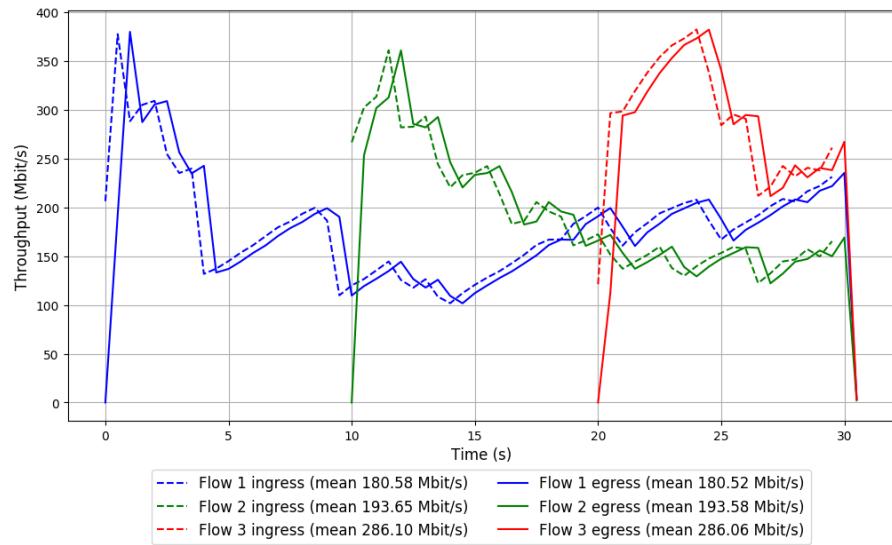


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-30 18:41:49
End at: 2018-05-30 18:42:19
Local clock offset: 0.356 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.56 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 180.52 Mbit/s
95th percentile per-packet one-way delay: 20.513 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 193.58 Mbit/s
95th percentile per-packet one-way delay: 26.376 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 286.06 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Cubic — Data Link

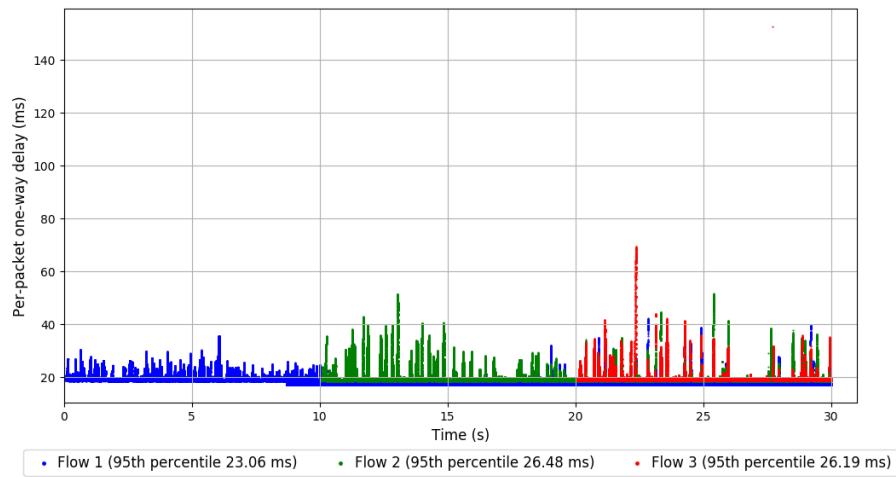
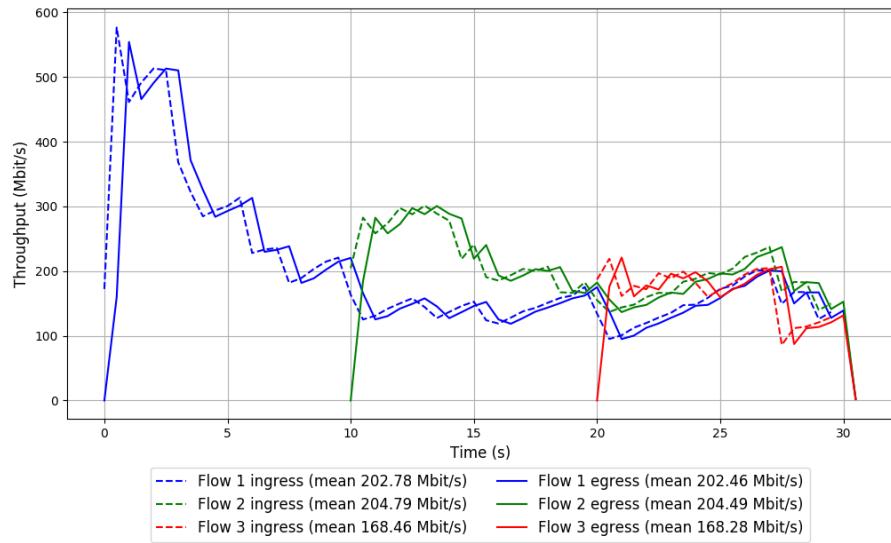


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-30 19:07:24
End at: 2018-05-30 19:07:54
Local clock offset: -0.328 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-05-30 20:52:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.67 Mbit/s
95th percentile per-packet one-way delay: 24.211 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 202.46 Mbit/s
95th percentile per-packet one-way delay: 23.061 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 204.49 Mbit/s
95th percentile per-packet one-way delay: 26.476 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 168.28 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.10%
```

Run 8: Report of TCP Cubic — Data Link

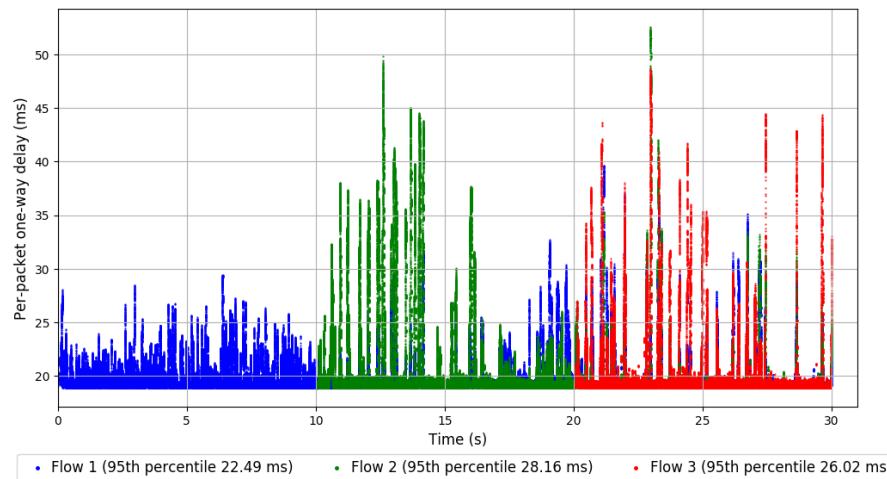
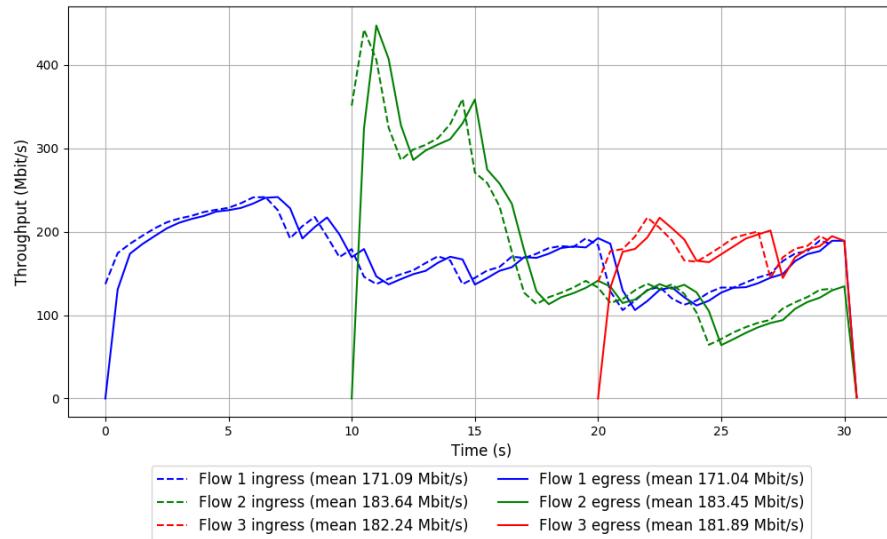


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-30 19:33:02
End at: 2018-05-30 19:33:32
Local clock offset: -0.988 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-05-30 20:53:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 24.166 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 171.04 Mbit/s
95th percentile per-packet one-way delay: 22.492 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 183.45 Mbit/s
95th percentile per-packet one-way delay: 28.155 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 181.89 Mbit/s
95th percentile per-packet one-way delay: 26.022 ms
Loss rate: 0.17%
```

Run 9: Report of TCP Cubic — Data Link

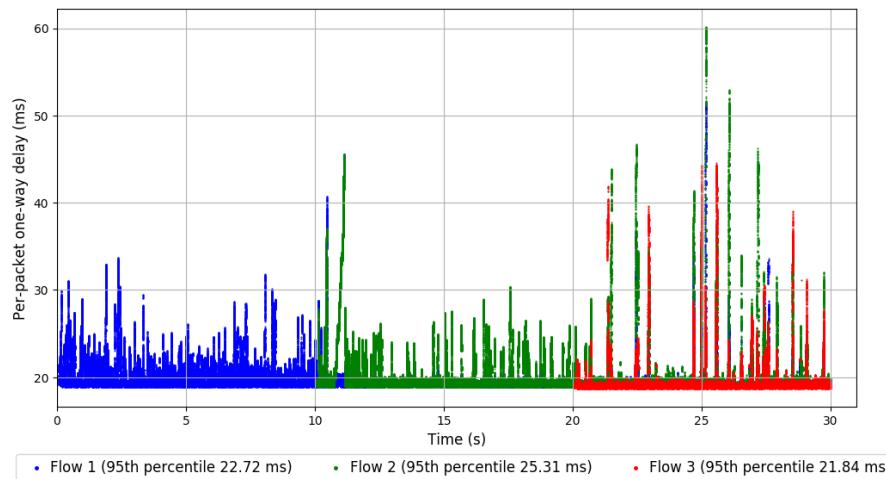
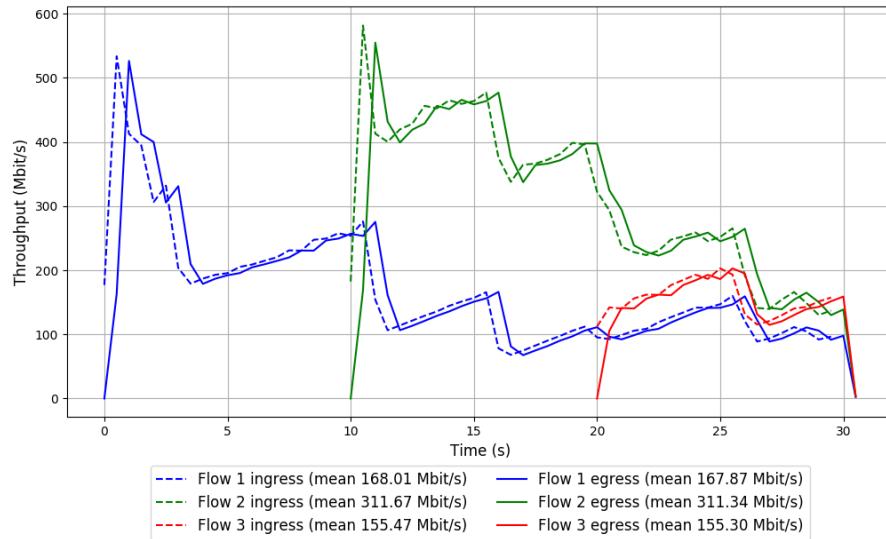


Run 10: Statistics of TCP Cubic

```
Start at: 2018-05-30 19:58:27
End at: 2018-05-30 19:58:57
Local clock offset: -1.219 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-30 20:55:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.92 Mbit/s
95th percentile per-packet one-way delay: 23.917 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 167.87 Mbit/s
95th percentile per-packet one-way delay: 22.722 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 311.34 Mbit/s
95th percentile per-packet one-way delay: 25.308 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 155.30 Mbit/s
95th percentile per-packet one-way delay: 21.841 ms
Loss rate: 0.11%
```

Run 10: Report of TCP Cubic — Data Link

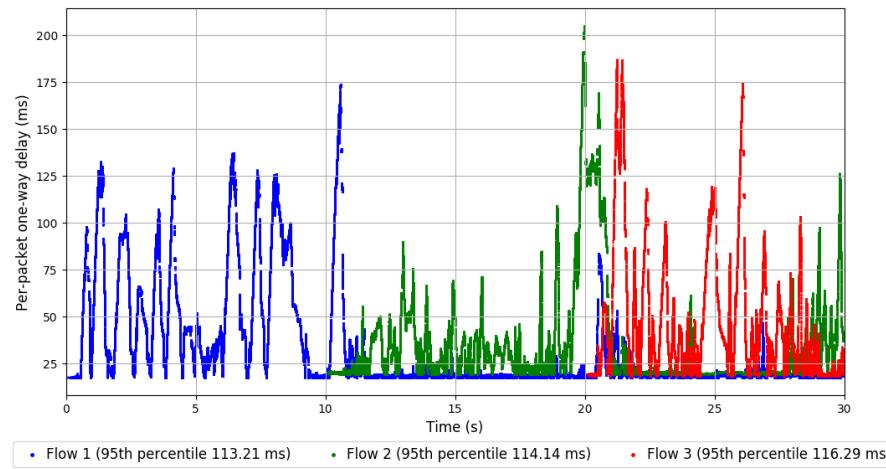
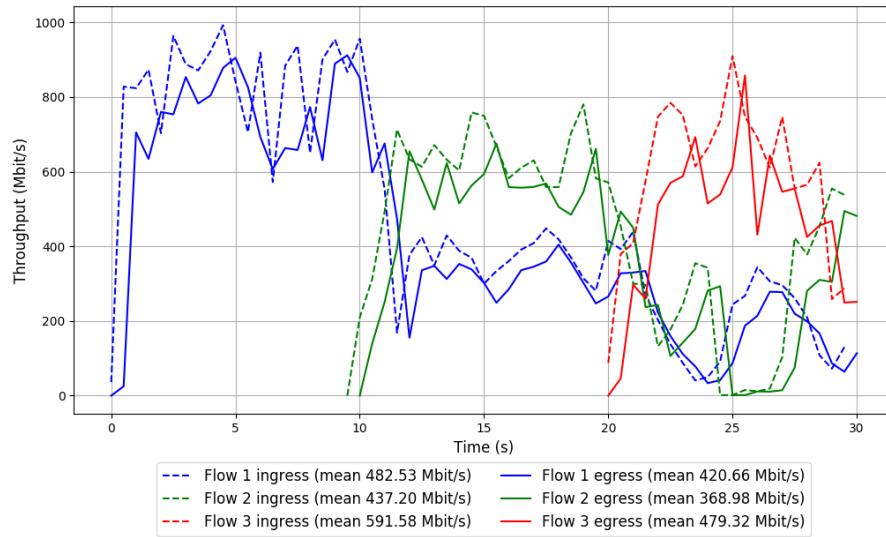


```
Run 1: Statistics of FillP

Start at: 2018-05-30 15:50:51
End at: 2018-05-30 15:51:21
Local clock offset: -0.019 ms
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2018-05-30 21:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 825.35 Mbit/s
95th percentile per-packet one-way delay: 114.375 ms
Loss rate: 14.90%
-- Flow 1:
Average throughput: 420.66 Mbit/s
95th percentile per-packet one-way delay: 113.206 ms
Loss rate: 12.82%
-- Flow 2:
Average throughput: 368.98 Mbit/s
95th percentile per-packet one-way delay: 114.141 ms
Loss rate: 15.60%
-- Flow 3:
Average throughput: 479.32 Mbit/s
95th percentile per-packet one-way delay: 116.288 ms
Loss rate: 18.97%
```

Run 1: Report of FillP — Data Link

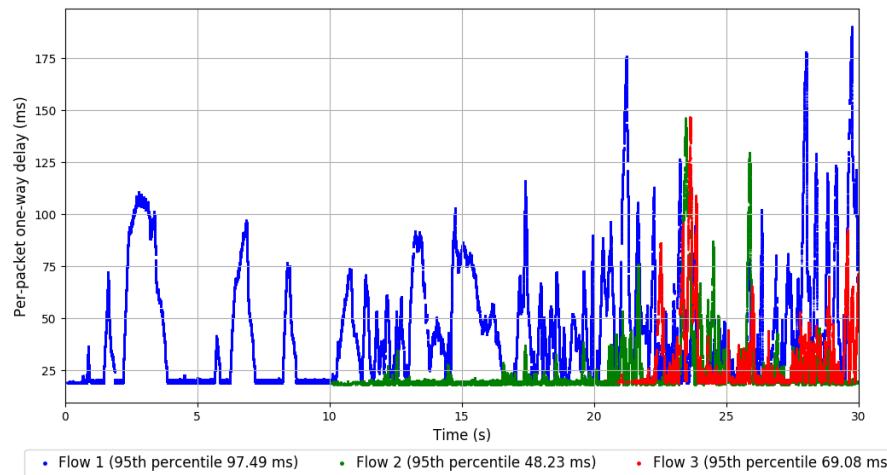
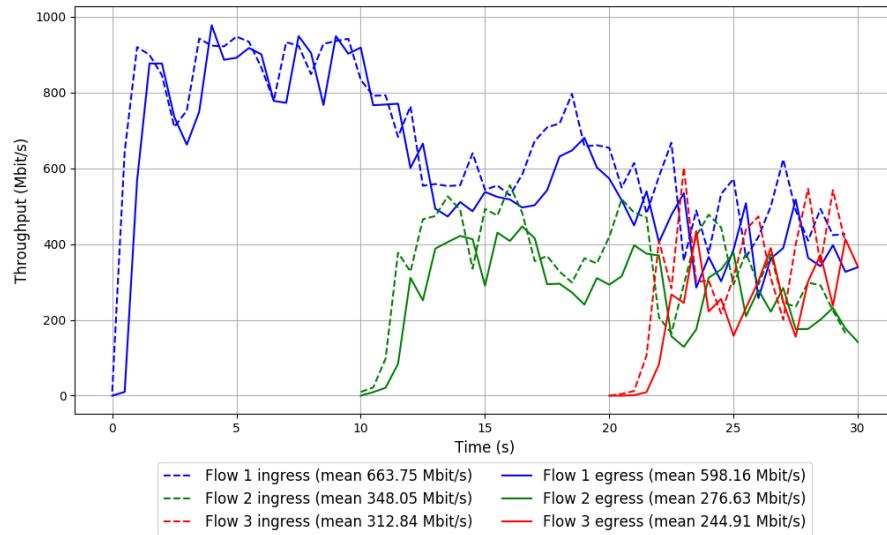


Run 2: Statistics of FillP

```
Start at: 2018-05-30 16:16:04
End at: 2018-05-30 16:16:34
Local clock offset: -0.01 ms
Remote clock offset: -0.385 ms

# Below is generated by plot.py at 2018-05-30 21:04:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 860.15 Mbit/s
95th percentile per-packet one-way delay: 91.670 ms
Loss rate: 13.90%
-- Flow 1:
Average throughput: 598.16 Mbit/s
95th percentile per-packet one-way delay: 97.488 ms
Loss rate: 9.88%
-- Flow 2:
Average throughput: 276.63 Mbit/s
95th percentile per-packet one-way delay: 48.228 ms
Loss rate: 20.52%
-- Flow 3:
Average throughput: 244.91 Mbit/s
95th percentile per-packet one-way delay: 69.077 ms
Loss rate: 24.88%
```

Run 2: Report of FillP — Data Link

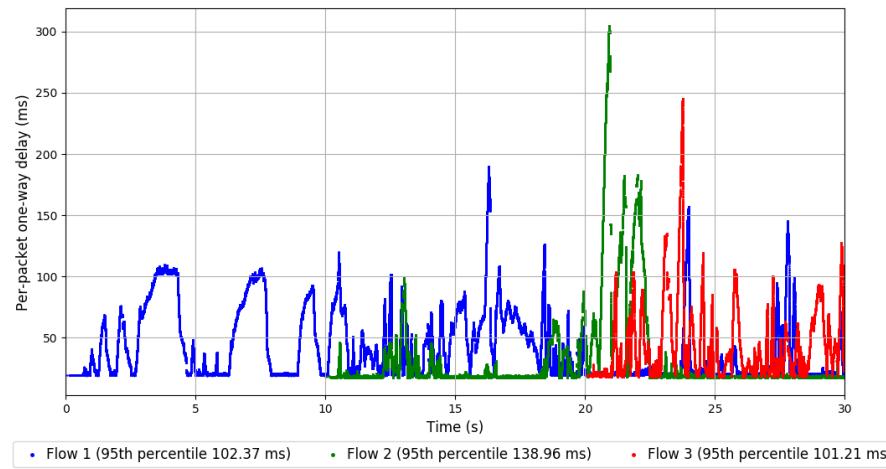
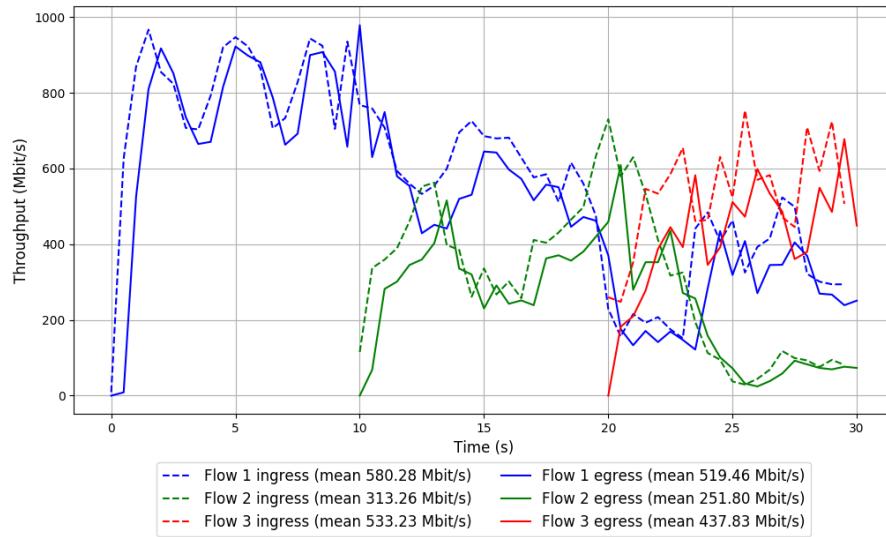


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-30 16:41:54
End at: 2018-05-30 16:42:24
Local clock offset: 0.182 ms
Remote clock offset: 0.544 ms

# Below is generated by plot.py at 2018-05-30 21:04:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 832.55 Mbit/s
95th percentile per-packet one-way delay: 103.215 ms
Loss rate: 13.81%
-- Flow 1:
Average throughput: 519.46 Mbit/s
95th percentile per-packet one-way delay: 102.369 ms
Loss rate: 10.48%
-- Flow 2:
Average throughput: 251.80 Mbit/s
95th percentile per-packet one-way delay: 138.959 ms
Loss rate: 19.62%
-- Flow 3:
Average throughput: 437.83 Mbit/s
95th percentile per-packet one-way delay: 101.214 ms
Loss rate: 17.88%
```

Run 3: Report of FillP — Data Link

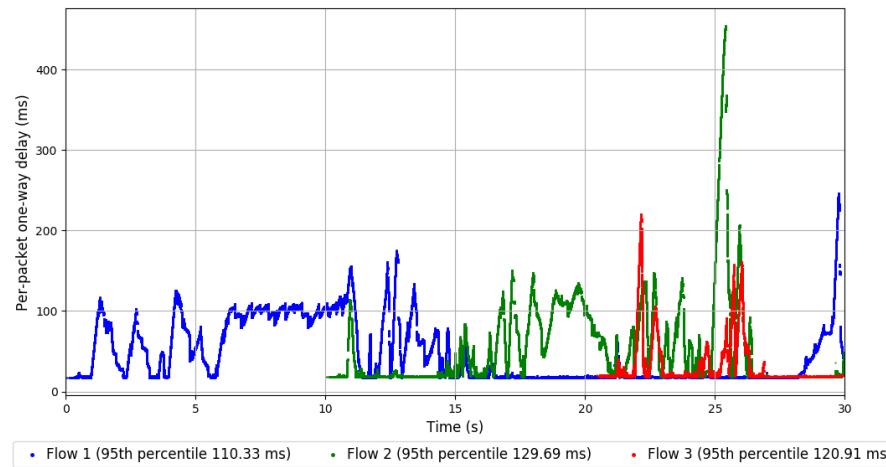
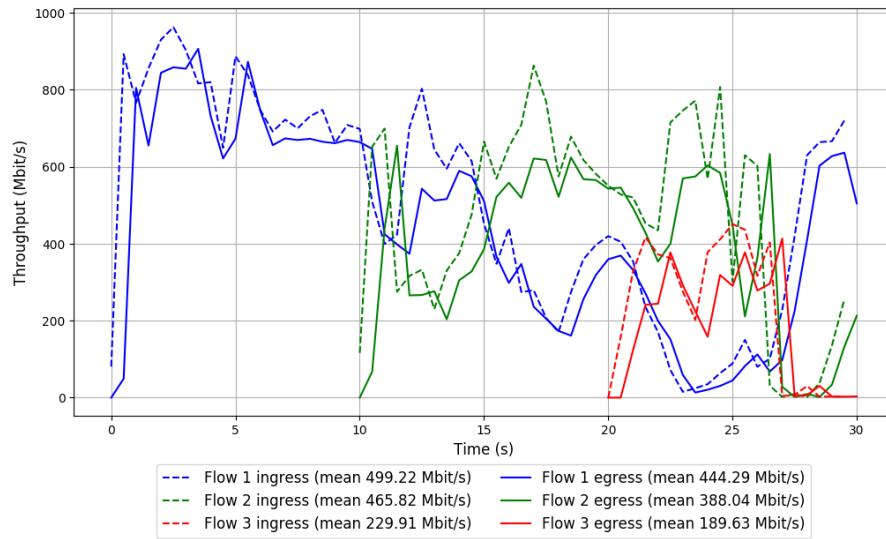


Run 4: Statistics of FillP

```
Start at: 2018-05-30 17:07:38
End at: 2018-05-30 17:08:08
Local clock offset: 0.459 ms
Remote clock offset: 0.361 ms

# Below is generated by plot.py at 2018-05-30 21:04:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 764.22 Mbit/s
95th percentile per-packet one-way delay: 119.676 ms
Loss rate: 13.70%
-- Flow 1:
Average throughput: 444.29 Mbit/s
95th percentile per-packet one-way delay: 110.331 ms
Loss rate: 11.00%
-- Flow 2:
Average throughput: 388.04 Mbit/s
95th percentile per-packet one-way delay: 129.689 ms
Loss rate: 16.69%
-- Flow 3:
Average throughput: 189.63 Mbit/s
95th percentile per-packet one-way delay: 120.911 ms
Loss rate: 19.20%
```

Run 4: Report of FillP — Data Link

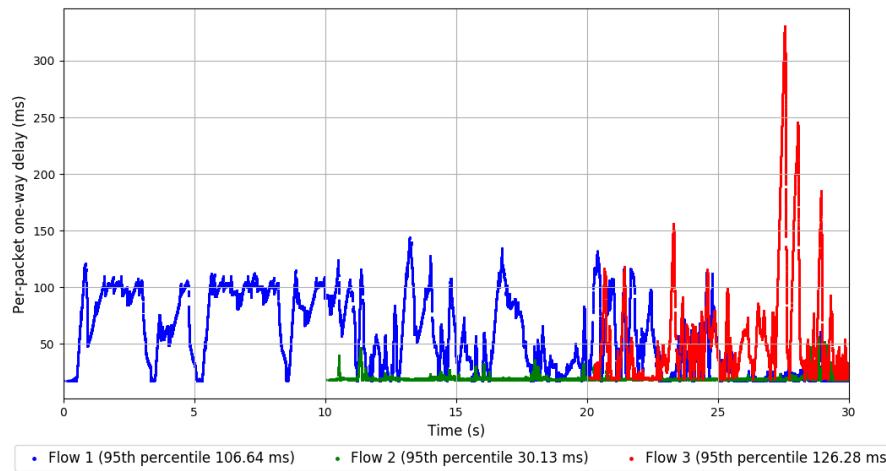
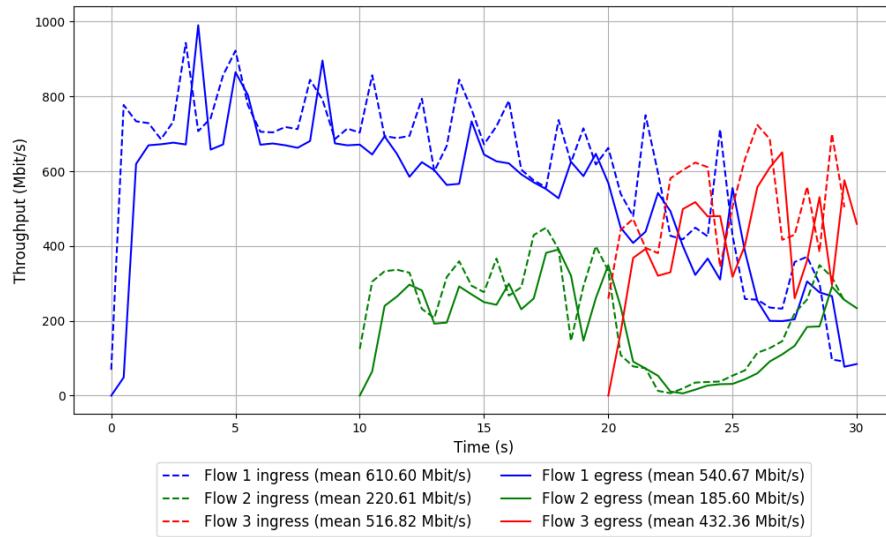


Run 5: Statistics of FillP

```
Start at: 2018-05-30 17:33:05
End at: 2018-05-30 17:33:35
Local clock offset: -0.0 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-30 21:04:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 807.41 Mbit/s
95th percentile per-packet one-way delay: 105.679 ms
Loss rate: 13.05%
-- Flow 1:
Average throughput: 540.67 Mbit/s
95th percentile per-packet one-way delay: 106.643 ms
Loss rate: 11.45%
-- Flow 2:
Average throughput: 185.60 Mbit/s
95th percentile per-packet one-way delay: 30.131 ms
Loss rate: 15.87%
-- Flow 3:
Average throughput: 432.36 Mbit/s
95th percentile per-packet one-way delay: 126.279 ms
Loss rate: 16.34%
```

Run 5: Report of FillP — Data Link

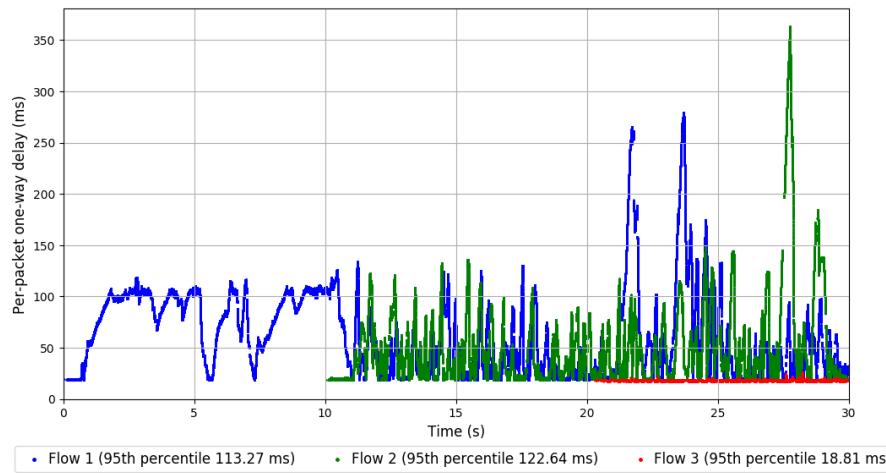
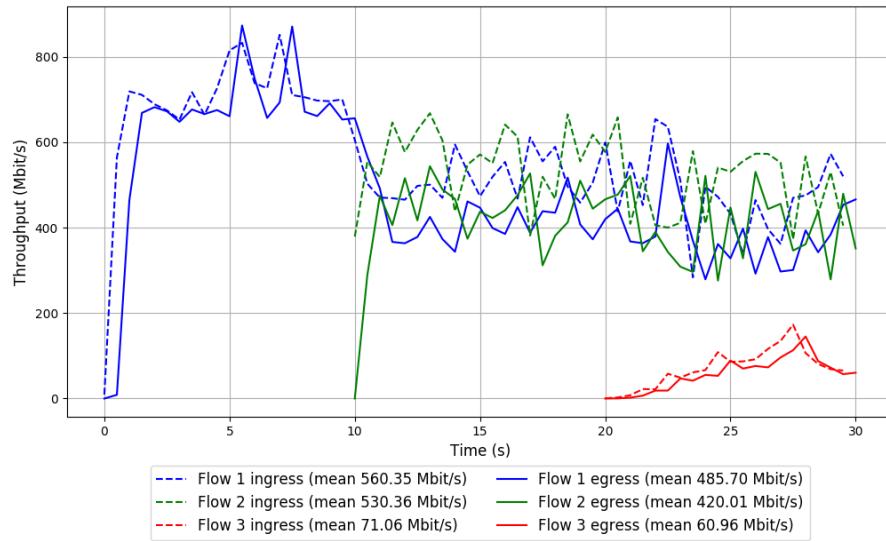


Run 6: Statistics of FillP

```
Start at: 2018-05-30 17:58:41
End at: 2018-05-30 17:59:11
Local clock offset: -0.076 ms
Remote clock offset: -0.385 ms

# Below is generated by plot.py at 2018-05-30 21:04:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 785.02 Mbit/s
95th percentile per-packet one-way delay: 114.536 ms
Loss rate: 16.20%
-- Flow 1:
Average throughput: 485.70 Mbit/s
95th percentile per-packet one-way delay: 113.272 ms
Loss rate: 13.32%
-- Flow 2:
Average throughput: 420.01 Mbit/s
95th percentile per-packet one-way delay: 122.639 ms
Loss rate: 20.80%
-- Flow 3:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 15.96%
```

Run 6: Report of FillP — Data Link

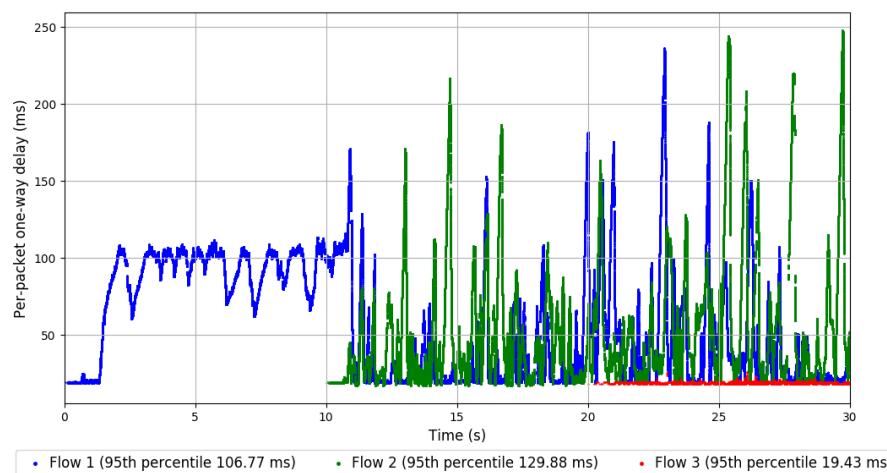
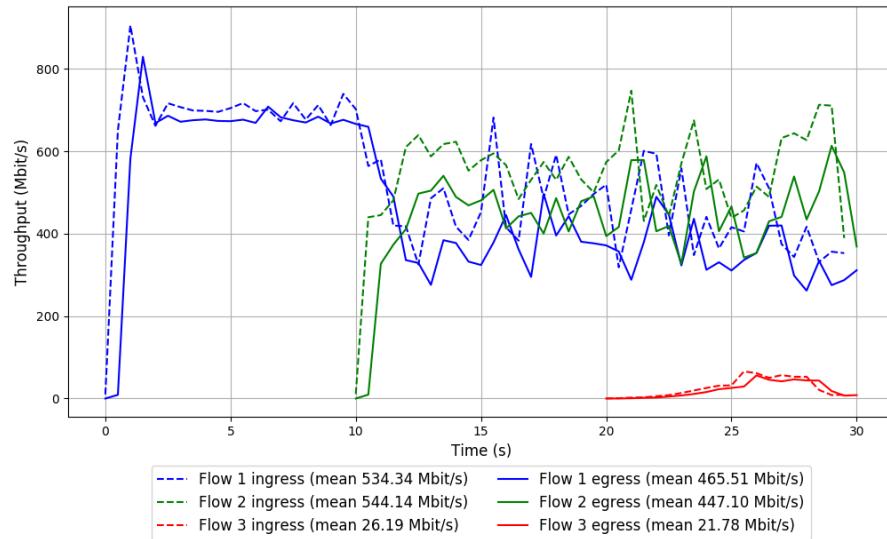


Run 7: Statistics of FillP

```
Start at: 2018-05-30 18:24:14
End at: 2018-05-30 18:24:44
Local clock offset: 0.03 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-30 21:06:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 770.45 Mbit/s
95th percentile per-packet one-way delay: 109.196 ms
Loss rate: 14.90%
-- Flow 1:
Average throughput: 465.51 Mbit/s
95th percentile per-packet one-way delay: 106.771 ms
Loss rate: 12.88%
-- Flow 2:
Average throughput: 447.10 Mbit/s
95th percentile per-packet one-way delay: 129.884 ms
Loss rate: 17.83%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 16.86%
```

Run 7: Report of FillP — Data Link

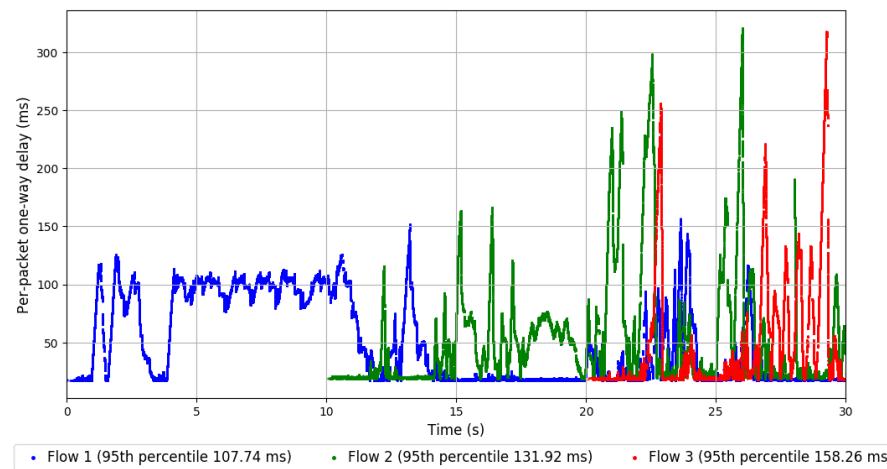
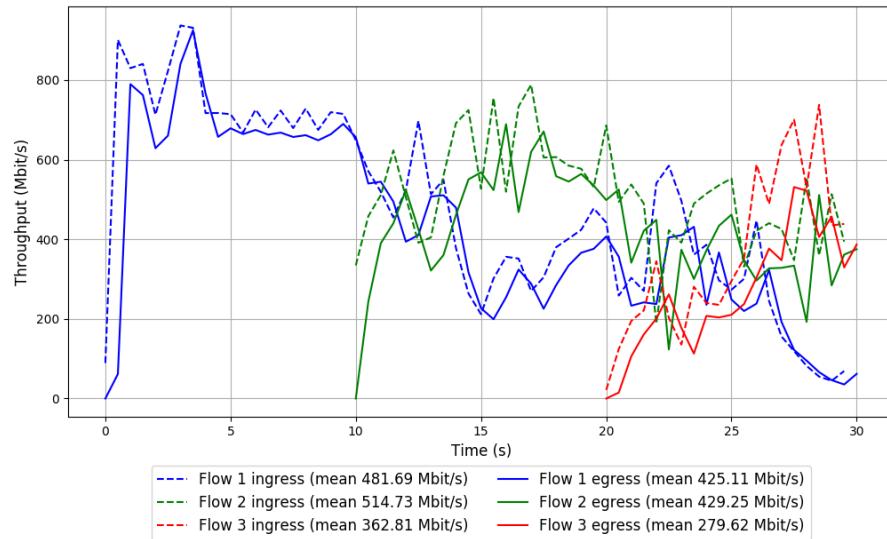


Run 8: Statistics of FillP

```
Start at: 2018-05-30 18:49:50
End at: 2018-05-30 18:50:20
Local clock offset: 0.352 ms
Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2018-05-30 21:09:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 803.31 Mbit/s
95th percentile per-packet one-way delay: 114.354 ms
Loss rate: 14.93%
-- Flow 1:
Average throughput: 425.11 Mbit/s
95th percentile per-packet one-way delay: 107.737 ms
Loss rate: 11.75%
-- Flow 2:
Average throughput: 429.25 Mbit/s
95th percentile per-packet one-way delay: 131.916 ms
Loss rate: 16.61%
-- Flow 3:
Average throughput: 279.62 Mbit/s
95th percentile per-packet one-way delay: 158.261 ms
Loss rate: 22.89%
```

Run 8: Report of FillP — Data Link

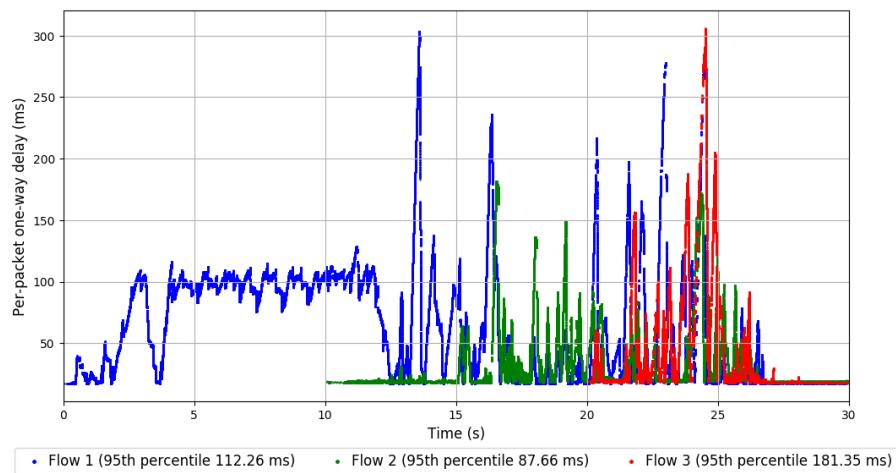
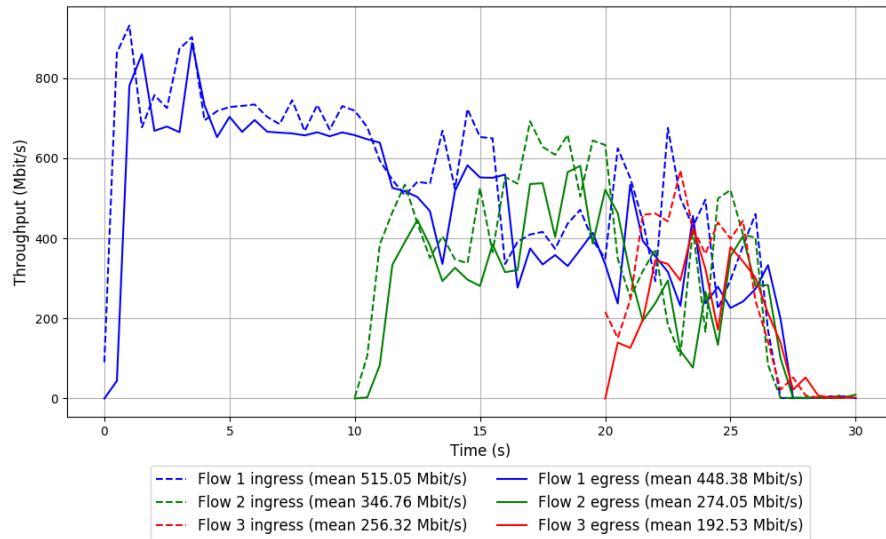


Run 9: Statistics of FillP

```
Start at: 2018-05-30 19:15:24
End at: 2018-05-30 19:15:54
Local clock offset: -0.562 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-05-30 21:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 694.37 Mbit/s
95th percentile per-packet one-way delay: 114.181 ms
Loss rate: 16.40%
-- Flow 1:
Average throughput: 448.38 Mbit/s
95th percentile per-packet one-way delay: 112.257 ms
Loss rate: 12.95%
-- Flow 2:
Average throughput: 274.05 Mbit/s
95th percentile per-packet one-way delay: 87.662 ms
Loss rate: 20.97%
-- Flow 3:
Average throughput: 192.53 Mbit/s
95th percentile per-packet one-way delay: 181.350 ms
Loss rate: 24.90%
```

Run 9: Report of FillP — Data Link

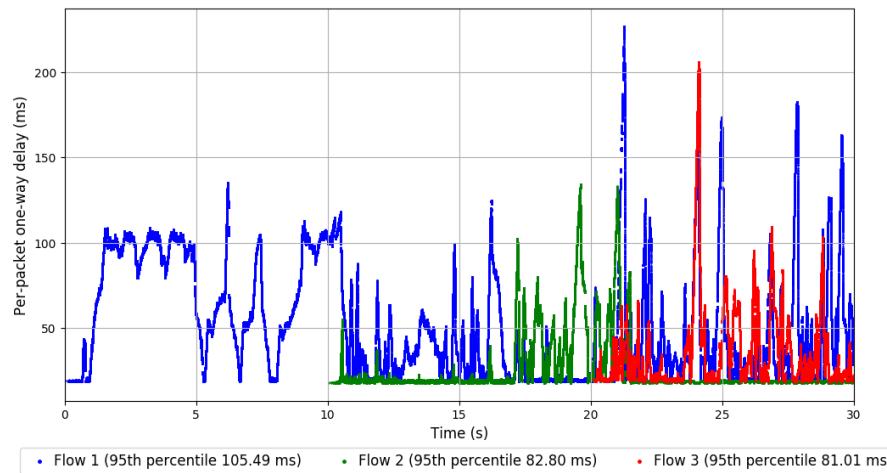
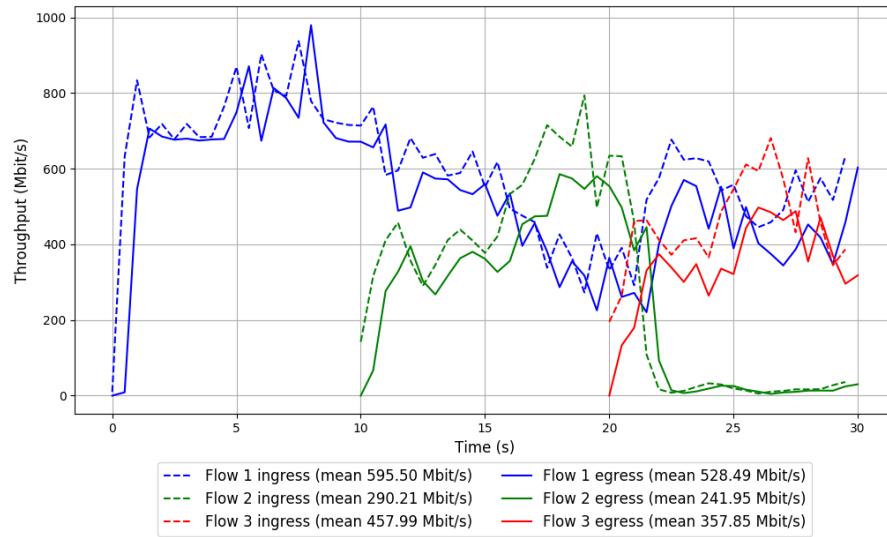


Run 10: Statistics of FillP

```
Start at: 2018-05-30 19:41:01
End at: 2018-05-30 19:41:31
Local clock offset: -1.177 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-05-30 21:17:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.29 Mbit/s
95th percentile per-packet one-way delay: 104.390 ms
Loss rate: 14.07%
-- Flow 1:
Average throughput: 528.49 Mbit/s
95th percentile per-packet one-way delay: 105.493 ms
Loss rate: 11.25%
-- Flow 2:
Average throughput: 241.95 Mbit/s
95th percentile per-packet one-way delay: 82.797 ms
Loss rate: 16.63%
-- Flow 3:
Average throughput: 357.85 Mbit/s
95th percentile per-packet one-way delay: 81.009 ms
Loss rate: 21.86%
```

Run 10: Report of FillP — Data Link

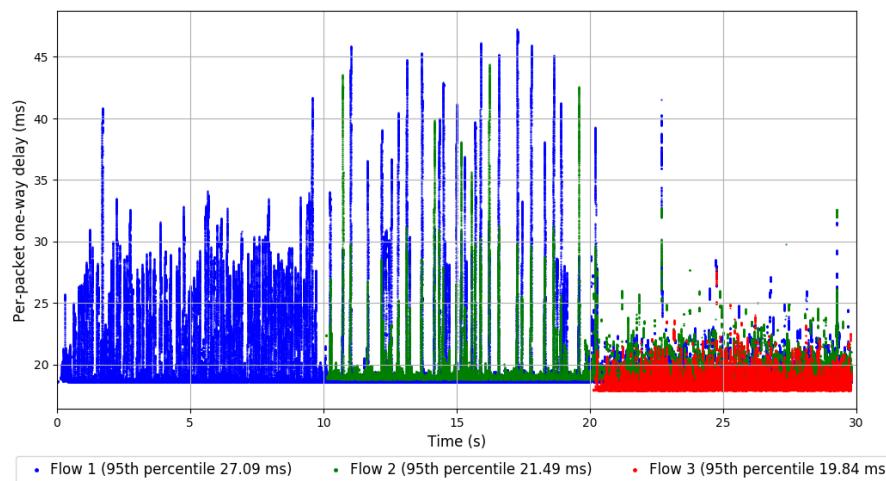
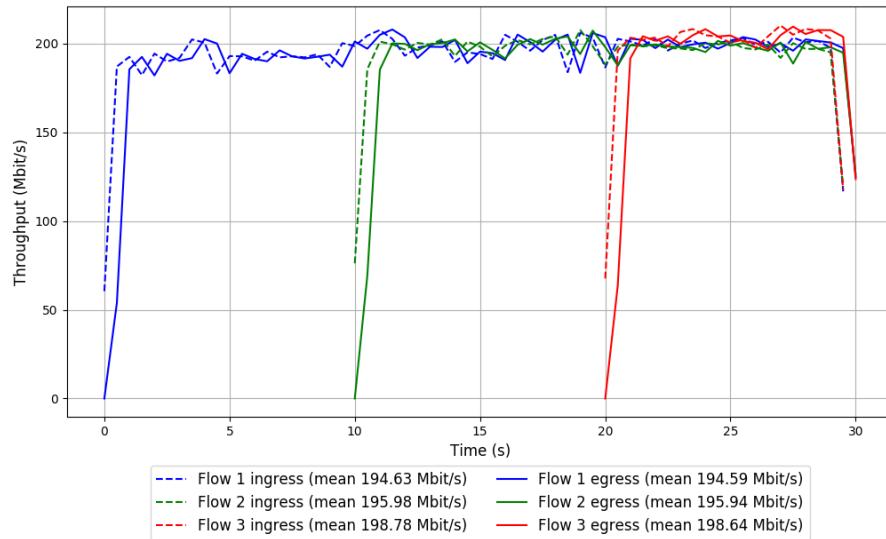


Run 1: Statistics of Indigo

```
Start at: 2018-05-30 15:58:44
End at: 2018-05-30 15:59:14
Local clock offset: 0.095 ms
Remote clock offset: -0.542 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 388.69 Mbit/s
95th percentile per-packet one-way delay: 25.314 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 194.59 Mbit/s
95th percentile per-packet one-way delay: 27.094 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 21.490 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 19.835 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo — Data Link

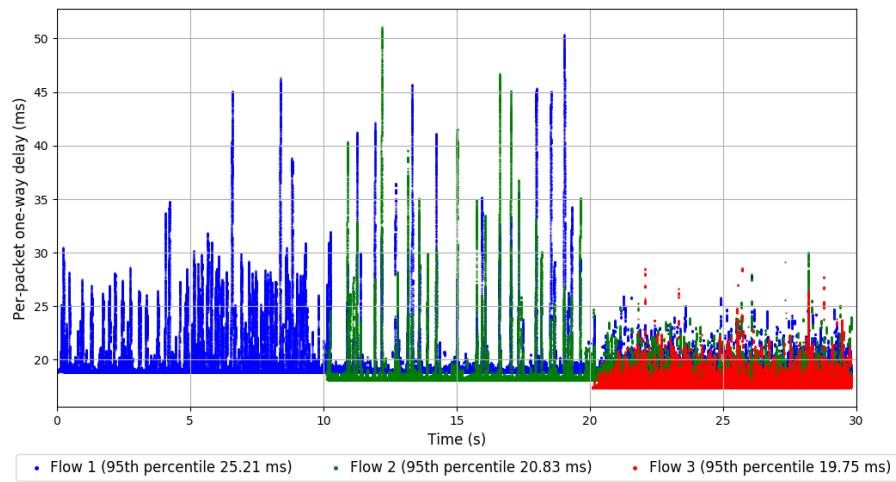
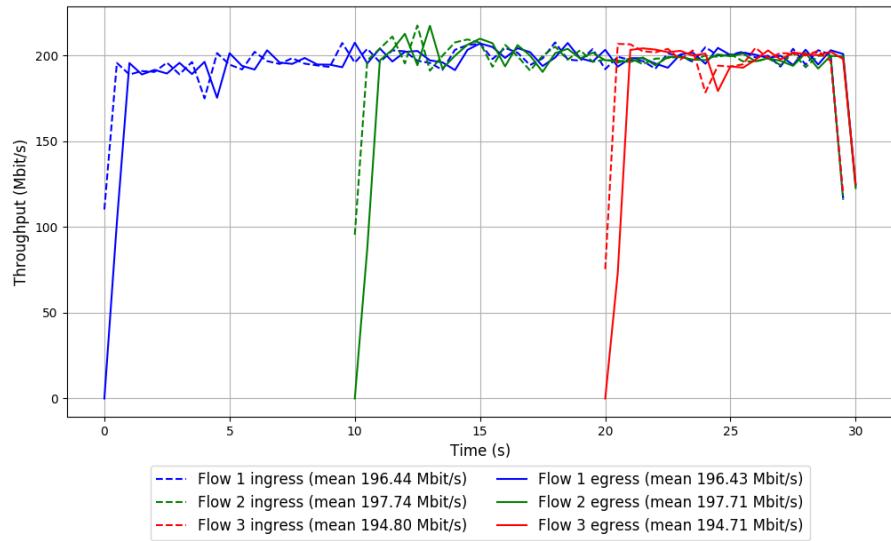


Run 2: Statistics of Indigo

```
Start at: 2018-05-30 16:24:03
End at: 2018-05-30 16:24:33
Local clock offset: 0.006 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.92 Mbit/s
95th percentile per-packet one-way delay: 23.151 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 196.43 Mbit/s
95th percentile per-packet one-way delay: 25.209 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 197.71 Mbit/s
95th percentile per-packet one-way delay: 20.830 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 194.71 Mbit/s
95th percentile per-packet one-way delay: 19.752 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo — Data Link

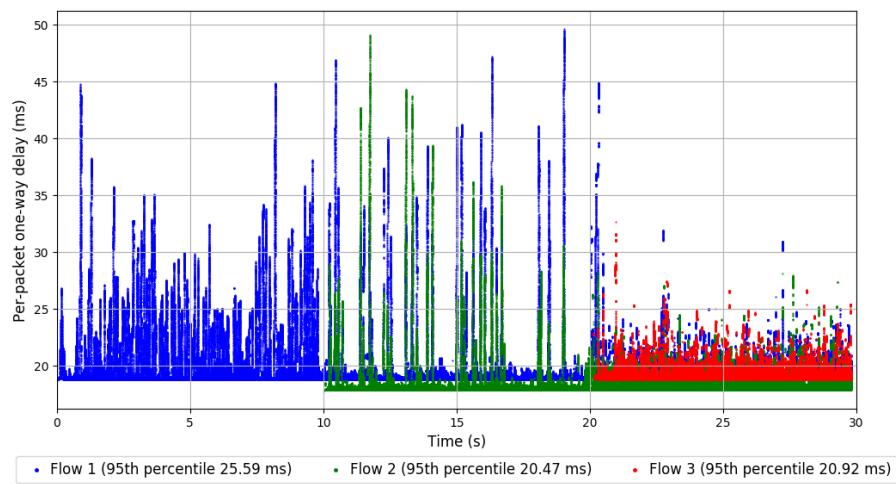
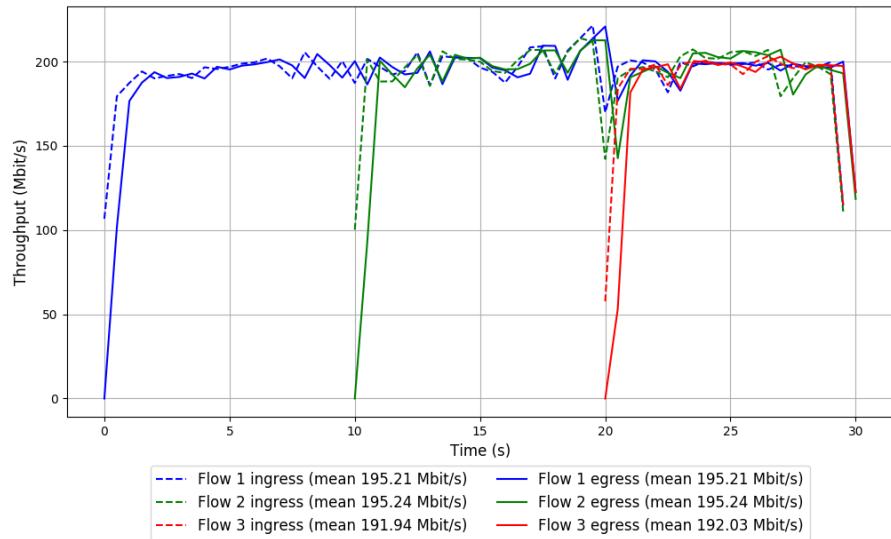


Run 3: Statistics of Indigo

```
Start at: 2018-05-30 16:49:54
End at: 2018-05-30 16:50:24
Local clock offset: 0.152 ms
Remote clock offset: 0.686 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.94 Mbit/s
95th percentile per-packet one-way delay: 23.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.21 Mbit/s
95th percentile per-packet one-way delay: 25.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.24 Mbit/s
95th percentile per-packet one-way delay: 20.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.03 Mbit/s
95th percentile per-packet one-way delay: 20.921 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

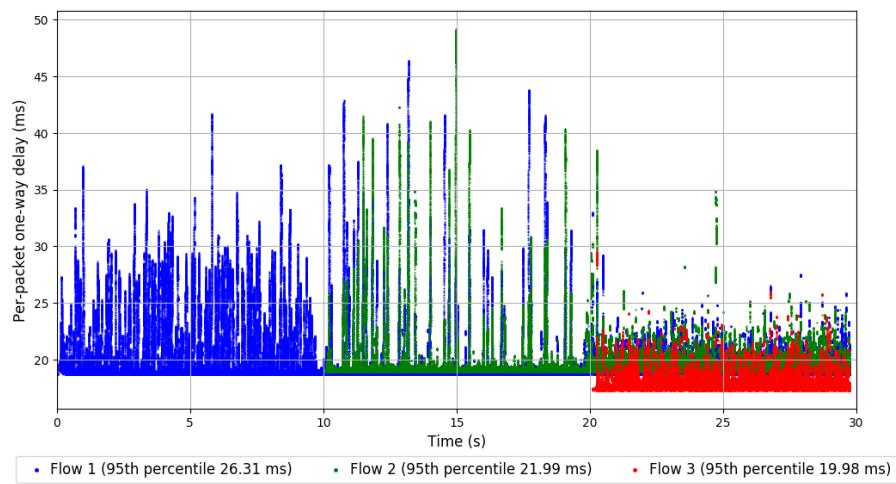
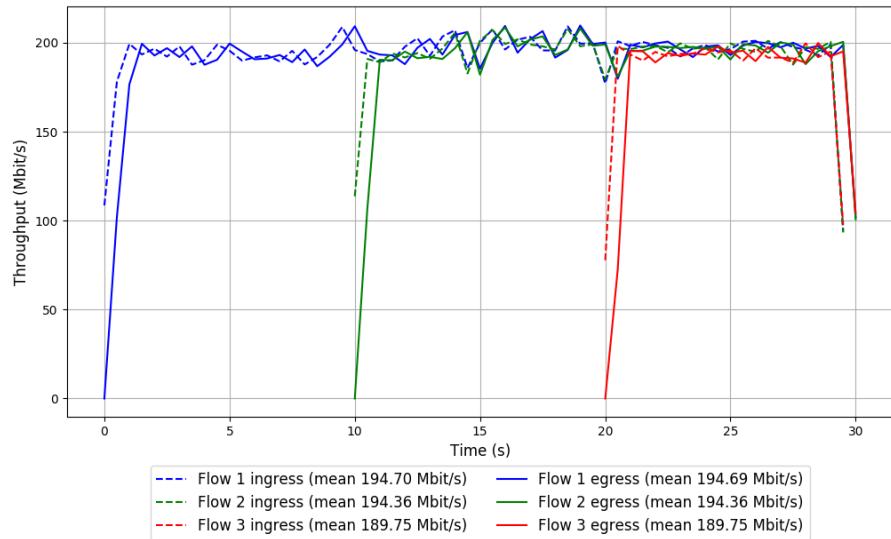


Run 4: Statistics of Indigo

```
Start at: 2018-05-30 17:15:36
End at: 2018-05-30 17:16:06
Local clock offset: 0.4 ms
Remote clock offset: 0.333 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.22 Mbit/s
95th percentile per-packet one-way delay: 23.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.69 Mbit/s
95th percentile per-packet one-way delay: 26.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.36 Mbit/s
95th percentile per-packet one-way delay: 21.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.75 Mbit/s
95th percentile per-packet one-way delay: 19.982 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

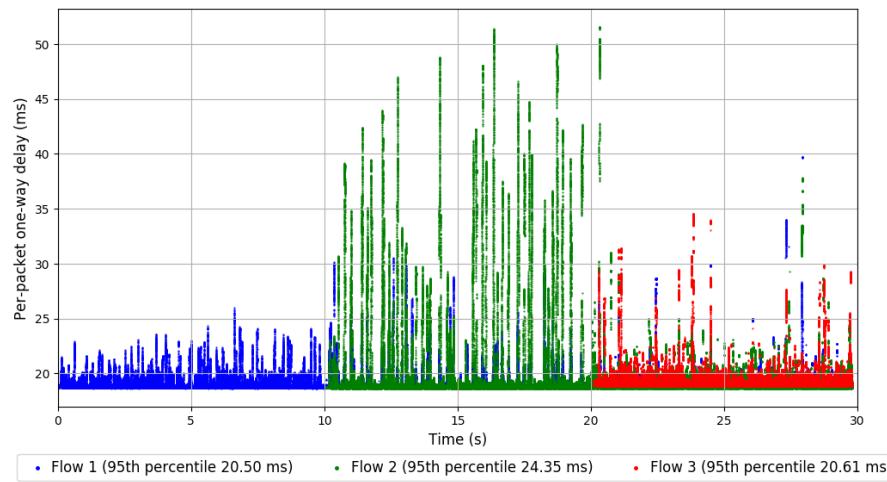
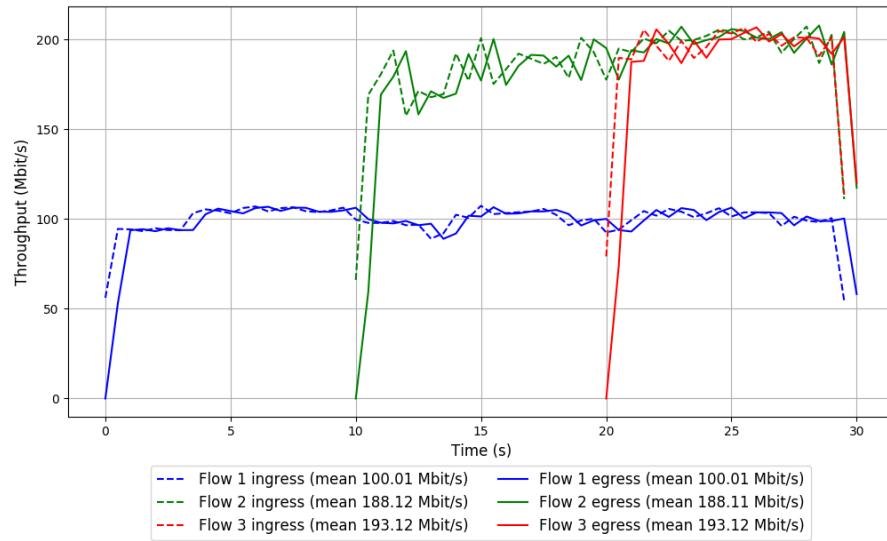


Run 5: Statistics of Indigo

```
Start at: 2018-05-30 17:41:10
End at: 2018-05-30 17:41:40
Local clock offset: -0.099 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.52 Mbit/s
95th percentile per-packet one-way delay: 21.475 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 100.01 Mbit/s
95th percentile per-packet one-way delay: 20.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.11 Mbit/s
95th percentile per-packet one-way delay: 24.346 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.12 Mbit/s
95th percentile per-packet one-way delay: 20.608 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

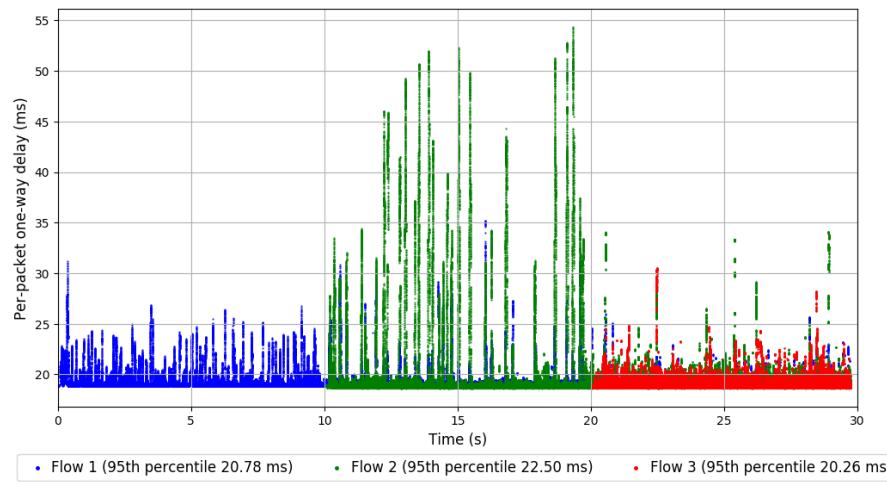
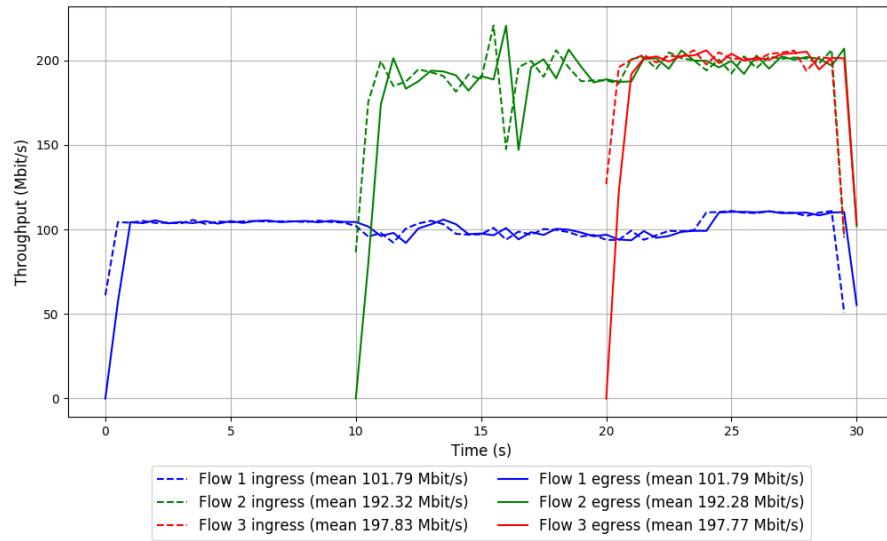


Run 6: Statistics of Indigo

```
Start at: 2018-05-30 18:06:35
End at: 2018-05-30 18:07:05
Local clock offset: 0.034 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.73 Mbit/s
95th percentile per-packet one-way delay: 20.901 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 101.79 Mbit/s
95th percentile per-packet one-way delay: 20.784 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 22.501 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 197.77 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.03%
```

Run 6: Report of Indigo — Data Link

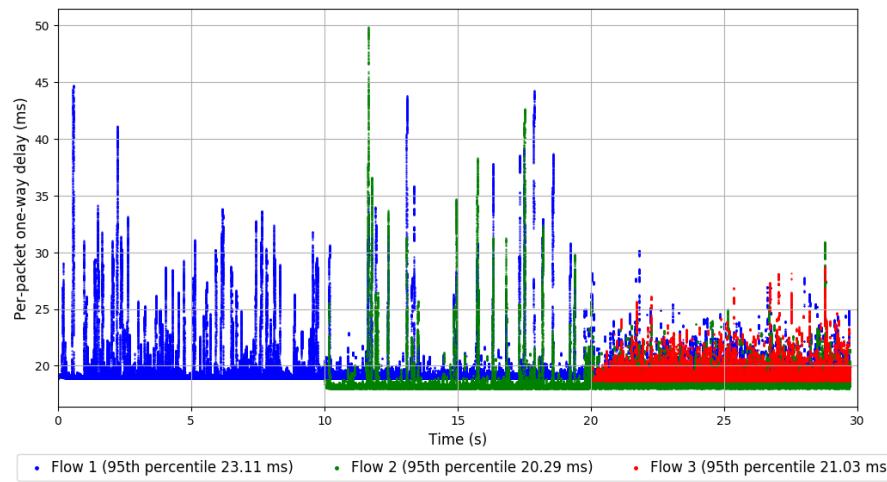
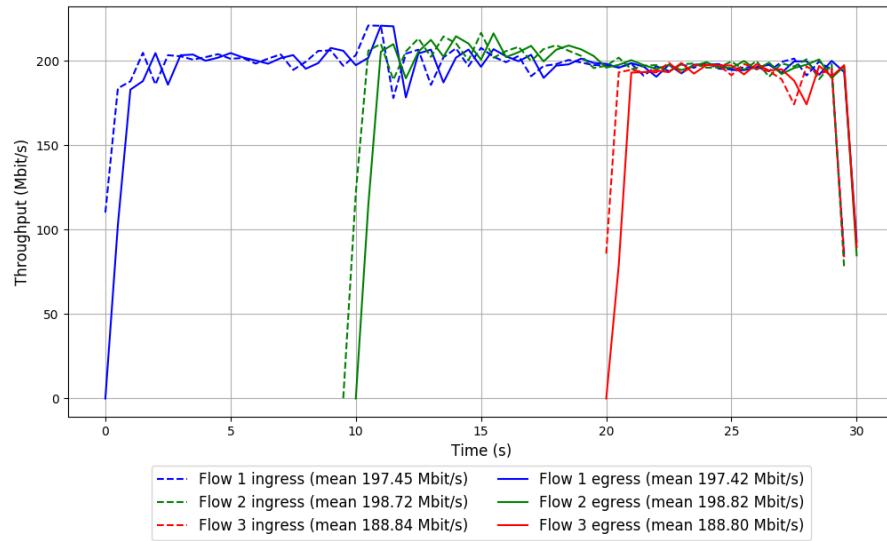


Run 7: Statistics of Indigo

```
Start at: 2018-05-30 18:32:14
End at: 2018-05-30 18:32:44
Local clock offset: 0.254 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.89 Mbit/s
95th percentile per-packet one-way delay: 21.594 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 197.42 Mbit/s
95th percentile per-packet one-way delay: 23.113 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 198.82 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 188.80 Mbit/s
95th percentile per-packet one-way delay: 21.033 ms
Loss rate: 0.03%
```

Run 7: Report of Indigo — Data Link

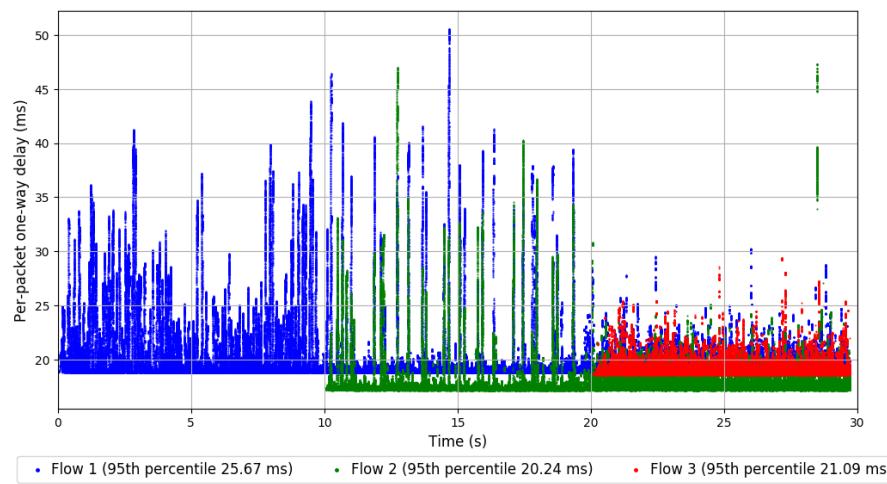
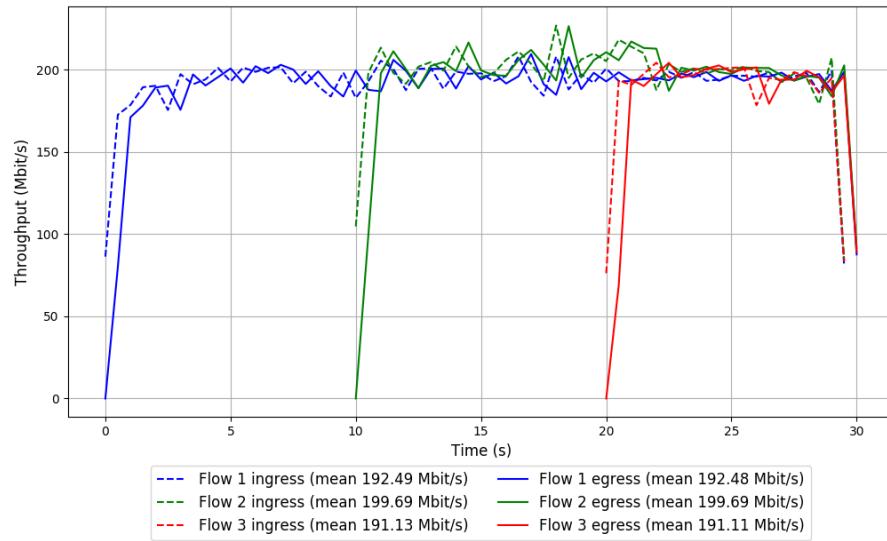


Run 8: Statistics of Indigo

```
Start at: 2018-05-30 18:57:51
End at: 2018-05-30 18:58:21
Local clock offset: 0.026 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.71 Mbit/s
95th percentile per-packet one-way delay: 22.941 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 192.48 Mbit/s
95th percentile per-packet one-way delay: 25.673 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 199.69 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 191.11 Mbit/s
95th percentile per-packet one-way delay: 21.091 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

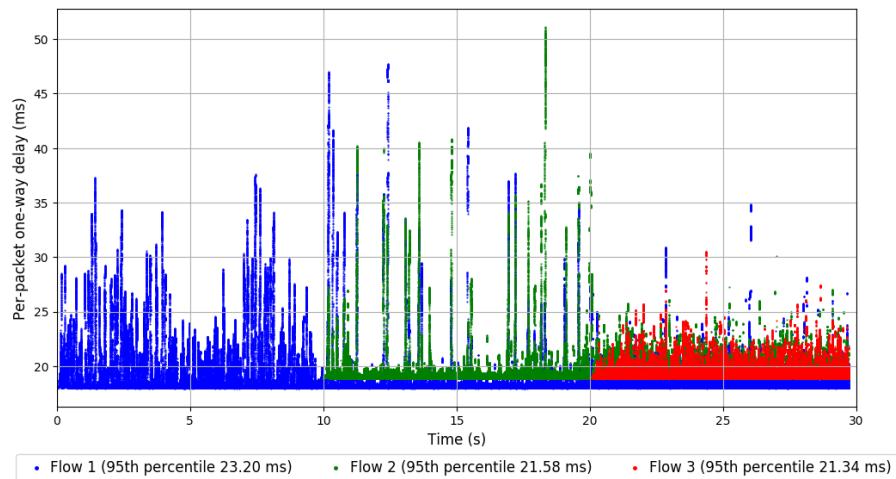
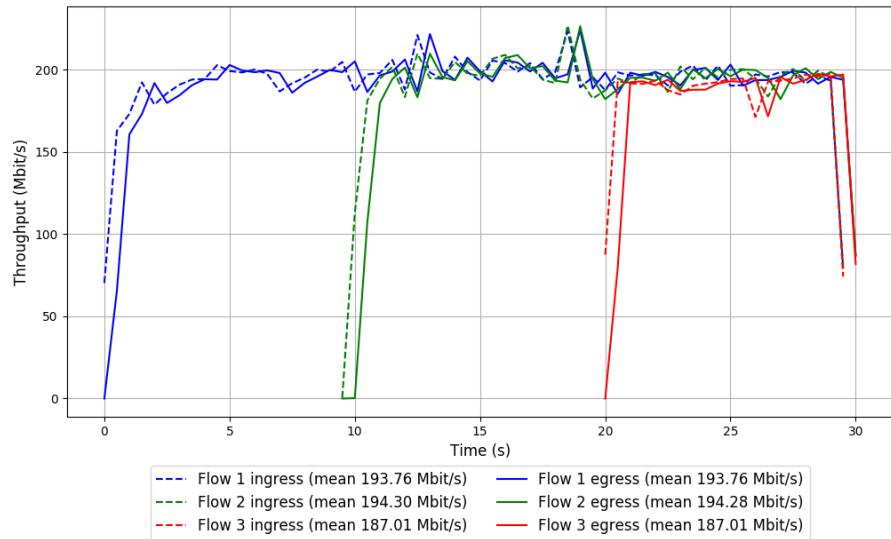


Run 9: Statistics of Indigo

```
Start at: 2018-05-30 19:23:24
End at: 2018-05-30 19:23:54
Local clock offset: -0.836 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 383.51 Mbit/s
95th percentile per-packet one-way delay: 22.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.76 Mbit/s
95th percentile per-packet one-way delay: 23.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.28 Mbit/s
95th percentile per-packet one-way delay: 21.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 21.336 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

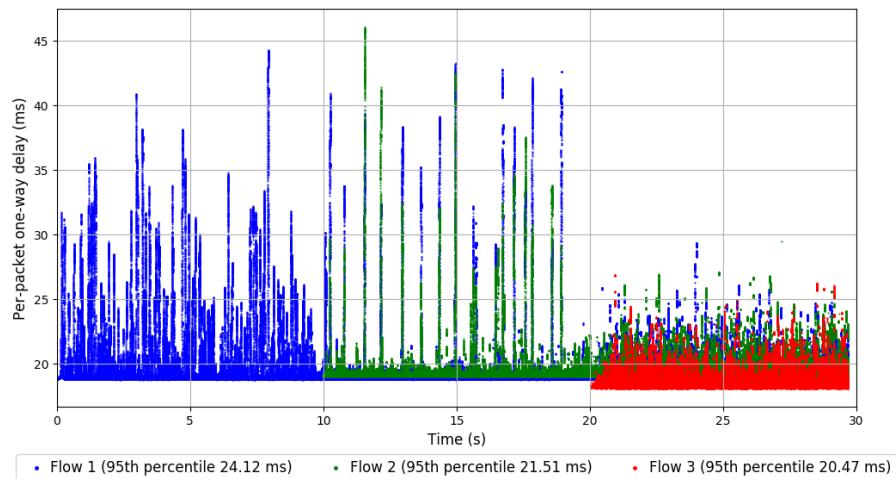
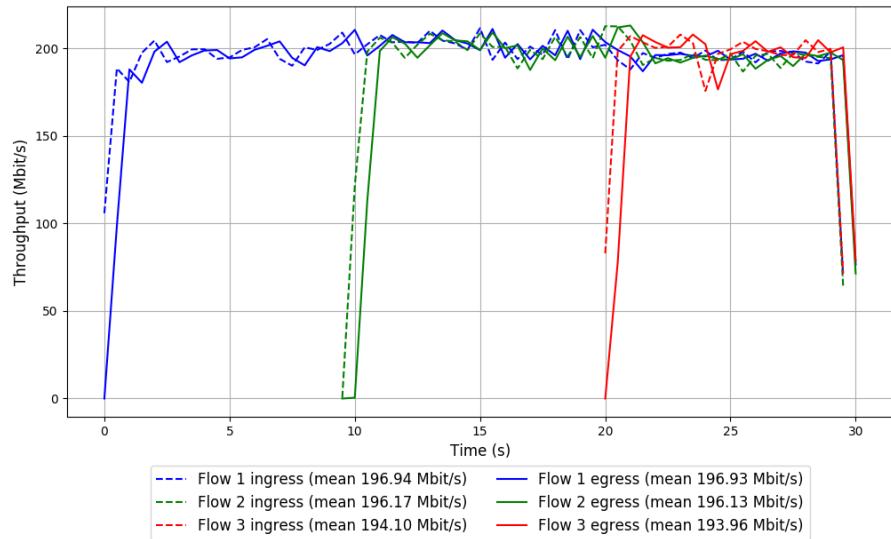


Run 10: Statistics of Indigo

```
Start at: 2018-05-30 19:48:56
End at: 2018-05-30 19:49:26
Local clock offset: -1.479 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.27 Mbit/s
95th percentile per-packet one-way delay: 22.339 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 196.93 Mbit/s
95th percentile per-packet one-way delay: 24.116 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 196.13 Mbit/s
95th percentile per-packet one-way delay: 21.511 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 193.96 Mbit/s
95th percentile per-packet one-way delay: 20.470 ms
Loss rate: 0.06%
```

Run 10: Report of Indigo — Data Link

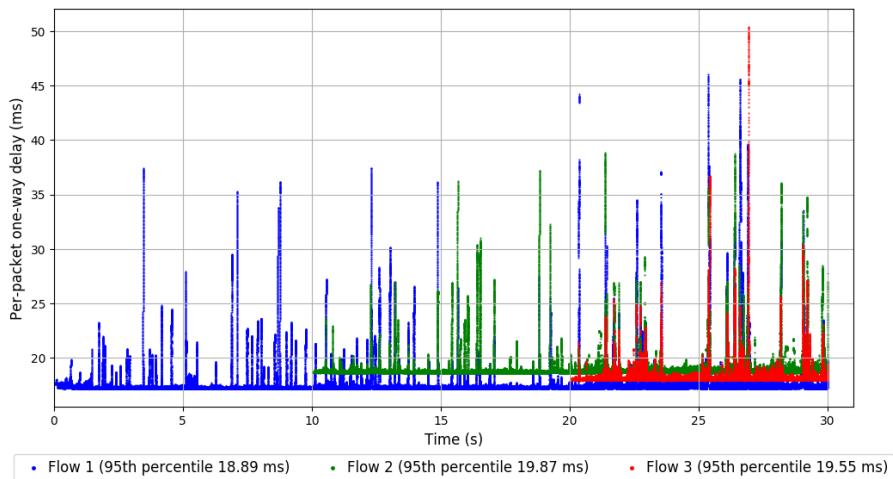
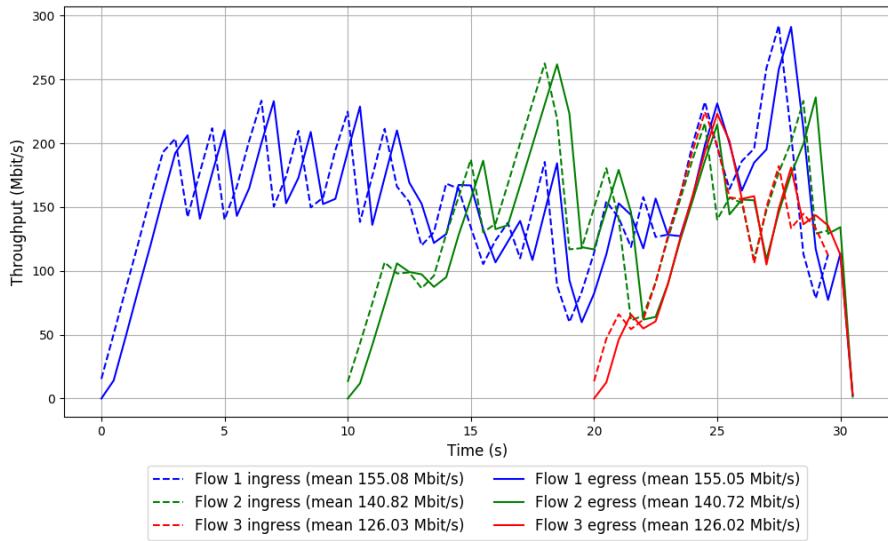


Run 1: Statistics of LEDBAT

```
Start at: 2018-05-30 15:55:49
End at: 2018-05-30 15:56:19
Local clock offset: 0.111 ms
Remote clock offset: -0.475 ms

# Below is generated by plot.py at 2018-05-30 21:17:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.70 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 155.05 Mbit/s
95th percentile per-packet one-way delay: 18.888 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 140.72 Mbit/s
95th percentile per-packet one-way delay: 19.871 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 126.02 Mbit/s
95th percentile per-packet one-way delay: 19.547 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

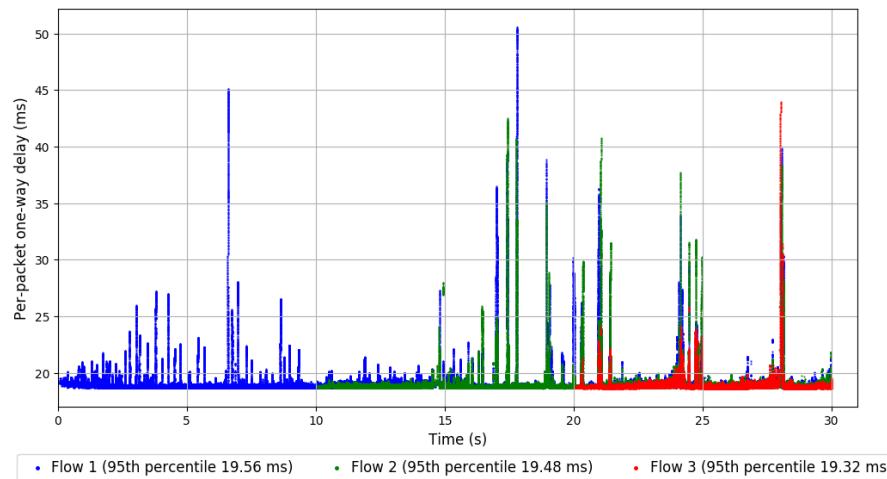
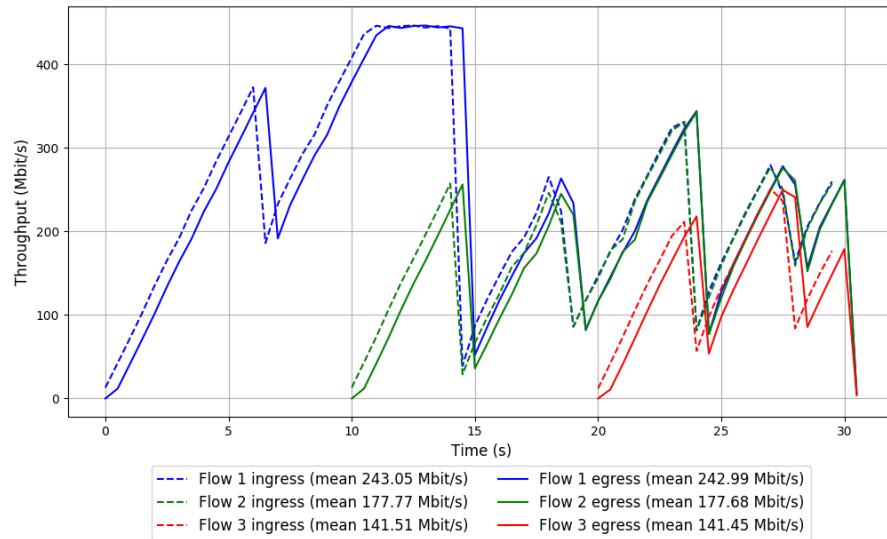


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-30 16:21:01
End at: 2018-05-30 16:21:31
Local clock offset: -0.011 ms
Remote clock offset: -0.32 ms

# Below is generated by plot.py at 2018-05-30 21:18:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.38 Mbit/s
95th percentile per-packet one-way delay: 19.497 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 242.99 Mbit/s
95th percentile per-packet one-way delay: 19.563 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 141.45 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.04%
```

Run 2: Report of LEDBAT — Data Link

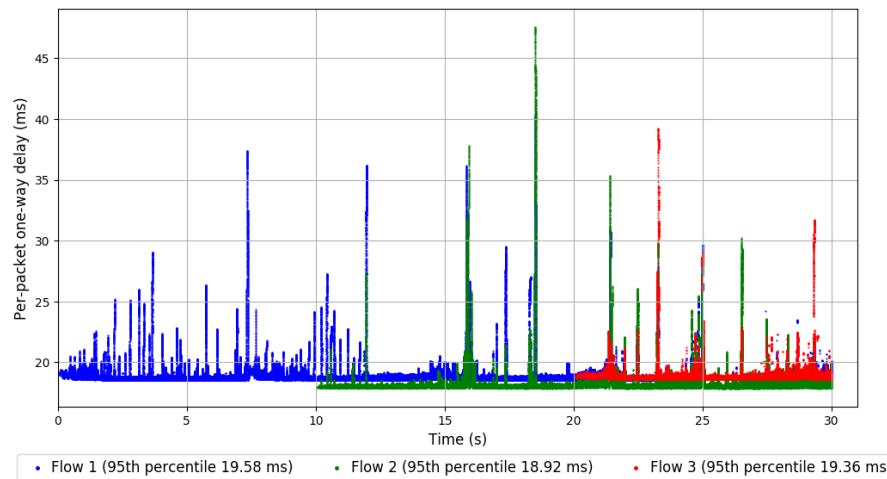
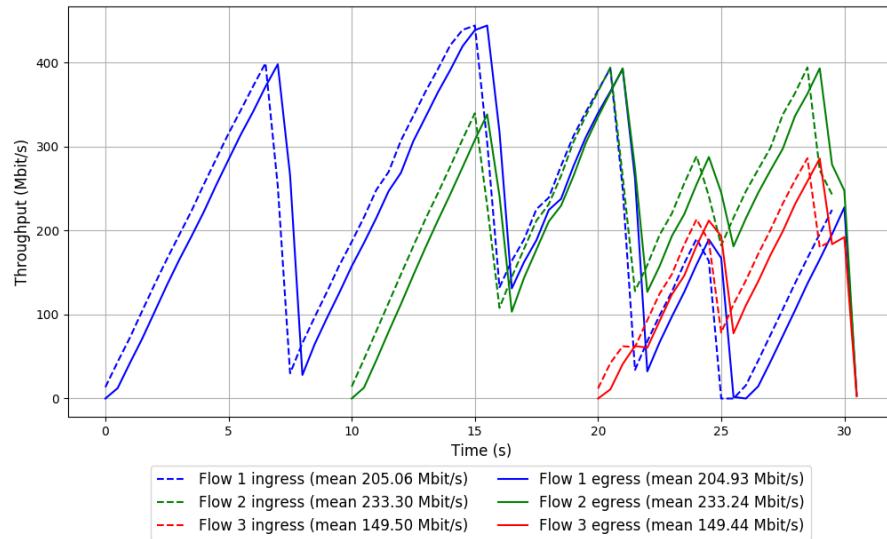


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-30 16:46:50
End at: 2018-05-30 16:47:20
Local clock offset: 0.167 ms
Remote clock offset: 0.604 ms

# Below is generated by plot.py at 2018-05-30 21:18:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.99 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 204.93 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 233.24 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 149.44 Mbit/s
95th percentile per-packet one-way delay: 19.356 ms
Loss rate: 0.05%
```

Run 3: Report of LEDBAT — Data Link

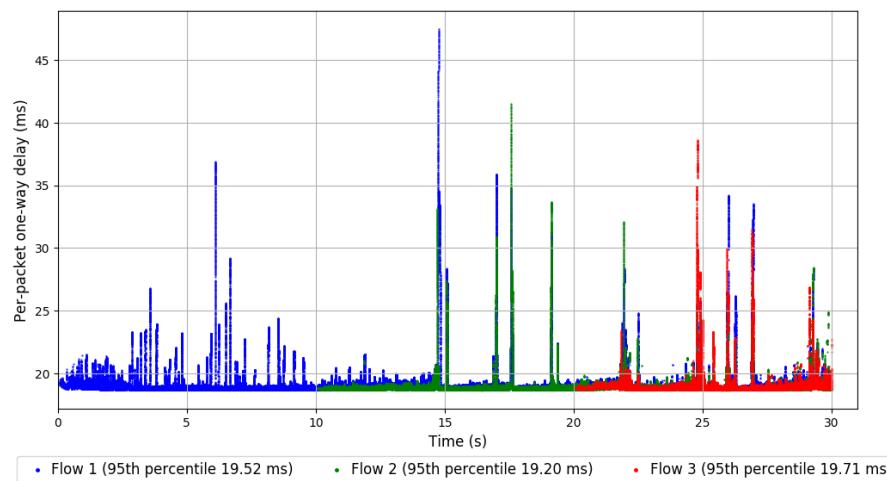
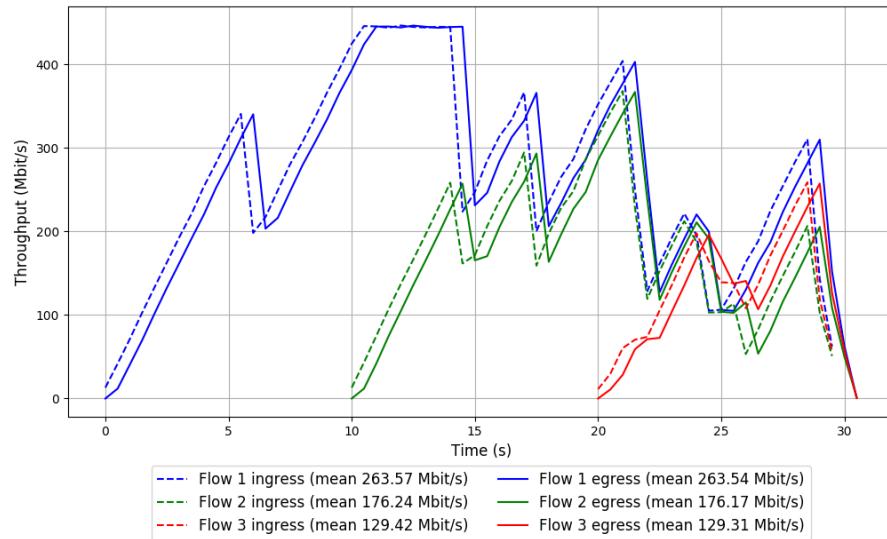


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-30 17:12:30
End at: 2018-05-30 17:13:00
Local clock offset: 0.383 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2018-05-30 21:19:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.85 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 263.54 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 129.31 Mbit/s
95th percentile per-packet one-way delay: 19.709 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

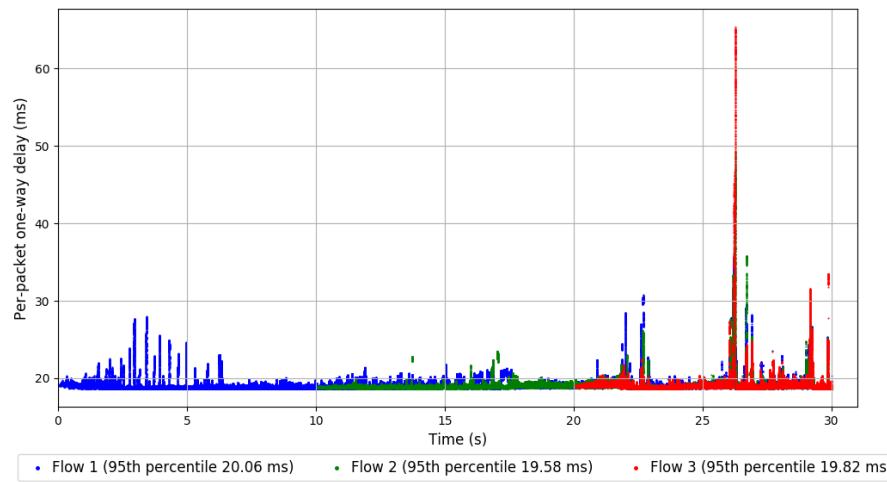
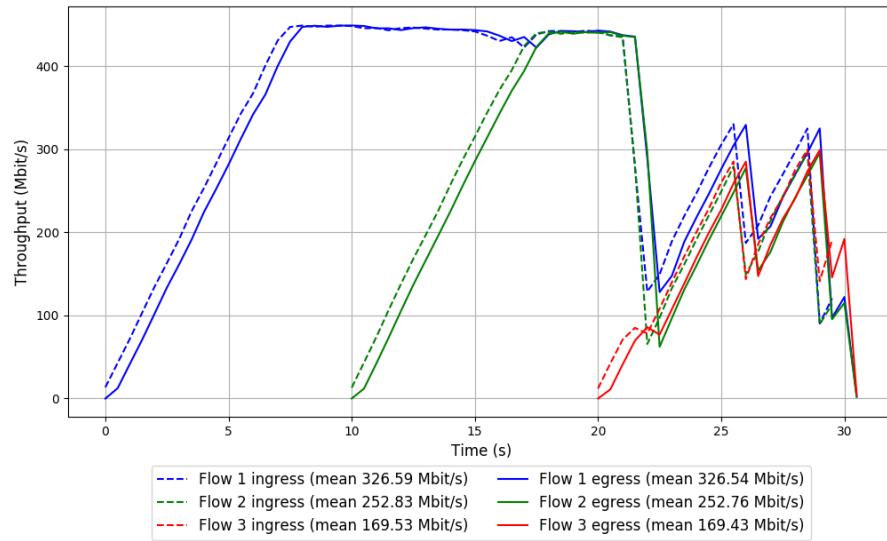


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-30 17:37:59
End at: 2018-05-30 17:38:29
Local clock offset: -0.049 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-05-30 21:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 551.21 Mbit/s
95th percentile per-packet one-way delay: 19.889 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 326.54 Mbit/s
95th percentile per-packet one-way delay: 20.060 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 252.76 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 169.43 Mbit/s
95th percentile per-packet one-way delay: 19.816 ms
Loss rate: 0.05%
```

Run 5: Report of LEDBAT — Data Link

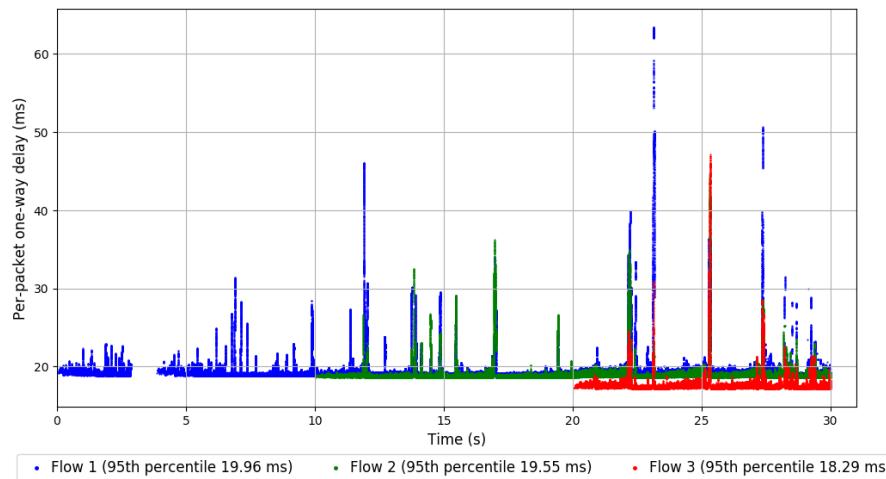
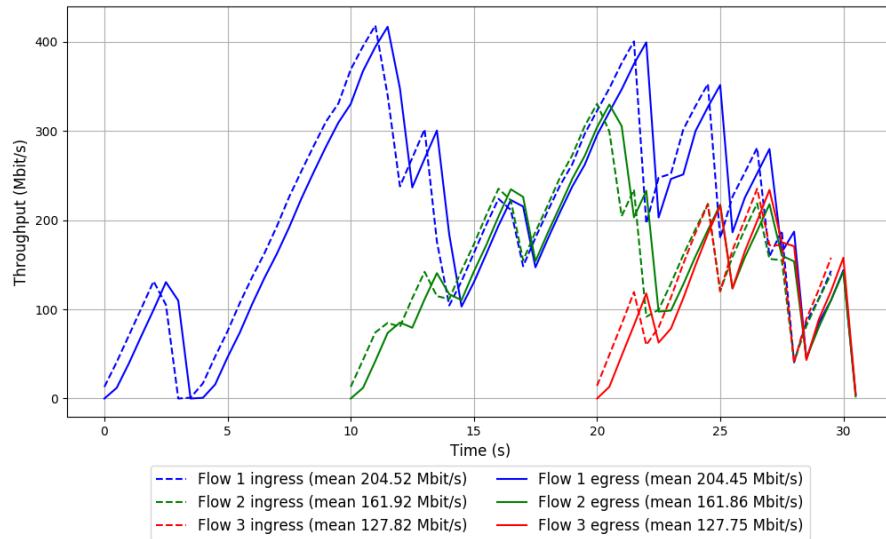


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-30 18:03:37
End at: 2018-05-30 18:04:07
Local clock offset: 0.016 ms
Remote clock offset: -0.309 ms

# Below is generated by plot.py at 2018-05-30 21:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.71 Mbit/s
95th percentile per-packet one-way delay: 19.763 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 204.45 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 161.86 Mbit/s
95th percentile per-packet one-way delay: 19.546 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 127.75 Mbit/s
95th percentile per-packet one-way delay: 18.294 ms
Loss rate: 0.06%
```

Run 6: Report of LEDBAT — Data Link

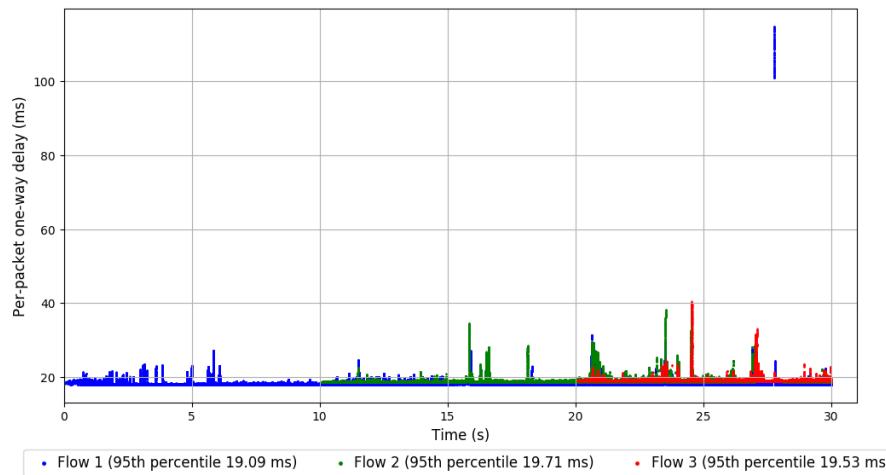
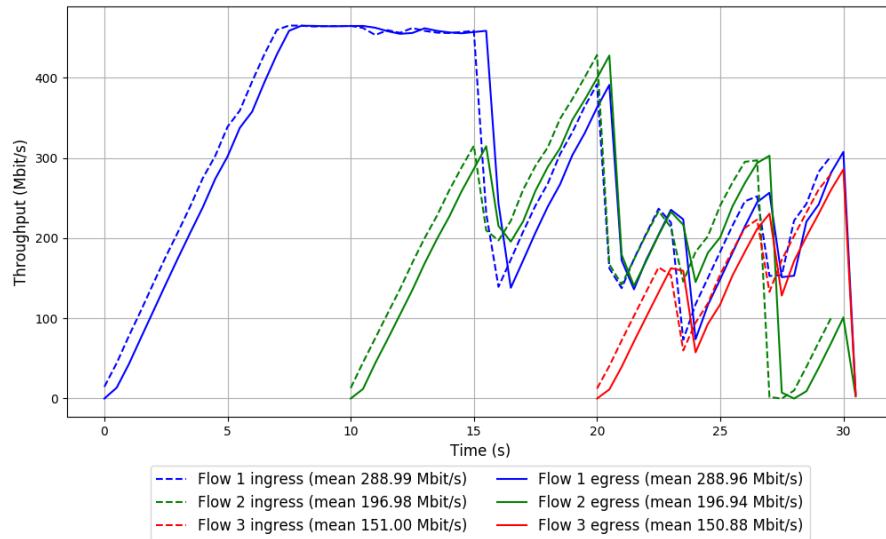


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-30 18:29:09
End at: 2018-05-30 18:29:39
Local clock offset: 0.192 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-05-30 21:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.29 Mbit/s
95th percentile per-packet one-way delay: 19.388 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 288.96 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 196.94 Mbit/s
95th percentile per-packet one-way delay: 19.715 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 150.88 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.08%
```

Run 7: Report of LEDBAT — Data Link

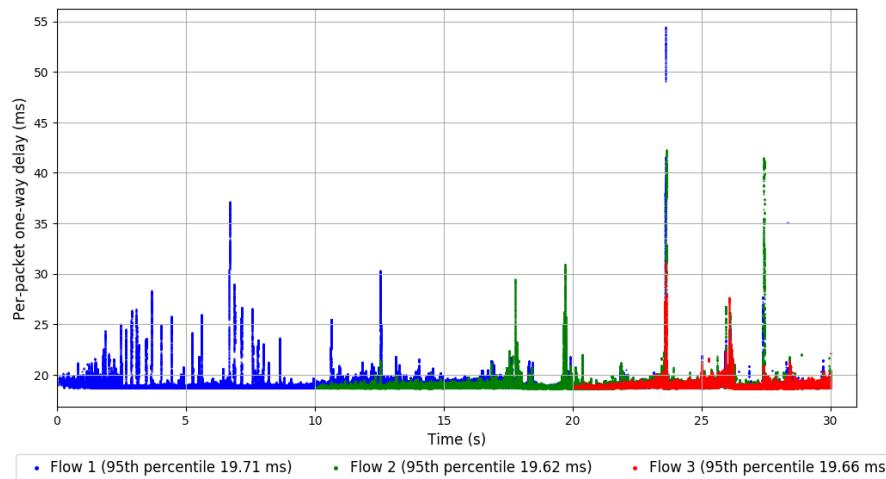
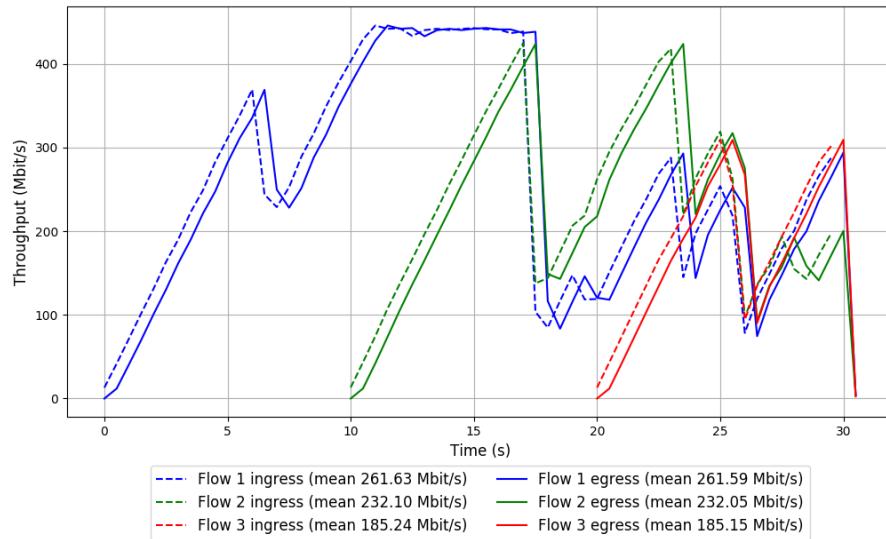


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-30 18:54:46
End at: 2018-05-30 18:55:16
Local clock offset: 0.105 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-30 21:21:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 477.68 Mbit/s
95th percentile per-packet one-way delay: 19.675 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 261.59 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 232.05 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 185.15 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.05%
```

Run 8: Report of LEDBAT — Data Link

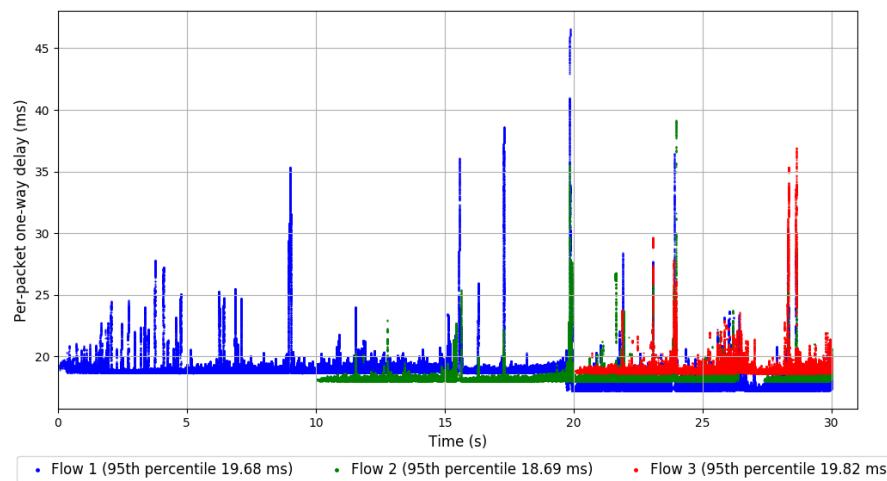
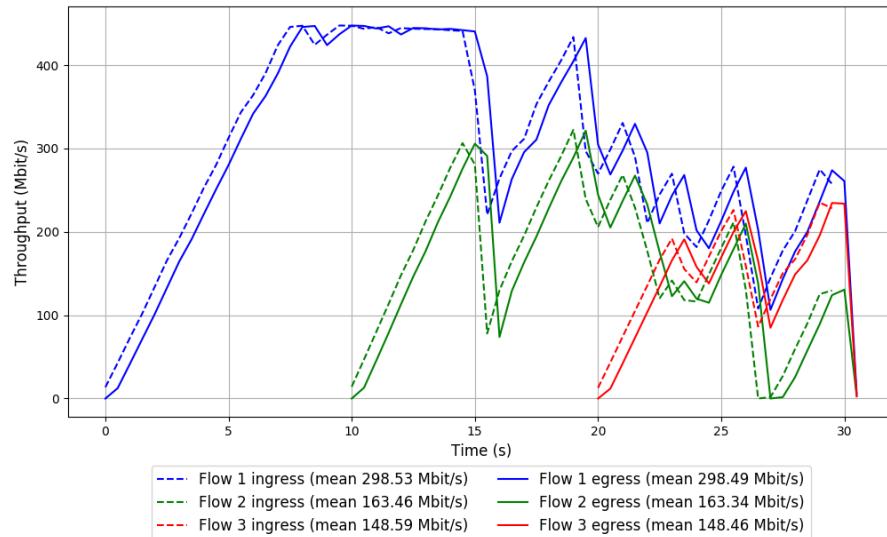


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-30 19:20:17
End at: 2018-05-30 19:20:47
Local clock offset: -0.766 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-05-30 21:23:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.63 Mbit/s
95th percentile per-packet one-way delay: 19.541 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 298.49 Mbit/s
95th percentile per-packet one-way delay: 19.677 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 163.34 Mbit/s
95th percentile per-packet one-way delay: 18.694 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.08%
```

Run 9: Report of LEDBAT — Data Link

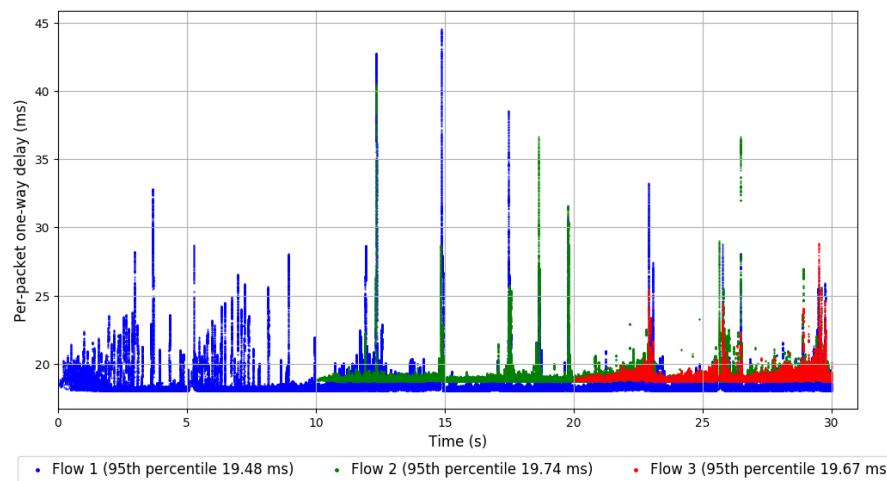
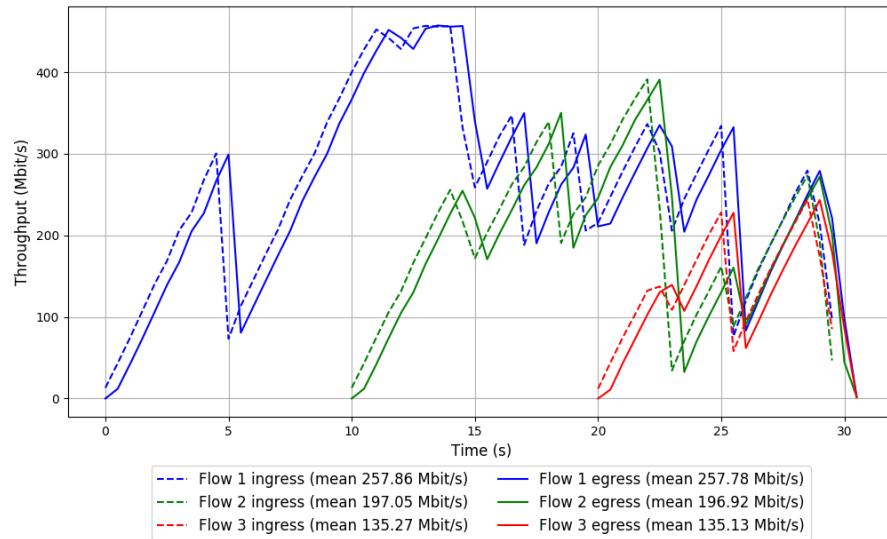


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-30 19:45:55
End at: 2018-05-30 19:46:25
Local clock offset: -1.407 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-05-30 21:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.86 Mbit/s
95th percentile per-packet one-way delay: 19.632 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 257.78 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 196.92 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 135.13 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.10%
```

Run 10: Report of LEDBAT — Data Link

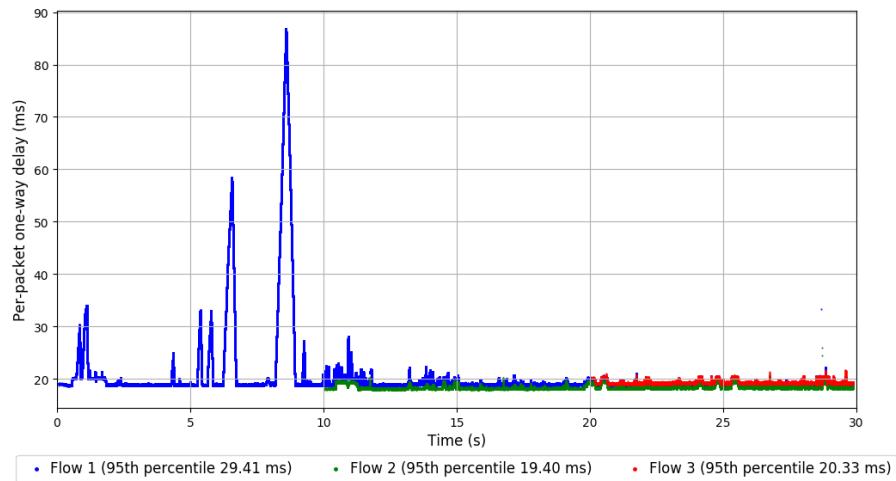
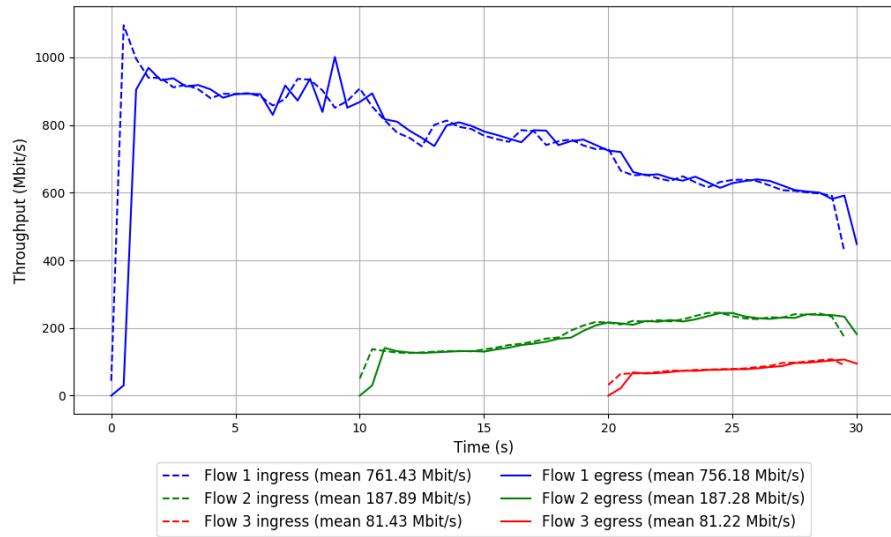


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-05-30 15:47:25
End at: 2018-05-30 15:47:55
Local clock offset: 0.107 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-05-30 21:30:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.52 Mbit/s
95th percentile per-packet one-way delay: 26.539 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 756.18 Mbit/s
95th percentile per-packet one-way delay: 29.415 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 187.28 Mbit/s
95th percentile per-packet one-way delay: 19.402 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 81.22 Mbit/s
95th percentile per-packet one-way delay: 20.328 ms
Loss rate: 0.28%
```

Run 1: Report of PCC-Allegro — Data Link

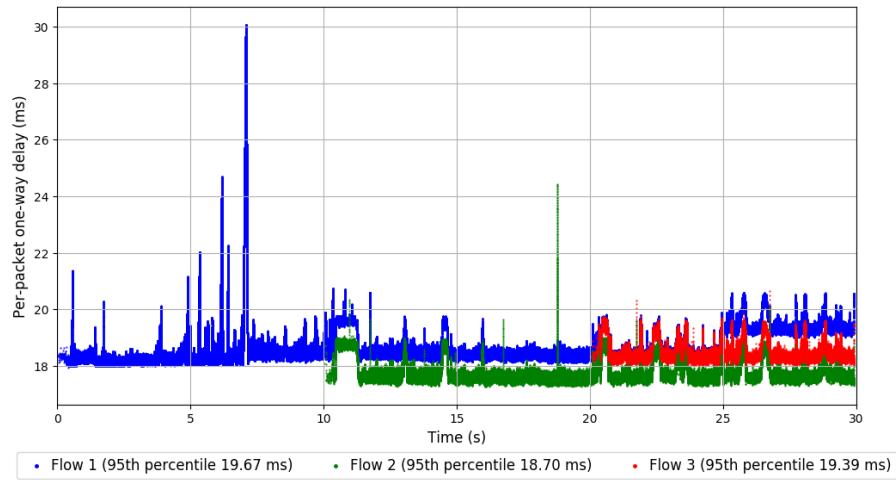
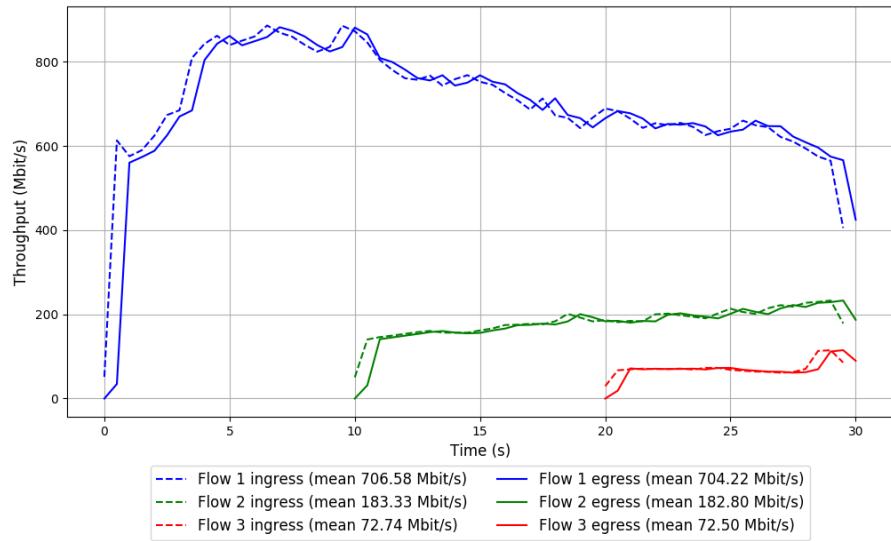


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-30 16:12:41
End at: 2018-05-30 16:13:11
Local clock offset: 0.078 ms
Remote clock offset: -0.43 ms

# Below is generated by plot.py at 2018-05-30 21:30:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 849.66 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 704.22 Mbit/s
95th percentile per-packet one-way delay: 19.670 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 18.700 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.32%
```

Run 2: Report of PCC-Allegro — Data Link

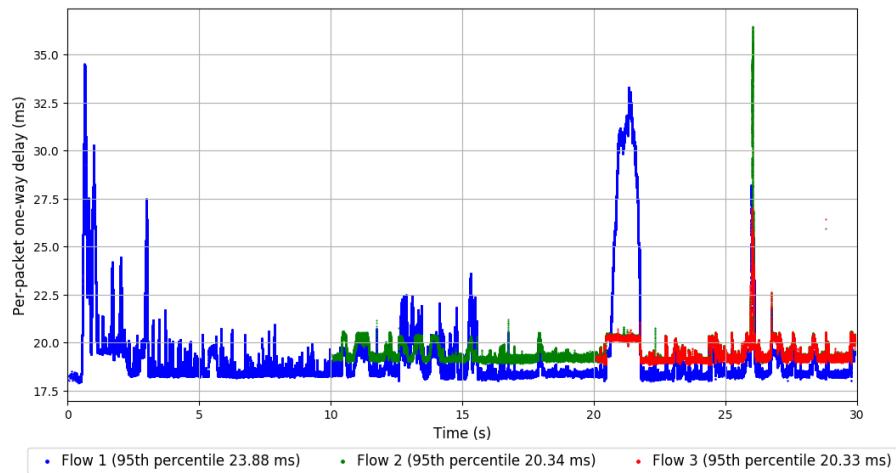
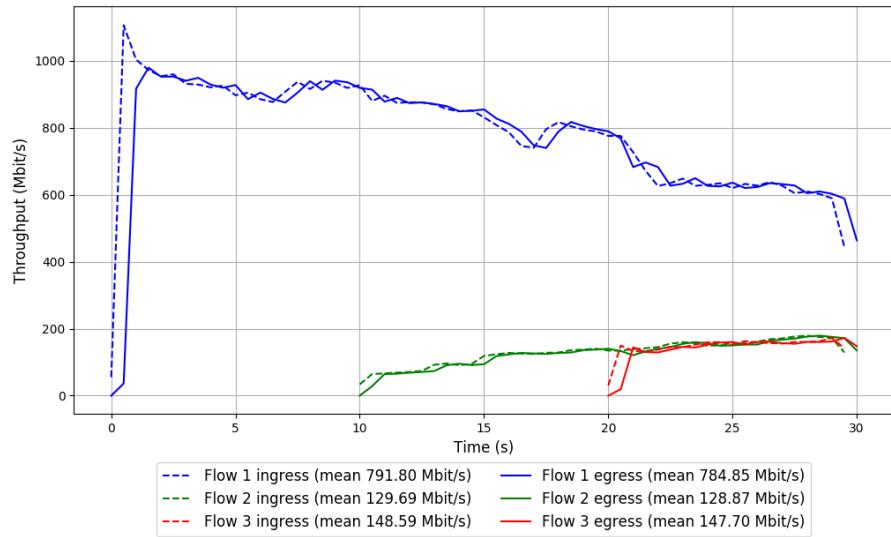


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-30 16:38:17
End at: 2018-05-30 16:38:47
Local clock offset: 0.093 ms
Remote clock offset: 0.383 ms

# Below is generated by plot.py at 2018-05-30 21:30:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 919.25 Mbit/s
95th percentile per-packet one-way delay: 22.858 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 784.85 Mbit/s
95th percentile per-packet one-way delay: 23.875 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 128.87 Mbit/s
95th percentile per-packet one-way delay: 20.338 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 147.70 Mbit/s
95th percentile per-packet one-way delay: 20.329 ms
Loss rate: 0.59%
```

Run 3: Report of PCC-Allegro — Data Link

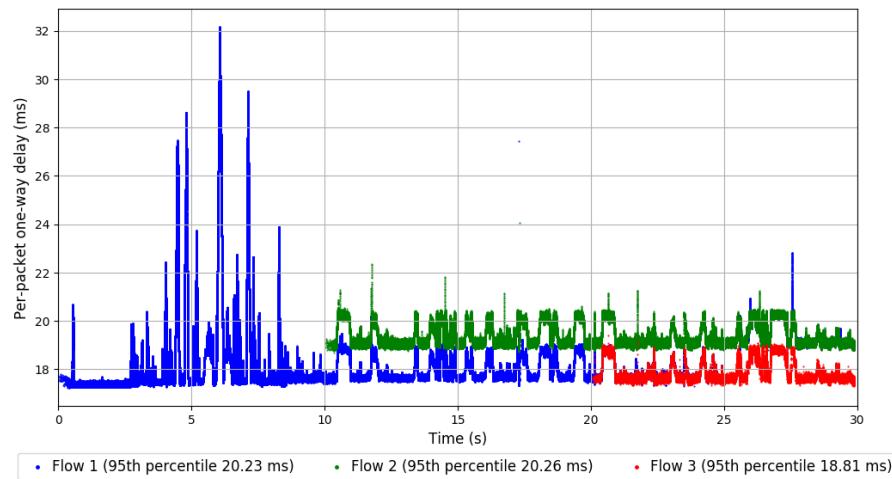
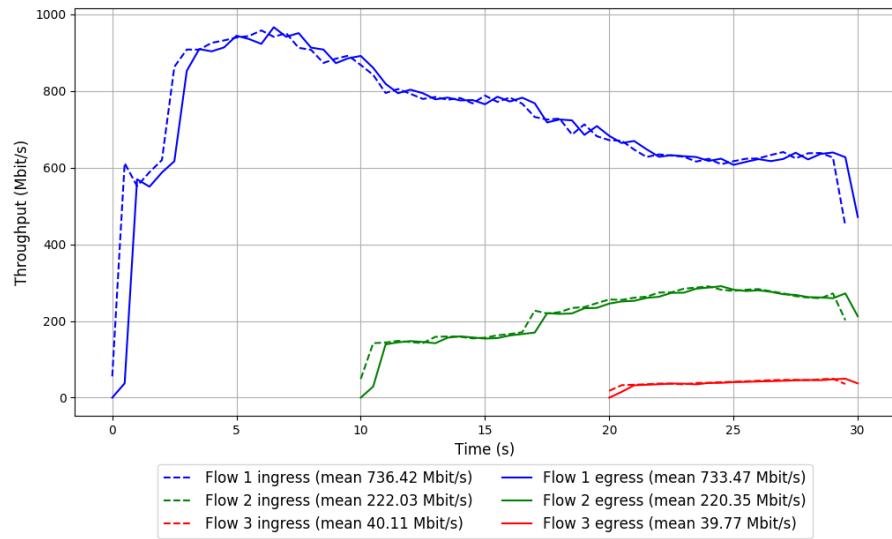


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-30 17:04:13
End at: 2018-05-30 17:04:43
Local clock offset: 0.336 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2018-05-30 21:31:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 893.10 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 733.47 Mbit/s
95th percentile per-packet one-way delay: 20.229 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 220.35 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 18.814 ms
Loss rate: 0.84%
```

Run 4: Report of PCC-Allegro — Data Link

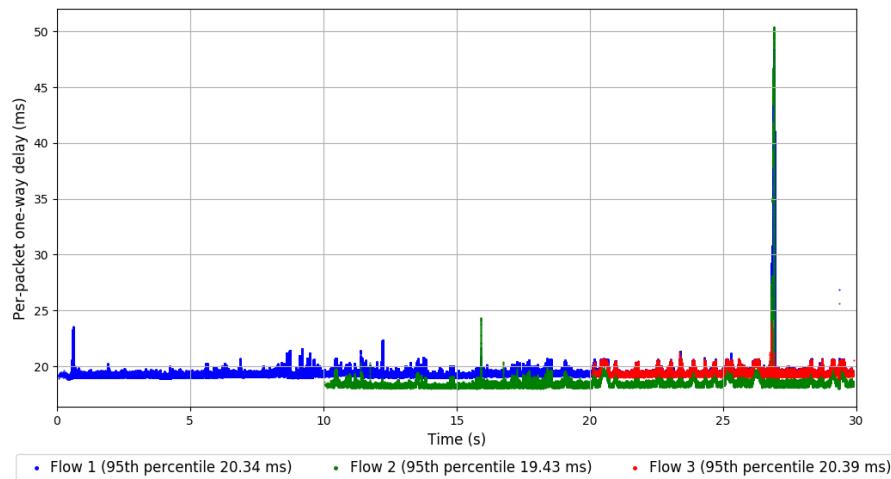
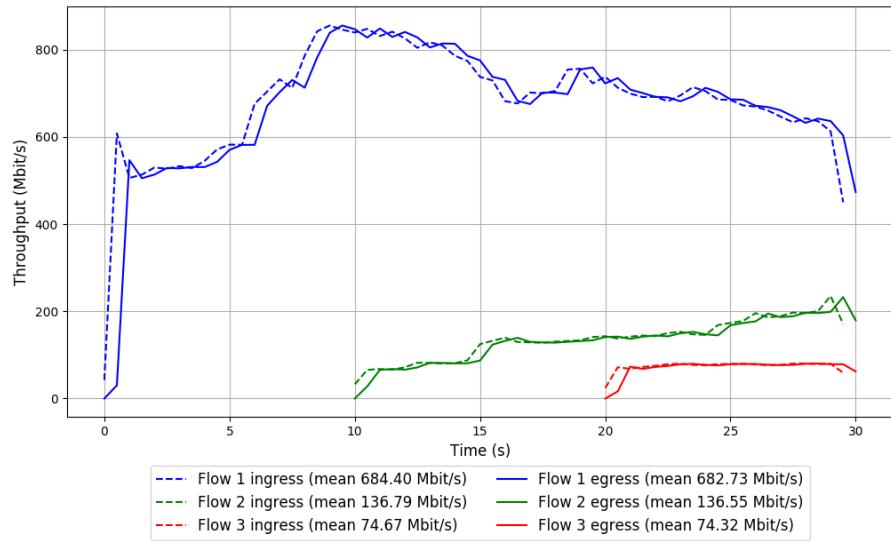


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-30 17:29:43
End at: 2018-05-30 17:30:13
Local clock offset: 0.087 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-05-30 21:31:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 798.00 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 682.73 Mbit/s
95th percentile per-packet one-way delay: 20.336 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 20.389 ms
Loss rate: 0.46%
```

Run 5: Report of PCC-Allegro — Data Link

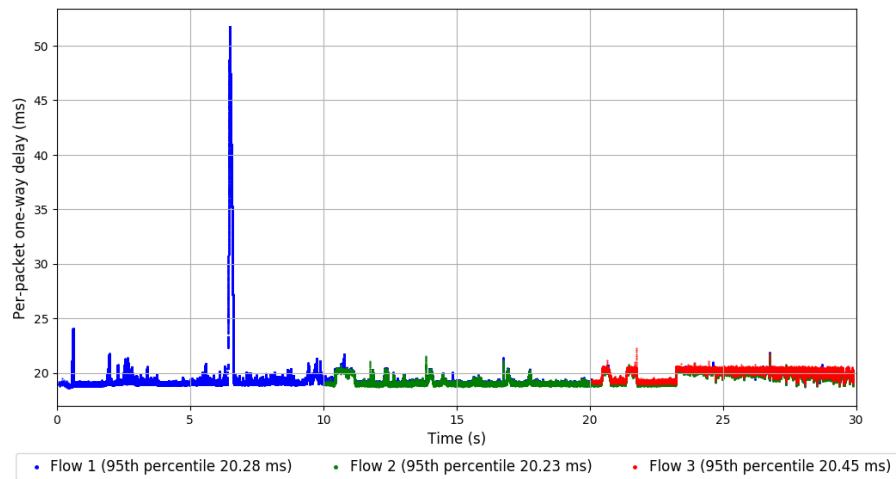
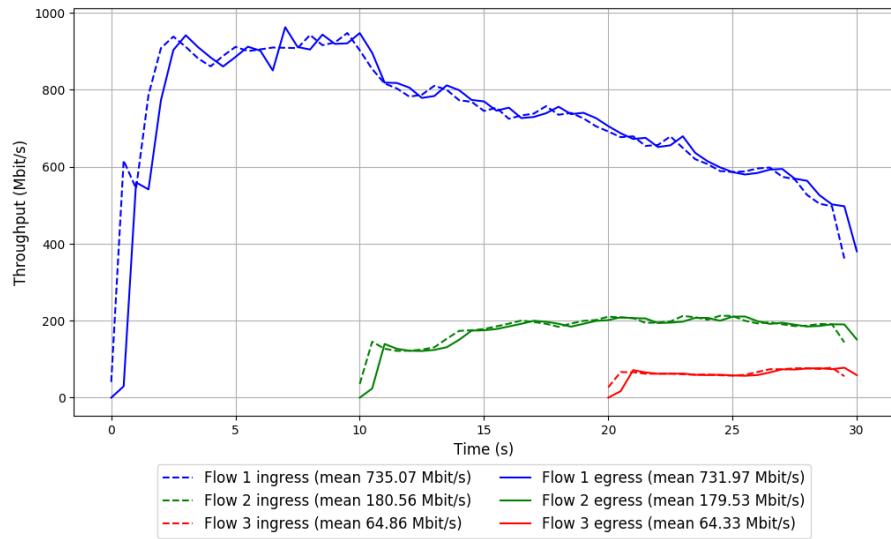


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-30 17:55:17
End at: 2018-05-30 17:55:47
Local clock offset: -0.18 ms
Remote clock offset: -0.362 ms

# Below is generated by plot.py at 2018-05-30 21:32:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 872.53 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 731.97 Mbit/s
95th percentile per-packet one-way delay: 20.277 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 179.53 Mbit/s
95th percentile per-packet one-way delay: 20.233 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 20.448 ms
Loss rate: 0.81%
```

Run 6: Report of PCC-Allegro — Data Link

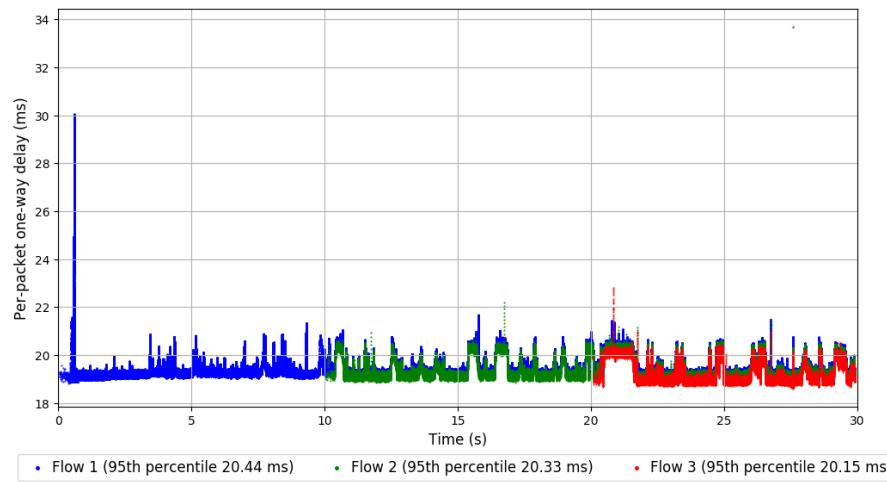
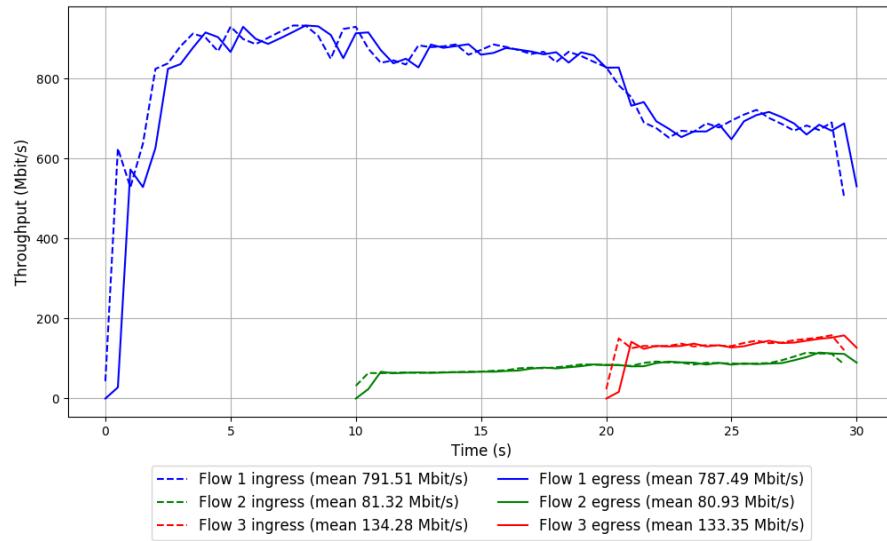


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-30 18:20:50
End at: 2018-05-30 18:21:20
Local clock offset: -0.048 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-05-30 21:34:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 885.25 Mbit/s
95th percentile per-packet one-way delay: 20.435 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 787.49 Mbit/s
95th percentile per-packet one-way delay: 20.444 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 20.333 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 133.35 Mbit/s
95th percentile per-packet one-way delay: 20.148 ms
Loss rate: 0.70%
```

Run 7: Report of PCC-Allegro — Data Link

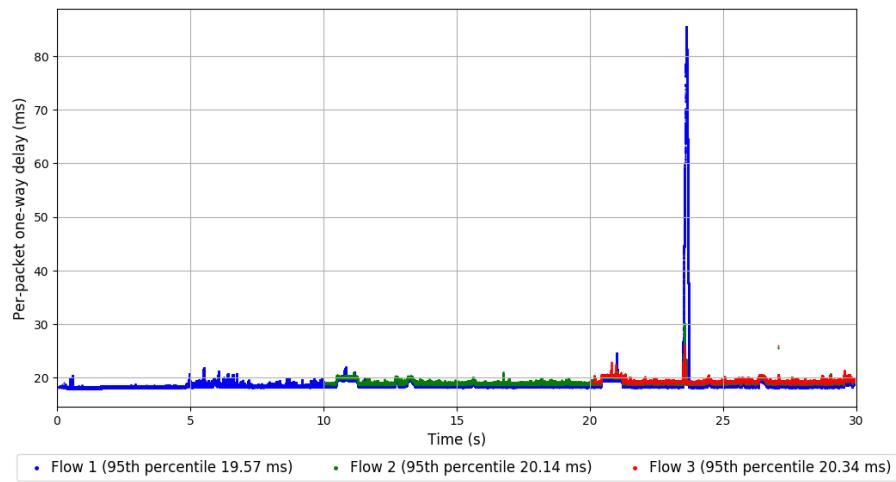
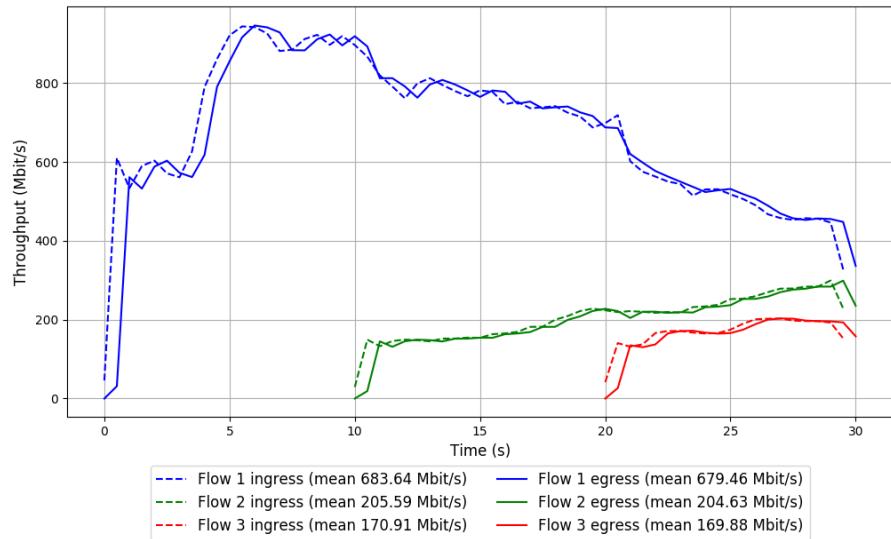


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-30 18:46:26
End at: 2018-05-30 18:46:56
Local clock offset: 0.367 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-30 21:34:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 871.47 Mbit/s
95th percentile per-packet one-way delay: 19.706 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 679.46 Mbit/s
95th percentile per-packet one-way delay: 19.574 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 204.63 Mbit/s
95th percentile per-packet one-way delay: 20.136 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 169.88 Mbit/s
95th percentile per-packet one-way delay: 20.337 ms
Loss rate: 0.60%
```

Run 8: Report of PCC-Allegro — Data Link

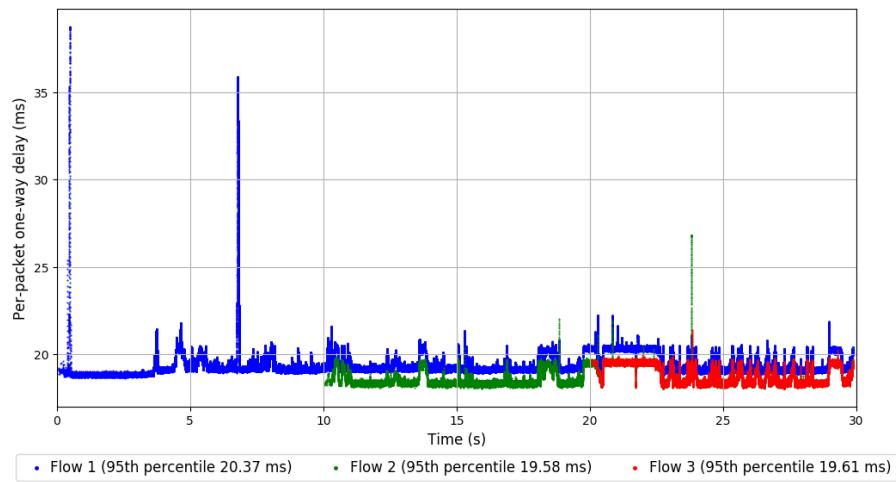
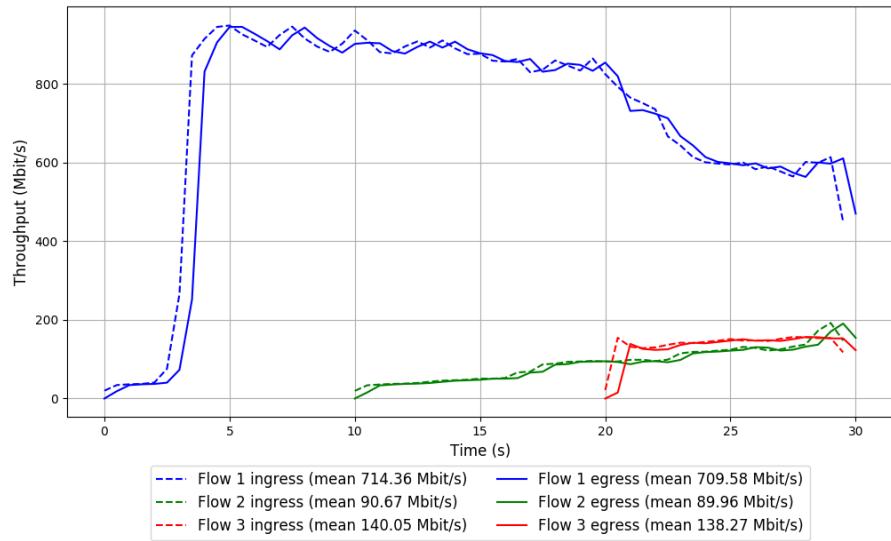


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-30 19:12:01
End at: 2018-05-30 19:12:31
Local clock offset: -0.572 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-05-30 21:39:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 815.00 Mbit/s
95th percentile per-packet one-way delay: 20.358 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 709.58 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 19.583 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 19.606 ms
Loss rate: 1.28%
```

Run 9: Report of PCC-Allegro — Data Link

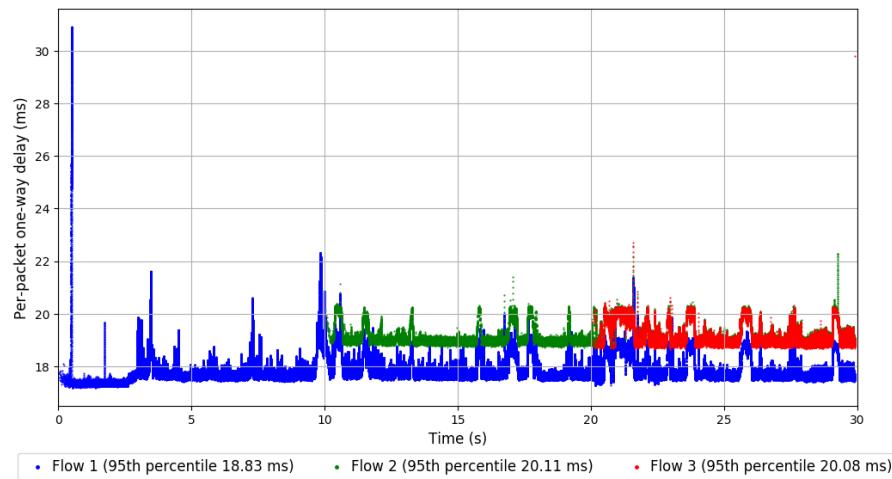
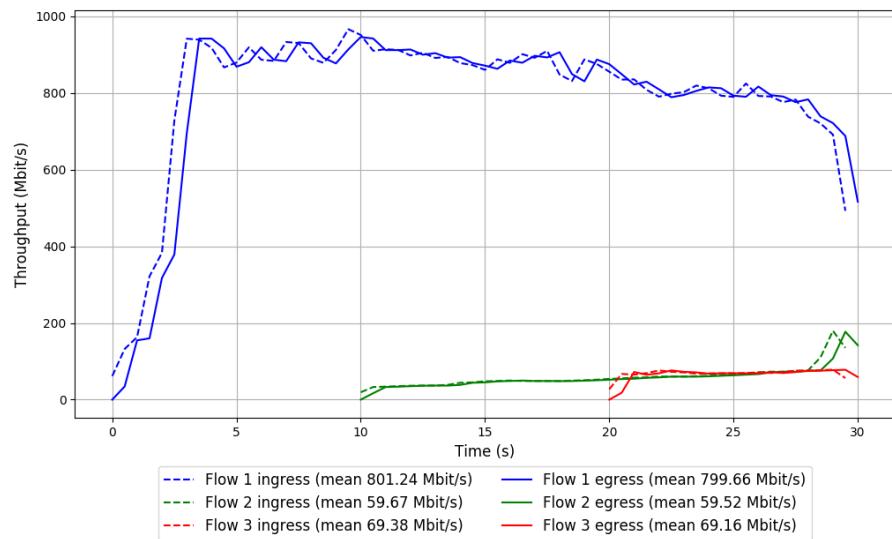


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-30 19:37:38
End at: 2018-05-30 19:38:08
Local clock offset: -1.099 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-05-30 21:40:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 861.70 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 799.66 Mbit/s
95th percentile per-packet one-way delay: 18.827 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 20.077 ms
Loss rate: 0.23%
```

Run 10: Report of PCC-Allegro — Data Link

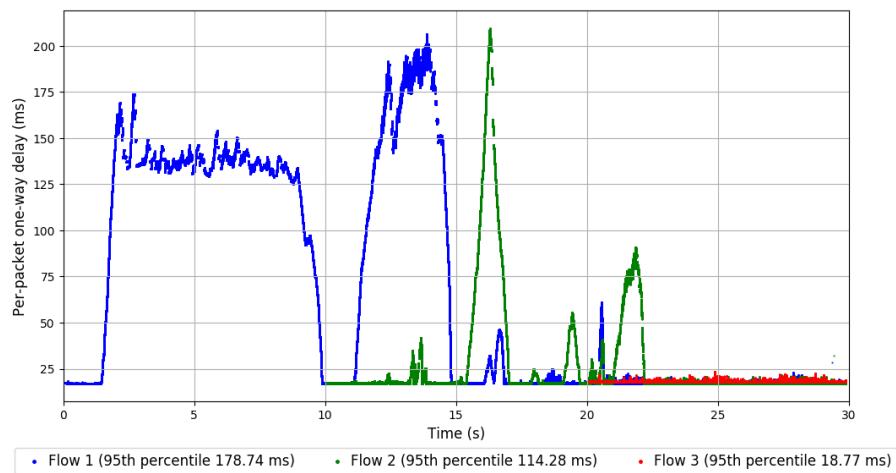
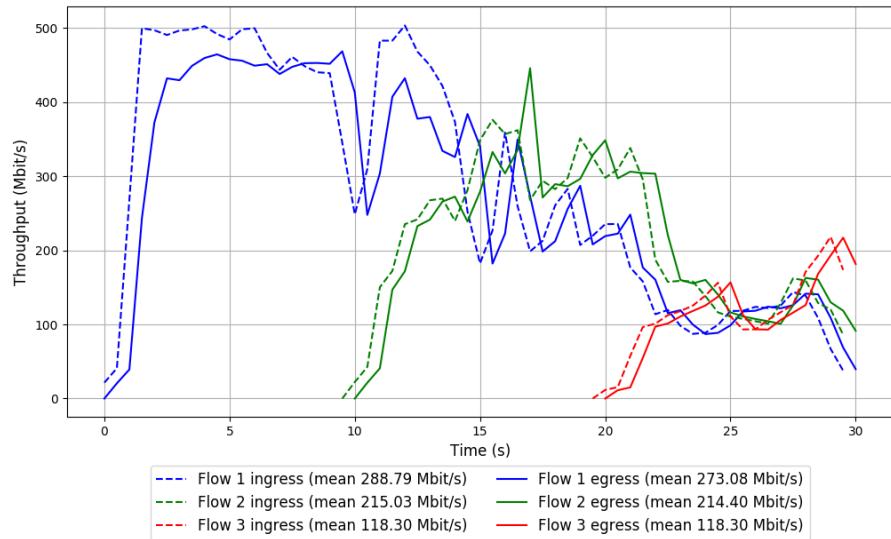


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-30 16:04:48
End at: 2018-05-30 16:05:18
Local clock offset: 0.123 ms
Remote clock offset: -0.554 ms

# Below is generated by plot.py at 2018-05-30 21:41:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.87 Mbit/s
95th percentile per-packet one-way delay: 167.428 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 273.08 Mbit/s
95th percentile per-packet one-way delay: 178.741 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 214.40 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 118.30 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

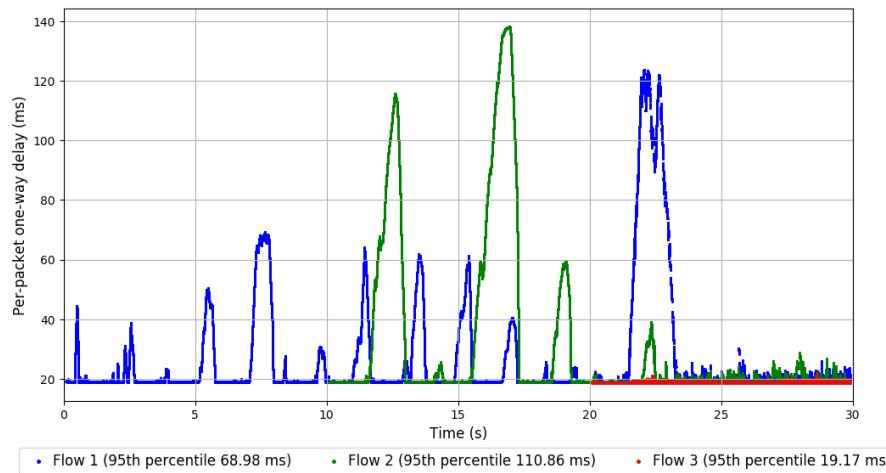
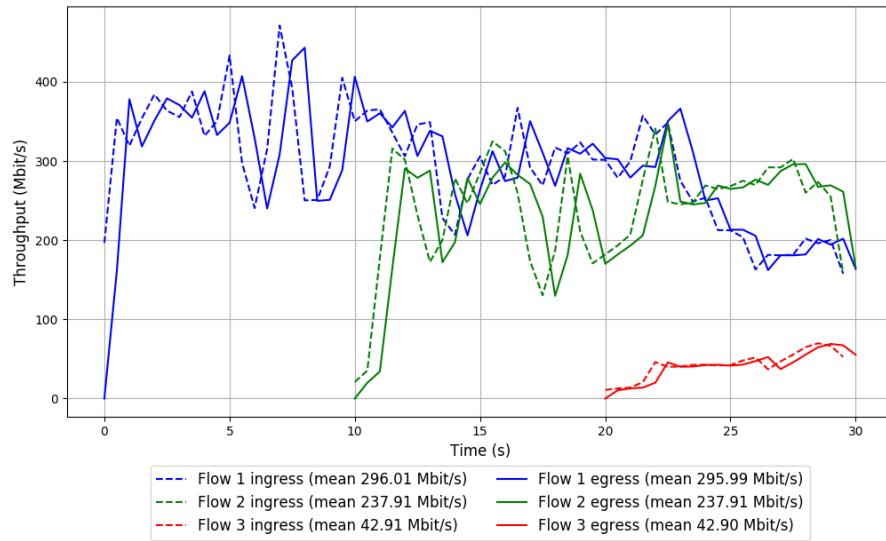


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-30 16:30:11
End at: 2018-05-30 16:30:41
Local clock offset: 0.167 ms
Remote clock offset: 0.128 ms

# Below is generated by plot.py at 2018-05-30 21:41:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.36 Mbit/s
95th percentile per-packet one-way delay: 91.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.99 Mbit/s
95th percentile per-packet one-way delay: 68.982 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 237.91 Mbit/s
95th percentile per-packet one-way delay: 110.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

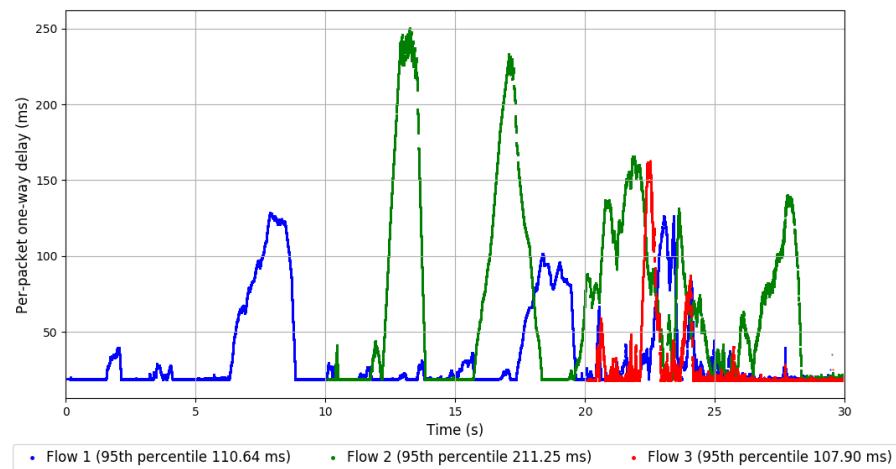
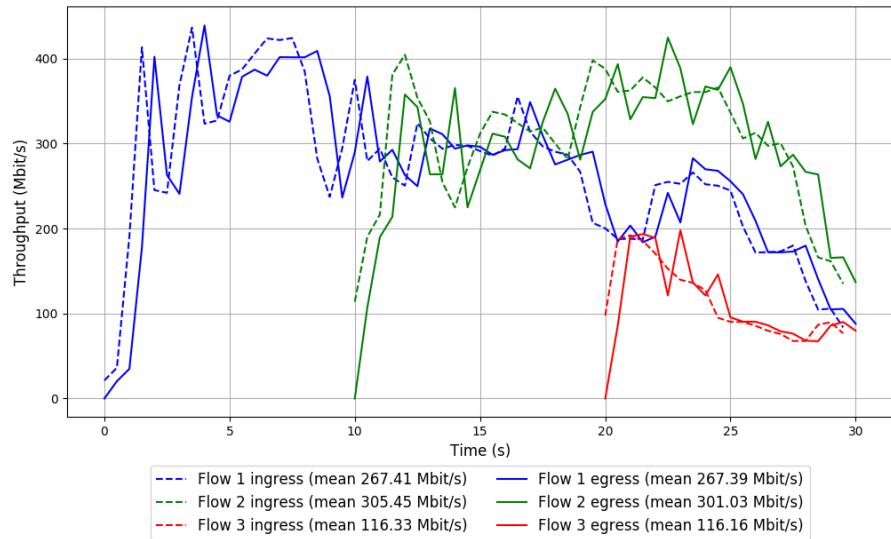


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-30 16:56:07
End at: 2018-05-30 16:56:37
Local clock offset: 0.258 ms
Remote clock offset: 0.633 ms

# Below is generated by plot.py at 2018-05-30 21:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 505.94 Mbit/s
95th percentile per-packet one-way delay: 150.847 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 267.39 Mbit/s
95th percentile per-packet one-way delay: 110.641 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 301.03 Mbit/s
95th percentile per-packet one-way delay: 211.248 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 116.16 Mbit/s
95th percentile per-packet one-way delay: 107.900 ms
Loss rate: 0.14%
```

Run 3: Report of PCC-Expr — Data Link

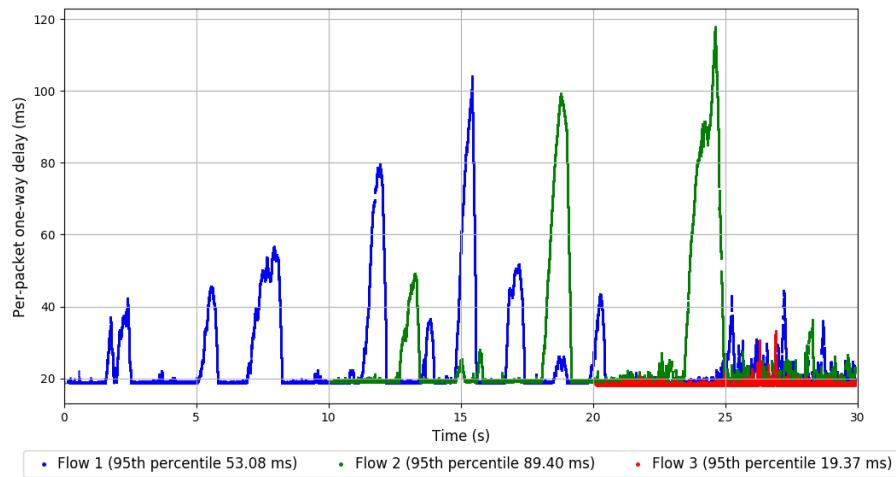
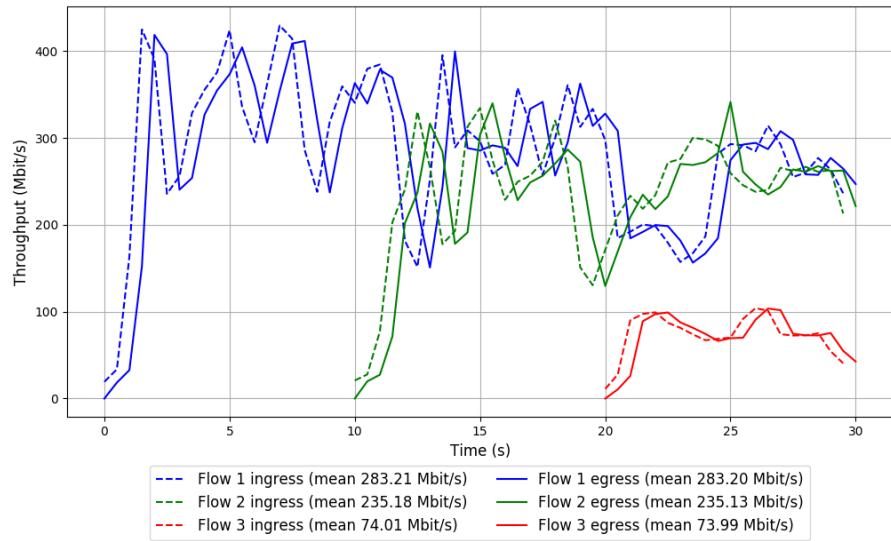


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-30 17:21:46
End at: 2018-05-30 17:22:16
Local clock offset: 0.4 ms
Remote clock offset: 0.396 ms

# Below is generated by plot.py at 2018-05-30 21:43:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.00 Mbit/s
95th percentile per-packet one-way delay: 67.764 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 283.20 Mbit/s
95th percentile per-packet one-way delay: 53.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 89.398 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Expr — Data Link

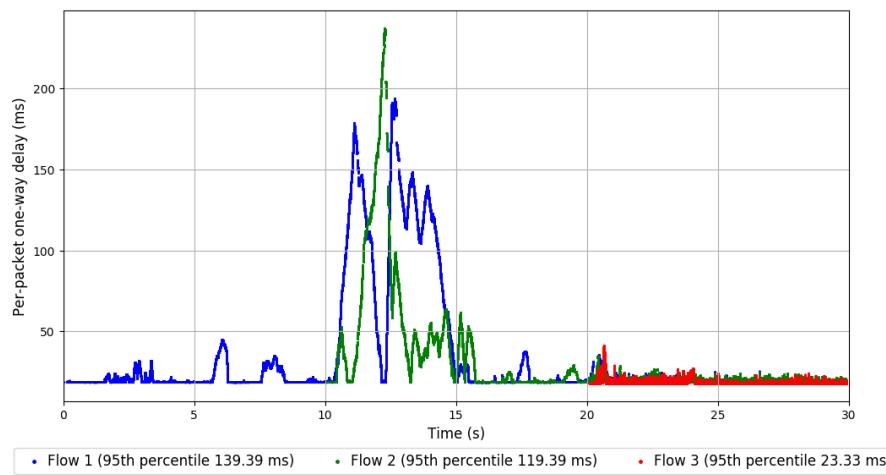
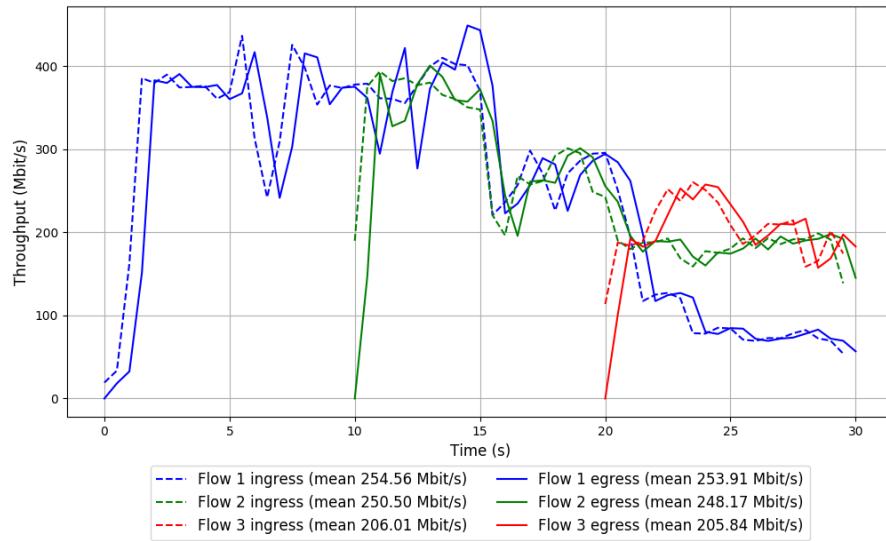


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-30 17:47:12
End at: 2018-05-30 17:47:42
Local clock offset: -0.227 ms
Remote clock offset: -0.347 ms

# Below is generated by plot.py at 2018-05-30 21:45:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.91 Mbit/s
95th percentile per-packet one-way delay: 130.898 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 253.91 Mbit/s
95th percentile per-packet one-way delay: 139.391 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 248.17 Mbit/s
95th percentile per-packet one-way delay: 119.385 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 205.84 Mbit/s
95th percentile per-packet one-way delay: 23.329 ms
Loss rate: 0.08%
```

Run 5: Report of PCC-Expr — Data Link

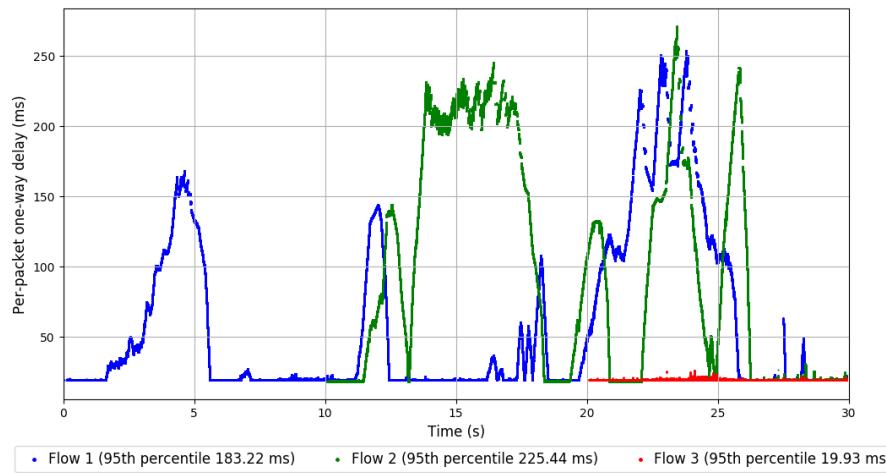
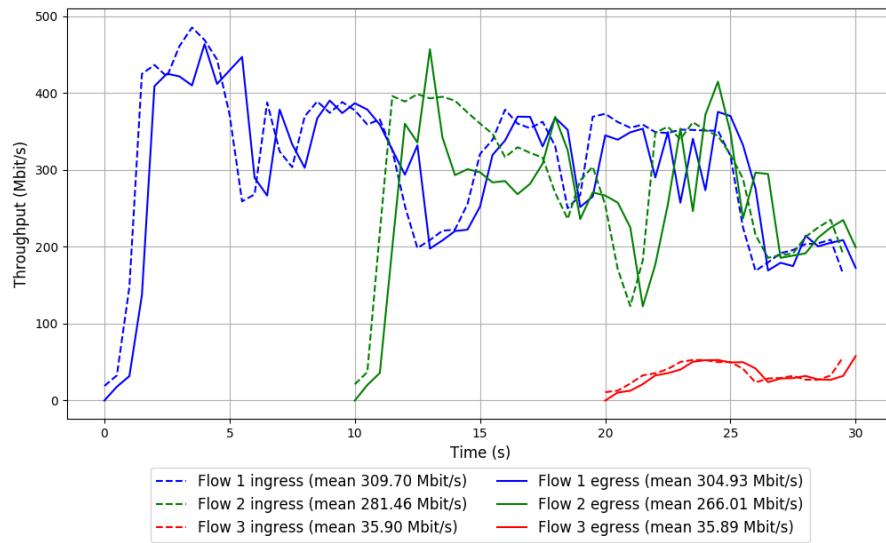


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-30 18:12:46
End at: 2018-05-30 18:13:16
Local clock offset: 0.015 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-05-30 21:46:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.69 Mbit/s
95th percentile per-packet one-way delay: 216.604 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 304.93 Mbit/s
95th percentile per-packet one-way delay: 183.215 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 266.01 Mbit/s
95th percentile per-packet one-way delay: 225.445 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.13%
```

Run 6: Report of PCC-Expr — Data Link

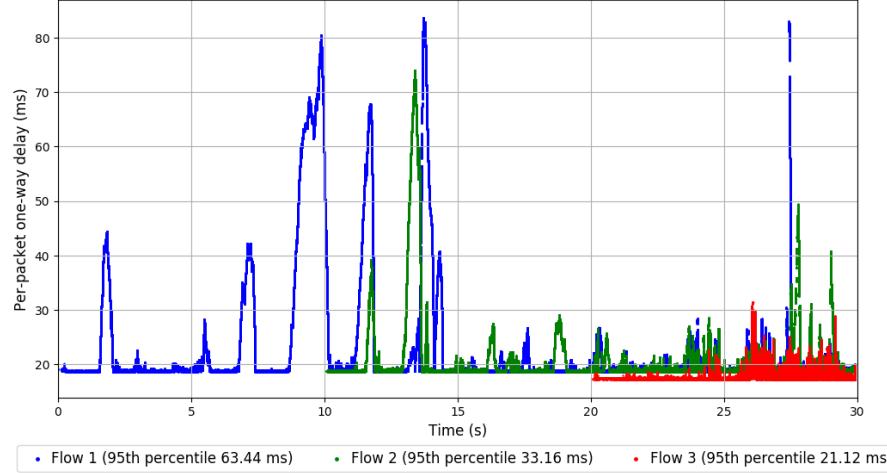
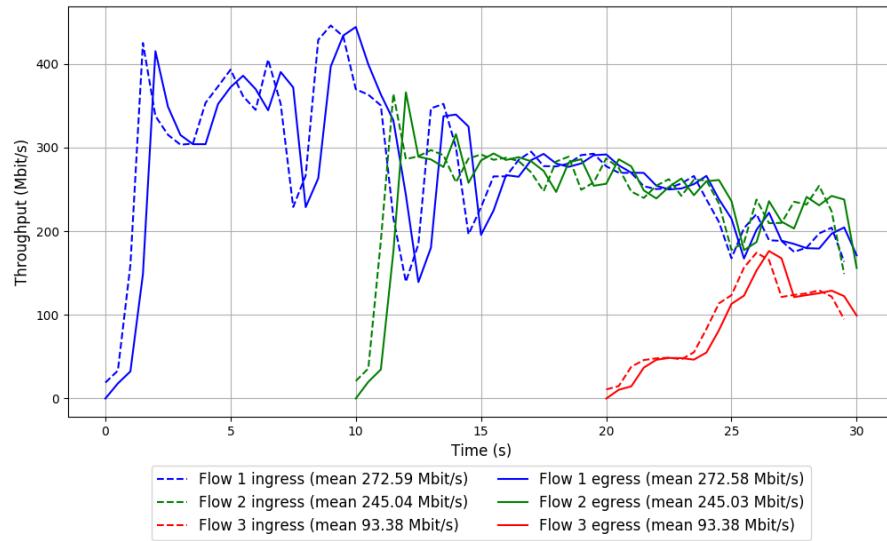


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-30 18:38:27
End at: 2018-05-30 18:38:57
Local clock offset: 0.333 ms
Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2018-05-30 21:51:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.39 Mbit/s
95th percentile per-packet one-way delay: 54.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.58 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.03 Mbit/s
95th percentile per-packet one-way delay: 33.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 21.120 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

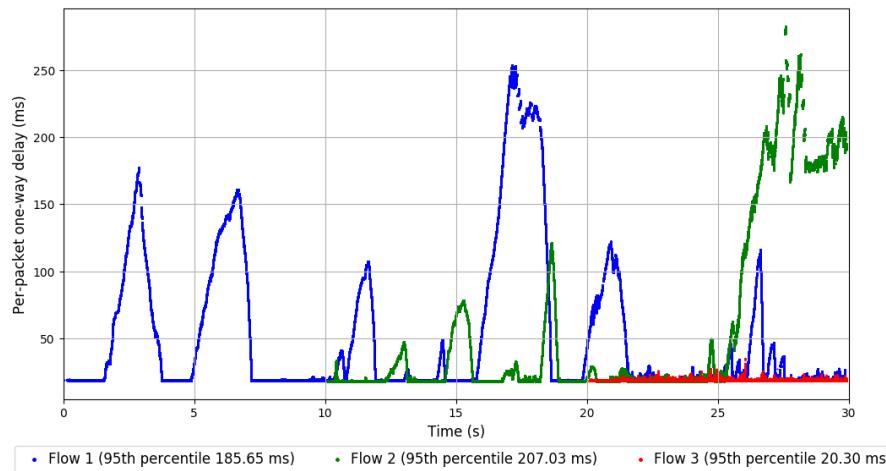
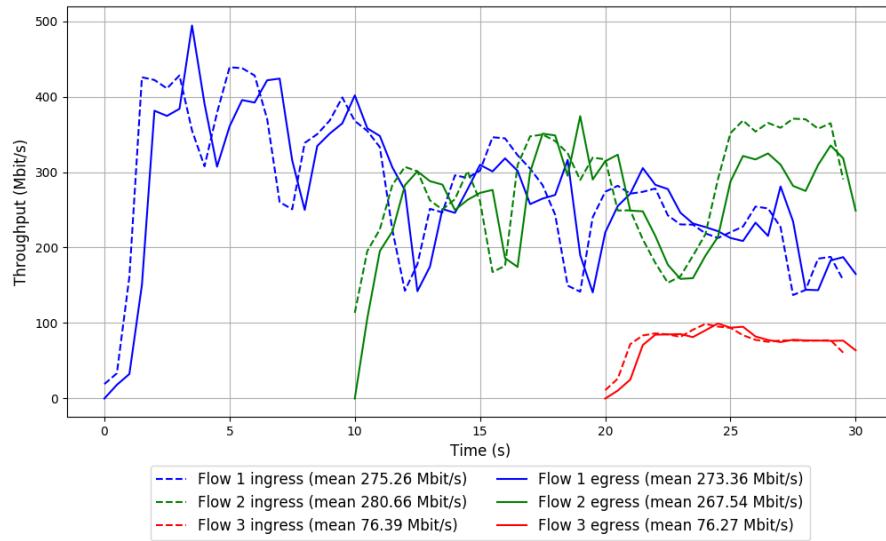


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-30 19:03:58
End at: 2018-05-30 19:04:28
Local clock offset: -0.221 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-05-30 21:52:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.45 Mbit/s
95th percentile per-packet one-way delay: 202.359 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 273.36 Mbit/s
95th percentile per-packet one-way delay: 185.645 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 267.54 Mbit/s
95th percentile per-packet one-way delay: 207.025 ms
Loss rate: 4.68%
-- Flow 3:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 0.15%
```

Run 8: Report of PCC-Expr — Data Link

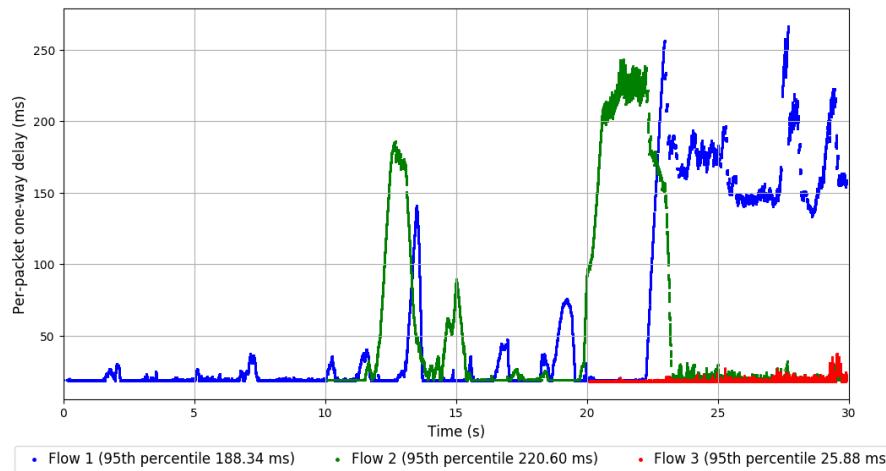
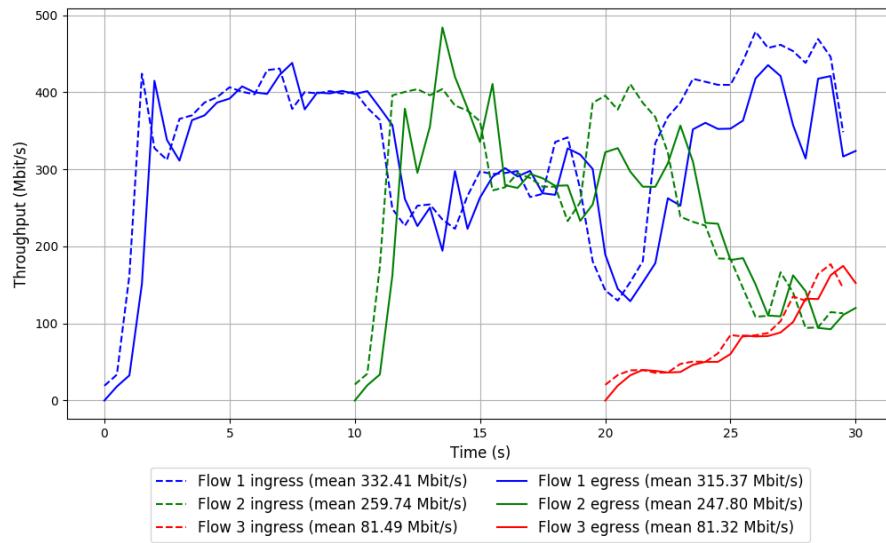


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-30 19:29:34
End at: 2018-05-30 19:30:04
Local clock offset: -0.921 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.04 Mbit/s
95th percentile per-packet one-way delay: 202.796 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 315.37 Mbit/s
95th percentile per-packet one-way delay: 188.336 ms
Loss rate: 5.13%
-- Flow 2:
Average throughput: 247.80 Mbit/s
95th percentile per-packet one-way delay: 220.596 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 25.882 ms
Loss rate: 0.20%
```

Run 9: Report of PCC-Expr — Data Link

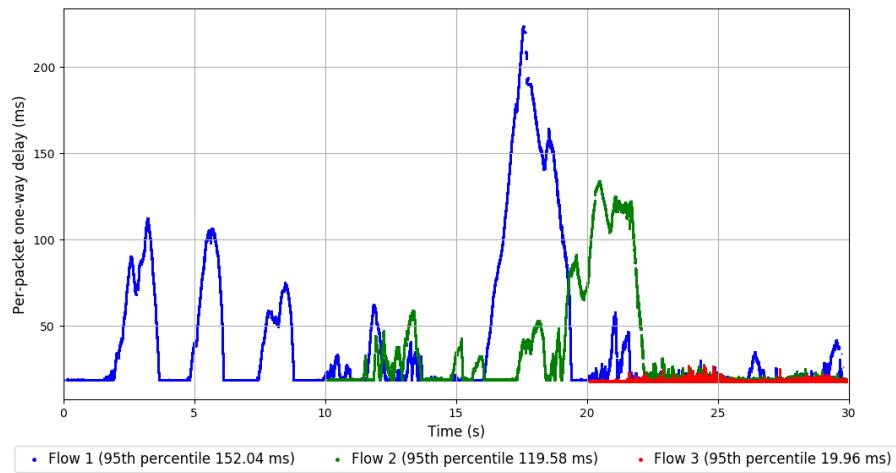
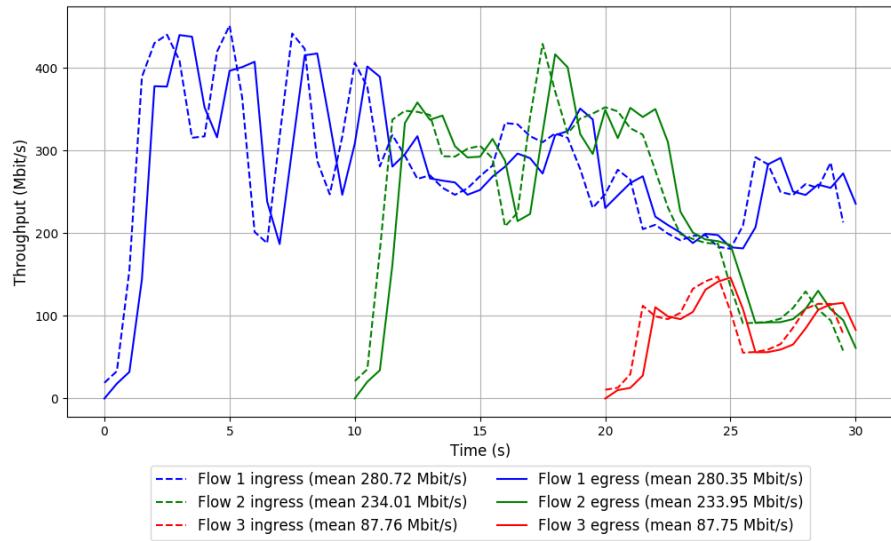


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-30 19:55:05
End at: 2018-05-30 19:55:35
Local clock offset: -1.338 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 464.96 Mbit/s
95th percentile per-packet one-way delay: 126.945 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 280.35 Mbit/s
95th percentile per-packet one-way delay: 152.036 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 233.95 Mbit/s
95th percentile per-packet one-way delay: 119.583 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 0.02%
```

Run 10: Report of PCC-Expr — Data Link

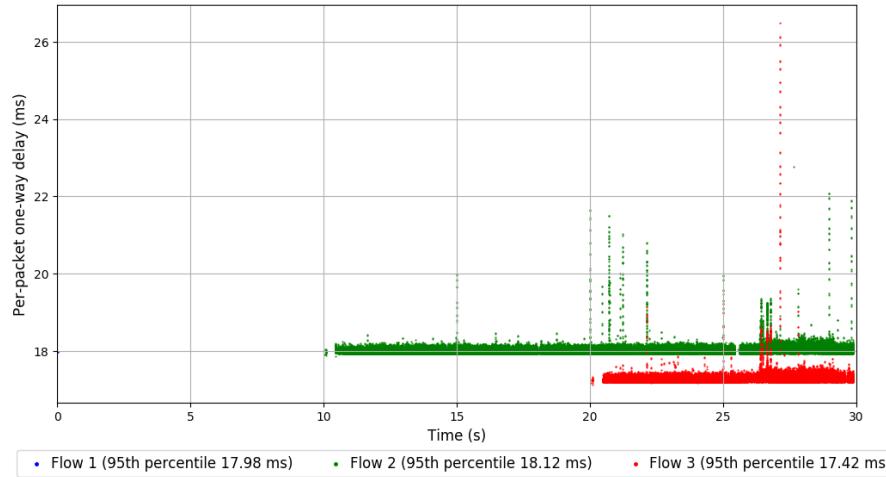
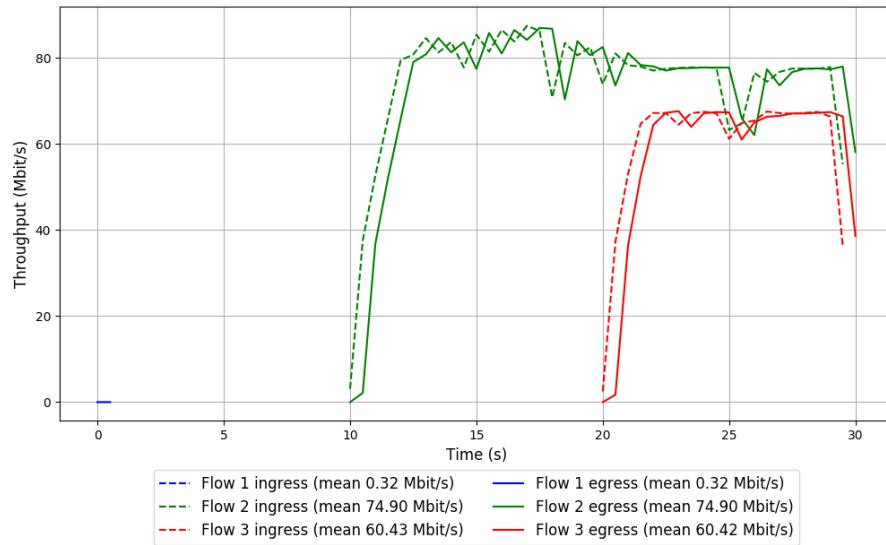


Run 1: Statistics of QUIC Cubic

```
Start at: 2018-05-30 16:03:28
End at: 2018-05-30 16:03:58
Local clock offset: 0.102 ms
Remote clock offset: -0.51 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 18.102 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 17.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.90 Mbit/s
95th percentile per-packet one-way delay: 18.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 17.418 ms
Loss rate: 0.01%
```

Run 1: Report of QUIC Cubic — Data Link

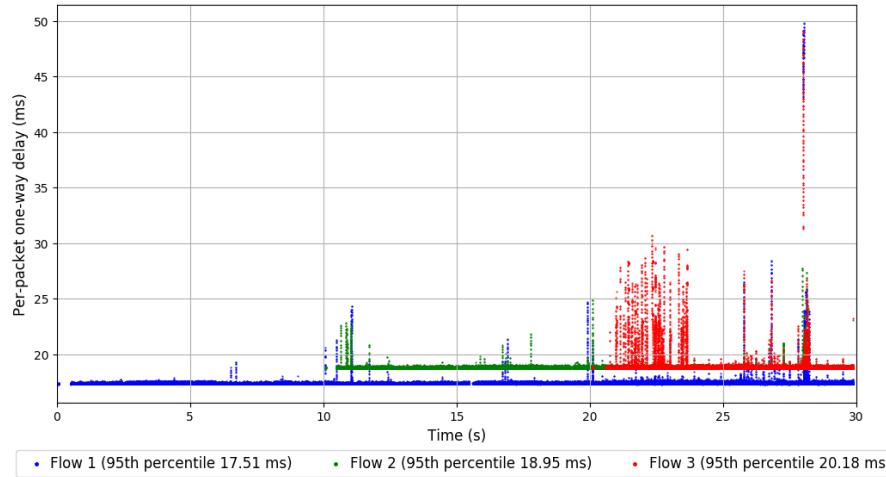
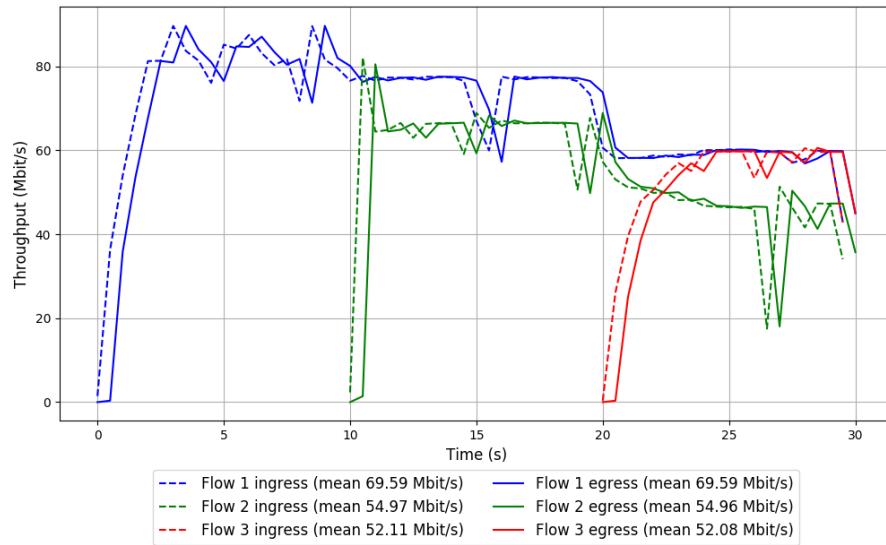


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-30 16:28:48
End at: 2018-05-30 16:29:18
Local clock offset: 0.048 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.17 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 17.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

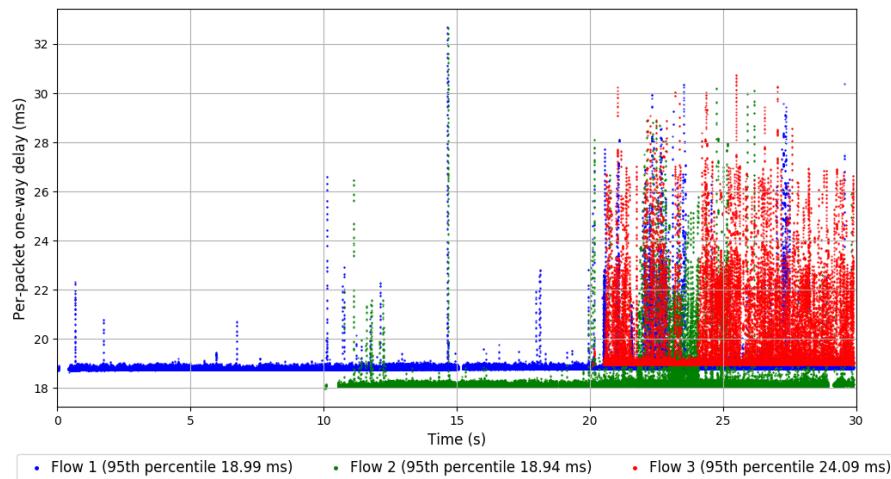
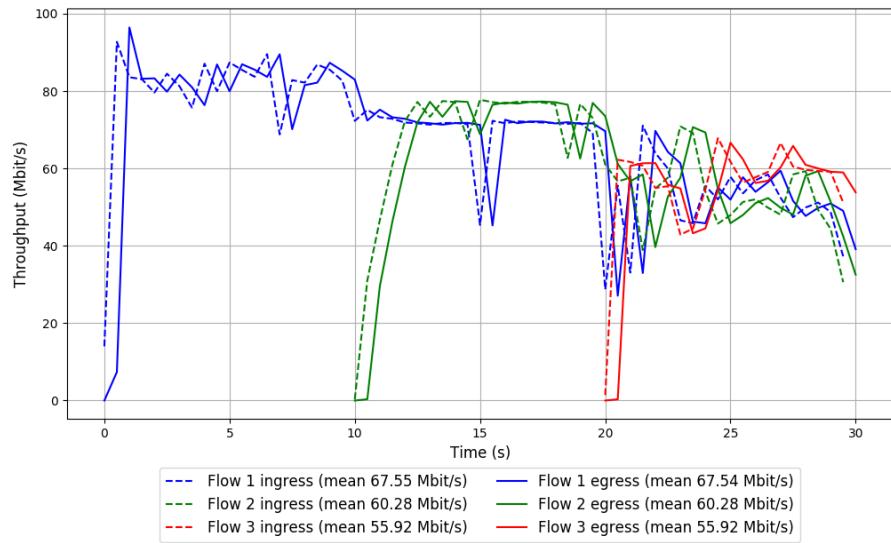


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-30 16:54:45
End at: 2018-05-30 16:55:15
Local clock offset: 0.133 ms
Remote clock offset: 0.705 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.97 Mbit/s
95th percentile per-packet one-way delay: 20.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 18.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 18.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 24.088 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

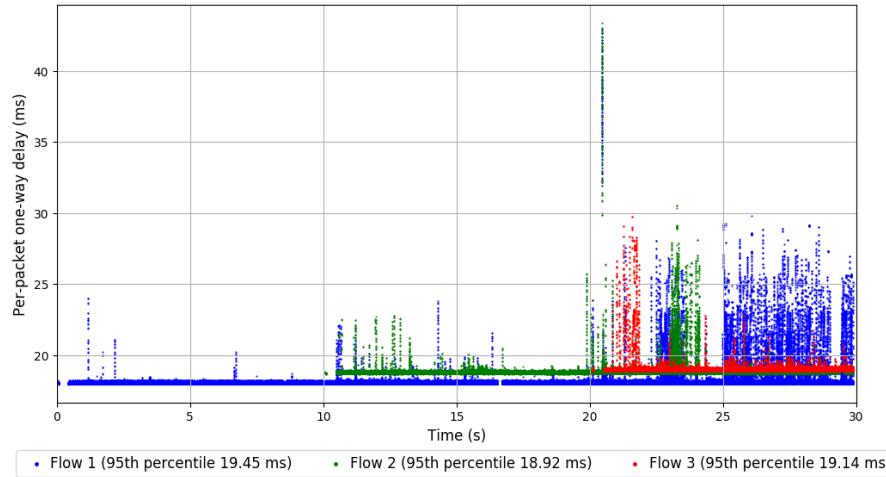
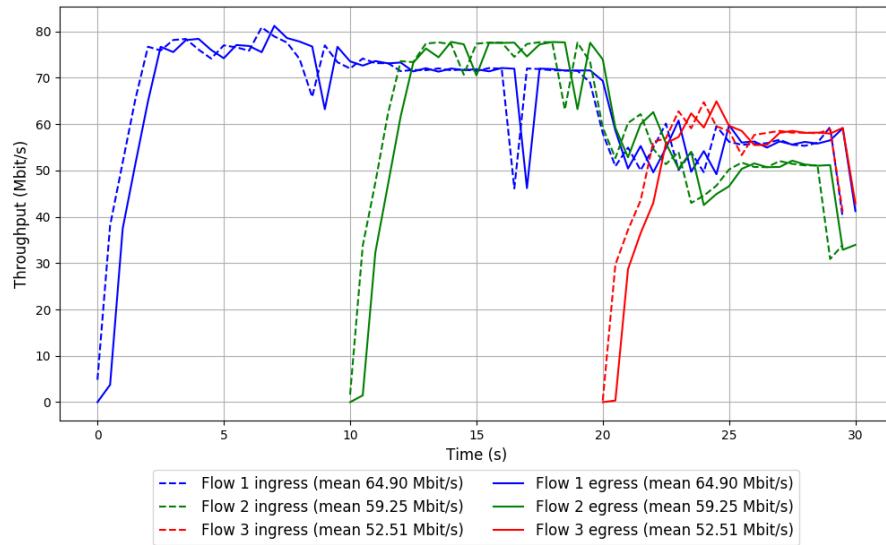


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-30 17:20:23
End at: 2018-05-30 17:20:53
Local clock offset: 0.498 ms
Remote clock offset: 0.379 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.51 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 18.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

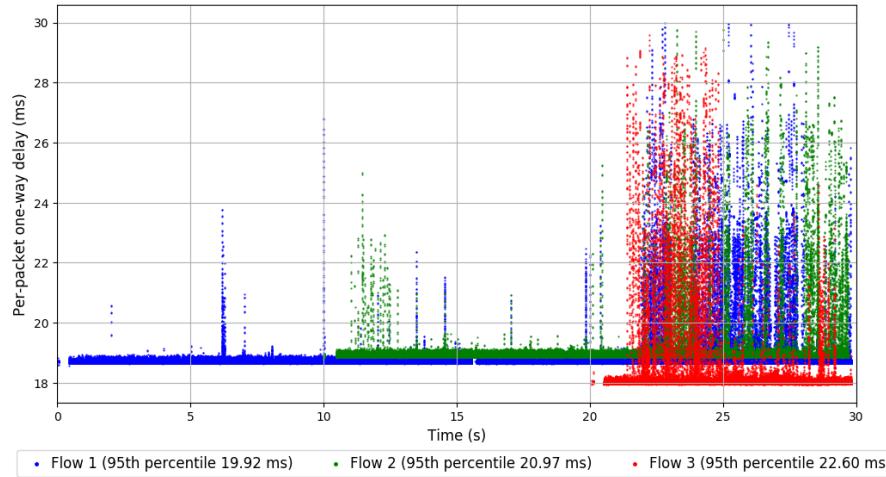
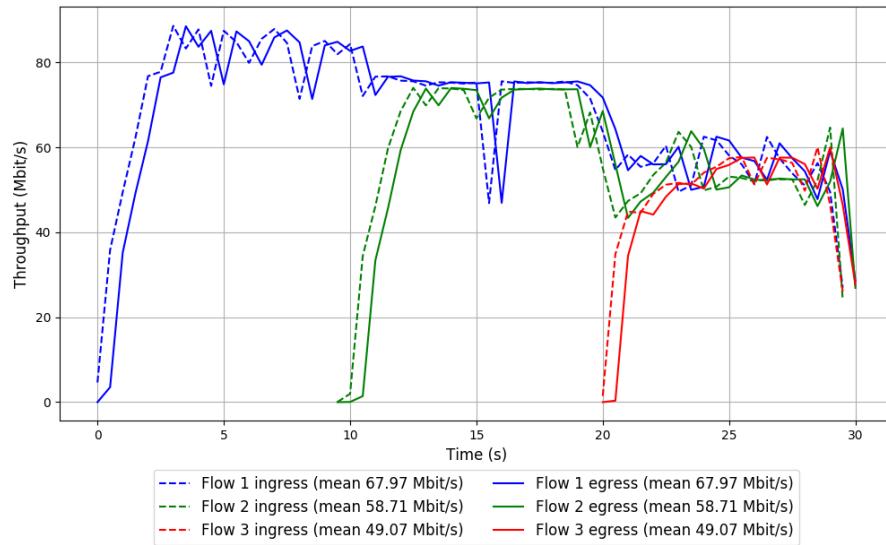


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-30 17:45:49
End at: 2018-05-30 17:46:19
Local clock offset: -0.173 ms
Remote clock offset: -0.322 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.92 Mbit/s
95th percentile per-packet one-way delay: 20.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 19.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 20.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.07 Mbit/s
95th percentile per-packet one-way delay: 22.599 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

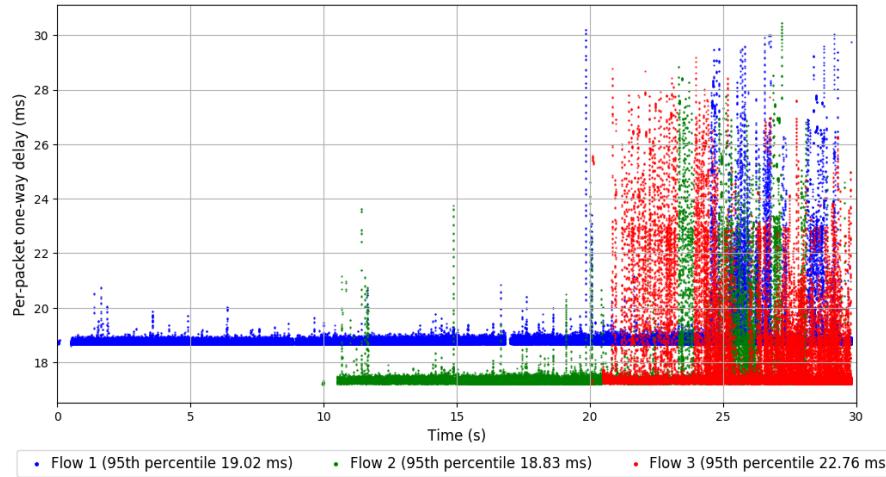
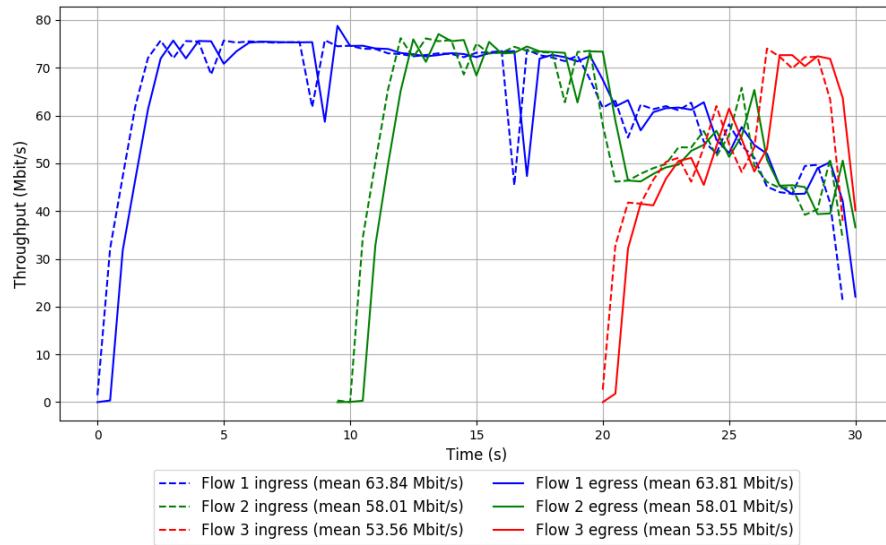


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-30 18:11:23
End at: 2018-05-30 18:11:53
Local clock offset: 0.02 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.02 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 22.763 ms
Loss rate: 0.01%
```

Run 6: Report of QUIC Cubic — Data Link

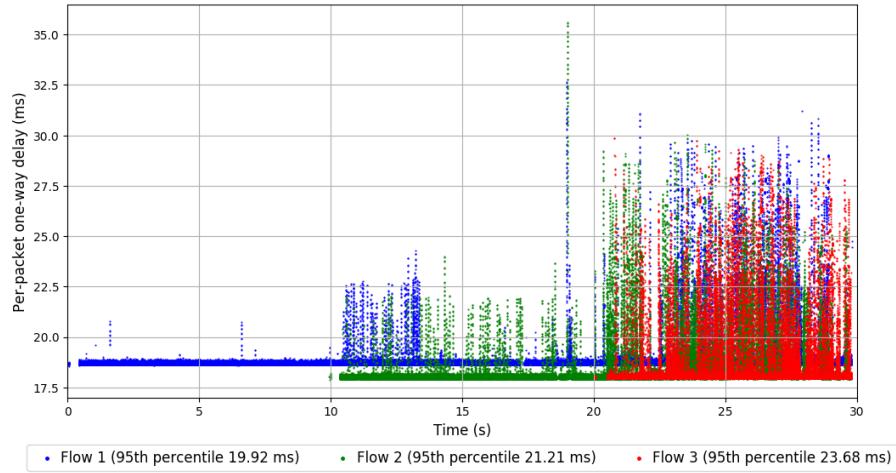
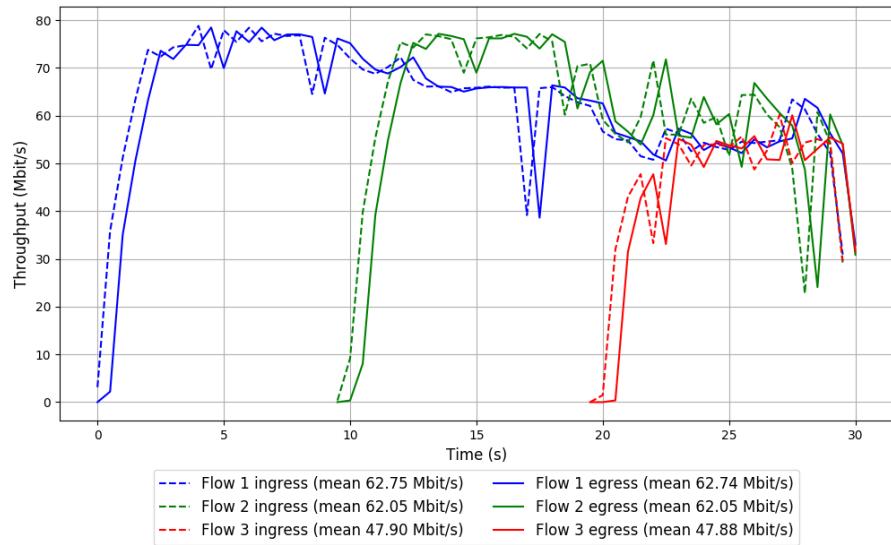


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-30 18:37:04
End at: 2018-05-30 18:37:34
Local clock offset: 0.33 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 119.85 Mbit/s
95th percentile per-packet one-way delay: 21.369 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 19.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 21.210 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 23.680 ms
Loss rate: 0.05%
```

Run 7: Report of QUIC Cubic — Data Link

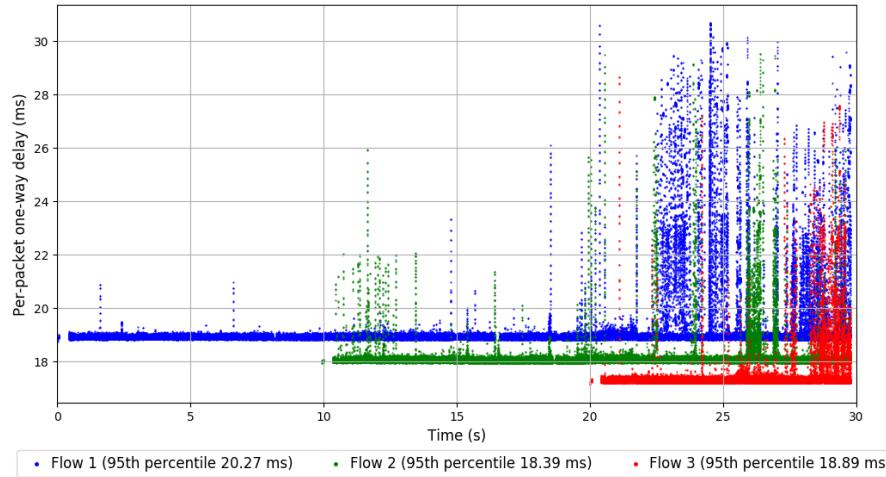
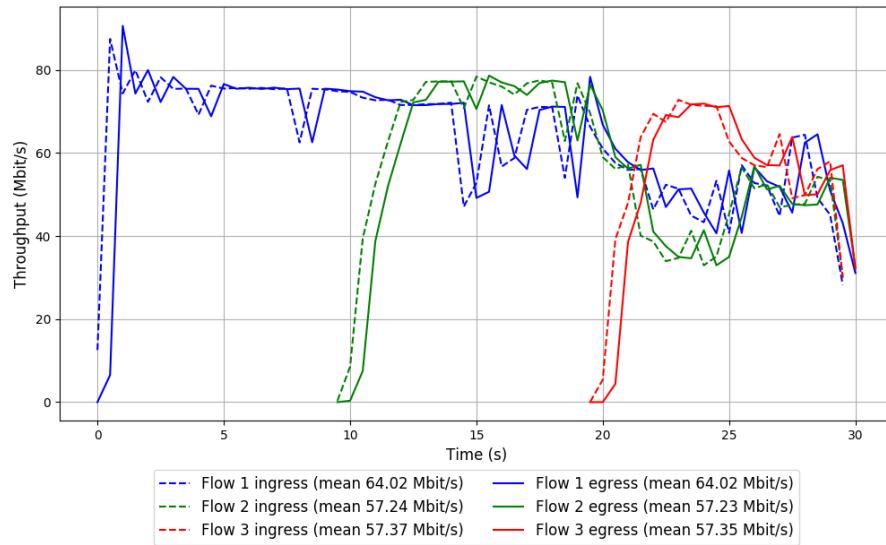


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-30 19:02:35
End at: 2018-05-30 19:03:05
Local clock offset: -0.17 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.07 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 20.274 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 18.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.02%
```

Run 8: Report of QUIC Cubic — Data Link

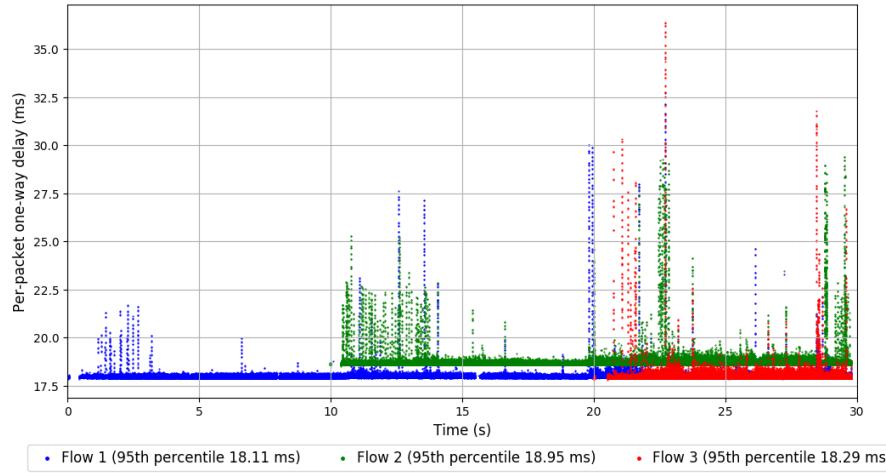
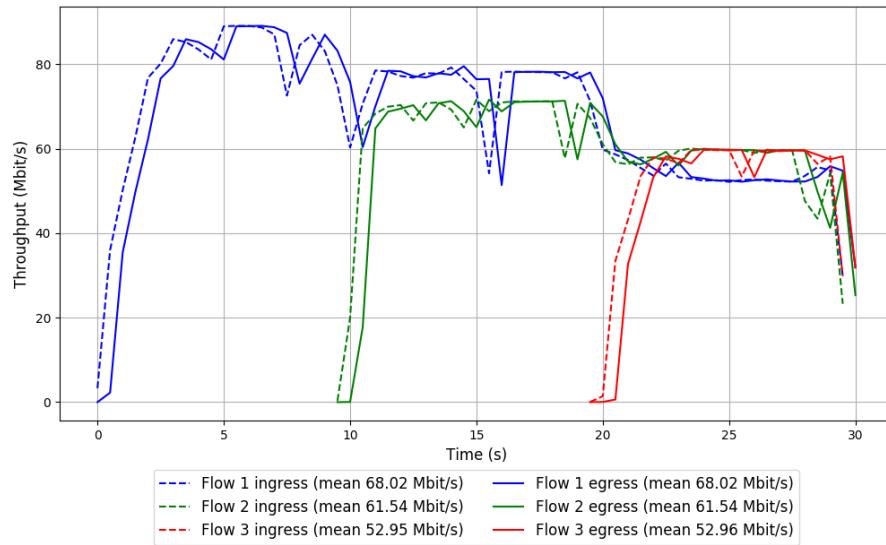


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-30 19:28:11
End at: 2018-05-30 19:28:41
Local clock offset: -0.914 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.46 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 18.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 18.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 18.290 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

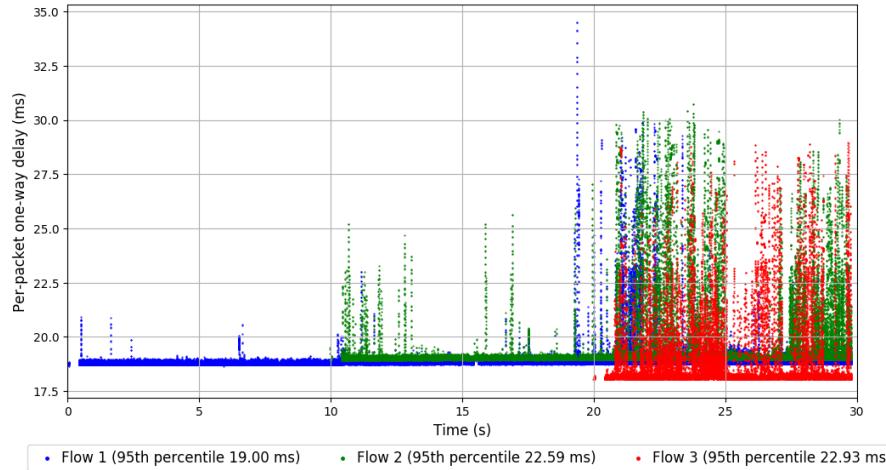
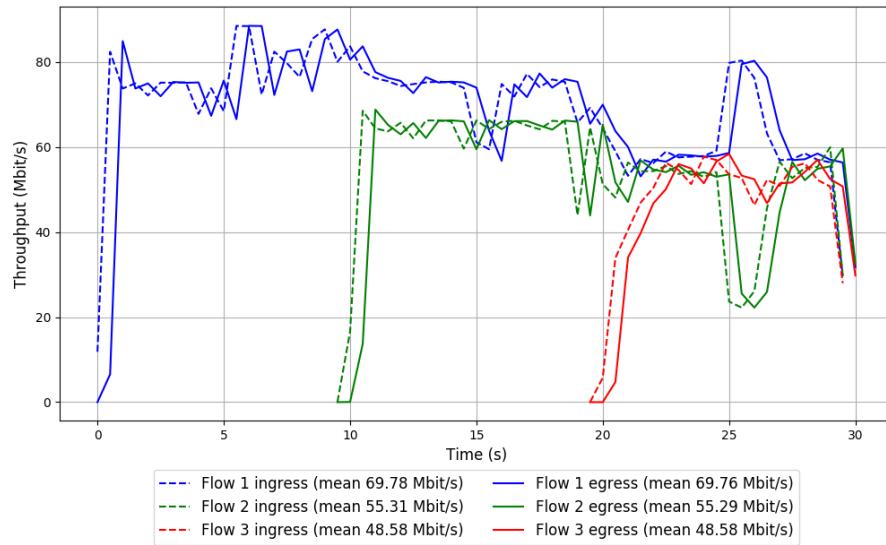


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-30 19:53:42
End at: 2018-05-30 19:54:12
Local clock offset: -1.421 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.59 Mbit/s
95th percentile per-packet one-way delay: 20.762 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 19.004 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 22.595 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 22.931 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

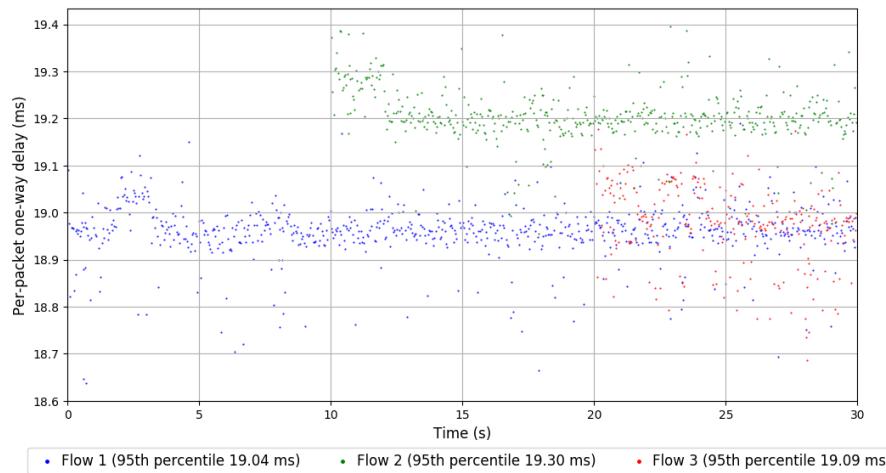
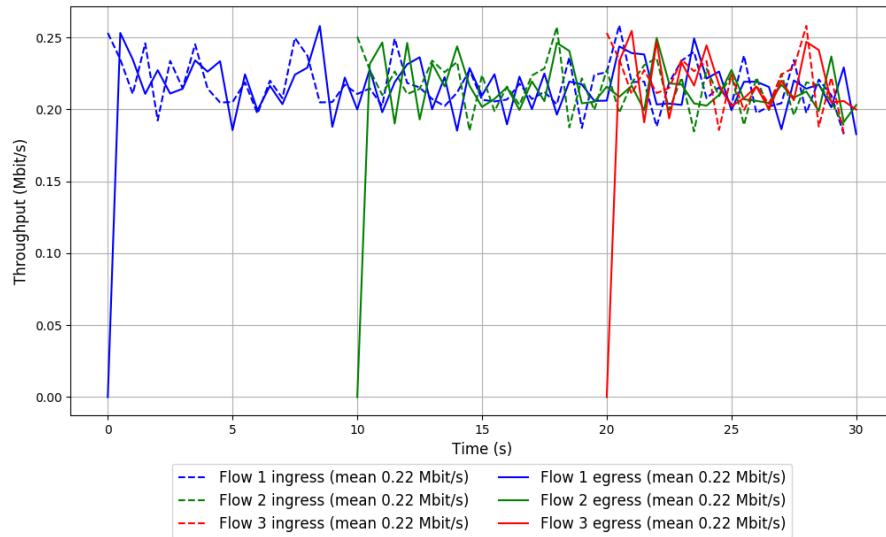


Run 1: Statistics of SCReAM

```
Start at: 2018-05-30 16:00:19
End at: 2018-05-30 16:00:49
Local clock offset: 0.098 ms
Remote clock offset: -0.488 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

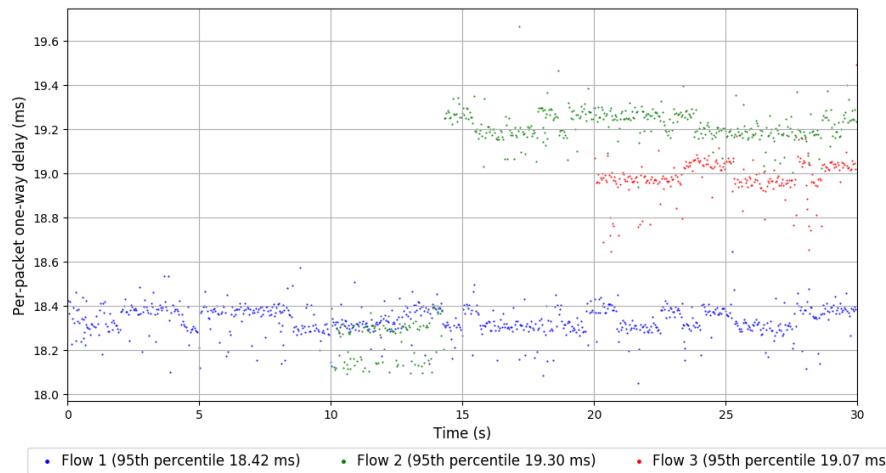
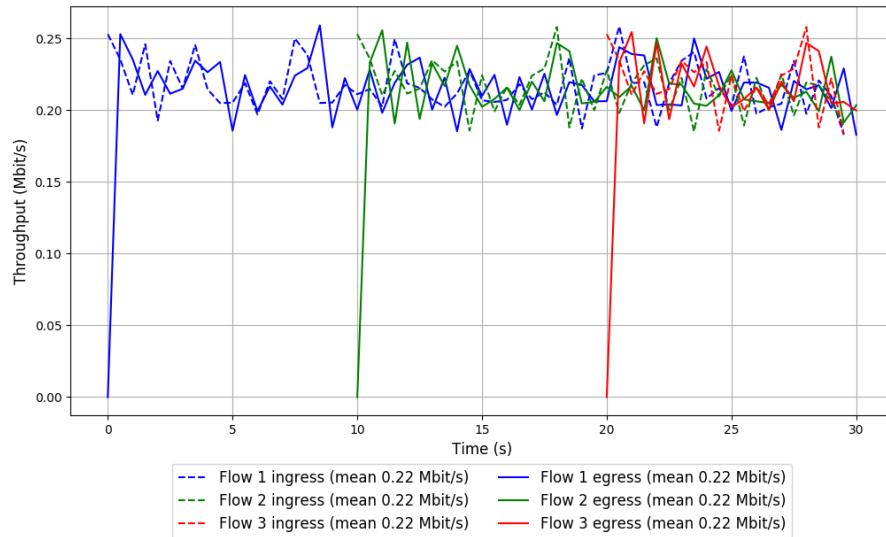


Run 2: Statistics of SCReAM

```
Start at: 2018-05-30 16:25:38
End at: 2018-05-30 16:26:08
Local clock offset: 0.03 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

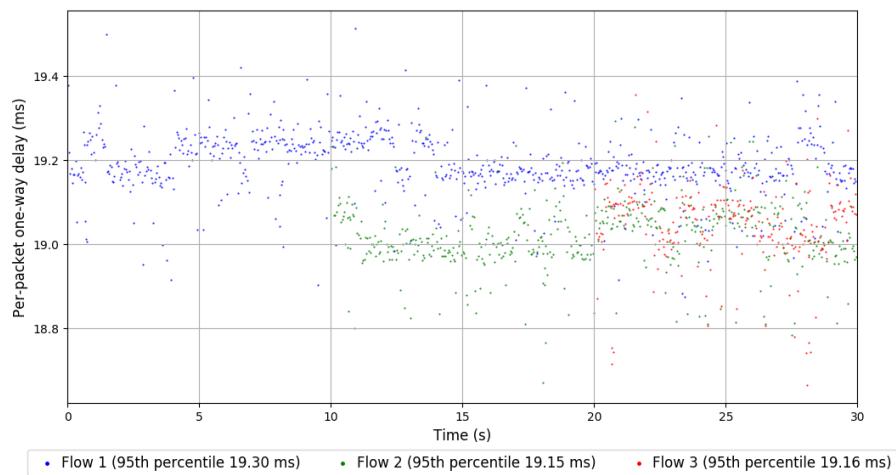
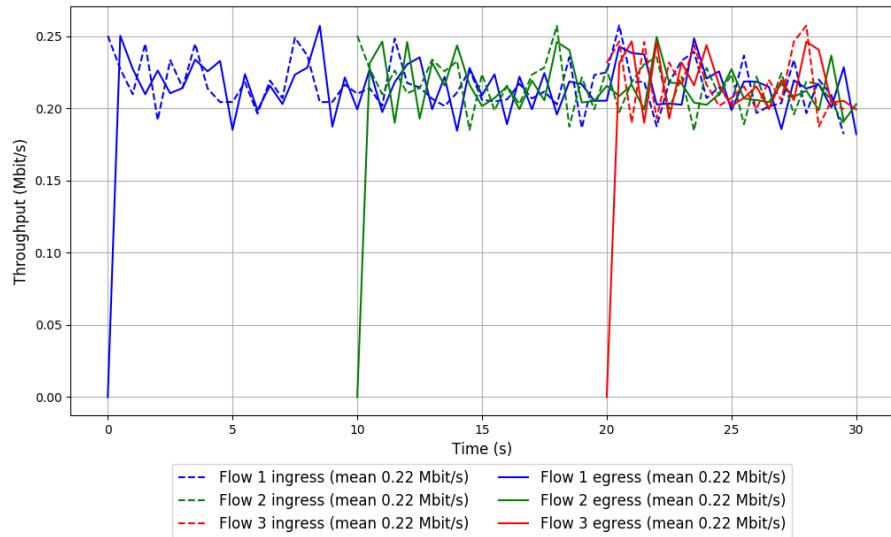


Run 3: Statistics of SCReAM

```
Start at: 2018-05-30 16:51:28
End at: 2018-05-30 16:51:58
Local clock offset: 0.063 ms
Remote clock offset: 0.708 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

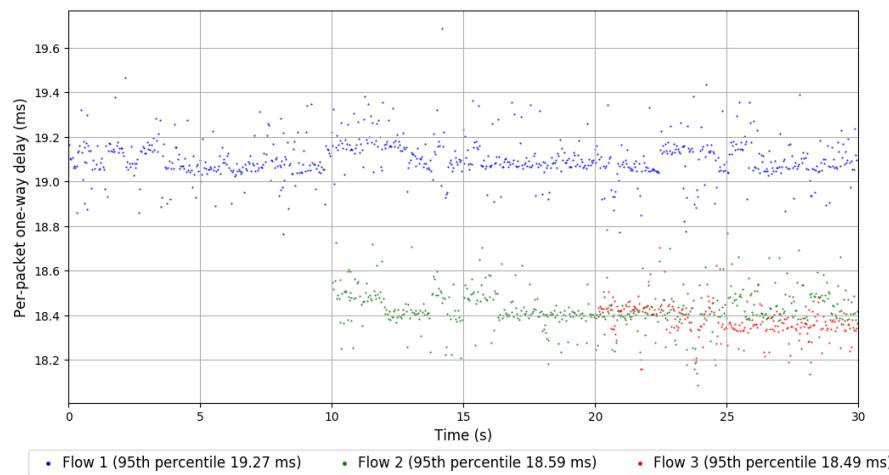
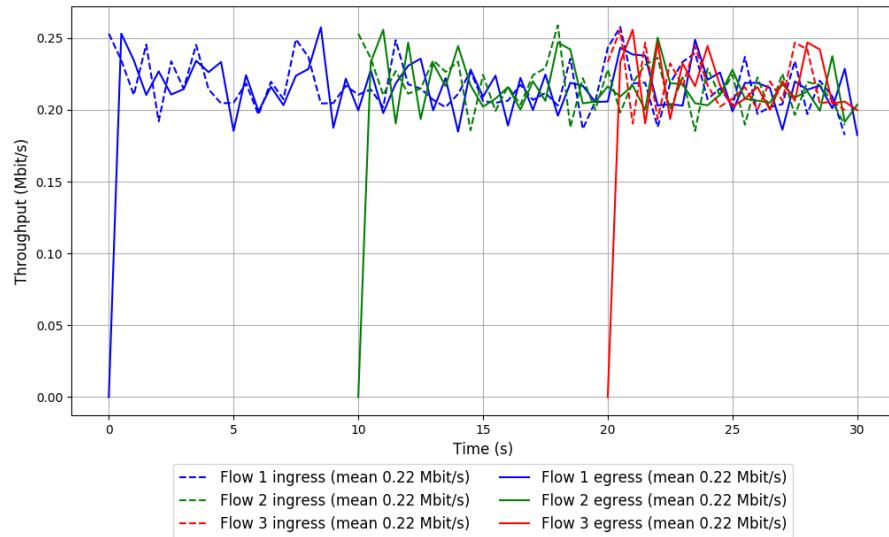


Run 4: Statistics of SCReAM

```
Start at: 2018-05-30 17:17:11
End at: 2018-05-30 17:17:41
Local clock offset: 0.405 ms
Remote clock offset: 0.368 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.488 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

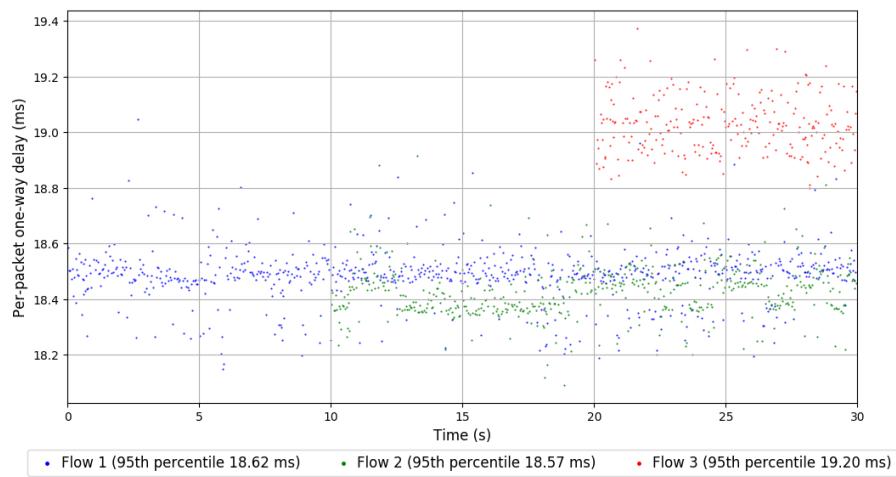
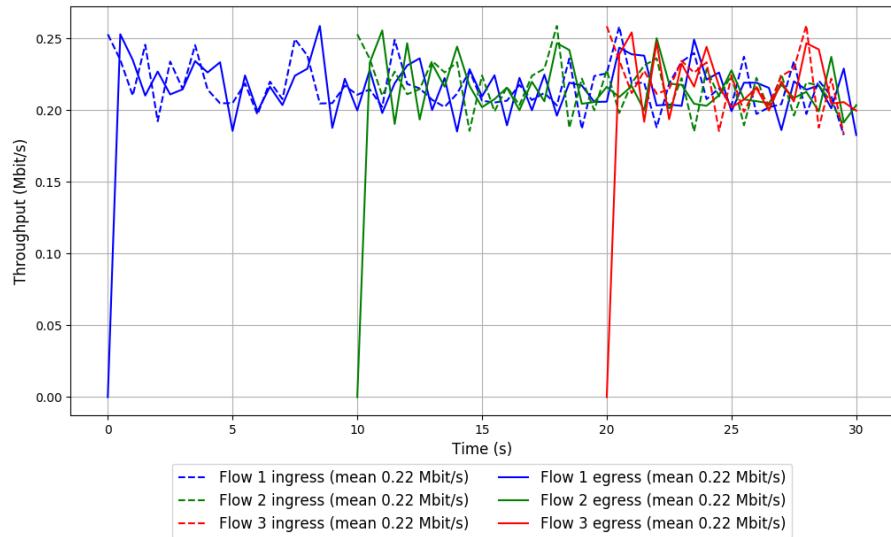


Run 5: Statistics of SCReAM

```
Start at: 2018-05-30 17:42:41
End at: 2018-05-30 17:43:11
Local clock offset: -0.219 ms
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.617 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

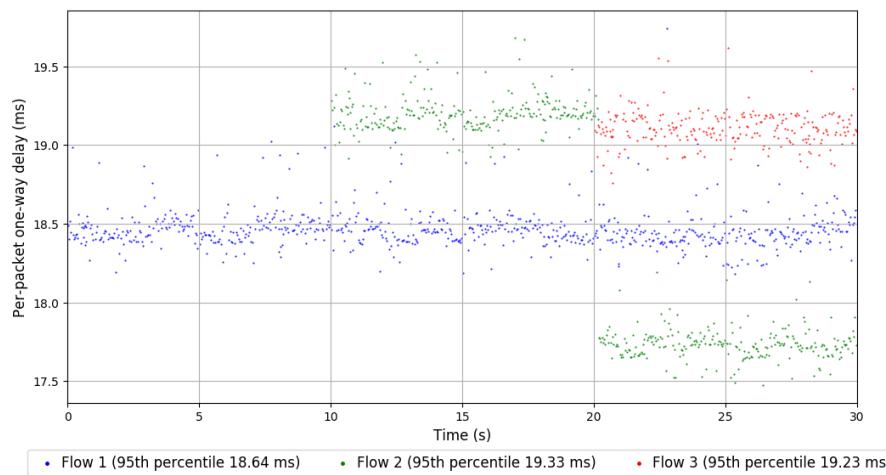
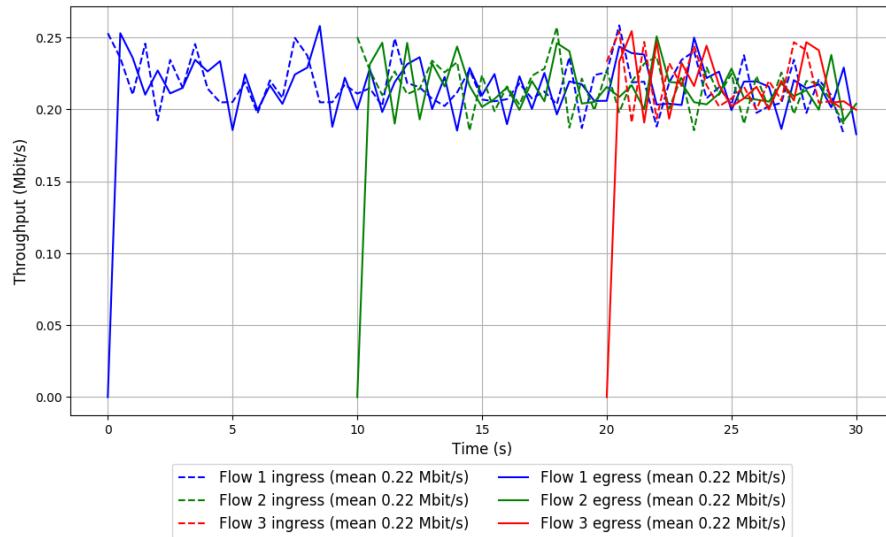


Run 6: Statistics of SCReAM

```
Start at: 2018-05-30 18:08:06
End at: 2018-05-30 18:08:36
Local clock offset: -0.046 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

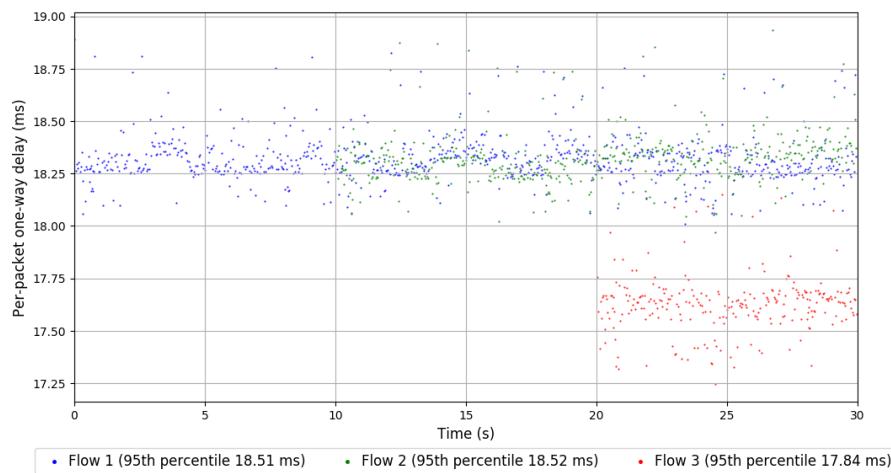
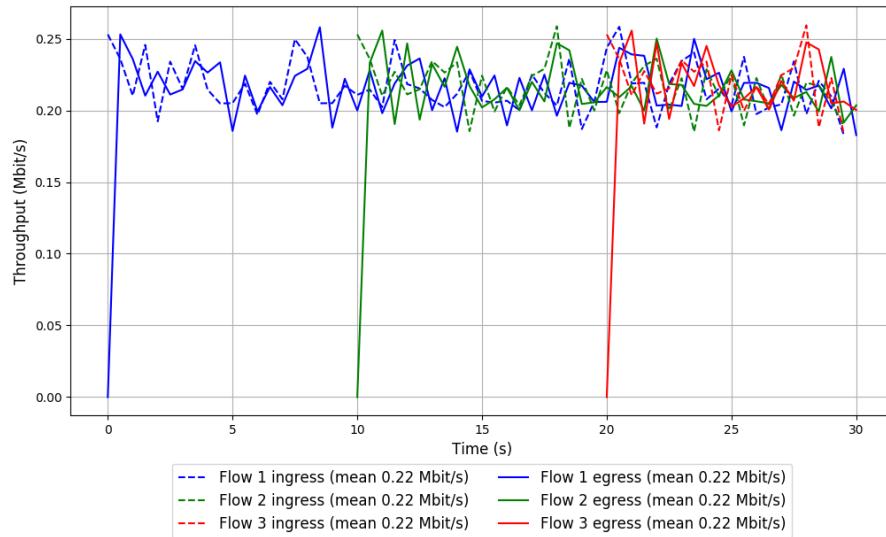


Run 7: Statistics of SCReAM

```
Start at: 2018-05-30 18:33:49
End at: 2018-05-30 18:34:19
Local clock offset: 0.282 ms
Remote clock offset: 0.116 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.839 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

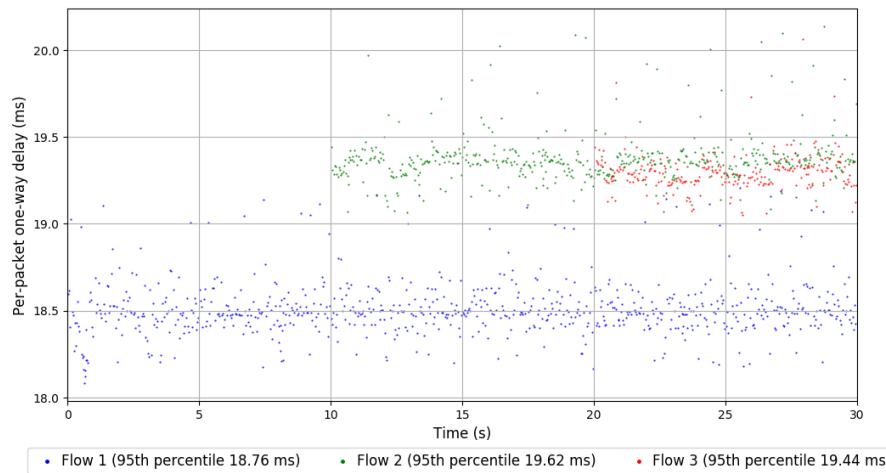
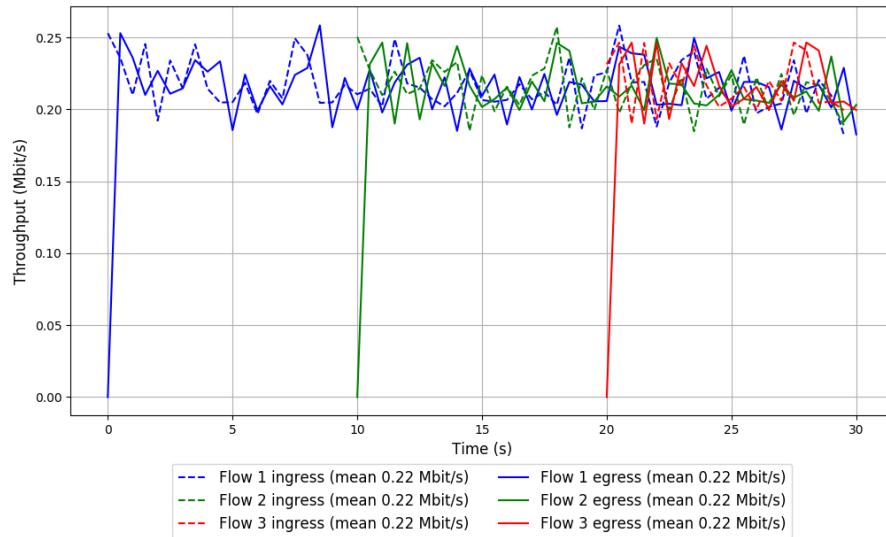


Run 8: Statistics of SCReAM

```
Start at: 2018-05-30 18:59:26
End at: 2018-05-30 18:59:57
Local clock offset: -0.128 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

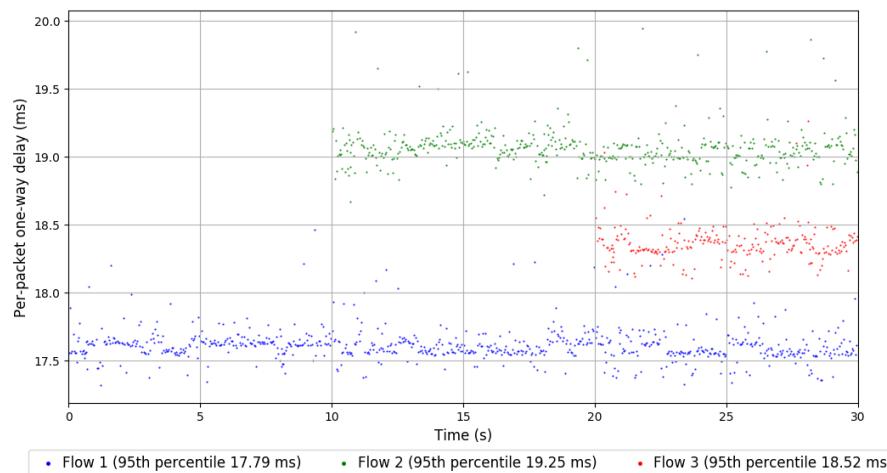
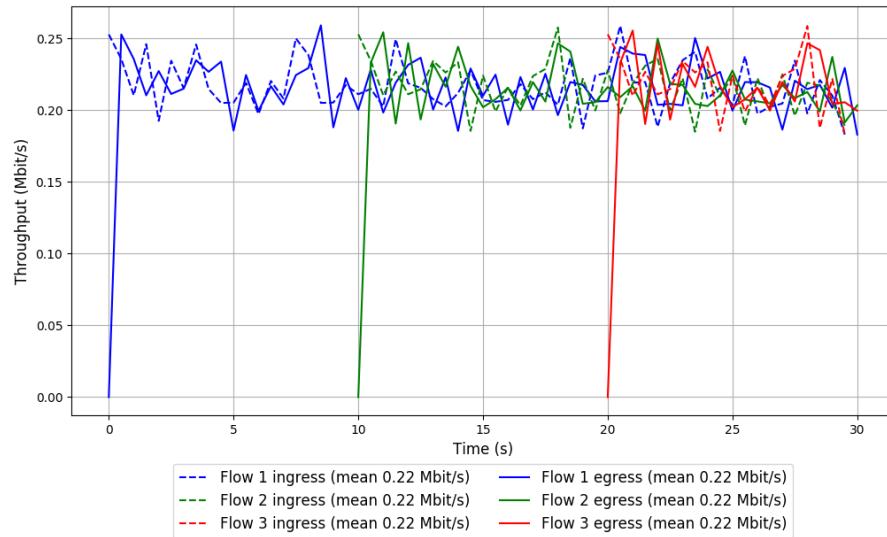


Run 9: Statistics of SCReAM

```
Start at: 2018-05-30 19:24:58
End at: 2018-05-30 19:25:28
Local clock offset: -0.927 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.517 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

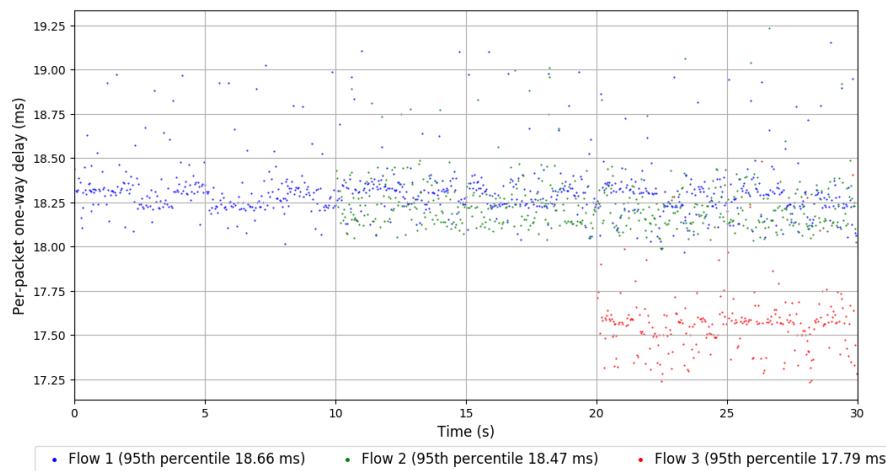
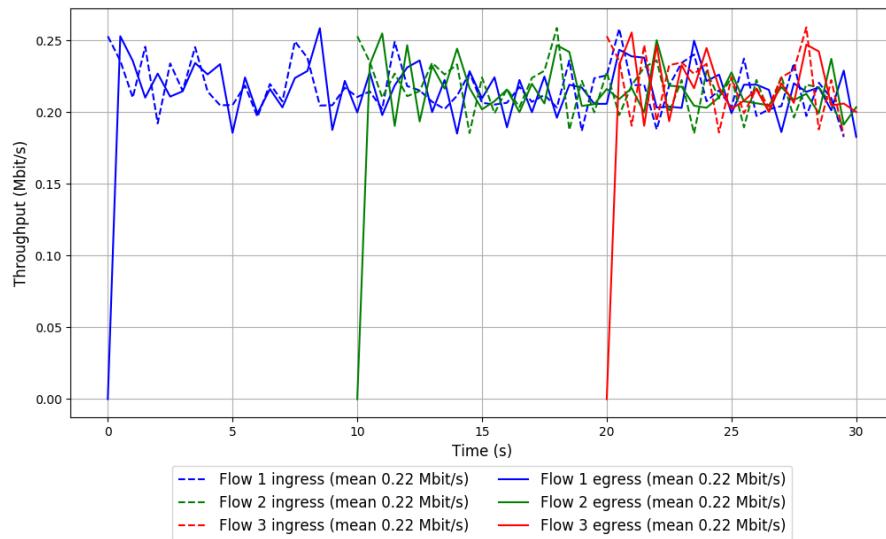


Run 10: Statistics of SCReAM

```
Start at: 2018-05-30 19:50:31
End at: 2018-05-30 19:51:01
Local clock offset: -1.416 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.664 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.791 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

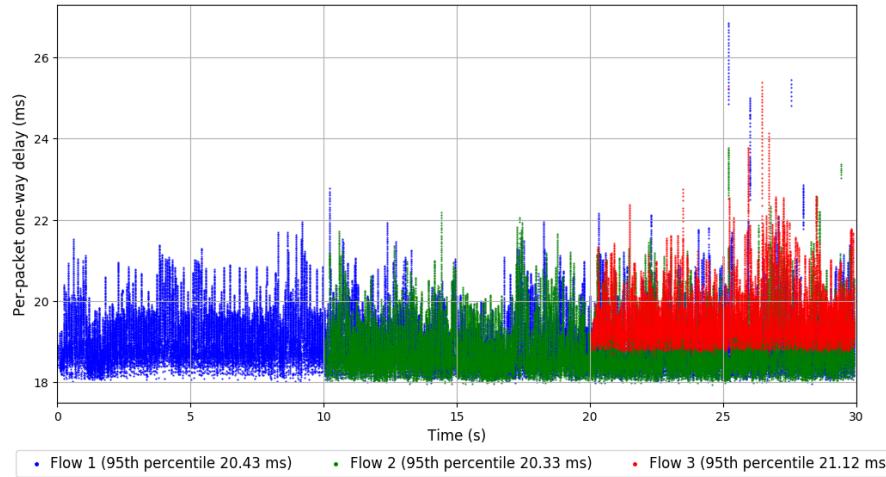
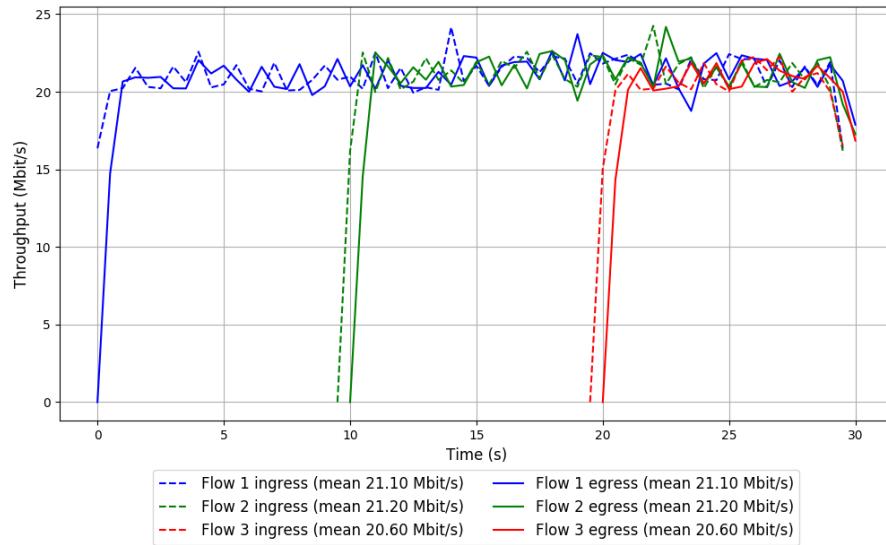


Run 1: Statistics of Sprout

```
Start at: 2018-05-30 15:52:38
End at: 2018-05-30 15:53:08
Local clock offset: 0.008 ms
Remote clock offset: -0.391 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 20.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 21.123 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

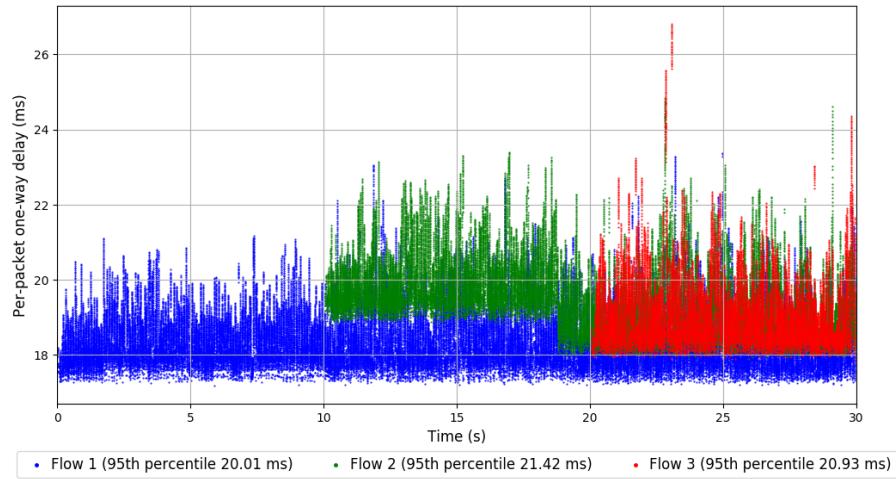
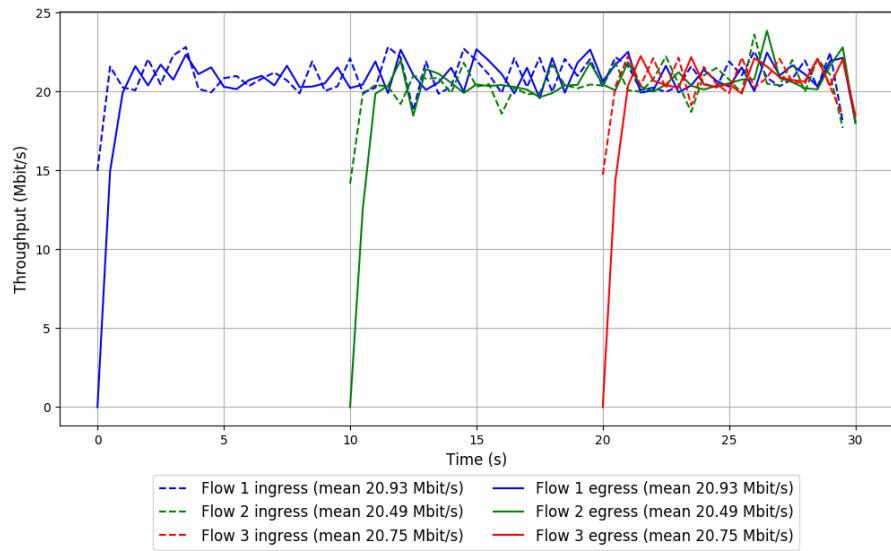


Run 2: Statistics of Sprout

```
Start at: 2018-05-30 16:17:52
End at: 2018-05-30 16:18:22
Local clock offset: 0.101 ms
Remote clock offset: -0.4 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 20.845 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 21.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 20.929 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

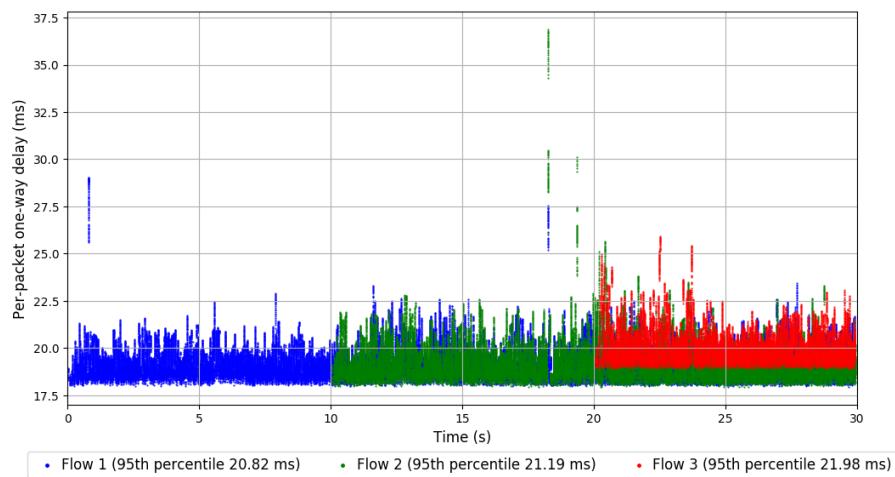
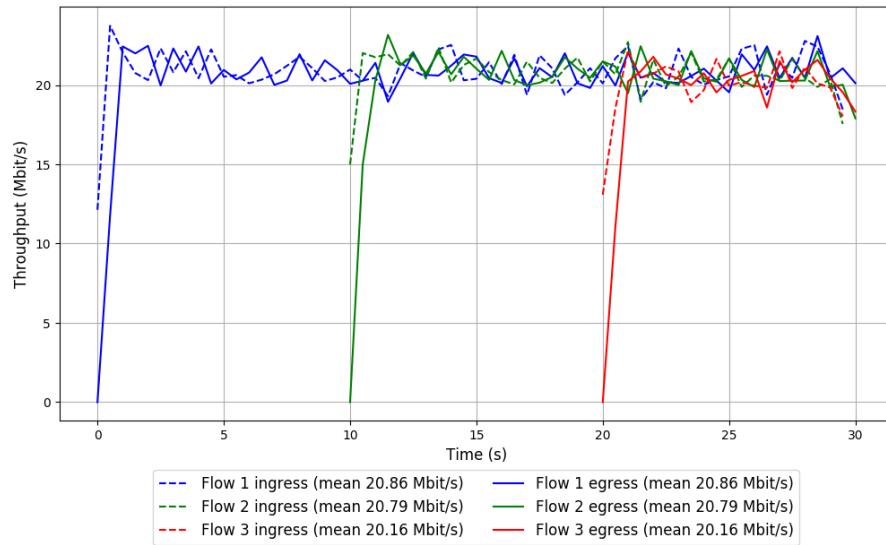


Run 3: Statistics of Sprout

```
Start at: 2018-05-30 16:43:40
End at: 2018-05-30 16:44:10
Local clock offset: 0.174 ms
Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 21.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 20.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 21.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 21.978 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

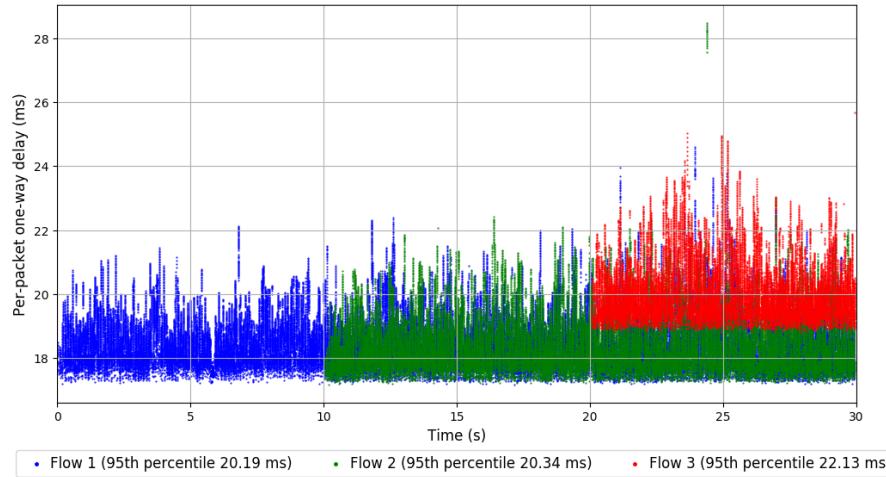
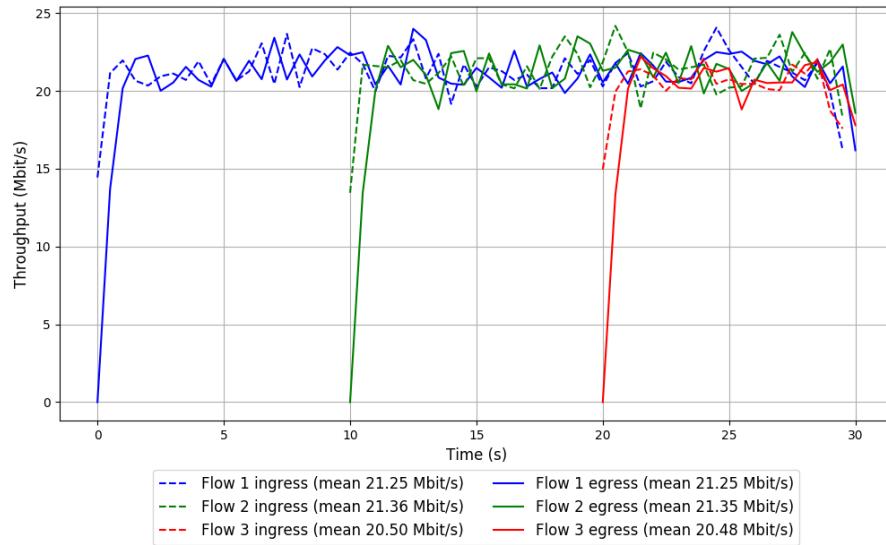


Run 4: Statistics of Sprout

```
Start at: 2018-05-30 17:09:21
End at: 2018-05-30 17:09:51
Local clock offset: 0.454 ms
Remote clock offset: 0.308 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.21 Mbit/s
95th percentile per-packet one-way delay: 20.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 20.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 20.338 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 22.128 ms
Loss rate: 0.02%
```

Run 4: Report of Sprout — Data Link

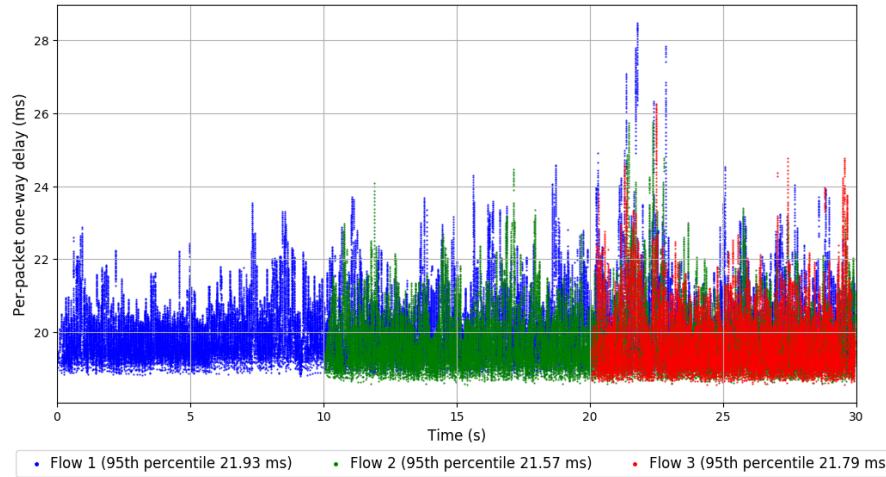
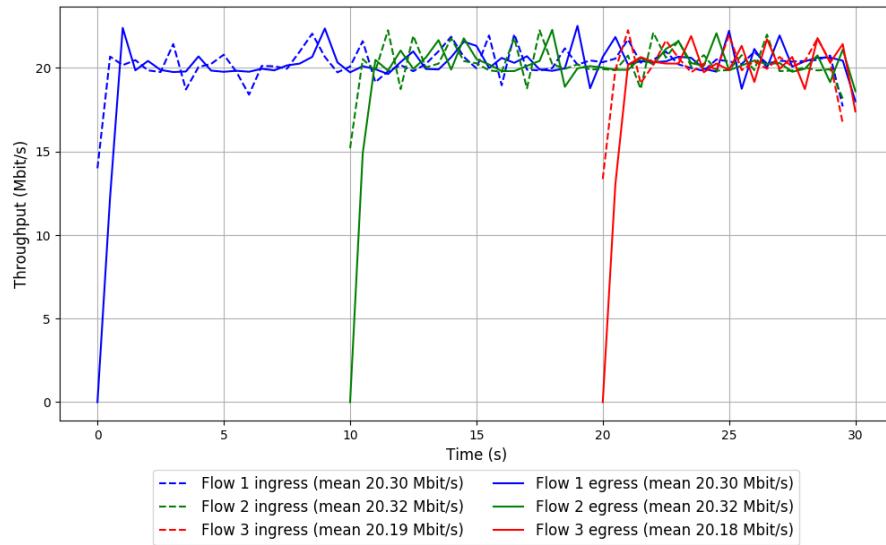


Run 5: Statistics of Sprout

```
Start at: 2018-05-30 17:34:50
End at: 2018-05-30 17:35:20
Local clock offset: 0.038 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 21.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 21.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 21.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

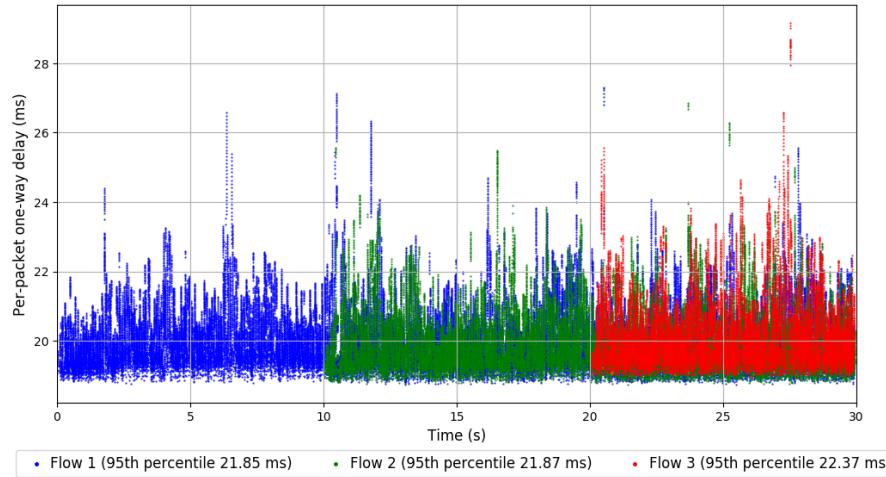
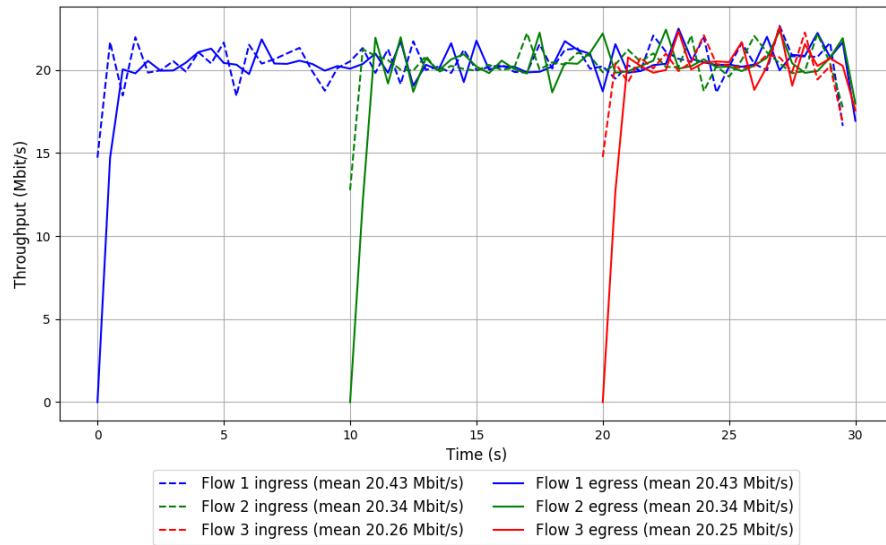


Run 6: Statistics of Sprout

```
Start at: 2018-05-30 18:00:28
End at: 2018-05-30 18:00:58
Local clock offset: -0.135 ms
Remote clock offset: -0.384 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 21.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 21.848 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 21.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 22.374 ms
Loss rate: 0.01%
```

Run 6: Report of Sprout — Data Link

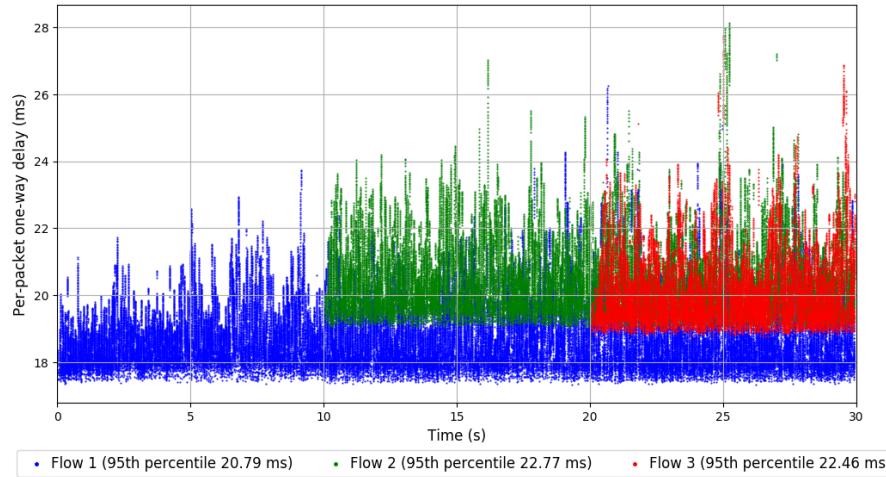
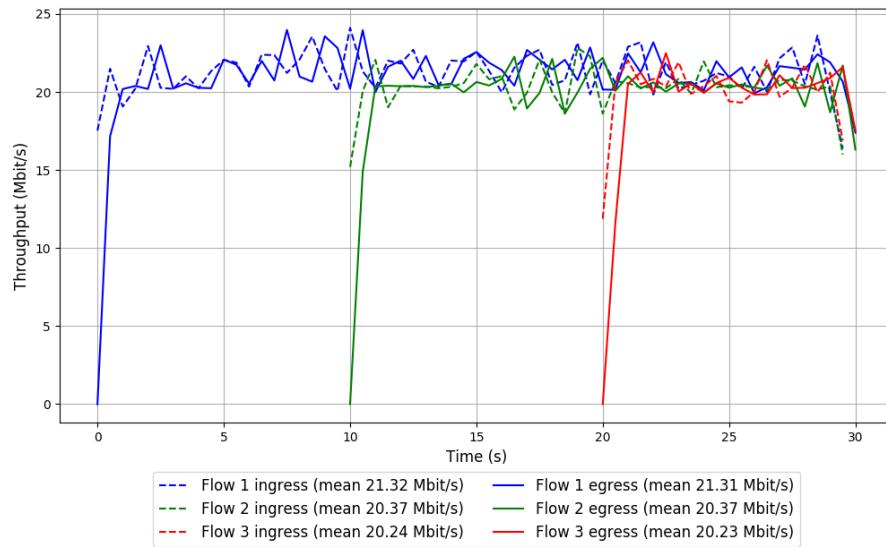


Run 7: Statistics of Sprout

```
Start at: 2018-05-30 18:26:00
End at: 2018-05-30 18:26:30
Local clock offset: 0.007 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 22.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 20.789 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 22.774 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

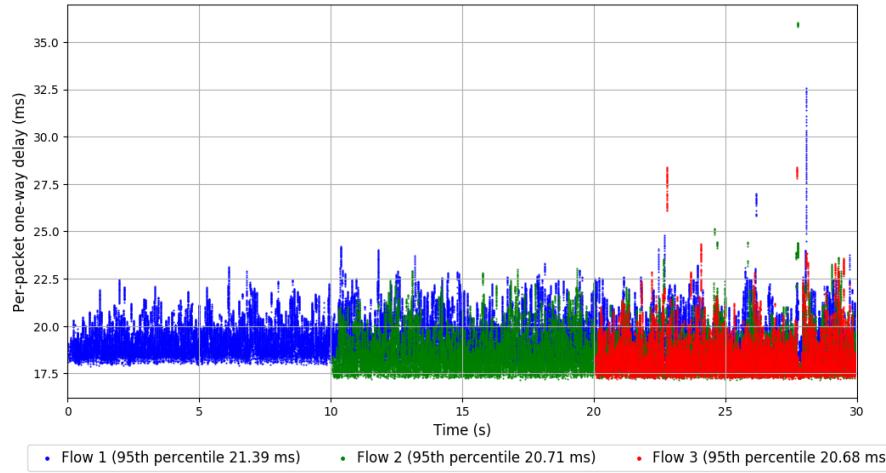
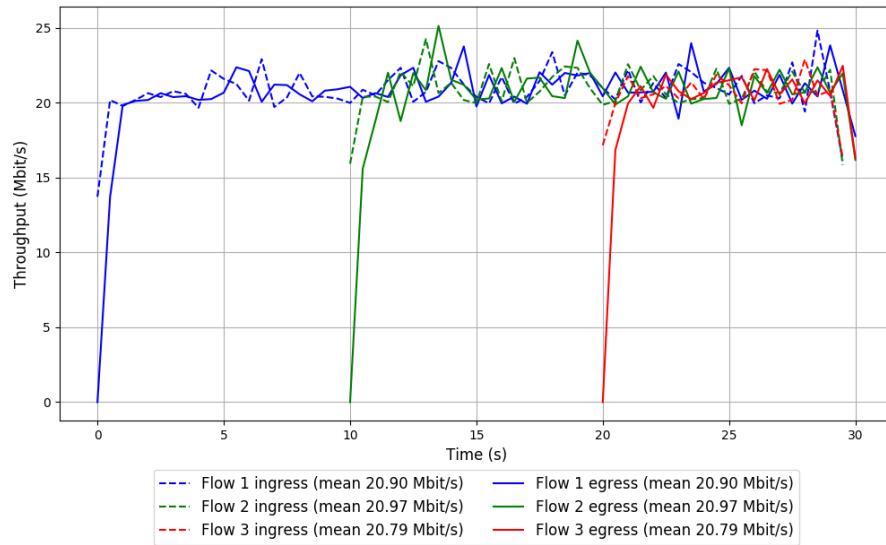


Run 8: Statistics of Sprout

```
Start at: 2018-05-30 18:51:37
End at: 2018-05-30 18:52:07
Local clock offset: 0.343 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 21.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 21.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 20.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 20.675 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

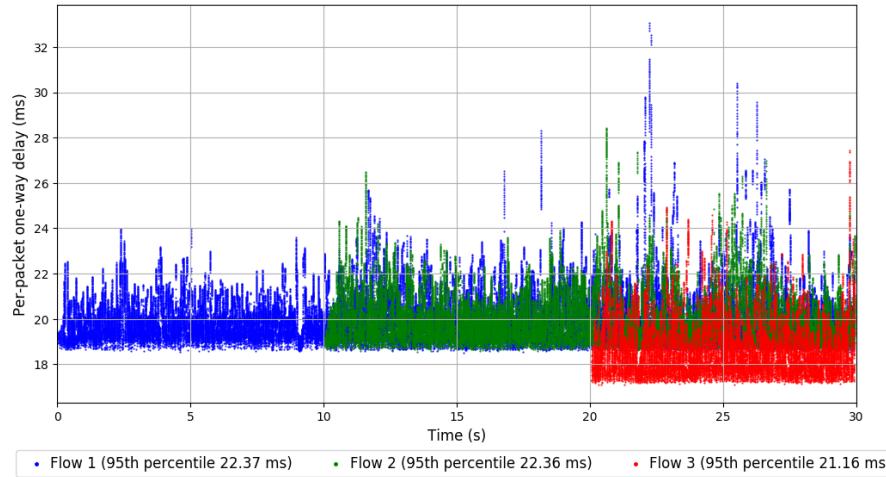
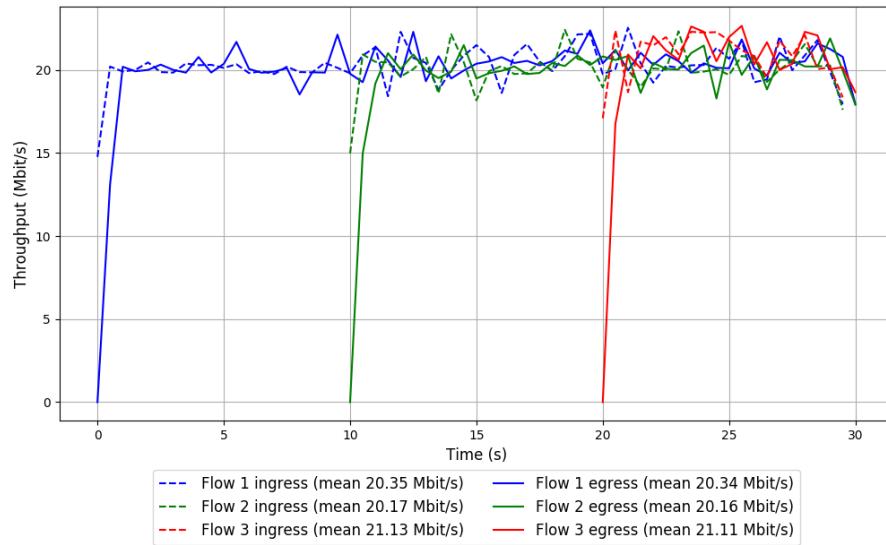


Run 9: Statistics of Sprout

```
Start at: 2018-05-30 19:17:08
End at: 2018-05-30 19:17:38
Local clock offset: -0.638 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 22.249 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 22.371 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 22.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 21.157 ms
Loss rate: 0.08%
```

Run 9: Report of Sprout — Data Link

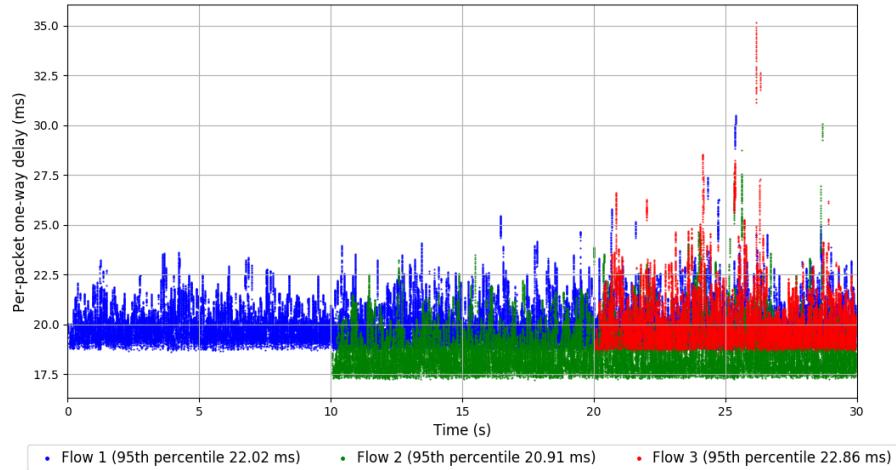
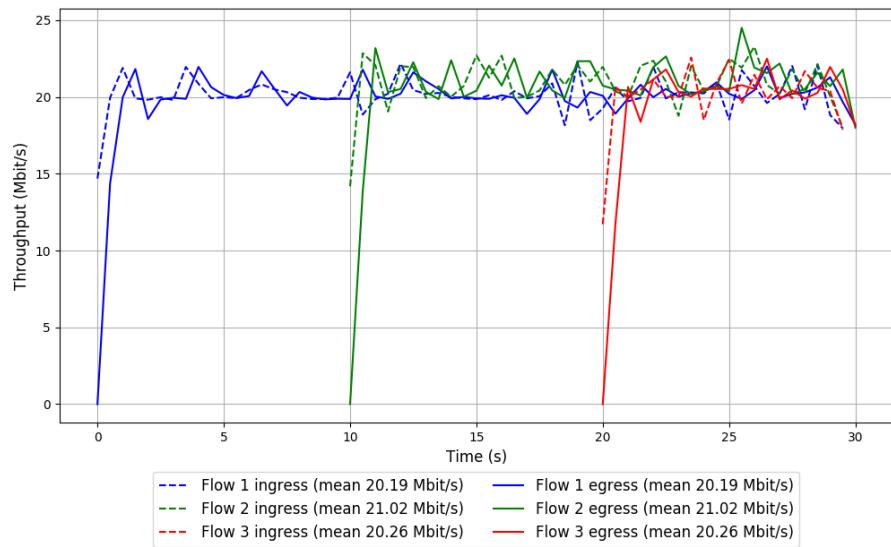


Run 10: Statistics of Sprout

```
Start at: 2018-05-30 19:42:47
End at: 2018-05-30 19:43:17
Local clock offset: -1.249 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-05-30 21:53:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 21.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 20.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 22.855 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

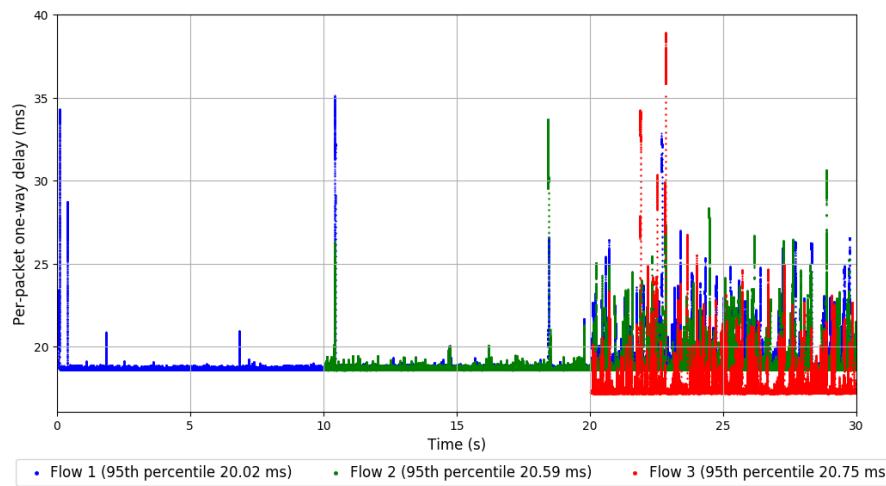
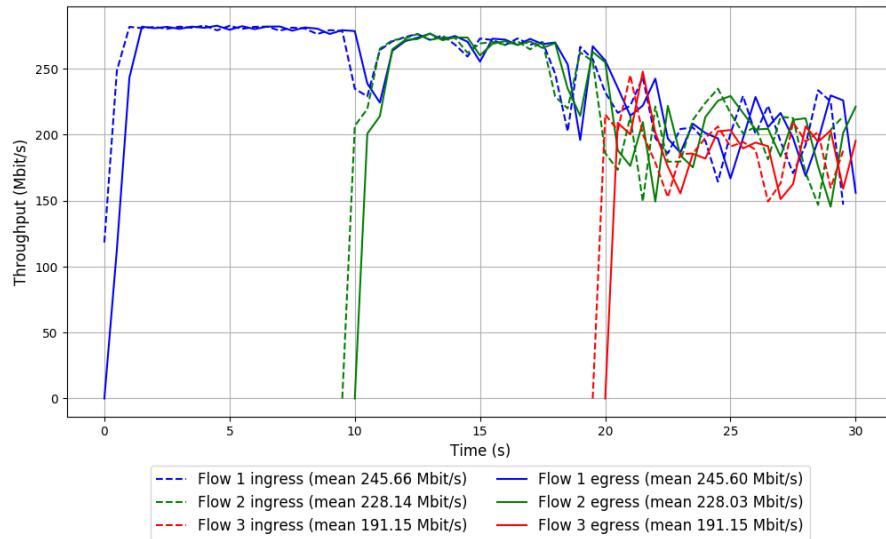


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-30 15:49:05
End at: 2018-05-30 15:49:35
Local clock offset: 0.119 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2018-05-30 22:00:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.21 Mbit/s
95th percentile per-packet one-way delay: 20.318 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 245.60 Mbit/s
95th percentile per-packet one-way delay: 20.020 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 228.03 Mbit/s
95th percentile per-packet one-way delay: 20.587 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 191.15 Mbit/s
95th percentile per-packet one-way delay: 20.748 ms
Loss rate: 0.00%
```

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

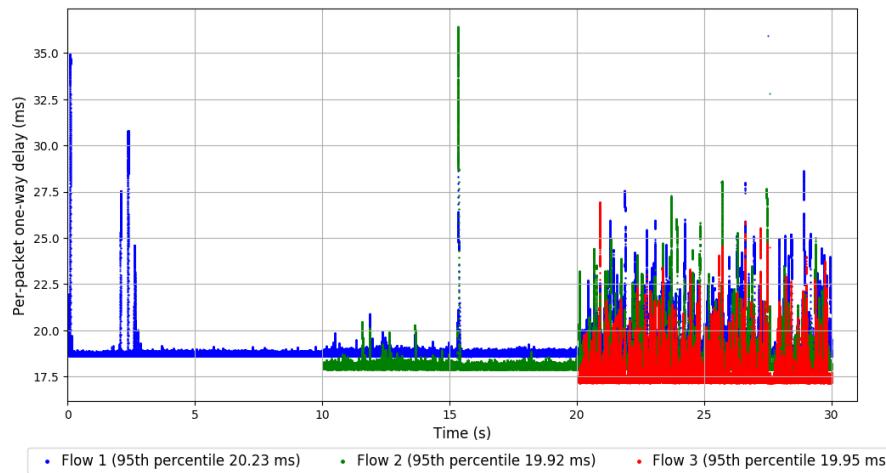
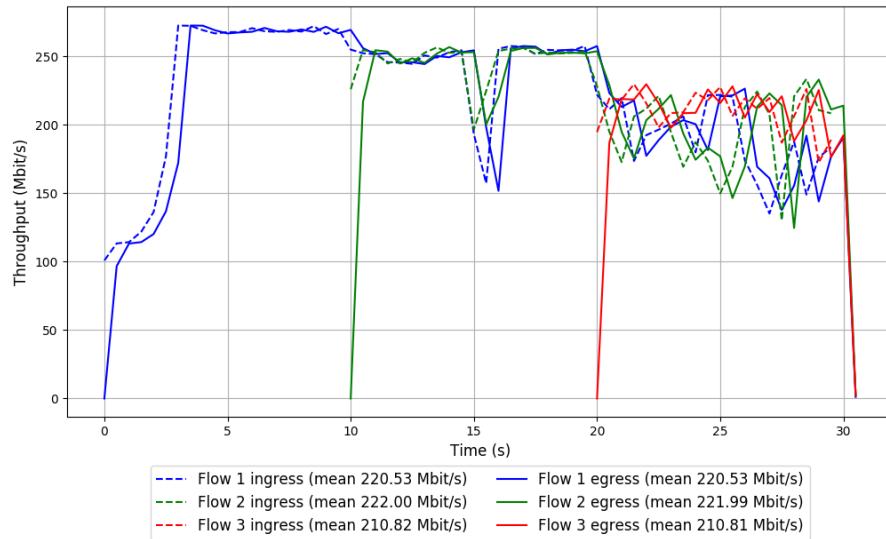


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-30 16:14:19
End at: 2018-05-30 16:14:49
Local clock offset: 0.091 ms
Remote clock offset: -0.486 ms

# Below is generated by plot.py at 2018-05-30 22:00:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 438.48 Mbit/s
95th percentile per-packet one-way delay: 20.064 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 220.53 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.99 Mbit/s
95th percentile per-packet one-way delay: 19.918 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 210.81 Mbit/s
95th percentile per-packet one-way delay: 19.954 ms
Loss rate: 0.01%
```

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

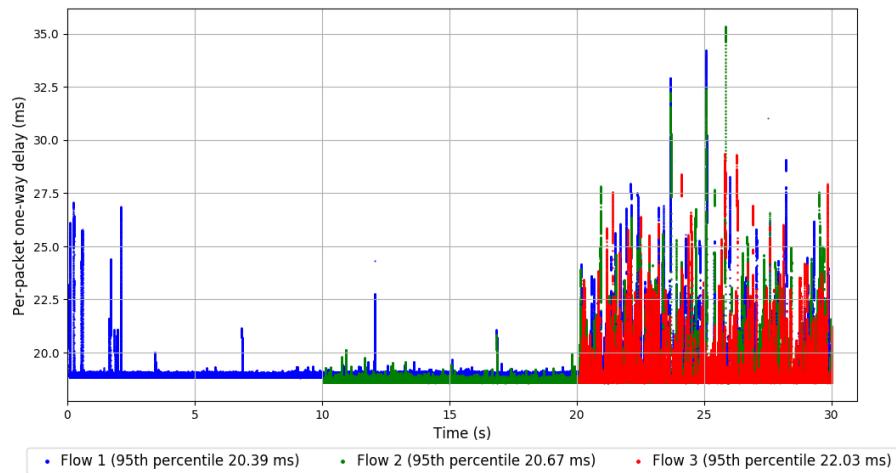
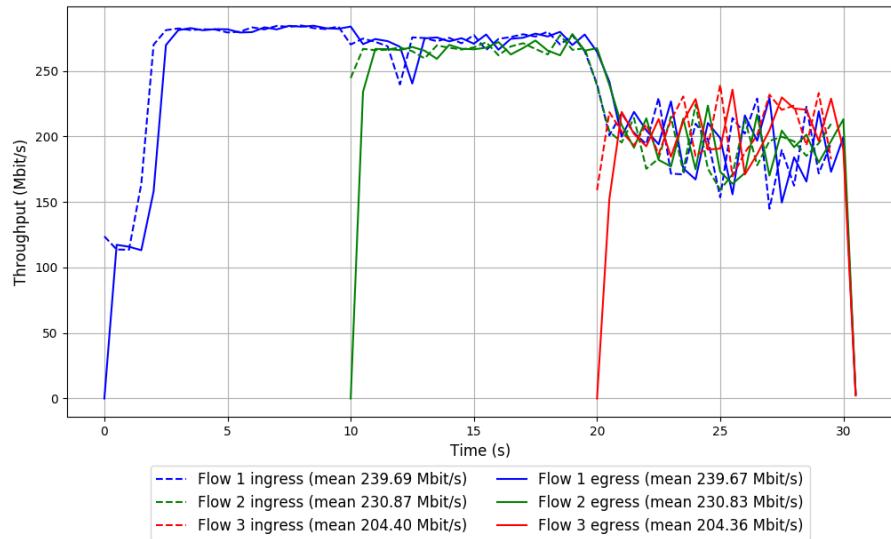


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-30 16:39:57
End at: 2018-05-30 16:40:27
Local clock offset: 0.189 ms
Remote clock offset: 0.452 ms

# Below is generated by plot.py at 2018-05-30 22:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 461.33 Mbit/s
95th percentile per-packet one-way delay: 20.920 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 239.67 Mbit/s
95th percentile per-packet one-way delay: 20.391 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 230.83 Mbit/s
95th percentile per-packet one-way delay: 20.668 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 204.36 Mbit/s
95th percentile per-packet one-way delay: 22.026 ms
Loss rate: 0.02%
```

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

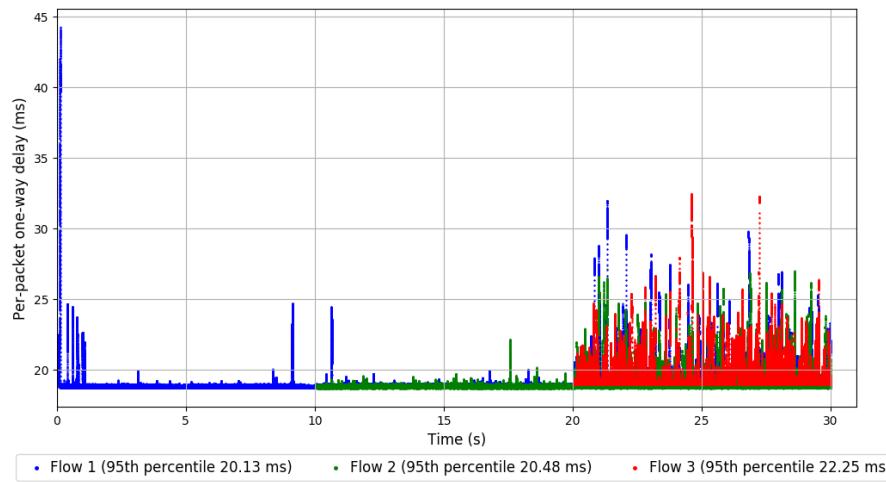
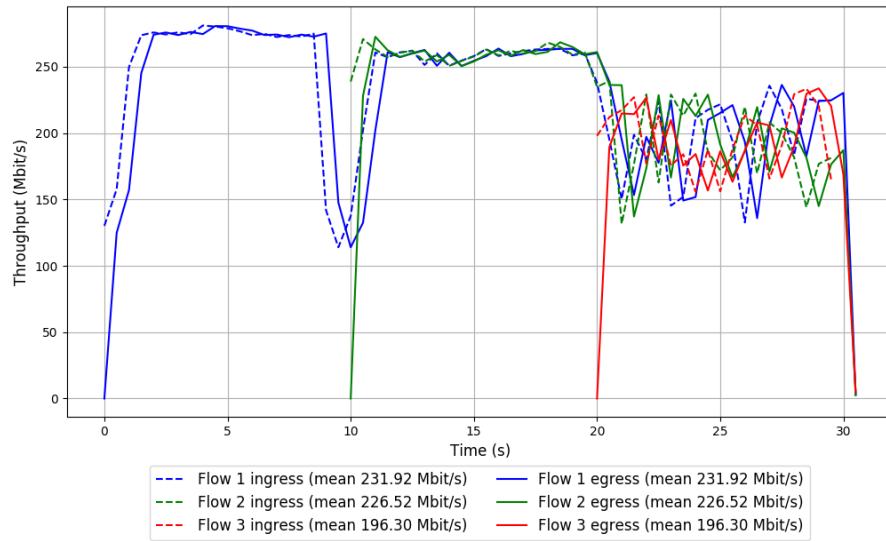


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-30 17:05:52
End at: 2018-05-30 17:06:22
Local clock offset: 0.351 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2018-05-30 22:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.08 Mbit/s
95th percentile per-packet one-way delay: 20.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.92 Mbit/s
95th percentile per-packet one-way delay: 20.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 226.52 Mbit/s
95th percentile per-packet one-way delay: 20.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.30 Mbit/s
95th percentile per-packet one-way delay: 22.246 ms
Loss rate: 0.00%
```

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

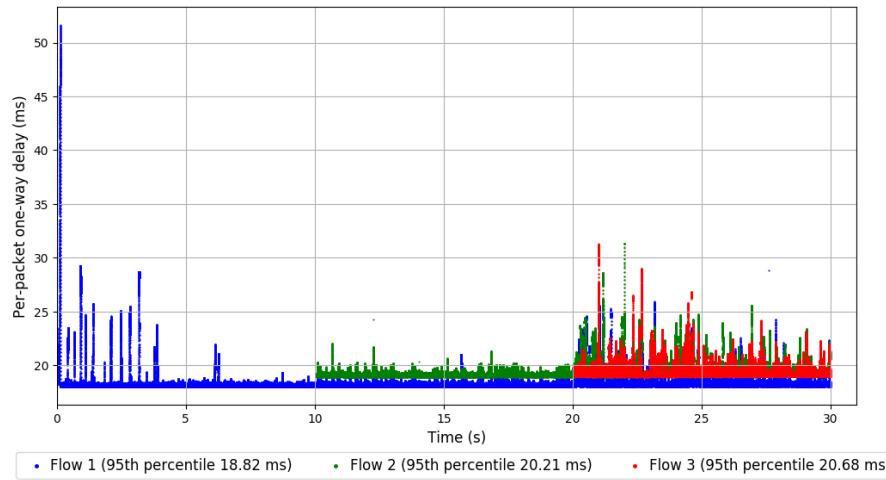
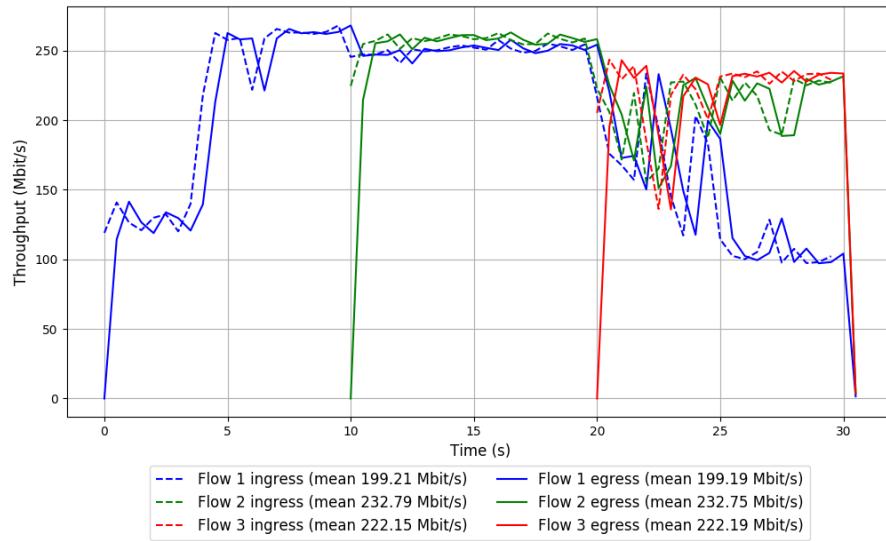


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-30 17:31:21
End at: 2018-05-30 17:31:51
Local clock offset: 0.033 ms
Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-05-30 22:00:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.03 Mbit/s
95th percentile per-packet one-way delay: 20.040 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.19 Mbit/s
95th percentile per-packet one-way delay: 18.815 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 232.75 Mbit/s
95th percentile per-packet one-way delay: 20.214 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 222.19 Mbit/s
95th percentile per-packet one-way delay: 20.675 ms
Loss rate: 0.01%
```

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

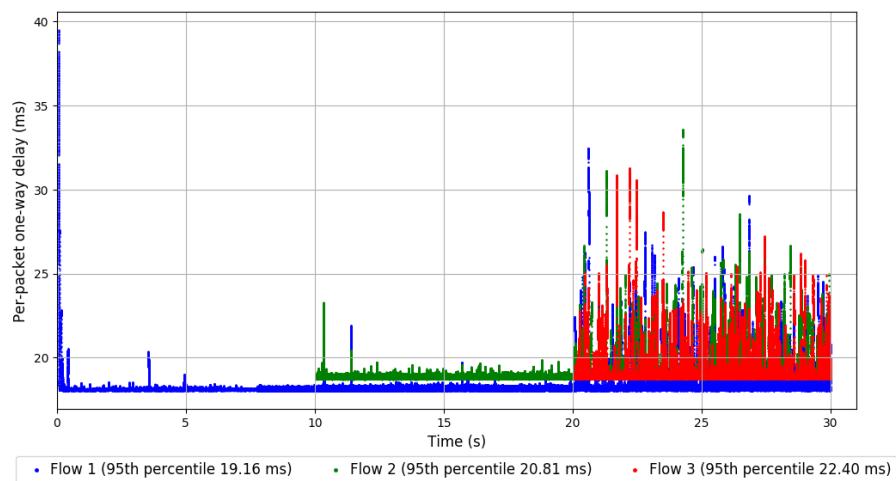
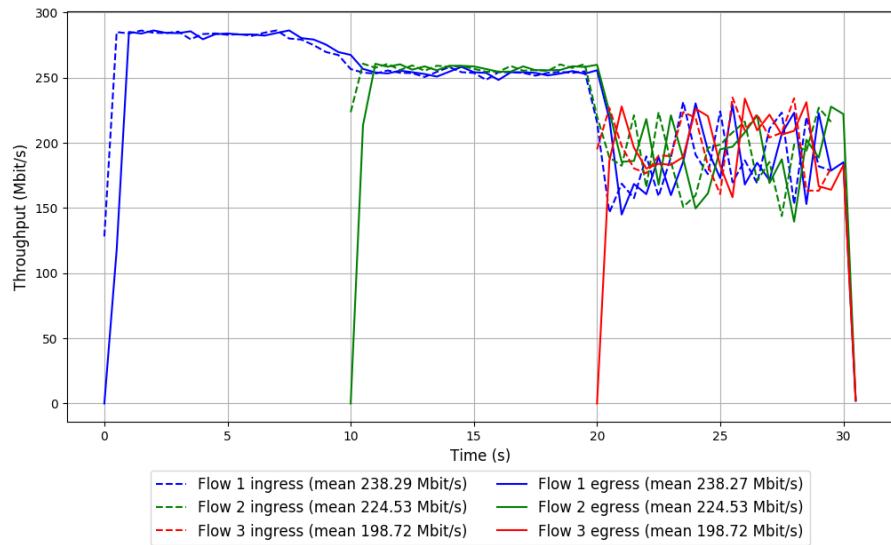


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-30 17:56:56
End at: 2018-05-30 17:57:26
Local clock offset: -0.219 ms
Remote clock offset: -0.424 ms

# Below is generated by plot.py at 2018-05-30 22:03:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.90 Mbit/s
95th percentile per-packet one-way delay: 20.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.27 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.53 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.72 Mbit/s
95th percentile per-packet one-way delay: 22.398 ms
Loss rate: 0.00%
```

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

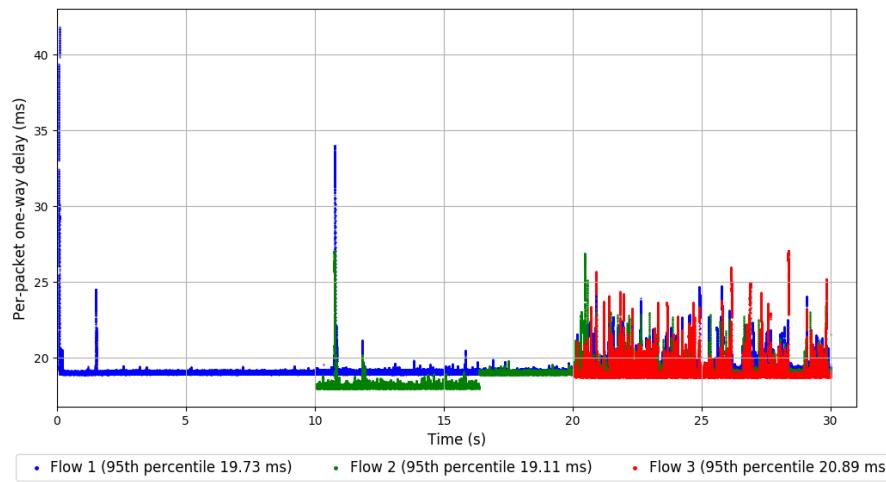
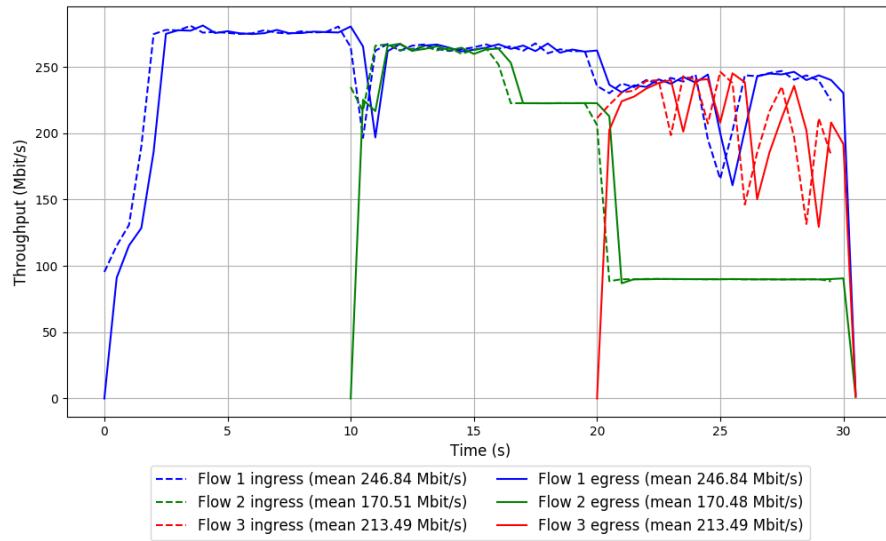


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-30 18:22:30
End at: 2018-05-30 18:23:00
Local clock offset: -0.054 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-30 22:03:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.37 Mbit/s
95th percentile per-packet one-way delay: 19.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.84 Mbit/s
95th percentile per-packet one-way delay: 19.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 170.48 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 213.49 Mbit/s
95th percentile per-packet one-way delay: 20.892 ms
Loss rate: 0.00%
```

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

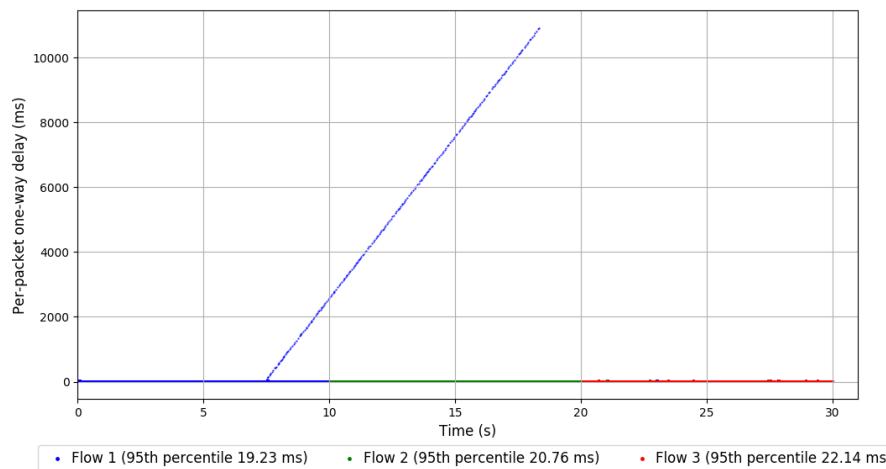
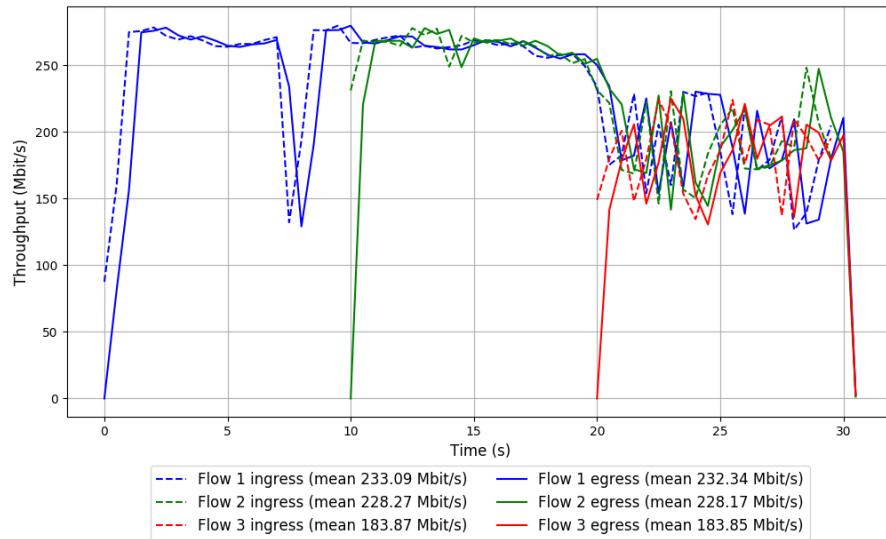


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-30 18:48:05
End at: 2018-05-30 18:48:35
Local clock offset: 0.351 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-30 22:04:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.36 Mbit/s
95th percentile per-packet one-way delay: 20.515 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 232.34 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 228.17 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 183.85 Mbit/s
95th percentile per-packet one-way delay: 22.138 ms
Loss rate: 0.01%
```

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

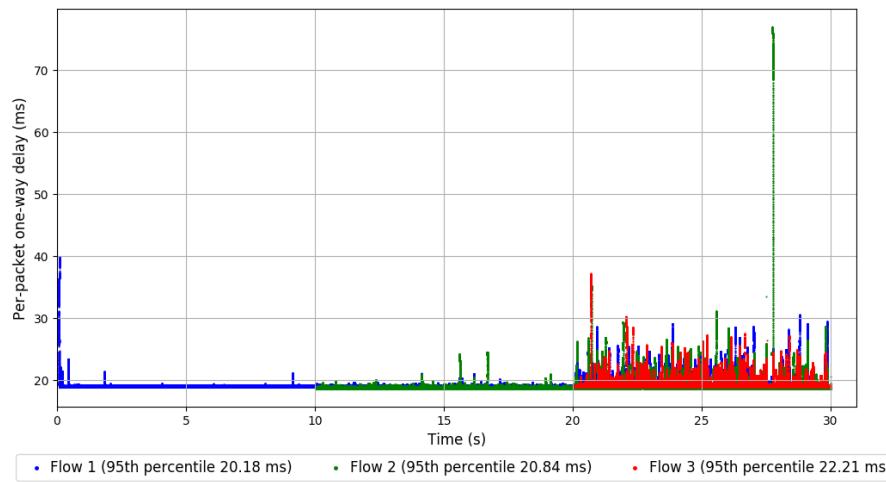
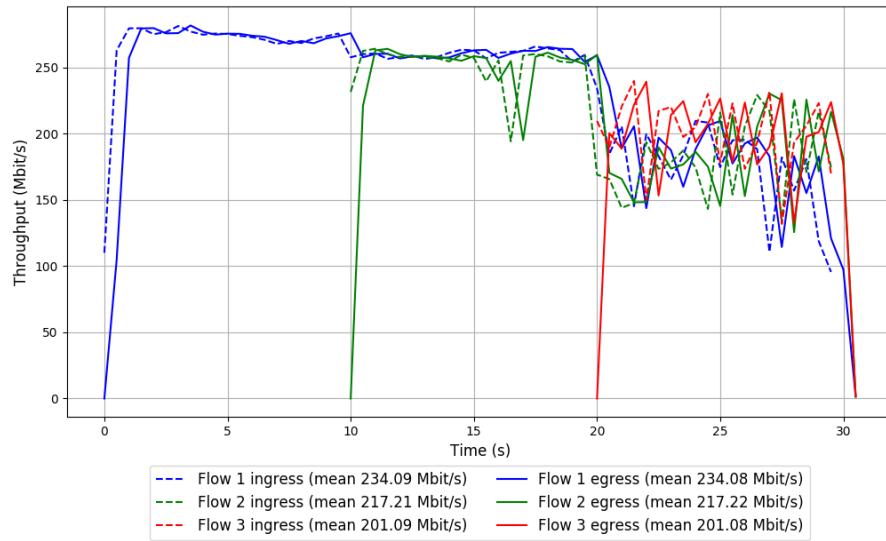


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-30 19:13:39
End at: 2018-05-30 19:14:09
Local clock offset: -0.517 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 445.55 Mbit/s
95th percentile per-packet one-way delay: 20.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.08 Mbit/s
95th percentile per-packet one-way delay: 20.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 217.22 Mbit/s
95th percentile per-packet one-way delay: 20.843 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 201.08 Mbit/s
95th percentile per-packet one-way delay: 22.207 ms
Loss rate: 0.01%
```

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

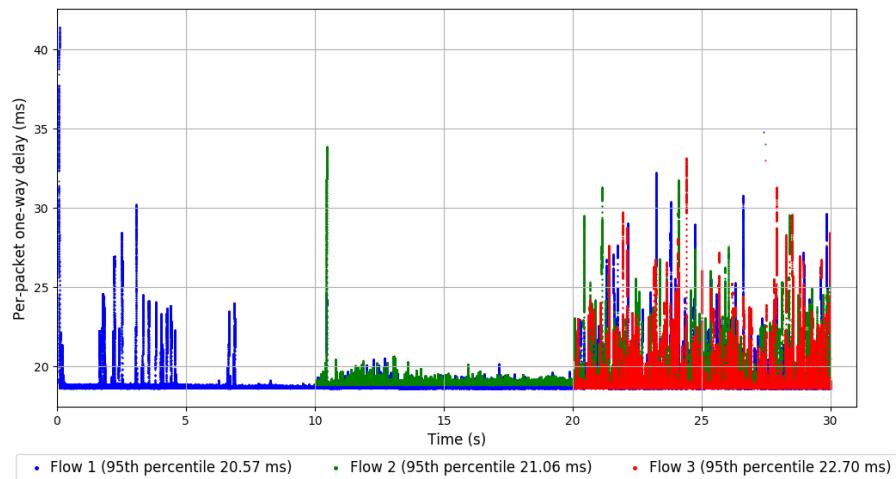
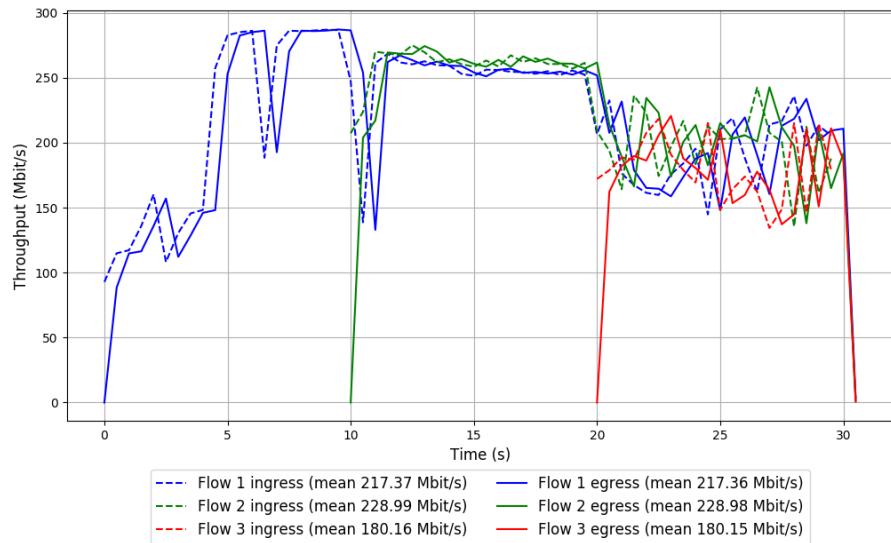


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-30 19:39:17
End at: 2018-05-30 19:39:47
Local clock offset: -1.149 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.83 Mbit/s
95th percentile per-packet one-way delay: 21.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.36 Mbit/s
95th percentile per-packet one-way delay: 20.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.98 Mbit/s
95th percentile per-packet one-way delay: 21.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 180.15 Mbit/s
95th percentile per-packet one-way delay: 22.696 ms
Loss rate: 0.00%
```

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

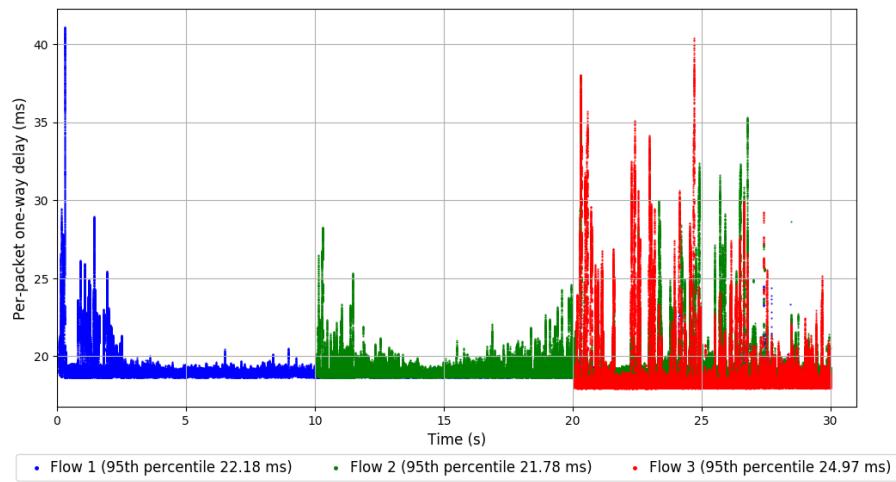
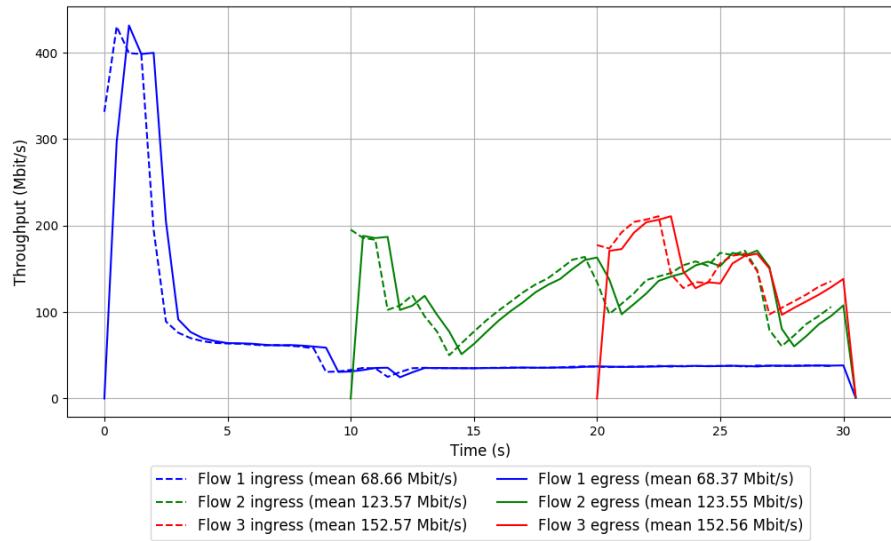


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-30 15:57:19
End at: 2018-05-30 15:57:49
Local clock offset: 0.095 ms
Remote clock offset: -0.499 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 22.569 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 123.55 Mbit/s
95th percentile per-packet one-way delay: 21.777 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 152.56 Mbit/s
95th percentile per-packet one-way delay: 24.972 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link

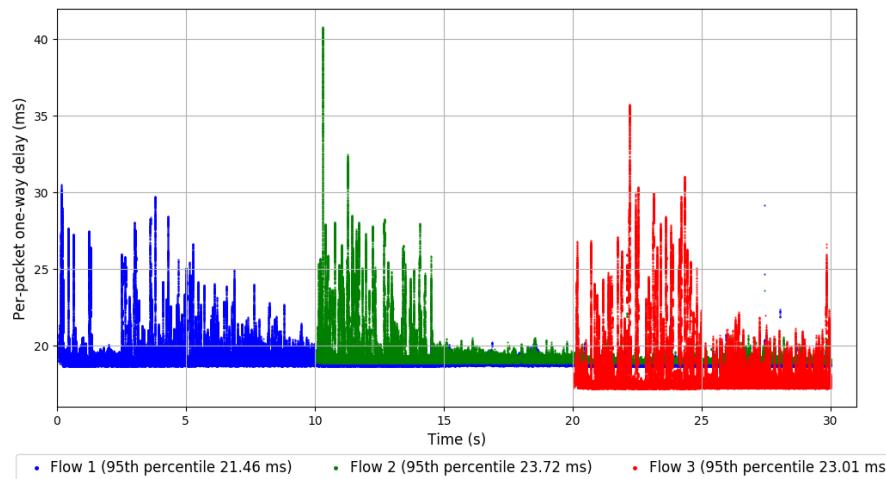
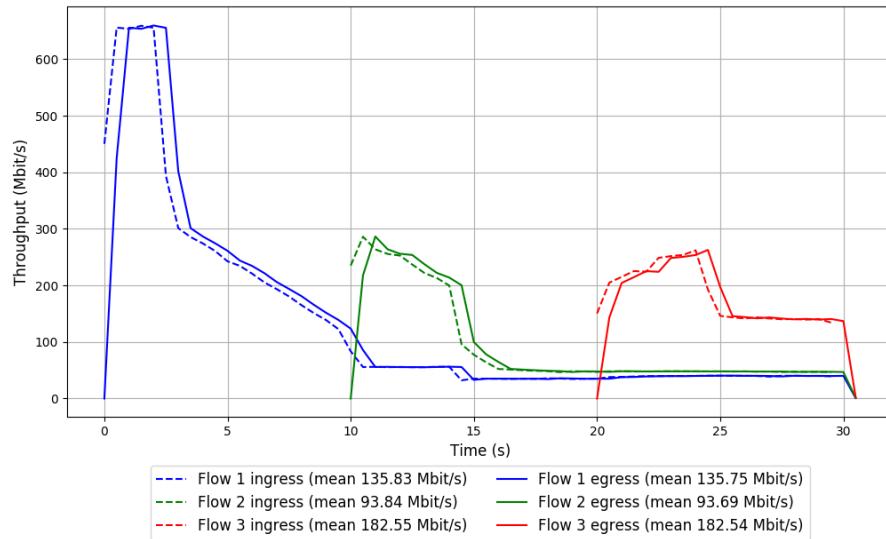


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-30 16:22:36
End at: 2018-05-30 16:23:06
Local clock offset: 0.058 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.86 Mbit/s
95th percentile per-packet one-way delay: 22.513 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 135.75 Mbit/s
95th percentile per-packet one-way delay: 21.458 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 23.719 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 182.54 Mbit/s
95th percentile per-packet one-way delay: 23.014 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

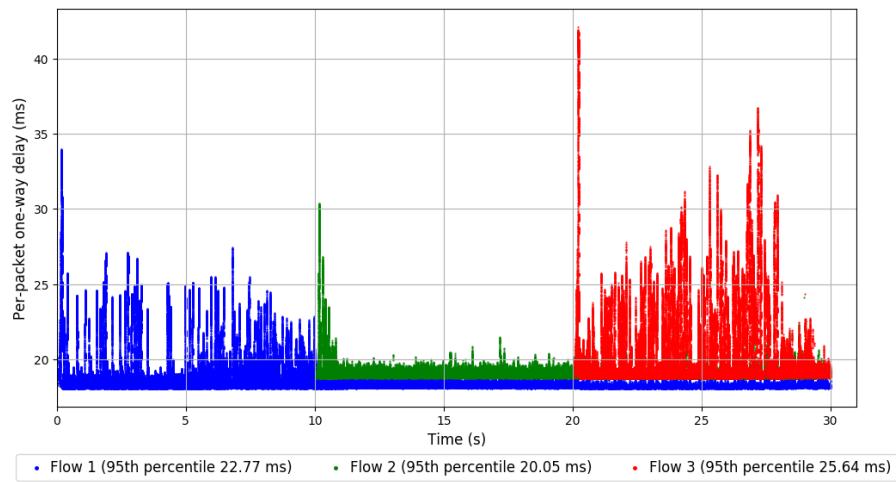
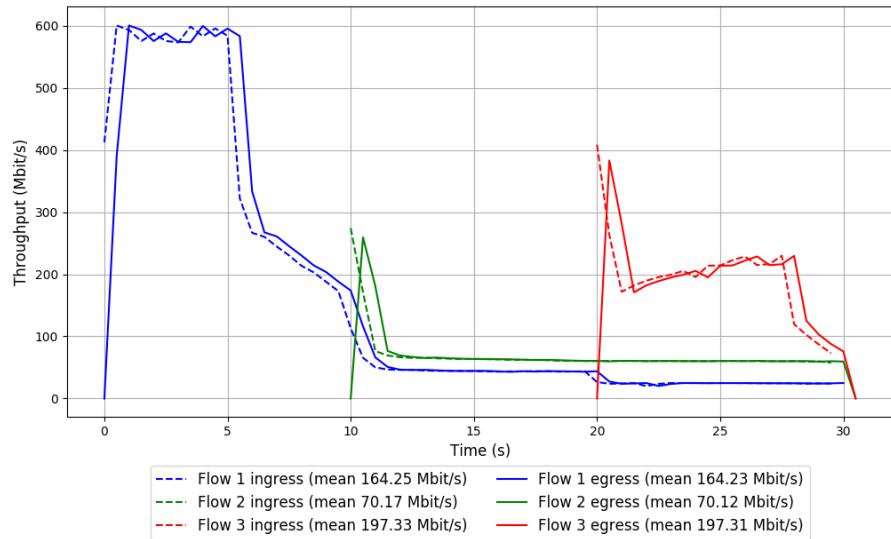


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-30 16:48:27
End at: 2018-05-30 16:48:57
Local clock offset: 0.071 ms
Remote clock offset: 0.709 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.46 Mbit/s
95th percentile per-packet one-way delay: 23.395 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 164.23 Mbit/s
95th percentile per-packet one-way delay: 22.770 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 20.046 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 197.31 Mbit/s
95th percentile per-packet one-way delay: 25.639 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

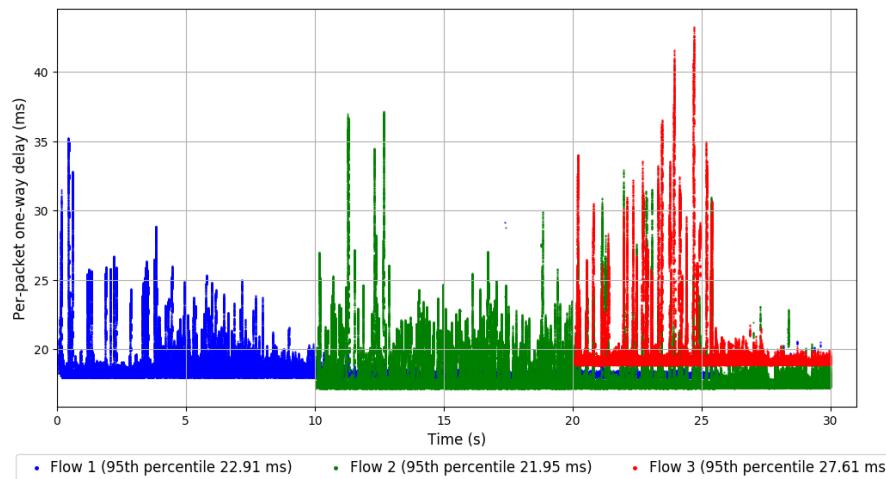
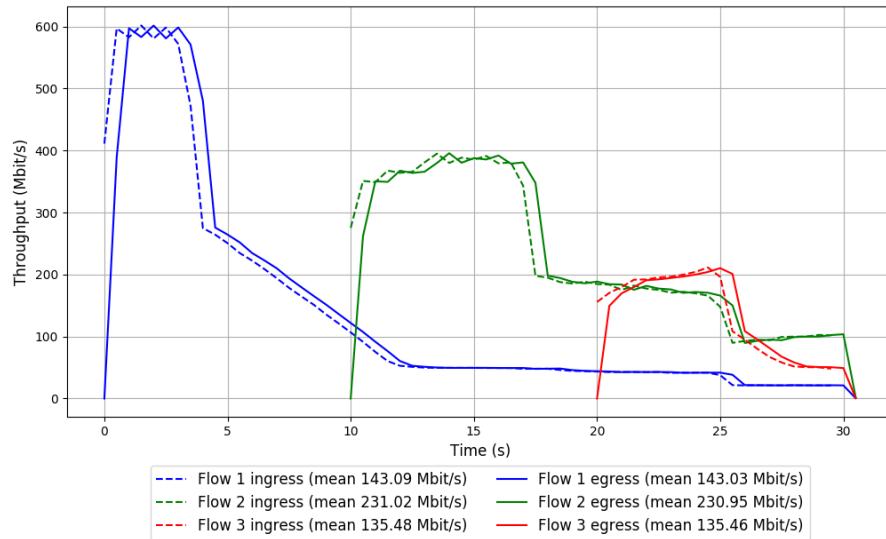


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-30 17:14:07
End at: 2018-05-30 17:14:37
Local clock offset: 0.472 ms
Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 341.97 Mbit/s
95th percentile per-packet one-way delay: 22.986 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 143.03 Mbit/s
95th percentile per-packet one-way delay: 22.905 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 21.955 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 135.46 Mbit/s
95th percentile per-packet one-way delay: 27.607 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

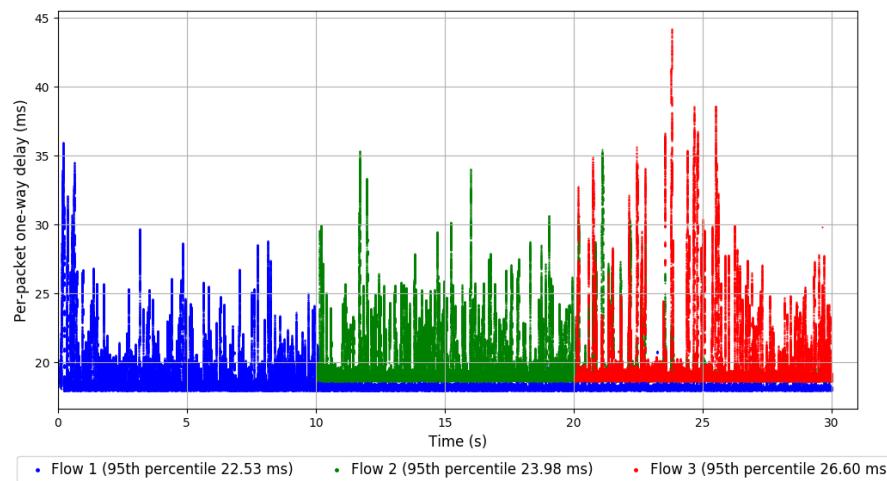
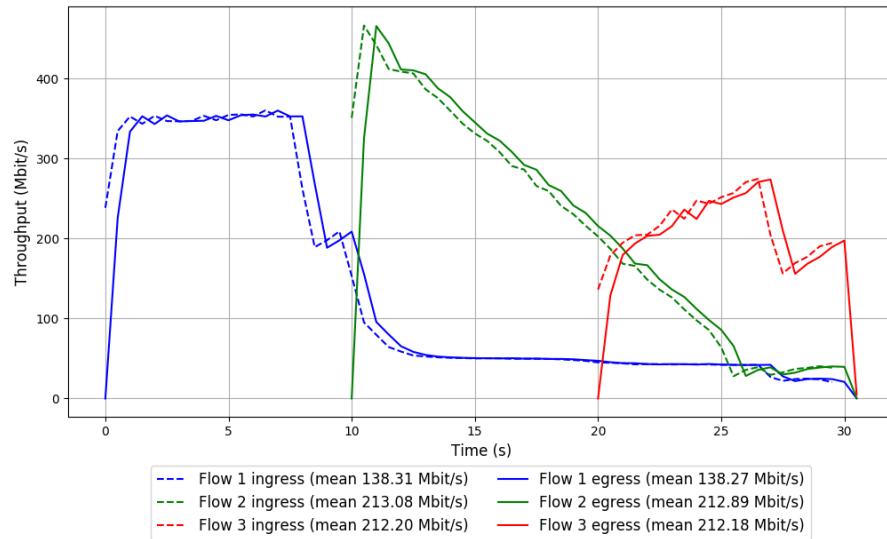


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-30 17:39:41
End at: 2018-05-30 17:40:11
Local clock offset: -0.074 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.59 Mbit/s
95th percentile per-packet one-way delay: 23.871 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 22.530 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 212.89 Mbit/s
95th percentile per-packet one-way delay: 23.981 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 26.600 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

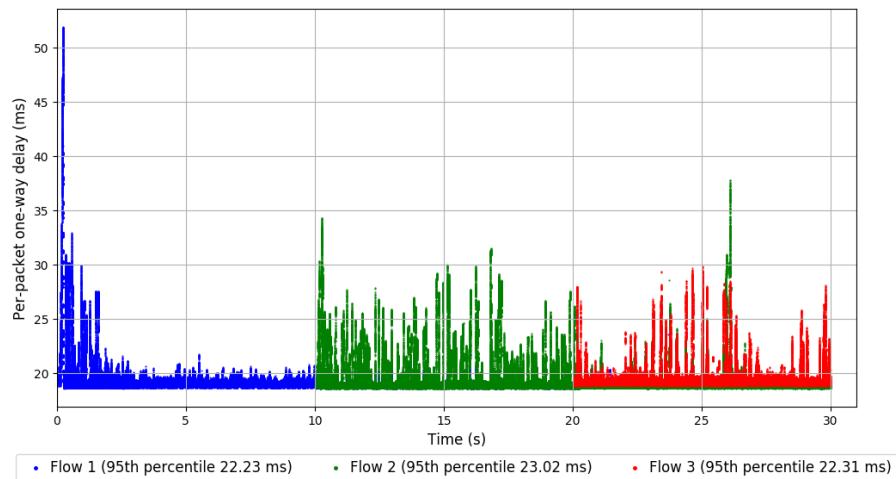
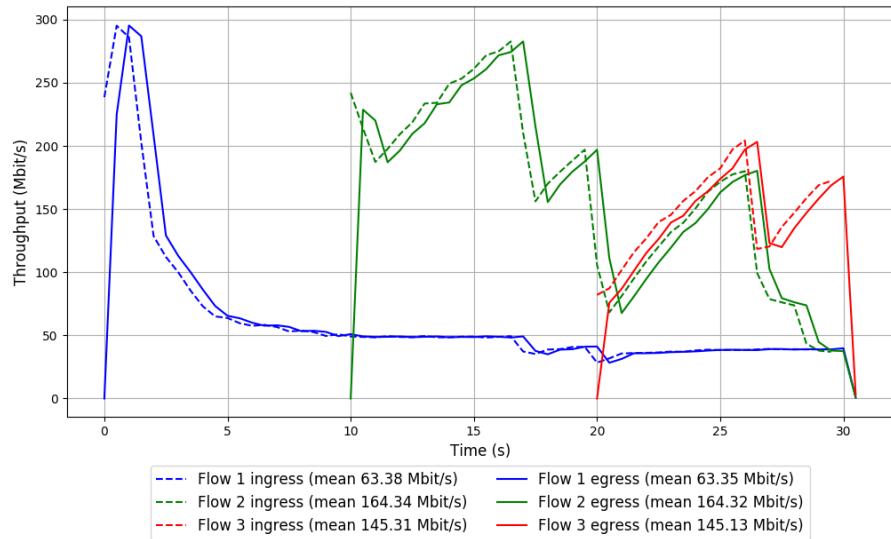


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-30 18:05:10
End at: 2018-05-30 18:05:40
Local clock offset: -0.072 ms
Remote clock offset: -0.356 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 22.720 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 22.227 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 164.32 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 145.13 Mbit/s
95th percentile per-packet one-way delay: 22.314 ms
Loss rate: 0.11%
```

Run 6: Report of TCP Vegas — Data Link

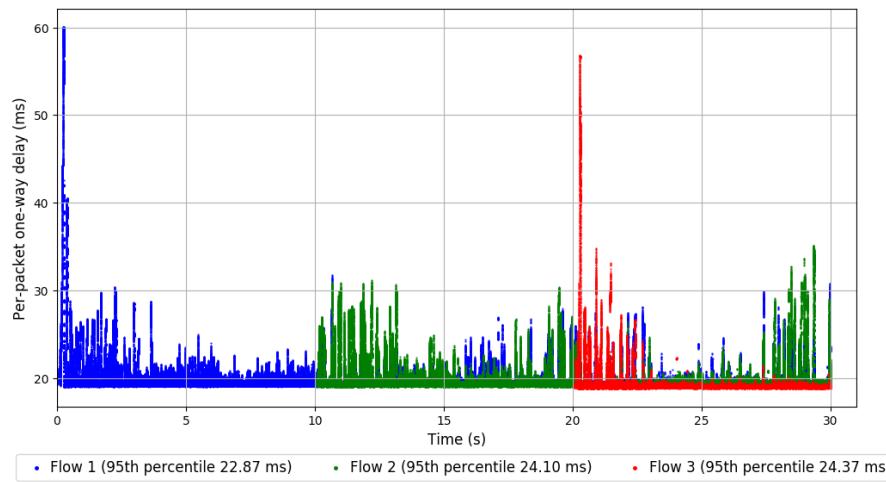
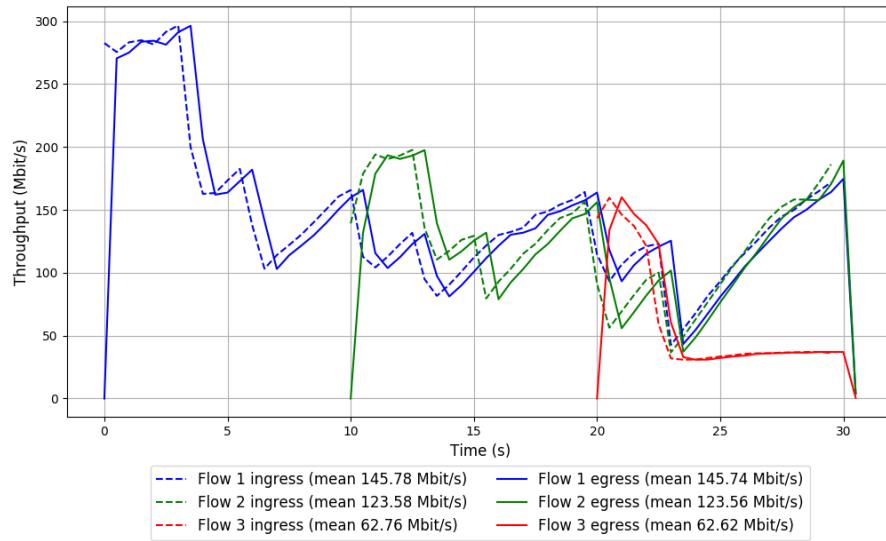


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-30 18:30:47
End at: 2018-05-30 18:31:17
Local clock offset: 0.129 ms
Remote clock offset: 0.182 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.87 Mbit/s
95th percentile per-packet one-way delay: 23.463 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 145.74 Mbit/s
95th percentile per-packet one-way delay: 22.870 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 123.56 Mbit/s
95th percentile per-packet one-way delay: 24.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 24.372 ms
Loss rate: 0.23%
```

Run 7: Report of TCP Vegas — Data Link

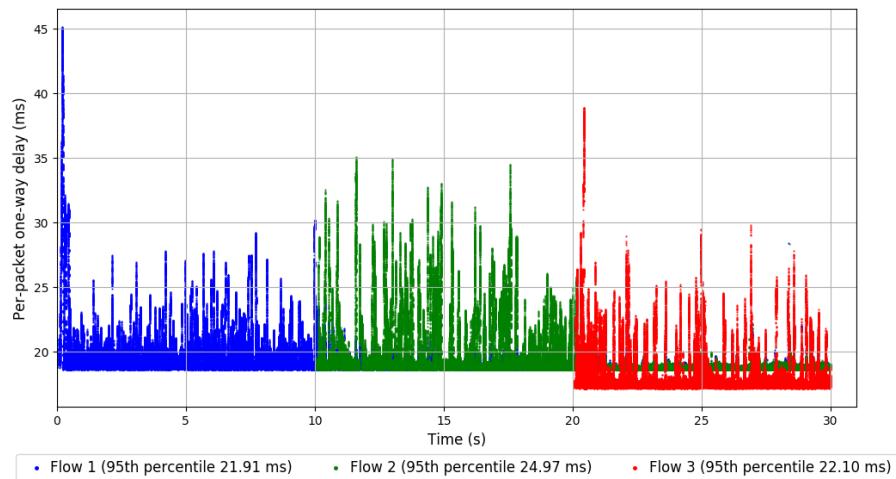
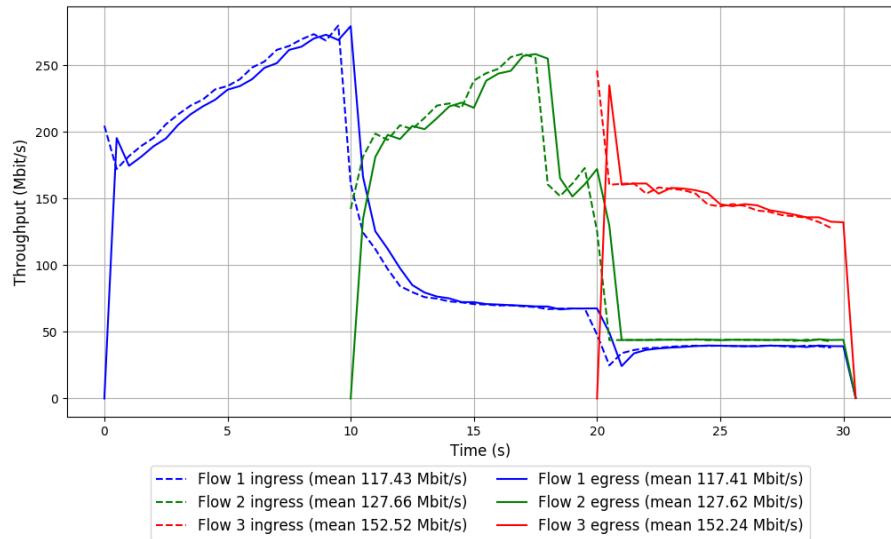


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-30 18:56:25
End at: 2018-05-30 18:56:55
Local clock offset: 0.095 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.02 Mbit/s
95th percentile per-packet one-way delay: 23.140 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: 21.912 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 127.62 Mbit/s
95th percentile per-packet one-way delay: 24.969 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 152.24 Mbit/s
95th percentile per-packet one-way delay: 22.101 ms
Loss rate: 0.17%
```

Run 8: Report of TCP Vegas — Data Link

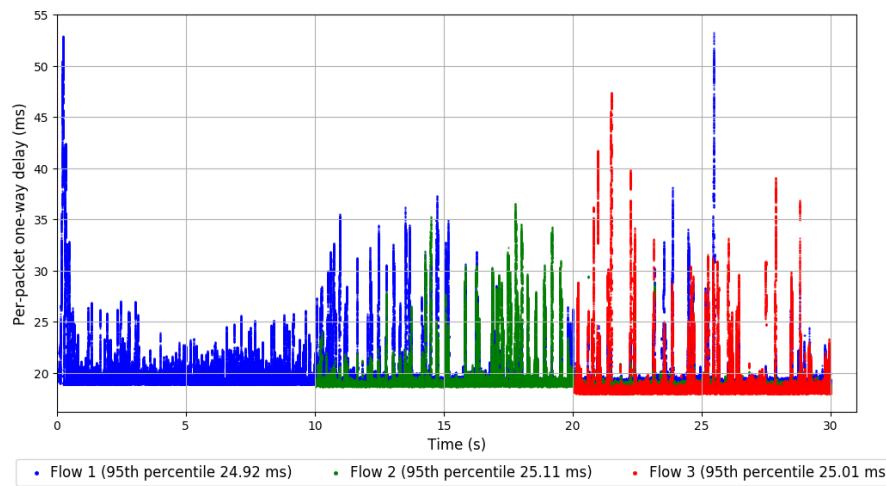
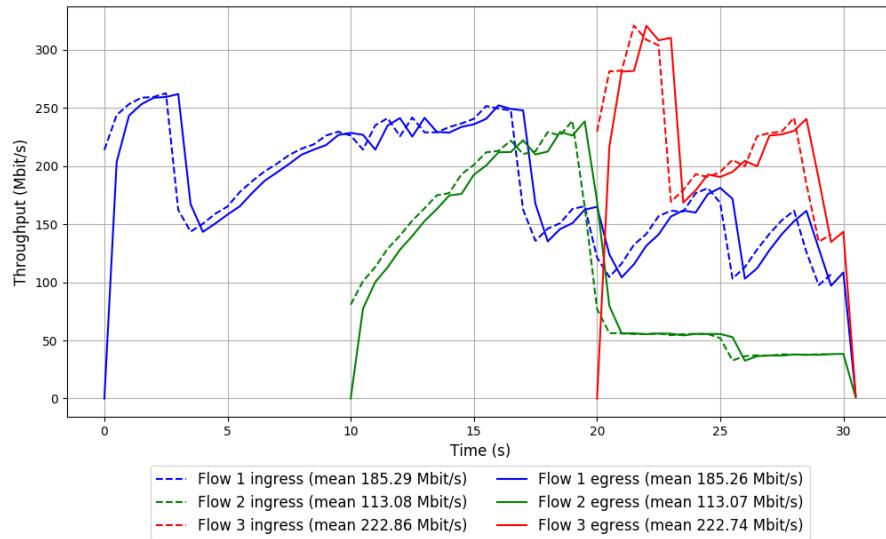


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-30 19:21:55
End at: 2018-05-30 19:22:25
Local clock offset: -0.881 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.67 Mbit/s
95th percentile per-packet one-way delay: 24.982 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 185.26 Mbit/s
95th percentile per-packet one-way delay: 24.920 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 113.07 Mbit/s
95th percentile per-packet one-way delay: 25.113 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 222.74 Mbit/s
95th percentile per-packet one-way delay: 25.014 ms
Loss rate: 0.05%
```

Run 9: Report of TCP Vegas — Data Link

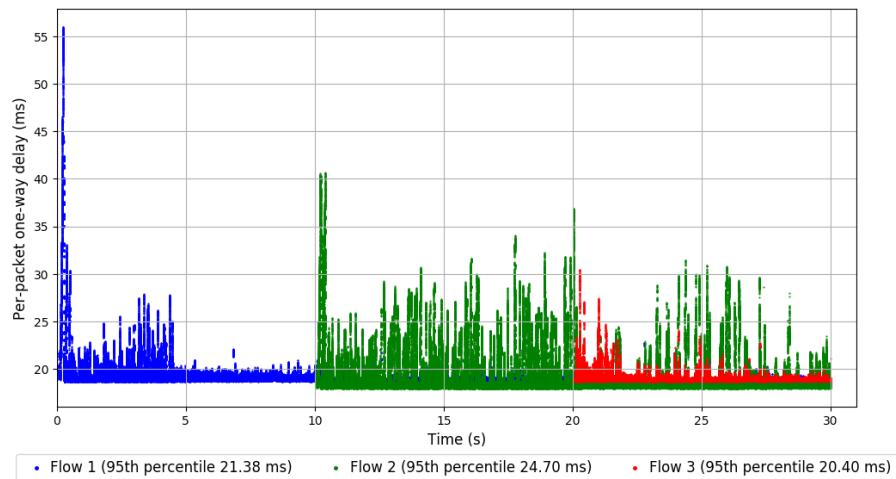
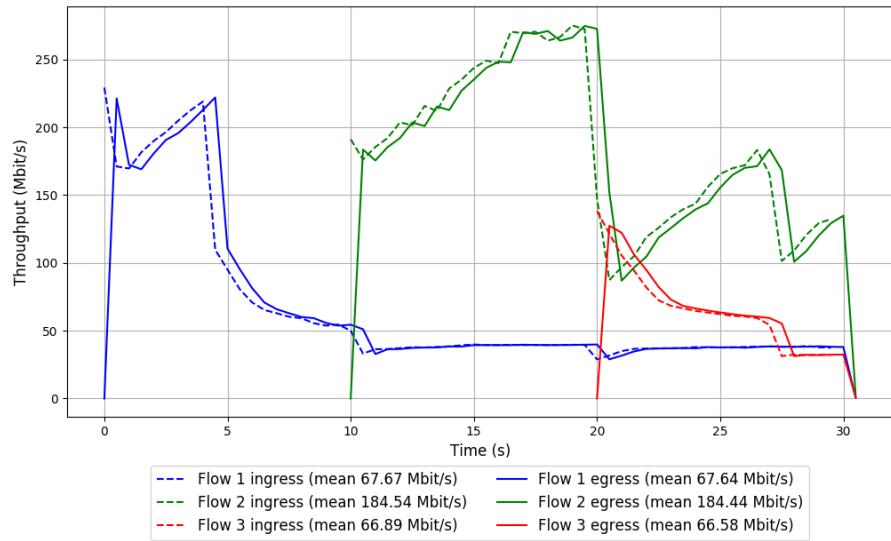


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-30 19:47:31
End at: 2018-05-30 19:48:01
Local clock offset: -1.354 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-05-30 22:10:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.65 Mbit/s
95th percentile per-packet one-way delay: 23.692 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 21.379 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 184.44 Mbit/s
95th percentile per-packet one-way delay: 24.703 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 20.403 ms
Loss rate: 0.45%
```

Run 10: Report of TCP Vegas — Data Link

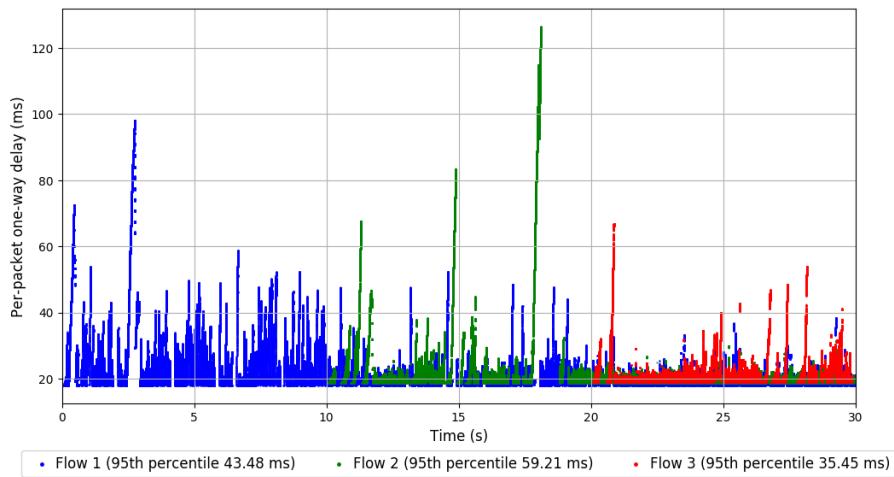
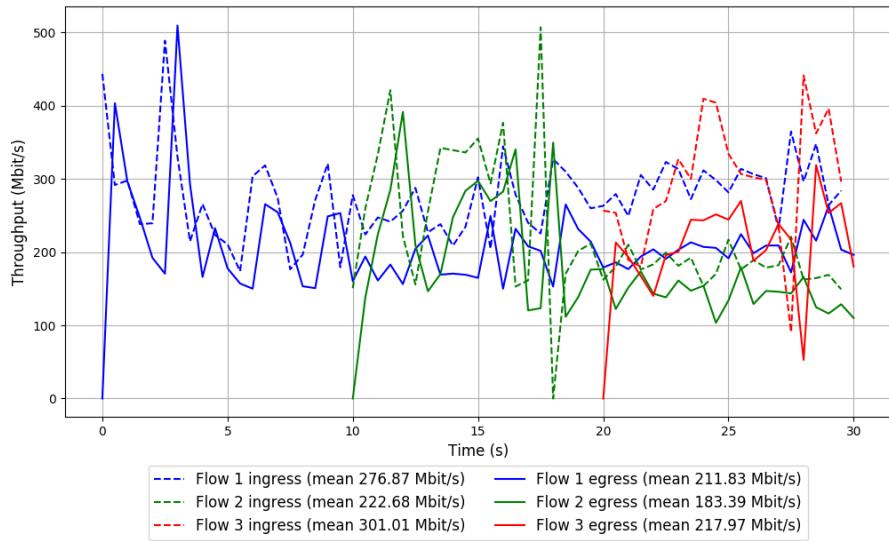


Run 1: Statistics of Verus

```
Start at: 2018-05-30 16:06:34
End at: 2018-05-30 16:07:04
Local clock offset: 0.092 ms
Remote clock offset: -0.575 ms

# Below is generated by plot.py at 2018-05-30 22:12:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.33 Mbit/s
95th percentile per-packet one-way delay: 44.898 ms
Loss rate: 22.60%
-- Flow 1:
Average throughput: 211.83 Mbit/s
95th percentile per-packet one-way delay: 43.477 ms
Loss rate: 23.49%
-- Flow 2:
Average throughput: 183.39 Mbit/s
95th percentile per-packet one-way delay: 59.208 ms
Loss rate: 17.64%
-- Flow 3:
Average throughput: 217.97 Mbit/s
95th percentile per-packet one-way delay: 35.446 ms
Loss rate: 27.57%
```

Run 1: Report of Verus — Data Link

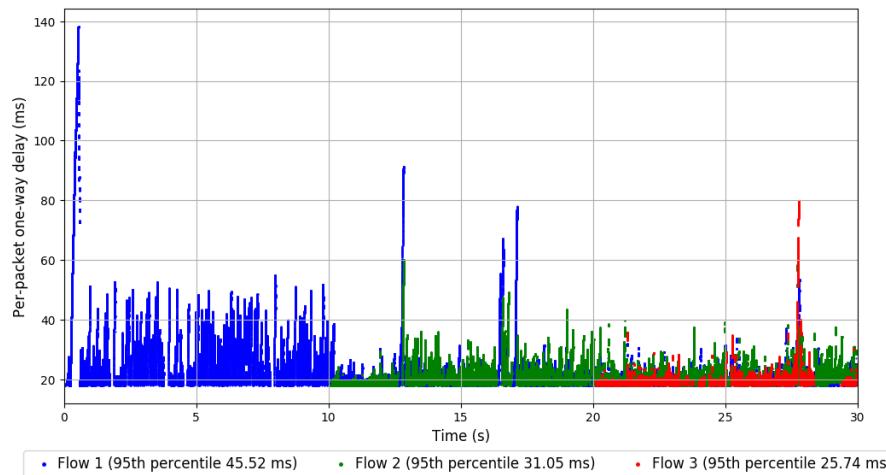
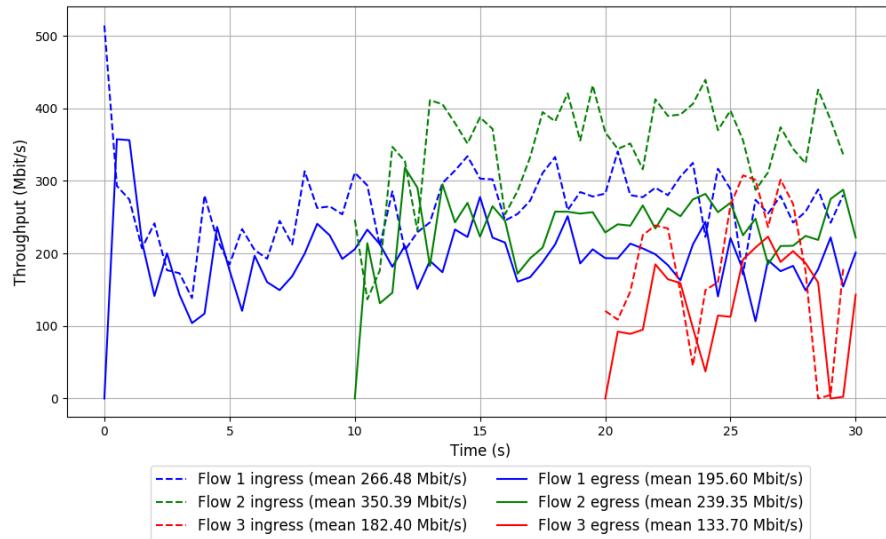


Run 2: Statistics of Verus

```
Start at: 2018-05-30 16:31:58
End at: 2018-05-30 16:32:28
Local clock offset: 0.157 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2018-05-30 22:13:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.13 Mbit/s
95th percentile per-packet one-way delay: 36.633 ms
Loss rate: 28.72%
-- Flow 1:
Average throughput: 195.60 Mbit/s
95th percentile per-packet one-way delay: 45.518 ms
Loss rate: 26.59%
-- Flow 2:
Average throughput: 239.35 Mbit/s
95th percentile per-packet one-way delay: 31.045 ms
Loss rate: 31.68%
-- Flow 3:
Average throughput: 133.70 Mbit/s
95th percentile per-packet one-way delay: 25.743 ms
Loss rate: 26.65%
```

Run 2: Report of Verus — Data Link

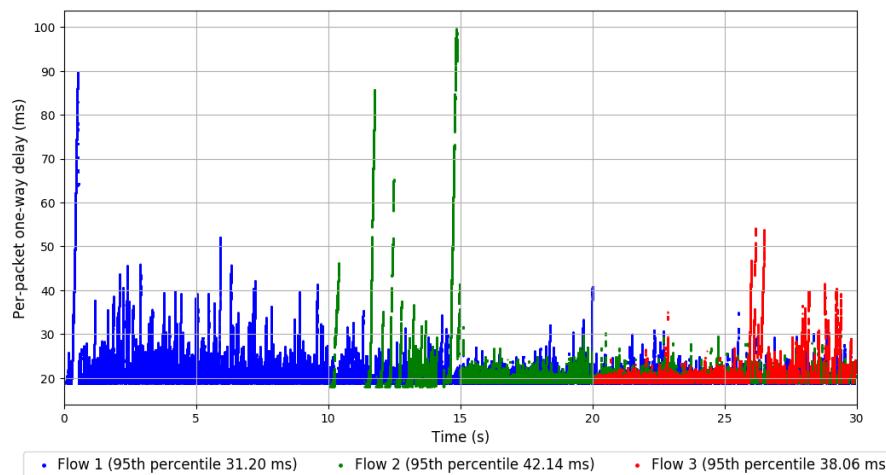
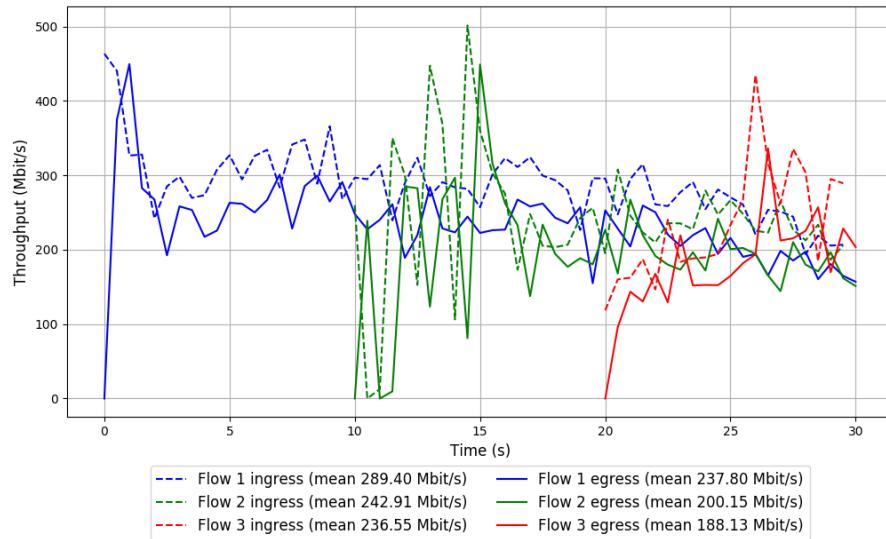


Run 3: Statistics of Verus

```
Start at: 2018-05-30 16:57:56
End at: 2018-05-30 16:58:26
Local clock offset: 0.314 ms
Remote clock offset: 0.589 ms

# Below is generated by plot.py at 2018-05-30 22:13:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.13 Mbit/s
95th percentile per-packet one-way delay: 34.864 ms
Loss rate: 18.15%
-- Flow 1:
Average throughput: 237.80 Mbit/s
95th percentile per-packet one-way delay: 31.197 ms
Loss rate: 17.83%
-- Flow 2:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 42.136 ms
Loss rate: 17.60%
-- Flow 3:
Average throughput: 188.13 Mbit/s
95th percentile per-packet one-way delay: 38.060 ms
Loss rate: 20.49%
```

Run 3: Report of Verus — Data Link

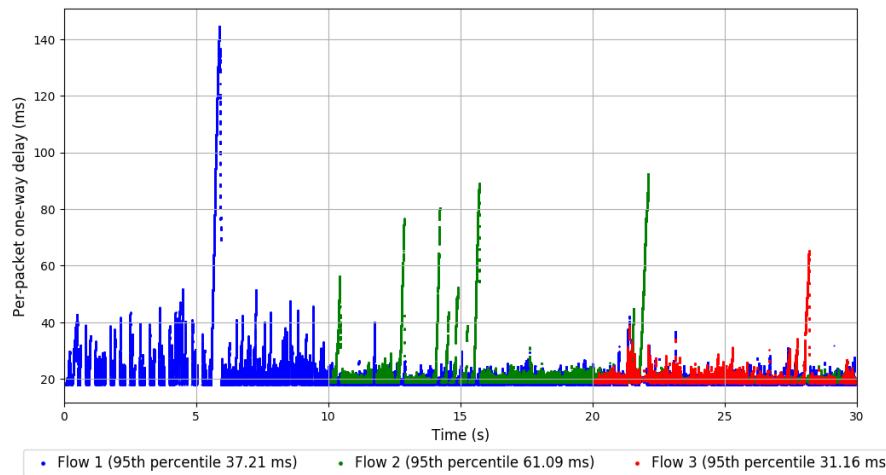
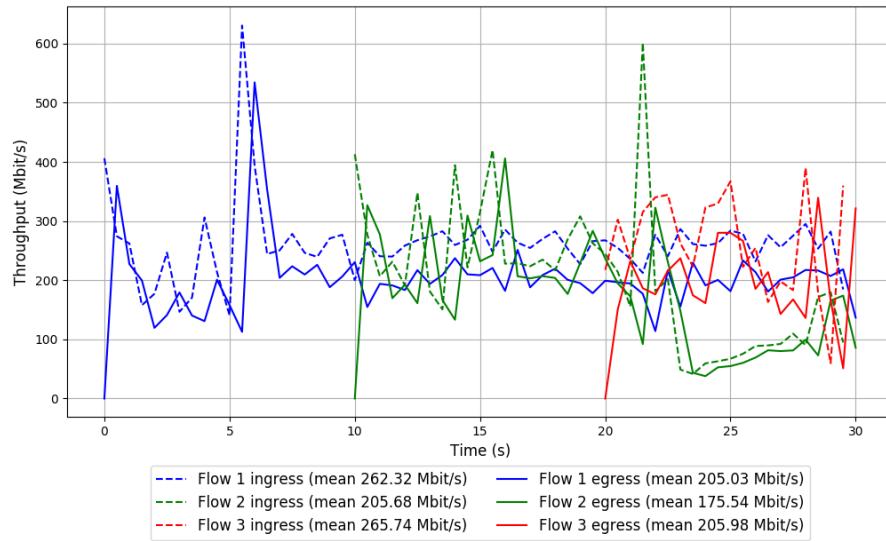


Run 4: Statistics of Verus

```
Start at: 2018-05-30 17:23:32
End at: 2018-05-30 17:24:02
Local clock offset: 0.441 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2018-05-30 22:13:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.08 Mbit/s
95th percentile per-packet one-way delay: 46.244 ms
Loss rate: 19.94%
-- Flow 1:
Average throughput: 205.03 Mbit/s
95th percentile per-packet one-way delay: 37.214 ms
Loss rate: 21.83%
-- Flow 2:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 61.090 ms
Loss rate: 14.65%
-- Flow 3:
Average throughput: 205.98 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 22.50%
```

Run 4: Report of Verus — Data Link

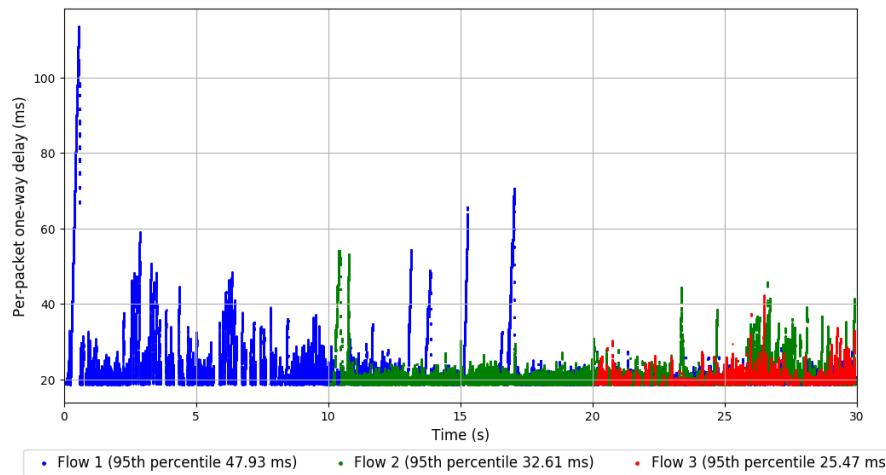
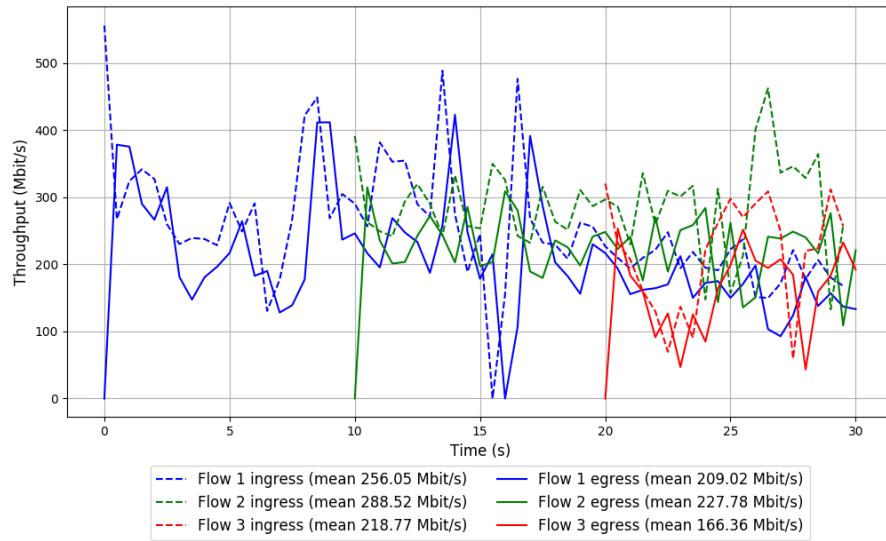


Run 5: Statistics of Verus

```
Start at: 2018-05-30 17:49:01
End at: 2018-05-30 17:49:31
Local clock offset: -0.242 ms
Remote clock offset: -0.347 ms

# Below is generated by plot.py at 2018-05-30 22:14:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.60 Mbit/s
95th percentile per-packet one-way delay: 38.762 ms
Loss rate: 20.12%
-- Flow 1:
Average throughput: 209.02 Mbit/s
95th percentile per-packet one-way delay: 47.928 ms
Loss rate: 18.37%
-- Flow 2:
Average throughput: 227.78 Mbit/s
95th percentile per-packet one-way delay: 32.614 ms
Loss rate: 21.05%
-- Flow 3:
Average throughput: 166.36 Mbit/s
95th percentile per-packet one-way delay: 25.469 ms
Loss rate: 23.85%
```

Run 5: Report of Verus — Data Link

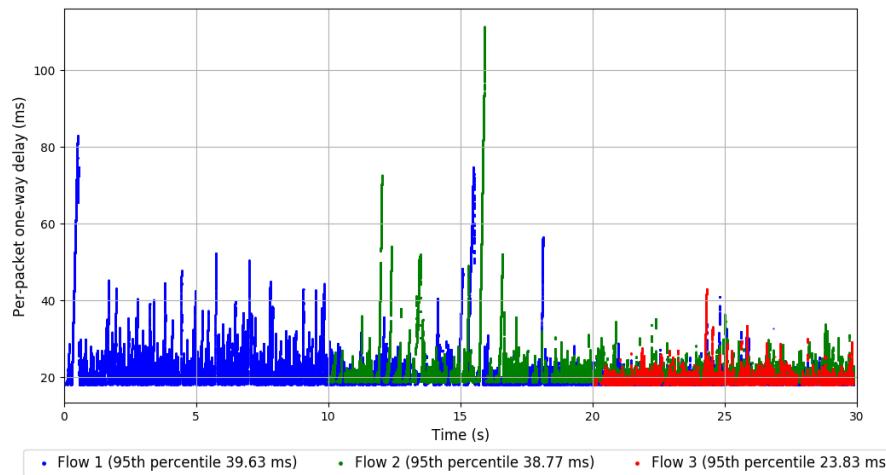
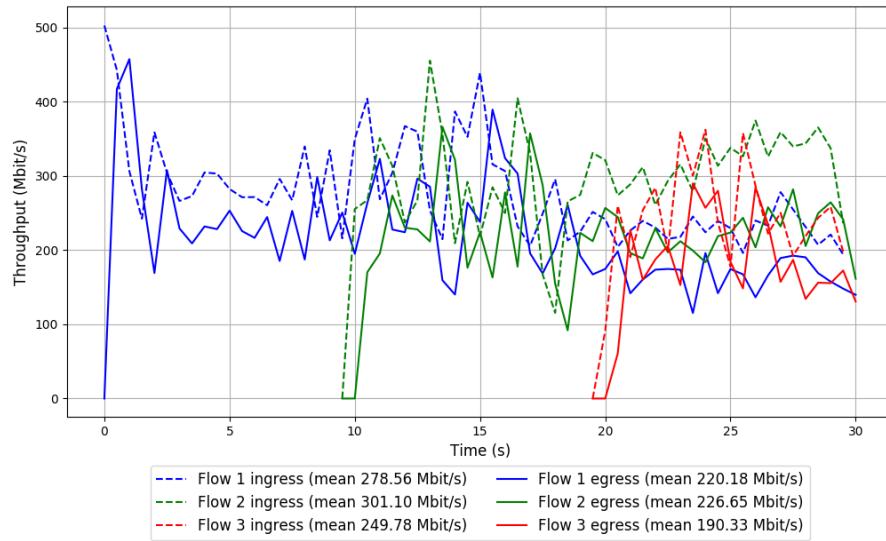


Run 6: Statistics of Verus

```
Start at: 2018-05-30 18:14:34
End at: 2018-05-30 18:15:04
Local clock offset: 0.044 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-05-30 22:14:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.34 Mbit/s
95th percentile per-packet one-way delay: 37.196 ms
Loss rate: 22.72%
-- Flow 1:
Average throughput: 220.18 Mbit/s
95th percentile per-packet one-way delay: 39.634 ms
Loss rate: 20.96%
-- Flow 2:
Average throughput: 226.65 Mbit/s
95th percentile per-packet one-way delay: 38.768 ms
Loss rate: 24.73%
-- Flow 3:
Average throughput: 190.33 Mbit/s
95th percentile per-packet one-way delay: 23.832 ms
Loss rate: 23.80%
```

Run 6: Report of Verus — Data Link

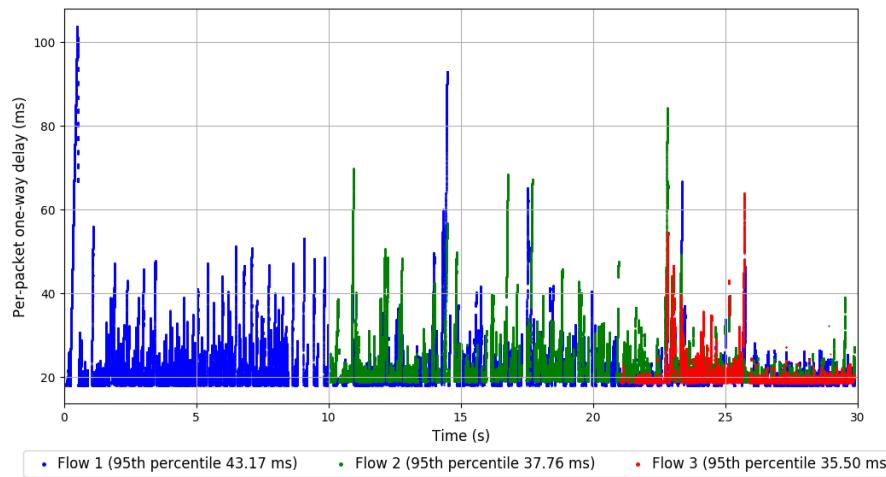
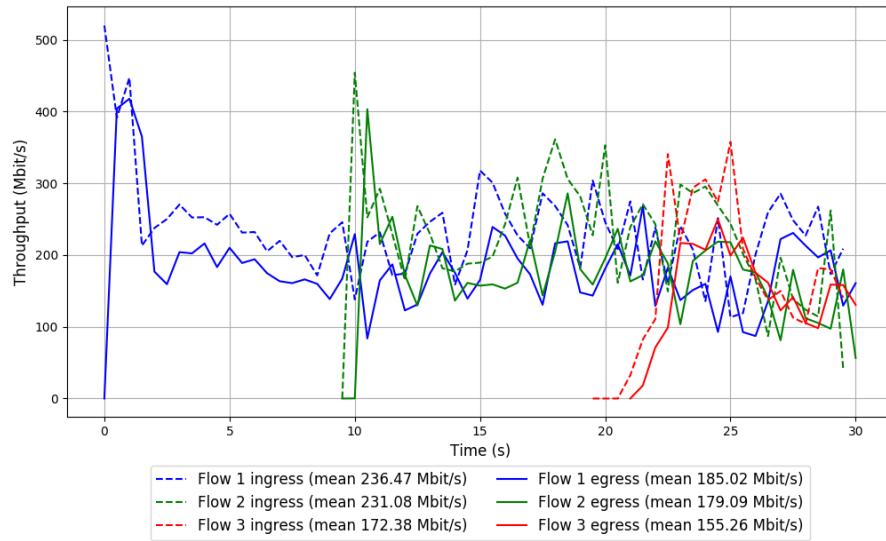


Run 7: Statistics of Verus

```
Start at: 2018-05-30 18:40:14
End at: 2018-05-30 18:40:44
Local clock offset: 0.358 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-05-30 22:15:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.59 Mbit/s
95th percentile per-packet one-way delay: 39.201 ms
Loss rate: 21.67%
-- Flow 1:
Average throughput: 185.02 Mbit/s
95th percentile per-packet one-way delay: 43.173 ms
Loss rate: 21.76%
-- Flow 2:
Average throughput: 179.09 Mbit/s
95th percentile per-packet one-way delay: 37.757 ms
Loss rate: 22.50%
-- Flow 3:
Average throughput: 155.26 Mbit/s
95th percentile per-packet one-way delay: 35.502 ms
Loss rate: 19.06%
```

Run 7: Report of Verus — Data Link

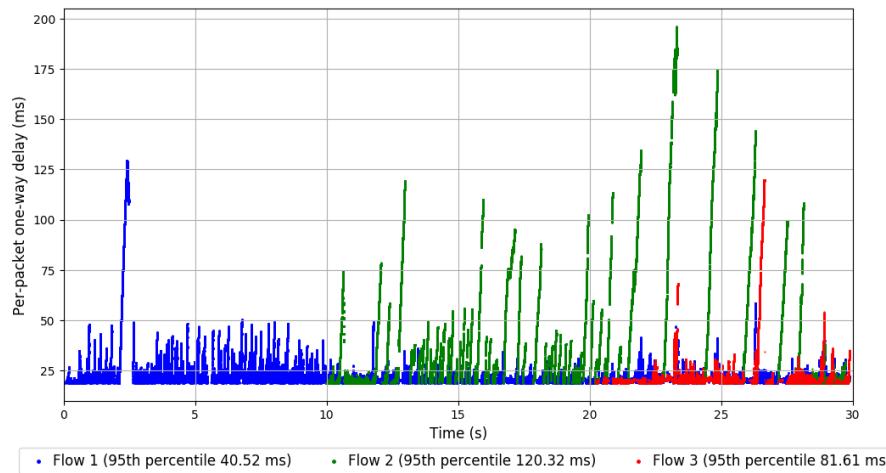
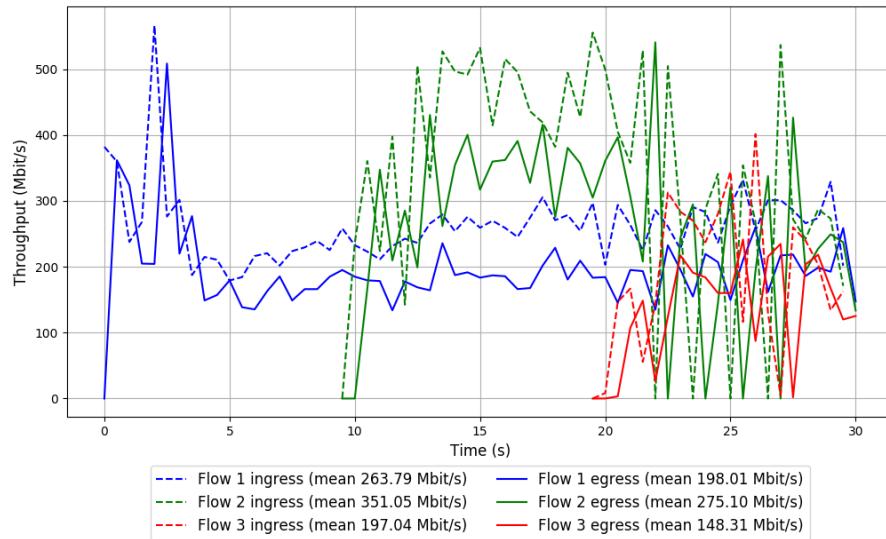


Run 8: Statistics of Verus

```
Start at: 2018-05-30 19:05:45
End at: 2018-05-30 19:06:15
Local clock offset: -0.3 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-05-30 22:16:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.67 Mbit/s
95th percentile per-packet one-way delay: 98.010 ms
Loss rate: 23.54%
-- Flow 1:
Average throughput: 198.01 Mbit/s
95th percentile per-packet one-way delay: 40.517 ms
Loss rate: 24.94%
-- Flow 2:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 120.317 ms
Loss rate: 21.63%
-- Flow 3:
Average throughput: 148.31 Mbit/s
95th percentile per-packet one-way delay: 81.606 ms
Loss rate: 24.71%
```

Run 8: Report of Verus — Data Link

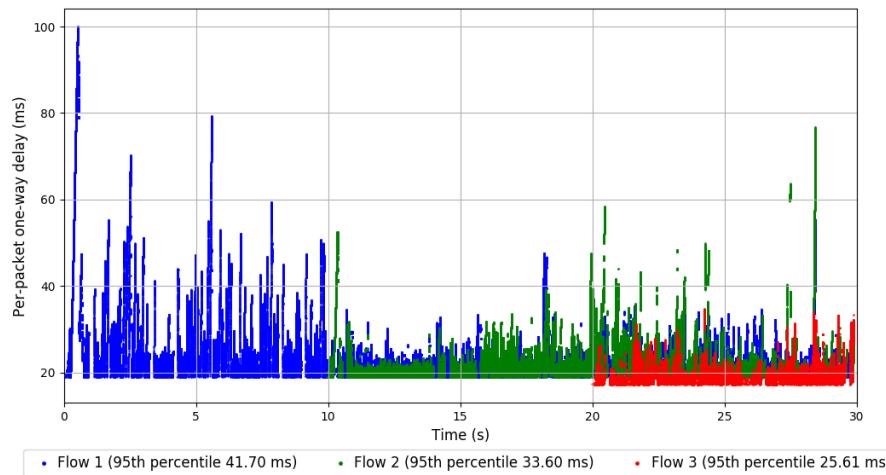
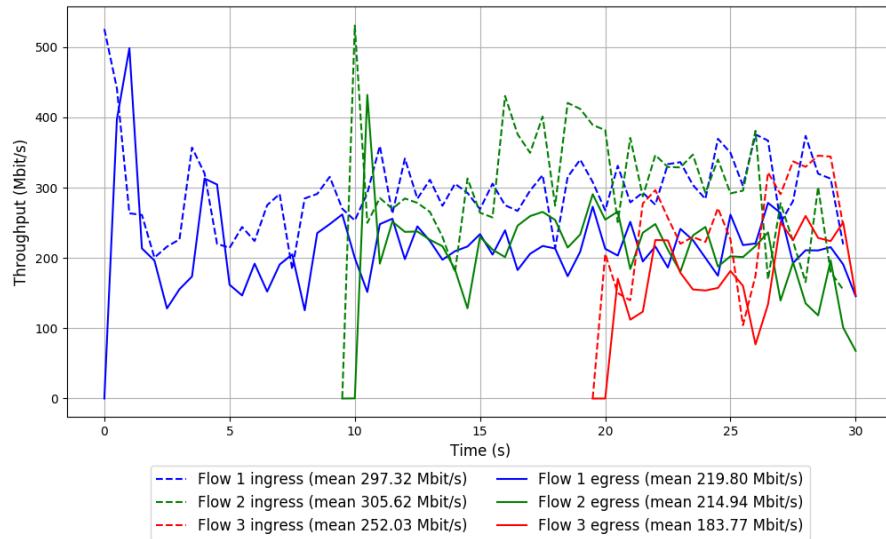


Run 9: Statistics of Verus

```
Start at: 2018-05-30 19:31:24
End at: 2018-05-30 19:31:54
Local clock offset: -0.971 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-30 22:18:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.02 Mbit/s
95th percentile per-packet one-way delay: 35.596 ms
Loss rate: 27.46%
-- Flow 1:
Average throughput: 219.80 Mbit/s
95th percentile per-packet one-way delay: 41.698 ms
Loss rate: 26.06%
-- Flow 2:
Average throughput: 214.94 Mbit/s
95th percentile per-packet one-way delay: 33.597 ms
Loss rate: 29.67%
-- Flow 3:
Average throughput: 183.77 Mbit/s
95th percentile per-packet one-way delay: 25.609 ms
Loss rate: 27.05%
```

Run 9: Report of Verus — Data Link

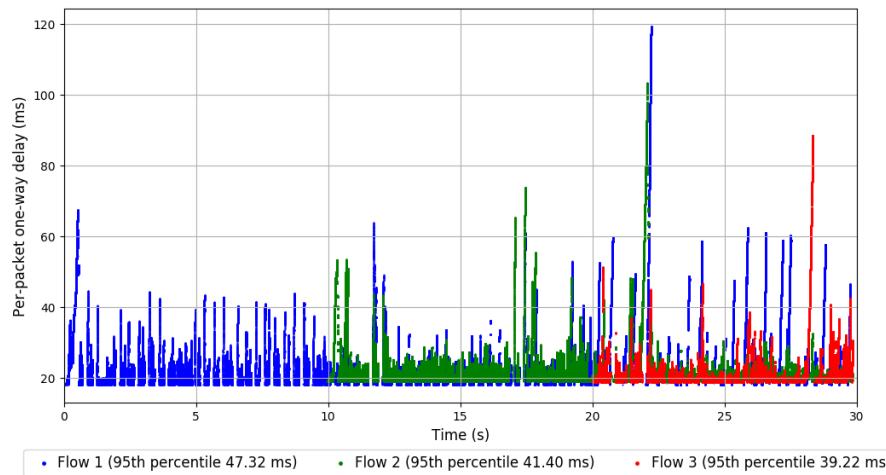
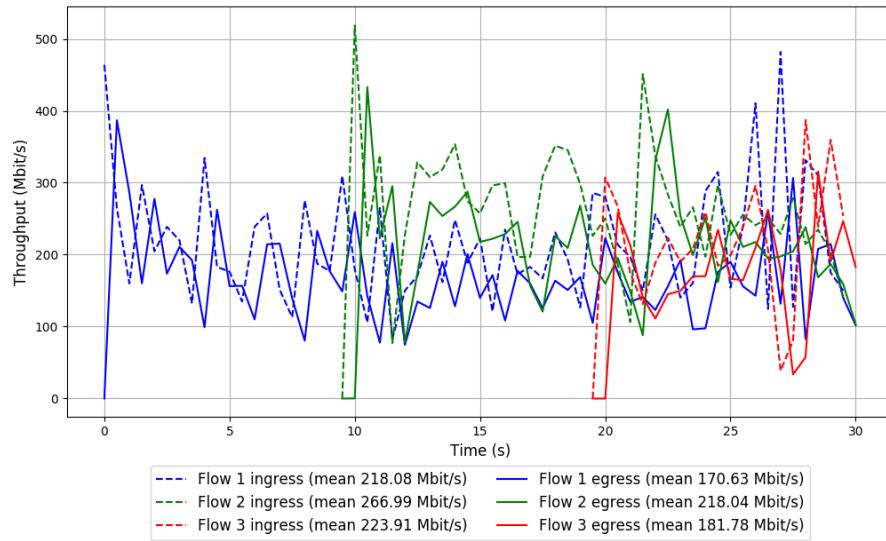


Run 10: Statistics of Verus

```
Start at: 2018-05-30 19:56:51
End at: 2018-05-30 19:57:21
Local clock offset: -1.239 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-05-30 22:18:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 375.90 Mbit/s
95th percentile per-packet one-way delay: 45.280 ms
Loss rate: 19.95%
-- Flow 1:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 47.316 ms
Loss rate: 21.68%
-- Flow 2:
Average throughput: 218.04 Mbit/s
95th percentile per-packet one-way delay: 41.399 ms
Loss rate: 18.34%
-- Flow 3:
Average throughput: 181.78 Mbit/s
95th percentile per-packet one-way delay: 39.220 ms
Loss rate: 18.77%
```

Run 10: Report of Verus — Data Link

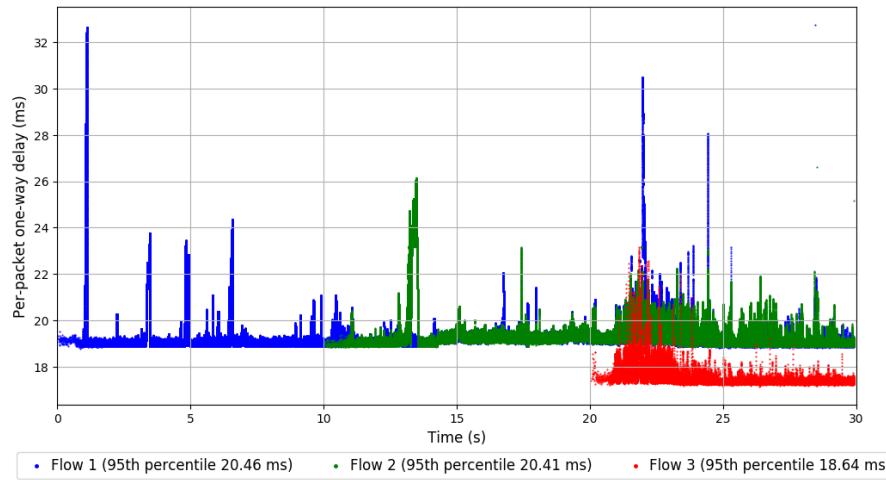
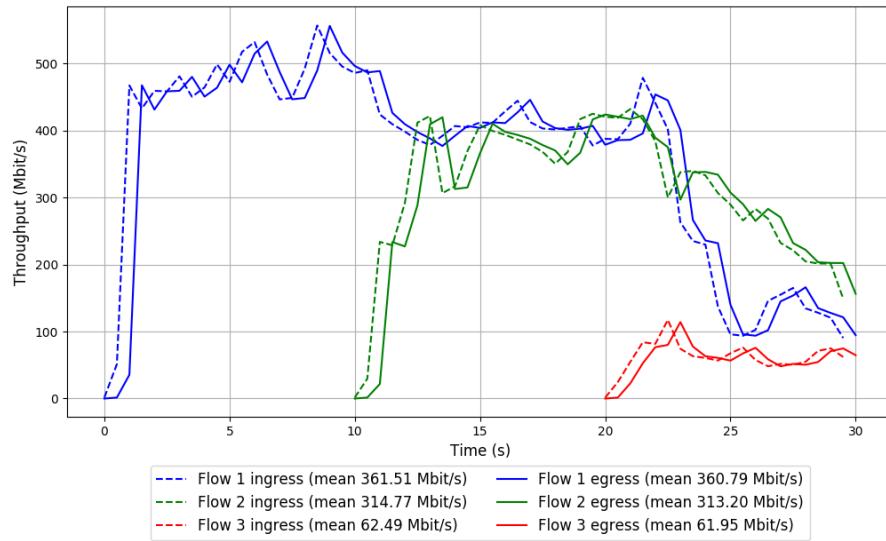


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-30 16:09:37
End at: 2018-05-30 16:10:07
Local clock offset: 0.107 ms
Remote clock offset: -0.47 ms

# Below is generated by plot.py at 2018-05-30 22:20:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.50 Mbit/s
95th percentile per-packet one-way delay: 20.419 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 360.79 Mbit/s
95th percentile per-packet one-way delay: 20.461 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 313.20 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 18.644 ms
Loss rate: 0.87%
```

Run 1: Report of PCC-Vivace — Data Link

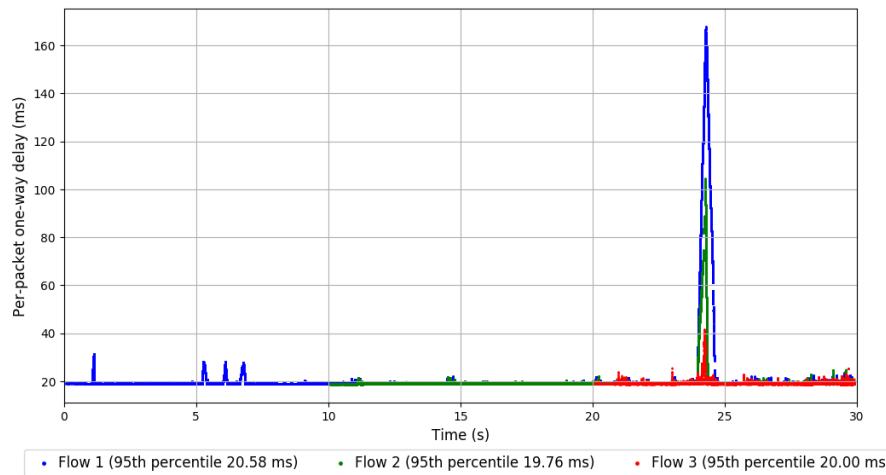
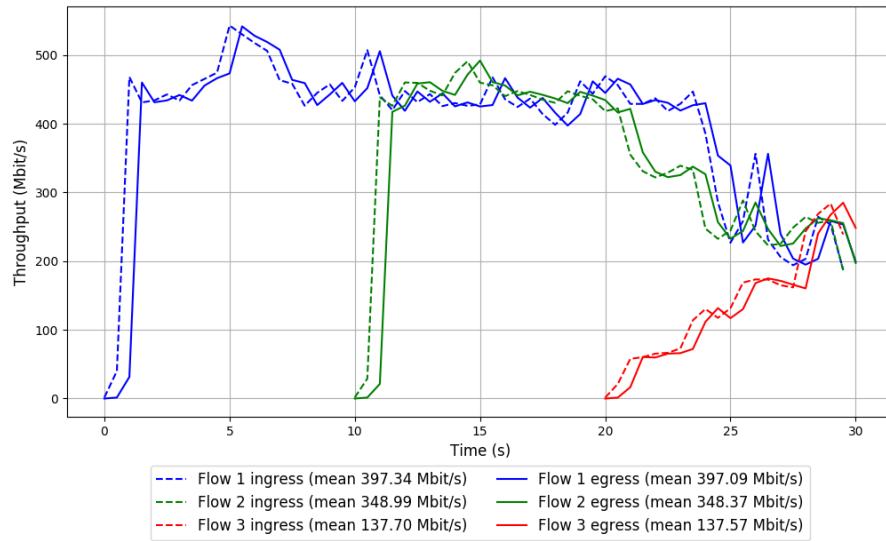


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-30 16:35:10
End at: 2018-05-30 16:35:40
Local clock offset: 0.162 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-05-30 22:22:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 674.13 Mbit/s
95th percentile per-packet one-way delay: 20.109 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 397.09 Mbit/s
95th percentile per-packet one-way delay: 20.578 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 348.37 Mbit/s
95th percentile per-packet one-way delay: 19.761 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 137.57 Mbit/s
95th percentile per-packet one-way delay: 19.998 ms
Loss rate: 0.07%
```

Run 2: Report of PCC-Vivace — Data Link

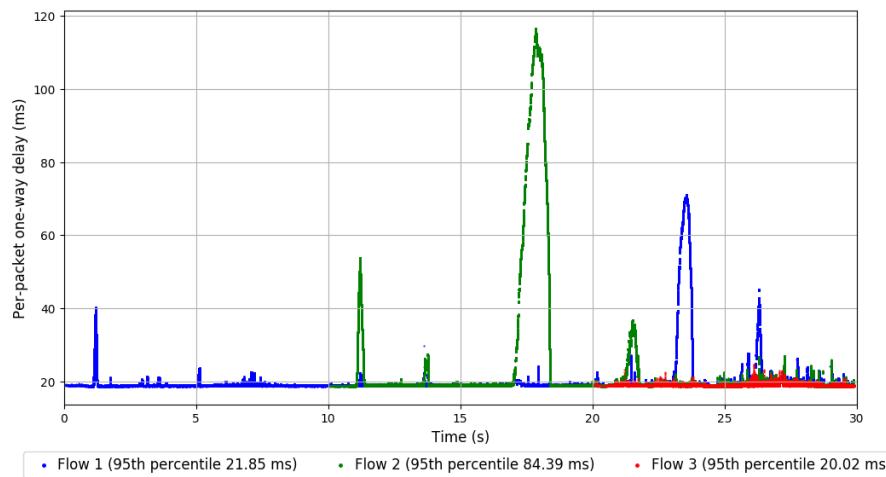
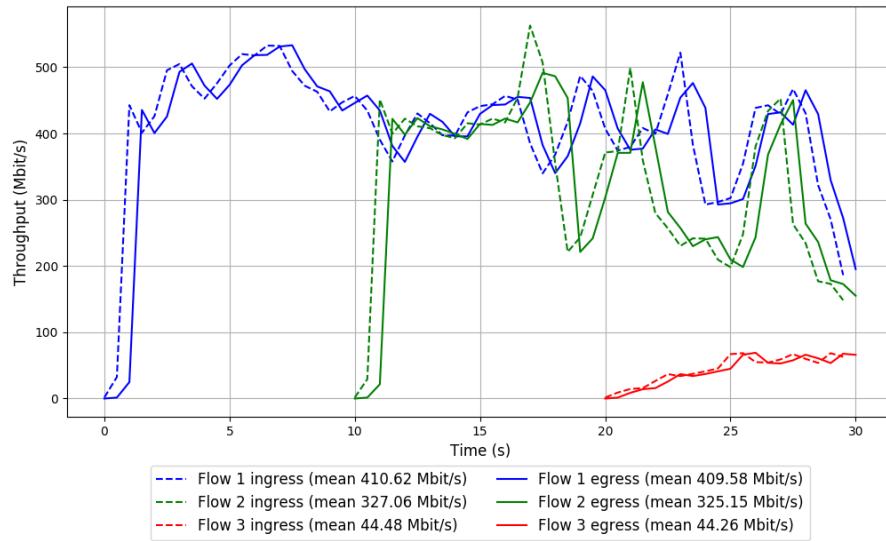


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-30 17:01:07
End at: 2018-05-30 17:01:37
Local clock offset: 0.375 ms
Remote clock offset: 0.421 ms

# Below is generated by plot.py at 2018-05-30 22:22:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.45 Mbit/s
95th percentile per-packet one-way delay: 36.292 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 409.58 Mbit/s
95th percentile per-packet one-way delay: 21.847 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 325.15 Mbit/s
95th percentile per-packet one-way delay: 84.393 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 20.022 ms
Loss rate: 0.50%
```

Run 3: Report of PCC-Vivace — Data Link

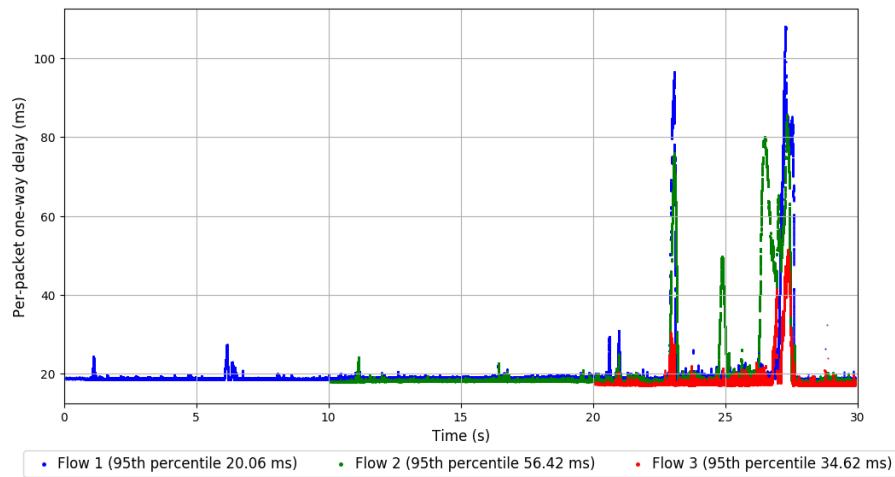
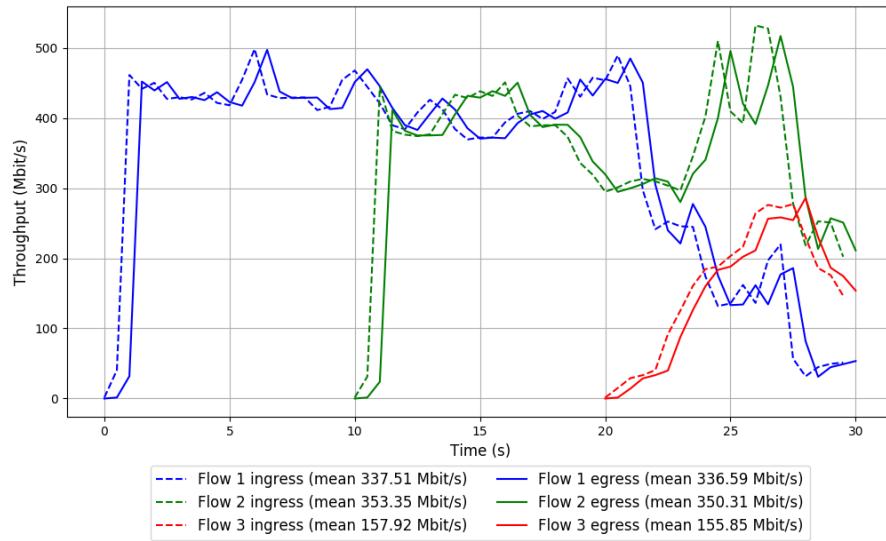


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-30 17:26:38
End at: 2018-05-30 17:27:08
Local clock offset: 0.302 ms
Remote clock offset: 0.373 ms

# Below is generated by plot.py at 2018-05-30 22:22:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 621.05 Mbit/s
95th percentile per-packet one-way delay: 35.339 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 336.59 Mbit/s
95th percentile per-packet one-way delay: 20.060 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 350.31 Mbit/s
95th percentile per-packet one-way delay: 56.416 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 155.85 Mbit/s
95th percentile per-packet one-way delay: 34.620 ms
Loss rate: 1.30%
```

Run 4: Report of PCC-Vivace — Data Link

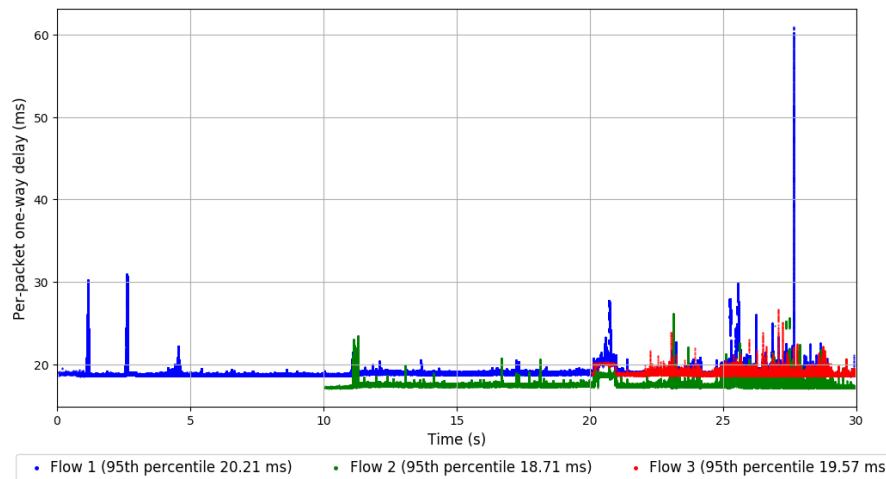
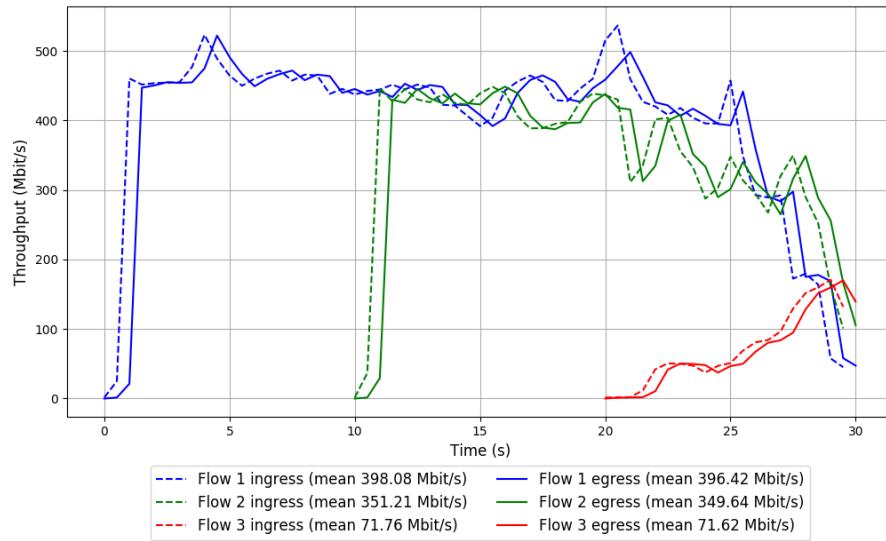


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-30 17:52:11
End at: 2018-05-30 17:52:41
Local clock offset: -0.282 ms
Remote clock offset: -0.428 ms

# Below is generated by plot.py at 2018-05-30 22:24:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 652.53 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 396.42 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 349.64 Mbit/s
95th percentile per-packet one-way delay: 18.708 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.19%
```

Run 5: Report of PCC-Vivace — Data Link

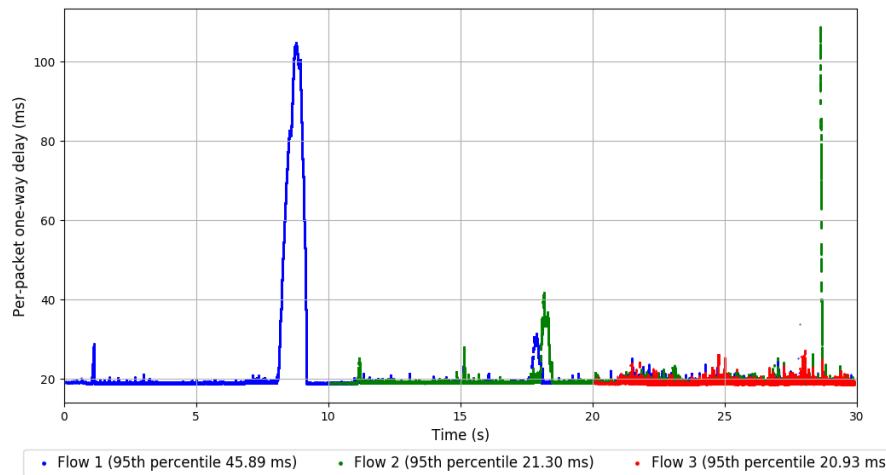
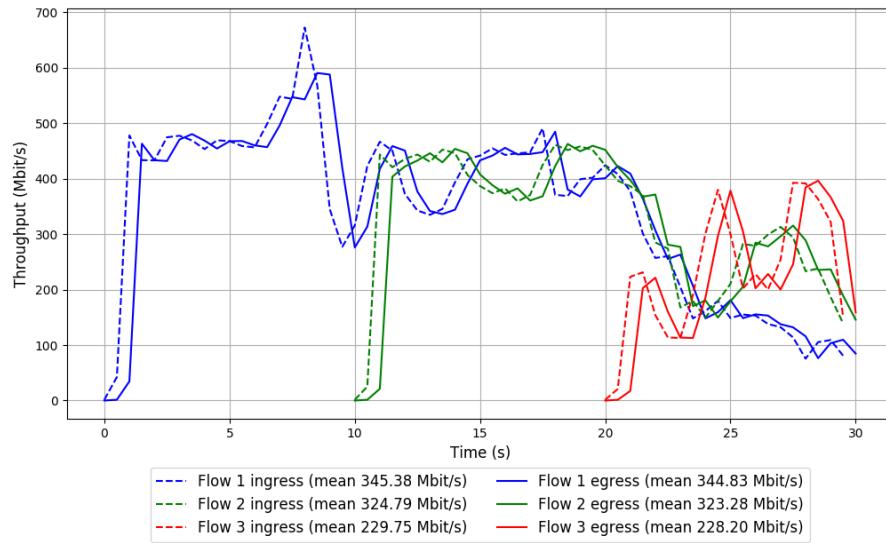


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-30 18:17:44
End at: 2018-05-30 18:18:14
Local clock offset: -0.008 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-05-30 22:24:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 635.12 Mbit/s
95th percentile per-packet one-way delay: 25.163 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 344.83 Mbit/s
95th percentile per-packet one-way delay: 45.890 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 323.28 Mbit/s
95th percentile per-packet one-way delay: 21.305 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 228.20 Mbit/s
95th percentile per-packet one-way delay: 20.931 ms
Loss rate: 0.68%
```

Run 6: Report of PCC-Vivace — Data Link

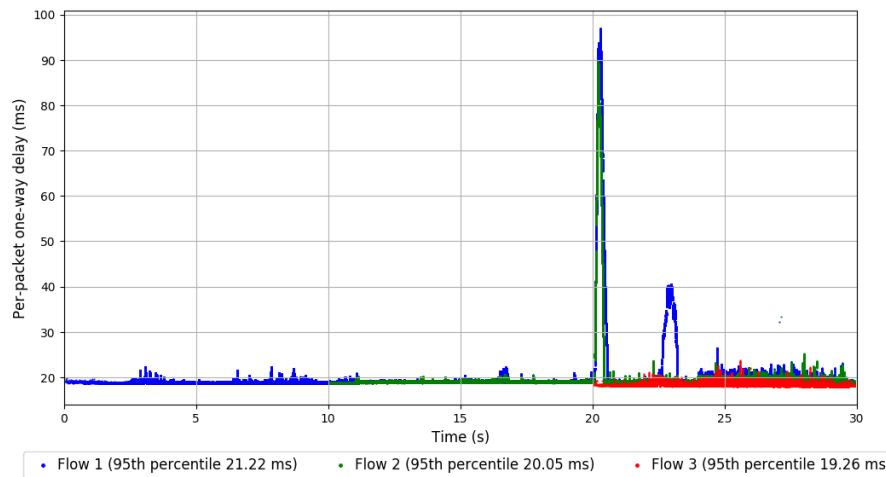
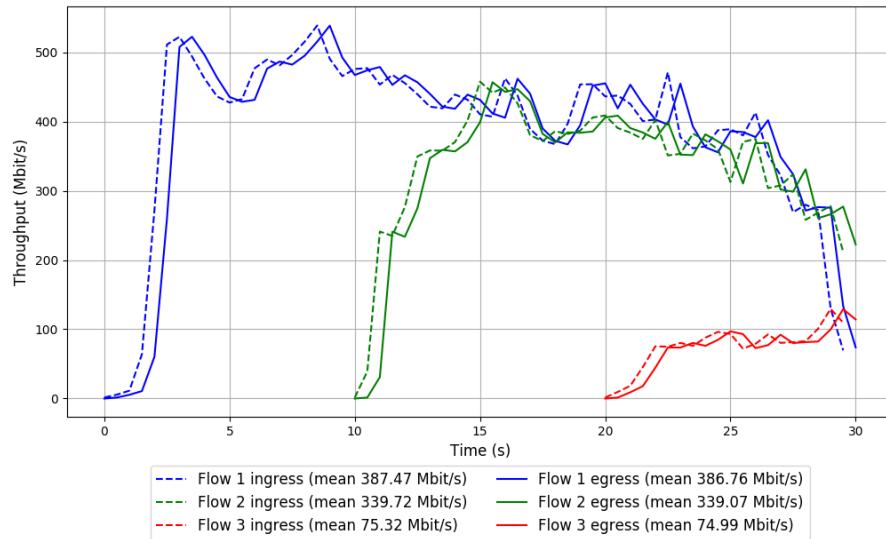


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-30 18:43:20
End at: 2018-05-30 18:43:50
Local clock offset: 0.346 ms
Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-05-30 22:25:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.02 Mbit/s
95th percentile per-packet one-way delay: 20.662 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 386.76 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 339.07 Mbit/s
95th percentile per-packet one-way delay: 20.045 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.45%
```

Run 7: Report of PCC-Vivace — Data Link

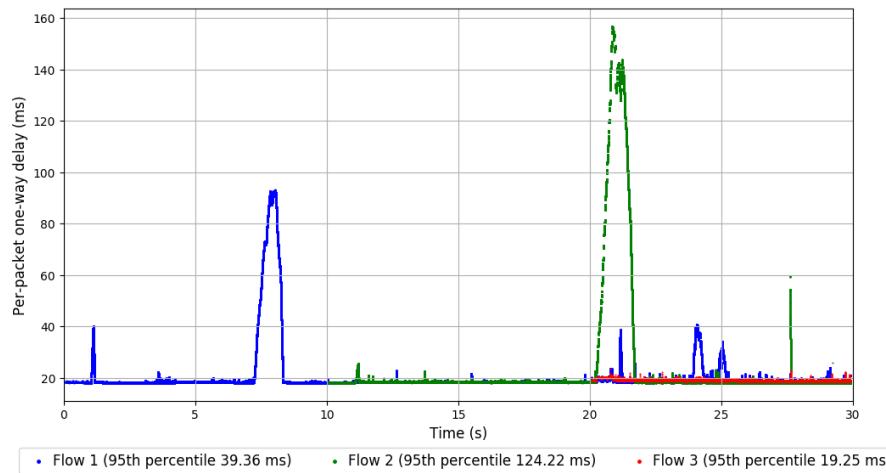
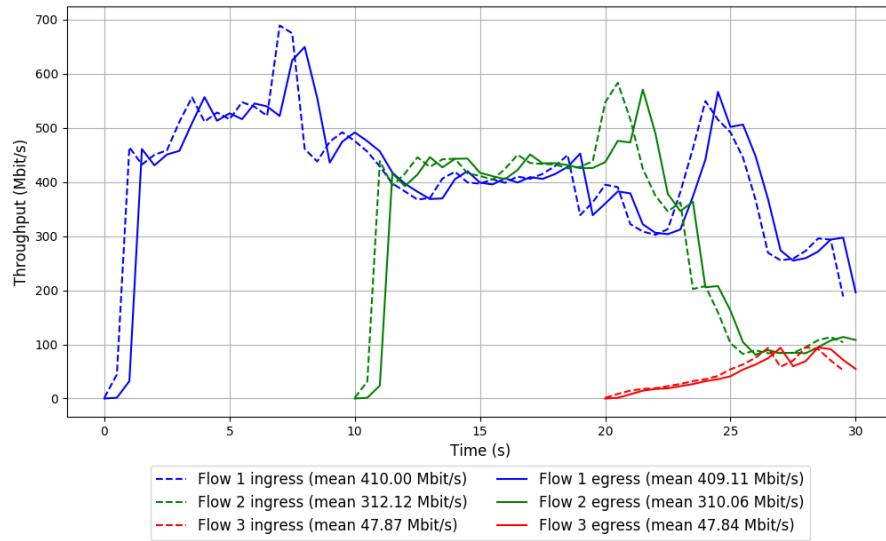


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-30 19:08:55
End at: 2018-05-30 19:09:25
Local clock offset: -0.479 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-05-30 22:25:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 631.11 Mbit/s
95th percentile per-packet one-way delay: 66.884 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 409.11 Mbit/s
95th percentile per-packet one-way delay: 39.361 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 310.06 Mbit/s
95th percentile per-packet one-way delay: 124.215 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.06%
```

Run 8: Report of PCC-Vivace — Data Link

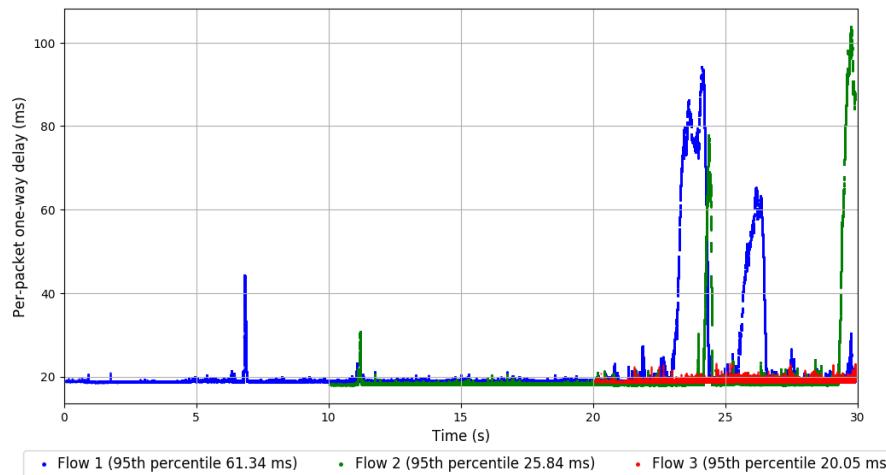
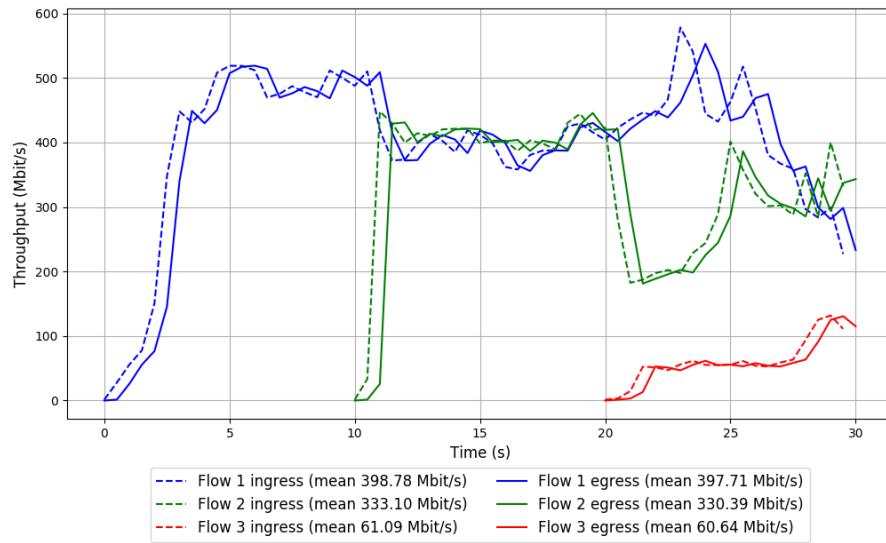


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-30 19:34:32
End at: 2018-05-30 19:35:02
Local clock offset: -1.023 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-05-30 22:26:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 637.51 Mbit/s
95th percentile per-packet one-way delay: 56.416 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 397.71 Mbit/s
95th percentile per-packet one-way delay: 61.337 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 330.39 Mbit/s
95th percentile per-packet one-way delay: 25.835 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 20.054 ms
Loss rate: 0.73%
```

Run 9: Report of PCC-Vivace — Data Link

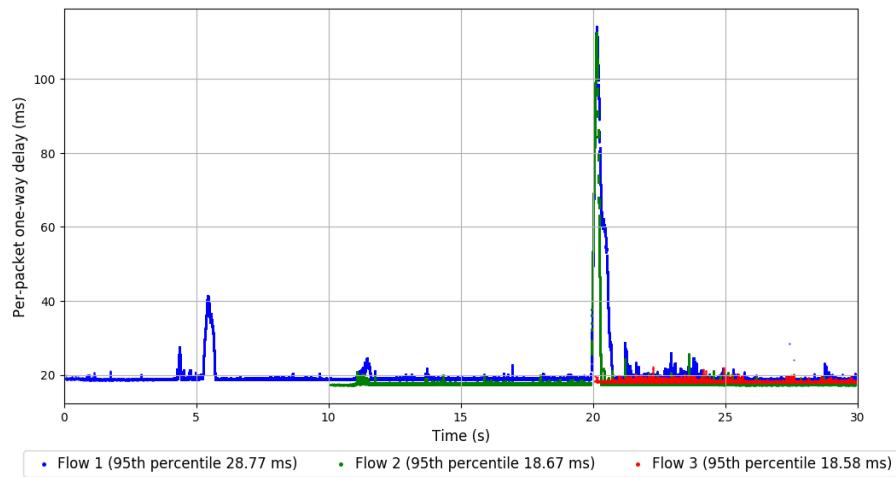
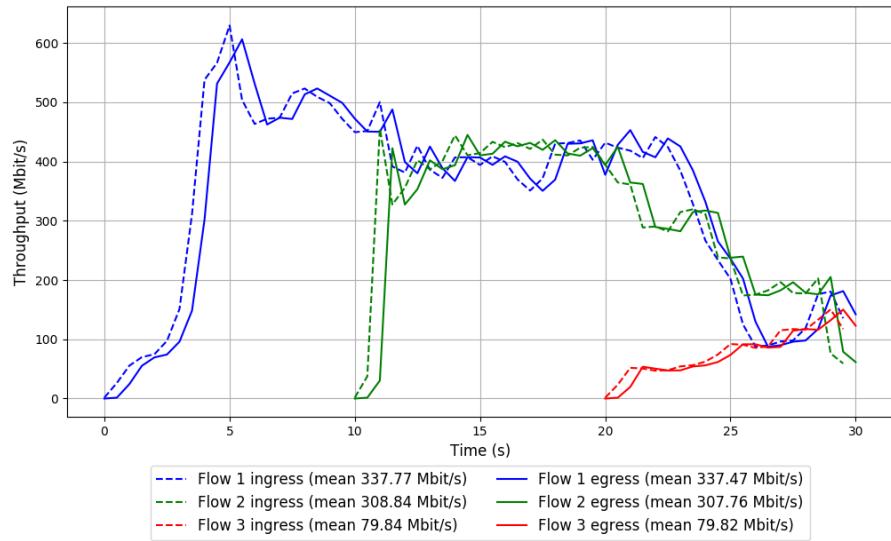


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-30 20:00:00
End at: 2018-05-30 20:00:30
Local clock offset: -1.182 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.48 Mbit/s
95th percentile per-packet one-way delay: 22.868 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 337.47 Mbit/s
95th percentile per-packet one-way delay: 28.767 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 307.76 Mbit/s
95th percentile per-packet one-way delay: 18.670 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 18.581 ms
Loss rate: 0.02%
```

Run 10: Report of PCC-Vivace — Data Link

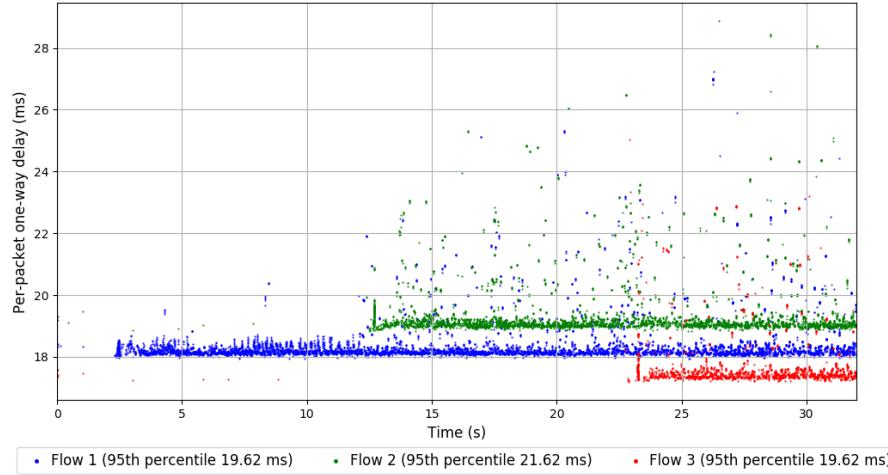
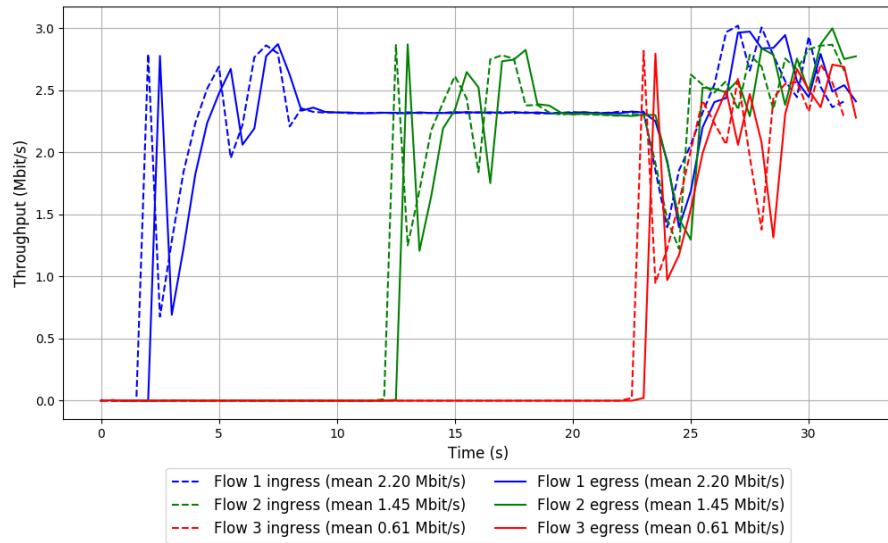


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-30 16:11:23
End at: 2018-05-30 16:11:53
Local clock offset: 0.074 ms
Remote clock offset: -0.444 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 20.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 19.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 21.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 19.618 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

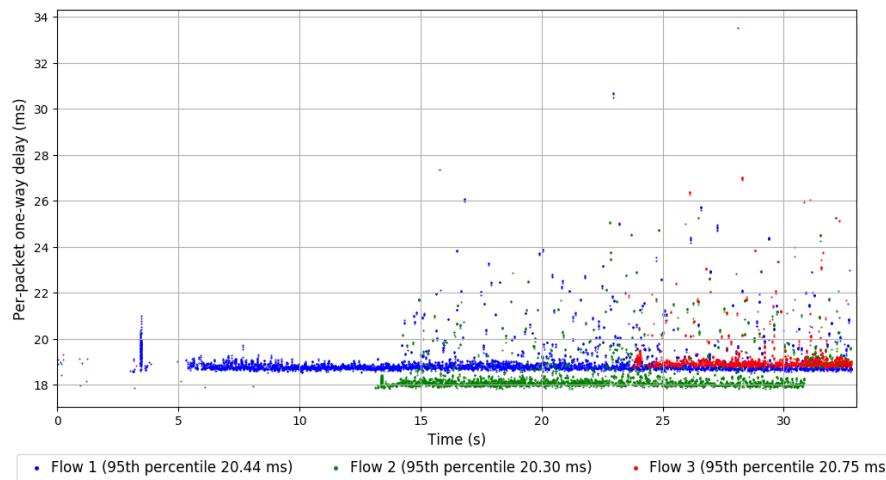
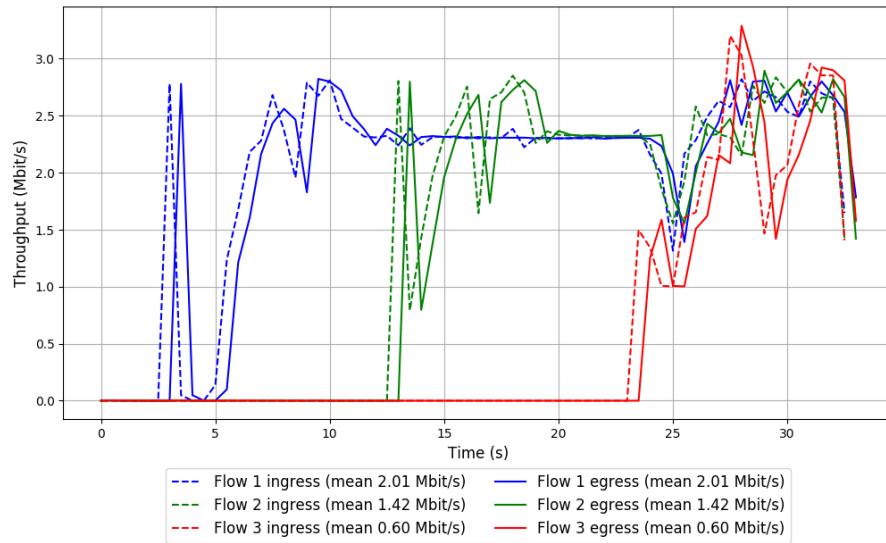


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-30 16:36:59
End at: 2018-05-30 16:37:29
Local clock offset: 0.165 ms
Remote clock offset: 0.32 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 20.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 20.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 20.745 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

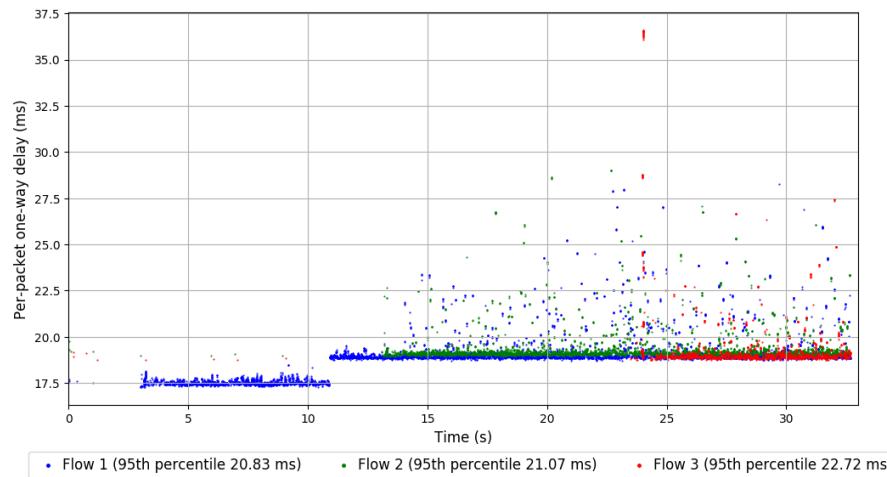
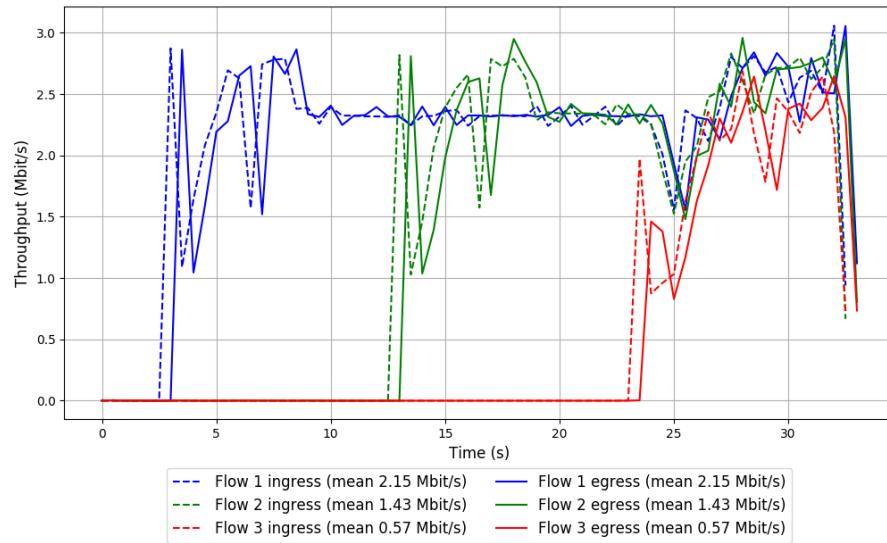


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-30 17:02:55
End at: 2018-05-30 17:03:25
Local clock offset: 0.309 ms
Remote clock offset: 0.403 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 21.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 20.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 21.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 22.719 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

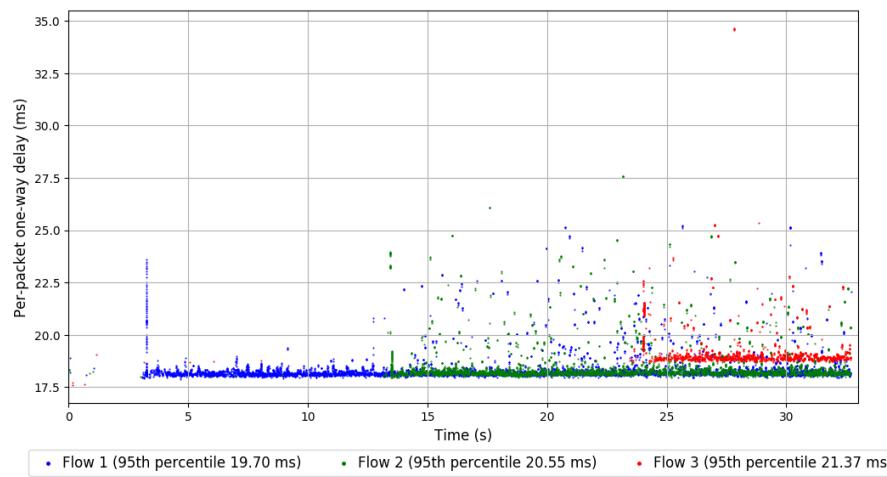
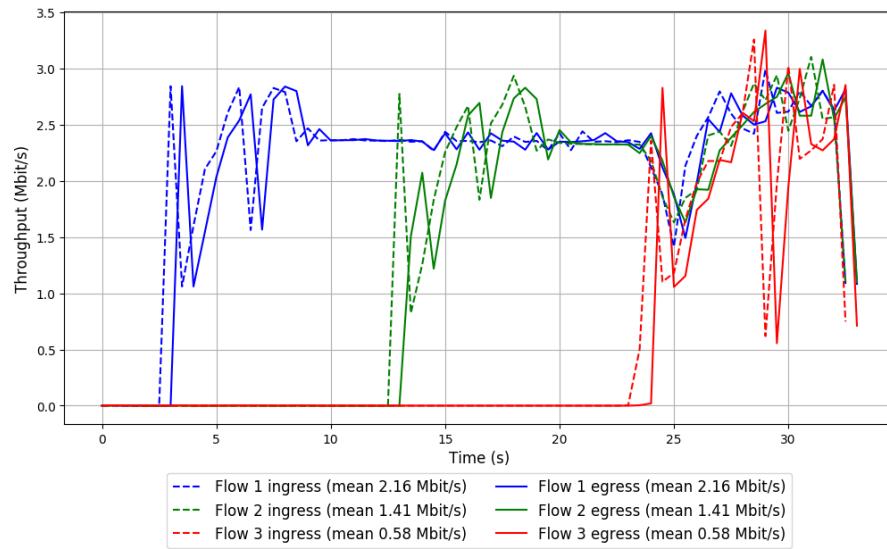


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-30 17:28:25
End at: 2018-05-30 17:28:55
Local clock offset: 0.122 ms
Remote clock offset: 0.345 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 20.437 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 20.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.366 ms
Loss rate: 0.10%
```

Run 4: Report of WebRTC media — Data Link

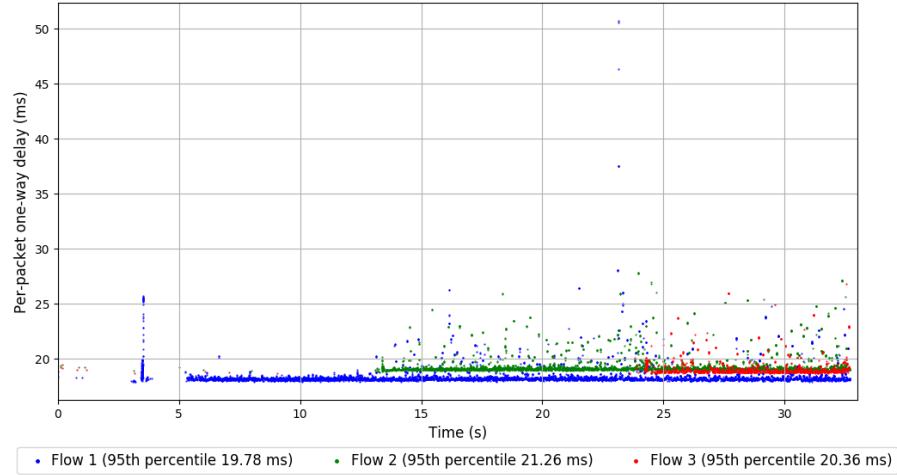
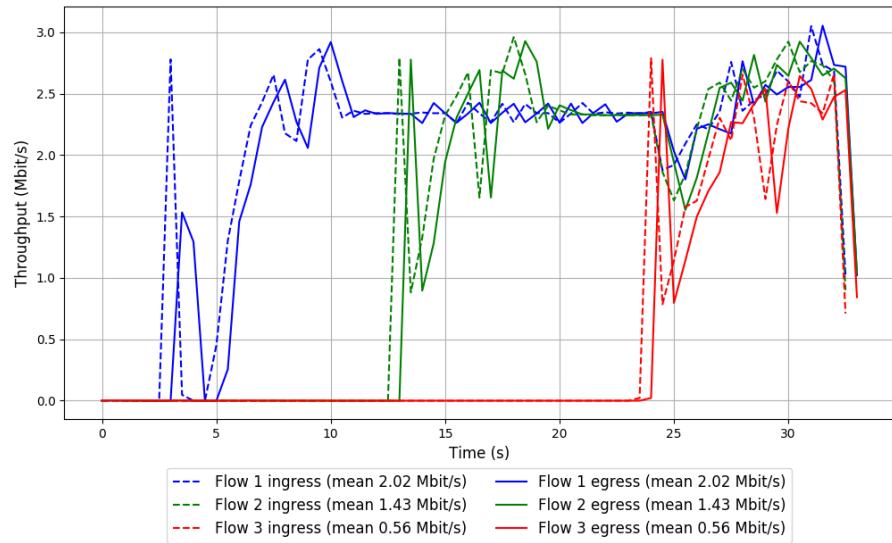


Run 5: Statistics of WebRTC media

```
Start at: 2018-05-30 17:53:59
End at: 2018-05-30 17:54:29
Local clock offset: -0.244 ms
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 20.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 19.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 21.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.359 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

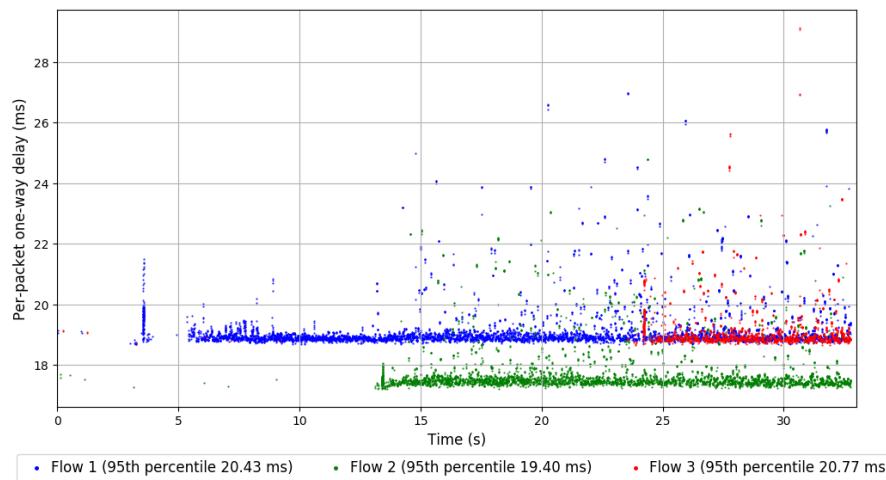
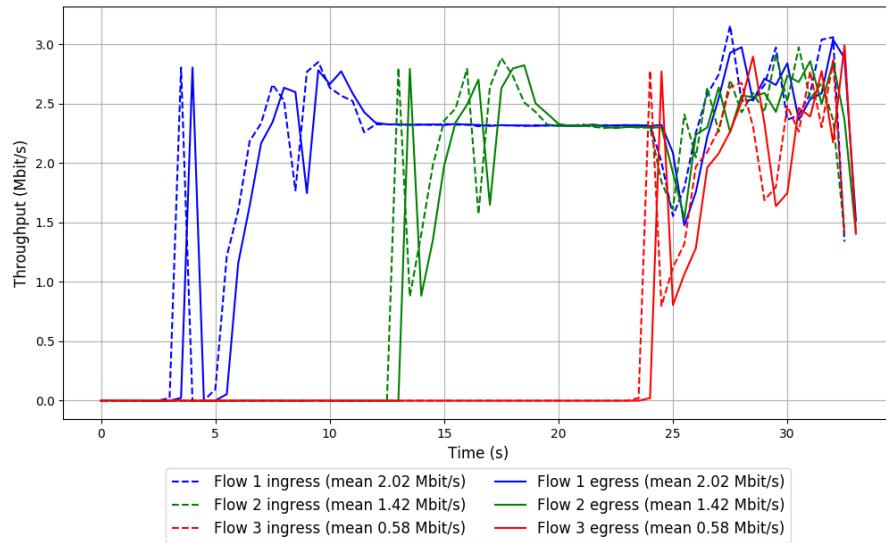


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-30 18:19:32
End at: 2018-05-30 18:20:02
Local clock offset: -0.116 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 20.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 20.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 20.775 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

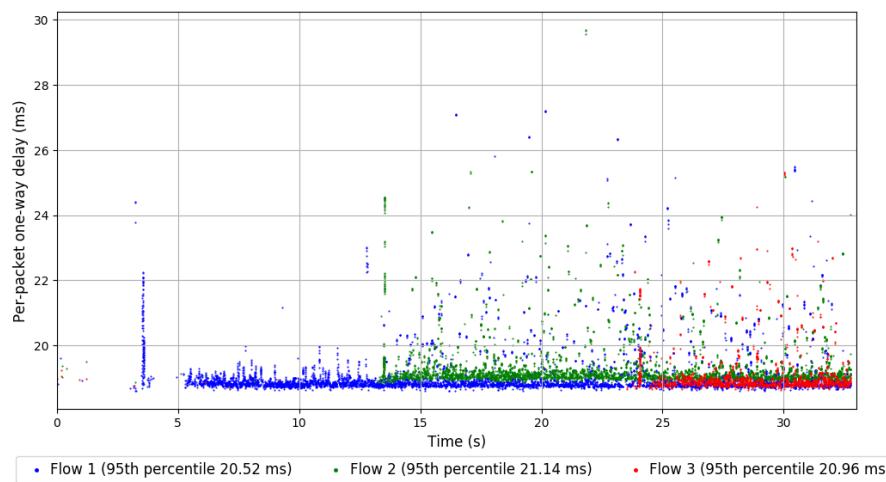
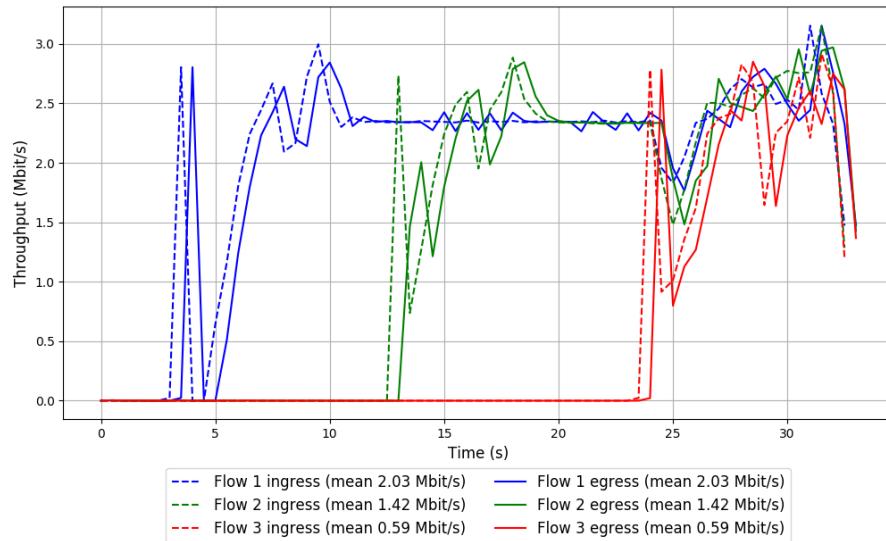


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-30 18:45:08
End at: 2018-05-30 18:45:38
Local clock offset: 0.363 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 20.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 20.524 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 21.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.957 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

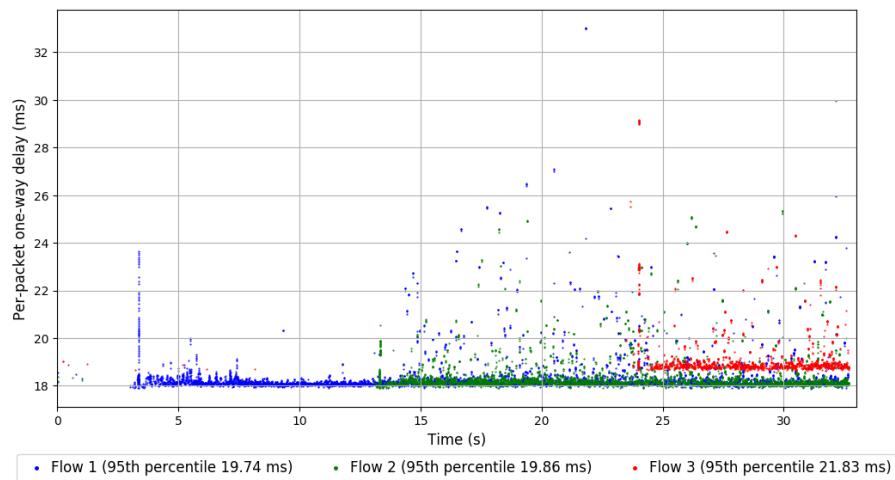
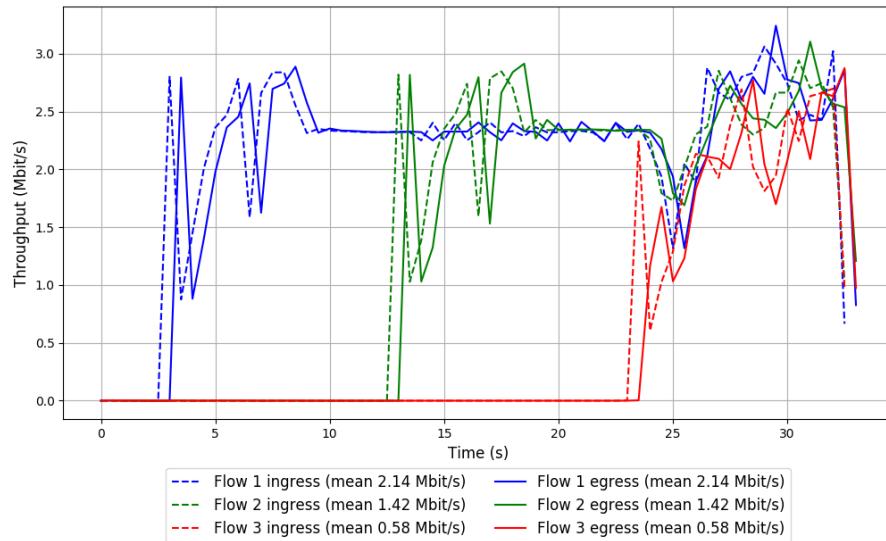


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-30 19:10:43
End at: 2018-05-30 19:11:13
Local clock offset: -0.435 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 20.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 19.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.829 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

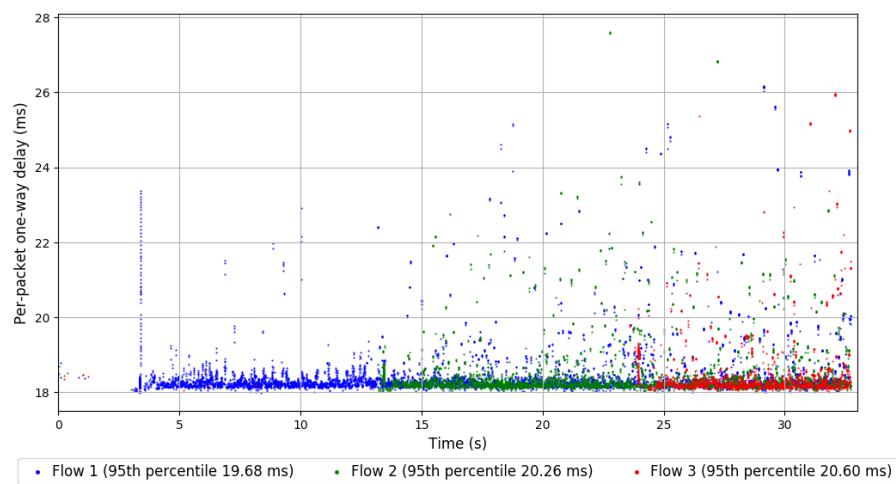
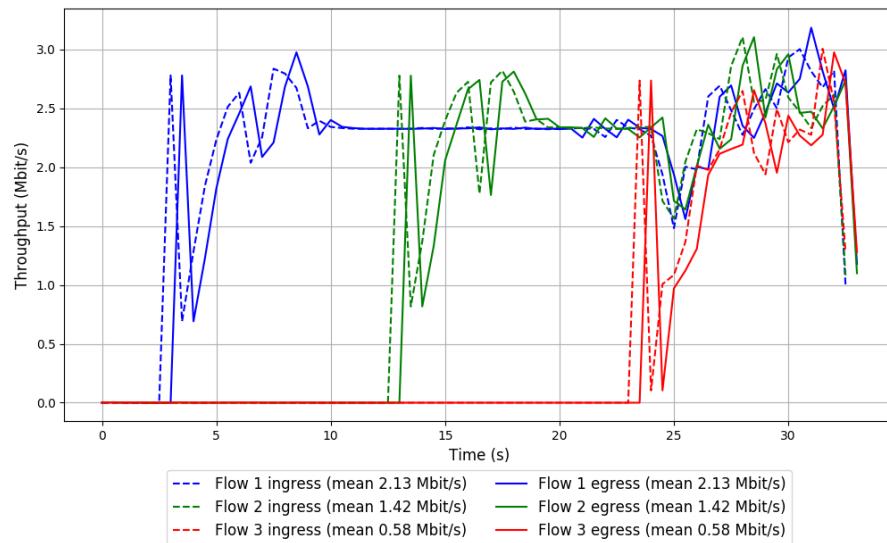


Run 9: Statistics of WebRTC media

```
Start at: 2018-05-30 19:36:20
End at: 2018-05-30 19:36:50
Local clock offset: -1.165 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 20.602 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-30 20:01:44
End at: 2018-05-30 20:02:14
Local clock offset: -1.159 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-30 22:26:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 20.737 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 20.752 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.349 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

