

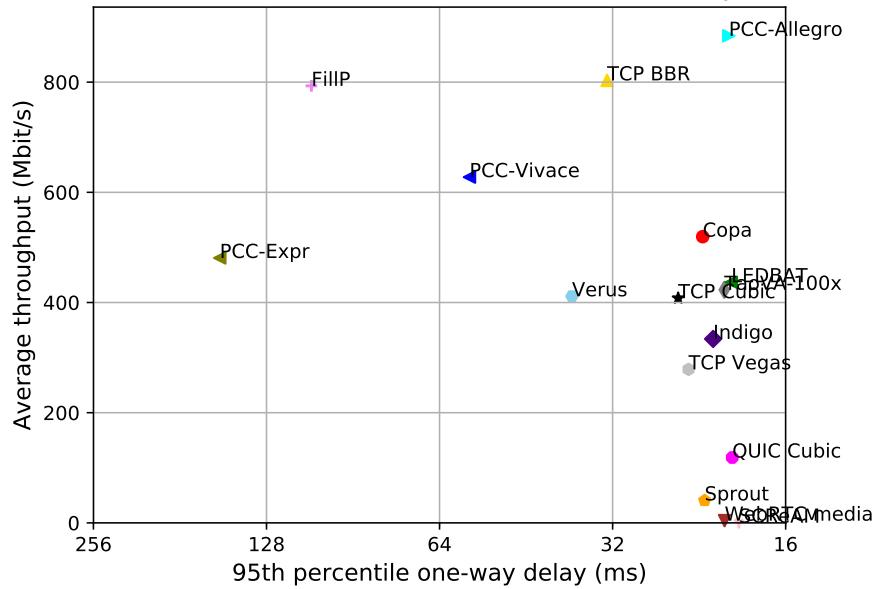
Pantheon Report

Generated at 2018-06-05 18:03:31 (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.

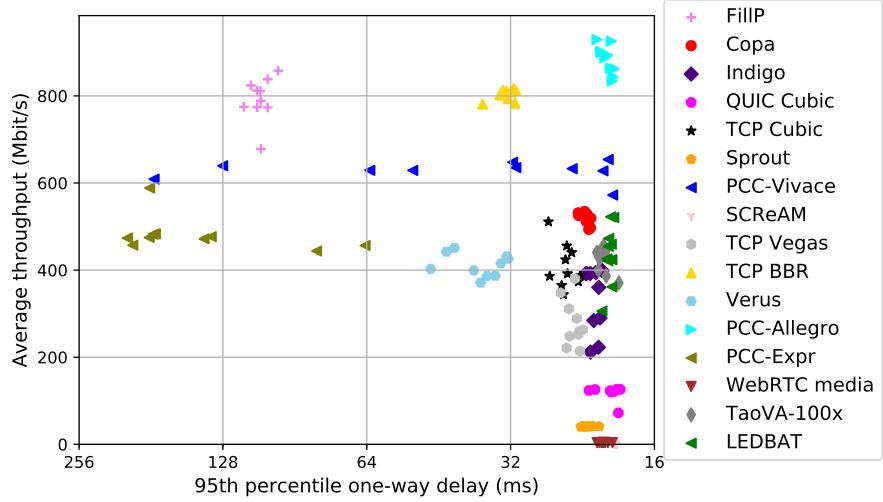
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
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



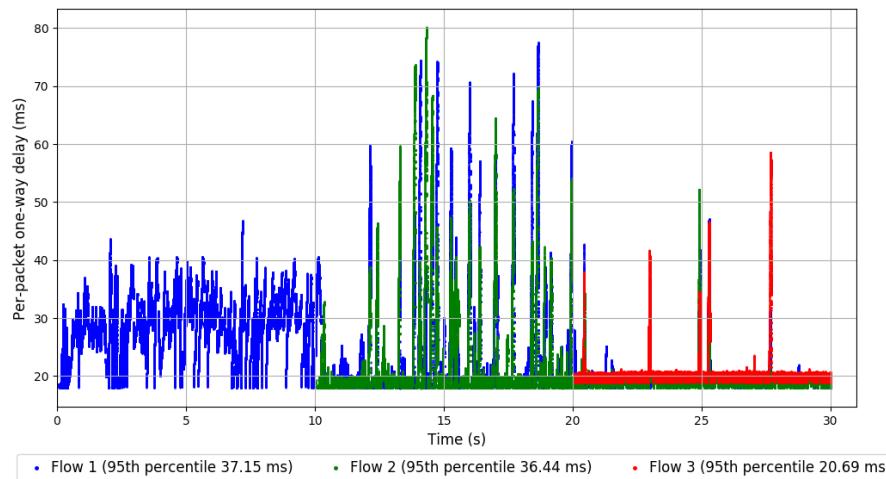
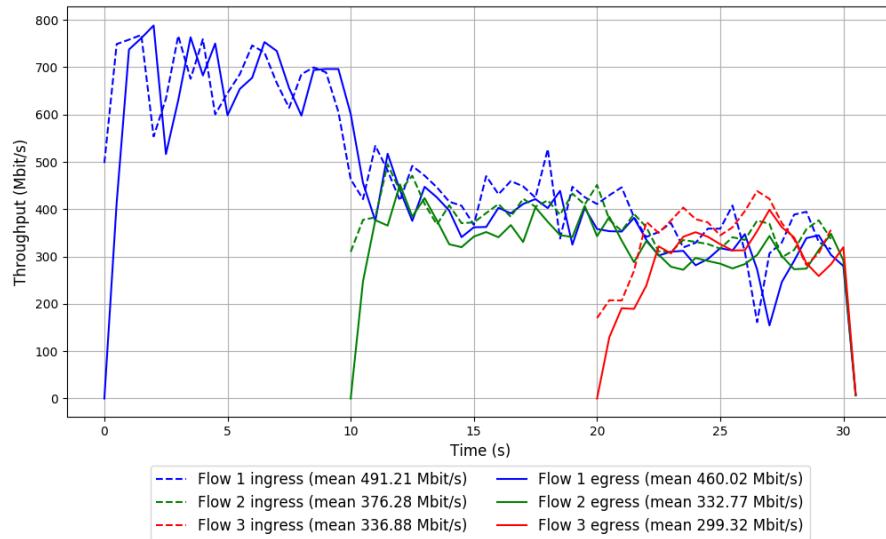
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	468.72	356.03	296.00	33.80	26.89	20.46	5.77	9.96	11.51
Copa		284.32	247.95	210.64	21.45	22.45	23.61	0.02	0.02	0.04
TCP Cubic		219.81	175.50	213.97	23.84	26.16	24.51	0.08	0.10	0.14
FillP		499.28	329.61	225.54	105.63	99.08	85.83	11.68	17.85	19.44
Indigo		154.63	174.73	195.04	21.86	21.60	20.76	0.00	0.00	0.02
LEDBAT		256.98	195.17	149.87	19.78	19.81	20.25	0.02	0.04	0.04
PCC-Allegro		744.58	170.69	78.98	20.00	20.02	19.36	0.40	0.31	0.42
PCC-Expr		295.78	231.66	93.88	138.90	146.12	32.05	2.47	1.03	0.06
QUIC Cubic		60.65	61.30	52.49	18.84	19.89	22.26	0.00	0.01	0.02
SCReAM		0.22	0.22	0.22	19.26	18.73	19.04	0.00	0.00	0.00
Sprout		20.43	20.55	20.25	22.01	21.96	22.42	0.01	0.02	0.04
TaoVA-100x		208.51	226.23	191.94	19.74	20.52	21.54	0.01	0.01	0.01
TCP Vegas		143.11	124.39	158.56	22.57	23.29	25.15	0.03	0.07	0.09
Verus		214.37	211.48	170.49	37.00	34.25	50.60	21.22	23.62	25.90
PCC-Vivace		386.48	324.74	76.22	62.61	35.18	19.12	0.36	0.33	0.19
WebRTC media		2.04	1.44	0.58	20.16	20.53	20.65	0.00	0.00	0.00

```
Run 1: Statistics of TCP BBR
```

```
Start at: 2018-06-05 11:27:24
End at: 2018-06-05 11:27:54
Local clock offset: 0.352 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-06-05 16:06:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 781.32 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 8.51%
-- Flow 1:
Average throughput: 460.02 Mbit/s
95th percentile per-packet one-way delay: 37.148 ms
Loss rate: 6.35%
-- Flow 2:
Average throughput: 332.77 Mbit/s
95th percentile per-packet one-way delay: 36.442 ms
Loss rate: 11.56%
-- Flow 3:
Average throughput: 299.32 Mbit/s
95th percentile per-packet one-way delay: 20.688 ms
Loss rate: 11.15%
```

Run 1: Report of TCP BBR — Data Link

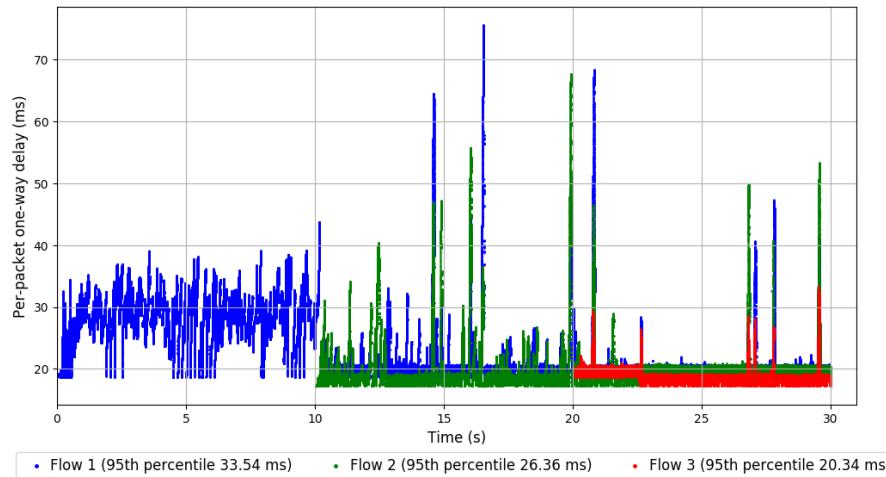
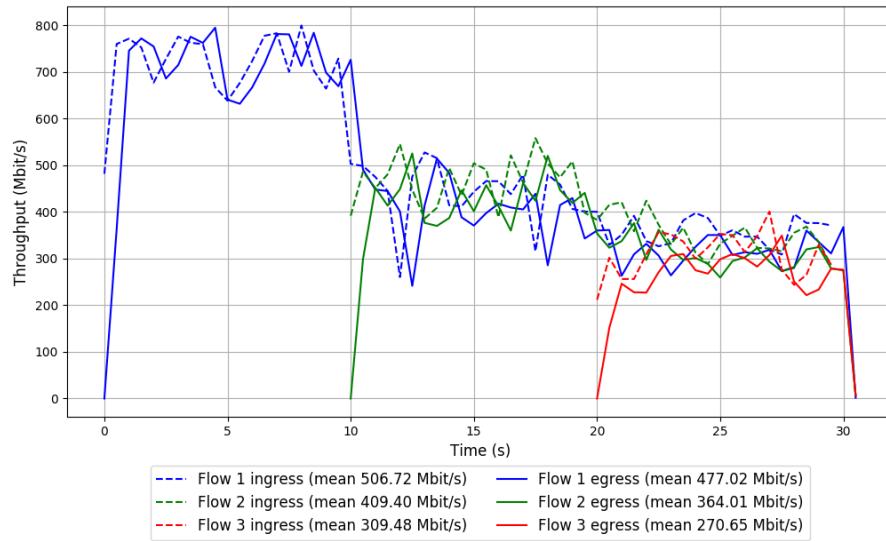


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-05 11:52:51
End at: 2018-06-05 11:53:21
Local clock offset: 0.219 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2018-06-05 16:06:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 809.52 Mbit/s
95th percentile per-packet one-way delay: 32.544 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 477.02 Mbit/s
95th percentile per-packet one-way delay: 33.539 ms
Loss rate: 5.86%
-- Flow 2:
Average throughput: 364.01 Mbit/s
95th percentile per-packet one-way delay: 26.358 ms
Loss rate: 11.08%
-- Flow 3:
Average throughput: 270.65 Mbit/s
95th percentile per-packet one-way delay: 20.343 ms
Loss rate: 12.56%
```

Run 2: Report of TCP BBR — Data Link

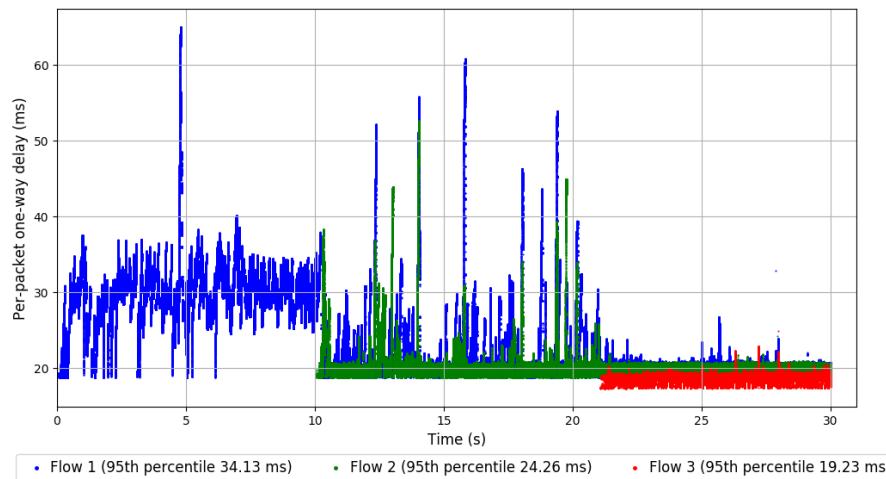
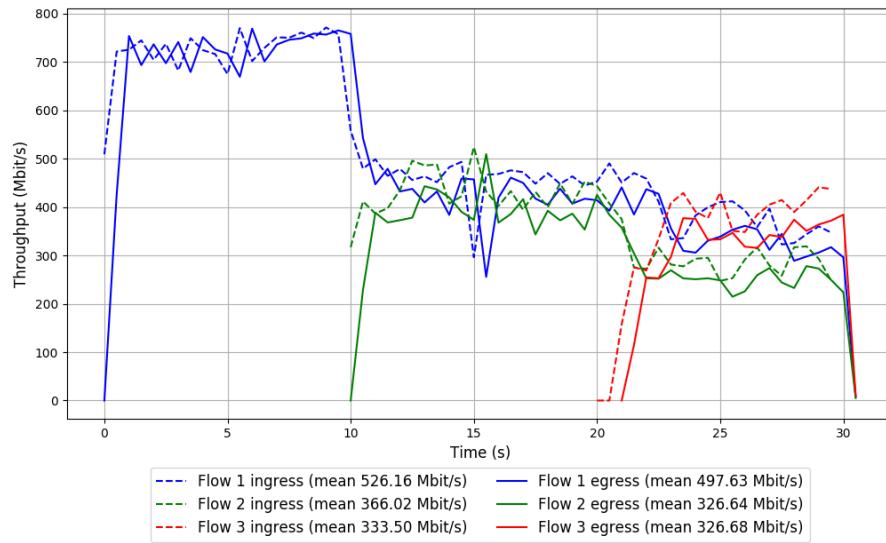


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-05 12:18:42
End at: 2018-06-05 12:19:12
Local clock offset: 0.223 ms
Remote clock offset: 0.371 ms

# Below is generated by plot.py at 2018-06-05 16:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.81 Mbit/s
95th percentile per-packet one-way delay: 33.194 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 497.63 Mbit/s
95th percentile per-packet one-way delay: 34.133 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 326.64 Mbit/s
95th percentile per-packet one-way delay: 24.264 ms
Loss rate: 10.76%
-- Flow 3:
Average throughput: 326.68 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 12.07%
```

Run 3: Report of TCP BBR — Data Link

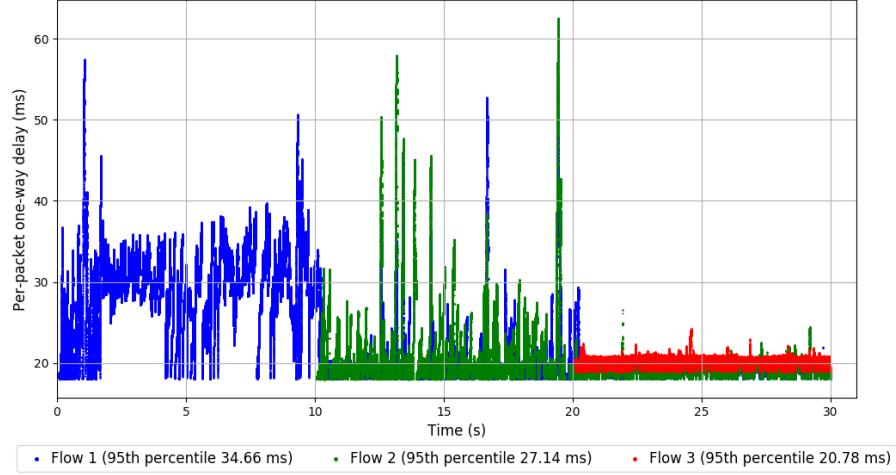
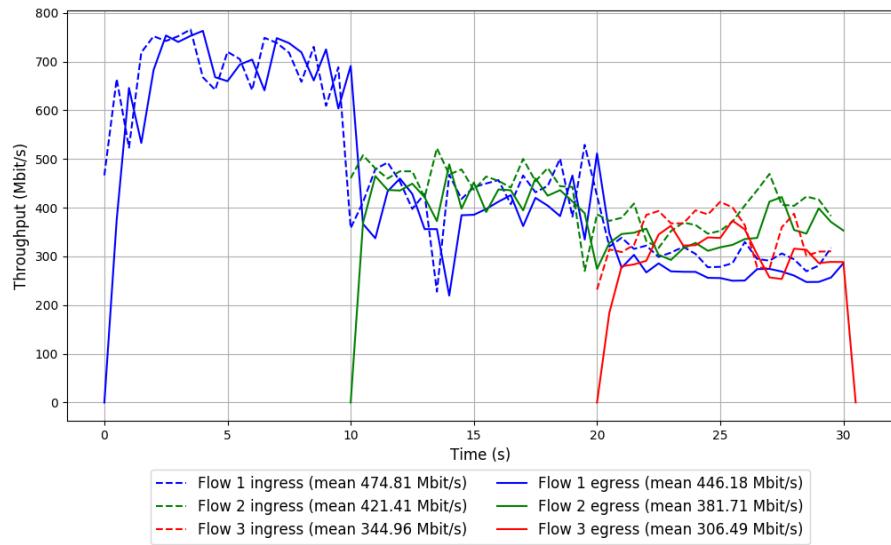


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-05 12:44:12
End at: 2018-06-05 12:44:42
Local clock offset: 0.285 ms
Remote clock offset: -0.423 ms

# Below is generated by plot.py at 2018-06-05 16:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 802.22 Mbit/s
95th percentile per-packet one-way delay: 33.723 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 446.18 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 381.71 Mbit/s
95th percentile per-packet one-way delay: 27.144 ms
Loss rate: 9.42%
-- Flow 3:
Average throughput: 306.49 Mbit/s
95th percentile per-packet one-way delay: 20.778 ms
Loss rate: 11.16%
```

Run 4: Report of TCP BBR — Data Link

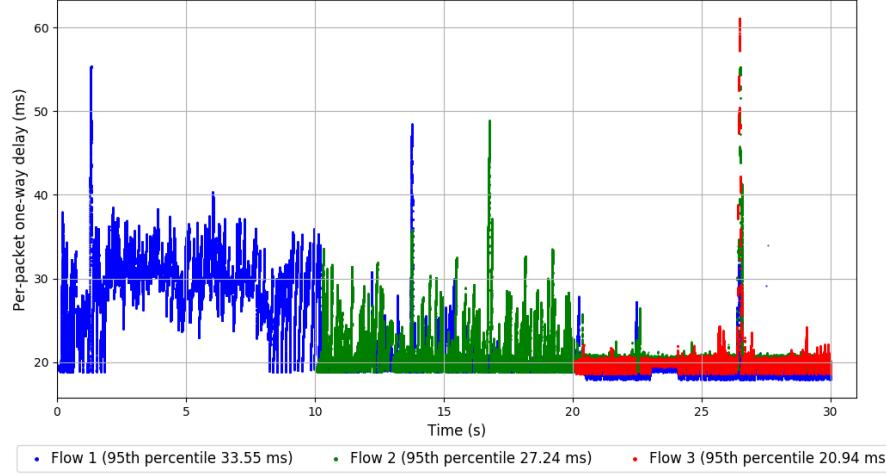
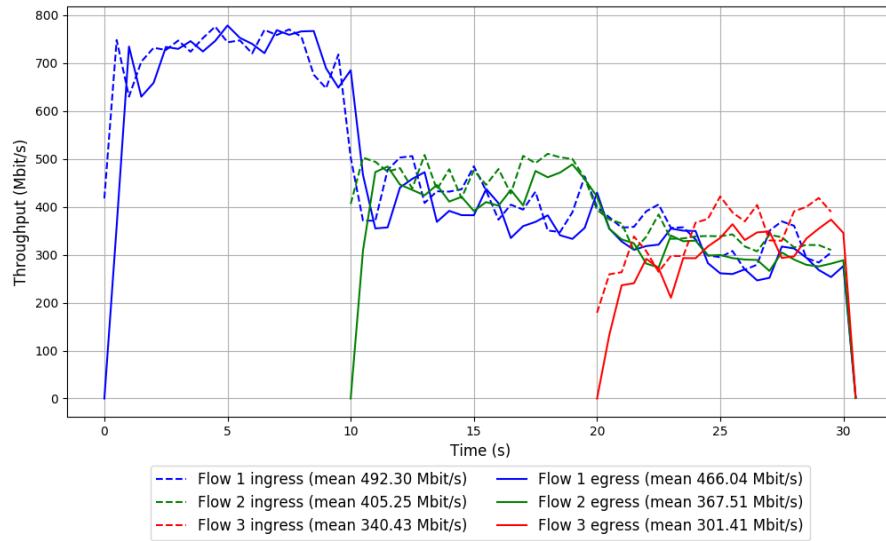


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-05 13:09:47
End at: 2018-06-05 13:10:17
Local clock offset: 0.297 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2018-06-05 16:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 811.22 Mbit/s
95th percentile per-packet one-way delay: 32.676 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 466.04 Mbit/s
95th percentile per-packet one-way delay: 33.548 ms
Loss rate: 5.33%
-- Flow 2:
Average throughput: 367.51 Mbit/s
95th percentile per-packet one-way delay: 27.243 ms
Loss rate: 9.31%
-- Flow 3:
Average throughput: 301.41 Mbit/s
95th percentile per-packet one-way delay: 20.940 ms
Loss rate: 11.46%
```

Run 5: Report of TCP BBR — Data Link

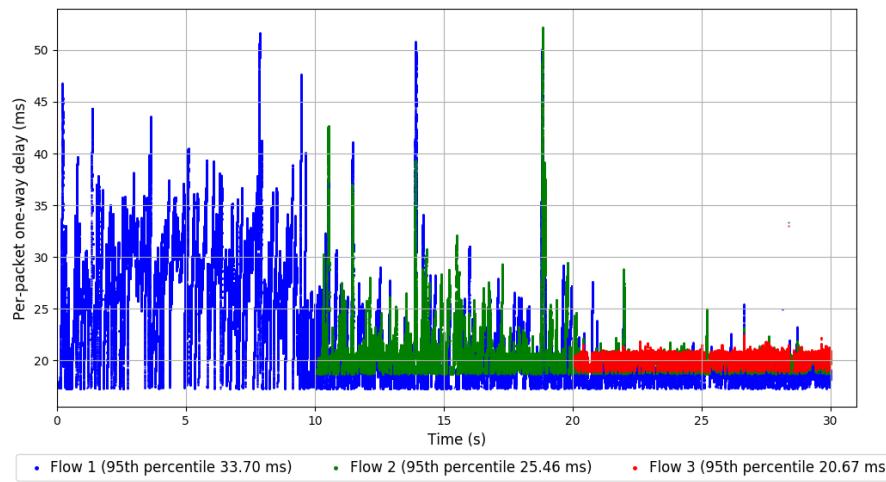
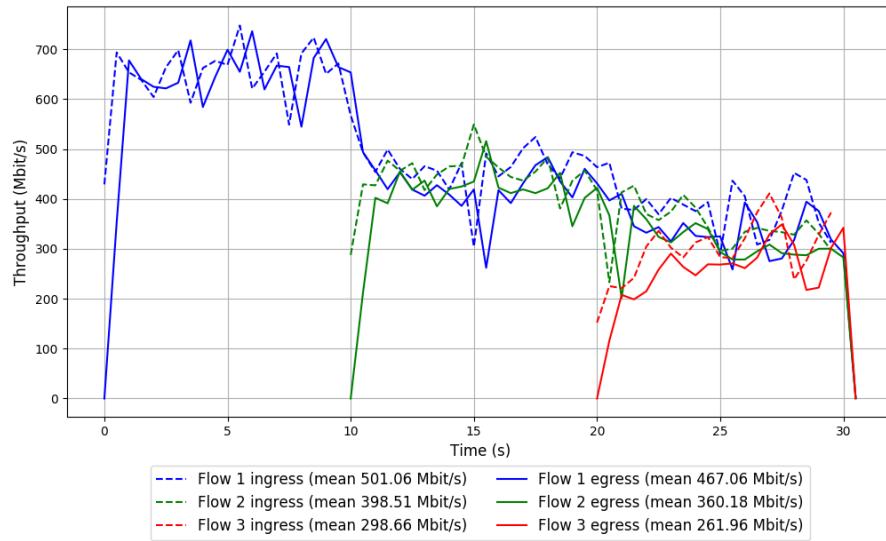


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-05 13:35:18
End at: 2018-06-05 13:35:48
Local clock offset: 0.294 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-06-05 16:06:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 794.02 Mbit/s
95th percentile per-packet one-way delay: 32.373 ms
Loss rate: 8.28%
-- Flow 1:
Average throughput: 467.06 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 6.78%
-- Flow 2:
Average throughput: 360.18 Mbit/s
95th percentile per-packet one-way delay: 25.465 ms
Loss rate: 9.62%
-- Flow 3:
Average throughput: 261.96 Mbit/s
95th percentile per-packet one-way delay: 20.670 ms
Loss rate: 12.30%
```

Run 6: Report of TCP BBR — Data Link

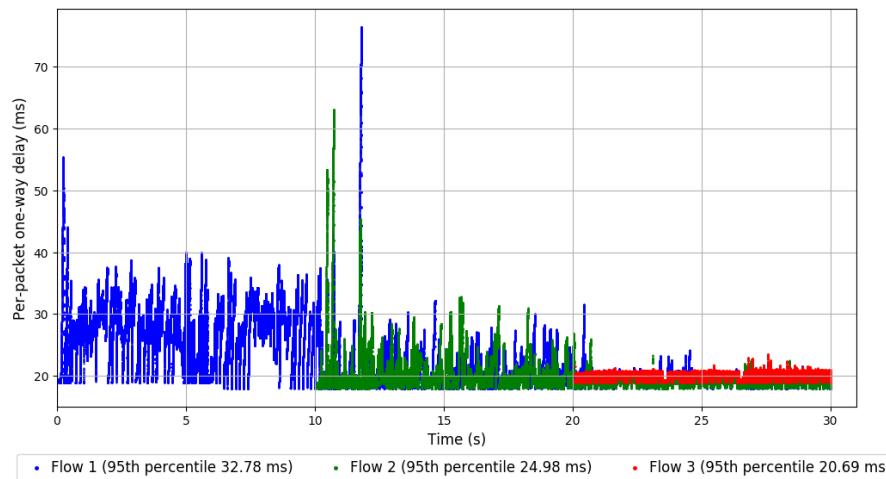
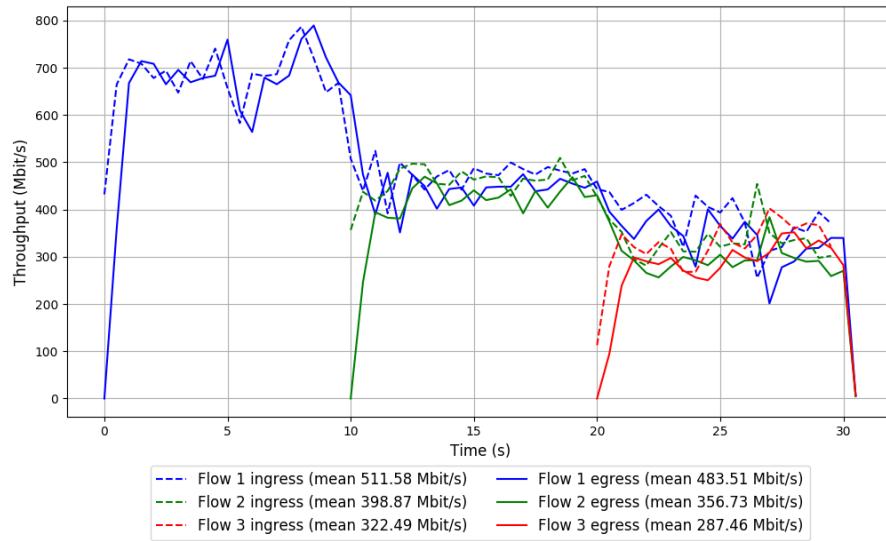


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-05 14:00:58
End at: 2018-06-05 14:01:28
Local clock offset: 0.42 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-06-05 16:06:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 816.71 Mbit/s
95th percentile per-packet one-way delay: 31.555 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 483.51 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 5.49%
-- Flow 2:
Average throughput: 356.73 Mbit/s
95th percentile per-packet one-way delay: 24.977 ms
Loss rate: 10.56%
-- Flow 3:
Average throughput: 287.46 Mbit/s
95th percentile per-packet one-way delay: 20.689 ms
Loss rate: 10.87%
```

Run 7: Report of TCP BBR — Data Link

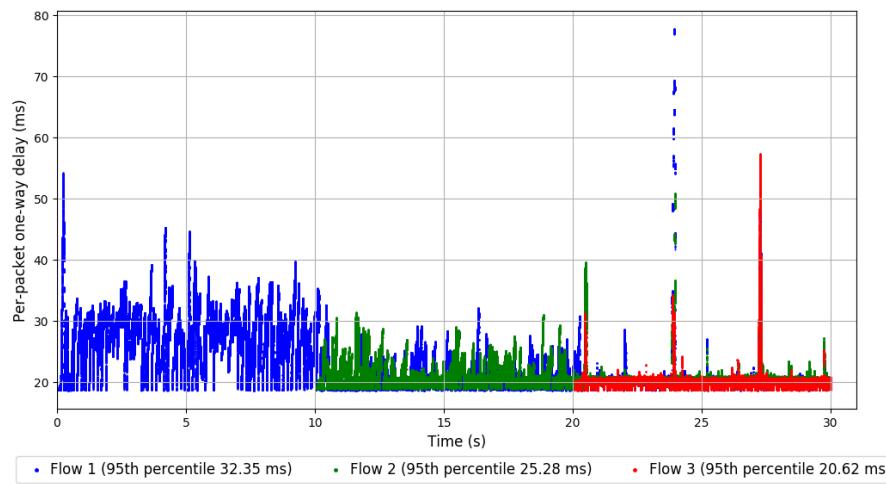
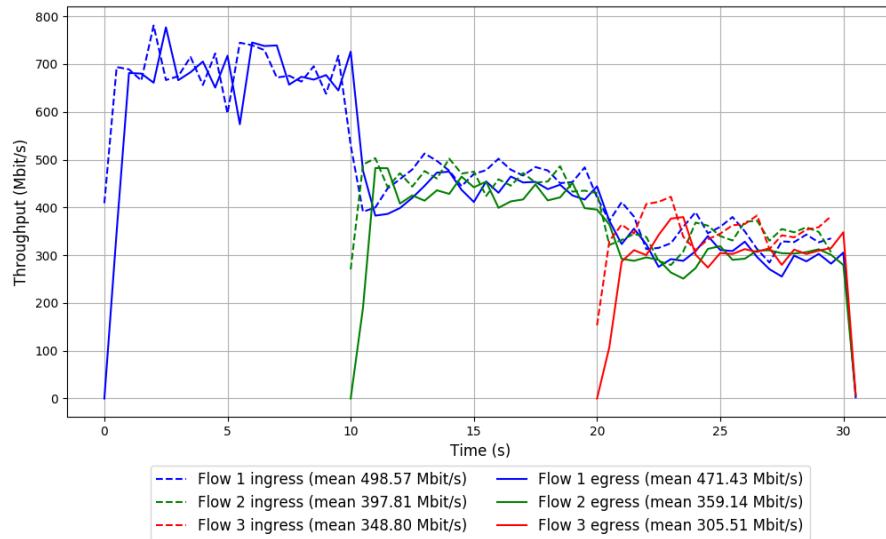


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-05 14:26:30
End at: 2018-06-05 14:27:00
Local clock offset: 0.351 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2018-06-05 16:06:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.28 Mbit/s
95th percentile per-packet one-way delay: 31.202 ms
Loss rate: 7.65%
-- Flow 1:
Average throughput: 471.43 Mbit/s
95th percentile per-packet one-way delay: 32.348 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 359.14 Mbit/s
95th percentile per-packet one-way delay: 25.277 ms
Loss rate: 9.72%
-- Flow 3:
Average throughput: 305.51 Mbit/s
95th percentile per-packet one-way delay: 20.625 ms
Loss rate: 12.42%
```

Run 8: Report of TCP BBR — Data Link

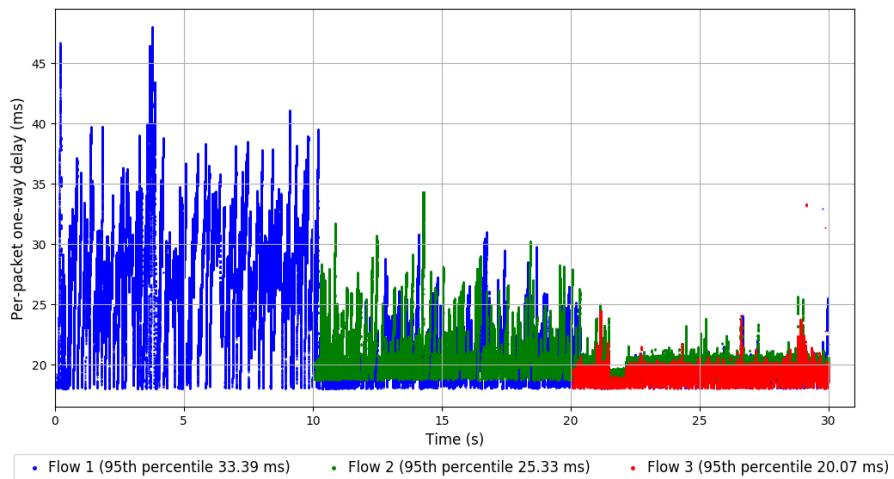
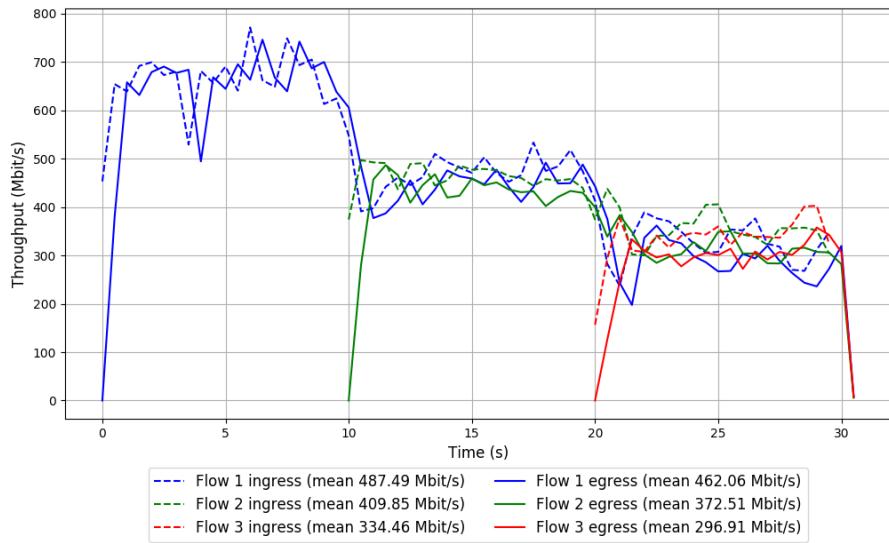


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-05 14:52:13
End at: 2018-06-05 14:52:43
Local clock offset: 0.255 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-06-05 16:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 808.90 Mbit/s
95th percentile per-packet one-way delay: 31.898 ms
Loss rate: 7.20%
-- Flow 1:
Average throughput: 462.06 Mbit/s
95th percentile per-packet one-way delay: 33.387 ms
Loss rate: 5.21%
-- Flow 2:
Average throughput: 372.51 Mbit/s
95th percentile per-packet one-way delay: 25.330 ms
Loss rate: 9.10%
-- Flow 3:
Average throughput: 296.91 Mbit/s
95th percentile per-packet one-way delay: 20.068 ms
Loss rate: 11.22%
```

Run 9: Report of TCP BBR — Data Link

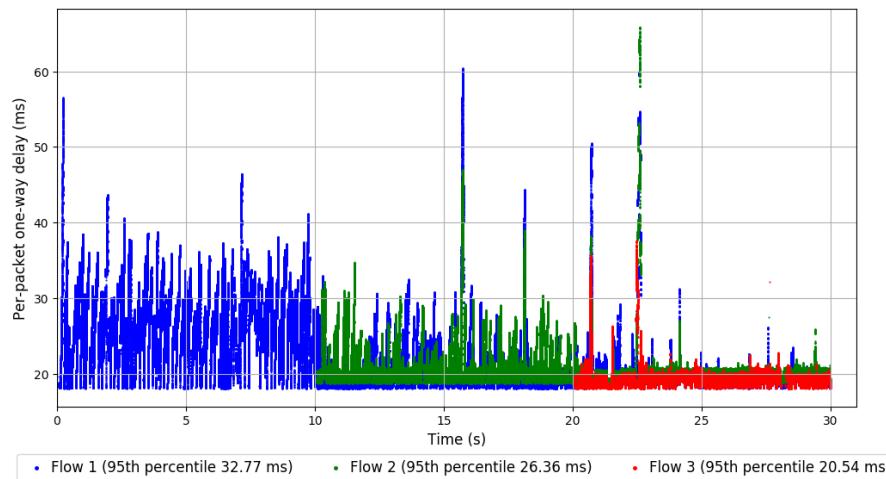
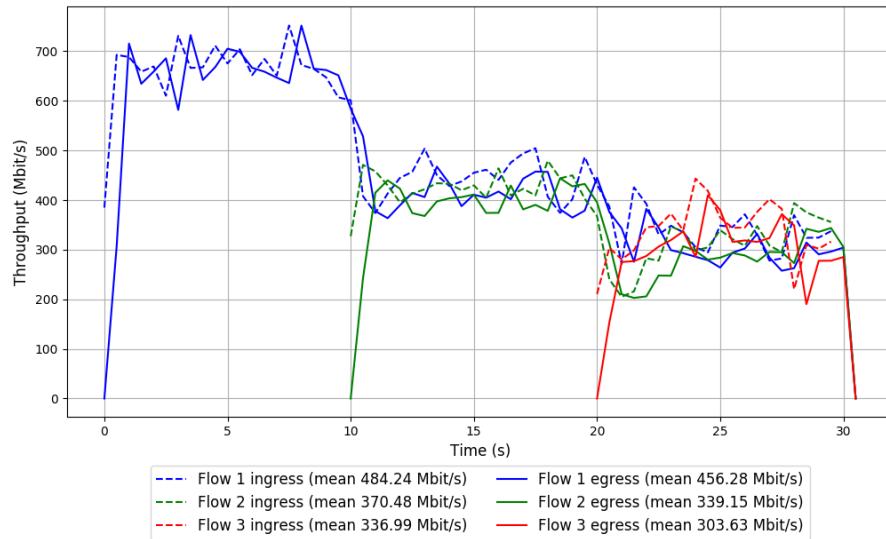


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-05 15:17:57
End at: 2018-06-05 15:18:27
Local clock offset: 0.385 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-06-05 16:15:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 783.22 Mbit/s
95th percentile per-packet one-way delay: 31.315 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 456.28 Mbit/s
95th percentile per-packet one-way delay: 32.773 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 339.15 Mbit/s
95th percentile per-packet one-way delay: 26.360 ms
Loss rate: 8.46%
-- Flow 3:
Average throughput: 303.63 Mbit/s
95th percentile per-packet one-way delay: 20.542 ms
Loss rate: 9.91%
```

Run 10: Report of TCP BBR — Data Link

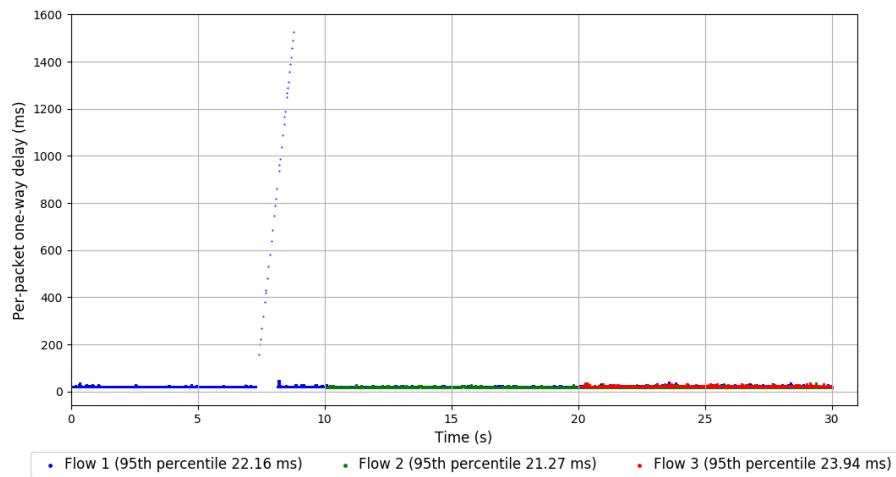
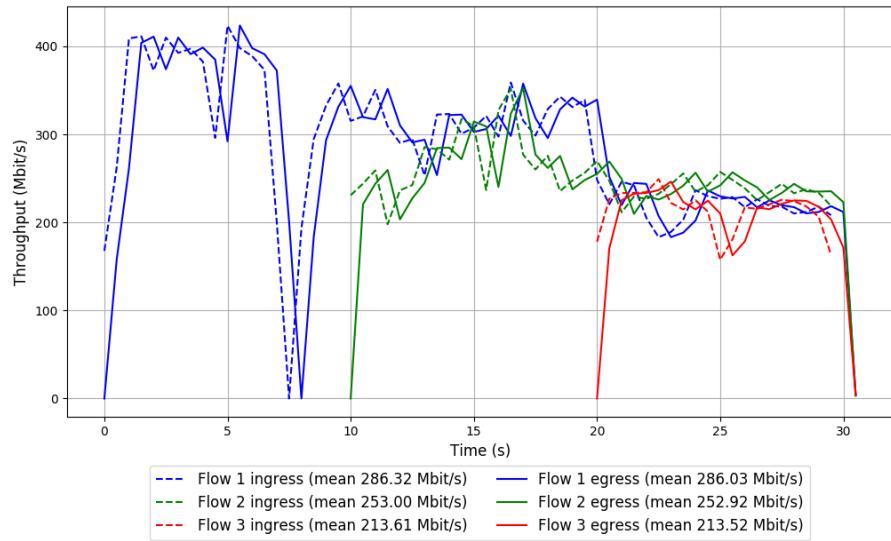


Run 1: Statistics of Copa

```
Start at: 2018-06-05 11:30:36
End at: 2018-06-05 11:31:06
Local clock offset: 0.301 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-06-05 16:18:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 525.52 Mbit/s
95th percentile per-packet one-way delay: 22.238 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 286.03 Mbit/s
95th percentile per-packet one-way delay: 22.163 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 252.92 Mbit/s
95th percentile per-packet one-way delay: 21.266 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 213.52 Mbit/s
95th percentile per-packet one-way delay: 23.937 ms
Loss rate: 0.04%
```

Run 1: Report of Copa — Data Link

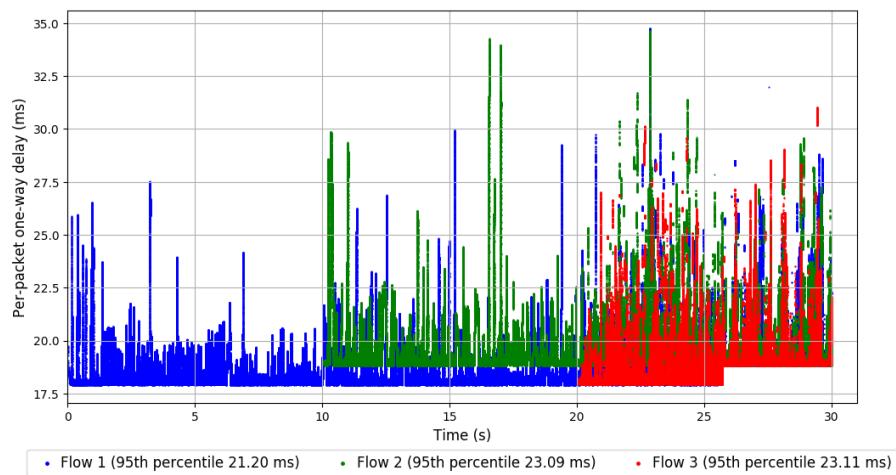
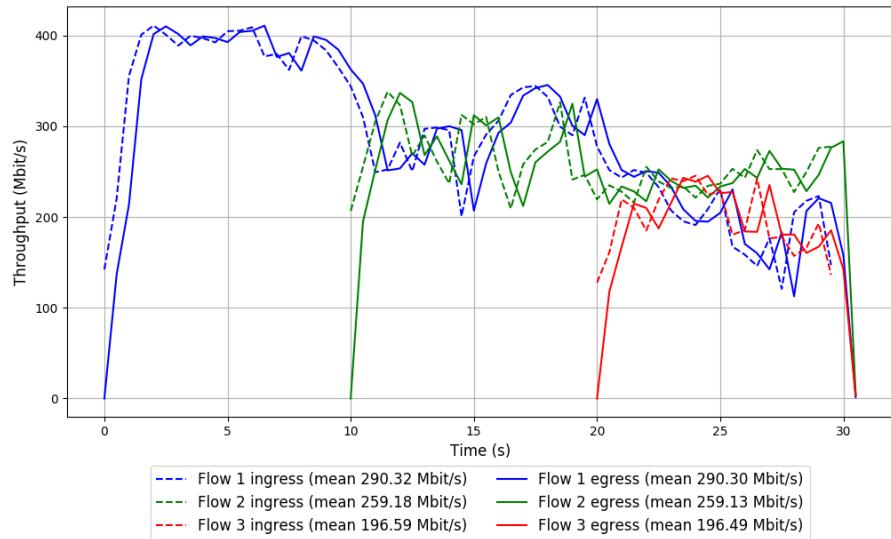


Run 2: Statistics of Copa

```
Start at: 2018-06-05 11:56:07
End at: 2018-06-05 11:56:37
Local clock offset: 0.224 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-06-05 16:18:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 528.24 Mbit/s
95th percentile per-packet one-way delay: 22.139 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 290.30 Mbit/s
95th percentile per-packet one-way delay: 21.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 259.13 Mbit/s
95th percentile per-packet one-way delay: 23.094 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 196.49 Mbit/s
95th percentile per-packet one-way delay: 23.106 ms
Loss rate: 0.05%
```

Run 2: Report of Copa — Data Link

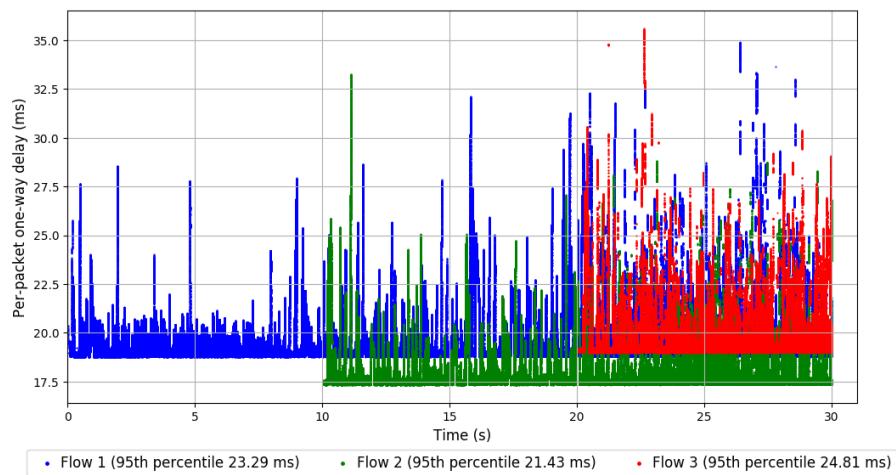
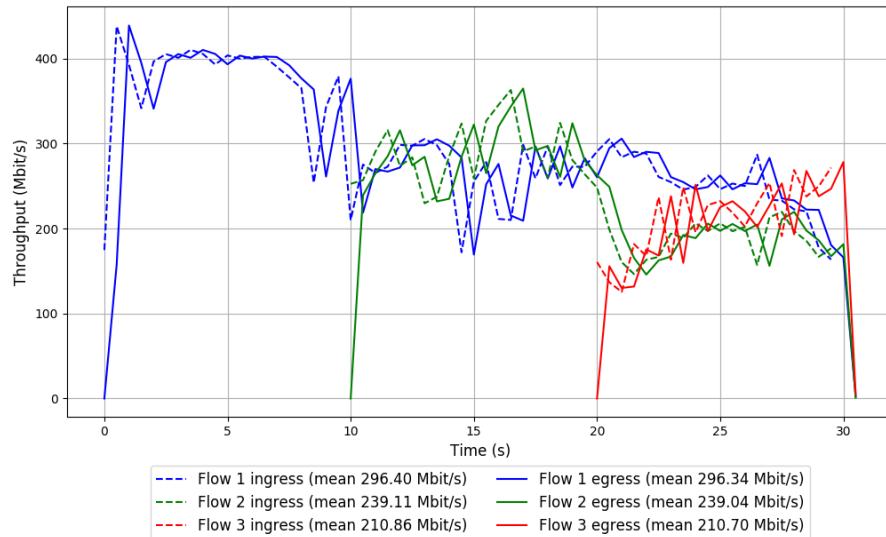


Run 3: Statistics of Copa

```
Start at: 2018-06-05 12:21:58
End at: 2018-06-05 12:22:28
Local clock offset: 0.214 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2018-06-05 16:18:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 525.58 Mbit/s
95th percentile per-packet one-way delay: 23.064 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 296.34 Mbit/s
95th percentile per-packet one-way delay: 23.294 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 239.04 Mbit/s
95th percentile per-packet one-way delay: 21.434 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 210.70 Mbit/s
95th percentile per-packet one-way delay: 24.811 ms
Loss rate: 0.08%
```

Run 3: Report of Copa — Data Link

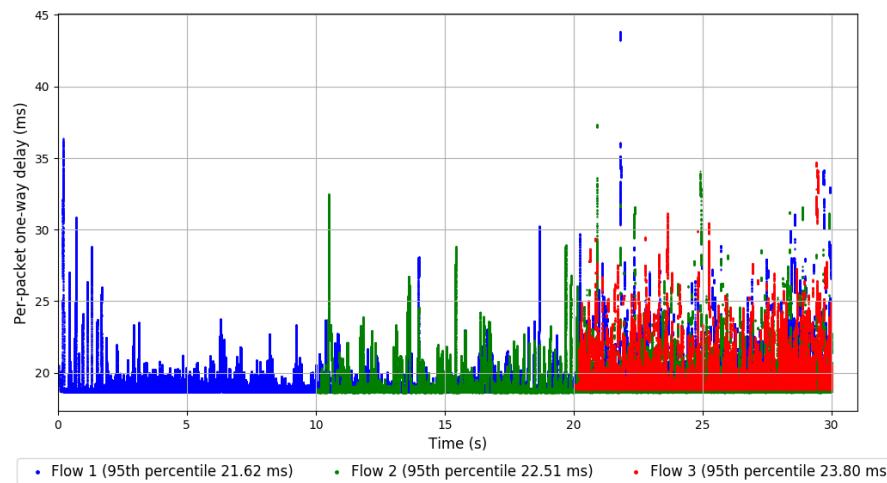
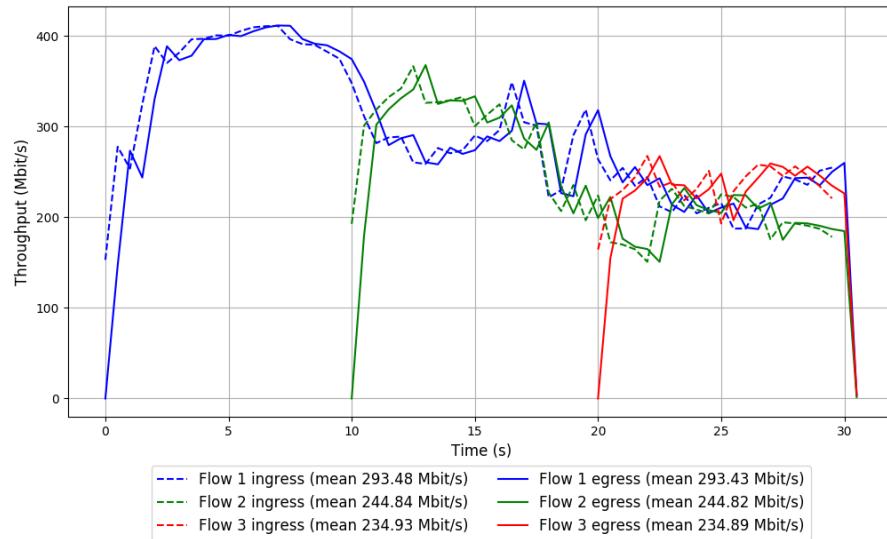


Run 4: Statistics of Copa

```
Start at: 2018-06-05 12:47:23
End at: 2018-06-05 12:47:53
Local clock offset: 0.3 ms
Remote clock offset: -0.501 ms

# Below is generated by plot.py at 2018-06-05 16:18:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 534.55 Mbit/s
95th percentile per-packet one-way delay: 22.389 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 293.43 Mbit/s
95th percentile per-packet one-way delay: 21.621 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 244.82 Mbit/s
95th percentile per-packet one-way delay: 22.512 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 234.89 Mbit/s
95th percentile per-packet one-way delay: 23.803 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link

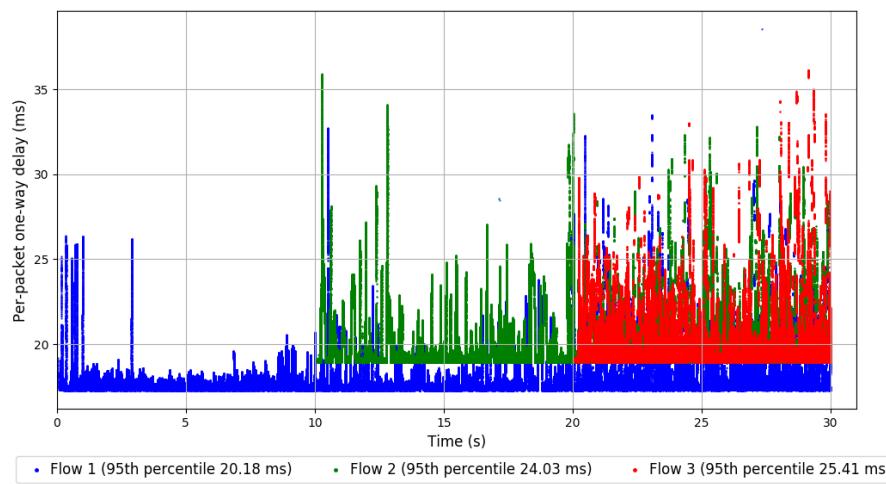
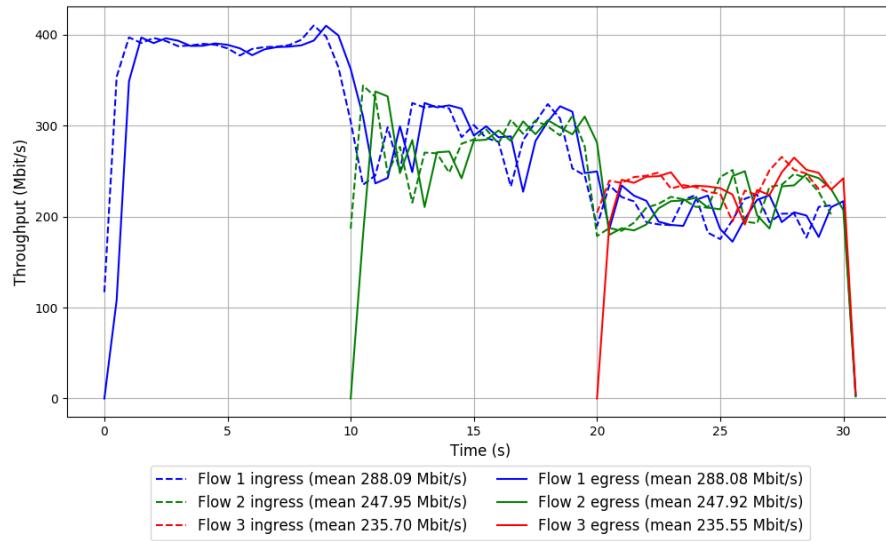


Run 5: Statistics of Copa

```
Start at: 2018-06-05 13:13:04
End at: 2018-06-05 13:13:34
Local clock offset: 0.202 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-06-05 16:18:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.47 Mbit/s
95th percentile per-packet one-way delay: 23.094 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 288.08 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 247.92 Mbit/s
95th percentile per-packet one-way delay: 24.029 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 235.55 Mbit/s
95th percentile per-packet one-way delay: 25.409 ms
Loss rate: 0.06%
```

Run 5: Report of Copa — Data Link

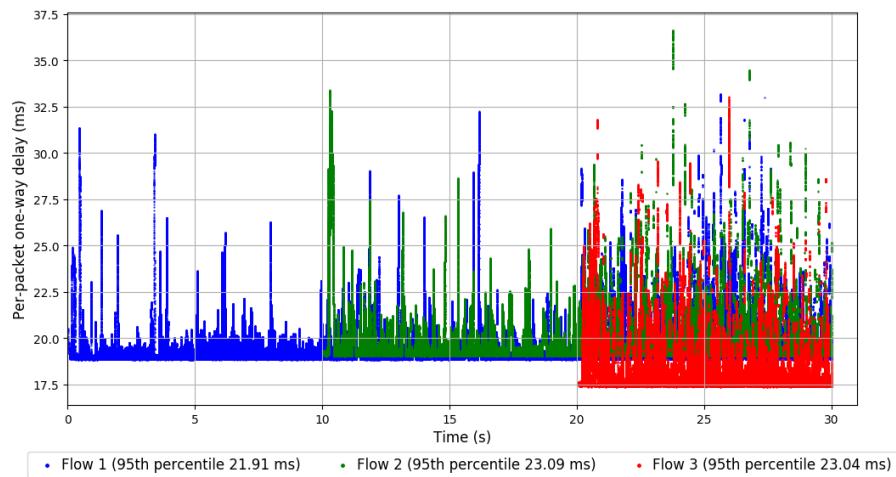
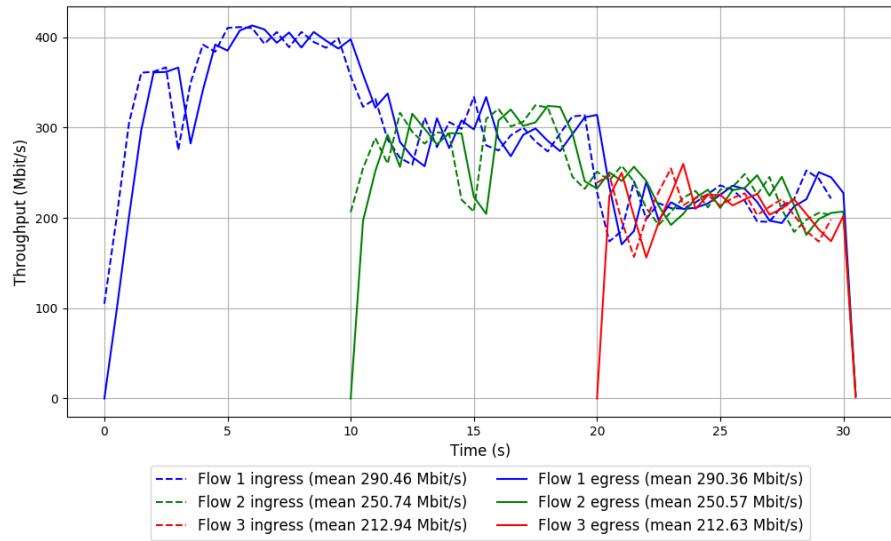


Run 6: Statistics of Copa

```
Start at: 2018-06-05 13:38:31
End at: 2018-06-05 13:39:01
Local clock offset: 0.189 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2018-06-05 16:18:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 527.93 Mbit/s
95th percentile per-packet one-way delay: 22.435 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 290.36 Mbit/s
95th percentile per-packet one-way delay: 21.908 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 250.57 Mbit/s
95th percentile per-packet one-way delay: 23.086 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 212.63 Mbit/s
95th percentile per-packet one-way delay: 23.039 ms
Loss rate: 0.14%
```

Run 6: Report of Copa — Data Link

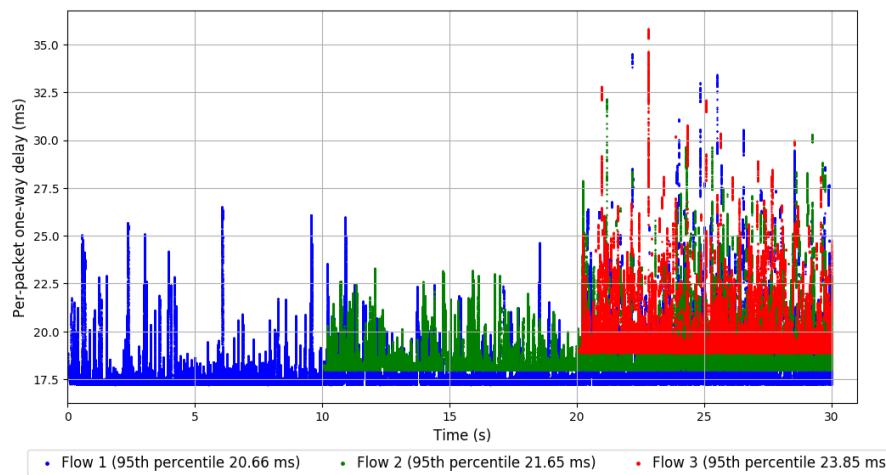
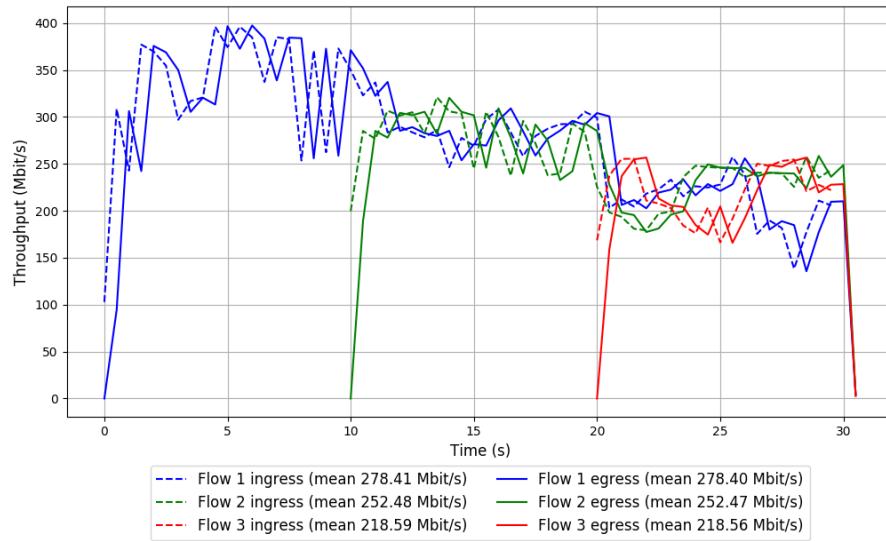


Run 7: Statistics of Copa

```
Start at: 2018-06-05 14:04:18
End at: 2018-06-05 14:04:48
Local clock offset: 0.34 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-05 16:28:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 519.26 Mbit/s
95th percentile per-packet one-way delay: 21.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 278.40 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 252.47 Mbit/s
95th percentile per-packet one-way delay: 21.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 23.847 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

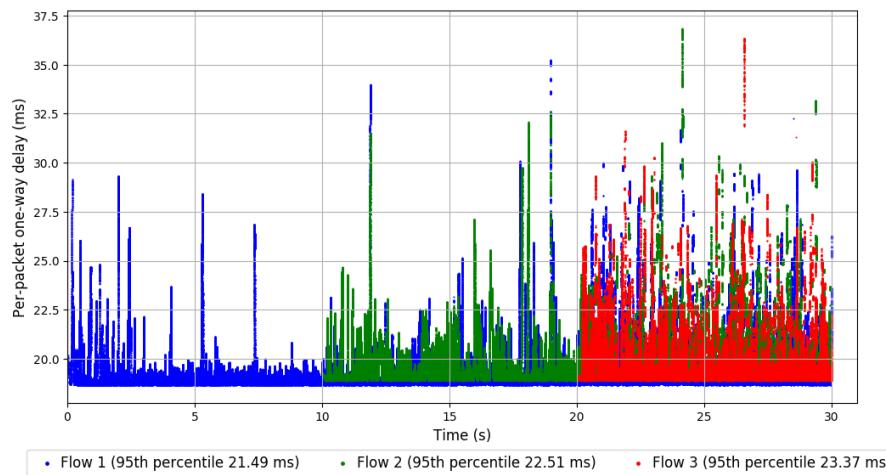
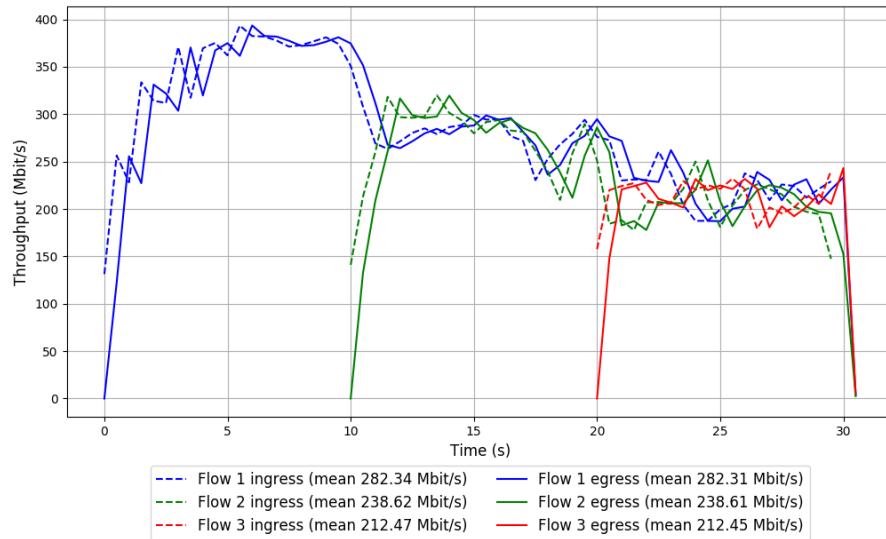


Run 8: Statistics of Copa

```
Start at: 2018-06-05 14:29:42
End at: 2018-06-05 14:30:13
Local clock offset: 0.306 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-06-05 16:28:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 511.87 Mbit/s
95th percentile per-packet one-way delay: 22.224 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 282.31 Mbit/s
95th percentile per-packet one-way delay: 21.492 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.61 Mbit/s
95th percentile per-packet one-way delay: 22.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 212.45 Mbit/s
95th percentile per-packet one-way delay: 23.368 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

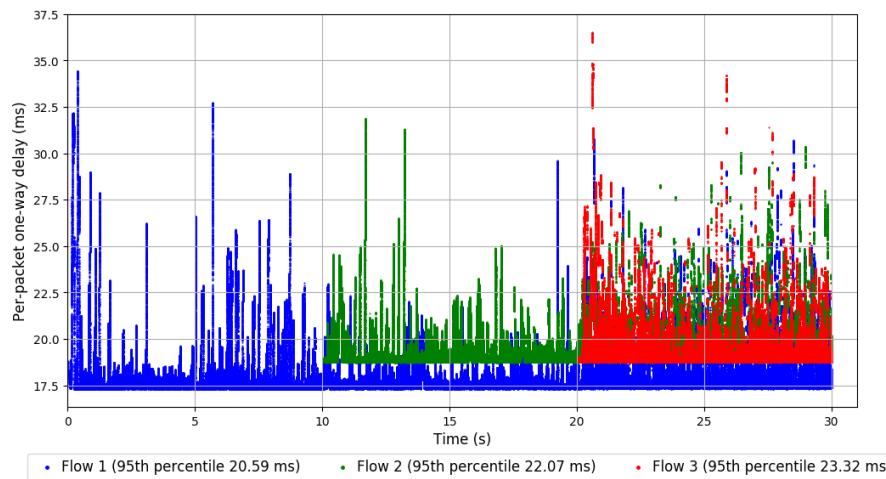
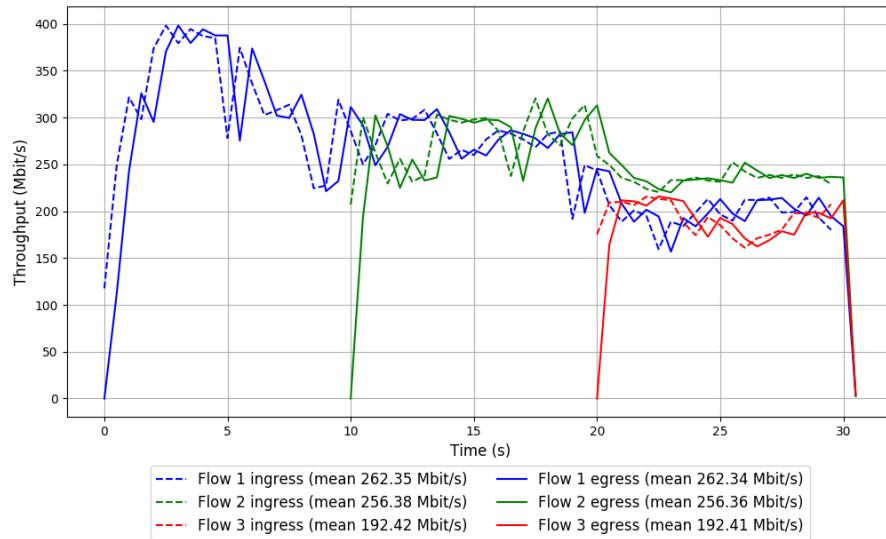


Run 9: Statistics of Copa

```
Start at: 2018-06-05 14:55:34
End at: 2018-06-05 14:56:04
Local clock offset: 0.319 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-06-05 16:29:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 497.07 Mbit/s
95th percentile per-packet one-way delay: 21.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.34 Mbit/s
95th percentile per-packet one-way delay: 20.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 256.36 Mbit/s
95th percentile per-packet one-way delay: 22.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.41 Mbit/s
95th percentile per-packet one-way delay: 23.315 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

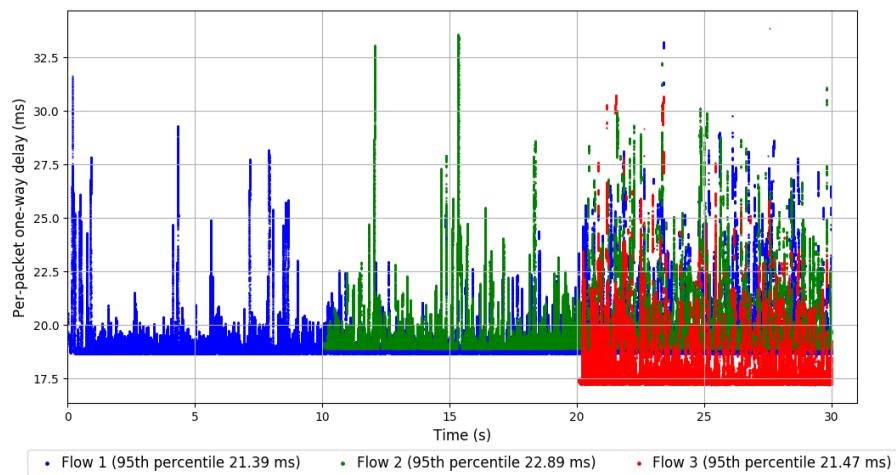
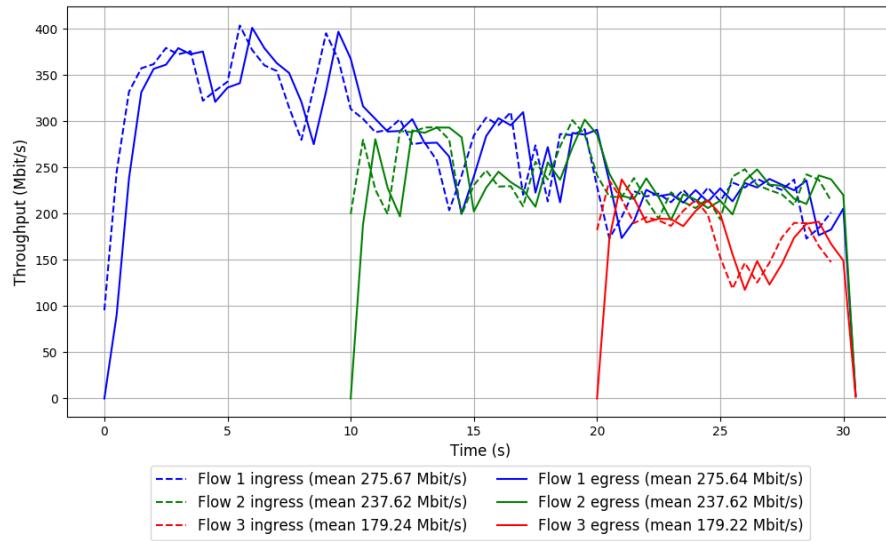


Run 10: Statistics of Copa

```
Start at: 2018-06-05 15:21:10
End at: 2018-06-05 15:21:40
Local clock offset: 0.431 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.52 Mbit/s
95th percentile per-packet one-way delay: 21.955 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 275.64 Mbit/s
95th percentile per-packet one-way delay: 21.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 22.894 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 179.22 Mbit/s
95th percentile per-packet one-way delay: 21.474 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link

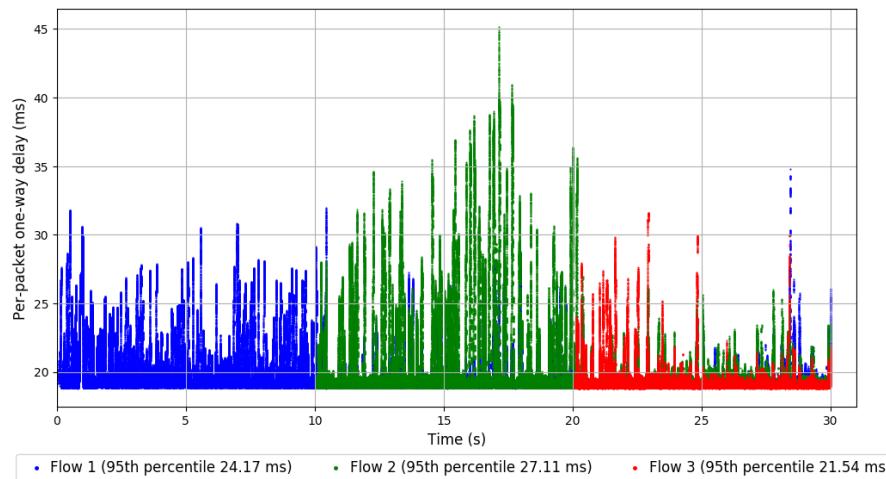
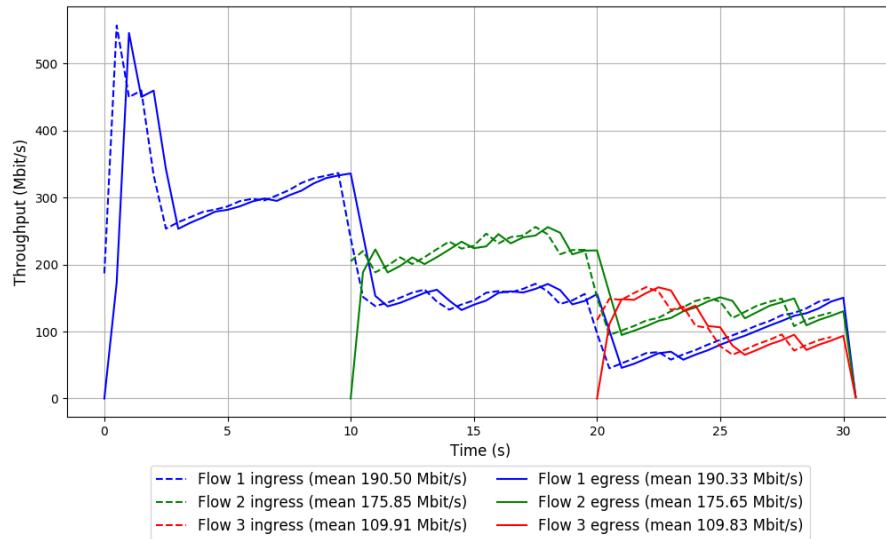


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 11:38:37
End at: 2018-06-05 11:39:07
Local clock offset: 0.233 ms
Remote clock offset: 0.265 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 343.85 Mbit/s
95th percentile per-packet one-way delay: 24.797 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 190.33 Mbit/s
95th percentile per-packet one-way delay: 24.172 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 175.65 Mbit/s
95th percentile per-packet one-way delay: 27.112 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 109.83 Mbit/s
95th percentile per-packet one-way delay: 21.540 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Cubic — Data Link

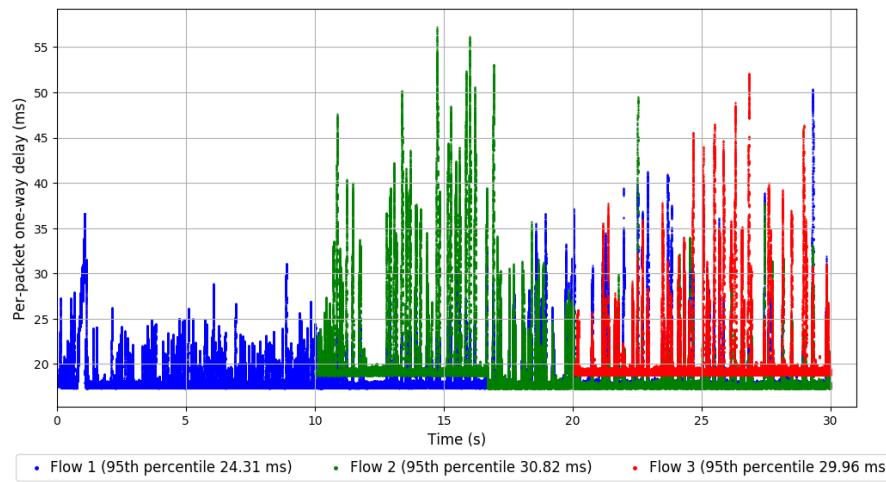
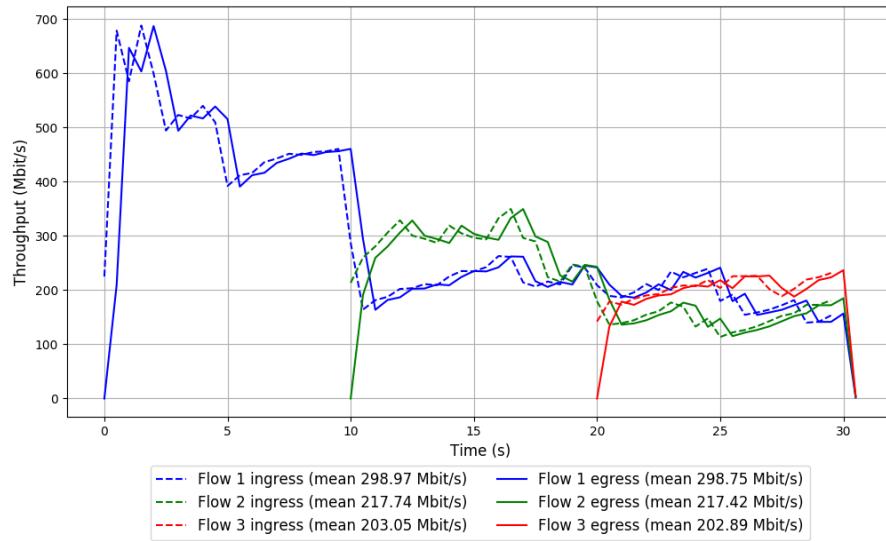


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:04:18
End at: 2018-06-05 12:04:48
Local clock offset: 0.171 ms
Remote clock offset: 0.362 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 511.01 Mbit/s
95th percentile per-packet one-way delay: 26.661 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 298.75 Mbit/s
95th percentile per-packet one-way delay: 24.306 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 217.42 Mbit/s
95th percentile per-packet one-way delay: 30.816 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 202.89 Mbit/s
95th percentile per-packet one-way delay: 29.959 ms
Loss rate: 0.07%
```

Run 2: Report of TCP Cubic — Data Link

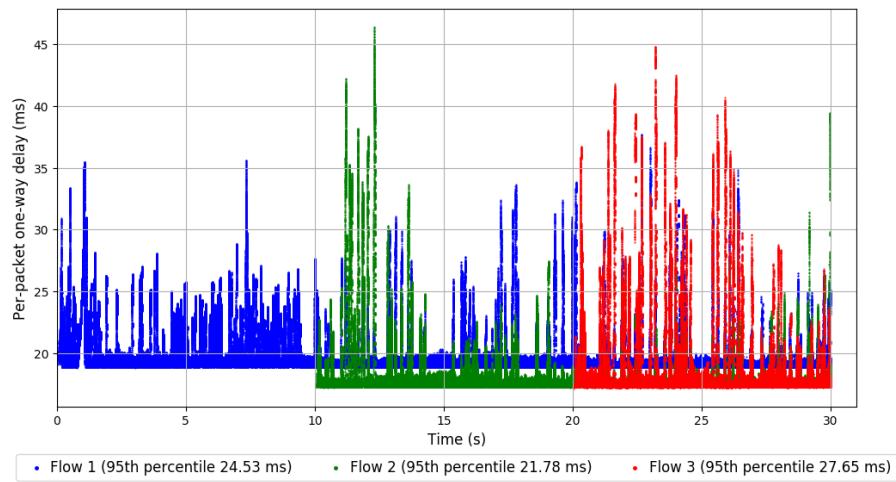
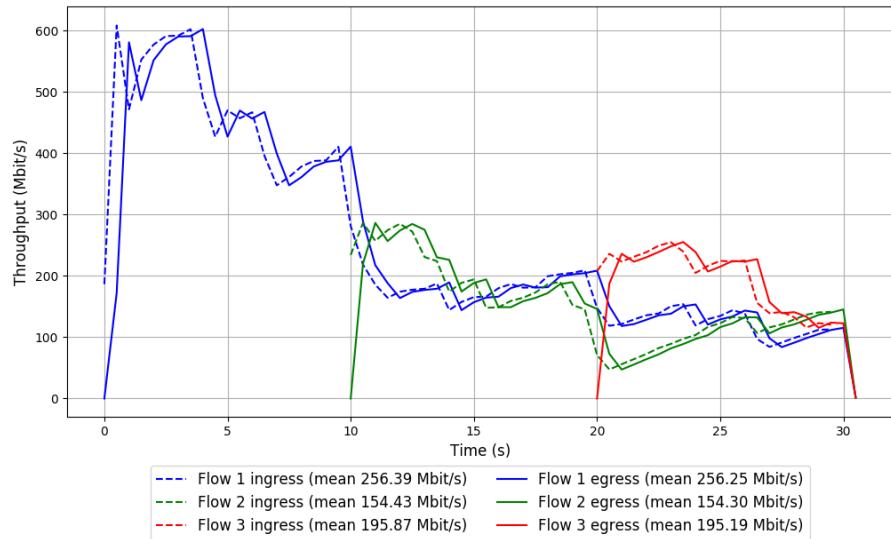


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:29:55
End at: 2018-06-05 12:30:25
Local clock offset: 0.283 ms
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 423.92 Mbit/s
95th percentile per-packet one-way delay: 24.562 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 256.25 Mbit/s
95th percentile per-packet one-way delay: 24.527 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 154.30 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 195.19 Mbit/s
95th percentile per-packet one-way delay: 27.648 ms
Loss rate: 0.35%
```

Run 3: Report of TCP Cubic — Data Link

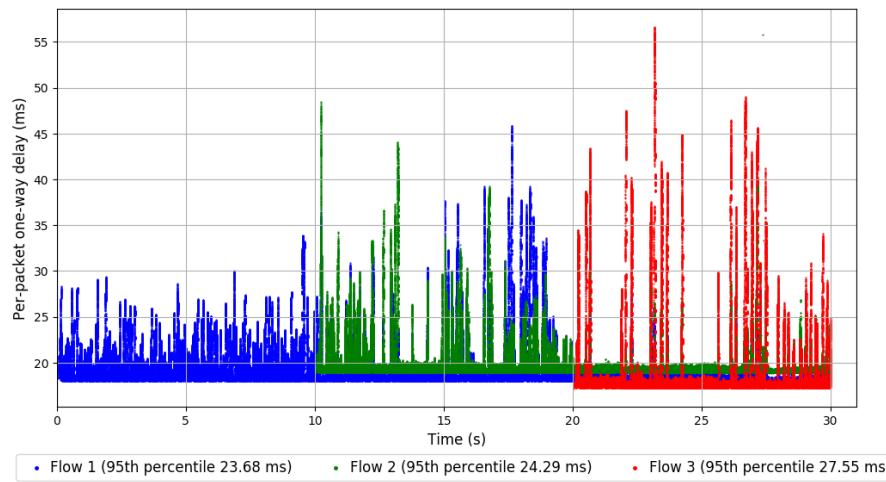
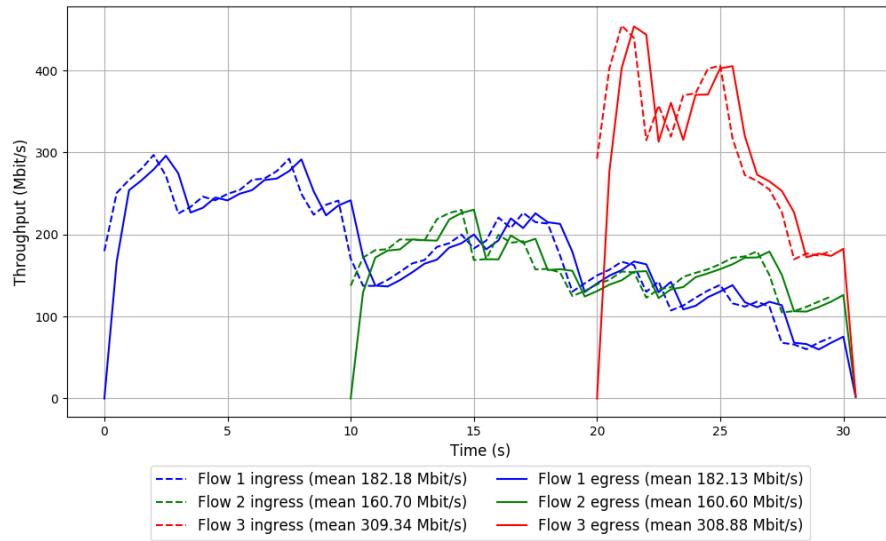


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-05 12:55:22
End at: 2018-06-05 12:55:52
Local clock offset: 0.257 ms
Remote clock offset: -0.258 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.83 Mbit/s
95th percentile per-packet one-way delay: 24.322 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 23.679 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 160.60 Mbit/s
95th percentile per-packet one-way delay: 24.294 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 308.88 Mbit/s
95th percentile per-packet one-way delay: 27.553 ms
Loss rate: 0.13%
```

Run 4: Report of TCP Cubic — Data Link

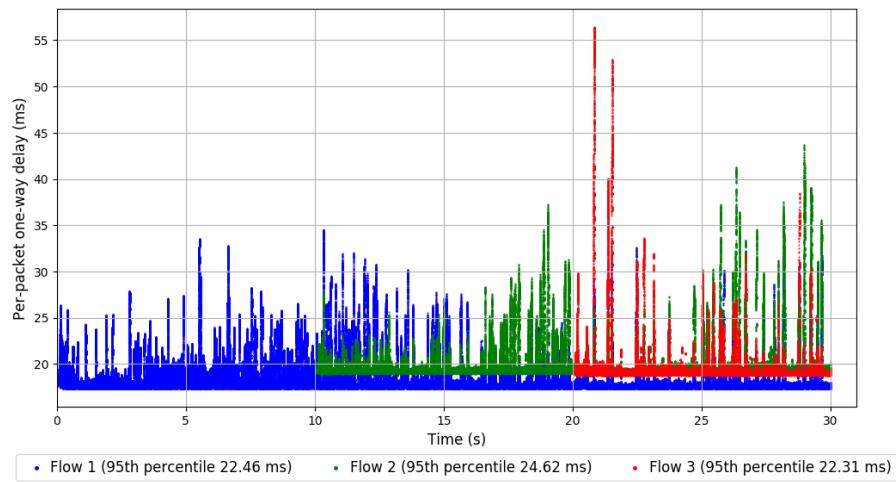
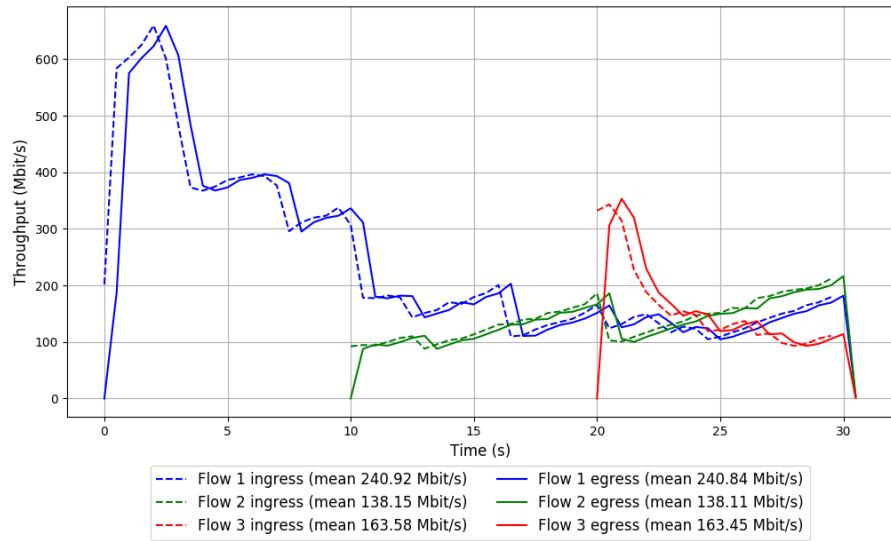


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-05 13:21:05
End at: 2018-06-05 13:21:35
Local clock offset: 0.184 ms
Remote clock offset: 0.218 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.17 Mbit/s
95th percentile per-packet one-way delay: 22.880 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 240.84 Mbit/s
95th percentile per-packet one-way delay: 22.464 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 138.11 Mbit/s
95th percentile per-packet one-way delay: 24.624 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 163.45 Mbit/s
95th percentile per-packet one-way delay: 22.312 ms
Loss rate: 0.07%
```

Run 5: Report of TCP Cubic — Data Link

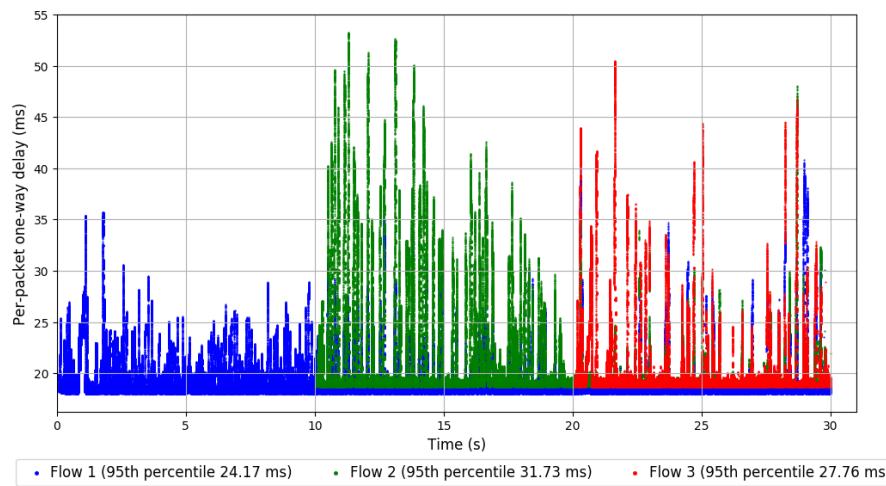
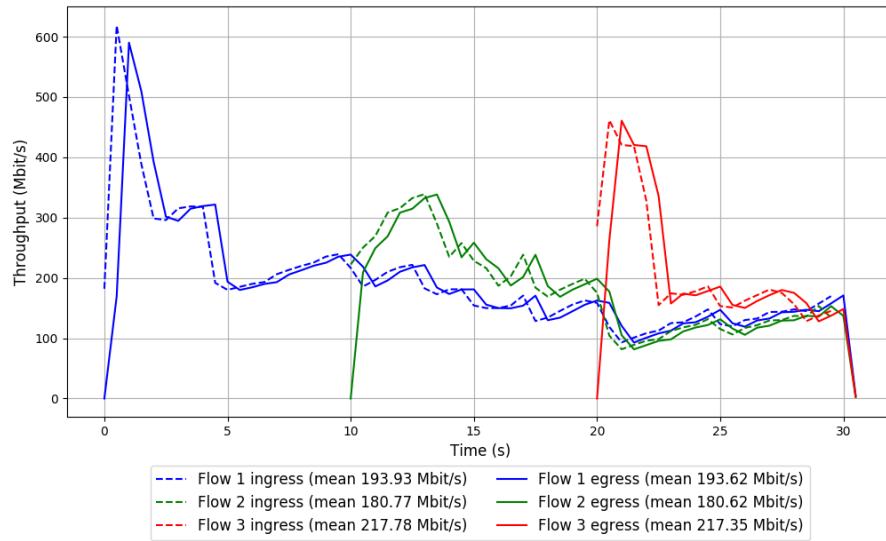


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-05 13:46:33
End at: 2018-06-05 13:47:03
Local clock offset: 0.333 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.16 Mbit/s
95th percentile per-packet one-way delay: 26.502 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 193.62 Mbit/s
95th percentile per-packet one-way delay: 24.166 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 180.62 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 27.756 ms
Loss rate: 0.19%
```

Run 6: Report of TCP Cubic — Data Link

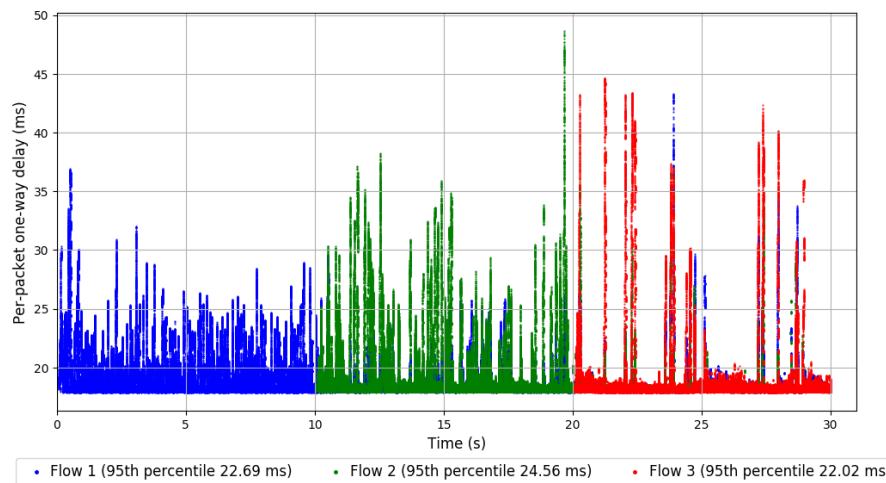
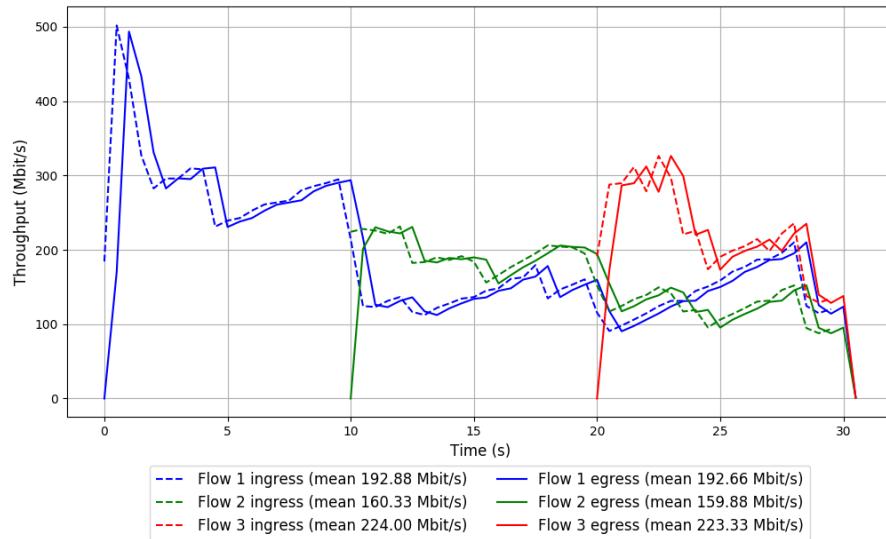


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-05 14:12:20
End at: 2018-06-05 14:12:50
Local clock offset: 0.474 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-06-05 16:29:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 373.41 Mbit/s
95th percentile per-packet one-way delay: 23.092 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 192.66 Mbit/s
95th percentile per-packet one-way delay: 22.689 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 159.88 Mbit/s
95th percentile per-packet one-way delay: 24.559 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 223.33 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.29%
```

Run 7: Report of TCP Cubic — Data Link

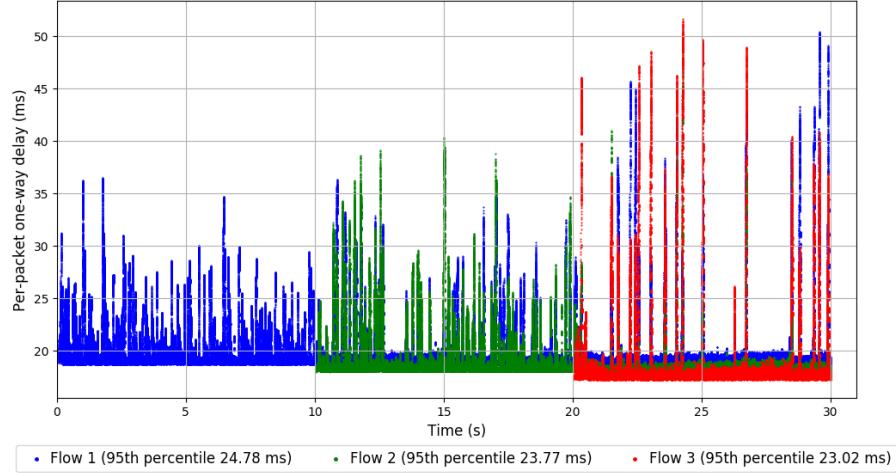
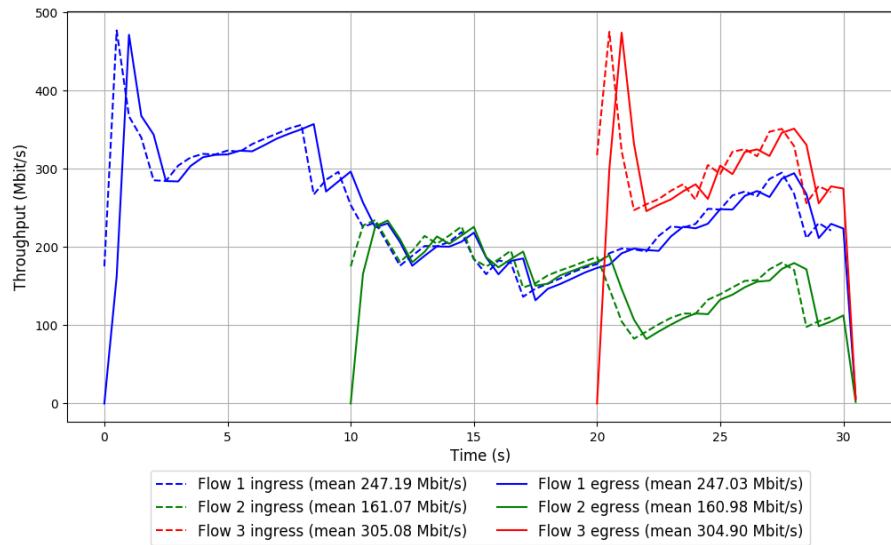


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-05 14:37:43
End at: 2018-06-05 14:38:13
Local clock offset: 0.246 ms
Remote clock offset: 0.159 ms

# Below is generated by plot.py at 2018-06-05 16:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.67 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 247.03 Mbit/s
95th percentile per-packet one-way delay: 24.783 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 160.98 Mbit/s
95th percentile per-packet one-way delay: 23.774 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 304.90 Mbit/s
95th percentile per-packet one-way delay: 23.022 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Cubic — Data Link

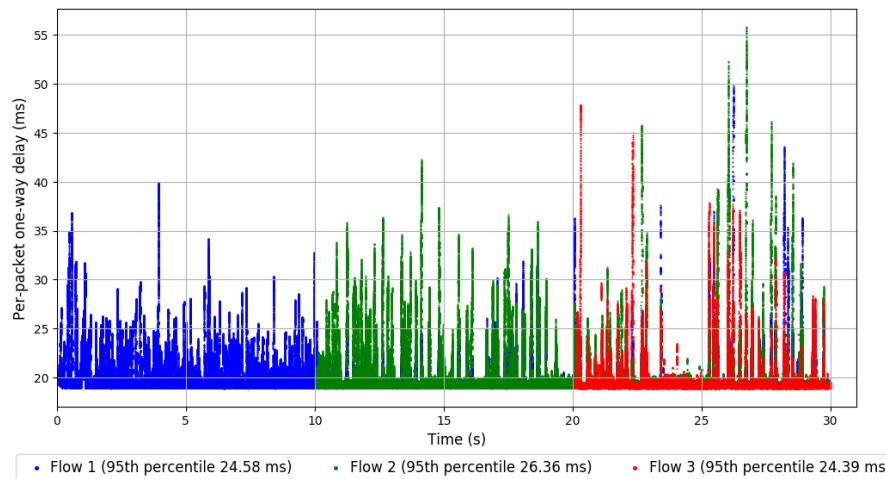
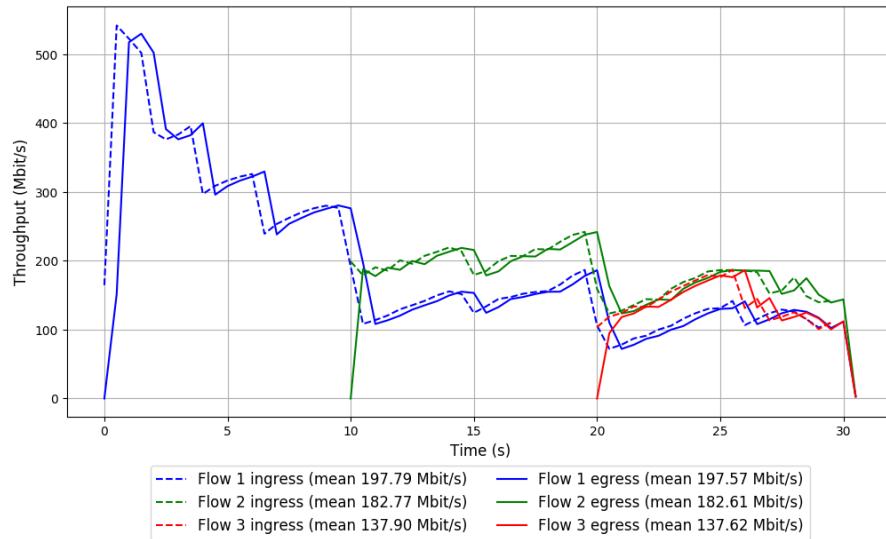


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-05 15:03:38
End at: 2018-06-05 15:04:08
Local clock offset: 0.429 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-06-05 16:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.07 Mbit/s
95th percentile per-packet one-way delay: 25.021 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 197.57 Mbit/s
95th percentile per-packet one-way delay: 24.582 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 182.61 Mbit/s
95th percentile per-packet one-way delay: 26.362 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 137.62 Mbit/s
95th percentile per-packet one-way delay: 24.387 ms
Loss rate: 0.20%
```

Run 9: Report of TCP Cubic — Data Link

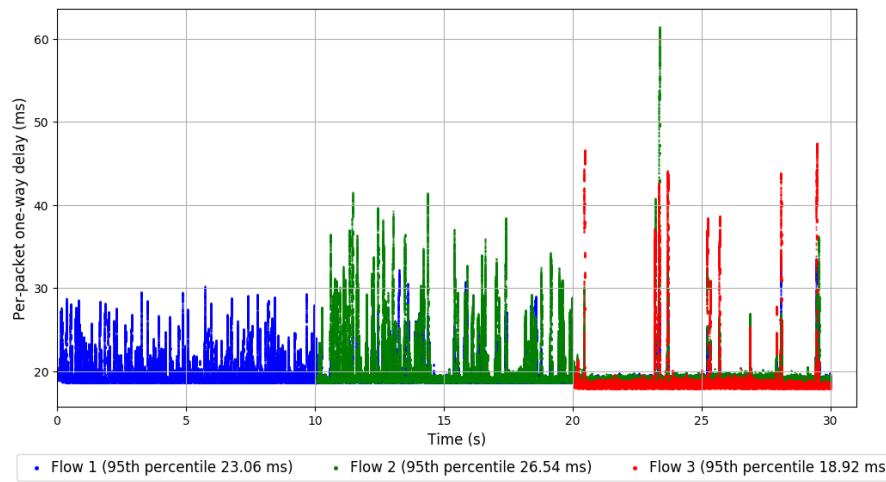
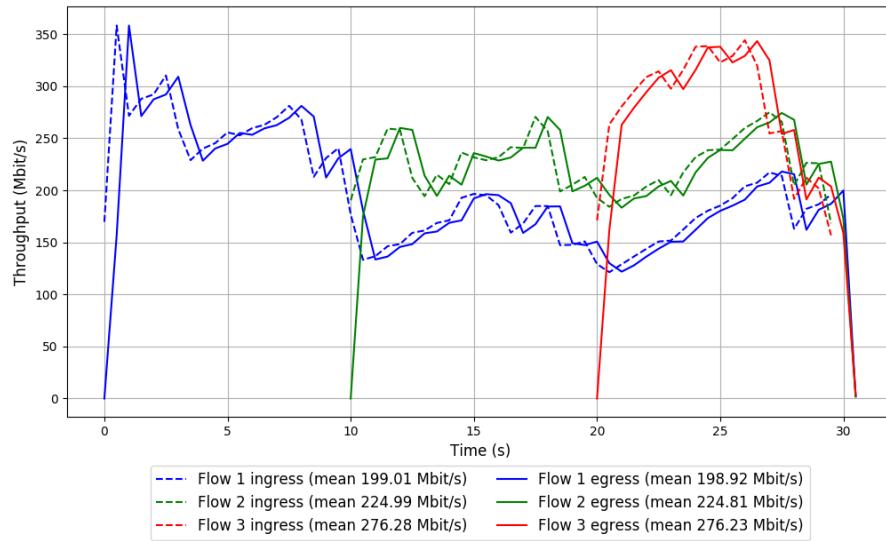


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-05 15:29:10
End at: 2018-06-05 15:29:40
Local clock offset: 0.282 ms
Remote clock offset: 0.228 ms

# Below is generated by plot.py at 2018-06-05 16:33:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.53 Mbit/s
95th percentile per-packet one-way delay: 23.834 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 198.92 Mbit/s
95th percentile per-packet one-way delay: 23.063 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 224.81 Mbit/s
95th percentile per-packet one-way delay: 26.544 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 276.23 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.03%
```

Run 10: Report of TCP Cubic — Data Link

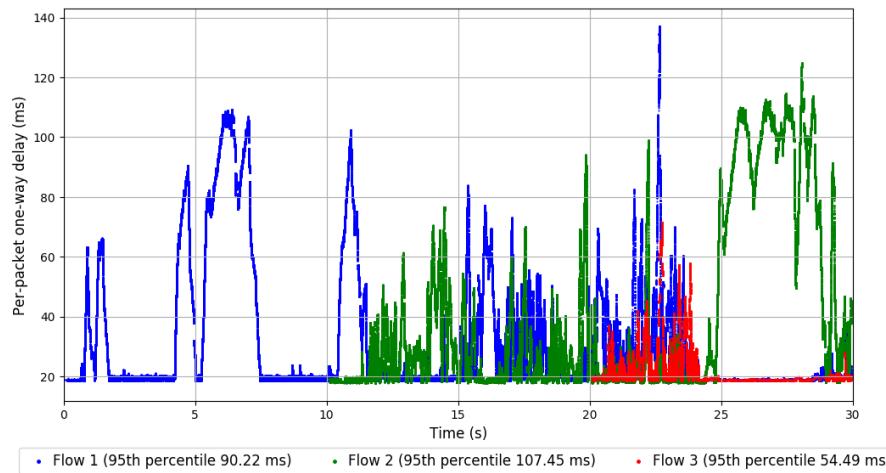
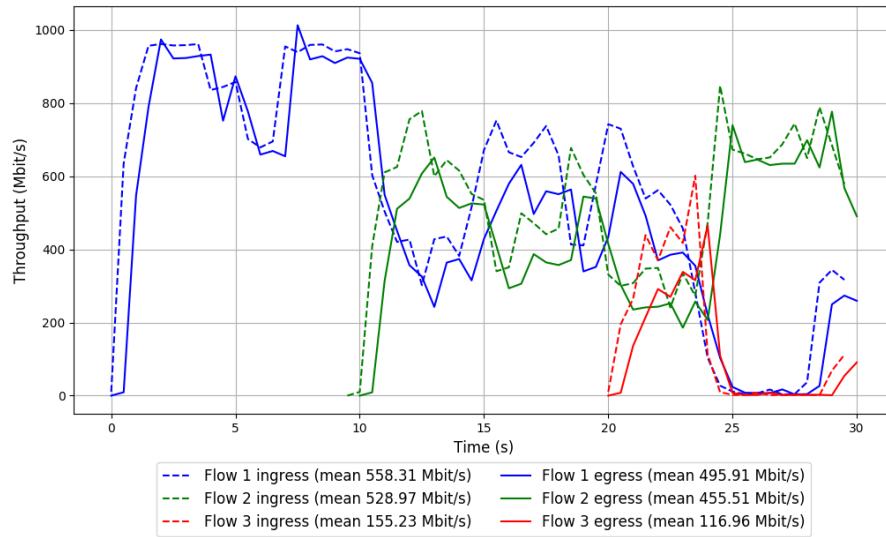


```
Run 1: Statistics of FillP

Start at: 2018-06-05 11:24:12
End at: 2018-06-05 11:24:42
Local clock offset: 0.408 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-05 16:41:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 838.20 Mbit/s
95th percentile per-packet one-way delay: 103.137 ms
Loss rate: 12.89%
-- Flow 1:
Average throughput: 495.91 Mbit/s
95th percentile per-packet one-way delay: 90.215 ms
Loss rate: 11.17%
-- Flow 2:
Average throughput: 455.51 Mbit/s
95th percentile per-packet one-way delay: 107.450 ms
Loss rate: 13.89%
-- Flow 3:
Average throughput: 116.96 Mbit/s
95th percentile per-packet one-way delay: 54.488 ms
Loss rate: 24.66%
```

Run 1: Report of FillP — Data Link

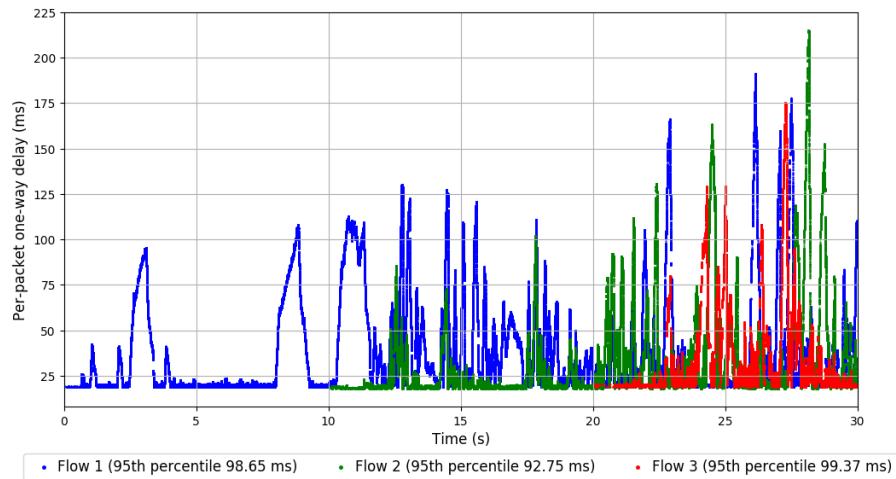
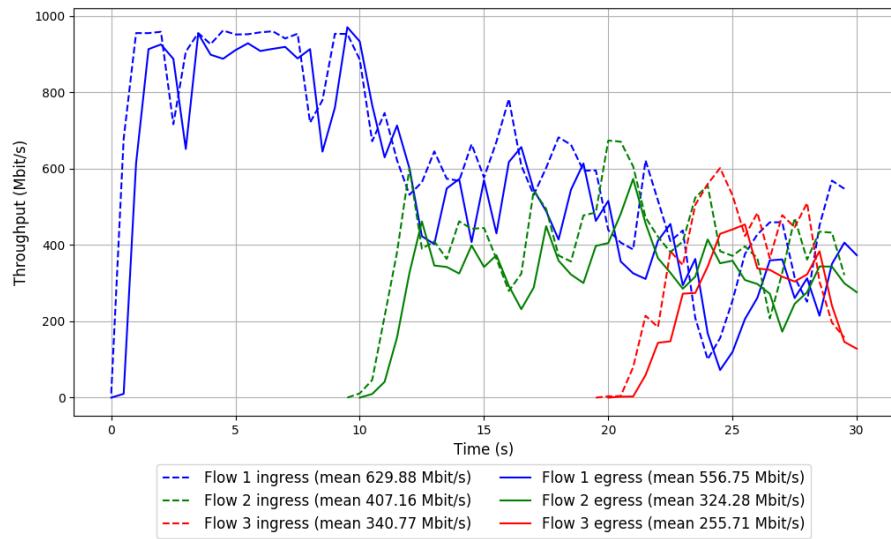


Run 2: Statistics of FillP

```
Start at: 2018-06-05 11:49:35
End at: 2018-06-05 11:50:05
Local clock offset: 0.124 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-06-05 16:42:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 857.78 Mbit/s
95th percentile per-packet one-way delay: 98.050 ms
Loss rate: 15.44%
-- Flow 1:
Average throughput: 556.75 Mbit/s
95th percentile per-packet one-way delay: 98.652 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 324.28 Mbit/s
95th percentile per-packet one-way delay: 92.747 ms
Loss rate: 20.36%
-- Flow 3:
Average throughput: 255.71 Mbit/s
95th percentile per-packet one-way delay: 99.374 ms
Loss rate: 24.97%
```

Run 2: Report of FillP — Data Link

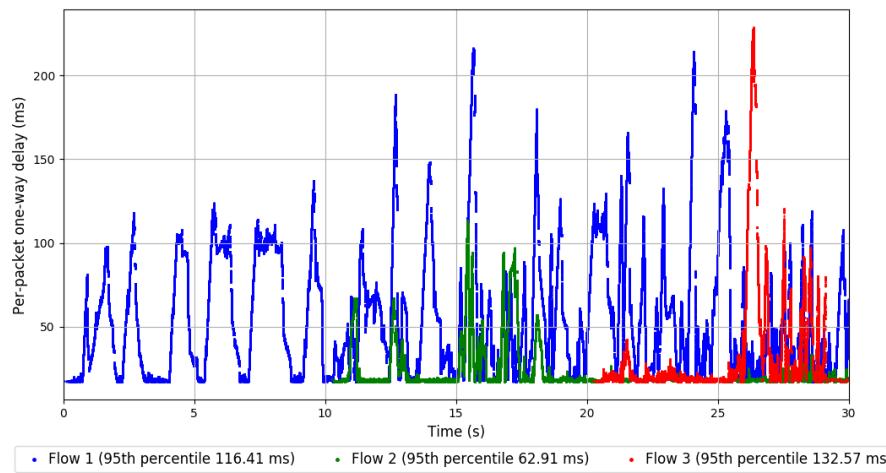
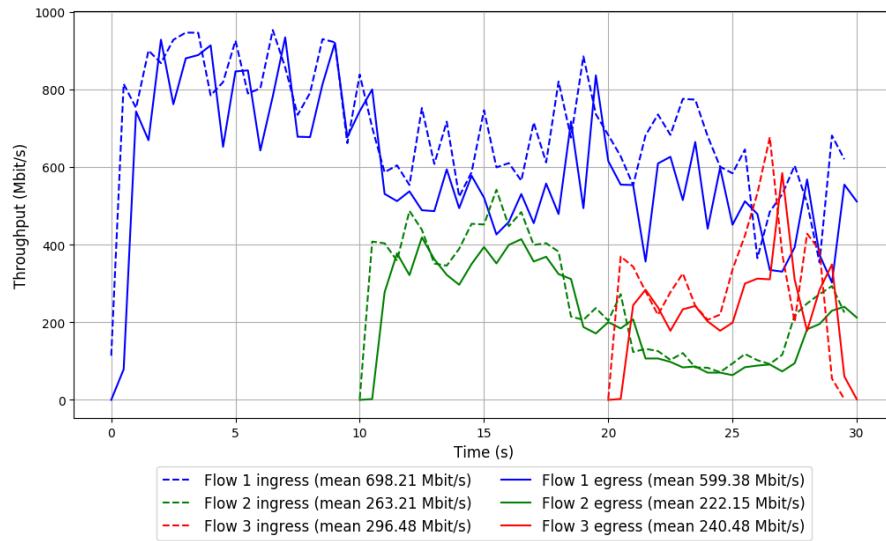


Run 3: Statistics of FillP

```
Start at: 2018-06-05 12:15:29
End at: 2018-06-05 12:15:59
Local clock offset: 0.307 ms
Remote clock offset: 0.471 ms

# Below is generated by plot.py at 2018-06-05 16:42:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 824.11 Mbit/s
95th percentile per-packet one-way delay: 111.847 ms
Loss rate: 15.21%
-- Flow 1:
Average throughput: 599.38 Mbit/s
95th percentile per-packet one-way delay: 116.411 ms
Loss rate: 14.15%
-- Flow 2:
Average throughput: 222.15 Mbit/s
95th percentile per-packet one-way delay: 62.912 ms
Loss rate: 16.45%
-- Flow 3:
Average throughput: 240.48 Mbit/s
95th percentile per-packet one-way delay: 132.573 ms
Loss rate: 20.53%
```

Run 3: Report of FillP — Data Link

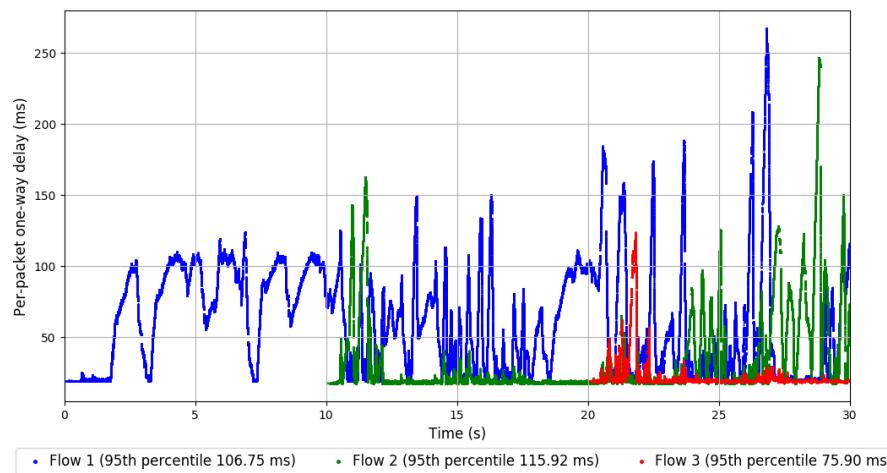
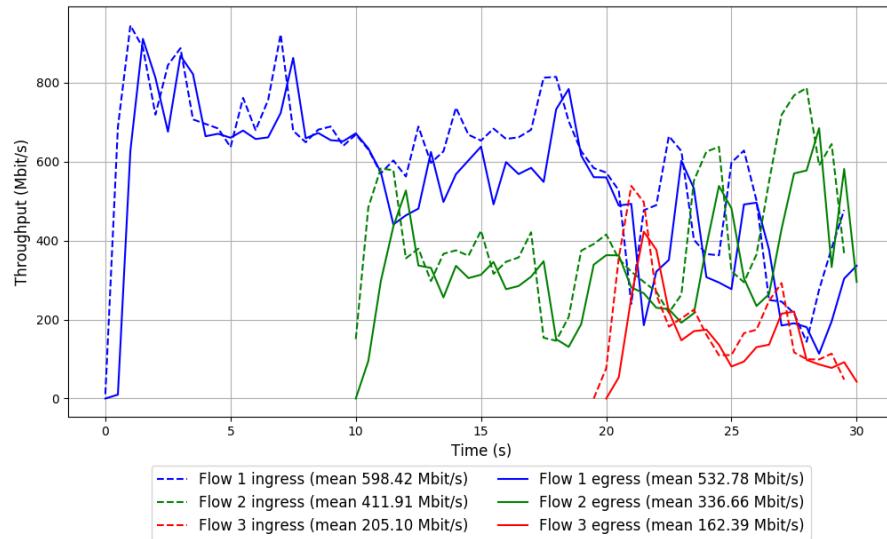


Run 4: Statistics of FillP

```
Start at: 2018-06-05 12:40:58
End at: 2018-06-05 12:41:28
Local clock offset: 0.297 ms
Remote clock offset: -0.38 ms

# Below is generated by plot.py at 2018-06-05 16:42:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 810.92 Mbit/s
95th percentile per-packet one-way delay: 106.921 ms
Loss rate: 13.81%
-- Flow 1:
Average throughput: 532.78 Mbit/s
95th percentile per-packet one-way delay: 106.752 ms
Loss rate: 10.96%
-- Flow 2:
Average throughput: 336.66 Mbit/s
95th percentile per-packet one-way delay: 115.924 ms
Loss rate: 18.26%
-- Flow 3:
Average throughput: 162.39 Mbit/s
95th percentile per-packet one-way delay: 75.900 ms
Loss rate: 20.82%
```

Run 4: Report of FillP — Data Link

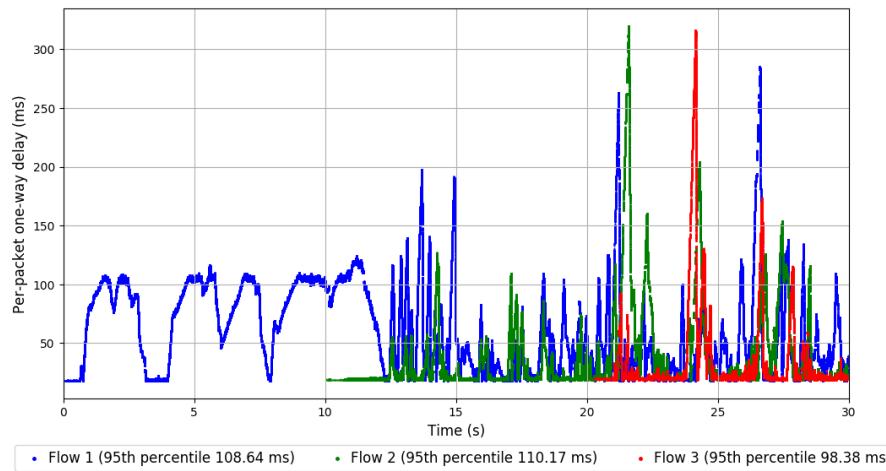
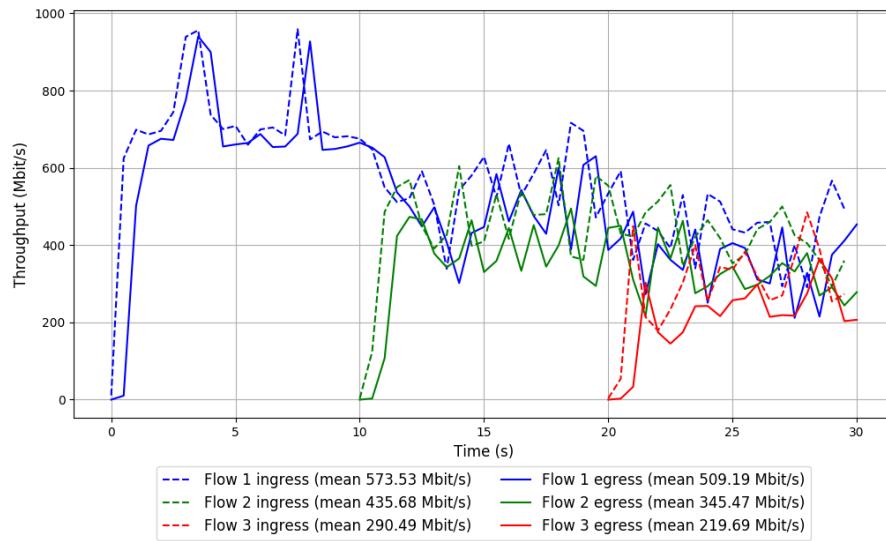


Run 5: Statistics of FillP

```
Start at: 2018-06-05 13:06:32
End at: 2018-06-05 13:07:02
Local clock offset: 0.302 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-06-05 16:42:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 812.05 Mbit/s
95th percentile per-packet one-way delay: 108.645 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 509.19 Mbit/s
95th percentile per-packet one-way delay: 108.643 ms
Loss rate: 11.21%
-- Flow 2:
Average throughput: 345.47 Mbit/s
95th percentile per-packet one-way delay: 110.165 ms
Loss rate: 20.70%
-- Flow 3:
Average throughput: 219.69 Mbit/s
95th percentile per-packet one-way delay: 98.380 ms
Loss rate: 24.37%
```

Run 5: Report of FillP — Data Link

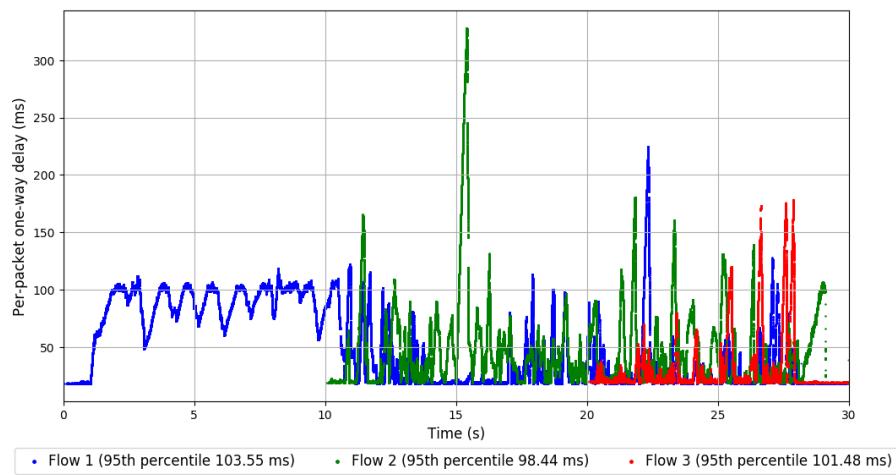
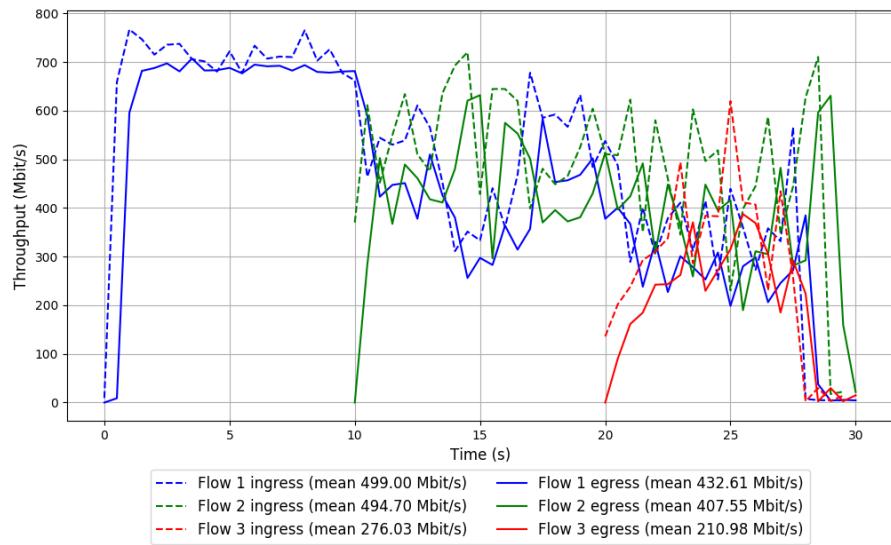


Run 6: Statistics of FillP

```
Start at: 2018-06-05 13:32:07
End at: 2018-06-05 13:32:37
Local clock offset: 0.271 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2018-06-05 16:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 773.52 Mbit/s
95th percentile per-packet one-way delay: 103.172 ms
Loss rate: 15.84%
-- Flow 1:
Average throughput: 432.61 Mbit/s
95th percentile per-packet one-way delay: 103.548 ms
Loss rate: 13.31%
-- Flow 2:
Average throughput: 407.55 Mbit/s
95th percentile per-packet one-way delay: 98.440 ms
Loss rate: 17.55%
-- Flow 3:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 101.484 ms
Loss rate: 23.57%
```

Run 6: Report of FillP — Data Link

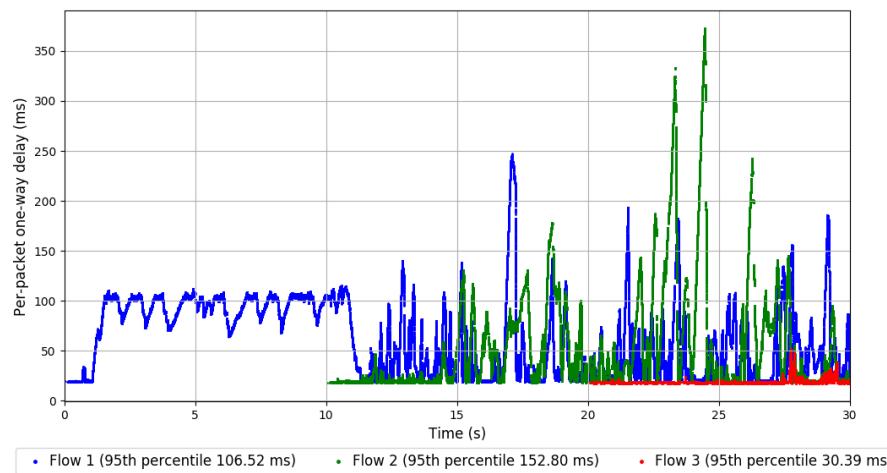
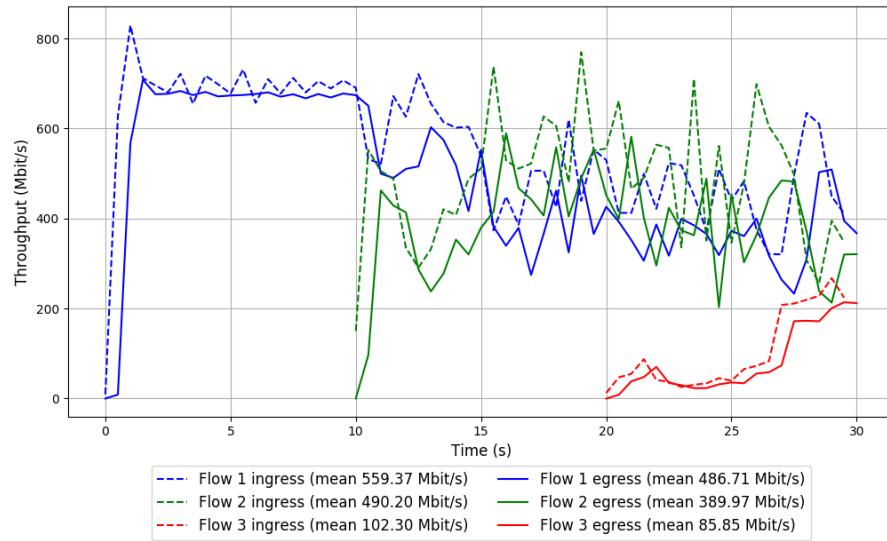


Run 7: Statistics of FillP

```
Start at: 2018-06-05 13:57:43
End at: 2018-06-05 13:58:13
Local clock offset: 0.409 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-06-05 16:44:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 774.88 Mbit/s
95th percentile per-packet one-way delay: 115.734 ms
Loss rate: 15.75%
-- Flow 1:
Average throughput: 486.71 Mbit/s
95th percentile per-packet one-way delay: 106.521 ms
Loss rate: 12.99%
-- Flow 2:
Average throughput: 389.97 Mbit/s
95th percentile per-packet one-way delay: 152.799 ms
Loss rate: 20.44%
-- Flow 3:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 30.390 ms
Loss rate: 16.08%
```

Run 7: Report of FillP — Data Link

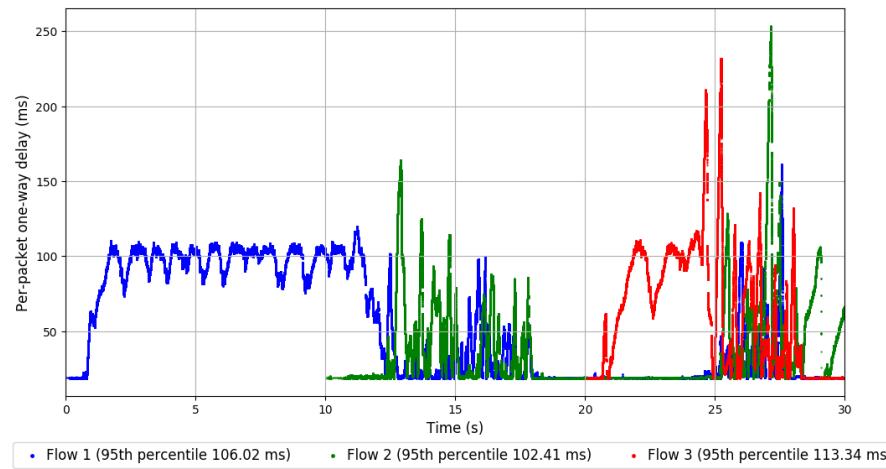
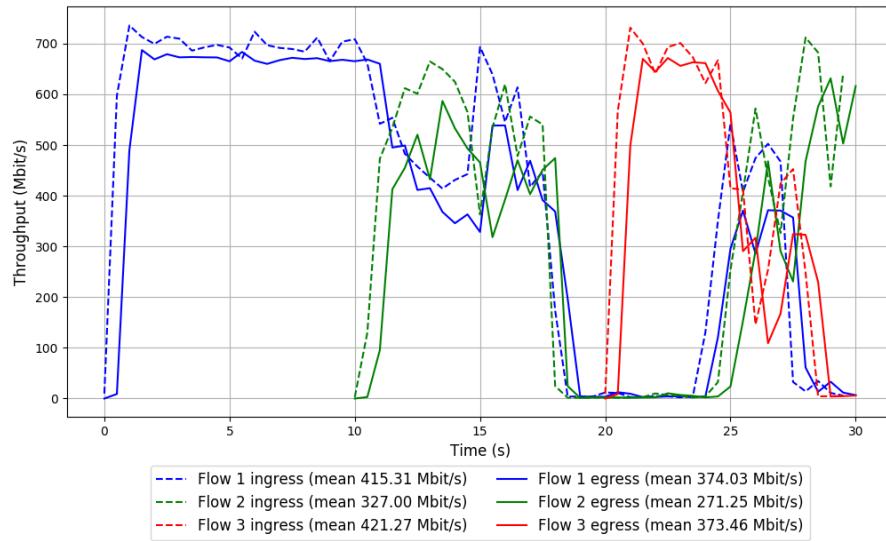


Run 8: Statistics of FillP

```
Start at: 2018-06-05 14:23:22
End at: 2018-06-05 14:23:52
Local clock offset: 0.326 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2018-06-05 16:44:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 678.20 Mbit/s
95th percentile per-packet one-way delay: 106.613 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 374.03 Mbit/s
95th percentile per-packet one-way delay: 106.021 ms
Loss rate: 9.94%
-- Flow 2:
Average throughput: 271.25 Mbit/s
95th percentile per-packet one-way delay: 102.409 ms
Loss rate: 17.05%
-- Flow 3:
Average throughput: 373.46 Mbit/s
95th percentile per-packet one-way delay: 113.344 ms
Loss rate: 11.35%
```

Run 8: Report of FillP — Data Link

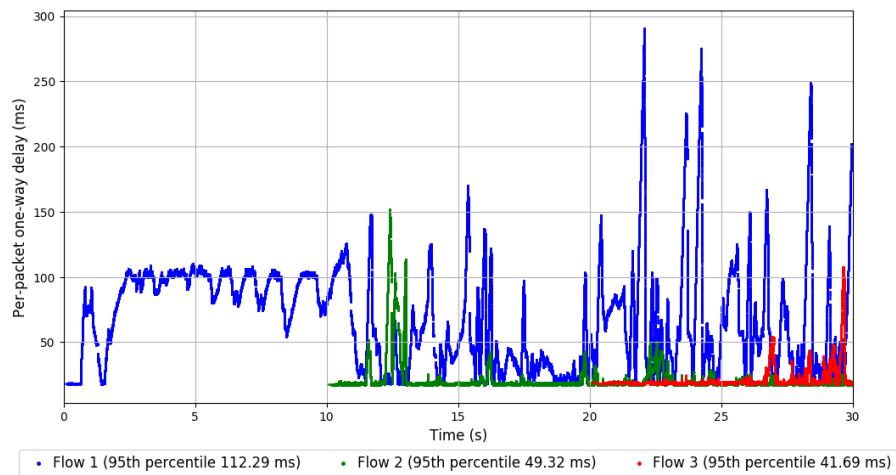
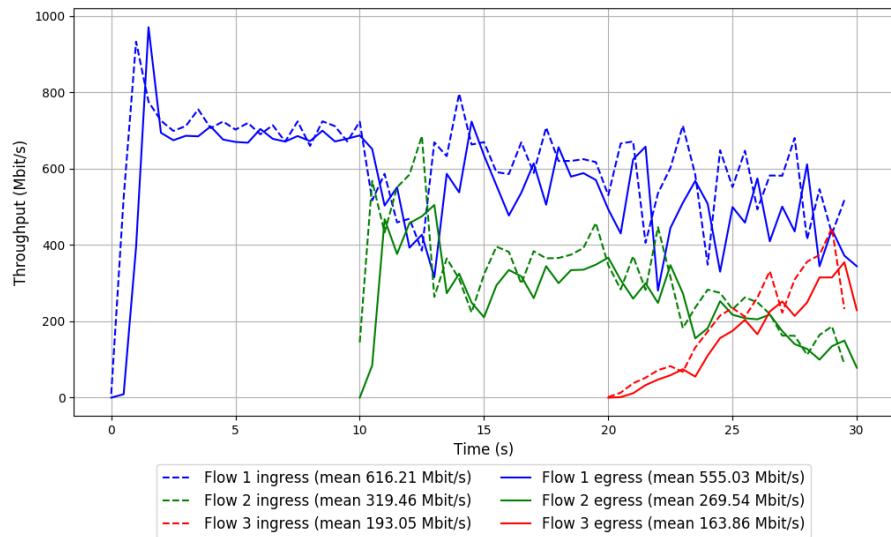


Run 9: Statistics of FillP

```
Start at: 2018-06-05 14:48:59
End at: 2018-06-05 14:49:29
Local clock offset: 0.212 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 788.66 Mbit/s
95th percentile per-packet one-way delay: 106.707 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 555.03 Mbit/s
95th percentile per-packet one-way delay: 112.287 ms
Loss rate: 9.93%
-- Flow 2:
Average throughput: 269.54 Mbit/s
95th percentile per-packet one-way delay: 49.324 ms
Loss rate: 15.62%
-- Flow 3:
Average throughput: 163.86 Mbit/s
95th percentile per-packet one-way delay: 41.690 ms
Loss rate: 15.12%
```

Run 9: Report of FillP — Data Link

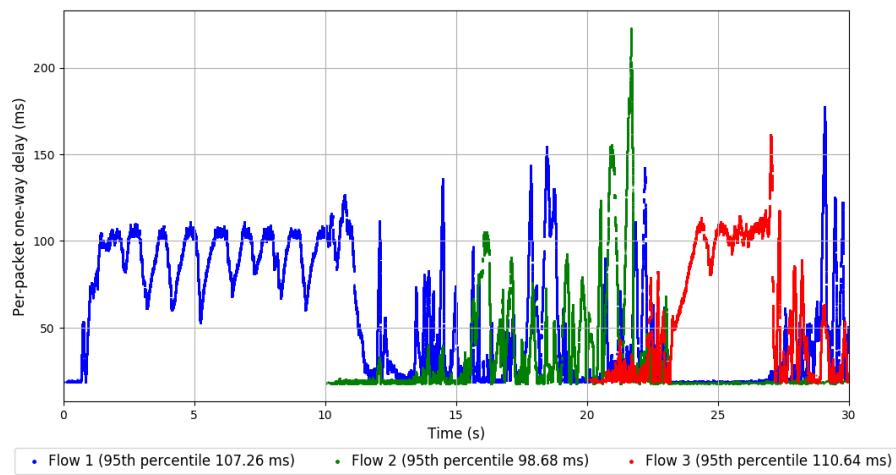
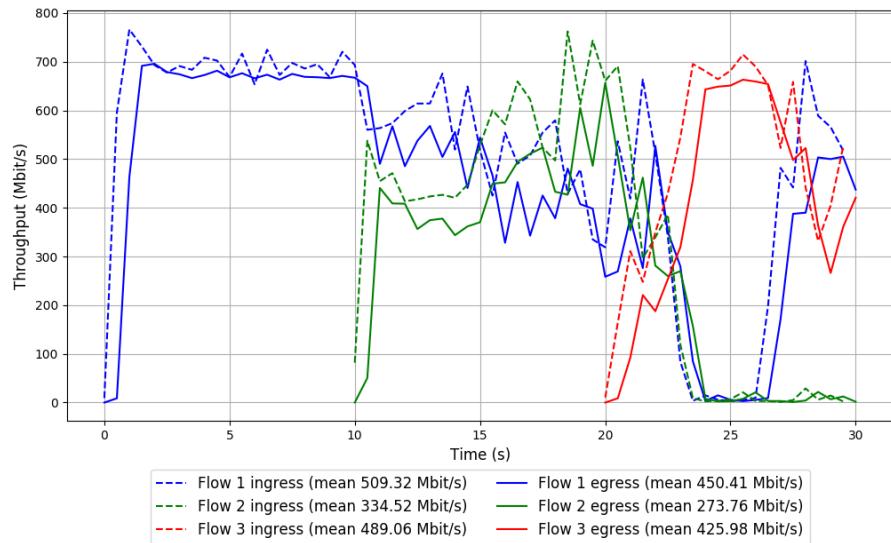


Run 10: Statistics of FillP

```
Start at: 2018-06-05 15:14:42
End at: 2018-06-05 15:15:12
Local clock offset: 0.447 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 773.98 Mbit/s
95th percentile per-packet one-way delay: 108.548 ms
Loss rate: 13.45%
-- Flow 1:
Average throughput: 450.41 Mbit/s
95th percentile per-packet one-way delay: 107.260 ms
Loss rate: 11.57%
-- Flow 2:
Average throughput: 273.76 Mbit/s
95th percentile per-packet one-way delay: 98.678 ms
Loss rate: 18.16%
-- Flow 3:
Average throughput: 425.98 Mbit/s
95th percentile per-packet one-way delay: 110.641 ms
Loss rate: 12.90%
```

Run 10: Report of FillP — Data Link

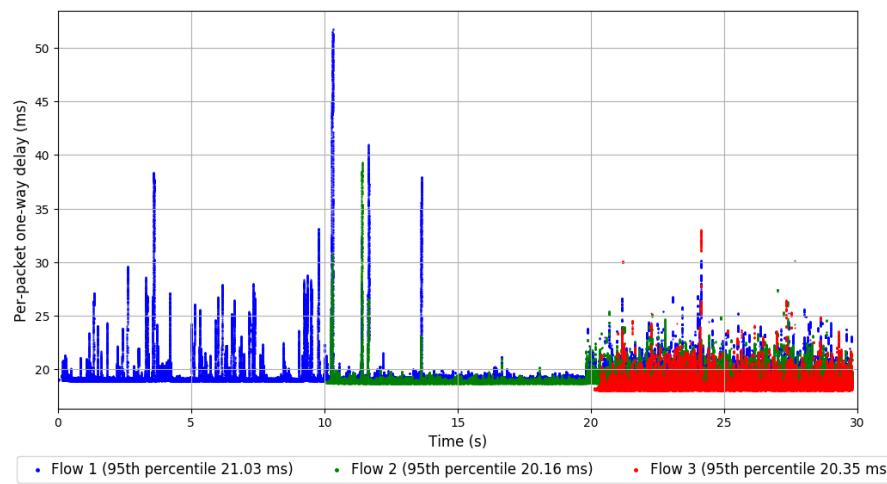
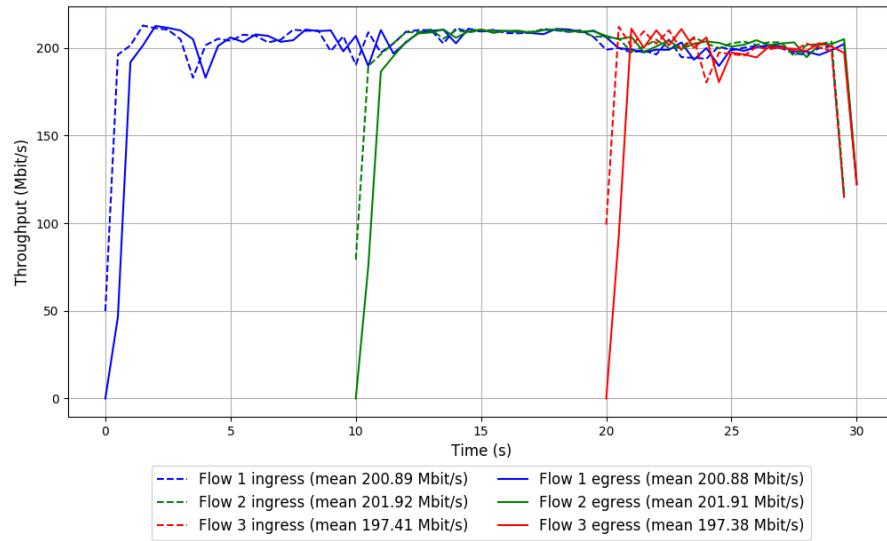


Run 1: Statistics of Indigo

```
Start at: 2018-06-05 11:46:22
End at: 2018-06-05 11:46:52
Local clock offset: 0.117 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.80 Mbit/s
95th percentile per-packet one-way delay: 20.572 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.88 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.91 Mbit/s
95th percentile per-packet one-way delay: 20.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 197.38 Mbit/s
95th percentile per-packet one-way delay: 20.350 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

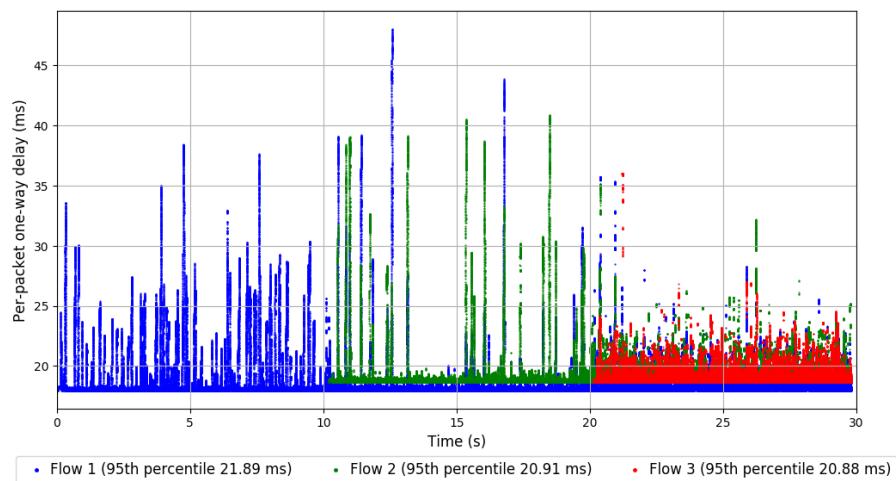
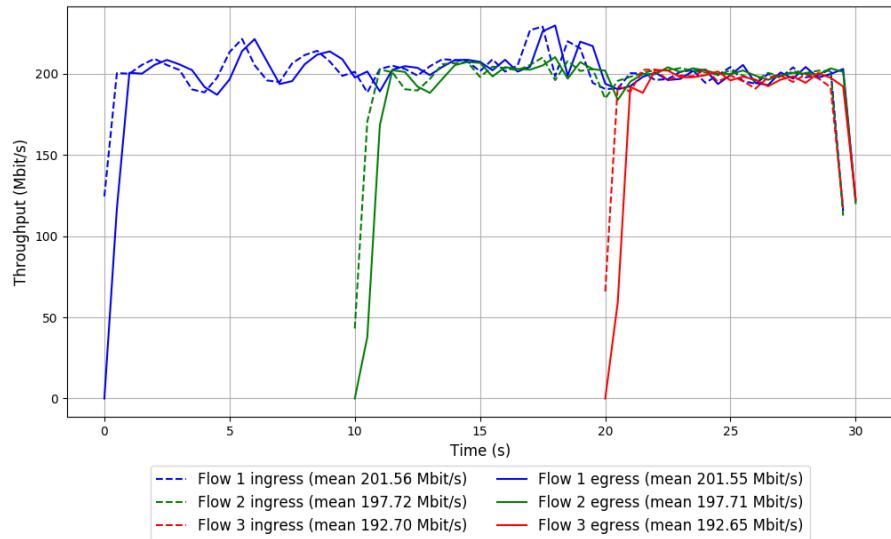


Run 2: Statistics of Indigo

```
Start at: 2018-06-05 12:12:18
End at: 2018-06-05 12:12:48
Local clock offset: 0.289 ms
Remote clock offset: 0.474 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.17 Mbit/s
95th percentile per-packet one-way delay: 21.232 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.55 Mbit/s
95th percentile per-packet one-way delay: 21.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.71 Mbit/s
95th percentile per-packet one-way delay: 20.912 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.65 Mbit/s
95th percentile per-packet one-way delay: 20.878 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo — Data Link

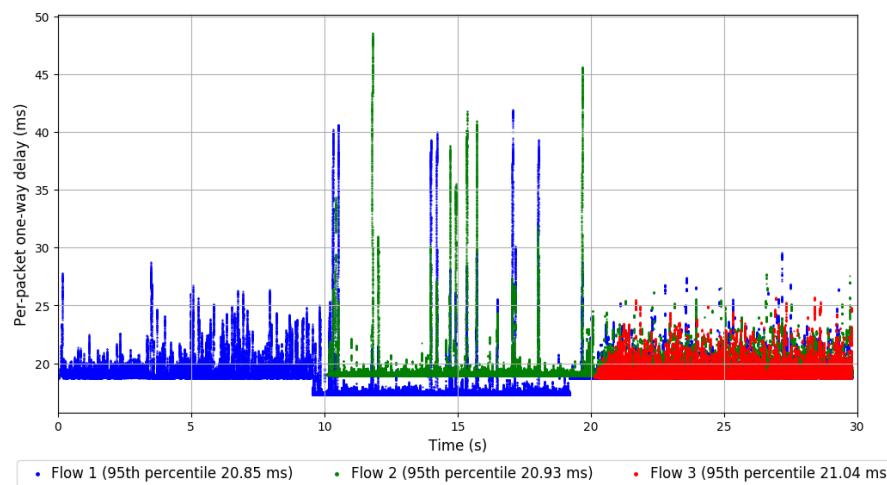
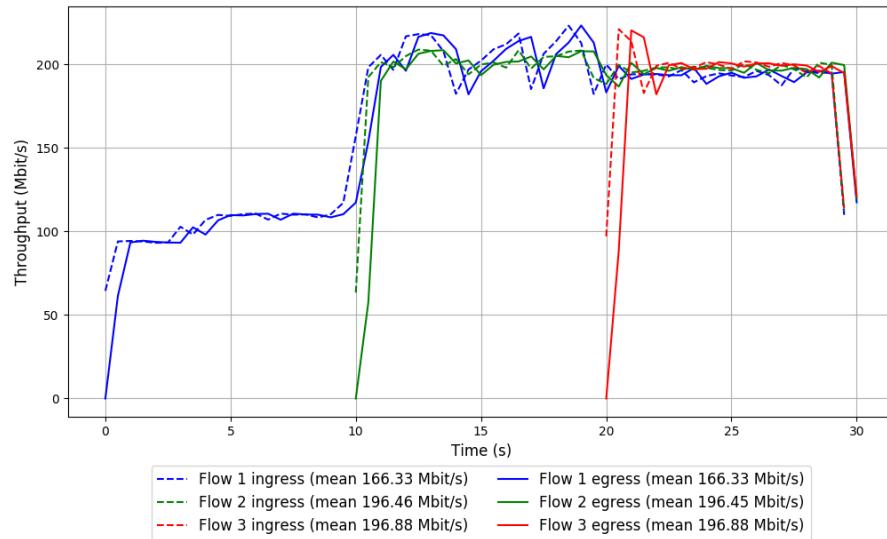


Run 3: Statistics of Indigo

```
Start at: 2018-06-05 12:37:49
End at: 2018-06-05 12:38:19
Local clock offset: 0.283 ms
Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.32 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.33 Mbit/s
95th percentile per-packet one-way delay: 20.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.45 Mbit/s
95th percentile per-packet one-way delay: 20.932 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.88 Mbit/s
95th percentile per-packet one-way delay: 21.043 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

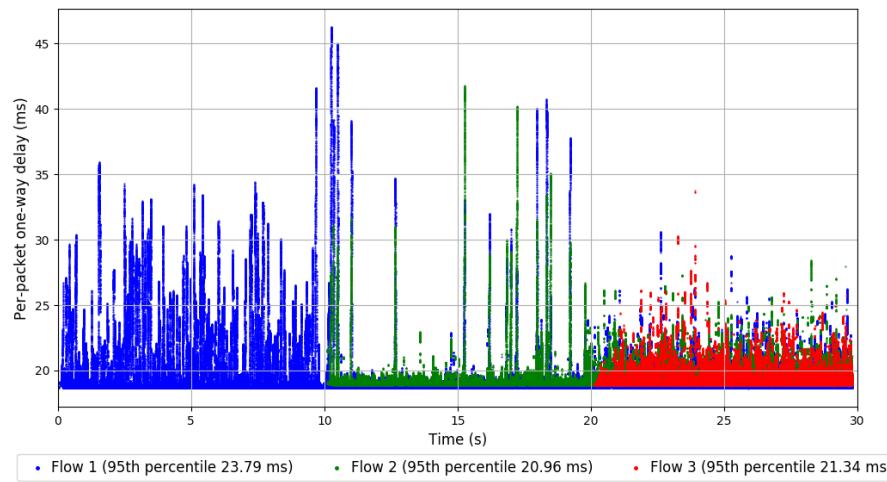
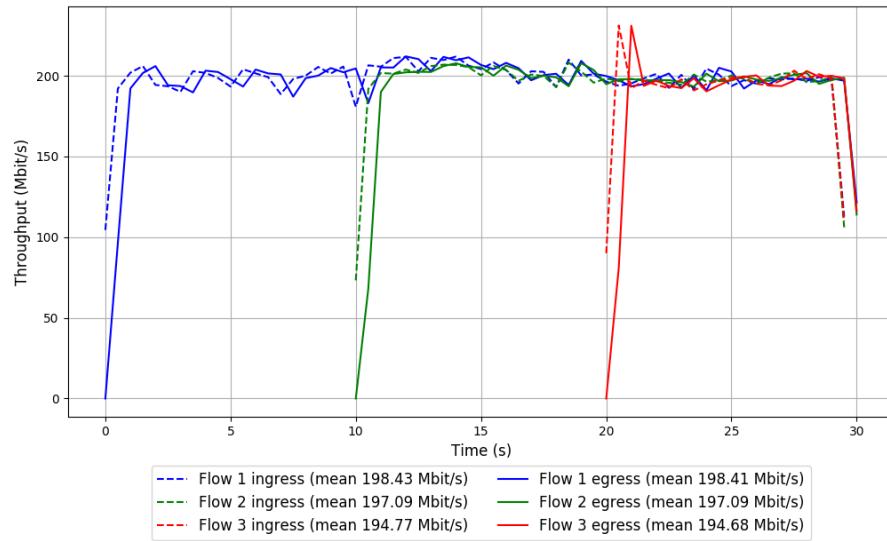


Run 4: Statistics of Indigo

```
Start at: 2018-06-05 13:03:20
End at: 2018-06-05 13:03:50
Local clock offset: 0.294 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.10 Mbit/s
95th percentile per-packet one-way delay: 22.266 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 198.41 Mbit/s
95th percentile per-packet one-way delay: 23.792 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 197.09 Mbit/s
95th percentile per-packet one-way delay: 20.960 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 194.68 Mbit/s
95th percentile per-packet one-way delay: 21.335 ms
Loss rate: 0.04%
```

Run 4: Report of Indigo — Data Link

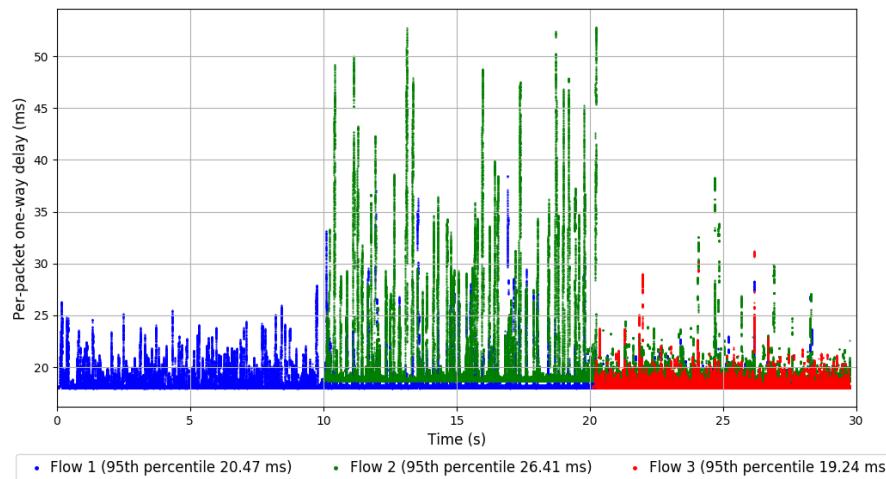
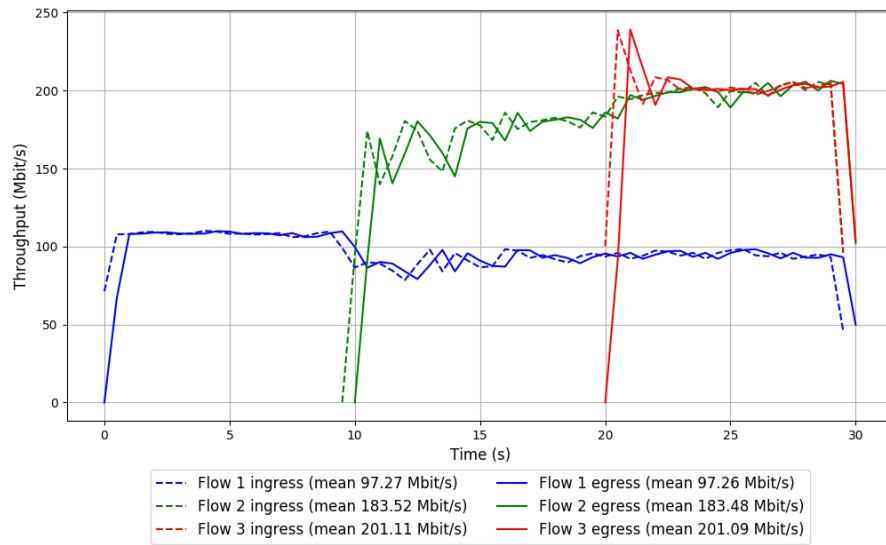


Run 5: Statistics of Indigo

```
Start at: 2018-06-05 13:28:56
End at: 2018-06-05 13:29:26
Local clock offset: 0.264 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.26 Mbit/s
95th percentile per-packet one-way delay: 21.436 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 20.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.48 Mbit/s
95th percentile per-packet one-way delay: 26.410 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 201.09 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo — Data Link

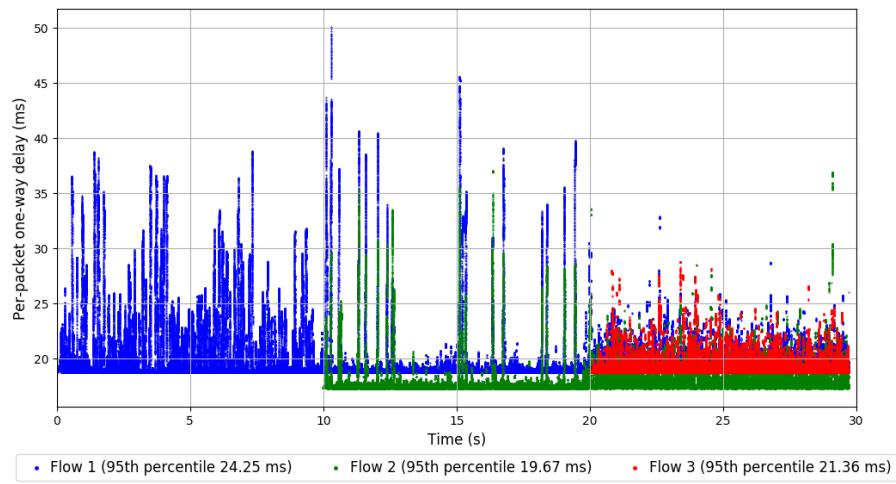
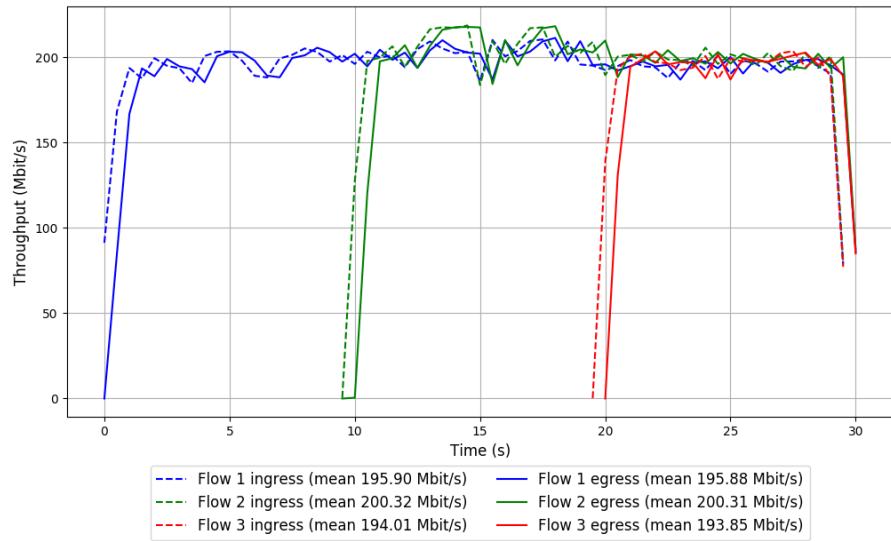


Run 6: Statistics of Indigo

```
Start at: 2018-06-05 13:54:28
End at: 2018-06-05 13:54:58
Local clock offset: 0.407 ms
Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.29 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 195.88 Mbit/s
95th percentile per-packet one-way delay: 24.246 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 200.31 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 193.85 Mbit/s
95th percentile per-packet one-way delay: 21.363 ms
Loss rate: 0.01%
```

Run 6: Report of Indigo — Data Link

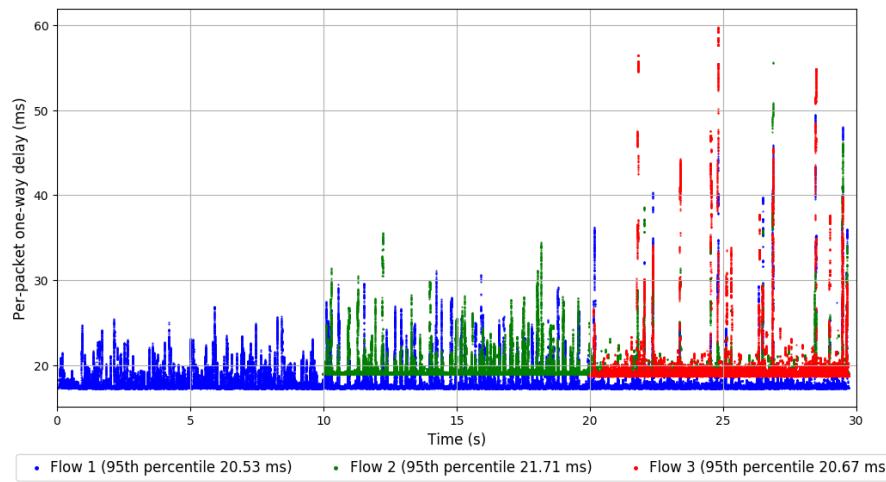
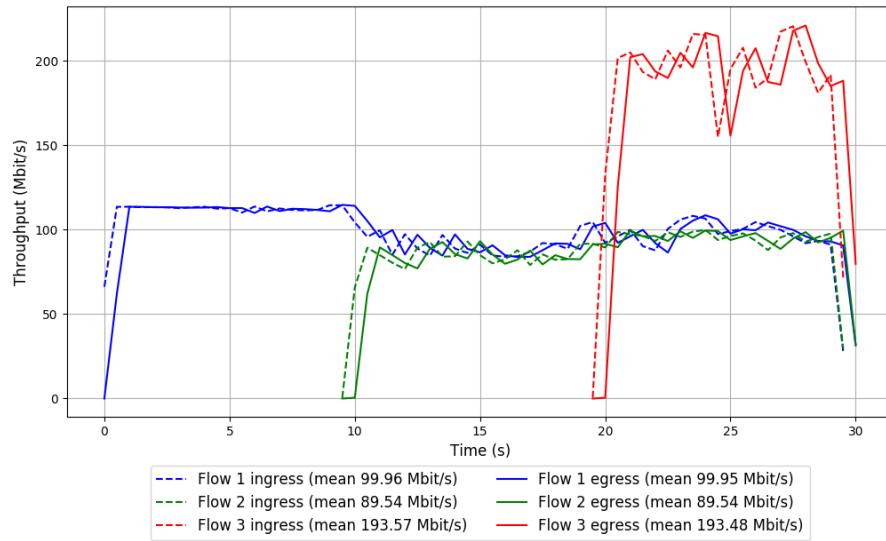


Run 7: Statistics of Indigo

```
Start at: 2018-06-05 14:20:17
End at: 2018-06-05 14:20:47
Local clock offset: 0.372 ms
Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.85 Mbit/s
95th percentile per-packet one-way delay: 20.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.95 Mbit/s
95th percentile per-packet one-way delay: 20.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 21.709 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 193.48 Mbit/s
95th percentile per-packet one-way delay: 20.669 ms
Loss rate: 0.03%
```

Run 7: Report of Indigo — Data Link

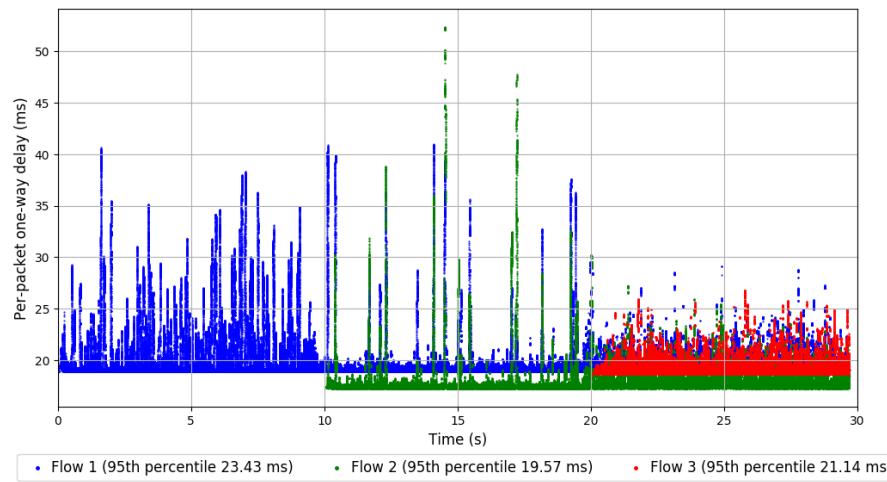
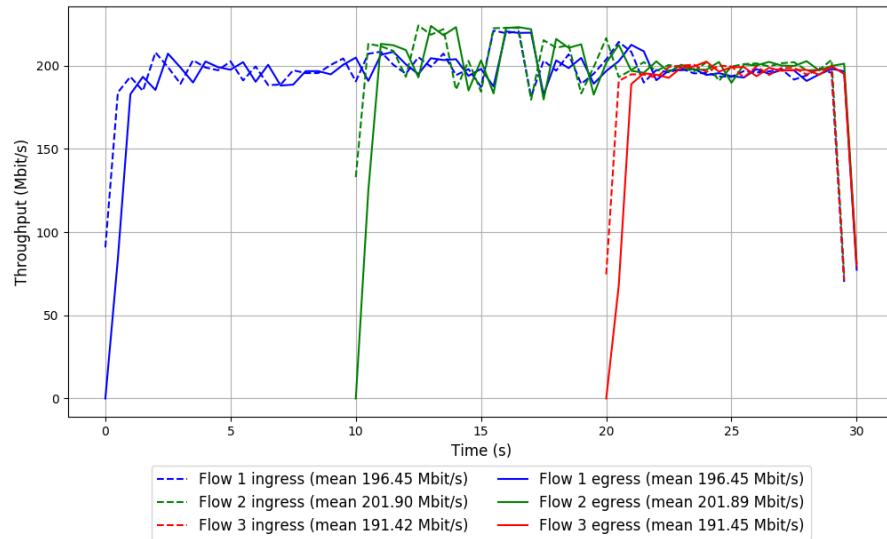


Run 8: Statistics of Indigo

```
Start at: 2018-06-05 14:45:45
End at: 2018-06-05 14:46:15
Local clock offset: 0.225 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.29 Mbit/s
95th percentile per-packet one-way delay: 21.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.45 Mbit/s
95th percentile per-packet one-way delay: 23.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 191.45 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

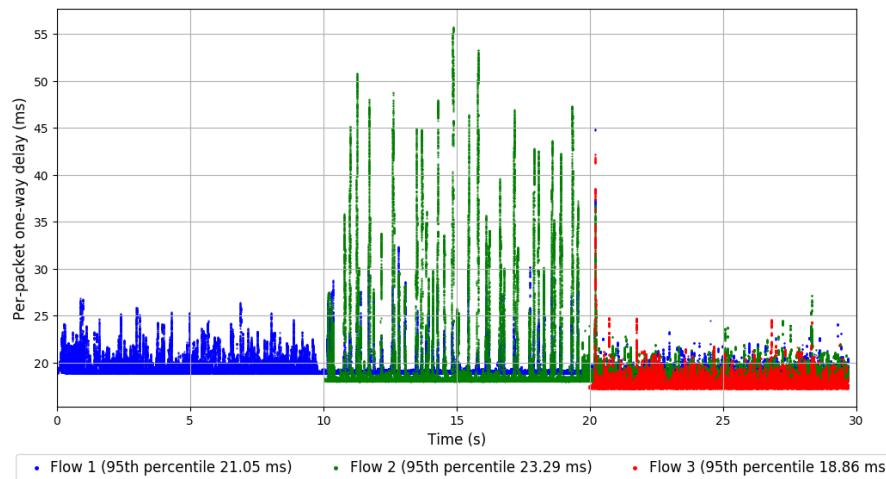
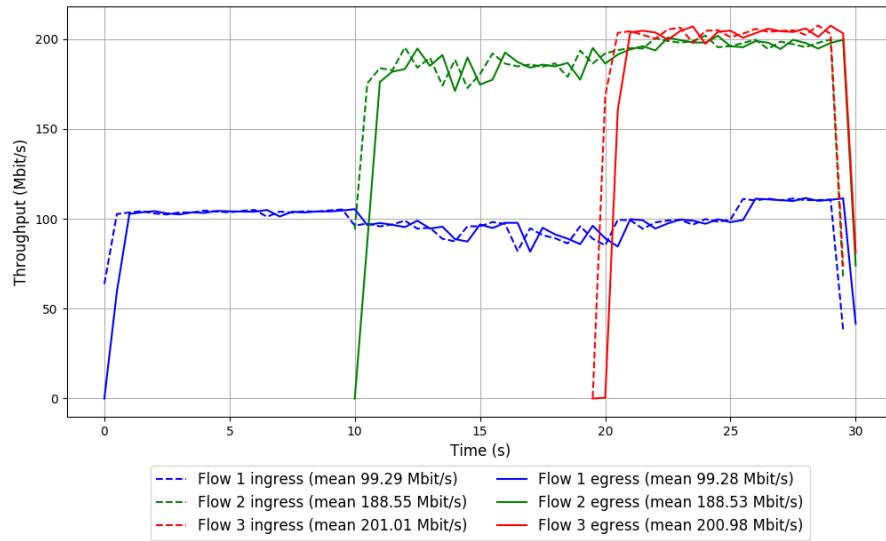


Run 9: Statistics of Indigo

```
Start at: 2018-06-05 15:11:31
End at: 2018-06-05 15:12:01
Local clock offset: 0.463 ms
Remote clock offset: 0.197 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.94 Mbit/s
95th percentile per-packet one-way delay: 20.801 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.28 Mbit/s
95th percentile per-packet one-way delay: 21.046 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.53 Mbit/s
95th percentile per-packet one-way delay: 23.285 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 200.98 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.01%
```

Run 9: Report of Indigo — Data Link

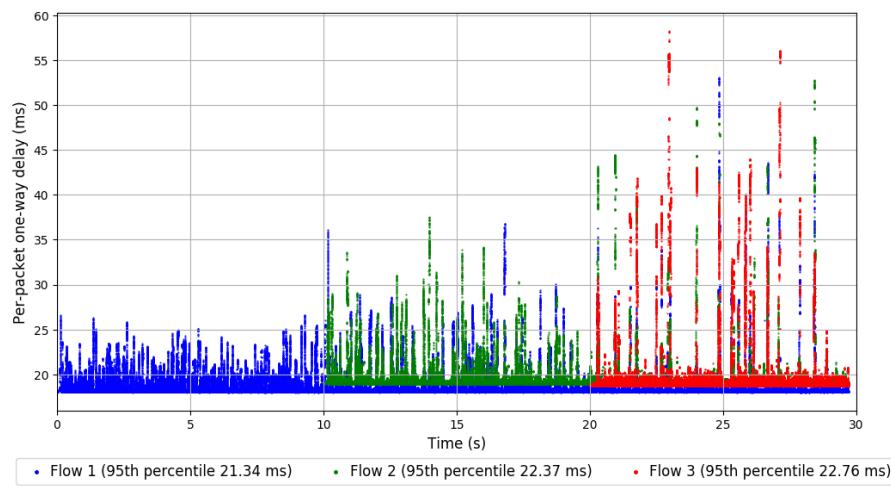
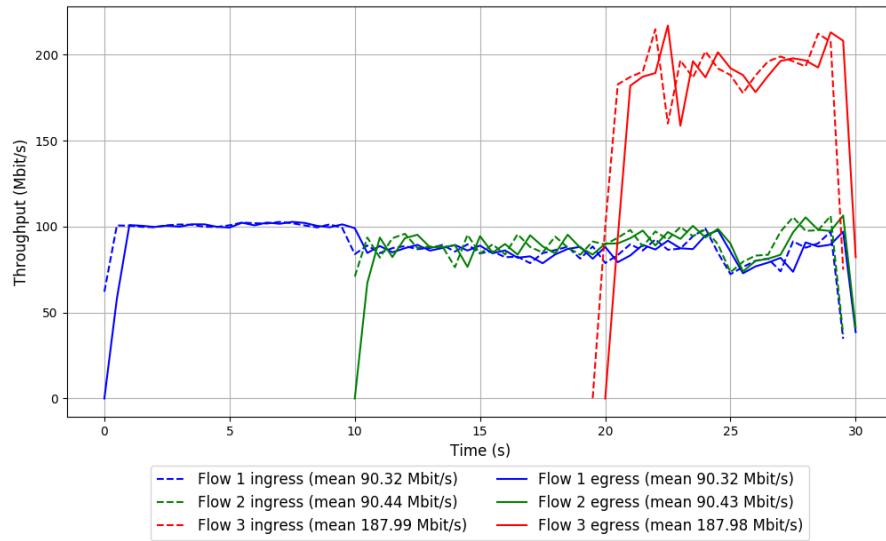


Run 10: Statistics of Indigo

```
Start at: 2018-06-05 15:37:03
End at: 2018-06-05 15:37:33
Local clock offset: 0.126 ms
Remote clock offset: 0.298 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.65 Mbit/s
95th percentile per-packet one-way delay: 21.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 21.344 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 22.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.98 Mbit/s
95th percentile per-packet one-way delay: 22.764 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

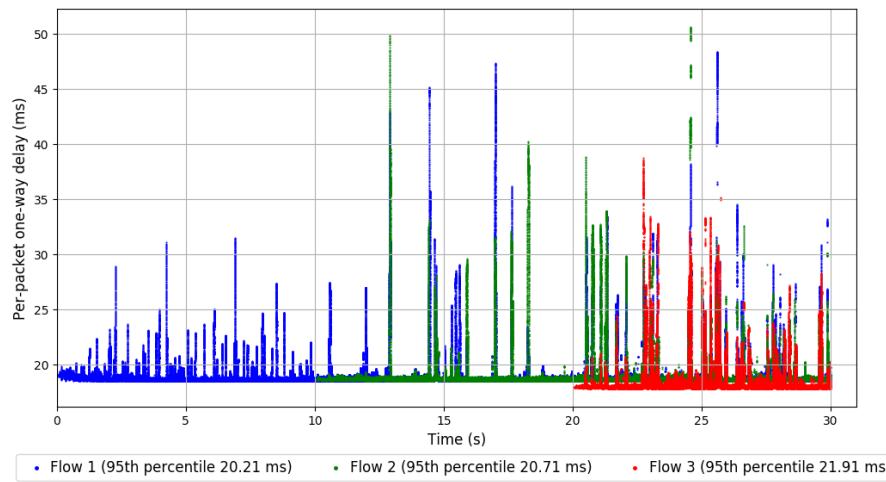
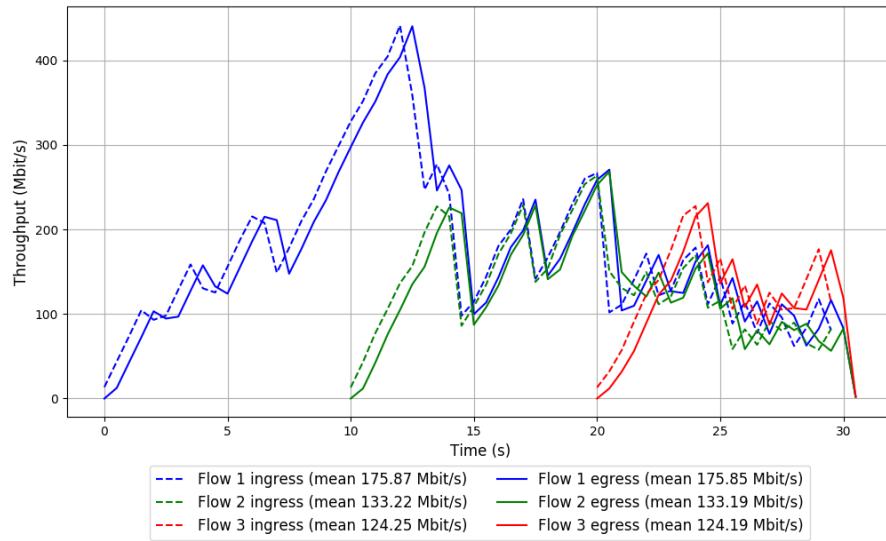


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 11:40:06
End at: 2018-06-05 11:40:36
Local clock offset: 0.234 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2018-06-05 16:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.86 Mbit/s
95th percentile per-packet one-way delay: 20.613 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 175.85 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 133.19 Mbit/s
95th percentile per-packet one-way delay: 20.709 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 124.19 Mbit/s
95th percentile per-packet one-way delay: 21.909 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

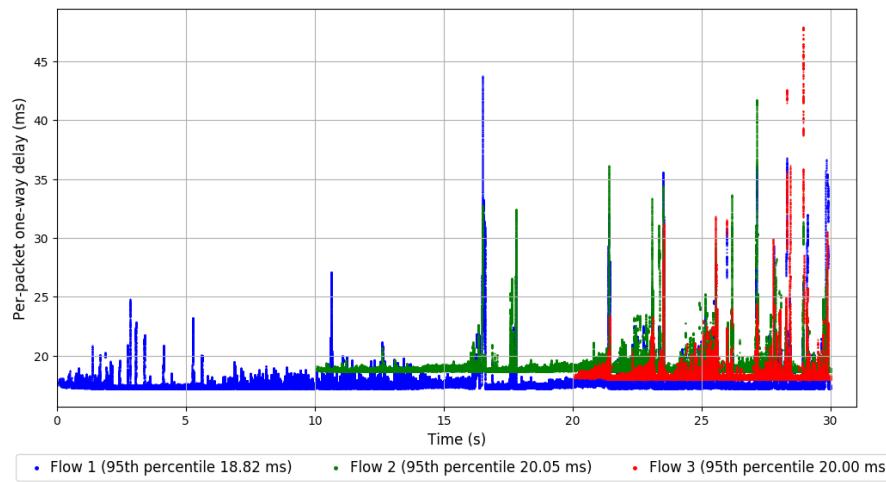
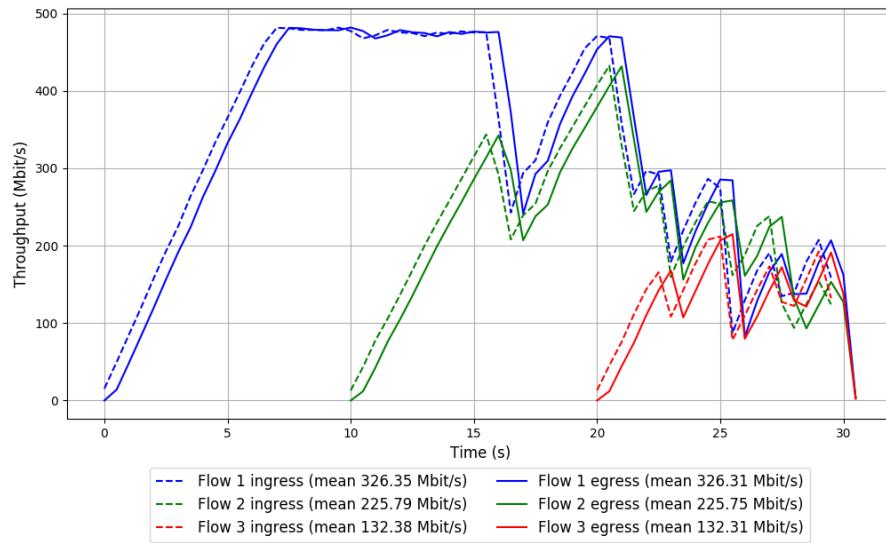


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-05 12:05:53
End at: 2018-06-05 12:06:23
Local clock offset: 0.249 ms
Remote clock offset: 0.375 ms

# Below is generated by plot.py at 2018-06-05 16:56:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.67 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 326.31 Mbit/s
95th percentile per-packet one-way delay: 18.822 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 225.75 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 19.999 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

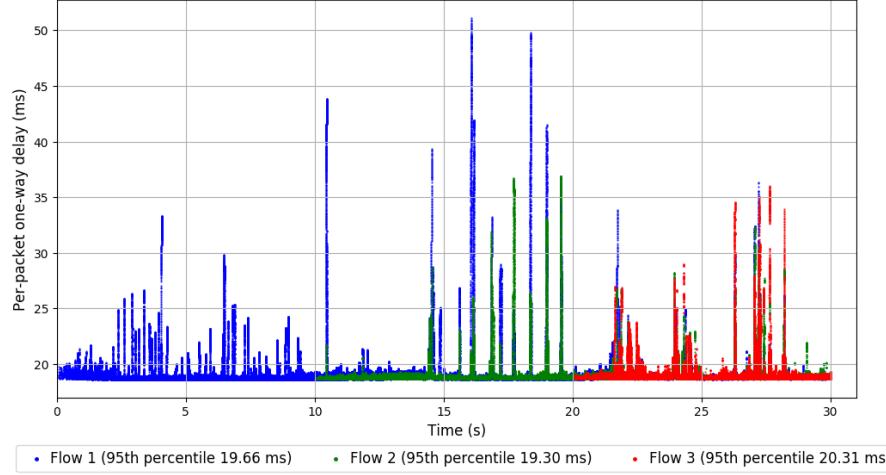
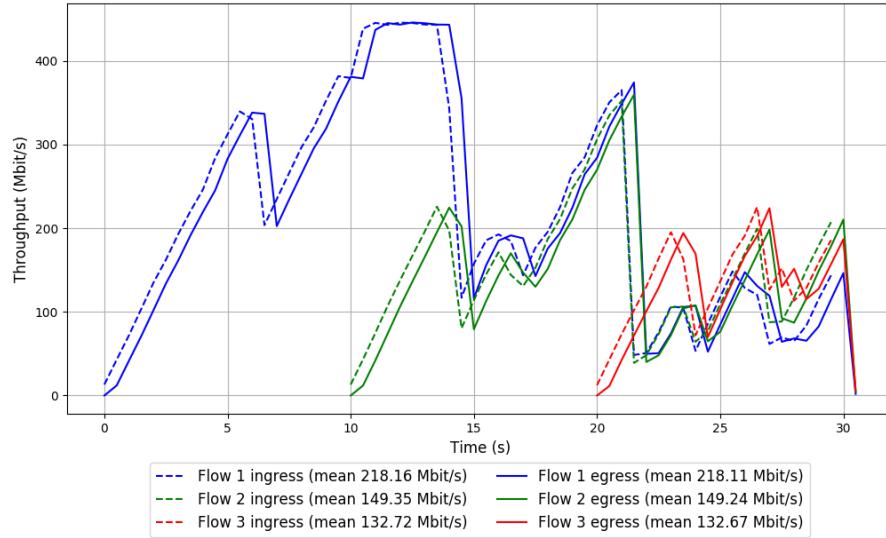


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-05 12:31:27
End at: 2018-06-05 12:31:57
Local clock offset: 0.27 ms
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-06-05 16:56:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.59 Mbit/s
95th percentile per-packet one-way delay: 19.643 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 149.24 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 132.67 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 0.04%
```

Run 3: Report of LEDBAT — Data Link

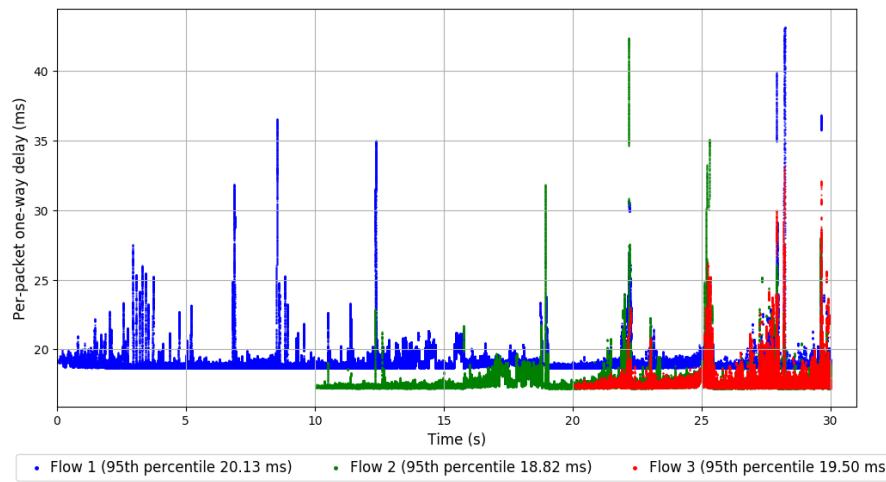
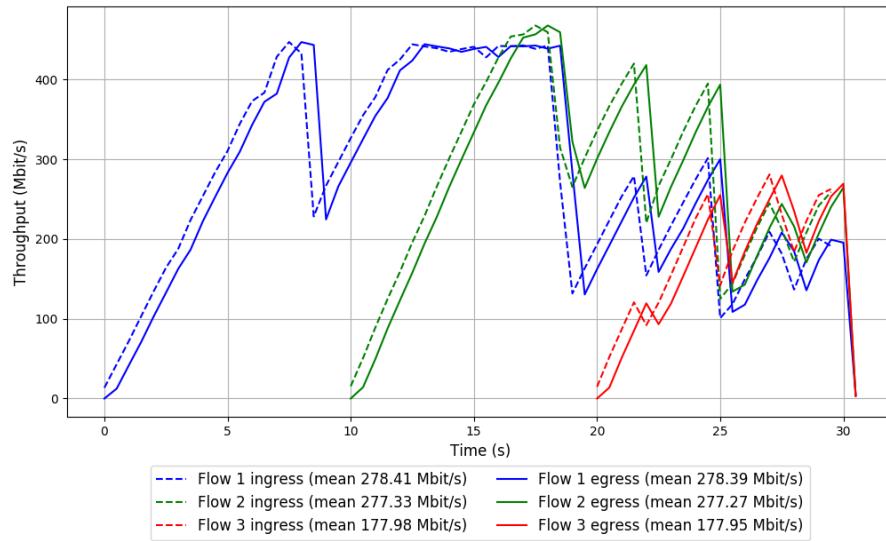


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-05 12:56:53
End at: 2018-06-05 12:57:23
Local clock offset: 0.182 ms
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2018-06-05 16:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 522.27 Mbit/s
95th percentile per-packet one-way delay: 19.766 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 278.39 Mbit/s
95th percentile per-packet one-way delay: 20.133 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 277.27 Mbit/s
95th percentile per-packet one-way delay: 18.822 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 177.95 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.02%
```

Run 4: Report of LEDBAT — Data Link

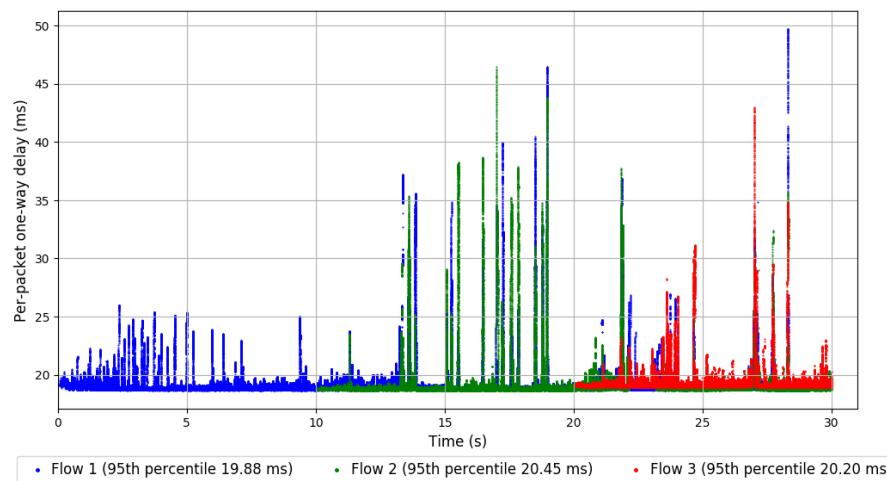
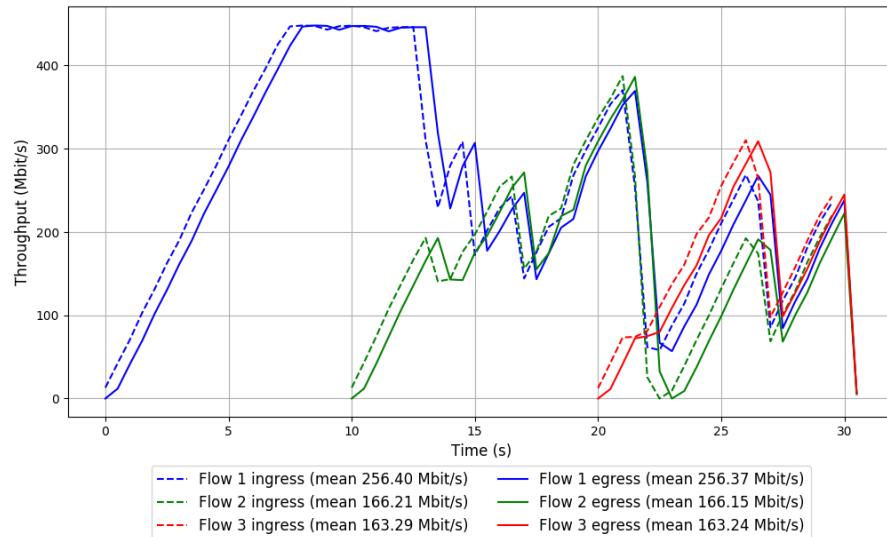


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-05 13:22:36
End at: 2018-06-05 13:23:06
Local clock offset: 0.198 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-06-05 16:57:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.32 Mbit/s
95th percentile per-packet one-way delay: 20.035 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 256.37 Mbit/s
95th percentile per-packet one-way delay: 19.884 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 166.15 Mbit/s
95th percentile per-packet one-way delay: 20.454 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 163.24 Mbit/s
95th percentile per-packet one-way delay: 20.200 ms
Loss rate: 0.03%
```

Run 5: Report of LEDBAT — Data Link

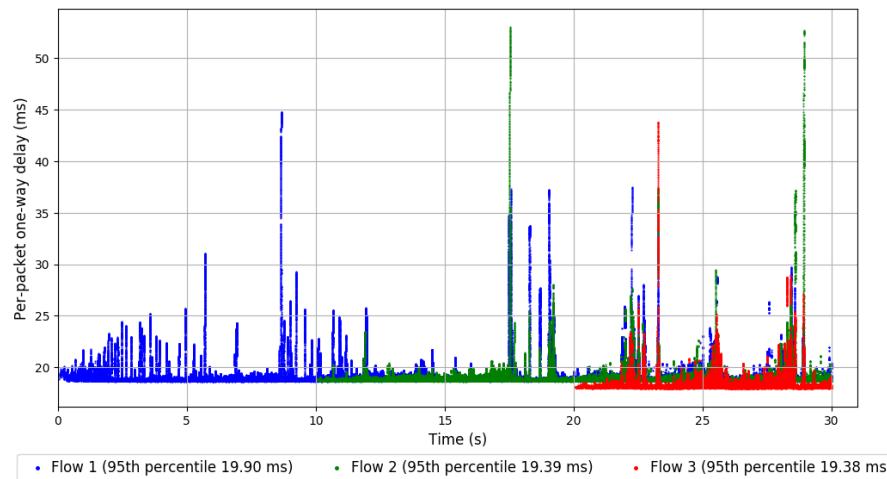
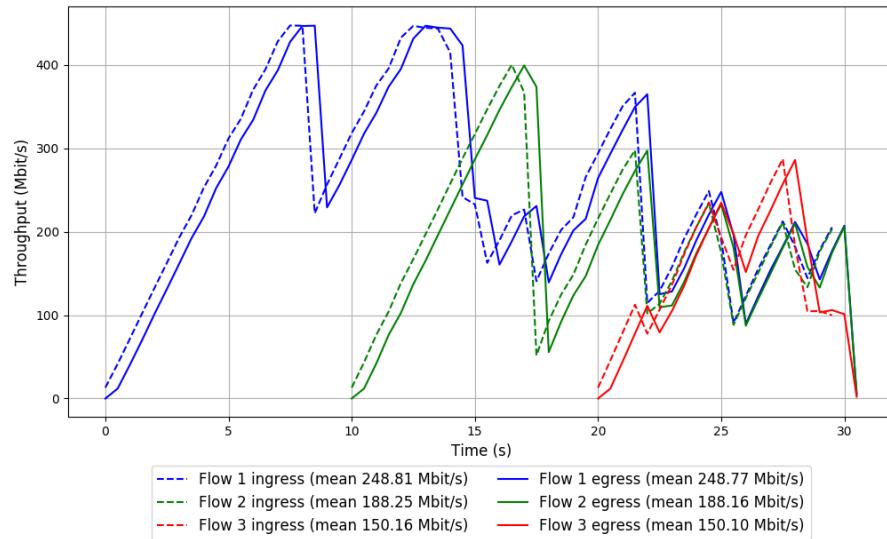


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-05 13:48:04
End at: 2018-06-05 13:48:34
Local clock offset: 0.342 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-05 16:57:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 424.00 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 248.77 Mbit/s
95th percentile per-packet one-way delay: 19.900 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 188.16 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 150.10 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.04%
```

Run 6: Report of LEDBAT — Data Link

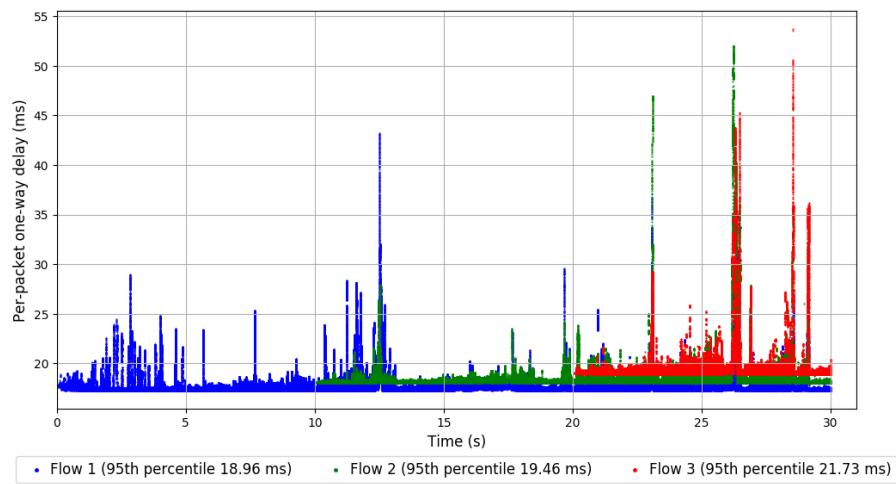
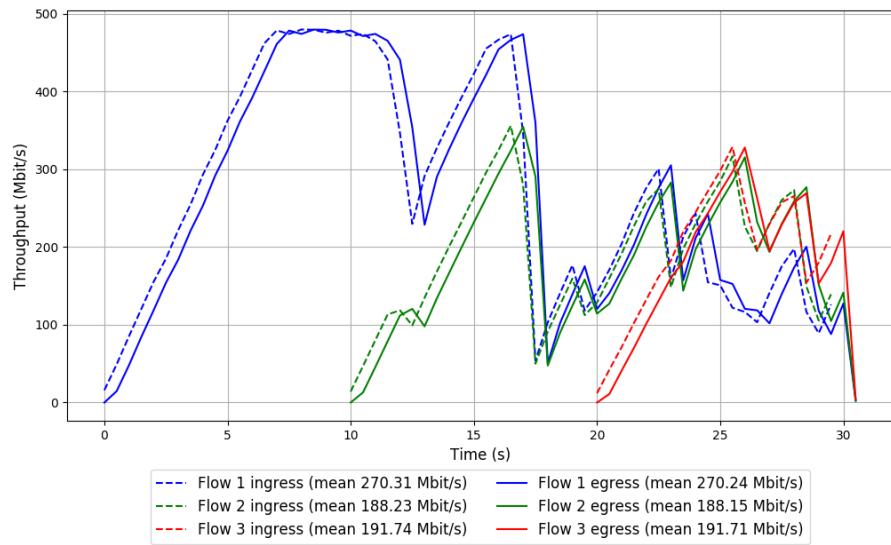


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-05 14:13:50
End at: 2018-06-05 14:14:20
Local clock offset: 0.462 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-06-05 16:57:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.29 Mbit/s
95th percentile per-packet one-way delay: 19.704 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 270.24 Mbit/s
95th percentile per-packet one-way delay: 18.958 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 191.71 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.01%
```

Run 7: Report of LEDBAT — Data Link

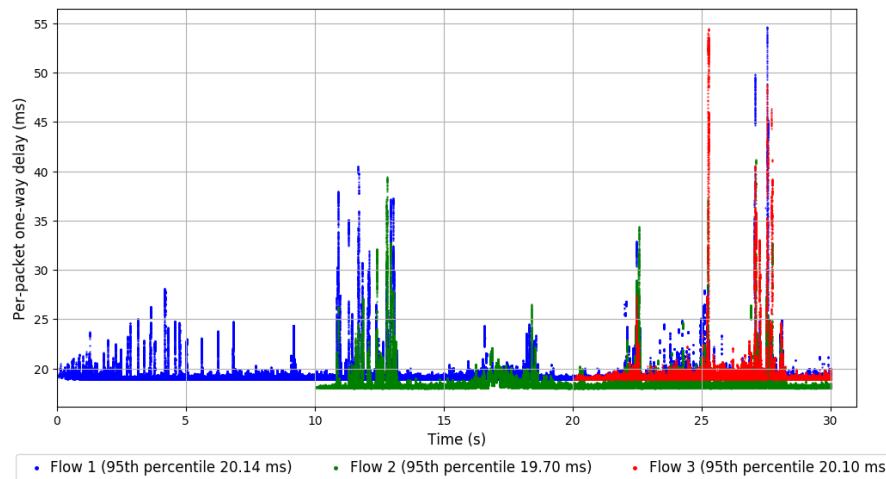
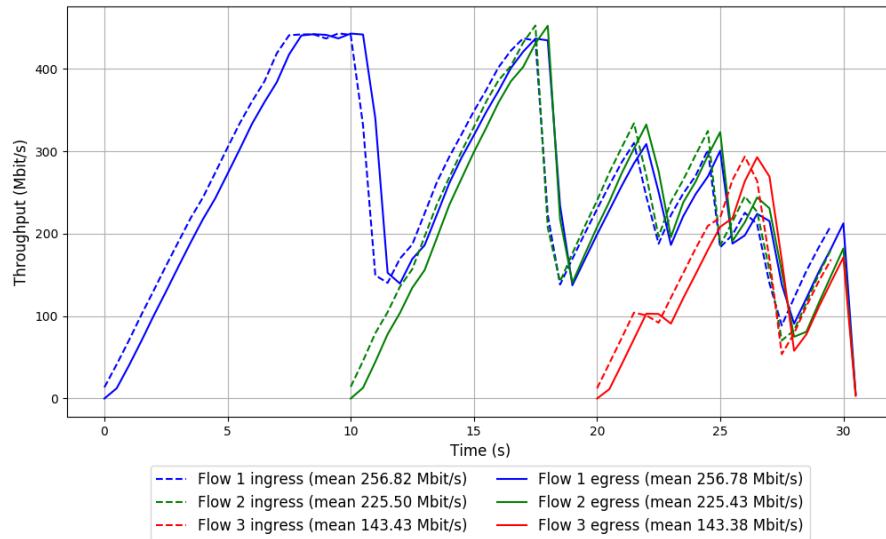


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-05 14:39:16
End at: 2018-06-05 14:39:46
Local clock offset: 0.148 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-06-05 16:59:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 454.59 Mbit/s
95th percentile per-packet one-way delay: 20.005 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 256.78 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 225.43 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 143.38 Mbit/s
95th percentile per-packet one-way delay: 20.102 ms
Loss rate: 0.04%
```

Run 8: Report of LEDBAT — Data Link

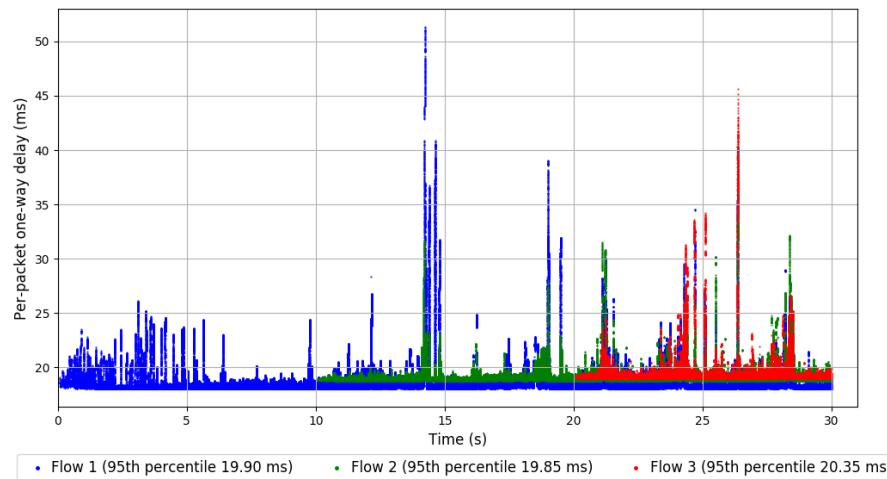
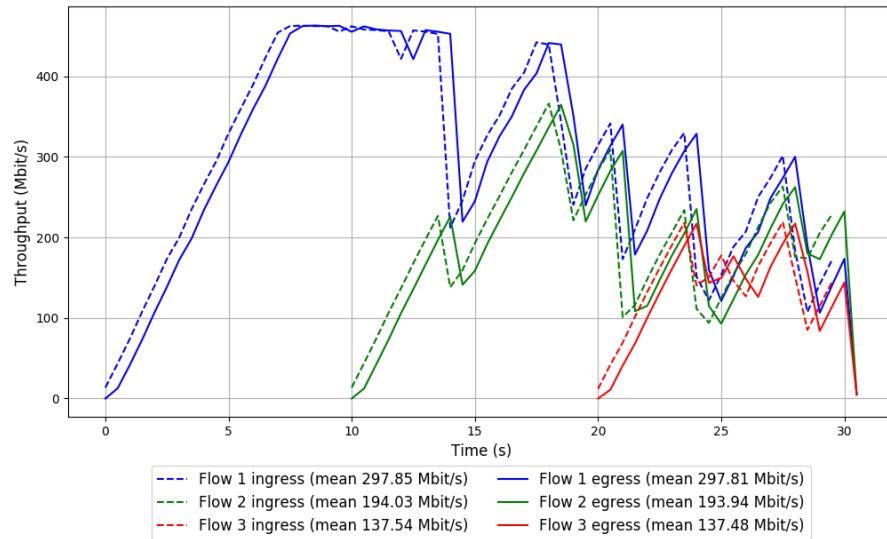


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-05 15:05:09
End at: 2018-06-05 15:05:39
Local clock offset: 0.359 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-06-05 17:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.70 Mbit/s
95th percentile per-packet one-way delay: 19.945 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 297.81 Mbit/s
95th percentile per-packet one-way delay: 19.904 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 19.852 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.48 Mbit/s
95th percentile per-packet one-way delay: 20.347 ms
Loss rate: 0.04%
```

Run 9: Report of LEDBAT — Data Link

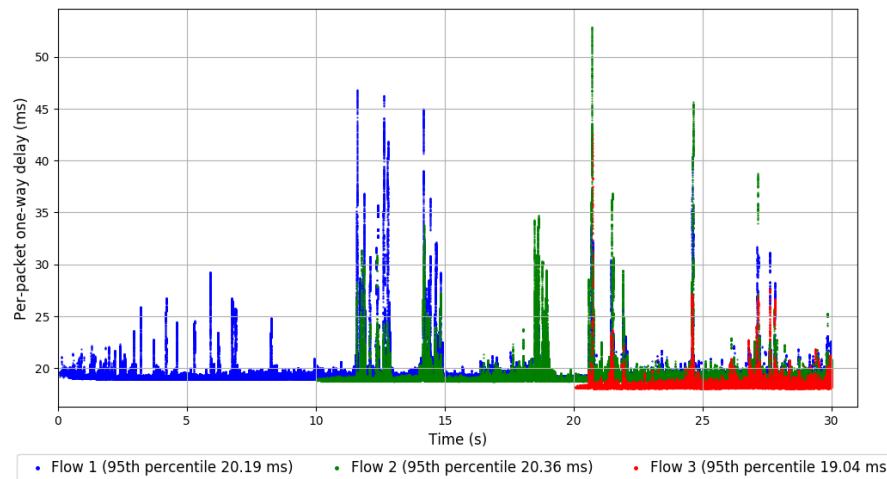
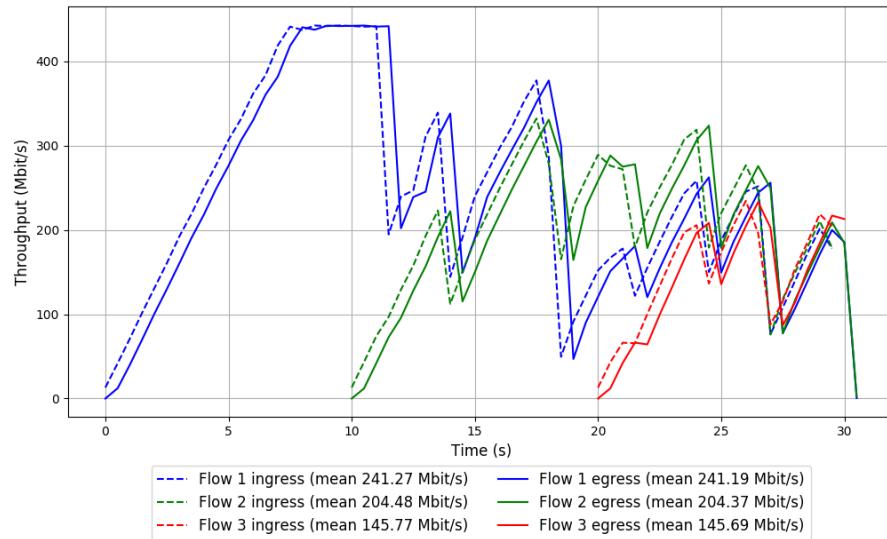


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-05 15:30:43
End at: 2018-06-05 15:31:13
Local clock offset: 0.191 ms
Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2018-06-05 17:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 425.71 Mbit/s
95th percentile per-packet one-way delay: 20.114 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 241.19 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 204.37 Mbit/s
95th percentile per-packet one-way delay: 20.359 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 145.69 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.04%
```

Run 10: Report of LEDBAT — Data Link

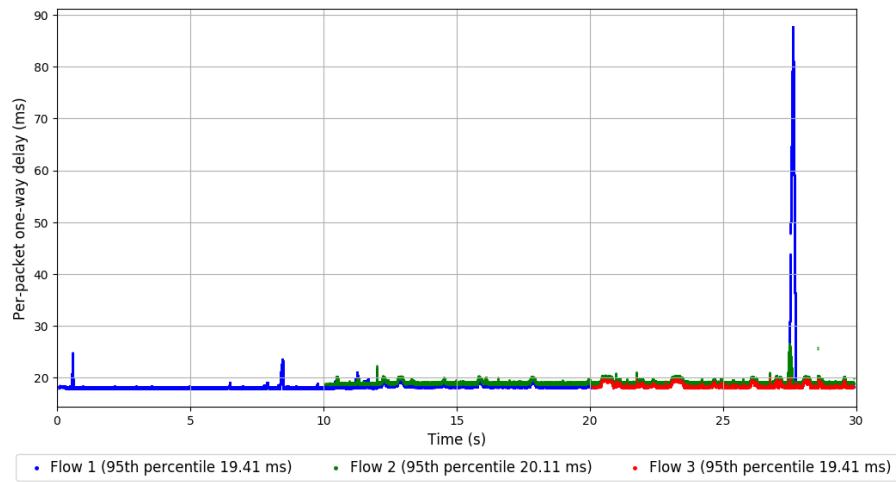
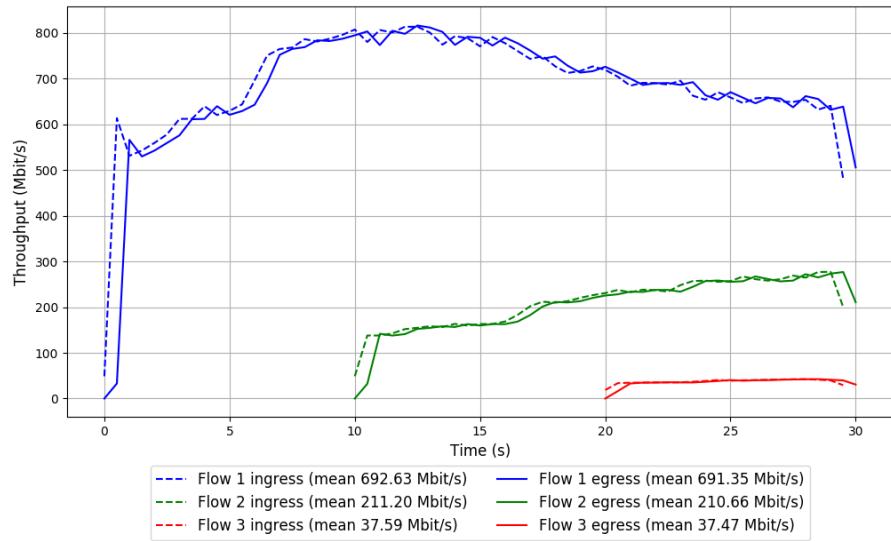


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-05 11:44:43
End at: 2018-06-05 11:45:13
Local clock offset: 0.206 ms
Remote clock offset: 0.373 ms

# Below is generated by plot.py at 2018-06-05 17:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 843.73 Mbit/s
95th percentile per-packet one-way delay: 19.522 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 691.35 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 210.66 Mbit/s
95th percentile per-packet one-way delay: 20.113 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.32%
```

Run 1: Report of PCC-Allegro — Data Link

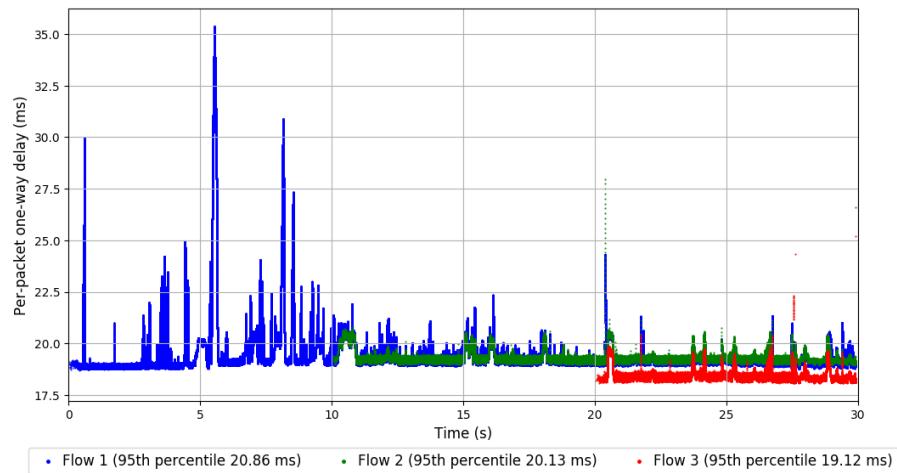
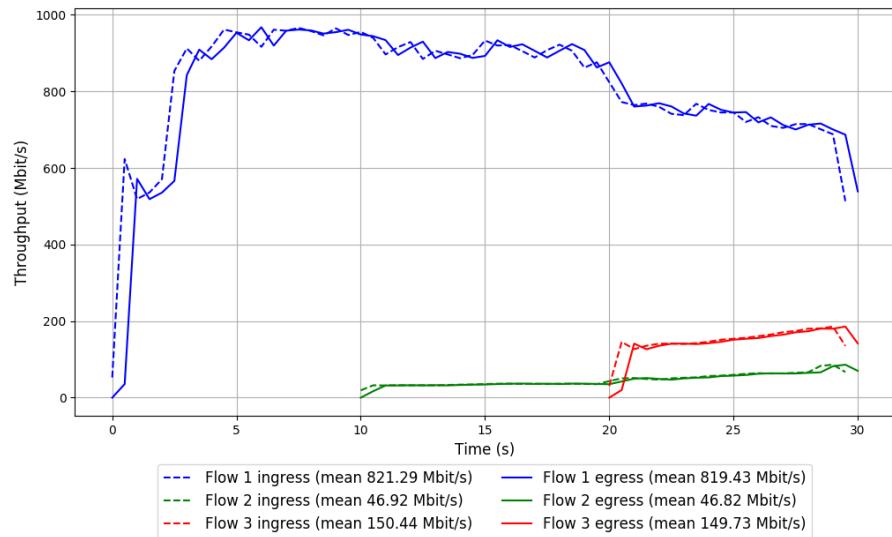


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-05 12:10:39
End at: 2018-06-05 12:11:09
Local clock offset: 0.184 ms
Remote clock offset: 0.44 ms

# Below is generated by plot.py at 2018-06-05 17:07:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 899.76 Mbit/s
95th percentile per-packet one-way delay: 20.719 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 819.43 Mbit/s
95th percentile per-packet one-way delay: 20.858 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 20.132 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 149.73 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.41%
```

Run 2: Report of PCC-Allegro — Data Link

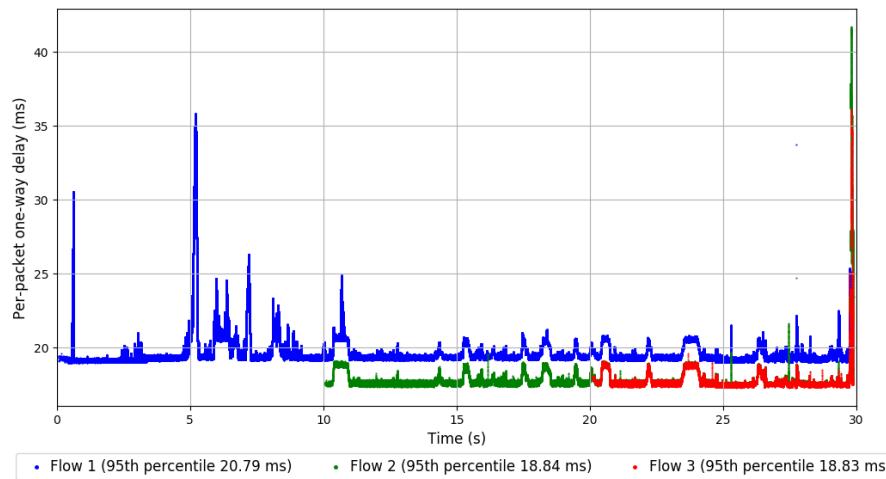
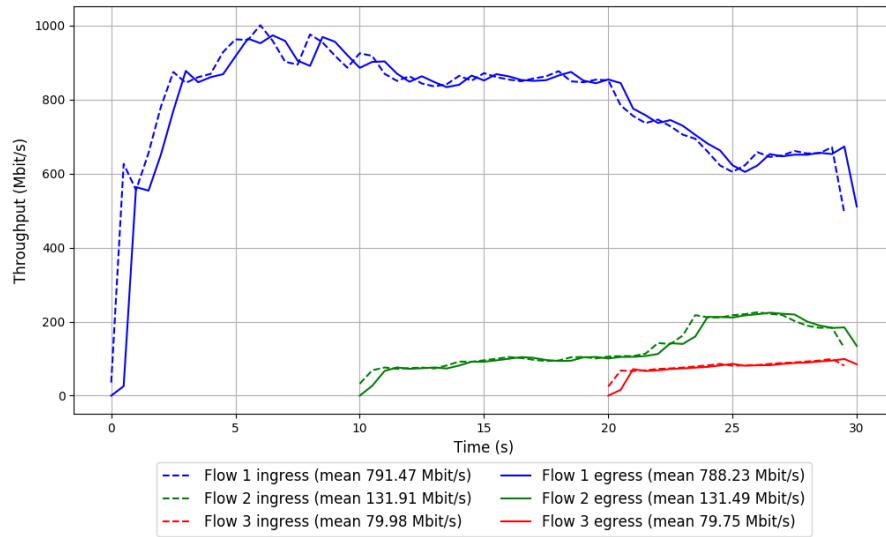


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-05 12:36:09
End at: 2018-06-05 12:36:39
Local clock offset: 0.209 ms
Remote clock offset: -0.334 ms

# Below is generated by plot.py at 2018-06-05 17:09:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 901.87 Mbit/s
95th percentile per-packet one-way delay: 20.705 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 788.23 Mbit/s
95th percentile per-packet one-way delay: 20.785 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 131.49 Mbit/s
95th percentile per-packet one-way delay: 18.836 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 79.75 Mbit/s
95th percentile per-packet one-way delay: 18.828 ms
Loss rate: 0.30%
```

Run 3: Report of PCC-Allegro — Data Link

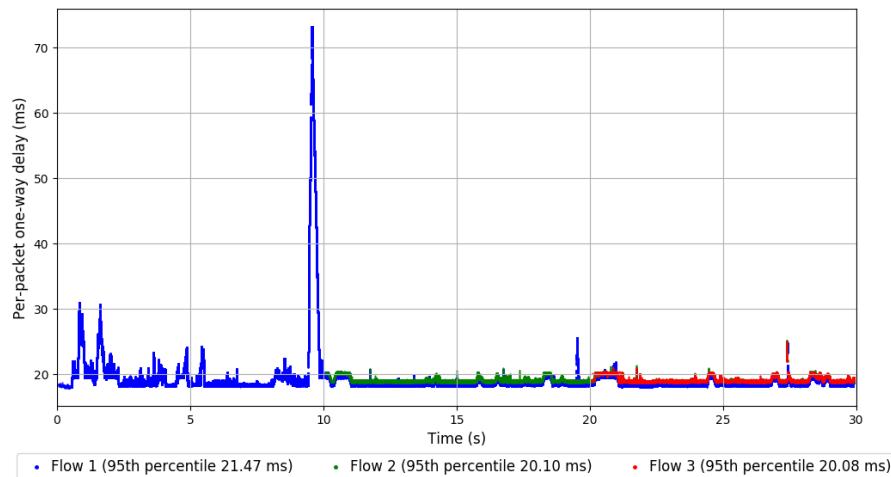
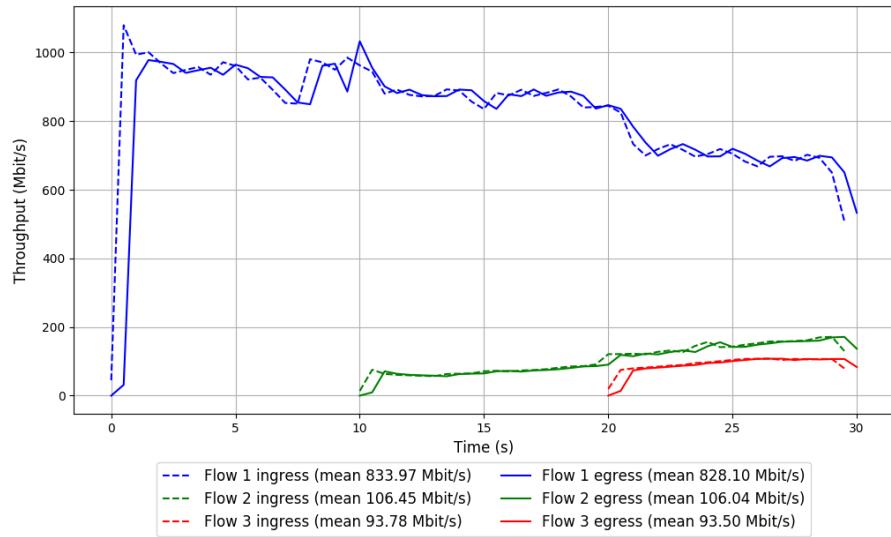


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:01:40
End at: 2018-06-05 13:02:10
Local clock offset: 0.279 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-05 17:09:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 929.38 Mbit/s
95th percentile per-packet one-way delay: 21.098 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 828.10 Mbit/s
95th percentile per-packet one-way delay: 21.473 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 20.082 ms
Loss rate: 0.30%
```

Run 4: Report of PCC-Allegro — Data Link

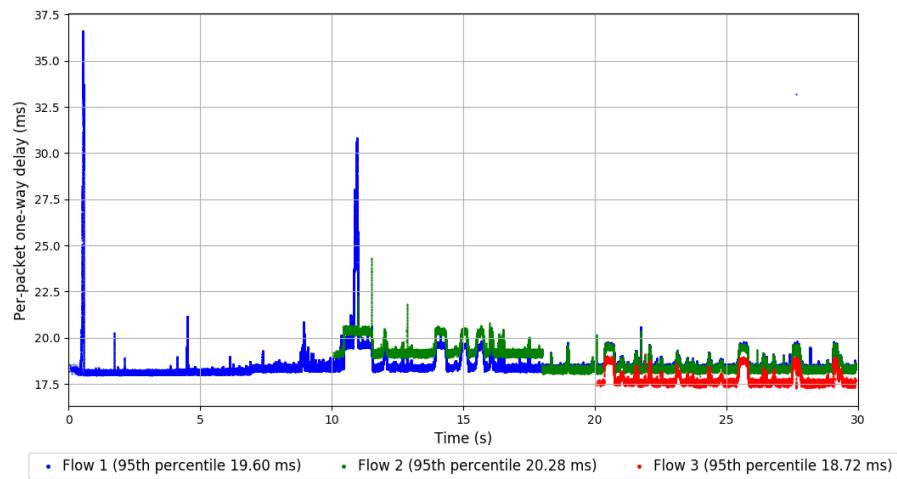
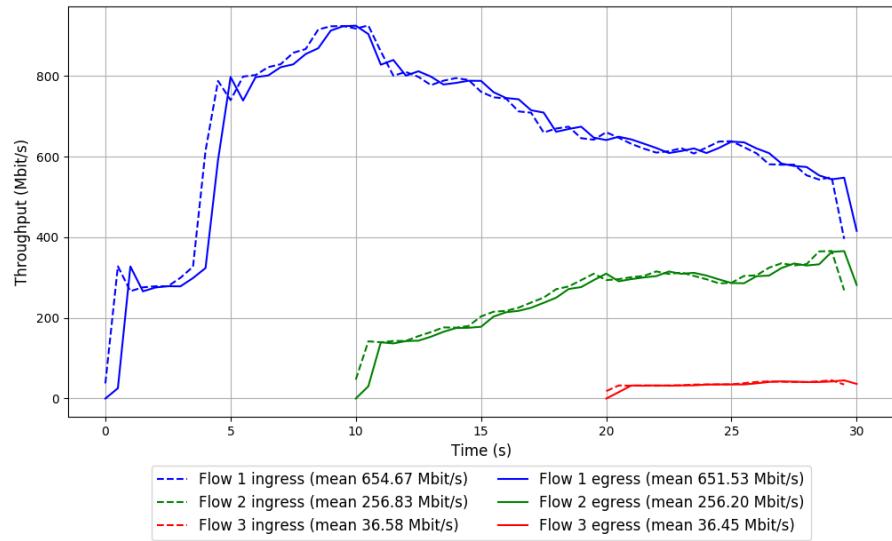


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:27:18
End at: 2018-06-05 13:27:48
Local clock offset: 0.26 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-06-05 17:09:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 833.88 Mbit/s
95th percentile per-packet one-way delay: 19.612 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 651.53 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 256.20 Mbit/s
95th percentile per-packet one-way delay: 20.282 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 18.721 ms
Loss rate: 0.35%
```

Run 5: Report of PCC-Allegro — Data Link

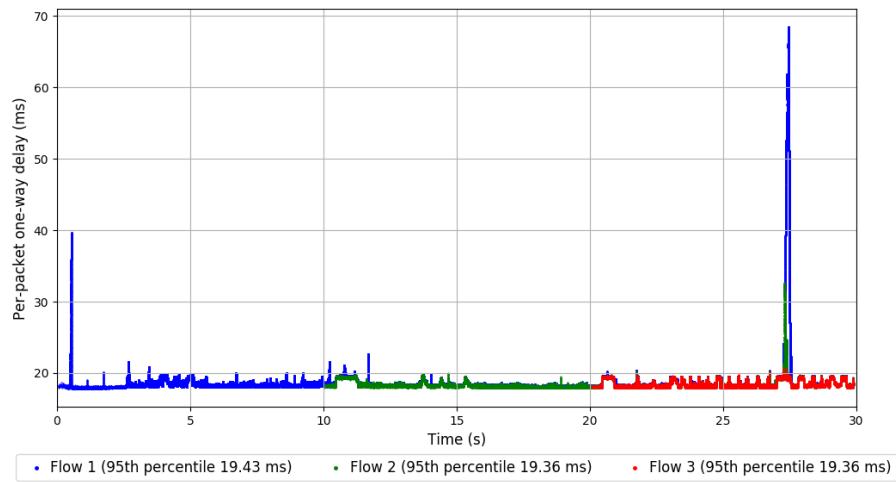
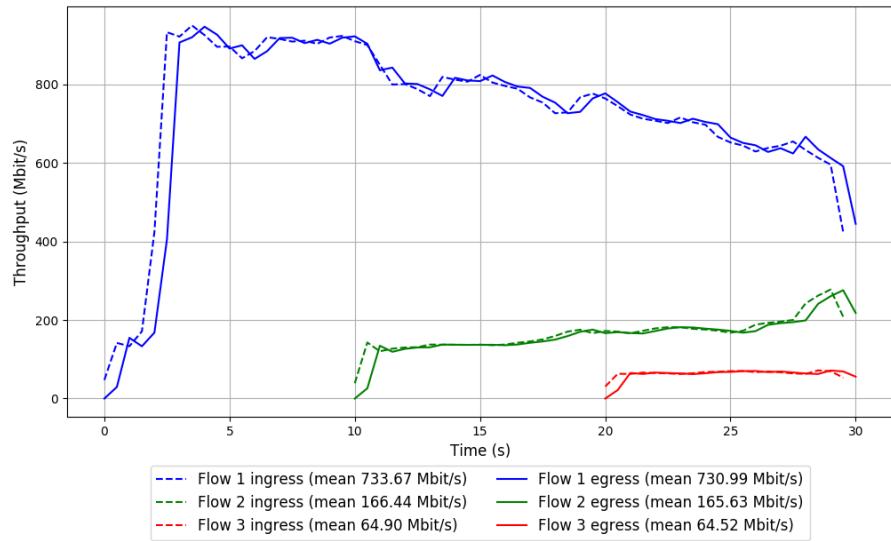


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-05 13:52:49
End at: 2018-06-05 13:53:19
Local clock offset: 0.376 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 17:10:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 862.39 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 730.99 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 165.63 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 19.363 ms
Loss rate: 0.58%
```

Run 6: Report of PCC-Allegro — Data Link

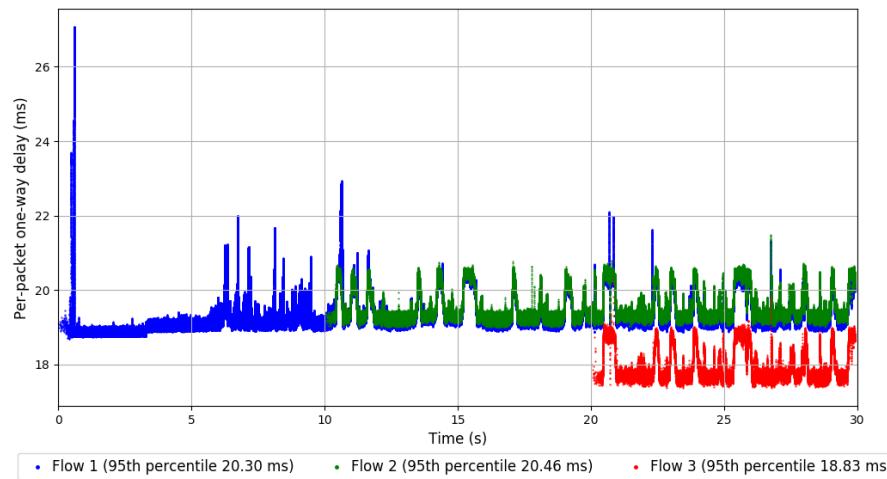
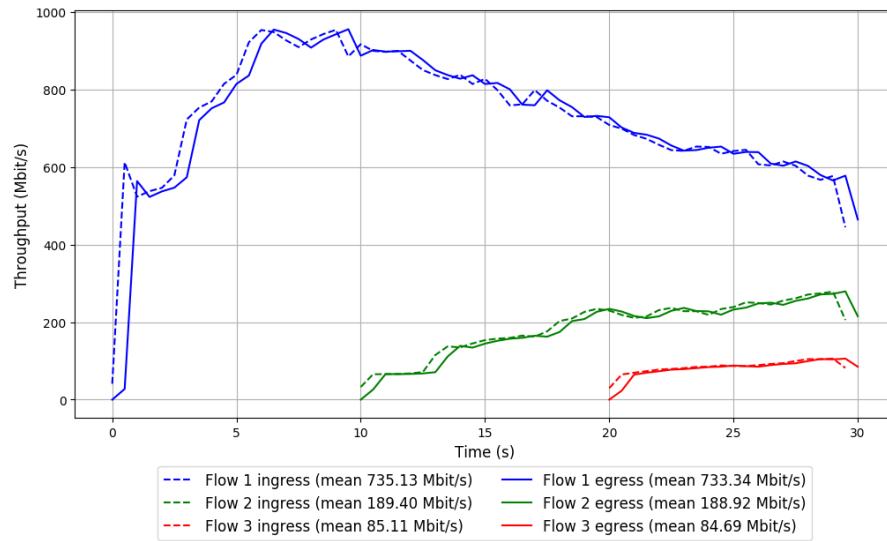


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-05 14:18:37
End at: 2018-06-05 14:19:07
Local clock offset: 0.391 ms
Remote clock offset: 0.13 ms

# Below is generated by plot.py at 2018-06-05 17:10:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 886.91 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 733.34 Mbit/s
95th percentile per-packet one-way delay: 20.297 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 188.92 Mbit/s
95th percentile per-packet one-way delay: 20.458 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.49%
```

Run 7: Report of PCC-Allegro — Data Link

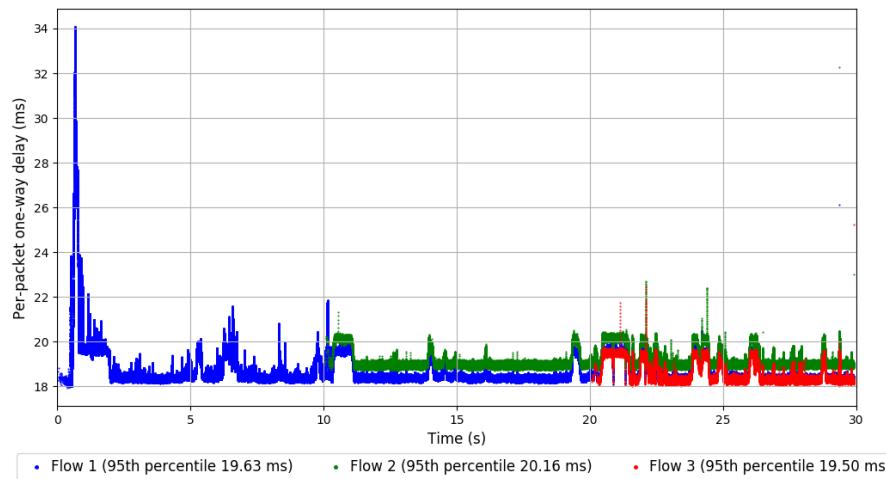
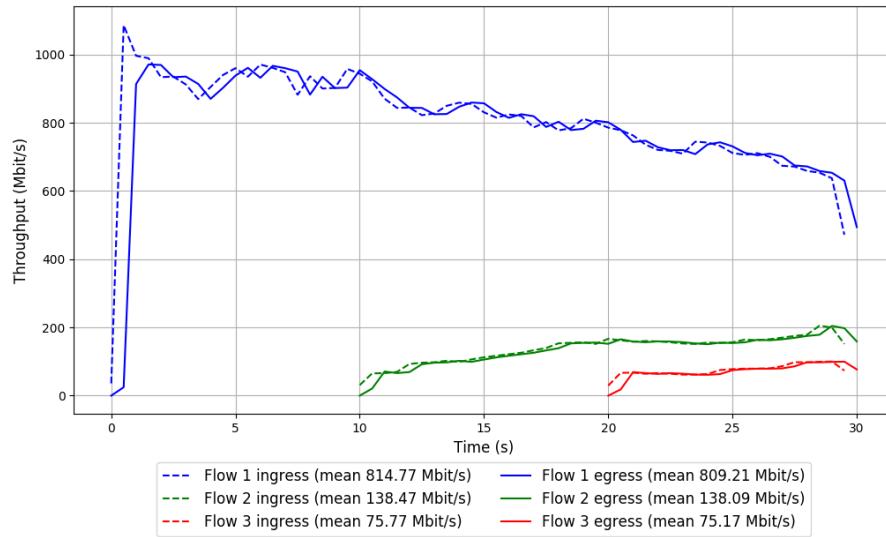


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-05 14:44:03
End at: 2018-06-05 14:44:33
Local clock offset: 0.2 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-06-05 17:11:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 925.61 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 809.21 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 138.09 Mbit/s
95th percentile per-packet one-way delay: 20.164 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.72%
```

Run 8: Report of PCC-Allegro — Data Link

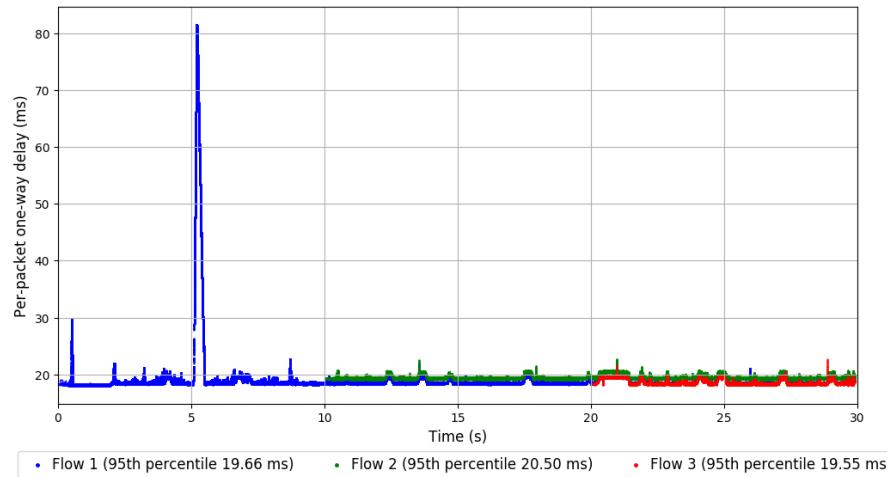
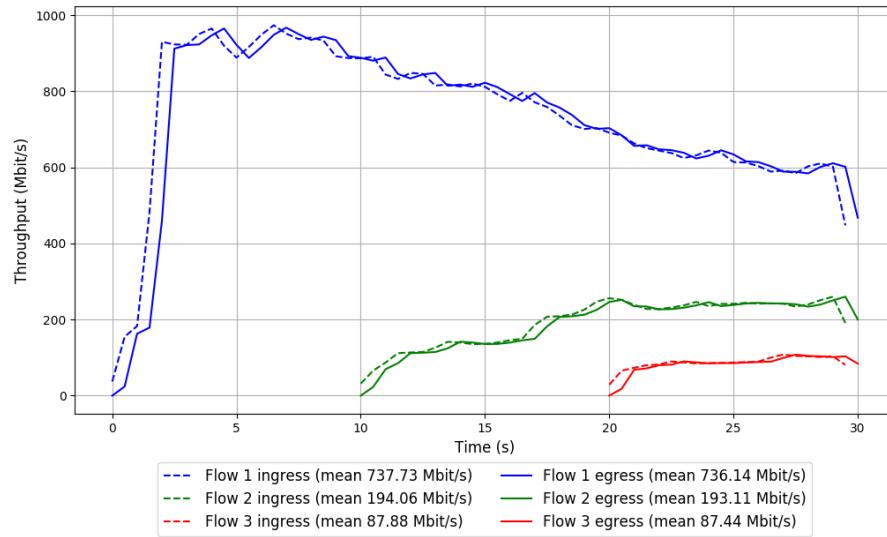


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:09:51
End at: 2018-06-05 15:10:21
Local clock offset: 0.357 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2018-06-05 17:17:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 893.33 Mbit/s
95th percentile per-packet one-way delay: 20.036 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 736.14 Mbit/s
95th percentile per-packet one-way delay: 19.659 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 20.500 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 19.548 ms
Loss rate: 0.50%
```

Run 9: Report of PCC-Allegro — Data Link

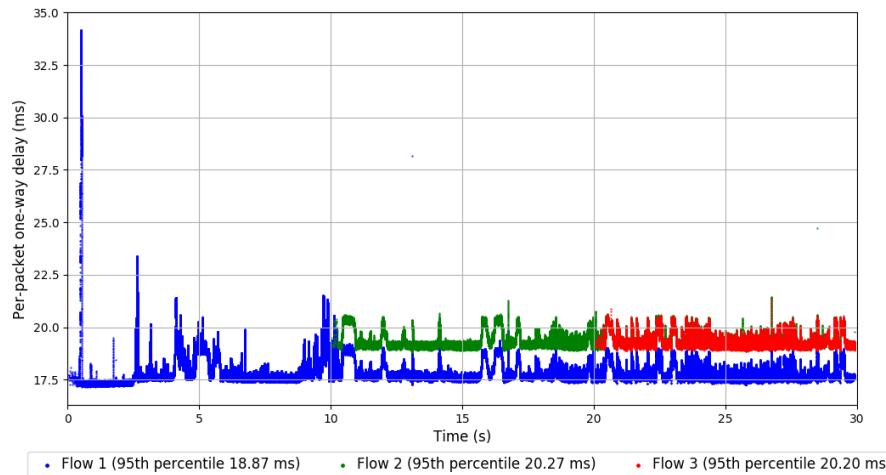
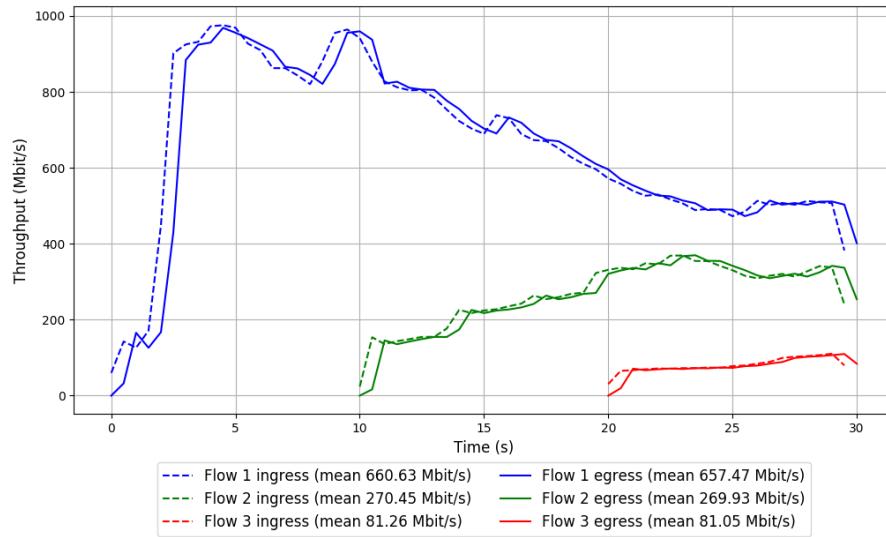


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-05 15:35:24
End at: 2018-06-05 15:35:54
Local clock offset: 0.222 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-06-05 17:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 863.49 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 657.47 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 269.93 Mbit/s
95th percentile per-packet one-way delay: 20.267 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 20.198 ms
Loss rate: 0.26%
```

Run 10: Report of PCC-Allegro — Data Link

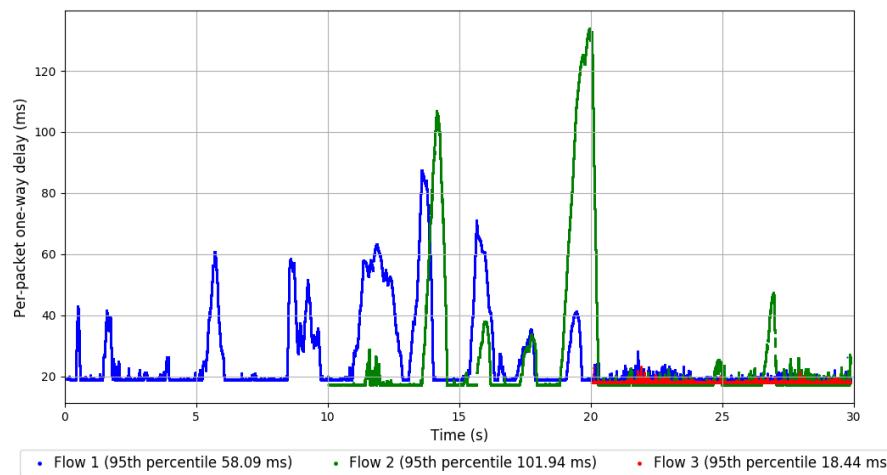
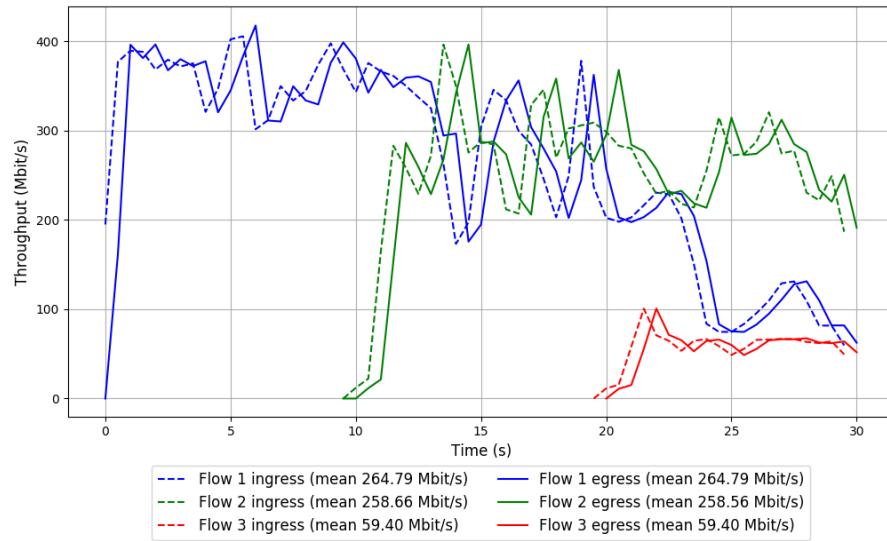


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-05 11:32:26
End at: 2018-06-05 11:32:56
Local clock offset: 0.277 ms
Remote clock offset: 0.168 ms

# Below is generated by plot.py at 2018-06-05 17:18:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.56 Mbit/s
95th percentile per-packet one-way delay: 64.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 264.79 Mbit/s
95th percentile per-packet one-way delay: 58.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 258.56 Mbit/s
95th percentile per-packet one-way delay: 101.938 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 18.437 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

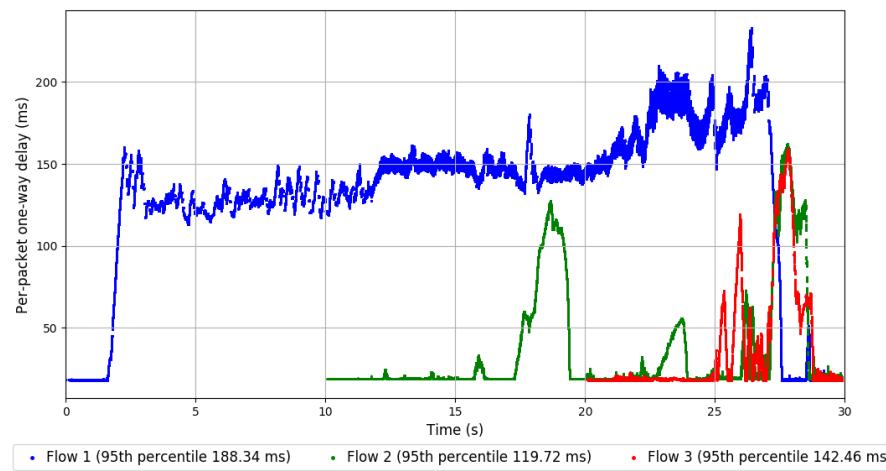
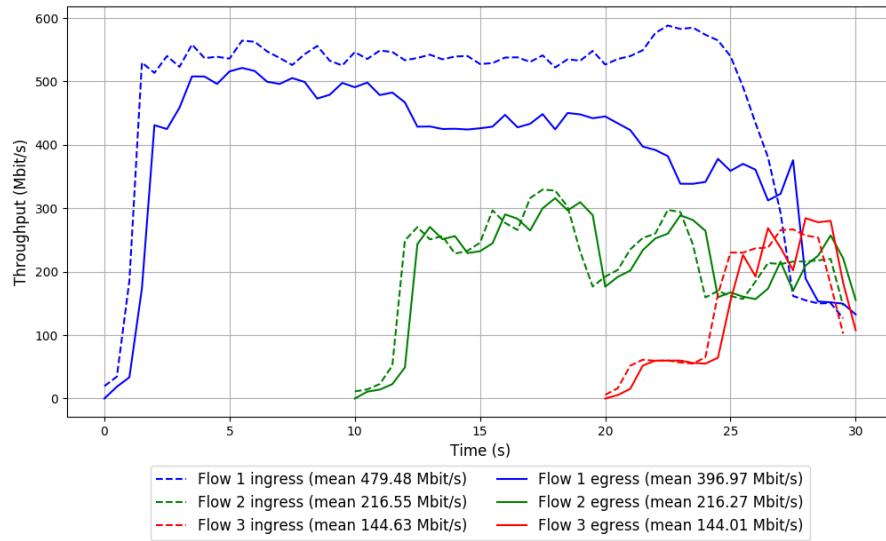


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-05 11:57:58
End at: 2018-06-05 11:58:28
Local clock offset: 0.22 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at 2018-06-05 17:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.37 Mbit/s
95th percentile per-packet one-way delay: 182.261 ms
Loss rate: 12.35%
-- Flow 1:
Average throughput: 396.97 Mbit/s
95th percentile per-packet one-way delay: 188.340 ms
Loss rate: 17.21%
-- Flow 2:
Average throughput: 216.27 Mbit/s
95th percentile per-packet one-way delay: 119.715 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 144.01 Mbit/s
95th percentile per-packet one-way delay: 142.460 ms
Loss rate: 0.50%
```

Run 2: Report of PCC-Expr — Data Link

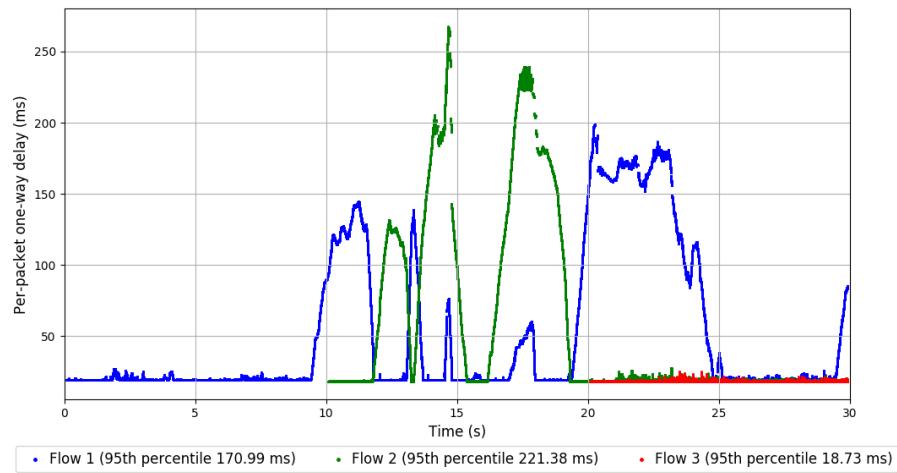
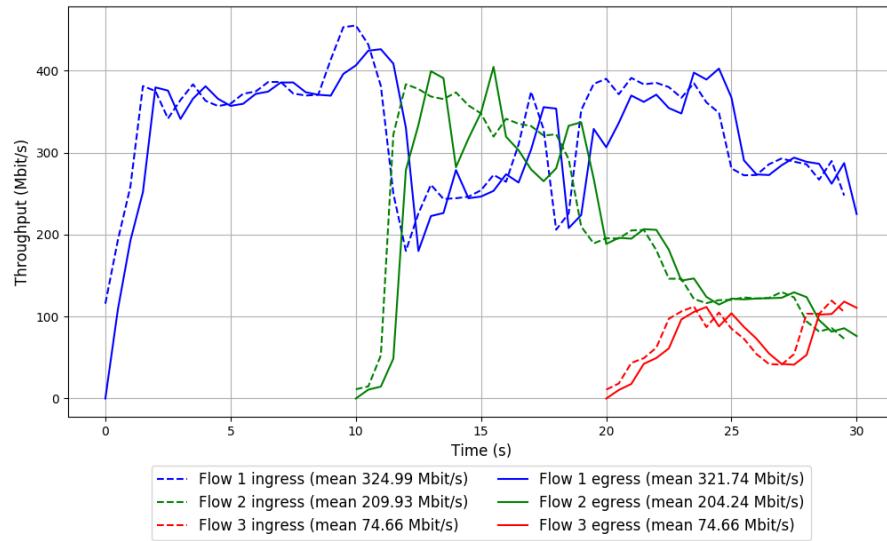


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-05 12:23:47
End at: 2018-06-05 12:24:17
Local clock offset: 0.306 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-06-05 17:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.24 Mbit/s
95th percentile per-packet one-way delay: 179.141 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 321.74 Mbit/s
95th percentile per-packet one-way delay: 170.986 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 204.24 Mbit/s
95th percentile per-packet one-way delay: 221.380 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 18.730 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Expr — Data Link

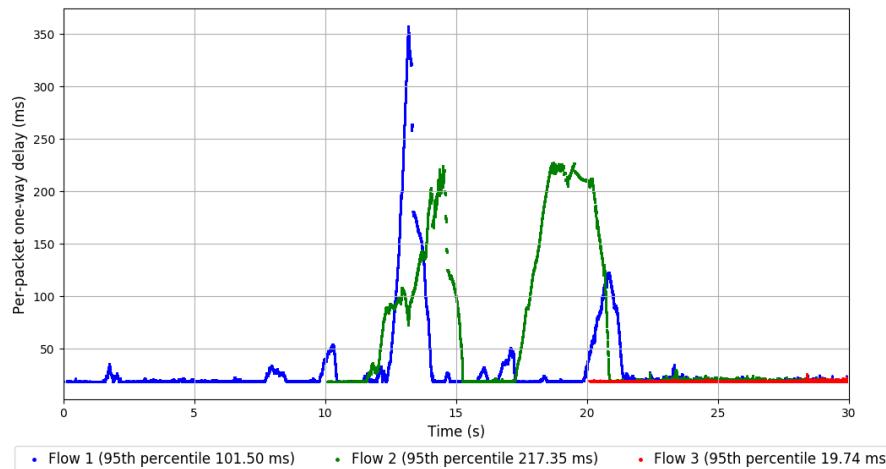
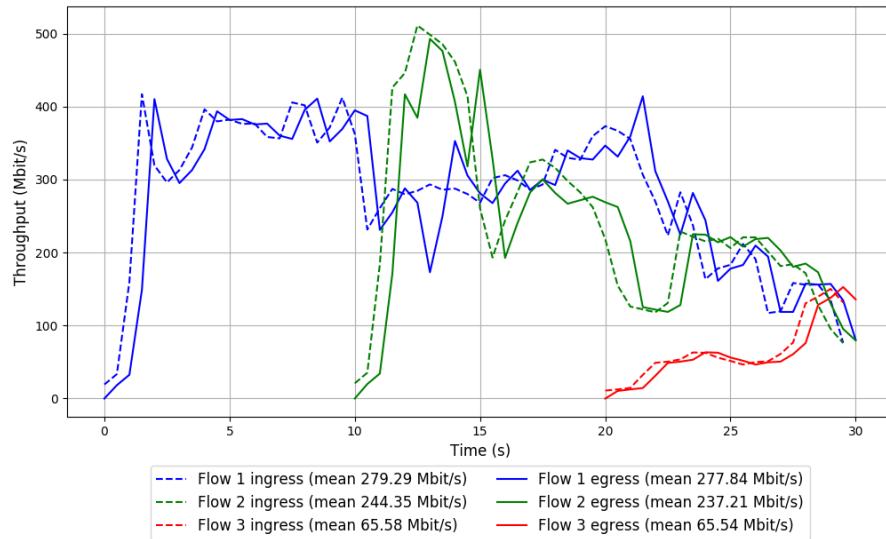


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-05 12:49:13
End at: 2018-06-05 12:49:43
Local clock offset: 0.201 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2018-06-05 17:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.22 Mbit/s
95th percentile per-packet one-way delay: 197.642 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 277.84 Mbit/s
95th percentile per-packet one-way delay: 101.503 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 237.21 Mbit/s
95th percentile per-packet one-way delay: 217.354 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.05%
```

Run 4: Report of PCC-Expr — Data Link

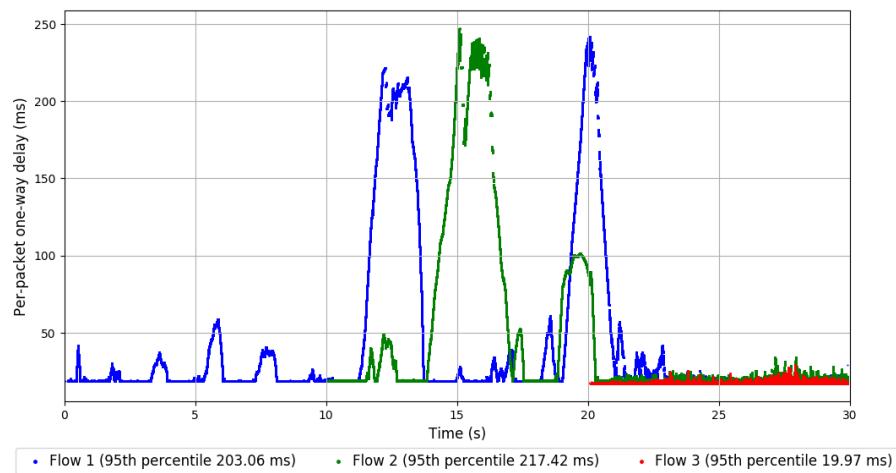
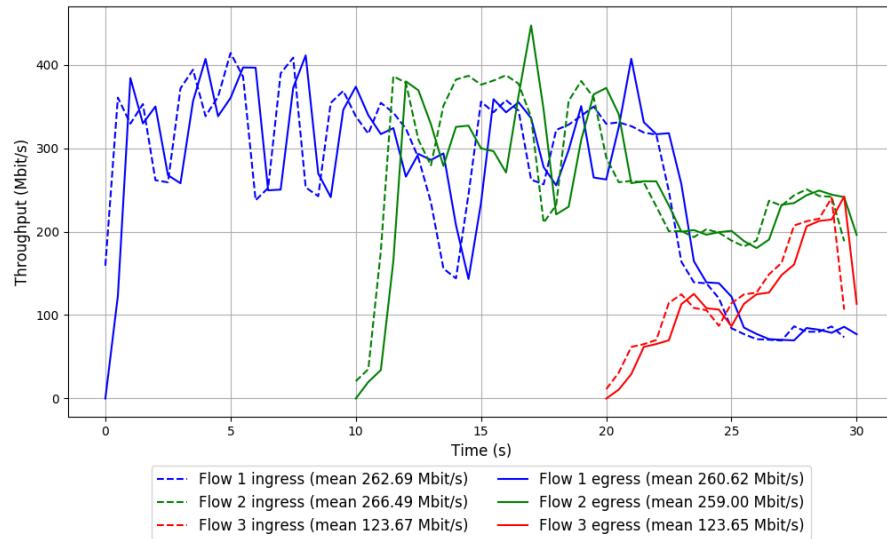


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-05 13:14:54
End at: 2018-06-05 13:15:24
Local clock offset: 0.289 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-06-05 17:22:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.58 Mbit/s
95th percentile per-packet one-way delay: 202.888 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 203.055 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 259.00 Mbit/s
95th percentile per-packet one-way delay: 217.418 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 123.65 Mbit/s
95th percentile per-packet one-way delay: 19.970 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Expr — Data Link

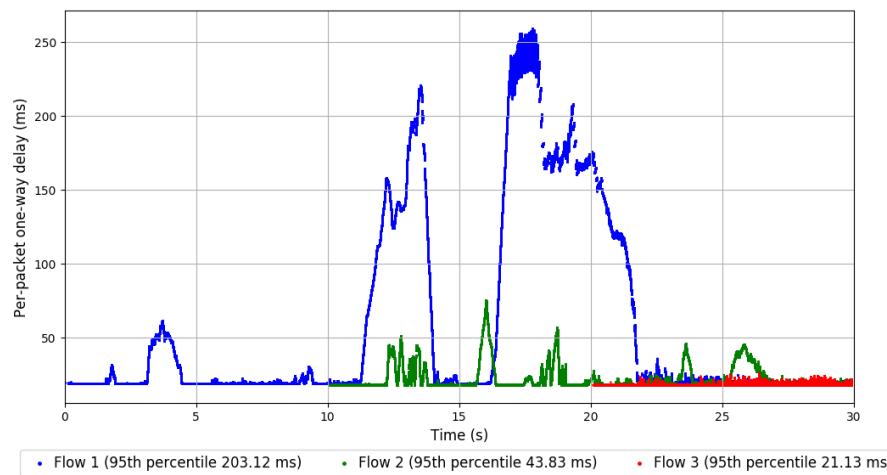
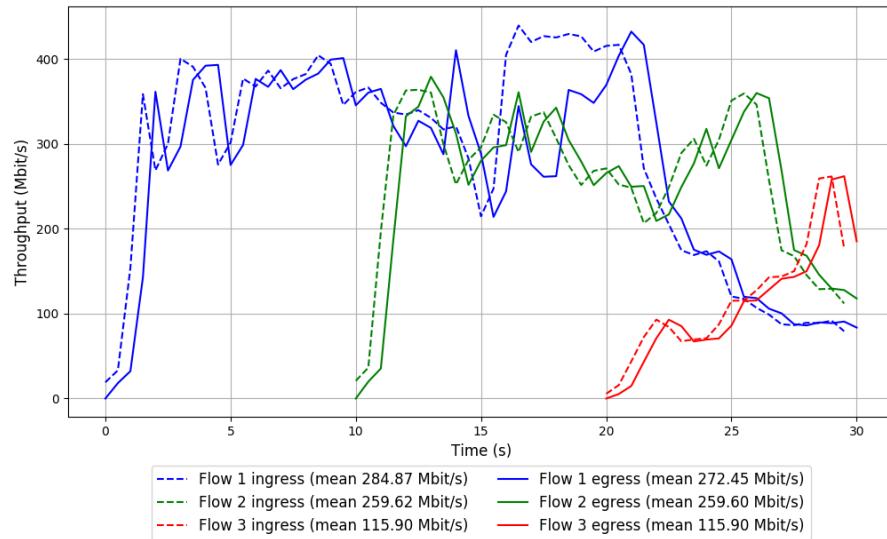


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-05 13:40:21
End at: 2018-06-05 13:40:51
Local clock offset: 0.294 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-06-05 17:23:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 483.34 Mbit/s
95th percentile per-packet one-way delay: 177.298 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 272.45 Mbit/s
95th percentile per-packet one-way delay: 203.118 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 259.60 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 115.90 Mbit/s
95th percentile per-packet one-way delay: 21.134 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Expr — Data Link

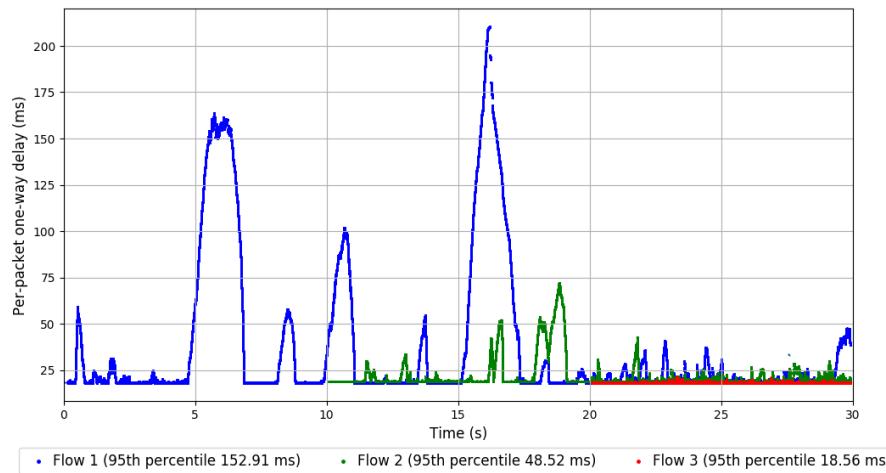
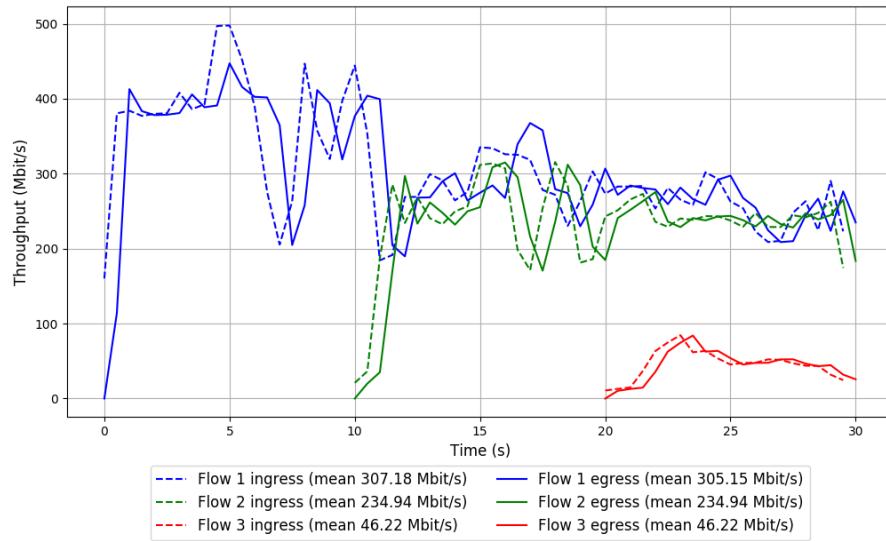


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:06:08
End at: 2018-06-05 14:06:38
Local clock offset: 0.364 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-06-05 17:30:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 476.66 Mbit/s
95th percentile per-packet one-way delay: 135.457 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 305.15 Mbit/s
95th percentile per-packet one-way delay: 152.914 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 234.94 Mbit/s
95th percentile per-packet one-way delay: 48.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 18.563 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

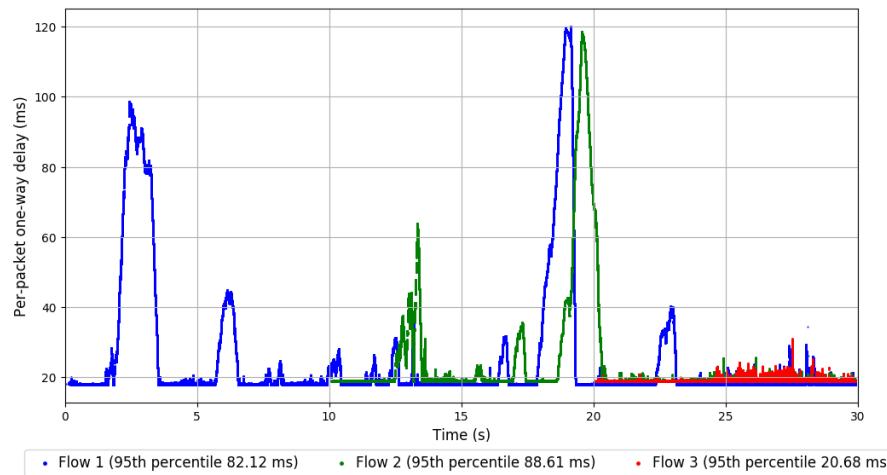
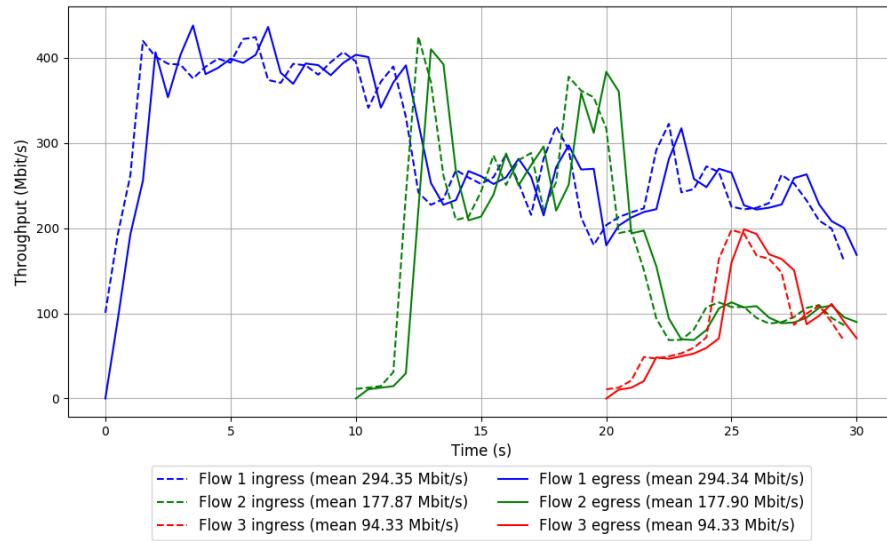


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:31:32
End at: 2018-06-05 14:32:02
Local clock offset: 0.3 ms
Remote clock offset: 0.181 ms

# Below is generated by plot.py at 2018-06-05 17:30:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.77 Mbit/s
95th percentile per-packet one-way delay: 81.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.34 Mbit/s
95th percentile per-packet one-way delay: 82.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.90 Mbit/s
95th percentile per-packet one-way delay: 88.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 20.683 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Expr — Data Link

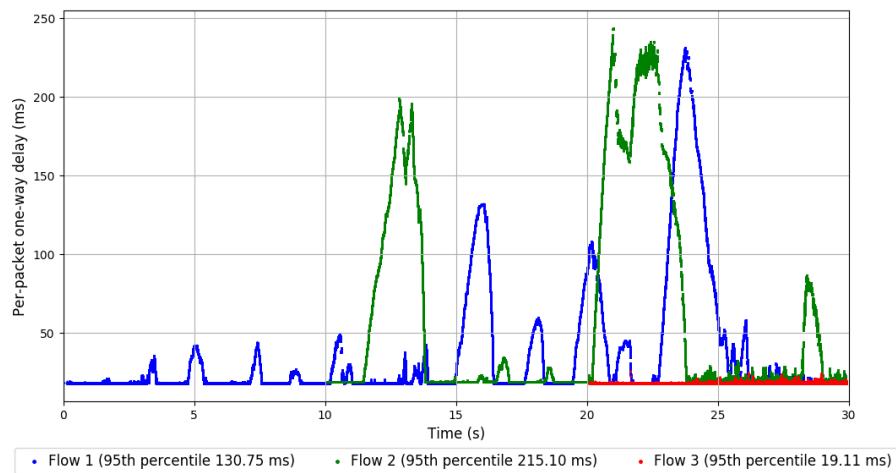
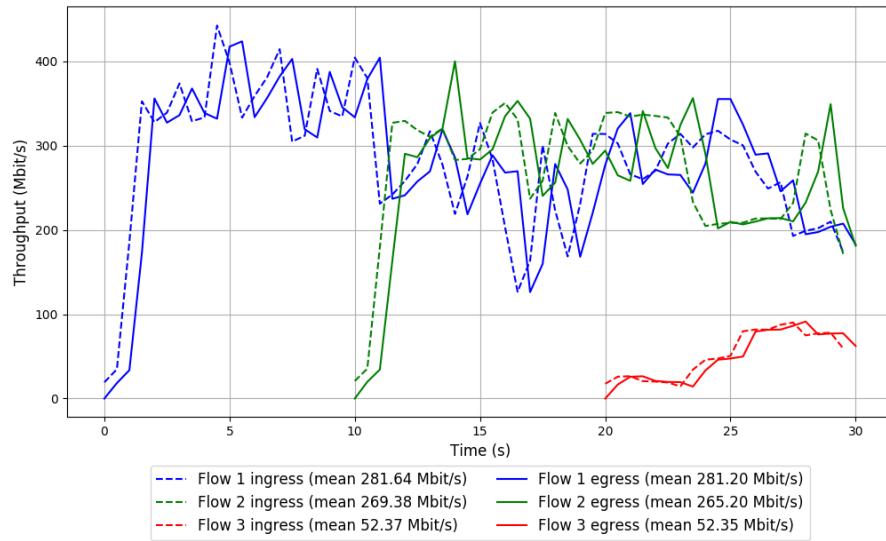


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-05 14:57:23
End at: 2018-06-05 14:57:53
Local clock offset: 0.268 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-06-05 17:30:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 474.84 Mbit/s
95th percentile per-packet one-way delay: 182.617 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 281.20 Mbit/s
95th percentile per-packet one-way delay: 130.745 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 265.20 Mbit/s
95th percentile per-packet one-way delay: 215.100 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.03%
```

Run 9: Report of PCC-Expr — Data Link

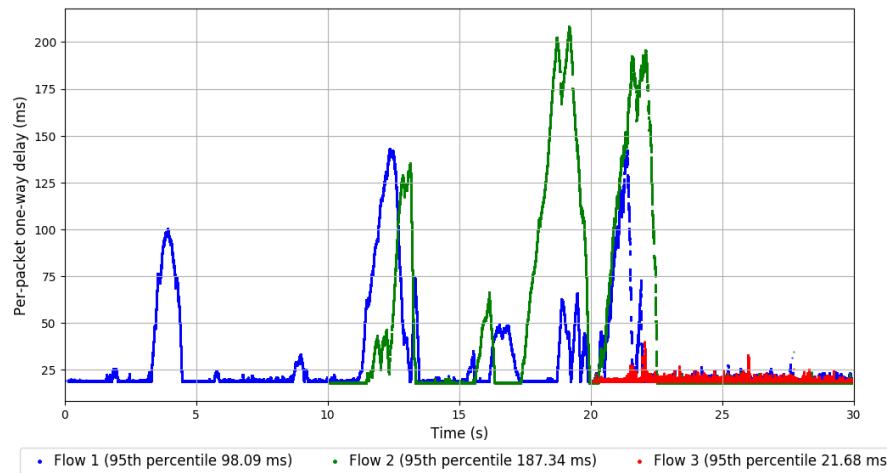
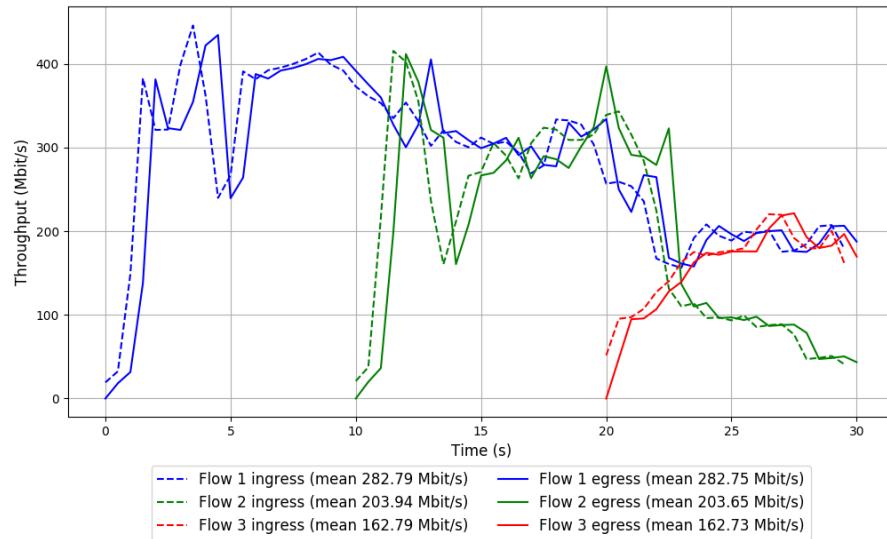


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-05 15:22:58
End at: 2018-06-05 15:23:28
Local clock offset: 0.417 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.90 Mbit/s
95th percentile per-packet one-way delay: 140.232 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 282.75 Mbit/s
95th percentile per-packet one-way delay: 98.095 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 203.65 Mbit/s
95th percentile per-packet one-way delay: 187.340 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 162.73 Mbit/s
95th percentile per-packet one-way delay: 21.680 ms
Loss rate: 0.03%
```

Run 10: Report of PCC-Expr — Data Link

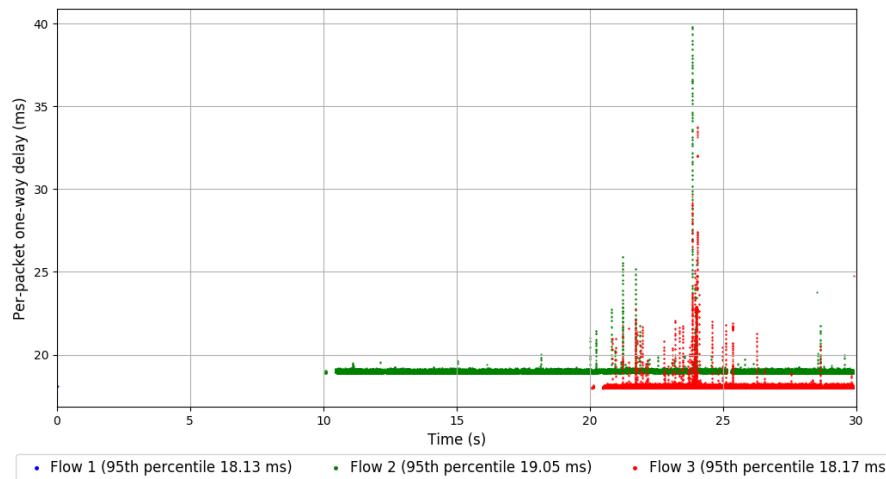
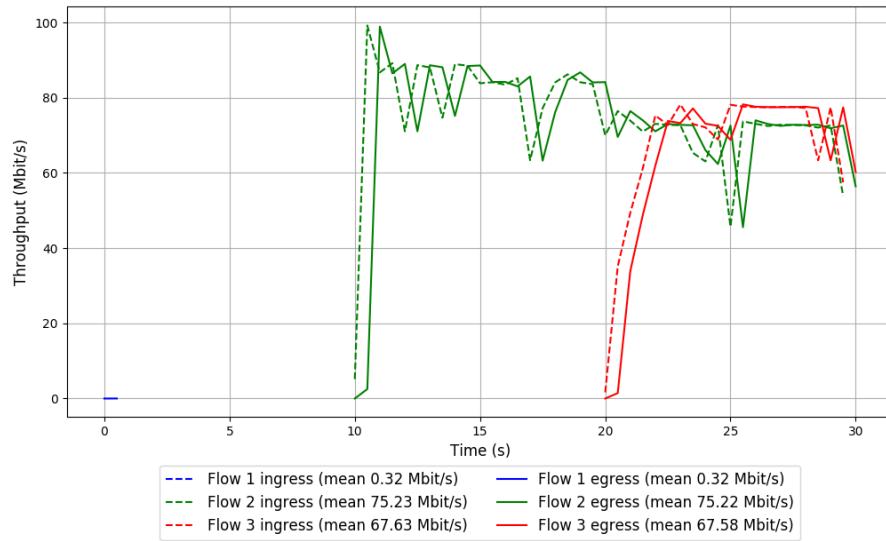


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 11:41:38
End at: 2018-06-05 11:42:08
Local clock offset: 0.134 ms
Remote clock offset: 0.345 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 18.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 18.174 ms
Loss rate: 0.01%
```

Run 1: Report of QUIC Cubic — Data Link

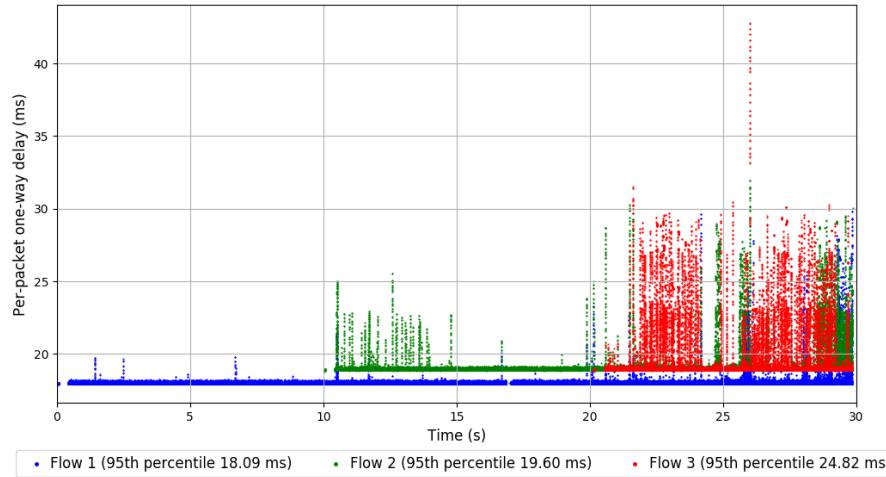
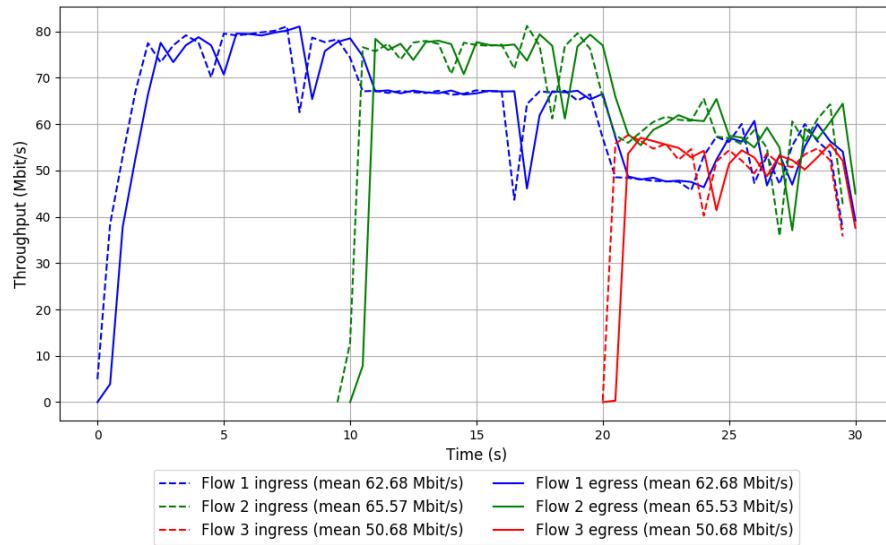


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:07:33
End at: 2018-06-05 12:08:03
Local clock offset: 0.259 ms
Remote clock offset: 0.356 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.81 Mbit/s
95th percentile per-packet one-way delay: 19.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 18.092 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 24.821 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

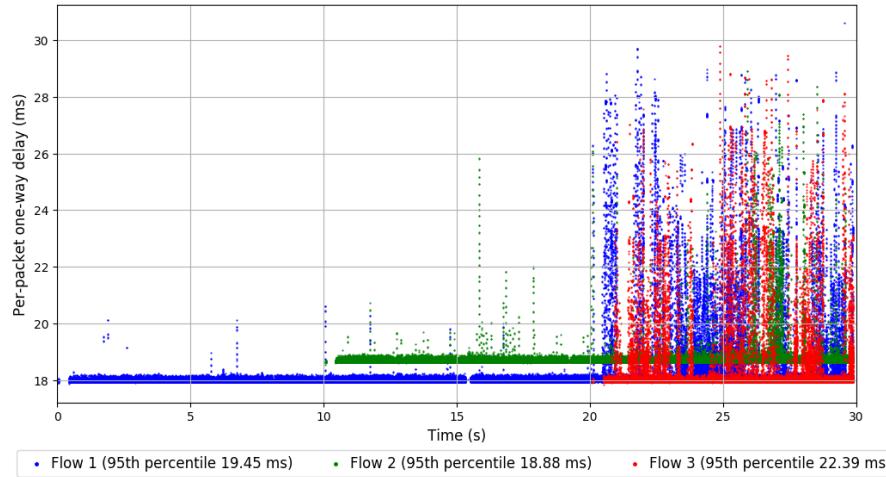
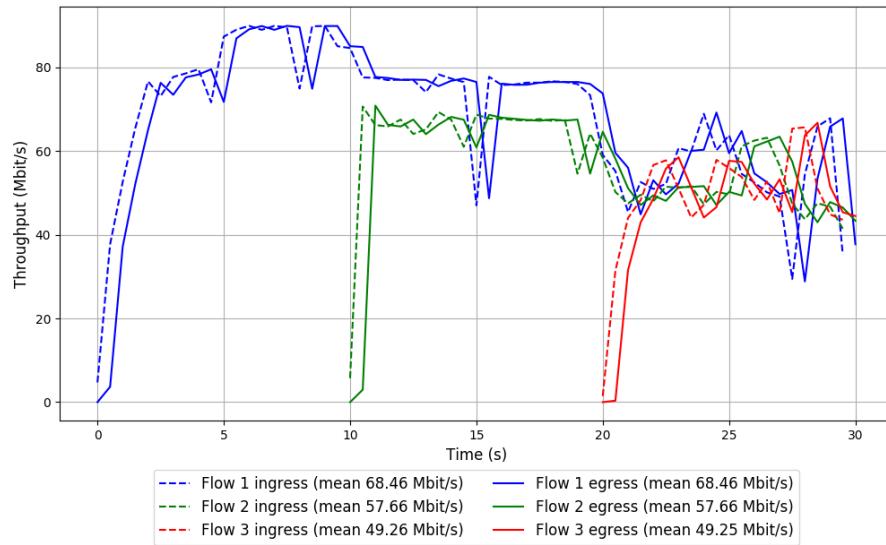


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:33:01
End at: 2018-06-05 12:33:31
Local clock offset: 0.279 ms
Remote clock offset: -0.361 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.95 Mbit/s
95th percentile per-packet one-way delay: 19.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 22.391 ms
Loss rate: 0.02%
```

Run 3: Report of QUIC Cubic — Data Link

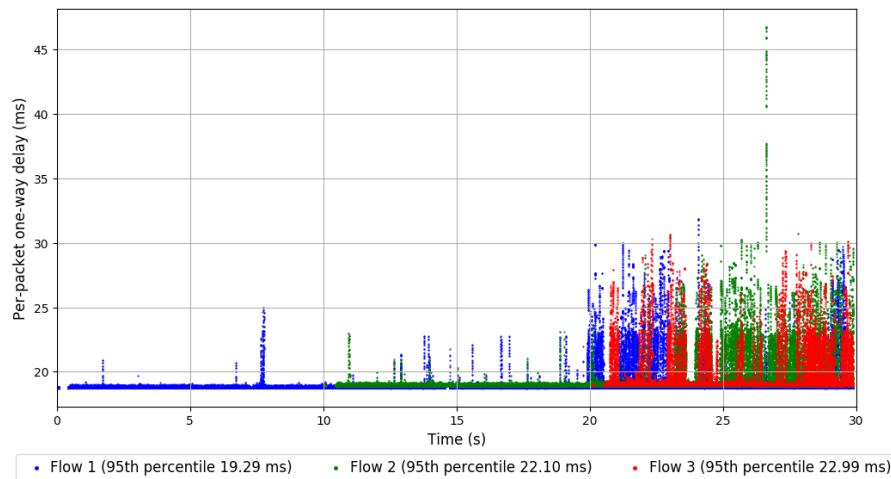
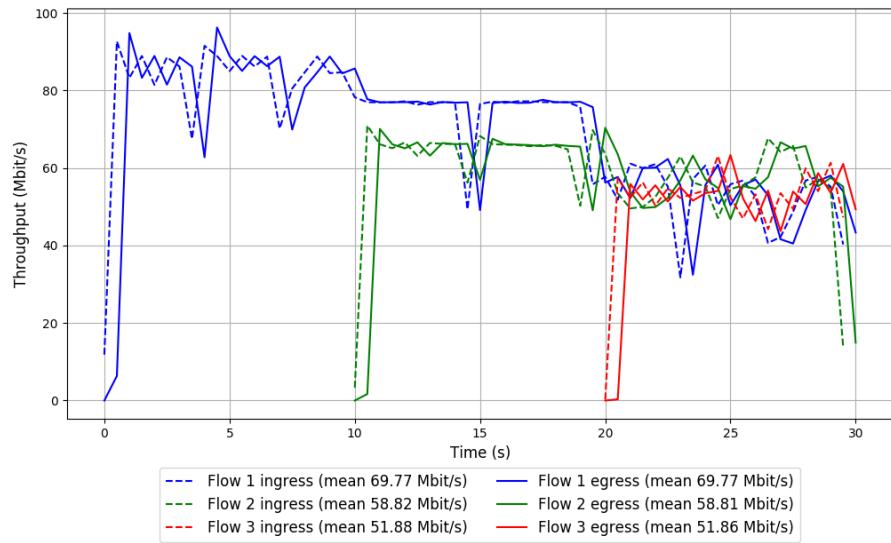


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-05 12:58:33
End at: 2018-06-05 12:59:03
Local clock offset: 0.173 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.83 Mbit/s
95th percentile per-packet one-way delay: 21.290 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 22.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 22.987 ms
Loss rate: 0.04%
```

Run 4: Report of QUIC Cubic — Data Link

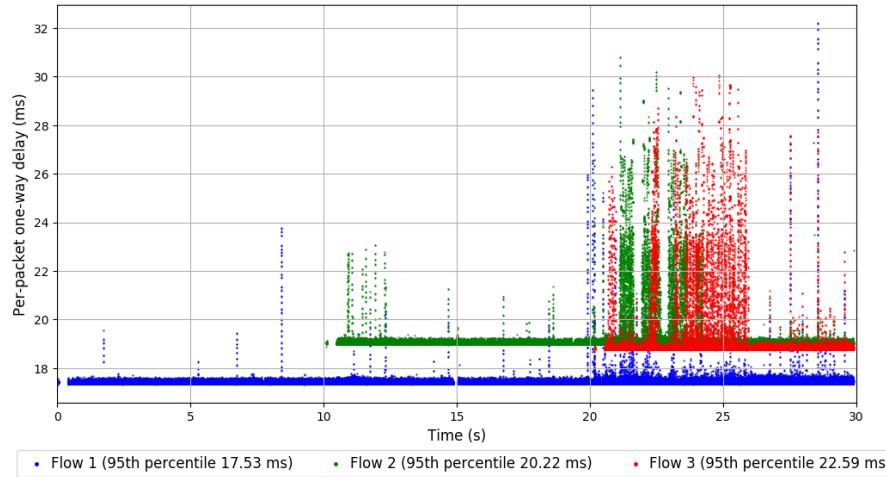
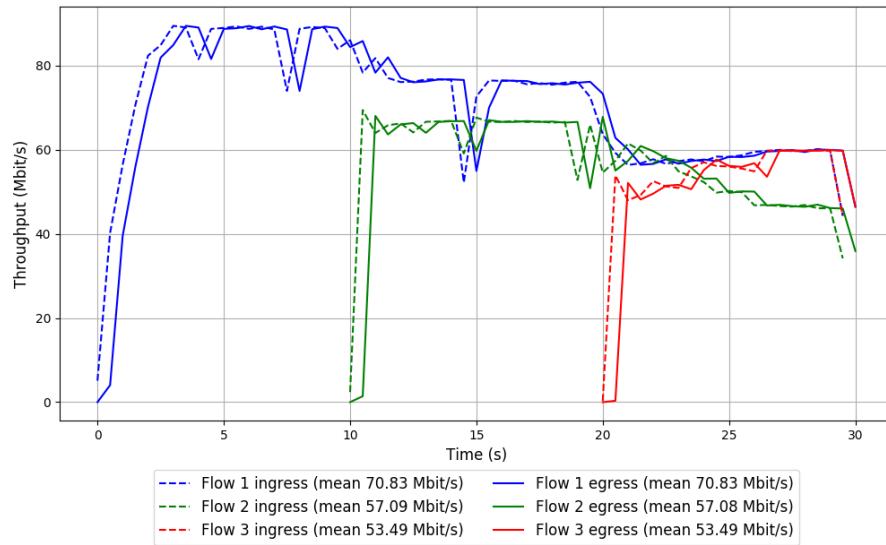


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-05 13:24:13
End at: 2018-06-05 13:24:43
Local clock offset: 0.208 ms
Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.20 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 17.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 20.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 22.586 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

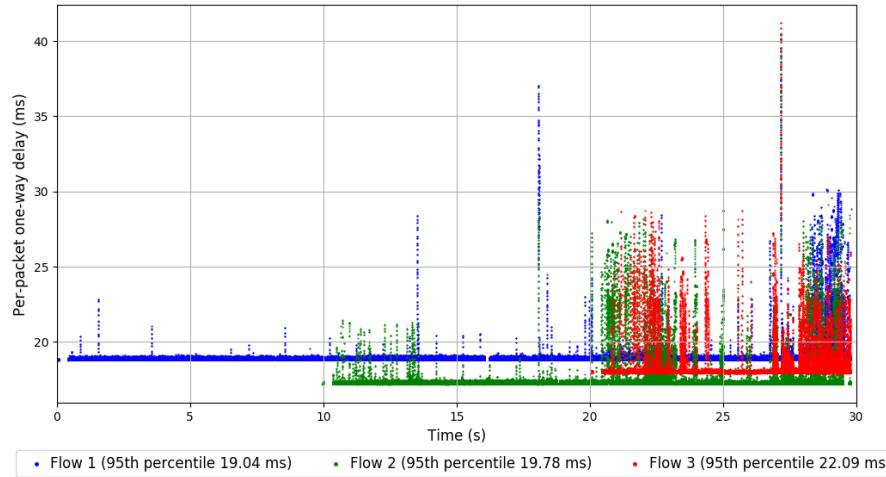
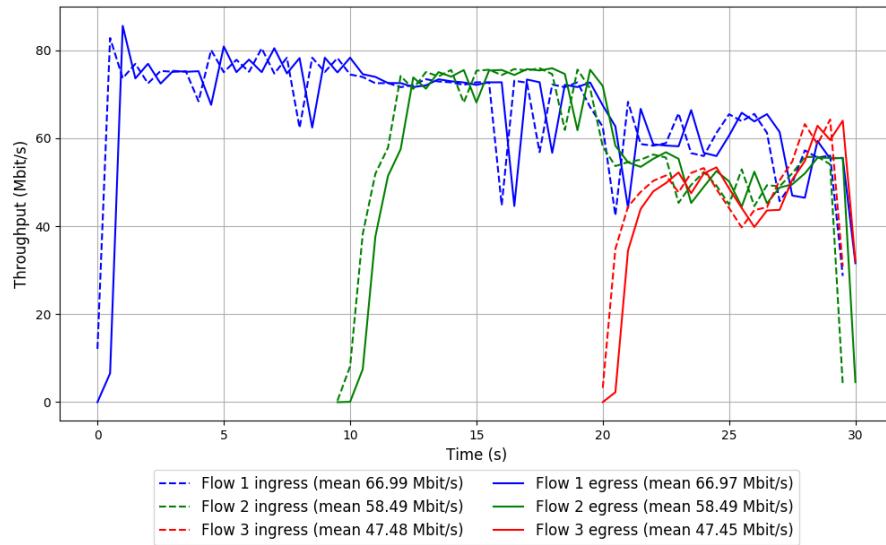


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-05 13:49:41
End at: 2018-06-05 13:50:11
Local clock offset: 0.341 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 121.51 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 19.784 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.05%
```

Run 6: Report of QUIC Cubic — Data Link

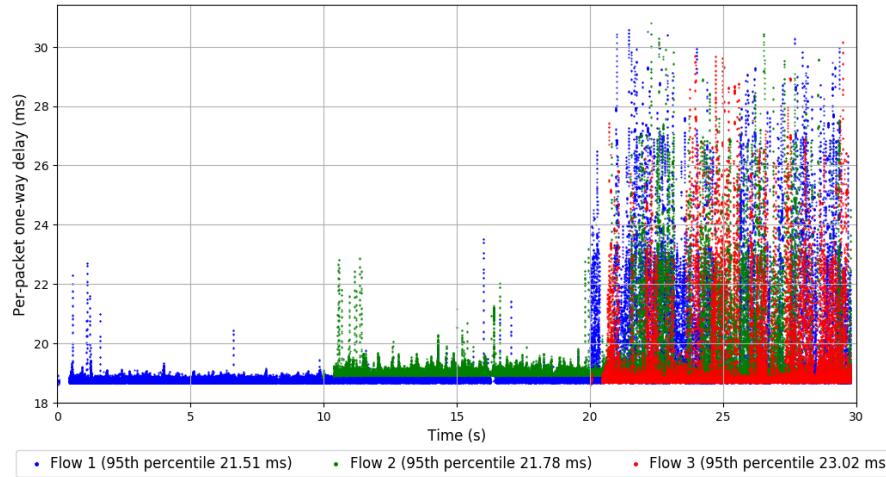
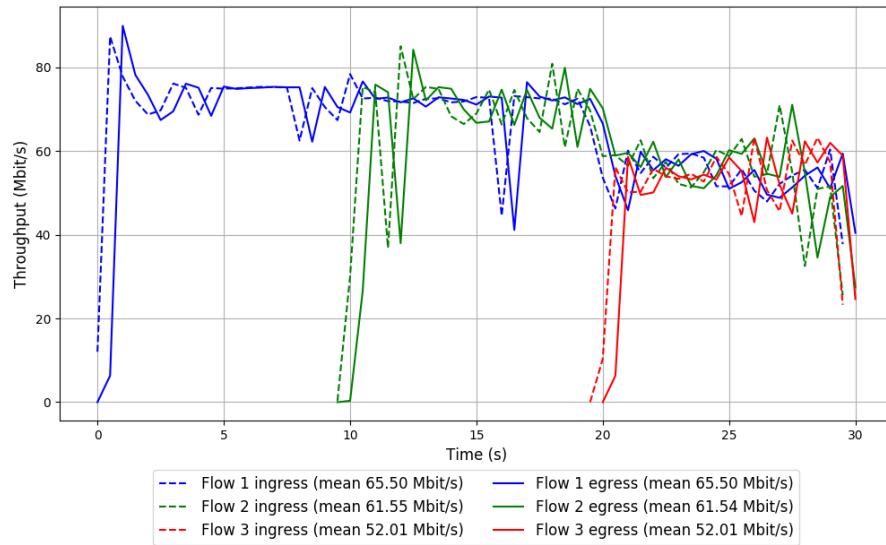


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-05 14:15:28
End at: 2018-06-05 14:15:58
Local clock offset: 0.374 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.61 Mbit/s
95th percentile per-packet one-way delay: 21.936 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 21.507 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 21.780 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 23.025 ms
Loss rate: 0.01%
```

Run 7: Report of QUIC Cubic — Data Link

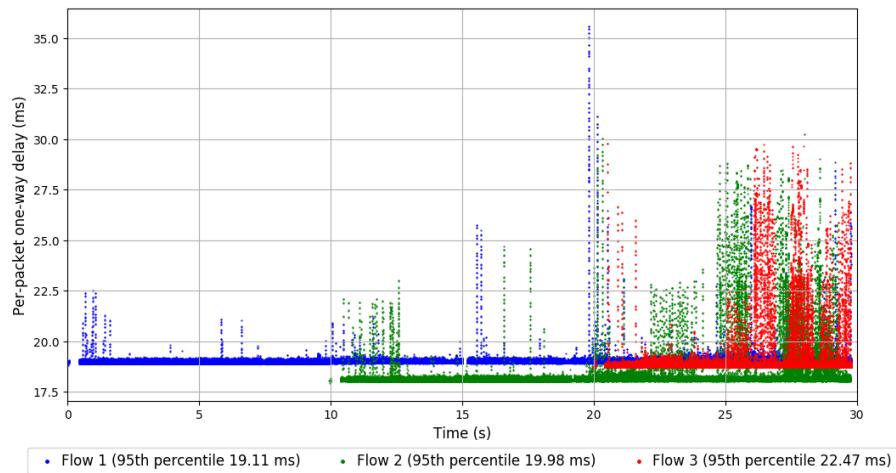
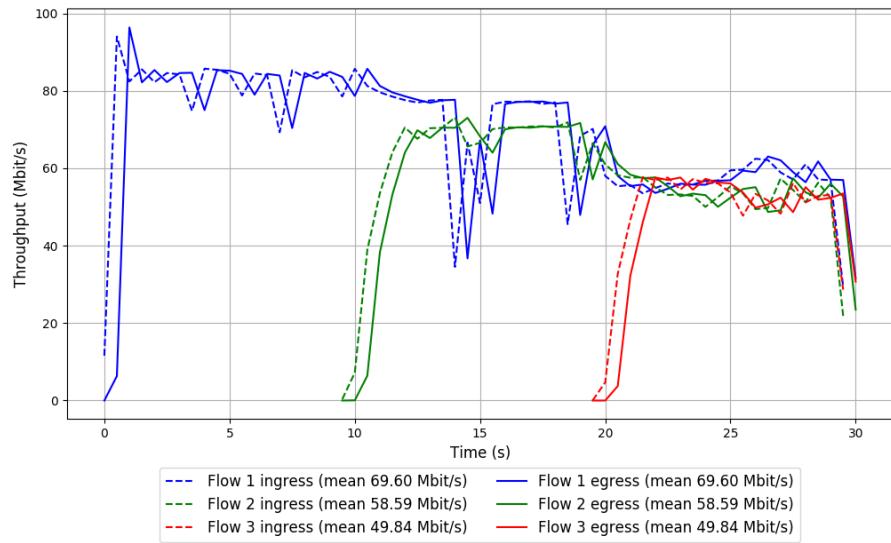


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-05 14:40:53
End at: 2018-06-05 14:41:23
Local clock offset: 0.115 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.98 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 22.474 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

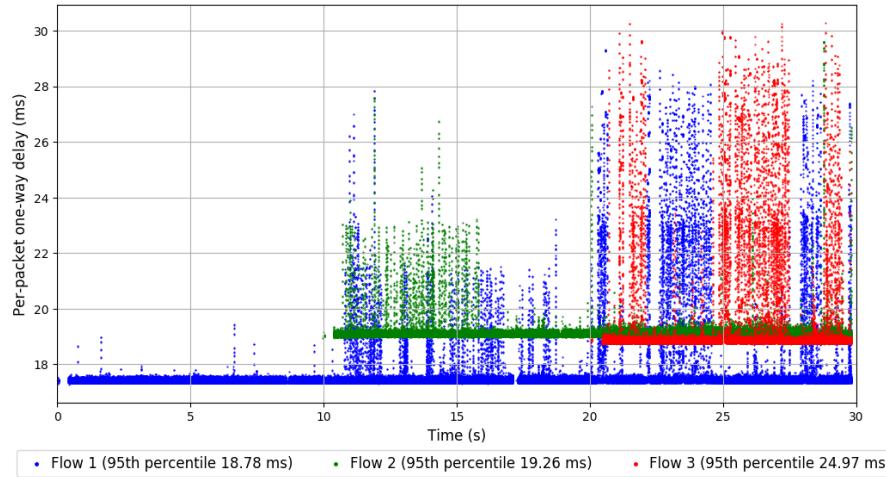
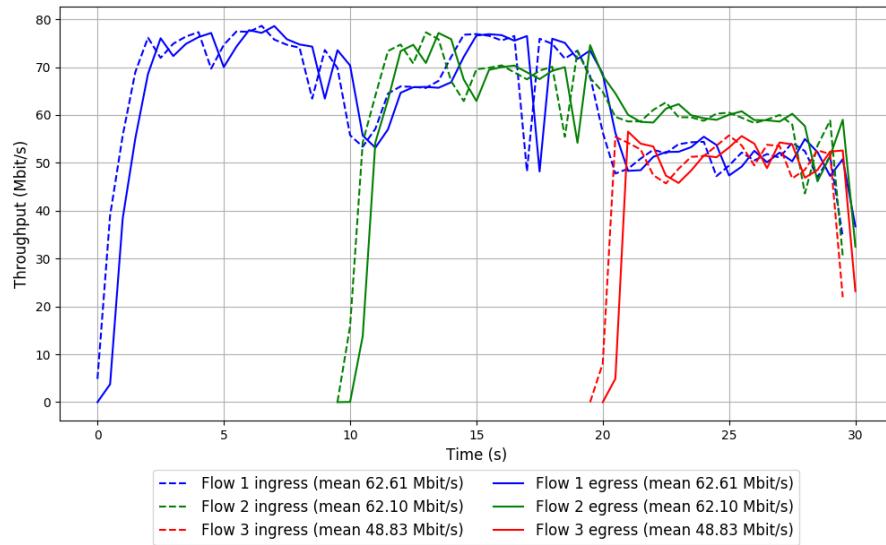


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-05 15:06:47
End at: 2018-06-05 15:07:17
Local clock offset: 0.365 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.01 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 18.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 24.971 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

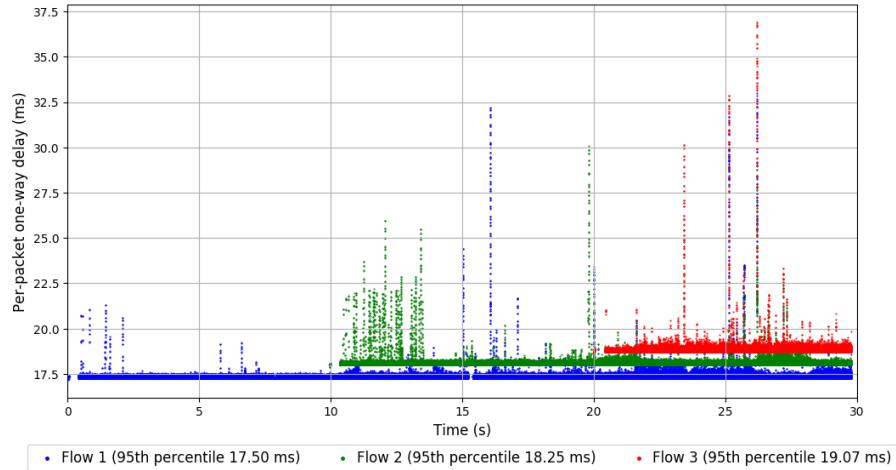
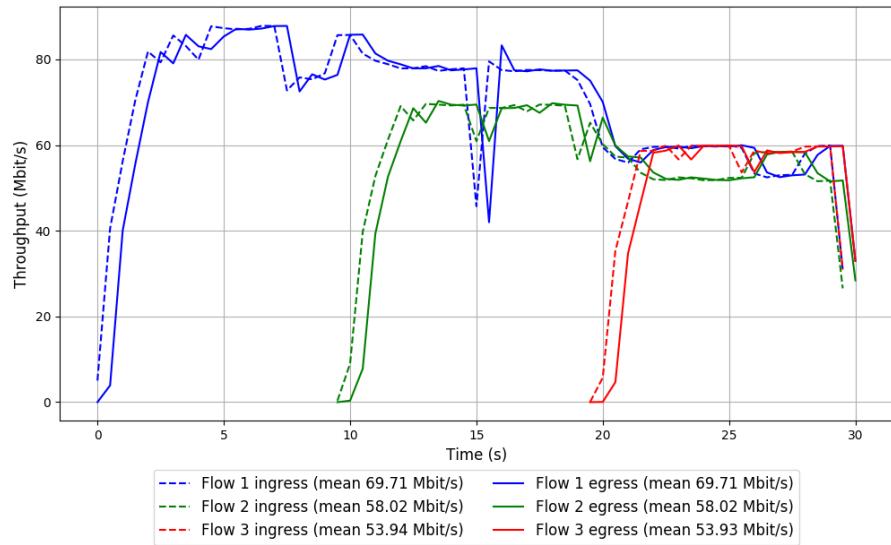


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-05 15:32:19
End at: 2018-06-05 15:32:49
Local clock offset: 0.176 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.17 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 17.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 18.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.02%
```

Run 10: Report of QUIC Cubic — Data Link

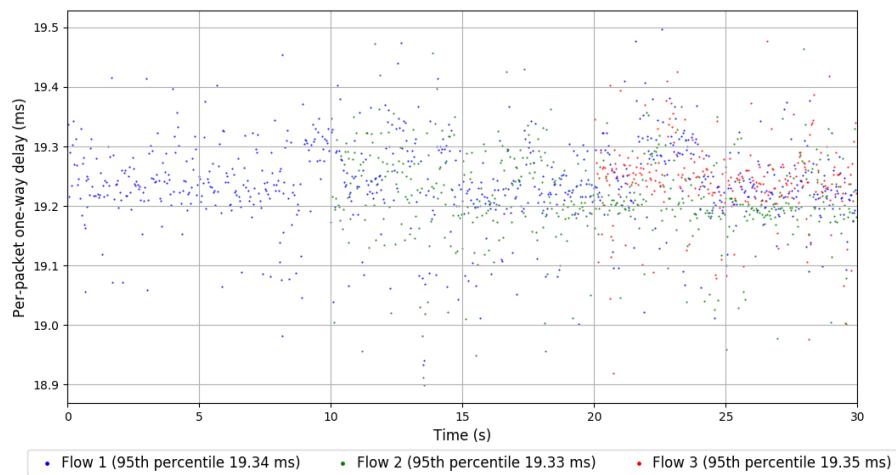
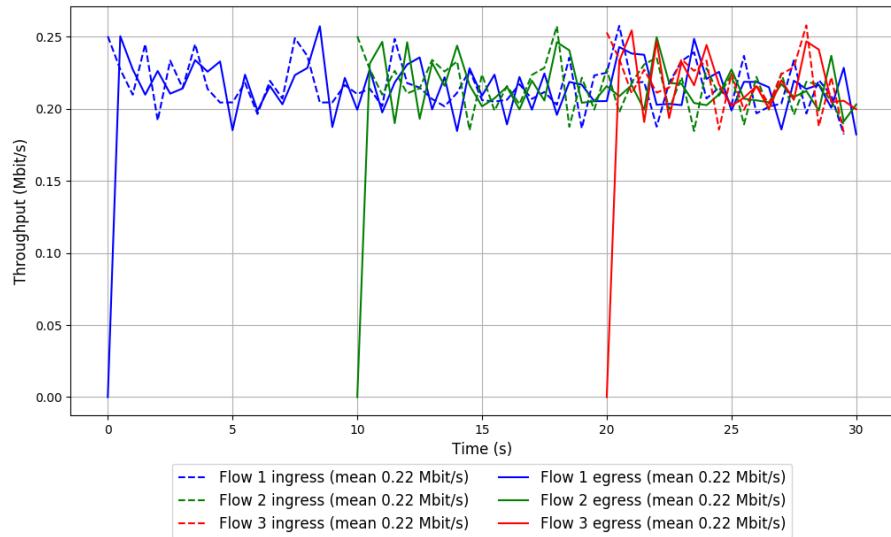


```
Run 1: Statistics of SCReAM

Start at: 2018-06-05 11:35:30
End at: 2018-06-05 11:36:00
Local clock offset: 0.158 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

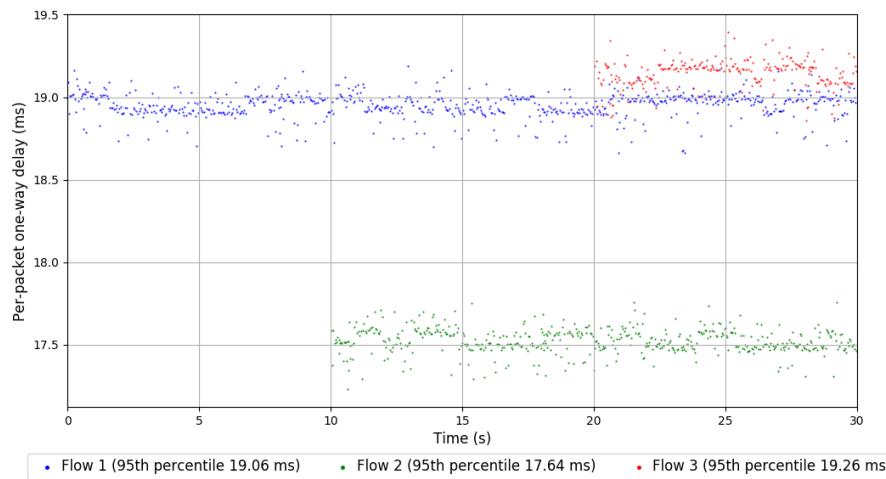
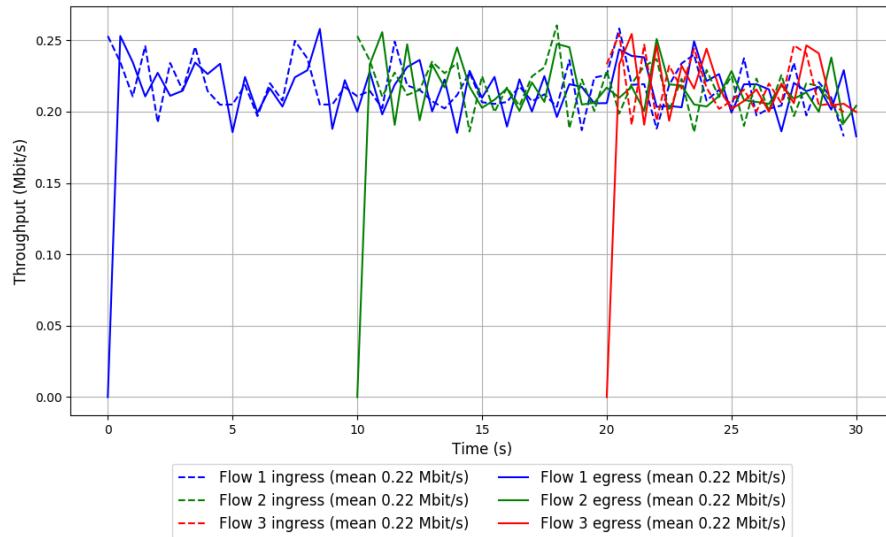


Run 2: Statistics of SCReAM

```
Start at: 2018-06-05 12:01:12
End at: 2018-06-05 12:01:42
Local clock offset: 0.258 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

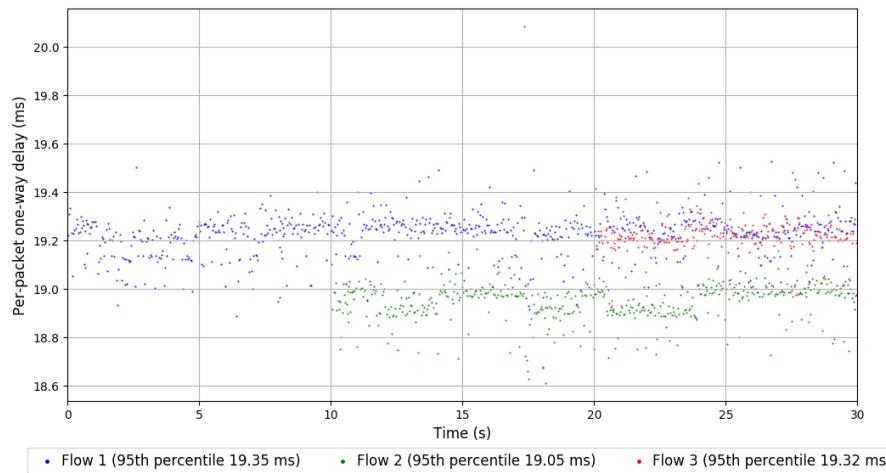
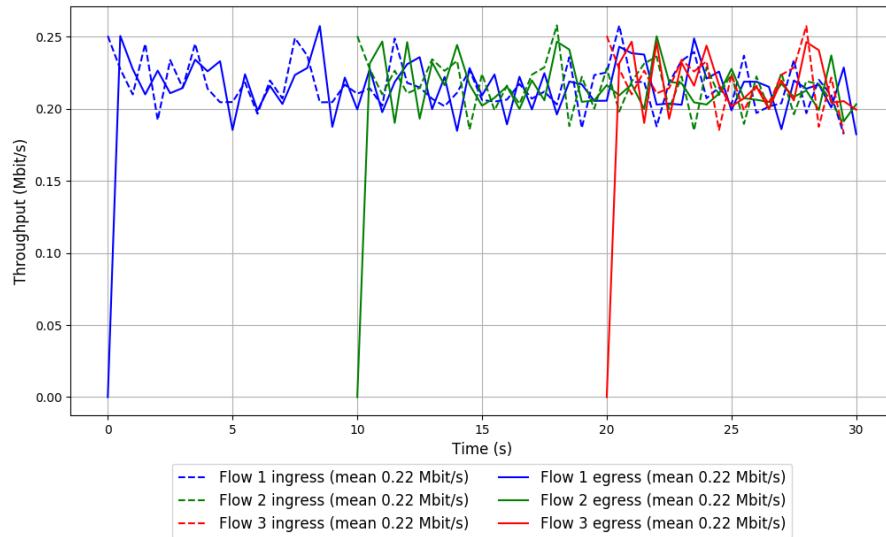


Run 3: Statistics of SCReAM

```
Start at: 2018-06-05 12:26:53
End at: 2018-06-05 12:27:23
Local clock offset: 0.292 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

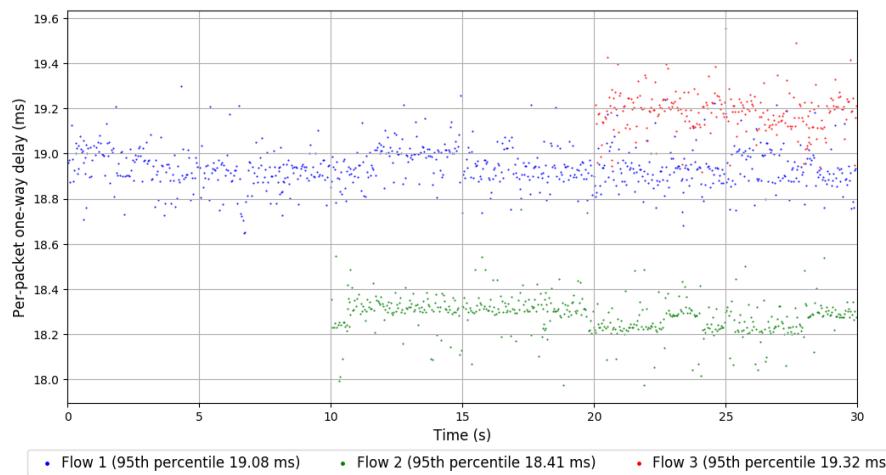
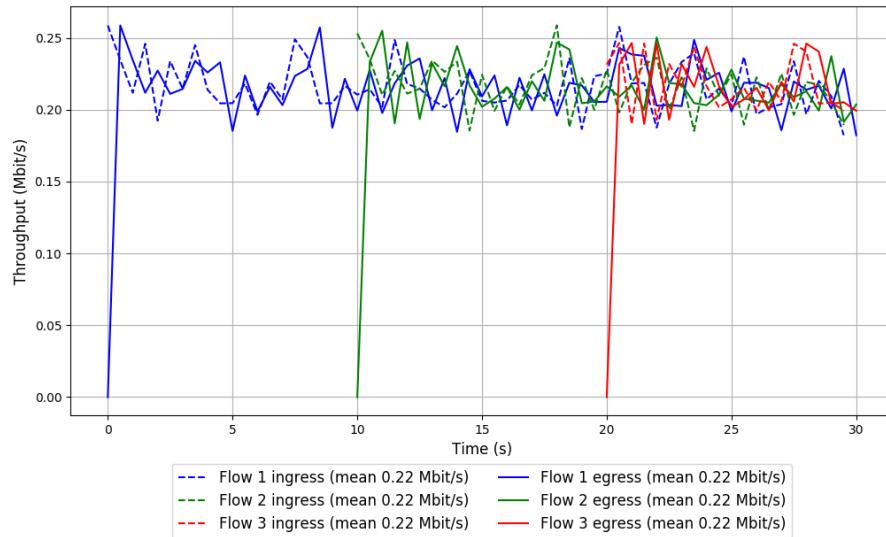


Run 4: Statistics of SCReAM

```
Start at: 2018-06-05 12:52:17
End at: 2018-06-05 12:52:47
Local clock offset: 0.267 ms
Remote clock offset: -0.515 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

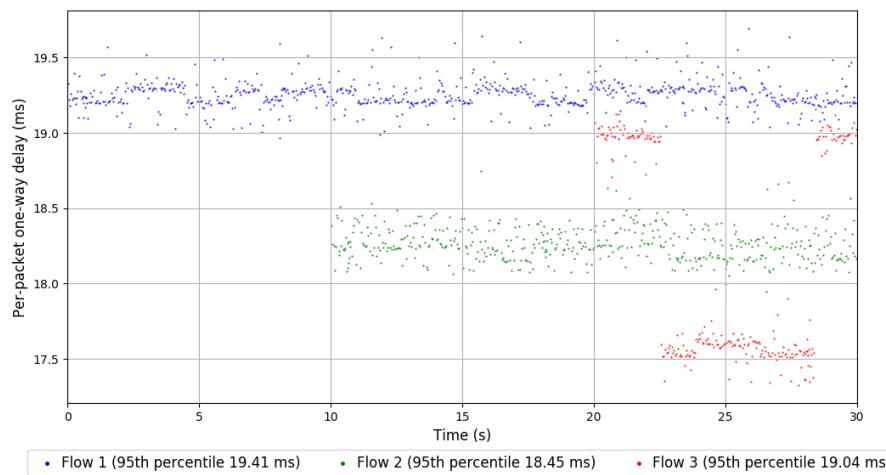
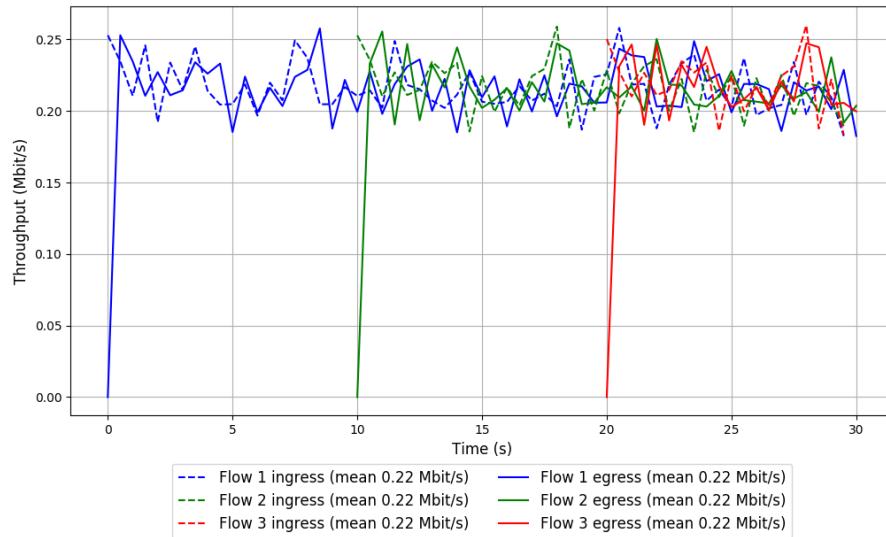


Run 5: Statistics of SCReAM

```
Start at: 2018-06-05 13:18:00
End at: 2018-06-05 13:18:30
Local clock offset: 0.283 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

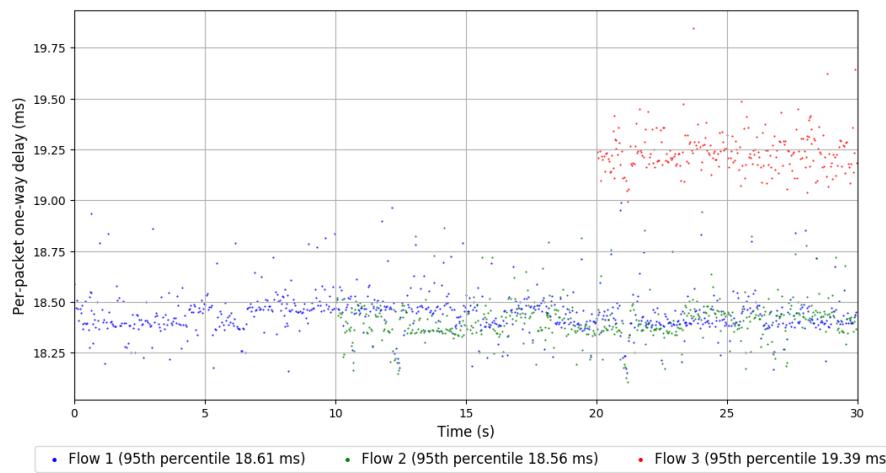
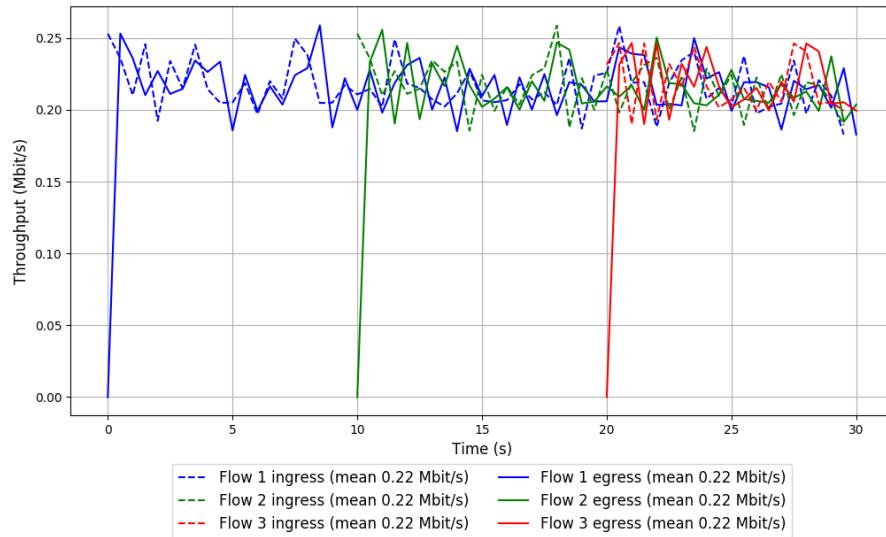


Run 6: Statistics of SCReAM

```
Start at: 2018-06-05 13:43:28
End at: 2018-06-05 13:43:58
Local clock offset: 0.228 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

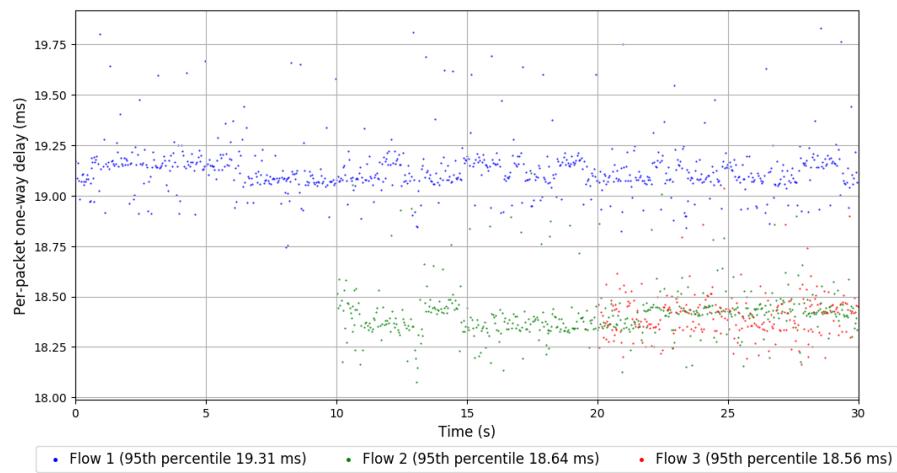
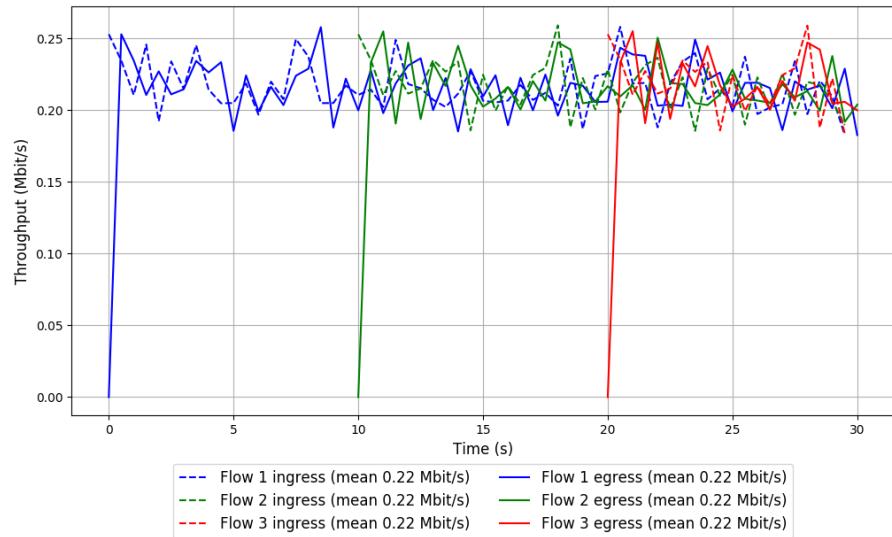


Run 7: Statistics of SCReAM

```
Start at: 2018-06-05 14:09:14
End at: 2018-06-05 14:09:44
Local clock offset: 0.363 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.556 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

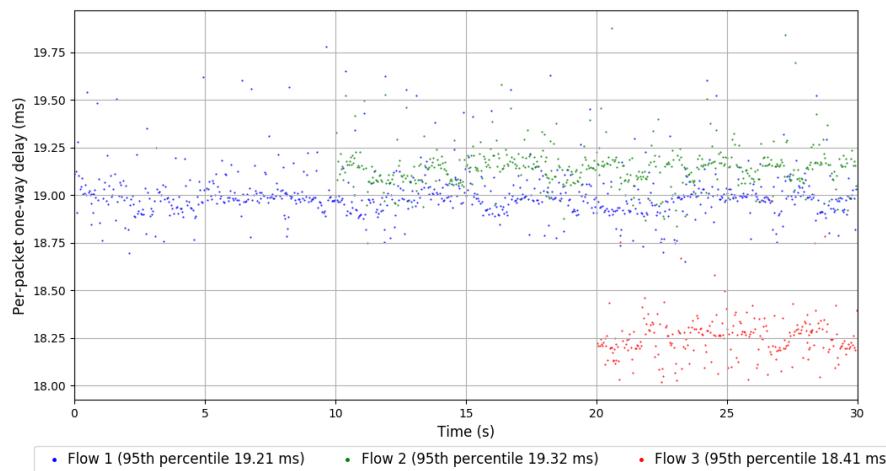
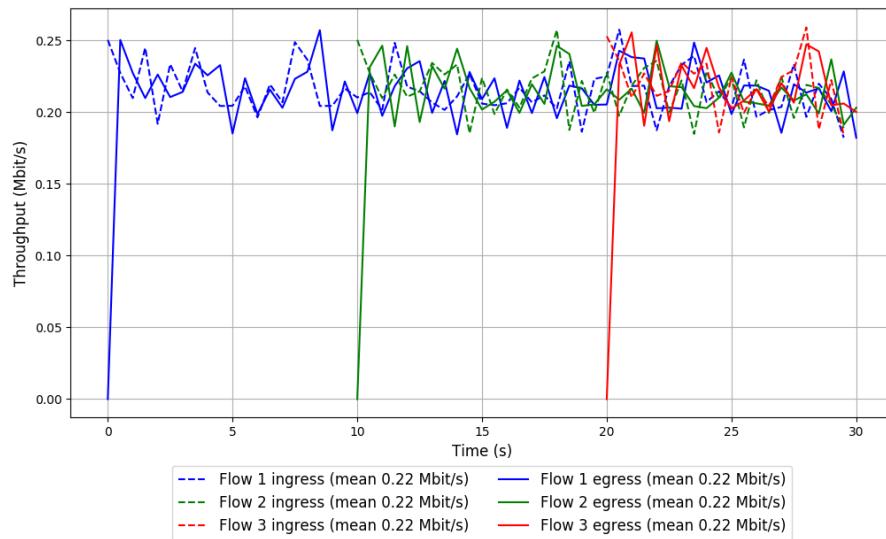


Run 8: Statistics of SCReAM

```
Start at: 2018-06-05 14:34:36
End at: 2018-06-05 14:35:06
Local clock offset: 0.274 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.411 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

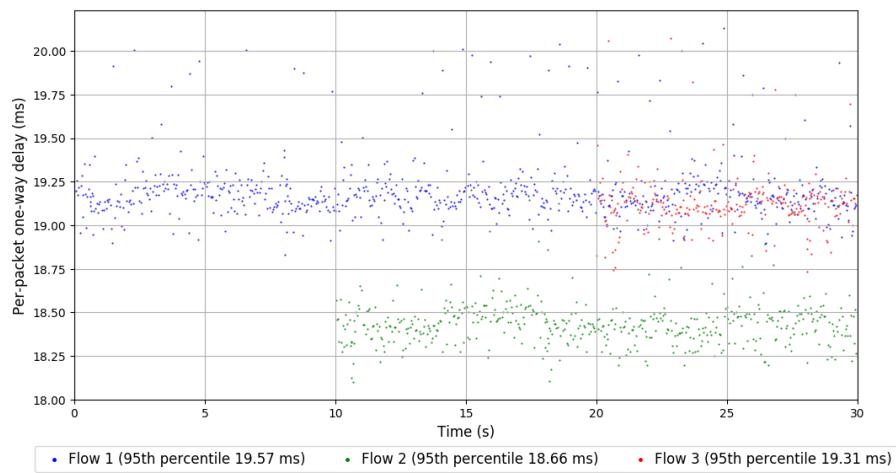
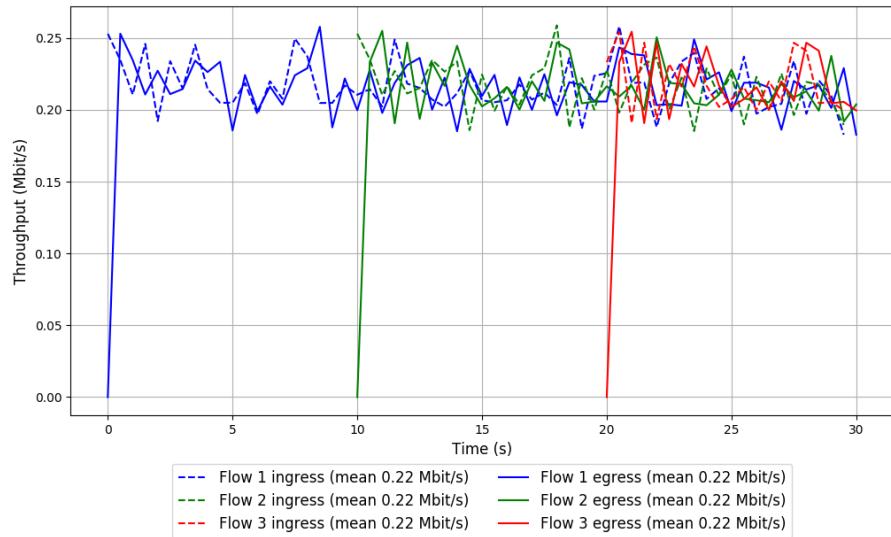


Run 9: Statistics of SCReAM

```
Start at: 2018-06-05 15:00:31
End at: 2018-06-05 15:01:01
Local clock offset: 0.321 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

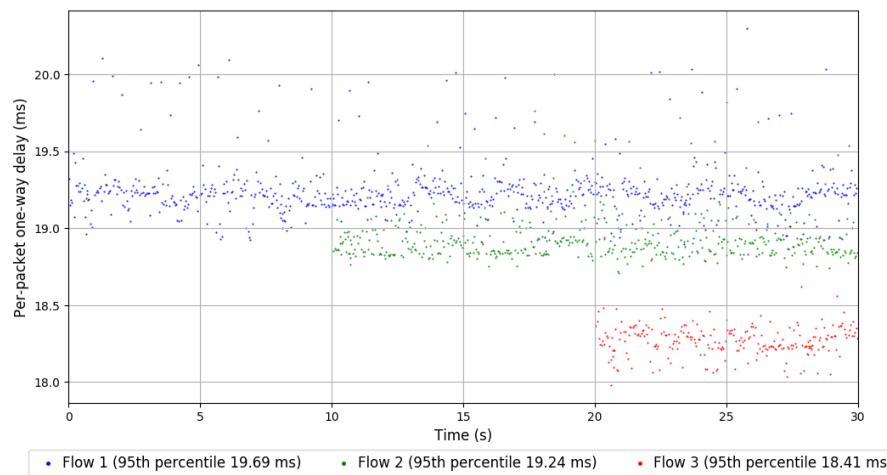
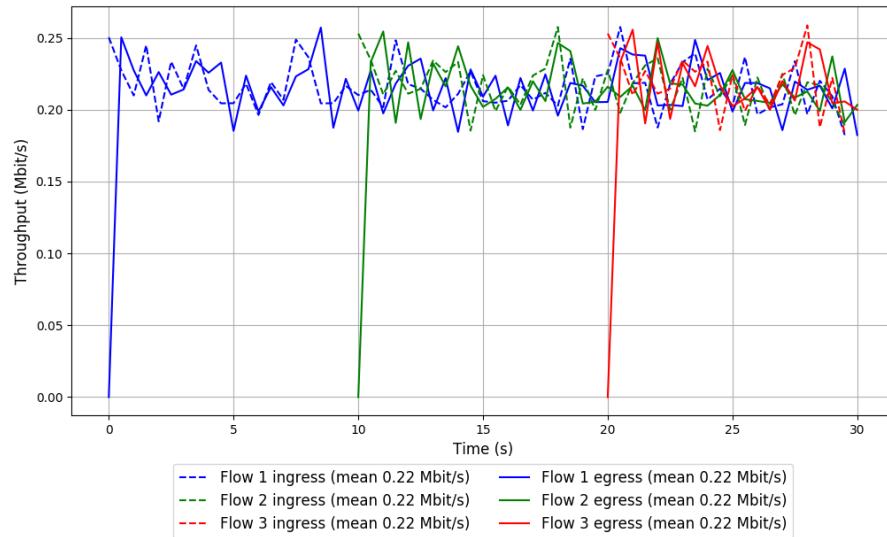


Run 10: Statistics of SCReAM

```
Start at: 2018-06-05 15:26:04
End at: 2018-06-05 15:26:34
Local clock offset: 0.34 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.414 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

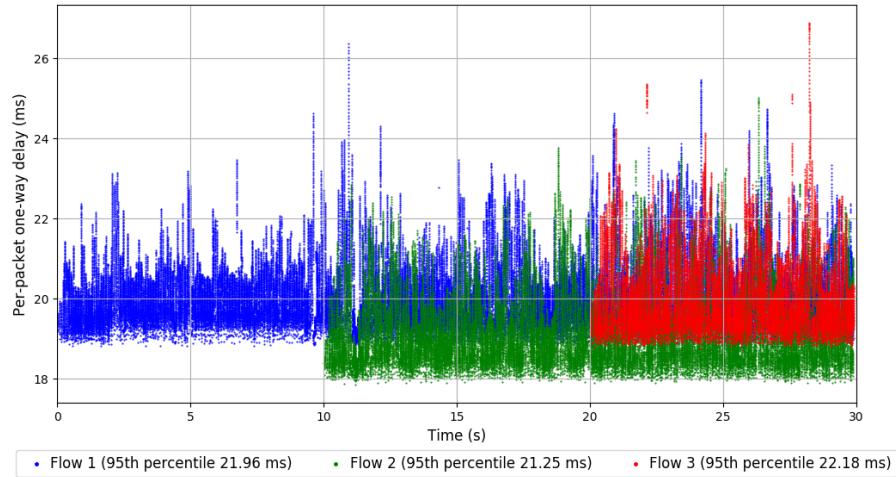
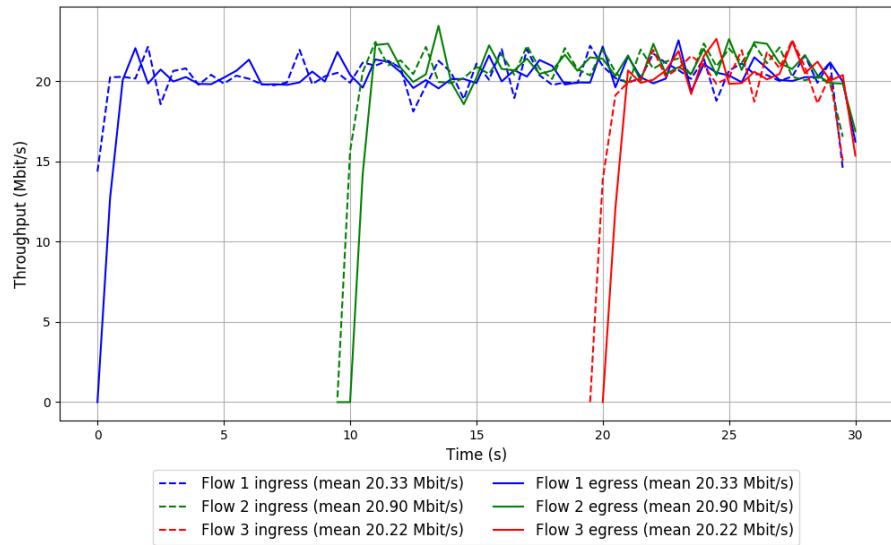


Run 1: Statistics of Sprout

```
Start at: 2018-06-05 11:29:16
End at: 2018-06-05 11:29:46
Local clock offset: 0.31 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 21.815 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 21.957 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 21.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 22.183 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

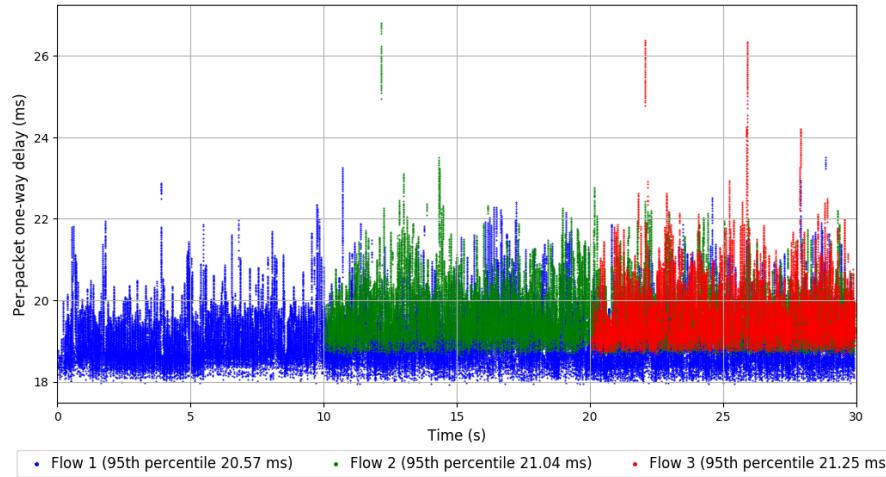
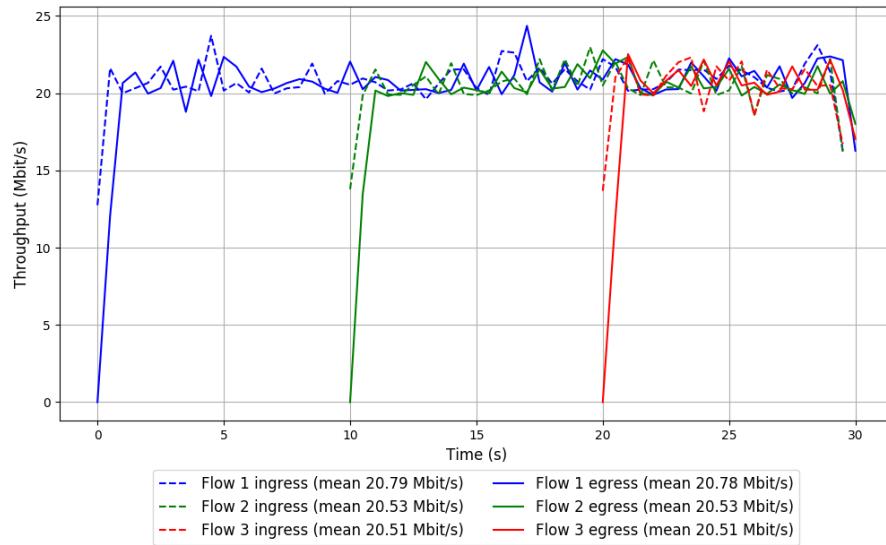


Run 2: Statistics of Sprout

```
Start at: 2018-06-05 11:54:47
End at: 2018-06-05 11:55:17
Local clock offset: 0.236 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 20.894 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 20.571 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 21.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 21.251 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

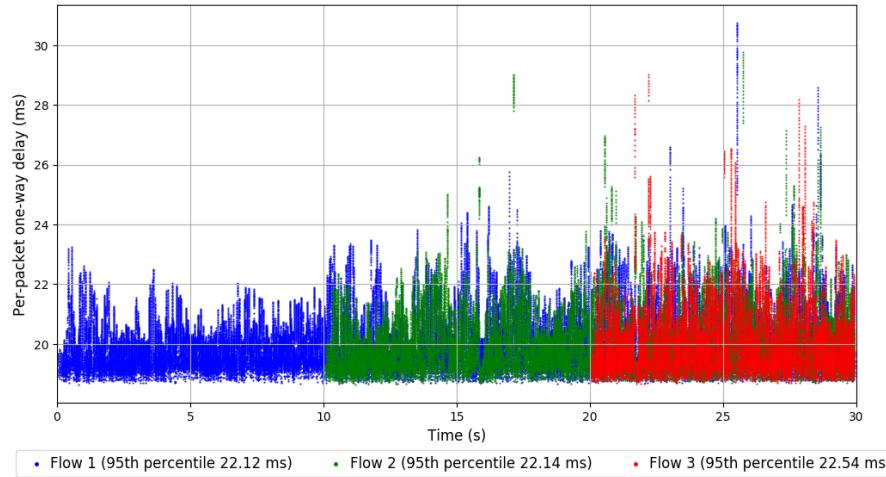
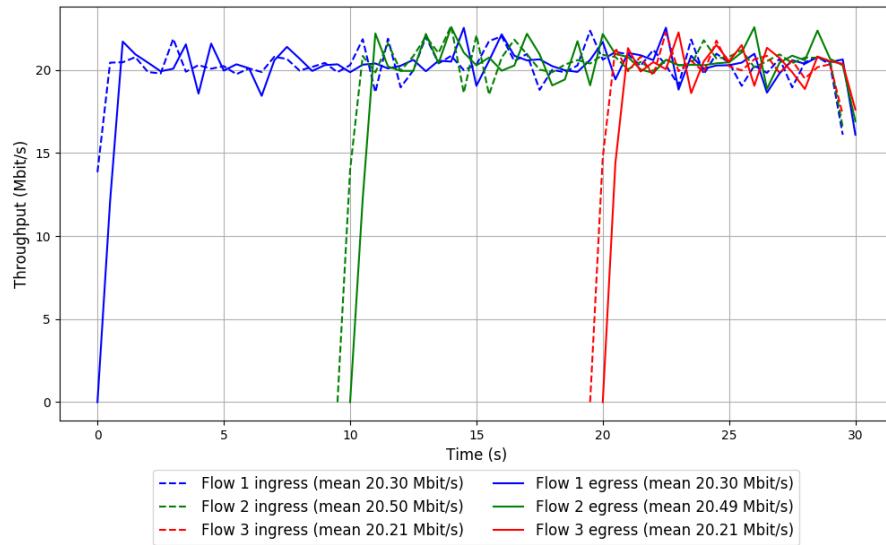


Run 3: Statistics of Sprout

```
Start at: 2018-06-05 12:20:38
End at: 2018-06-05 12:21:08
Local clock offset: 0.318 ms
Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 22.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 22.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 22.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 22.535 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

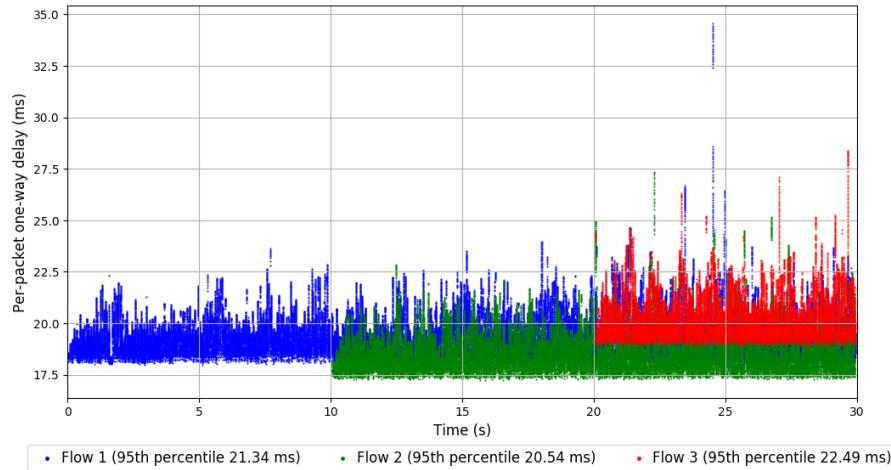
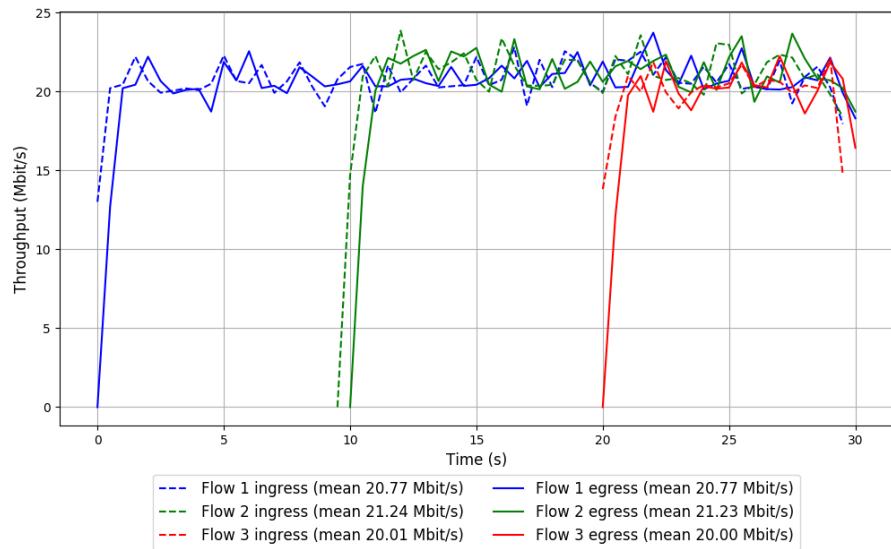


Run 4: Statistics of Sprout

```
Start at: 2018-06-05 12:46:03
End at: 2018-06-05 12:46:33
Local clock offset: 0.294 ms
Remote clock offset: -0.462 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 21.503 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 21.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 20.538 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 22.494 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

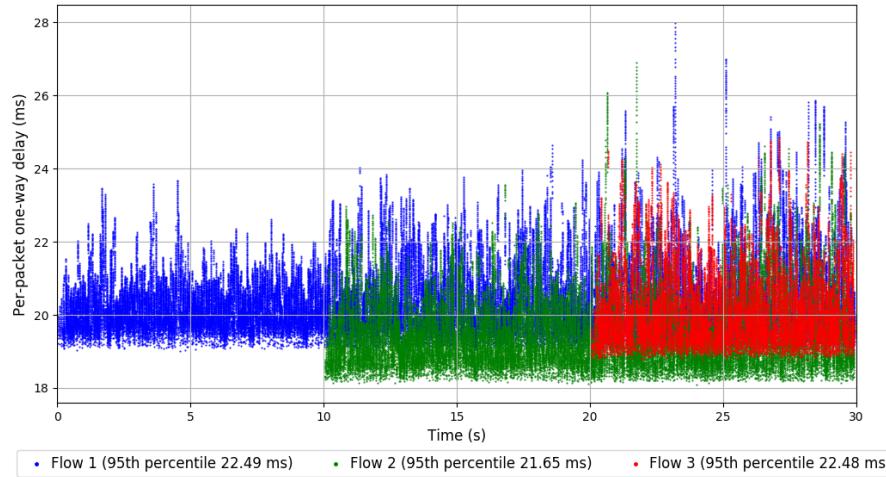
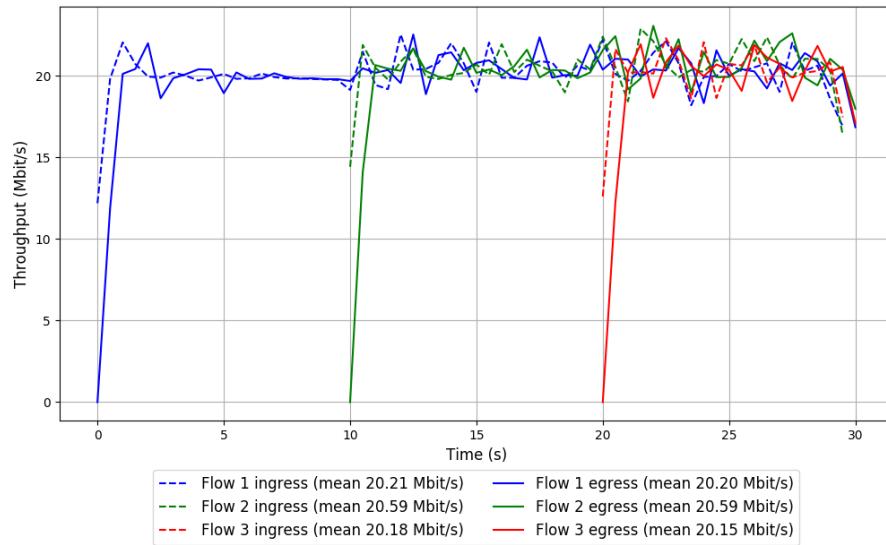


Run 5: Statistics of Sprout

```
Start at: 2018-06-05 13:11:44
End at: 2018-06-05 13:12:14
Local clock offset: 0.179 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 22.285 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 22.490 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 21.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 22.478 ms
Loss rate: 0.17%
```

Run 5: Report of Sprout — Data Link

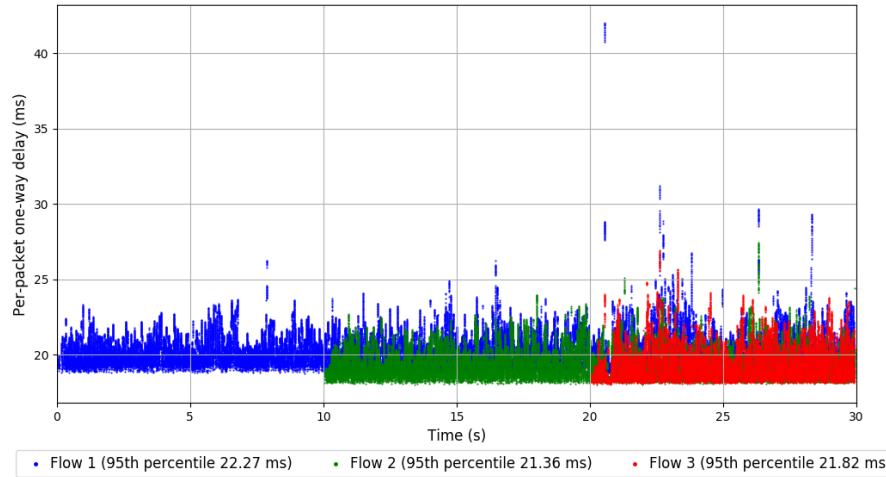
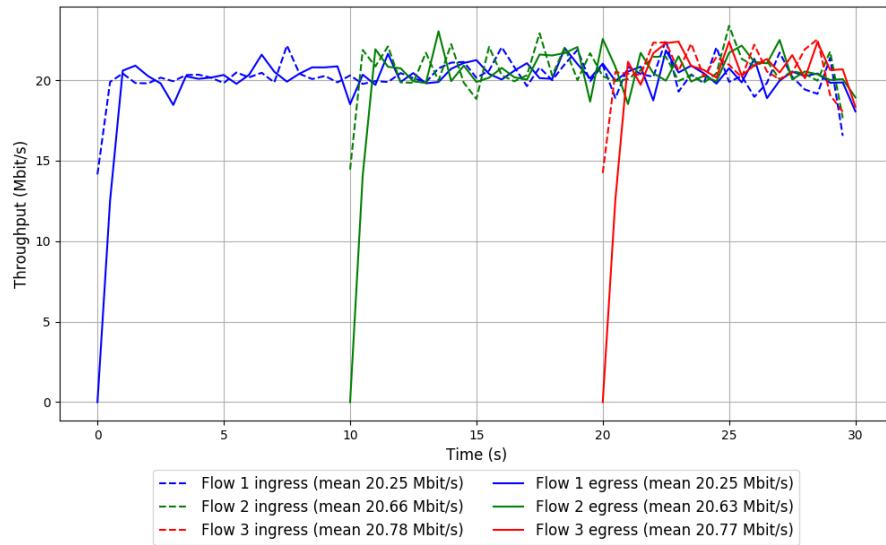


Run 6: Statistics of Sprout

```
Start at: 2018-06-05 13:37:11
End at: 2018-06-05 13:37:41
Local clock offset: 0.196 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 21.961 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 22.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 21.362 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 21.817 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

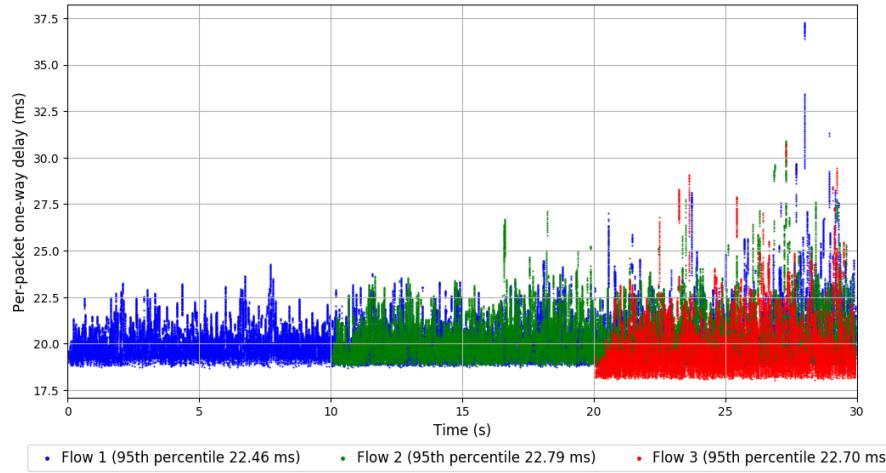
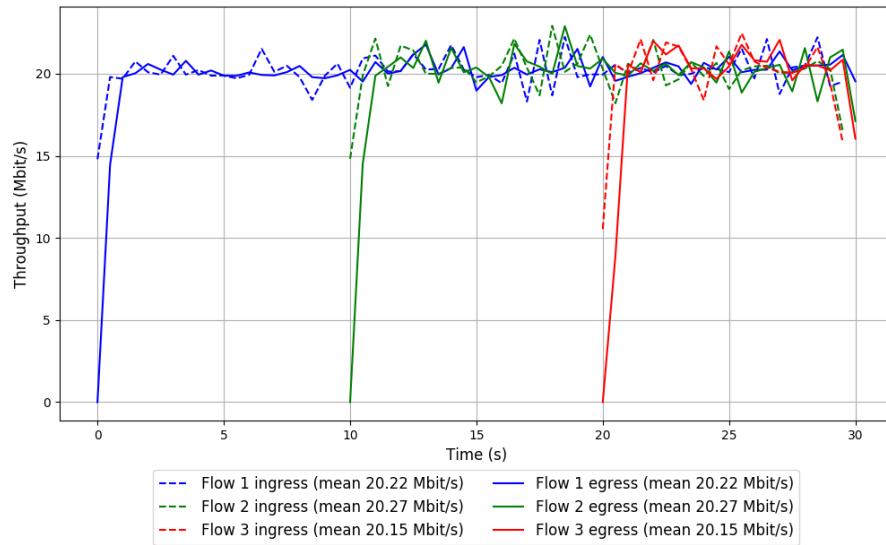


Run 7: Statistics of Sprout

```
Start at: 2018-06-05 14:02:58
End at: 2018-06-05 14:03:28
Local clock offset: 0.338 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 22.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 22.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 22.705 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

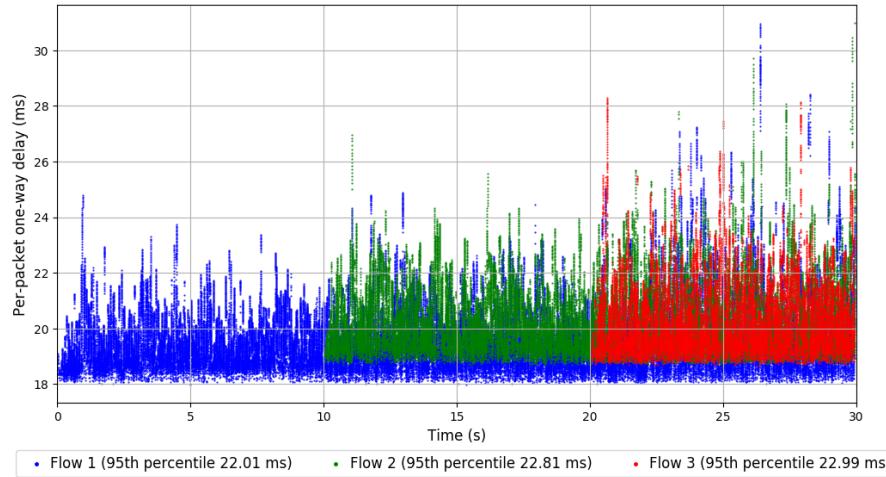
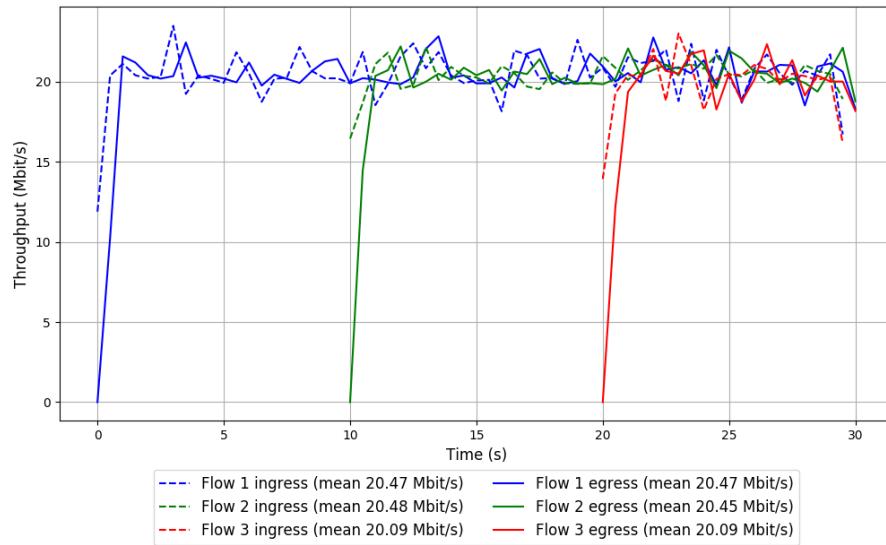


Run 8: Statistics of Sprout

```
Start at: 2018-06-05 14:28:22
End at: 2018-06-05 14:28:52
Local clock offset: 0.328 ms
Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 22.544 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 22.012 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 22.808 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 22.993 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

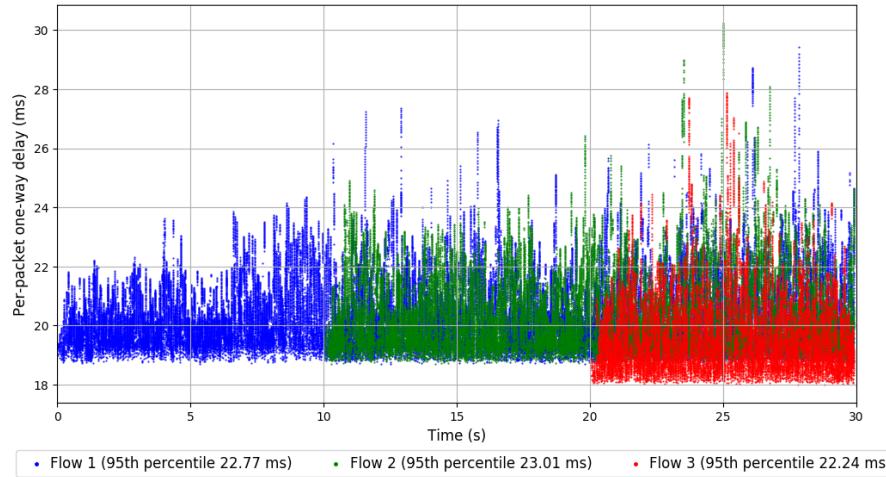
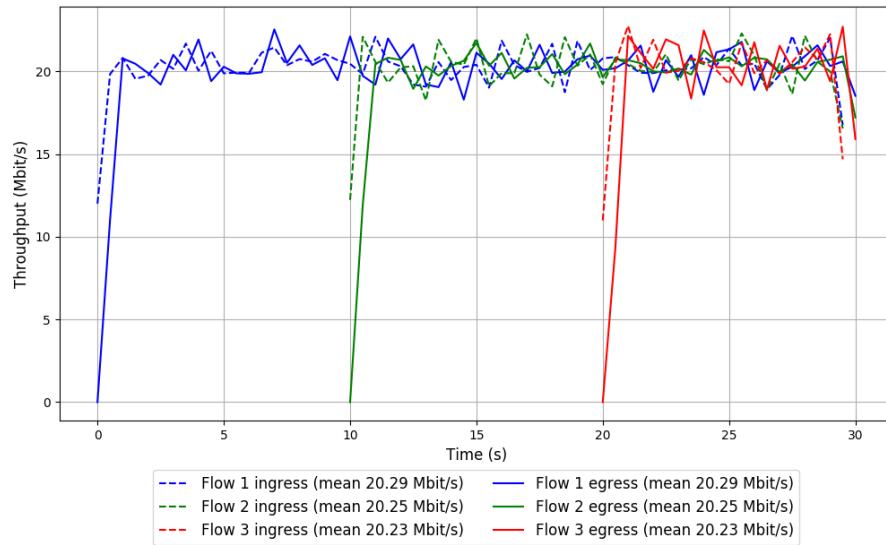


Run 9: Statistics of Sprout

```
Start at: 2018-06-05 14:54:13
End at: 2018-06-05 14:54:43
Local clock offset: 0.309 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 22.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 22.768 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 23.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 22.236 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

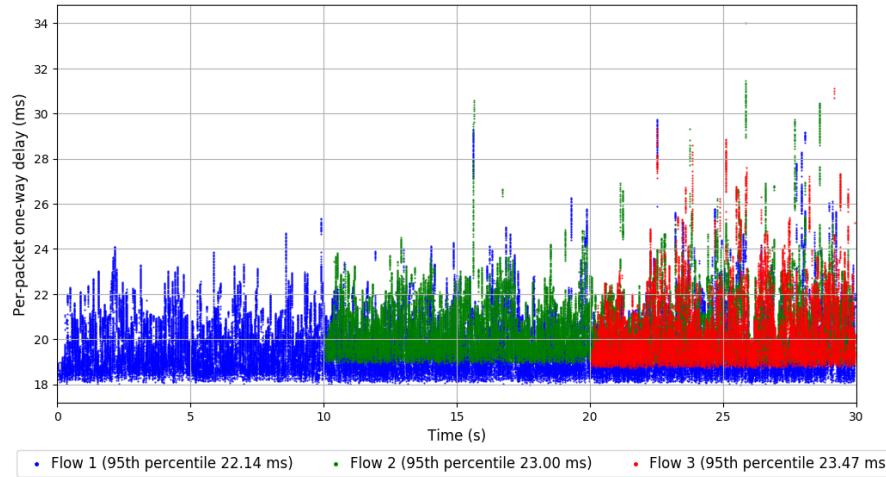
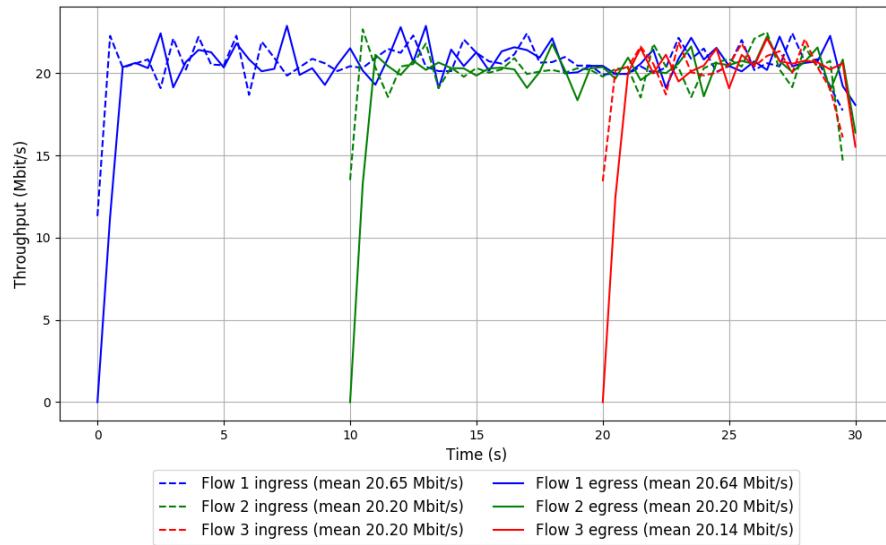


Run 10: Statistics of Sprout

```
Start at: 2018-06-05 15:19:50
End at: 2018-06-05 15:20:20
Local clock offset: 0.456 ms
Remote clock offset: 0.196 ms

# Below is generated by plot.py at 2018-06-05 17:31:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 22.704 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 22.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 23.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 23.467 ms
Loss rate: 0.22%
```

Run 10: Report of Sprout — Data Link

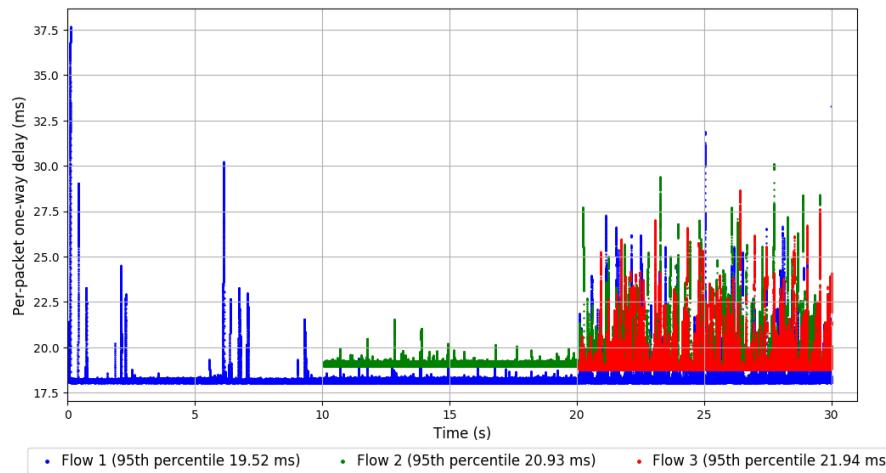
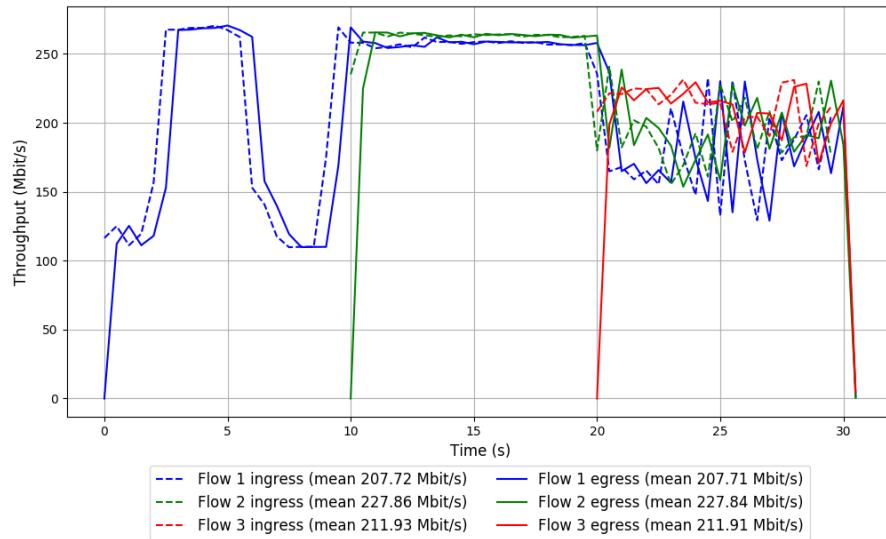


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-05 11:42:58
End at: 2018-06-05 11:43:28
Local clock offset: 0.122 ms
Remote clock offset: 0.415 ms

# Below is generated by plot.py at 2018-06-05 17:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.93 Mbit/s
95th percentile per-packet one-way delay: 20.727 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 20.933 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 211.91 Mbit/s
95th percentile per-packet one-way delay: 21.940 ms
Loss rate: 0.01%
```

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

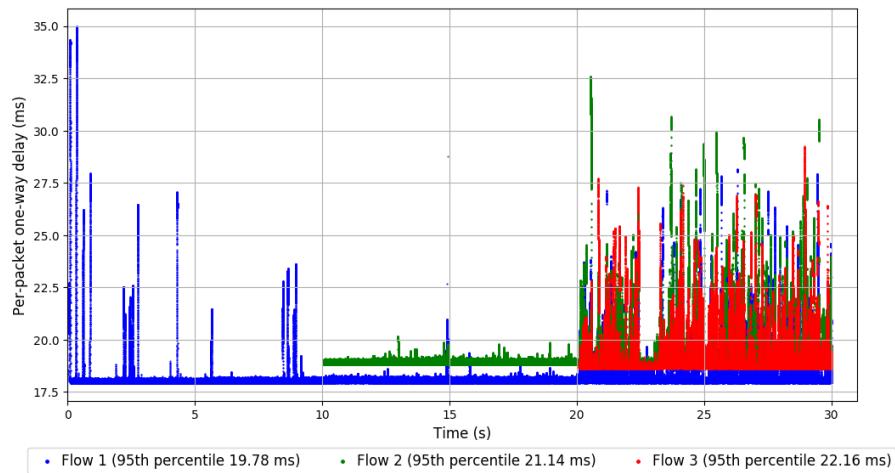
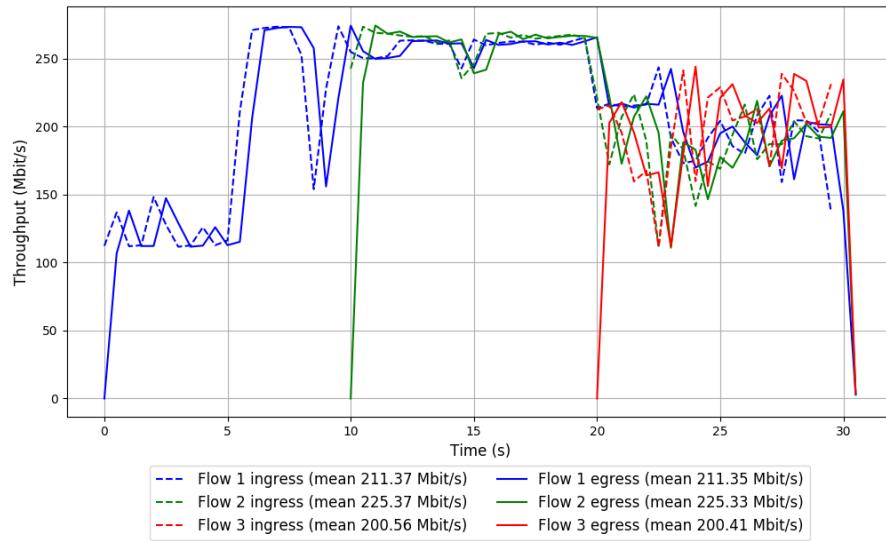


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:08:55
End at: 2018-06-05 12:09:25
Local clock offset: 0.266 ms
Remote clock offset: 0.36 ms

# Below is generated by plot.py at 2018-06-05 17:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.02 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 211.35 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 225.33 Mbit/s
95th percentile per-packet one-way delay: 21.143 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 22.165 ms
Loss rate: 0.05%
```

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

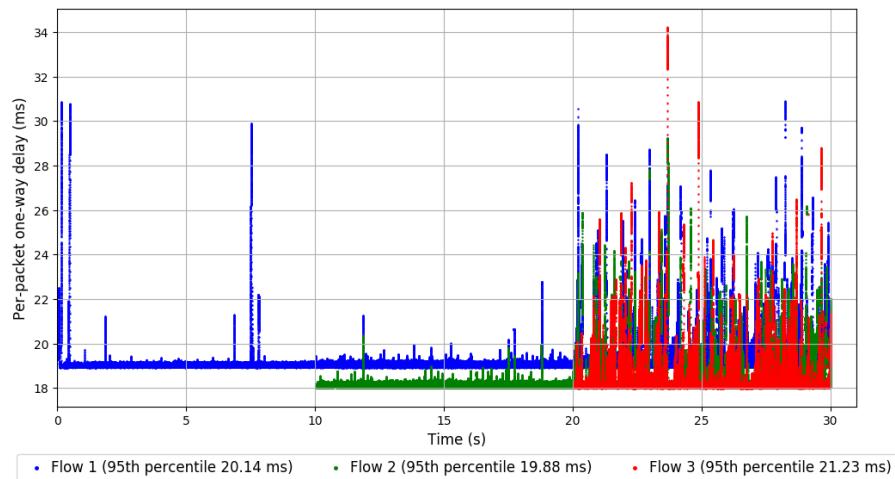
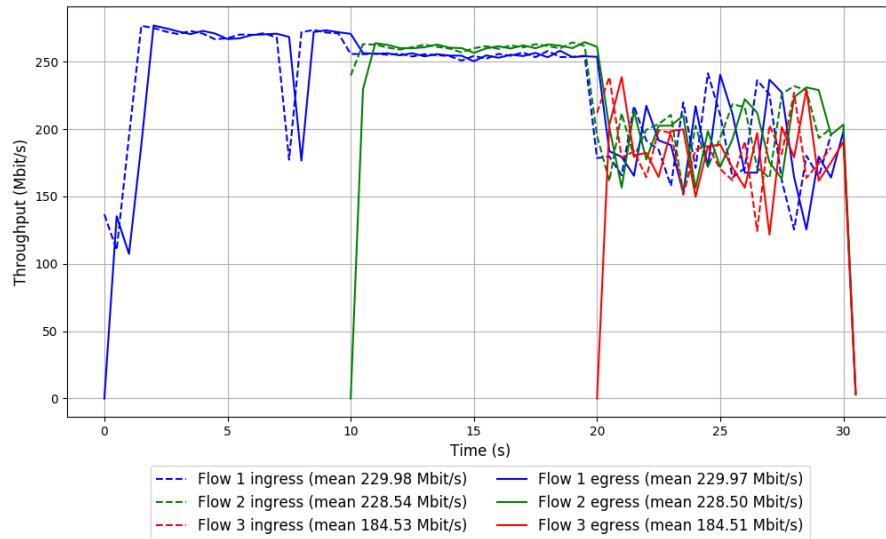


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:34:24
End at: 2018-06-05 12:34:54
Local clock offset: 0.276 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2018-06-05 17:38:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.56 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.97 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.50 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 184.51 Mbit/s
95th percentile per-packet one-way delay: 21.229 ms
Loss rate: 0.01%
```

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

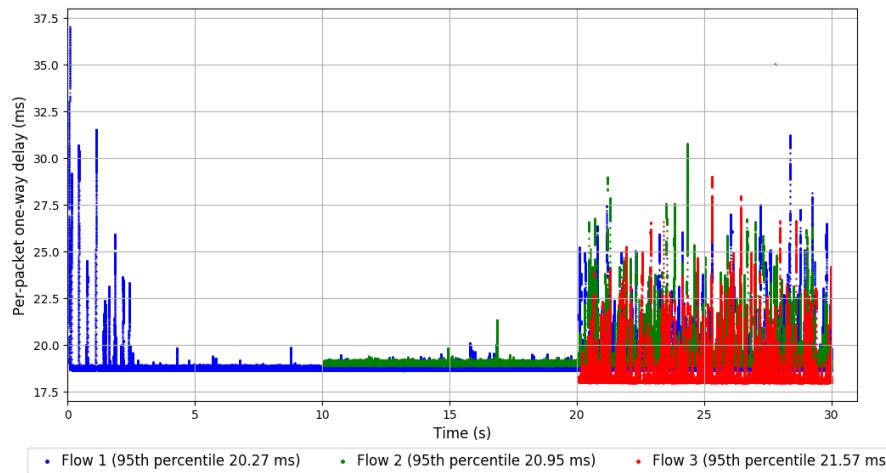
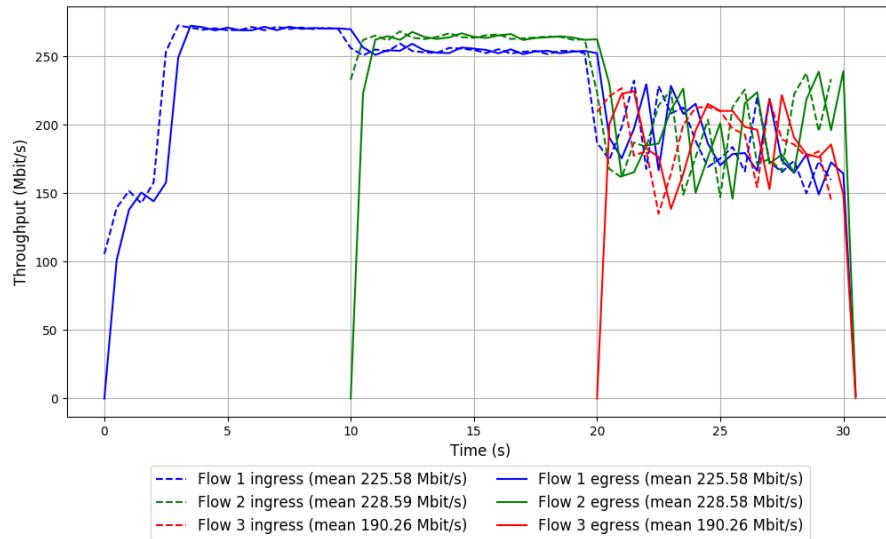


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-05 12:59:55
End at: 2018-06-05 13:00:25
Local clock offset: 0.267 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-06-05 17:38:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 441.08 Mbit/s
95th percentile per-packet one-way delay: 20.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.58 Mbit/s
95th percentile per-packet one-way delay: 20.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 20.946 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 190.26 Mbit/s
95th percentile per-packet one-way delay: 21.570 ms
Loss rate: 0.00%
```

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

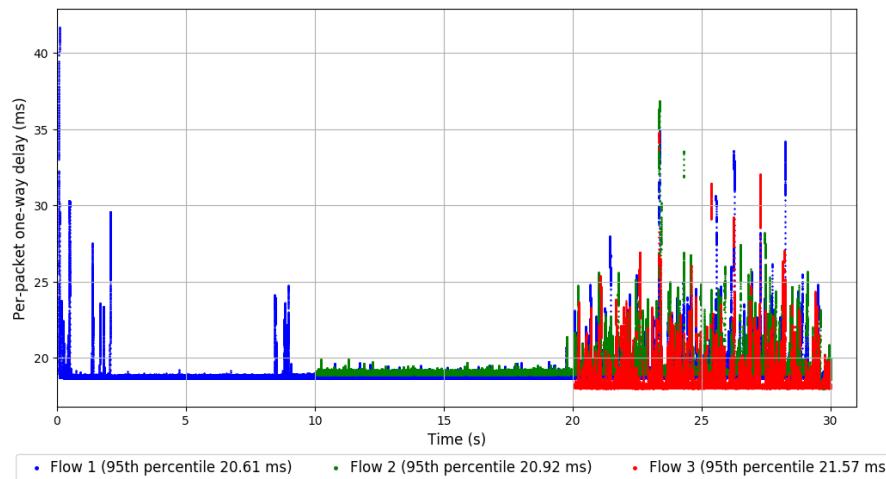
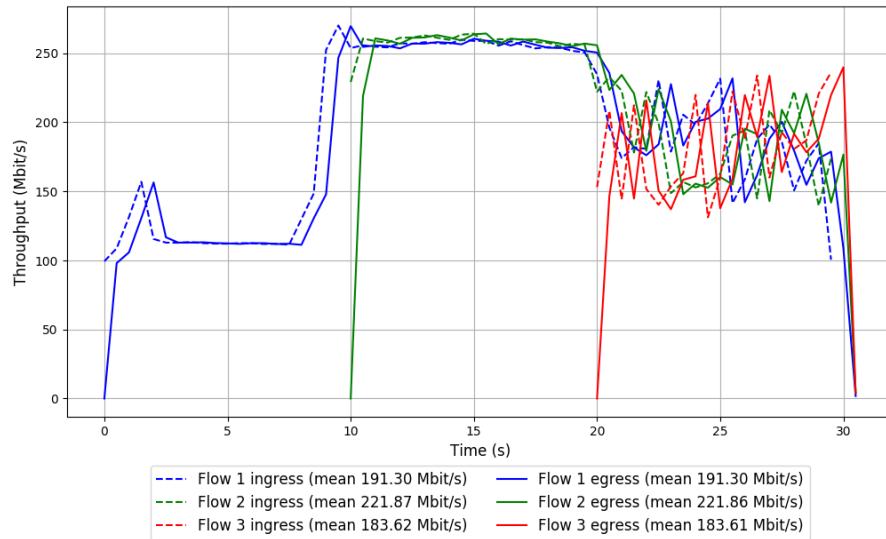


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-05 13:25:35
End at: 2018-06-05 13:26:05
Local clock offset: 0.27 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-06-05 17:38:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.12 Mbit/s
95th percentile per-packet one-way delay: 20.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 20.612 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.86 Mbit/s
95th percentile per-packet one-way delay: 20.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.61 Mbit/s
95th percentile per-packet one-way delay: 21.571 ms
Loss rate: 0.01%
```

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

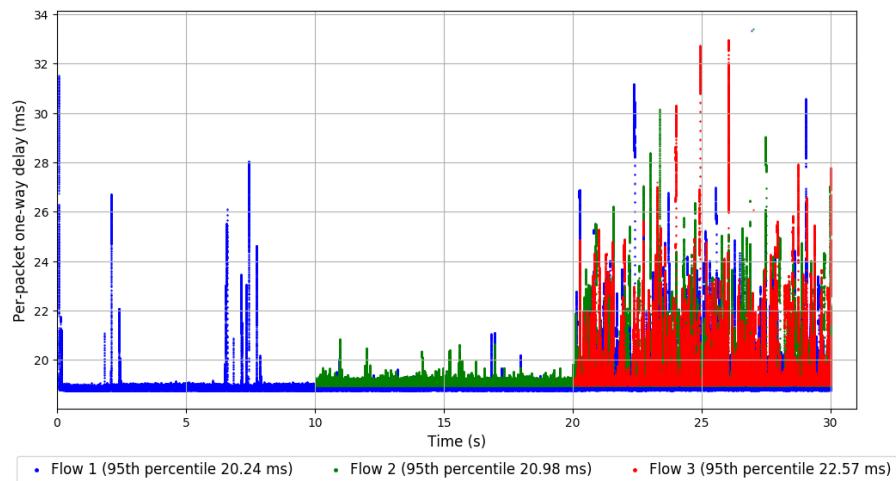
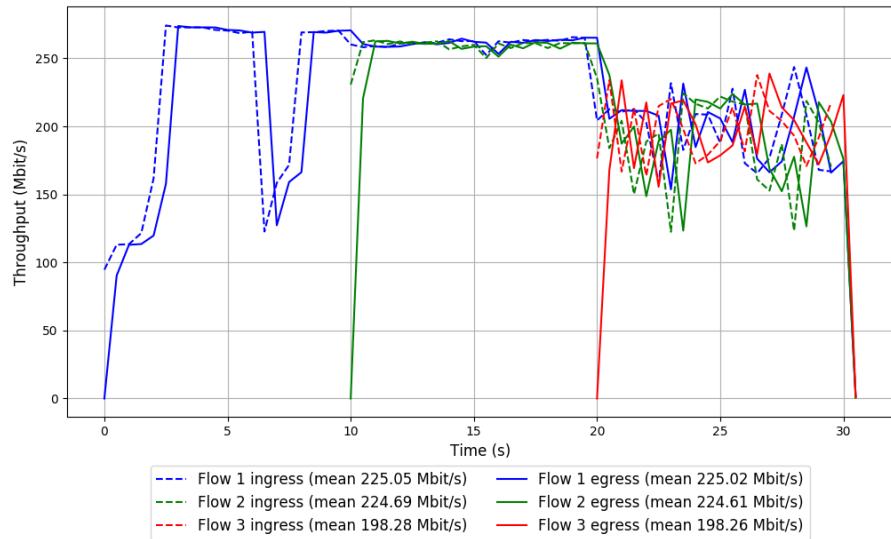


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-05 13:51:04
End at: 2018-06-05 13:51:34
Local clock offset: 0.262 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-05 17:40:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 440.51 Mbit/s
95th percentile per-packet one-way delay: 21.125 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 225.02 Mbit/s
95th percentile per-packet one-way delay: 20.242 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 224.61 Mbit/s
95th percentile per-packet one-way delay: 20.977 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 198.26 Mbit/s
95th percentile per-packet one-way delay: 22.571 ms
Loss rate: 0.01%
```

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

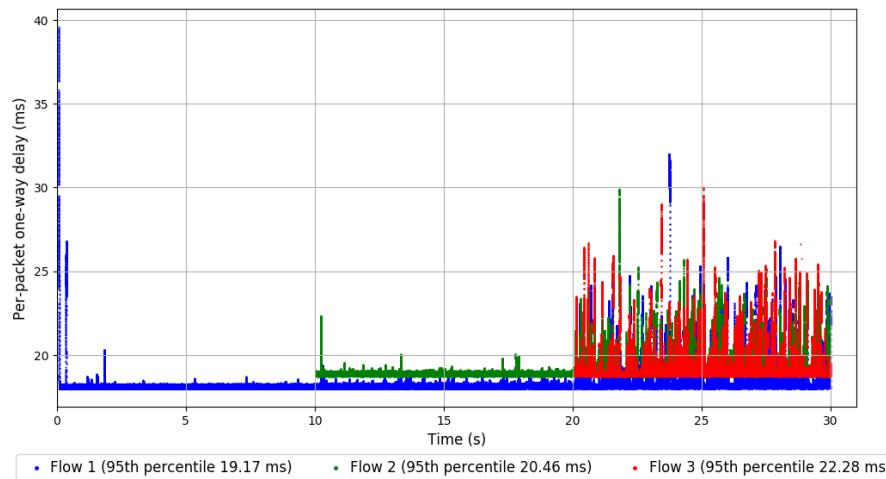
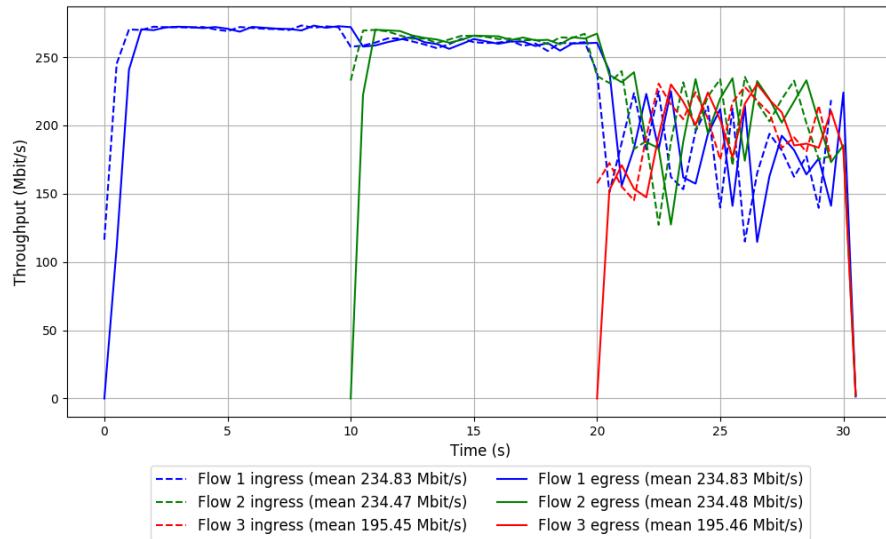


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:16:51
End at: 2018-06-05 14:17:21
Local clock offset: 0.451 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-06-05 17:41:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.94 Mbit/s
95th percentile per-packet one-way delay: 20.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.83 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 234.48 Mbit/s
95th percentile per-packet one-way delay: 20.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 195.46 Mbit/s
95th percentile per-packet one-way delay: 22.284 ms
Loss rate: 0.00%
```

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

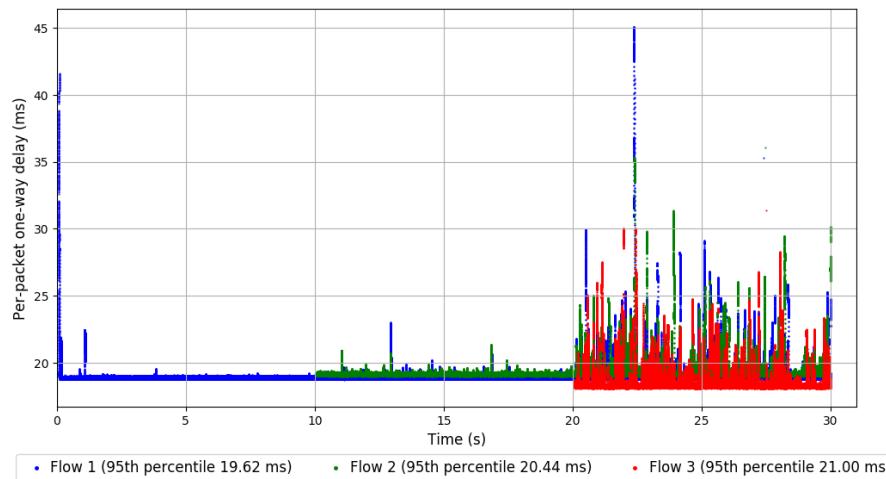
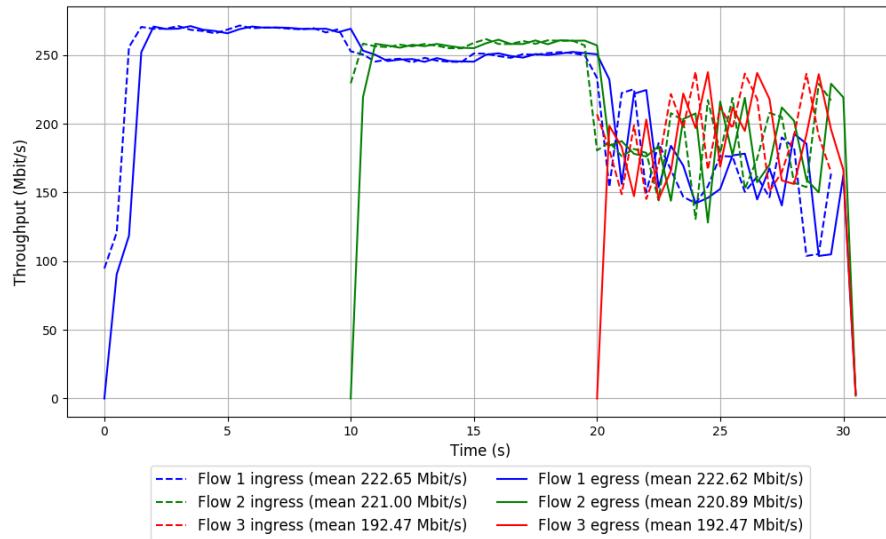


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-05 14:42:16
End at: 2018-06-05 14:42:46
Local clock offset: 0.11 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-06-05 17:41:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.73 Mbit/s
95th percentile per-packet one-way delay: 20.218 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 222.62 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 220.89 Mbit/s
95th percentile per-packet one-way delay: 20.444 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 192.47 Mbit/s
95th percentile per-packet one-way delay: 21.003 ms
Loss rate: 0.00%
```

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

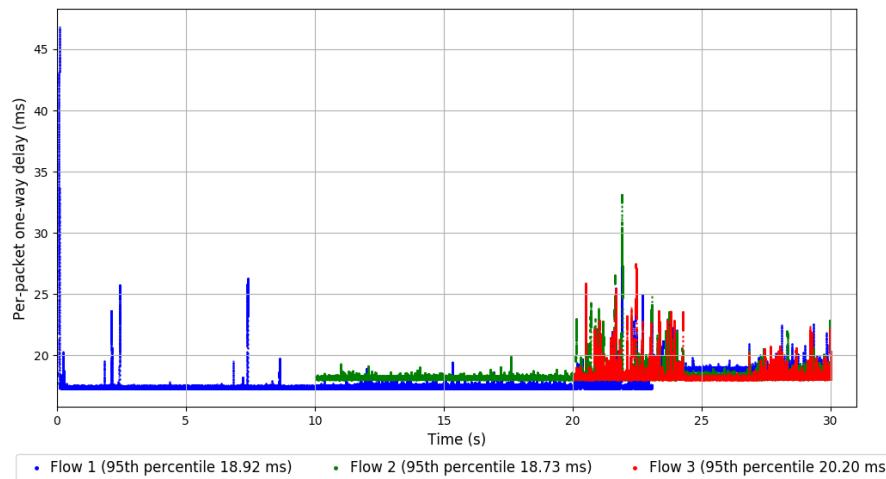
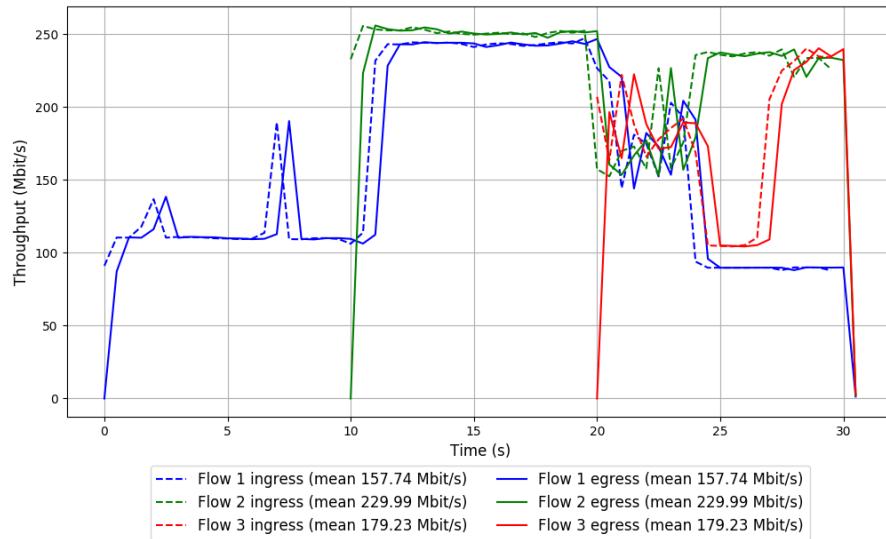


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-05 15:08:10
End at: 2018-06-05 15:08:40
Local clock offset: 0.377 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2018-06-05 17:46:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.49 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.74 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.99 Mbit/s
95th percentile per-packet one-way delay: 18.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 20.203 ms
Loss rate: 0.00%
```

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

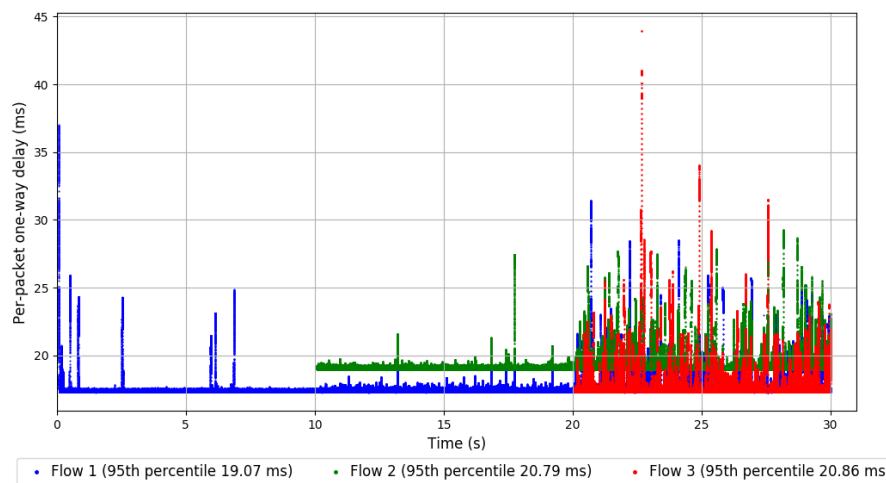
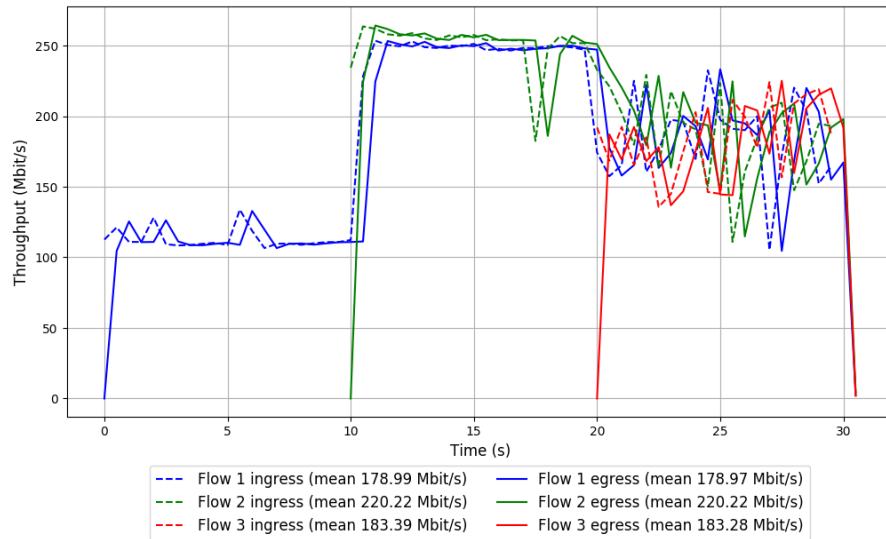


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-05 15:33:42
End at: 2018-06-05 15:34:12
Local clock offset: 0.162 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.55 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 178.97 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 220.22 Mbit/s
95th percentile per-packet one-way delay: 20.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.28 Mbit/s
95th percentile per-packet one-way delay: 20.855 ms
Loss rate: 0.05%
```

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

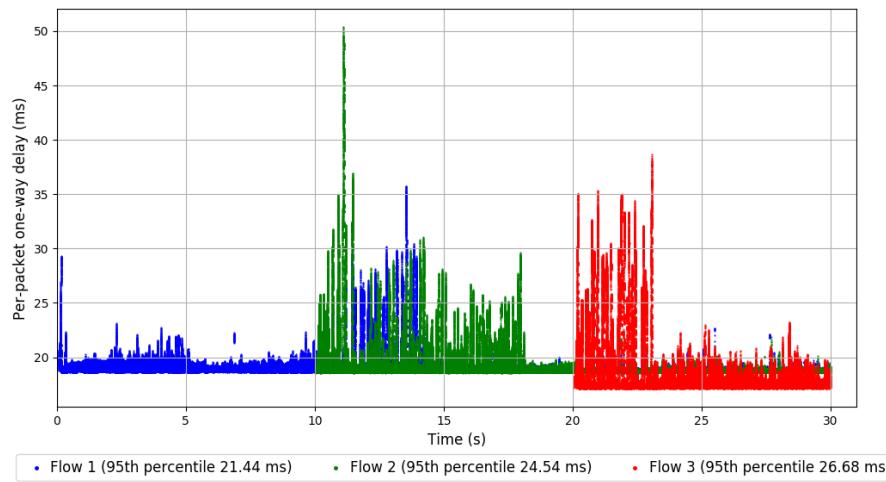
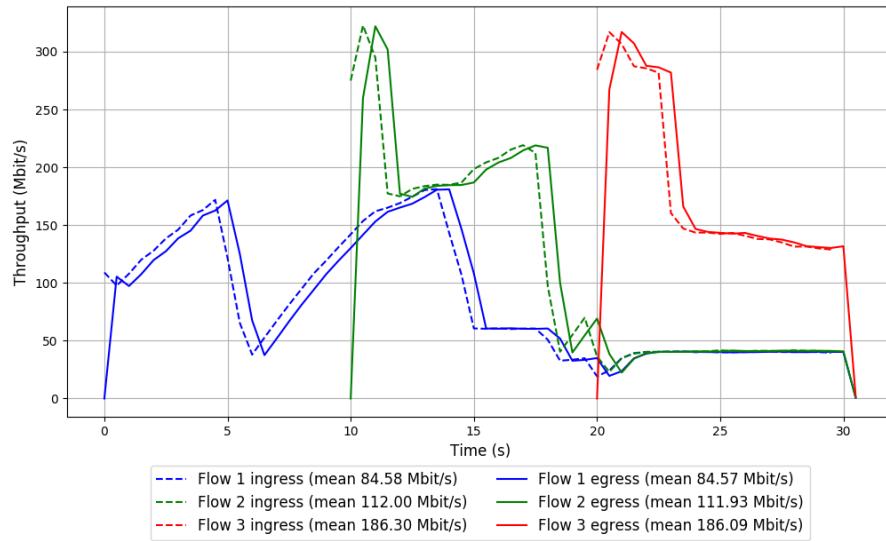


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-05 11:25:58
End at: 2018-06-05 11:26:28
Local clock offset: 0.359 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 221.02 Mbit/s
95th percentile per-packet one-way delay: 24.427 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 84.57 Mbit/s
95th percentile per-packet one-way delay: 21.442 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 24.538 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 186.09 Mbit/s
95th percentile per-packet one-way delay: 26.677 ms
Loss rate: 0.11%
```

Run 1: Report of TCP Vegas — Data Link

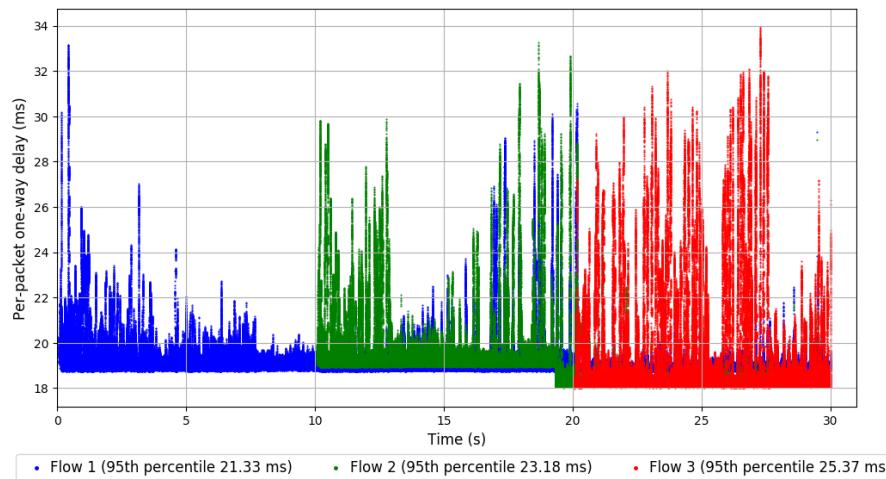
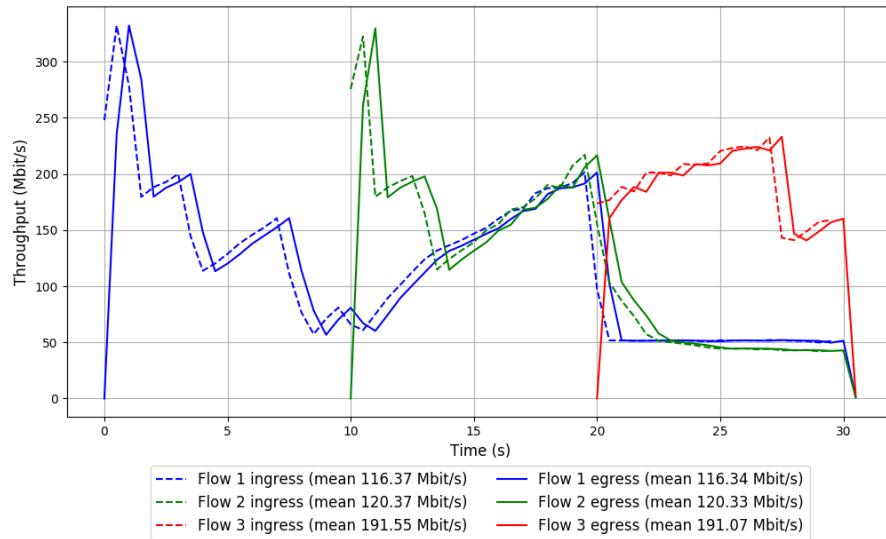


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-05 11:51:24
End at: 2018-06-05 11:51:54
Local clock offset: 0.118 ms
Remote clock offset: 0.249 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.01 Mbit/s
95th percentile per-packet one-way delay: 22.967 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 116.34 Mbit/s
95th percentile per-packet one-way delay: 21.328 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 120.33 Mbit/s
95th percentile per-packet one-way delay: 23.178 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 191.07 Mbit/s
95th percentile per-packet one-way delay: 25.373 ms
Loss rate: 0.20%
```

Run 2: Report of TCP Vegas — Data Link

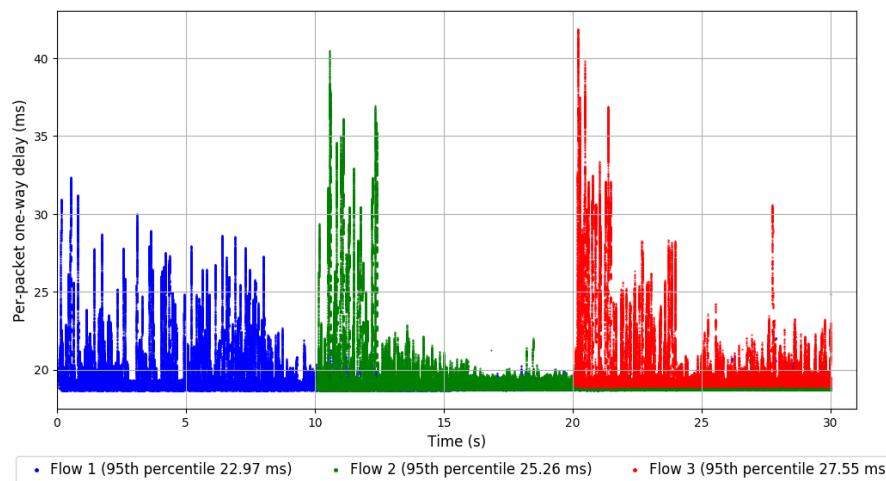
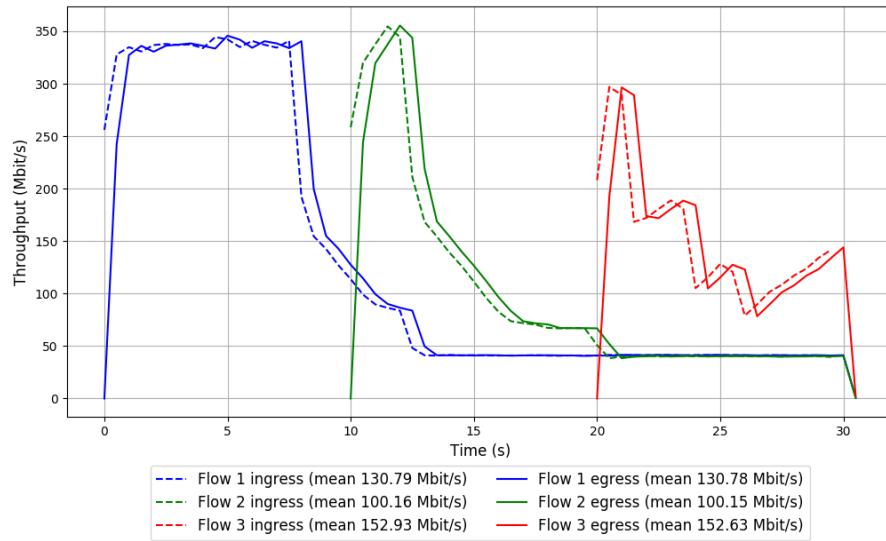


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-05 12:17:16
End at: 2018-06-05 12:17:46
Local clock offset: 0.208 ms
Remote clock offset: 0.45 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.23 Mbit/s
95th percentile per-packet one-way delay: 24.083 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 22.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.15 Mbit/s
95th percentile per-packet one-way delay: 25.259 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 152.63 Mbit/s
95th percentile per-packet one-way delay: 27.549 ms
Loss rate: 0.14%
```

Run 3: Report of TCP Vegas — Data Link

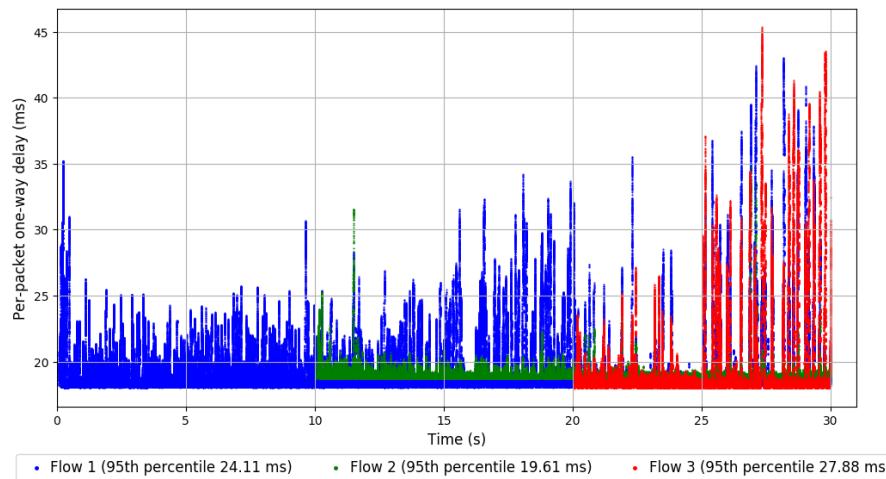
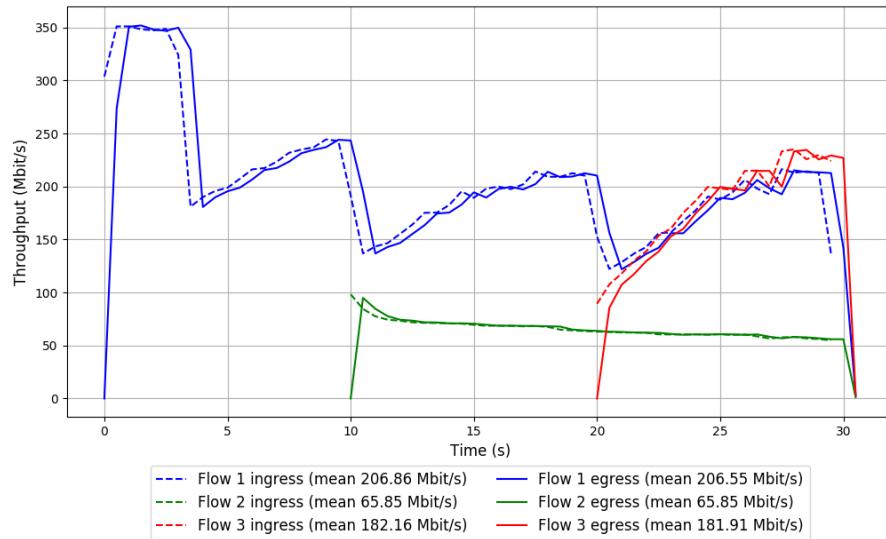


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-05 12:42:44
End at: 2018-06-05 12:43:14
Local clock offset: 0.2 ms
Remote clock offset: -0.469 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.90 Mbit/s
95th percentile per-packet one-way delay: 24.148 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 206.55 Mbit/s
95th percentile per-packet one-way delay: 24.114 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 181.91 Mbit/s
95th percentile per-packet one-way delay: 27.877 ms
Loss rate: 0.10%
```

Run 4: Report of TCP Vegas — Data Link

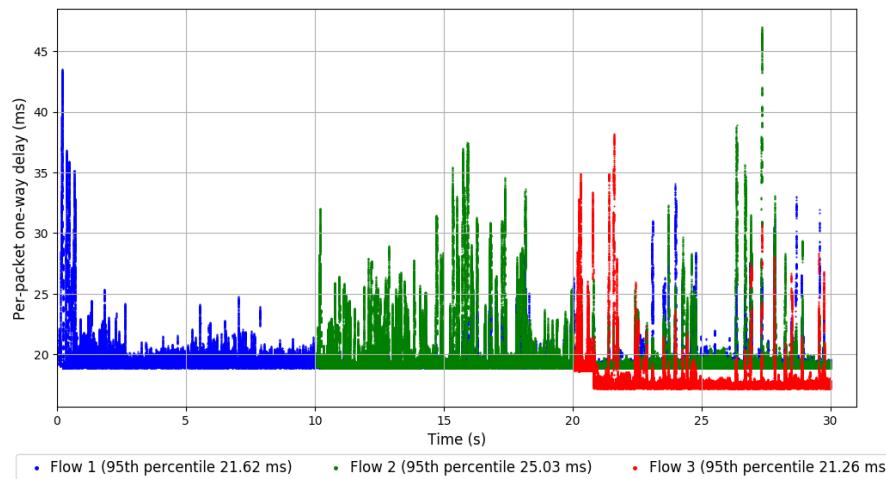
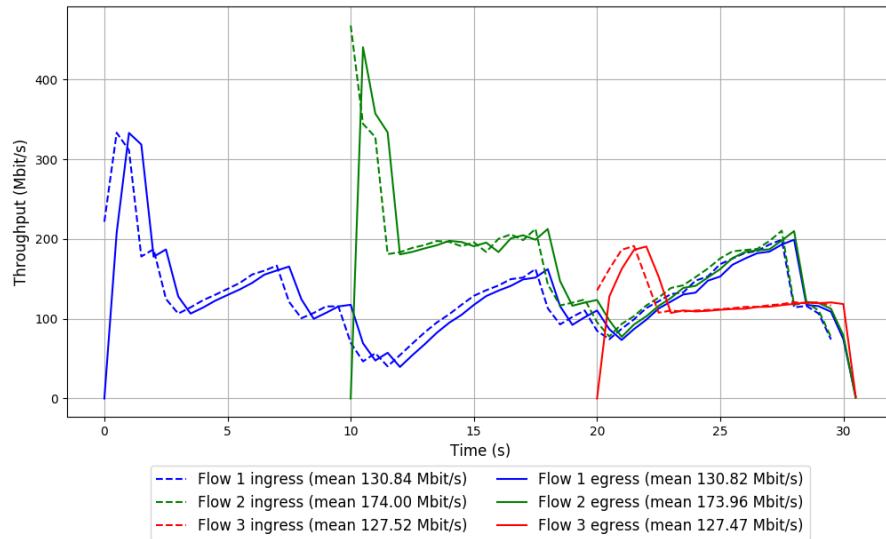


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-05 13:08:19
End at: 2018-06-05 13:08:49
Local clock offset: 0.281 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.08 Mbit/s
95th percentile per-packet one-way delay: 23.250 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 130.82 Mbit/s
95th percentile per-packet one-way delay: 21.625 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 173.96 Mbit/s
95th percentile per-packet one-way delay: 25.033 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 21.256 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

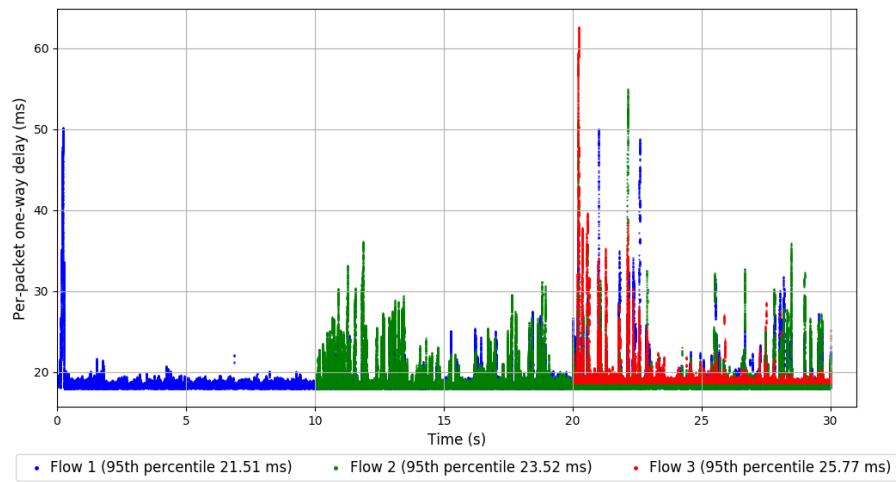
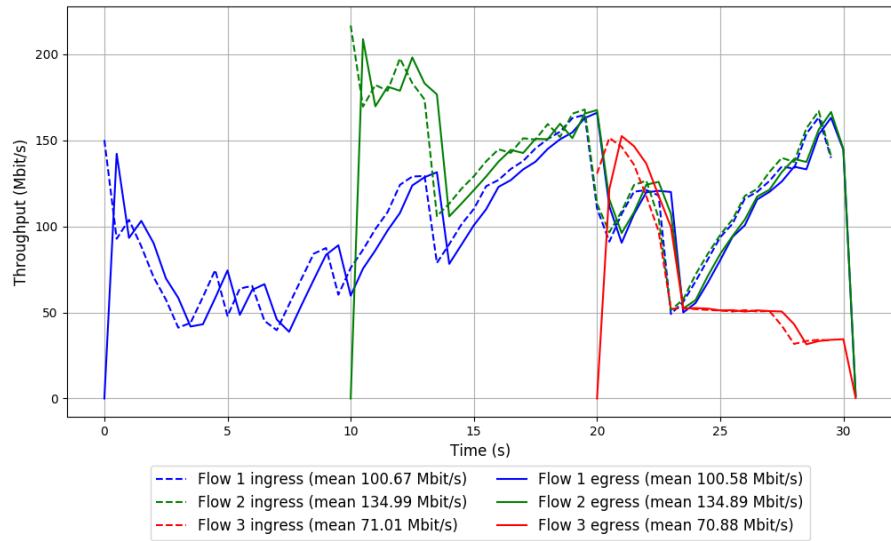


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-05 13:33:53
End at: 2018-06-05 13:34:23
Local clock offset: 0.293 ms
Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 22.905 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 100.58 Mbit/s
95th percentile per-packet one-way delay: 21.508 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 134.89 Mbit/s
95th percentile per-packet one-way delay: 23.516 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 25.772 ms
Loss rate: 0.16%
```

Run 6: Report of TCP Vegas — Data Link

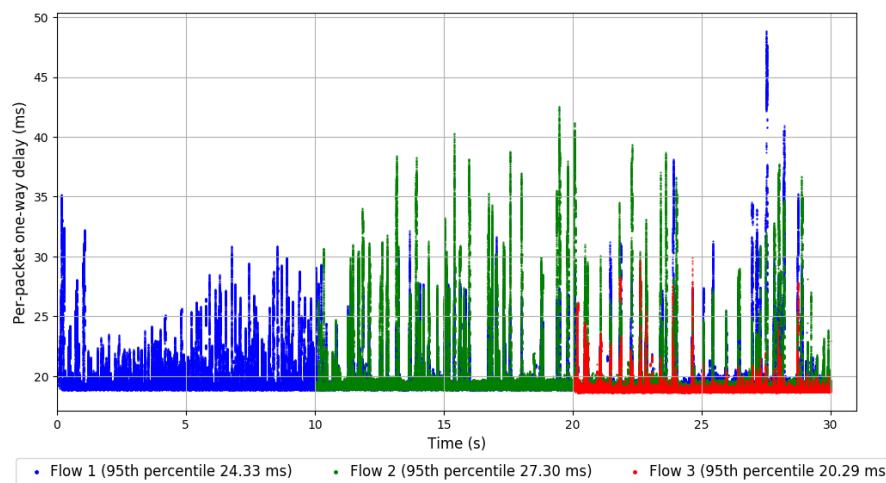
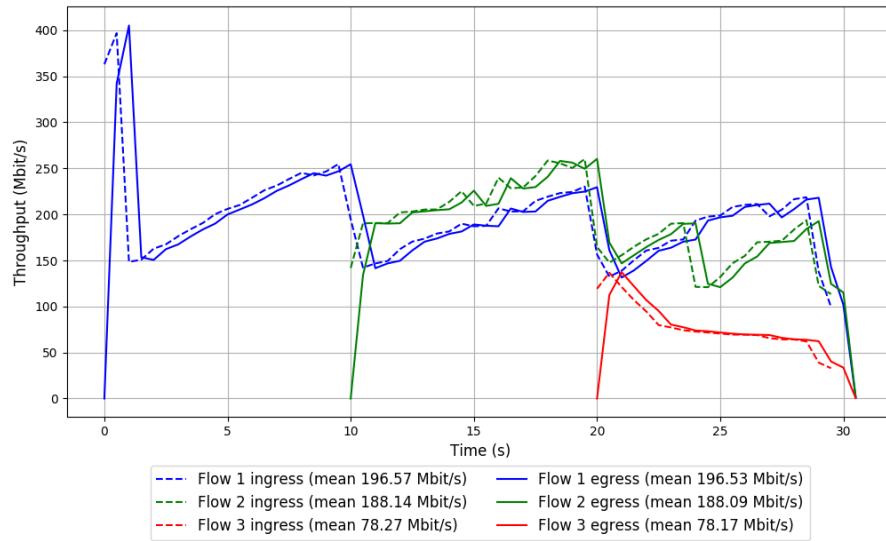


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-05 13:59:29
End at: 2018-06-05 13:59:59
Local clock offset: 0.419 ms
Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.78 Mbit/s
95th percentile per-packet one-way delay: 25.142 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 196.53 Mbit/s
95th percentile per-packet one-way delay: 24.326 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.09 Mbit/s
95th percentile per-packet one-way delay: 27.303 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 20.293 ms
Loss rate: 0.09%
```

Run 7: Report of TCP Vegas — Data Link

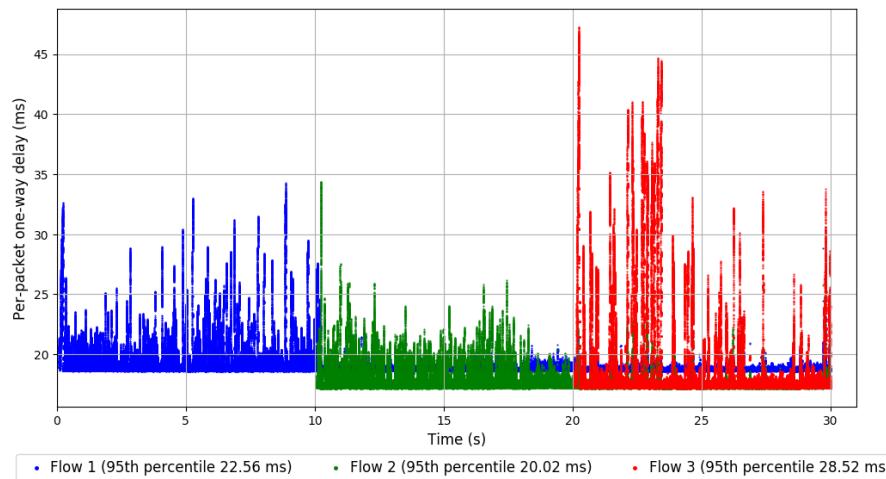
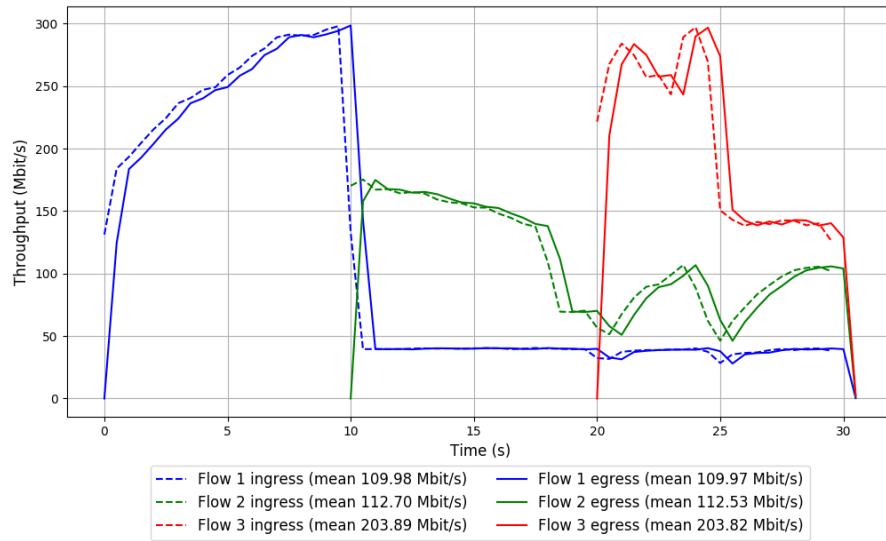


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:25:03
End at: 2018-06-05 14:25:33
Local clock offset: 0.384 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 252.73 Mbit/s
95th percentile per-packet one-way delay: 23.074 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 109.97 Mbit/s
95th percentile per-packet one-way delay: 22.557 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 112.53 Mbit/s
95th percentile per-packet one-way delay: 20.022 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 203.82 Mbit/s
95th percentile per-packet one-way delay: 28.520 ms
Loss rate: 0.03%
```

Run 8: Report of TCP Vegas — Data Link

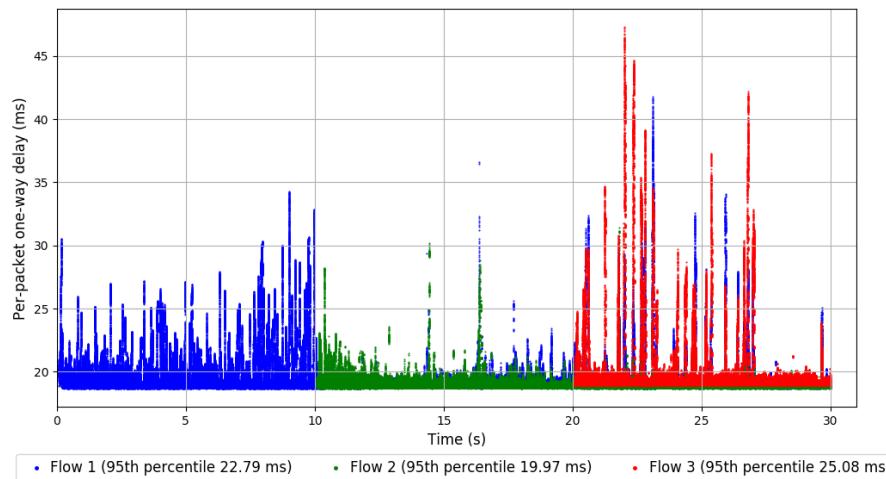
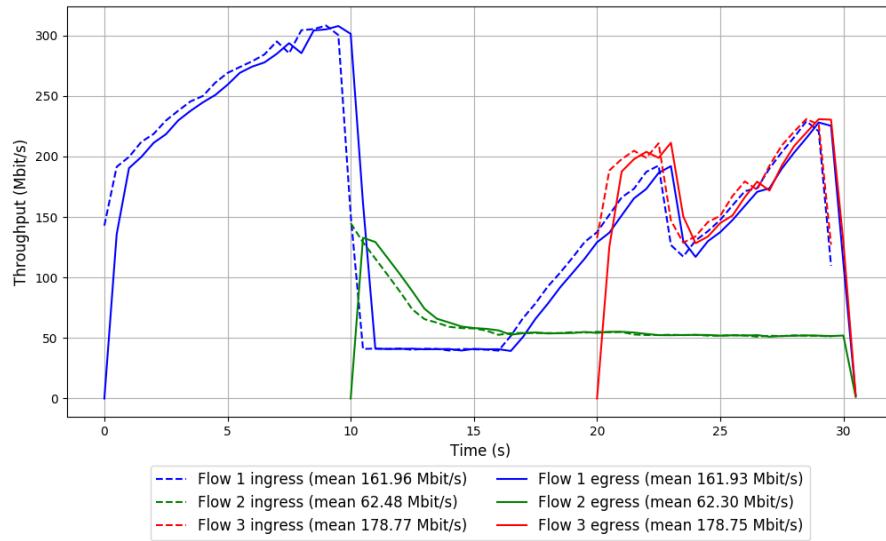


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-05 14:50:45
End at: 2018-06-05 14:51:15
Local clock offset: 0.205 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-05 17:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 262.87 Mbit/s
95th percentile per-packet one-way delay: 22.589 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 161.93 Mbit/s
95th percentile per-packet one-way delay: 22.791 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 19.967 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 178.75 Mbit/s
95th percentile per-packet one-way delay: 25.078 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

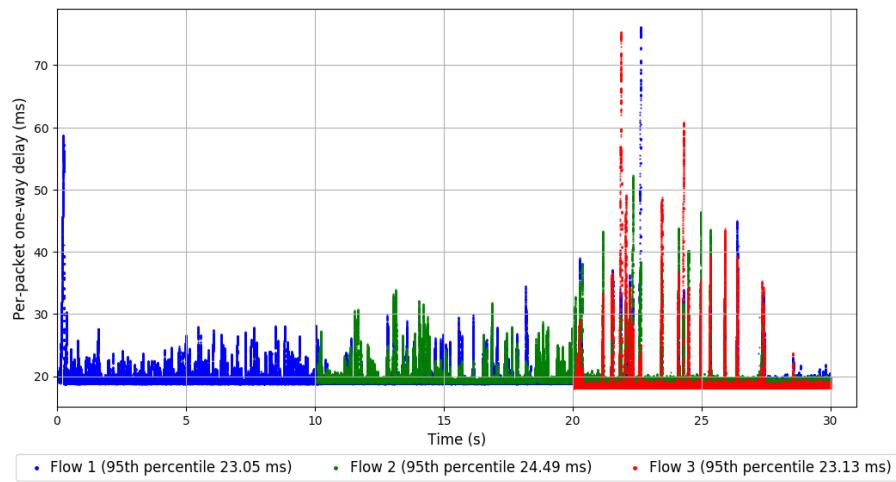
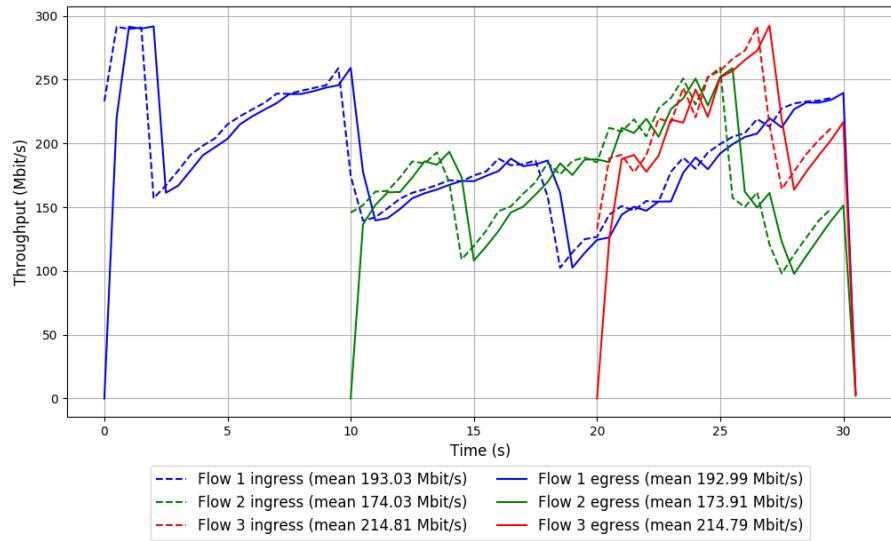


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-05 15:16:26
End at: 2018-06-05 15:16:56
Local clock offset: 0.371 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2018-06-05 17:48:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.25 Mbit/s
95th percentile per-packet one-way delay: 23.477 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 192.99 Mbit/s
95th percentile per-packet one-way delay: 23.053 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 173.91 Mbit/s
95th percentile per-packet one-way delay: 24.489 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 214.79 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

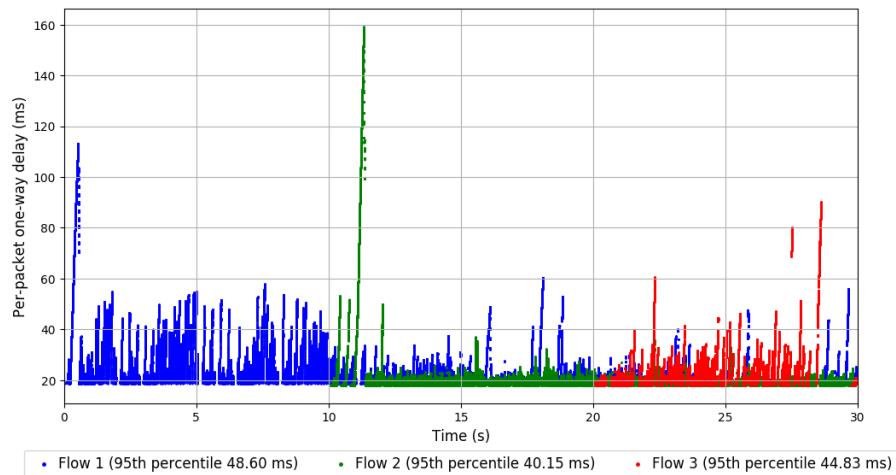
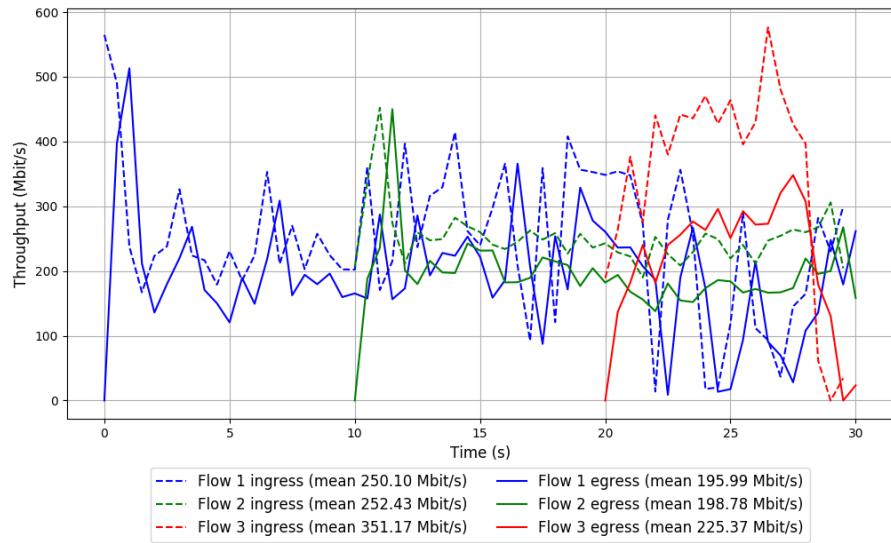


Run 1: Statistics of Verus

```
Start at: 2018-06-05 11:47:57
End at: 2018-06-05 11:48:27
Local clock offset: 0.215 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2018-06-05 17:49:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.73 Mbit/s
95th percentile per-packet one-way delay: 47.032 ms
Loss rate: 24.60%
-- Flow 1:
Average throughput: 195.99 Mbit/s
95th percentile per-packet one-way delay: 48.602 ms
Loss rate: 21.63%
-- Flow 2:
Average throughput: 198.78 Mbit/s
95th percentile per-packet one-way delay: 40.149 ms
Loss rate: 21.25%
-- Flow 3:
Average throughput: 225.37 Mbit/s
95th percentile per-packet one-way delay: 44.826 ms
Loss rate: 35.82%
```

Run 1: Report of Verus — Data Link

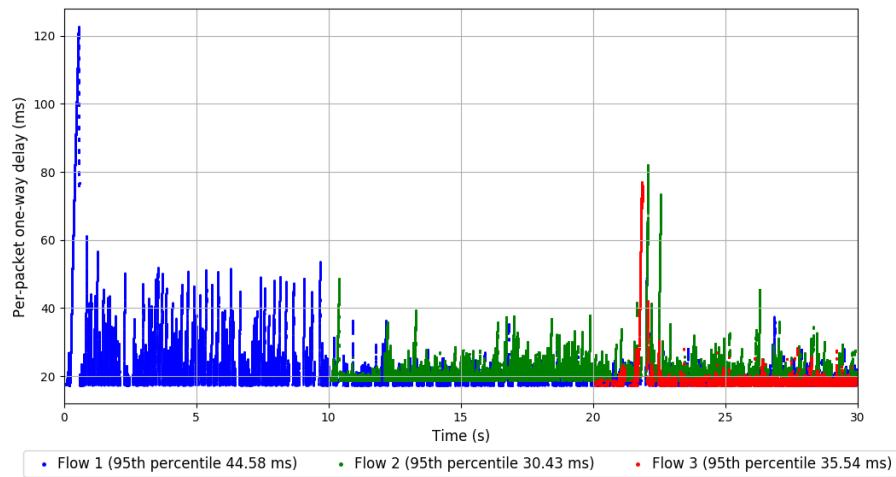
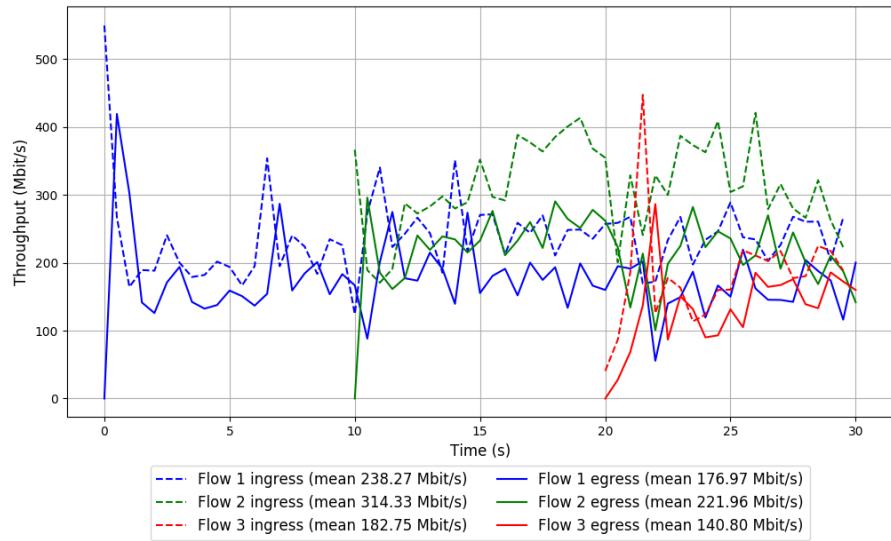


Run 2: Statistics of Verus

```
Start at: 2018-06-05 12:13:53
End at: 2018-06-05 12:14:23
Local clock offset: 0.205 ms
Remote clock offset: 0.452 ms

# Below is generated by plot.py at 2018-06-05 17:49:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.24 Mbit/s
95th percentile per-packet one-way delay: 36.972 ms
Loss rate: 26.90%
-- Flow 1:
Average throughput: 176.97 Mbit/s
95th percentile per-packet one-way delay: 44.579 ms
Loss rate: 25.72%
-- Flow 2:
Average throughput: 221.96 Mbit/s
95th percentile per-packet one-way delay: 30.429 ms
Loss rate: 29.38%
-- Flow 3:
Average throughput: 140.80 Mbit/s
95th percentile per-packet one-way delay: 35.544 ms
Loss rate: 22.94%
```

Run 2: Report of Verus — Data Link

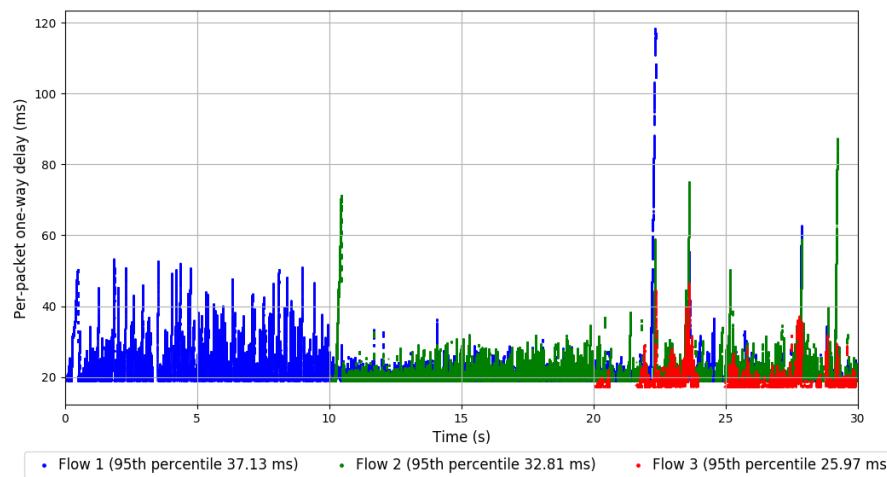
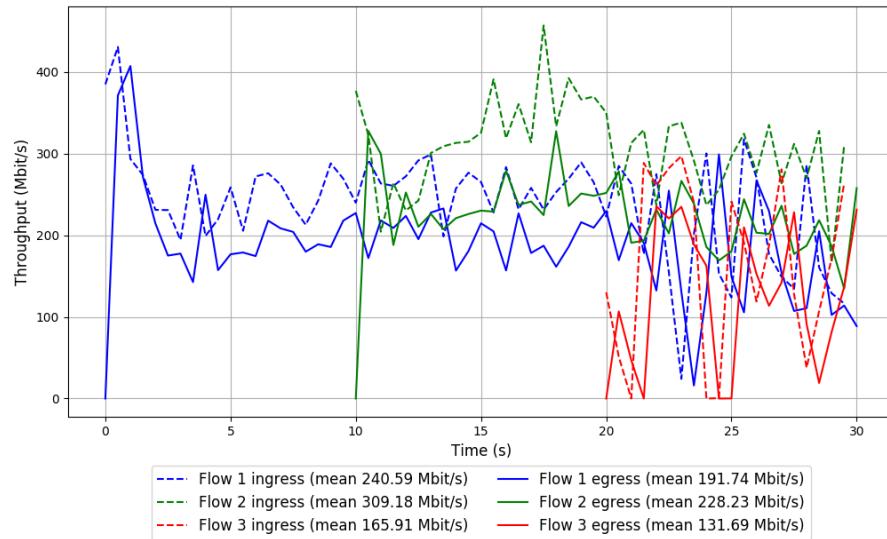


Run 3: Statistics of Verus

```
Start at: 2018-06-05 12:39:22
End at: 2018-06-05 12:39:52
Local clock offset: 0.209 ms
Remote clock offset: -0.437 ms

# Below is generated by plot.py at 2018-06-05 17:50:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.06 Mbit/s
95th percentile per-packet one-way delay: 34.452 ms
Loss rate: 22.75%
-- Flow 1:
Average throughput: 191.74 Mbit/s
95th percentile per-packet one-way delay: 37.129 ms
Loss rate: 20.30%
-- Flow 2:
Average throughput: 228.23 Mbit/s
95th percentile per-packet one-way delay: 32.809 ms
Loss rate: 26.18%
-- Flow 3:
Average throughput: 131.69 Mbit/s
95th percentile per-packet one-way delay: 25.969 ms
Loss rate: 20.61%
```

Run 3: Report of Verus — Data Link

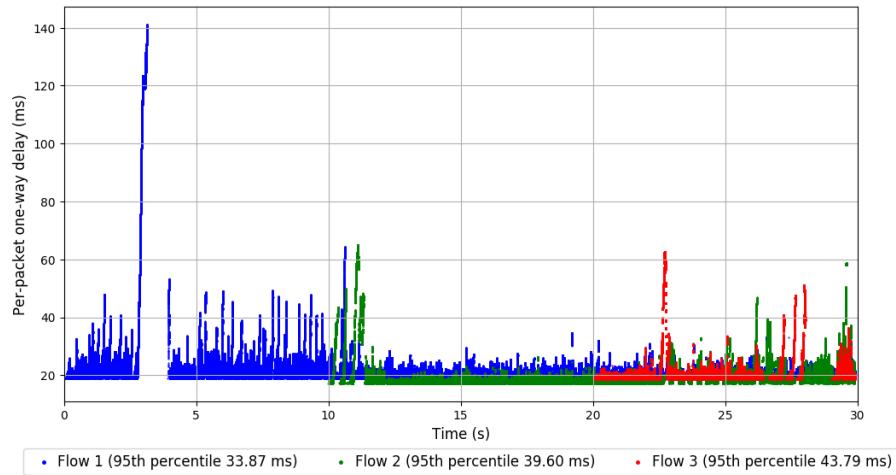
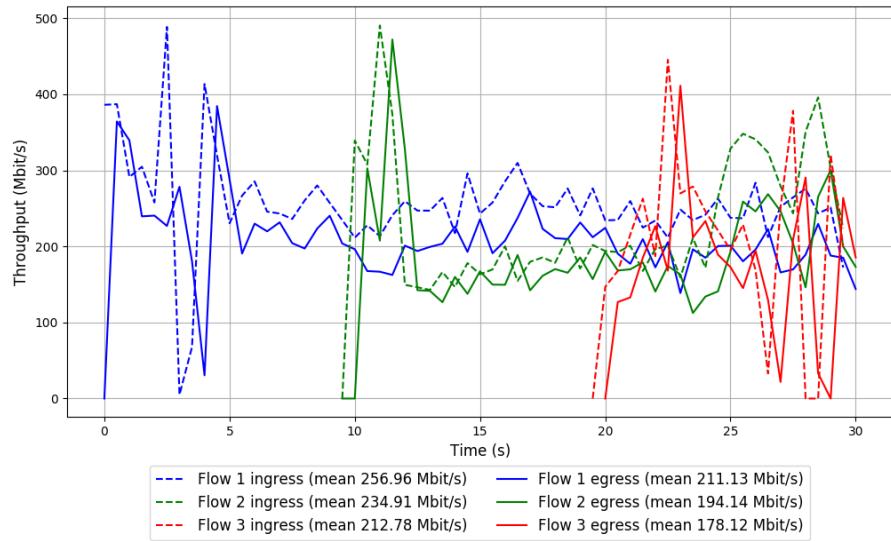


Run 4: Statistics of Verus

```
Start at: 2018-06-05 13:04:55
End at: 2018-06-05 13:05:25
Local clock offset: 0.303 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-06-05 17:50:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.48 Mbit/s
95th percentile per-packet one-way delay: 38.203 ms
Loss rate: 17.44%
-- Flow 1:
Average throughput: 211.13 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 17.83%
-- Flow 2:
Average throughput: 194.14 Mbit/s
95th percentile per-packet one-way delay: 39.597 ms
Loss rate: 17.33%
-- Flow 3:
Average throughput: 178.12 Mbit/s
95th percentile per-packet one-way delay: 43.788 ms
Loss rate: 16.29%
```

Run 4: Report of Verus — Data Link

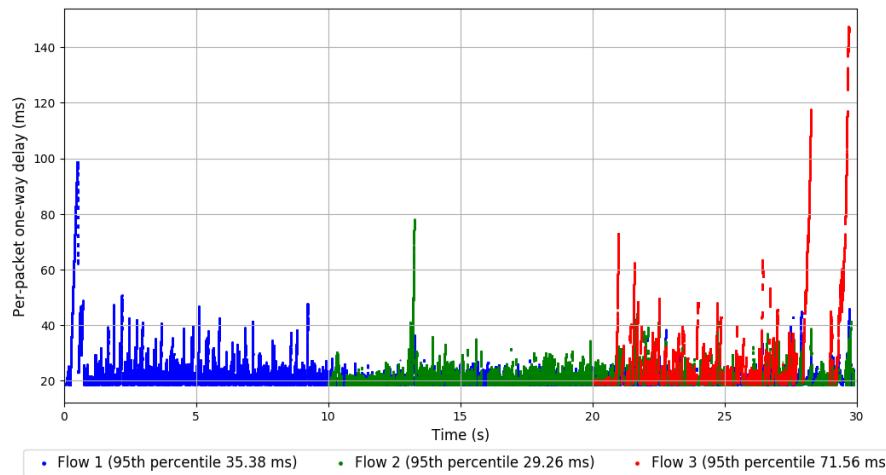
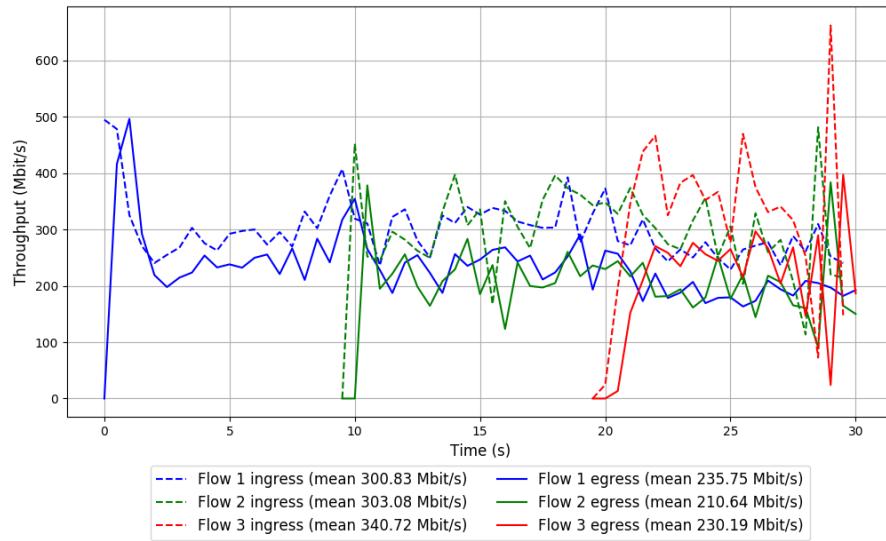


Run 5: Statistics of Verus

```
Start at: 2018-06-05 13:30:27
End at: 2018-06-05 13:30:57
Local clock offset: 0.284 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-06-05 17:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.14 Mbit/s
95th percentile per-packet one-way delay: 41.952 ms
Loss rate: 26.33%
-- Flow 1:
Average throughput: 235.75 Mbit/s
95th percentile per-packet one-way delay: 35.377 ms
Loss rate: 21.64%
-- Flow 2:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 29.256 ms
Loss rate: 30.51%
-- Flow 3:
Average throughput: 230.19 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 31.55%
```

Run 5: Report of Verus — Data Link

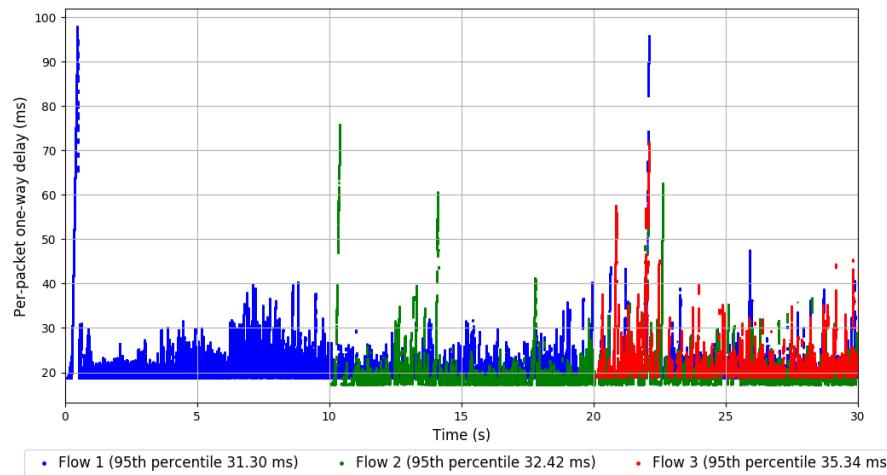
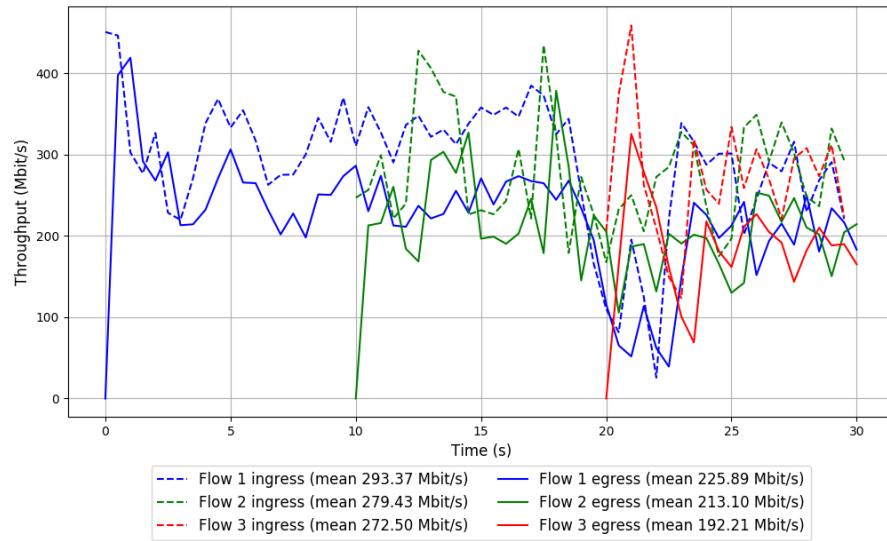


Run 6: Statistics of Verus

```
Start at: 2018-06-05 13:56:03
End at: 2018-06-05 13:56:33
Local clock offset: 0.409 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2018-06-05 17:52:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 32.586 ms
Loss rate: 24.25%
-- Flow 1:
Average throughput: 225.89 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 23.00%
-- Flow 2:
Average throughput: 213.10 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 23.71%
-- Flow 3:
Average throughput: 192.21 Mbit/s
95th percentile per-packet one-way delay: 35.345 ms
Loss rate: 29.46%
```

Run 6: Report of Verus — Data Link

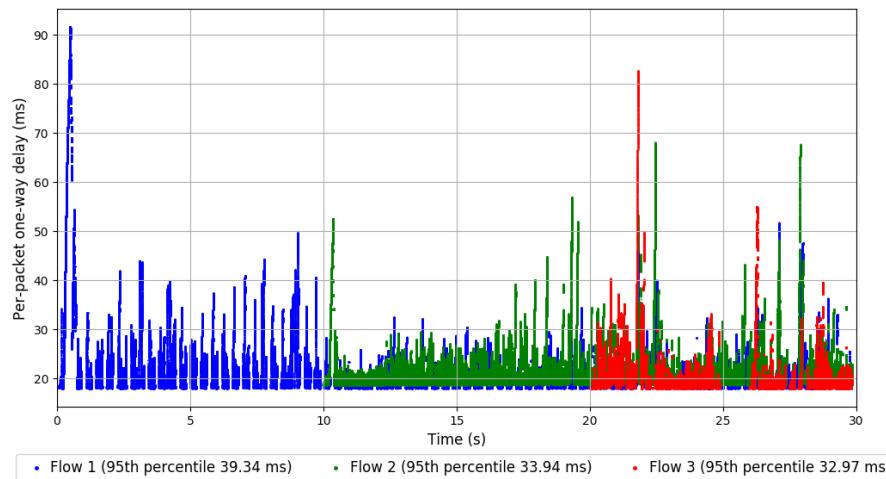
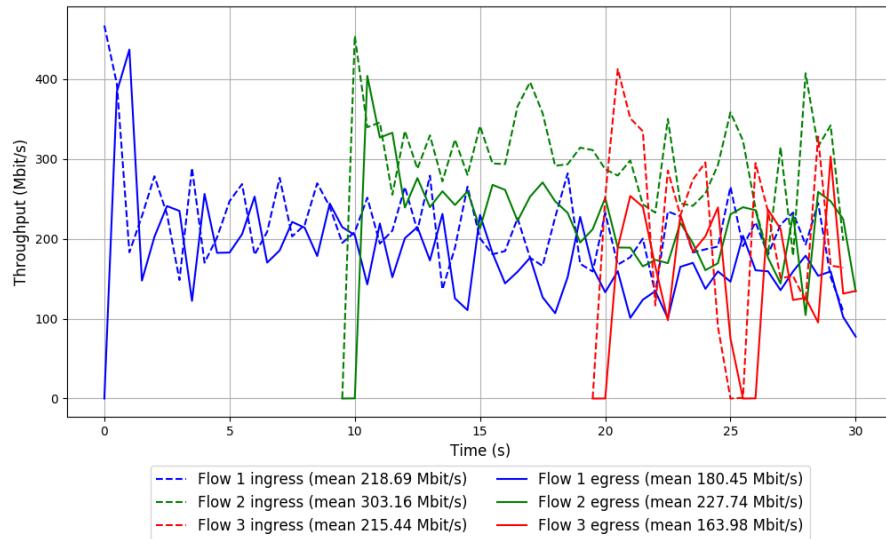


Run 7: Statistics of Verus

```
Start at: 2018-06-05 14:21:45
End at: 2018-06-05 14:22:15
Local clock offset: 0.439 ms
Remote clock offset: 0.188 ms

# Below is generated by plot.py at 2018-06-05 17:52:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 386.21 Mbit/s
95th percentile per-packet one-way delay: 35.868 ms
Loss rate: 21.44%
-- Flow 1:
Average throughput: 180.45 Mbit/s
95th percentile per-packet one-way delay: 39.335 ms
Loss rate: 17.48%
-- Flow 2:
Average throughput: 227.74 Mbit/s
95th percentile per-packet one-way delay: 33.936 ms
Loss rate: 24.86%
-- Flow 3:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 32.969 ms
Loss rate: 23.87%
```

Run 7: Report of Verus — Data Link

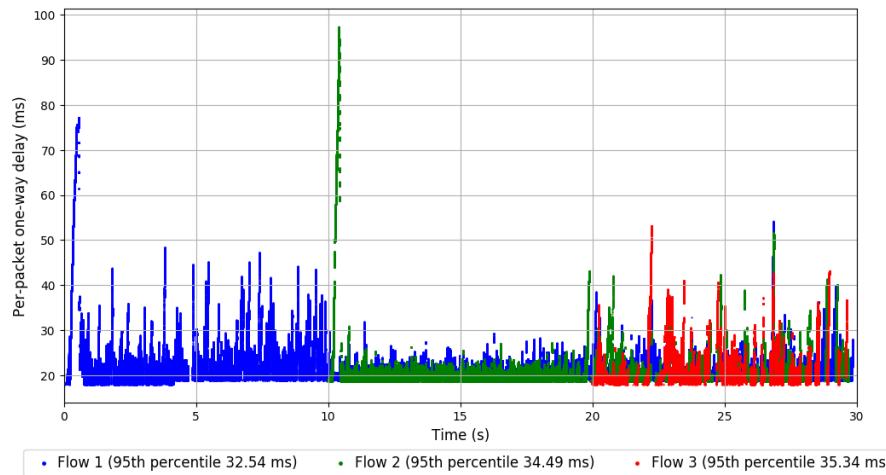
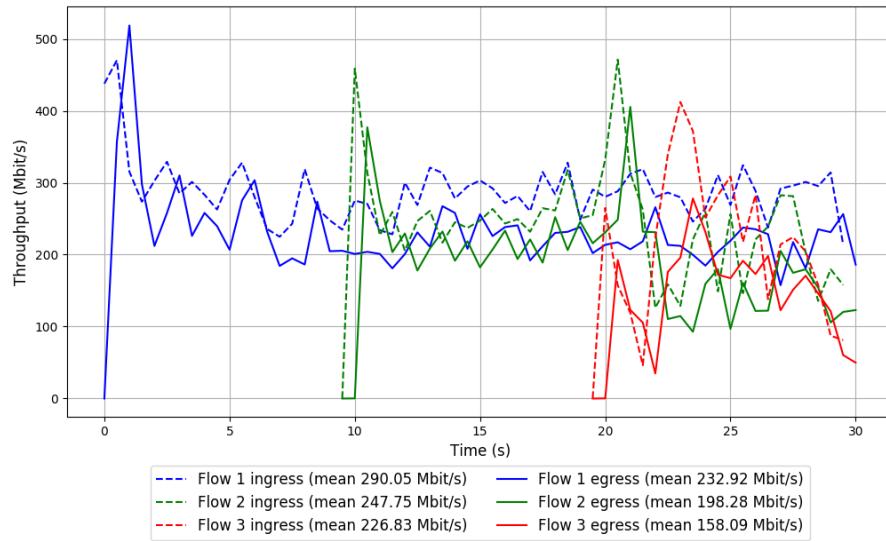


Run 8: Statistics of Verus

```
Start at: 2018-06-05 14:47:21
End at: 2018-06-05 14:47:51
Local clock offset: 0.219 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-06-05 17:54:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.49 Mbit/s
95th percentile per-packet one-way delay: 33.516 ms
Loss rate: 21.22%
-- Flow 1:
Average throughput: 232.92 Mbit/s
95th percentile per-packet one-way delay: 32.541 ms
Loss rate: 19.67%
-- Flow 2:
Average throughput: 198.28 Mbit/s
95th percentile per-packet one-way delay: 34.493 ms
Loss rate: 19.95%
-- Flow 3:
Average throughput: 158.09 Mbit/s
95th percentile per-packet one-way delay: 35.337 ms
Loss rate: 30.18%
```

Run 8: Report of Verus — Data Link

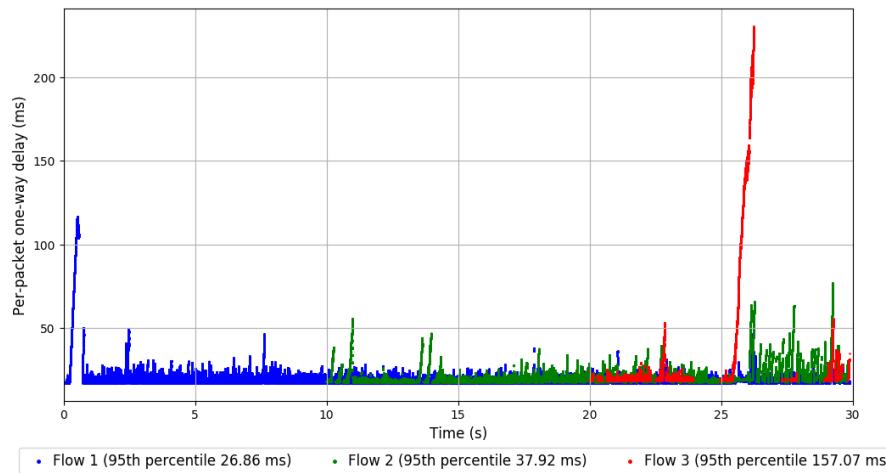
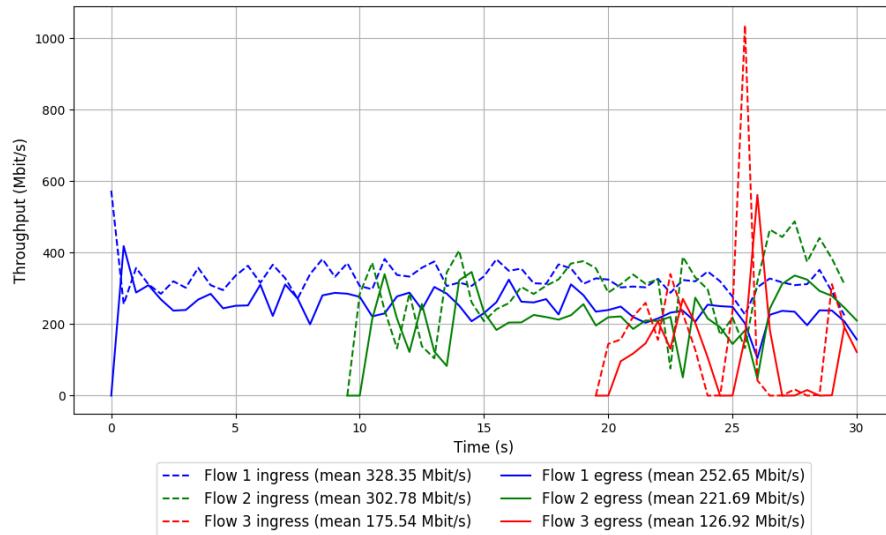


Run 9: Statistics of Verus

```
Start at: 2018-06-05 15:13:02
End at: 2018-06-05 15:13:32
Local clock offset: 0.457 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2018-06-05 17:55:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.24 Mbit/s
95th percentile per-packet one-way delay: 43.617 ms
Loss rate: 24.77%
-- Flow 1:
Average throughput: 252.65 Mbit/s
95th percentile per-packet one-way delay: 26.864 ms
Loss rate: 23.05%
-- Flow 2:
Average throughput: 221.69 Mbit/s
95th percentile per-packet one-way delay: 37.917 ms
Loss rate: 26.75%
-- Flow 3:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 157.066 ms
Loss rate: 27.61%
```

Run 9: Report of Verus — Data Link

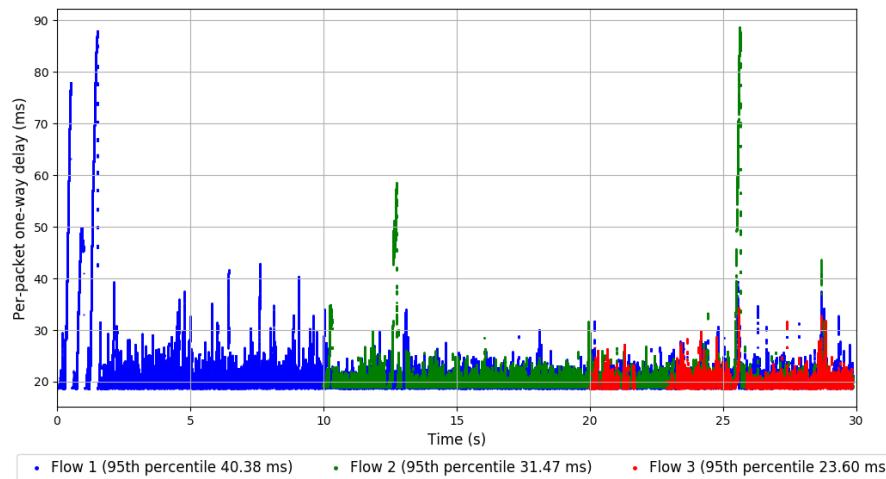
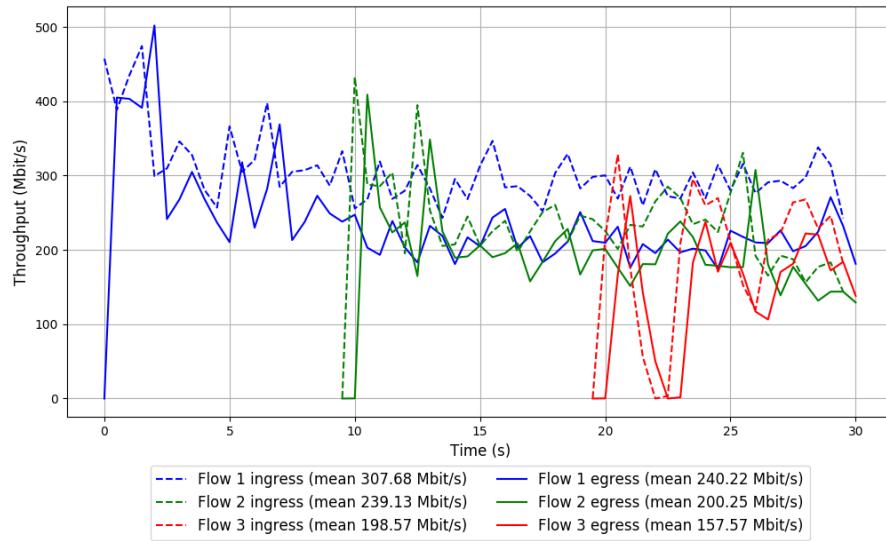


Run 10: Statistics of Verus

```
Start at: 2018-06-05 15:38:31
End at: 2018-06-05 15:39:01
Local clock offset: 0.206 ms
Remote clock offset: 0.298 ms

# Below is generated by plot.py at 2018-06-05 17:55:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 426.06 Mbit/s
95th percentile per-packet one-way delay: 32.378 ms
Loss rate: 20.06%
-- Flow 1:
Average throughput: 240.22 Mbit/s
95th percentile per-packet one-way delay: 40.382 ms
Loss rate: 21.92%
-- Flow 2:
Average throughput: 200.25 Mbit/s
95th percentile per-packet one-way delay: 31.467 ms
Loss rate: 16.26%
-- Flow 3:
Average throughput: 157.57 Mbit/s
95th percentile per-packet one-way delay: 23.598 ms
Loss rate: 20.64%
```

Run 10: Report of Verus — Data Link

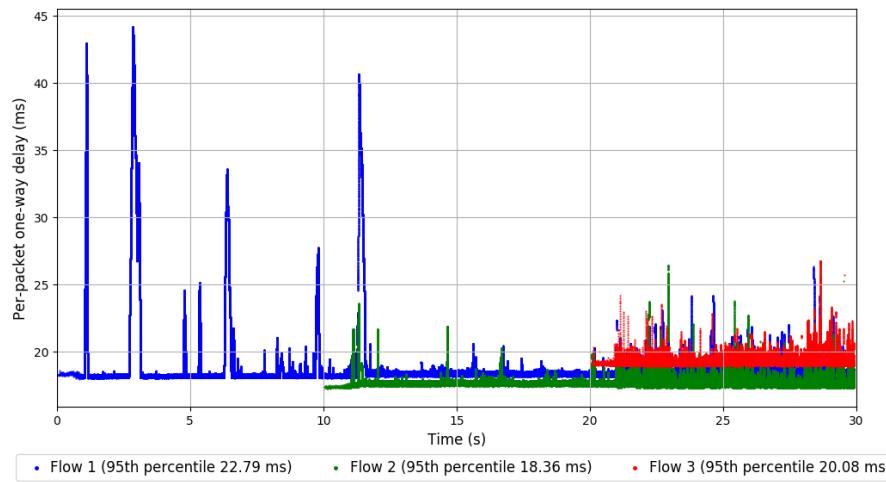
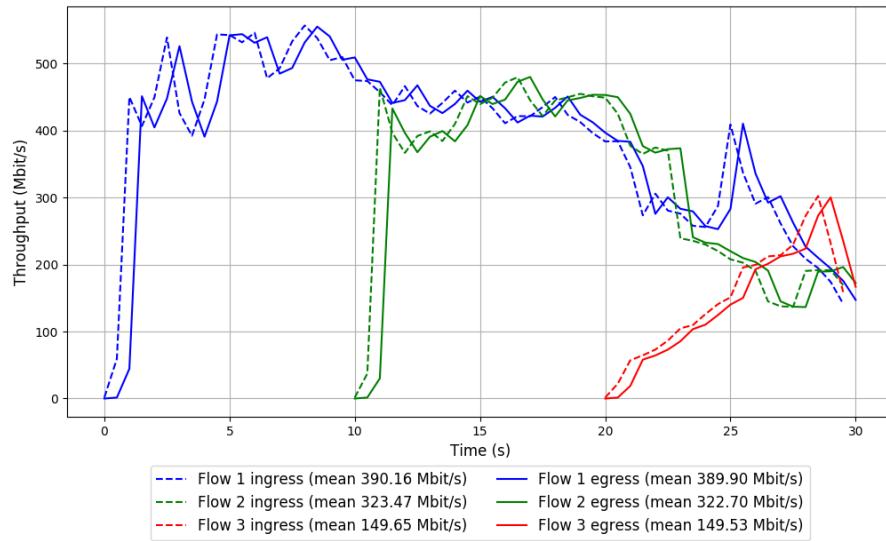


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 11:36:48
End at: 2018-06-05 11:37:18
Local clock offset: 0.16 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2018-06-05 17:58:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 653.96 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 389.90 Mbit/s
95th percentile per-packet one-way delay: 22.787 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 322.70 Mbit/s
95th percentile per-packet one-way delay: 18.363 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 149.53 Mbit/s
95th percentile per-packet one-way delay: 20.082 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Vivace — Data Link

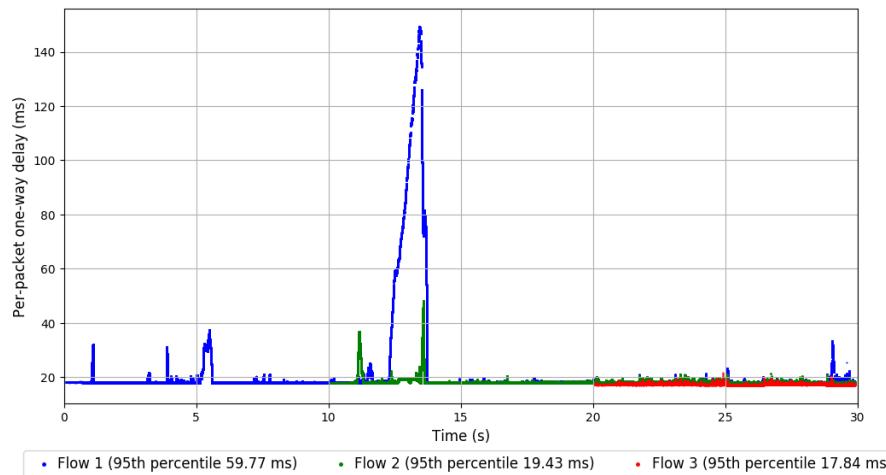
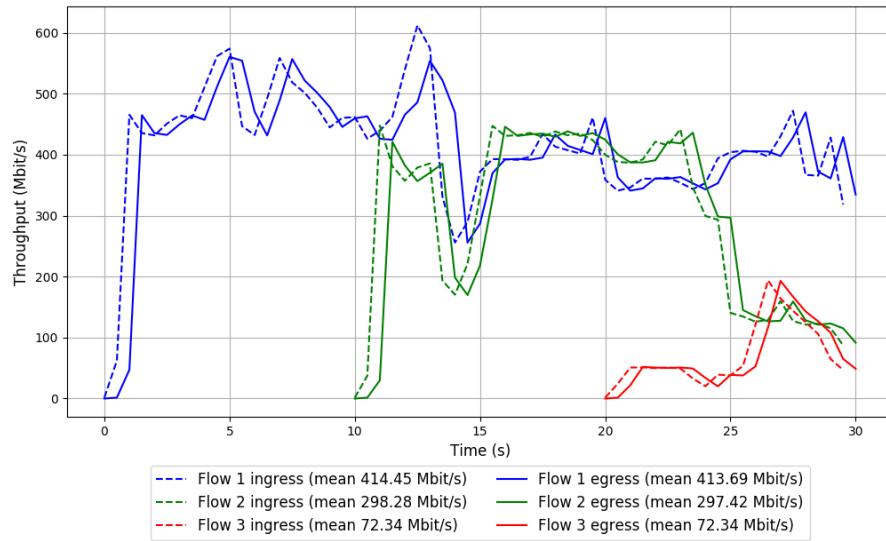


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-05 12:02:30
End at: 2018-06-05 12:03:00
Local clock offset: 0.261 ms
Remote clock offset: 0.282 ms

# Below is generated by plot.py at 2018-06-05 17:58:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 635.38 Mbit/s
95th percentile per-packet one-way delay: 31.207 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 413.69 Mbit/s
95th percentile per-packet one-way delay: 59.766 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 297.42 Mbit/s
95th percentile per-packet one-way delay: 19.430 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 17.845 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

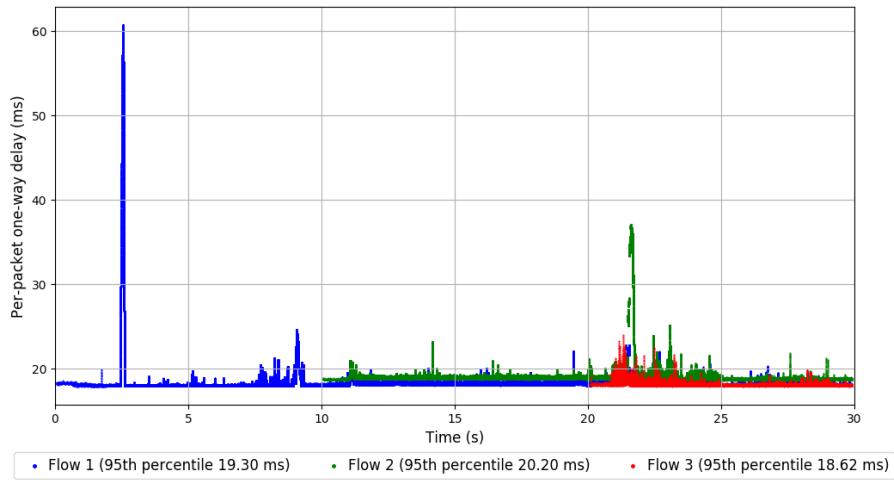
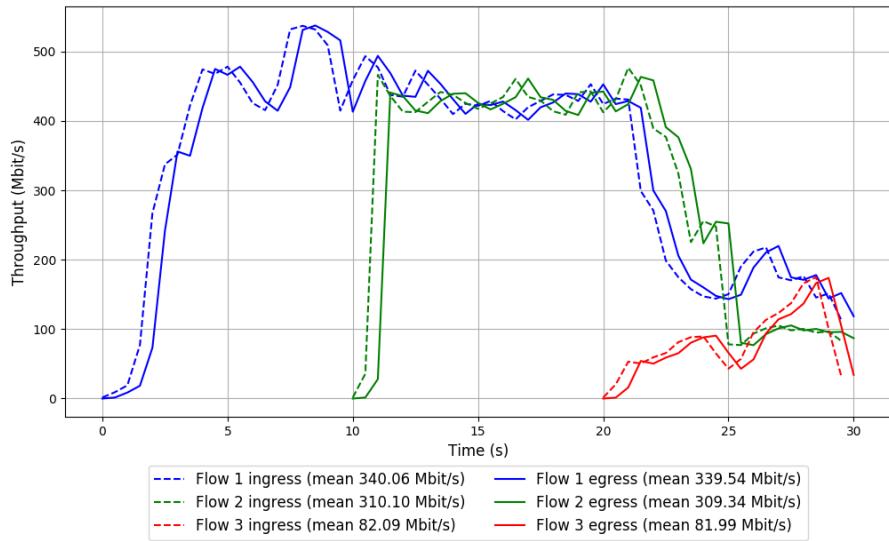


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-05 12:28:11
End at: 2018-06-05 12:28:41
Local clock offset: 0.272 ms
Remote clock offset: -0.178 ms

# Below is generated by plot.py at 2018-06-05 17:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 572.28 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 339.54 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 309.34 Mbit/s
95th percentile per-packet one-way delay: 20.202 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 18.624 ms
Loss rate: 0.11%
```

Run 3: Report of PCC-Vivace — Data Link

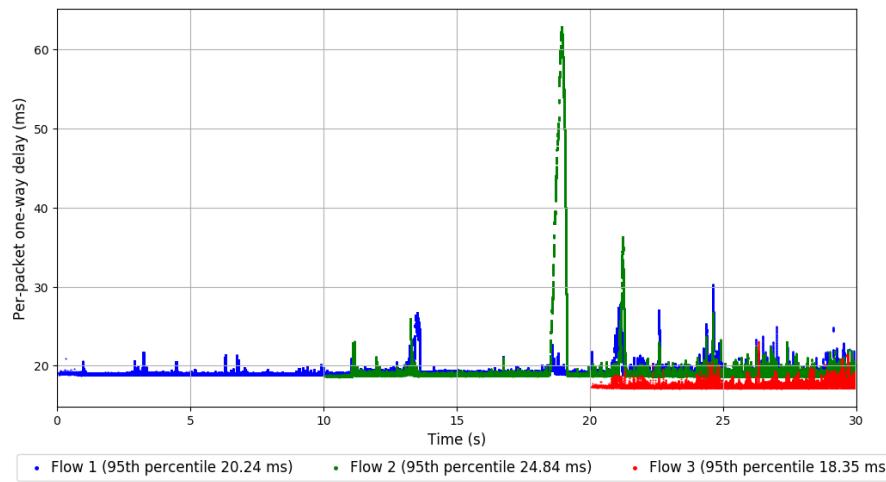
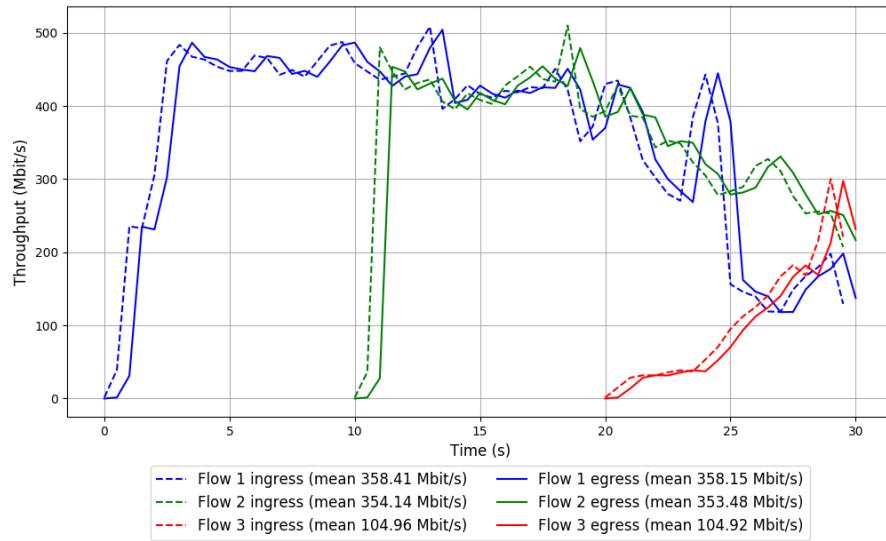


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-05 12:53:35
End at: 2018-06-05 12:54:05
Local clock offset: 0.279 ms
Remote clock offset: -0.394 ms

# Below is generated by plot.py at 2018-06-05 18:00:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 627.88 Mbit/s
95th percentile per-packet one-way delay: 20.508 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 358.15 Mbit/s
95th percentile per-packet one-way delay: 20.240 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 353.48 Mbit/s
95th percentile per-packet one-way delay: 24.835 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 104.92 Mbit/s
95th percentile per-packet one-way delay: 18.354 ms
Loss rate: 0.04%
```

Run 4: Report of PCC-Vivace — Data Link

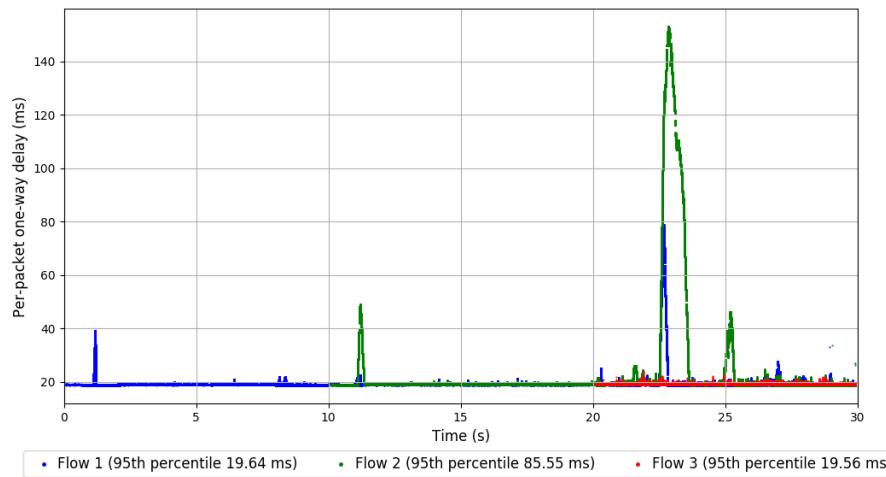
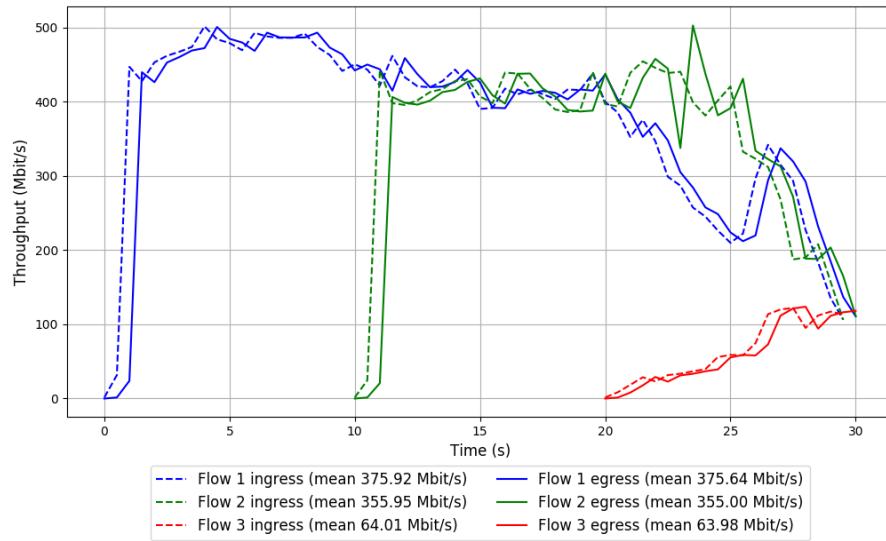


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-05 13:19:18
End at: 2018-06-05 13:19:48
Local clock offset: 0.286 ms
Remote clock offset: 0.174 ms

# Below is generated by plot.py at 2018-06-05 18:00:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 632.82 Mbit/s
95th percentile per-packet one-way delay: 23.788 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 375.64 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 355.00 Mbit/s
95th percentile per-packet one-way delay: 85.553 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 19.564 ms
Loss rate: 0.06%
```

Run 5: Report of PCC-Vivace — Data Link

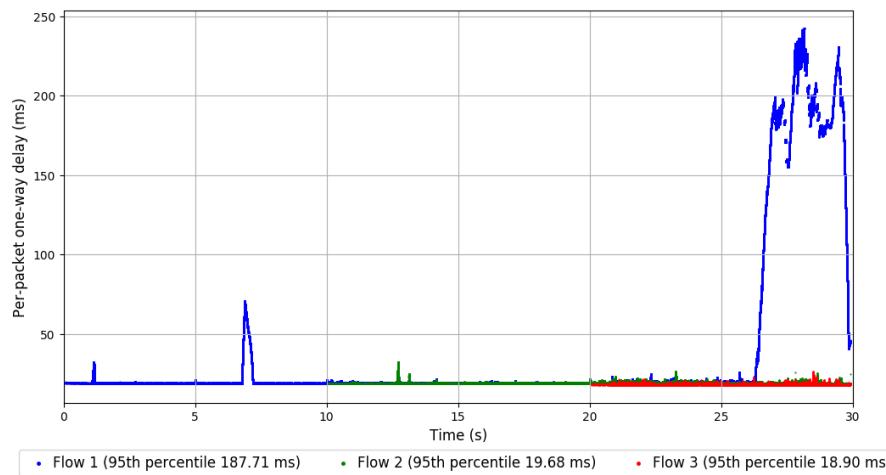
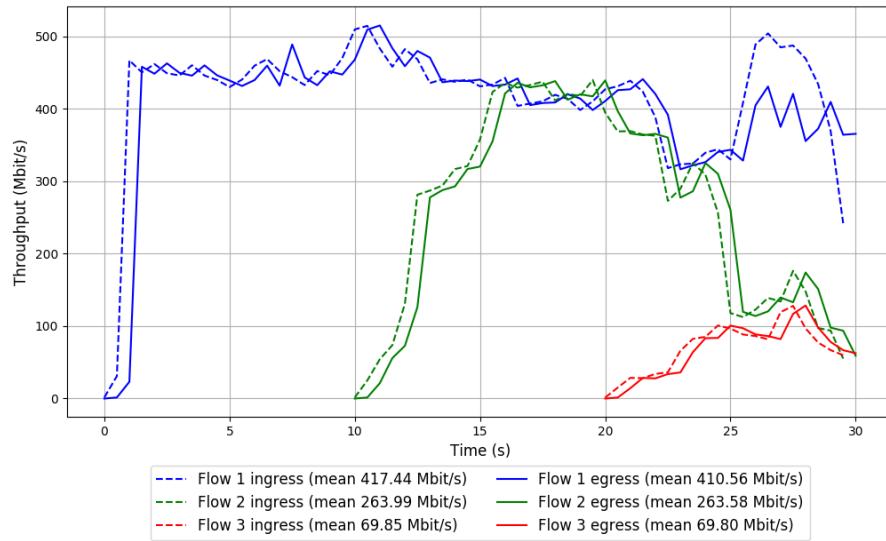


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-05 13:44:47
End at: 2018-06-05 13:45:17
Local clock offset: 0.339 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-06-05 18:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 608.85 Mbit/s
95th percentile per-packet one-way delay: 178.403 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 410.56 Mbit/s
95th percentile per-packet one-way delay: 187.709 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 263.58 Mbit/s
95th percentile per-packet one-way delay: 19.677 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 18.904 ms
Loss rate: 0.07%
```

Run 6: Report of PCC-Vivace — Data Link

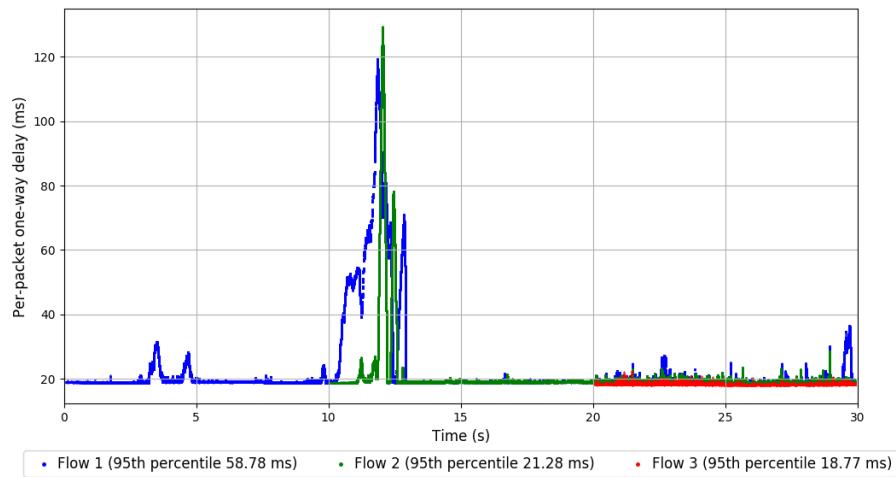
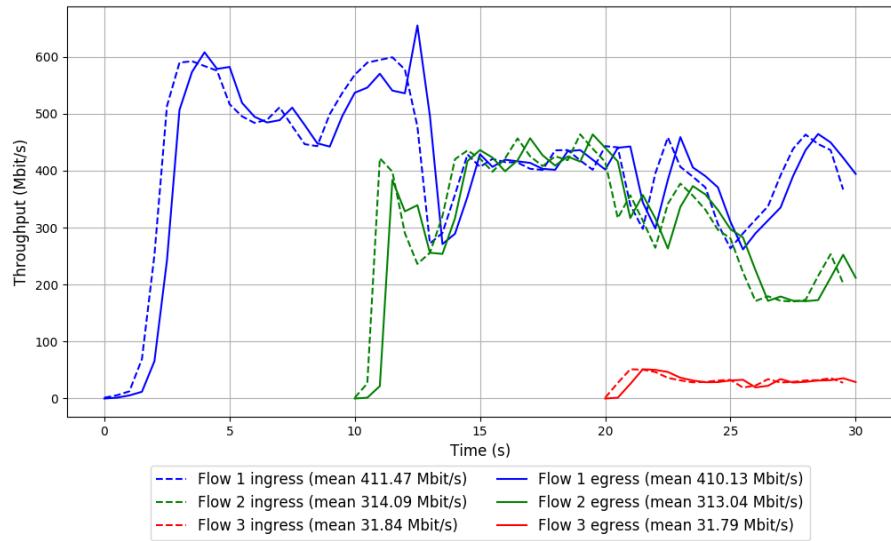


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:10:32
End at: 2018-06-05 14:11:02
Local clock offset: 0.438 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-06-05 18:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 628.81 Mbit/s
95th percentile per-packet one-way delay: 51.286 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 410.13 Mbit/s
95th percentile per-packet one-way delay: 58.783 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 313.04 Mbit/s
95th percentile per-packet one-way delay: 21.284 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 18.770 ms
Loss rate: 0.18%
```

Run 7: Report of PCC-Vivace — Data Link

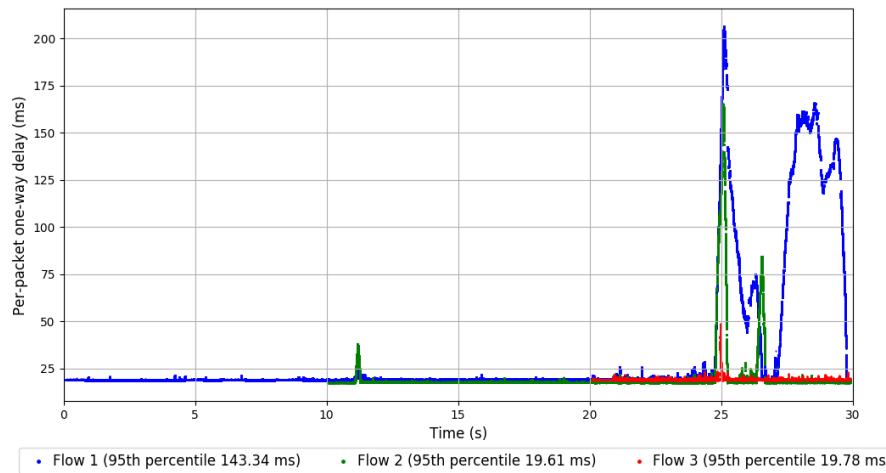
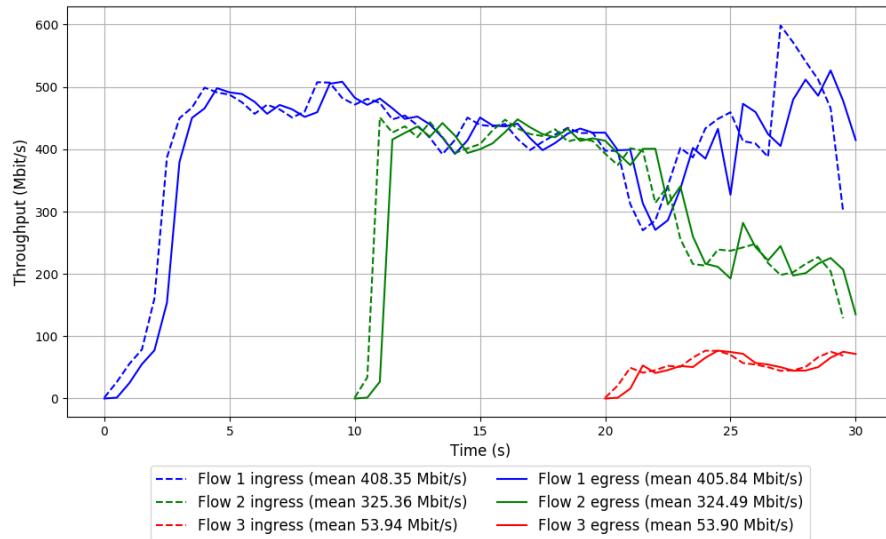


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-05 14:35:55
End at: 2018-06-05 14:36:25
Local clock offset: 0.181 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at 2018-06-05 18:02:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 639.43 Mbit/s
95th percentile per-packet one-way delay: 128.202 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 405.84 Mbit/s
95th percentile per-packet one-way delay: 143.337 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 324.49 Mbit/s
95th percentile per-packet one-way delay: 19.611 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.08%
```

Run 8: Report of PCC-Vivace — Data Link

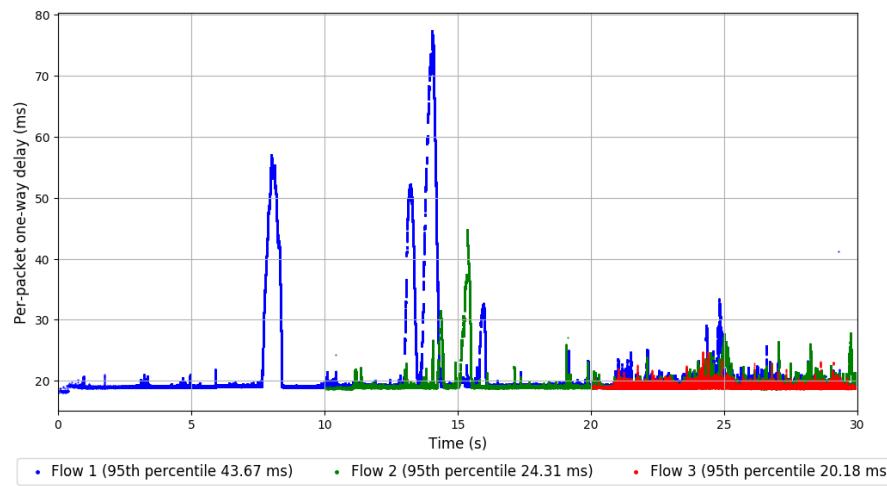
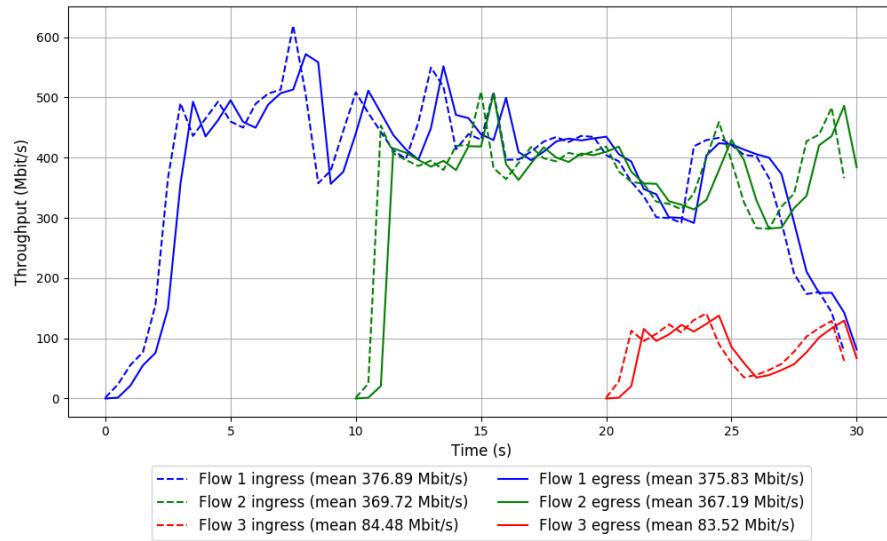


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-05 15:01:49
End at: 2018-06-05 15:02:19
Local clock offset: 0.348 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.60 Mbit/s
95th percentile per-packet one-way delay: 31.699 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 375.83 Mbit/s
95th percentile per-packet one-way delay: 43.674 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 367.19 Mbit/s
95th percentile per-packet one-way delay: 24.313 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 1.14%
```

Run 9: Report of PCC-Vivace — Data Link

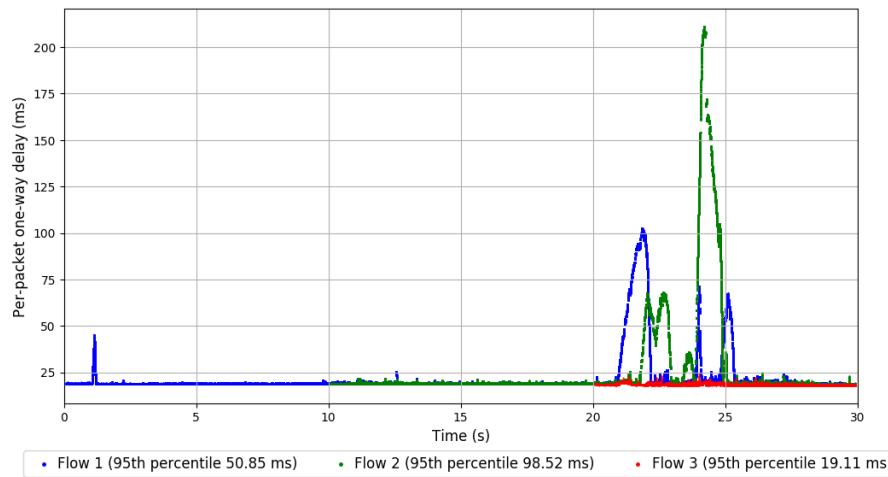
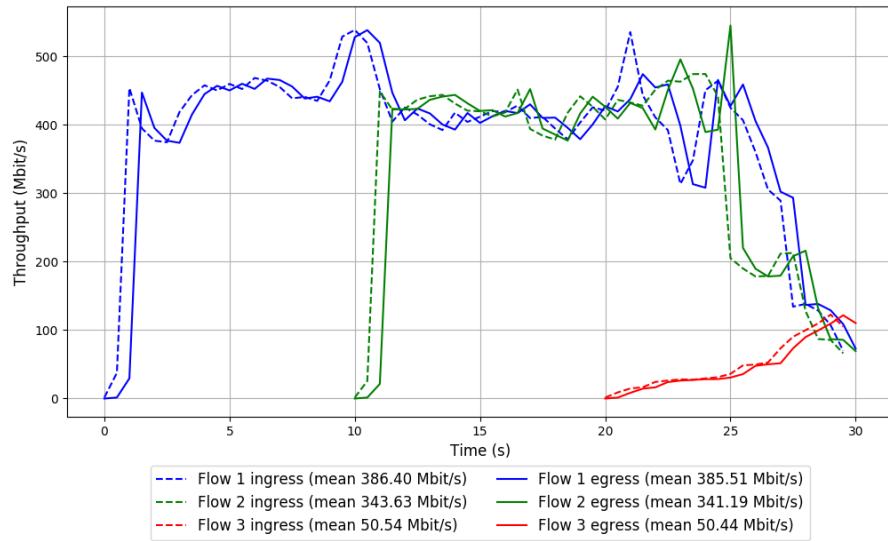


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-05 15:27:23
End at: 2018-06-05 15:27:53
Local clock offset: 0.216 ms
Remote clock offset: 0.23 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 629.09 Mbit/s
95th percentile per-packet one-way delay: 63.080 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 385.51 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 341.19 Mbit/s
95th percentile per-packet one-way delay: 98.524 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.19%
```

Run 10: Report of PCC-Vivace — Data Link

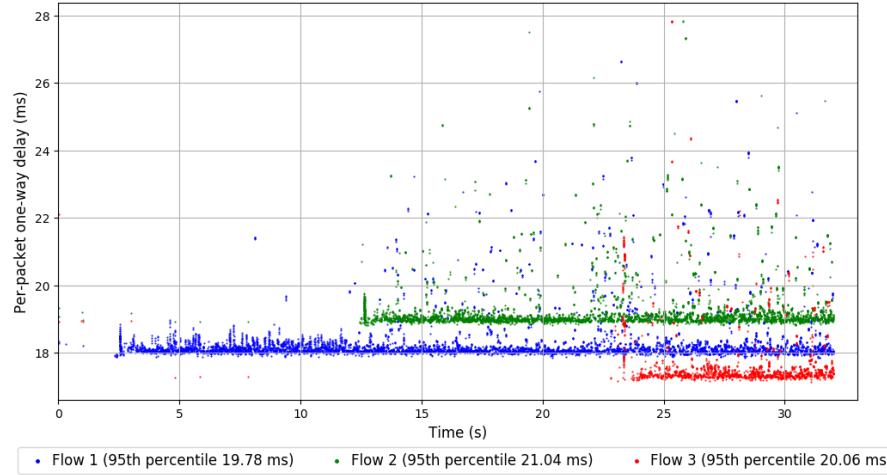
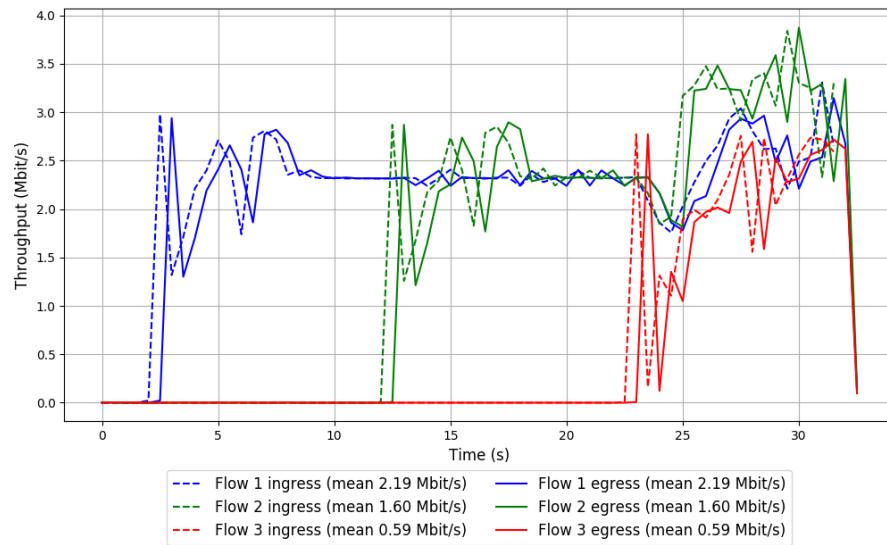


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 11:34:12
End at: 2018-06-05 11:34:42
Local clock offset: 0.255 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 20.379 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 21.042 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.058 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

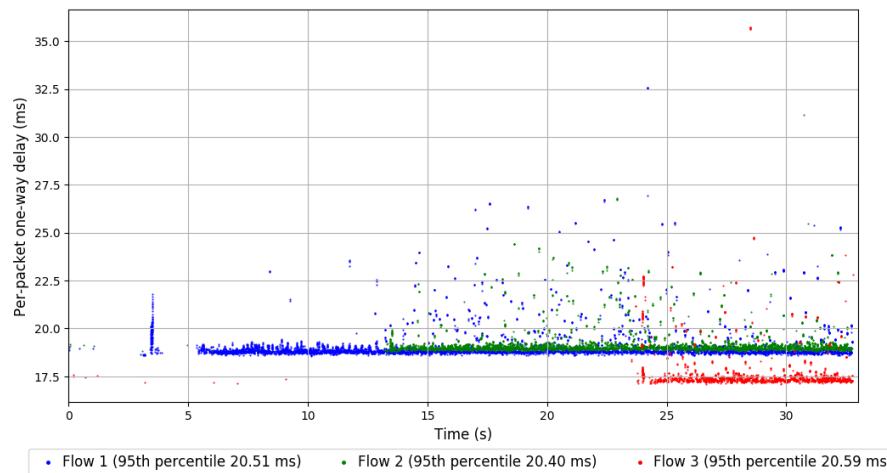
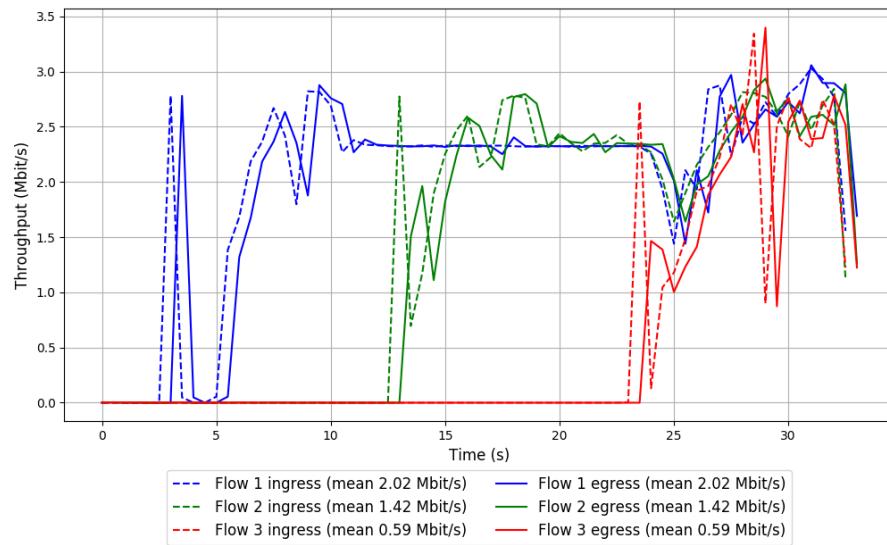


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-05 11:59:54
End at: 2018-06-05 12:00:24
Local clock offset: 0.23 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 20.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 20.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.586 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

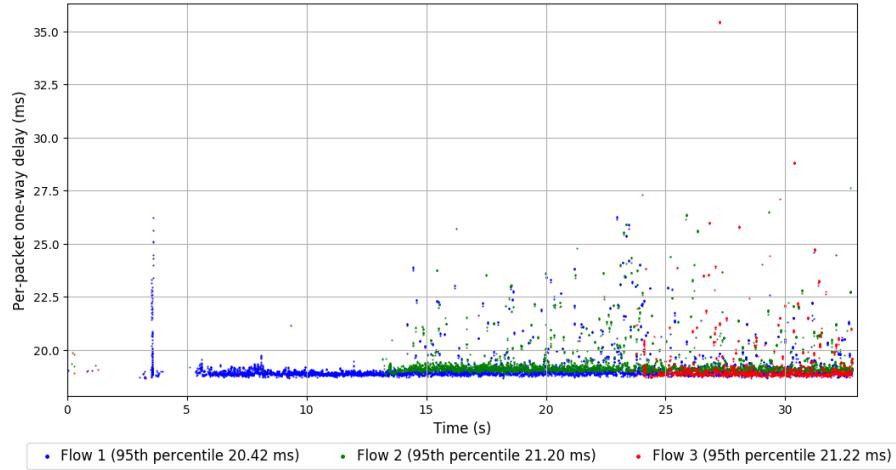
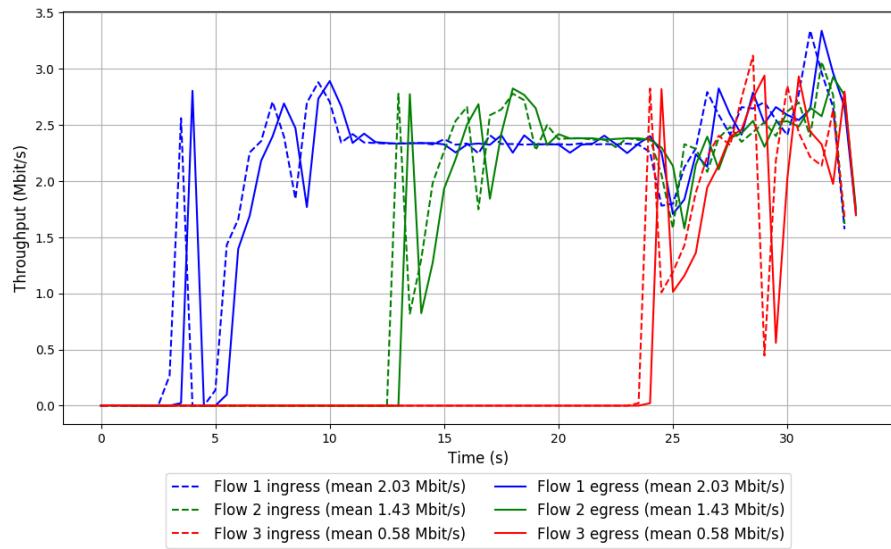


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-05 12:25:35
End at: 2018-06-05 12:26:05
Local clock offset: 0.195 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 20.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 20.417 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 21.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

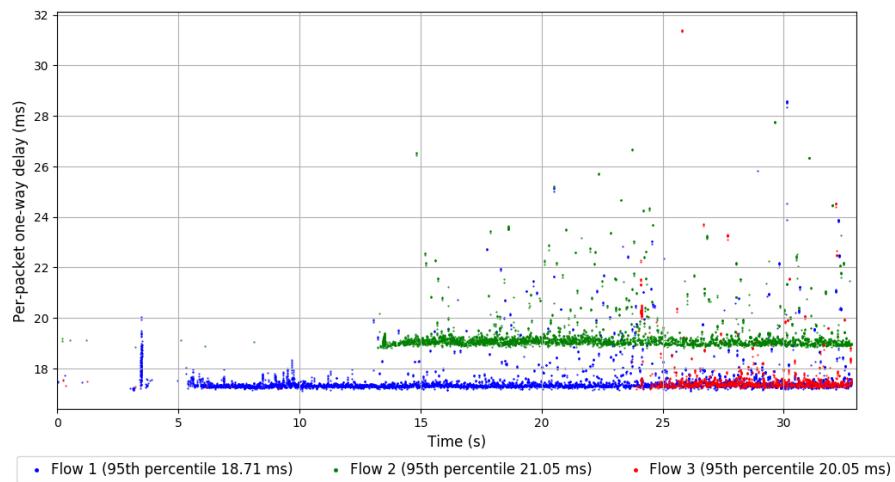
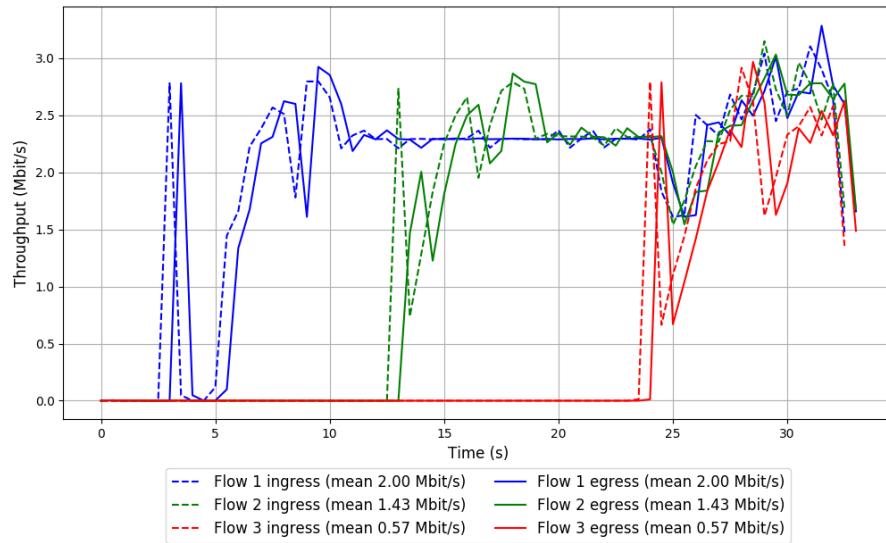


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-05 12:50:59
End at: 2018-06-05 12:51:29
Local clock offset: 0.184 ms
Remote clock offset: -0.621 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 20.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 18.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 21.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 20.054 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

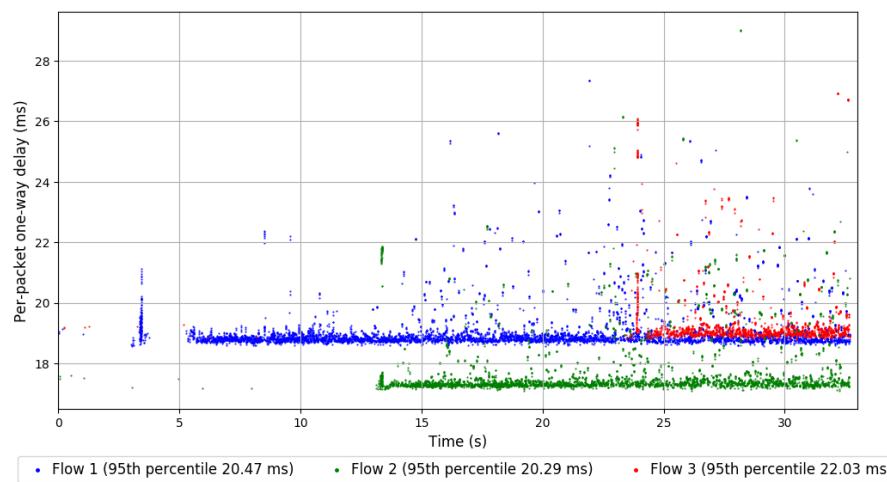
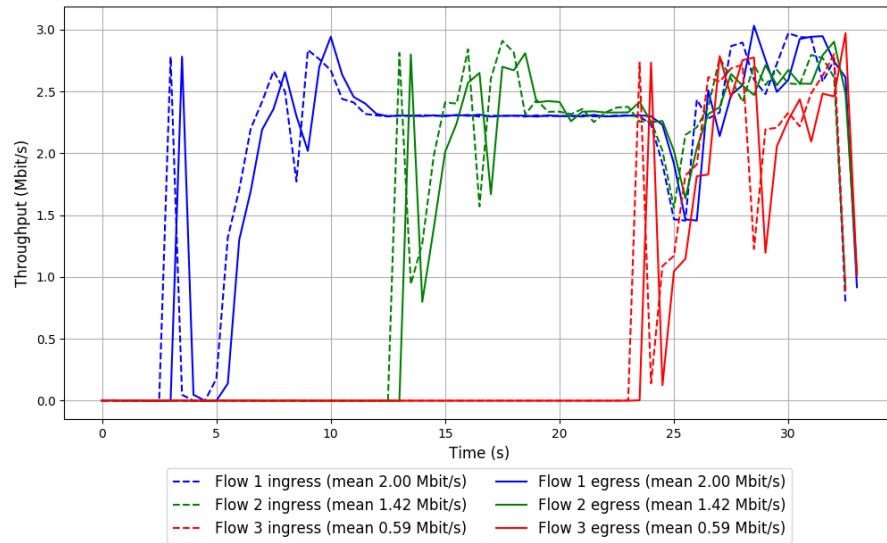


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-05 13:16:42
End at: 2018-06-05 13:17:12
Local clock offset: 0.273 ms
Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 20.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 20.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 22.030 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

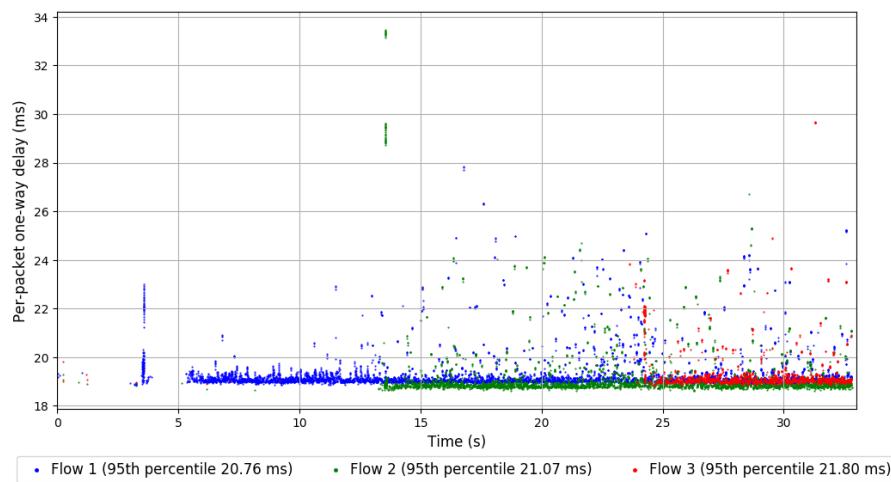
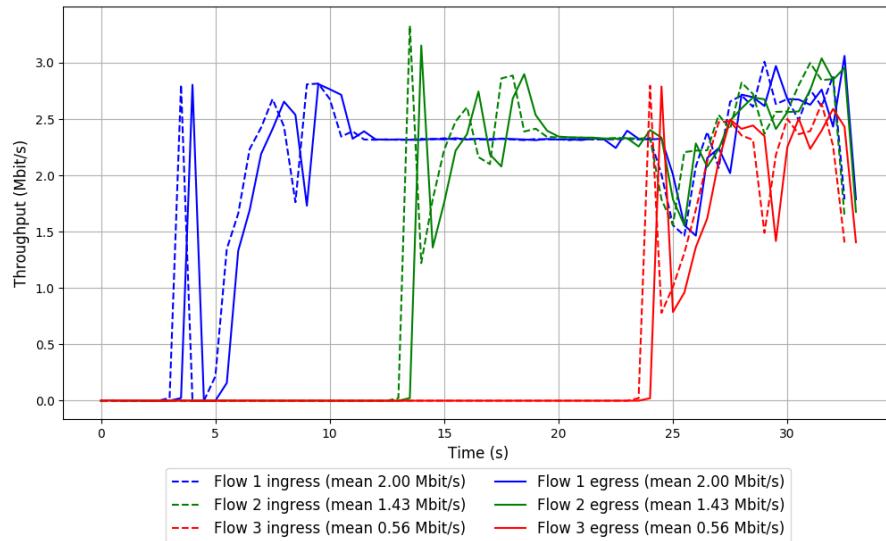


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-05 13:42:10
End at: 2018-06-05 13:42:40
Local clock offset: 0.307 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 21.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 20.760 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: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21.803 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

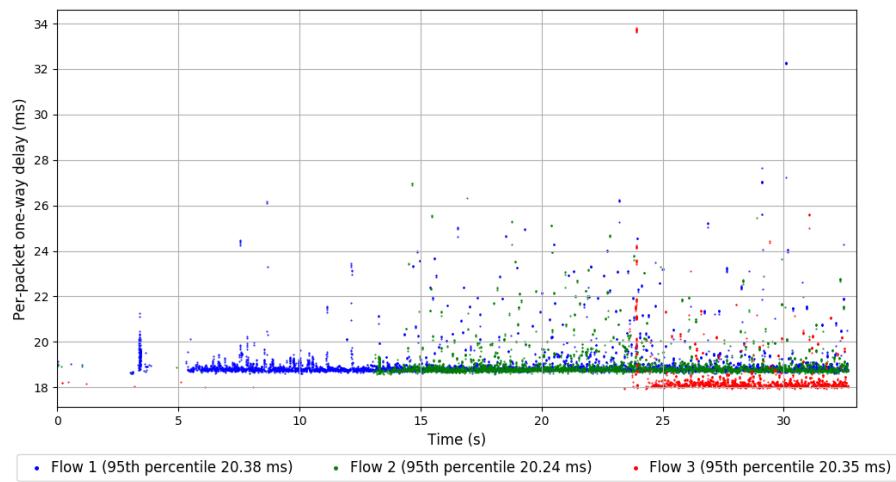
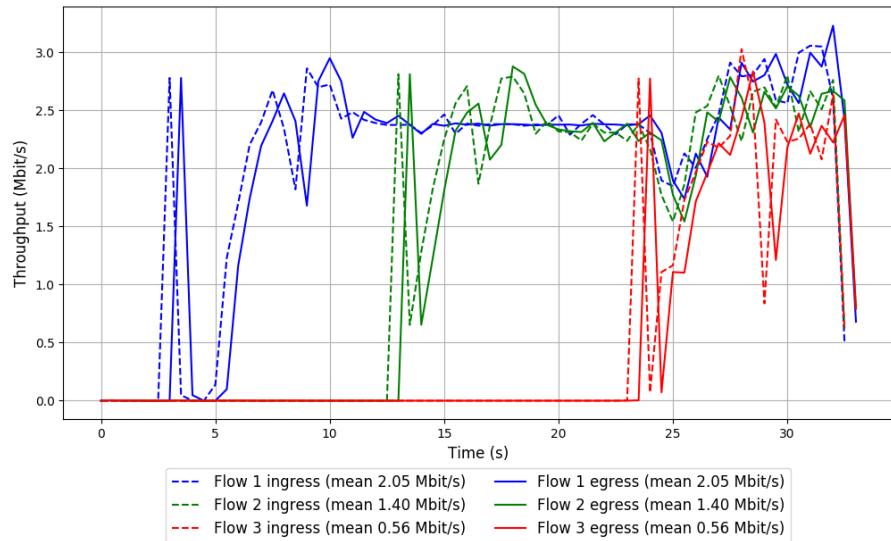


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-05 14:07:56
End at: 2018-06-05 14:08:26
Local clock offset: 0.444 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 20.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 20.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 20.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.353 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

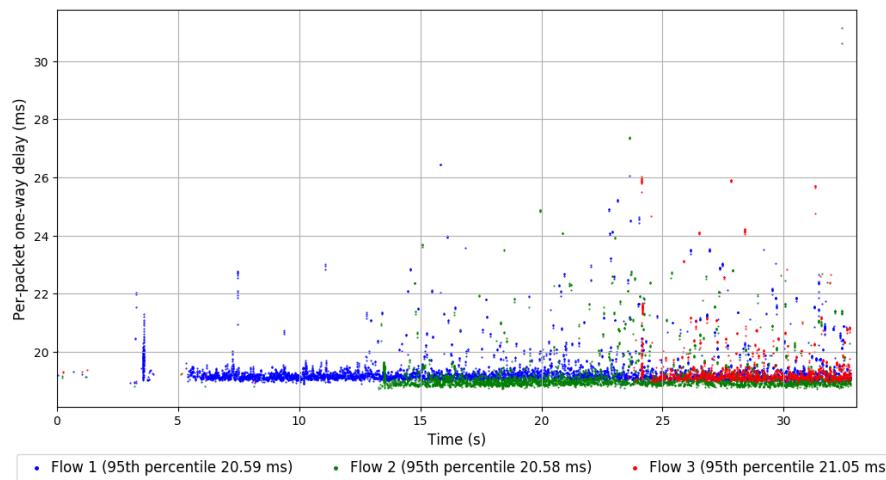
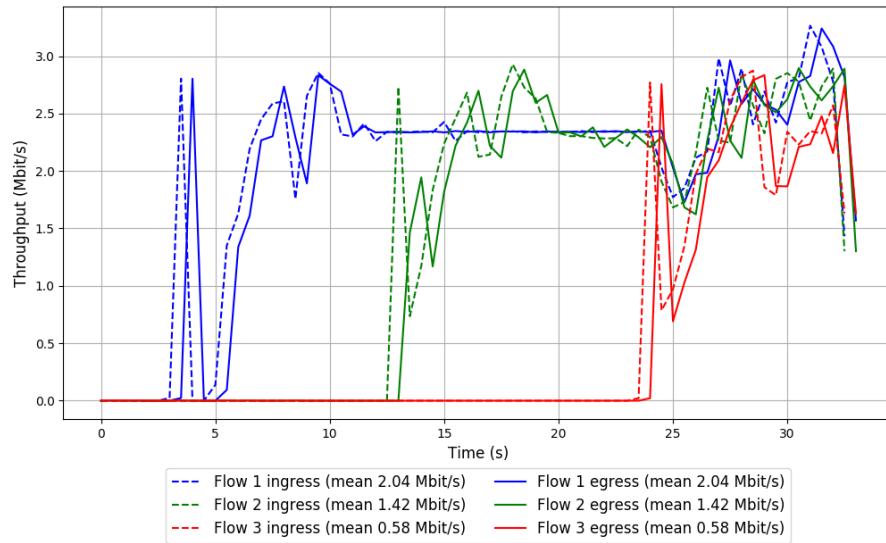


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-05 14:33:18
End at: 2018-06-05 14:33:48
Local clock offset: 0.189 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 20.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 20.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 21.052 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

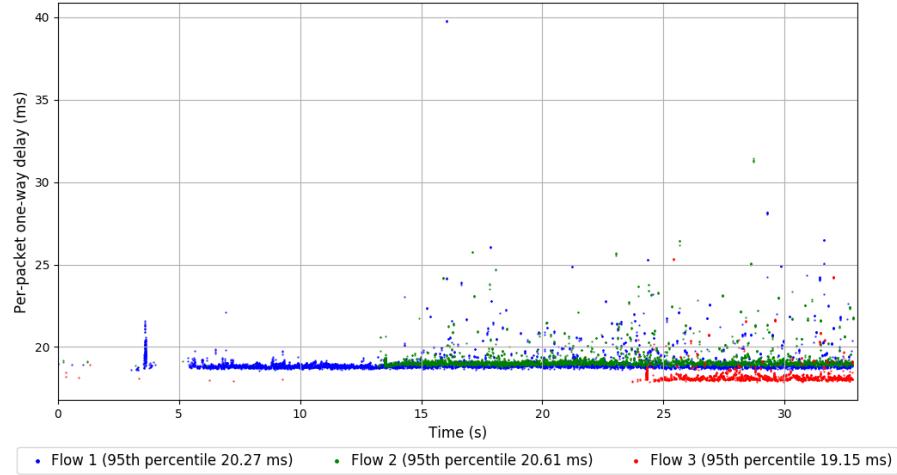
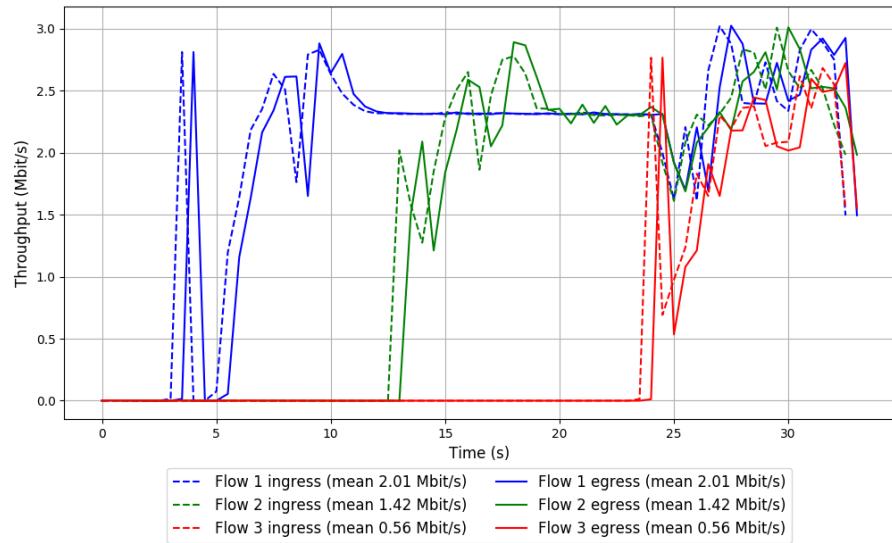


```
Run 9: Statistics of WebRTC media

Start at: 2018-06-05 14:59:12
End at: 2018-06-05 14:59:42
Local clock offset: 0.385 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 20.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 20.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-05 15:24:46
End at: 2018-06-05 15:25:16
Local clock offset: 0.374 ms
Remote clock offset: 0.221 ms

# Below is generated by plot.py at 2018-06-05 18:03:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 19.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 19.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 20.174 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

