

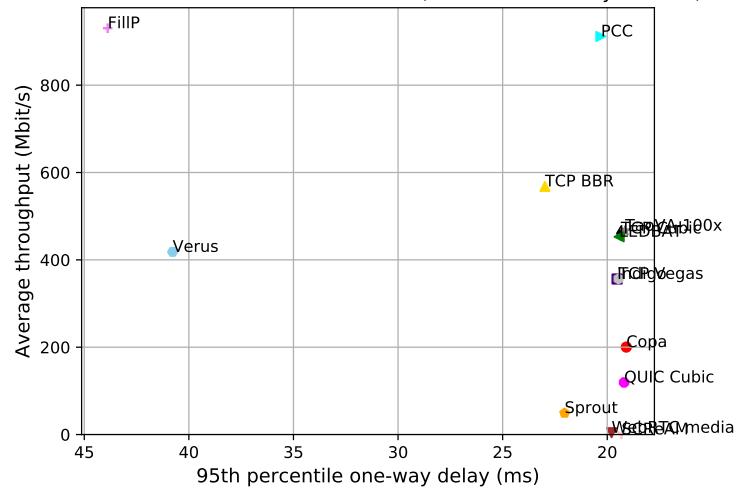
Pantheon Report

Generated at 2017-12-20 16:00:39 (UTC).
Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).
Repeated the test of 14 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).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

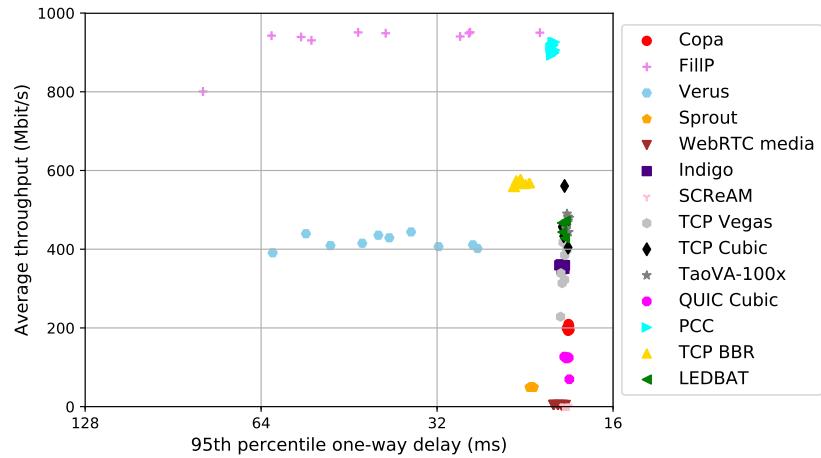
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



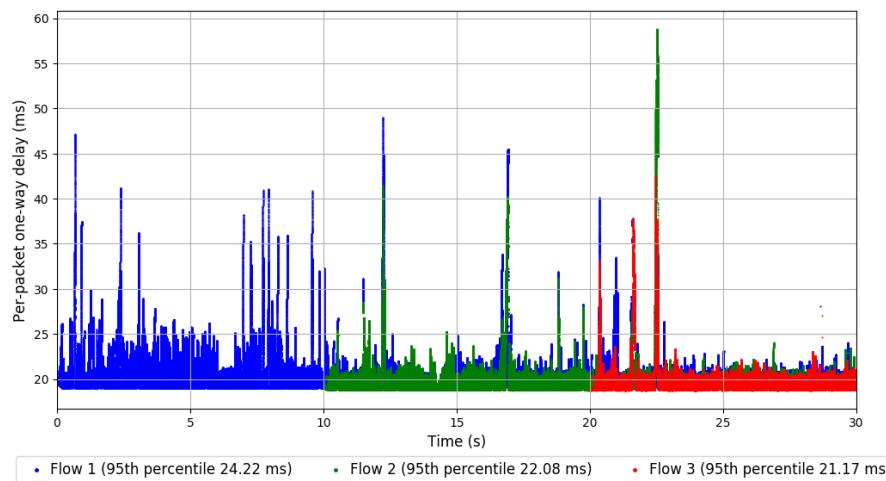
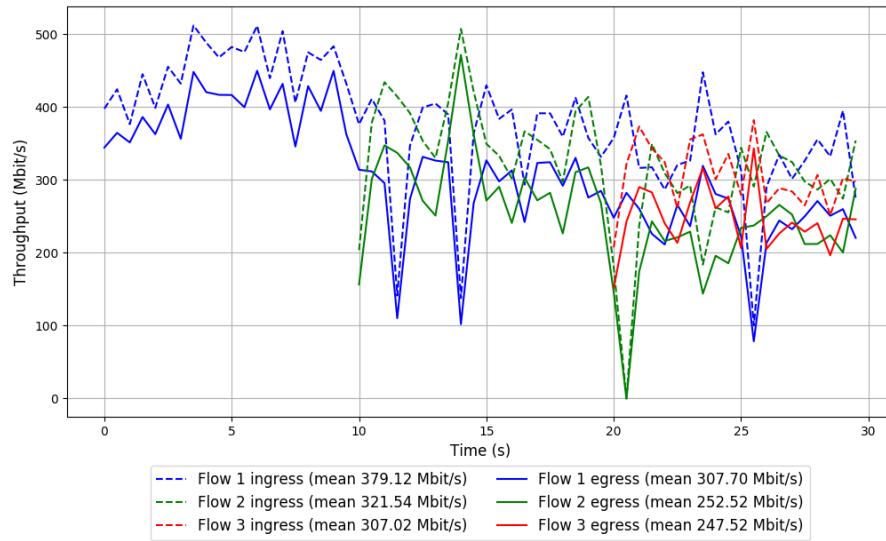
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	311.20	264.51	243.51	23.73	21.79	20.90	16.56	20.49	22.60
TCP Cubic		267.22	178.86	189.09	19.15	19.33	19.39	0.07	0.10	0.12
LEDBAT		262.27	209.11	154.93	19.38	19.48	19.14	0.02	0.03	0.05
PCC		781.74	151.15	89.26	20.30	20.18	20.28	0.51	0.37	0.45
QUIC Cubic		60.52	61.68	54.48	19.28	19.17	20.09	0.00	0.01	0.01
SCReAM		0.22	0.22	0.22	19.26	19.09	19.27	0.00	0.00	0.00
WebRTC media		2.11	1.46	0.57	19.74	19.88	20.11	0.00	0.00	0.02
Sprout		24.73	24.68	24.44	22.13	21.81	21.65	0.02	0.02	0.05
TaoVA-100x		242.81	241.30	243.57	18.71	18.85	19.20	0.00	0.01	0.01
TCP Vegas		148.26	193.81	187.41	601.29	19.29	19.36	0.05	0.11	0.14
Verus		215.50	218.63	179.22	47.06	30.39	27.22	20.42	20.99	20.25
Copa		100.88	101.47	114.56	19.04	18.83	19.05	0.00	0.01	0.01
FillP		577.79	403.73	254.07	52.88	27.92	26.14	9.42	14.20	16.18
Indigo		187.51	175.10	163.52	19.45	19.52	19.60	0.01	0.01	0.03

Run 1: Statistics of TCP BBR

```
Start at: 2017-12-20 08:40:31
End at: 2017-12-20 08:41:01
Local clock offset: 0.945 ms
Remote clock offset: -0.79 ms

# Below is generated by plot.py at 2017-12-20 14:29:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.02 Mbit/s
95th percentile per-packet one-way delay: 23.557 ms
Loss rate: 19.72%
-- Flow 1:
Average throughput: 307.70 Mbit/s
95th percentile per-packet one-way delay: 24.222 ms
Loss rate: 18.84%
-- Flow 2:
Average throughput: 252.52 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 21.46%
-- Flow 3:
Average throughput: 247.52 Mbit/s
95th percentile per-packet one-way delay: 21.167 ms
Loss rate: 19.37%
```

Run 1: Report of TCP BBR — Data Link

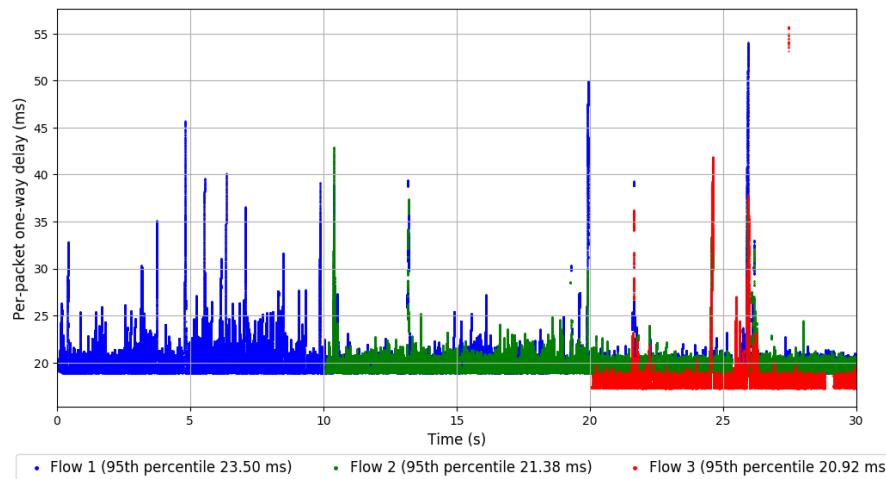
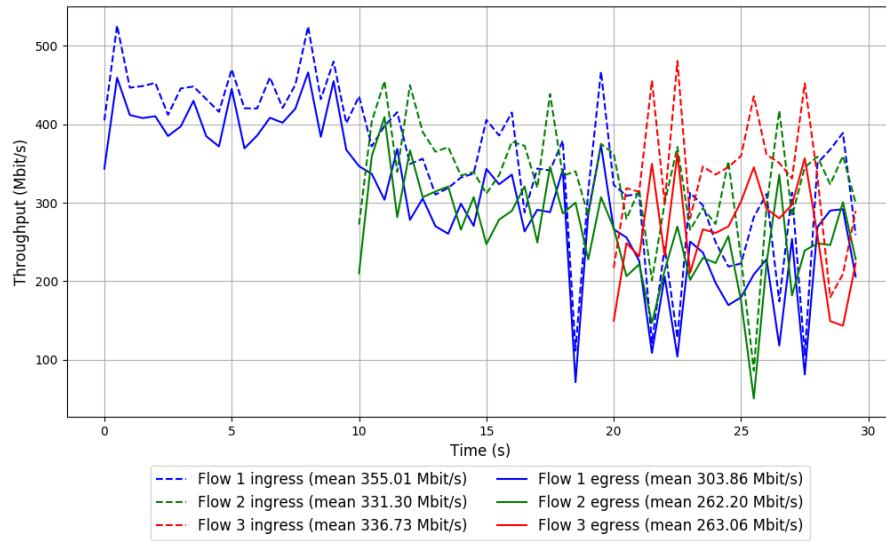


Run 2: Statistics of TCP BBR

```
Start at: 2017-12-20 09:02:10
End at: 2017-12-20 09:02:40
Local clock offset: 0.93 ms
Remote clock offset: -0.749 ms

# Below is generated by plot.py at 2017-12-20 14:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 565.70 Mbit/s
95th percentile per-packet one-way delay: 22.589 ms
Loss rate: 17.69%
-- Flow 1:
Average throughput: 303.86 Mbit/s
95th percentile per-packet one-way delay: 23.504 ms
Loss rate: 14.41%
-- Flow 2:
Average throughput: 262.20 Mbit/s
95th percentile per-packet one-way delay: 21.375 ms
Loss rate: 20.86%
-- Flow 3:
Average throughput: 263.06 Mbit/s
95th percentile per-packet one-way delay: 20.919 ms
Loss rate: 21.88%
```

Run 2: Report of TCP BBR — Data Link

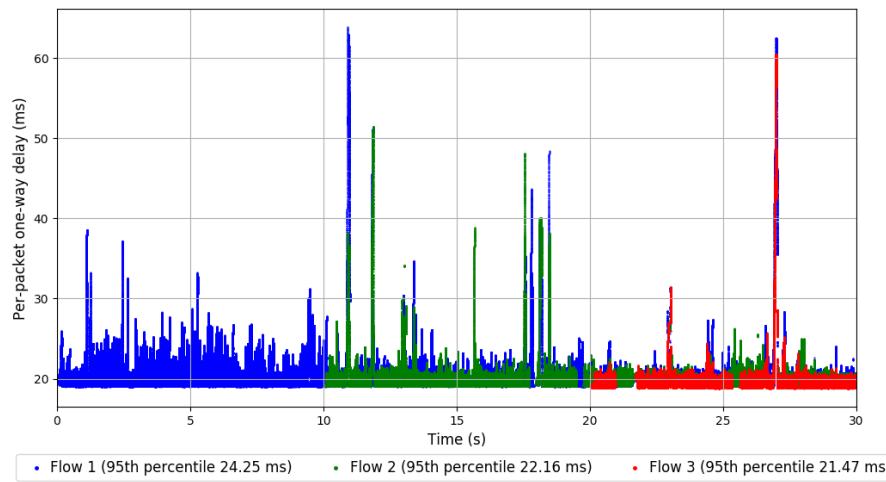
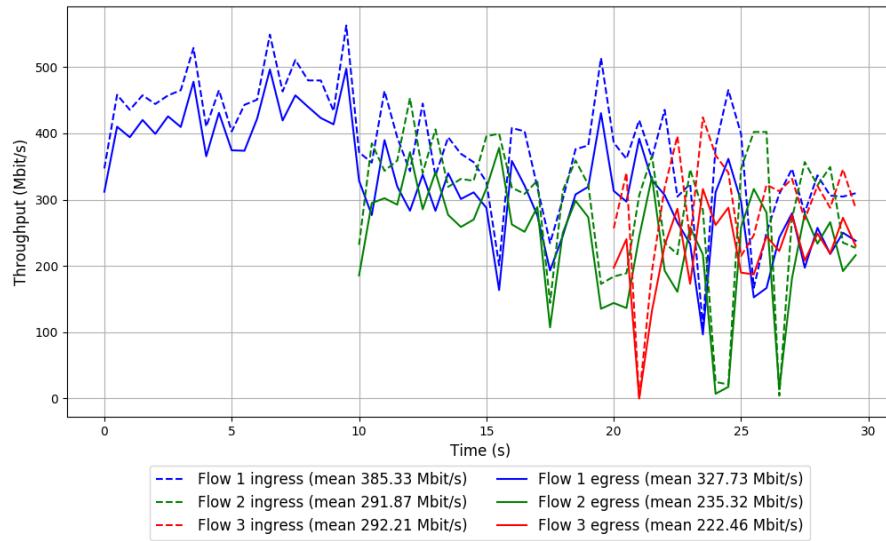


Run 3: Statistics of TCP BBR

```
Start at: 2017-12-20 09:24:00
End at: 2017-12-20 09:24:30
Local clock offset: 0.911 ms
Remote clock offset: -0.97 ms

# Below is generated by plot.py at 2017-12-20 14:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 558.28 Mbit/s
95th percentile per-packet one-way delay: 23.724 ms
Loss rate: 17.50%
-- Flow 1:
Average throughput: 327.73 Mbit/s
95th percentile per-packet one-way delay: 24.252 ms
Loss rate: 14.95%
-- Flow 2:
Average throughput: 235.32 Mbit/s
95th percentile per-packet one-way delay: 22.159 ms
Loss rate: 19.39%
-- Flow 3:
Average throughput: 222.46 Mbit/s
95th percentile per-packet one-way delay: 21.470 ms
Loss rate: 23.88%
```

Run 3: Report of TCP BBR — Data Link

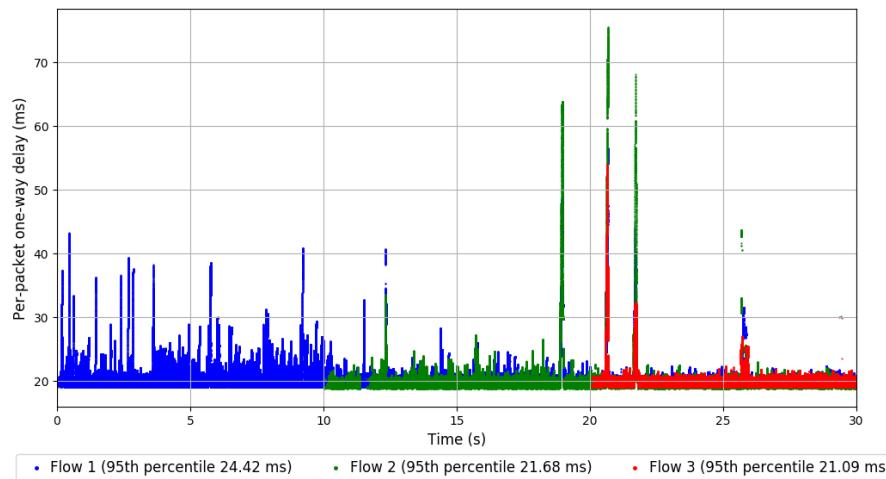
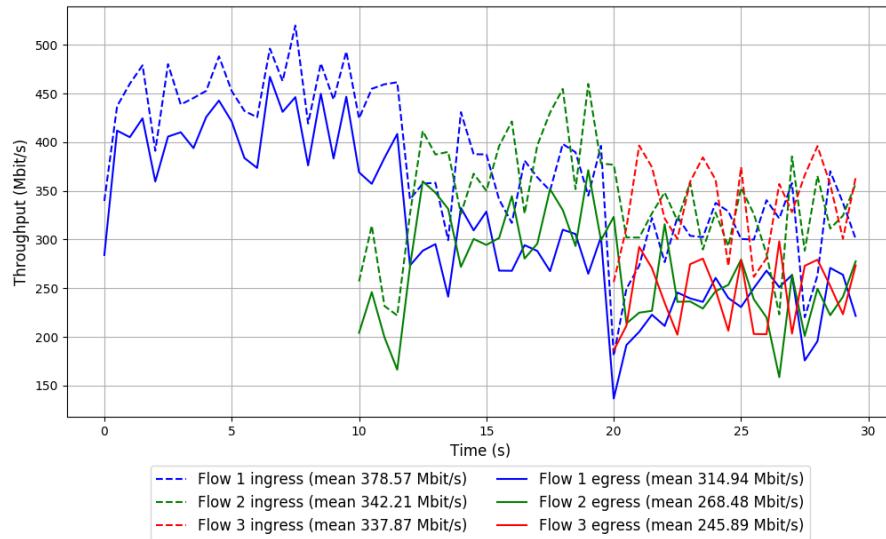


Run 4: Statistics of TCP BBR

```
Start at: 2017-12-20 09:45:47
End at: 2017-12-20 09:46:17
Local clock offset: 0.866 ms
Remote clock offset: -0.959 ms

# Below is generated by plot.py at 2017-12-20 14:30:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 575.42 Mbit/s
95th percentile per-packet one-way delay: 23.434 ms
Loss rate: 19.93%
-- Flow 1:
Average throughput: 314.94 Mbit/s
95th percentile per-packet one-way delay: 24.419 ms
Loss rate: 16.81%
-- Flow 2:
Average throughput: 268.48 Mbit/s
95th percentile per-packet one-way delay: 21.679 ms
Loss rate: 21.54%
-- Flow 3:
Average throughput: 245.89 Mbit/s
95th percentile per-packet one-way delay: 21.090 ms
Loss rate: 27.22%
```

Run 4: Report of TCP BBR — Data Link

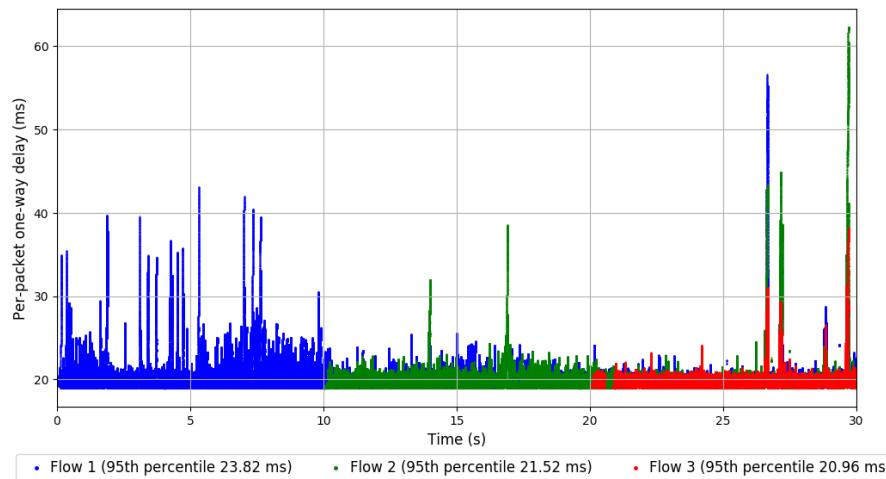
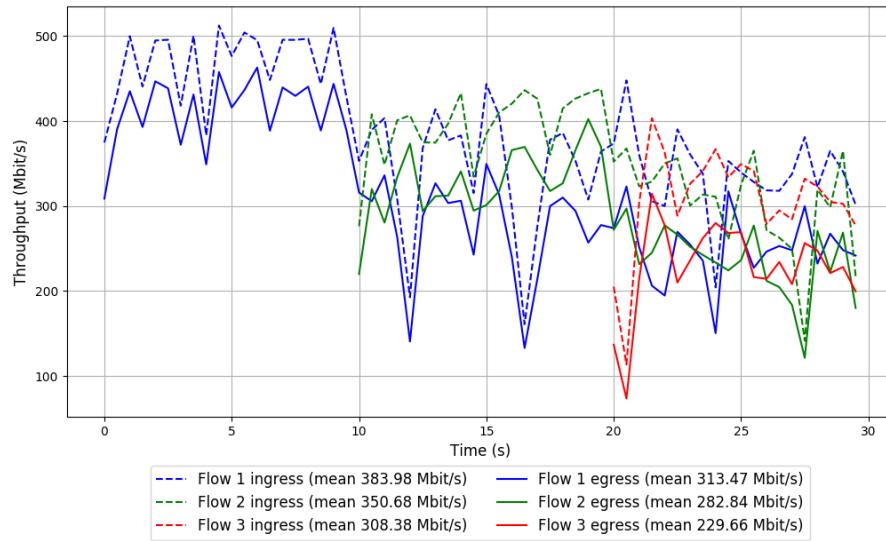


Run 5: Statistics of TCP BBR

```
Start at: 2017-12-20 10:07:31
End at: 2017-12-20 10:08:01
Local clock offset: 0.567 ms
Remote clock offset: -1.094 ms

# Below is generated by plot.py at 2017-12-20 14:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 577.94 Mbit/s
95th percentile per-packet one-way delay: 23.026 ms
Loss rate: 19.70%
-- Flow 1:
Average throughput: 313.47 Mbit/s
95th percentile per-packet one-way delay: 23.821 ms
Loss rate: 18.36%
-- Flow 2:
Average throughput: 282.84 Mbit/s
95th percentile per-packet one-way delay: 21.523 ms
Loss rate: 19.34%
-- Flow 3:
Average throughput: 229.66 Mbit/s
95th percentile per-packet one-way delay: 20.958 ms
Loss rate: 25.52%
```

Run 5: Report of TCP BBR — Data Link

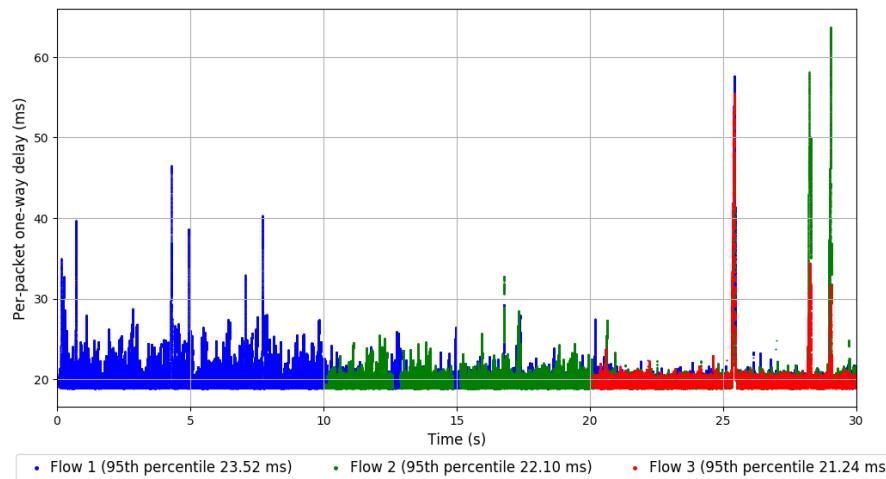
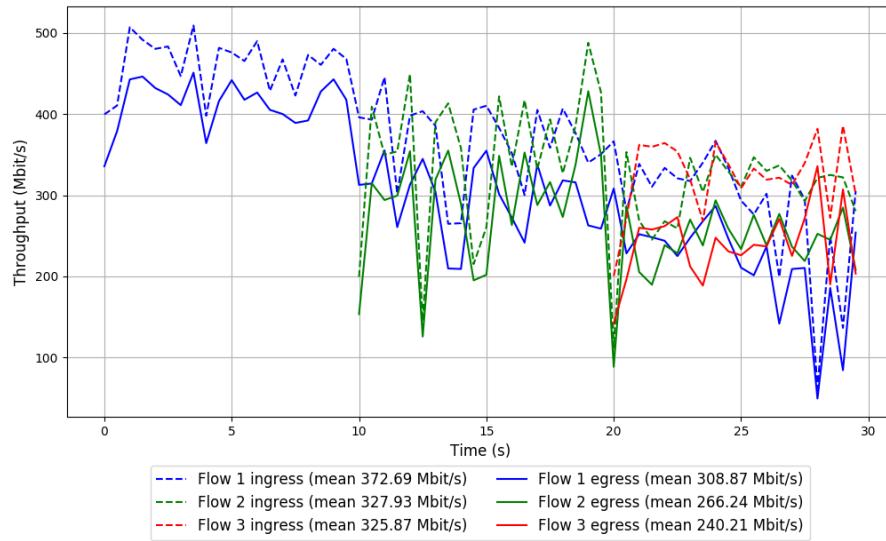


Run 6: Statistics of TCP BBR

```
Start at: 2017-12-20 10:29:24
End at: 2017-12-20 10:29:54
Local clock offset: 0.253 ms
Remote clock offset: -1.324 ms

# Below is generated by plot.py at 2017-12-20 14:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 565.92 Mbit/s
95th percentile per-packet one-way delay: 22.979 ms
Loss rate: 19.06%
-- Flow 1:
Average throughput: 308.87 Mbit/s
95th percentile per-packet one-way delay: 23.523 ms
Loss rate: 17.12%
-- Flow 2:
Average throughput: 266.24 Mbit/s
95th percentile per-packet one-way delay: 22.103 ms
Loss rate: 18.80%
-- Flow 3:
Average throughput: 240.21 Mbit/s
95th percentile per-packet one-way delay: 21.244 ms
Loss rate: 26.29%
```

Run 6: Report of TCP BBR — Data Link

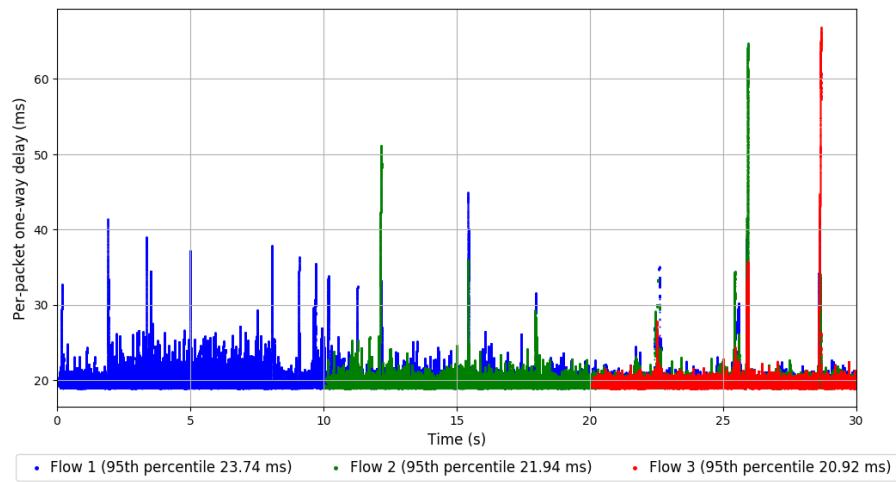
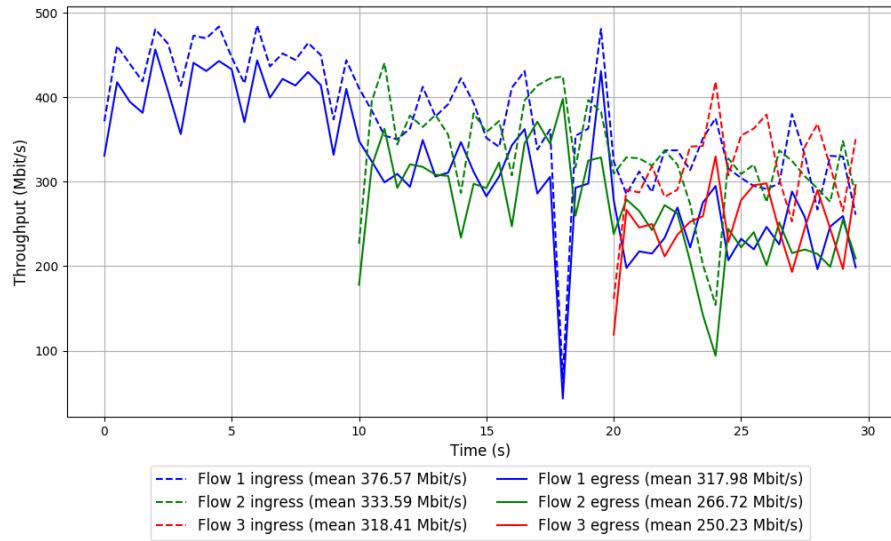


Run 7: Statistics of TCP BBR

```
Start at: 2017-12-20 10:51:25
End at: 2017-12-20 10:51:55
Local clock offset: 0.074 ms
Remote clock offset: -1.043 ms

# Below is generated by plot.py at 2017-12-20 14:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 578.64 Mbit/s
95th percentile per-packet one-way delay: 23.047 ms
Loss rate: 17.85%
-- Flow 1:
Average throughput: 317.98 Mbit/s
95th percentile per-packet one-way delay: 23.740 ms
Loss rate: 15.56%
-- Flow 2:
Average throughput: 266.72 Mbit/s
95th percentile per-packet one-way delay: 21.940 ms
Loss rate: 20.04%
-- Flow 3:
Average throughput: 250.23 Mbit/s
95th percentile per-packet one-way delay: 20.917 ms
Loss rate: 21.40%
```

Run 7: Report of TCP BBR — Data Link

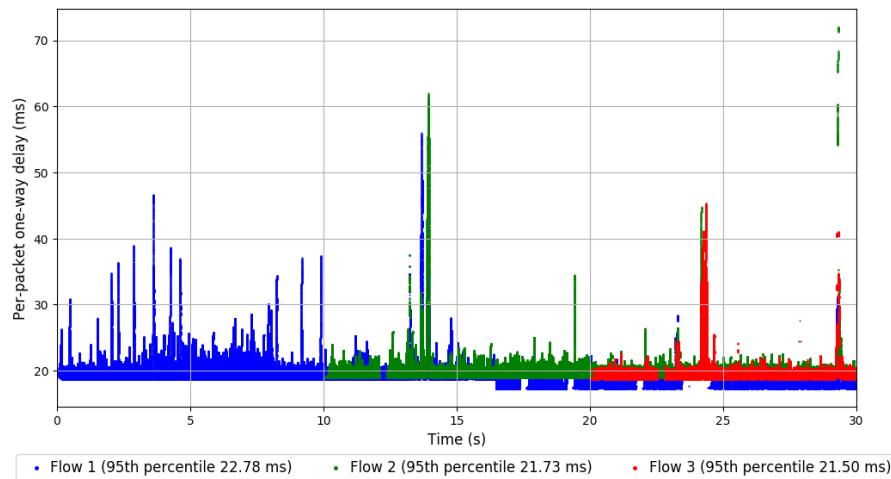
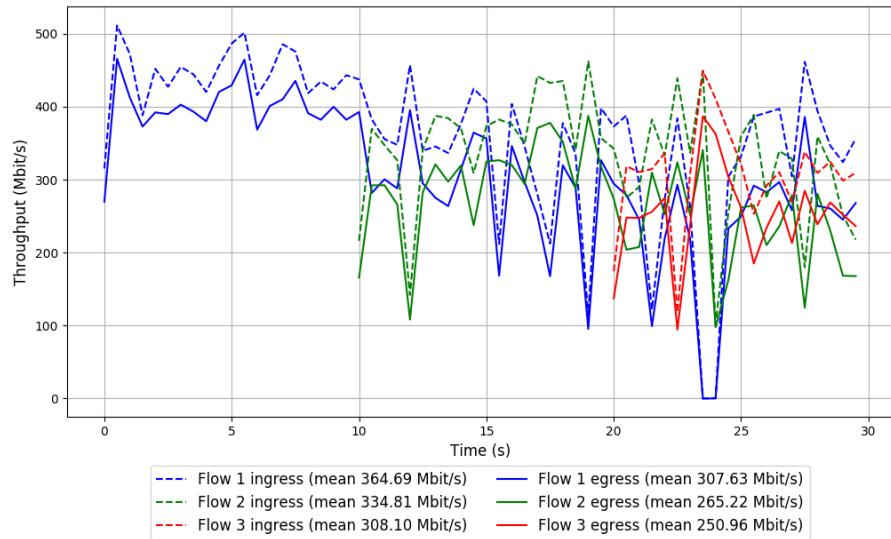


Run 8: Statistics of TCP BBR

```
Start at: 2017-12-20 11:13:15
End at: 2017-12-20 11:13:45
Local clock offset: -0.083 ms
Remote clock offset: -1.194 ms

# Below is generated by plot.py at 2017-12-20 14:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 567.51 Mbit/s
95th percentile per-packet one-way delay: 22.289 ms
Loss rate: 17.74%
-- Flow 1:
Average throughput: 307.63 Mbit/s
95th percentile per-packet one-way delay: 22.782 ms
Loss rate: 15.65%
-- Flow 2:
Average throughput: 265.22 Mbit/s
95th percentile per-packet one-way delay: 21.729 ms
Loss rate: 20.78%
-- Flow 3:
Average throughput: 250.96 Mbit/s
95th percentile per-packet one-way delay: 21.501 ms
Loss rate: 18.56%
```

Run 8: Report of TCP BBR — Data Link

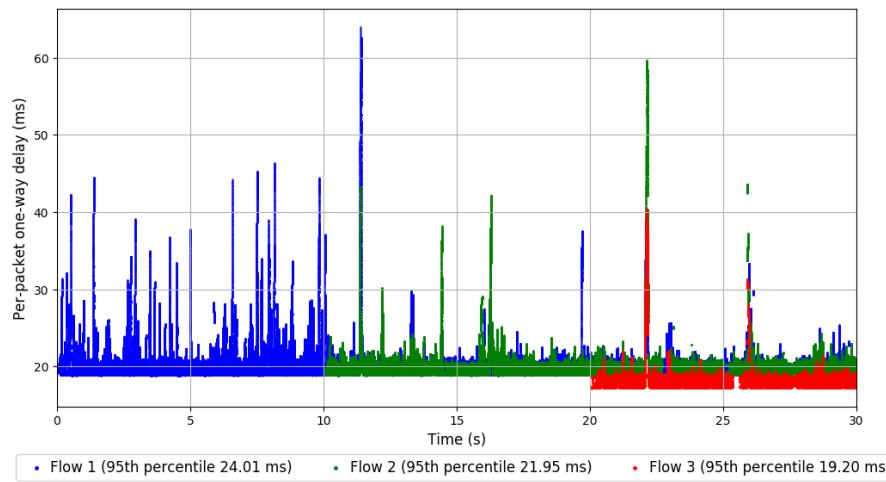
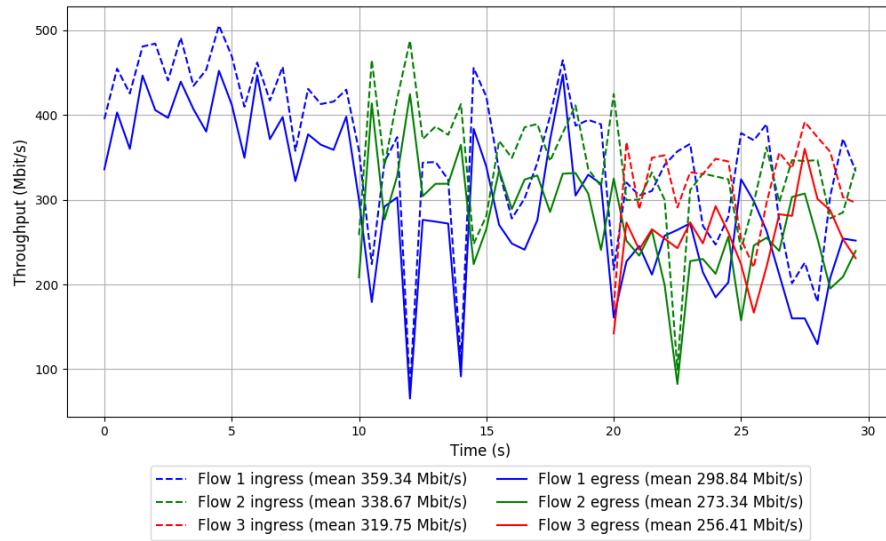


Run 9: Statistics of TCP BBR

```
Start at: 2017-12-20 11:35:02
End at: 2017-12-20 11:35:32
Local clock offset: -0.15 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at 2017-12-20 14:37:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.02 Mbit/s
95th percentile per-packet one-way delay: 22.931 ms
Loss rate: 18.09%
-- Flow 1:
Average throughput: 298.84 Mbit/s
95th percentile per-packet one-way delay: 24.012 ms
Loss rate: 16.83%
-- Flow 2:
Average throughput: 273.34 Mbit/s
95th percentile per-packet one-way delay: 21.949 ms
Loss rate: 19.29%
-- Flow 3:
Average throughput: 256.41 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 19.80%
```

Run 9: Report of TCP BBR — Data Link

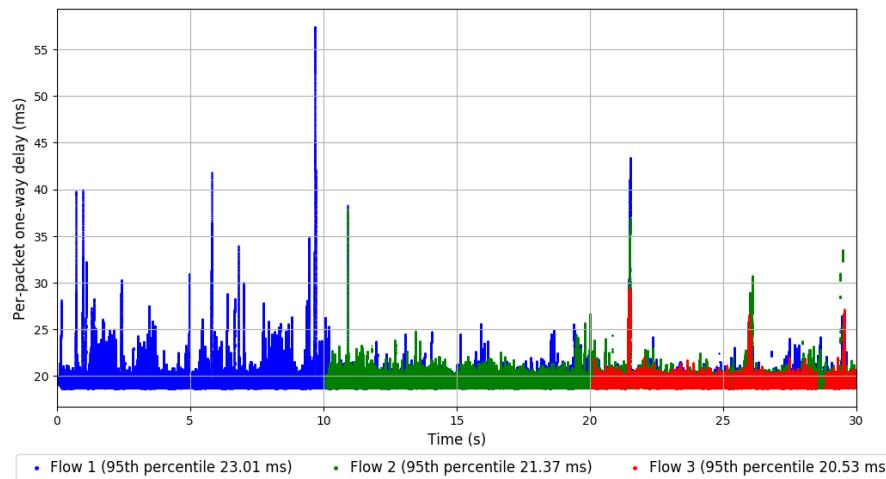
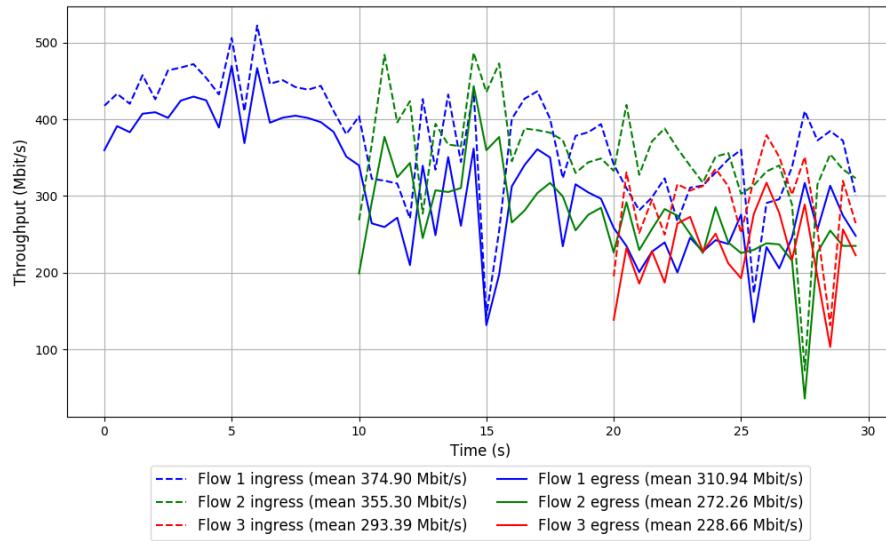


Run 10: Statistics of TCP BBR

```
Start at: 2017-12-20 11:57:08
End at: 2017-12-20 11:57:38
Local clock offset: -0.185 ms
Remote clock offset: -2.066 ms

# Below is generated by plot.py at 2017-12-20 14:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 568.10 Mbit/s
95th percentile per-packet one-way delay: 22.201 ms
Loss rate: 19.85%
-- Flow 1:
Average throughput: 310.94 Mbit/s
95th percentile per-packet one-way delay: 23.012 ms
Loss rate: 17.06%
-- Flow 2:
Average throughput: 272.26 Mbit/s
95th percentile per-packet one-way delay: 21.369 ms
Loss rate: 23.37%
-- Flow 3:
Average throughput: 228.66 Mbit/s
95th percentile per-packet one-way delay: 20.534 ms
Loss rate: 22.06%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

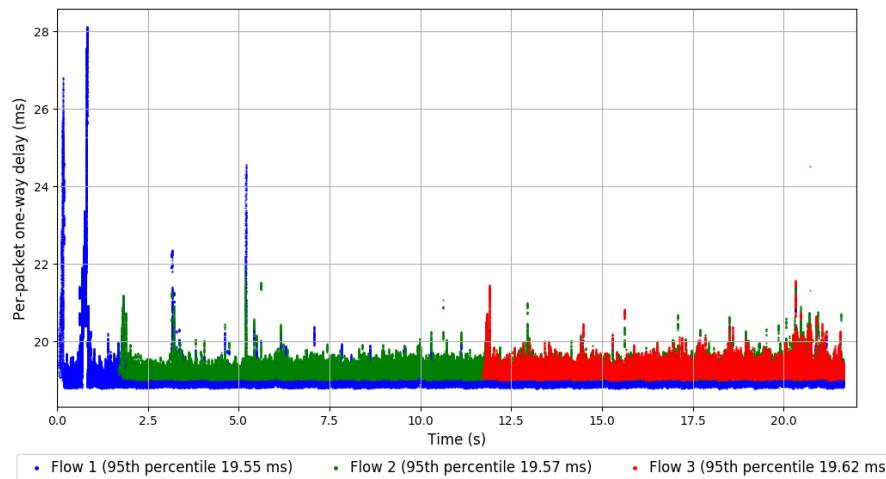
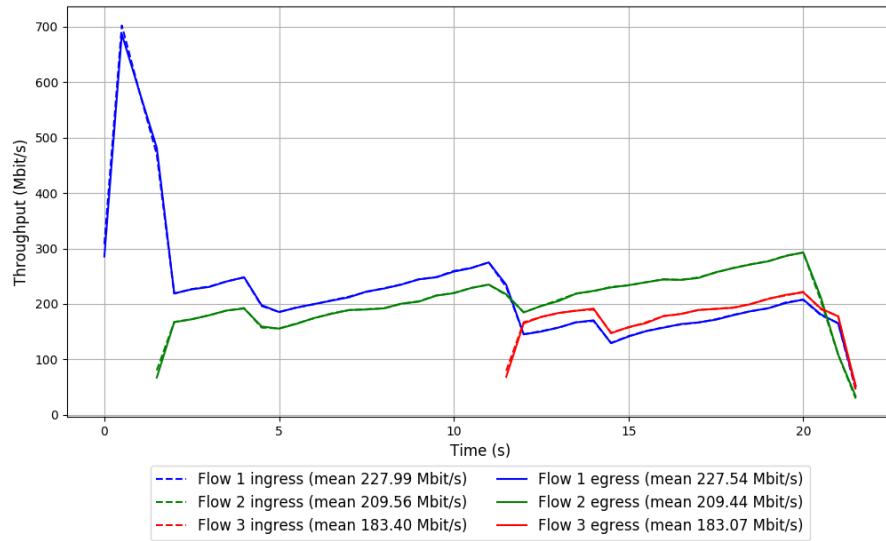
Start at: 2017-12-20 08:43:26

End at: 2017-12-20 08:43:56

Local clock offset: 0.93 ms

Remote clock offset: -0.726 ms

Run 1: Report of TCP Cubic — Data Link

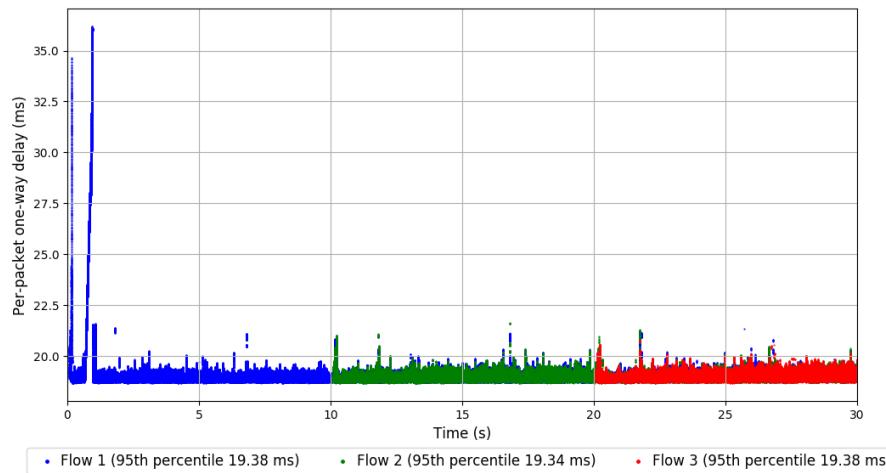
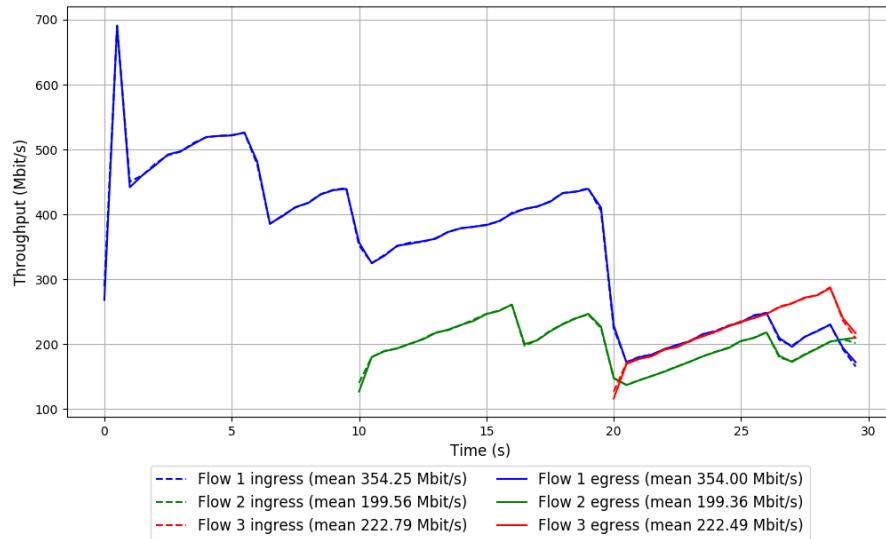


Run 2: Statistics of TCP Cubic

```
Start at: 2017-12-20 09:05:04
End at: 2017-12-20 09:05:34
Local clock offset: 0.938 ms
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2017-12-20 14:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 560.65 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 354.00 Mbit/s
95th percentile per-packet one-way delay: 19.378 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 199.36 Mbit/s
95th percentile per-packet one-way delay: 19.342 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 222.49 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.13%
```

Run 2: Report of TCP Cubic — Data Link

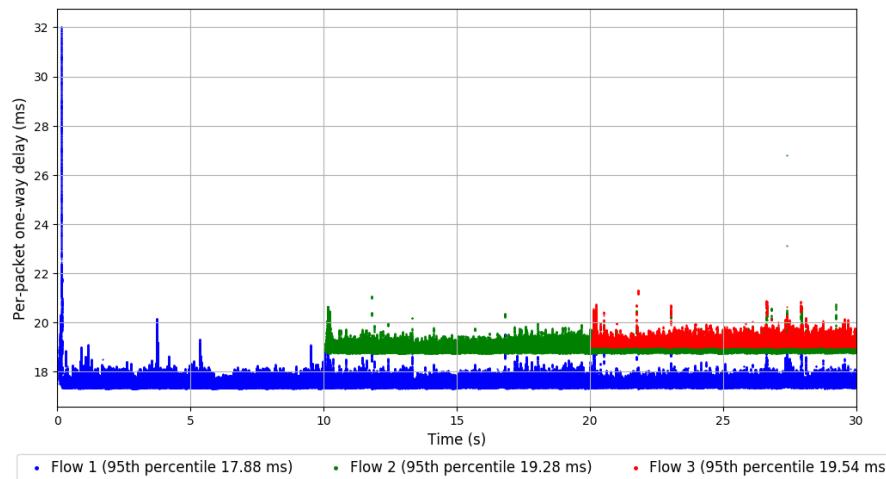
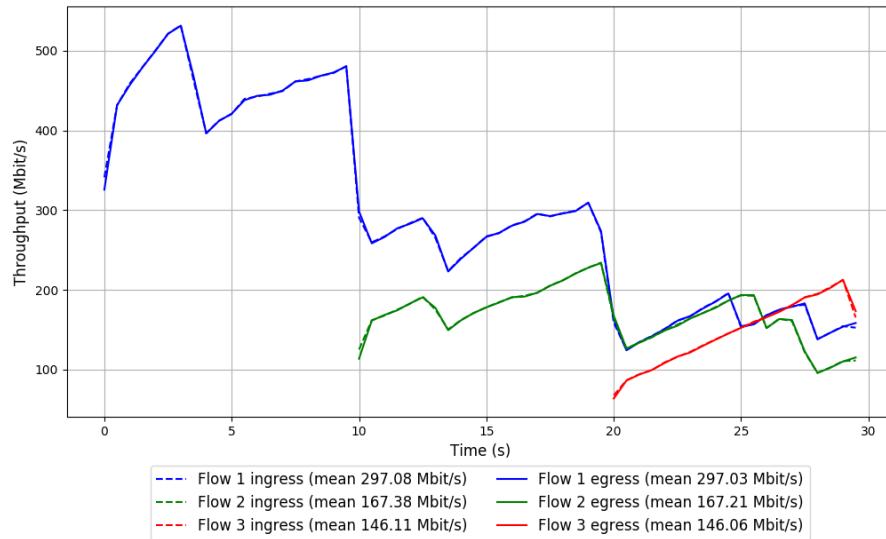


Run 3: Statistics of TCP Cubic

```
Start at: 2017-12-20 09:26:54
End at: 2017-12-20 09:27:24
Local clock offset: 1.019 ms
Remote clock offset: -0.951 ms

# Below is generated by plot.py at 2017-12-20 14:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.87 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 297.03 Mbit/s
95th percentile per-packet one-way delay: 17.877 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 19.284 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 146.06 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.03%
```

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

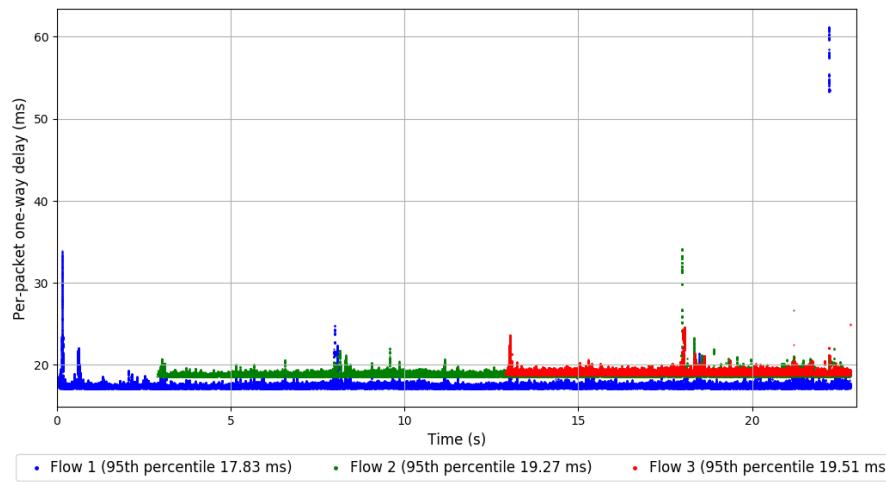
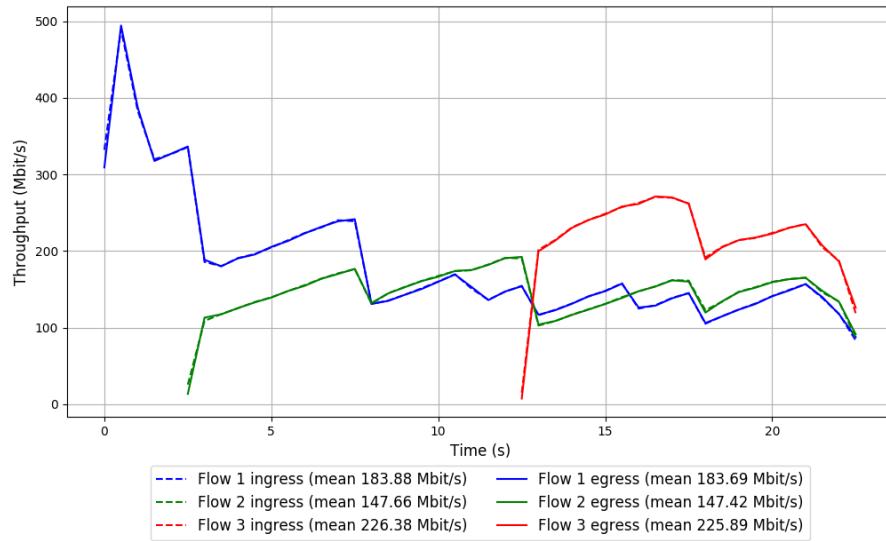
Start at: 2017-12-20 09:48:43

End at: 2017-12-20 09:49:13

Local clock offset: 0.954 ms

Remote clock offset: -1.05 ms

Run 4: Report of TCP Cubic — Data Link

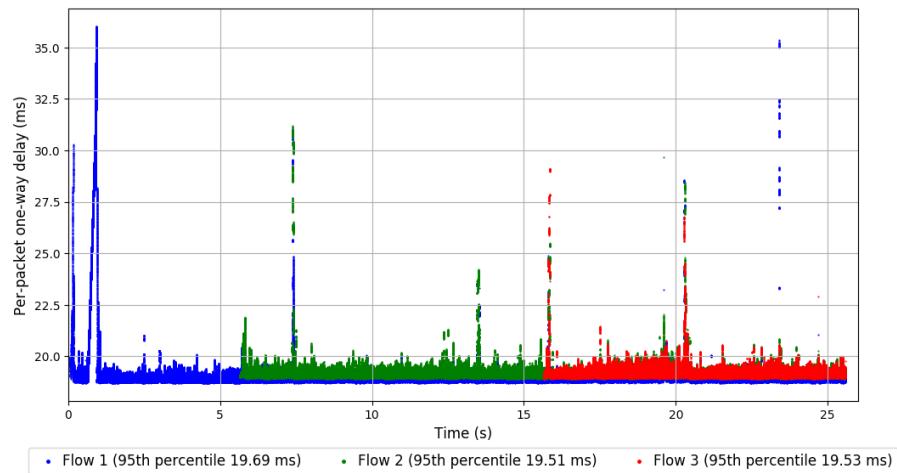
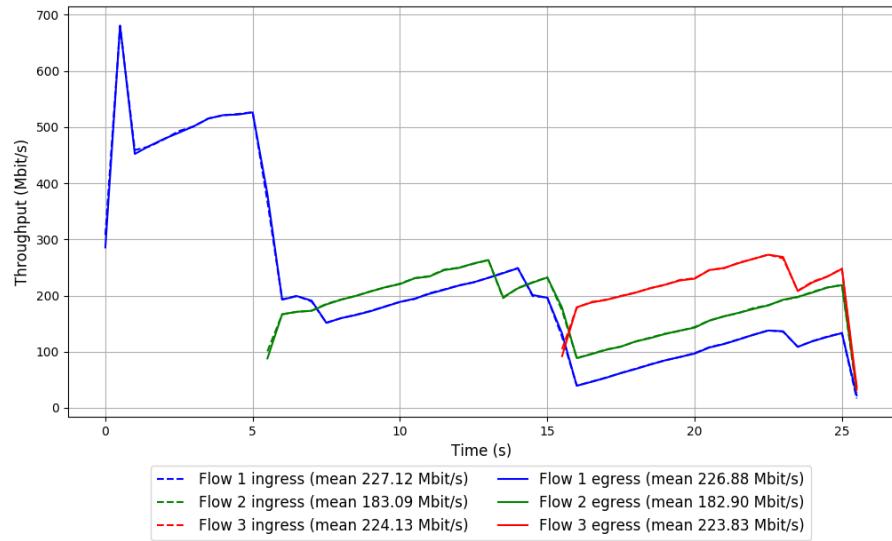


Run 5: Statistics of TCP Cubic

```
Start at: 2017-12-20 10:10:26
End at: 2017-12-20 10:10:56
Local clock offset: 0.534 ms
Remote clock offset: -1.188 ms

# Below is generated by plot.py at 2017-12-20 14:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 456.82 Mbit/s
95th percentile per-packet one-way delay: 19.541 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 226.88 Mbit/s
95th percentile per-packet one-way delay: 19.693 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 182.90 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 223.83 Mbit/s
95th percentile per-packet one-way delay: 19.528 ms
Loss rate: 0.13%
```

Run 5: Report of TCP Cubic — Data Link

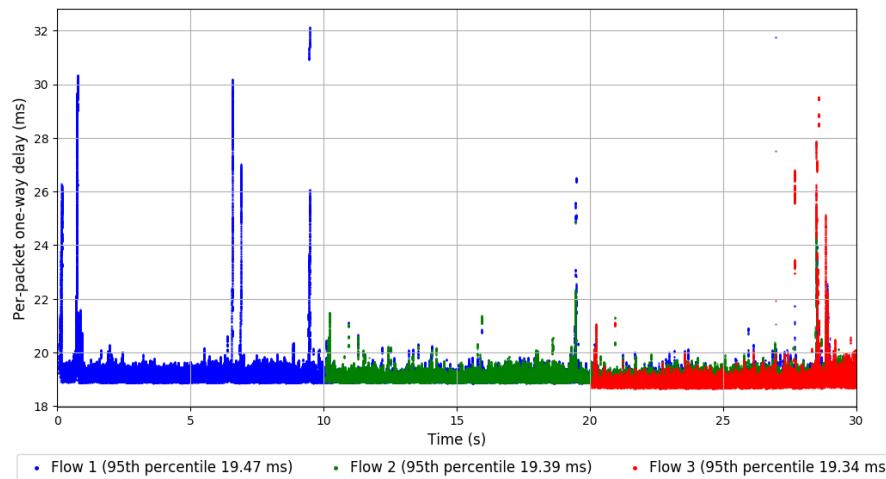
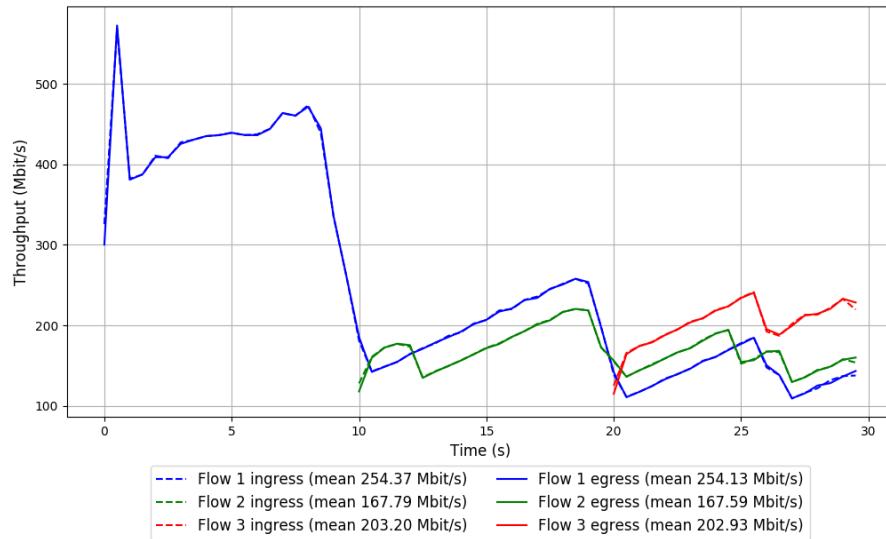


Run 6: Statistics of TCP Cubic

```
Start at: 2017-12-20 10:32:18
End at: 2017-12-20 10:32:48
Local clock offset: 0.307 ms
Remote clock offset: -1.237 ms

# Below is generated by plot.py at 2017-12-20 14:38:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 433.12 Mbit/s
95th percentile per-packet one-way delay: 19.436 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 254.13 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 167.59 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 202.93 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.13%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

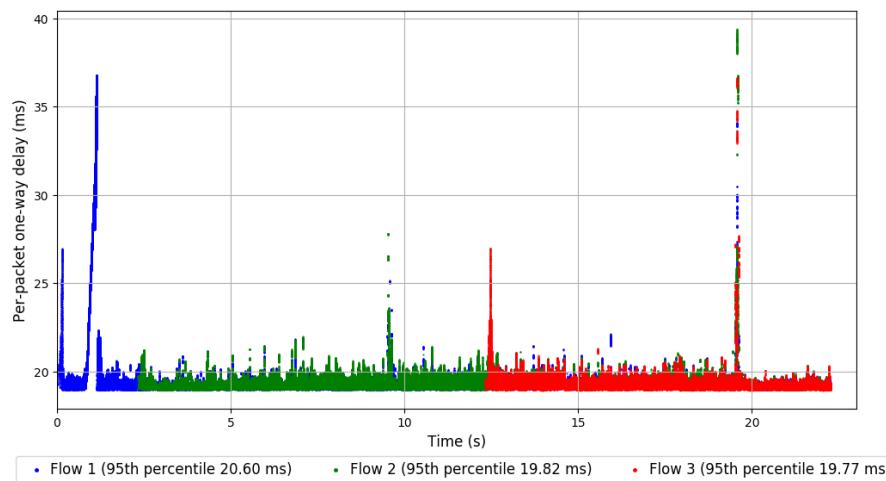
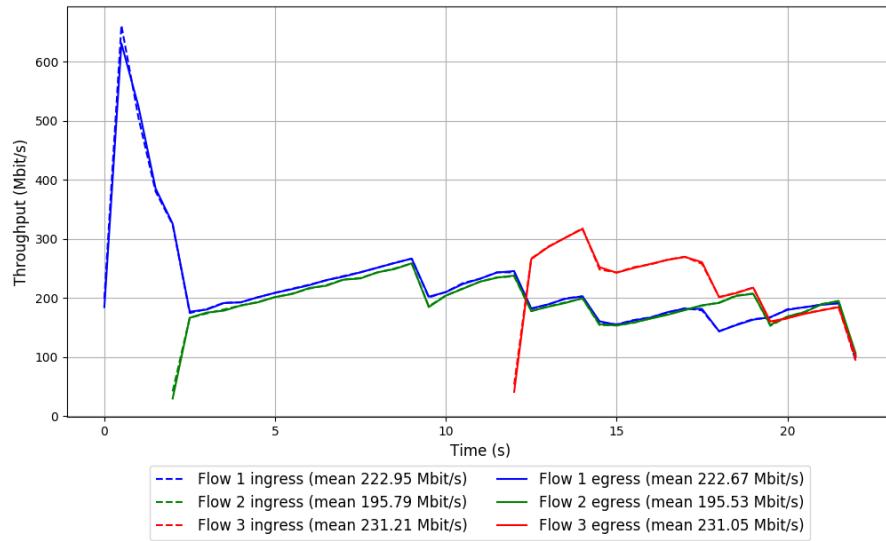
Start at: 2017-12-20 10:54:21

End at: 2017-12-20 10:54:51

Local clock offset: 0.059 ms

Remote clock offset: -1.045 ms

Run 7: Report of TCP Cubic — Data Link

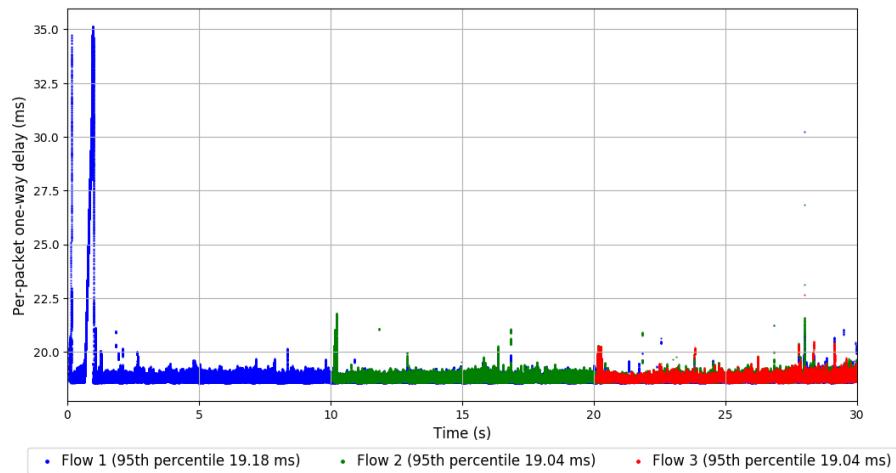
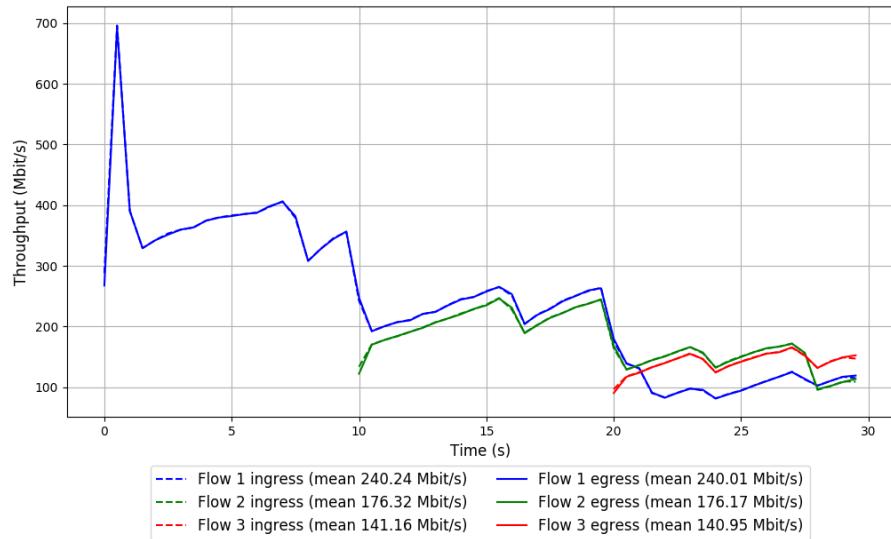


Run 8: Statistics of TCP Cubic

```
Start at: 2017-12-20 11:16:09
End at: 2017-12-20 11:16:39
Local clock offset: 0.019 ms
Remote clock offset: -1.2 ms

# Below is generated by plot.py at 2017-12-20 14:40:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 404.17 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 240.01 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 140.95 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.14%
```

Run 8: Report of TCP Cubic — Data Link

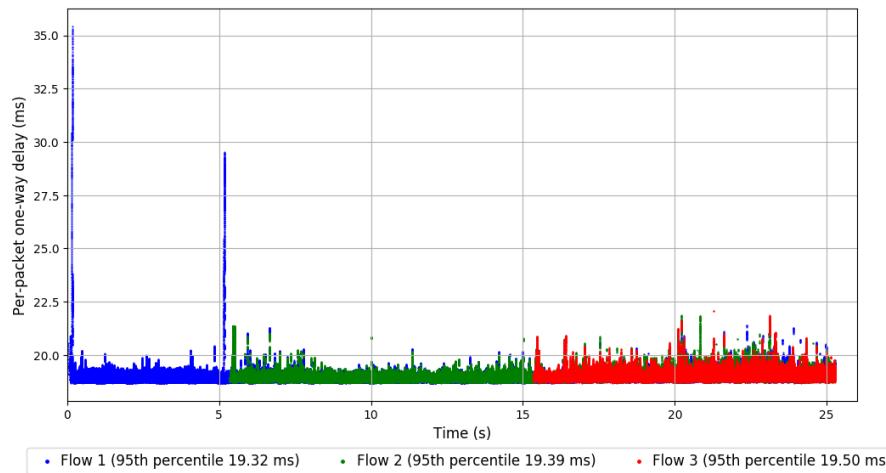
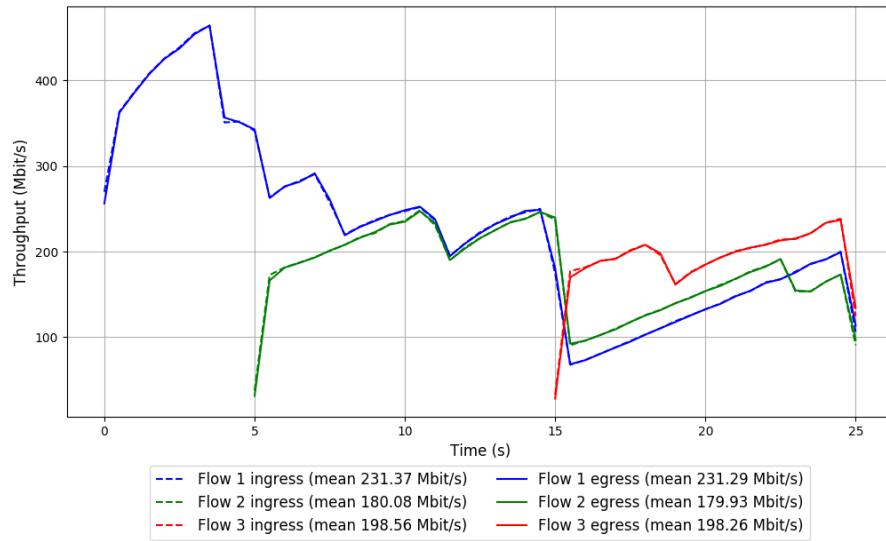


Run 9: Statistics of TCP Cubic

```
Start at: 2017-12-20 11:37:57
End at: 2017-12-20 11:38:27
Local clock offset: -0.225 ms
Remote clock offset: -1.686 ms

# Below is generated by plot.py at 2017-12-20 14:40:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.60 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 231.29 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 179.93 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 198.26 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.15%
```

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

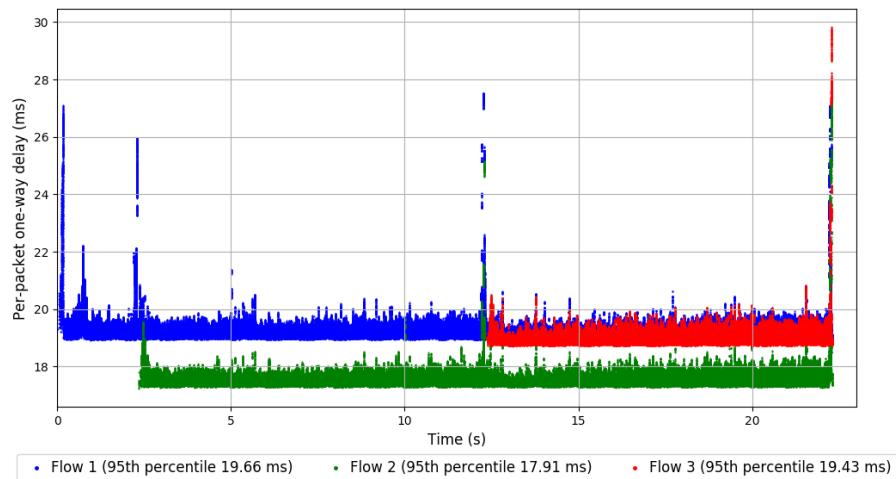
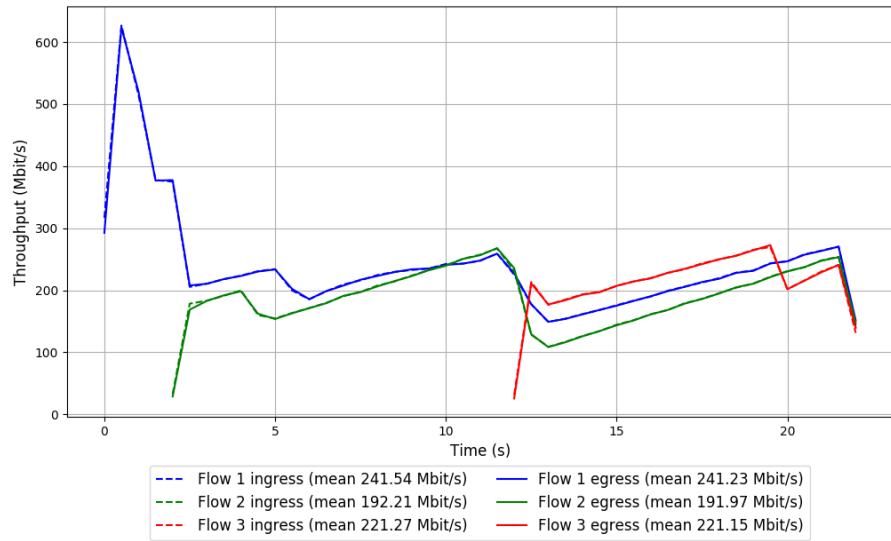
Start at: 2017-12-20 12:00:03

End at: 2017-12-20 12:00:33

Local clock offset: -0.196 ms

Remote clock offset: -2.089 ms

Run 10: Report of TCP Cubic — Data Link

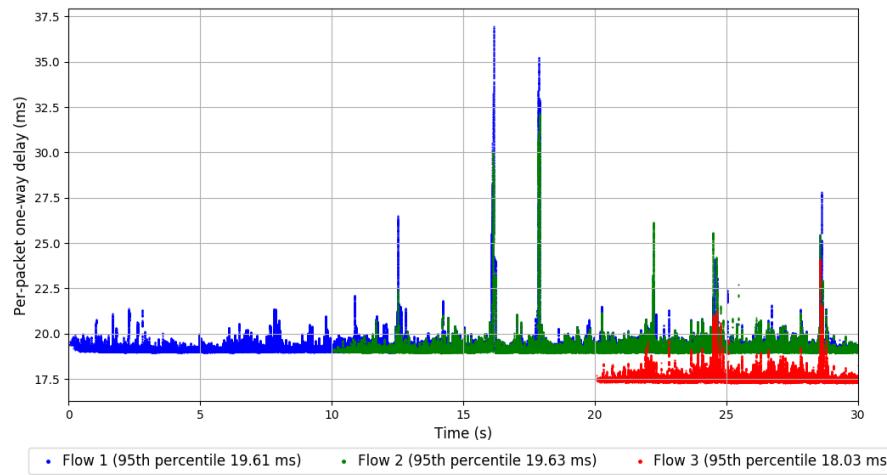
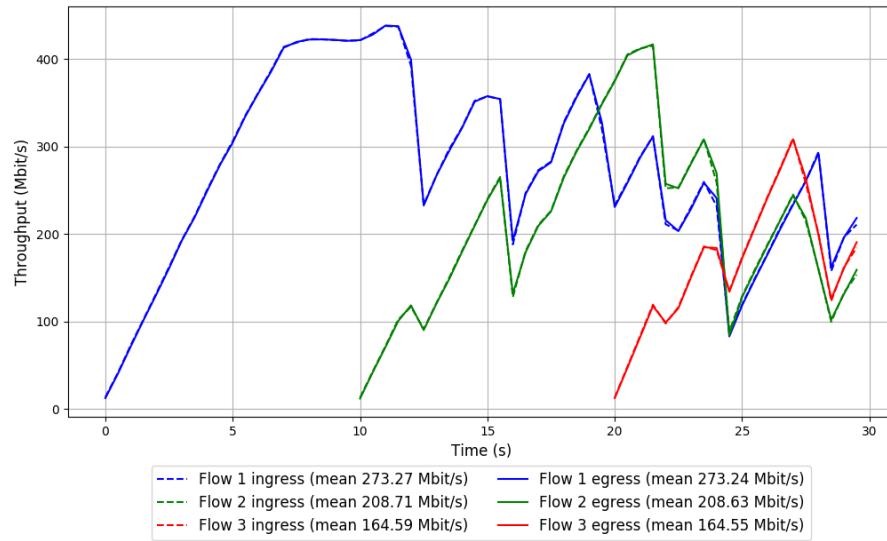


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-12-20 08:38:55
End at: 2017-12-20 08:39:25
Local clock offset: 1.013 ms
Remote clock offset: -0.78 ms

# Below is generated by plot.py at 2017-12-20 14:42:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.73 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 273.24 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 208.63 Mbit/s
95th percentile per-packet one-way delay: 19.629 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 164.55 Mbit/s
95th percentile per-packet one-way delay: 18.031 ms
Loss rate: 0.01%
```

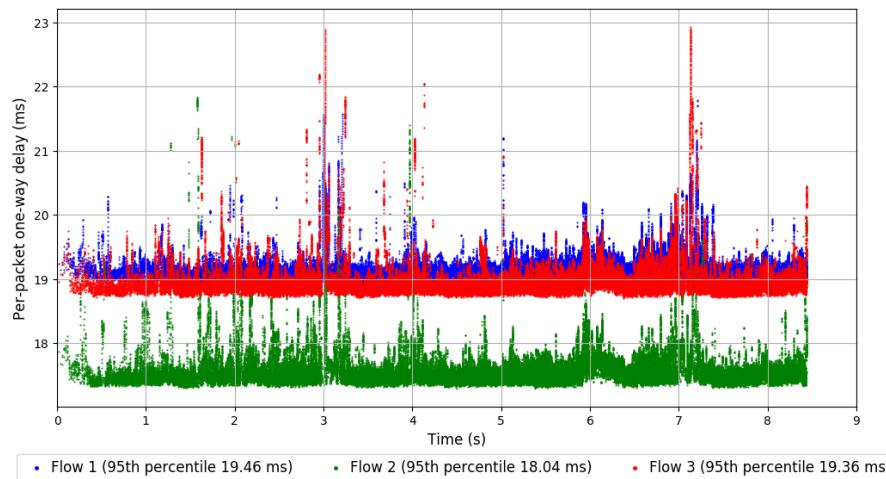
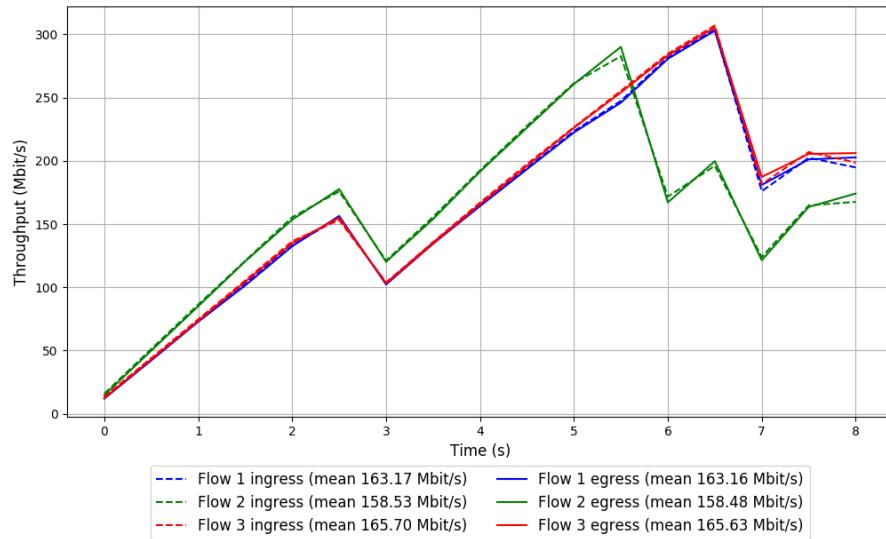
Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-12-20 09:00:51
End at: 2017-12-20 09:01:21
Local clock offset: 0.921 ms
Remote clock offset: -0.705 ms

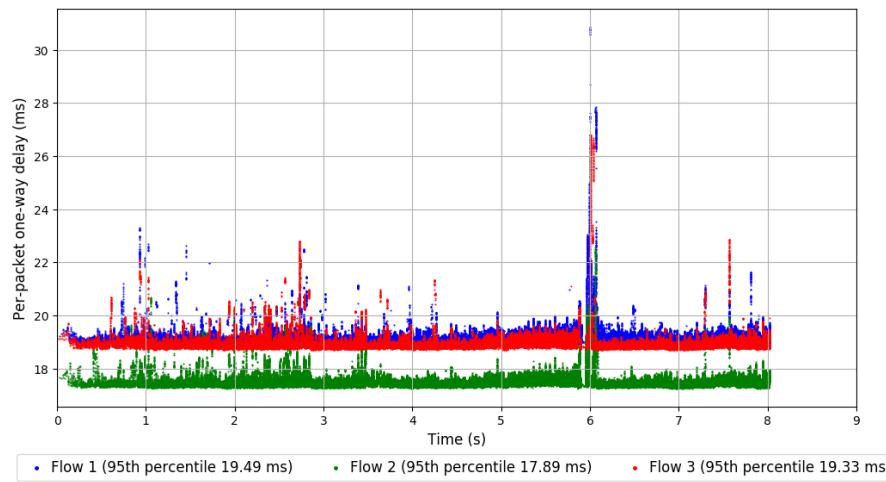
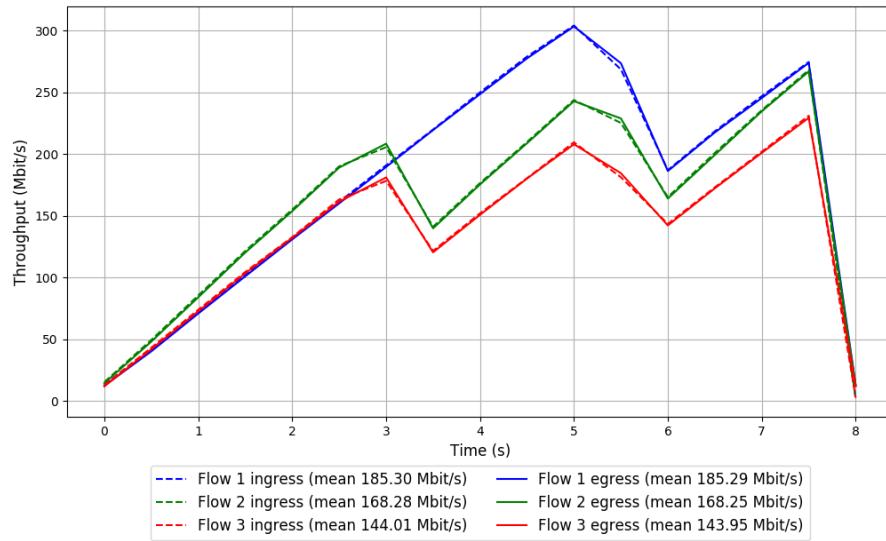
Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-12-20 09:22:42
End at: 2017-12-20 09:23:12
Local clock offset: 1.029 ms
Remote clock offset: -0.976 ms

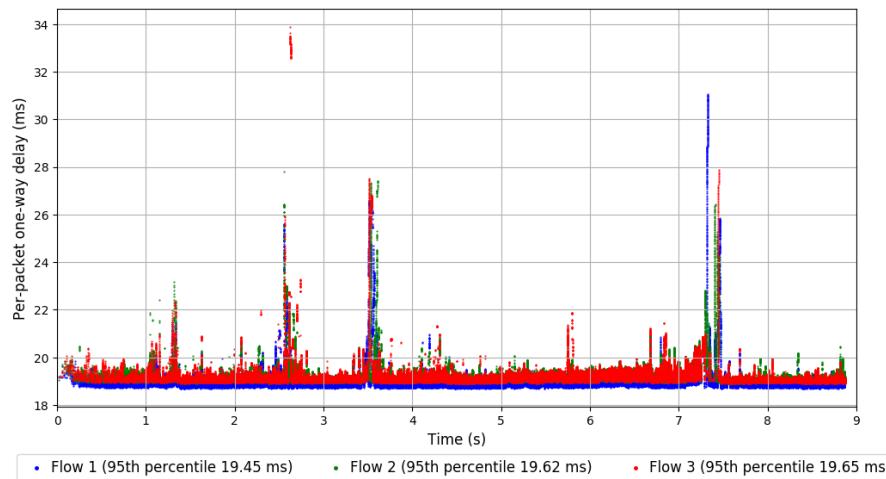
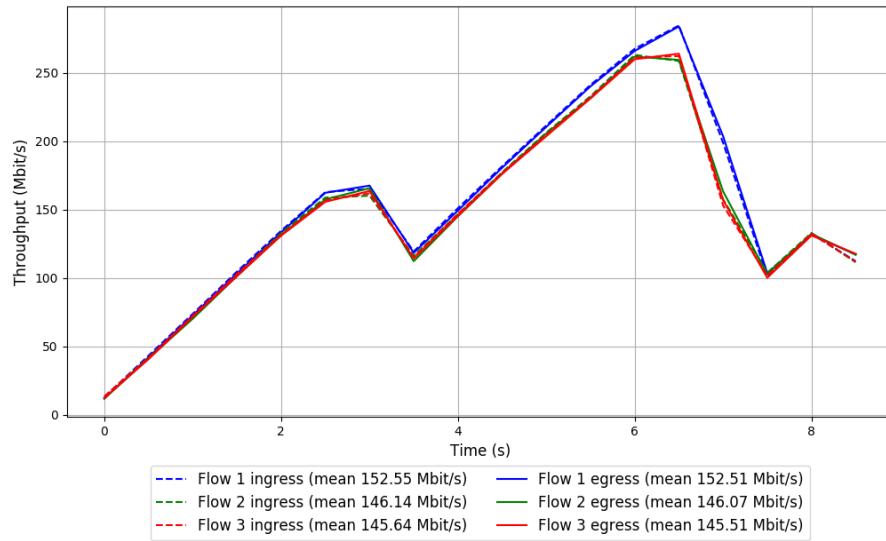
Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-20 09:44:29
End at: 2017-12-20 09:44:59
Local clock offset: 0.85 ms
Remote clock offset: -1.086 ms

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

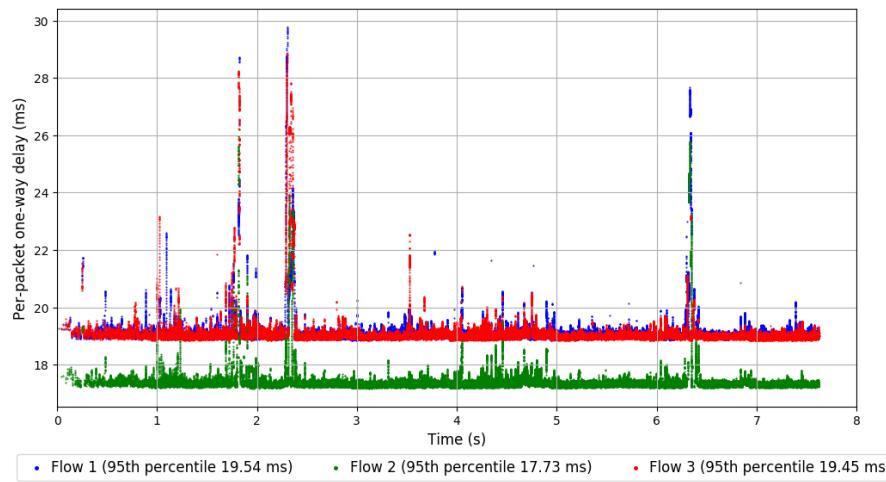
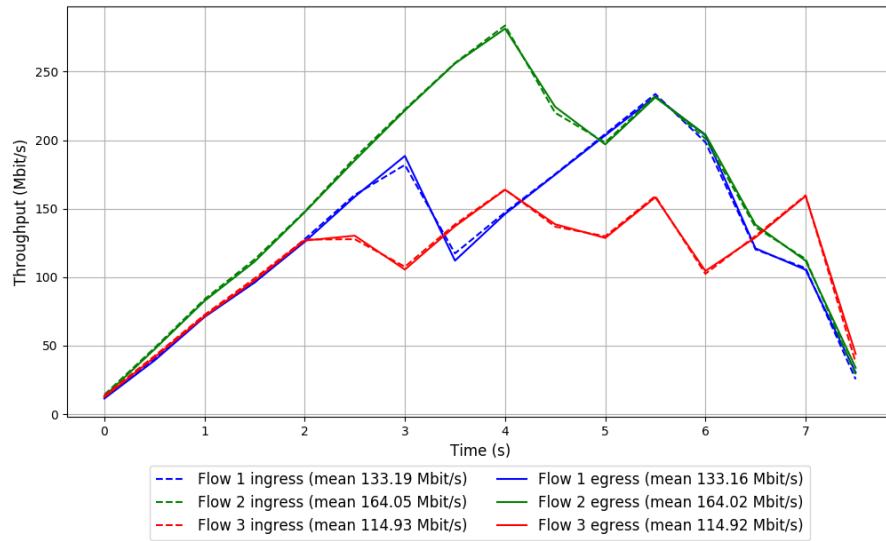
Start at: 2017-12-20 10:06:15

End at: 2017-12-20 10:06:45

Local clock offset: 0.711 ms

Remote clock offset: -1.07 ms

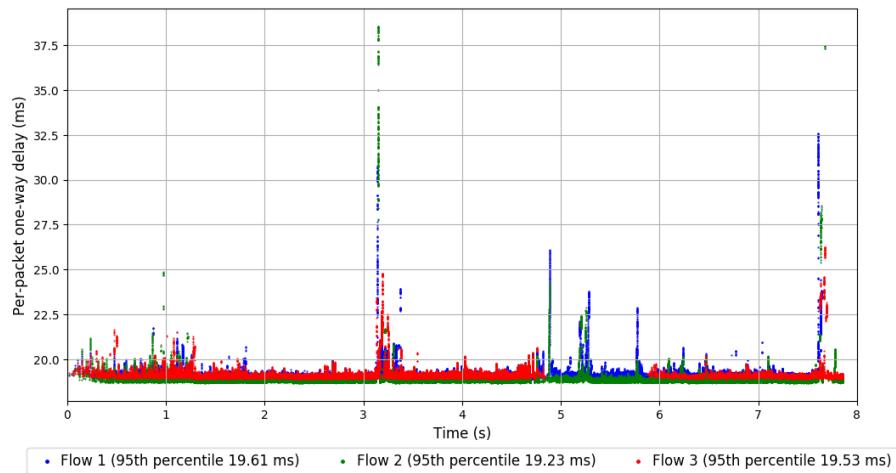
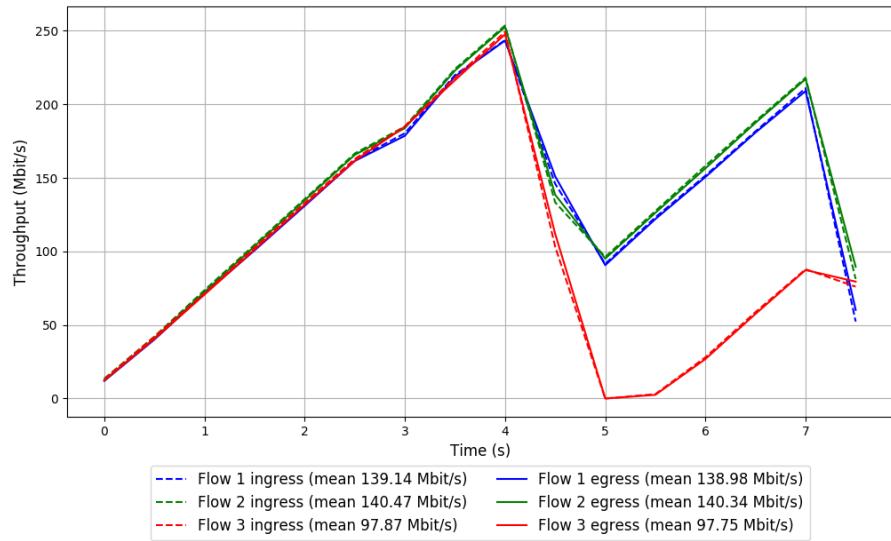
Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-12-20 10:28:08
End at: 2017-12-20 10:28:38
Local clock offset: 0.365 ms
Remote clock offset: -1.239 ms

Run 6: Report of LEDBAT — Data Link

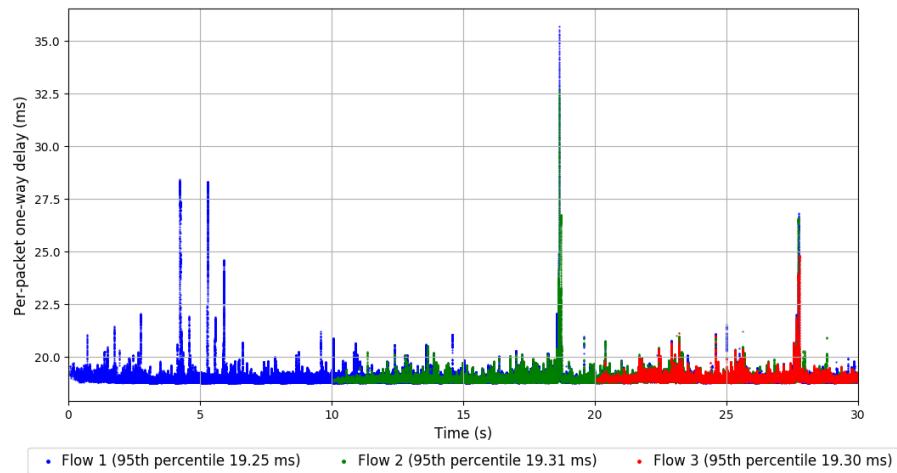
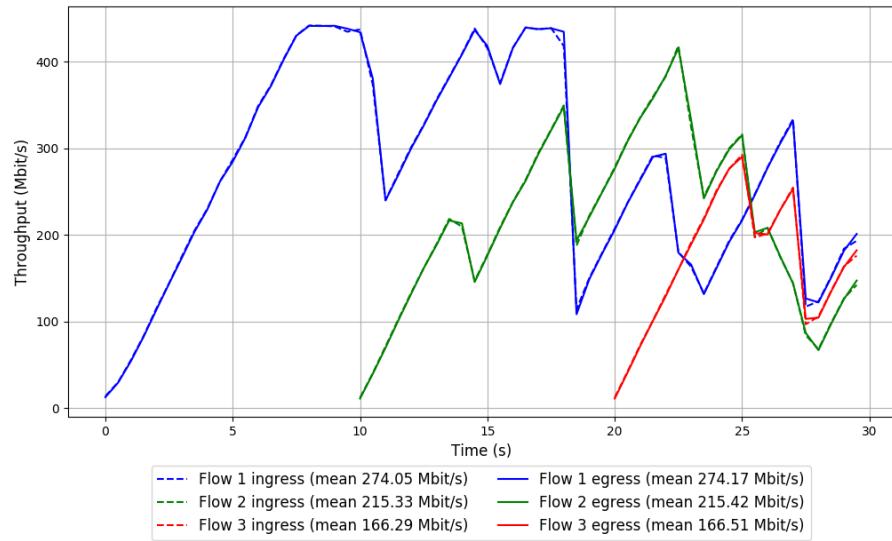


Run 7: Statistics of LEDBAT

```
Start at: 2017-12-20 10:49:49
End at: 2017-12-20 10:50:19
Local clock offset: 0.2 ms
Remote clock offset: -1.022 ms

# Below is generated by plot.py at 2017-12-20 14:46:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.67 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 274.17 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 215.42 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.02%
```

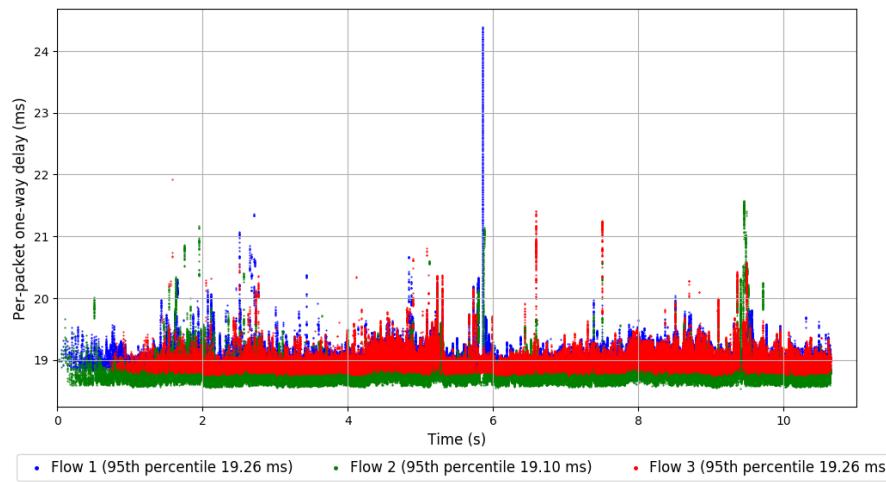
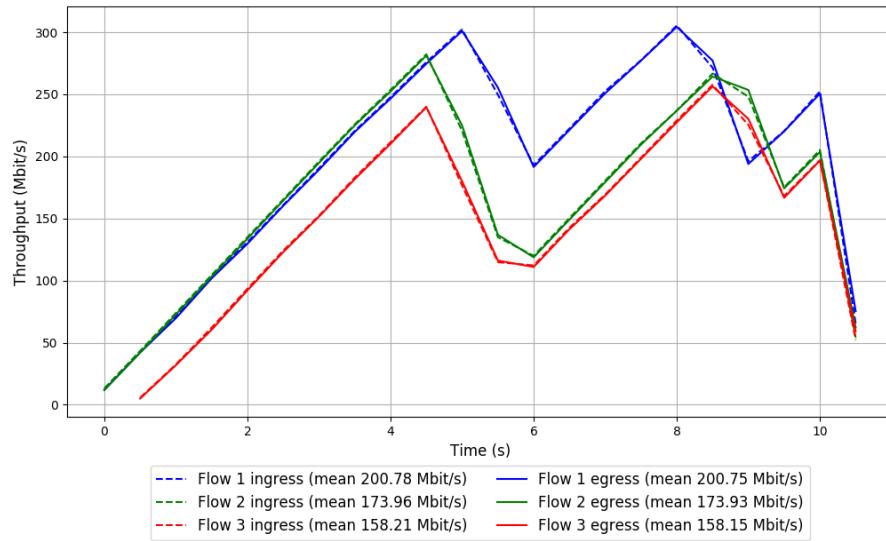
Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-12-20 11:11:54
End at: 2017-12-20 11:12:24
Local clock offset: 0.045 ms
Remote clock offset: -1.228 ms

Run 8: Report of LEDBAT — Data Link

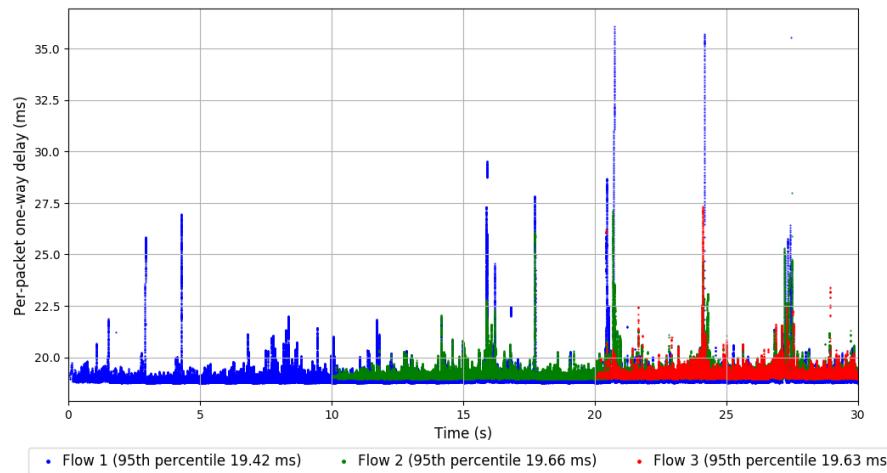
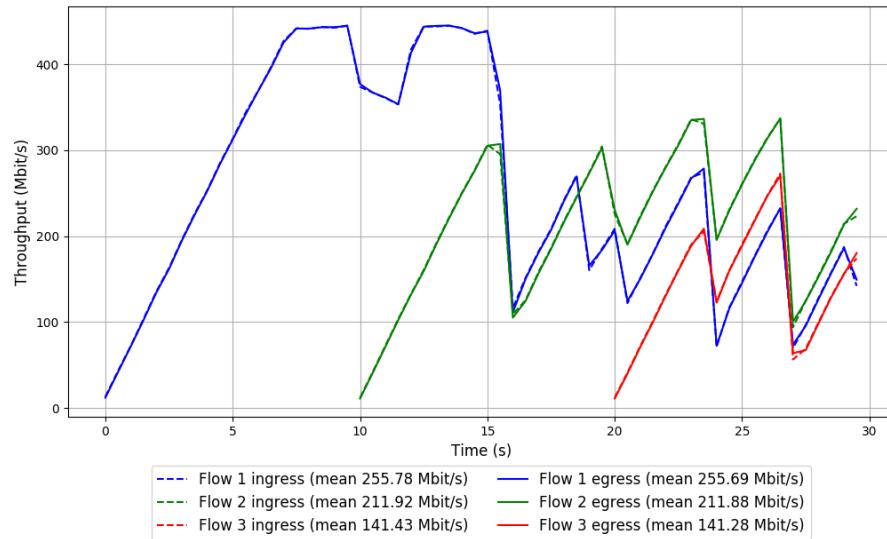


Run 9: Statistics of LEDBAT

```
Start at: 2017-12-20 11:33:27
End at: 2017-12-20 11:33:57
Local clock offset: -0.133 ms
Remote clock offset: -1.499 ms

# Below is generated by plot.py at 2017-12-20 14:46:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.56 Mbit/s
95th percentile per-packet one-way delay: 19.541 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 255.69 Mbit/s
95th percentile per-packet one-way delay: 19.416 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 211.88 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 141.28 Mbit/s
95th percentile per-packet one-way delay: 19.626 ms
Loss rate: 0.11%
```

Run 9: Report of LEDBAT — Data Link

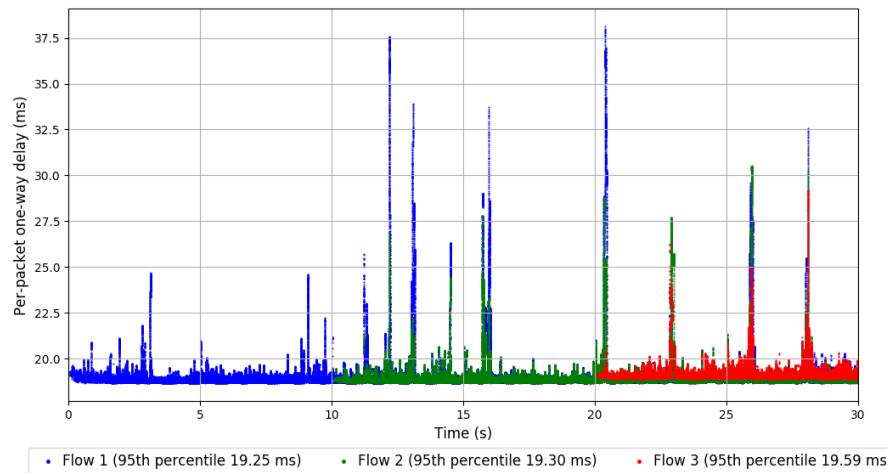
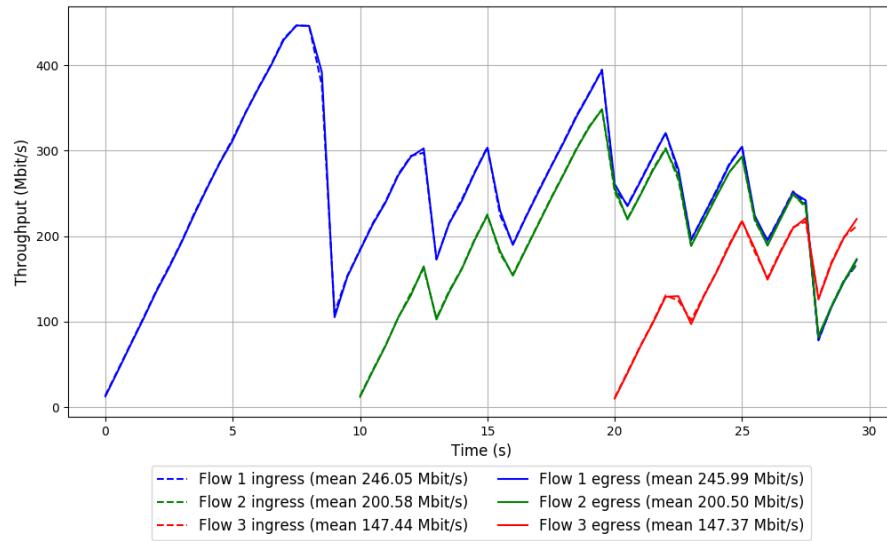


Run 10: Statistics of LEDBAT

```
Start at: 2017-12-20 11:55:35
End at: 2017-12-20 11:56:05
Local clock offset: -0.186 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at 2017-12-20 14:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 428.28 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 245.99 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 200.50 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 147.37 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.05%
```

Run 10: Report of LEDBAT — Data Link

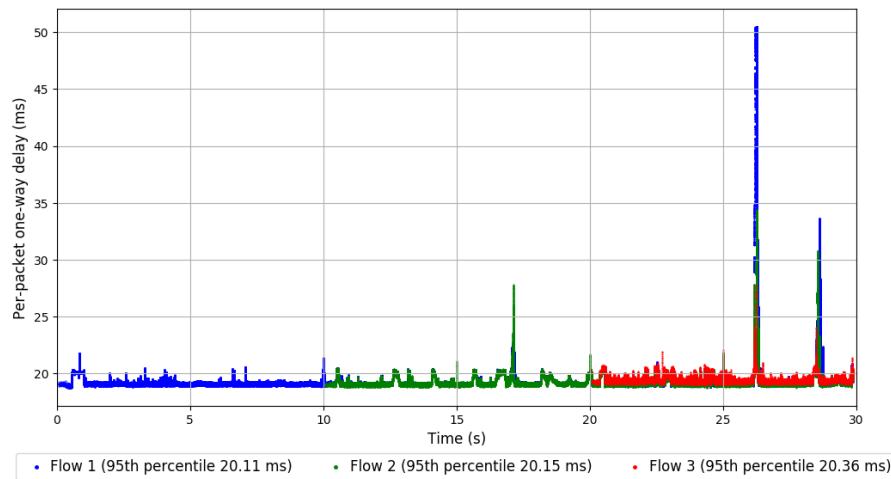
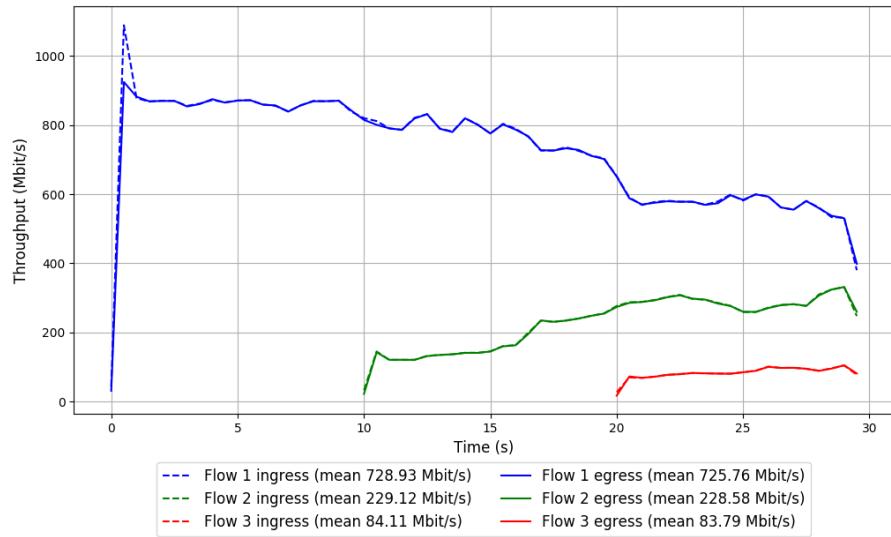


Run 1: Statistics of PCC

```
Start at: 2017-12-20 08:47:21
End at: 2017-12-20 08:47:51
Local clock offset: 0.96 ms
Remote clock offset: -0.732 ms

# Below is generated by plot.py at 2017-12-20 14:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 905.25 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 725.76 Mbit/s
95th percentile per-packet one-way delay: 20.106 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 20.153 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 0.39%
```

Run 1: Report of PCC — Data Link

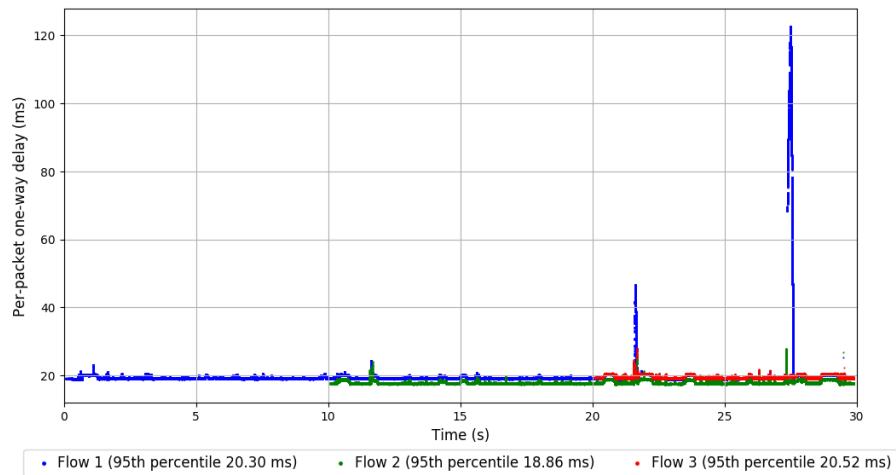
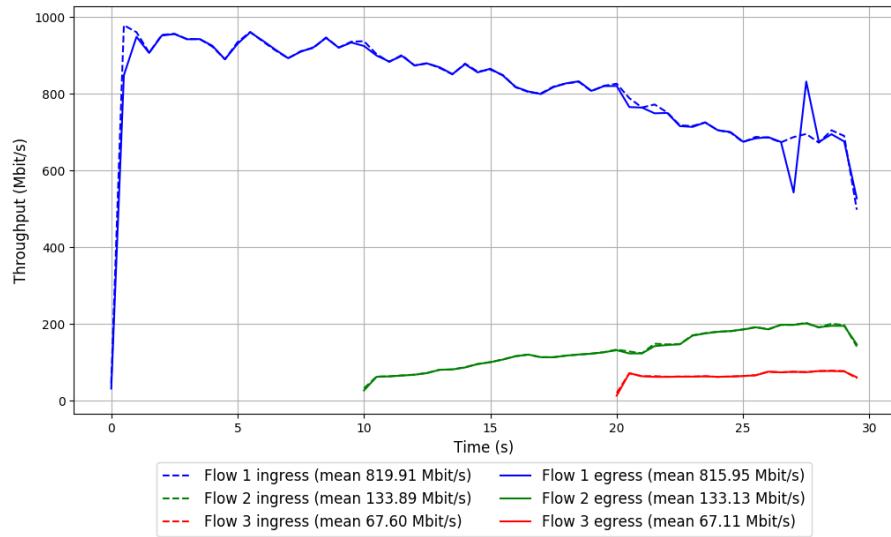


Run 2: Statistics of PCC

```
Start at: 2017-12-20 09:09:06
End at: 2017-12-20 09:09:36
Local clock offset: 0.932 ms
Remote clock offset: -0.84 ms

# Below is generated by plot.py at 2017-12-20 14:53:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 926.55 Mbit/s
95th percentile per-packet one-way delay: 20.302 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 815.95 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 133.13 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 20.521 ms
Loss rate: 0.72%
```

Run 2: Report of PCC — Data Link

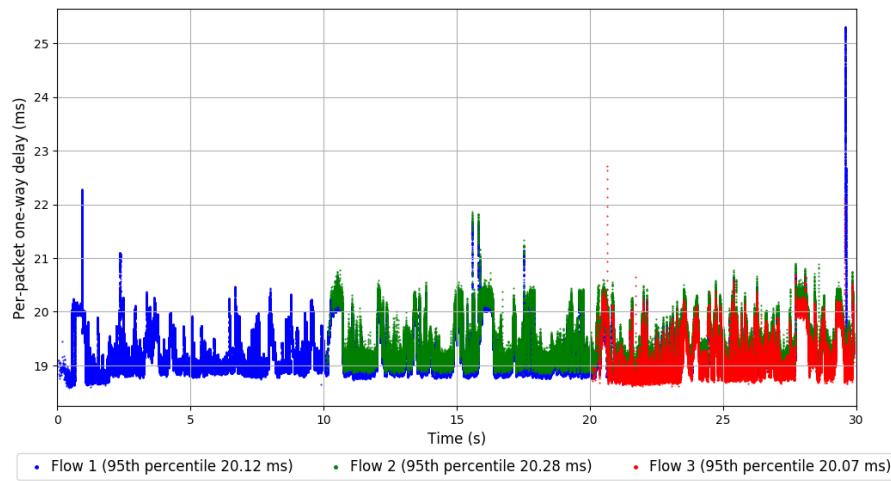
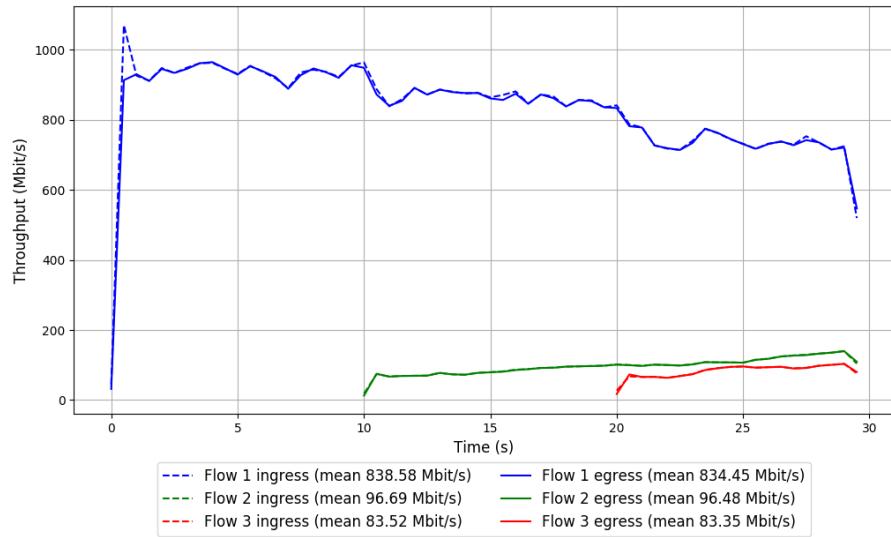


Run 3: Statistics of PCC

```
Start at: 2017-12-20 09:30:57
End at: 2017-12-20 09:31:27
Local clock offset: 1.045 ms
Remote clock offset: -1.107 ms

# Below is generated by plot.py at 2017-12-20 14:54:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 925.96 Mbit/s
95th percentile per-packet one-way delay: 20.127 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 834.45 Mbit/s
95th percentile per-packet one-way delay: 20.119 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 20.065 ms
Loss rate: 0.21%
```

Run 3: Report of PCC — Data Link

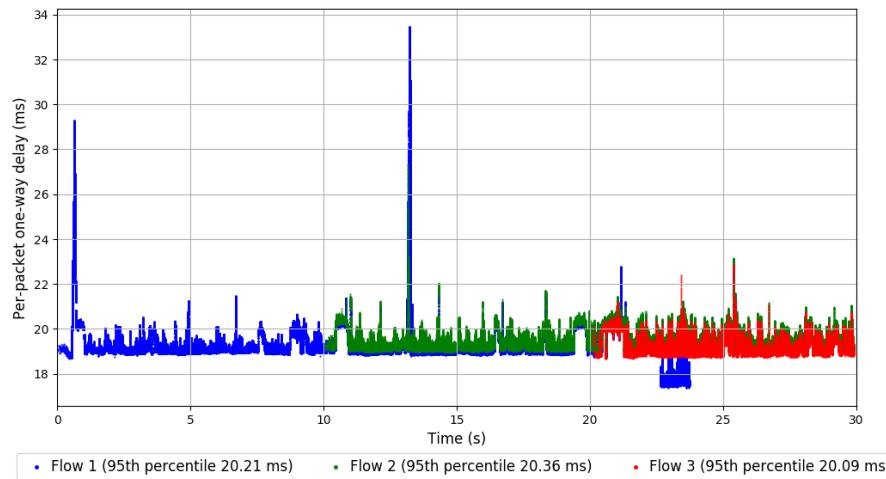
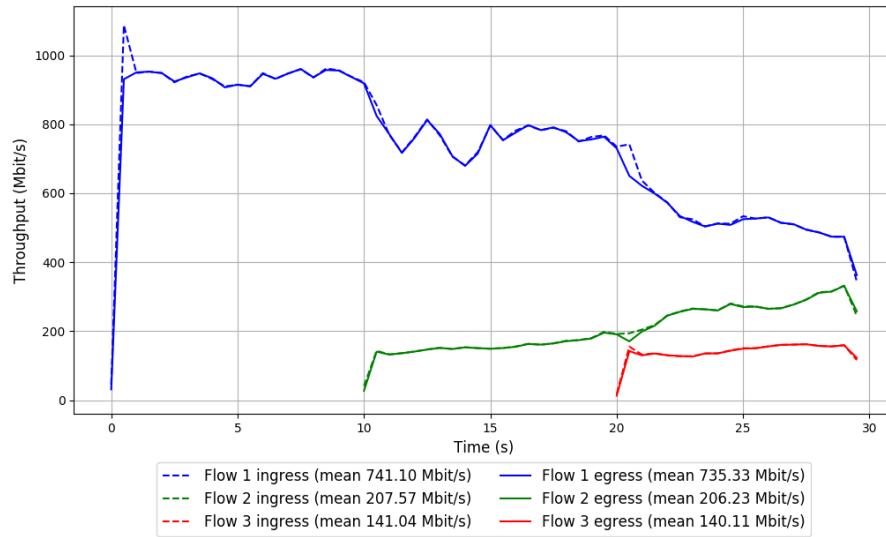


Run 4: Statistics of PCC

```
Start at: 2017-12-20 09:52:42
End at: 2017-12-20 09:53:12
Local clock offset: 0.819 ms
Remote clock offset: -0.997 ms

# Below is generated by plot.py at 2017-12-20 14:55:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 918.53 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 735.33 Mbit/s
95th percentile per-packet one-way delay: 20.210 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 206.23 Mbit/s
95th percentile per-packet one-way delay: 20.365 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 140.11 Mbit/s
95th percentile per-packet one-way delay: 20.086 ms
Loss rate: 0.66%
```

Run 4: Report of PCC — Data Link

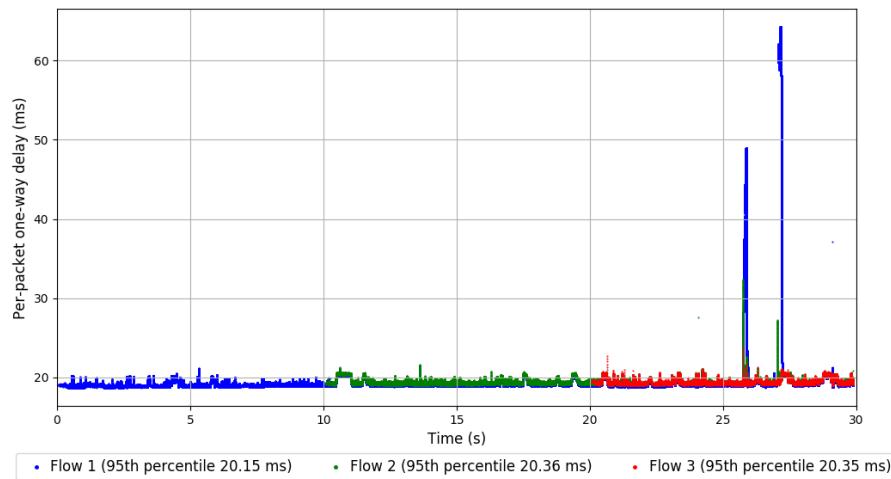
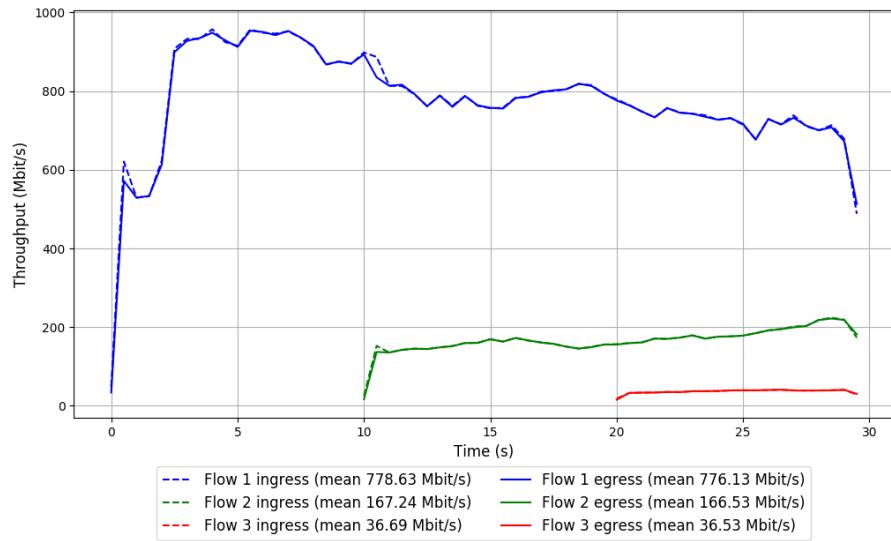


Run 5: Statistics of PCC

```
Start at: 2017-12-20 10:14:32
End at: 2017-12-20 10:15:02
Local clock offset: 0.507 ms
Remote clock offset: -1.219 ms

# Below is generated by plot.py at 2017-12-20 14:55:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 898.73 Mbit/s
95th percentile per-packet one-way delay: 20.175 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 776.13 Mbit/s
95th percentile per-packet one-way delay: 20.152 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 166.53 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 20.351 ms
Loss rate: 0.45%
```

Run 5: Report of PCC — Data Link

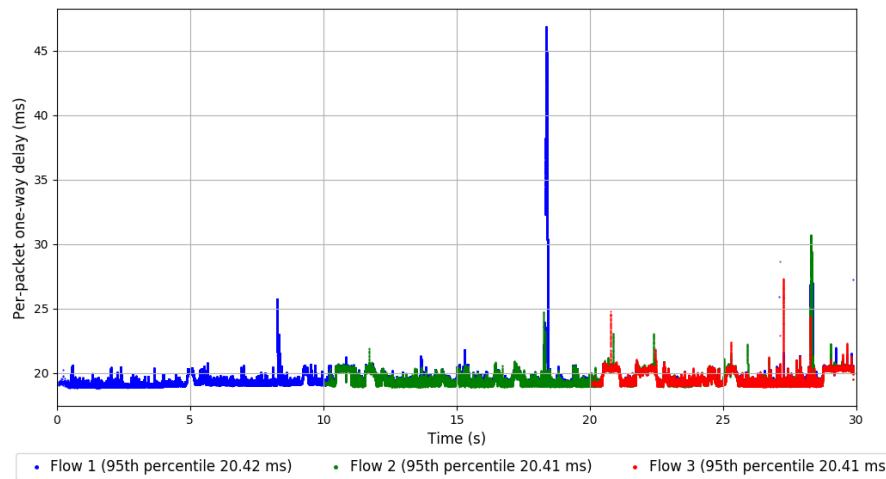
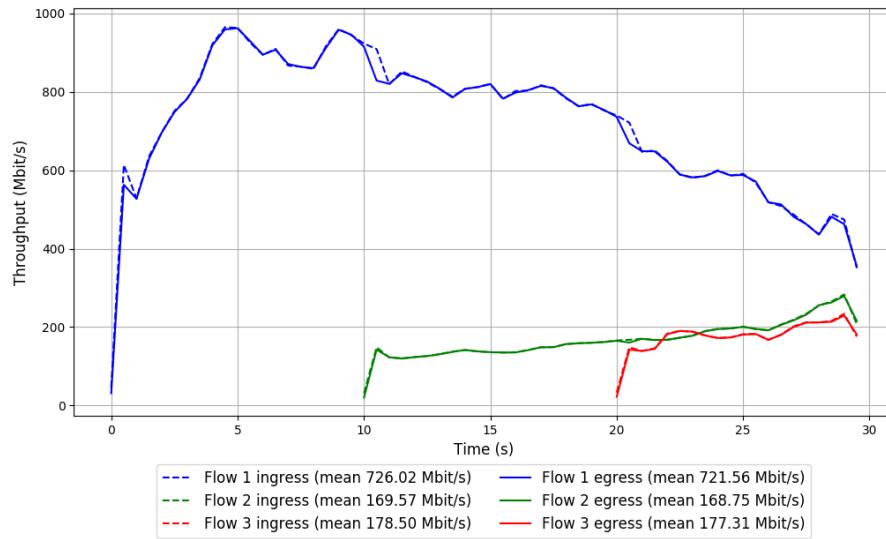


Run 6: Statistics of PCC

```
Start at: 2017-12-20 10:36:24
End at: 2017-12-20 10:36:54
Local clock offset: 0.315 ms
Remote clock offset: -1.161 ms

# Below is generated by plot.py at 2017-12-20 14:59:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 892.21 Mbit/s
95th percentile per-packet one-way delay: 20.420 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 721.56 Mbit/s
95th percentile per-packet one-way delay: 20.422 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 168.75 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 177.31 Mbit/s
95th percentile per-packet one-way delay: 20.415 ms
Loss rate: 0.67%
```

Run 6: Report of PCC — Data Link

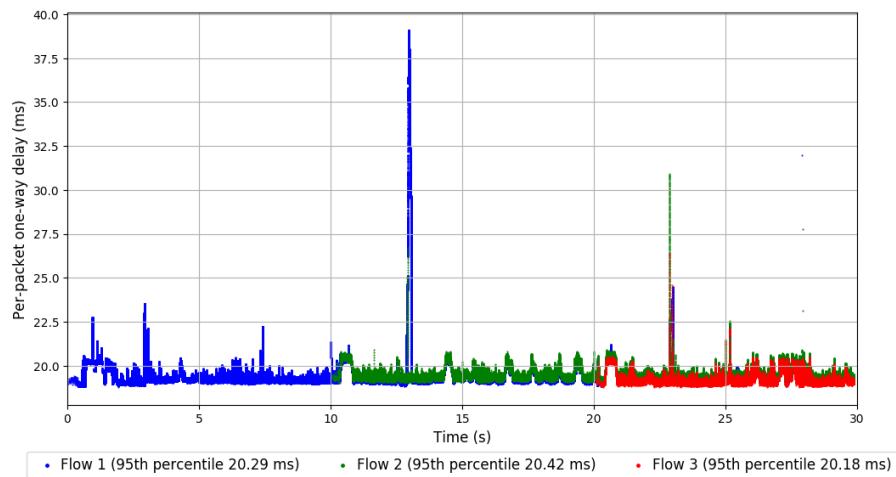
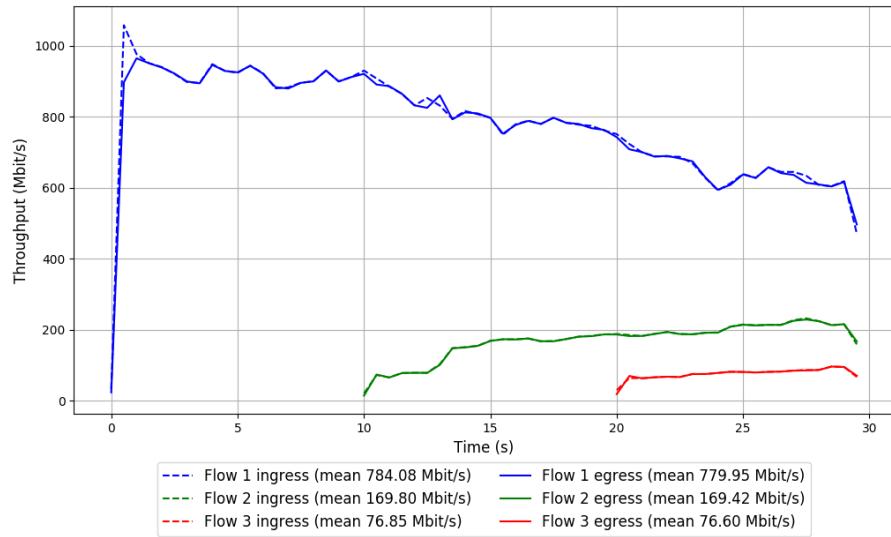


Run 7: Statistics of PCC

```
Start at: 2017-12-20 10:58:20
End at: 2017-12-20 10:58:50
Local clock offset: 0.032 ms
Remote clock offset: -1.099 ms

# Below is generated by plot.py at 2017-12-20 15:00:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 917.67 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 779.95 Mbit/s
95th percentile per-packet one-way delay: 20.293 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 169.42 Mbit/s
95th percentile per-packet one-way delay: 20.417 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 20.176 ms
Loss rate: 0.32%
```

Run 7: Report of PCC — Data Link

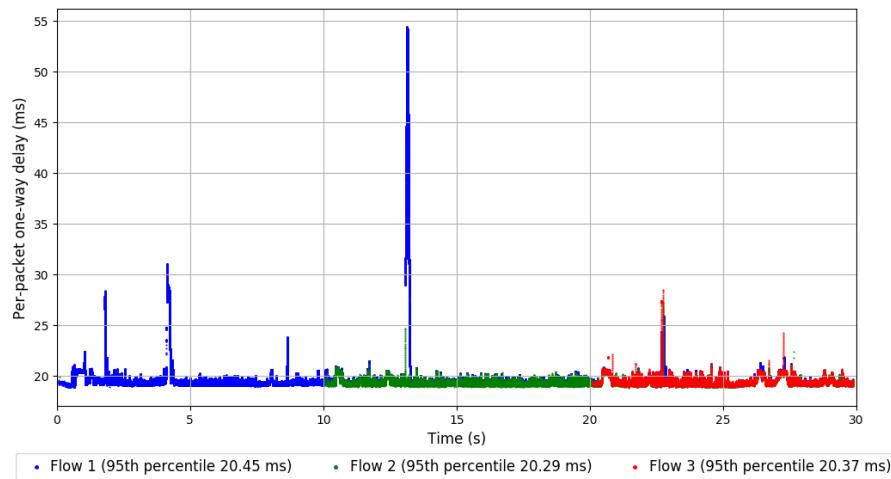
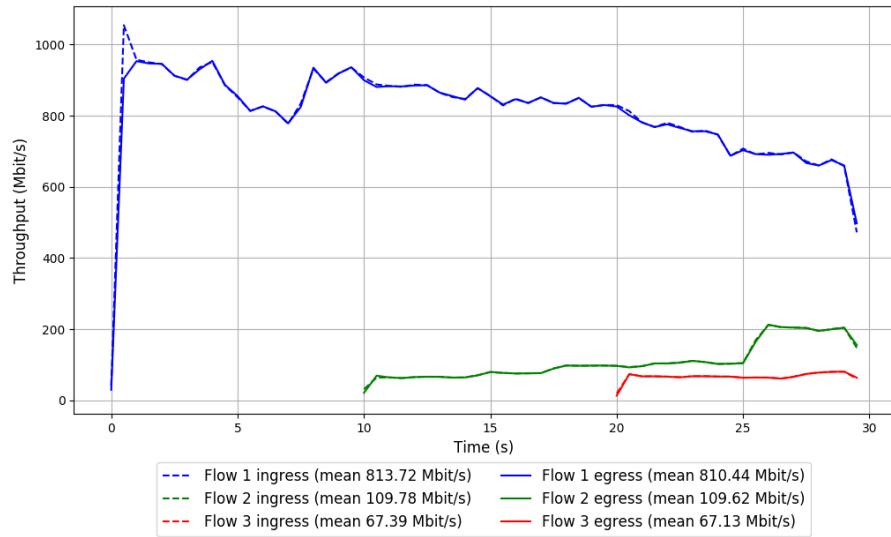


Run 8: Statistics of PCC

```
Start at: 2017-12-20 11:20:00
End at: 2017-12-20 11:20:30
Local clock offset: 0.003 ms
Remote clock offset: -1.191 ms

# Below is generated by plot.py at 2017-12-20 15:00:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 905.38 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 810.44 Mbit/s
95th percentile per-packet one-way delay: 20.447 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 109.62 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 20.369 ms
Loss rate: 0.40%
```

Run 8: Report of PCC — Data Link

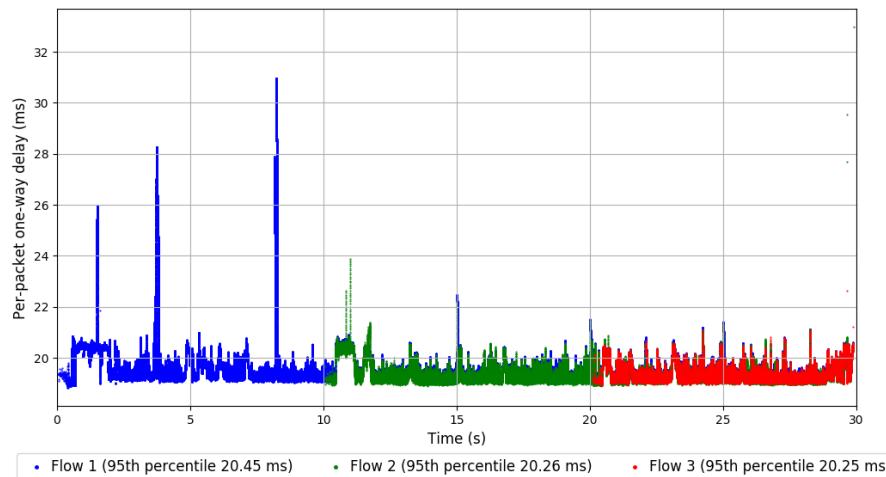
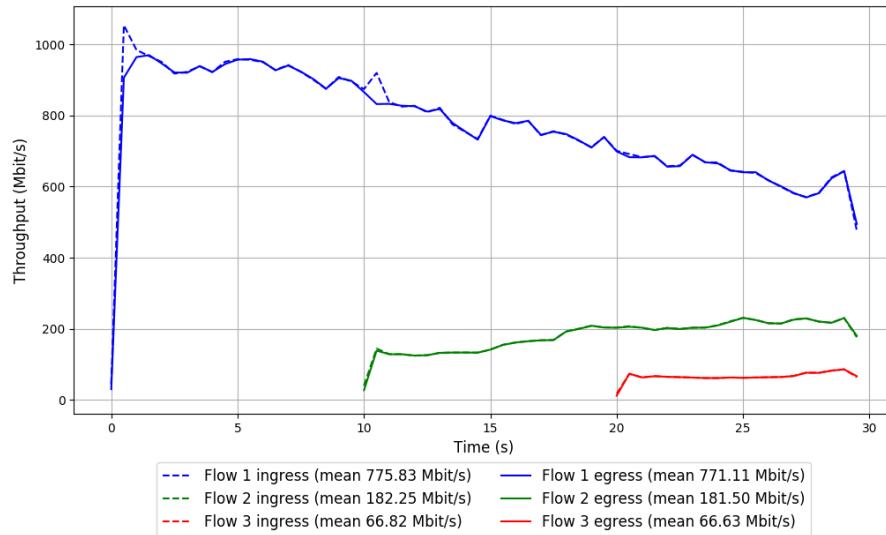


Run 9: Statistics of PCC

```
Start at: 2017-12-20 11:41:59
End at: 2017-12-20 11:42:29
Local clock offset: -0.12 ms
Remote clock offset: -1.721 ms

# Below is generated by plot.py at 2017-12-20 15:06:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 913.37 Mbit/s
95th percentile per-packet one-way delay: 20.431 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 771.11 Mbit/s
95th percentile per-packet one-way delay: 20.446 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 20.246 ms
Loss rate: 0.32%
```

Run 9: Report of PCC — Data Link

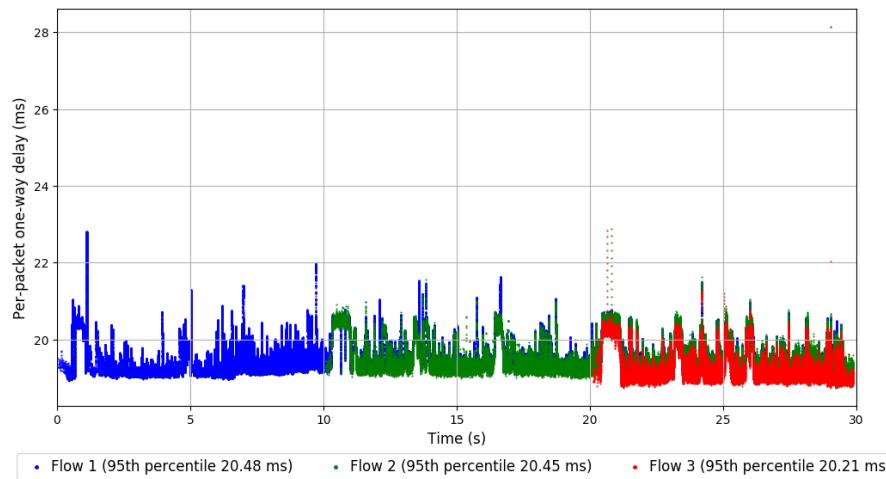
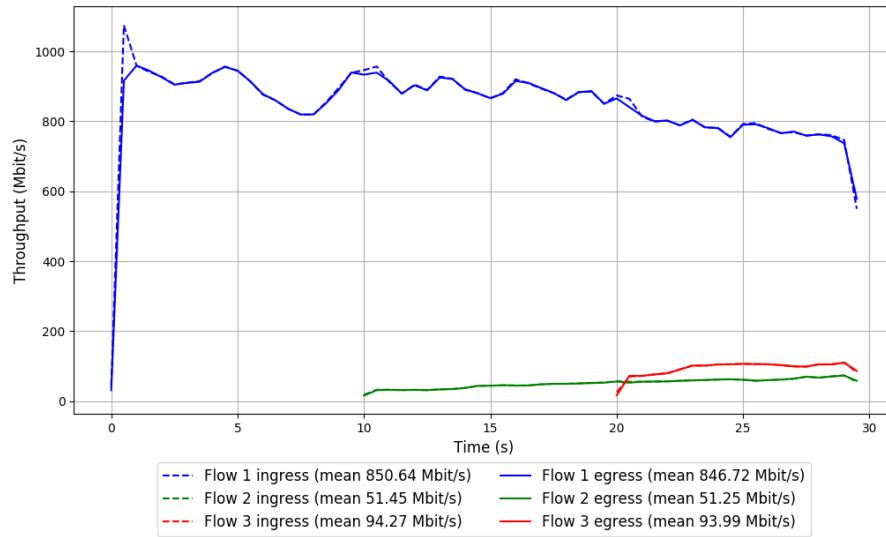


Run 10: Statistics of PCC

```
Start at: 2017-12-20 12:04:01
End at: 2017-12-20 12:04:31
Local clock offset: -0.173 ms
Remote clock offset: -2.096 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 911.70 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 846.72 Mbit/s
95th percentile per-packet one-way delay: 20.477 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 20.448 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.32%
```

Run 10: Report of PCC — Data Link

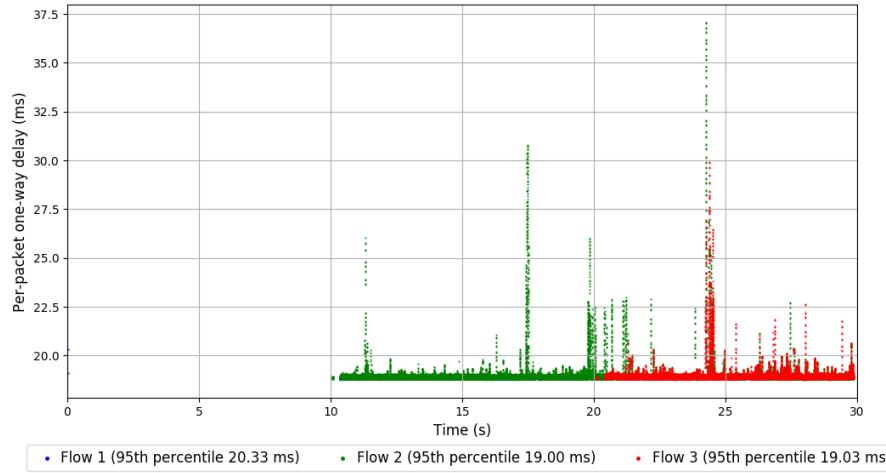
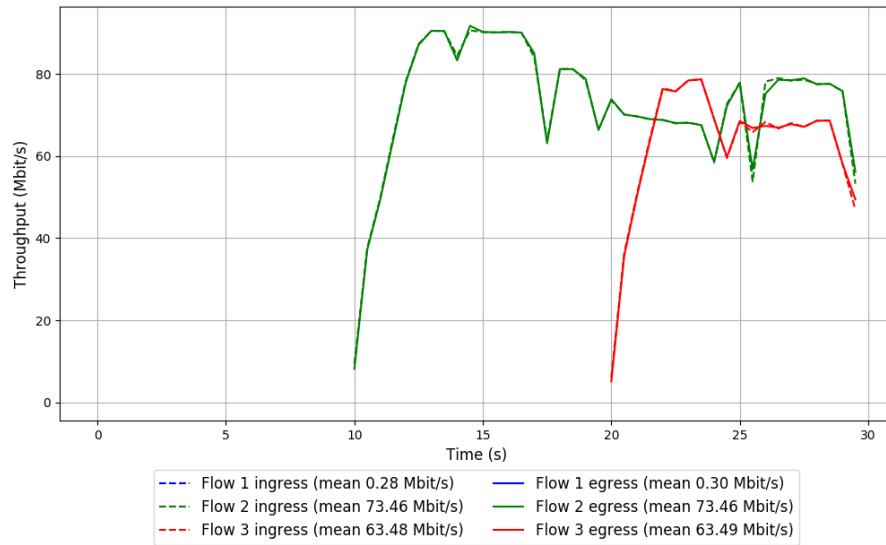


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-20 08:56:56
End at: 2017-12-20 08:57:26
Local clock offset: 0.916 ms
Remote clock offset: -0.656 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

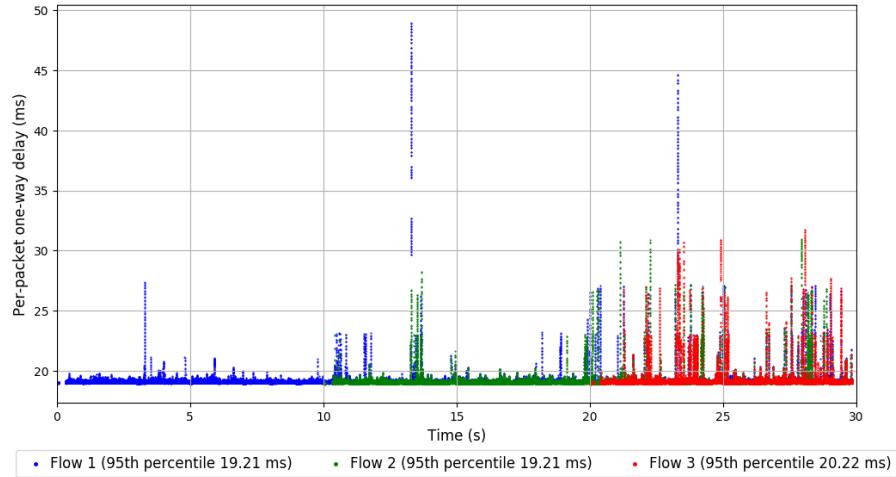
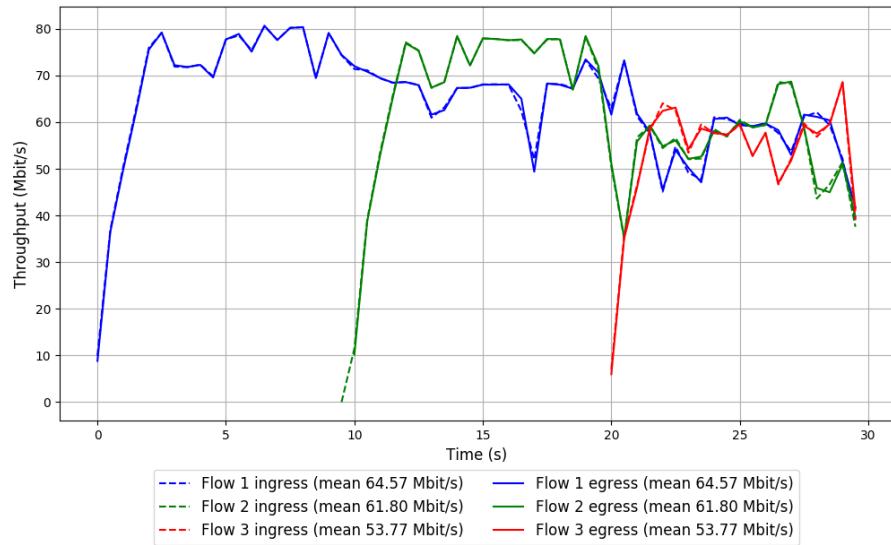


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-12-20 09:18:44
End at: 2017-12-20 09:19:14
Local clock offset: 1.025 ms
Remote clock offset: -0.985 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.36 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 20.216 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

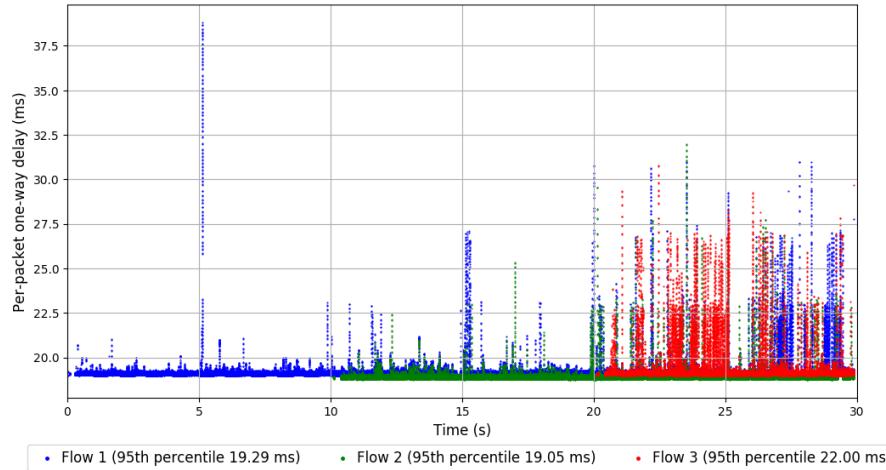
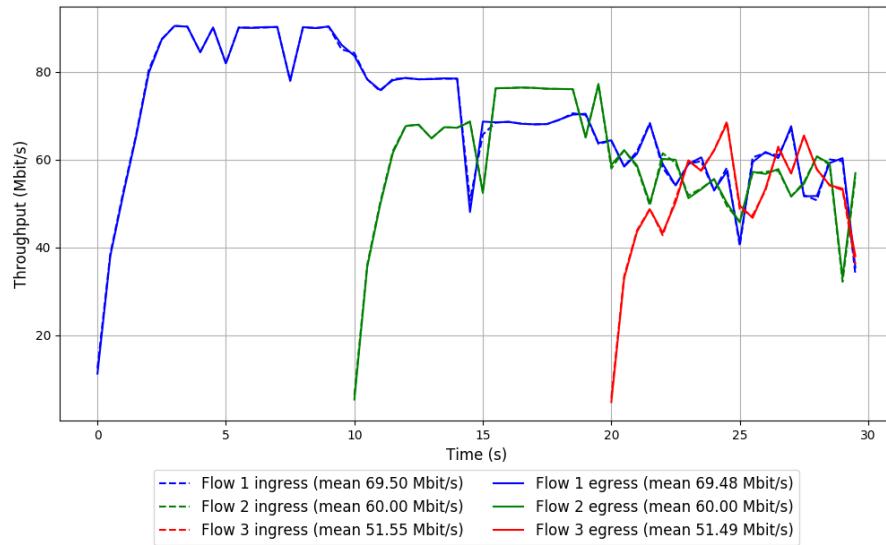


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-12-20 09:40:33
End at: 2017-12-20 09:41:03
Local clock offset: 0.927 ms
Remote clock offset: -1.0 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 126.18 Mbit/s
95th percentile per-packet one-way delay: 19.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 21.999 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

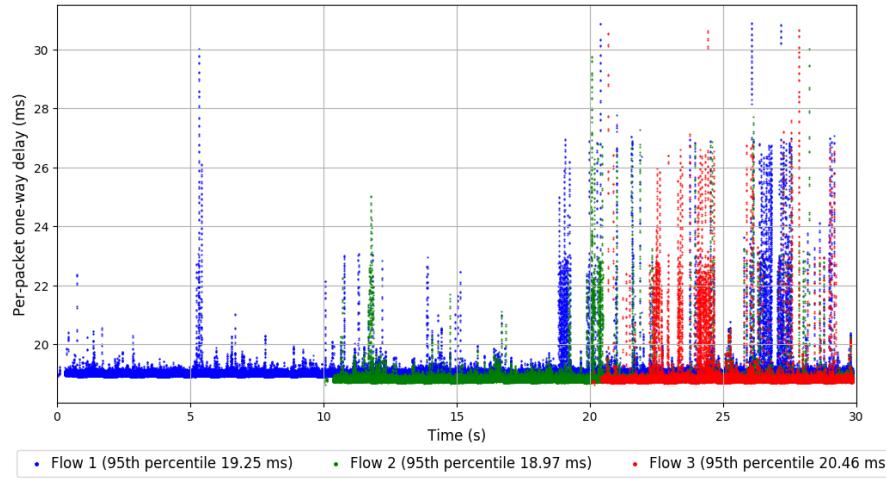
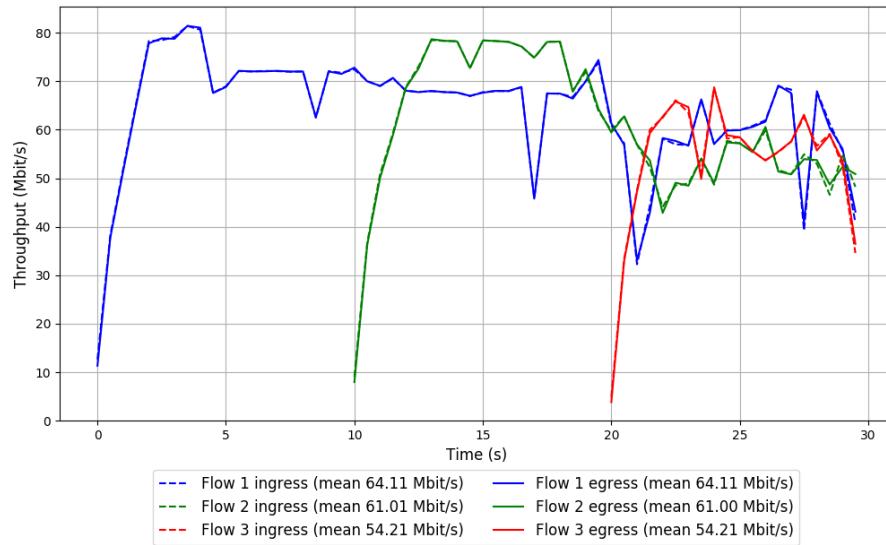


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-12-20 10:02:17
End at: 2017-12-20 10:02:47
Local clock offset: 0.773 ms
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 20.456 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

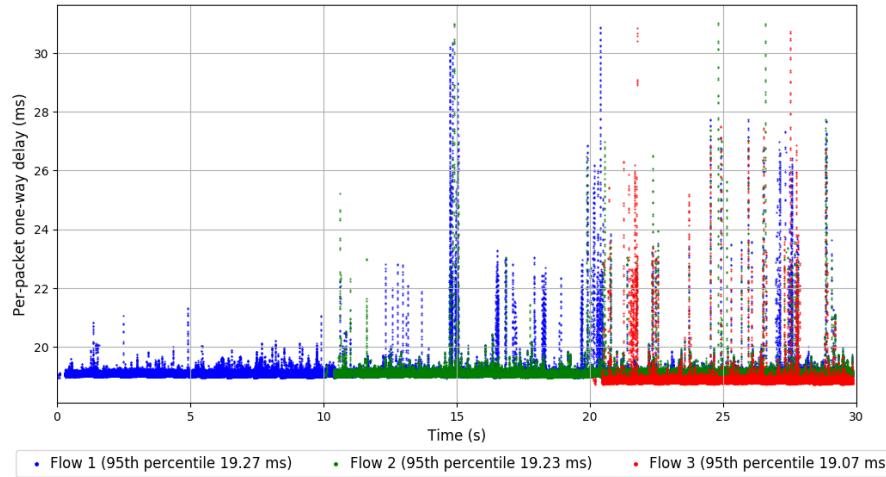
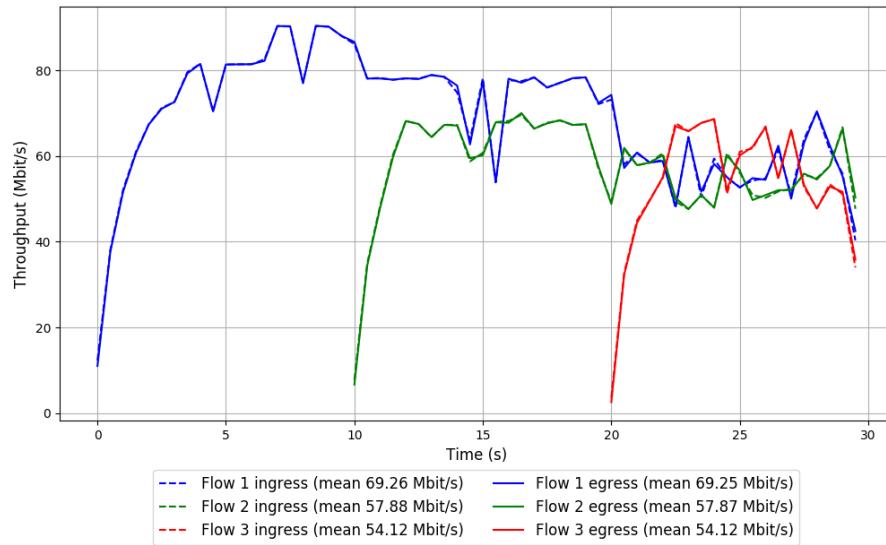


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-12-20 10:24:10
End at: 2017-12-20 10:24:40
Local clock offset: 0.301 ms
Remote clock offset: -1.367 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.39 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.25 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

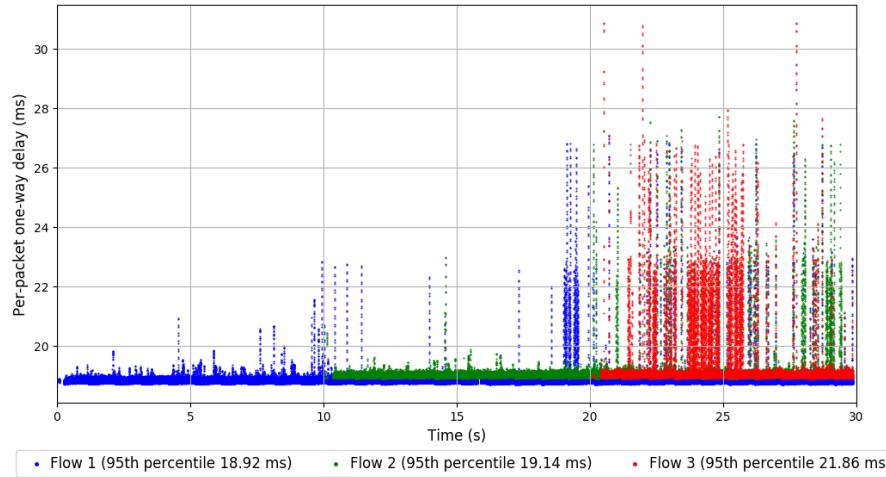
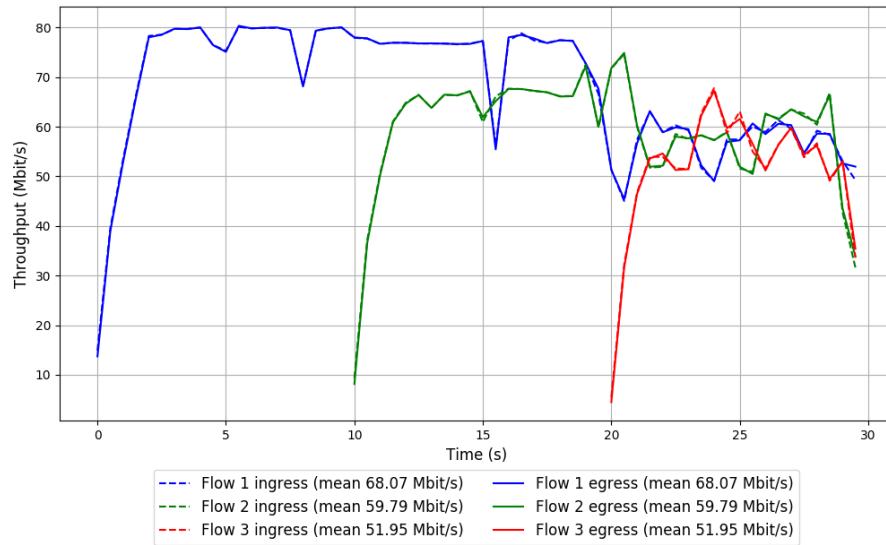


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-12-20 10:45:52
End at: 2017-12-20 10:46:22
Local clock offset: 0.129 ms
Remote clock offset: -1.06 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.80 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.07 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 21.863 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

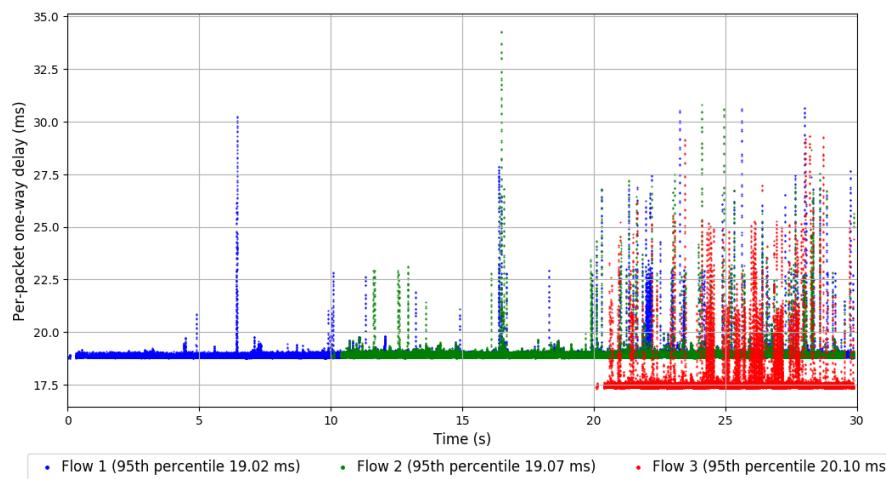
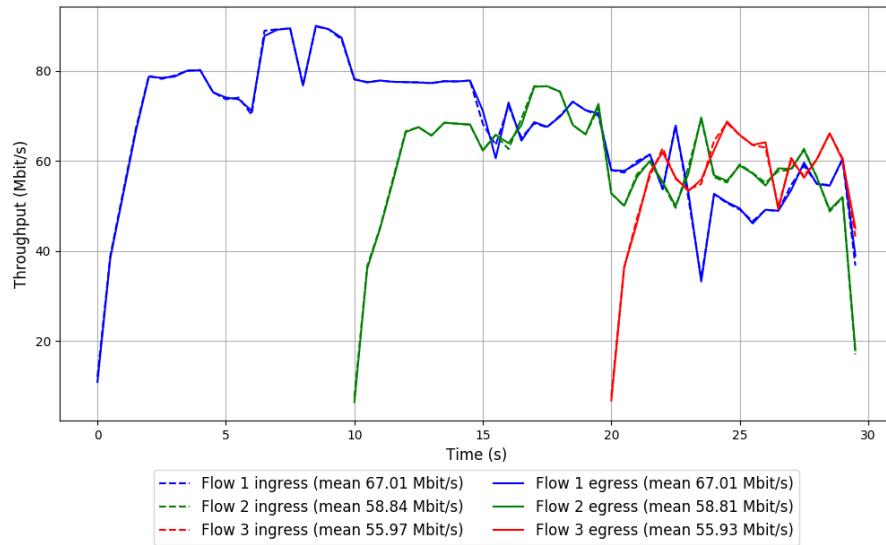


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-12-20 11:07:56
End at: 2017-12-20 11:08:26
Local clock offset: -0.013 ms
Remote clock offset: -1.134 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.45 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 20.096 ms
Loss rate: 0.05%
```

Run 7: Report of QUIC Cubic — Data Link

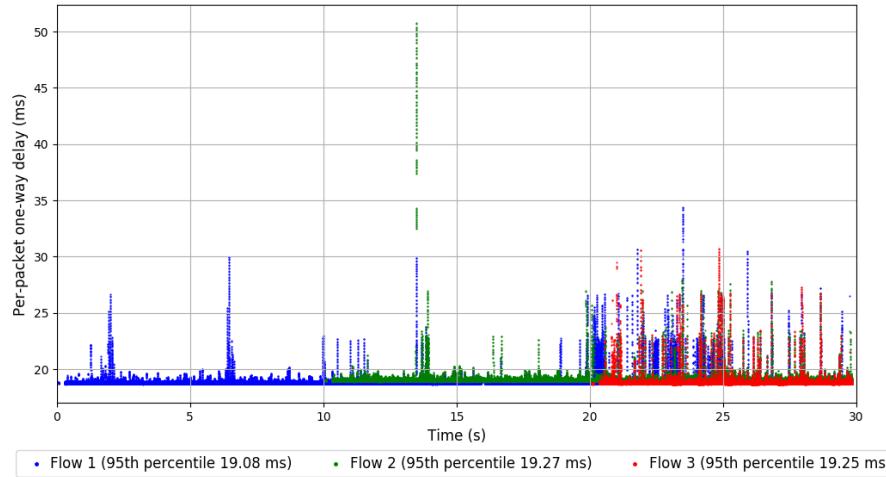
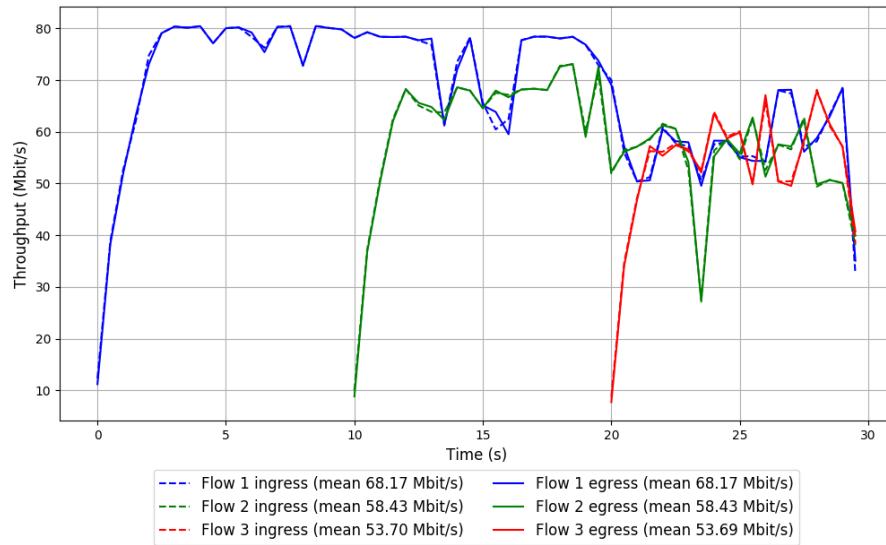


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-12-20 11:29:29
End at: 2017-12-20 11:29:59
Local clock offset: -0.02 ms
Remote clock offset: -1.444 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.63 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.17 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.69 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.01%
```

Run 8: Report of QUIC Cubic — Data Link

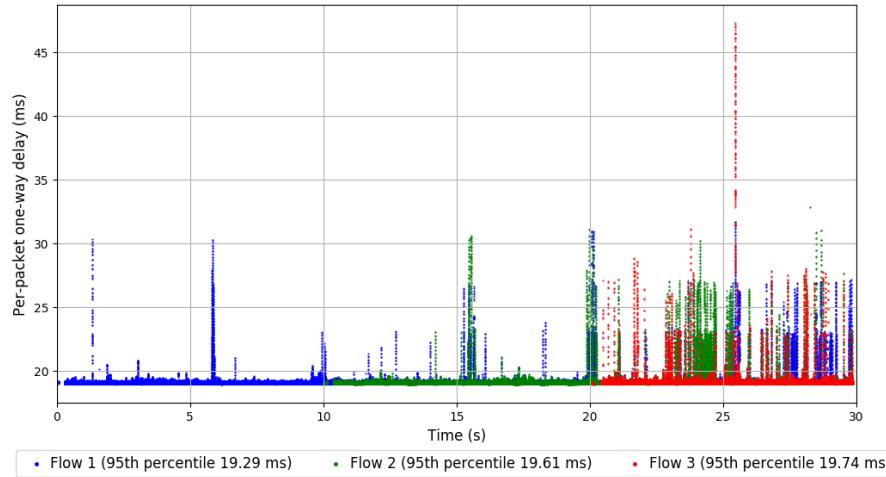
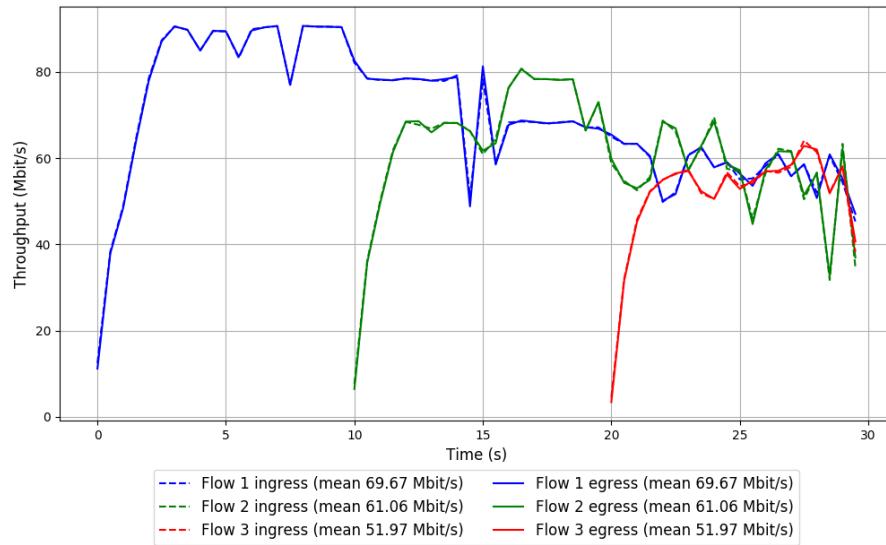


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-12-20 11:51:37
End at: 2017-12-20 11:52:07
Local clock offset: -0.181 ms
Remote clock offset: -1.897 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 127.23 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 19.743 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

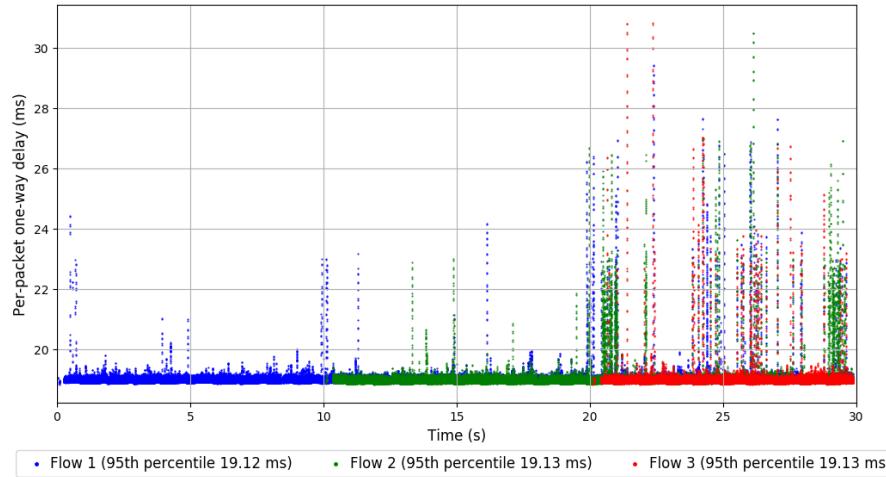
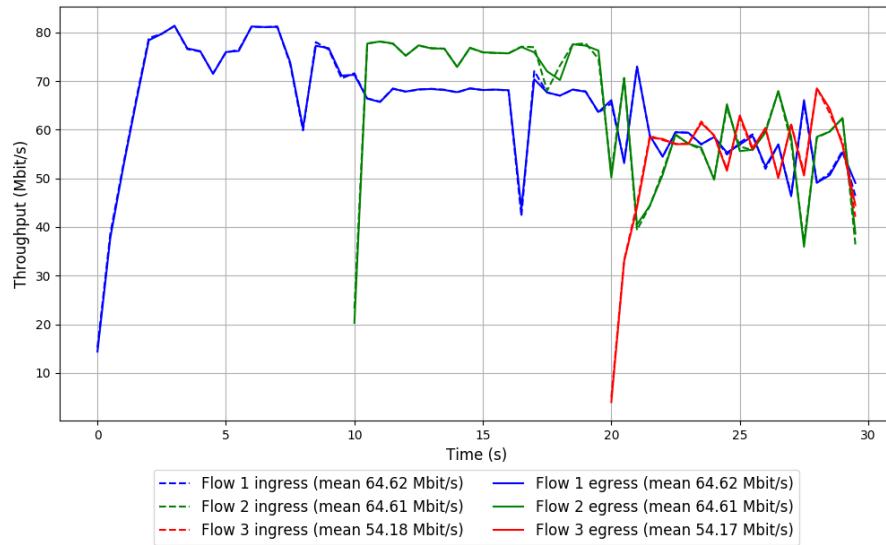


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-12-20 12:13:37
End at: 2017-12-20 12:14:07
Local clock offset: -0.125 ms
Remote clock offset: -2.021 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 125.21 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.17 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

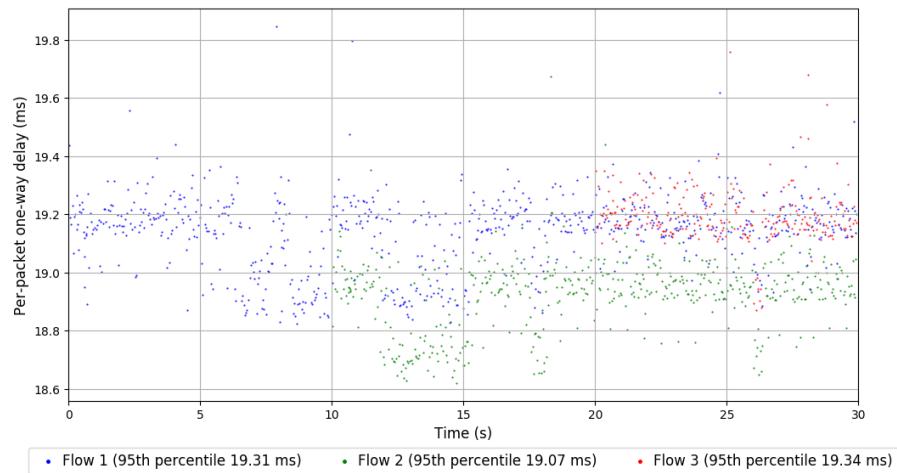
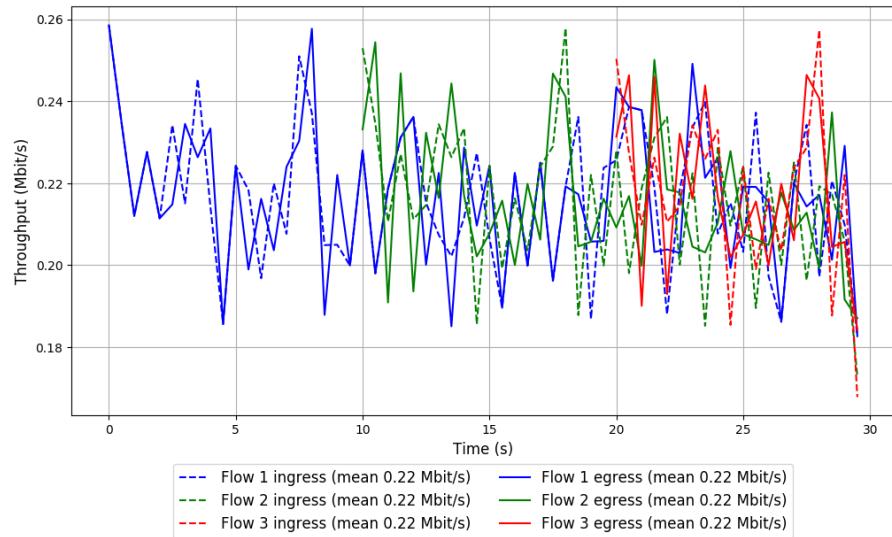


Run 1: Statistics of SCReAM

```
Start at: 2017-12-20 08:44:52
End at: 2017-12-20 08:45:22
Local clock offset: 1.024 ms
Remote clock offset: -0.813 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

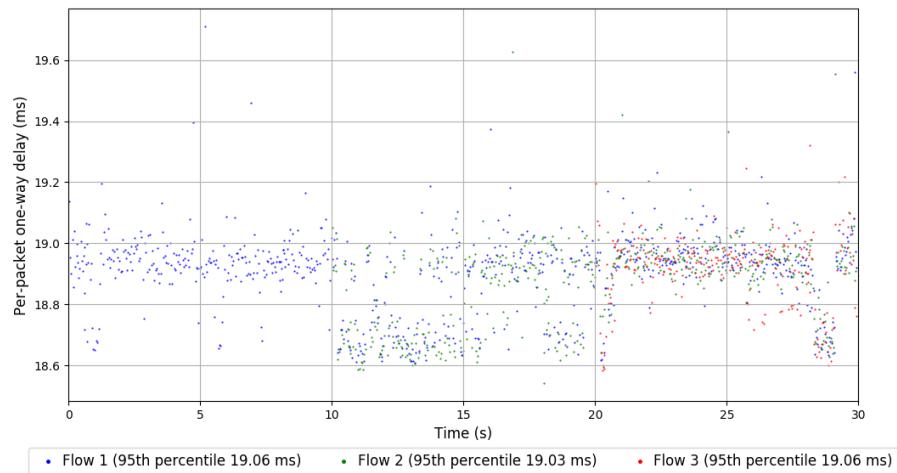
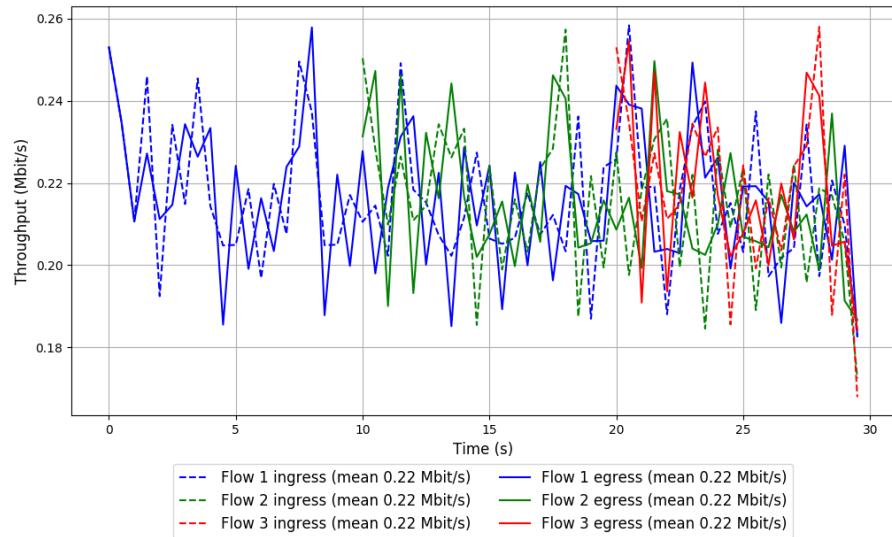


Run 2: Statistics of SCReAM

```
Start at: 2017-12-20 09:06:38
End at: 2017-12-20 09:07:08
Local clock offset: 1.046 ms
Remote clock offset: -0.817 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.00%
```

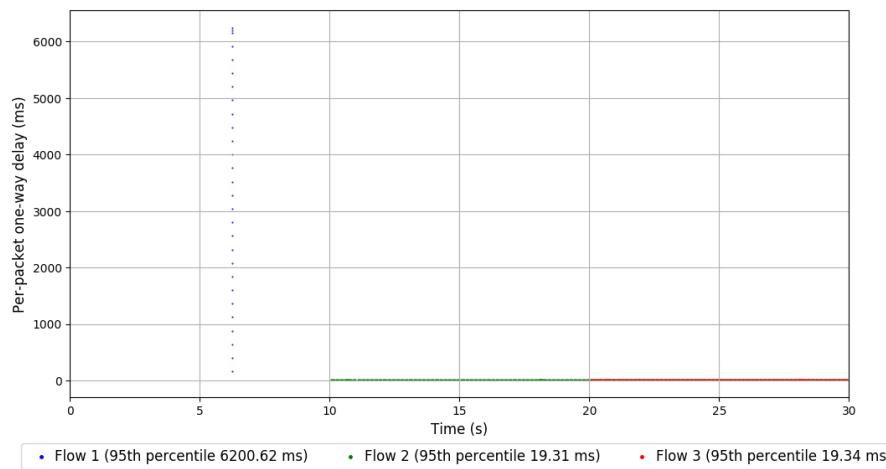
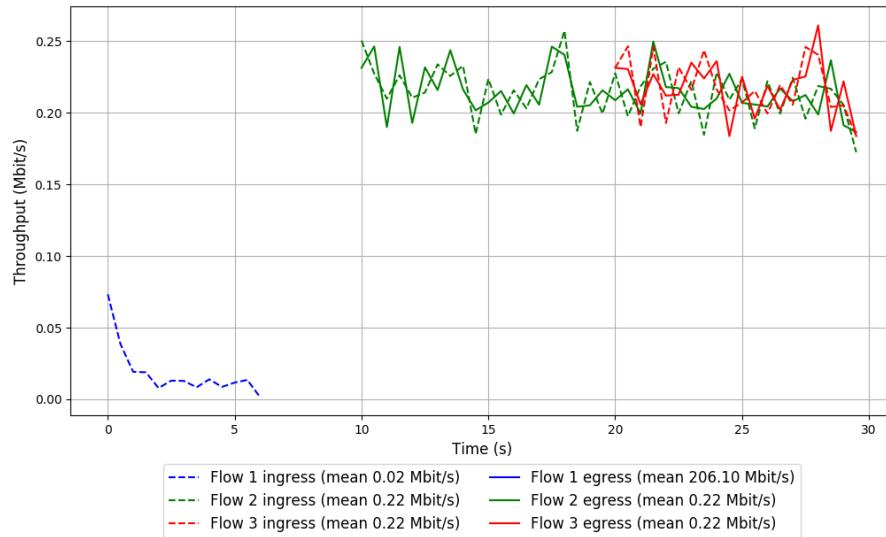
Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-12-20 09:28:23
End at: 2017-12-20 09:28:53
Local clock offset: 1.047 ms
Remote clock offset: -1.062 ms

Run 3: Report of SCReAM — Data Link

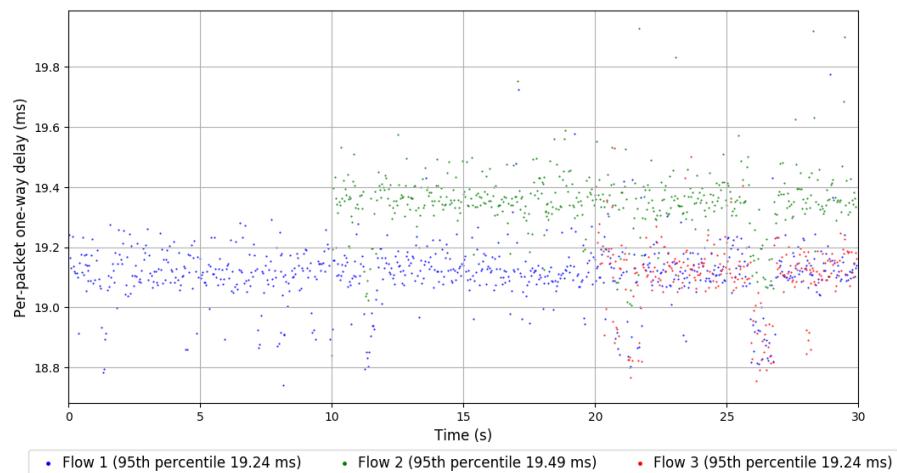
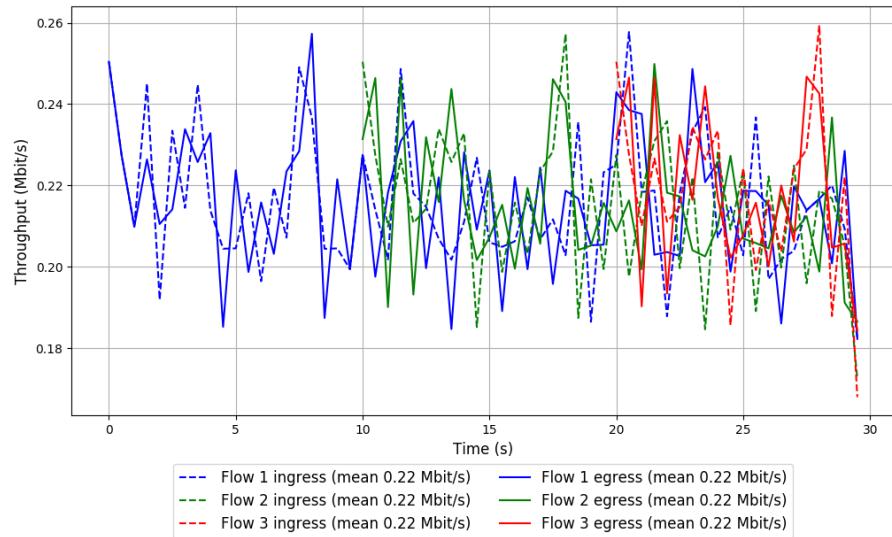


Run 4: Statistics of SCReAM

```
Start at: 2017-12-20 09:50:07
End at: 2017-12-20 09:50:37
Local clock offset: 0.855 ms
Remote clock offset: -0.924 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

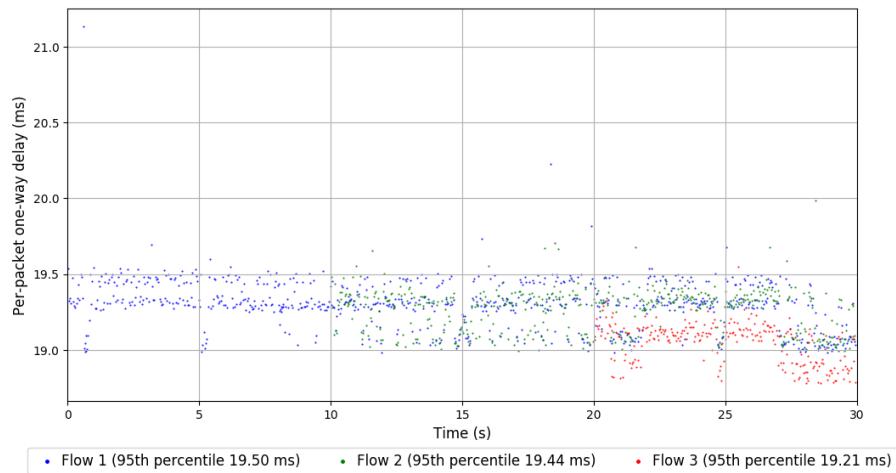
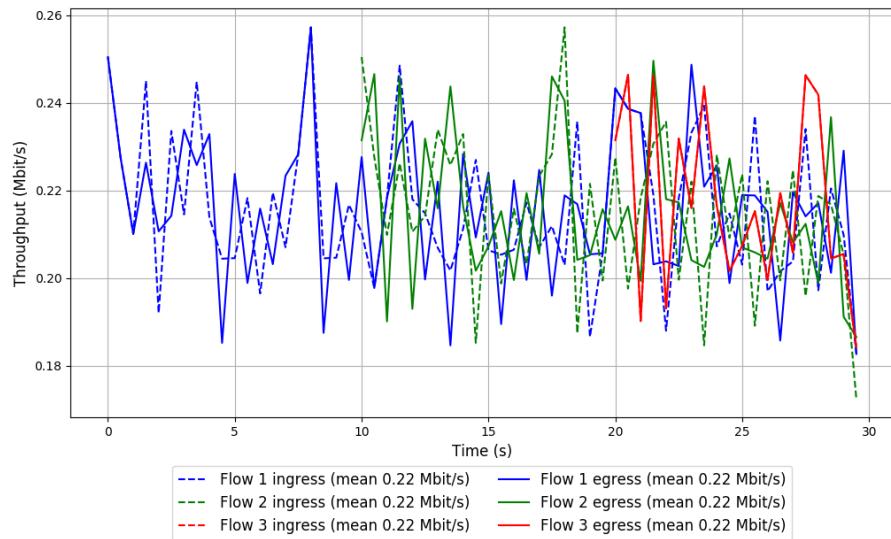


Run 5: Statistics of SCReAM

```
Start at: 2017-12-20 10:11:53
End at: 2017-12-20 10:12:23
Local clock offset: 0.566 ms
Remote clock offset: -1.116 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

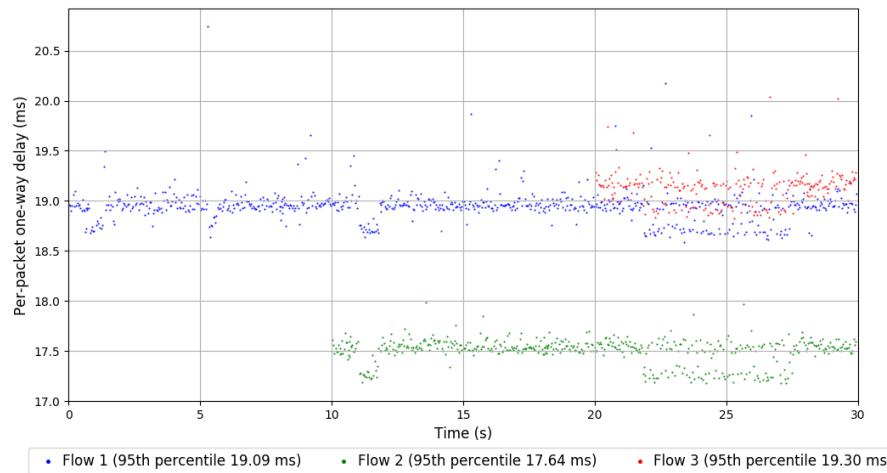
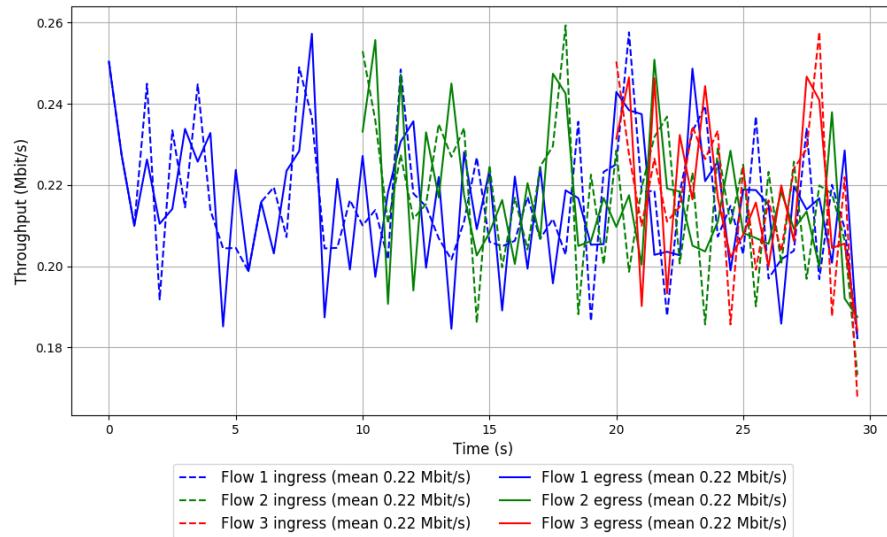


Run 6: Statistics of SCReAM

```
Start at: 2017-12-20 10:33:47
End at: 2017-12-20 10:34:17
Local clock offset: 0.35 ms
Remote clock offset: -1.235 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.645 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.305 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

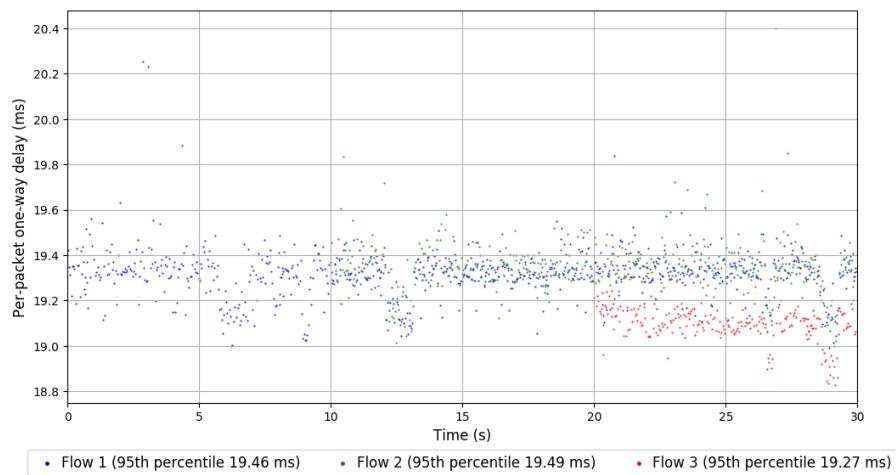
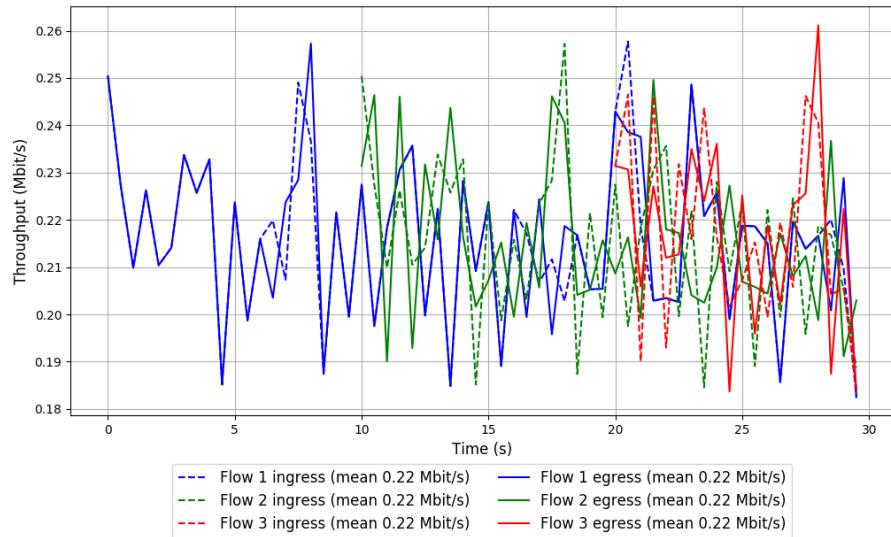


Run 7: Statistics of SCReAM

```
Start at: 2017-12-20 10:55:46
End at: 2017-12-20 10:56:16
Local clock offset: 0.041 ms
Remote clock offset: -1.079 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

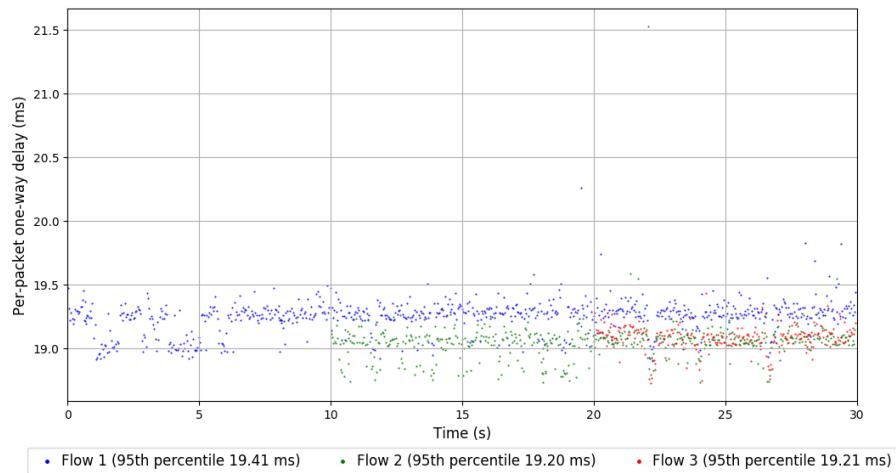
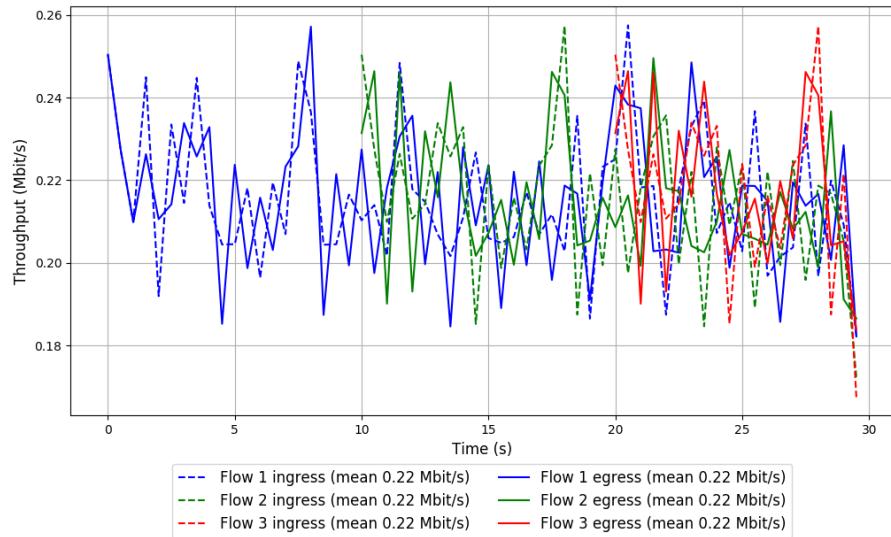


Run 8: Statistics of SCReAM

```
Start at: 2017-12-20 11:17:36
End at: 2017-12-20 11:18:06
Local clock offset: -0.106 ms
Remote clock offset: -1.206 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

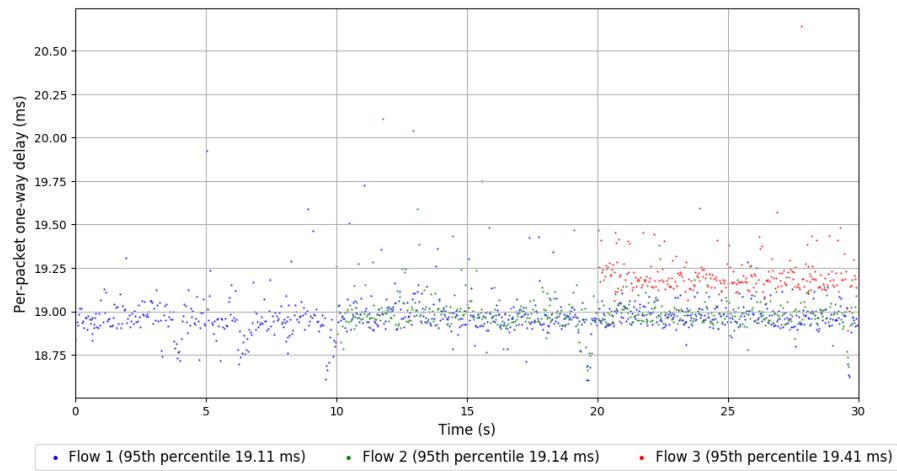
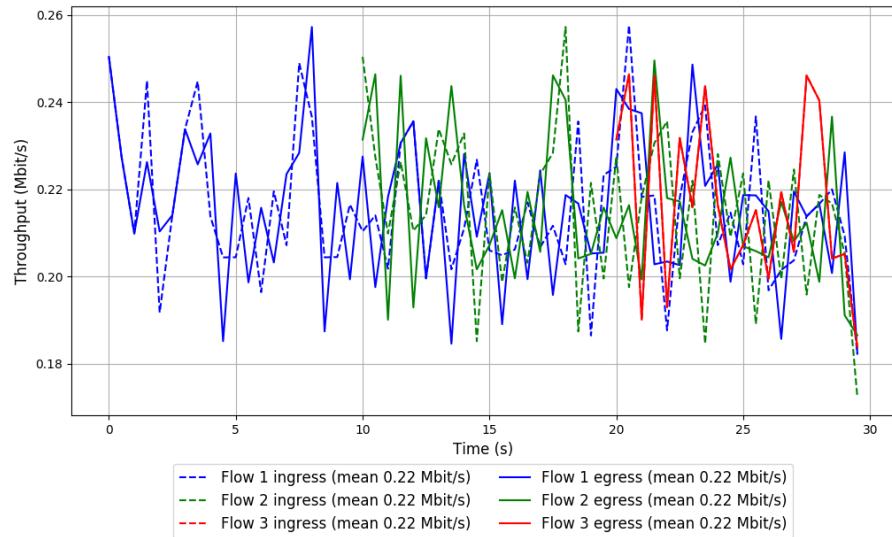


Run 9: Statistics of SCReAM

```
Start at: 2017-12-20 11:39:23
End at: 2017-12-20 11:39:53
Local clock offset: -0.102 ms
Remote clock offset: -1.708 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

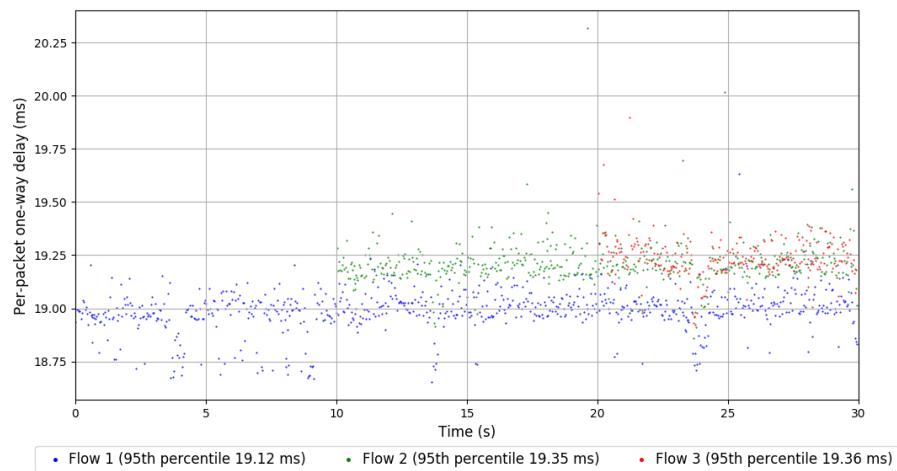
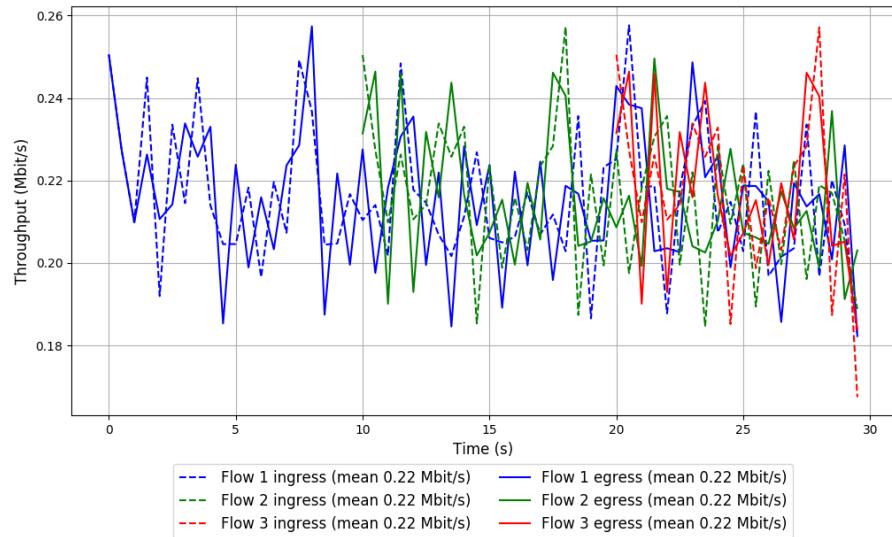


Run 10: Statistics of SCReAM

```
Start at: 2017-12-20 12:01:29
End at: 2017-12-20 12:01:59
Local clock offset: -0.12 ms
Remote clock offset: -2.132 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

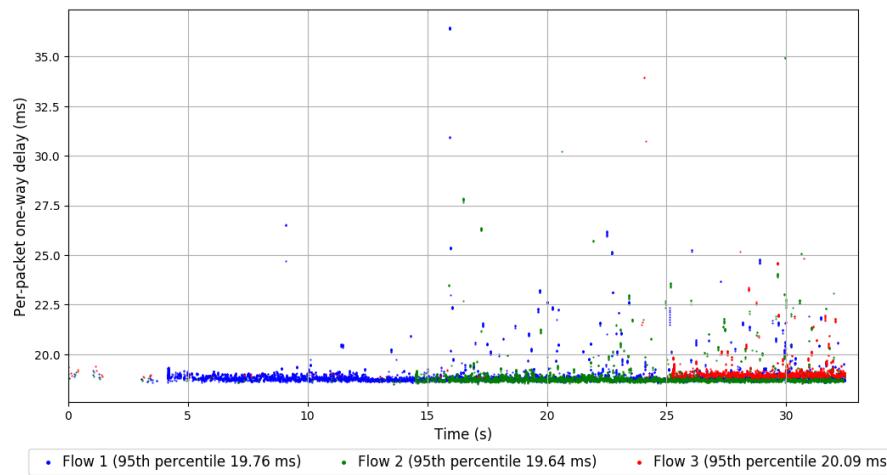
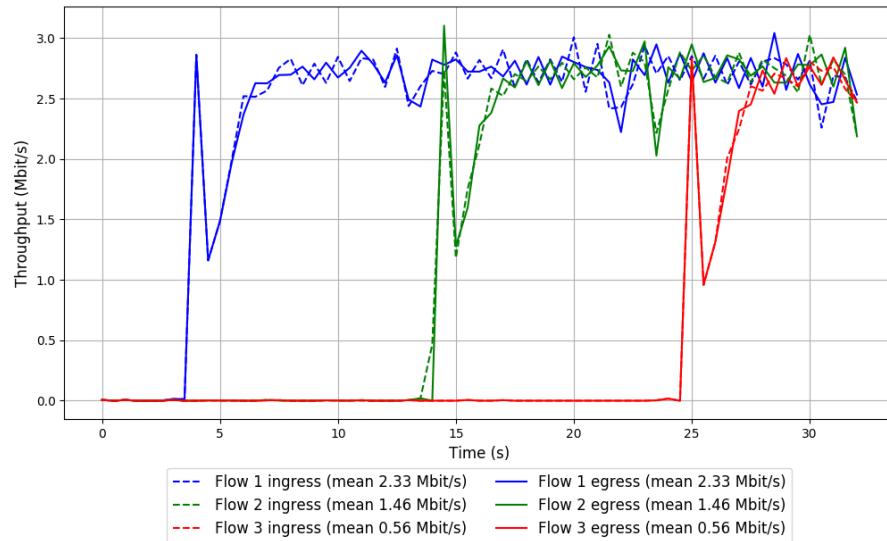


Run 1: Statistics of WebRTC media

```
Start at: 2017-12-20 08:58:10
End at: 2017-12-20 08:58:40
Local clock offset: 1.022 ms
Remote clock offset: -0.743 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 19.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 19.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.089 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

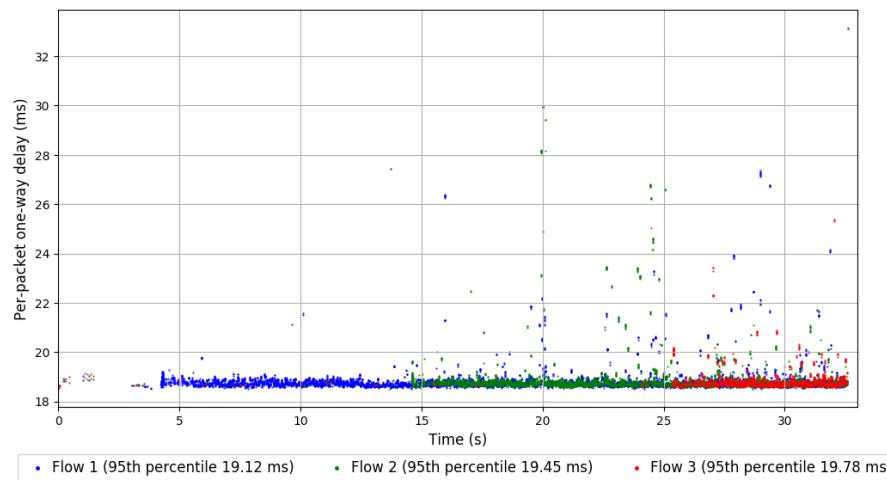
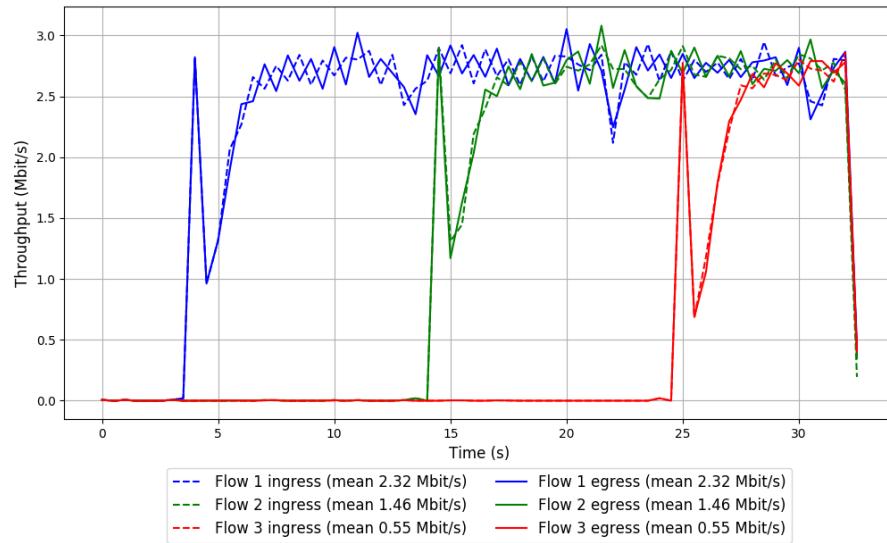


Run 2: Statistics of WebRTC media

```
Start at: 2017-12-20 09:20:00
End at: 2017-12-20 09:20:30
Local clock offset: 1.064 ms
Remote clock offset: -1.086 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 19.777 ms
Loss rate: 0.16%
```

Run 2: Report of WebRTC media — Data Link

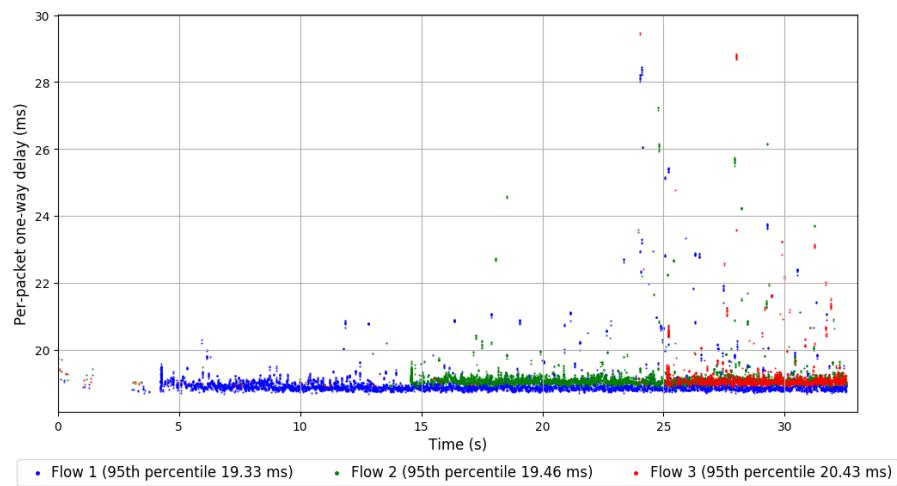
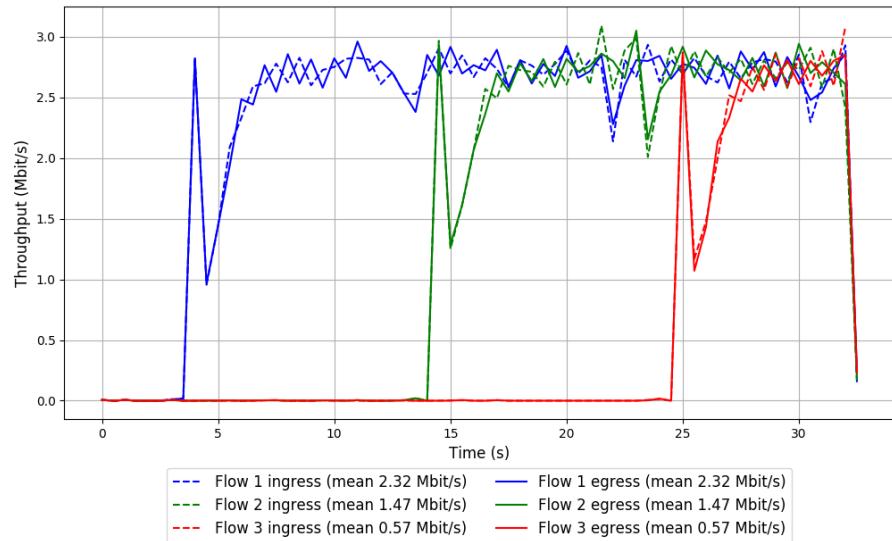


Run 3: Statistics of WebRTC media

```
Start at: 2017-12-20 09:41:49
End at: 2017-12-20 09:42:19
Local clock offset: 0.975 ms
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 20.425 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

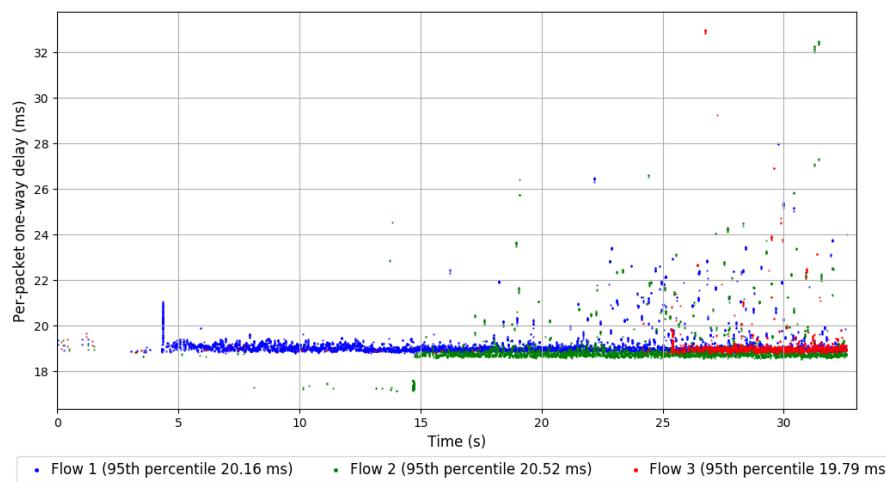
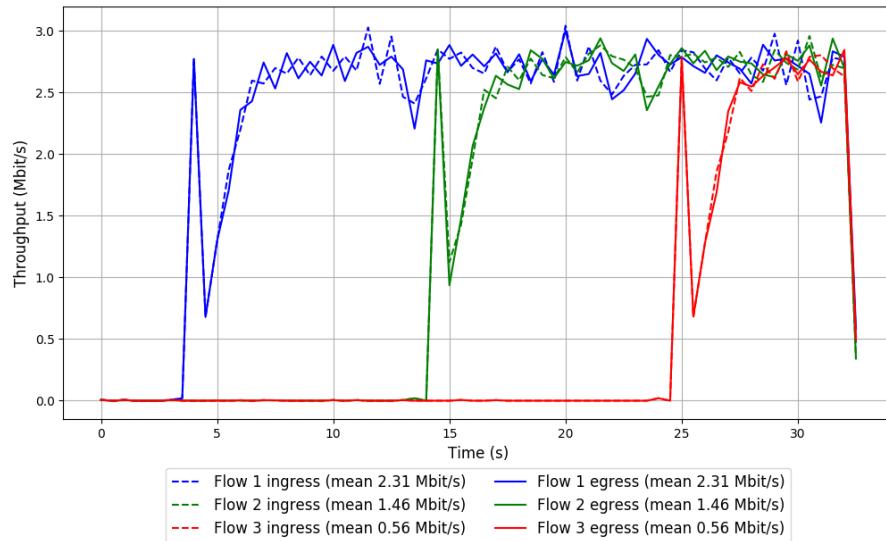


Run 4: Statistics of WebRTC media

```
Start at: 2017-12-20 10:03:33
End at: 2017-12-20 10:04:03
Local clock offset: 0.768 ms
Remote clock offset: -1.075 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 20.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 20.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 20.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.789 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

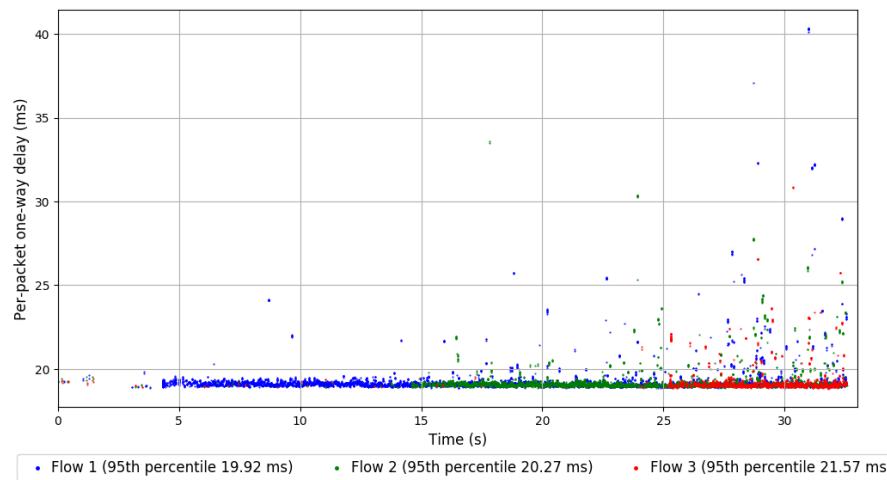
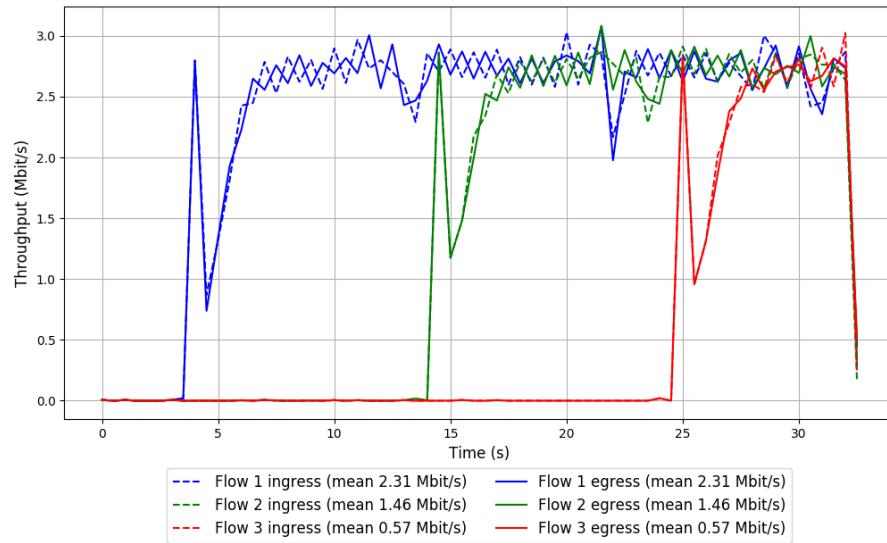


Run 5: Statistics of WebRTC media

```
Start at: 2017-12-20 10:25:27
End at: 2017-12-20 10:25:57
Local clock offset: 0.302 ms
Remote clock offset: -1.415 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 20.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 20.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21.570 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

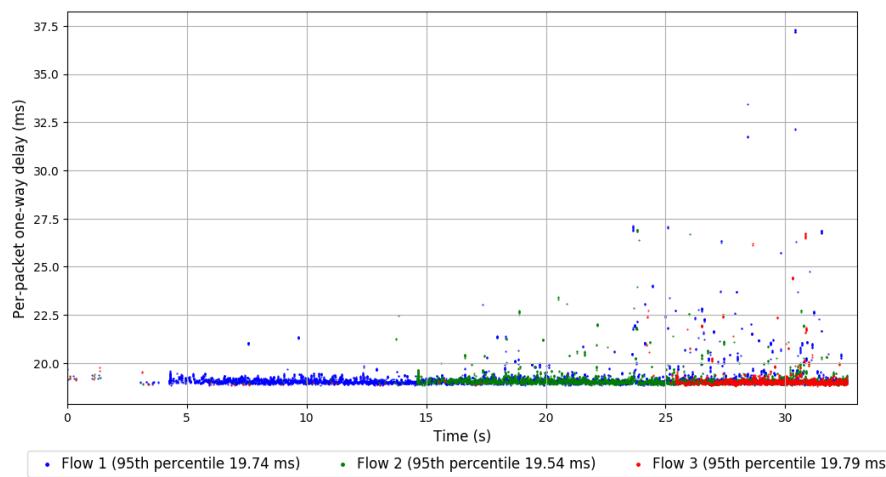
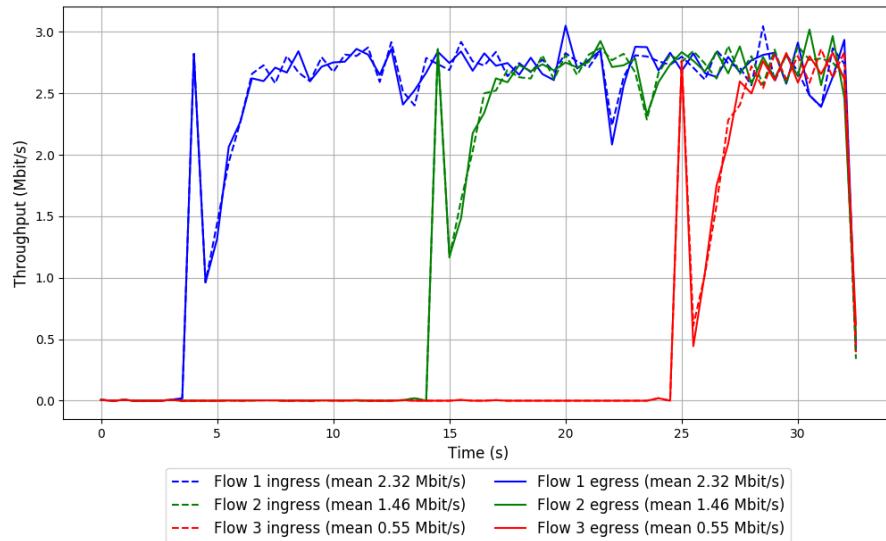


Run 6: Statistics of WebRTC media

```
Start at: 2017-12-20 10:47:08
End at: 2017-12-20 10:47:38
Local clock offset: 0.131 ms
Remote clock offset: -1.072 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 19.791 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

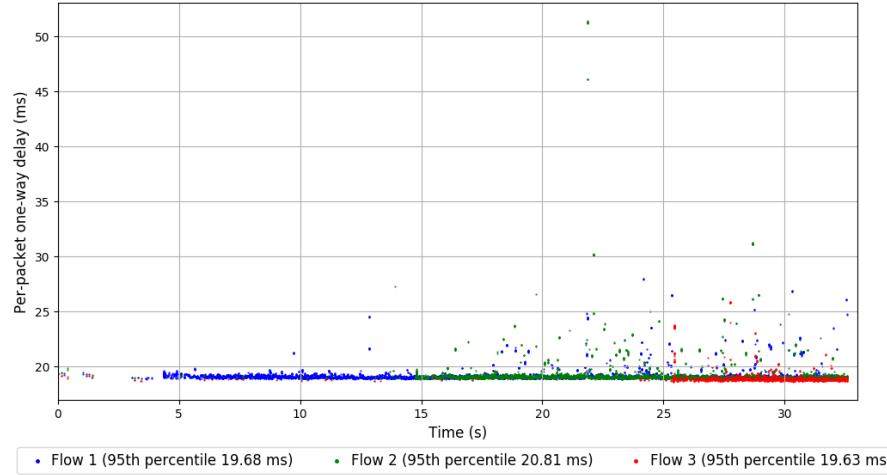
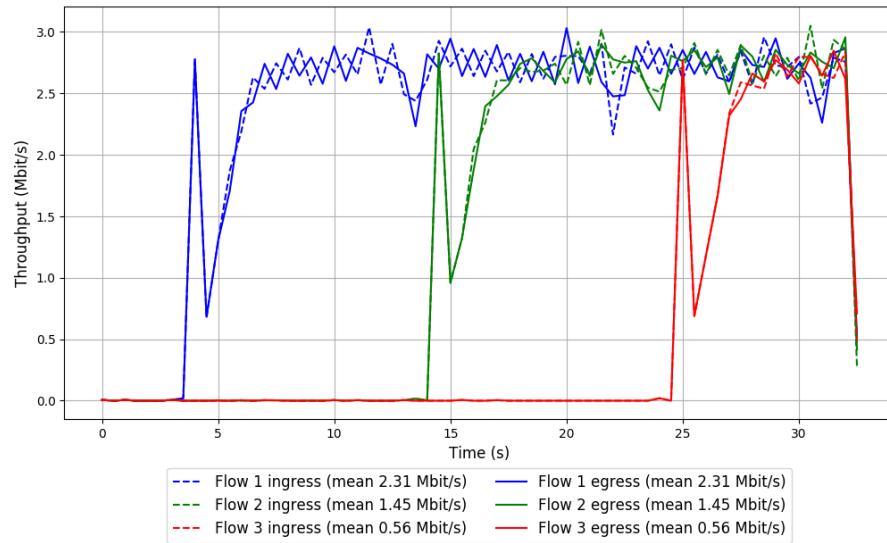


Run 7: Statistics of WebRTC media

```
Start at: 2017-12-20 11:09:13
End at: 2017-12-20 11:09:43
Local clock offset: 0.063 ms
Remote clock offset: -1.152 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 19.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 20.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.632 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

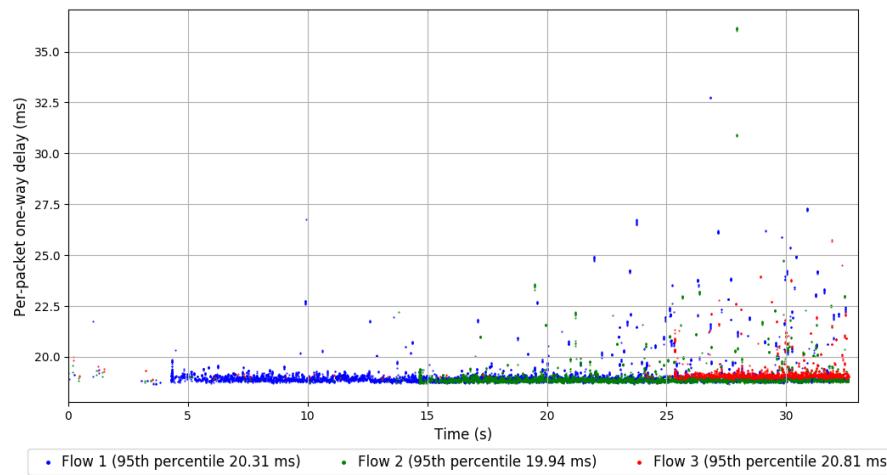
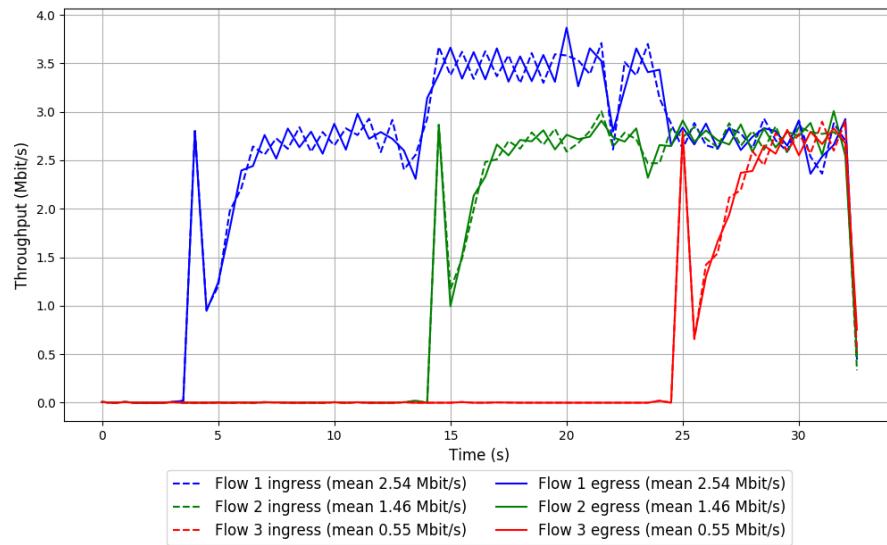


Run 8: Statistics of WebRTC media

```
Start at: 2017-12-20 11:30:46
End at: 2017-12-20 11:31:16
Local clock offset: -0.056 ms
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 20.251 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 20.310 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 20.810 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

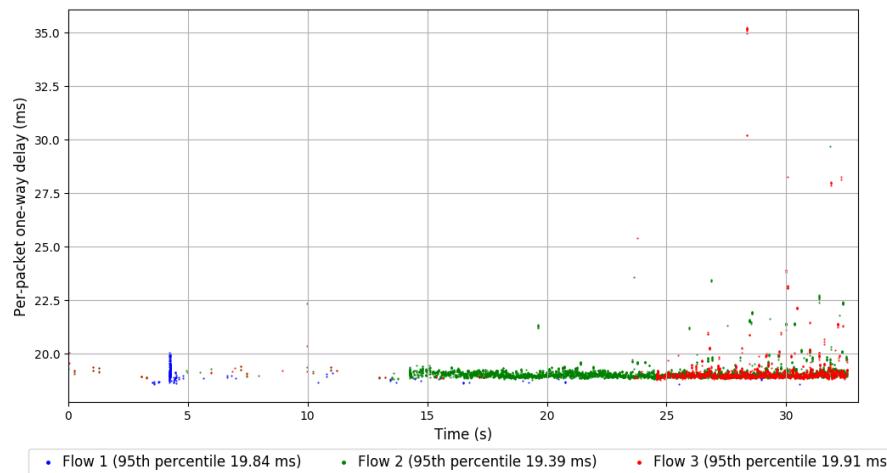
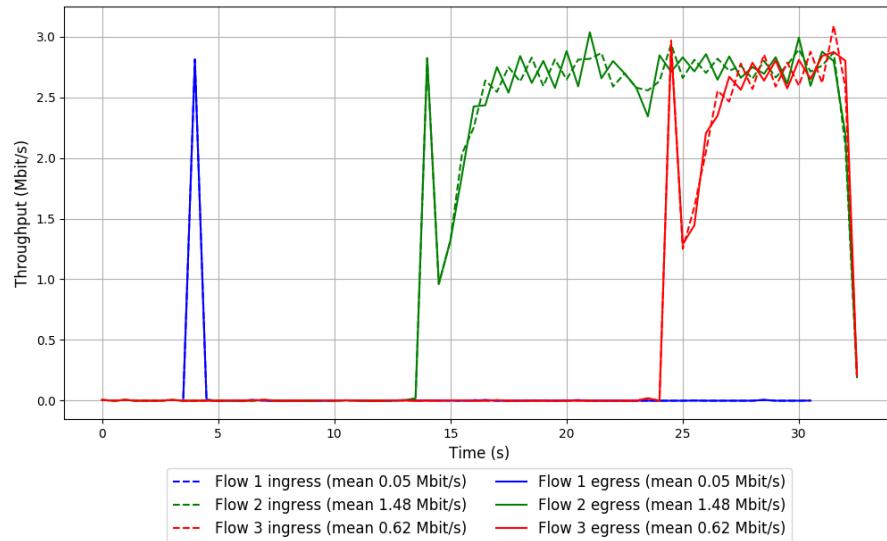


Run 9: Statistics of WebRTC media

```
Start at: 2017-12-20 11:52:54
End at: 2017-12-20 11:53:24
Local clock offset: -0.108 ms
Remote clock offset: -1.998 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 19.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 19.913 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

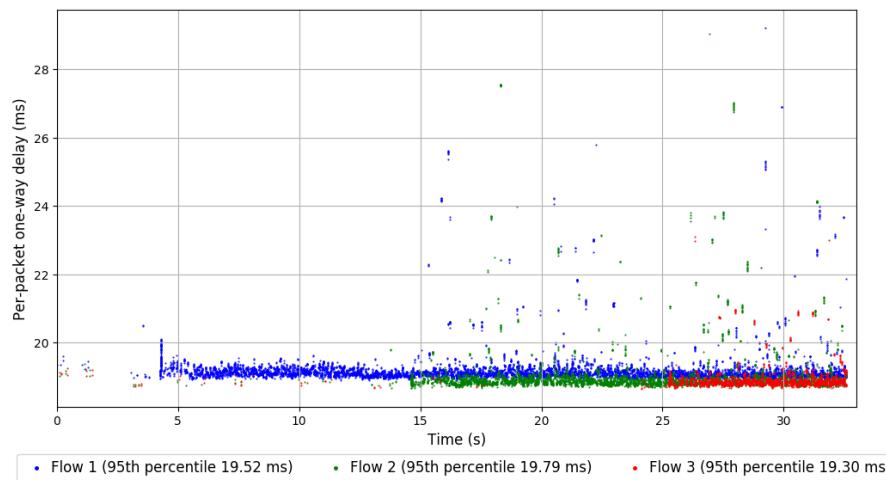
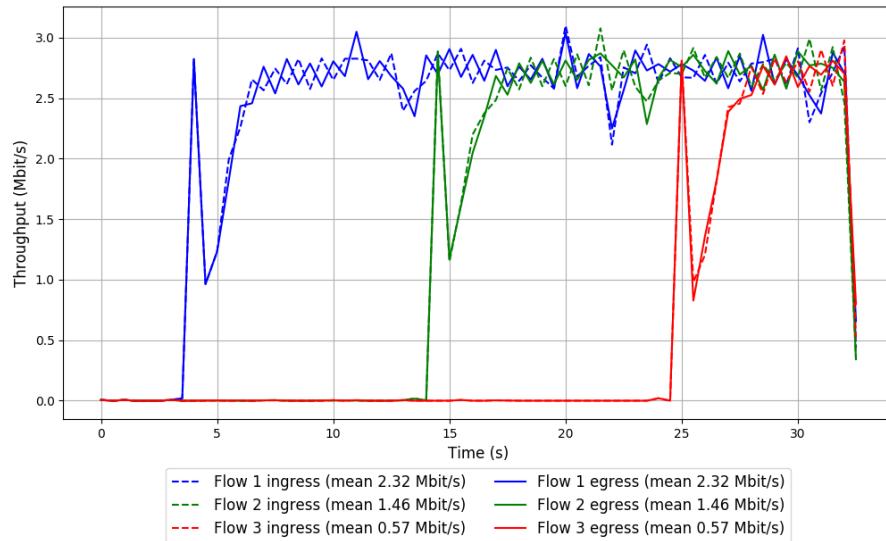


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-12-20 12:14:53
End at: 2017-12-20 12:15:23
Local clock offset: -0.225 ms
Remote clock offset: -2.046 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 19.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

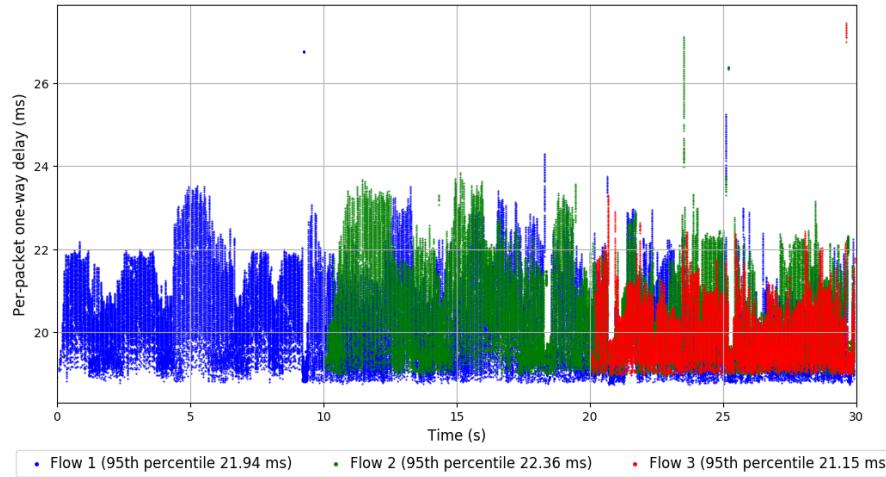
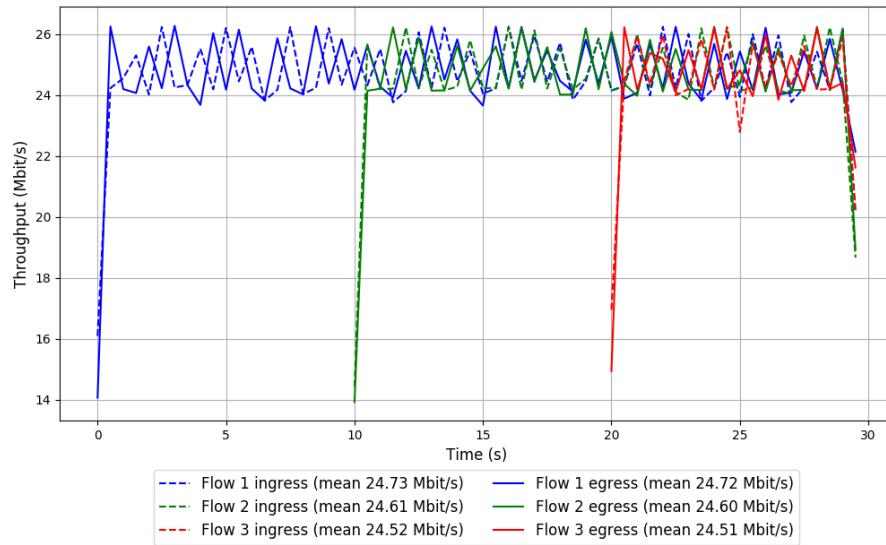


Run 1: Statistics of Sprout

```
Start at: 2017-12-20 08:42:14
End at: 2017-12-20 08:42:44
Local clock offset: 0.953 ms
Remote clock offset: -0.808 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 22.359 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.151 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

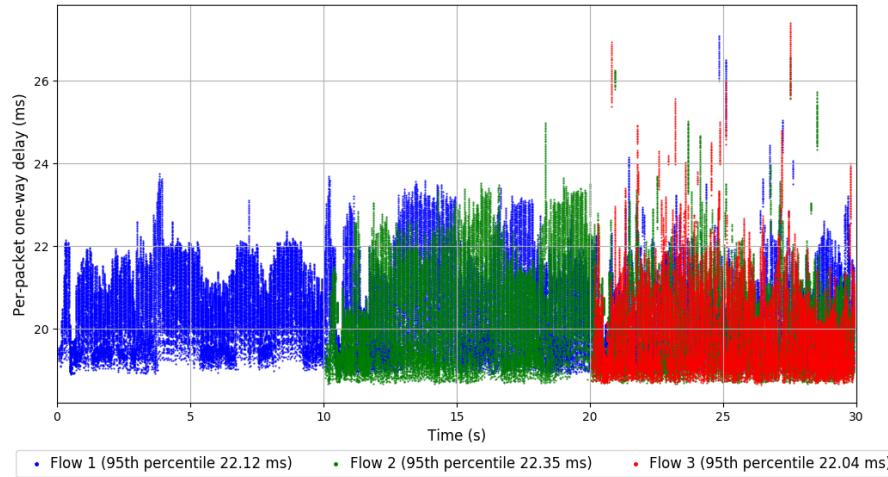
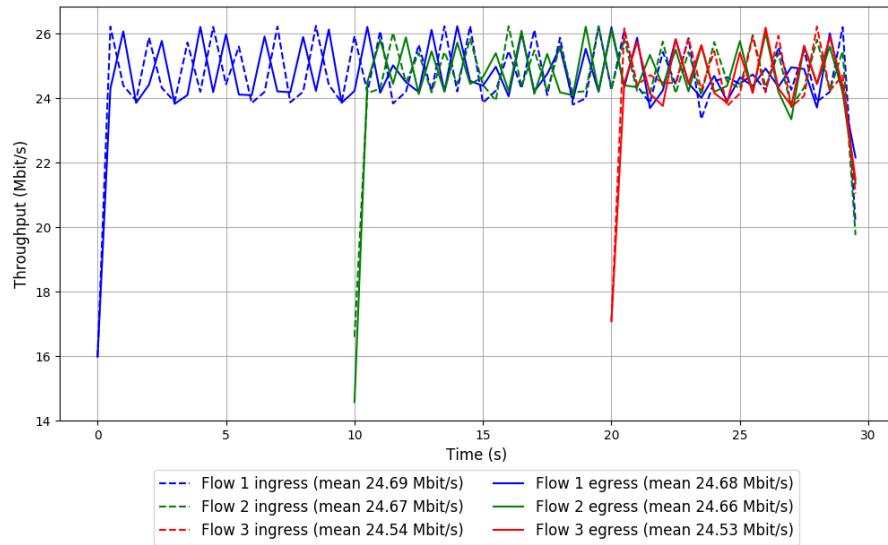


Run 2: Statistics of Sprout

```
Start at: 2017-12-20 09:03:52
End at: 2017-12-20 09:04:22
Local clock offset: 1.041 ms
Remote clock offset: -0.699 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 22.203 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.116 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.348 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 22.043 ms
Loss rate: 0.01%
```

Run 2: Report of Sprout — Data Link

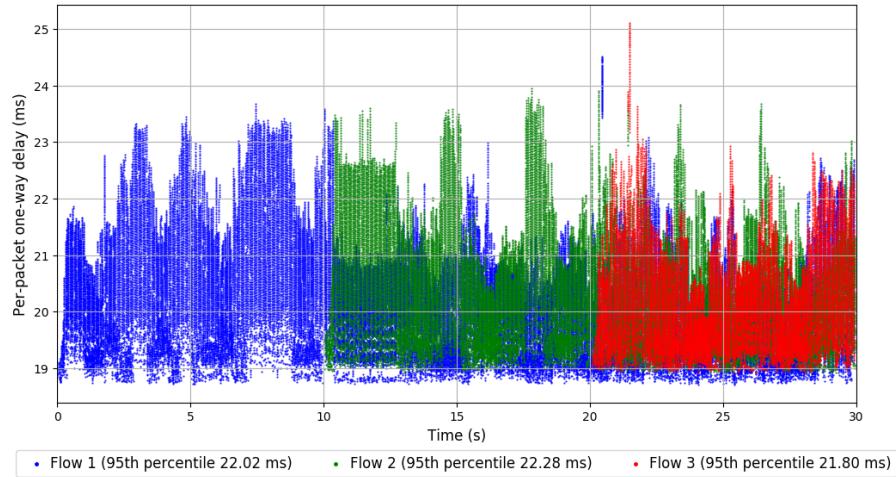
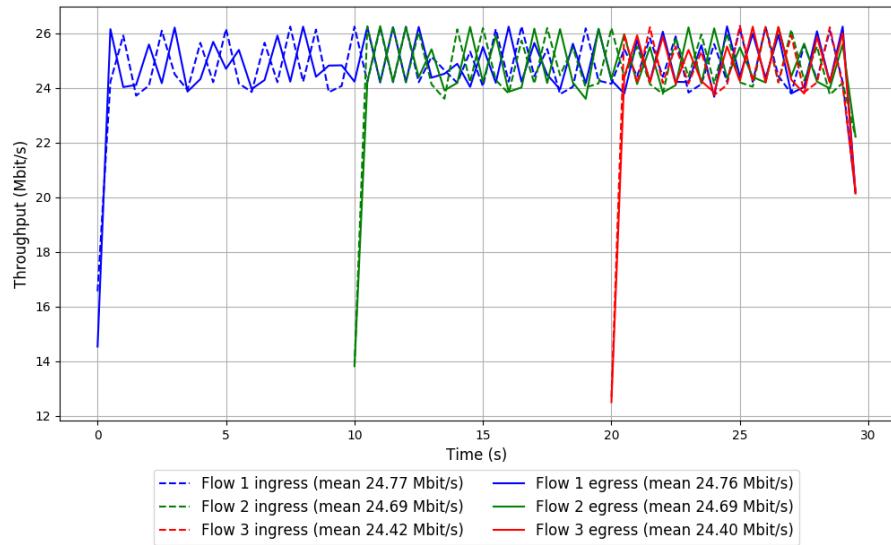


Run 3: Statistics of Sprout

```
Start at: 2017-12-20 09:25:42
End at: 2017-12-20 09:26:12
Local clock offset: 1.068 ms
Remote clock offset: -0.961 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 22.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.805 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

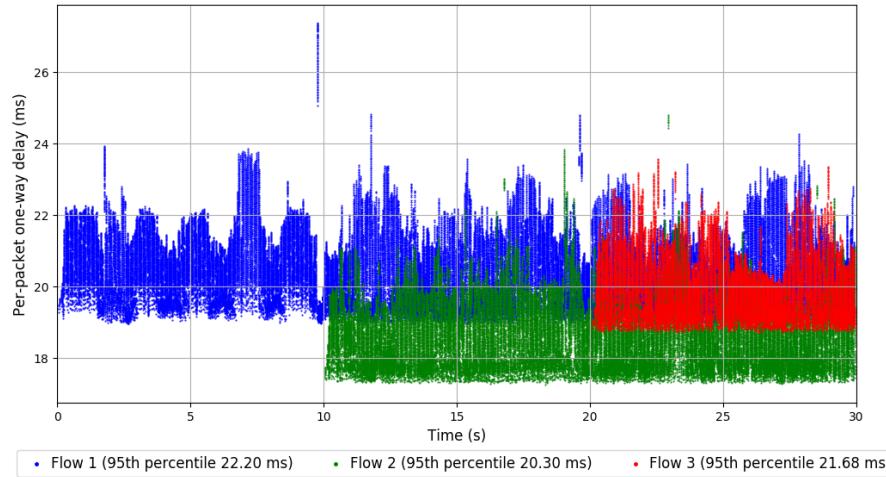
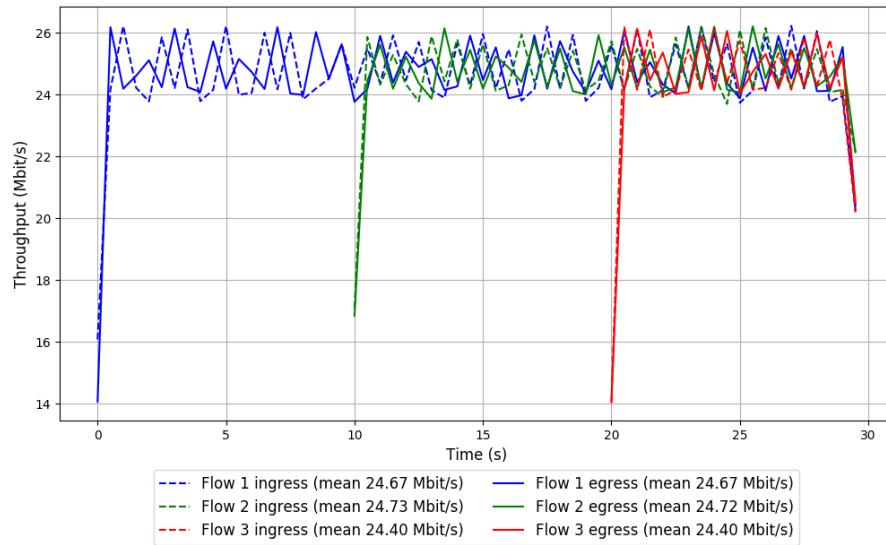


Run 4: Statistics of Sprout

```
Start at: 2017-12-20 09:47:30
End at: 2017-12-20 09:48:00
Local clock offset: 0.943 ms
Remote clock offset: -0.95 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 21.878 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.197 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.685 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

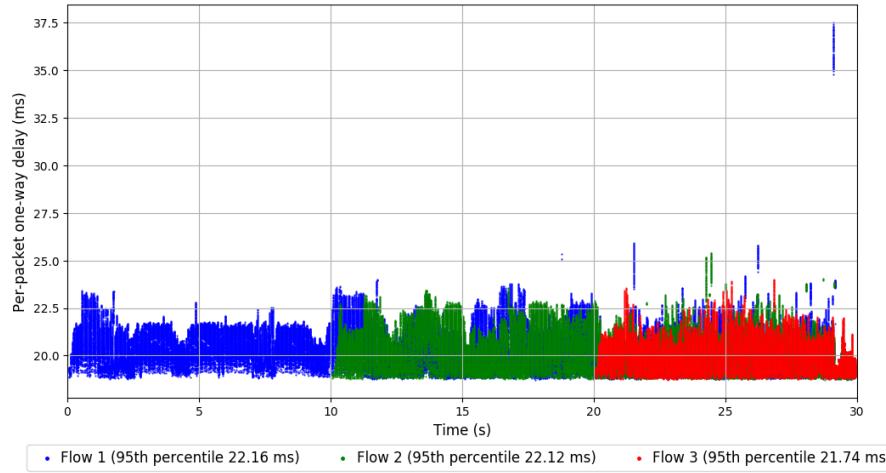
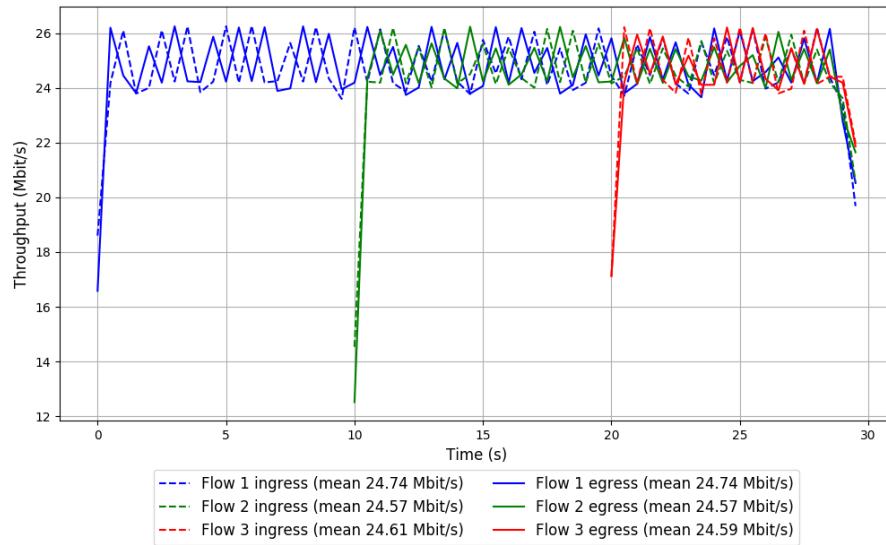


Run 5: Statistics of Sprout

```
Start at: 2017-12-20 10:09:14
End at: 2017-12-20 10:09:44
Local clock offset: 0.551 ms
Remote clock offset: -1.131 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 22.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 21.737 ms
Loss rate: 0.07%
```

Run 5: Report of Sprout — Data Link

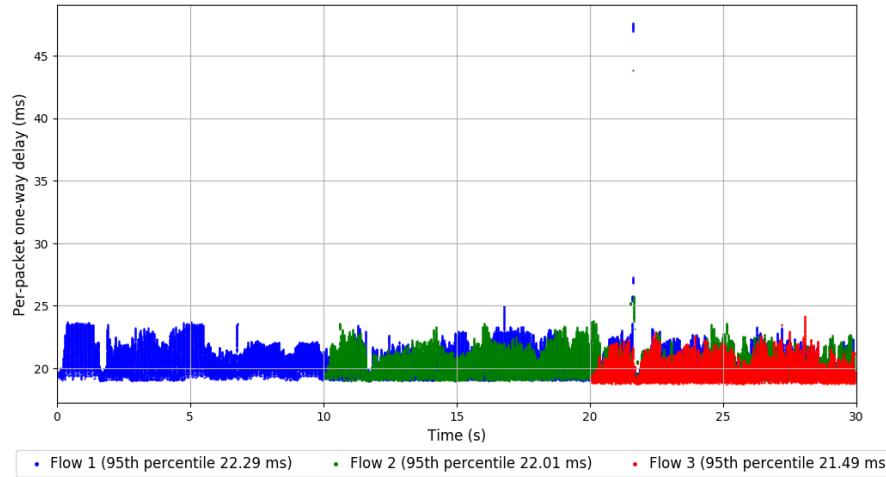
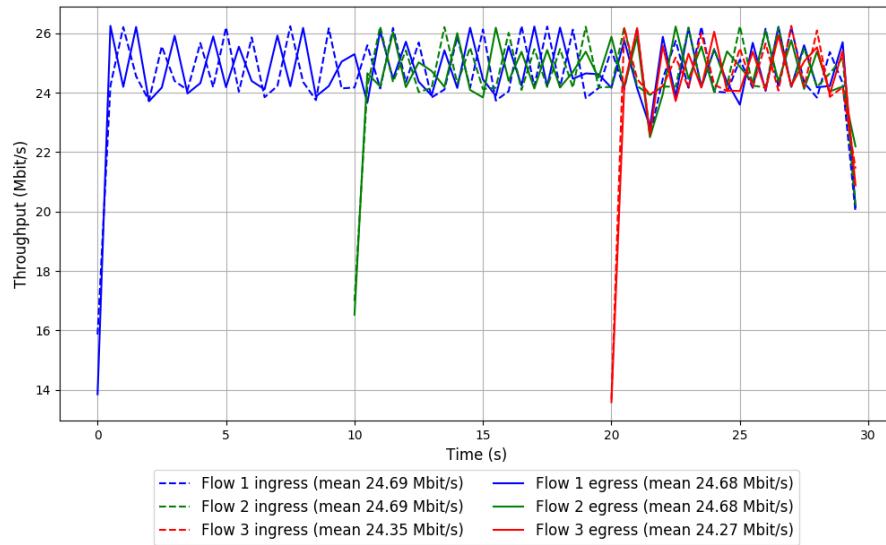


Run 6: Statistics of Sprout

```
Start at: 2017-12-20 10:31:06
End at: 2017-12-20 10:31:36
Local clock offset: 0.326 ms
Remote clock offset: -1.178 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.07 Mbit/s
95th percentile per-packet one-way delay: 22.084 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.291 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 21.494 ms
Loss rate: 0.33%
```

Run 6: Report of Sprout — Data Link

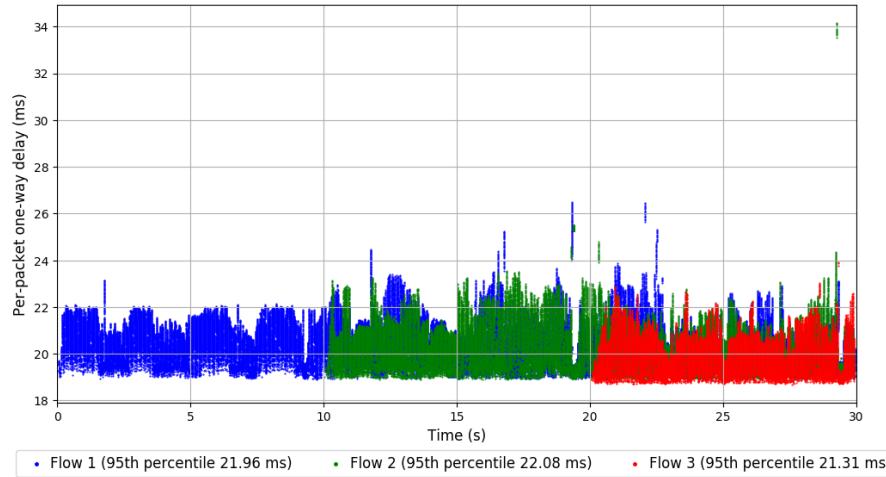
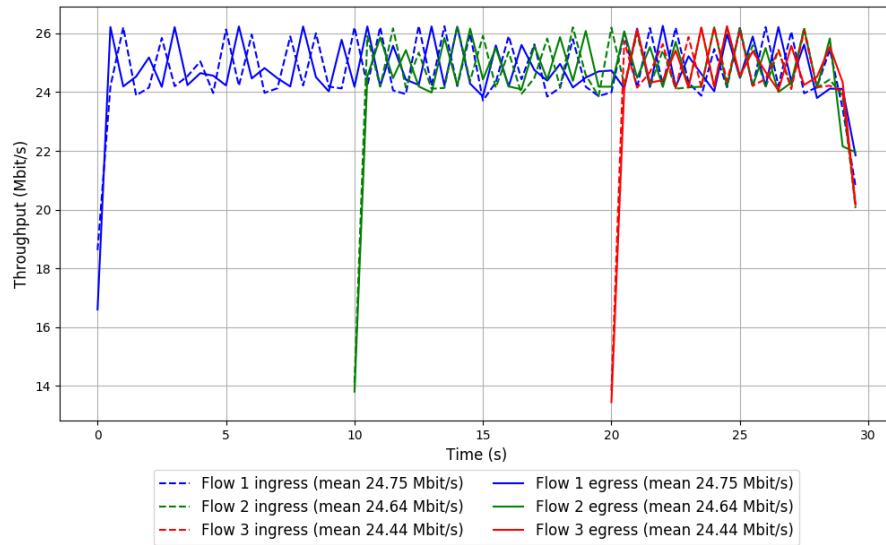


Run 7: Statistics of Sprout

```
Start at: 2017-12-20 10:53:08
End at: 2017-12-20 10:53:39
Local clock offset: 0.09 ms
Remote clock offset: -1.076 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 21.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 21.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 22.084 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.311 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

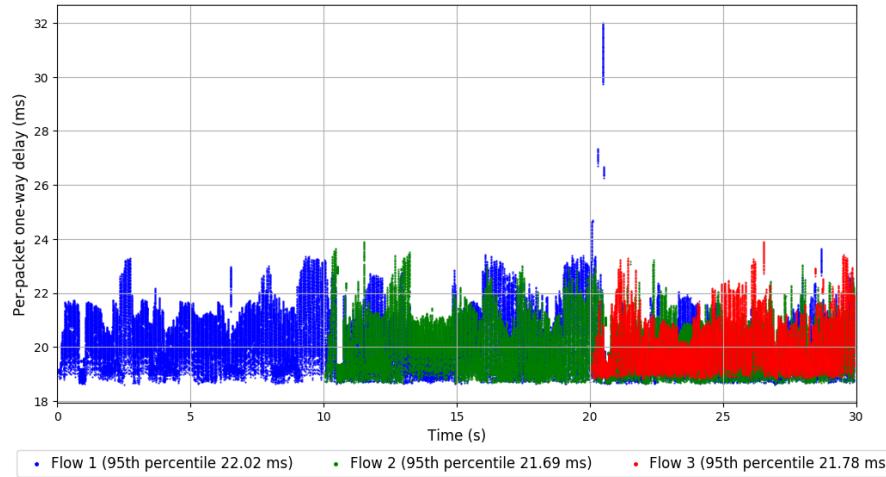
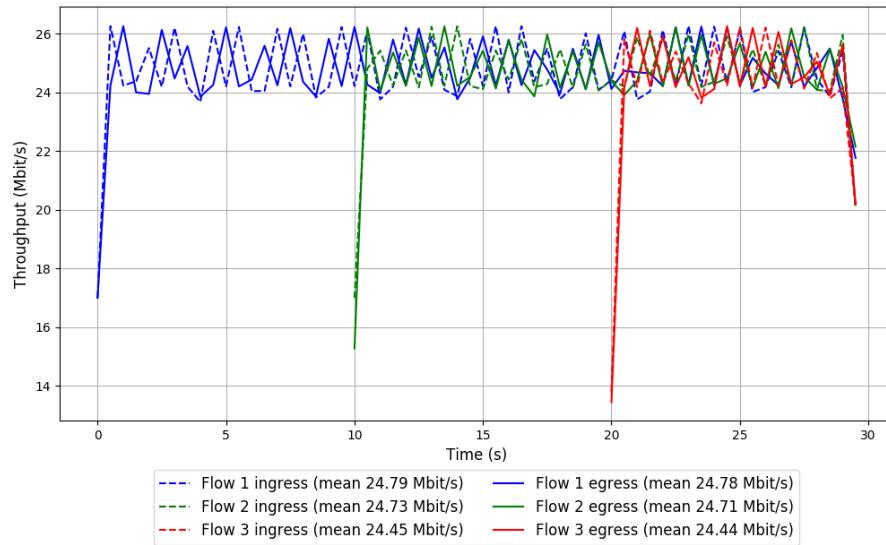


Run 8: Statistics of Sprout

```
Start at: 2017-12-20 11:14:57
End at: 2017-12-20 11:15:27
Local clock offset: 0.037 ms
Remote clock offset: -1.144 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 21.863 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 21.688 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.783 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

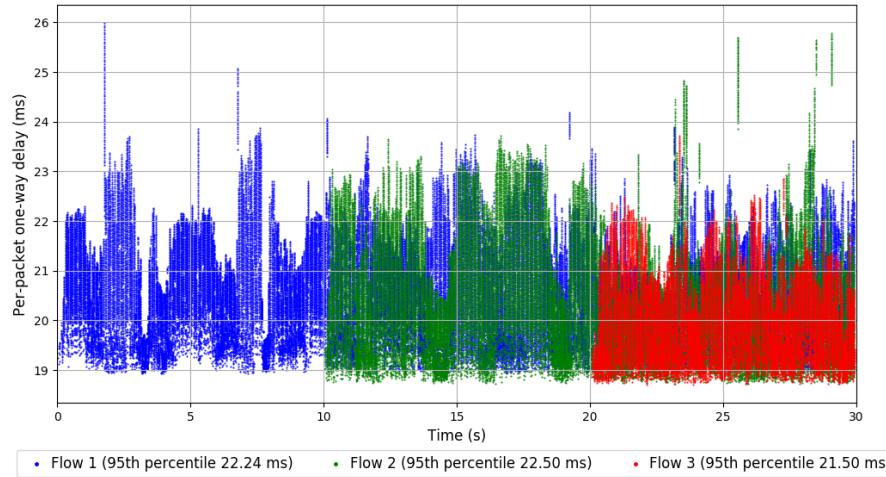
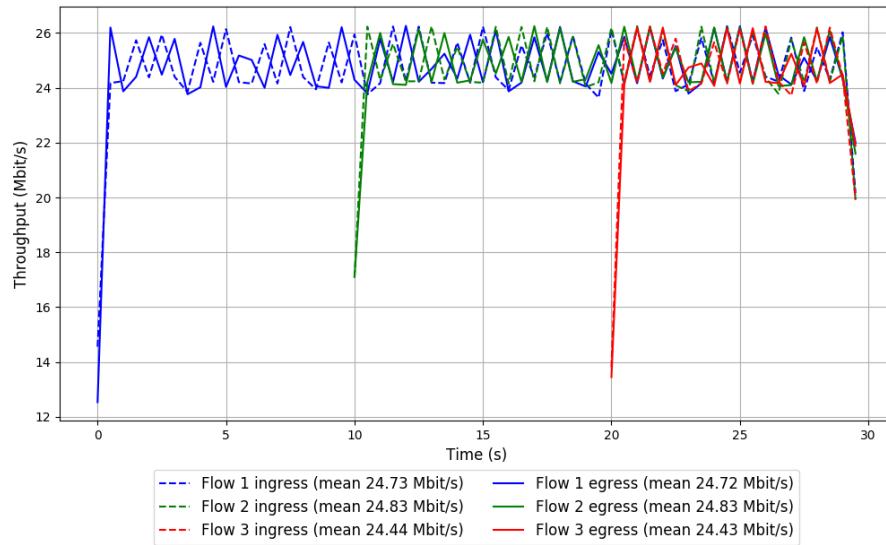


Run 9: Statistics of Sprout

```
Start at: 2017-12-20 11:36:45
End at: 2017-12-20 11:37:15
Local clock offset: -0.101 ms
Remote clock offset: -1.553 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 22.243 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.244 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 22.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.495 ms
Loss rate: 0.03%
```

Run 9: Report of Sprout — Data Link

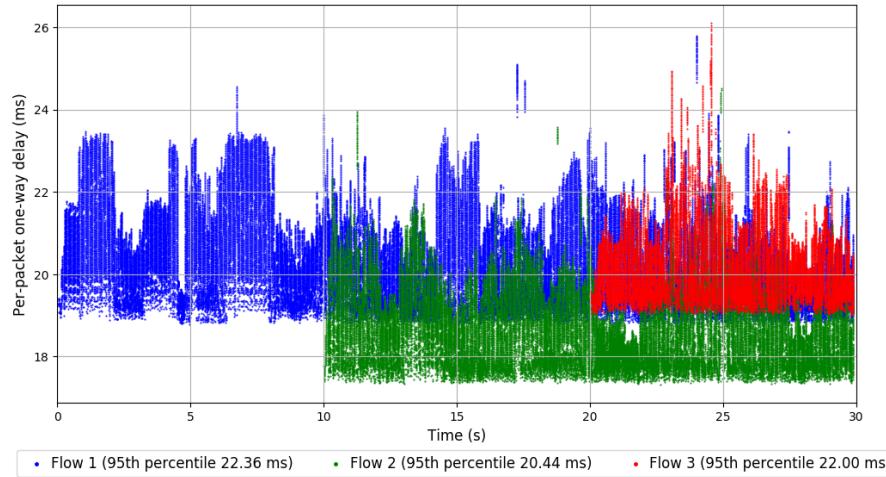
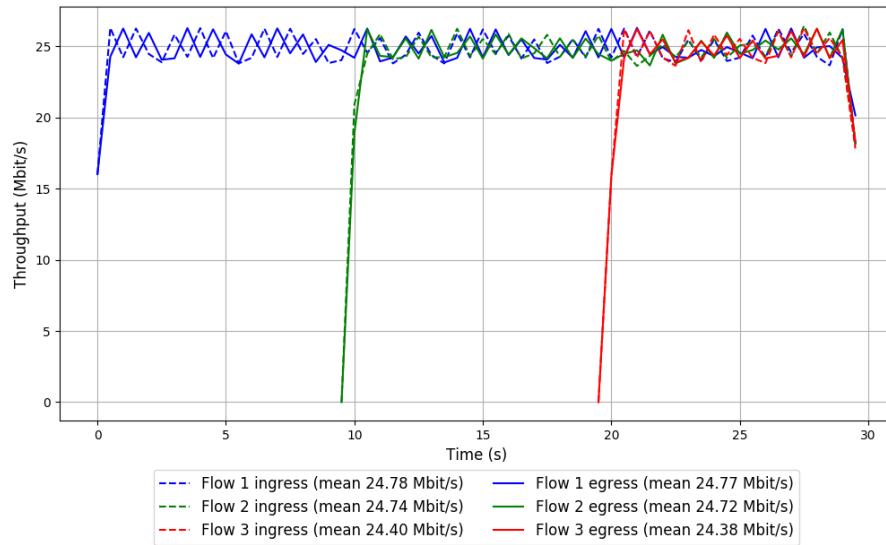


Run 10: Statistics of Sprout

```
Start at: 2017-12-20 11:58:51
End at: 2017-12-20 11:59:21
Local clock offset: -0.176 ms
Remote clock offset: -2.002 ms

# Below is generated by plot.py at 2017-12-20 15:06:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 21.975 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.362 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.441 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 22.004 ms
Loss rate: 0.08%
```

Run 10: Report of Sprout — Data Link

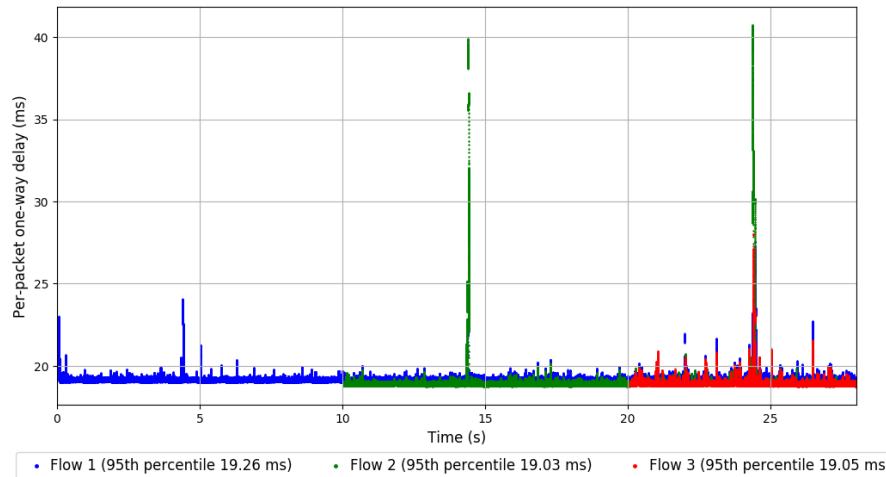
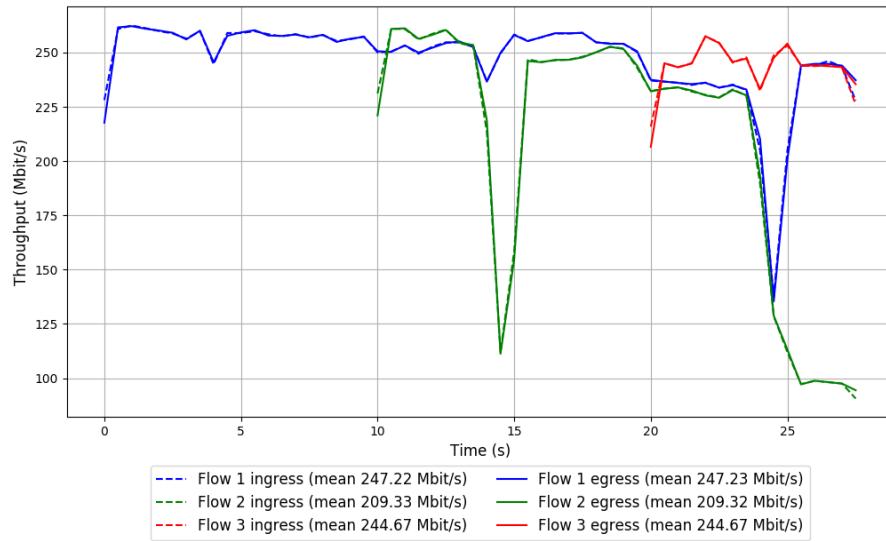


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-12-20 08:53:36
End at: 2017-12-20 08:54:06
Local clock offset: 0.926 ms
Remote clock offset: -0.644 ms

# Below is generated by plot.py at 2017-12-20 15:12:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 451.18 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.23 Mbit/s
95th percentile per-packet one-way delay: 19.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 209.32 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 244.67 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.00%
```

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

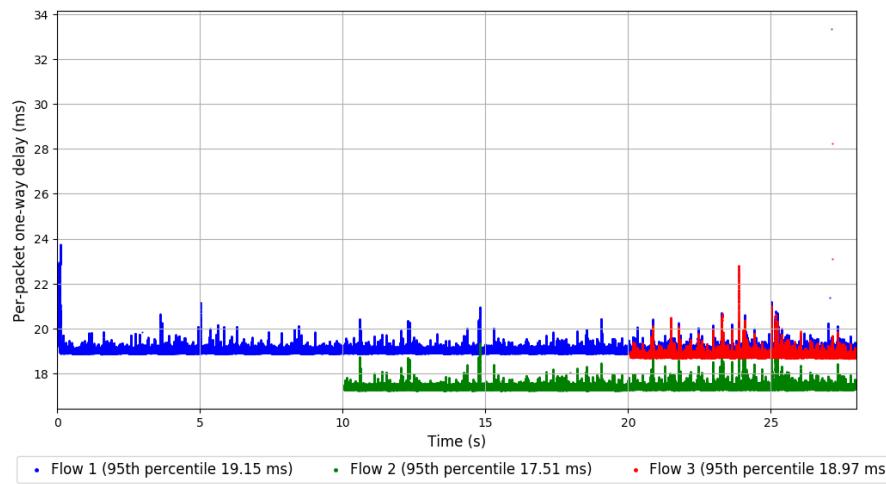
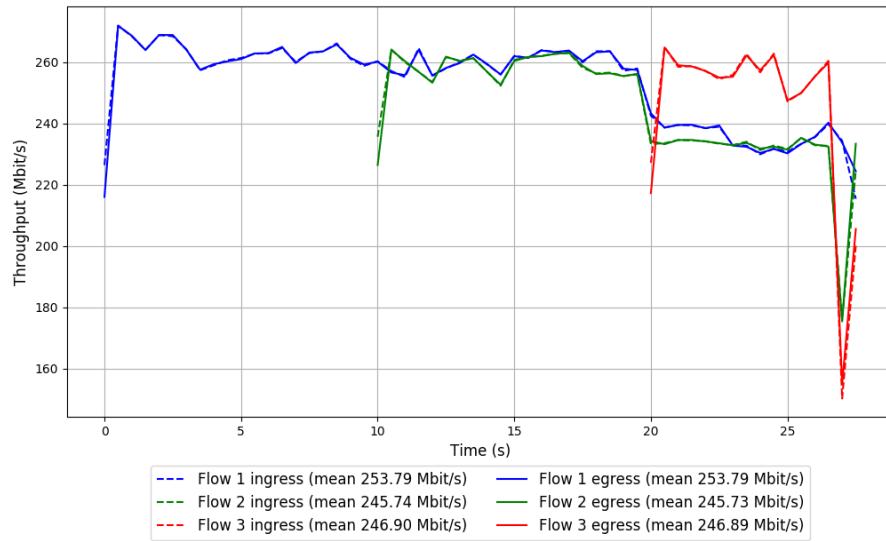


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-12-20 09:15:23
End at: 2017-12-20 09:15:53
Local clock offset: 1.04 ms
Remote clock offset: -0.998 ms

# Below is generated by plot.py at 2017-12-20 15:13:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 481.69 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 253.79 Mbit/s
95th percentile per-packet one-way delay: 19.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.73 Mbit/s
95th percentile per-packet one-way delay: 17.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 246.89 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.01%
```

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

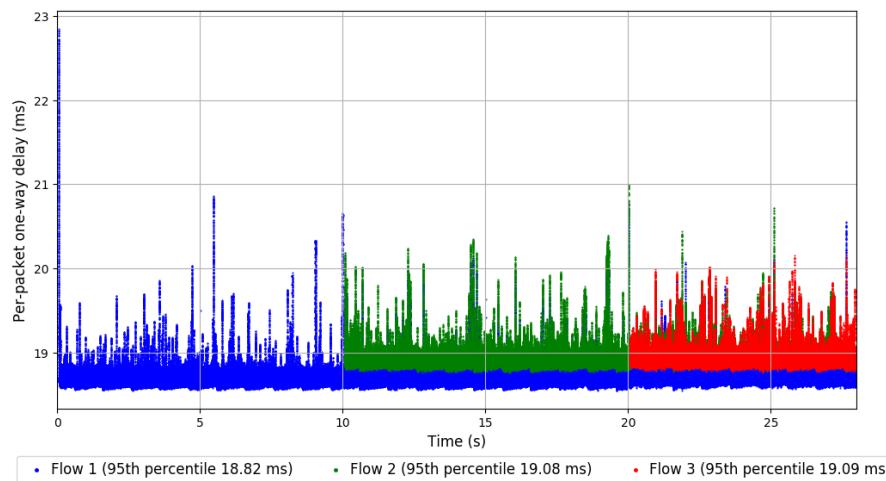
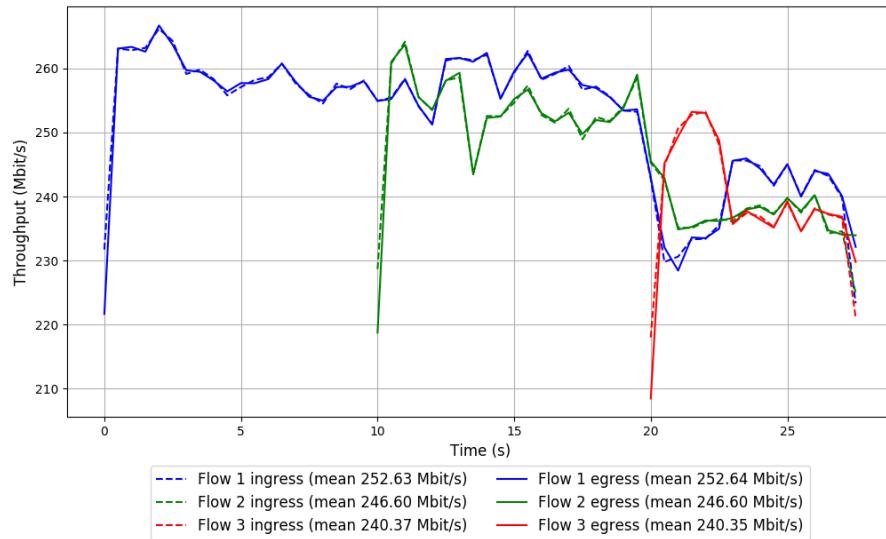


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-12-20 09:37:13
End at: 2017-12-20 09:37:43
Local clock offset: 1.023 ms
Remote clock offset: -1.108 ms

# Below is generated by plot.py at 2017-12-20 15:13:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 479.25 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.64 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 246.60 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 240.35 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.01%
```

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

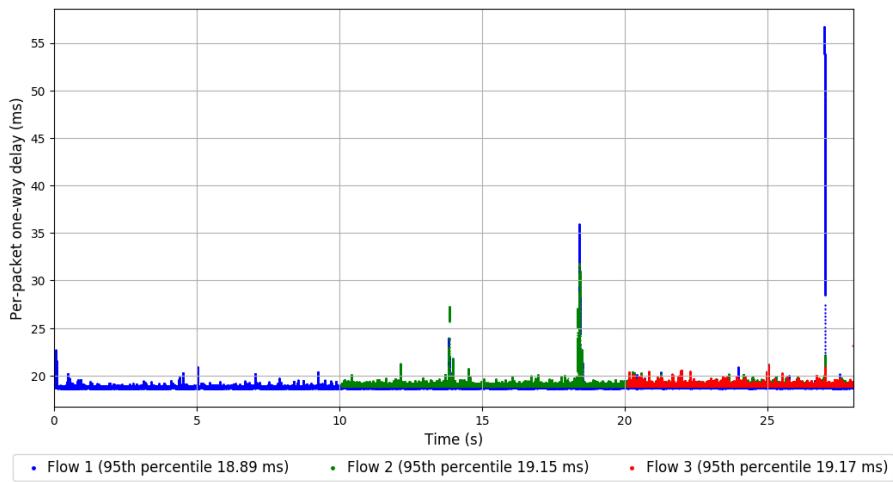
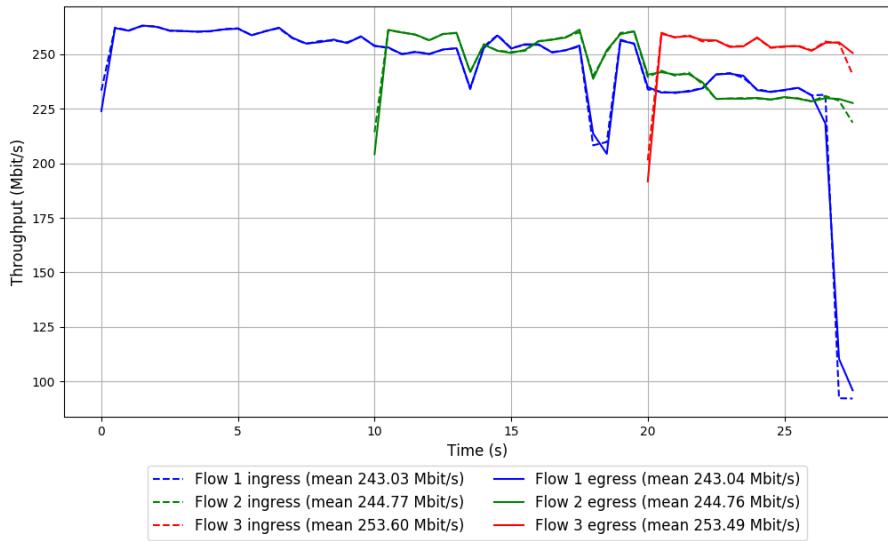


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-12-20 09:58:57
End at: 2017-12-20 09:59:28
Local clock offset: 0.801 ms
Remote clock offset: -0.97 ms

# Below is generated by plot.py at 2017-12-20 15:13:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.71 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.04 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.76 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 253.49 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.00%
```

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

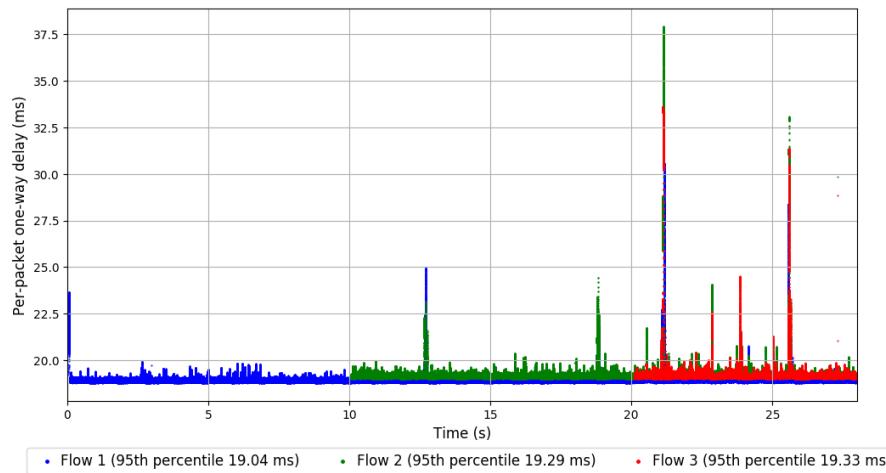
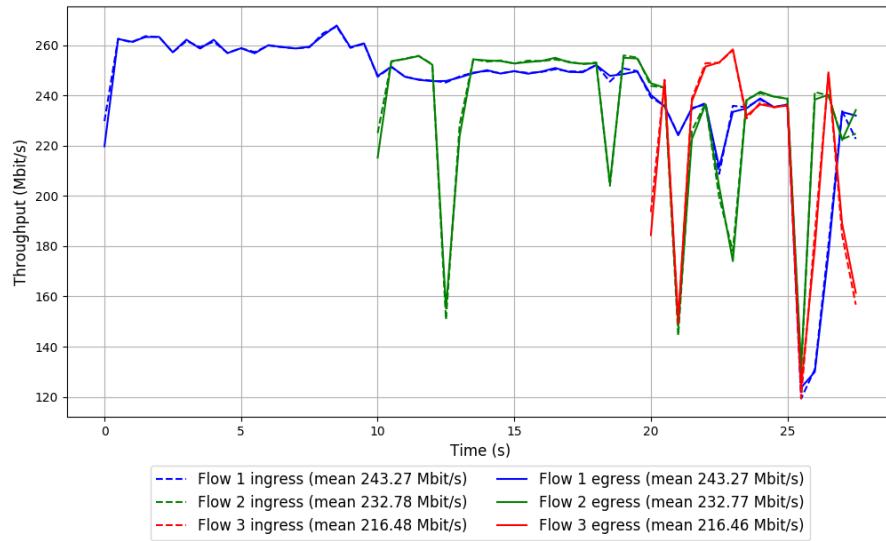


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-12-20 10:20:53
End at: 2017-12-20 10:21:23
Local clock offset: 0.328 ms
Remote clock offset: -1.359 ms

# Below is generated by plot.py at 2017-12-20 15:13:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.96 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.27 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 232.77 Mbit/s
95th percentile per-packet one-way delay: 19.294 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 216.46 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.01%
```

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

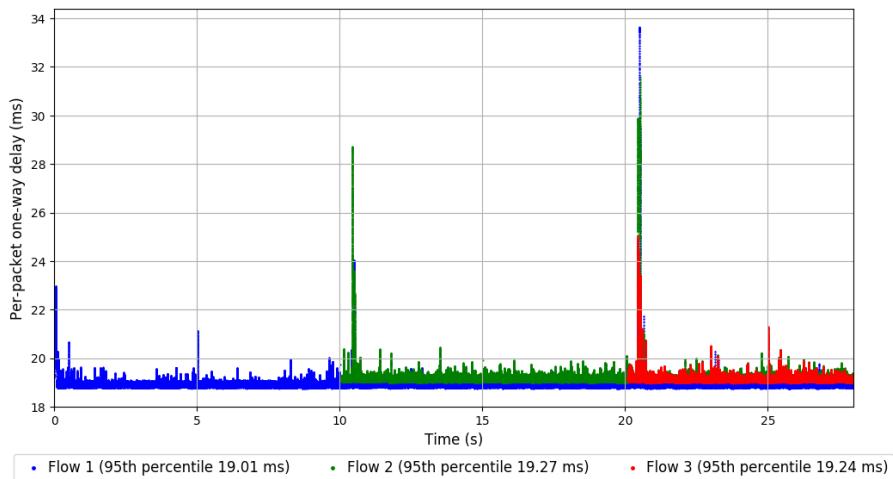
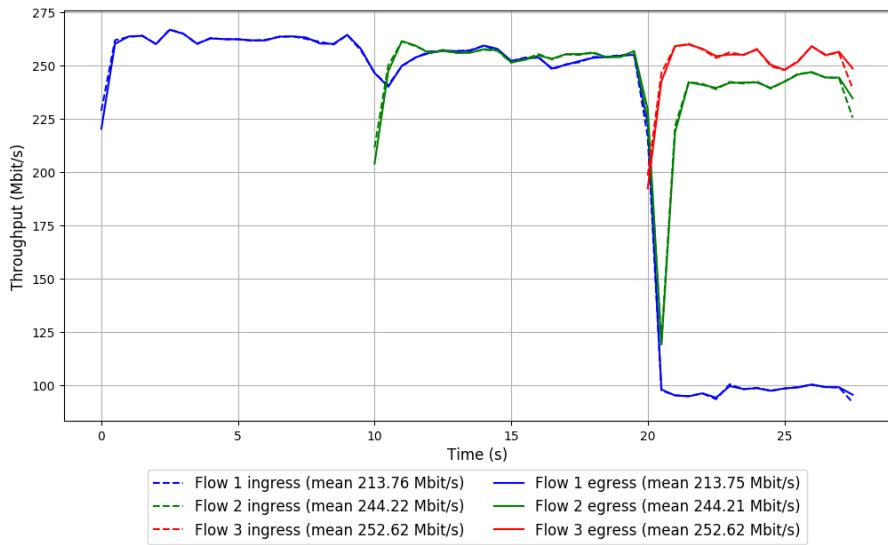


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-12-20 10:42:35
End at: 2017-12-20 10:43:05
Local clock offset: 0.135 ms
Remote clock offset: -1.051 ms

# Below is generated by plot.py at 2017-12-20 15:13:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.12 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.75 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 244.21 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 252.62 Mbit/s
95th percentile per-packet one-way delay: 19.243 ms
Loss rate: 0.00%
```

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

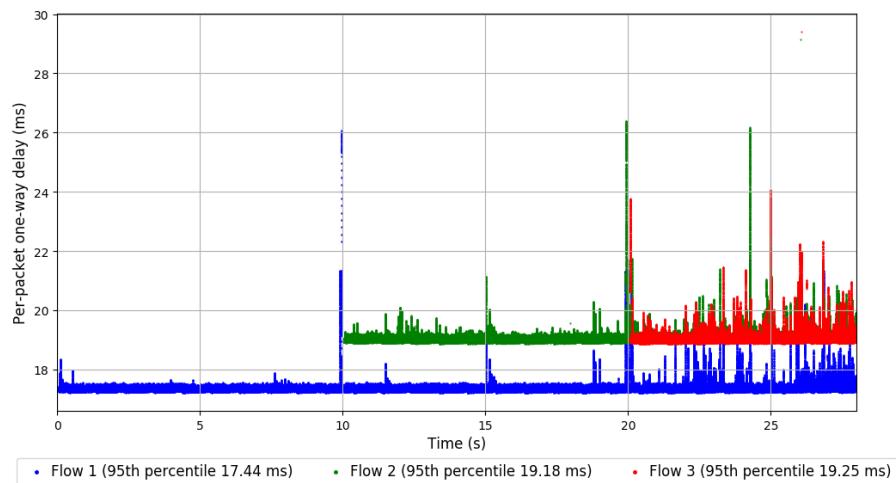
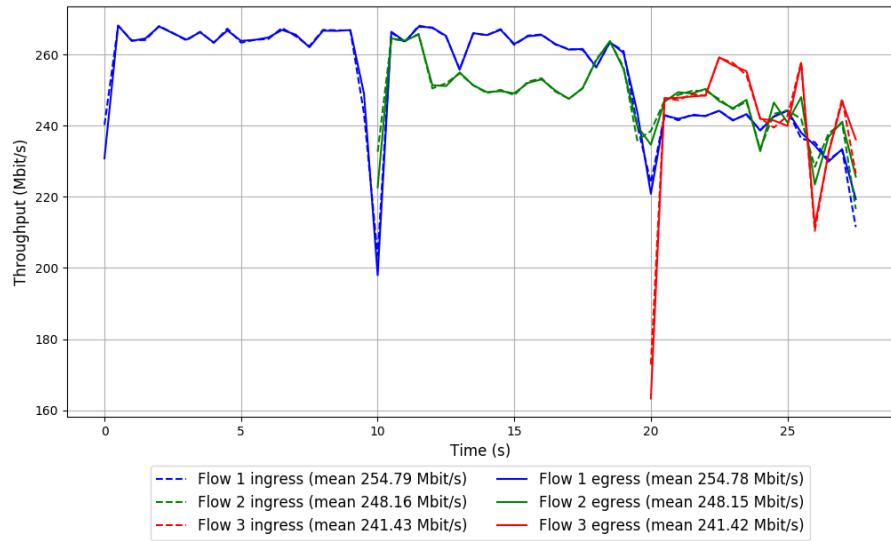


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-12-20 11:04:36
End at: 2017-12-20 11:05:06
Local clock offset: 0.071 ms
Remote clock offset: -1.179 ms

# Below is generated by plot.py at 2017-12-20 15:18:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 482.68 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 254.78 Mbit/s
95th percentile per-packet one-way delay: 17.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.15 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 241.42 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.00%
```

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

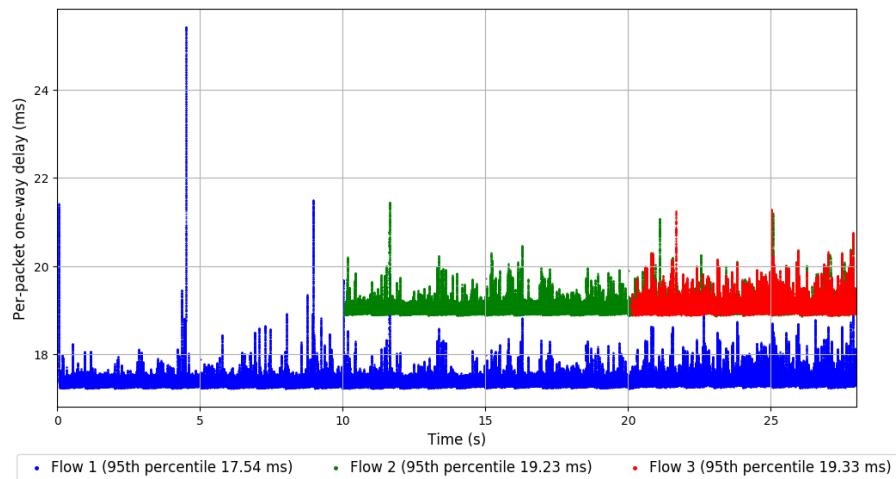
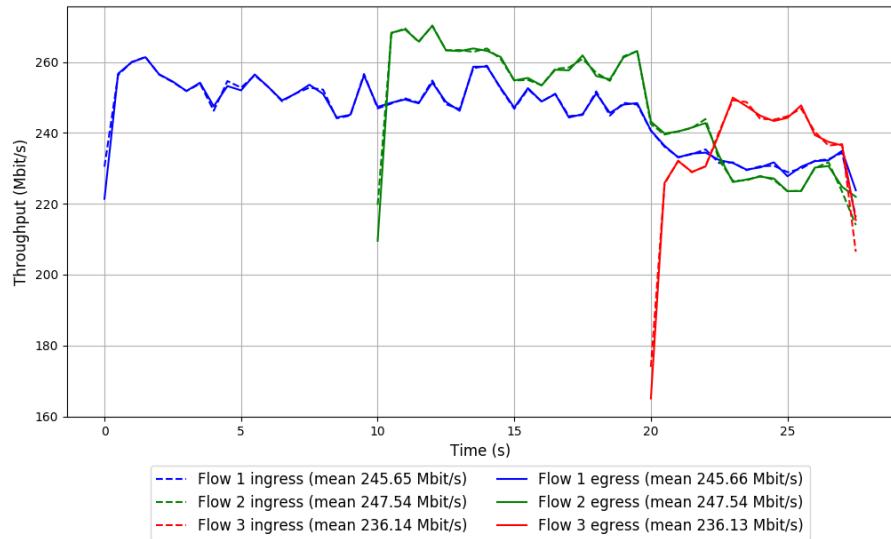


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-12-20 11:26:11
End at: 2017-12-20 11:26:41
Local clock offset: 0.002 ms
Remote clock offset: -1.341 ms

# Below is generated by plot.py at 2017-12-20 15:18:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 471.01 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.66 Mbit/s
95th percentile per-packet one-way delay: 17.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 247.54 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 236.13 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.01%
```

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

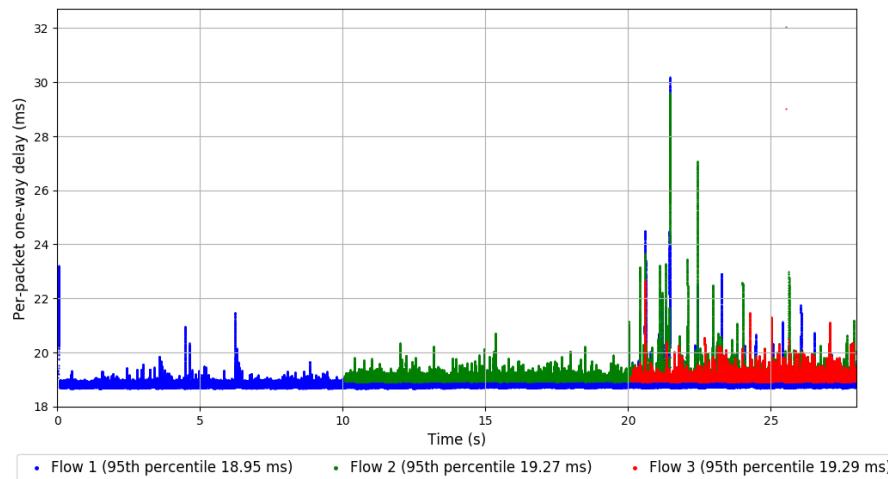
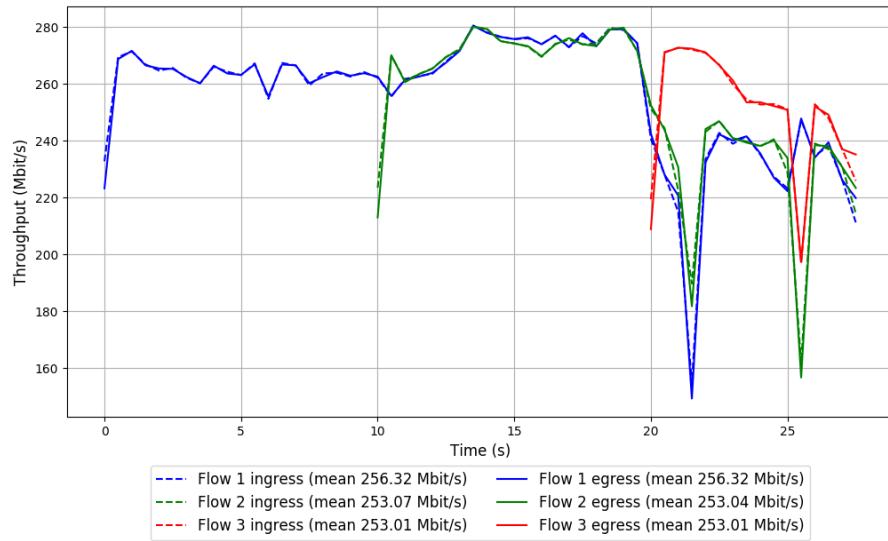


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-12-20 11:48:17
End at: 2017-12-20 11:48:47
Local clock offset: -0.097 ms
Remote clock offset: -1.828 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 490.14 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 256.32 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 253.04 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 253.01 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.00%
```

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

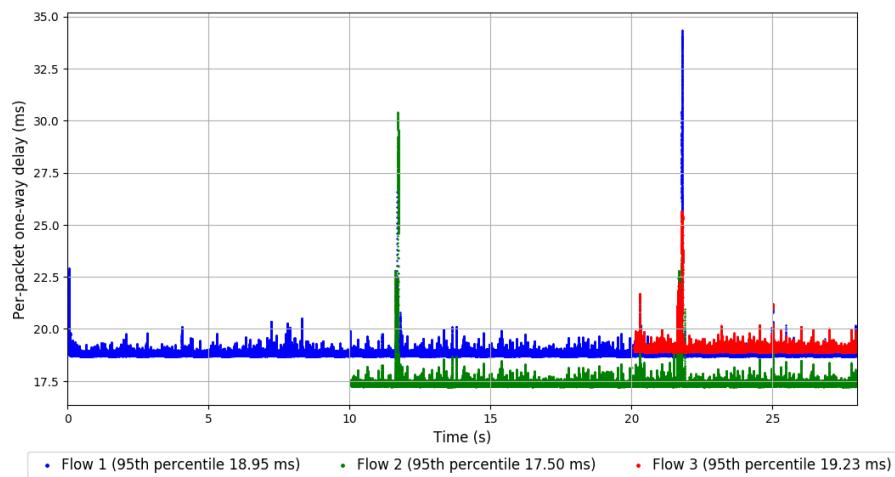
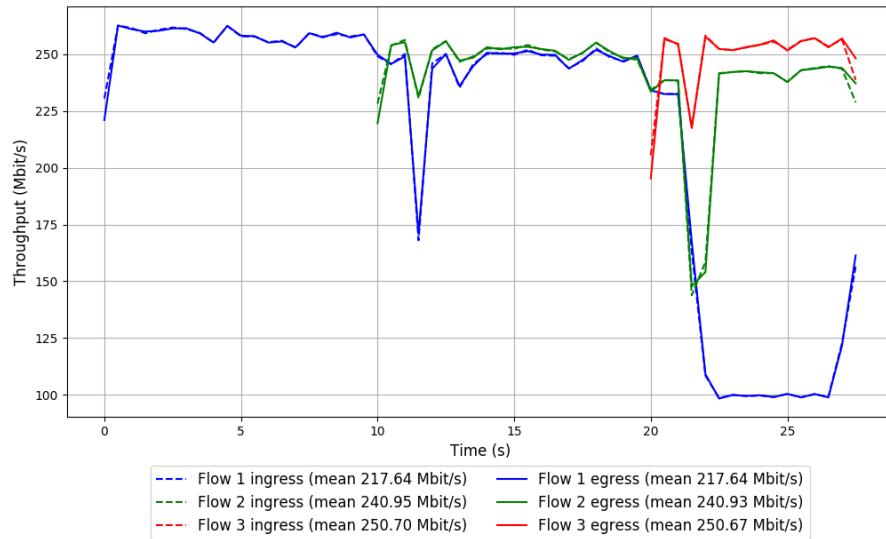


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-12-20 12:10:19
End at: 2017-12-20 12:10:49
Local clock offset: -0.208 ms
Remote clock offset: -2.182 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.39 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.64 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 240.93 Mbit/s
95th percentile per-packet one-way delay: 17.505 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 250.67 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.01%
```

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

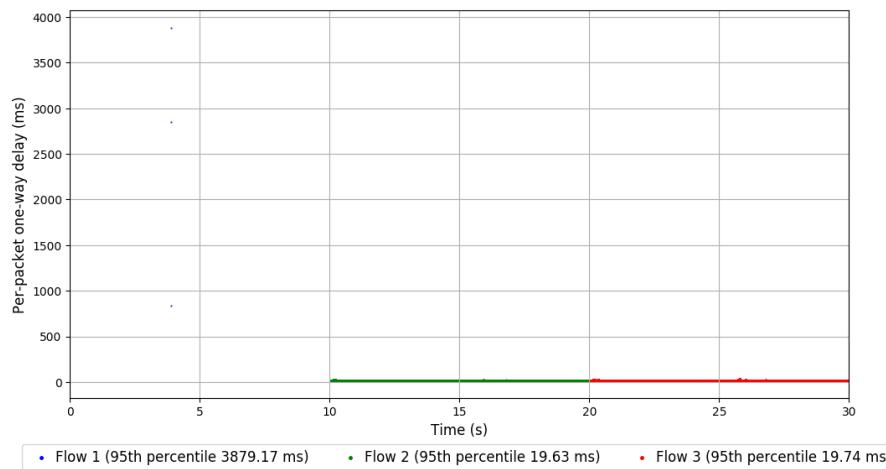
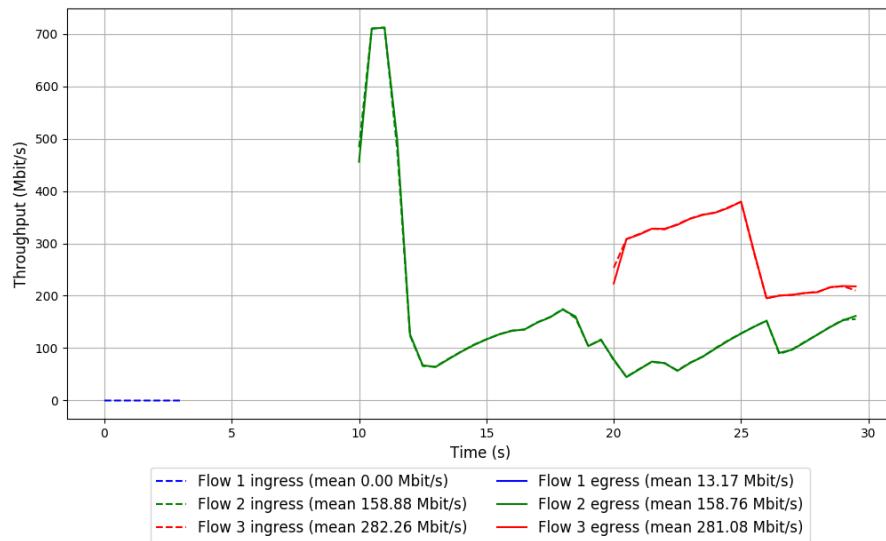


Run 1: Statistics of TCP Vegas

```
Start at: 2017-12-20 08:46:02
End at: 2017-12-20 08:46:32
Local clock offset: 0.942 ms
Remote clock offset: -0.717 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.48 Mbit/s
95th percentile per-packet one-way delay: 19.675 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 3879.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.76 Mbit/s
95th percentile per-packet one-way delay: 19.633 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 281.08 Mbit/s
95th percentile per-packet one-way delay: 19.740 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

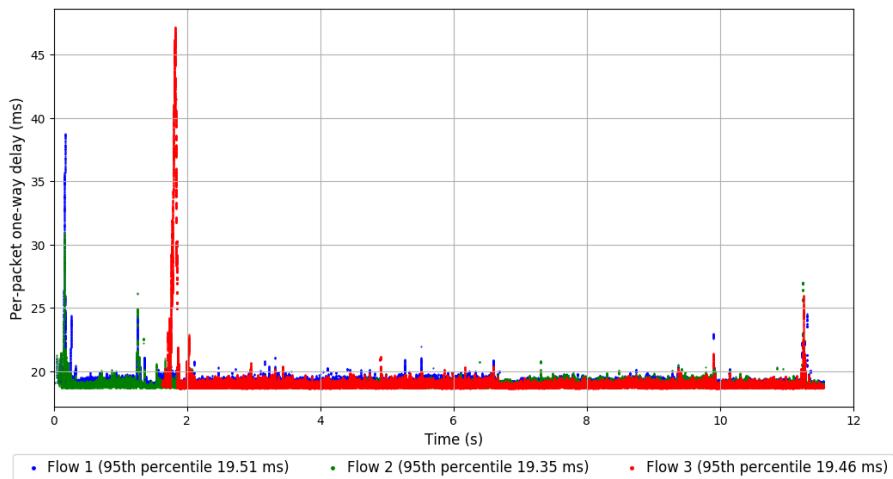
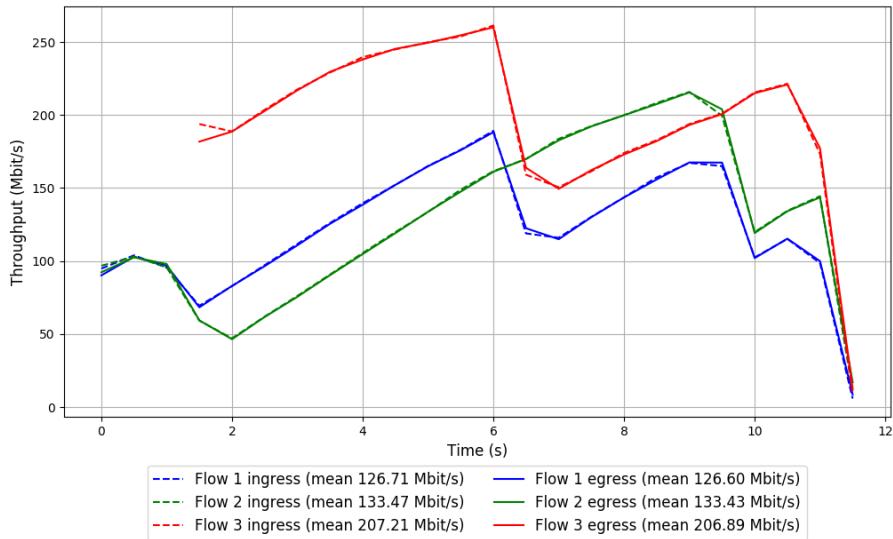
Start at: 2017-12-20 09:07:48

End at: 2017-12-20 09:08:18

Local clock offset: 1.03 ms

Remote clock offset: -0.797 ms

Run 2: Report of TCP Vegas — Data Link

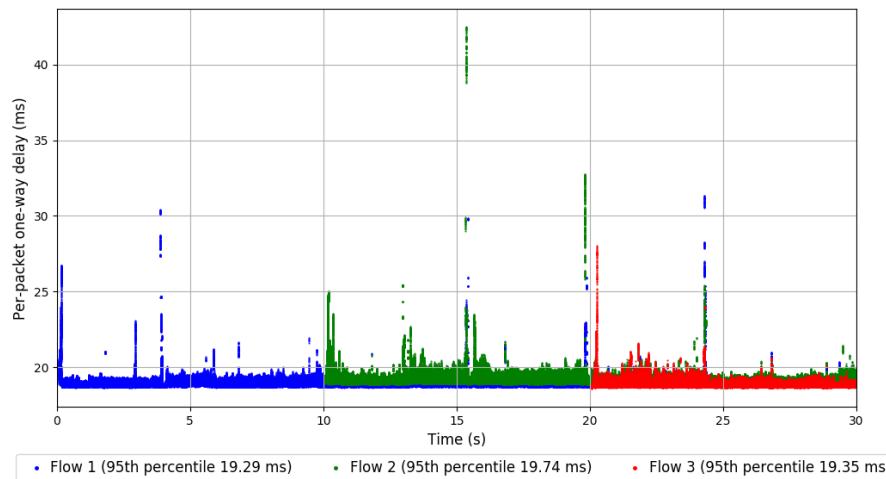
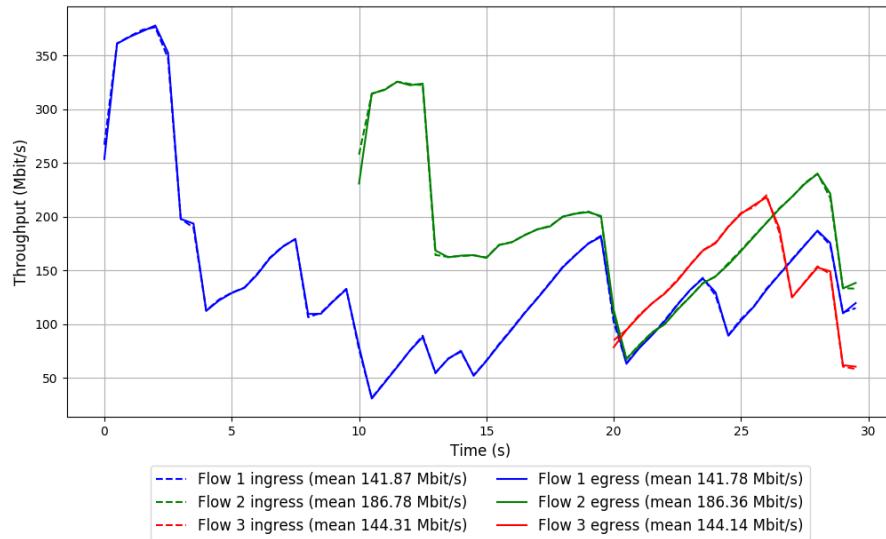


Run 3: Statistics of TCP Vegas

```
Start at: 2017-12-20 09:29:34
End at: 2017-12-20 09:30:04
Local clock offset: 1.023 ms
Remote clock offset: -1.035 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 313.72 Mbit/s
95th percentile per-packet one-way delay: 19.552 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 141.78 Mbit/s
95th percentile per-packet one-way delay: 19.294 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 19.738 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 144.14 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.11%
```

Run 3: Report of TCP Vegas — Data Link

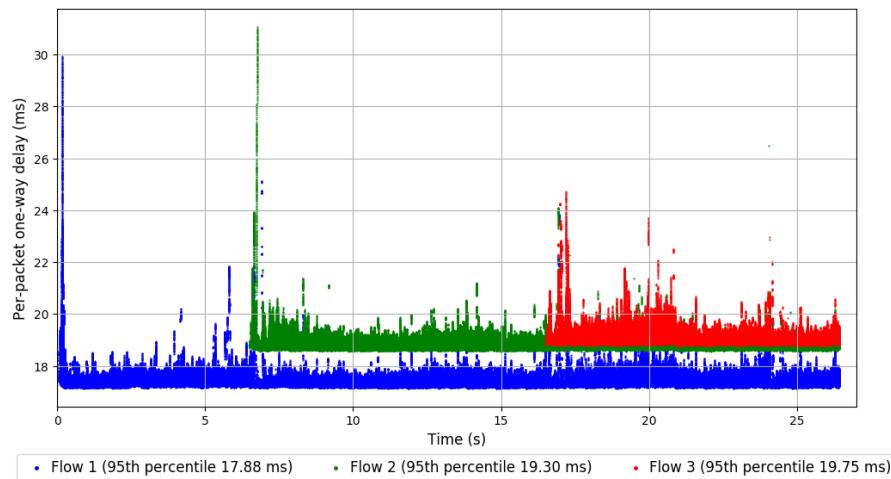
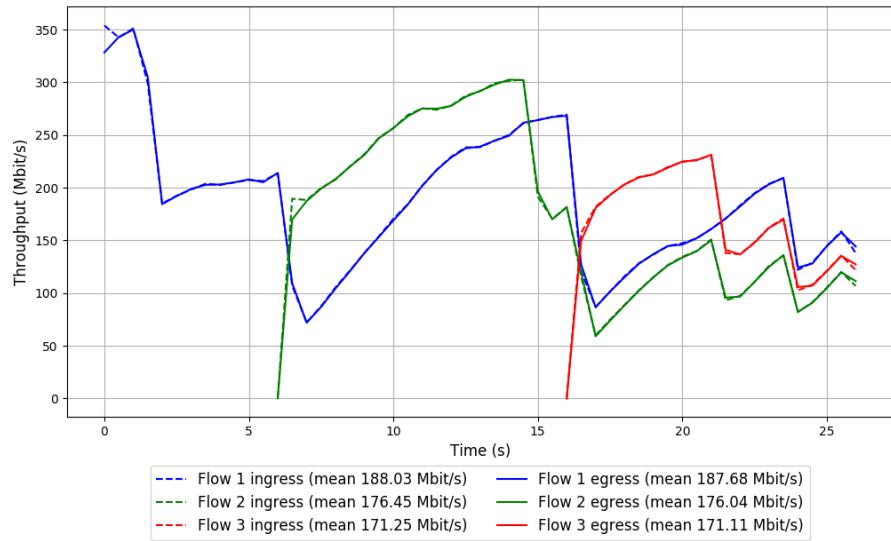


Run 4: Statistics of TCP Vegas

```
Start at: 2017-12-20 09:51:17
End at: 2017-12-20 09:51:47
Local clock offset: 0.927 ms
Remote clock offset: -1.02 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.08 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 187.68 Mbit/s
95th percentile per-packet one-way delay: 17.882 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 176.04 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 19.750 ms
Loss rate: 0.07%
```

Run 4: Report of TCP Vegas — Data Link

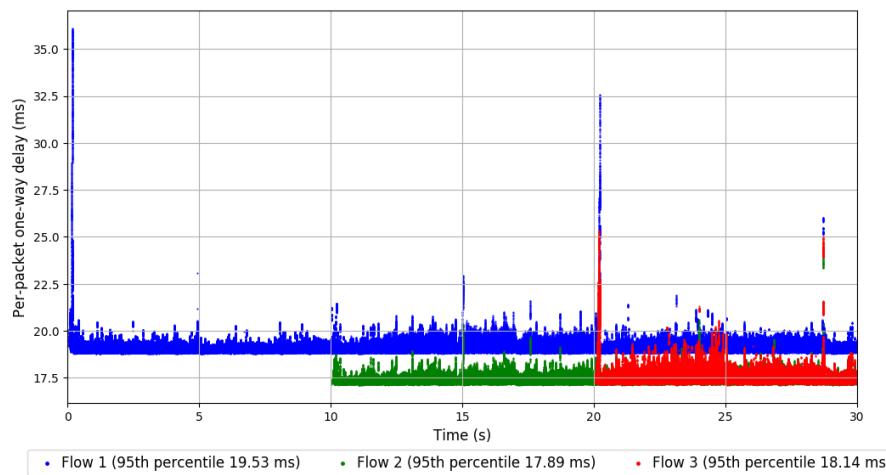
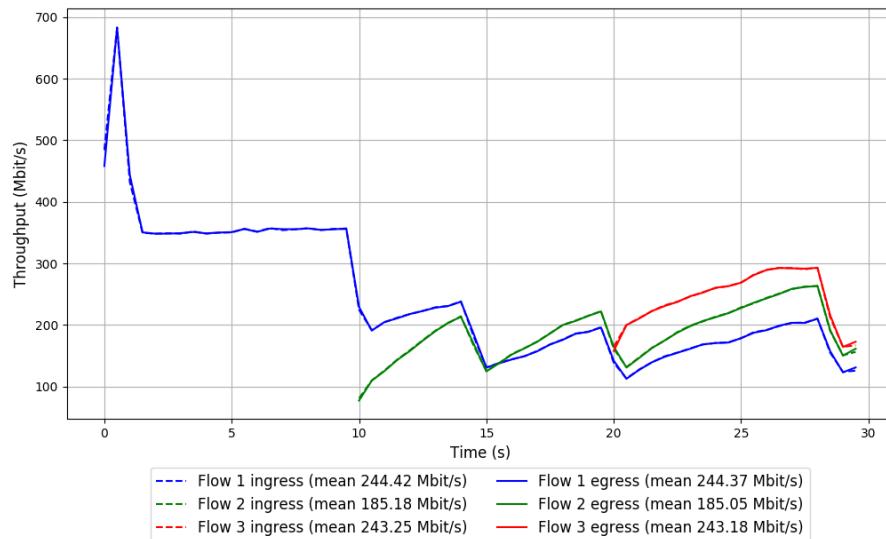


Run 5: Statistics of TCP Vegas

```
Start at: 2017-12-20 10:13:04
End at: 2017-12-20 10:13:34
Local clock offset: 0.586 ms
Remote clock offset: -1.257 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 448.35 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 244.37 Mbit/s
95th percentile per-packet one-way delay: 19.534 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 185.05 Mbit/s
95th percentile per-packet one-way delay: 17.894 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 243.18 Mbit/s
95th percentile per-packet one-way delay: 18.141 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Vegas — Data Link

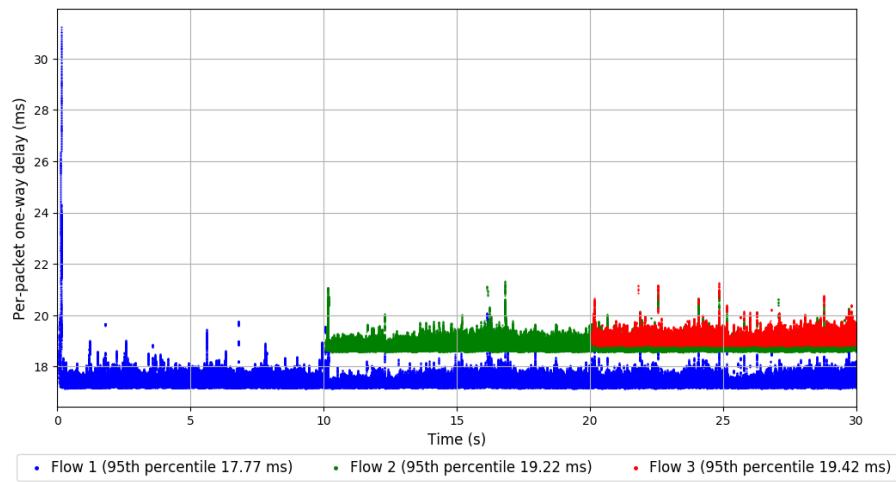
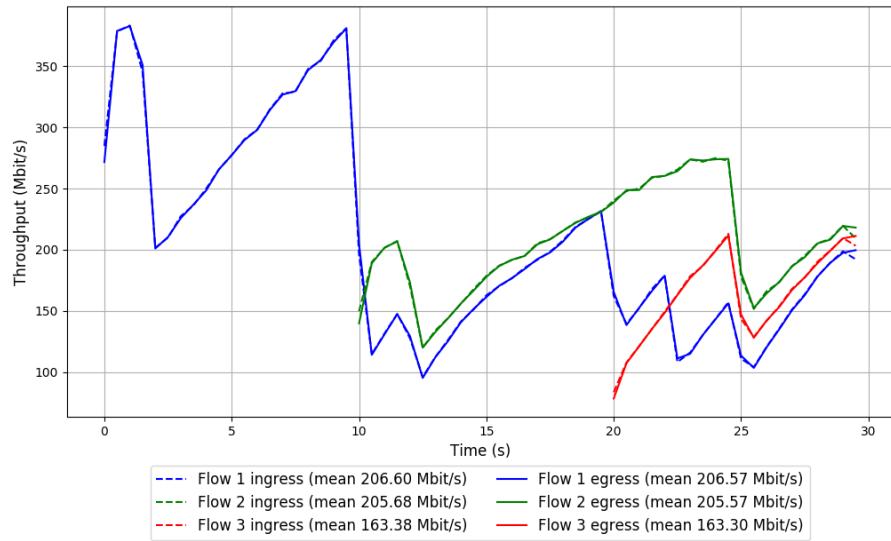


Run 6: Statistics of TCP Vegas

```
Start at: 2017-12-20 10:34:58
End at: 2017-12-20 10:35:28
Local clock offset: 0.313 ms
Remote clock offset: -1.242 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.66 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 206.57 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 205.57 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 163.30 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Vegas — Data Link

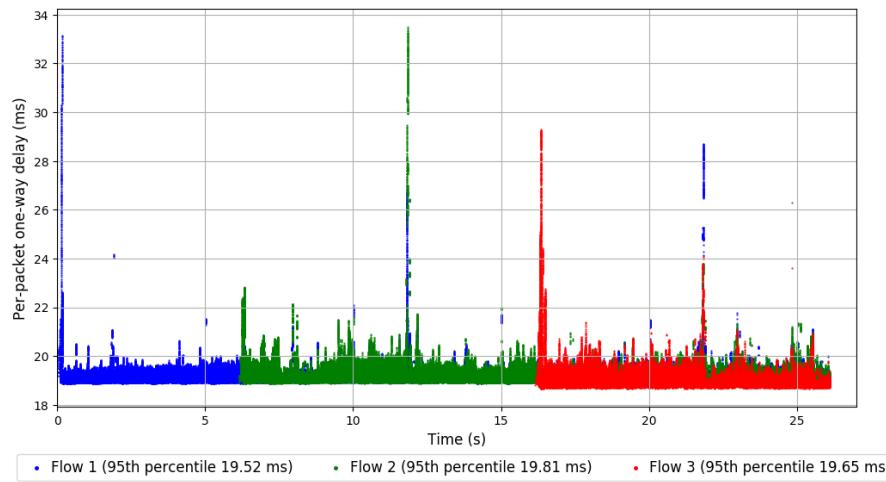
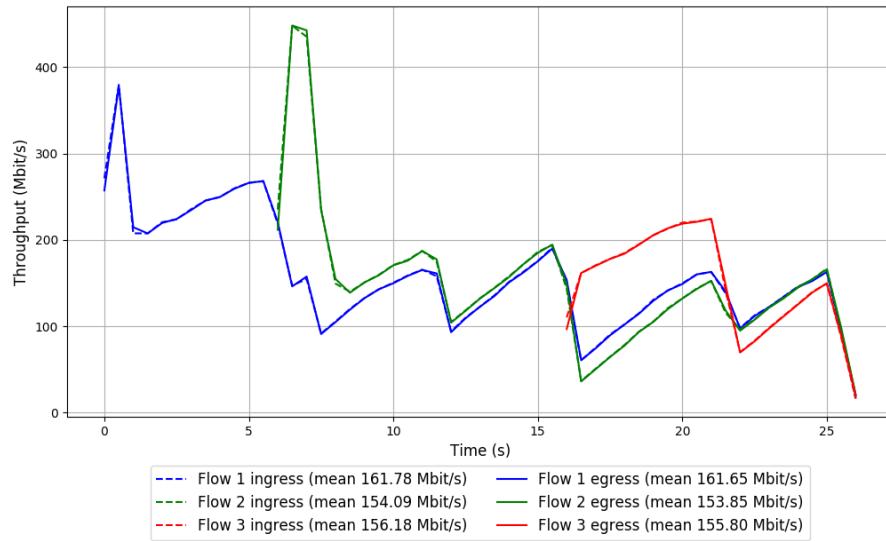


Run 7: Statistics of TCP Vegas

```
Start at: 2017-12-20 10:56:57
End at: 2017-12-20 10:57:27
Local clock offset: 0.068 ms
Remote clock offset: -1.163 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.81 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 161.65 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 153.85 Mbit/s
95th percentile per-packet one-way delay: 19.806 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 155.80 Mbit/s
95th percentile per-packet one-way delay: 19.651 ms
Loss rate: 0.24%
```

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

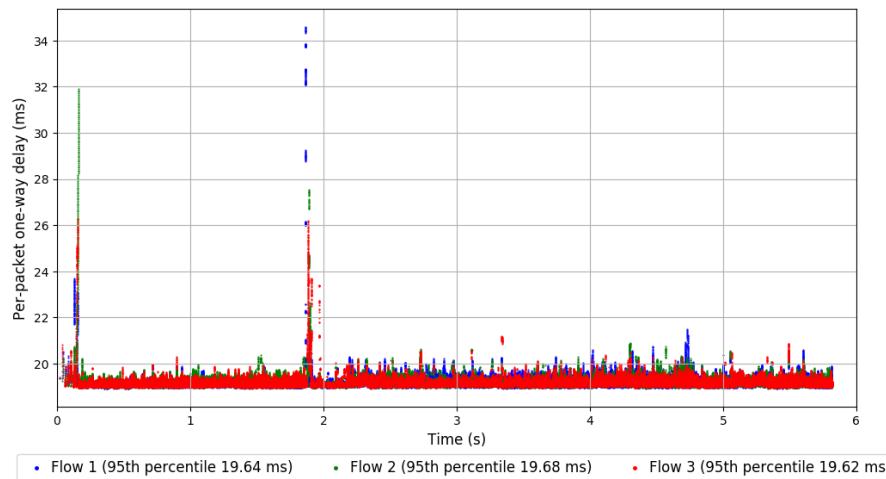
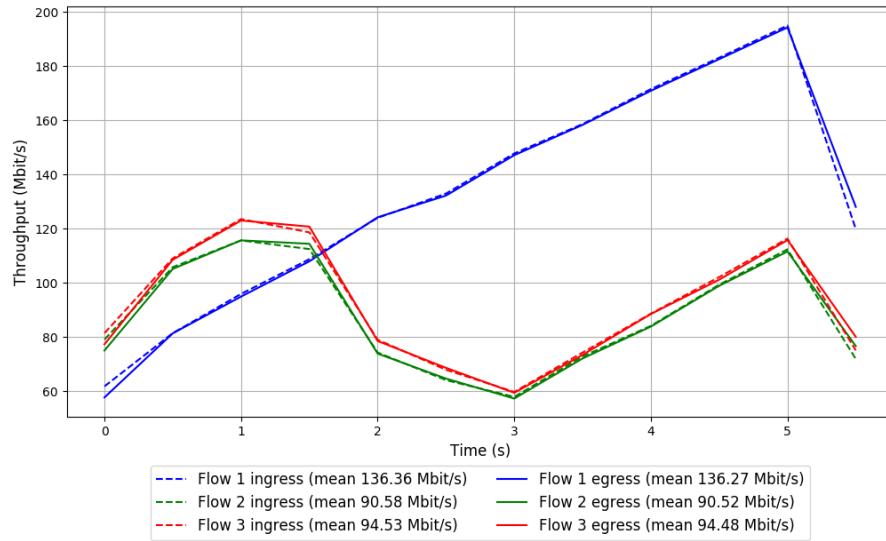
Start at: 2017-12-20 11:18:47

End at: 2017-12-20 11:19:17

Local clock offset: -0.009 ms

Remote clock offset: -1.137 ms

Run 8: Report of TCP Vegas — Data Link

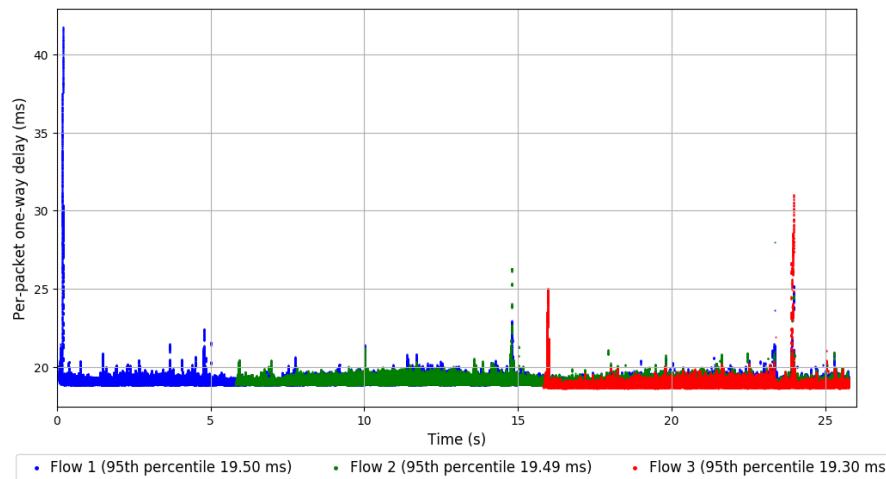
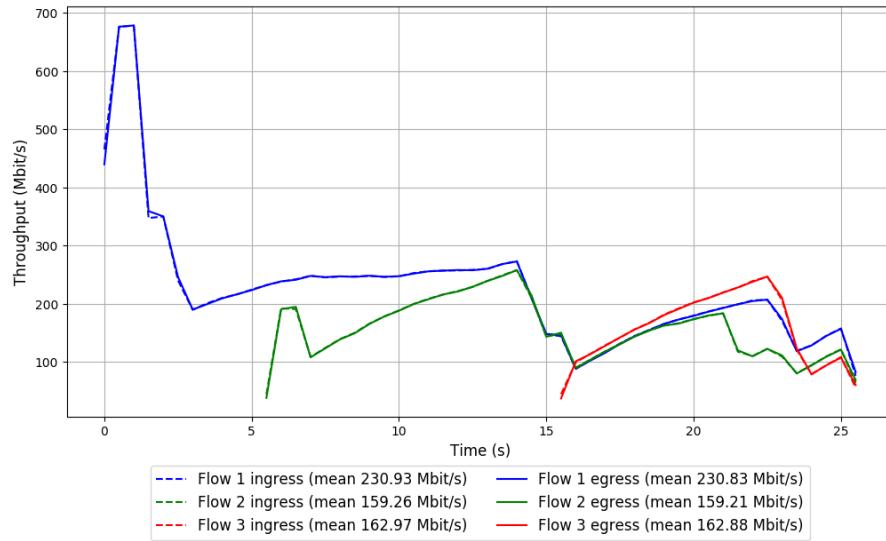


Run 9: Statistics of TCP Vegas

```
Start at: 2017-12-20 11:40:34
End at: 2017-12-20 11:41:04
Local clock offset: -0.133 ms
Remote clock offset: -1.747 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.24 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.83 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 159.21 Mbit/s
95th percentile per-packet one-way delay: 19.492 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 162.88 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.05%
```

Run 9: Report of TCP Vegas — Data Link

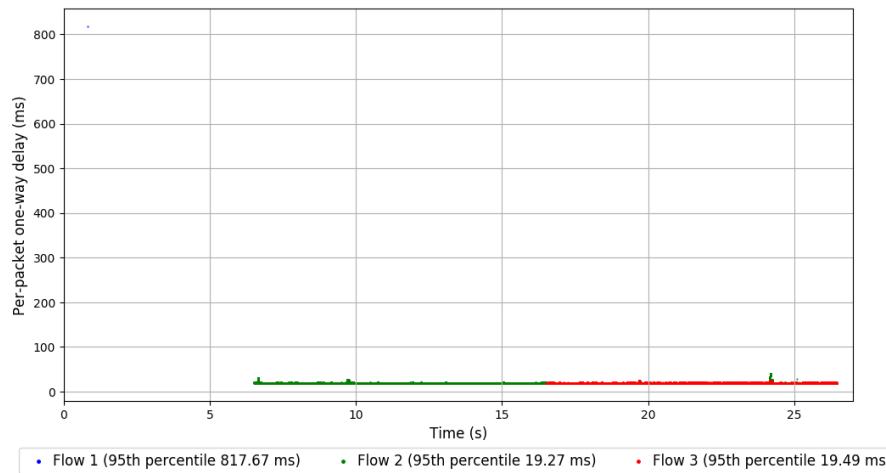
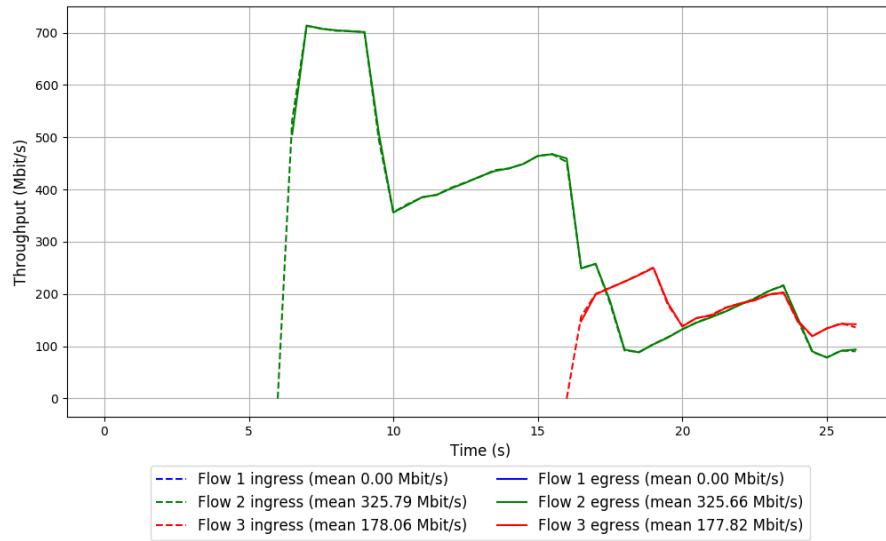


Run 10: Statistics of TCP Vegas

```
Start at: 2017-12-20 12:02:40
End at: 2017-12-20 12:03:10
Local clock offset: -0.186 ms
Remote clock offset: -2.149 ms

# Below is generated by plot.py at 2017-12-20 15:24:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.40 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 817.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 325.66 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 19.492 ms
Loss rate: 0.13%
```

Run 10: Report of TCP Vegas — Data Link

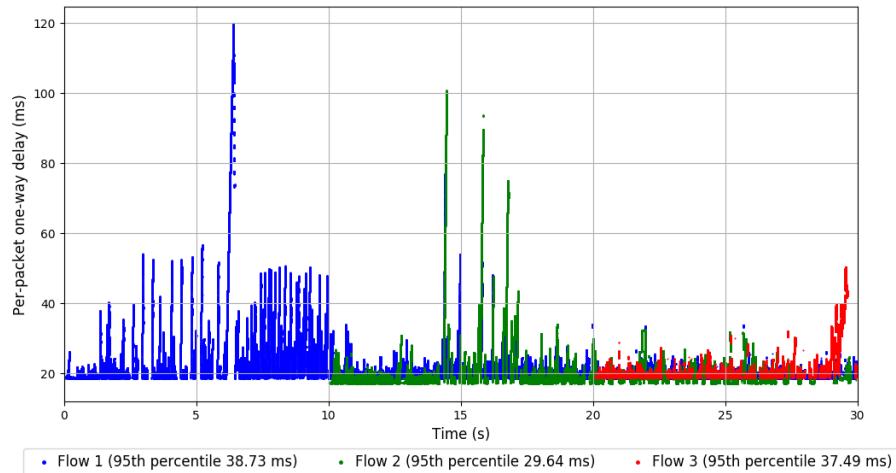
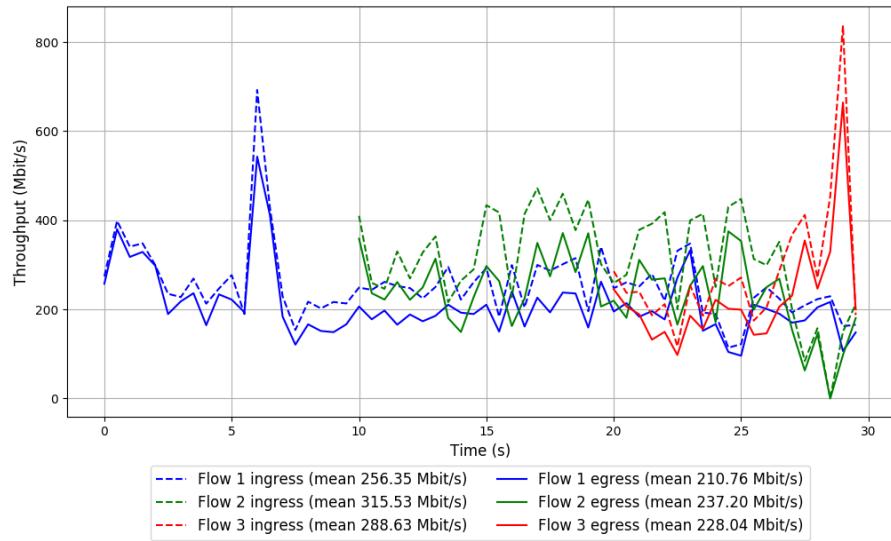


Run 1: Statistics of Verus

```
Start at: 2017-12-20 08:55:19
End at: 2017-12-20 08:55:49
Local clock offset: 1.034 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2017-12-20 15:25:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.93 Mbit/s
95th percentile per-packet one-way delay: 35.450 ms
Loss rate: 20.96%
-- Flow 1:
Average throughput: 210.76 Mbit/s
95th percentile per-packet one-way delay: 38.730 ms
Loss rate: 17.78%
-- Flow 2:
Average throughput: 237.20 Mbit/s
95th percentile per-packet one-way delay: 29.635 ms
Loss rate: 24.82%
-- Flow 3:
Average throughput: 228.04 Mbit/s
95th percentile per-packet one-way delay: 37.495 ms
Loss rate: 21.01%
```

Run 1: Report of Verus — Data Link

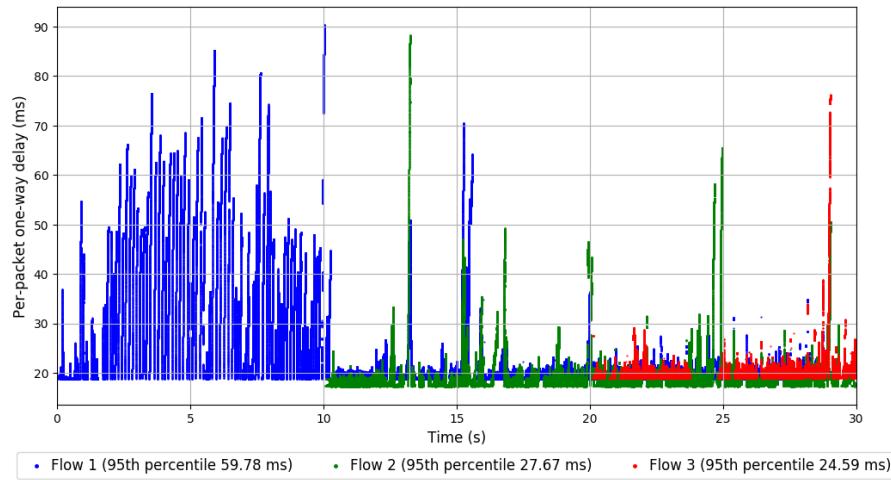
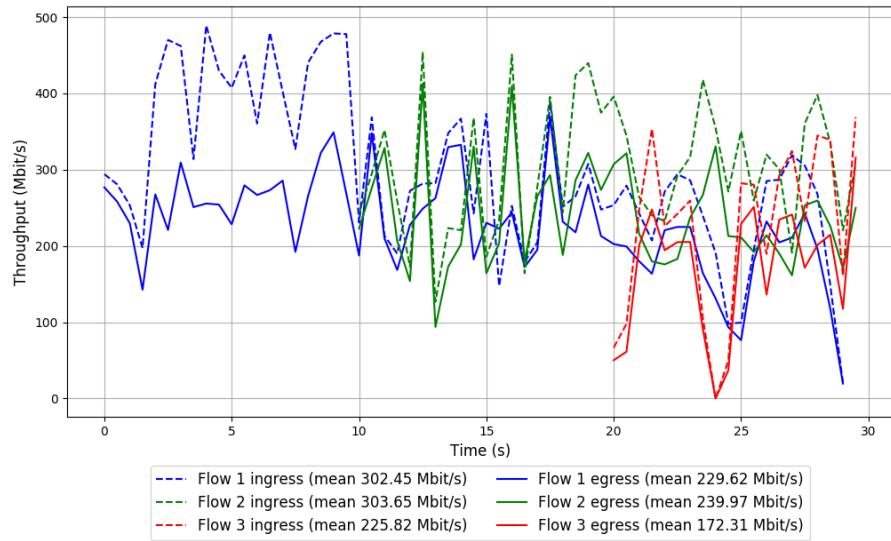


Run 2: Statistics of Verus

```
Start at: 2017-12-20 09:17:08
End at: 2017-12-20 09:17:38
Local clock offset: 0.94 ms
Remote clock offset: -1.079 ms

# Below is generated by plot.py at 2017-12-20 15:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 439.44 Mbit/s
95th percentile per-packet one-way delay: 53.637 ms
Loss rate: 22.94%
-- Flow 1:
Average throughput: 229.62 Mbit/s
95th percentile per-packet one-way delay: 59.781 ms
Loss rate: 24.09%
-- Flow 2:
Average throughput: 239.97 Mbit/s
95th percentile per-packet one-way delay: 27.666 ms
Loss rate: 20.97%
-- Flow 3:
Average throughput: 172.31 Mbit/s
95th percentile per-packet one-way delay: 24.586 ms
Loss rate: 23.69%
```

Run 2: Report of Verus — Data Link

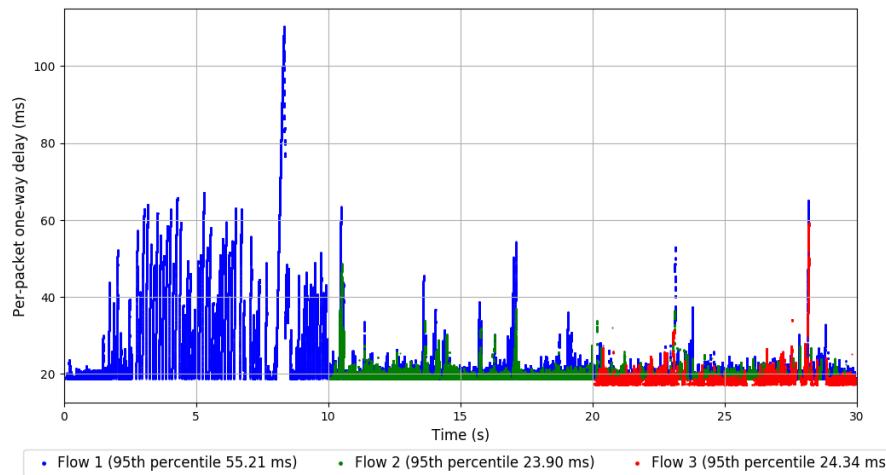
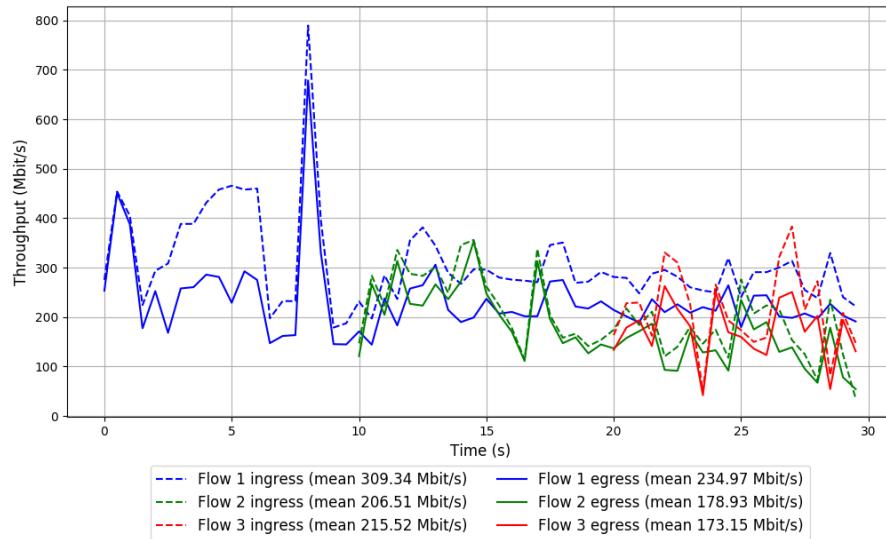


Run 3: Statistics of Verus

```
Start at: 2017-12-20 09:38:58
End at: 2017-12-20 09:39:28
Local clock offset: 0.922 ms
Remote clock offset: -1.085 ms

# Below is generated by plot.py at 2017-12-20 15:28:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 409.25 Mbit/s
95th percentile per-packet one-way delay: 48.703 ms
Loss rate: 20.64%
-- Flow 1:
Average throughput: 234.97 Mbit/s
95th percentile per-packet one-way delay: 55.213 ms
Loss rate: 24.04%
-- Flow 2:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 23.901 ms
Loss rate: 13.36%
-- Flow 3:
Average throughput: 173.15 Mbit/s
95th percentile per-packet one-way delay: 24.335 ms
Loss rate: 19.66%
```

Run 3: Report of Verus — Data Link

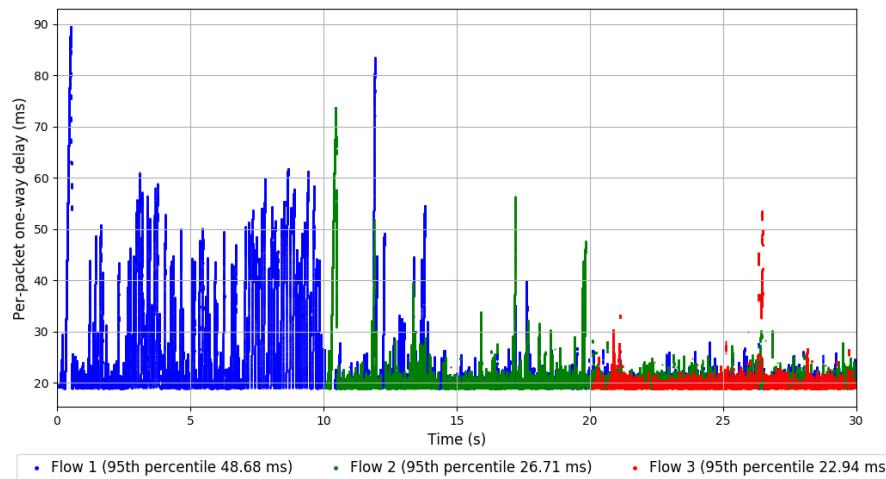
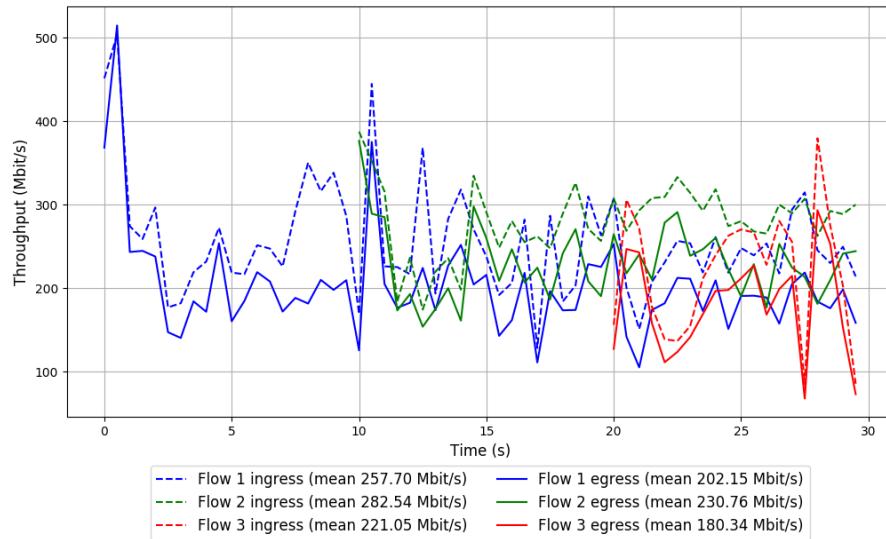


Run 4: Statistics of Verus

```
Start at: 2017-12-20 10:00:41
End at: 2017-12-20 10:01:11
Local clock offset: 0.828 ms
Remote clock offset: -0.952 ms

# Below is generated by plot.py at 2017-12-20 15:28:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 415.11 Mbit/s
95th percentile per-packet one-way delay: 42.970 ms
Loss rate: 19.94%
-- Flow 1:
Average throughput: 202.15 Mbit/s
95th percentile per-packet one-way delay: 48.676 ms
Loss rate: 21.54%
-- Flow 2:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 26.714 ms
Loss rate: 18.31%
-- Flow 3:
Average throughput: 180.34 Mbit/s
95th percentile per-packet one-way delay: 22.940 ms
Loss rate: 18.47%
```

Run 4: Report of Verus — Data Link

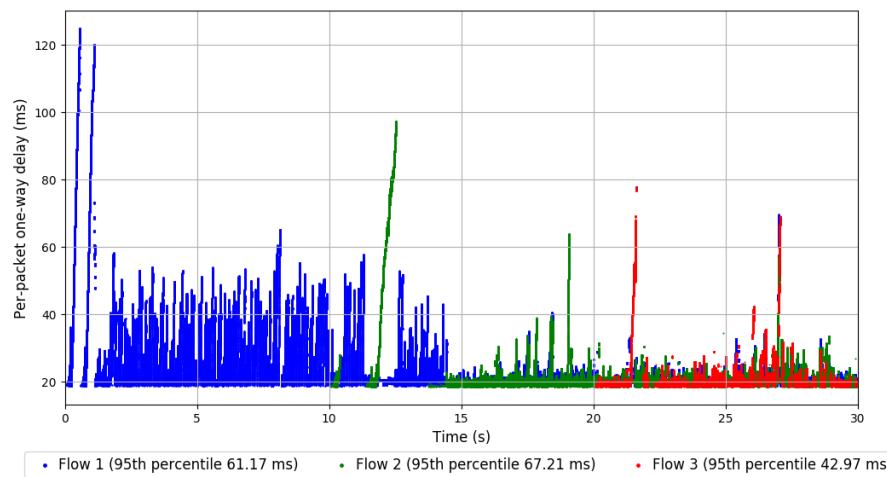
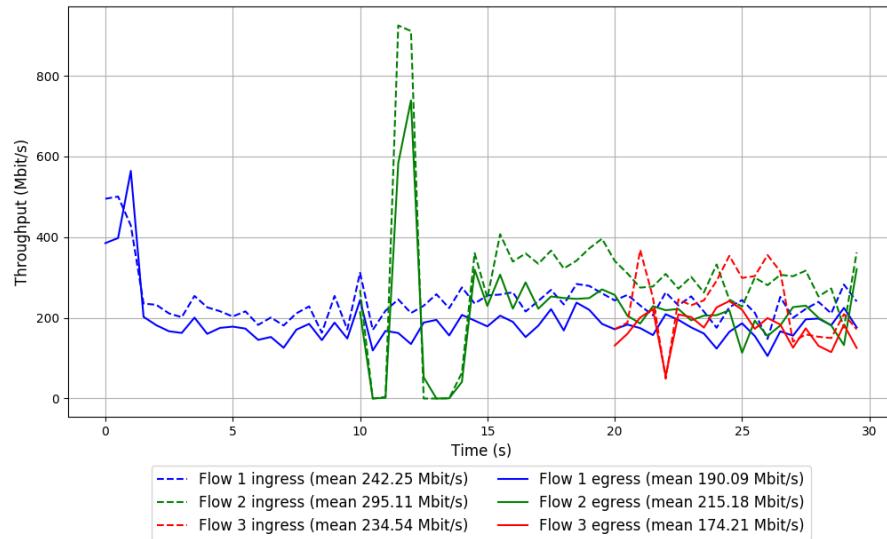


Run 5: Statistics of Verus

```
Start at: 2017-12-20 10:22:36
End at: 2017-12-20 10:23:06
Local clock offset: 0.414 ms
Remote clock offset: -1.377 ms

# Below is generated by plot.py at 2017-12-20 15:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 390.82 Mbit/s
95th percentile per-packet one-way delay: 61.152 ms
Loss rate: 24.28%
-- Flow 1:
Average throughput: 190.09 Mbit/s
95th percentile per-packet one-way delay: 61.174 ms
Loss rate: 21.54%
-- Flow 2:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 67.213 ms
Loss rate: 27.08%
-- Flow 3:
Average throughput: 174.21 Mbit/s
95th percentile per-packet one-way delay: 42.965 ms
Loss rate: 25.72%
```

Run 5: Report of Verus — Data Link

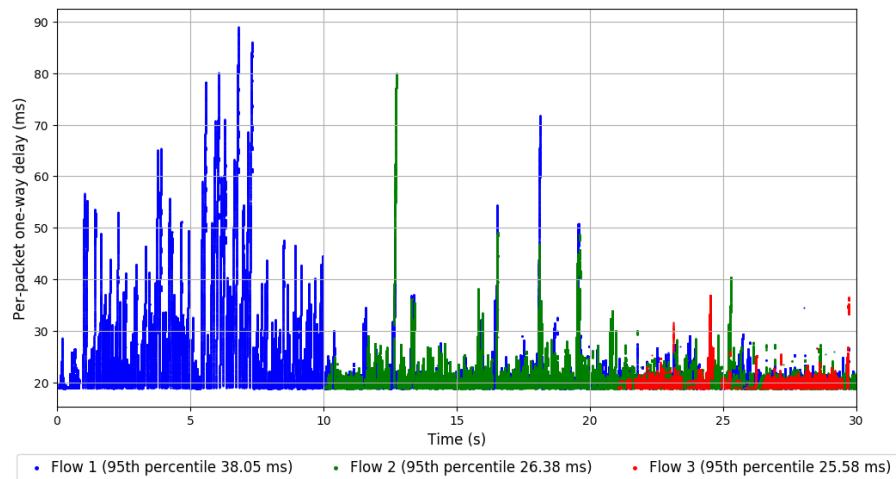
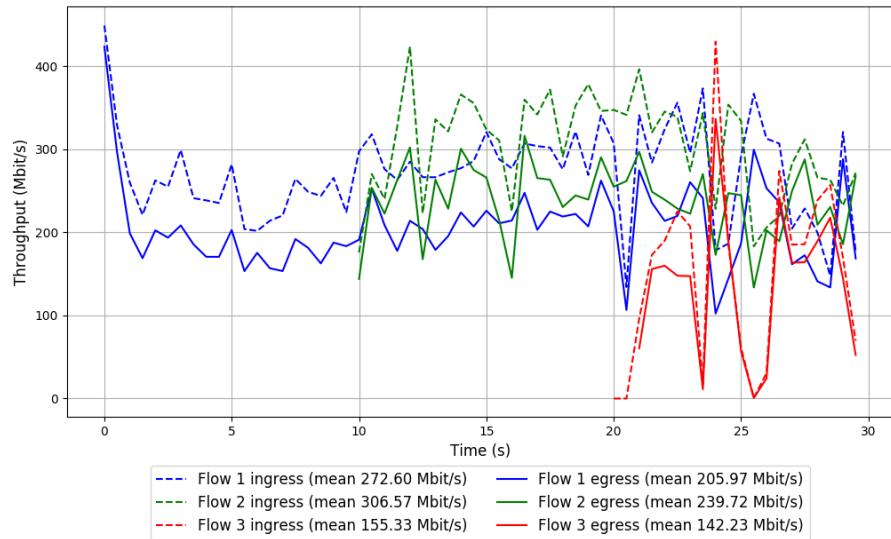


Run 6: Statistics of Verus

```
Start at: 2017-12-20 10:44:17
End at: 2017-12-20 10:44:47
Local clock offset: 0.157 ms
Remote clock offset: -1.123 ms

# Below is generated by plot.py at 2017-12-20 15:30:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 31.819 ms
Loss rate: 22.78%
-- Flow 1:
Average throughput: 205.97 Mbit/s
95th percentile per-packet one-way delay: 38.055 ms
Loss rate: 24.44%
-- Flow 2:
Average throughput: 239.72 Mbit/s
95th percentile per-packet one-way delay: 26.376 ms
Loss rate: 21.80%
-- Flow 3:
Average throughput: 142.23 Mbit/s
95th percentile per-packet one-way delay: 25.584 ms
Loss rate: 17.76%
```

Run 6: Report of Verus — Data Link

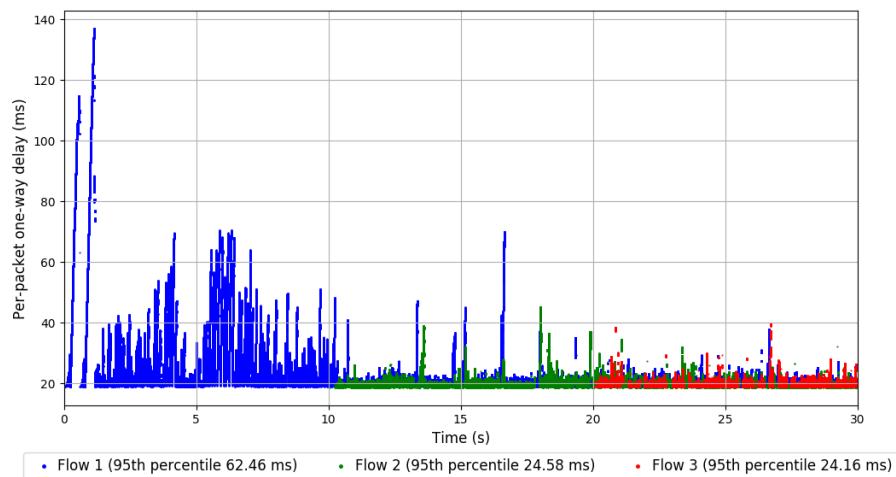
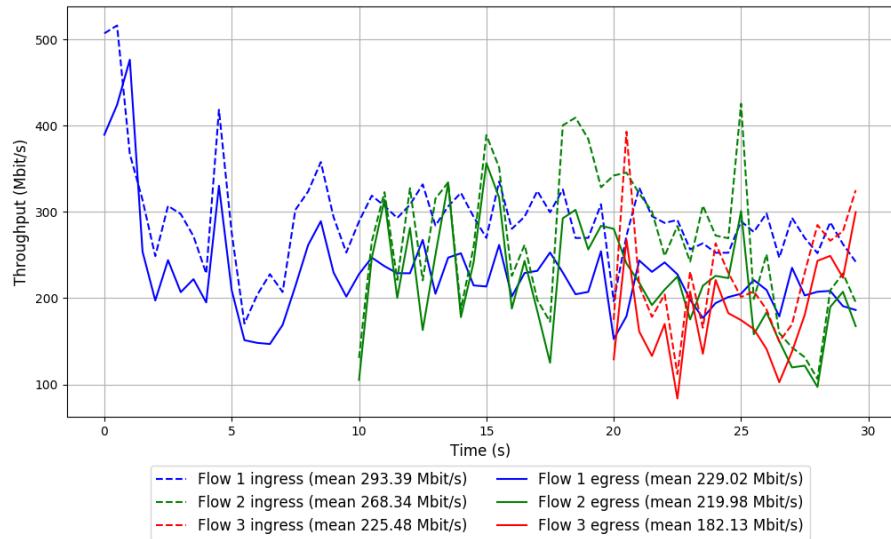


Run 7: Statistics of Verus

```
Start at: 2017-12-20 11:06:20
End at: 2017-12-20 11:06:50
Local clock offset: -0.037 ms
Remote clock offset: -1.146 ms

# Below is generated by plot.py at 2017-12-20 15:30:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 435.49 Mbit/s
95th percentile per-packet one-way delay: 40.329 ms
Loss rate: 20.28%
-- Flow 1:
Average throughput: 229.02 Mbit/s
95th percentile per-packet one-way delay: 62.464 ms
Loss rate: 21.93%
-- Flow 2:
Average throughput: 219.98 Mbit/s
95th percentile per-packet one-way delay: 24.583 ms
Loss rate: 18.01%
-- Flow 3:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 24.165 ms
Loss rate: 19.21%
```

Run 7: Report of Verus — Data Link

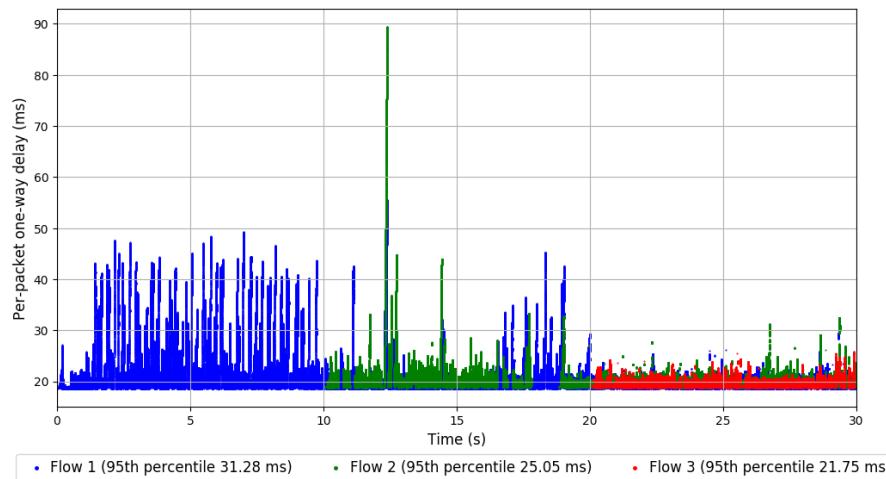
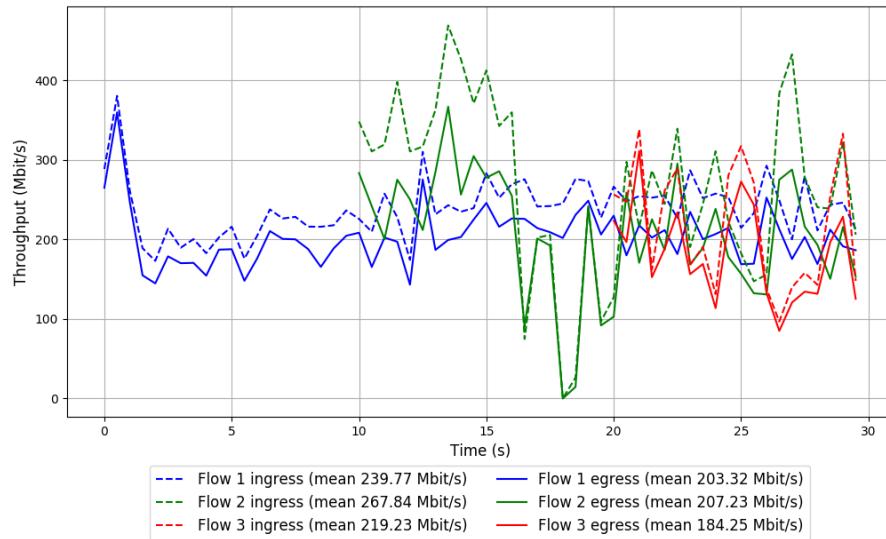


Run 8: Statistics of Verus

```
Start at: 2017-12-20 11:27:55
End at: 2017-12-20 11:28:25
Local clock offset: -0.008 ms
Remote clock offset: -1.487 ms

# Below is generated by plot.py at 2017-12-20 15:30:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.85 Mbit/s
95th percentile per-packet one-way delay: 27.286 ms
Loss rate: 18.01%
-- Flow 1:
Average throughput: 203.32 Mbit/s
95th percentile per-packet one-way delay: 31.278 ms
Loss rate: 15.20%
-- Flow 2:
Average throughput: 207.23 Mbit/s
95th percentile per-packet one-way delay: 25.048 ms
Loss rate: 22.61%
-- Flow 3:
Average throughput: 184.25 Mbit/s
95th percentile per-packet one-way delay: 21.745 ms
Loss rate: 15.96%
```

Run 8: Report of Verus — Data Link

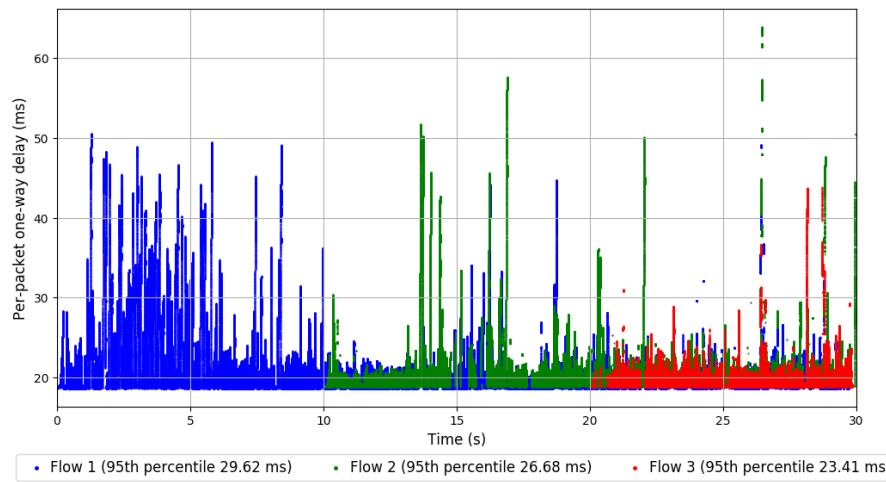
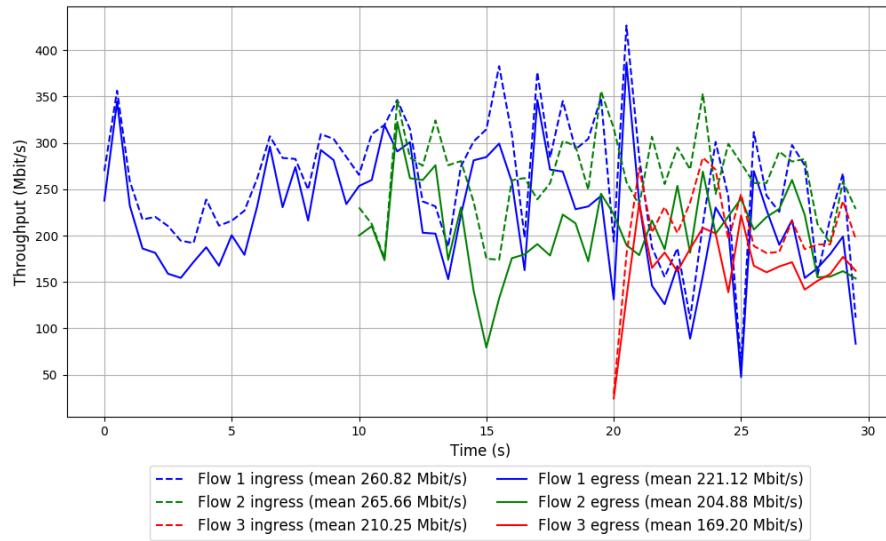


Run 9: Statistics of Verus

```
Start at: 2017-12-20 11:50:02
End at: 2017-12-20 11:50:32
Local clock offset: -0.085 ms
Remote clock offset: -1.942 ms

# Below is generated by plot.py at 2017-12-20 15:32:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 411.12 Mbit/s
95th percentile per-packet one-way delay: 27.791 ms
Loss rate: 18.47%
-- Flow 1:
Average throughput: 221.12 Mbit/s
95th percentile per-packet one-way delay: 29.617 ms
Loss rate: 15.21%
-- Flow 2:
Average throughput: 204.88 Mbit/s
95th percentile per-packet one-way delay: 26.675 ms
Loss rate: 22.84%
-- Flow 3:
Average throughput: 169.20 Mbit/s
95th percentile per-packet one-way delay: 23.410 ms
Loss rate: 19.53%
```

Run 9: Report of Verus — Data Link

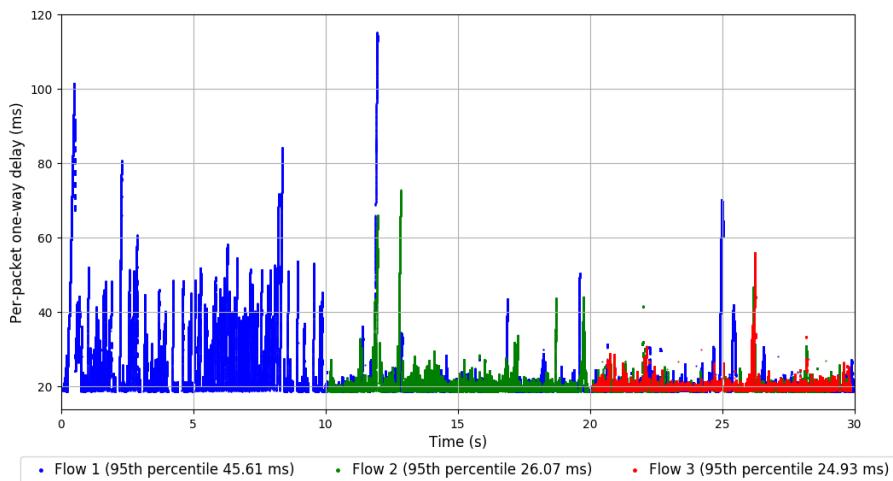
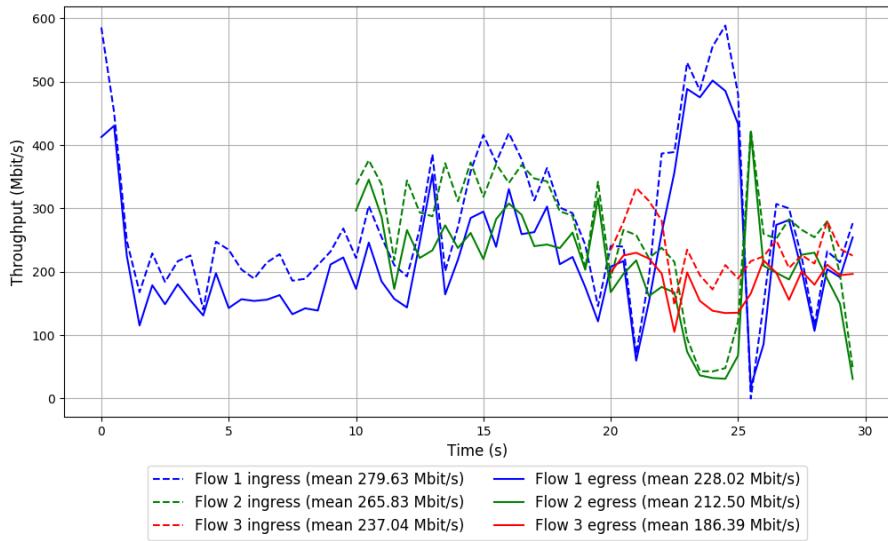


Run 10: Statistics of Verus

```
Start at: 2017-12-20 12:12:01
End at: 2017-12-20 12:12:31
Local clock offset: -0.124 ms
Remote clock offset: -2.073 ms

# Below is generated by plot.py at 2017-12-20 15:35:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 429.02 Mbit/s
95th percentile per-packet one-way delay: 38.630 ms
Loss rate: 19.43%
-- Flow 1:
Average throughput: 228.02 Mbit/s
95th percentile per-packet one-way delay: 45.614 ms
Loss rate: 18.45%
-- Flow 2:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 20.06%
-- Flow 3:
Average throughput: 186.39 Mbit/s
95th percentile per-packet one-way delay: 24.927 ms
Loss rate: 21.53%
```

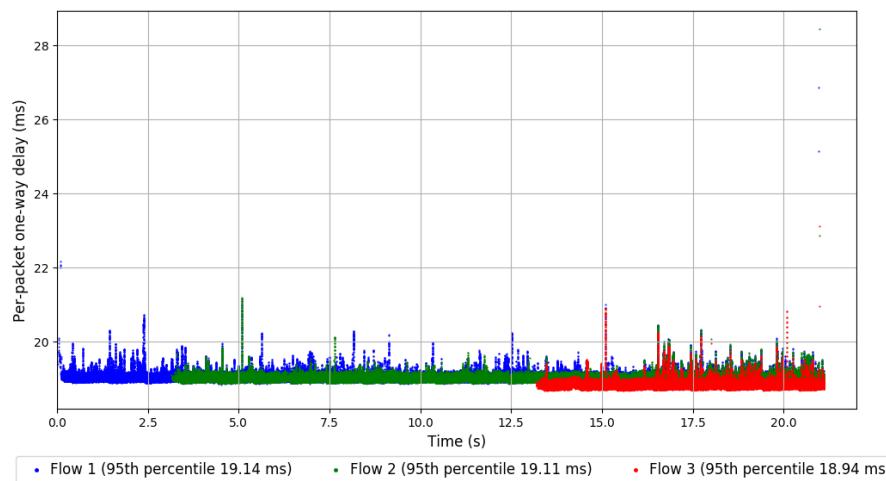
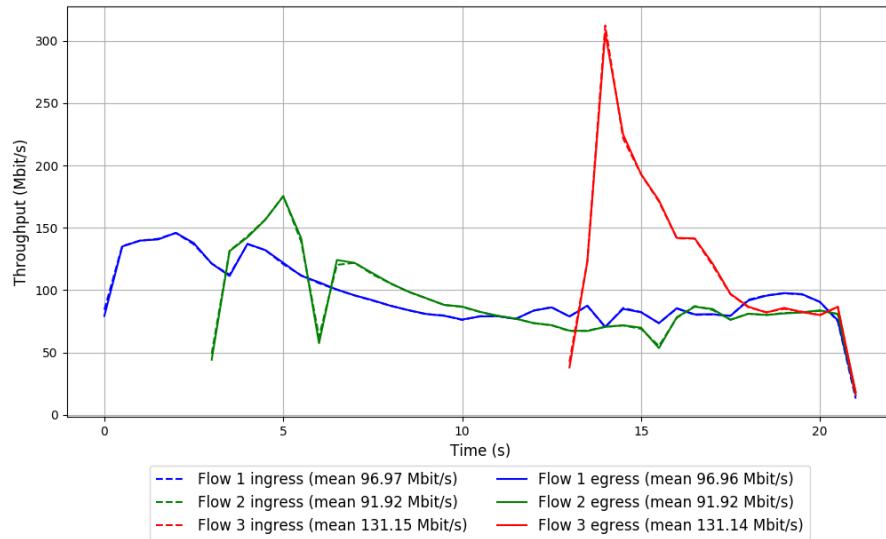
Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-12-20 08:48:59
End at: 2017-12-20 08:49:29
Local clock offset: 0.939 ms
Remote clock offset: -0.781 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

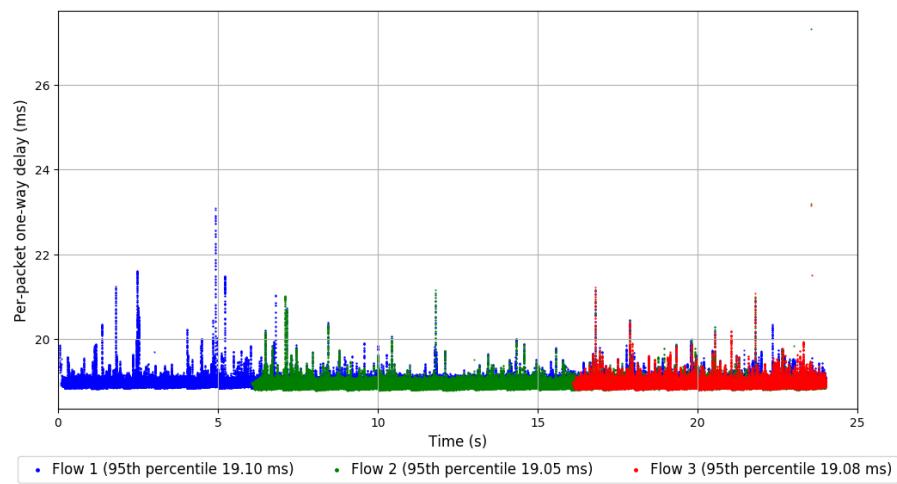
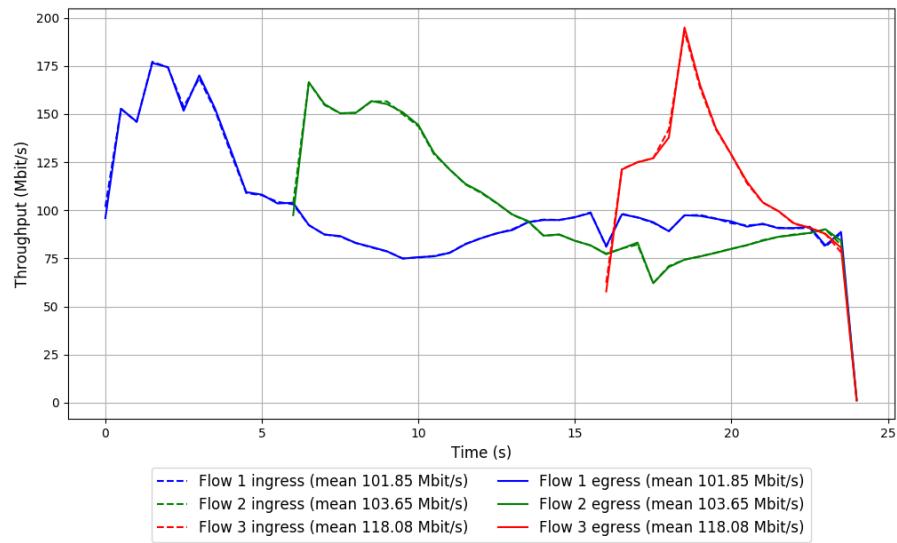
Start at: 2017-12-20 09:10:44

End at: 2017-12-20 09:11:14

Local clock offset: 1.038 ms

Remote clock offset: -0.953 ms

Run 2: Report of Copa — Data Link

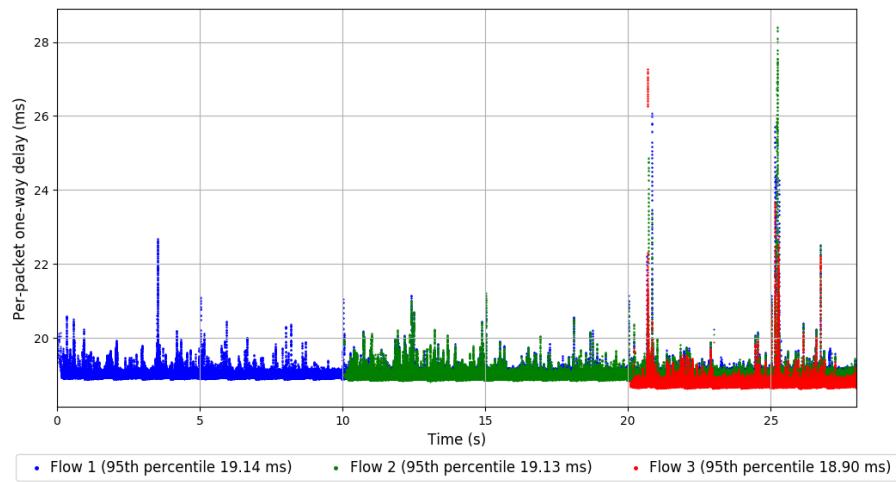
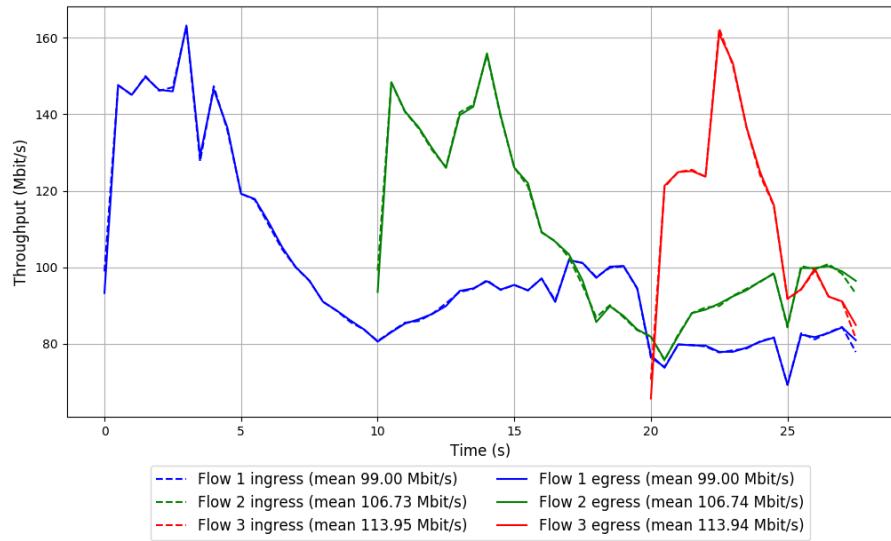


Run 3: Statistics of Copa

```
Start at: 2017-12-20 09:32:36
End at: 2017-12-20 09:33:06
Local clock offset: 0.961 ms
Remote clock offset: -1.108 ms

# Below is generated by plot.py at 2017-12-20 15:35:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.85 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.00 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.74 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.94 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.02%
```

Run 3: Report of Copa — Data Link

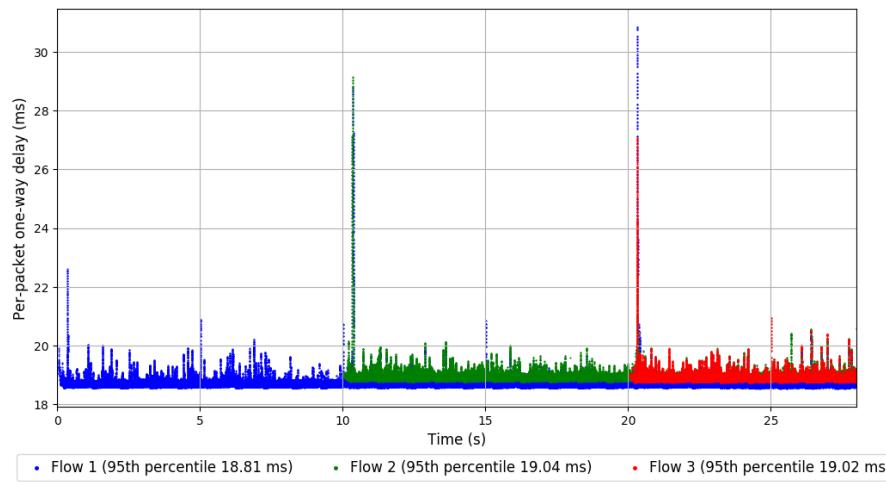
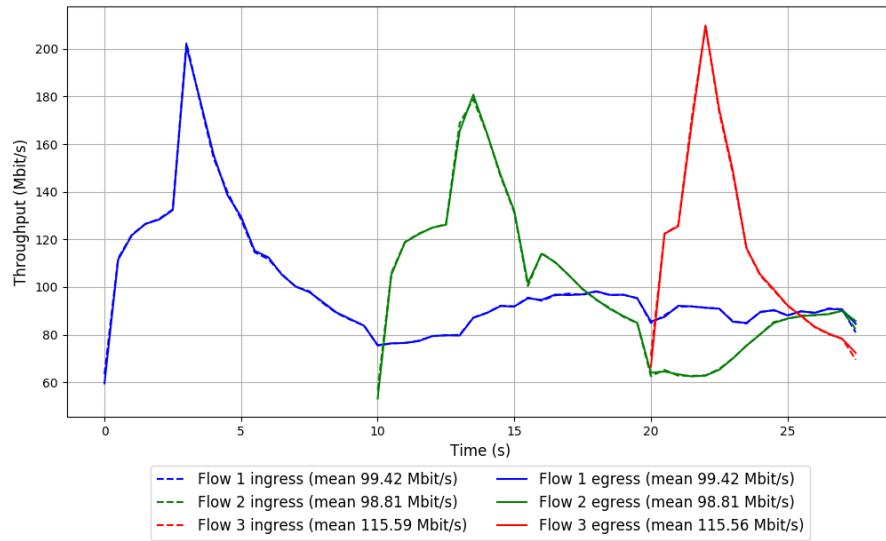


Run 4: Statistics of Copa

```
Start at: 2017-12-20 09:54:21
End at: 2017-12-20 09:54:51
Local clock offset: 0.921 ms
Remote clock offset: -0.995 ms

# Below is generated by plot.py at 2017-12-20 15:35:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 195.61 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.81 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.56 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

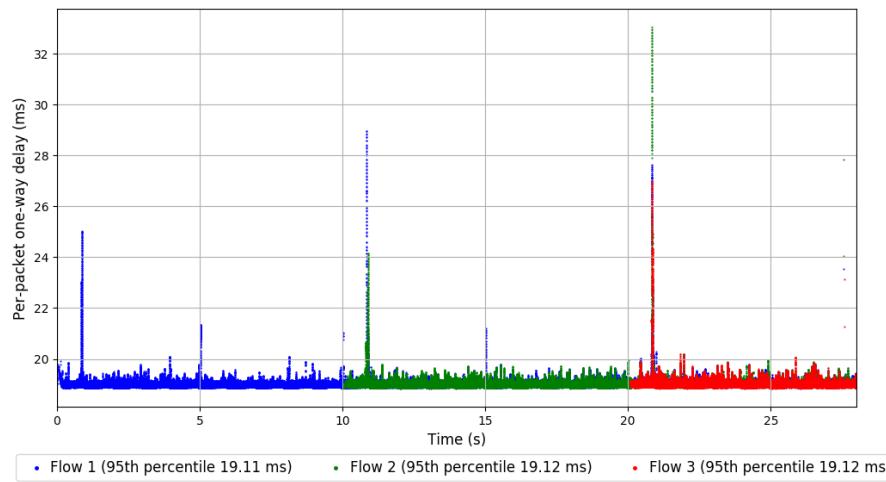
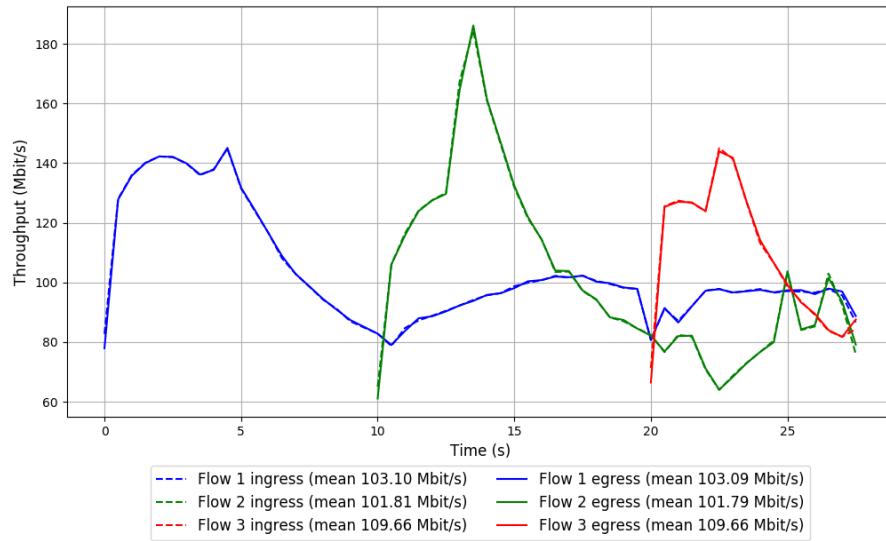


Run 5: Statistics of Copa

```
Start at: 2017-12-20 10:16:10
End at: 2017-12-20 10:16:40
Local clock offset: 0.527 ms
Remote clock offset: -1.245 ms

# Below is generated by plot.py at 2017-12-20 15:35:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 199.53 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.09 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.79 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 109.66 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.04%
```

Run 5: Report of Copa — Data Link

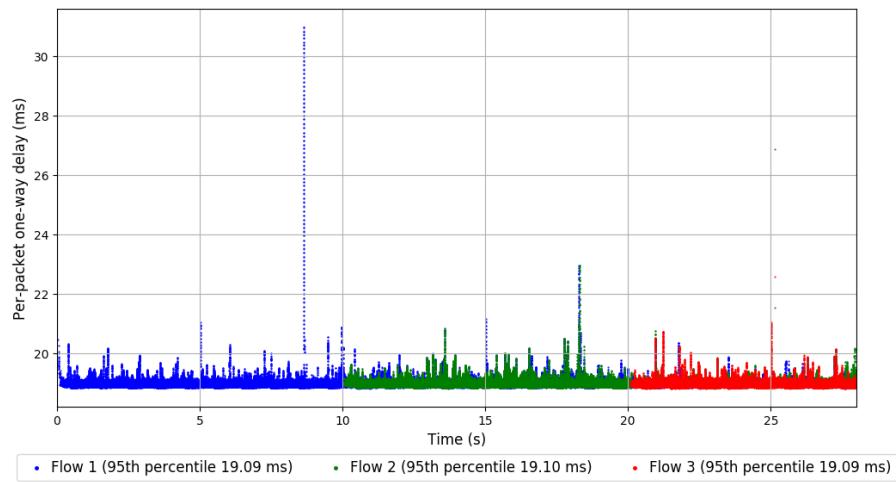
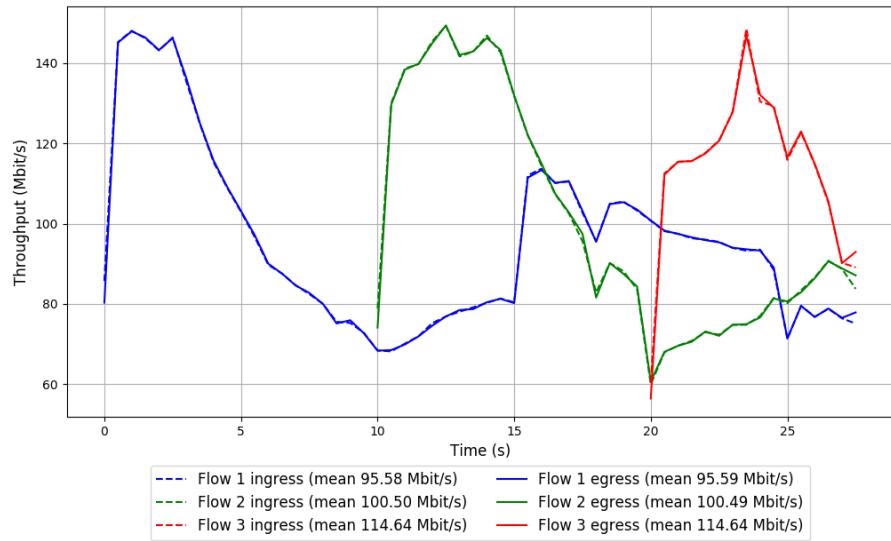


Run 6: Statistics of Copa

```
Start at: 2017-12-20 10:38:03
End at: 2017-12-20 10:38:33
Local clock offset: 0.203 ms
Remote clock offset: -1.217 ms

# Below is generated by plot.py at 2017-12-20 15:35:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.60 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.49 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 114.64 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

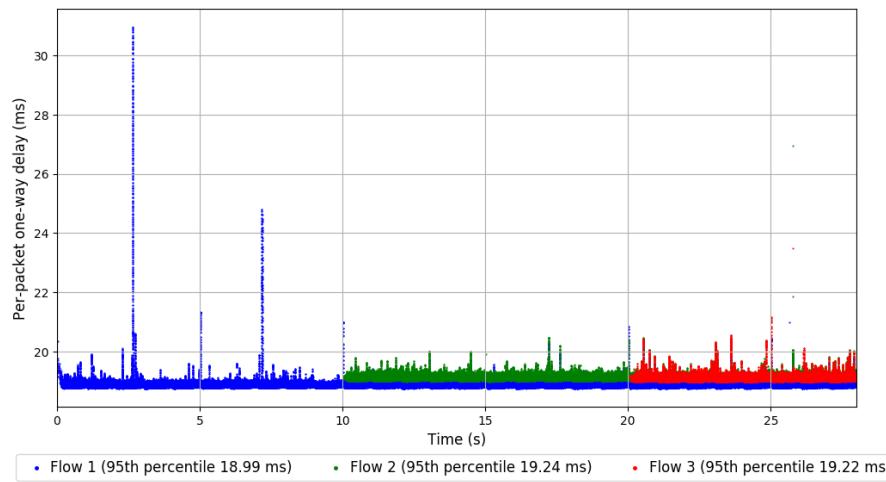
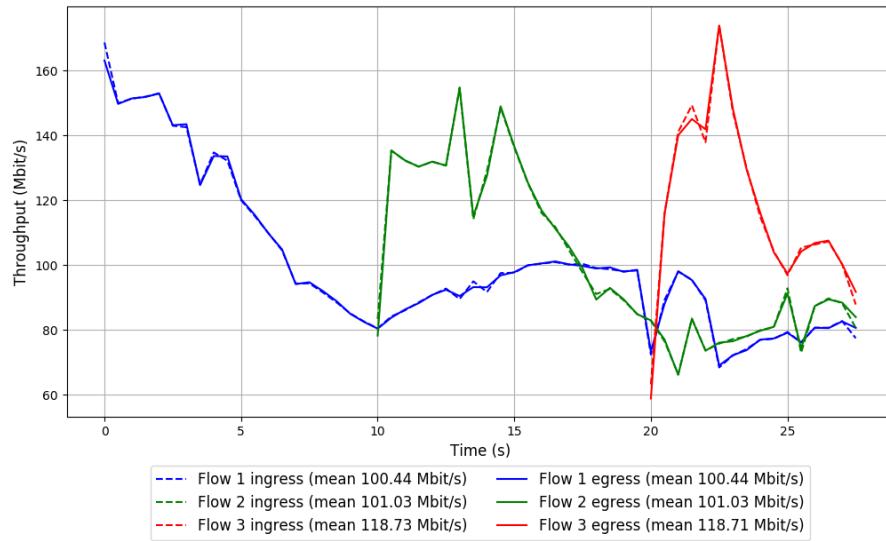


Run 7: Statistics of Copa

```
Start at: 2017-12-20 10:59:58
End at: 2017-12-20 11:00:28
Local clock offset: 0.041 ms
Remote clock offset: -1.132 ms

# Below is generated by plot.py at 2017-12-20 15:37:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 100.44 Mbit/s
95th percentile per-packet one-way delay: 18.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.03 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 118.71 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.01%
```

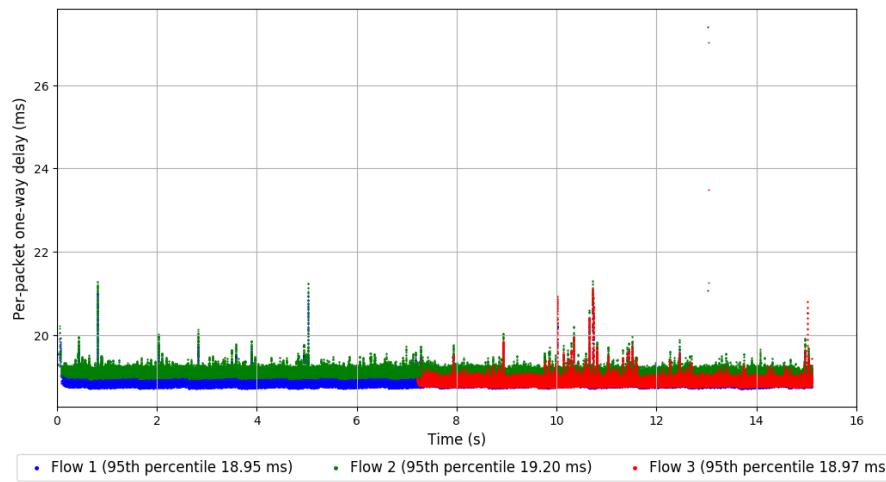
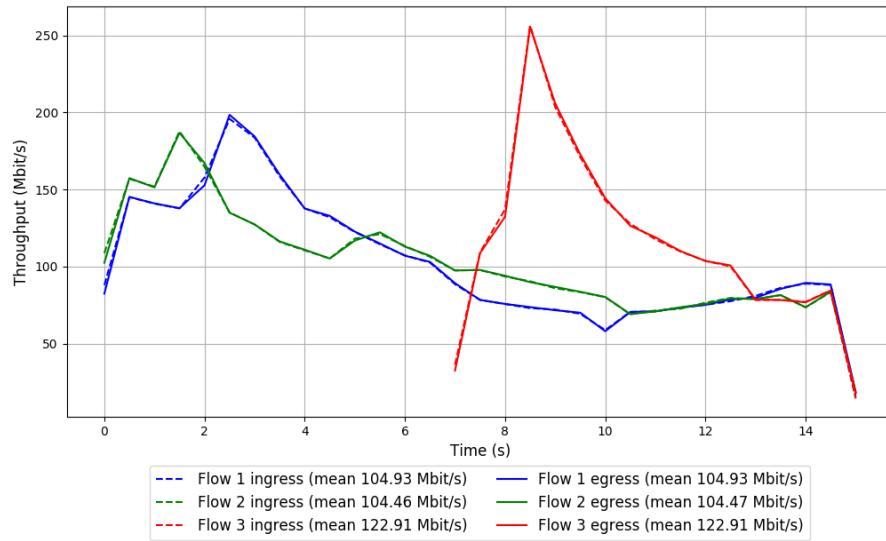
Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-20 11:21:38
End at: 2017-12-20 11:22:08
Local clock offset: -0.093 ms
Remote clock offset: -1.277 ms

Run 8: Report of Copa — Data Link

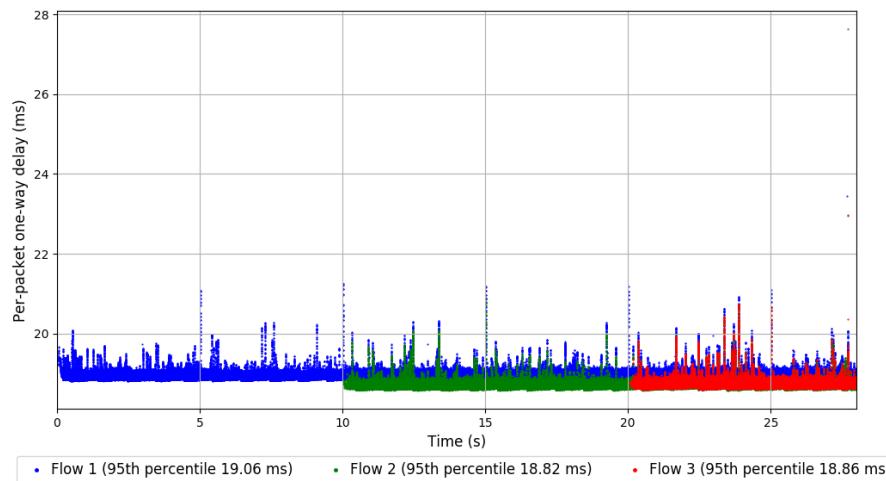
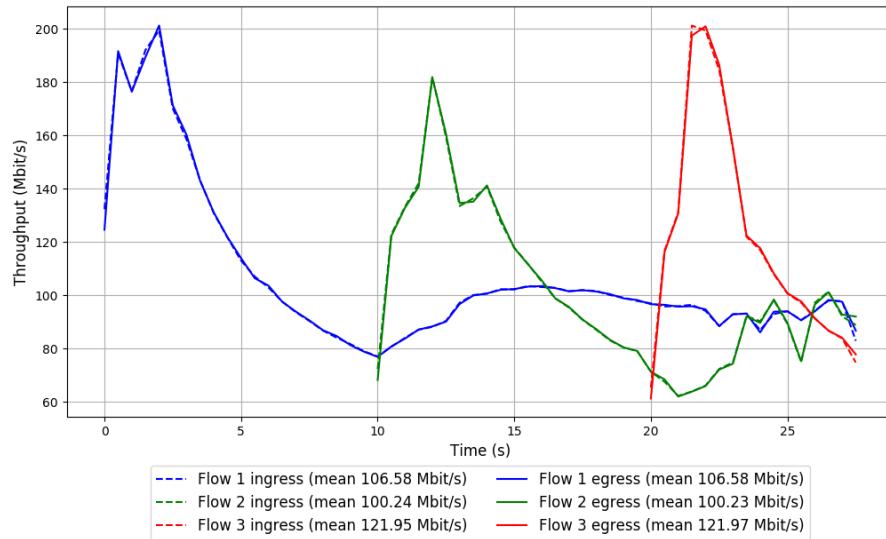


Run 9: Statistics of Copa

```
Start at: 2017-12-20 11:43:37
End at: 2017-12-20 11:44:07
Local clock offset: -0.104 ms
Remote clock offset: -1.826 ms

# Below is generated by plot.py at 2017-12-20 15:38:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 205.52 Mbit/s
95th percentile per-packet one-way delay: 19.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.58 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.23 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.97 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

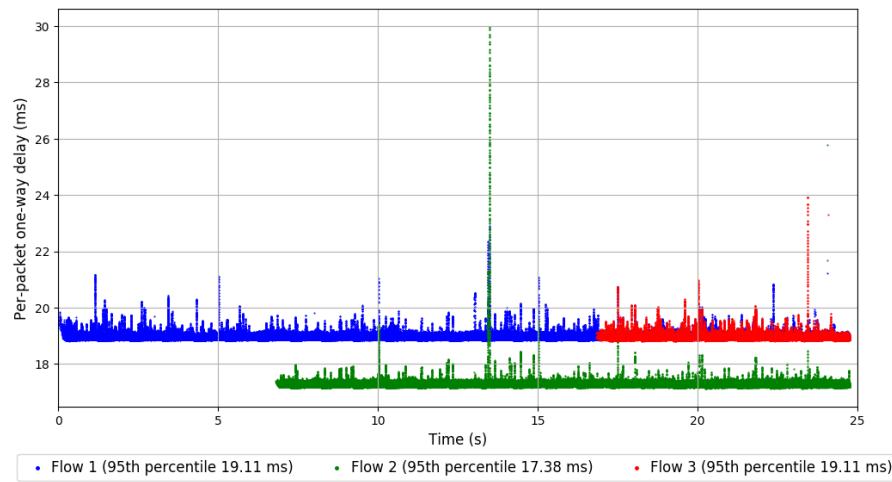
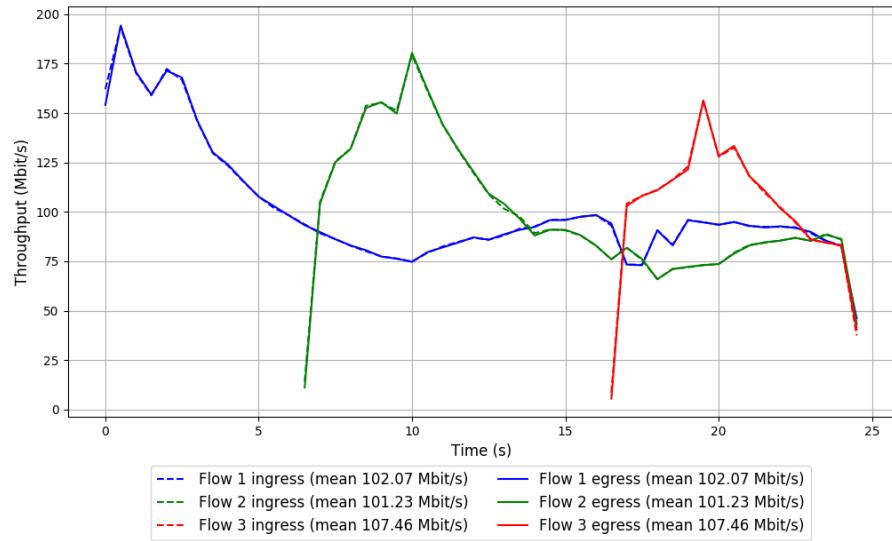


Run 10: Statistics of Copa

```
Start at: 2017-12-20 12:05:39
End at: 2017-12-20 12:06:09
Local clock offset: -0.1 ms
Remote clock offset: -2.195 ms

# Below is generated by plot.py at 2017-12-20 15:38:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 209.95 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.07 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.23 Mbit/s
95th percentile per-packet one-way delay: 17.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.46 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

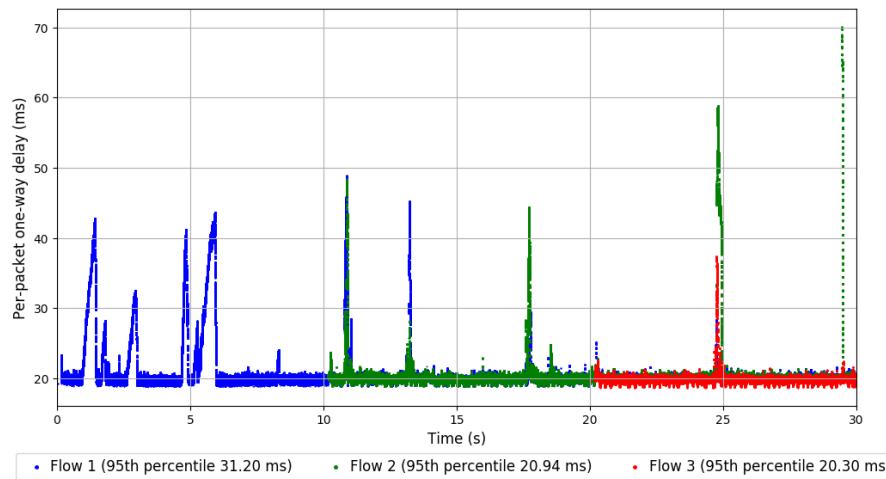
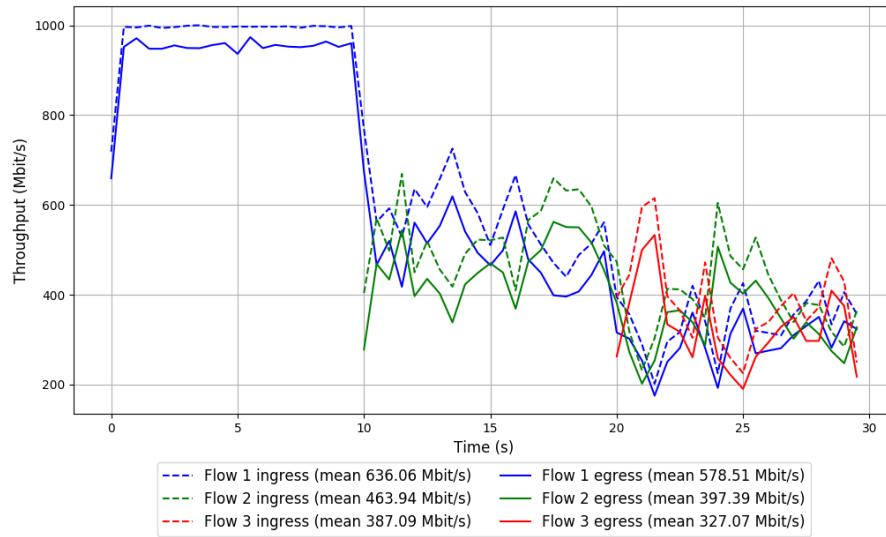


Run 1: Statistics of FillP

```
Start at: 2017-12-20 08:51:48
End at: 2017-12-20 08:52:18
Local clock offset: 0.904 ms
Remote clock offset: -0.773 ms

# Below is generated by plot.py at 2017-12-20 15:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 951.35 Mbit/s
95th percentile per-packet one-way delay: 28.097 ms
Loss rate: 11.41%
-- Flow 1:
Average throughput: 578.51 Mbit/s
95th percentile per-packet one-way delay: 31.205 ms
Loss rate: 9.09%
-- Flow 2:
Average throughput: 397.39 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 14.41%
-- Flow 3:
Average throughput: 327.07 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 15.65%
```

Run 1: Report of FillP — Data Link

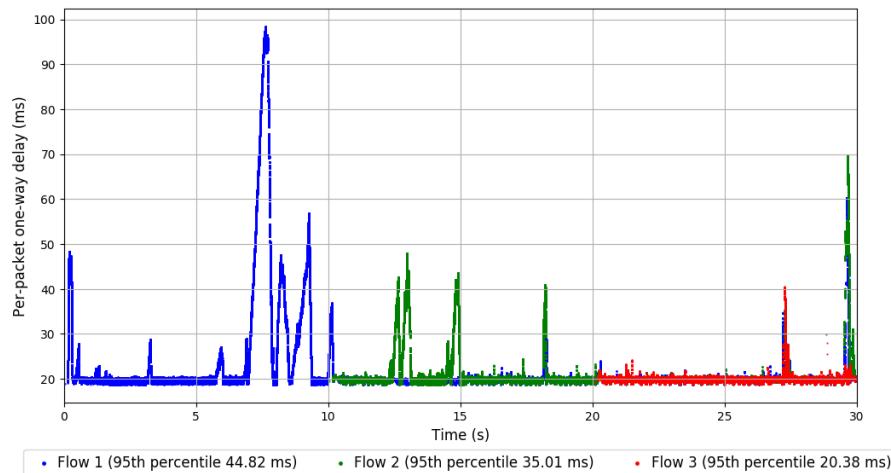
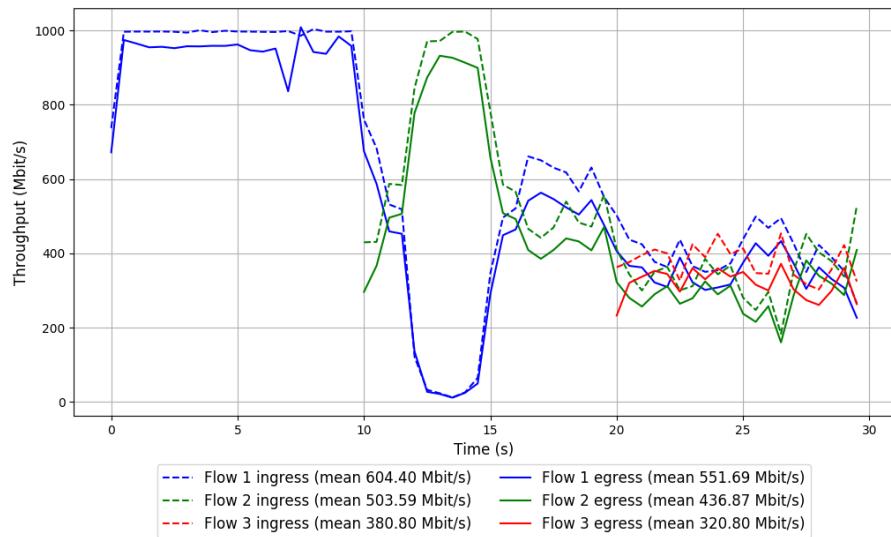


Run 2: Statistics of FillP

```
Start at: 2017-12-20 09:13:35
End at: 2017-12-20 09:14:05
Local clock offset: 0.934 ms
Remote clock offset: -1.033 ms

# Below is generated by plot.py at 2017-12-20 15:50:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 948.74 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 10.98%
-- Flow 1:
Average throughput: 551.69 Mbit/s
95th percentile per-packet one-way delay: 44.824 ms
Loss rate: 8.72%
-- Flow 2:
Average throughput: 436.87 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 13.25%
-- Flow 3:
Average throughput: 320.80 Mbit/s
95th percentile per-packet one-way delay: 20.378 ms
Loss rate: 15.76%
```

Run 2: Report of FillP — Data Link

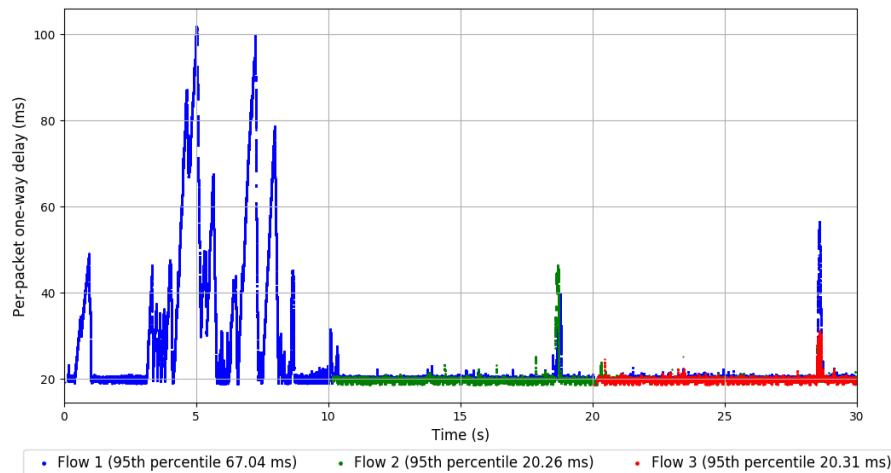
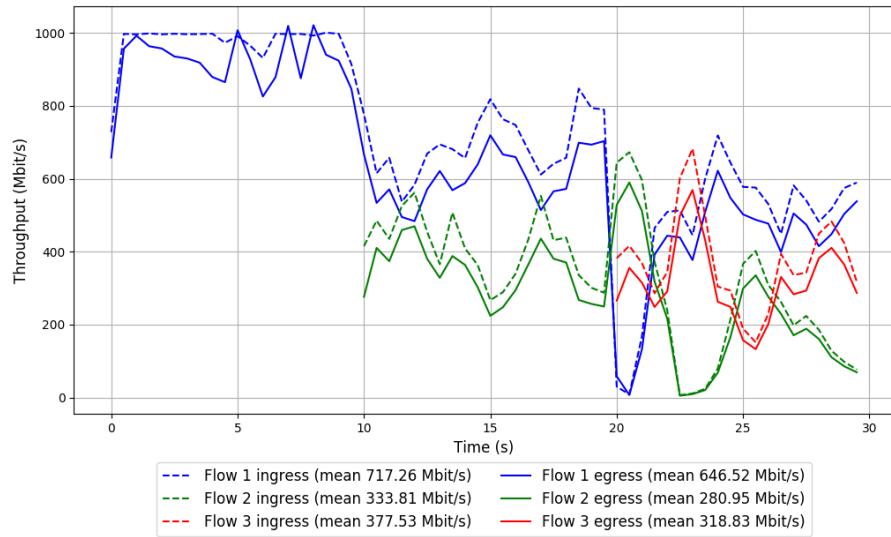


Run 3: Statistics of FillP

```
Start at: 2017-12-20 09:35:24
End at: 2017-12-20 09:35:54
Local clock offset: 0.948 ms
Remote clock offset: -1.104 ms

# Below is generated by plot.py at 2017-12-20 15:50:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 939.23 Mbit/s
95th percentile per-packet one-way delay: 54.669 ms
Loss rate: 11.77%
-- Flow 1:
Average throughput: 646.52 Mbit/s
95th percentile per-packet one-way delay: 67.044 ms
Loss rate: 9.86%
-- Flow 2:
Average throughput: 280.95 Mbit/s
95th percentile per-packet one-way delay: 20.259 ms
Loss rate: 15.83%
-- Flow 3:
Average throughput: 318.83 Mbit/s
95th percentile per-packet one-way delay: 20.307 ms
Loss rate: 15.54%
```

Run 3: Report of FillP — Data Link

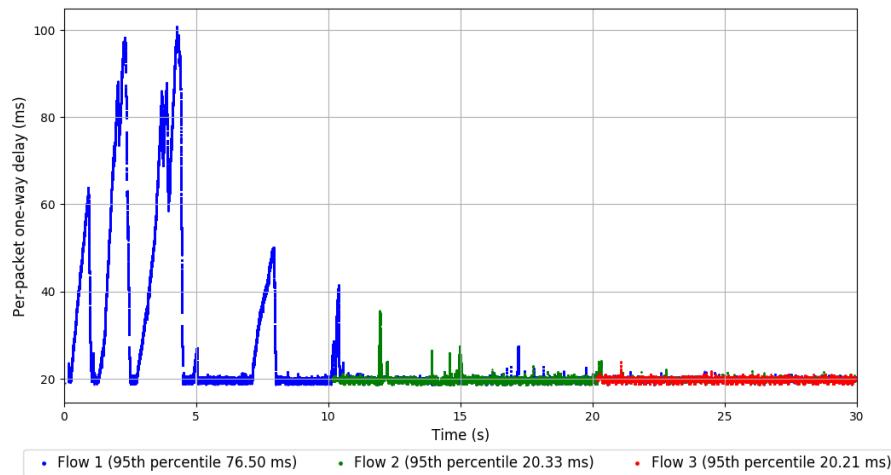
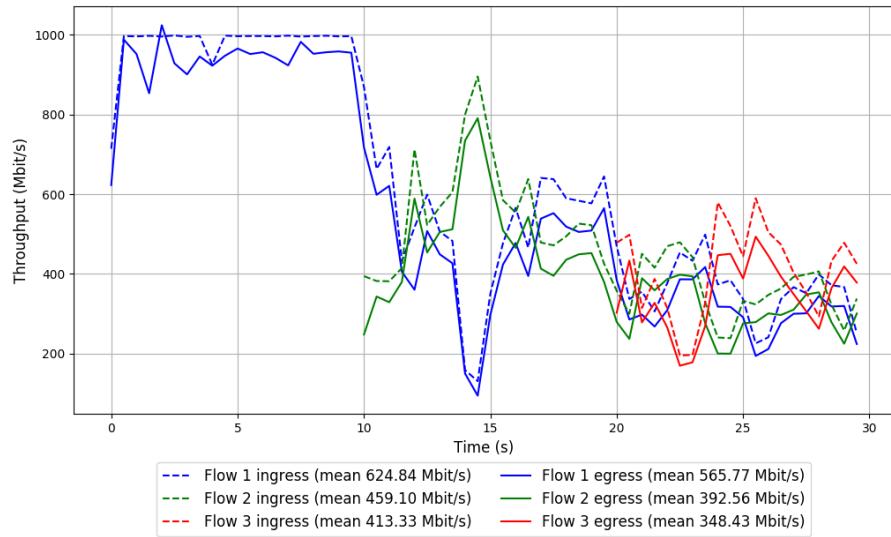


Run 4: Statistics of FillP

```
Start at: 2017-12-20 09:57:08
End at: 2017-12-20 09:57:38
Local clock offset: 0.902 ms
Remote clock offset: -0.889 ms

# Below is generated by plot.py at 2017-12-20 15:50:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 942.59 Mbit/s
95th percentile per-packet one-way delay: 61.424 ms
Loss rate: 11.70%
-- Flow 1:
Average throughput: 565.77 Mbit/s
95th percentile per-packet one-way delay: 76.501 ms
Loss rate: 9.45%
-- Flow 2:
Average throughput: 392.56 Mbit/s
95th percentile per-packet one-way delay: 20.329 ms
Loss rate: 14.49%
-- Flow 3:
Average throughput: 348.43 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 15.70%
```

Run 4: Report of FillP — Data Link

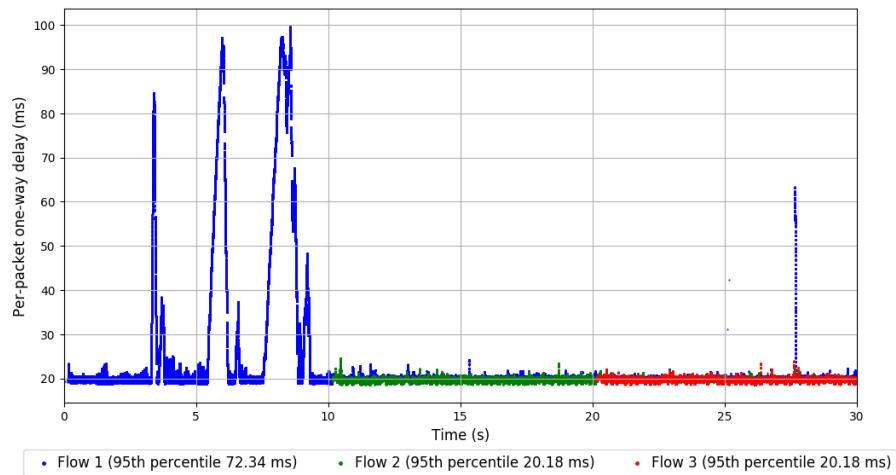
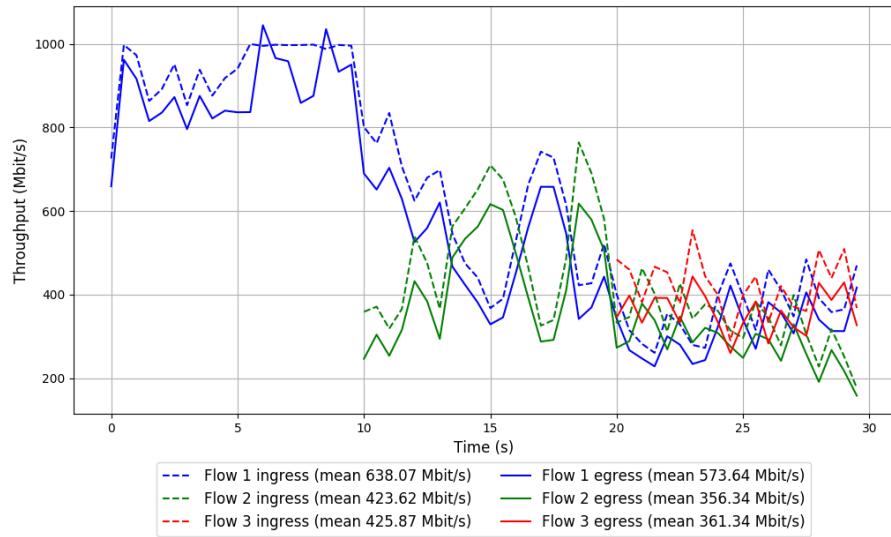


Run 5: Statistics of FillP

```
Start at: 2017-12-20 10:19:04
End at: 2017-12-20 10:19:34
Local clock offset: 0.464 ms
Remote clock offset: -1.41 ms

# Below is generated by plot.py at 2017-12-20 15:50:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 930.74 Mbit/s
95th percentile per-packet one-way delay: 52.496 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 573.64 Mbit/s
95th percentile per-packet one-way delay: 72.344 ms
Loss rate: 10.09%
-- Flow 2:
Average throughput: 356.34 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 15.88%
-- Flow 3:
Average throughput: 361.34 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 15.14%
```

Run 5: Report of FillP — Data Link

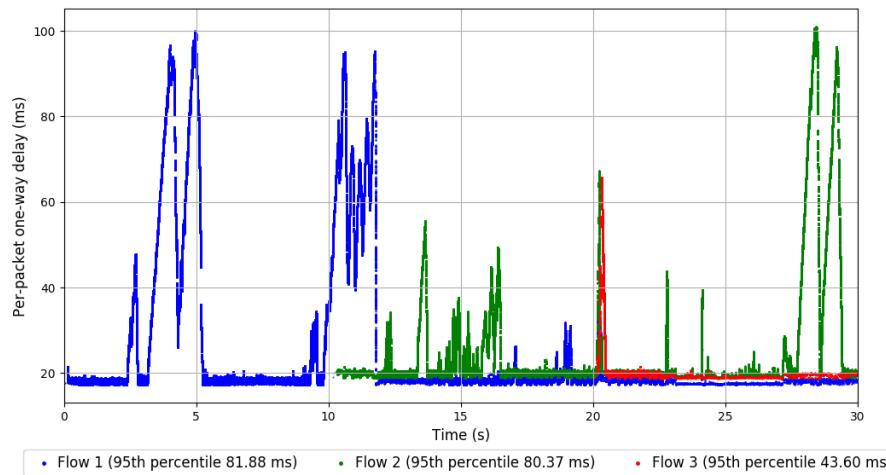
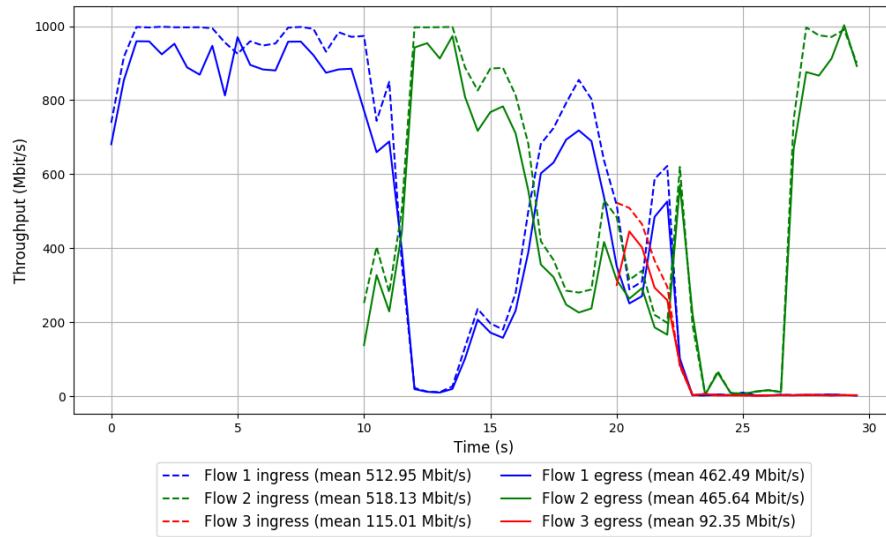


Run 6: Statistics of FillP

```
Start at: 2017-12-20 10:40:53
End at: 2017-12-20 10:41:23
Local clock offset: 0.265 ms
Remote clock offset: -1.166 ms

# Below is generated by plot.py at 2017-12-20 15:50:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 800.74 Mbit/s
95th percentile per-packet one-way delay: 80.468 ms
Loss rate: 10.63%
-- Flow 1:
Average throughput: 462.49 Mbit/s
95th percentile per-packet one-way delay: 81.877 ms
Loss rate: 9.84%
-- Flow 2:
Average throughput: 465.64 Mbit/s
95th percentile per-packet one-way delay: 80.372 ms
Loss rate: 10.81%
-- Flow 3:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 43.598 ms
Loss rate: 19.71%
```

Run 6: Report of FillP — Data Link

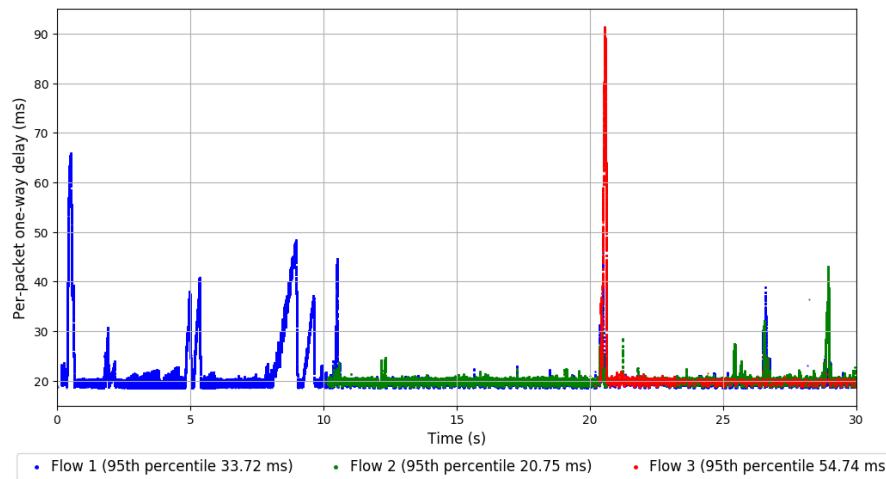
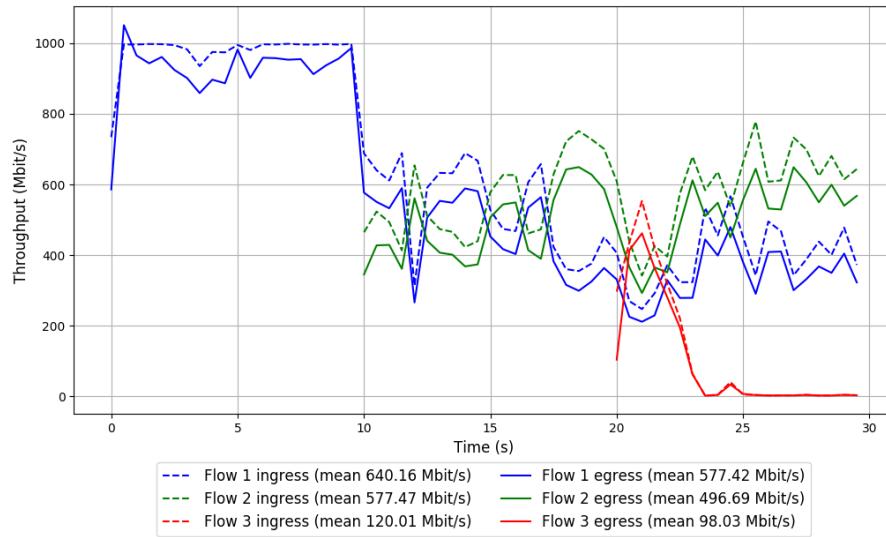


Run 7: Statistics of FillP

```
Start at: 2017-12-20 11:02:47
End at: 2017-12-20 11:03:17
Local clock offset: 0.091 ms
Remote clock offset: -1.267 ms

# Below is generated by plot.py at 2017-12-20 15:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 940.53 Mbit/s
95th percentile per-packet one-way delay: 29.221 ms
Loss rate: 11.63%
-- Flow 1:
Average throughput: 577.42 Mbit/s
95th percentile per-packet one-way delay: 33.720 ms
Loss rate: 9.80%
-- Flow 2:
Average throughput: 496.69 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 13.99%
-- Flow 3:
Average throughput: 98.03 Mbit/s
95th percentile per-packet one-way delay: 54.742 ms
Loss rate: 18.32%
```

Run 7: Report of FillP — Data Link

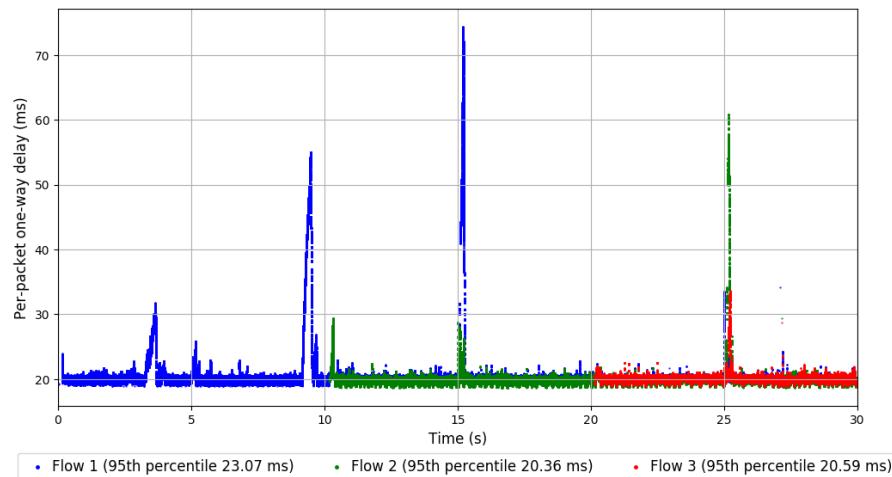
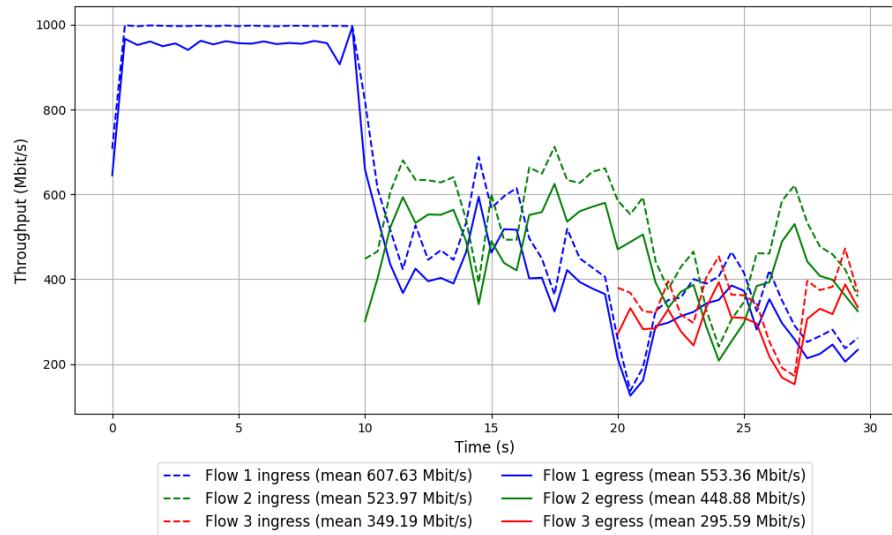


Run 8: Statistics of FillP

```
Start at: 2017-12-20 11:24:23
End at: 2017-12-20 11:24:53
Local clock offset: -0.008 ms
Remote clock offset: -1.344 ms

# Below is generated by plot.py at 2017-12-20 15:52:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 950.21 Mbit/s
95th percentile per-packet one-way delay: 21.350 ms
Loss rate: 11.38%
-- Flow 1:
Average throughput: 553.36 Mbit/s
95th percentile per-packet one-way delay: 23.068 ms
Loss rate: 8.93%
-- Flow 2:
Average throughput: 448.88 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 14.34%
-- Flow 3:
Average throughput: 295.59 Mbit/s
95th percentile per-packet one-way delay: 20.594 ms
Loss rate: 15.35%
```

Run 8: Report of FillP — Data Link

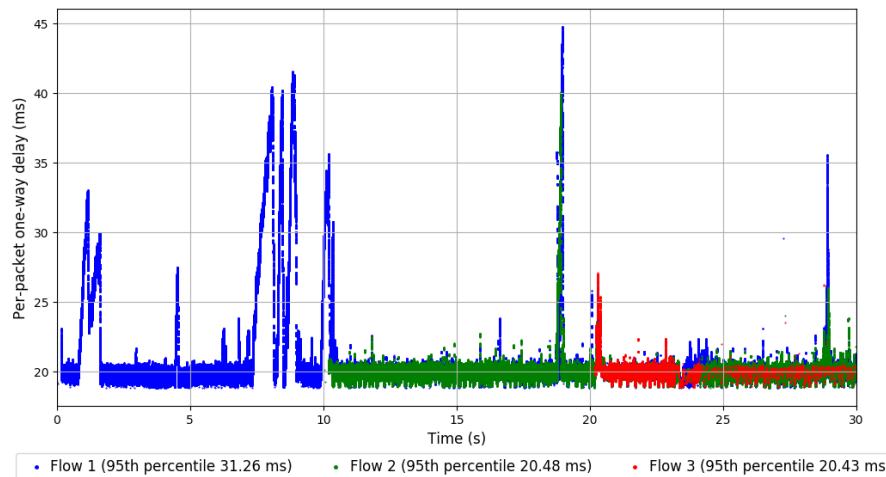
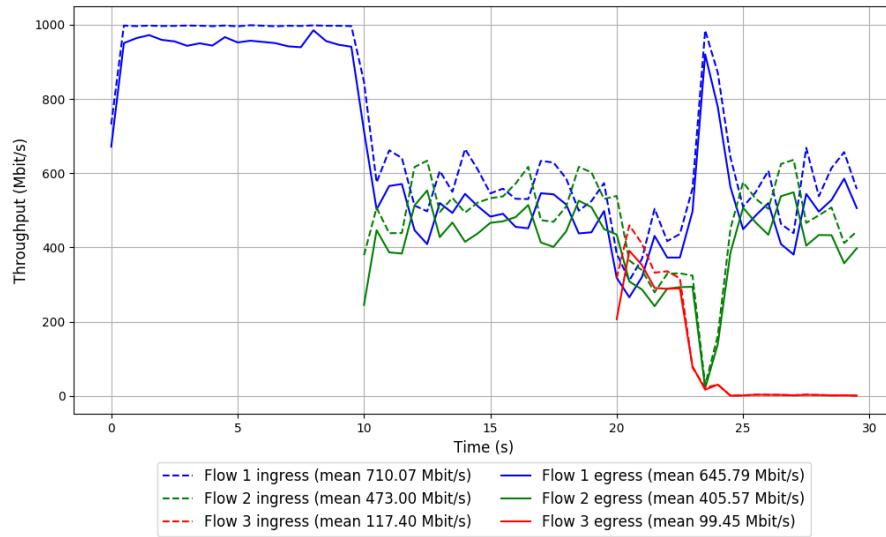


Run 9: Statistics of FillP

```
Start at: 2017-12-20 11:46:29
End at: 2017-12-20 11:46:59
Local clock offset: -0.112 ms
Remote clock offset: -1.897 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 948.64 Mbit/s
95th percentile per-packet one-way delay: 28.233 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 645.79 Mbit/s
95th percentile per-packet one-way delay: 31.259 ms
Loss rate: 9.05%
-- Flow 2:
Average throughput: 405.57 Mbit/s
95th percentile per-packet one-way delay: 20.483 ms
Loss rate: 14.25%
-- Flow 3:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 15.29%
```

Run 9: Report of FillP — Data Link

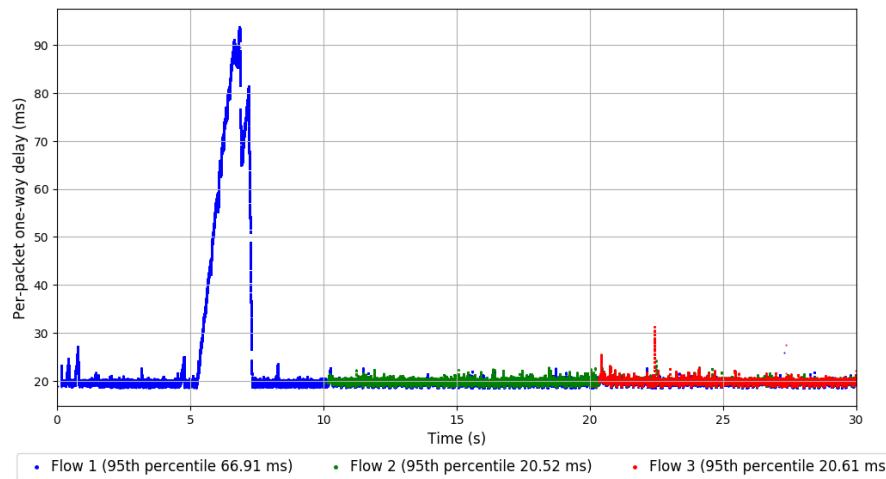
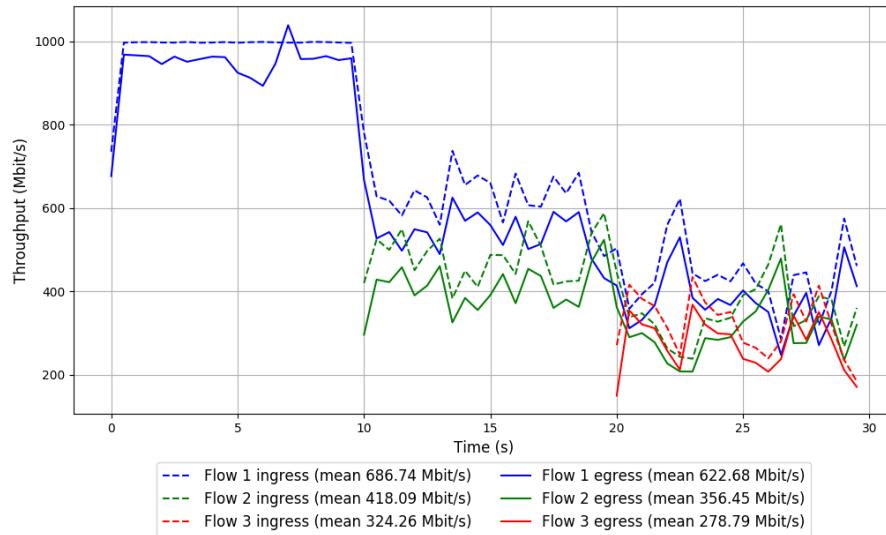


Run 10: Statistics of FillP

```
Start at: 2017-12-20 12:08:30
End at: 2017-12-20 12:09:00
Local clock offset: -0.121 ms
Remote clock offset: -2.201 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 950.94 Mbit/s
95th percentile per-packet one-way delay: 43.677 ms
Loss rate: 11.33%
-- Flow 1:
Average throughput: 622.68 Mbit/s
95th percentile per-packet one-way delay: 66.912 ms
Loss rate: 9.32%
-- Flow 2:
Average throughput: 356.45 Mbit/s
95th percentile per-packet one-way delay: 20.519 ms
Loss rate: 14.73%
-- Flow 3:
Average throughput: 278.79 Mbit/s
95th percentile per-packet one-way delay: 20.606 ms
Loss rate: 15.32%
```

Run 10: Report of FillP — Data Link

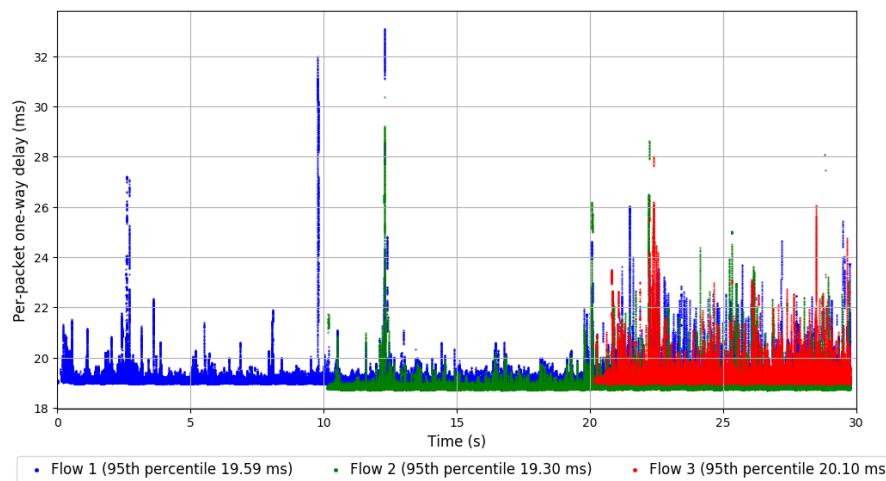
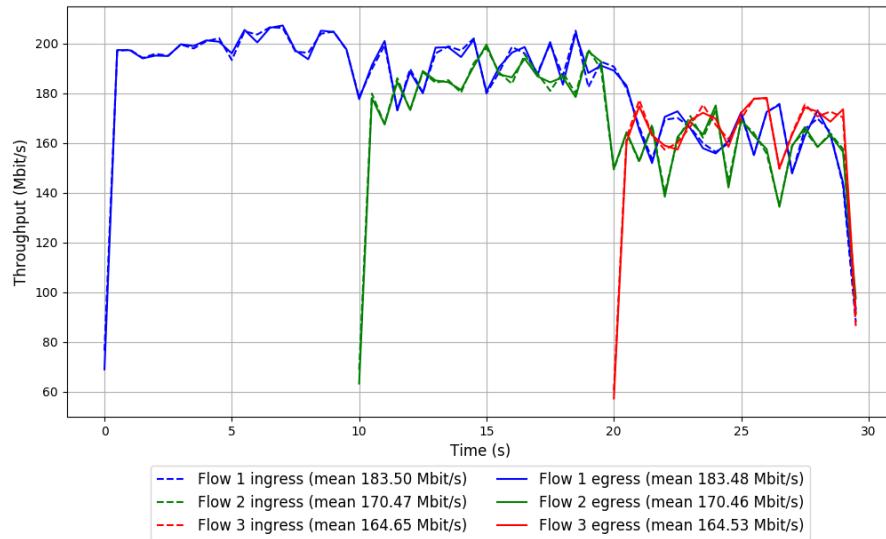


Run 1: Statistics of Indigo

```
Start at: 2017-12-20 08:37:25
End at: 2017-12-20 08:37:55
Local clock offset: 1.012 ms
Remote clock offset: -0.818 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.17 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 183.48 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 170.46 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 164.53 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo — Data Link

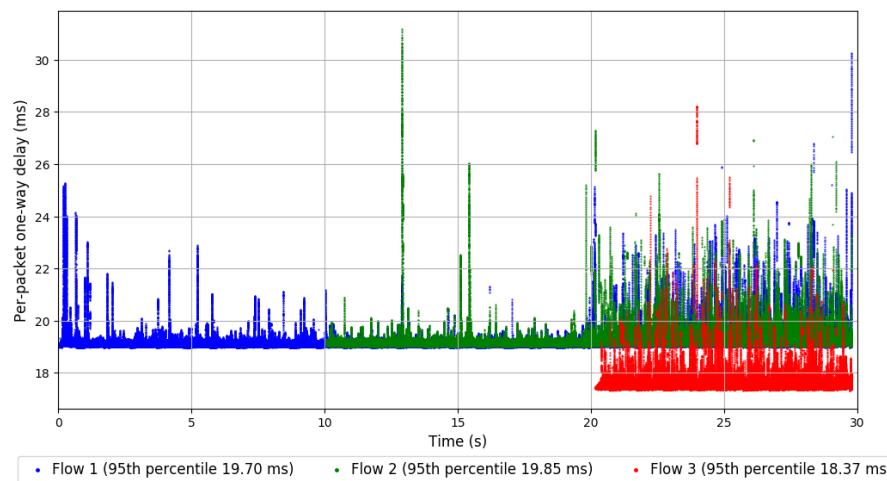
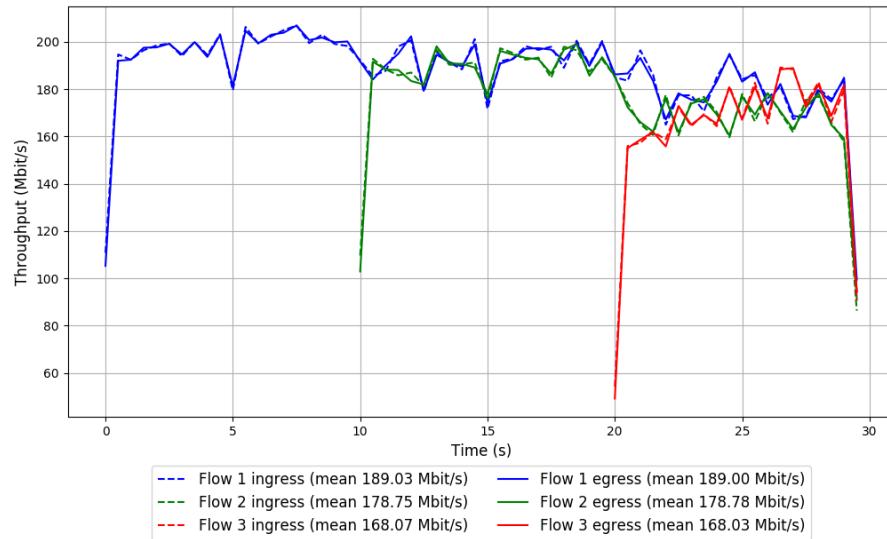


Run 2: Statistics of Indigo

```
Start at: 2017-12-20 08:59:21
End at: 2017-12-20 08:59:51
Local clock offset: 0.912 ms
Remote clock offset: -0.67 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 361.62 Mbit/s
95th percentile per-packet one-way delay: 19.675 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 189.00 Mbit/s
95th percentile per-packet one-way delay: 19.701 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 178.78 Mbit/s
95th percentile per-packet one-way delay: 19.848 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.03 Mbit/s
95th percentile per-packet one-way delay: 18.368 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo — Data Link

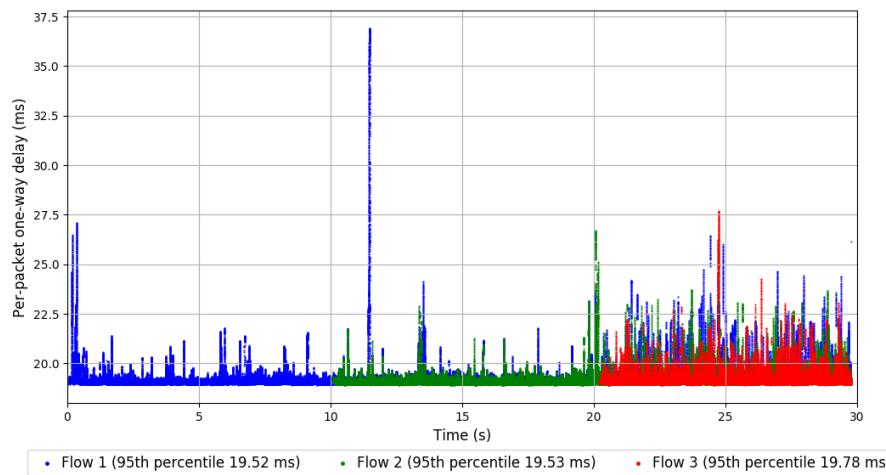
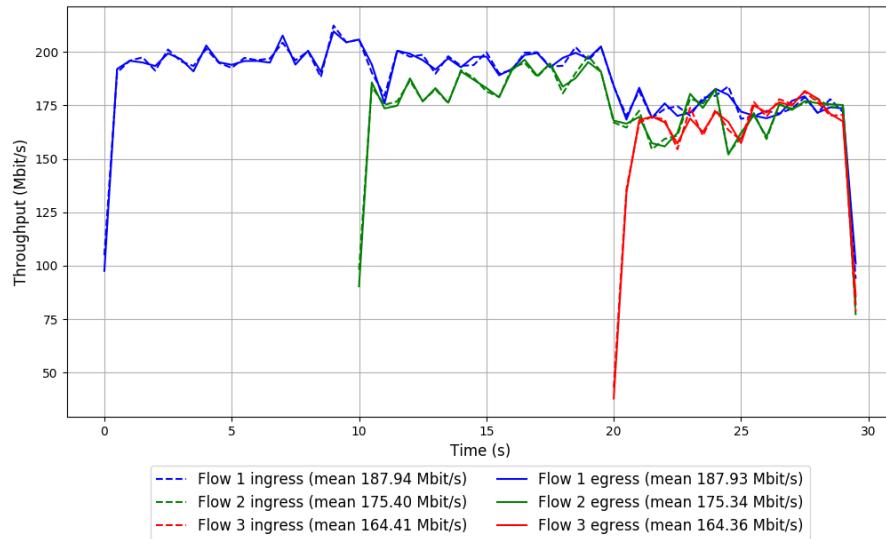


Run 3: Statistics of Indigo

```
Start at: 2017-12-20 09:21:12
End at: 2017-12-20 09:21:42
Local clock offset: 1.003 ms
Remote clock offset: -1.002 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.82 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.93 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.34 Mbit/s
95th percentile per-packet one-way delay: 19.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.36 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo — Data Link

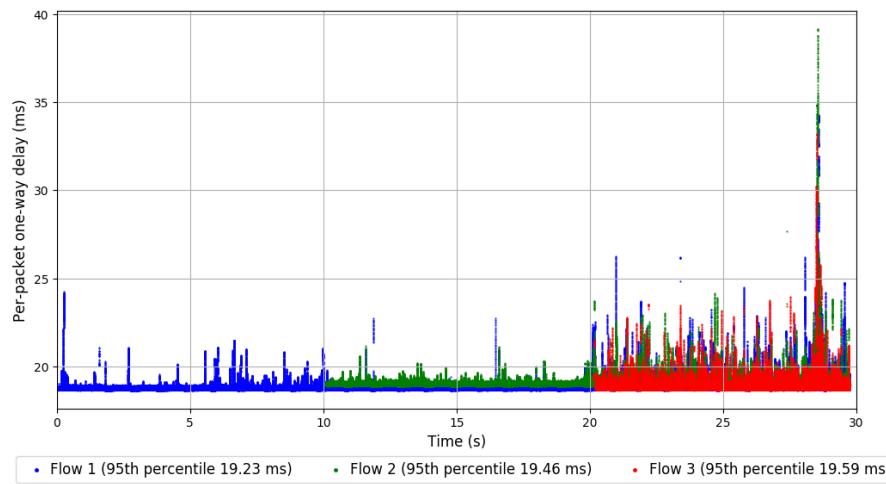
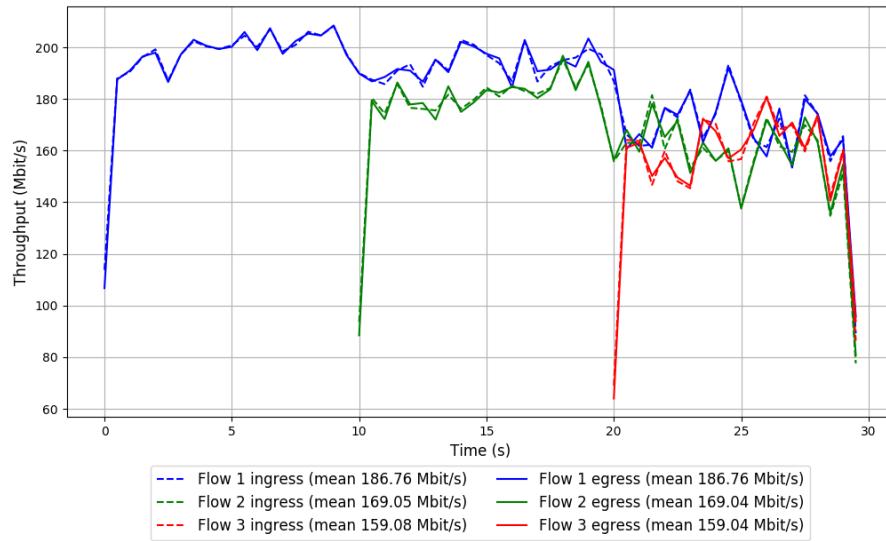


Run 4: Statistics of Indigo

```
Start at: 2017-12-20 09:43:00
End at: 2017-12-20 09:43:30
Local clock offset: 0.991 ms
Remote clock offset: -0.997 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.21 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.76 Mbit/s
95th percentile per-packet one-way delay: 19.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.04 Mbit/s
95th percentile per-packet one-way delay: 19.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.04 Mbit/s
95th percentile per-packet one-way delay: 19.591 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo — Data Link

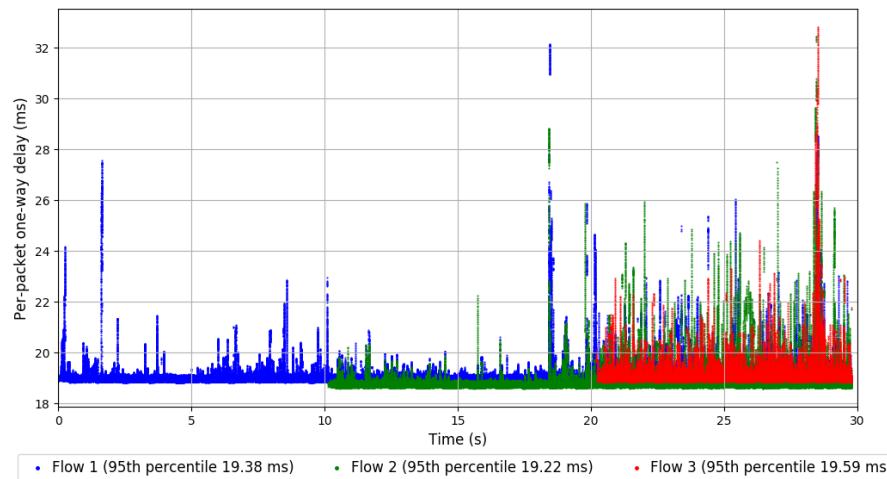
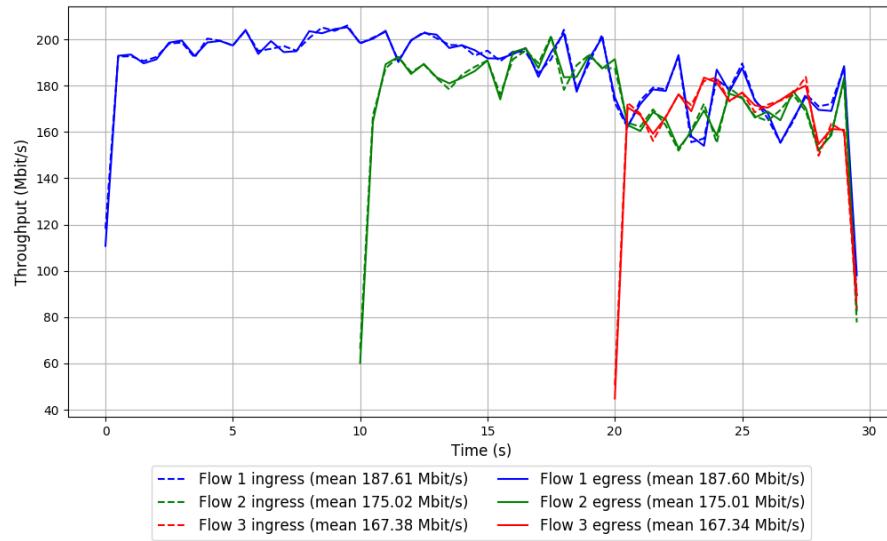


Run 5: Statistics of Indigo

```
Start at: 2017-12-20 10:04:44
End at: 2017-12-20 10:05:14
Local clock offset: 0.721 ms
Remote clock offset: -1.094 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 356.96 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.60 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 175.01 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.34 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

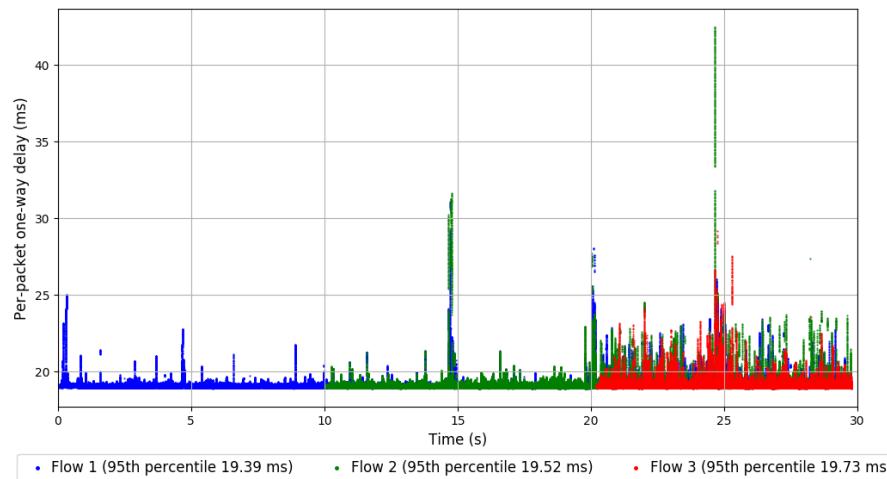
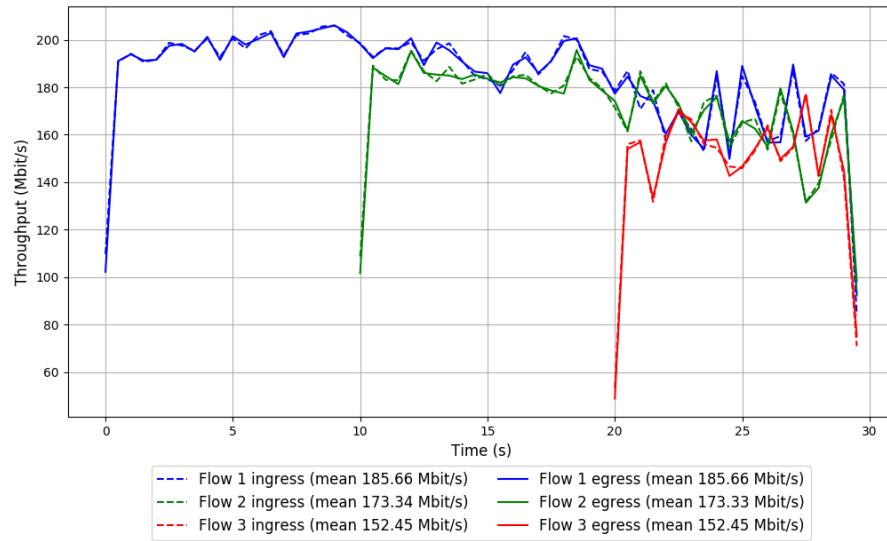


Run 6: Statistics of Indigo

```
Start at: 2017-12-20 10:26:38
End at: 2017-12-20 10:27:08
Local clock offset: 0.306 ms
Remote clock offset: -1.345 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.72 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.66 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.33 Mbit/s
95th percentile per-packet one-way delay: 19.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.45 Mbit/s
95th percentile per-packet one-way delay: 19.725 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

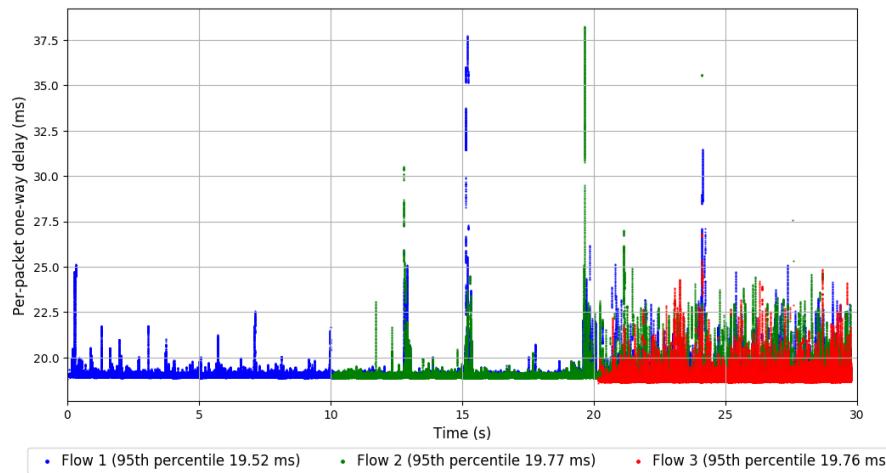
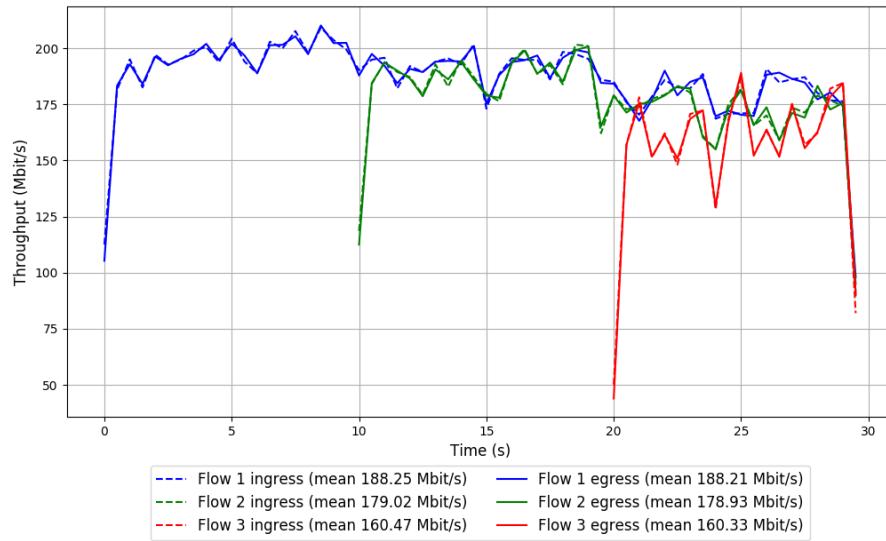


Run 7: Statistics of Indigo

```
Start at: 2017-12-20 10:48:19
End at: 2017-12-20 10:48:49
Local clock offset: 0.112 ms
Remote clock offset: -1.041 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 358.74 Mbit/s
95th percentile per-packet one-way delay: 19.632 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 188.21 Mbit/s
95th percentile per-packet one-way delay: 19.519 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 160.33 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.08%
```

Run 7: Report of Indigo — Data Link

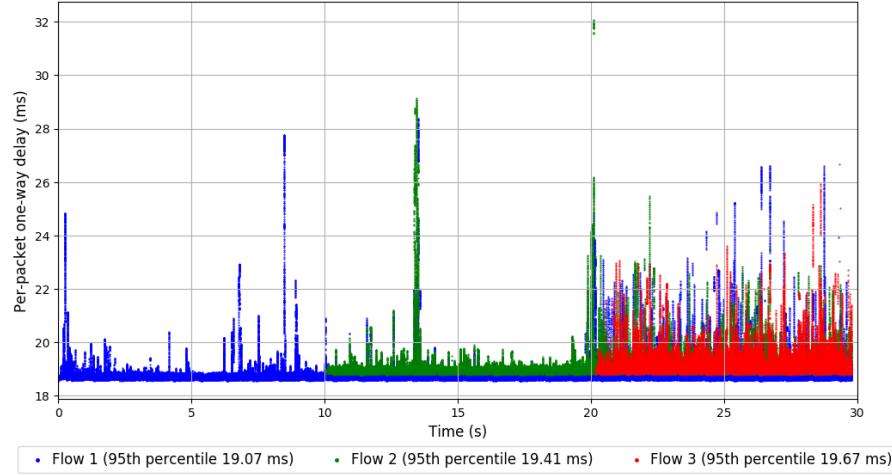
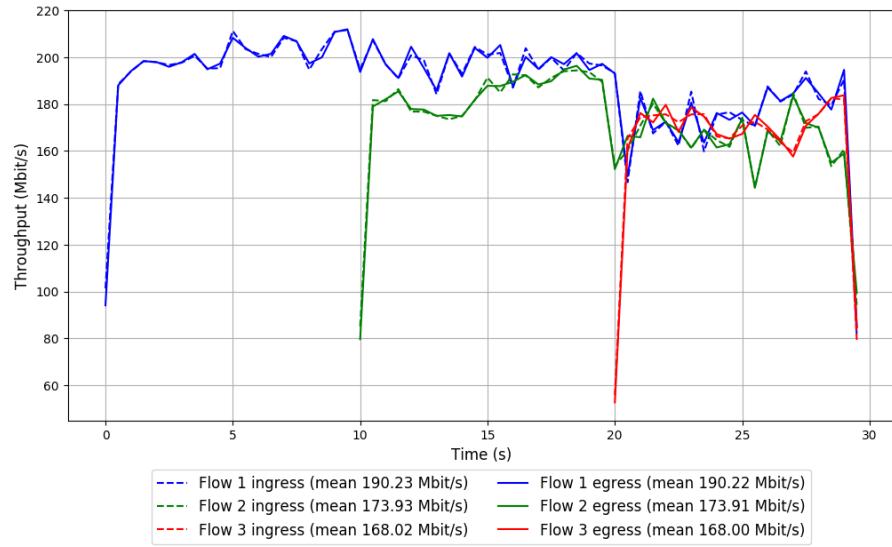


Run 8: Statistics of Indigo

```
Start at: 2017-12-20 11:10:24
End at: 2017-12-20 11:10:54
Local clock offset: 0.034 ms
Remote clock offset: -1.224 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.58 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 190.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.91 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 19.672 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

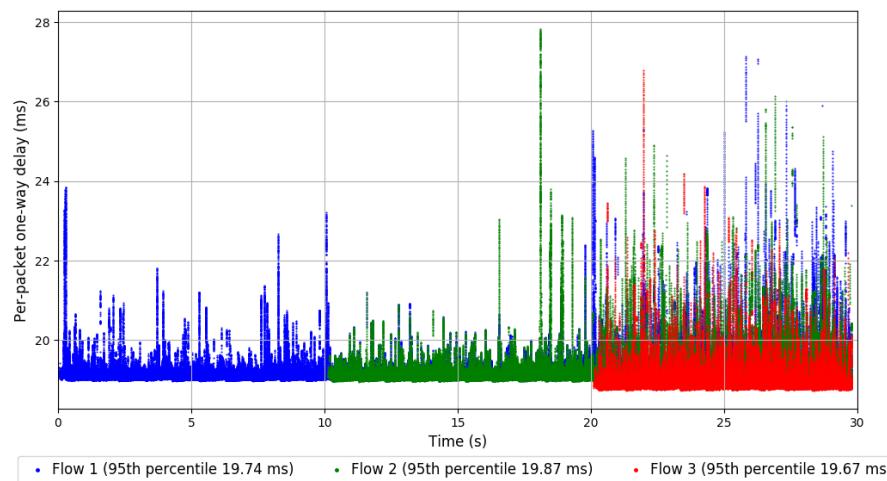
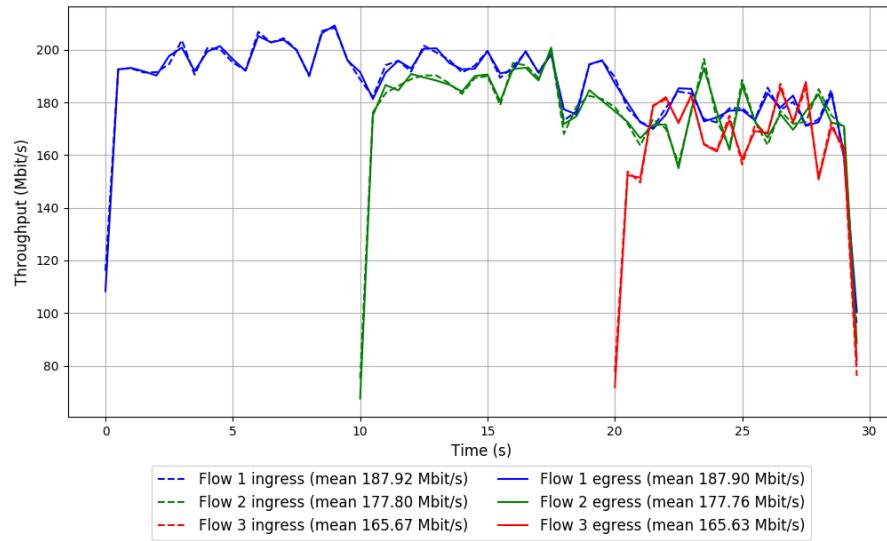


Run 9: Statistics of Indigo

```
Start at: 2017-12-20 11:31:57
End at: 2017-12-20 11:32:27
Local clock offset: -0.155 ms
Remote clock offset: -1.51 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.04 Mbit/s
95th percentile per-packet one-way delay: 19.775 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.90 Mbit/s
95th percentile per-packet one-way delay: 19.740 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 177.76 Mbit/s
95th percentile per-packet one-way delay: 19.870 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 165.63 Mbit/s
95th percentile per-packet one-way delay: 19.671 ms
Loss rate: 0.02%
```

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

```
Start at: 2017-12-20 11:54:05
End at: 2017-12-20 11:54:35
Local clock offset: -0.185 ms
Remote clock offset: -2.014 ms

# Below is generated by plot.py at 2017-12-20 16:00:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 359.92 Mbit/s
95th percentile per-packet one-way delay: 19.439 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.36 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.44 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 165.44 Mbit/s
95th percentile per-packet one-way delay: 19.749 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo — Data Link

