**Latest Experiment plan-**

File Size: **75Mb** (average of 50-100Mb)

# of Files: **50 / 100 / 200**

Routing Scheme: **Opportunistic**(no epidemic – we may need to consider epidemic later, but not for now)

Message Partition:  yes

Transmission Speed: **30 Mbps =** 3750kBps (with rain it’ll decrease to 30% so we simulate it using transmit probability)

Transmission Probability: **100% /  70% / 50%**(success rate for individual boat-to-boat packet transfer)

Transmission Range:  40 (maybe we also vary transmission range to 20/40/80, but we can leave that to a later set of simulations)

Number of fishing boats: 10/20/50 (with uniform distribution on where they start from)

Boats break down:  no / probability of (1/45)/ prob of 1/5 (all these probabilities are at each PBS)

Buffer Size:  **INFINITY**

Number of fountain codes partitions:  175 / 161 / 205 (the numbers are out of order; are you sure they are the correct ones?)

Time to generate 50 files in 20hrs {175,161,205} packets = 20\*60\*60/50 = 72000/50 = 1440

Time to generate 100 files in 20hrs {175,161,205} packets = 20\*60\*60/100 = 72000/100 = 720

Time to generate 200 files in 20hrs {175,161,205} packets = 20\*60\*60/200 = 72000/200 = 360

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| --- | --- | --- | --- | --- |
| With no loss |  |  |  |  |
| With only rain | Probability of rain 50% | Transmission speed decreases to 30% |  |  |
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