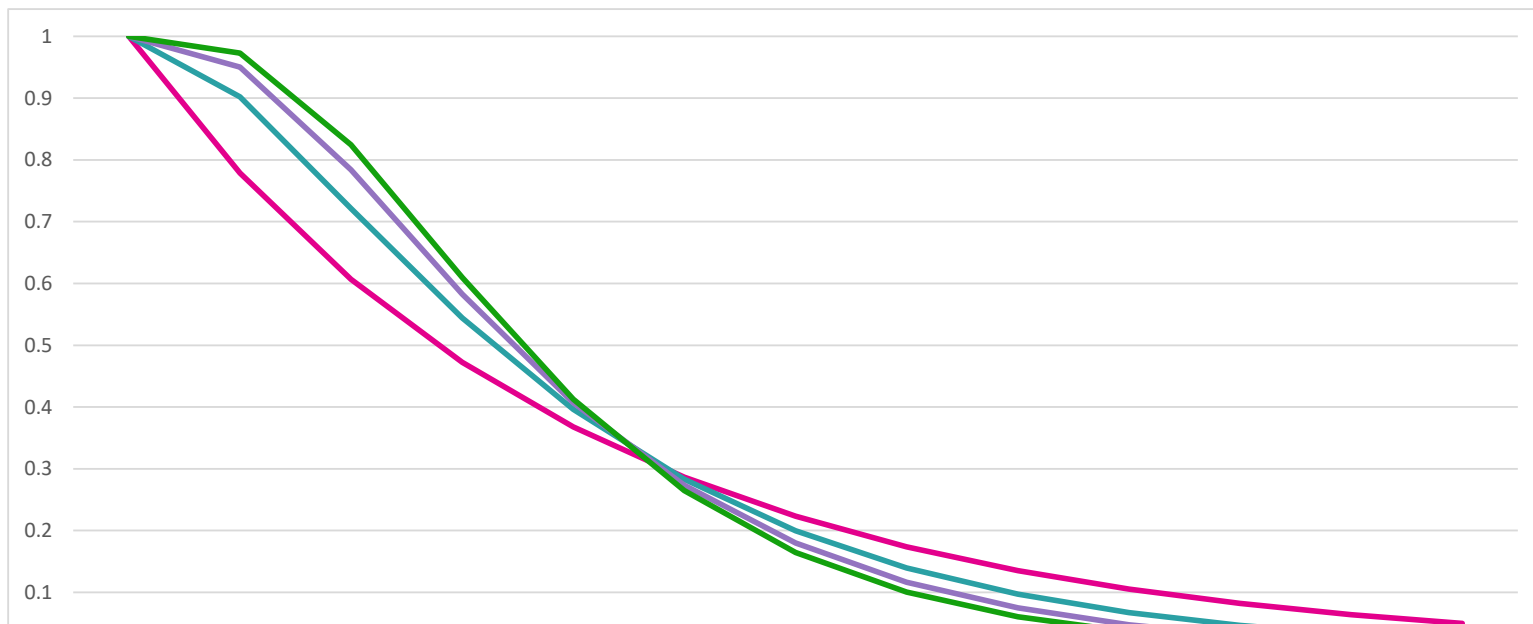
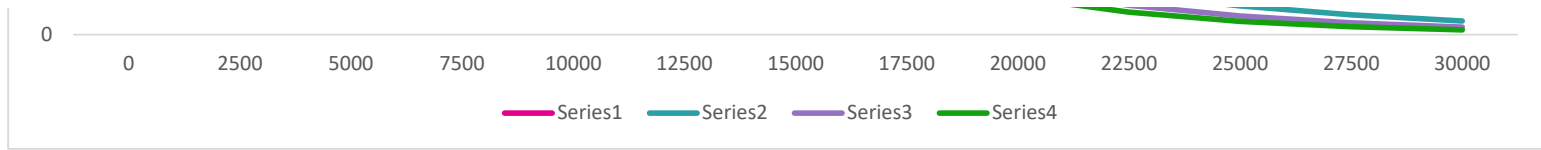


Lab 1 - Task 3

Time	Scenario 1: 1 op	Scenario 2: 1 op + 1 bak	Scenario 3: 1 op + 2 bak	Scenario 4: 1 op + 3 bak
0	1	1	1	1
2500	0.778800783	0.902212005	0.950300619	0.972835871
5000	0.60653066	0.721602945	0.783837586	0.824621378
7500	0.472366553	0.54390571	0.582898698	0.609732219
10000	0.367879441	0.396473252	0.40704141	0.412516211
12500	0.286504797	0.283192188	0.273664462	0.264622942
15000	0.22313016	0.199689453	0.179784528	0.164500556
17500	0.173773943	0.139631996	0.116435565	0.100382105
20000	0.135335283	0.097095385	0.074741125	0.060588046
22500	0.105399225	0.067265357	0.047710931	0.036332934
25000	0.082084999	0.046482407	0.030349986	0.021704213
27500	0.063927861	0.032065731	0.019263863	0.012935908
30000	0.049787068	0.022094583	0.012210277	0.007699485





Conclusion

Adding backups always increases reliability
Each extra backup helps less than the previous one
Parallel redundancy is great for long missions
But it has diminishing returns