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**Using iid\_main.py and noniid\_main.py for FIPS 140-2 IG 7.XX**

1. Collect samples from entropy source. If possible, samples should be consecutive with none skipped or dropped. If you cannot collect consecutive samples, document what was collected and why. Samples must be stored in a binary file. If source outputs 1 – 8 bit samples, each sample must be in its own byte, if 9 – 16 bits per sample, use two consecutive bytes, higher-order byte first, etc.
2. If feasible, collect a minimum of 1,000,000 samples. If not, collect as many as feasible and document the reason why you could not collect 1,000,000 within a reasonable time.
3. You may run either the IID or the Non-IID tests. Use verbose mode (-v flag) and re-direct the output to a file, e.g.,

C:\est>python noniid\_main.py source\_out.bin 8 –v > results.txt

1. Submit this file as evidence.