

Text

Description automatically generated

1. Read the monthly parameters from the data file
2. Read the random number (rv) from the file as well
3. To generate the SST for January in year 2022, the SST for December in year 2021 must be known.
4. The equation for each month is as shown below:
5. Repeat same for ITCZ5 and ITCZ10

SSTJan, 2022 = meanJan  + bDec (SSTDec,2021 – meanDec) + rvJan, 2022 \* sJan((1 - rDec2)^0.5)

SSTFeb, 2022 = meanFeb  + bJan (SSTJan,2022 – meanJan) + rvFeb, 2022 \* sFeb((1 - rJan2)^0.5)

SSTAug, 2022 = meanAug  + bJul (SSTJul,2022 – meanJul) + rvAug, 2022 \* sAug((1 - rJul2)^0.5)