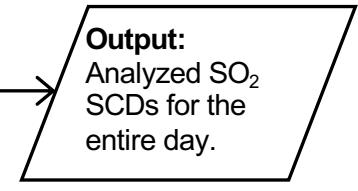
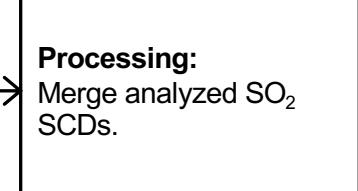
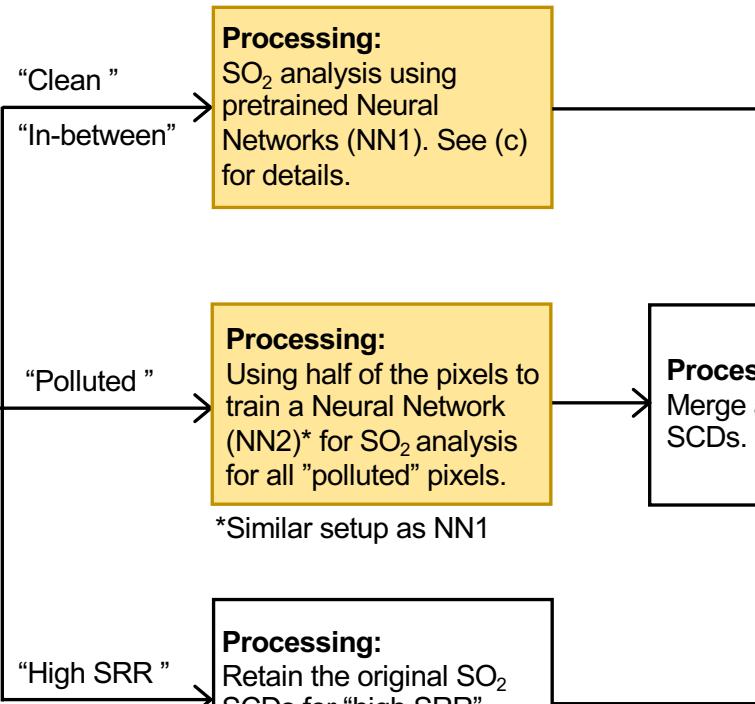
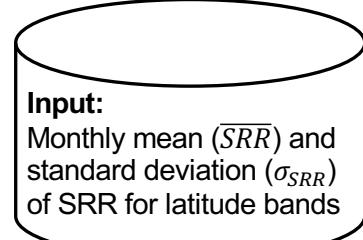
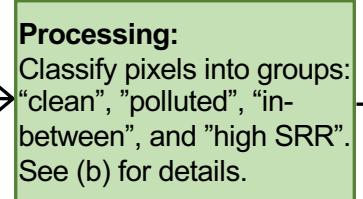
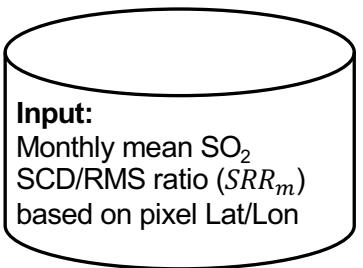
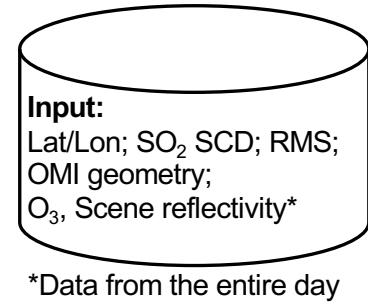
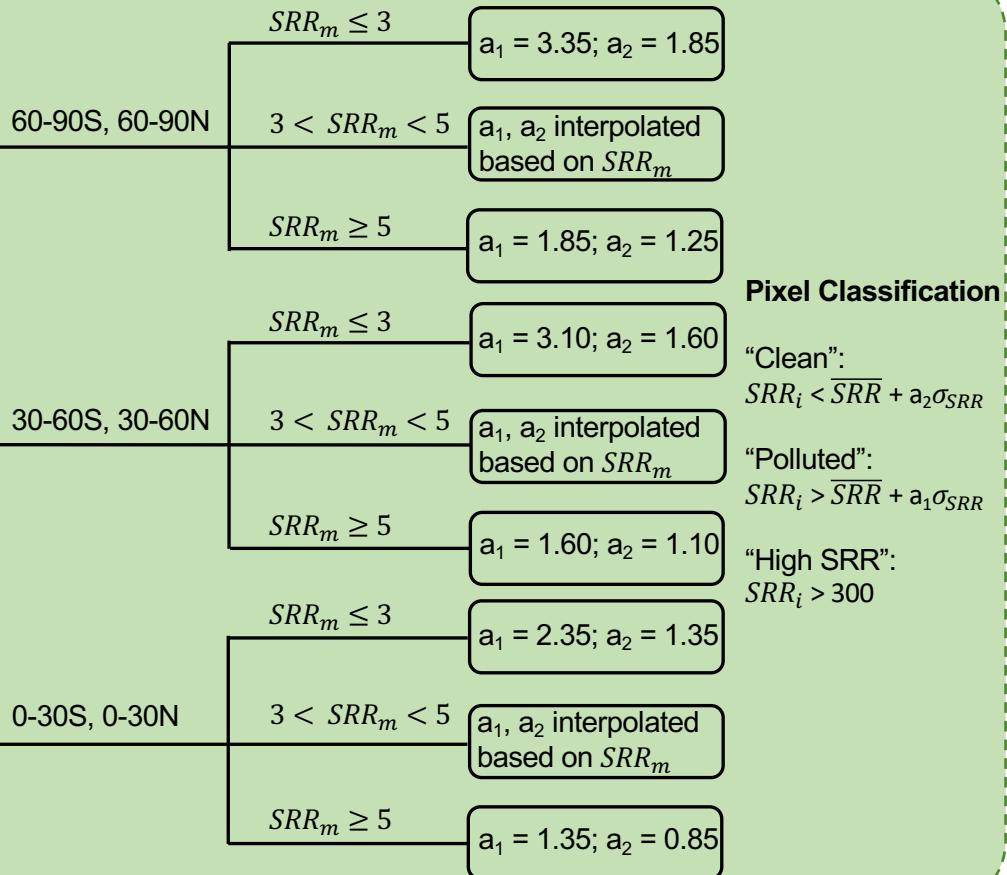


(a)**(b)****(c)**

Training Target :
 $SCD_{target} = 0$ for "clean" pixels;
 $SCD_{target} = \text{original SCDs}$ for "polluted" pixels.

Input* :
Pixel-specific SRR_i ; SRR_m ; OMI geometry; O₃; Scene reflectivity.

**"Clean" and "polluted" pixels from given days.

Neural Network:
2 hidden layers, each with 14 nodes; 1 output layer with 1 node.

Output:
Trained SCDs for all "clean", "polluted" and "in-between" pixels.

Note: for NN1 training, half of the "clean" and "polluted" pixels from 5 days in each month are used. For NN2, half of the "polluted" pixels from each day are used in training.