ML2H2 Pseudocode

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Algorithm 1 Photonics Window Test

```
procedure WINDOW TESTS CHECK
    Load collected test data from TESTCONDITIONS.TXT;
    Initialize counter variables;
    Initialize ID tracker array;
    Initialize flag variable for total failure collection to false;
    for each value (i) in the height of the data matrix
        do
        if The i-th value of temperature is less than 8 or more than 12 then
            Increase the temperature counter by 1;
            Add the i-th ID value to the temperature ID tracker array in counter position;
            Set flag variable to true
        if The i-th value of pressure is less than 1000 or more than 1200 then
            Increase the pressure counter by 1;
            Add the i-th ID value to the pressure ID tracker array;
            Set flag variable to true
        if The i-th value of discharge time is less than 1 or more than 2.25 then
            Increase the discharge time counter by 1;
            Add the i-th ID value to the discharge time ID tracker array;
            Set flag variable to true
        if The flag variable is true then
            Increase the total failure count by one
    for Each data output requested
        do FPRINTF to print data;
```