SDLog - Summarization logic flow.

For DOW:

Create 7 bins, per number of days in the week.   
Create 7 counters, one counter per bin

For each record that is within the range add actual reading to the bin indexed by the day of the week.   
Increment counter for that particular bin.

Then for each bin divide bin value by the counter for that bin. This will produce per-bin average.

For Month:

Create 12 bins, per number of month in the year.  
Create 12 counters, one counter per bin

For each record that is within the range add actual reading to the bin indexed by the month.   
Increment counter for that particular bin.

Then for each bin divide bin value by the counter for that bin. This will produce per-bin average.

For Hour:

Create 24 bins, per number of hours in the day.   
Create 24 counters, one counter per bin

For each record that is within the range add actual reading to the bin indexed by the hour of the day.   
Increment counter for that particular bin.

Then for each bin divide bin value by the counter for that bin. This will produce per-bin average.

For NONE:

Create 7 bins, per number of days in the week.   
Create 7 counters, one counter per bin

For each record that is within the range add actual reading to the bin indexed by the day of the week.   
Increment counter for that particular bin.

Then for each bin divide bin value by the counter for that bin. This will produce per-bin average.