Using Box Plots

What to Box Plots Tell Us

- · Often called "Box and Whiskers" plots
- · Visual way to present repeating data
 - Press sheets
 - Proofs
- Shift-to-shift production
- Allows analysis of similar data sets
- Graphic visual summary of the data
- Tells us about the characteristics of the data without displaying individual values

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What Box Plots Do To Data

- · Graphs the data's central tendency
- Identifies and displays the middle 50% of the data set
- Displays the median of the data instead of the mean or average
 - Reduces the tendency of outlier data points to skew the data
- · Requires that data be placed in rank order

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Box Plot Definitions

- The box encloses the middle 50% of the data
- The line in the box is the median (midpoint) of the data
- Inter-quartile ranges describe 25% of the data above and 25% below the median
- The bottom edge of the box is the 25th percentile of the data and the top edge of the box is the 75th percentile of the data

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ColorThink Demo

Imagine that the CIELab Model covers the ColorThink 3-D Plot Screen that you will see During the demo that Follows. In the demo, I Will show you what part Of the visible model is Plotted in a particular Dimension of the color Space that a set of inks covers









