



# SPOT 5.4 Software Addendum

## The “Noise Filter” replaced by the “Bright Pixel Filter”

ALL CAMERAS

### SPOT ADVANCED ONLY (not SPOT Basic)

**SPOT 5.2 and previous:** The user would eliminate “hot” pixels from long exposure images by using the “Noise Filter”. Pixels that were brighter than their immediate neighbors by a specified percentage were replaced by the average of their immediate neighbors. Using a percentage to specify the difference had the unfortunate effect of making the filter more sensitive in dark areas and less sensitive in bright areas.

**SPOT 5.3 and beyond:** The “Bright Pixel Filter” looks for pixels that are brighter than their immediate neighbors by a specified number of ADUs (all pixel values are in ADUs). By using a simple difference, rather than a percentage, the “Bright Pixel Filter” filter has equal sensitivity in both bright and dark areas.

