

CROSSOVER WORKSHEET

Site
 Film Type

Date
 Technologist

| New Emulsion # | | | | | Old Emulsion # | | | | |
|--|----------------------------|----------------------------|-----------------------------|-----|--|----------------------------|----------------------------|-----------------------------|-----|
| Film # | Low Density (LD) Step # | Mid Density (MD) Step # | High Density (HD) Step # | B+F | Film # | Low Density (LD) Step # | Mid Density (MD) Step # | High Density (HD) Step # | B+F |
| 1 | | | | | 1 | | | | |
| 2 | | | | | 2 | | | | |
| 3 | | | | | 3 | | | | |
| 4 | | | | | 4 | | | | |
| 5 | | | | | 5 | | | | |
| Average | | | | | Average | | | | |
| Average Density Difference: DD = HD - LD = | | | | | Average Density Difference: DD = HD - LD = | | | | |

| | |
|--|--|
| MD difference between new and old film (New MD - Old MD) | |
| DD difference between new and old film (New DD - Old DD) | |
| B+F difference between new and old film (New - Old) | |

| | MD | DD | B+F |
|-------------------------------------|----|----|-----|
| Old operating levels | | | |
| Difference between new and old film | | | |
| New operating levels | | | |

CROSSOVER WORKSHEET EXAMPLE

| New Emulsion # 24578 | | | | | Old Emulsion # 23456 | | | | |
|---|-------------------------------|-------------------------------|--------------------------------|------|---|-------------------------------|-------------------------------|--------------------------------|------|
| Film # | Low Density (LD) Step # 10 | Mid Density (MD) Step # 11 | High Density (HD) Step # 13 | B+F | Film # | Low Density (LD) Step # 10 | Mid Density (MD) Step # 11 | High Density (HD) Step # 13 | B+F |
| 1 | 0.49 | 1.25 | 2.39 | 0.18 | 1 | 0.46 | 1.27 | 2.33 | 0.17 |
| 2 | 0.50 | 1.23 | 2.43 | 0.18 | 2 | 0.48 | 1.30 | 2.30 | 0.17 |
| 3 | 0.49 | 1.26 | 2.40 | 0.17 | 3 | 0.46 | 1.27 | 2.28 | 0.18 |
| 4 | 0.53 | 1.28 | 2.41 | 0.18 | 4 | 0.48 | 1.28 | 2.32 | 0.17 |
| 5 | 0.49 | 1.28 | 2.43 | 0.18 | 5 | 0.47 | 1.31 | 2.35 | 0.18 |
| Average | 0.50 | 1.26 | 2.41 | 0.18 | Average | 0.47 | 1.29 | 2.31 | 0.17 |
| Average Density Difference: DD = HD - LD = 1.91 | | | | | Average Density Difference: DD = HD - LD = 1.84 | | | | |

| | |
|--|-------|
| MD difference between new and old film (New MD - Old MD) | -0.03 |
| DD difference between new and old film (New DD - Old DD) | +0.07 |
| B+F difference between new and old film (New - Old) | +0.01 |

| | MD | DD | B+F |
|-------------------------------------|-------|-------|-------|
| Old operating levels | 1.34 | 1.90 | 0.17 |
| Difference between new and old film | -0.03 | +0.07 | +0.01 |
| New operating levels | 1.31 | 1.97 | 0.18 |