

## 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