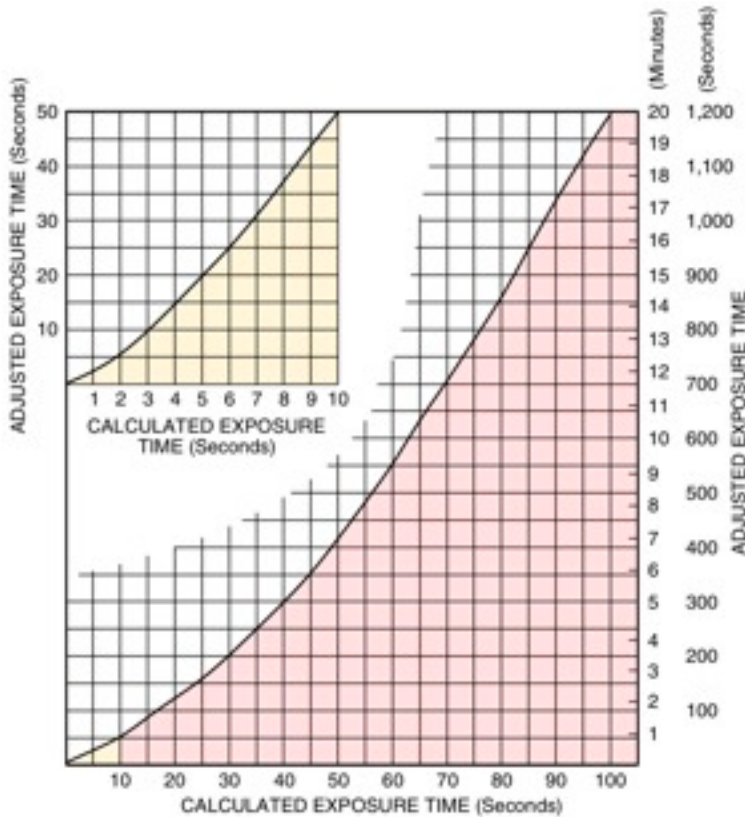


Long Exposure and Development Adjustments (Kodak Tri-X 400)

1. **Adjusted Exposure:** Find out with a light meter and through calculation what your correct exposure would be if not for reciprocity failure. Then use the graph and table below to find your adjusted exposure time or aperture.



Calculated Exposure Time (Sec.)	Adjusted Exposure Time (Sec.)
1	2
2	5
3	10
4	15
8	37
10	50
15	95
20	130
30	210
40	300 (5 min)
60 (1 min)	550 (9 min)
90 (1.5 min)	1050 (17.5 min)
120 (2 min)	1400 (23 min)
180 (3 min)	1800 (30 min)
240 (4 min)	2400 (40 min)
360 (6 min)	3600 (1 hour)
600 (10 min)	7200 (2 hours)
900 (15 min)	12000 (3½ hour)
1200 (20 min)	14400 (4 hour)
1800 (30 min)	22800 (6½ hours)
3600 (1 hour)	45000 (12½ hours)

2. **Adjusted Development:** Depending on your exposure time, you should adjust your development time as shown below. You have the option to calculate the decrease (-10%, -20%, -30%) for better accuracy or use the rough guide to “pull-develop” for the equivalent ISO speed.

If Indicated Exposure Times (Seconds)	Use This Lens-Aperture Adjustment	OR	This Adjusted Exposure Time (Seconds)	AND Use This Development Adjustment	OR	This rough push/pull guide
1/100	None		None	None	or	ISO 400
1/10	None		None	None	or	ISO 400
1	+1 stop	or	2	-10%	or	ISO 200
10	+2 stops	or	50	-20%	or	ISO 200
100	+3 stops	or	1200	-30%	or	ISO 100