Case II: Gamma Distribution

ARL Table for shifts in scale parameter in G(0.5,1.0)

		$n = 5$				$n = 10$				$n = 20$			
		$\bar{X}$ chart		$\tilde{X}$ chart		$\bar{X}$ chart		$\tilde{X}$ chart		$\bar{X}$ chart		$\tilde{X}$ chart	
β	μ_X	ARL	SDRL	ARL.1	SDRL.1	ARL.2	SDRL.2	ARL.3	SDRL.3	ARL.4	SDRL.4	ARL.5	SDRL.5
1.00	**0.5**	99.22	99.32	99.84	100.67	98.62	99.11	99.05	99.58	99.99	100.37	99.82	100.74
1.25	**0.6**	42.60	42.84	52.32	52.66	31.98	32.34	37.82	38.61	21.88	22.53	24.91	25.32
1.50	**0.8**	18.93	19.52	26.42	27.04	11.42	11.98	14.65	15.18	6.00	6.51	7.34	7.79
1.75	**0.9**	10.28	10.74	15.29	15.75	5.40	5.85	7.18	7.65	2.41	2.88	3.07	3.54
2.00	**1.0**	6.26	6.74	9.83	10.33	3.04	3.51	4.15	4.66	1.20	1.62	1.57	2.00
2.50	**1.1**	3.09	3.52	5.12	5.58	1.31	1.74	1.86	2.31	0.40	0.74	0.57	0.95