Case II: Log-logistic Distribution

ARL Table for shape parameter increase from the in-control value in LL(1.15,0.6)

| | | $n = 5$ | | | | $n = 10$ | | | | $n = 20$ | | | |
| | | $\bar{X}$ chart | | $\tilde{X}$ chart | | $\bar{X}$ chart | | $\tilde{X}$ chart | | $\bar{X}$ chart | | $\tilde{X}$ chart | |
α	μ_X	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+	ARL	ARL^+
1.15	**4.11**	95.70	195.27	100.01	201.17	97.26	195.62	99.43	204.35	96.83	193.93	98.76	200.84
1.20	**3.14**	122.39	266.22	138.63	236.80	118.24	278.15	145.56	218.23	108.77	279.99	131.11	171.55
1.25	**2.57**	154.18	360.76	185.92	270.05	140.72	386.61	184.06	229.91	115.54	407.43	134.67	145.51
1.30	**2.19**	190.26	493.83	242.50	325.14	167.39	544.29	213.31	240.39	120.15	585.97	122.75	127.45