Additional Tables

Table 1: ARL, SDRL and percentile run lengths using different distributions for the EHWMA scheme.

| ϕ_1 | ϕ_{2} | \mathbf{L}_{EH} | Distribution | ARL | SDRL | P5 | P25 | P50 | P75 | P95 |
|----------|------------|-------------------|--------------|-------|-------|------|------|-------|-------|------------|
| | | | N(0,1) | 199.5 | 154.8 | 13.0 | 81.0 | 167.0 | 281.0 | 496.0 |
| | | | t(10) | 154.8 | 117.1 | 11.0 | 66.8 | 132.5 | 217.0 | 378.0 |
| | | | t(100) | 198.3 | 156.2 | 13.0 | 81.0 | 165.0 | 279.0 | 498.1 |
| | 0.05 | 2.453 | t(1000) | 201.9 | 160.4 | 14.0 | 81.0 | 165.0 | 284.0 | 507.1 |
| | 0.00 | 4.400 | GAM(1,1) | 124.5 | 95.7 | 5.0 | 55.0 | 104.0 | 172.0 | 309.1 |
| | | | GAM(10,1) | 183.2 | 146.0 | 11.0 | 75.0 | 150.0 | 256.0 | 464.0 |
| | | | LogNorm(0,1) | 116.4 | 91.3 | 6.0 | 50.0 | 94.0 | 161.0 | 298.0 |
| 0.1 | | | X2(30) | 185.3 | 147.4 | 12.0 | 77.0 | 153.0 | 260.0 | 463.1 |
| 0.1 | | | N(0,1) | 198.8 | 162.3 | 16.0 | 77.0 | 157.0 | 280.0 | 521.1 |
| | | | t(10) | 161.8 | 124.8 | 12.0 | 69.0 | 131.0 | 226.0 | 403.0 |
| | | | t(100) | 196.1 | 159.6 | 14.0 | 79.0 | 159.0 | 269.0 | 505.0 |
| | 0.09 | 2.599 | t(1000) | 201.4 | 159.4 | 15.0 | 81.0 | 166.0 | 285.0 | 505.0 |
| | 0.00 | 2.000 | GAM(1,1) | 112.9 | 83.8 | 7.0 | 54.0 | 96.0 | 154.3 | 279.0 |
| | | | GAM(10,1) | 173.3 | 139.5 | 13.0 | 71.0 | 141.0 | 241.0 | 440.0 |
| | | | LogNorm(0,1) | 106.4 | 80.3 | 6.0 | 49.0 | 89.0 | 147.0 | 261.0 |
| | | | X2(30) | 179.1 | 140.2 | 15.0 | 74.0 | 147.0 | 252.0 | 446.1 |
| | | | N(0,1) | 201.6 | 197.8 | 12.0 | 59.8 | 140.0 | 283.0 | 592.0 |
| | | | t(10) | 101.7 | 100.2 | 7.0 | 31.0 | 71.0 | 139.0 | 299.0 |
| | | | t(100) | 185.0 | 183.6 | 11.0 | 56.0 | 128.0 | 252.0 | 545.1 |
| | 0.05 | 2.809 | t(1000) | 204.4 | 201.5 | 12.0 | 61.0 | 143.0 | 284.3 | 612.1 |
| | 0.00 | 2.000 | GAM(1,1) | 53.3 | 50.3 | 4.0 | 18.0 | 38.0 | 74.0 | 152.0 |
| | | | GAM(10,1) | 121.0 | 117.9 | 8.0 | 37.0 | 85.0 | 167.0 | 358.0 |
| | | | LogNorm(0,1) | 54.5 | 53.2 | 4.0 | 17.0 | 38.0 | 75.0 | 161.0 |
| 0.5 | | | X2(30) | 135.5 | 129.5 | 8.0 | 42.0 | 97.0 | 187.0 | 394.1 |
| 0.0 | | | N(0,1) | 213.8 | 208.9 | 11.0 | 62.0 | 151.0 | 300.0 | 630.2 |
| | | | t(10) | 119.9 | 116.2 | 8.0 | 36.0 | 84.0 | 167.0 | 350.1 |
| | | | t(100) | 193.1 | 191.3 | 11.0 | 57.0 | 135.0 | 267.0 | 582.0 |
| | 0.25 | 2.804 | t(1000) | 207.4 | 207.5 | 12.0 | 61.0 | 144.0 | 287.0 | 617.1 |
| | 0.20 | 2.001 | GAM(1,1) | 62.9 | 61.6 | 4.0 | 19.0 | 44.0 | 87.0 | 187.0 |
| | | | GAM(10,1) | 142.8 | 143.7 | 8.0 | 42.0 | 98.0 | 196.0 | 423.1 |
| | | | LogNorm(0,1) | 62.7 | 60.4 | 4.0 | 19.0 | 44.0 | 86.3 | 186.0 |
| | | | X2(30) | 156.4 | 154.9 | 8.0 | 47.0 | 111.0 | 214.0 | 466.0 |

Table 2: ARL, SDRL and percentile run lengths using different distributions for MEHWMA scheme.

| ϕ_1 | ϕ_2 | Distribution ARL | N(0,12) 20 | t(10) 14 | t(100) 19 | t(1000) | $\mathbf{p} = \mathbf{z}$ GAM(1,1) 10 | | $LogNorm(0,1) \mid 82$ | | \mathbf{h}_{MEH} | | | t(100) 19 | t(1000) 20 | GAM $(1,1)$ 83 | $\operatorname{GAM}(10,1) = 15$ | _ | X2(30) 166 | \mathbf{h}_{MEH} | N(0,12) 19 | t(10) 13 | t(100) 19 | _ | GAM(1,1) 72 | GAM(10,1) 151 | (0,1) | X2(30) 16 | \mathbf{h}_{MEH} |
|----------|----------|--------------------|------------|------------|-------------|---------|---|-----|------------------------|-------|--------------------|-----|-----|-------------|--------------|----------------|---------------------------------|-----|--------------|--------------------|------------|------------|-------------|-----|---------------|-----------------|----------|-------------|--------------------|
| | | | | | | | | | | 8 142 | | | | | | | | | 6 131 | | | | | | | | | 2 127 | |
| | | | 15 | 7 | 12 | 15 | က | 6 | က | 11 | | 13 | 9 | 15 | 14 | П | 10 | П | 10 | | 13 | 7 | 13 | 12 | П | ∞ | \vdash | 9 | |
| | 0.05 | P25 | 81 | 63 | 22 | 28 | 47 | 20 | 36 | 72 | 9.14 | 81 | 59 | 28 | 92 | 38 | 29 | 27 | 89 | 13.29 | 62 | 99 | 71 | 81 | 33 | 64 | 18 | 29 | 23.3 |
| | | P50 | 166 | 121 | 160 | 164 | 88 | 139 | 69 | 146 | | 165 | 115 | 160 | 160 | 72 | 130 | 54 | 138 | | 155 | 113 | 152 | 158 | 99 | 128 | 41 | 136 | |
| | | P75 | 289 | 200 | 275 | 285 | 140 | 238 | 114 | 251 | | 293 | 193 | 281 | 283 | 116 | 218 | 06 | 230 | | 279 | 187 | 269 | 285 | 101 | 213 | 99 | 230 | |
| 0.1 | | | 1 | | | | | | | 453 | | 518 | 336 | 508 | 521 | 198 | 399 | 154 | 420 | | 515 | 325 | 492 | 556 | 167 | 368 | 113 | 404 | |
| 1 | | ARL | 199 | 149 | 195 | 202 | 86 | 166 | 83 | 177 | | 202 | 146 | 194 | 200 | 98 | 163 | 99 | 174 | | 202 | 139 | 200 | 208 | 28 | 163 | 20 | 168 | |
| | | sdr | 165 | 114 | 158 | 167 | 71 | 131 | 62 | 144 | | 169 | 115 | 160 | 166 | 62 | 126 | 20 | 139 | | 176 | 106 | 167 | 176 | 59 | 131 | 38 | 132 | |
| | | | | | | | | | | 13 | | | | | | က | | | | | | | | | | 6 | | | |
| | 0.09 | P25 | 92 | 64 | 28 | 79 | 47 | 69 | 38 | 71 | 9.44 | 22 | 61 | 92 | 92 | 40 | 29 | 30 | 71 | 3.62 | 22 | 61 | 72 | 82 | 34 | 99 | 20 | 89 | 23.8 |
| | | P50 | 160 | 124 | 157 | 160 | 98 | 138 | 20 | 142 | | 156 | 121 | 156 | 160 | 75 | 136 | 59 | 143 | | 155 | 121 | 159 | 161 | 69 | 132 | 45 | 137 | |
| | | P75 | 278 | 207 | 275 | 282 | 132 | 232 | 114 | 246 | | 283 | 202 | 270 | 279 | 119 | 226 | 93 | 242 | | 286 | 192 | 283 | 285 | 113 | 232 | 72 | 238 | |
| | | P95 | 524 | 365 | 499 | 528 | 235 | 415 | 205 | 451 | | 538 | 369 | 511 | 519 | 200 | 411 | 159 | 438 | | 533 | 349 | 529 | 555 | 190 | 417 | 124 | 424 | |

Table 3: ARL, SDRL and percentile run lengths using different distributions for MEHWMA scheme (continued).

| | | P95 | 299 | 271 | 515 | 561 | 127 | 331 | 117 | 376 | | 557 | 242 | 202 | 549 | 26 | 287 | 32 | 339 | | 591 | 221 | 192 | 553 | 82 | 526 | 20 | 329 | |
|----------|----------|-------|---------|-------|--------|---------|---------------------------|-----------|---------------|--------|--------------------|---------|-------|--------|---------|----------|-----------|--------------|--------|--------------------|---------|-------|--------|---------|----------|-----------|--------------|--------|--------------------|
| | | | | | | | | | | 180 | | | | | | | | | 158 | | | | | | | | | 146 | |
| | | | | | | | | | | 91 | | | | | | | | | 62 | | | | | | | 63 | | | |
| | .25 | | | | | | | | | | | 51 | 24 | 49 | 53 | 10 | 28 | 6 | 33 | 4.6 | 57 | 23 | 52 | 59 | 6 | 26 | 9 | 30 | 4.97 |
| | 0 | | | | | | | | က | | 1 | | | 10 | | | | | | 1 | | | | | | 9 | | | 2 |
| | | sdr | 187 | 91 | 174 | 181 | 42 | 113 | 38 | 125 | | 187 | 79 | 170 | 183 | 32 | 96 | 28 | 114 | | 191 | 73 | 162 | 189 | 24 | 28 | 17 | 105 | |
| ಬ | | ARL | 187 | 94 | 175 | 188 | 44 | 113 | 40 | 129 | | 184 | 82 | 170 | 182 | 33 | 26 | 28 | 114 | | 195 | 22 | 165 | 191 | 26 | 68 | 18 | 105 | |
| 0.5 | | P95 | 558 | 230 | 475 | 539 | 102 | 253 | 100 | 300 | | 546 | 193 | 472 | 536 | 75 | 224 | 29 | 264 | | 538 | 163 | 474 | 520 | 56 | 203 | 42 | 250 | |
| | | P75 | 252 | 109 | 224 | 243 | 49 | 123 | 48 | 139 | | 250 | 06 | 217 | 250 | 37 | 103 | 32 | 124 | | 253 | 62 | 232 | 252 | 27 | 95 | 22 | 116 | |
| | | P50 | 123 | 55 | 114 | 125 | 26 | 62 | 25 | 72 | | 126 | 47 | 109 | 123 | 20 | 55 | 17 | 63 | | 130 | 41 | 117 | 123 | 15 | 50 | 12 | 09 | |
| | 0.05 | P25 | 52 | 24 | 48 | 53 | 12 | 28 | 11 | 31 | 0.37 | 54 | 20 | 48 | 53 | 10 | 25 | ∞ | 28 | 14.6 | 26 | 19 | 50 | 55 | 7 | 20 | 9 | 28 | 4.95 |
| | | | | | | | | | | 7 | | | | | | | | | ಬ | | _ | | | | | ಬ | | 2 | 2 |
| | | SDRL | 185 | 92 | 161 | 177 | 33 | 85 | 33 | 101 | | 183 | 64 | 156 | 177 | 24 | 73 | 22 | 88 | | 176 | 52 | 158 | 179 | 19 | 65 | 14 | 81 | |
| | | ARL | 183 | 78 | 163 | 179 | 36 | 88 | 35 | 102 | | 183 | 99 | 158 | 179 | 27 | 92 | 23 | 06 | | 183 | 99 | 164 | 180 | 20 | 69 | 16 | 85 | |
| ϕ_1 | ϕ_2 | ıtion | N(0,I2) | t(10) | t(100) | t(1000) | GAM(1,1) | GAM(10,1) | $\overline{}$ | X2(30) | \mathbf{h}_{MEH} | N(0,I2) | t(10) | t(100) | t(1000) | GAM(1,1) | GAM(10,1) | LogNorm(0,1) | X2(30) | \mathbf{h}_{MEH} | N(0,I2) | t(10) | t(100) | t(1000) | GAM(1,1) | GAM(10,1) | LogNorm(0,1) | X2(30) | \mathbf{h}_{MEH} |
| | | | | | | C | $\mathbf{b} = \mathbf{z}$ | | | | | | | | 7 | p=4 | | | | | | | | 10 | b=10 | | | | |

| | ϕ_1 | | 0.1 | | | 0.25 | | | 0.5 | | | 0.0 | |
|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ϕ_2 | 0.01 | 0.05 | 0.09 | 0.05 | 0.1 | 0.2 | 0.05 | 0.1 | 0.25 | 0.05 | 0.1 | 0.25 |
| | ı | 2.516 | 2.540 | 2.600 | 2.772 | 2.763 | 2.762 | 2.804 | 2.803 | 2.794 | 2.804 | 2.809 | 2.801 |
| | 00.00 | 155.9 | 158.5 | 163.9 | 184.2 | 188.2 | 191.1 | 198.1 | 198.7 | 197.6 | 200.2 | 196.9 | 200.4 |
| | 0.25 | 42.2 | 44.0 | 46.2 | 59.7 | 61.7 | 74.1 | 100.6 | 102.1 | 110.7 | 146.6 | 146.5 | 153.4 |
| | 0.50 | 14.8 | 15.3 | 16.0 | 18.9 | 20.1 | 23.7 | 36.2 | 38.1 | 45.2 | 80.2 | 79.5 | 83.7 |
| | 0.75 | 7.3 | 7.7 | 8.0 | 8.6 | 9.3 | 11.0 | 16.0 | 16.2 | 19.7 | 40.7 | 41.9 | 44.3 |
| | 1.00 | 4.5 | 4.6 | 4.8 | 5.0 | 5.2 | 0.9 | 8.0 | 8.3 | 10.1 | 22.7 | 22.3 | 24.8 |
| | 1.25 | 3.0 | 3.1 | 3.2 | 3.2 | 3.3 | 3.8 | 4.6 | 4.9 | 5.6 | 12.8 | 13.0 | 13.9 |
| $_{ m Shifts}$ | 1.50 | 2.1 | 2.2 | 2.3 | 2.3 | 2.3 | 2.6 | 3.0 | 3.1 | 3.7 | 6.7 | 7.9 | 8.4 |
| | 1.75 | 1.7 | 1.7 | 1.8 | 1.7 | 1.8 | 1.9 | 2.1 | 2.2 | 2.4 | 5.0 | 5.0 | 5.4 |
| | 2.00 | 1.4 | 1.4 | 1.5 | 1.4 | 1.4 | 1.5 | 1.5 | 1.6 | 1.7 | 3.3 | 3.4 | 3.6 |
| | 2.25 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.3 | 2.3 | 2.3 | 2.5 |
| | 2.50 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 1.1 | 6.0 | 1.0 | 1.0 | 1.6 | 1.6 | 1.8 |
| | 2.75 | 1.0 | 1.0 | 1.0 | 6.0 | 6.0 | 0.0 | 8.0 | 8.0 | 8.0 | 1.2 | 1.3 | 1.3 |
| | 3.00 | 6.0 | 6.0 | 6.0 | 8.0 | 8.0 | 8.0 | 0.7 | 0.7 | 0.7 | 6.0 | 1.0 | 1.0 |
| - | ESDRL0,1 | 17.20 | 17.89 | 18.73 | 23.04 | 24.07 | 28.67 | 40.20 | 41.17 | 46.43 | 72.54 | 72.56 | 76.55 |
| | ESDRL1,2 | 2.06 | 2.12 | 2.21 | 2.13 | 2.20 | 2.46 | 2.81 | 2.93 | 3.38 | 7.23 | 7.30 | 7.84 |
| | ESDRL2,3 | 1.05 | 1.06 | 1.09 | 0.96 | 96.0 | 1.00 | 0.89 | 0.90 | 0.94 | 1.52 | 1.54 | 1.63 |
| | ${f ESDRL0,2}$ | 9.63 | 10.00 | 10.47 | 12.58 | 13.13 | 15.57 | 21.51 | 22.05 | 24.90 | 39.88 | 39.93 | 42.19 |
| | ESDRL1,3 | 1.56 | 1.59 | 1.65 | 1.54 | 1.58 | 1.73 | 1.85 | 1.92 | 2.16 | 4.37 | 4.42 | 4.74 |
| | ${f ESDRL0,3}$ | 6.77 | 7.02 | 7.34 | 8.71 | 80.6 | 10.71 | 14.63 | 15.00 | 16.92 | 27.09 | 27.13 | 28.67 |
| | | | | | | | | | | | | | |

Table 4: SDRL and expected SDRL results for the EHWMA scheme

| | ϕ_1 | | 0.1 | | | 0.25 | | | 0.5 | | | 6.0 | |
|----------------|----------|-------|------|------|-------|-------|----------|-------|-------|-------|----|-------|-------|
| | ϕ_2 | 0.01 | 0.05 | 0.09 | 0.05 | 0.1 | 0.2 | | | 0.25 | | 0.1 | 0.25 |
| | Г | 2.516 | 2.54 | 2.6 | 2.772 | 2.763 | 2.762 | 2.804 | 2.803 | 2.794 | | 2.809 | 2.801 |
| | 0.00 | 170 | 166 | 161 | 149 | 145 | 144 | | 1 | 140 | | 142 | 138 |
| | 0.25 | 46 | 48 | 51 | 54 | 55 | 61 | | | 80 | | 103 | 106 |
| | 0.50 | 18 | 19 | 20 | 21 | 21 | 23 | | | 34 | | 58 | 57 |
| | 0.75 | 10 | 10 | 11 | 11 | 11 | 12 | | | 16 | | 30 | 31 |
| | 1.00 | 9 | 7 | 7 | 7 | 7 | ∞ | | | 6 | | 16 | 18 |
| | 1.25 | 5 | 5 | ಬ | 5 | 2 | 5 | | | 9 | 10 | 10 | 10 |
| $_{ m Shifts}$ | 1.50 | 4 | 4 | 4 | 4 | 4 | 4 | | | 4 | | 9 | 9 |
| | 1.75 | 3 | ဘ | 3 | 3 | 3 | 3 | | | ဘ | | 4 | 4 |
| | 2.00 | 3 | ဘ | 3 | 3 | 3 | 3 | | | 2 | | ဘ | 3 |
| | 2.25 | 3 | က | 3 | 2 | 2 | 2 | | | 2 | | 2 | 2 |
| | 2.50 | 2 | 2 | 2 | 2 | 2 | 2 | | | 2 | | 2 | 2 |
| | 2.75 | П | П | 1 | 2 | 2 | 2 | | | 2 | | 2 | 2 |
| | 3.00 | 1 | | | | П | | | | | | 1 | |
| | EMRL0,1 | 20 | 21 | 22 | 23 | 24 | 56 | 31 | 31 | 35 | 20 | 52 | 53 |
| | EMRL1,2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9 | 9 | 9 |
| | EMRL2,3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | EMRL0,2 | 12 | 12 | 13 | 14 | 14 | 15 | 17 | 17 | 19 | 28 | 59 | 29 |
| | EMRL1,3 | က | က | က | ဘ | ဘ | က | က | သ | က | 4 | 4 | 4 |
| | EMRL0,3 | 6 | 6 | 6 | 10 | 10 | 11 | 12 | 12 | 13 | 19 | 20 | 20 |

Table 5: MRL and expected MRL results for the EHWMA scheme

| | | | | | $\phi_1 = 0.1$ | | | | | | | | φ | $\phi_1{=}0.25$ | | | |
|--------------------|------|-------|-------|-------|----------------|-----|-------|-------|-------|-------|-------|-------|-----|-----------------|-------|-------|------|
| | | p=2 | | | p=3 | | | p=4 | | | p=2 | | | p=3 | | | b= |
| ϕ_2 | 0.01 | 0.05 | 0.00 | | 0.05 | | 0.01 | 0.05 | 0.09 | 0.05 | 0.1 | 0.2 | | 0.1 | 0.2 | 0.05 | 0. |
| \mathbf{h}_{MEH} | 6 | 9.15 | 9.44 | 11.09 | 11.32 | | 13.1 | 13.29 | 13.62 | 10.34 | 10.37 | 10.38 | | 12.7 | 12.62 | 14.6 | 14. |
| 00.00 | | 168.0 | 165.6 | | 166.1 | | 167.3 | 171.0 | 167.4 | 186.4 | 185.8 | 191.5 | | 194.7 | 193.8 | 181.5 | 206 |
| 0.25 | | 51.0 | 52.3 | | 53.0 | | 54.2 | 6.09 | 58.5 | 73.5 | 9.92 | 86.7 | | 88.3 | 94.1 | 7.68 | 86.8 |
| 0.50 | | 16.9 | 18.5 | | 18.3 | | 19.8 | 20.6 | 21.6 | 22.5 | 25.2 | 30.7 | | 27.6 | 35.0 | 28.7 | 31.1 |
| 0.75 | | 8.9 | 9.1 | | 9.3 | | 9.6 | 10.3 | 10.7 | 10.1 | 10.9 | 13.3 | | 12.7 | 14.8 | 12.5 | 13.5 |
| 1.00 | | 5.1 | 5.5 | | 5.5 | | 5.8 | 6.1 | 6.4 | 5.8 | 6.2 | 7.3 | | 8.9 | 8.2 | 7.3 | 7.4 |
| 1.25 | | 3.5 | 3.7 | | 3.9 | | 3.8 | 4.0 | 4.1 | 3.7 | 4.0 | 4.6 | | 4.5 | 5.4 | 4.3 | 4.6 |
| Shifts 1.50 | | 2.5 | 2.6 | | 2.6 | | 2.9 | 2.9 | 3.1 | 2.7 | 2.7 | 2.9 | | 2.9 | 3.4 | 3.0 | 3.1 |
| 1.75 | | 1.9 | 2.0 | | 2.0 | | 2.1 | 2.1 | 2.2 | 1.9 | 2.0 | 2.3 | | 2.1 | 2.5 | 2.1 | 2.3 |
| 2.00 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 1.8 | 1.7 | 1.7 |
| 2.25 | | 1.4 | 1.4 | | 1.4 | | 1.4 | 1.5 | 1.5 | 1.2 | 1.2 | 1.4 | | 1.4 | 1.4 | 1.4 | 1.4 |
| 2.50 | | 1.2 | 1.2 | | 1.2 | | 1.3 | 1.3 | 1.3 | 1.1 | 1.1 | 1.2 | | 1.1 | 1.3 | 1.2 | 1.2 |
| 2.75 | | 1.1 | 1.1 | | 1.1 | | 1.2 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | | 1.0 | 1.1 | 1.0 | 1.1 |
| 3.00 | | 1.0 | 1.0 | | 1.1 | | 1.1 | 1.1 | 1.1 | 6.0 | 6.0 | 6.0 | | 6.0 | 6.0 | 6.0 | 1.0 |
| ESDRL0,1 | 19.5 | 20.5 | 21.4 | | 21.5 | | 22.4 | 24.5 | 24.3 | 28.0 | 29.7 | 34.5 | | 33.8 | 38.0 | 34.5 | 34 |
| ESDRL1,2 | 2.4 | 2.4 | 2.5 | | 2.5 | | 2.6 | 2.7 | 2.8 | 2.4 | 2.6 | 2.9 | | 2.8 | 3.3 | 2.8 | 2. |
| ESDRL2,3 | 1.2 | 1.2 | 1.2 | | 1.2 | | 1.2 | 1.3 | 1.3 | 1.0 | 1.0 | 1.1 | | 1.1 | 1.2 | 1.1 | 1. |
| ESDRL0,2 | 10.9 | 11.4 | 11.9 | | 12.0 | | 12.5 | 13.6 | 13.5 | 15.2 | 16.1 | 18.7 | | 18.3 | 20.6 | 18.7 | 18 |
| ESDRL1,3 | 1.8 | 1.8 | 1.8 | | 1.9 | | 1.9 | 2.0 | 2.0 | 1.7 | 1.8 | 2.0 | | 2.0 | 2.2 | 2.0 | 2. |
| ESDRL0,3 | 7.7 | 8.0 | 8.3 | | 8.4 | | 8.7 | 9.5 | 9.4 | 10.5 | 11.1 | 12.8 | | 12.6 | 14.2 | 12.8 | 12 |

Table 6: SDRL and expected SDRL results for the MEHWMA scheme

| | | | | | $\phi_1 = 0.1$ | _ | | | | | | | P | 1 =0.25 | | | |
|--------------------|----------|----------|----------|-------|----------------|---------|------|------|------|----------|-------|-------|------|--------------|------------|------|----------|
| | | p=2 | | | p=3 | | | p=4 | | | p=2 | | | p=3 | | | p=4 |
| ϕ_2 | 0.01 | 0.05 | 0.00 | 0.01 | 0.05 | 0.09 | 0.01 | 0.05 | 0.00 | 0.05 | 0.1 | | 0.05 | 0.1 | 0.2 | 0.05 | 0.1 |
| \mathbf{h}_{MEH} | 6 | 9.15 | 9.44 | 11.09 | 11.32 | 2 11.73 | _ | 53 | 62 | | 10.37 | 10.38 | 12.7 | 12.7 | 12.62 | 14.6 | .6 14.62 |
| 00.00 | 166 | 167 | 164 | 160 | | 153 | | | | | 147 | | 151 | 147 | 145 | 145 | 145 |
| 0.25 | 53 | 56 | 59 | 57 | | 99 | | | | | 71 | | 72 | 75 | 2.2 | 78 | 75 |
| 0.50 | 22 | 24 | 24 | 24 | | 28 | | | | | 27 | | 29 | 30 | 33 | 31 | 30 |
| 0.75 | 12 | 13 | 13 | 13 | 14 | 15 | | | | | 14 | | 15 | 16 | 17 | 16 | 17 |
| 1.00 | ∞ | ∞ | ∞ | 6 | | 6 | | | | ∞ | 6 | | 10 | 10 | 11 | 10 | 10 |
| 1.25 | 9 | 9 | 9 | 9 | 9 | 2 | | | | | 9 | | 9 | 2 | 2 | 7 | 7 |
| $ m Shifts \ 1.50$ | 4 | 4 | 2 | 5 | 2 | 5 | 2 | ಒ | 9 | 4 | ಒ | | 5 | 5 | ,0 | 5 | 5 |
| 1.75 | 4 | 4 | 4 | 4 | 4 | 4 | | | 4 | | 4 | | 4 | 4 | # | 4 | 4 |
| 2.00 | က | 3 | 33 | 3 | 3 | 3 | | | 4 | | 3 | | 3 | 3 | ~ | ဘ | 3 |
| 2.25 | 3 | 3 | 33 | 3 | 3 | 3 | | | 3 | | 3 | | 3 | 3 | ~ | က | 3 |
| 2.50 | 3 | 3 | 33 | 3 | 3 | 3 | | | 3 | | 2 | | 3 | 3 | ~ | က | 3 |
| 2.75 | 2 | 2 | 2 | 2 | 2 | 3 | | | 3 | | 2 | | 2 | 2 | ~ 1 | 2 | 2 |
| 3.00 | - | 1 | П | 1 | 2 | 2 | | | 2 | | 2 | | 2 | 2 | ~1 | 2 | 2 |
| EMRL0,1 | 24 | 25 | 26 | 26 | 28 | 30 | 28 | 30 | 31 | 27 | 30 | 32 | 32 | 33 | 35 | 34 | 33 |
| $\mathbf{EMRL1,2}$ | 4 | 4 | ಬ | 5 | 5 | 5 | 5 | ಬ | ಬ | 4 | 2 | 5 | 2 | 5 | ಬ | ಬ | 5 |
| EMRL2,3 | 2 | 2 | 2 | 2 | 3 | က | က | က | က | 2 | 2 | 2 | က | က | က | က | 3 |
| $\mathbf{EMRL0,2}$ | 14 | 15 | 15 | 15 | 16 | 17 | 17 | 18 | 18 | 16 | 17 | 18 | 18 | 19 | 20 | 19 | 19 |
| EMRL1,3 | က | 3 | က | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 33 | က | 4 | 4 | 4 | 4 | 4 |
| EMRL0,3 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 13 | 13 | 11 | 12 | 13 | 13 | 13 | 14 | 14 | 13 |

Table 7: MRL and expected MRL results for the MEHWMA scheme