

| Trackers   | Fast Motion    |      |      |      |      |      | Background Clutter |      |      |      |      |      |
|------------|----------------|------|------|------|------|------|--------------------|------|------|------|------|------|
|            | Noise Variance |      |      |      |      |      |                    |      |      |      |      |      |
|            | 0.00           | 0.01 | 0.03 | 0.05 | 0.07 | 0.09 | 0.00               | 0.01 | 0.03 | 0.05 | 0.07 | 0.09 |
| ECO        | 87.5           | 84.7 | 82.6 | 81.2 | 75.8 | 70.2 | 91.7               | 80.0 | 77.8 | 69.0 | 67.4 | 64.2 |
| CSRDCF     | 85.8           | 84.4 | 80.2 | 78.5 | 77.4 | 76.9 | 91.4               | 88.6 | 86.4 | 85.9 | 82.1 | 81.5 |
| ADNet      | 83.5           | 74.9 | 72.9 | 67.4 | 61.2 | 63.0 | 83.7               | 72.7 | 65.4 | 57.7 | 53.7 | 54.7 |
| MCPF       | 80.5           | 80.1 | 71.1 | 64.9 | 63.7 | 60.3 | 82.0               | 77.8 | 65.8 | 55.0 | 52.8 | 46.1 |
| SRDCF      | 79.7           | 76.5 | 73.5 | 72.8 | 69.4 | 64.2 | 86.6               | 76.6 | 76.8 | 64.1 | 65.3 | 58.4 |
| DCFNet     | 79.5           | 73.3 | 66.5 | 66.7 | 65.3 | 67.0 | 78.7               | 77.4 | 64.5 | 63.1 | 57.3 | 57.4 |
| SRDCFdecon | 77.8           | 77.4 | 72.5 | 68.6 | 56.0 | 53.8 | 80.1               | 71.7 | 68.4 | 59.7 | 50.0 | 52.2 |
| CF2        | 77.3           | 72.7 | 64.5 | 59.3 | 59.7 | 51.6 | 75.3               | 63.7 | 54.0 | 48.4 | 47.9 | 39.9 |
| SiameseFC  | 73.9           | 71.3 | 68.0 | 67.1 | 62.1 | 60.5 | 69.8               | 68.1 | 61.1 | 57.5 | 47.2 | 53.0 |
| HDT        | 73.5           | 71.0 | 62.1 | 61.6 | 62.5 | 58.8 | 70.1               | 61.7 | 52.3 | 47.7 | 49.6 | 47.0 |
| fDSST      | 73.1           | 69.2 | 55.8 | 49.4 | 48.4 | 45.5 | 78.0               | 65.0 | 51.6 | 52.9 | 50.9 | 50.6 |
| STAPLE     | 70.8           | 65.5 | 57.4 | 55.0 | 48.5 | 44.5 | 74.9               | 74.2 | 66.6 | 65.4 | 61.1 | 60.9 |
| LCT        | 68.0           | 56.4 | 56.0 | 54.1 | 47.8 | 45.4 | 73.4               | 63.5 | 60.3 | 50.4 | 50.1 | 43.2 |
| ECT        | 67.6           | 48.3 | 1.82 | 10.0 | 9.00 | 4.50 | 74.4               | 41.7 | 5.60 | 1.70 | 1.10 | 0.90 |
| BIT        | 67.2           | 57.6 | 48.7 | 49.2 | 42.9 | 43.4 | 74.5               | 60.0 | 60.9 | 56.2 | 52.6 | 53.3 |
| KCF        | 63.2           | 49.2 | 41.0 | 35.0 | 34.8 | 2.91 | 71.3               | 49.5 | 44.3 | 44.3 | 39.8 | 35.5 |
| CFNet      | 63.0           | 56.7 | 51.7 | 41.5 | 42.7 | 35.5 | 71.2               | 68.1 | 59.7 | 51.3 | 47.9 | 42.3 |
| Obli-RaF   | 61.0           | 66.1 | 56.7 | 60.5 | 60.6 | 56.4 | 74.3               | 65.5 | 53.6 | 50.5 | 51.4 | 52.9 |
| CNT        | 34.3           | 34.8 | 34.2 | 34.2 | 30.3 | 2.71 | 51.5               | 51.3 | 45.2 | 46.5 | 47.8 | 44.3 |