

| Sub-scale<br>size distribution mixture |                    | Arithmetic<br>mean    | Polarimetric<br>retrieval |                   | Aggregation<br>rules |        |
|--|--------------------|-----------------------|---------------------------|-------------------|----------------------|--------|
| $r_e$                                  | $v_e$              | $\langle r_e \rangle$ | $r_e(\text{pol})$         | $v_e(\text{pol})$ | $r_e'$               | $v_e'$ |
| [5, 10]                                | [0.01, 0.01]       | 7.5                   | 8.0                       | 0.10              | 9.00                 | 0.060  |
| [5, 15]                                | [0.01, 0.01]       | 10.0                  | 14.5                      | 0.01              | 14.00                | 0.056  |
| [5, 20]                                | [0.01, 0.01]       | 12.5                  | 19.0                      | 0.01              | 19.12                | 0.044  |
| [10, 15]                               | [0.01, 0.01]       | 12.5                  | 13.0                      | 0.05              | 13.46                | 0.040  |
| [10, 20]                               | [0.01, 0.01]       | 15.0                  | 16.5                      | 0.10              | 18.00                | 0.060  |
| [15, 20]                               | [0.01, 0.01]       | 17.5                  | 18.0                      | 0.01              | 18.20                | 0.028  |
| [5, 10, 15]                            | [0.01, 0.01, 0.01] | 10.0                  | 12.0                      | 0.10              | 12.85                | 0.069  |
| [5, 10, 20]                            | [0.01, 0.01, 0.01] | 11.7                  | 14.0                      | 0.10              | 17.38                | 0.087  |
| [5, 15, 20]                            | [0.01, 0.01, 0.01] | 13.3                  | 17.5                      | 0.02              | 17.69                | 0.049  |
| [10, 15, 20]                           | [0.01, 0.01, 0.01] | 15.0                  | 16.0                      | 0.10              | 17.07                | 0.055  |