

| Trial | Window length (min) | Assimilated obs. | roe (dBZ) | Note |
|--------------|---------------------|------------------|-----------|---|
| conv60 | 60 | conv. | – | – |
| conv60_nolhn | 60 | conv. | – | No LHN |
| rad60 | 60 | conv. + radar | 5 | – |
| rad60_nolhn | 60 | conv. + radar | 5 | No LHN |
| rad30 | 30 | conv. + radar | 5 | – |
| rad15 | 15 | conv. + radar | 5 | – |
| rad60_1st15 | 60 | conv. + radar | 5 | Use obs. in the last 15 min of the window |
| rad60_roe10 | 60 | conv. + radar | 10 | – |
| rad60_roe0.5 | 60 | conv. + radar | 0.5 | – |
| rad15_roe10 | 15 | conv. + radar | 10 | – |
| rad15_roe0.5 | 15 | conv. + radar | 0.5 | – |