

| Variable | Symbol | Units | Value |
|--|-------------------------|-----------------------|---|
| Init. state error cov. of \mathbf{u}_k | $\mathbf{P}_{0,u}$ | $(\text{m s}^{-1})^2$ | $1.0 \times 10^{-1} \cdot \mathbf{I}_{N_u}$ |
| Init. state error cov. of \mathbf{v}_k | $\mathbf{P}_{0,v}$ | $(\text{m s}^{-1})^2$ | $1.0 \times 10^{-1} \cdot \mathbf{I}_{N_v}$ |
| Init. state error cov. of ℓ_{s_k} | \mathbf{P}_{0,ℓ_s} | — | 5.0×10^{-1} |
| Model error cov. of \mathbf{u}_k | $\mathbf{Q}_{0,u}$ | $(\text{m s}^{-1})^2$ | $1.0 \times 10^{-2} \cdot \mathbf{I}_{N_u}$ |
| Model error cov. of \mathbf{v}_k | $\mathbf{Q}_{0,v}$ | $(\text{m s}^{-1})^2$ | $1.0 \times 10^{-4} \cdot \mathbf{I}_{N_v}$ |
| Model error cov. of ℓ_{s_k} | \mathbf{Q}_{0,ℓ_s} | — | 1.0×10^{-4} |
| Meas. error cov. of flow | $\mathbf{R}_{u,v}$ | $(\text{m s}^{-1})^2$ | $1.0 \times 10^{-2} \cdot \mathbf{I}_{M_{u,v}}$ |
| Meas. error cov. of P | \mathbf{R}_P | $(\text{W})^2$ | $1.0 \times 10^8 \cdot \mathbf{I}_{N_T}$ |