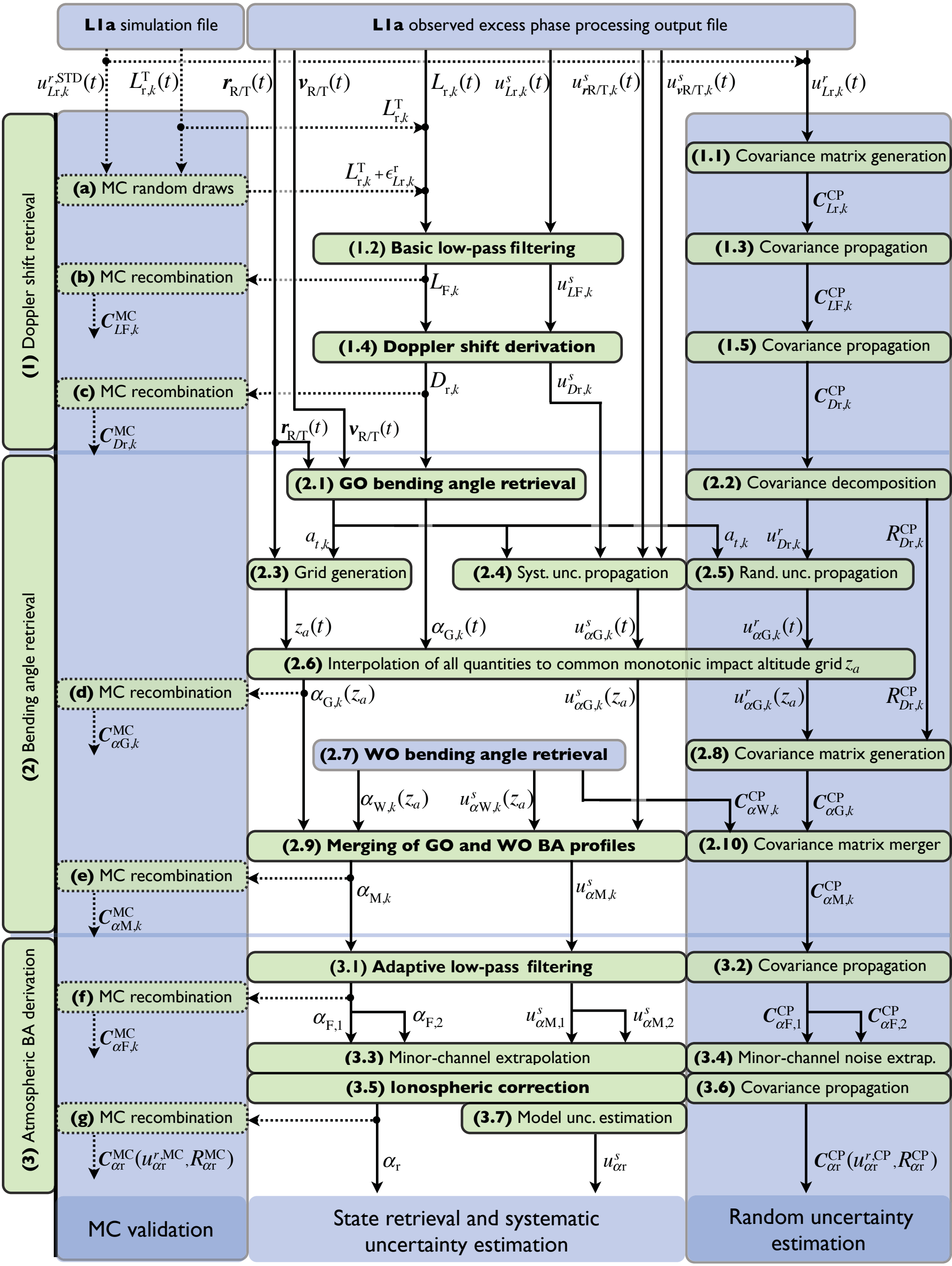
L1a simulation file
L1a observed excess phase processing output file
(1) Doppler shift retrieval
(2) Bending angle retrieval
(3) Atmospheric BA derivation
(a) MC random draws
(b) MC recombination
(c) MC recombination
(1.1) Covariance matrix generation
(1.2) Basic low-pass filtering
(1.3) Covariance propagation
(1.4) Doppler shift derivation
(1.5) Covariance propagation
(2.1) GO bending angle retrieval
(2.2) Covariance decomposition
(2.3) Grid generation
(2.4) Syst. unc. propagation
(2.5) Rand. unc. propagation
(2.6) Interpolation of all quantities to common monotonic impact altitude grid z_a
(d) MC recombination
(2.7) WO bending angle retrieval
(2.8) Covariance matrix generation
(2.9) Merging of GO and WO BA profiles
(2.10) Covariance matrix merger
(e) MC recombination
(3.1) Adaptive low-pass filtering
(3.2) Covariance propagation
(f) MC recombination
(3.3) Minor-channel extrapolation
(3.4) Minor-channel noise extrap.
(3.5) Ionospheric correction
(3.6) Covariance propagation
(3.7) Model unc. estimation
(g) MC recombination
MC validation
State retrieval and systematic uncertainty estimation
Random uncertainty estimation