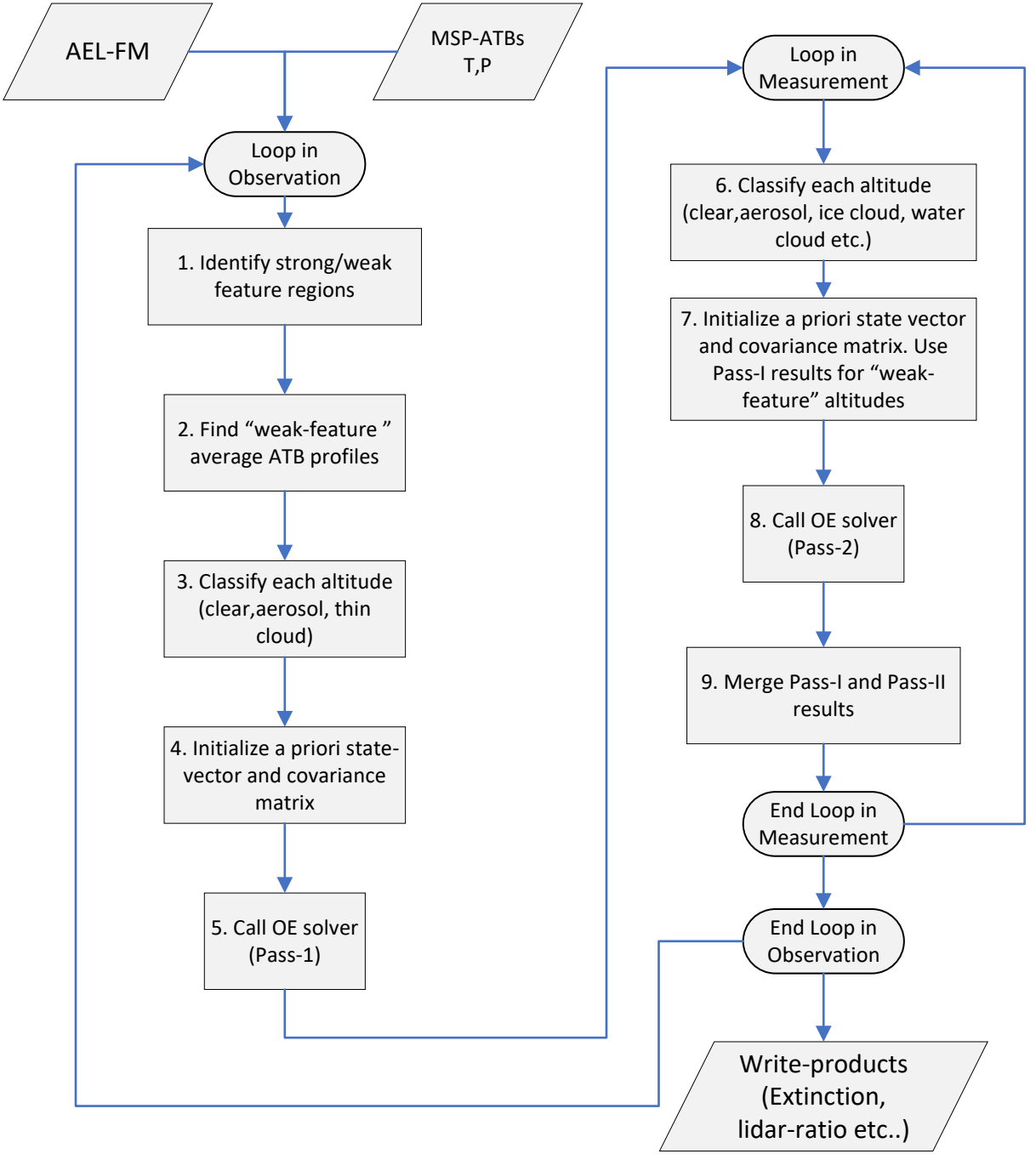
AEL-FM
MSP-ATBs
T,P
Loop in Observation
1. Identify strong/weak feature regions
2. Find “weak-feature ” average ATB profiles
3. Classify each altitude (clear,aerosol, thin cloud)
4. Initialize a priori state-vector and covariance matrix
5. Call OE solver (Pass-1)
Loop in Measurement
6. Classify each altitude (clear,aerosol, ice cloud, water cloud etc.)
7. Initialize a priori state vector and covariance matrix. Use Pass-I results for “weak-feature” altitudes
8. Call OE solver (Pass-2)
9. Merge Pass-I and Pass-II results
End Loop in Measurement
End Loop in Observation
Write-products (Extinction, lidar-ratio etc..)