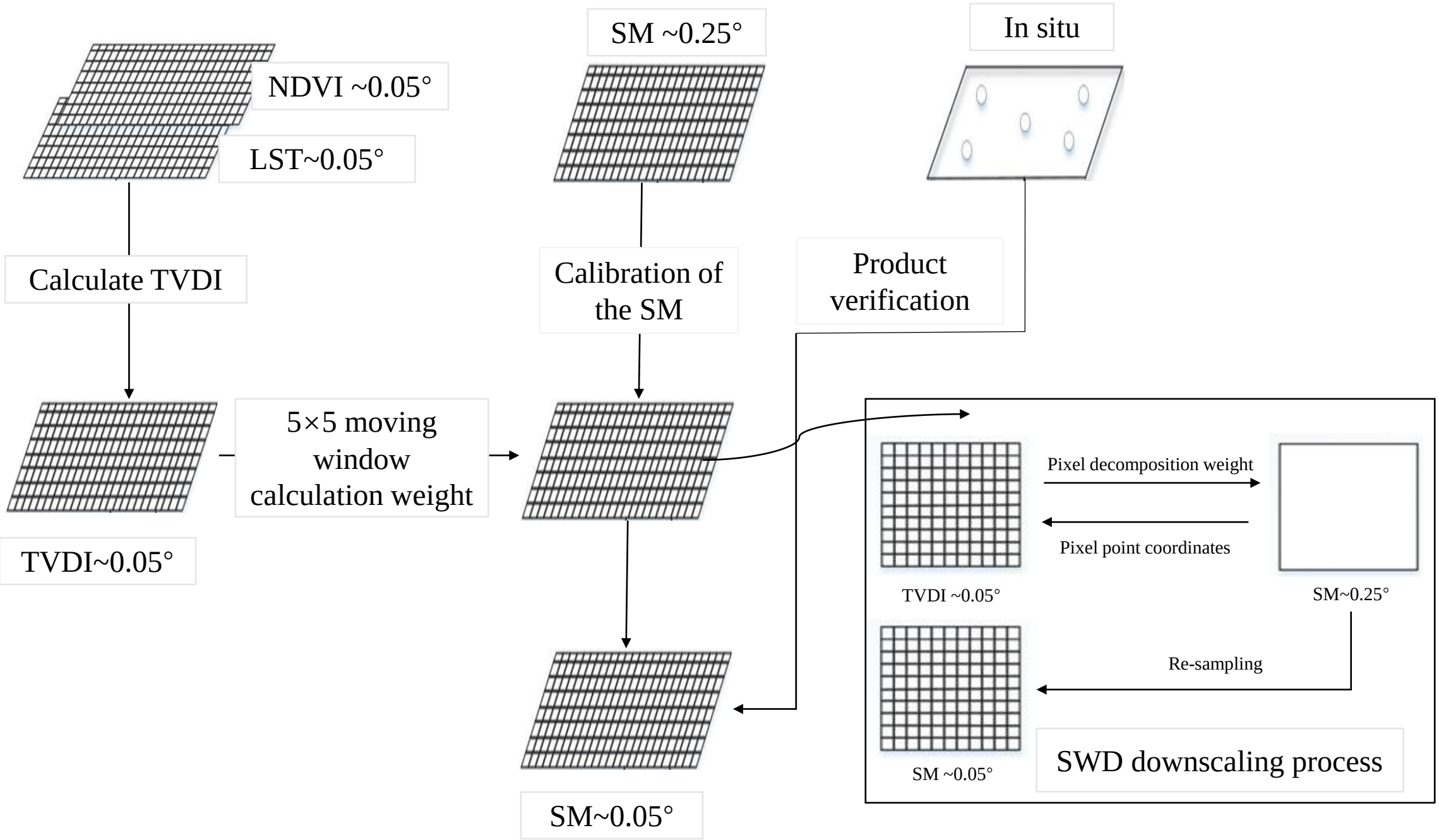
NDVI ~0.05°
LST~0.05°
SM ~0.25°
In situ
Calculate TVDI
Calibration of the SM
Product verification
5×5 moving window calculation weight
TVDI~0.05°
SM~0.05°
Pixel decomposition weight
Pixel point coordinates
TVDI ~0.05°
SM~0.25°
Re-sampling
SM ~0.05°
SWD downscaling process