In addition, in order to assist surgeons in locating the margins of the tumor during the operation, a real-time analysis of the acquired hyperspectral images is required, considering as real- time the time hyperspectral sensors need to capture a new image. Considering that commercial hyperspectral sensors usually capture each scene with a push-broom scanning mode, the definition of real-time in this context is usually around 1-2 minutes. Anyway,