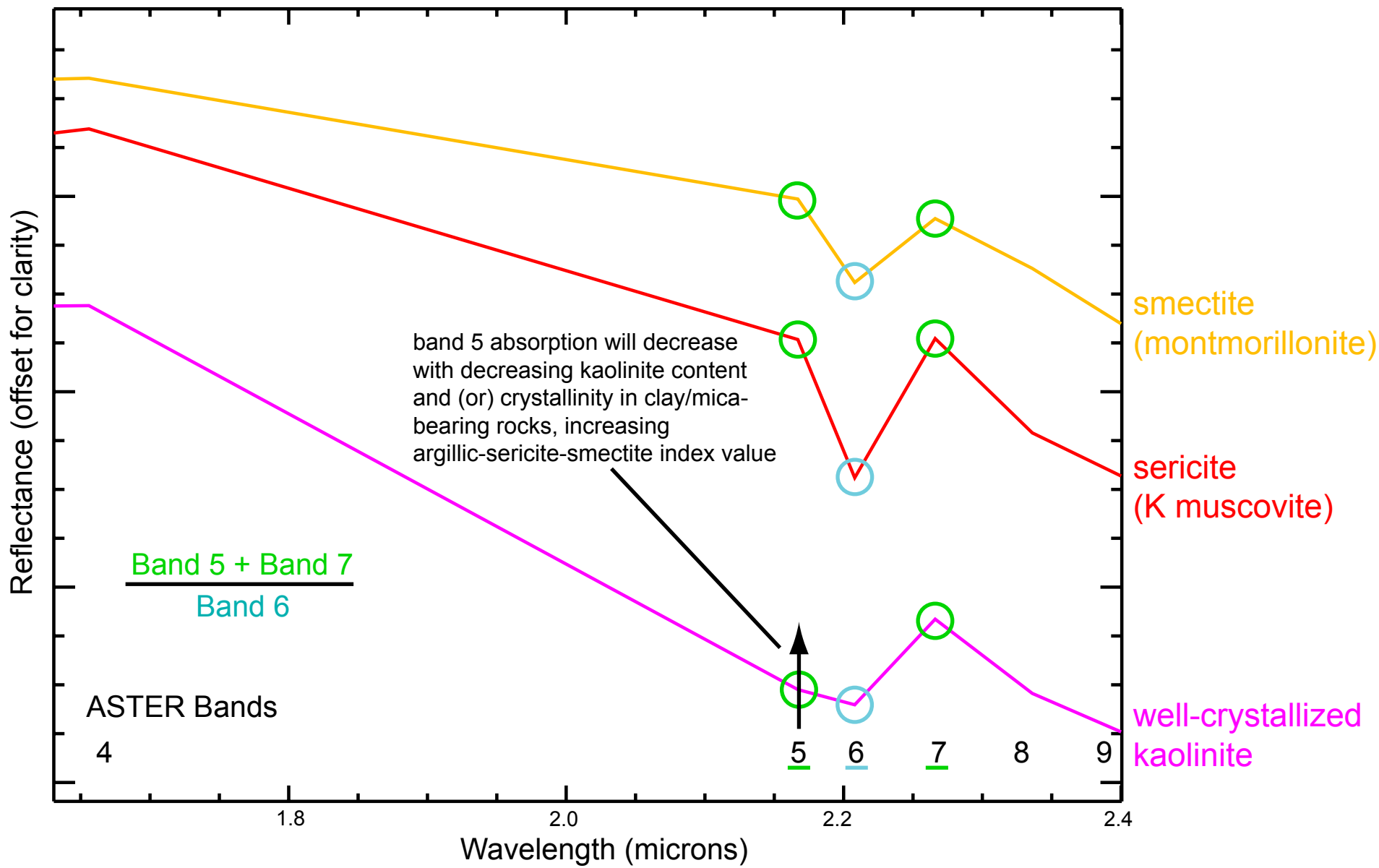
Reflectance (offset for clarity)
Wavelength (microns)
1.8
2.0
2.2
2.4
smectite
(montmorillonite)
sericite
(K muscovite)
well-crystallized
kaolinite
band 5 absorption will decrease
with decreasing kaolinite content
and (or) crystallinity in clay/mica-
bearing rocks, increasing
argillic-sericite-smectite index value
Band 5 + Band 7
Band 6
ASTER Bands
4
5
6
7
8
9