PaSSTEL : PlanetAry Surface Spectroscopy Toulouse Experimental Laboratory

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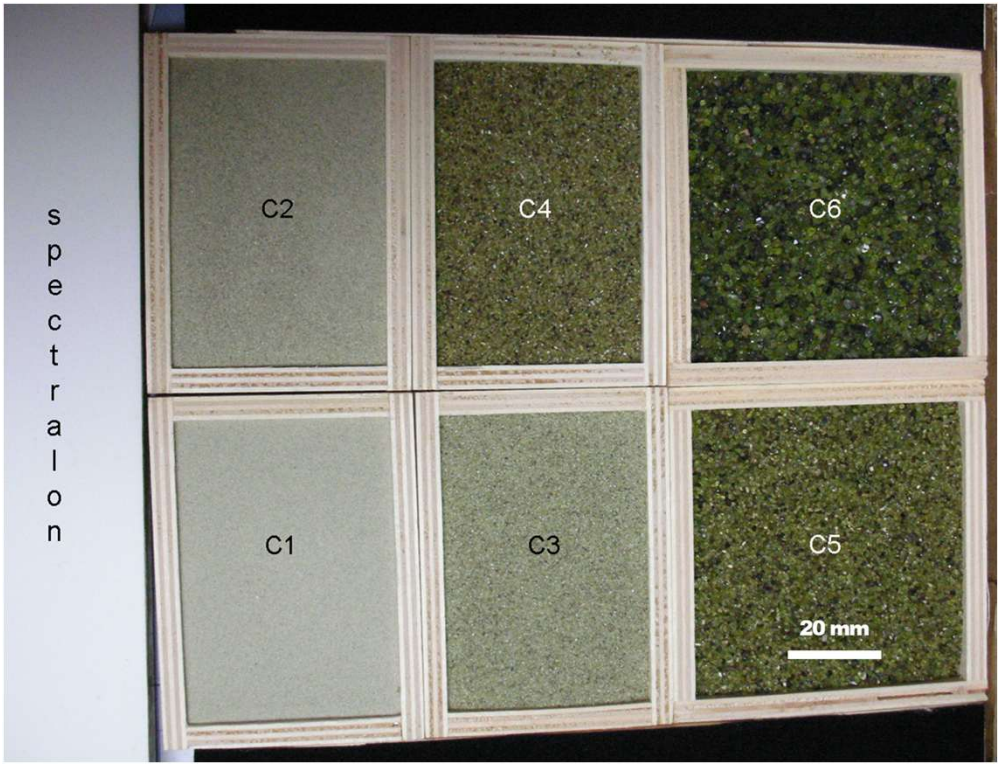
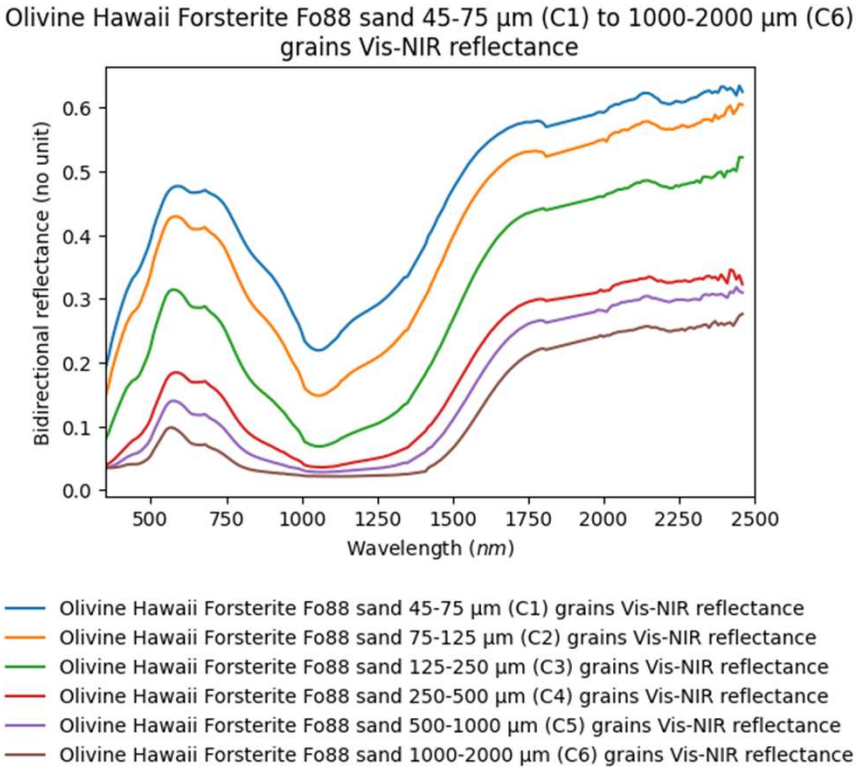
Shade meeting, 11-12/02/2025

PaSSTEL

Echantillons : provenant de produits volcaniques naturels (roches ou poudres)



Données (1) spectro ASD : hyperspectrales VIS NIR



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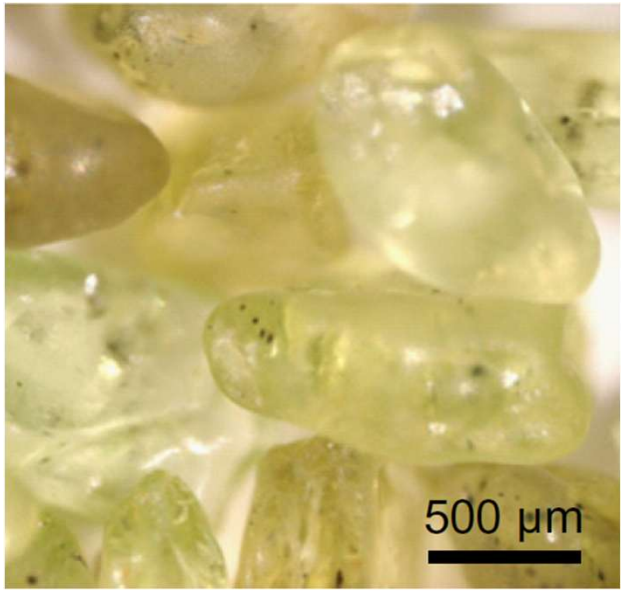
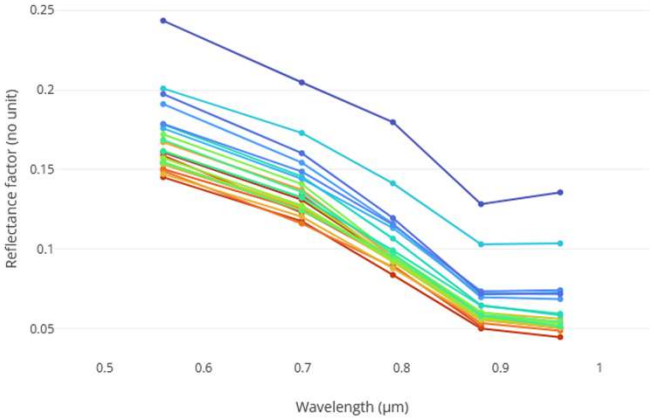
Echantillons : provenant de produits volcaniques naturels (roches ou poudres)

Olivine C5 (500-1000 µm)



Données (2) multiangulaires spectro-imageur ISEP : multispectrales VIS NIR



Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=10°, e=35°, az=0°, ph=25°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=10°, e=35°, az=180°, ph=45°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=0°, az=0°, ph=30°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=20°, az=180°, ph=50°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=30°, az=135°, ph=55.0247°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=40°, az=180°, ph=70°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=60°, az=0°, ph=30°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=60°, az=135°, ph=82.7138°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=60°, az=180°, ph=90°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=30°, e=60°, az=315°, ph=42.3368°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=45°, e=55°, az=270°, ph=66.0725°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=0°, az=0°, ph=50°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=25°, az=0°, ph=25°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=30°, az=135°, ph=73.3914°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=30°, az=315°, ph=34.1564°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=60°, az=135°, ph=98.4943°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=60°, az=315°, ph=37.7679°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=50°, e=70°, az=180°, ph=120°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=55°, e=65°, az=135°, ph=106.413°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=55°, e=65°, az=315°, ph=39.8824°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=60°, e=60°, az=135°, ph=106.28°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=60°, e=60°, az=315°, ph=38.7092°)
Multiangular reflectance of Olivine Hawaii in 5 Vis bands (500-1000 µm grain size) (i=60°, e=70°, az=180°, ph=120°)

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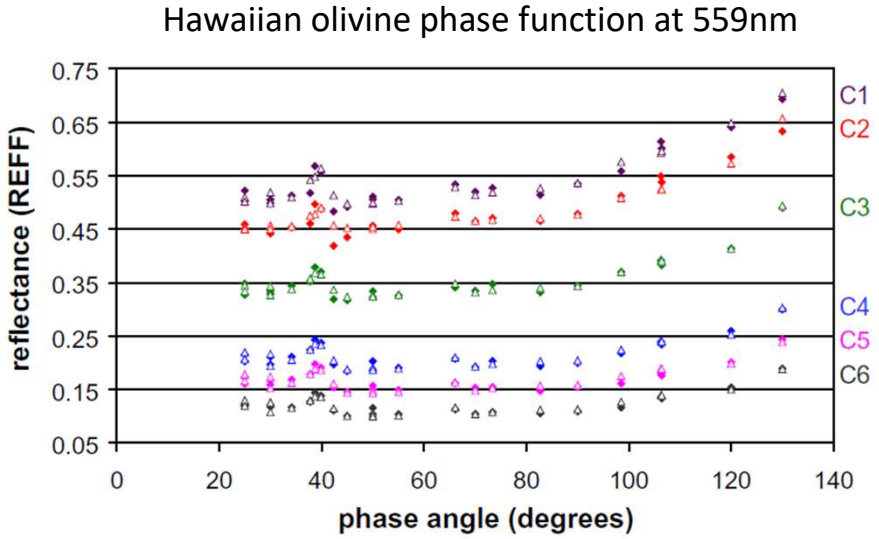
Proposition de représentation graphique de la fonction de phase (données multiangulaires) :
sélection d'un sous-jeu de domaines angulaires (incidence, émergence, phase) et d'un domaine spectral



Difficultés rencontrées (non liées à Sshade) :
perte de disques durs en 2023 entrainant un arrêt (provisoire) d'importation de données dans PaSSTEL