

*Article***Multi-Temporal Polarimetric RADARSAT-2 for Land Cover Monitoring in Northeastern Ontario, Canada. *Remote Sensing*, 2014, 6, 2372–2392****Jeffrey W. Cable ¹, John M. Kovacs ^{1,*}, Jiali Shang ² and Xianfeng Jiao ¹**

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Supplementary A—Backscatter Intensities of Each Incidence Angle and Polarization

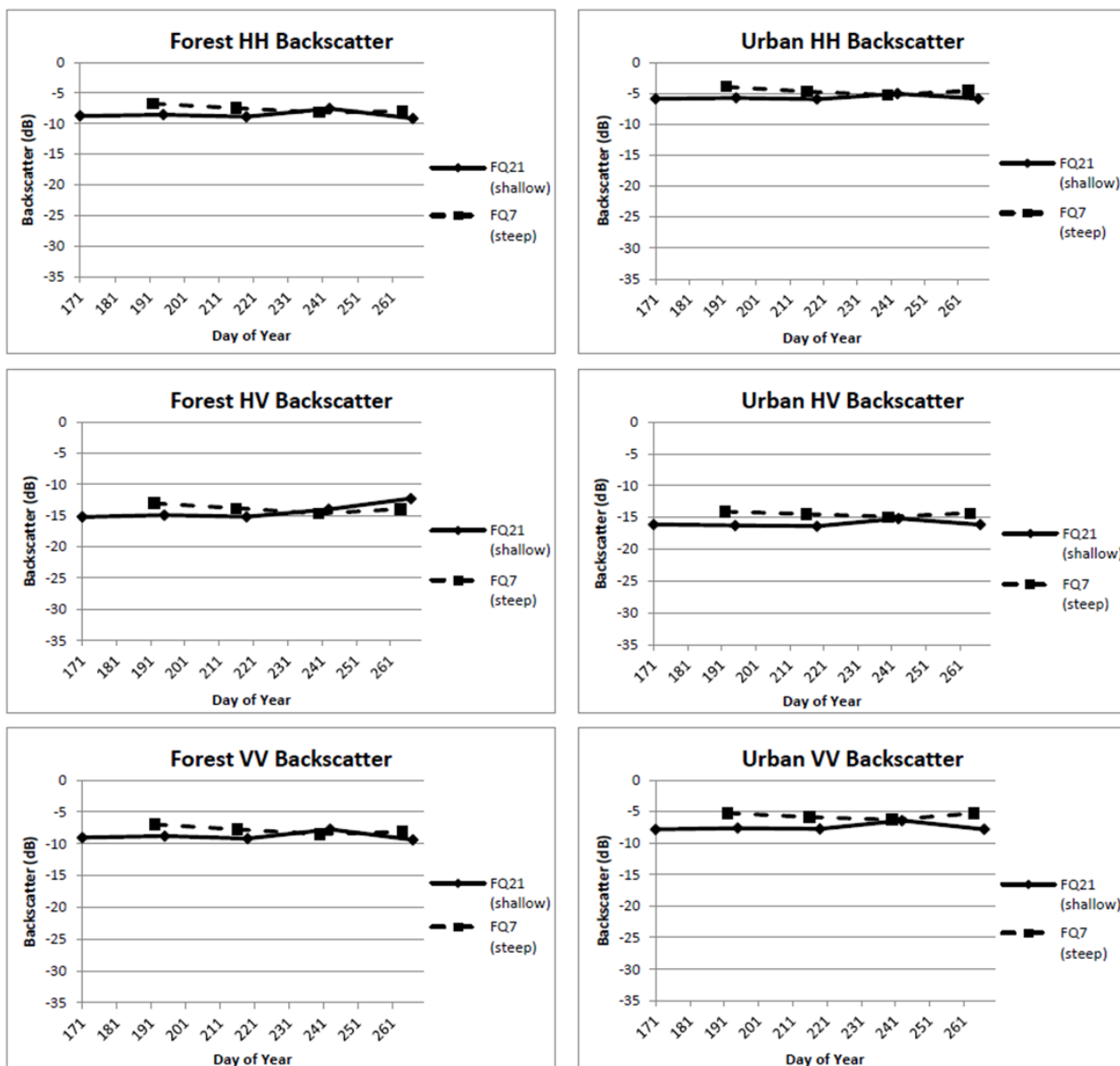
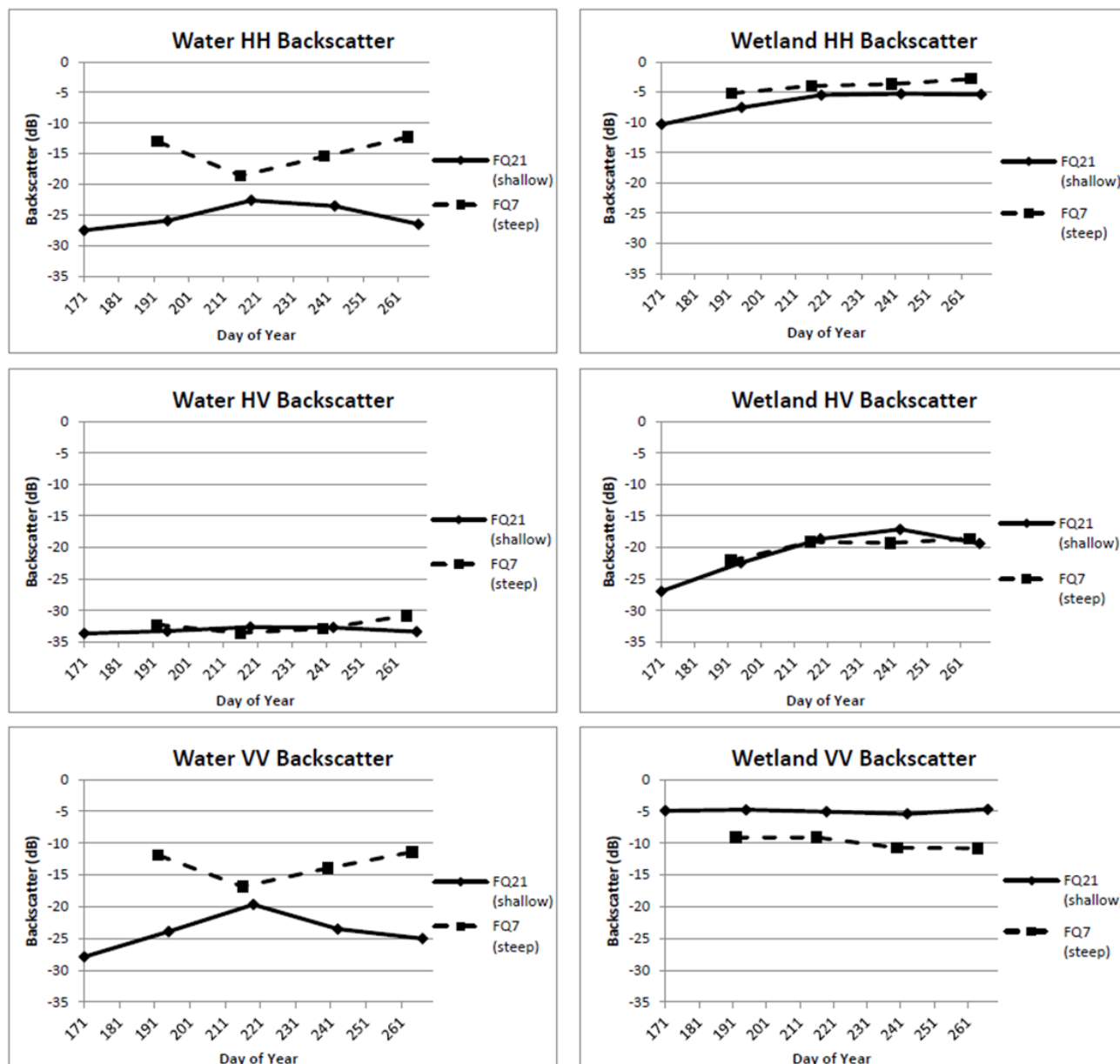
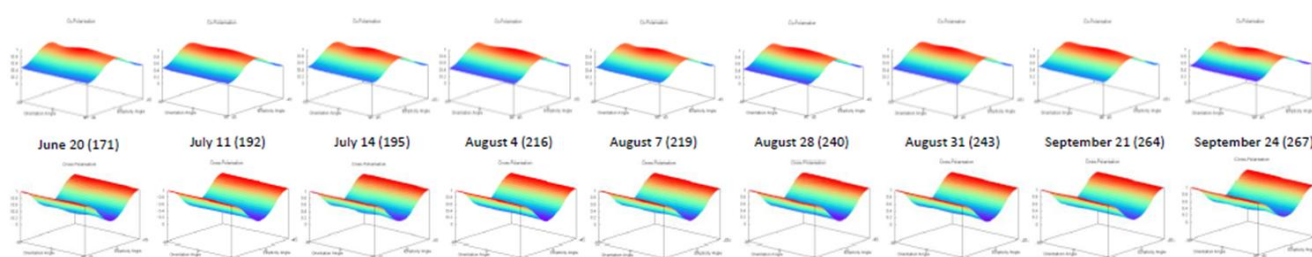
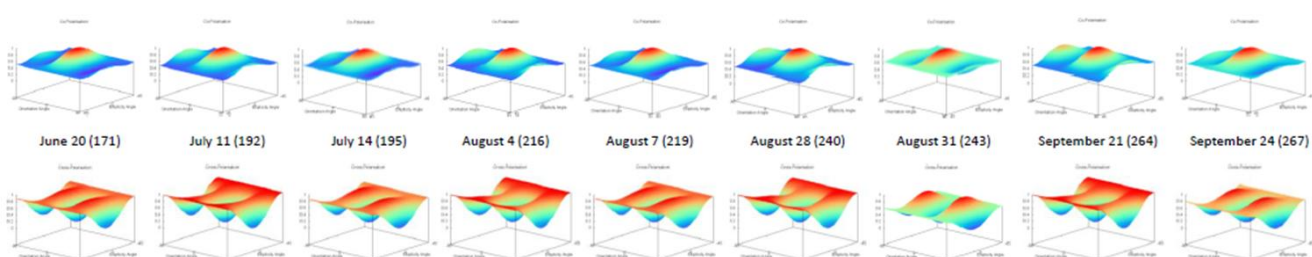
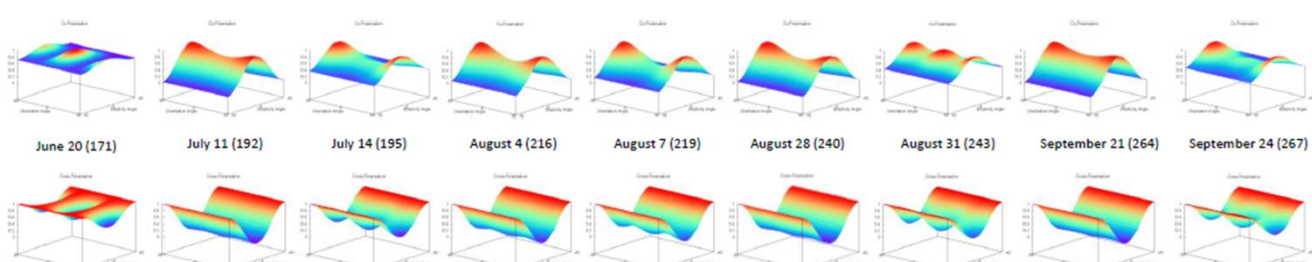
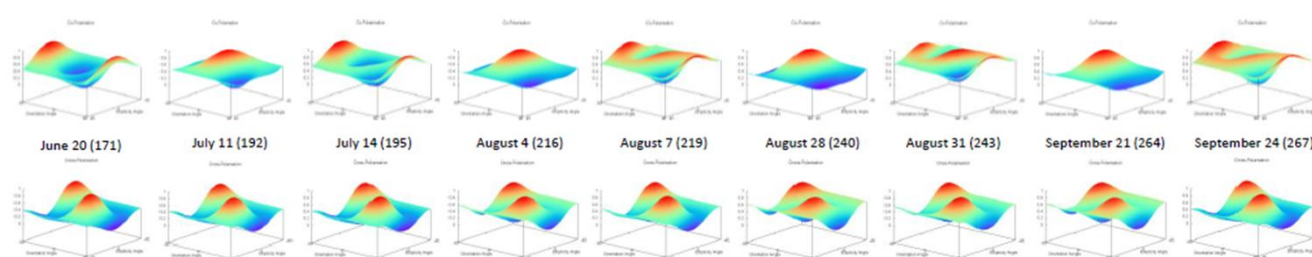
Figure A1. HH (Top); HV (Middle); and VV (Bottom) backscatter intensities for barley (Left) and canola (Right).

Figure A2. HH (Top); HV (Middle); and VV (Bottom) backscatter intensities for oat (Left) and soybean (Right).



Supplementary B—Polarization Response Plots

Figure B1. Forest co-polarization (**top**) and cross-polarization (**bottom**) signatures.**Figure B2.** Urban co-polarization (**top**) and cross-polarization (**bottom**) signatures.**Figure B3.** Water co-polarization (**top**) and cross-polarization (**bottom**) signatures.**Figure B4.** Wetland co-polarization (**top**) and cross-polarization (**bottom**) signatures.

Supplementary C—Cloude-Pottier H/α Decomposition Plots

Figure C1. Forest Cloude-Pottier Decompositions for (a) 20 June, (b) 11 July, and (c) 14 July.

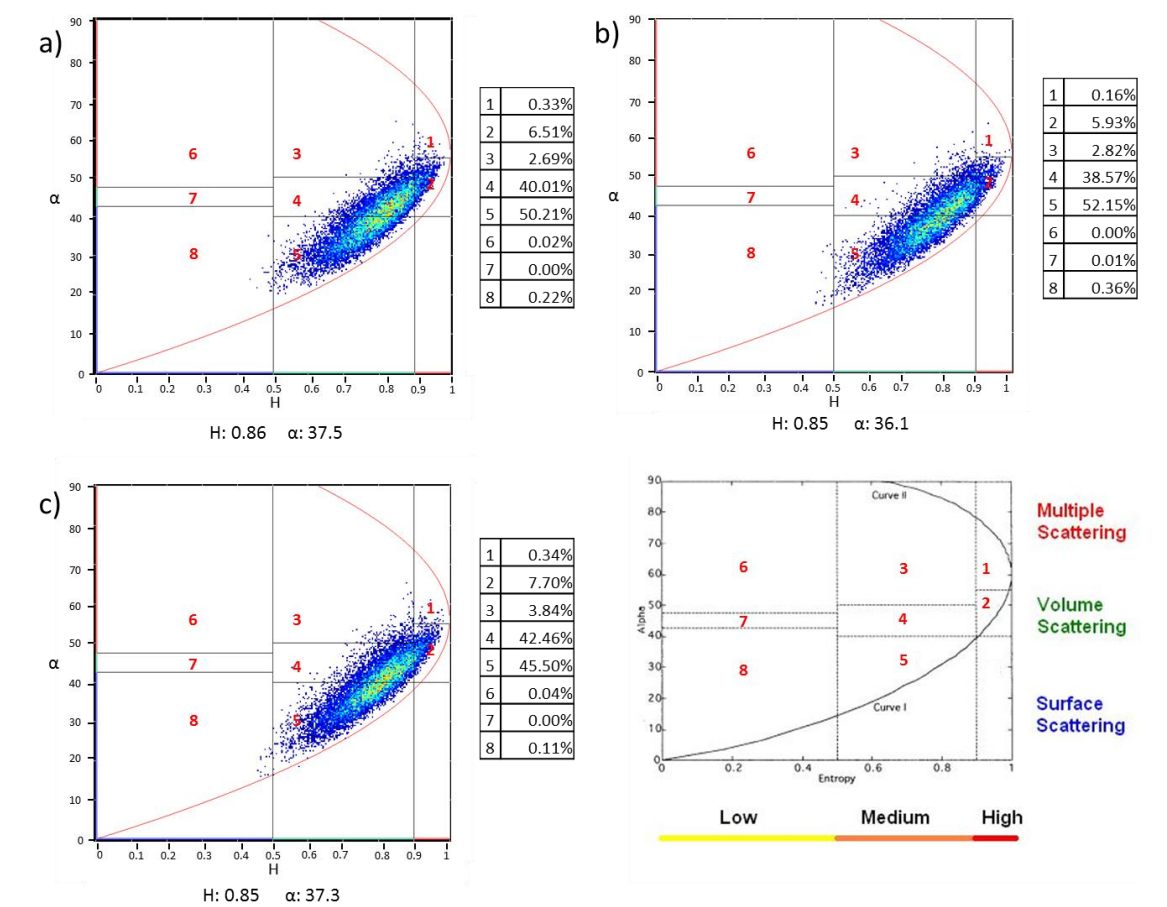


Figure C2. Forest Cloude-Pottier Decompositions for (a) 4 August, (b) 7 August, and (c) 28 August.

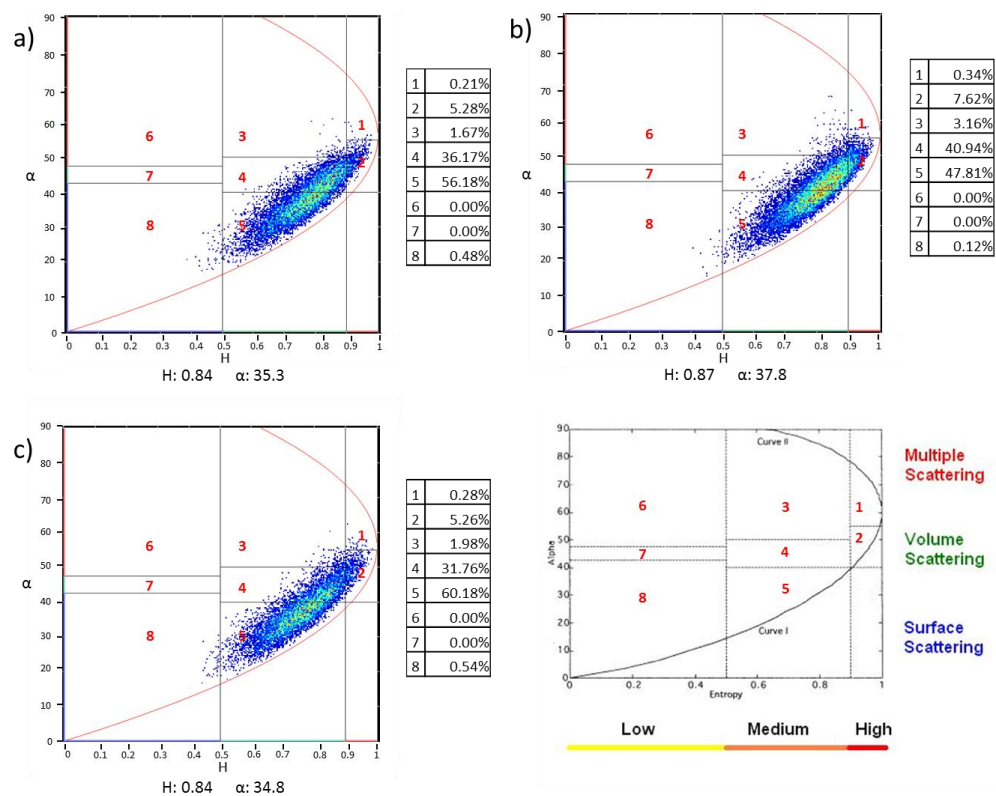


Figure C3. Forest Cloude-Pottier Decompositions for (a) 31 August, (b) 21 September, and (c) 24 September.

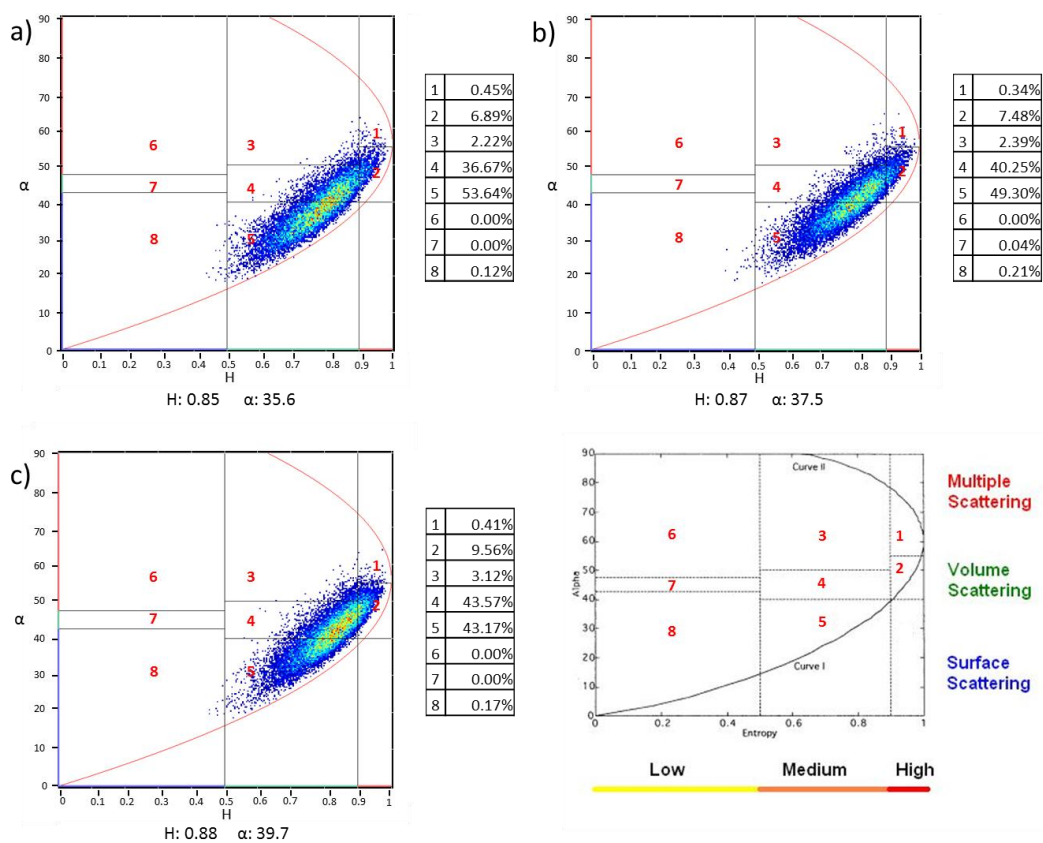


Figure C4. Urban Cloude-Pottier Decompositions for (a) 20 June, (b) 11 July, and (c) 14 July.

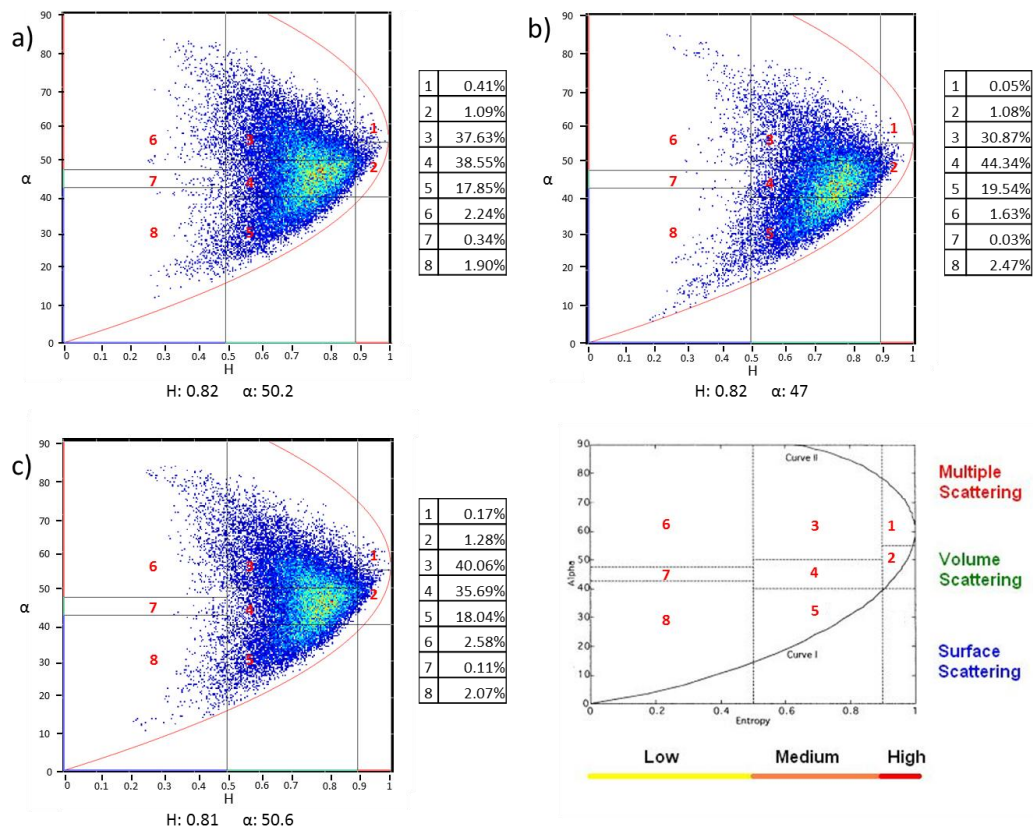


Figure C5. Urban Cloude-Pottier Decompositions for (a) 4 August, (b) 7 August, and (c) 28 August.

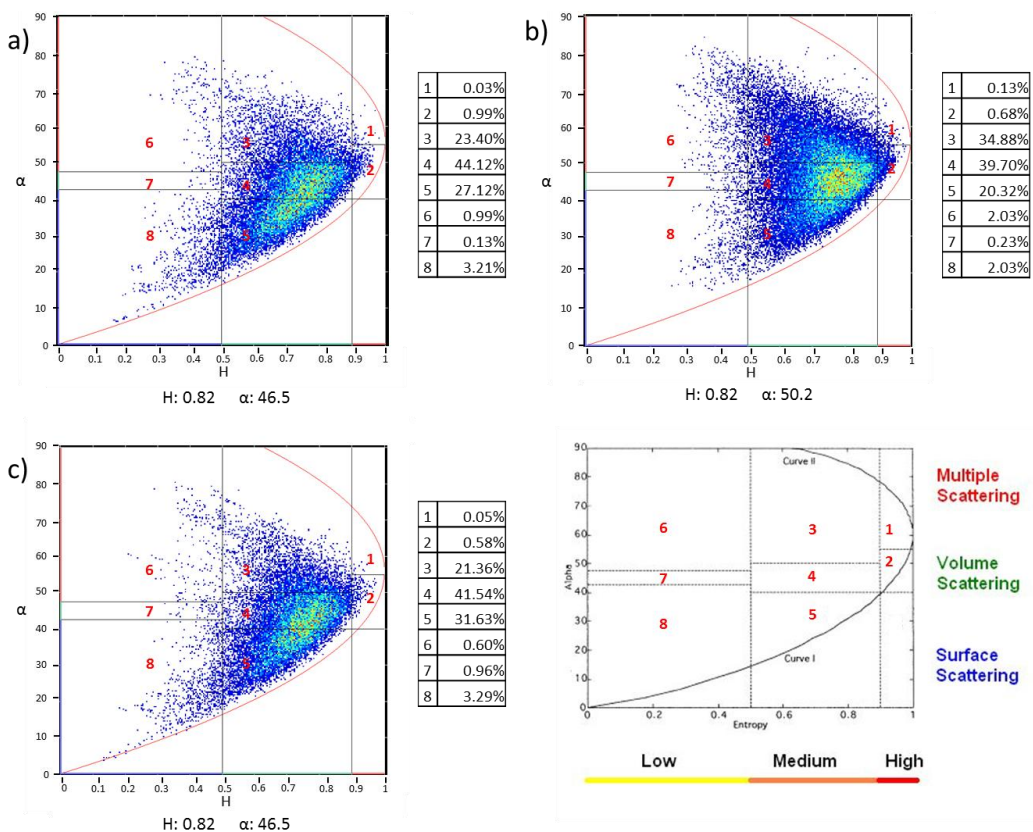


Figure C6. Urban Cloude-Pottier Decompositions for (a) 31 August, (b) 21 September, and (c) 24 September.

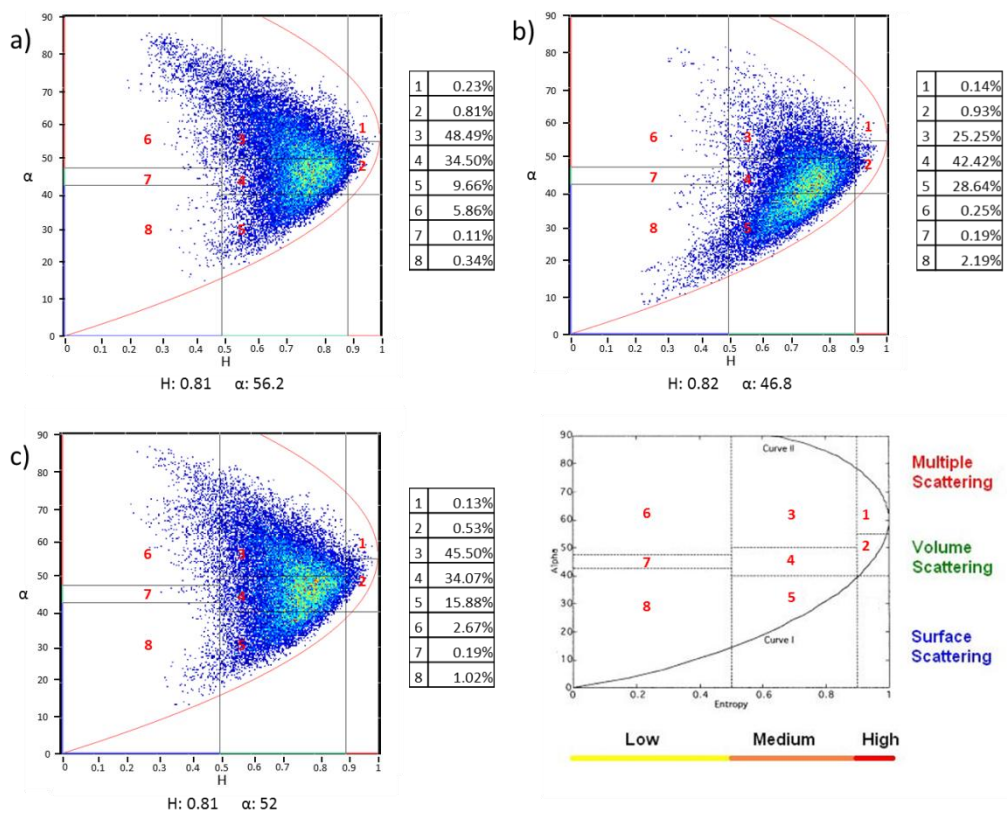


Figure C7. Water Cloude-Pottier Decompositions for (a) 20 June, (b) 11 July, and (c) 14 July.

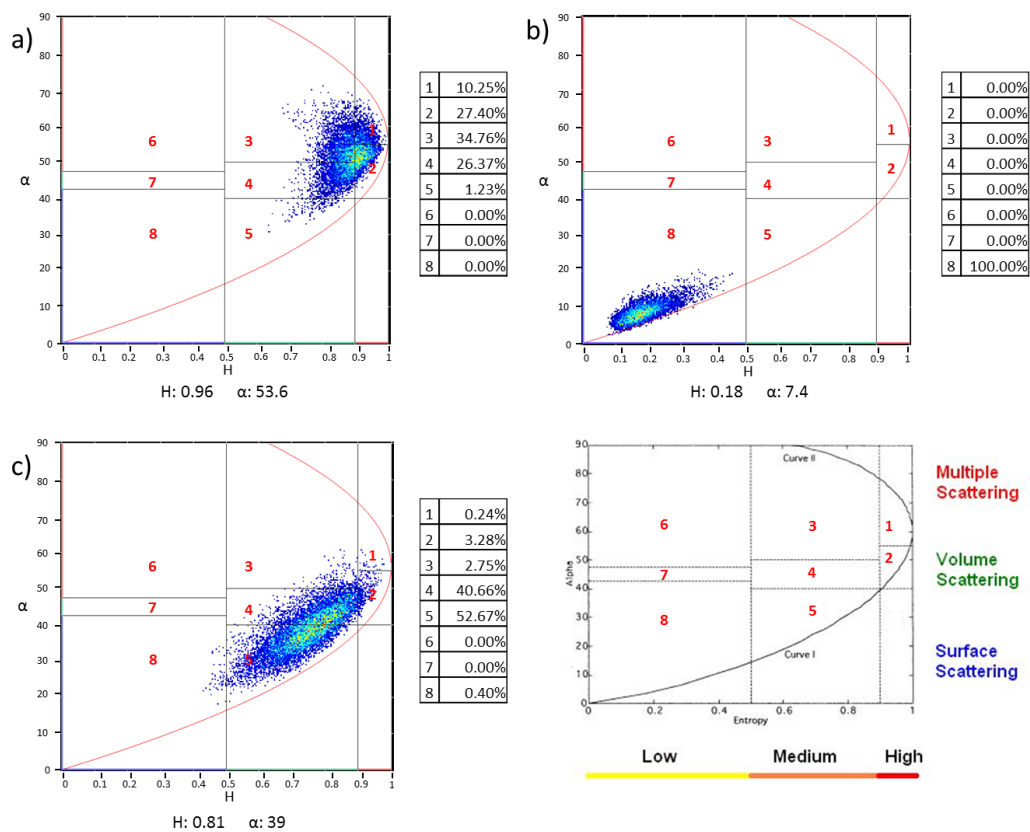


Figure C8. Oat cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

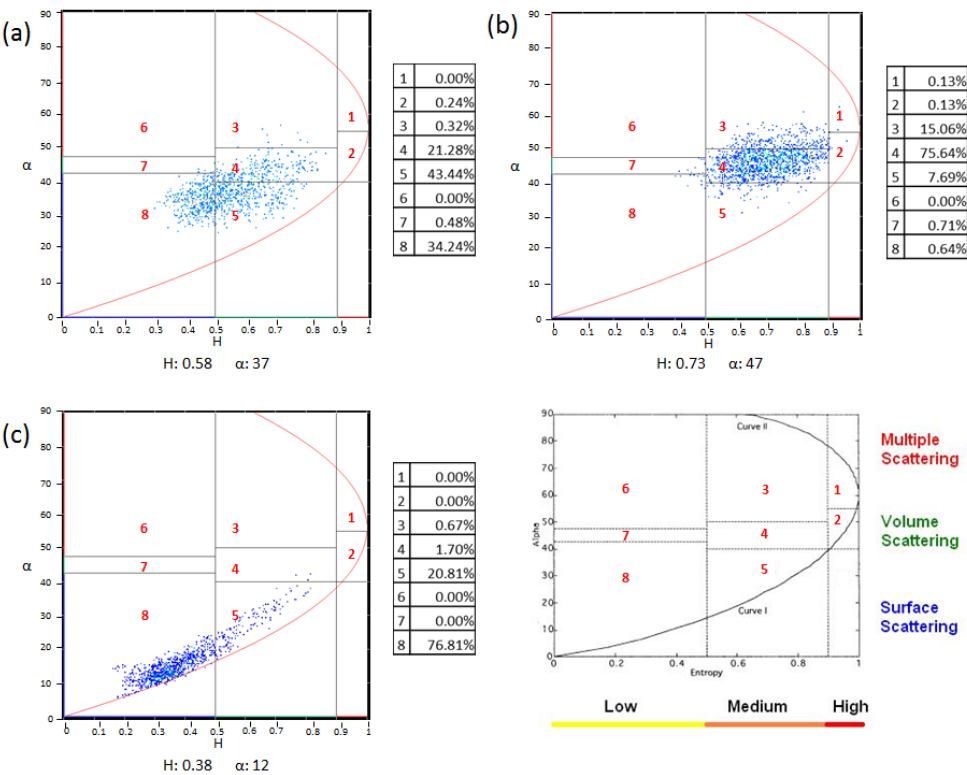


Figure C9. Oat cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.

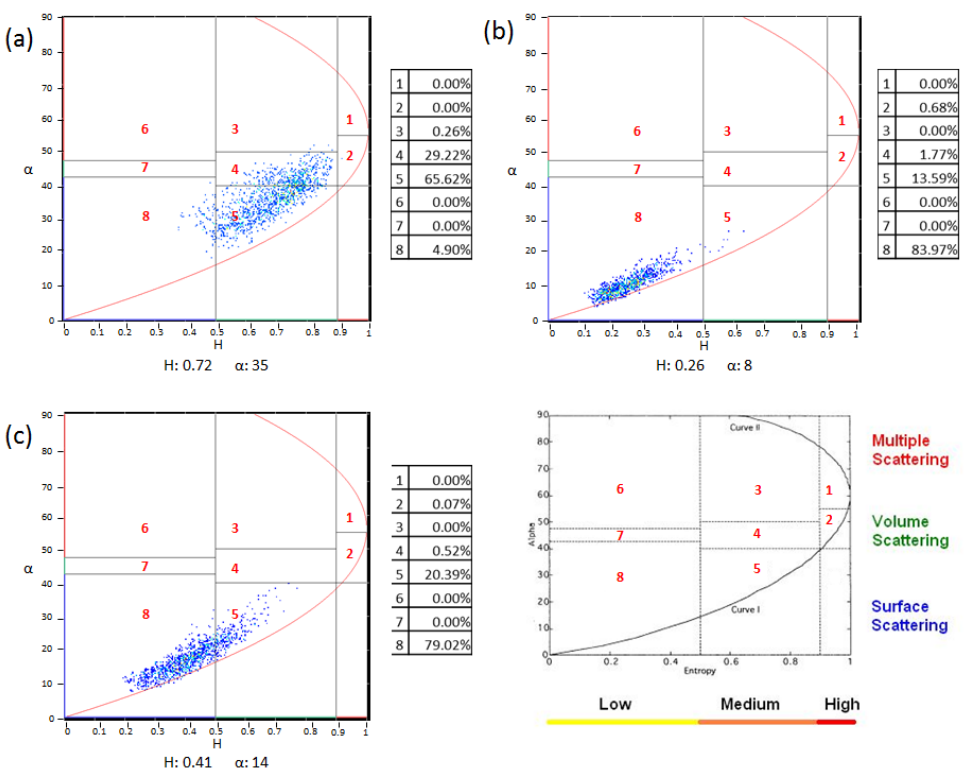


Figure C10. Water Cloude-Pottier Decompositions for (a) 4 August, (b) 7 August, and (c) 28 August.

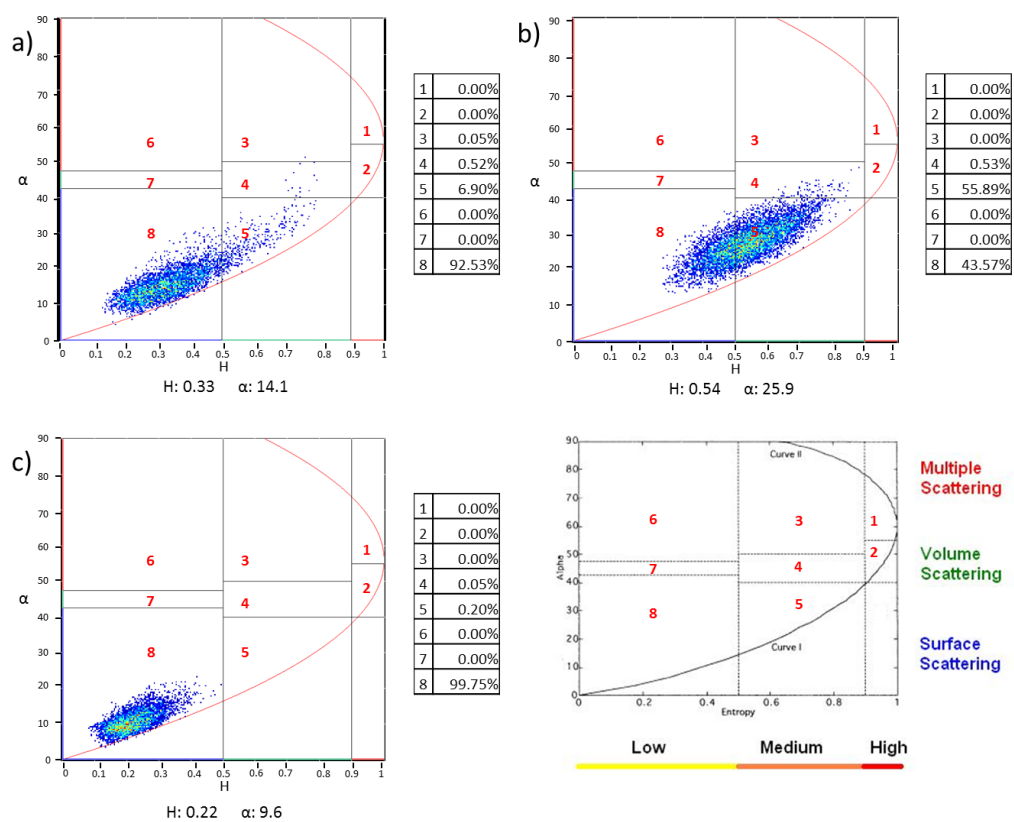


Figure C11. Water Cloude-Pottier Decompositions for (a) 31 August, (b) 21 September, and (c) 24 September.

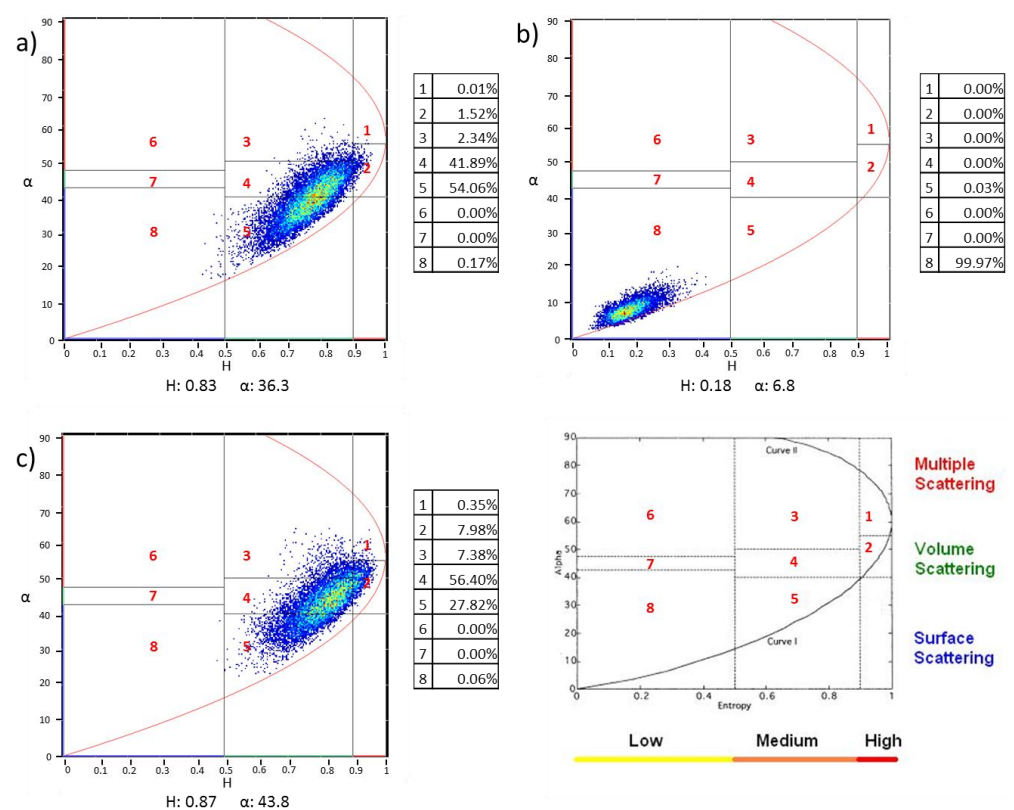


Figure C12. Wetland Cloude-Pottier Decompositions for (a) 20 June, (b) 11 July, and (c) 14 July.

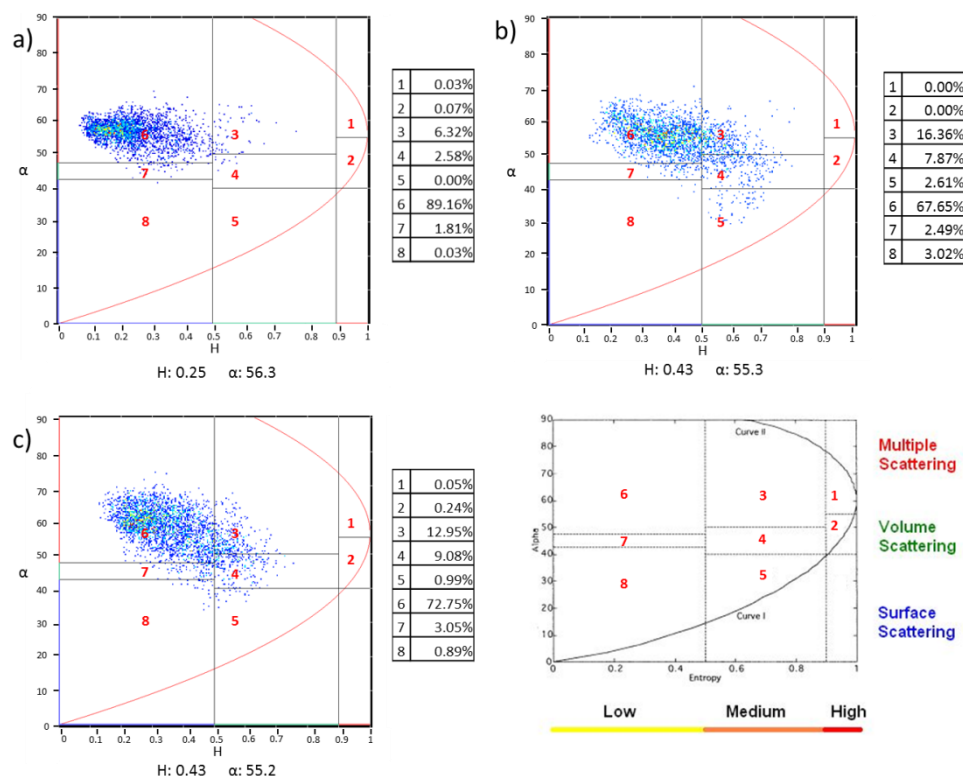


Figure C13. Wetland Cloude-Pottier Decompositions for (a) 4 August, (b) 7 August, and (c) 28 August.

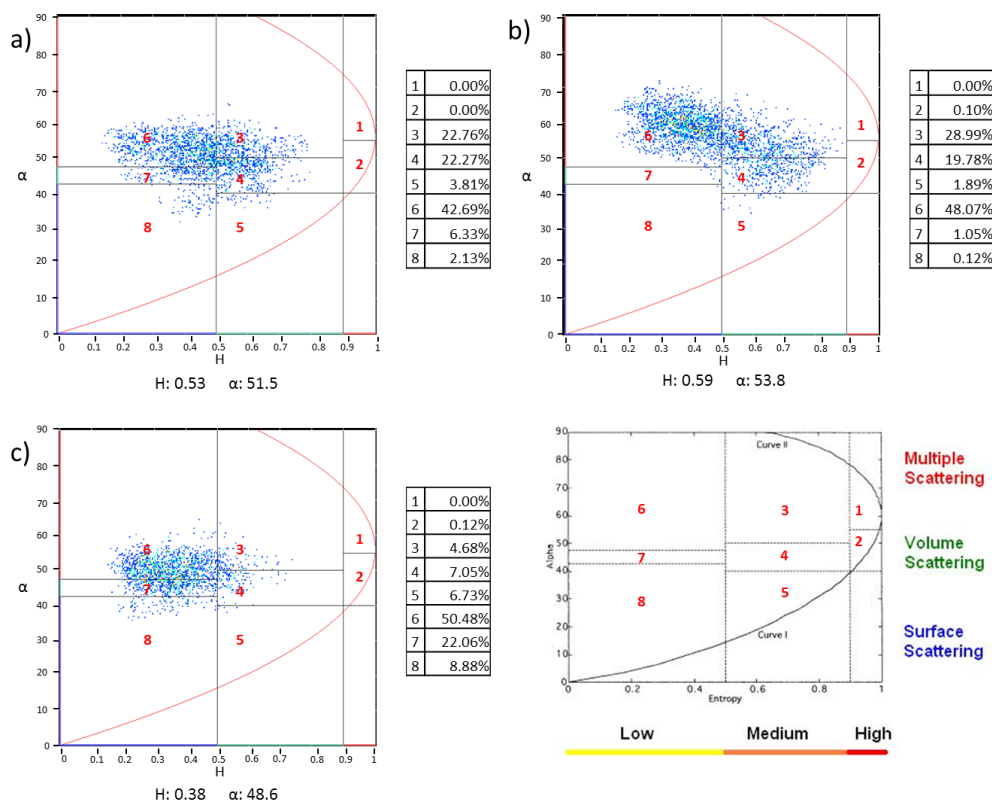
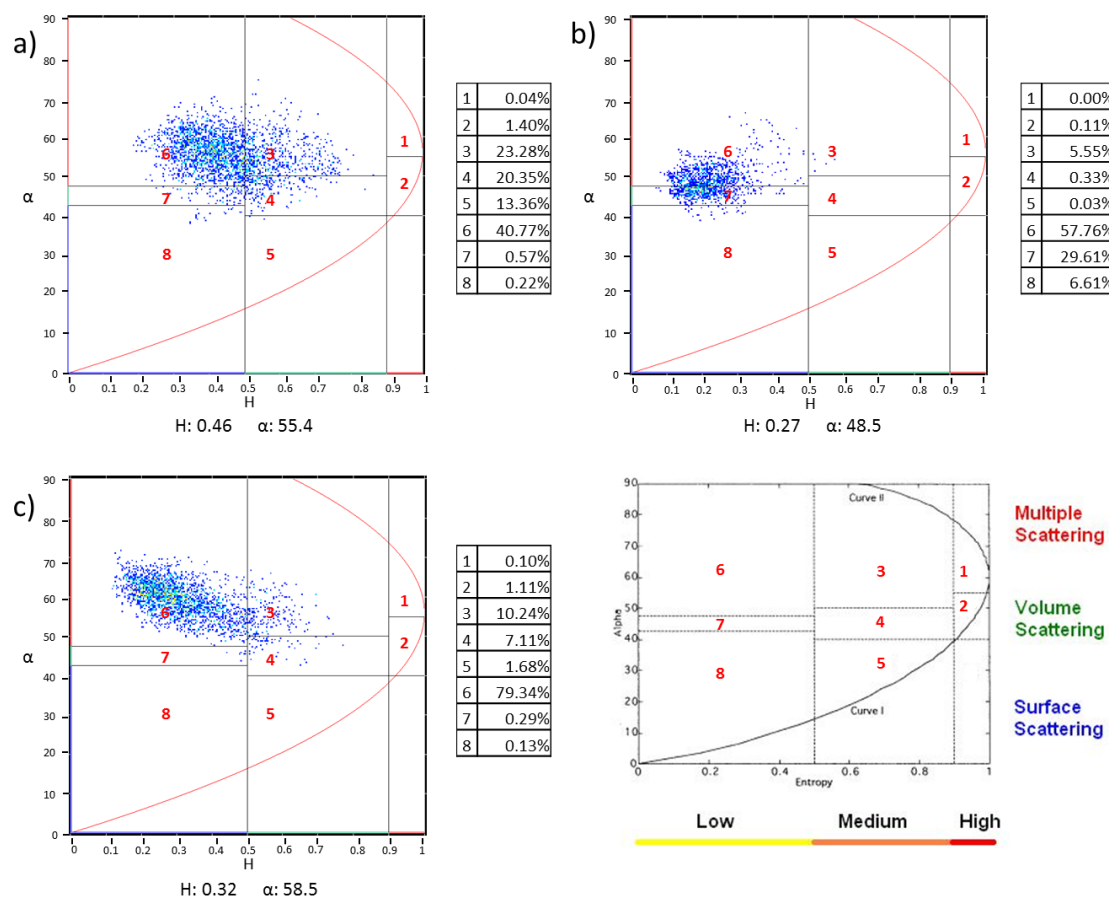


Figure C14. Wetland Cloude-Pottier Decompositions for (a) 31 August, (b) 21 September, and (c) 24 September.



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