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Supplementary Information

Agricultural Monitoring in Northeastern Ontario, Canada, Using Multi-Temporal Polarimetric RADARSAT-2 Data. *Remote Sensing*, 2014, 6, 2343–2371

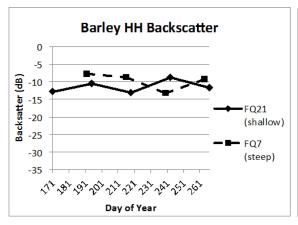
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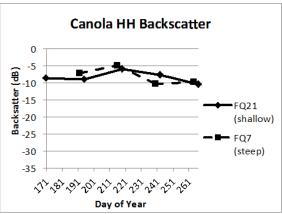
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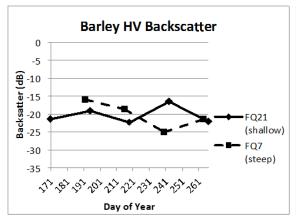
Received: 26 December 2013; in revised form: 21 February 2014 / Accepted: 3 March 2014 / Published: 17 March 2014

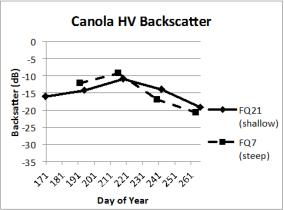
Supplementary A—Backscatter Intensities of Each Incidence Angle and Polarization

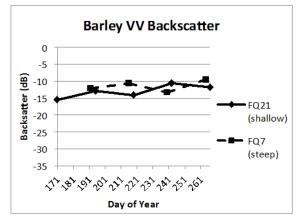
Figure A1. HH (**Top**); HV (**Middle**); and VV (**Bottom**) backscatter intensities for barley (**Left**) and canola (**Right**).











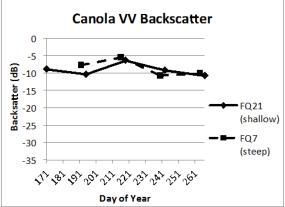
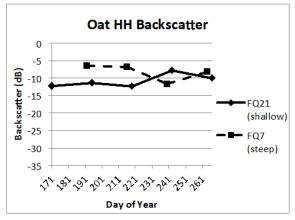
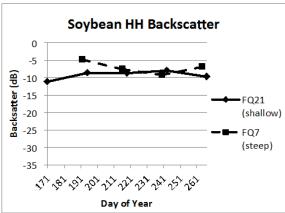
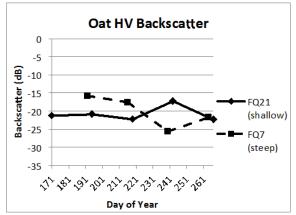
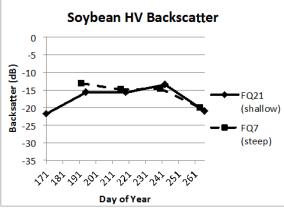


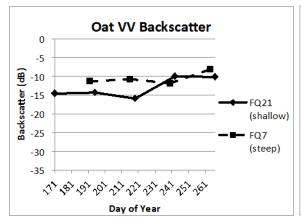
Figure A2. HH (**Top**); HV (**Middle**); and VV (**Bottom**) backscatter intensities for oat (**Left**) and soybean (**Right**).











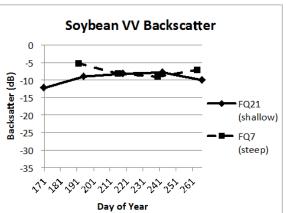
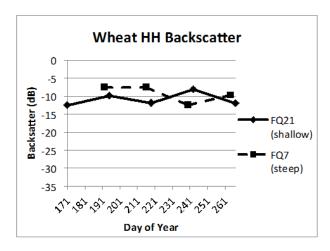
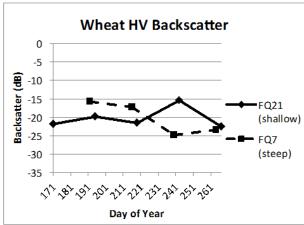
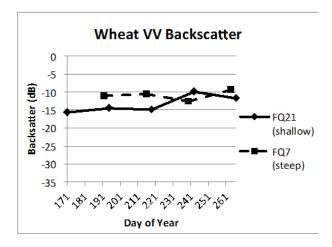


Figure A3. HH (Top); HV (Middle); and VV (Bottom) backscatter intensities for wheat.







Supplementary B—Polarization Response Plots

Figure B1. Barley co-polarization (Top) and cross-polarization (Bottom) signatures.

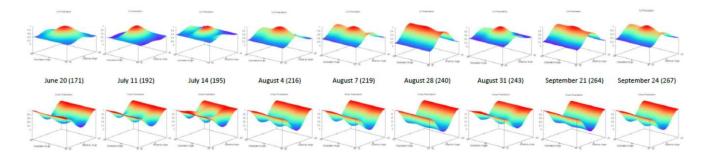


Figure B2. Canola co-polarization (Top) and cross-polarization (Bottom) signatures.

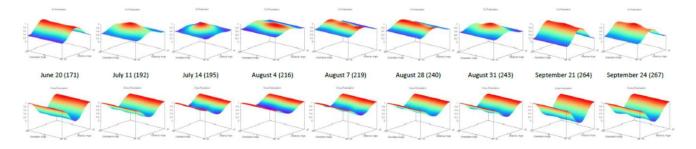


Figure B3. Oat co-polarization (Top) and cross-polarization (Bottom) signatures.

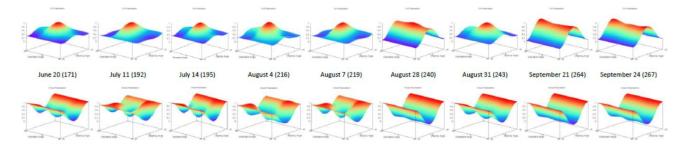


Figure B4. Soybean co-polarization (Top) and cross-polarization (Bottom) signatures.

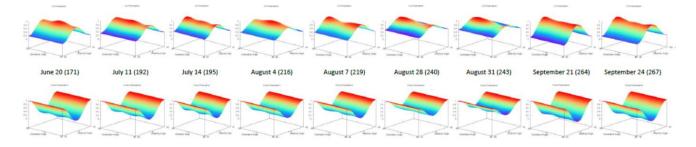
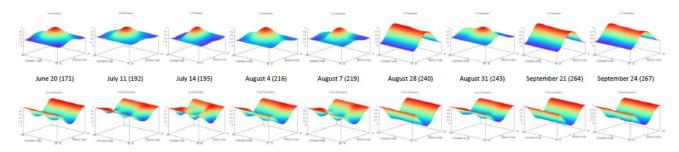


Figure B5. Wheat co-polarization (Top) and cross-polarization (Bottom) signatures.



Supplementary C—Cloude-Pottier H/\alpha Decomposition Plots

Figure C1. Barley cloude-pottier decompositions for (a) 20 June; (b) 11 July; and (c) 14 July.

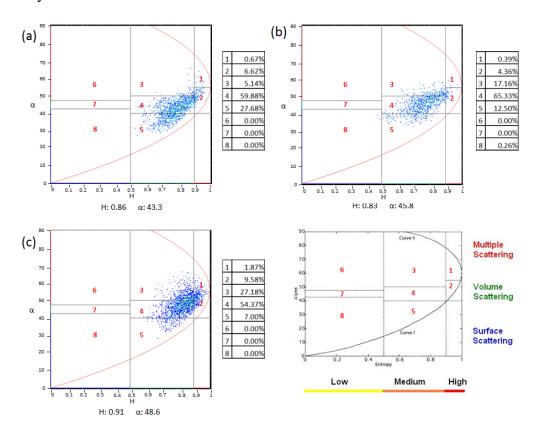


Figure C2. Barley cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

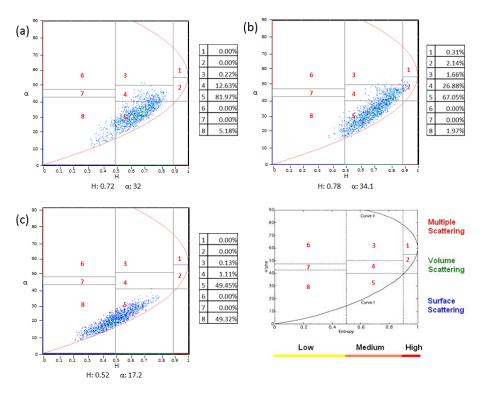


Figure C3. Barley cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.

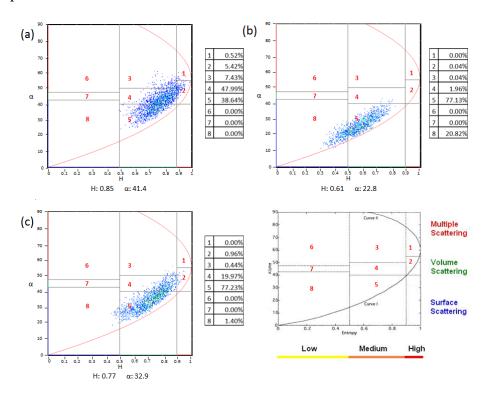


Figure C4. Canola cloude-pottier decompositions for (a) 20 June; (b) 11 July; and (c) 14 July.

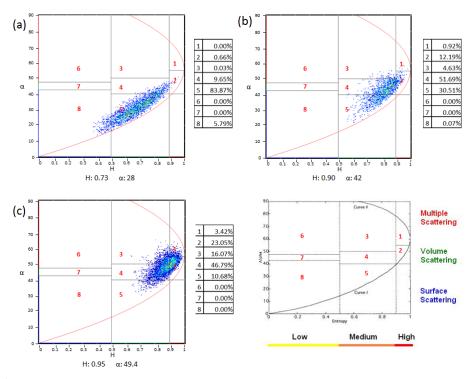


Figure C5. Canola cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

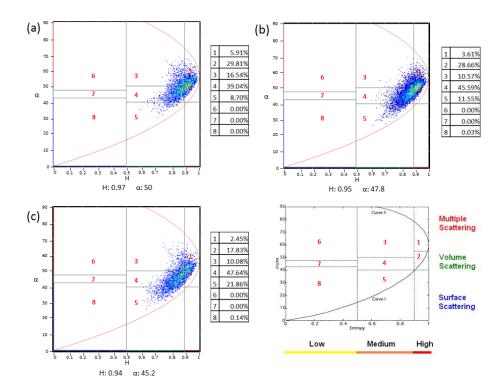


Figure C6. Canola cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.

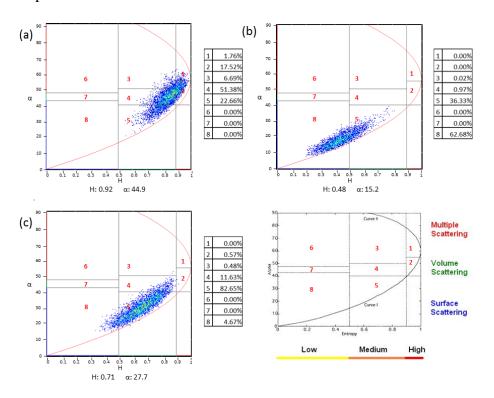


Figure C7. Oat cloude-pottier decompositions for (a) 20 June; (b) 11 July; and (c) 14 July.

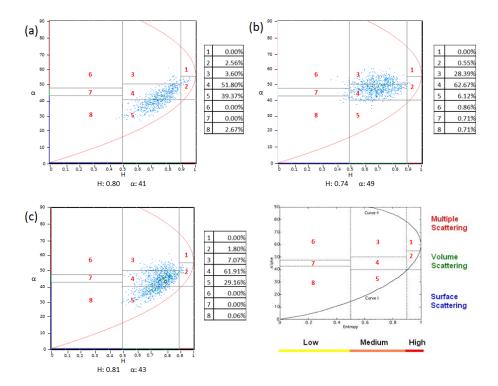


Figure C8. Oat cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

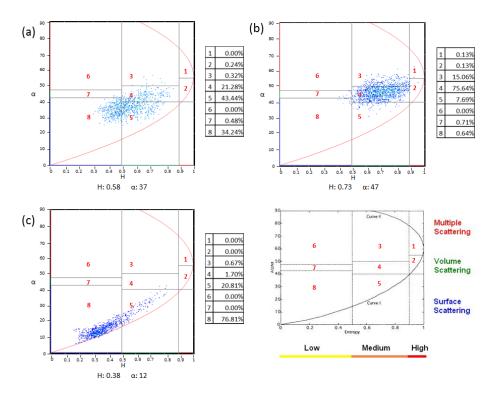


Figure C9. Oat cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.

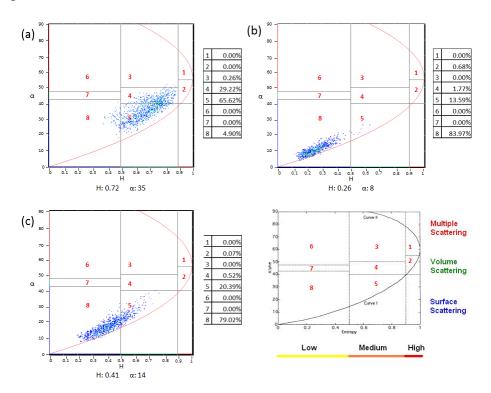


Figure C10. Soybean cloude-pottier decompositions for (a) 20 June; (b) 11 July; and (c) 14 July.

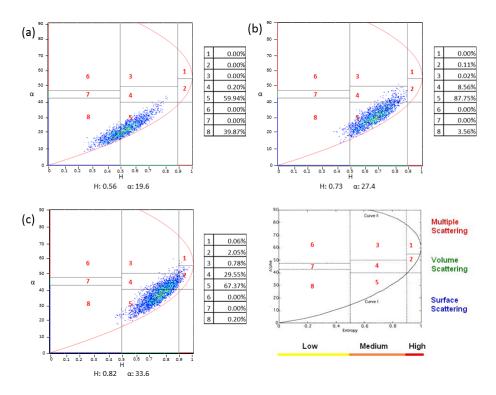


Figure C11. Soybean cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

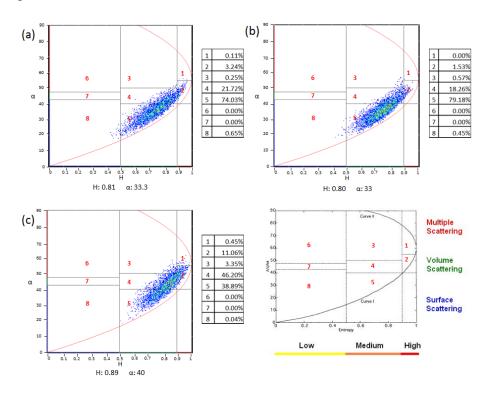


Figure C12. Soybean cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.

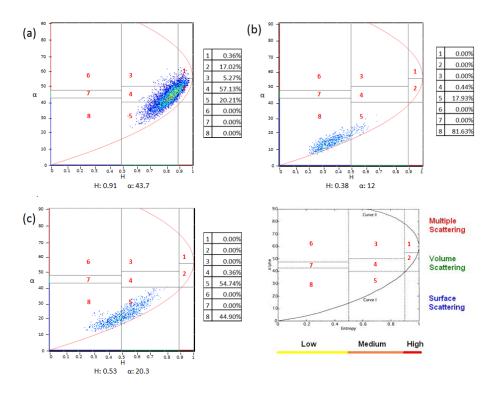


Figure C13. Wheat cloude-pottier decompositions for (a) 20 June; (b) 11 July; and (c) 14 July.

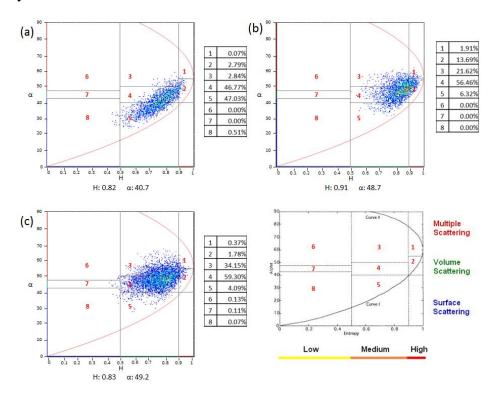


Figure C14. Wheat cloude-pottier decompositions for (a) 4 August; (b) 7 August; and (c) 28 August.

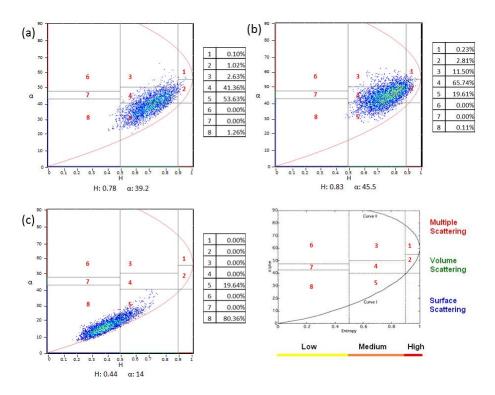
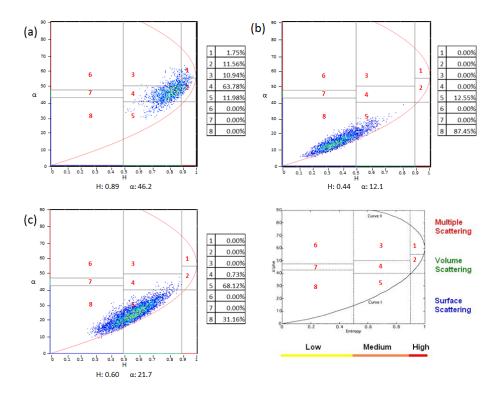


Figure C15. Wheat cloude-pottier decompositions for (a) 31 August; (b) 21 September; and (c) 24 September.



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