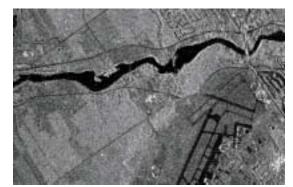
Extending SAI	R capabil Single polarization	ities Double polarization	Quad polarization	High Resolution
Marine Ship detection Oil spill detection Coastline mapping Ocean features	i		i	:
Sea ice Ice edge/ concentration Ice type Iceberg detection	:	:	:	:
Agriculture Crop type Crop damage Tillage practice Soil Moisture			•	1
Hydrology Flood mapping Soil moisture Snow mapping Wetland mapping	1			:
Geology Structure Lithology	:	:	:	:
Forestry Clear cut mapping Burn detection	:	:	:	:
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Top: Ultra-Fine mode simulation image of Ottawa, Ontario, resolution of three meters. (© CCRS. Acquired by CV-580 C-band SAR. Processed by CCRS.) Bottom: RADARSAT-1 Standard mode image, resolution of 25 meters. (© CSA. Received by CCRS. Processed and delivered by RSI.)



Colour composite image (HH, VV and HV polarizations) of agricultural fields in Southern Manitoba. (© CCRS. Acquired by CV-580 C-band SAR. Processed and provided by CCRS.)



Touzi Polarization Entropy image, generated with polarimetric data. (© CCRS. Acquired by CV-580 C-band SAR. Processed and provided by CCRS.)