

MDA GEOSPATIAL SERVICES  
RADARSAT-2 POLARIMETRY TABLE

Beam Mode	Nominal Resolution (m)	Scene Size (km x km)	Scene Area (km <sup>2</sup> )	Polarization Options							
				Single Pol				Dual Pol		Quad Pol	
				HH	VV	HV	VH	HH+HV	VV+VH	HH +VV +HV +VH	
Spotlight A	<1	18 x 8	144	x	x	x	x				
Ultra-Fine	3	20 x 20	400	x	x	x	x				
Wide Ultra-Fine	3	50 x 50	1,250	x	x	x	x				
Extra-Fine	5	125 x 125	15,625	x	x	x	x				
Multi-Look Fine	8	50 x 50	2,500	x	x	x	x				
Wide Multi-Look Fine	8	90 x 50	4,500	x	x	x	x				
Fine	8	50 x 50	2,500	x	x	x	x	x	x		
Wide Fine	8	150 x 150	25,500	x	x	x	x	x	x		
Fine Quad-Pol	8	25 x 25	625							x	
Wide Fine Quad-Pol	8	50 x 25	1,250							x	
Standard	25	100 x 100	10,000	x	x	x	x	x	x		
Extended High	25	75 x 75	5,625	x							
Extended Low	25	170 x 170	28,900	x							
Standard Quad-Pol	25	25 x 25	625							x	
Wide Standard Quad-Pol	25	50 x 25	1,250							x	
Wide	30	150 x 150	22,500	x	x	x	x	x	x		
ScanSAR Narrow	50	300 x 300	90,000	x	x	x	x	x	x		
ScanSAR Wide	100	500 x 500	250,000	x	x	x	x	x	x		
Ship Detection	Var.	450 x 500	225,000	x	x	x	x				
Ocean Surveillance	Var.	530 x 500	265,000	x	x	x	x	x	x		

Notes:

1. Polarization options available for each Beam Mode are indicated (x). Polarization is shown as Transmit - Receive with H = Horizontal and V = Vertical.
2. Single Pol is "co-polarized" - same polarization on both transmit and receive (HH or VV) or "cross-polarized" - one polarization on transmit and the other on receive (HV or VH).
3. Two scenes are provided with the Dual Pol option and four scenes are provided with the Quad Pol option.
4. Resolution and Scene Size are nominal values and vary with Incidence Angle and other parameters.
5. All operating modes and product characteristics are subject to change. Some restrictions may apply.

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