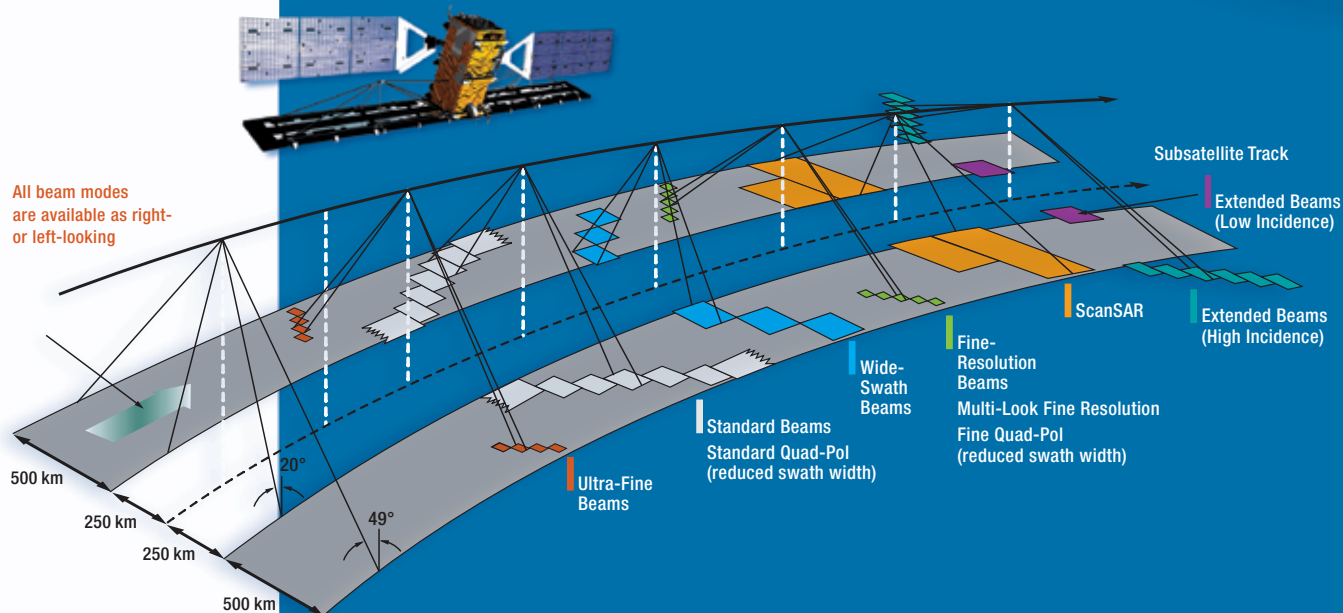


Operating in **C-band**, **RADARSAT-2** ensures continuity of all RADARSAT-1 beam modes, while offering powerful new capabilities, including higher resolution and a full range of polarization options.

# A new era in Earth observation



## BEAM MODE

|   |                   | APPROXIMATE INCIDENCE ANGLE | NOMINAL SWATH WIDTH | APPROXIMATE RESOLUTION <sup>1</sup> | NUMBER OF LOOKS |
|---|-------------------|-----------------------------|---------------------|-------------------------------------|-----------------|
| <b>Selective Polarization</b><br>transmit H or V<br>receive H and/or V                      | Fine              | 37°- 49°                    | 50 km               | 10 x 9 m                            | 1 x 1           |
|   | Standard          | 20°- 49°                    | 100 km              | 25 x 28 m                           | 1 x 4           |
|   | Low Incidence     | 10°- 23°                    | 170 km              | 40 x 28 m                           | 1 x 4           |
|   | High Incidence    | 50°- 60°                    | 70 km               | 25 x 28 m                           | 1 x 4           |
|   | Wide              | 20°- 45°                    | 150 km              | 25 x 28 m                           | 1 x 4           |
|   | ScanSAR Narrow    | 20°- 46°                    | 300 km              | 50 x 50 m                           | 2 x 2           |
|   | ScanSAR Wide      | 20°- 49°                    | 500 km              | 100 x 100 m                         | 4 x 4           |
| <b>Polarimetric</b><br>transmit H and V on alternate pulses<br>receive H and V on any pulse | Fine Quad-Pol     | 20°- 41°                    | 25 km               | 11 x 9 m                            | 1 x 1           |
|   | Standard Quad-Pol | 20°- 41°                    | 25 km               | 25 x 28 m                           | 1 x 4           |
| <b>Selective Single Polarization</b><br>transmit H or V<br>receive H or V                   | Ultra-Fine        | 30°- 40°                    | 20 km               | 3 x 3 m                             | 1 x 1           |
|   | Multi-Look Fine   | 30°- 50°                    | 50 km               | 11 x 9 m                            | 2 x 2           |

1. Ground range by azimuth