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Correction to “Estimation of the OSCAT Spatial Response Function Using Island Targets”

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In the above paper [1] there are errors in Table I. The corrected table is published here.

TABLE I
COMPARATIVE SUMMARY OF MAJOR CHARACTERISTICS OF QUIKSCAT AND OSCAT [24]

Parameter	QuikSCAT		OSCAT	
Antenna Type	Dual-feed Parabolic (1.0 m diameter)		Dual-feed Parabolic (1.0 m diameter)	
Orbital Period	101 min (14.25 orbits/day)		99.31 min (14.5 orbits/day)	
Satellite Altitude	803 km at equator		720 km at equator	
Frequency	13.402 GHz		13.515 GHz	
Wavelength	0.0224 m		0.0221 m	
Scan Rate	18 rpm		20.5 rpm	
PRF (per beam)	92.5 Hz		96.5 Hz	
Start Date	June 19, 1999		Sept. 23, 2009	
End Date	Nov. 23, 2009		—	
	Inner Beam	Outer Beam	Inner Beam	Outer Beam
Polarization	HH	VV	HH	VV
Slant Range	1100 km	1245 km	1031 km	1208 km
Incidence Angle	46°	54°	49°	57°
Swath Width	1400 km	1800 km	1400 km	1836 km
One-way Beamwidth (Az × El)	1.8° × 1.6°	1.7° × 1.4°	1.47° × 1.62°	1.39° × 1.72°
One-way Footprint (km) (Az × El)	35.0 × 44.0	37.0 × 52.0	26.8 × 45.1	29.7 × 68.5

REFERENCES

- [1] J. P. Bradley and D. G. Long, “Estimation of the OSCAT spatial response function using island targets,” *IEEE Trans. Geosci. Remote Sens.*, vol. 51, no. 4, pp. 1924–1934, Apr. 2014.

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