

Table 1: Classification accuracy improvement for ALOS-1-PALSAR Mumbai

Class	No filter	Boxcar	Improved Sigma	IDAN	Proposed filter
Settelment	82.00	99.82	98.43	92.23	91.80
Water	98.81	100.00	100.00	100.00	100.00
Forest	81.23	98.28	99.27	96.49	96.69
Mangroves	69.30	99.71	100.00	99.57	98.92
Bare Soil	81.86	100.00	100.00	99.64	99.29