

















	 EMR Units Airborne and satellite imaging systems record the amount of EMR being reflected or emitted from a target Amount of EMR reaching a sensor is in one of the following units: 		
	TERM	UNIT	DESCRIPTION
	radiant energy (Q)	joule	energy per quanta
	radiant flux (ø)	watt (joule.second-1)	energy per unit time
A STATE	Radiant flux density		
	irradiance (E,Q)	watt.m ⁻²	incident flux per unit area over all angles
	radiance (L)	watt.m ⁻² .sr ⁻¹	incident flux per unit area at specific solid/3-D angle
	spectral radiance (L)	watt.m ⁻² .sr ⁻¹ .µm ⁻¹	incident flux per unit area at specific angle over a set range of wavelengths
E	NV202 – Introductory Remote S	ensing Wk 2	Source: S. Phinn 10



























