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Estimating the magnitude of pixel- level uncertainty (e.g., in radiance)	Worst-case combination of uncertainty from error sources to compared against a (generally) aggregated total uncertainty requirement. Deliberately pessimistic to ensure compliance and acceptance.	Individual models/calculations of uncertainty from error sources, traceably documented per error source. Realistic combination to inform expected in-flight characteristics.
Characterising the error-correlation structure across pixels and channels	Only in response to specific relevant requirements (e.g. cross-talk limits). Not considered for many error sources.	Integral part of uncertainty characterisation for all error sources

in Phase B-D			
Aspect	Compliance focus	Metrology focus	
Traceably documenting uncertainty nformation	Documentation focused on acceptance milestones. Results perhaps mixed with commercially sensitive and confidential material, usually not available in a form supporting traceability	Documentation freely available and organised such as to support systematic traceability	
Dissemination of understanding of error sources to users	Not actively or systematically attempted generic information may be published. Not quantitatively integrated into satellite products	Understanding is embedded in product processing chain in order to include quantitative uncertainty information directly in satellite products at L1	







