

ERRATUM

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Erratum: Kinetic inductance detectors for the OLIMPO experiment: design and pre-flight characterization

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1 Changes

Table 1 would have to be changed with the following. There was a mistake in the evaluation of NET_{CMB} .

OLIMPO configuration	Photometric				Spectrometric			
Channel [GHz]	150	250	350	460	150	250	350	460
Background Power [pW]	2.7	14	4.9	13	7.6	50	15	33
optical NEP [$\text{aW}/\sqrt{\text{Hz}}$]	65	140	90	140	110	260	160	240
optical NET_{CMB} [$\mu\text{K}\sqrt{\text{s}}$]	110	110	850	3300	190	550	1400	5200
optical NET_{RJ} [$\mu\text{K}\sqrt{\text{s}}$]	60	30	70	60	110	60	120	110

Table 3 would have to be changed with the following. There was a mistake in the units of “Range”.

Channel [GHz]	# of pixels	Resonant frequencies				Maximum non-uniformity in the inductor current distribution	
		Range [MHz]	Bandwidth [MHz]	Spacing [MHz]		First pixel	Last pixel
				1-2	Average		
150	23	[120; 220]	100	5	4.3	5%	9%
250	39	[125; 300]	175	5	4.5	4%	10%
350	25	[305; 420]	115	5	4.6	15%	10%
460	43	[230; 445]	215	5	5	13%	18%

These changes do not affect the results and the conclusion.