

# LiteBIRD r statistics

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Case	Moments	Parameters
NILC	$f_{\text{CMB}}$	1
cMILC01	$f_{\text{CMB}} ; f_{\text{sync}}$	2
cMILC02	$f_{\text{CMB}} ; f_{\text{dust}}$	2
cMILC03	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}}$	3
cMILC04	$f_{\text{CMB}} ; f_{\text{dust}} ; \frac{df_{\text{dust}}}{d\beta}$	3
cMILC05	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}} ; \frac{df_{\text{sync}}}{d\beta}$	4
cMILC06	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}} ; \frac{df_{\text{dust}}}{d\beta}$	4
cMILC07	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}} ; \frac{df_{\text{sync}}}{d\beta} ; \frac{df_{\text{dust}}}{d\beta}$	5
cMILC08	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}} ; \frac{df_{\text{sync}}}{d\beta} ; \frac{df_{\text{dust}}}{d\beta} ; \frac{df_{\text{dust}}}{dT}$	6
cMILC12	$f_{\text{CMB}} ; f_{\text{sync}} ; f_{\text{dust}} ; \frac{df_{\text{sync}}}{d\beta} ; \frac{df_{\text{dust}}}{d\beta}$ (H)	5

Case	Alens	$r_{\text{bias}}$	$\sigma_r$	$r_{95}$	SNR
NILC	0.0	0.00388	0.00056	NaN	6.95167
	0.4	0.00338	0.00081	NaN	4.20149
	1.0	0.00306	0.00113	NaN	2.70310
cMILC01	0.0	0.00340	0.00068	NaN	4.97819
	0.4	0.00312	0.00091	NaN	3.44045
	1.0	0.00290	0.00121	NaN	2.39250
cMILC02	0.0	0.00364	0.00057	NaN	6.33177
	0.4	0.00309	0.00082	NaN	3.75290
	1.0	0.00269	0.00115	NaN	2.33980
cMILC03	0.0	0.00303	0.00071	NaN	4.26918
	0.4	0.00270	0.00094	NaN	2.88393
	1.0	0.00243	0.00124	0.00497	1.96202
cMILC04	0.0	0.00257	0.00120	NaN	2.13785
	0.4	0.00247	0.00140	0.00535	1.76254
	1.0	0.00239	0.00168	0.00584	1.41866
cMILC05	0.0	0.00723	0.00234	NaN	3.09412
	0.4	0.00692	0.00255	NaN	2.71322
	1.0	0.00655	0.00286	NaN	2.29287
cMILC06	0.0	0.00083	0.00146	0.00383	0.57155
	0.4	0.00088	0.00164	0.00424	0.53776
	1.0	0.00095	0.00190	0.00485	0.50343
cMILC07	0.0	0.00141	0.00460	0.01086	0.30744
	0.4	0.00142	0.00477	0.01122	0.29738
	1.0	0.00143	0.00503	0.01177	0.28448
cMILC08	0.0	0.00036	NaN	NaN	NaN
	0.4	0.00036	NaN	NaN	NaN
	1.0	0.00036	NaN	NaN	NaN
cMILC12	0.0	0.00066	0.00201	0.00478	0.33001
	0.4	0.00067	0.00224	0.00527	0.29971
	1.0	0.00068	0.00257	0.00595	0.26448