

# The extended Baryon Oscillation Spectroscopic Survey: Variability selection and quasar luminosity function (*Corrigendum*)

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An error occurred in Tables 6 and 7 during the production process.  
The correct tables are published below.

**Table 6.** Predicted differential quasar counts over  $15.5 < g < 25$  and  $0 < z < 6$  for a survey covering  $10\,000 \text{ deg}^2$ , based on our best-fit PLE or PLE+LEDE luminosity function model.

$g \setminus z$	PLE model						Total
	0.5	1.5	2.5	3.5	4.5	5.5	
15.75	26	2	10	0	0	0	38
16.25	58	8	33	0	0	0	100
16.75	143	39	87	3	0	0	272
17.25	386	180	231	10	0	0	806
17.75	1134	813	626	26	0	0	2599
18.25	3396	3468	1727	68	0	0	8660
18.75	8930	12 525	4780	179	0	0	26 413
19.25	17 963	32 977	12 319	462	1	0	63 722
19.75	28 172	61 064	26 357	1170	3	0	116 766
20.25	38 732	90 121	45 742	2827	7	0	177 430
20.75	50 756	121 102	68 898	6299	18	0	247 074
21.25	65 550	157 999	95 351	12 540	47	0	331 487
21.75	84 300	204 485	125 298	22 098	120	0	436 302
22.25	108 276	264 163	159 894	35 046	301	1	567 680
22.75	138 990	341 219	201 144	51 351	737	3	733 442
23.25	178 321	440 913	251 597	70 978	1722	7	943 538
23.75	228 612	570 015	314 273	93 793	3739	17	1 210 449
24.25	292 750	737 314	392 821	119 723	7357	42	1 550 006
24.75	374 172	954 240	491 772	149 132	13 010	106	1 982 433
Total	1 620 667	3 992 648	2 192 958	565 706	27 062	175	8 399 216
$g \setminus z$	PLE+LEDE model						Total
	0.5	1.5	2.5	3.5	4.5	5.5	
15.75	35	5	1	0	0	0	42
16.25	82	20	5	0	0	0	108
16.75	200	77	20	1	0	0	298
17.25	519	291	76	3	0	0	889
17.75	1402	1088	287	10	0	0	2787
18.25	3758	3887	1065	35	0	0	8745
18.75	9092	12 345	3737	117	0	0	25 291
19.25	17 972	31 289	11 415	382	1	0	61 059
19.75	28 629	59 594	27 445	1163	4	0	116 836
20.25	39 554	90 405	50 511	3077	13	0	183 560
20.75	51 163	121 609	76 197	6648	36	1	255 653
21.25	64 559	155 923	103 193	11 780	97	2	335 554
21.75	80 771	196 666	133 441	18 077	242	4	429 201
22.25	100 758	246 795	169 698	25 349	543	9	543 153
22.75	125 546	309 293	214 695	33 716	1063	21	684 334
23.25	156 321	387 578	271 321	43 594	1820	46	860 680
23.75	194 486	485 819	342 970	55 625	2799	93	1 081 792
24.25	241 694	609 219	433 845	70 598	3989	173	1 359 518
24.75	299 797	764 319	549 267	89 454	5393	291	1 708 521
Total	1 416 338	3 476 223	2 389 189	359 629	16 003	640	7 658 021

**Notes.** Bins are centered on the indicated magnitude and redshift values. The ranges in each bin are  $\Delta g = 0.5$  and  $\Delta z = 1$ .

**Table 7.** Predicted differential quasar counts over  $15.5 < r < 24$  and  $0 < z < 6$  for a survey covering  $10\,000 \text{ deg}^2$ , based on our best-fit PLE or PLE+LEDE luminosity function model.

$r \setminus z$	PLE model						Total
	0.5	1.5	2.5	3.5	4.5	5.5	
15.75	54	5	14	0	0	0	73
16.25	127	23	41	3	0	0	194
16.75	323	104	108	9	0	0	544
17.25	860	469	290	25	1	0	1644
17.75	2316	2009	793	64	2	0	5185
18.25	5854	7439	2204	167	5	0	15 669
18.75	12 619	21 145	5994	432	12	1	40 203
19.25	22 090	44 412	14 675	1100	31	2	82 311
19.75	32 538	72 781	29 834	2700	80	5	137 938
20.25	43 787	102 680	50 203	6208	201	12	203 090
20.75	57 009	136 093	74 188	12 952	502	30	280 774
21.25	73 477	176 857	101 326	24 039	1217	75	376 990
21.75	94 414	228 620	132 051	39 635	2811	189	497 720
22.25	121 186	295 216	167 766	58 919	6038	470	649 595
22.75	155 438	381 240	210 616	80 786	11 825	1144	841 048
23.25	199 196	492 527	263 236	104 700	20 944	2660	1 083 262
23.75	254 945	636 610	328 743	131 042	33 694	5769	1 390 804
Total	1 076 235	2 598 227	1 382 081	462 783	77 360	10 356	5 607 043
$r \setminus z$	PLE+LEDE model						Total
	0.5	1.5	2.5	3.5	4.5	5.5	
15.75	74	12	2	0	0	0	88
16.25	173	46	8	1	0	0	227
16.75	425	173	29	3	0	0	630
17.25	1063	645	109	11	1	0	1830
17.75	2637	2318	407	37	3	1	5404
18.25	6171	7534	1476	119	10	3	15 314
18.75	12 760	20 293	4934	380	27	7	38 401
19.25	22 256	42 853	14 012	1146	71	15	80 354
19.75	33 079	72 019	31 432	3068	182	33	139 813
20.25	44 377	102 993	55 189	6846	432	69	209 907
20.75	56 787	135 480	81 153	12 487	915	133	286 955
21.25	71 385	172 381	108 661	19 287	1689	232	373 634
21.75	89 178	216 865	139 912	26 781	2731	367	475 834
22.25	111 154	271 898	177 682	35 182	3976	534	600 426
22.75	138 390	340 627	224 720	45 094	5393	732	754 956
23.25	172 133	426 753	283 998	57 240	7015	962	948 101
23.75	213 829	534 834	359 048	72 418	8921	1234	1 190 284
Total	975 871	2 347 722	1 482 773	280 101	31 368	4322	5 122 156

**Notes.** Bins are centered on the indicated magnitude and redshift values. The ranges in each bin are  $\Delta g = 0.5$  and  $\Delta z = 1$ .