

zh_1to10_b0_z_updated					
age	view	sep.kpc	sigma	sigma.inf	sigma.sup
0.0	z	2271.3338289999997	772.0379284	49.93113937	56.29299139
0.4	z	1831.557505	833.0361736000001	52.59914647	48.64382726
0.6	z	1414.548949	799.3672721	51.92243822	47.34722178
0.8	z	835.4953841	709.4420567000001	40.90633022	42.73083879
1.0	z	137.31584569999998	689.8103477000001	41.79684481	46.40975949
1.02	z	65.65819467	693.12883	42.04244212	41.12831125
1.04	z	43.6721602	698.4277900000001	50.32199958	46.99040776
1.06	z	107.9988445	705.8778168	43.27621512	42.84510832
1.08	z	178.6722123	717.2431015999999	42.37924215	47.12680561
1.1	z	253.9701952	728.7393555	46.05318678	49.50318492
1.12	z	316.2395977	739.6386797	46.30347357	44.26537687
1.14	z	373.3477998	750.7663012	44.13750704	54.21947725
1.16	z	426.24161119999997	764.0983382000001	44.89149334	50.67236152
1.18	z	475.33043310000005	777.4358327000001	49.35744965	48.70221093
1.2	z	521.056474	789.8946221	46.51427201	47.6059868
1.3	z	693.2652469	793.9592646000001	47.59087673	45.22017864
1.4	z	789.5759461	772.9432697999999	53.55521589	46.66479291
1.5	z	854.0632037999999	758.9736997	45.32272623	44.31882989
1.6	z	907.6560413999999	720.4119186	43.52354898	44.86667921
1.7	z	947.9277385	701.5367159	38.16467715	41.53125314
1.8	z	981.3301794	690.8470509	46.21753337	40.08118815
1.9	z	994.2427733999999	675.6149445	42.12217909	42.92778458
2.0	z	1003.476048	653.514038	37.55864075	41.09999893
2.2	z	963.8489973	629.5097871	36.078500700000006	36.91972464
2.4	z	855.1986195000001	614.7124451000001	34.72561862	38.73228508
2.6	z	659.5009185	624.1100127999999	37.66952944	36.74504408
2.8	z	364.4273523	711.9619205	41.62724887	42.42299565
3.0	z	97.31280926	765.9032802999999	46.13010282	46.04012672
3.2	z	471.12255610000005	763.6603016	45.18823241	48.93705764
3.3	z	603.9569217000001	759.3775264999999	43.35870008	45.82637739
3.4	z	692.4072448	746.9762335	42.48507236	44.96884926
3.5	z	772.1326497	730.7280381	45.60838163	45.6294098
3.52	z	783.2591110000001	728.2412405	43.4651901	46.91867307
3.54	z	793.9503232000001	724.9947842	45.05997962	47.64472195
3.56	z	802.6161075	722.0345999	41.92725401	46.00483509
3.58	z	812.7407364000001	711.7569637999999	44.54059922	45.57824896
3.6	z	822.2974142	711.1779498	42.47218403	43.68539156
3.62	z	831.7769211	713.2229136	47.97126011	40.225094299999995
3.64	z	839.3844360999999	716.8169544	41.92399585	45.33661333
3.66	z	846.0965022	723.449637	40.15625616	45.63986703
3.68	z	848.8875193	729.78137	44.70108992	43.38787007
3.7	z	848.8192751	739.1302699	44.99646926	46.33300565
3.8	z	836.4885411	793.175893	45.92122906	51.25168181
3.9	z	800.9937708	805.9037496000001	45.49864565	52.51651807
4.0	z	744.0571173	800.1443544	45.91264096	50.58041116
4.1	z	657.4840479	802.0857336	46.79212498	51.62448268
4.2	z	550.4622202	800.0947771000001	44.43359957	47.19572345
4.4	z	230.5735934	796.7265153	52.27024068	44.78885369
4.6	z	243.78807719999998	779.0533167	47.40856408	50.1311055
4.8	z	575.0895929999999	770.741014	45.72685325	45.01661061

zh_1to10_b0_z_updated				
sigma.1	sigma.1.inf	sigma.1.sup	sigma.2	
836.8353509	52.93561226	56.88860358	352.9615043	
890.9972801000001	51.8350316	51.86295141	441.11706	
855.5012176000001	51.16581209	52.37954424	430.73530650000004	
760.3293832	50.51761898	44.40243293	382.69700639999996	
723.9275867	41.92163124	43.16690967	521.5505038	
721.0931168999999	42.37779361	42.87157067	561.9830782	
718.2155502999999	42.2231847	40.04124369	610.973748	
715.7148291	48.36148857	44.20698346	668.1599504	
715.2734959	42.72447684	43.11257444	731.6699756	
710.5000596	40.38108796	41.68255514	806.9970846	
712.122404	46.03193805	45.89930386	851.2150276000001	
717.9456092	43.64823276	44.13363169	879.5064638	
726.0738766	42.89414498	41.0898414999999	911.0898414999999	
735.8817978	44.22617834	50.88115545	937.9732582999999	
747.1172125	42.67343152	44.85865176	959.2599951999999	
783.1145041	42.03909253	48.30048155	850.7647336000001	
790.791852	49.450961299999996	52.28170615	703.6874432	
792.366137	51.16667542	50.38327594	601.7658991000001	
760.3766281000001	49.73661155	49.02352401	521.6648488	
747.0286455	46.14180581	48.52746363	462.57450930000005	
739.8772849	44.66807615	47.00968691	417.6724846	
726.6874421	47.13372445	47.73822856	385.142775	
703.975978	40.72646352	43.67219429	369.08768510000004	
672.0024639	37.85304267	47.71040679	324.8038125	
652.0298136	36.13057145	44.51581932	302.2588264	
655.2318658	40.15125934	41.135751700000001	311.9731425	
730.1498303999999	42.61816507	44.58706183	501.9427624	
779.4461189	52.482191099999994	49.65855205	591.1096236000001	
773.8287173	49.72746698	46.84665998	645.3531186	
758.1524812999999	42.17402915	45.68715466	812.4599668999999	
747.7690807999999	43.80542323	43.69366731	772.4213505	
735.5504694	47.43007332	50.53945345	694.8350928	
733.0219432	41.73664819	50.20376529	692.0582955	
730.28759	44.21150512	42.86499584	682.8234775000001	
728.5071415	42.43115908	41.83555021	677.5256195000001	
727.4257468999999	45.73663617	46.51226837	587.1188561	
727.8519572	40.90905464	48.01313807	575.5709128	
731.362043	39.25202969	41.98386212	562.8380591	
736.5611357999999	49.65482216	52.33044949	551.1136482000001	
745.061874	45.15262015	52.77190297	534.4826575000001	
753.1219123999999	43.04850959	46.42827629	519.5595588	
762.7891998	42.69878886	44.05648737	514.3895169	
810.4892573	53.00096959	48.7172099	677.6870551	
834.125202	52.71137384	51.35920457	579.9690865	
818.466179	52.21116227	53.89348613	675.8368927	
821.9708696	48.03760322	58.51568209	676.9040722	
819.9754207999999	48.62569603	56.60389143	678.7392505	
817.3550756	46.83300092	50.99171021	690.9797372	
792.6443387	48.92416187	56.06826052	678.0036781	
758.7997253	43.27697689	43.83952712	893.6264941	

zh_1to10_b0_z_updated							
sigma.2.inf	sigma.2.sup	delta.t	M1	M1.e			
23.33597221	21.06786375	-1.04	600000000000000.0	600000000000000.0			
25.33938483	26.98891513	-0.64	600000000000000.0	600000000000000.0			
25.26406556	31.14413566	-0.44	600000000000000.0	600000000000000.0			
27.13376879	23.84599029	-0.24	600000000000000.0	600000000000000.0			
30.26547052	31.89261123	-0.04	600000000000000.0	600000000000000.0			
35.02940906	32.86645186	-0.02	600000000000000.0	600000000000000.0			
34.05254873	39.44204395	0.0	600000000000000.0	600000000000000.0			
41.55461702	38.38762622	0.02	600000000000000.0	600000000000000.0			
42.85050222	48.27464019	0.04	600000000000000.0	600000000000000.0			
50.75824142	47.58363449	0.06	600000000000000.0	600000000000000.0			
49.60476235	51.2135401	0.08	600000000000000.0	600000000000000.0			
50.68317828	60.07510518	0.1	600000000000000.0	600000000000000.0			
55.9635547	53.70139973	0.12	600000000000000.0	600000000000000.0			
60.06448743	59.73274488	0.14	600000000000000.0	600000000000000.0			
54.28651126	58.27933667	0.16	600000000000000.0	600000000000000.0			
52.63652760000001	50.87975125	0.26	600000000000000.0	600000000000000.0			
41.678626	41.59376537	0.36	600000000000000.0	600000000000000.0			
40.95524083	43.15578418	0.46	600000000000000.0	600000000000000.0			
31.70167341	31.27111004	0.56	600000000000000.0	600000000000000.0			
29.62081174	26.241143199999996	0.66	600000000000000.0	600000000000000.0			
28.04340835	27.61525899	0.76	600000000000000.0	600000000000000.0			
22.2499267	22.71374978	0.86	600000000000000.0	600000000000000.0			
24.17473724	21.655682000000002	0.96	600000000000000.0	600000000000000.0			
17.21858319	22.10338901	1.16	600000000000000.0	600000000000000.0			
16.58329441	17.63921341	1.36	600000000000000.0	600000000000000.0			
18.01699072	18.17151062	1.56	600000000000000.0	600000000000000.0			
33.2249351	32.02882577	1.76	600000000000000.0	600000000000000.0			
35.09912244	35.995614200000006	1.96	600000000000000.0	600000000000000.0			
40.31598885	39.21767461	2.16	600000000000000.0	600000000000000.0			
51.89588849	48.14315068	2.26	600000000000000.0	600000000000000.0			
46.57991062	46.7574692	2.36	600000000000000.0	600000000000000.0			
39.88881688	42.65040408	2.46	600000000000000.0	600000000000000.0			
39.21932065	46.080289799999996	2.48	600000000000000.0	600000000000000.0			
43.29754636	41.078977200000004	2.5	600000000000000.0	600000000000000.0			
41.13504239	41.22609323	2.52	600000000000000.0	600000000000000.0			
35.74945765	36.34316175	2.54	600000000000000.0	600000000000000.0			
34.07731922	40.22187577	2.56	600000000000000.0	600000000000000.0			
30.60740043	35.36720988	2.58	600000000000000.0	600000000000000.0			
31.36985289	35.45254453	2.6	600000000000000.0	600000000000000.0			
29.55316192	43.21658662	2.62	600000000000000.0	600000000000000.0			
33.32113845	31.70770279	2.64	600000000000000.0	600000000000000.0			
29.309034499999996	36.13890398	2.66	600000000000000.0	600000000000000.0			
39.11427657	41.59145233	2.76	600000000000000.0	600000000000000.0			
36.10274804	36.09897345	2.86	600000000000000.0	600000000000000.0			
41.95872423	40.720912799999994	2.96	600000000000000.0	600000000000000.0			
39.65800206	42.89009622	3.06	600000000000000.0	600000000000000.0			
39.48101846	42.09726194	3.16	600000000000000.0	600000000000000.0			
41.99656871	43.92303338	3.36	600000000000000.0	600000000000000.0			
44.29831493	41.81256478	3.56	600000000000000.0	600000000000000.0			
49.70995526	51.16669383	3.76	600000000000000.0	600000000000000.0			

zh_1to10_b0_z_updated							
M2	M2.e	z1	z1.e	z2	z2.e	sep.Mpc	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	2.271333829	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	1.831557505	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	1.414548949	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8354953841	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.1373158457	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.06565819467	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.0436721602	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.1079988445	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.1786722123	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.25397019519999997	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.3162395977	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.3733477998	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.4262416112	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.4753304331	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.521056474	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.6932652469	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.7895759461	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8540632038	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.9076560414	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.9479277384999999	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.9813301794	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.9942427734	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	1.003476048	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.9638489973000001	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8551986195	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.6595009185	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.36442735229999995	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.09731280926000001	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.4711225561	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.6039569217	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.6924072448	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.7721326497	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.7832591109999999	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.7939503231999999	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8026161075	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8127407364	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8222974142	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8317769211	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8393844361	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8460965022	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8488875193000001	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8488192751000001	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8364885411	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.8009937708	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.7440571173	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.6574840479	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.5504622202	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.2305735934	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.24378807719999998	
600000000000000.0	600000000000000.0	0.05	5	0.05	5	0.575089593	

zh_1to10_b0_z_updated			
M1p	M1p.lower	M1p.upper	M2p
603038668033116.2	545120561348180.5	664957314154274.9	60234911335260.89
602795412623343.0	546197903586372.0	659084912579815.4	60135636044844.53
600487516076685.2	540031457847906.9	666148561837283.0	60032578311745.57
598753943717162.8	542821145587350.0	656598288007197.4	60317701229751.72
602481814585587.2	543214824595572.75	662724659993699.4	59840656514367.28
604482720233987.8	544176853923055.2	661731925306977.6	59545443764547.68
601169790160935.0	543229989026783.94	659502365182514.2	59960702260156.89
598009987380818.5	537569628075513.1	657952462911208.8	6,01774473338541E+016
597444906468240.1	540545561990689.1	656744973869161.9	5,96192260139794E+016
599473111803939.0	544441391716098.25	658078826484445.1	6,0017969364907E+016
603043009624477.5	543536986322054.1	661557962871821.0	60453832706858.11
596574037863329.9	539172446781078.8	658740101390849.9	599808214234359.09
603225141265722.2	545730209993304.94	663393939383029.5	59916172681683.56
603641216688809.5	541642234207082.75	663943872731741.9	60177196167046.17
596846931478737.8	536987594097714.9	660648138116900.0	60080035414253.0
600657998539781.5	541877606567640.25	664758287422051.2	60334075720148.86
604679492595638.8	5465432596308145.4	664808688748934.0	60046864321463.81
606848059932520.4	542222782248299.75	660920550326967.6	59865853458726.56
600495632412666.0	541122357962517.44	664911827522971.0	5,94912424006404E+016
605000275983707.4	543858539854035.9	665174452691064.6	59755495395179.66
606712737337352.8	535722613470835.94	665614367759652.9	60131700806633.17
603391767262982.0	547382512668106.3	661905252546563.2	59975079541453.56
604104534196478.5	546443425307930.5	659729259680412.0	60150161372432.19
604906332481430.1	539673410476282.5	666205635327863.1	60187444788713.37
607043785985865.8	543935118883068.3	665199198231578.5	60090167760591.97
600913529926156.6	538733488508075.1	661525982726191.9	59627155635434.59
601653951333127.5	542221452675448.5	658008389426218.1	60082606975076.75
600880840697813.0	543832018157805.9	665275847473321.6	59627738743793.1
604233161431647.8	538596802650508.94	660871580787634.5	60202140661857.17
599732174262883.2	545623283365683.1	660992614581527.0	59794164648174.98
603849850138374.6	545871361695680.1	666305585214039.1	60178954403168.95
598191947413874.5	543142065120418.56	666822268507549.8	59881355873705.38
598877022032656.8	539373958664921.25	662311562757130.6	60521812810486.64
605677736603556.9	545944271414808.0	663743012429779.1	59807068006170.3
602625800112411.8	542282232599677.7	663365568093455.9	59965520188536.53
607360739926635.2	546459539264085.5	661967135697065.6	60072905208414.9
601090005978661.5	541162854407451.0	664568370341206.0	59985711359621.32
604576204438063.5	544295202615355.5	662545438422953.6	60426302890298.91
605349268545238.1	547859686767967.44	665524549605602.8	59930105455670.34
596603744515386.8	540769318397689.6	656749134499324.2	60151797663863.21
606004940446774.5	547617972531173.06	663979353449827.2	59895971128843.83
604837351681042.8	537937553317023.75	660225614067395.6	59752201781980.66
604124745964307.1	548098239281822.2	661996876471967.4	59893330518031.26
603999927887766.9	542488814689697.4	662918265009629.4	60200153269708.52
605464903730126.1	545264982717679.75	662528121645975.6	5,98484507866383E+016
598932369789520.2	538973697885176.0	659673549202477.2	5,98452058312928E+016
600597612066930.8	538285694085758.4	658708506258900.2	5,9864494689089E+016
603760793759530.0	546946486685521.25	663910404530222.4	59854120734424.88
601457961360860.5	546528182901944.0	657258999024816.1	59817206747631.42
600298168597670.5	539835414478036.5	659783902682983.2	5,95693103790197E+016

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M2p.lower	M2p.upper	z1p	z1p.lower
54414269183378.9	6,60021784426291E+016	0.05016535827274552	0.04661303421919549
5398335359943.07	65819507687859.15	0.050134952946492936	0.046471565555608385
53988007297446.79	65787563421379.33	0.0498676898984209	0.046225388006910006
54167209769343.23	66127382514220.51	0.05004749237981099	0.04626907212422411
54314832901493.12	65433427577314.94	0.04983283911658943	0.04585523392507679
54157944765664.64	65860472319557.4	0.04982861897906926	0.04580313957693526
5,36688328635318E+016	6,61387088477929E+016	0.05007713982959741	0.04588991382930258
54210698323968.97	66581171951361.02	0.0501032517855005	0.0461540165396115
54093417287064.73	65685750223455.64	0.049977373743895305	0.04600392759554363
53979191163798.75	65700085306198.14	0.0495817692341692	0.04603232897728151
54337708364440.74	66184496117866.75	0.0499477566484461	0.04589948269242023
54249618467432.78	6,5949314589943E+016	0.05029591260602895	0.04620659606690849
54324678426096.6	65681459449071.0	0.04992425270431911	0.046289779467931426
54226249942920.08	66108822544922.96	0.05020221927784179	0.04611131159977188
54235591975833.29	66275645575650.08	0.049826181736515124	0.045948780353820246
5,42415674045108E+016	666135609230434.97	0.050022933253148015	0.04612740485004308
53942951362335.6	66250447232402.02	0.05030501279944865	0.0463316875187714
53820948383970.26	66210008786296.11	0.05010615428319099	0.04646770747721471
53428576795339.54	65520199253140.65	0.050024963617410254	0.046217689746855146
54087205040062.85	6,56460273965708E+016	0.05007233541571535	0.0463191093249843
53938185786244.06	65942974346236.8	0.050109308505733446	0.04618604306906532
53307536777594.16	6,62095168354242E+016	0.0496488981676535	0.04584183287082943
54344491543840.42	66243328211829.76	0.04982261740886635	0.04640579652079749
5,43620857635276E+016	666313709715585.49	0.04986095787443784	0.04647065889019771
5,39714831586295E+016	666169392078044.78	0.0498200271711326	0.046012629991232984
54006319409606.1	65983859982661.13	0.04988938008552962	0.046250075621876841
54092130786237.98	66080308880149.0	0.04980102275817741	0.04599135769680748
53423556803263.17	65379358133888.06	0.050055360780219736	0.046129142314101965
5,45062862220561E+016	666572813833303.5	0.05005556428511499	0.046296933160389846
53510976152800.08	65968219248799.37	0.04994700802608937	0.04631103957020098
54298504404103.9	6,60660129358502E+016	0.050046613077570155	0.0464380782097712
5,41720249048466E+016	665509702439216.17	0.05021220285078201	0.046364659647636516
54769582298770.06	6,65230769731675E+016	0.04987949723176005	0.046363144842341976
54032132762221.08	6,54510091079654E+016	0.04989642506003959	0.046274007785097306
53841805903402.38	66433706128977.28	0.05002037875257989	0.04634569241710206
5,35660974958364E+016	6,63198583674194E+016	0.050255646313767804	0.04646889901439538
54444030485960.3	66049391762006.06	0.05002900099907856	0.04649406848567038
5,4329258244956E+016	666284733587571.6	0.049972020221529904	0.04617710292917667
54236398104848.61	6,62088785770085E+016	0.04996234690250143	0.04627103809897413
54166539967433.43	65857890056480.05	0.04991237946585998	0.04593348992330139
54352935581877.83	6,56453828042733E+016	0.050219662316561775	0.04669737526058534
5,37240475259372E+016	6661654106951575.17	0.05018110943919344	0.046311244920344906
5,40479709305208E+016	665583957584835.82	0.05010302109452378	0.046220356632528575
54366661987341.35	66392916855454.88	0.049902908985184985	0.04596918031436831
53722485566252.15	65851090679602.23	0.04999268297778166	0.046284714058551335
54429658419018.8	65964255317008.33	0.050033976115752	0.04630560451614872
53970388446441.34	65663038411852.47	0.04993749417926657	0.046339338982729406
53862888430838.3	66222640110437.79	0.05003050026379934	0.04620921302036103
53842158631972.79	66586592783628.02	0.04994461768062594	0.0460651080820725
53805836171959.64	65783014290112.2	0.050000942264918344	0.046241993866425385

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z1p.upper	z2p	z2p.lower	z2p.upper
0.0538159183992003	0.05010131663049641	0.046472080724274084	0.05379095981313805
0.053871457264885854	0.050114792015060236	0.04660450733325998	0.05392957000058382
0.053691244265344565	0.049952104830536276	0.046262564721191474	0.05370542630527566
0.05378237461473745	0.05018396084604956	0.046377498872175044	0.05361908699173365
0.053718945461439835	0.05007162701379583	0.045790827432616255	0.053933947114016516
0.05387002613076766	0.05029224285158029	0.04607211382316599	0.05453518736237155
0.05392747229545359	0.049934840997017504	0.04572378257527304	0.05397591310086489
0.05410967491475448	0.05009517913626341	0.04625942609817925	0.053923280832719536
0.05377284499866355	0.04999514200041871	0.04639358241098864	0.05388147078464027
0.05385926478289438	0.04965388070131177	0.045873338153682136	0.053883447082350495
0.054063002527064495	0.050203424653033984	0.046184872159700595	0.053754081221137418
0.05384995942964174	0.05008041161874993	0.04630267162259296	0.05399882875625084
0.0536199450843752	0.049938379813808095	0.04607450034094091	0.053942992865863564
0.05432920197140994	0.05030471505797808	0.046392232433675164	0.05404989622711681
0.053587374284520324	0.05005200701637261	0.046354741030030615	0.05369876088488812
0.05366261511694763	0.04987934293797737	0.04579513537630922	0.05368886352669721
0.054094806943856474	0.05016551592315098	0.04629509563841073	0.053905411934855026
0.05377982260061226	0.05001295734984309	0.04644906260692333	0.053900701552501706
0.053696986894013886	0.0501744906351234	0.04619089179976679	0.053777107681561555
0.053661337168220136	0.050050063459936185	0.0463703403111631	0.05410195281606289
0.054019266528052126	0.049816647865571884	0.04620369210786379	0.0538698536653397
0.05326262409923484	0.04972345033646888	0.045911783001946566	0.05336657629326608
0.05357168143319822	0.04997331649035222	0.046321103496739874	0.053450462654779554
0.053468669254359225	0.050010351550988694	0.046345299861119106	0.05329786603030671
0.05367813839950861	0.04982740463082748	0.04624504367967352	0.053839016070939064
0.053633764099520295	0.04979673068087721	0.0461484081320085	0.0538543153412979
0.053840198724410204	0.04983997249948582	0.04622992503837223	0.05368140173205593
0.05382442901299096	0.050198147940367116	0.045927203904749386	0.05412288948137366
0.053883818639403475	0.05020071792120717	0.046371965863141545	0.053973285371123086
0.05356268529655777	0.04973969705846333	0.04622661907817201	0.05339996647879264
0.053641418662661734	0.05006739021009467	0.046412355176754176	0.05350069705613847
0.05386441082874341	0.050030072999225614	0.04656532166430667	0.05362606218047432
0.053627929287424686	0.050036989954960115	0.04603774975433304	0.05368171024162005
0.05363887875320453	0.05008292729086958	0.04646521759221602	0.0534942187169305
0.0539341759137891	0.05022233976096309	0.04623804676053225	0.053669636885064195
0.053944050780083026	0.05026082356033211	0.04643367498011409	0.05388976771608074
0.05354467862842414	0.04997048493391442	0.04638132179380951	0.05360539914494332
0.053676575742751774	0.05012516305241027	0.04631034822959647	0.0538247065304587
0.05386448193480081	0.04996159236605442	0.0462653009228579	0.05378734746050893
0.05355408548728101	0.0499942975188548	0.046112788443202865	0.05389109002022102
0.054148562700048496	0.05008658752579612	0.046527460427214014	0.05399181189204768
0.05363655224888513	0.0501489447285612	0.04657590764843941	0.0537425533477025
0.054067152868598	0.050105534566047	0.04616952870303497	0.05380037248867639
0.0537054657045041	0.04987634586560151	0.046351410038652036	0.05373041493308878
0.05371574805078663	0.04984330386587753	0.04608511203894114	0.05350136954234661
0.05356559848459682	0.05004777640379464	0.04628013415731779	0.0534728530128825
0.05343978549480708	0.049953923974662126	0.04607428521797082	0.053398007364593325
0.05398350231468321	0.050003937271796486	0.046055065771501834	0.05468045390646698
0.054040425769386176	0.04987253615744648	0.04600469884520688	0.05379487026887417
0.05398532379341096	0.0499288253147226	0.04629746312877673	0.05375281183023961

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d.proj.out	d.proj.out.lower	d.proj.out.upper	v.rad.obs.out
2.2752295923203265	2.170776227413544	2.3807963345115106	333.7201050379606
1.8331132598000228	1.7515328016519922	1.9213036809421387	369.6342535081098
1.4175966970821268	1.3524778363660377	1.4808791655152582	426.0168837505721
0.8337523630499868	0.7946350685094781	0.8749537449600566	539.7993051322517
0.1373909958471444	0.1309265001879757	0.14336942068696926	720.5142430454974
0.06591737463334865	0.06295654077614204	0.06898040942311534	772.2022781657148
0.043649436880775355	0.041537912737491196	0.04568204013823205	751.4416706188056
0.10813220972150825	0.1029550827826917	0.11346888499512889	728.892740024312
0.17882621829875436	0.17082238766338337	0.1867693710580104	695.6428803567399
0.25394323285420944	0.24258796786677334	0.2648820680522542	658.0275056301866
0.31707702186125036	0.3023823491336857	0.3316366261052628	644.1999747339994
0.37358169919732537	0.3567705587711358	0.3917426175326454	616.2245041296094
0.4261142489748925	0.40842893916936235	0.44555844270777056	625.7146689096737
0.47598006854621566	0.45448560736272275	0.5002813651793554	583.2796826106085
0.5214985032580381	0.4967929097563641	0.5450238235676551	564.7251841676975
0.6939894644731259	0.6633444588568833	0.7242717706554495	582.3887632410019
0.7898568296019368	0.7532845593142028	0.8267148690055143	517.327514537521
0.8544929868061302	0.8122225898714983	0.8934923194898718	479.582150839768
0.9077340883698151	0.8666200149320814	0.9503039837467908	539.7315668771816
0.9473515640734773	0.901850284692824	0.9922854068555438	499.8373432548854
0.9806064951217393	0.9347227641191275	1.0236699568736842	527.2642094555263
0.9927929667303865	0.9481629985264755	1.0387988299109359	489.46642759718634
1.0032979582562394	0.9597534813515155	1.0472041636832812	465.38417598406556
0.9638285434648928	0.9187109124520233	1.0059960745893624	518.0435379205244
0.8541602352837513	0.816161803578528	0.8920104885990671	504.7018031633109
0.6593609154748254	0.62936748233543739	0.6883411581675021	552.5462621183178
0.3648220722023122	0.3480255321567245	0.38301129408126966	641.1481371274849
0.09707260308033255	0.0924375133274218	0.10155803666535913	706.7406271583836
0.47100067047105476	0.4504520486734386	0.49462648245807406	663.7425734092902
0.6055563706792974	0.574658248055325	0.6334633035701027	616.4513730923991
0.6945847222005003	0.6600326587841936	0.7259567952388677	581.0583207552711
0.768543691562426	0.7352359647697697	0.8047497482569348	537.8517267347825
0.7852174123069486	0.7448041408806214	0.8223585329389016	538.531763184578
0.7925632761617644	0.7553407608120254	0.8317483582522566	565.0544075044243
0.8034260441585737	0.7620261266811849	0.8401166136796225	522.9882013061341
0.8106931900713841	0.7695493234151034	0.8465637866082747	546.2410994456748
0.821877704834882	0.7819335111355972	0.8558547380323435	496.32319469616357
0.8319963178141685	0.7940193963806828	0.8707495041693226	507.5729053276277
0.8375386787756165	0.7999741972577641	0.8750774397663345	496.65828586921214
0.847277804359793	0.810330565587428	0.8873057291998228	527.6590104007141
0.8473350816197291	0.8075660761219559	0.8906110532693559	513.3861783589086
0.8483511559953038	0.8076672607956489	0.8876282709566489	495.1407317769846
0.8372460831575861	0.7989523341597919	0.8742284672275793	499.132629529167
0.8002880717346004	0.7635288900085373	0.8398698092550043	537.3142623779418
0.7445388985845072	0.7060665395740002	0.778432647314107	569.9246136376003
0.659066766323867	0.6297810049735844	0.6886163211407627	537.3993656976429
0.5501986093123934	0.5258734168606497	0.5771217149972356	573.7401724257502
0.23081063937181054	0.2205739600598563	0.24106967738181723	704.3422497197382
0.24400309934204578	0.23255205863500705	0.2553394768972429	682.5237472248043
0.5762065116409958	0.5497549320063284	0.6039352392373517	600.486688648843

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v.rad.obs.out.lower	v.rad.obs.out.upper	alpha.out	alpha.out.lower	alpha.out.upper
107.278392813515673	533613375789541	97904587688268	18.228334153276933	63.01431255933501
111.788521908385708	104132441214943	177721428625986	19.05576314795306	65.75810150686442
121.738678628049859	241902630858845	42675211219458	20.893035056497517	67.40384745510924
138.6867999995521060	66181056001845	65213069487717	20.75834354730196	70.41010521720833
211.3595802212731056	96236490278948	350081208091794	22.207160904493694	74.310619017771253
181.2375823520561632	44177152466951	83350326729136	24.308789048631073	76.46994864474664
220.1354684297211587	93424591736952	13526888098324	22.887855885837244	77.51932889787267
187.0807412336501547	79012425416050	93015415768331	22.599843292311636	74.85357431853494
198.5672897409051472	91041514823148	78723804890258	22.02908604704981	74.07921177309507
174.1555178590821423	15819163197750	92908139765805	22.653420331375976	75.36426599961197
186.3453823271961380	38901205868848	24437817549815	22.454921910629555	74.16936526136308
148.6673100066761307	58973996208646	46382306657846	19.918141724102142	70.45419376132217
184.5213930963201290	58878242184347	453896805245165	22.290261485321587	70.36788219820007
172.4956277899491240	04809583962346	463724811483374	20.754694233190065	71.02485851936633
149.2968082599311209	01240272611446	45873633951702	20.52287231989984	70.41501758777383
165.3931692847301123	38484065342248	2631078637952	21.651964759615353	71.57625862767969
145.0044732864221076	37586339978446	01052355004082	21.605036478370685	69.97921383945605
145.8762450859441976	073074719578545	574400685854016	19.89960421900232	70.14564195928942
131.8410148926681044	91116040283746	51099960680004	19.96886552708198	68.34645309499594
137.900794250071993	763285214861544	18182241614112	19.260869877207618	68.32404946195425
154.0065370828061046	73435357073546	03831340344237	21.0777557110388	69.74768120336306
130.9464966540761968	873746970887644	60161161487045	19.75020606118889	69.41728468695713
134.622840402151966	625791951702	45.47229174839088	21.01565113646361	69.22255920643975
154.173444986487991	944444451004244	98469724730983	20.729424626860308	68.71625903277587
140.0509297146781017	89779114031745	784673635120676	20.011221498971338	71.28773170643831
151.8170781716831105	478162474247	30690703497136	20.795382286025717	72.21300296899196
173.0147094858161331	15645934319749	46582615494154	23.109791300629833	72.76598695366418
196.2387472103581501	85254177962550	55575231471559	22.371495482858794	75.98080431632854
175.7151252994431209	5137163435846	173357436689855	22.313191985885986	70.25635360900264
163.6845968934901210	77682051787449	052205192785095	23.511484695545604	71.08528205796648
148.9260605651931157	68359532535146	14104863963637	22.184820138307707	69.6782576192244
153.2194211429861080	29497215412044	5896160616067	19.56538396710174	70.42264544908035
150.6985222630671041	2018011115	43.76414740953115	20.120749721634716	69.42768397178142
156.6513703296791066	23291971949245	20203355914043	20.238788245015275	70.37300779669695
136.1490494105131069	81903499942645	47022857325224	19.68401172324674	69.54121394034235
161.4354998767961101	89423756700346	96097166039753	20.996823654791662	68.95923480006847
134.7435146116901048	01412340979147	073321436853604	20.555268089104217	71.27404203659118
135.7706961973201066	83868837064944	529812631150385	20.25961589807061	69.1434830919082
115.9734401101821055	16026152035543	44634564353548	19.323434102460663	69.49306628875411
153.3660283532131044	611143599844543	77521921348023	20.410093578310242	68.47348250106423
128.7126814162661070	87808230649044	65513668614432	21.223350884273597	68.16929753585222
143.36092547822	1035.79264931286243	90369098571084	21.014807745167307	67.712843404802
133.3600833055881028	82342757277645	62255893928091	19.405335839102477	69.05753872807165
146.9139825619621062	46861540420747	75842001039587	19.98448602959499	70.02907513159762
141.5607213401811082	08049507389847	232928443445616	22.377067285014746	70.65126158582065
155.2586932684601123	79626383588246	23728495838847	21.052690975828664	68.92492434951686
166.3072105361181179	82852480931845	37083688722892	21.975518546696335	69.19916657441775
173.2514458523291432	67108538167650	12282029850732	23.385602235264127	74.0269348822162
191.5722672292701425	69930962914649	77829874484151	19.77014242845547	73.4704207009021
173.4480860759571242	09714913365246	05675135388591	20.40896812028968	69.45000371657251

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v.3d.obs.out	v.3d.obs.out.lower	v.3d.obs.out.upper	d.3d.out
641.4061648898082	224.0128507376641101	15109125544	3.049927174582017
644.1320368534468	232.0390250499271221	14451794350	2.5348735039342816
708.5949296937189	236.2615155669621381	911431167892	0.0095091984032614
869.9624515758239	261.2240169138321647	66441961753	1.1924275564837599
1206.8707097927277	381.0697492663772154	571117620510	2.0668588975657665
1190.718686935041	355.0635989805602271	04751149875	0.10648672494160234
1175.041958149723	423.2655595362162233	71027190987	0.07172365565448835
1163.4759675392424	366.3417642241562191	81546193442	0.1722686146854832
1134.0249525114746	393.5735659923662082	4928288281	0.2712962138441664
1108.6136468175869	313.9800660613322014	89754251863	0.4067563696886878
1071.2451881078637	335.9857124711912024	94896116359	0.47511834795146923
1041.9008357283815	295.2435619959371948	06087071328	0.5423098708135771
1091.235612158324	335.8343418043591948	195551448570	0.631488687498533
1009.5167699911099	329.0502066970321859	66856847925	0.6876052499906391
986.3374611760183	308.7293237866521822	00483506877	0.7604365140144653
976.3077250685909	324.6328759076191752	74341825784	1.0423210785825254
856.3688232704848	279.9758141222891664	58689530581	1.137993897484321
846.69069935598	285.3073918000021665	39141825601	1.2201860182393018
912.2264861050164	264.8899465914181629	25373149434	1.316876798969035
856.6056732324896	283.8000603339671605	20134663488	1.3190844013627314
923.016491003234	301.8652940157251640	01567802713	1.4114223343865937
840.6178655112981	273.5934000989751547	15952098945	1.392072715573277
786.8682901696584	251.8907296218011537	53641303914	1.424519334595046
881.9321689659585	305.2362209877451632	08535669348	1.3635838773684177
861.211410803128	249.4348696656181631	02903171861	1.214498958412615
939.6777644559604	295.9896609856321734	15335328053	0.98092043520005
1078.5461764104598	312.1967644080371963	53369523865	0.5621268118105557
1214.271002655117	352.9650829838302180	22587085240	0.15211522293136104
1048.2913914008423	347.3193107994531933	61085746011	0.6746453422915979
997.8155396517857	309.7744936799331791	57868882581	0.9147192930830607
931.0232126223118	291.7241399940751770	75532451441	1.0049065474357253
899.8169493112955	325.5984777066691727	63385467941	1.0802381674599046
909.5654023041211	303.5984064866751703	03110159548	1.094454855462586
904.8193832781033	300.0149344422361703	78448830553	1.1275451895056365
875.0416333565408	257.7593061840311657	17075349609	1.1510817250347463
949.2654549186714	308.3187361763081704	47064879943	1.1835757451118782
876.1928479458834	245.6617865935291594	66953249765	1.2061267684614223
899.5918401859826	284.0017545011811752	63258595275	1.1725271357987577
867.9607778363138	255.0080669931221668	35259458390	1.1575428920272042
892.1131964236282	282.6573195586951696	30003864146	1.180964834027896
903.2134950790581	257.6215427958681671	71740980769	1.1917677169249372
868.3508827688529	272.0925672630751665	66796295783	1.169708460430553
869.6985769361809	277.8372269902691642	97010264508	1.2071290553215173
861.1487838674968	308.3195494882621645	67838358100	1.177424547020662
904.1003669116952	265.9276658771851673	38937760519	1.1018223999774945
920.5183019247065	304.7110633660671785	25654565548	0.9552749032133196
989.8457421097565	274.7018313669641869	40002725549	0.7894026680037882
1133.8922746669157	330.8659806845902127	81257802194	0.3614244697189012
1130.0854061742602	368.7840955109352074	66685005200	0.3732887835516324
1038.0966562674294	352.5059441596971865	81485233611	0.8303692729300747

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d.3d.out.lower	d.3d.out.upper	v.3d.col.out	v.3d.col.out.lower	v.3d.col.out.upper
2.3966142939378545	5.033001214908657	2708.4001829952394	2551.35073120222859	58574768479
1.9392435601678462	4.438002118428773	2647.8733756258143	2456.7054490894	2834.41892194420
1.5253323517283155	3.6797603794555256	2599.0531789629395	2330.3894116153	2806.96025366618
0.8927300928312312	2.533597311564193	2395.577229728975	1969.3831767558	2730.41078469846
0.14805126699501658	0.5151916685237825	1620.6580140571996	859.04439295887	2470.72871319861
0.07217977663733596	0.27822764181904225	1499.7014649296625	643.76900785441	2433.59465382440
0.04732092711363218	0.19457921737247658	1385.3425390024415	638.38370727397	2358.62244672822
0.11712700987540256	0.4123463142132313	1550.6801818993306	781.42897971204	2425.38671767102
0.19428017033794223	0.6505957356044966	1705.2003865306385	1019.6586319072	2493.84446473697
0.2755306537632881	1.0033808318953739	1863.8763144767886	1168.9645996499	2538.34356525291
0.34348211345276697	1.1324469537004975	1973.358388302423	1316.9428539955	2639.87311417547
0.3997690886302666	1.1100333765602164	1985.7722612456805	1408.3065744291	2557.55589146624
0.4582591721073468	1.2669489144779962	2079.3244963766374	1533.1333861738	2639.60260136536
0.5088333957425784	1.4537597283179786	2098.4229603790754	1590.4913172770	2635.50648069770
0.5574755072797717	1.5682679452256938	2148.084779723995	1620.0300808008	2658.82366395669
0.7462397048185542	2.1964436419300437	2339.8022071845317	1894.4786160056	2728.03847081633
0.8454451959257144	2.3013582476261143	2369.4270681650933	2362.6945553557	2731.00442322767
0.9091326020642306	2.4807664223824912	2395.5367212730152	1997.2006190542	2753.98645634742
0.9654633666509574	2.4415693257172917	2427.020285831029	2036.2982061610	2766.50812122654
1.009371651099259	2.5783309919731097	2426.406548606292	2066.3362107168	2754.62967510385
1.059551101475993	2.8282837643813226	2495.662015763508	2116.1128041540	2796.37646343879
1.0563877403648196	2.828794876765868	2470.4716229033447	2100.222822134	2769.60909732851
1.0786488481355199	2.8541167789716915	2463.9625153186125	2122.2647789783	2765.88683331497
1.0273041740046442	2.6419165254127193	2460.789004130616	2094.9545960326	2774.12835105248
0.913052353235437	2.631391115182571	2413.1749091274432	1998.9259942841	2763.99447537493
0.7075317588062402	2.1158756280627857	2218.192885475477	1832.8680229063	2708.67716971412
0.3973904915790722	1.2402670809120528	2023.2606853554662	1409.0964732746	2613.37231169787
0.1053098310860841	0.39693243343367046	1538.9551399366617	776.44962977408	2373.21023486766
0.510839559372557	1.407647354246758	2090.5124948938865	1570.0738620519	2659.16367027417
0.6592490266491152	1.85211689702872024	2285.8859308330166	1769.3228892162	2728.69054566977
0.756558214529165	1.955564482610828	2315.3722305038095	1836.3644602494	2717.55753255259
0.8175373532702543	2.292511158209564	2367.8632869149087	1903.4862686757	2744.35615620436
0.8331261471932769	2.241692558126026	2350.5276809426528	1918.0608069206	2711.96954987091
0.8450686313244824	2.335597799230629	2388.422696367437	1941.2387915665	2751.47462063496
0.850491474018772	2.296591096001979	2364.6033865794643	1944.6484464557	2749.68658826699
0.8711533286697111	2.2676001417239227	2394.7056247364962	1976.2715017089	2729.95291161641
0.8729838892279793	2.5428354669892923	2384.5371729229855	1976.1240455824	2747.83282112979
0.8899018374525519	2.13582019221103395	2420.862399015924	1989.7237399950	2754.81232067193
0.8867783861606001	2.4056135928299924	2392.6661072256793	1959.6111571467	2760.82513008759
0.9085946935552999	2.328229432210818	2396.56633009336	2008.7586405635	2744.69720655351
0.911276915227727	2.266680475172187	2396.607301145981	1977.4328937257	2754.46586756481
0.9064594126584433	2.2501286488585785	2373.71511196349	1980.9958439173	2734.30224494
0.8898686751059782	2.339956072000456	2394.303463393868	1983.2735453104	2750.06364201033
0.858324346701913	2.3239555954034103	2393.94537581015	1954.0584165722	2731.54953574543
0.8038201231982148	2.265478261360701	2347.0842215665857	1912.0554652567	2735.15346144966
0.7053870612859225	1.3003954627600973	2259.87830200874	1796.7256576713	2674.75804478782
0.595290175525761	1.540637281491482	2188.043638485036	1667.9784509108	2701.75203535602
0.25176972636273925	0.8382071436585098	1808.754131989322	1130.9814297712	2579.17647971622
0.2618758751694683	0.8613599782926105	1818.1531474141143	1155.3580153200	2566.61763681209
0.6137074575791147	1.6355683429319323	2233.306665836958	1733.9735254257	2690.98929881376

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d.max.out	d.max.out.lower	d.max.out.upper	TSC0
4.819891487207382	2.9671464141897017	12.499057749558578	2.3630814663471282
4.010642846628799	2.3752221897805086	10.934098831874437	1.862862878882663
3.2630082164470346	1.8857733368394558	8.67739259876022	1.4126570235074598
2.08589380489957	1.1321157558020967	5.463605565928427	0.8187846701824208
0.7427501119971502	0.276015802108795	2.4550413467237604	0.20295870977801184
0.633354718331901	0.18935782105443558	2.175976389276599	0.11388413491435893
0.5608798743576566	0.18976444962271178	1.947500981917601	0.07820566559301147
0.6905631105346242	0.24129997895311378	2.179479369113331	0.16714126695685277
0.8195038182234823	0.3580729064229735	2.4309045977709527	0.24400631786863672
0.9844847147158019	0.44076728898895856	2.9060640982873727	0.3488013228031105
1.1257276405997425	0.5167981485712497	3.8205996201891406	0.38716630081492776
1.1532357243479083	0.5771081861332304	3.037506401883733	0.4222458090719585
1.2862797832141624	0.6757492951729677	3.6148827600790865	0.4583582682172223
1.3366627276192302	0.7114922774763687	3.6801206213241944	0.4975689956071828
1.4490312209381793	0.7530581419102473	4.083630992324121	0.5609374329745873
1.8625959778341714	1.0257255459862733	5.355692718344177	0.6973384201582795
2.0422149093494717	1.0753574345144439	5.210773181184937	0.7759294840859683
2.068432427405261	1.1627011010488242	5.939733046857236	0.8518184026193238
2.2037939087936635	1.225133900694022	6.224424841814164	0.8697238240646685
2.1875776437129346	1.2758497400497373	6.553552083575148	0.8977784940778417
2.494665067083149	1.4002561455791374	8.267399498957982	0.9271328797167464
2.3395247912290045	1.3318260031641147	6.861444411097992	0.9282787360364072
2.329782283824481	1.386257676073231	6.801022802641685	0.9913420290048611
2.3555366873036494	1.3469698598914297	7.236506746651994	0.90532525568776
2.1237062687244093	1.1655682500654543	5.982115598338888	0.8379714104056234
1.741054203782864	0.9574515017025844	5.213233213604051	0.682996701079828
1.2109854729201084	0.5811415150682122	3.6029673079091316	0.43099081458450883
0.6778510304033323	0.23748226377513865	1.9533091135598724	0.14955100699256518
1.3271851065901799	0.7044000473997964	4.253816513402548	0.4945261914471701
1.7059798584921217	0.8909837318809333	5.035653031495445	0.6339723799914896
1.8112354257609302	0.955077533828391	5.371094432275521	0.7014586113113848
1.9486300438656041	1.0443236096341033	5.759004325364681	0.7285479616837787
1.9537217008147925	1.0716259127682224	5.277815523930149	0.7626404291760609
2.029866552514293	1.083681520042329	6.374069267247751	0.7744769098961253
1.9416264254560338	1.0913852323320454	5.850460322523999	0.8055342690954488
2.0647695962481887	1.1440229257917158	5.265363618810773	0.7693074339122664
2.0324585115318765	1.1509543810884608	5.754090955771485	0.8292671542712476
2.156759804197604	1.145050450919336	6.327036928925695	0.7976520574855365
2.0299655338212474	1.1182177161608995	6.478014876571352	0.8088816750180146
2.04491321436578	1.1884297911022619	6.387576342600832	0.80003298743403
2.015511450442297	1.141811425419561	6.193287019929209	0.8167275687421162
1.9670964556833241	1.15543253779999	5.612318816356752	0.816808038514558
2.0476102011529984	1.1305039705028805	5.783793896736418	0.8406750596003756
2.0639070432125273	1.112668070055481	5.496100682672326	0.8024178932871058
1.9144911681174284	1.0481832453861315	5.922924672797876	0.75827112769609
1.6845949291254543	0.9198734767291759	4.208912255325017	0.6612754127676049
1.5055640329175062	0.79172144230249929	4.6945007295161645	0.5874851589273387
0.9513162527254266	0.4096609563684855	3.1945332318828306	0.30356348247050857
0.939930210576092	0.42233398481343454	2.99491158688877	0.3107093986940359
1.6148584990753438	0.8554036743585347	4.545941968592491	0.5674017037783099

zh_1to10_b0_z_updated			
TSC0.lower	TSC0.upper	TSC1	TSC1.lower
1.4986055923016475	4.873578663500426	10.332215394036936	4.5879279437622165
1.154765041907788	4.199436811733409	8.012344961697494	3.3531293974028156
0.8633257830846806	3.0587047737411965	5.972226765511683	2.458701648655262
0.4845446330799415	1.7605821561316177	3.48143721574023	1.4855693975860582
0.08840783799994761	0.4480132214941623	1.5061807612478395	0.7881683781200434
0.0441824667044286	0.34369402805840293	1.4876385635672476	0.7271539694348116
0.030033544718519378	0.26470424868360376	1.358248845801161	0.7651507860013955
0.07134061181794127	0.41458879226275513	1.4538852023083972	0.7475607254960113
0.11258517572016115	0.5292780538226391	1.5345905923368612	0.84077619393582395
0.1637972309291127	0.7120184267167009	1.74608880212061	0.8244542344545802
0.18657726163761665	0.811415283375876	1.87332246366919	0.9171799896038257
0.2242855750325392	0.7805043940814274	1.8673193169602191	0.95388203307652173
0.24381495996164473	0.9171366216054461	2.09377728991202	1.060667741402033
0.2807813467956237	1.0247629178600004	2.1346864190476134	1.0929092907855025
0.3074298087045541	1.0490974486111582	2.2803169018408243	1.0737560763041691
0.40660607179372255	1.5333844392912486	2.9641021540441064	1.4233753394802713
0.47107271057728833	1.7193561368030859	3.1390383440913237	1.060667741402033
0.4905510426951615	1.8546673743746773	3.200114183453212	1.5550010649151713
0.5295116596633087	1.8059601912406416	3.658290187056793	1.6050709036170374
0.550301781492376	1.7944769729805832	3.543049007761856	1.5820192024196227
0.5578568898056973	2.0470795678415974	4.430571417972322	1.7859411921902915
0.5749167617501789	2.185693657856981	3.8275960309501653	1.7863325355041035
0.5801112442788271	2.243804497370158	3.7929522362110215	1.769559114846137
0.5501850661767974	1.999976087720156	3.9681667107985312	1.7230237258312198
0.4921690062238718	1.9535339882548994	3.4339533307910384	1.5347811806717983
0.3852809532352036	1.616069708135727	2.6756053147379024	1.3036118719110683
0.2149308594115634	0.8315935501635037	1.97037903711108	0.9717346496528306
0.06075643245680155	0.41553847181377057	1.4661267530262556	0.7397971676202092
0.26885146594026704	0.9702024535862767	2.1888850062648397	1.1074025183715983
0.3688723688845599	1.3146509411426817	2.7072309664874195	1.2251289063461888
0.3994283979562997	1.379718388659033	2.820591977527365	1.3134939526539615
0.44393725060902334	1.5835284857065786	3.097244752742973	1.3964925802476444
0.44090956532061937	1.4895949485353097	3.152091201052158	1.411994751224515
0.4640054253362186	1.6491693621968633	3.1862936046957193	1.4520985308173753
0.46258969192983235	1.6443311096472224	3.0517302972710407	1.4382872515843375
0.47369376161415	1.6043871646461474	3.2249738330345714	1.552194106644719
0.49014742479341783	1.9141960486094556	3.0716167534430046	1.5131539150544657
0.4612951108826515	1.7478293929905178	3.442017491634936	1.5095805881761684
0.4806752735503958	1.7077504960085814	3.27178113052004	1.424341431552055
0.4804755813375458	1.6848789334421916	3.505214144443349	1.5132789061844851
0.4944378082977813	1.5747155775833566	3.1683745400429206	1.406261520577428
0.4847221719909818	1.5202882334987453	3.0943851515122263	1.468138130482613
0.4850683087126571	1.6583128007870005	3.338097012860895	1.4814999380597504
0.4674142027081988	1.699487077358639	3.30879460188324	1.4823308345930735
0.4433262745397849	1.6311479883975246	3.010817515360355	1.3632149907233182
0.3863937973660957	1.2941193634971024	2.634577418239269	1.2568138130482613
0.3107720802743485	1.0967326727619786	2.3669364765324916	1.1591105439863116
0.1434039816719161	0.6550436879210988	1.7091942018089872	0.8388072306947589
0.15250500271171372	0.6317787829361493	1.681367422379319	0.881102637363441
0.3232925253499846	1.1180842418428143	2.5937683630533943	1.227665827207638

zh_1to10_b0_z_updated			
TSC1.upper	T.out	T.out.lower	T.out.upper
54.042745719267415	13.82208887449741	6.881819846011078	57.11780951281131
41.290936852314566	10.503011036650932	5.059466247510851	46.18084382438794
30.265832441713123	7.830317256118706	3.870189152071973	32.979974306539084
14.698008013350536	4.407849168387508	2.314817384964126	16.842796124751
4.8307055562334416	1.7140772660664616	1.0839540551199953	5.160311982716042
4.349457164861193	1.6269861323258383	0.9784665197488724	4.819518310286261
3.9273536761450805	1.4826594214295694	0.9637676369517153	4.018333481933485
4.538674655106679	1.6561606628651244	1.044828015558918	4.615450372906603
4.948515718353061	1.8565518339145237	1.1905746742824141	5.491554799562543
6.123891193330909	2.1094095569303093	1.2696662226932702	6.84406400719263
8.490338816293958	2.3370046802668414	1.3829793756521456	9.766864530102284
6.722374723373568	2.371639317228814	1.4701514903222621	7.2983884397750565
7.933703092524663	2.6295376185378494	1.6049548999436103	9.04803342364751
8.102052994226856	2.723613819025216	1.6715806999295566	9.47075478451278
9.241253901630545	2.886582235359165	1.688879336892388	10.675901625009057
13.937188974733466	3.8055560246075015	2.1440261121719466	16.352299825034894
14.575404567377386	4.204190483913264	2.205886887050813	15.814395544262696
15.592593157821177	4.277775486496607	2.3474719918547153	18.571051677536502
18.734397928990976	4.668970092095522	2.498742860149952	19.790126900682278
18.275904086237276	4.497516388295391	2.5432812701826824	21.353870985402338
28.3897357328549	5.595218574713087	2.824346435116928	30.245596111237305
18.62154683640774	5.014120630569677	2.717983768459113	22.44937702714172
20.50483484279577	4.963592528913923	2.772565367199745	23.08450832607185
22.86843373365665	5.148584583209949	2.66908590708841	25.805762076740397
16.528821686129195	4.485009170278097	2.3707005170117217	19.086527142482865
12.919364746863799	3.515039198964126	2.0000637014212095	15.571760715907219
7.975677206273562	2.45227079857733	1.494471664568067	8.959097320692202
3.7812983270480656	1.6522484960738353	1.0326994718225557	4.083855837478631
10.732176788199471	2.7307455974311834	1.658123382407652	11.682576234442374
12.906021310667986	3.3982407425545977	1.9064727075801706	14.839952123793521
14.27004182672432	3.658554780302954	2.0521916882198057	15.673702092914802
15.447372202076433	3.9645735894245306	2.1698621052232108	17.69873344085466
13.15098135843084	3.978941669639666	2.1999952483999214	15.772716653761119
18.072440567640484	4.131233682486279	2.2315090259540797	20.291849849891613
16.16266348670587	3.971420362962509	2.238318369956552	18.33883125349913
14.35107621173098	4.208634606303817	2.3371313106137	15.847089924828682
15.93190033564252	4.184724201837485	2.335852352210329	17.924065921168367
18.598205791255364	4.5553536744947465	2.3577821028039914	20.20024246167488
18.70020755097381	4.140358384634231	2.2469377704187536	21.024205142249503
18.338238786142604	4.387758164413576	2.3954352712429032	20.76707845722448
17.43497577788127	4.075355845936382	2.3438045927305917	19.49465994456657
15.171738716930221	4.031521789421533	2.305902319423812	17.821415272915377
15.799457327764365	4.291891821851738	2.329586862220668	18.125116491318877
14.686324966451561	4.228139289469707	2.2869042947870635	16.876327998360185
16.053980582524744	3.905575675201827	2.146514369866868	18.76051625106865
9.755891995563055	3.4268214596321718	1.950342526834539	11.295525424931538
12.361756281743533	3.047520583722539	1.8099899763169702	13.077812570300472
6.948357946486054	2.0726674316358773	1.2589076804242154	7.4082397807205895
6.402034246580141	2.0182313754709478	1.2804248823420212	6.907263937144435
11.503592809240024	3.2323140325499624	1.856204118269805	12.864450953405438

## zh\_1to10\_b0\_z\_updated

prob.out	prob.out.lower	prob.out.upper
0.42101604187288577	0.08655714435939812	0.7906895838227914
0.4399202562072927	0.0936995844677116	0.8068662088394847
0.4304104536078277	0.09294125903994588	0.8365454555585471
0.42826095386859253	0.11302108515507907	0.8147972342770649
0.22599231750532642	0.05158876338519542	0.6607568424588641
0.13982189113263932	0.02487854533624249	0.5894379845299043
0.1053103890754885	0.01863457789262735	0.4414443876361169
0.2079843854088298	0.04203918409747091	0.6798435243069991
0.27120099515158635	0.05903662229943844	0.7015614453879481
0.33958163520833606	0.07843735308810847	0.7924441268512552
0.33429779881311017	0.07443044418437923	0.7724143954156815
0.3740425272065128	0.09977774184763698	0.7892423020456576
0.3743493550717347	0.08964531635338992	0.785135433495195
0.4072438397451234	0.10289400418255201	0.7955508394170443
0.41085236851139506	0.1118057376220815	0.8119460109379246
0.40851139558622895	0.09934631612643216	0.8040139319571009
0.4531928318285586	0.11351118035810562	0.8197808295981213
0.4588958228716469	0.10320841730421926	0.823845998332186
0.42115573010054846	0.09576763222361027	0.8167236579617494
0.4214790557900861	0.10125189995219261	0.8239451308235113
0.3807146475886863	0.08120652350377633	0.8124883885409346
0.43640245808131894	0.10667568296292626	0.8136634963964924
0.45499020392828377	0.10741549081656265	0.8211875540662383
0.4211864143865942	0.08191813352657283	0.8107064751964966
0.43586340236036303	0.09439534720985146	0.8224988959773024
0.4246376987527283	0.09015578344376948	0.8157720537079826
0.36306888405405047	0.08628169214323216	0.8106715565012026
0.18465589983606995	0.0401343189996521	0.6458221767372668
0.3721753690906284	0.08184195646036767	0.7593259934382336
0.3990990662741938	0.10000492244804987	0.8014585187122394
0.4232959955384537	0.09053938193297806	0.8129714488064389
0.4291566987950981	0.09347301605185002	0.7900712206880348
0.42956441388264316	0.1112435502260653	0.8130273263117233
0.41669037590309815	0.0881377953861742	0.7888775603108653
0.44649532171301354	0.09983813783121971	0.8308714657500837
0.414051382125058	0.0872422005608971	0.7955797675328071
0.43409304001689375	0.10609183427698682	0.8452805635011668
0.41365448372077757	0.07935498749691479	0.8218308301022066
0.4343091953645676	0.08435599689998442	0.838190135186734
0.40558987384275813	0.08770074085206418	0.8142296567028834
0.44308447247887217	0.09142172377589443	0.8399029167351064
0.4489396487115222	0.0936669026423221	0.8355278299125951
0.4453079322651563	0.09551767305094273	0.8210894958588892
0.43755939629314666	0.10538170958491977	0.8034323508177349
0.4190135832641698	0.10697374832273382	0.8349808177620056
0.43288678444667905	0.10638677958692608	0.8112762870944783
0.39257445039178507	0.09156748472713622	0.8182387373861119
0.3029135412088029	0.06248655341782894	0.7647492249736392
0.30214881839114816	0.0674344039530249	0.7201383356265745
0.3789237348115114	0.0836581942548218	0.7855337148203724