

Metal-line absorption around galaxies in the KBSS 1

Table 3. The median $\log_{10} \tau_k$ for $k = \text{HI, OVI, NV, CIV, CIII}$ and SiIV , as a function of impact parameter (rows) and distance along the LOS (columns), used to construct Figure 4. The values from the innermost transverse and LOS distance bins are plotted in Figure 5. We note that $\log_{10} \tau_{\text{SiIV}} = -6.00$ are flag values which indicate that the median optical depth in that bin is negative.

HI									
D (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	$1.06^{+0.94}_{-0.29}$	$0.13^{+0.25}_{-0.37}$	$0.08^{+0.39}_{-1.37}$	$-0.83^{+0.29}_{-0.14}$	$-0.28^{+0.15}_{-0.17}$	$-0.78^{+0.18}_{-0.17}$	$-0.98^{+0.09}_{-0.09}$	$-0.97^{+0.08}_{-0.08}$	$-0.92^{+0.09}_{-0.08}$
0.13–0.18	$0.95^{+0.32}_{-0.31}$	$-0.12^{+0.18}_{-0.24}$	$0.11^{+0.24}_{-0.99}$	$-0.94^{+0.27}_{-0.21}$	$-0.40^{+0.12}_{-0.17}$	$-0.81^{+0.11}_{-0.15}$	$-0.95^{+0.12}_{-0.11}$	$-0.98^{+0.08}_{-0.09}$	$-0.92^{+0.09}_{-0.09}$
0.18–0.25	$0.99^{+0.17}_{-0.21}$	$-0.40^{+0.63}_{-0.11}$	$-0.01^{+0.23}_{-0.65}$	$-0.90^{+0.42}_{-0.27}$	$-0.49^{+0.15}_{-0.14}$	$-0.72^{+0.13}_{-0.15}$	$-1.00^{+0.12}_{-0.07}$	$-0.93^{+0.08}_{-0.07}$	$-0.97^{+0.09}_{-0.08}$
0.25–0.36	$0.96^{+0.20}_{-0.70}$	$-0.31^{+0.28}_{-0.51}$	$-0.55^{+0.25}_{-0.16}$	$-0.71^{+0.21}_{-0.38}$	$-0.50^{+0.12}_{-0.16}$	$-0.55^{+0.09}_{-0.13}$	$-0.96^{+0.08}_{-0.07}$	$-0.95^{+0.09}_{-0.07}$	$-0.96^{+0.06}_{-0.07}$
0.36–0.50	$0.43^{+0.43}_{-0.72}$	$-0.68^{+0.76}_{-0.25}$	$-0.65^{+0.17}_{-0.10}$	$-0.91^{+0.24}_{-0.20}$	$-0.52^{+0.16}_{-0.18}$	$-0.63^{+0.11}_{-0.09}$	$-0.86^{+0.11}_{-0.09}$	$-0.98^{+0.06}_{-0.06}$	$-0.96^{+0.07}_{-0.06}$
0.50–0.71	$0.05^{+0.37}_{-0.47}$	$-0.53^{+0.79}_{-0.41}$	$-0.88^{+0.32}_{-0.22}$	$-0.87^{+0.24}_{-0.28}$	$-0.75^{+0.24}_{-0.19}$	$-0.70^{+0.07}_{-0.10}$	$-0.85^{+0.11}_{-0.08}$	$-0.93^{+0.06}_{-0.06}$	$-0.99^{+0.06}_{-0.07}$
0.71–1.00	$-0.51^{+0.09}_{-0.12}$	$-0.57^{+0.32}_{-0.23}$	$-0.68^{+0.27}_{-0.29}$	$-0.98^{+0.17}_{-0.18}$	$-0.79^{+0.12}_{-0.13}$	$-0.96^{+0.10}_{-0.08}$	$-0.92^{+0.06}_{-0.08}$	$-1.00^{+0.05}_{-0.06}$	$-1.02^{+0.05}_{-0.05}$
1.00–1.42	$-0.81^{+0.18}_{-0.22}$	$-0.89^{+0.13}_{-0.11}$	$-0.94^{+0.47}_{-0.19}$	$-1.09^{+0.14}_{-0.32}$	$-1.04^{+0.10}_{-0.11}$	$-1.13^{+0.09}_{-0.09}$	$-1.06^{+0.07}_{-0.06}$	$-1.09^{+0.05}_{-0.05}$	$-1.10^{+0.05}_{-0.05}$
1.42–2.00	$-1.36^{+0.25}_{-0.14}$	$-1.45^{+0.23}_{-0.18}$	$-1.04^{+0.33}_{-0.27}$	$-1.14^{+0.09}_{-0.11}$	$-1.26^{+0.07}_{-0.07}$	$-1.17^{+0.08}_{-0.06}$	$-1.09^{+0.06}_{-0.04}$	$-1.16^{+0.04}_{-0.04}$	$-1.16^{+0.04}_{-0.04}$
2.00–2.83	$-0.98^{+0.27}_{-0.22}$	$-1.43^{+0.11}_{-0.15}$	$-1.32^{+0.09}_{-0.10}$	$-1.39^{+0.13}_{-0.13}$	$-1.36^{+0.07}_{-0.08}$	$-1.16^{+0.06}_{-0.06}$	$-1.29^{+0.04}_{-0.04}$	$-1.17^{+0.03}_{-0.04}$	$-1.25^{+0.04}_{-0.04}$
2.83–3.99	$-1.01^{+0.11}_{-0.14}$	$-1.34^{+0.10}_{-0.09}$	$-1.43^{+0.21}_{-0.14}$	$-1.24^{+0.09}_{-0.09}$	$-1.27^{+0.06}_{-0.07}$	$-1.28^{+0.05}_{-0.05}$	$-1.33^{+0.05}_{-0.05}$	$-1.22^{+0.03}_{-0.03}$	$-1.28^{+0.03}_{-0.03}$
3.99–5.64	$-1.02^{+0.12}_{-0.14}$	$-1.20^{+0.11}_{-0.12}$	$-1.38^{+0.17}_{-0.12}$	$-1.21^{+0.10}_{-0.10}$	$-1.34^{+0.06}_{-0.06}$	$-1.38^{+0.05}_{-0.06}$	$-1.27^{+0.04}_{-0.04}$	$-1.29^{+0.03}_{-0.02}$	$-1.28^{+0.03}_{-0.03}$
OVI									
D (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	$-0.67^{+0.11}_{-0.14}$	$-0.97^{+0.19}_{-0.19}$	$-1.32^{+0.18}_{-0.42}$	$-1.69^{+0.19}_{-0.23}$	$-1.28^{+0.15}_{-0.16}$	$-1.48^{+0.09}_{-0.10}$	$-1.56^{+0.09}_{-0.07}$	$-1.58^{+0.05}_{-0.07}$	$-1.51^{+0.06}_{-0.07}$
0.13–0.18	$-0.82^{+0.21}_{-0.30}$	$-1.08^{+0.38}_{-0.18}$	$-2.00^{+0.44}_{-0.51}$	$-1.50^{+0.23}_{-0.15}$	$-1.33^{+0.14}_{-0.18}$	$-1.54^{+0.11}_{-0.09}$	$-1.63^{+0.07}_{-0.11}$	$-1.65^{+0.08}_{-0.07}$	$-1.58^{+0.06}_{-0.06}$
0.18–0.25	$-0.65^{+0.14}_{-0.16}$	$-1.08^{+0.27}_{-0.17}$	$-2.35^{+0.74}_{-3.65}$	$-1.41^{+0.09}_{-0.12}$	$-1.37^{+0.10}_{-0.15}$	$-1.54^{+0.10}_{-0.12}$	$-1.56^{+0.07}_{-0.10}$	$-1.57^{+0.04}_{-0.05}$	$-1.55^{+0.05}_{-0.06}$
0.25–0.36	$-0.73^{+0.05}_{-0.06}$	$-1.20^{+0.17}_{-0.09}$	$-1.75^{+0.22}_{-0.61}$	$-1.41^{+0.14}_{-0.07}$	$-1.42^{+0.10}_{-0.11}$	$-1.39^{+0.08}_{-0.10}$	$-1.66^{+0.07}_{-0.07}$	$-1.59^{+0.04}_{-0.06}$	$-1.65^{+0.06}_{-0.05}$
0.36–0.50	$-0.81^{+0.09}_{-0.08}$	$-1.29^{+0.22}_{-0.20}$	$-1.79^{+0.37}_{-0.68}$	$-1.68^{+0.09}_{-0.11}$	$-1.49^{+0.11}_{-0.09}$	$-1.47^{+0.09}_{-0.09}$	$-1.60^{+0.06}_{-0.06}$	$-1.58^{+0.04}_{-0.04}$	$-1.55^{+0.05}_{-0.06}$
0.50–0.71	$-0.86^{+0.23}_{-0.27}$	$-1.27^{+0.11}_{-0.21}$	$-1.54^{+0.27}_{-0.68}$	$-1.48^{+0.11}_{-0.11}$	$-1.54^{+0.12}_{-0.09}$	$-1.55^{+0.08}_{-0.07}$	$-1.58^{+0.06}_{-0.06}$	$-1.59^{+0.04}_{-0.04}$	$-1.63^{+0.04}_{-0.04}$
0.71–1.00	$-1.17^{+0.11}_{-0.17}$	$-1.37^{+0.14}_{-0.15}$	$-1.73^{+0.22}_{-0.35}$	$-1.58^{+0.09}_{-0.09}$	$-1.46^{+0.06}_{-0.08}$	$-1.67^{+0.08}_{-0.10}$	$-1.60^{+0.06}_{-0.07}$	$-1.59^{+0.03}_{-0.03}$	$-1.66^{+0.05}_{-0.05}$
1.00–1.42	$-1.41^{+0.17}_{-0.36}$	$-1.69^{+0.15}_{-0.18}$	$-1.44^{+0.20}_{-0.20}$	$-1.63^{+0.09}_{-0.09}$	$-1.61^{+0.09}_{-0.11}$	$-1.59^{+0.07}_{-0.08}$	$-1.62^{+0.07}_{-0.06}$	$-1.60^{+0.04}_{-0.04}$	$-1.66^{+0.04}_{-0.05}$
1.42–2.00	$-1.62^{+0.25}_{-0.26}$	$-1.43^{+0.11}_{-0.13}$	$-1.43^{+0.22}_{-0.18}$	$-1.64^{+0.09}_{-0.09}$	$-1.60^{+0.07}_{-0.07}$	$-1.58^{+0.06}_{-0.05}$	$-1.56^{+0.05}_{-0.05}$	$-1.59^{+0.04}_{-0.04}$	$-1.64^{+0.04}_{-0.04}$
2.00–2.83	$-1.76^{+0.21}_{-0.25}$	$-1.74^{+0.20}_{-0.38}$	$-1.49^{+0.10}_{-0.10}$	$-1.78^{+0.12}_{-0.15}$	$-1.52^{+0.09}_{-0.09}$	$-1.60^{+0.07}_{-0.07}$	$-1.61^{+0.05}_{-0.04}$	$-1.63^{+0.04}_{-0.04}$	$-1.64^{+0.03}_{-0.04}$
2.83–3.99	$-1.68^{+0.24}_{-0.26}$	$-1.60^{+0.19}_{-0.22}$	$-2.02^{+0.25}_{-0.32}$	$-1.71^{+0.09}_{-0.09}$	$-1.52^{+0.09}_{-0.08}$	$-1.77^{+0.06}_{-0.06}$	$-1.68^{+0.05}_{-0.06}$	$-1.59^{+0.03}_{-0.03}$	$-1.68^{+0.03}_{-0.03}$
3.99–5.64	$-1.49^{+0.11}_{-0.17}$	$-1.57^{+0.17}_{-0.13}$	$-1.60^{+0.15}_{-0.12}$	$-1.52^{+0.09}_{-0.09}$	$-1.56^{+0.06}_{-0.05}$	$-1.68^{+0.04}_{-0.05}$	$-1.64^{+0.04}_{-0.04}$	$-1.66^{+0.03}_{-0.03}$	$-1.66^{+0.03}_{-0.03}$
NV									
D (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	$-1.18^{+0.11}_{-0.22}$	$-1.37^{+0.15}_{-0.20}$	$-1.36^{+0.13}_{-0.15}$	$-1.54^{+0.14}_{-0.20}$	$-1.62^{+0.08}_{-0.06}$	$-1.52^{+0.07}_{-0.06}$	$-1.45^{+0.08}_{-0.07}$	$-1.53^{+0.04}_{-0.05}$	$-1.61^{+0.05}_{-0.04}$
0.13–0.18	$-1.30^{+0.21}_{-0.30}$	$-1.68^{+0.14}_{-0.12}$	$-1.51^{+0.29}_{-0.11}$	$-1.59^{+0.12}_{-0.11}$	$-1.62^{+0.04}_{-0.05}$	$-1.56^{+0.08}_{-0.06}$	$-1.49^{+0.06}_{-0.06}$	$-1.57^{+0.04}_{-0.05}$	$-1.61^{+0.04}_{-0.04}$
0.18–0.25	$-1.44^{+0.23}_{-0.25}$	$-1.70^{+0.19}_{-0.16}$	$-1.50^{+0.18}_{-0.16}$	$-1.52^{+0.13}_{-0.07}$	$-1.59^{+0.07}_{-0.09}$	$-1.49^{+0.10}_{-0.10}$	$-1.56^{+0.05}_{-0.05}$	$-1.60^{+0.05}_{-0.04}$	$-1.61^{+0.05}_{-0.03}$
0.25–0.36	$-1.46^{+0.19}_{-0.12}$	$-1.64^{+0.16}_{-0.14}$	$-1.62^{+0.13}_{-0.14}$	$-1.40^{+0.08}_{-0.12}$	$-1.68^{+0.07}_{-0.07}$	$-1.52^{+0.06}_{-0.07}$	$-1.54^{+0.06}_{-0.05}$	$-1.55^{+0.04}_{-0.05}$	$-1.61^{+0.03}_{-0.04}$
0.36–0.50	$-1.68^{+0.26}_{-0.24}$	$-1.69^{+0.22}_{-0.12}$	$-1.65^{+0.16}_{-0.14}$	$-1.49^{+0.10}_{-0.13}$	$-1.57^{+0.06}_{-0.06}$	$-1.56^{+0.05}_{-0.04}$	$-1.48^{+0.05}_{-0.04}$	$-1.55^{+0.03}_{-0.05}$	$-1.60^{+0.04}_{-0.03}$
0.50–0.71	$-1.45^{+0.10}_{-0.07}$	$-1.52^{+0.10}_{-0.20}$	$-1.81^{+0.12}_{-0.09}$	$-1.47^{+0.06}_{-0.08}$	$-1.55^{+0.06}_{-0.07}$	$-1.58^{+0.05}_{-0.05}$	$-1.48^{+0.05}_{-0.05}$	$-1.56^{+0.04}_{-0.04}$	$-1.53^{+0.03}_{-0.03}$
0.71–1.00	$-1.45^{+0.18}_{-0.12}$	$-1.67^{+0.16}_{-0.12}$	$-1.80^{+0.10}_{-0.15}$	$-1.66^{+0.10}_{-0.09}$	$-1.52^{+0.05}_{-0.09}$	$-1.58^{+0.04}_{-0.05}$	$-1.55^{+0.04}_{-0.04}$	$-1.56^{+0.03}_{-0.03}$	$-1.53^{+0.03}_{-0.03}$
1.00–1.42	$-1.44^{+0.11}_{-0.08}$	$-1.46^{+0.08}_{-0.09}$	$-1.59^{+0.13}_{-0.13}$	$-1.52^{+0.09}_{-0.14}$	$-1.60^{+0.06}_{-0.05}$	$-1.51^{+0.06}_{-0.05}$	$-1.59^{+0.04}_{-0.04}$	$-1.53^{+0.03}_{-0.03}$	$-1.53^{+0.03}_{-0.03}$
1.42–2.00	$-1.60^{+0.12}_{-0.14}$	$-1.59^{+0.08}_{-0.10}$	$-1.44^{+0.13}_{-0.20}$	$-1.79^{+0.04}_{-0.05}$	$-1.55^{+0.07}_{-0.09}$	$-1.54^{+0.06}_{-0.06}$	$-1.59^{+0.05}_{-0.04}$	$-1.48^{+0.03}_{-0.03}$	$-1.54^{+0.03}_{-0.03}$
2.00–2.83	$-1.50^{+0.11}_{-0.13}$	$-1.50^{+0.09}_{-0.07}$	$-1.39^{+0.13}_{-0.13}$	$-1.67^{+0.07}_{-0.06}$	$-1.62^{+0.05}_{-0.05}$	$-1.57^{+0.03}_{-0.04}$	$-1.57^{+0.04}_{-0.04}$	$-1.51^{+0.02}_{-0.02}$	$-1.52^{+0.02}_{-0.02}$
2.83–3.99	$-1.46^{+0.08}_{-0.08}$	$-1.50^{+0.09}_{-0.08}$	$-1.55^{+0.10}_{-0.11}$	$-1.55^{+0.06}_{-0.06}$	$-1.56^{+0.03}_{-0.03}$	$-1.49^{+0.03}_{-0.03}$	$-1.51^{+0.03}_{-0.03}$	$-1.54^{+0.02}_{-0.03}$	$-1.54^{+0.02}_{-0.02}$
3.99–5.64	$-1.55^{+0.08}_{-0.07}$	$-1.60^{+0.08}_{-0.06}$	$-1.53^{+0.08}_{-0.08}$	$-1.61^{+0.05}_{-0.05}$	$-1.63^{+0.04}_{-0.04}$	$-1.61^{+0.04}_{-0.04}$	$-1.59^{+0.03}_{-0.03}$	$-1.58^{+0.02}_{-0.02}$	$-1.58^{+0.02}_{-0.02}$

Table 3 – *continued*

Civ									
<i>D</i> (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	−1.77 ^{+0.63} _{−0.33}	−2.30 ^{+0.38} _{−0.31}	−3.09 ^{+0.46} _{−0.42}	−2.54 ^{+0.12} _{−0.24}	−2.51 ^{+0.14} _{−0.18}	−2.82 ^{+0.14} _{−0.17}	−2.86 ^{+0.08} _{−0.08}	−2.88 ^{+0.08} _{−0.09}	−2.85 ^{+0.06} _{−0.08}
0.13–0.18	−1.75 ^{+0.31} _{−0.49}	−2.67 ^{+0.45} _{−1.41}	−2.60 ^{+0.52} _{−0.42}	−2.81 ^{+0.21} _{−0.50}	−2.69 ^{+0.18} _{−0.21}	−2.82 ^{+0.15} _{−0.19}	−3.07 ^{+0.21} _{−0.15}	−2.89 ^{+0.10} _{−0.12}	−2.84 ^{+0.08} _{−0.08}
0.18–0.25	−1.60 ^{+0.35} _{−0.28}	−2.65 ^{+0.48} _{−0.67}	−2.60 ^{+0.16} _{−0.23}	−2.60 ^{+0.28} _{−0.28}	−2.70 ^{+0.17} _{−0.18}	−2.82 ^{+0.15} _{−0.16}	−2.77 ^{+0.08} _{−0.11}	−2.84 ^{+0.07} _{−0.09}	−2.82 ^{+0.07} _{−0.07}
0.25–0.36	−1.98 ^{+0.18} _{−0.25}	−2.92 ^{+0.35} _{−0.29}	−2.76 ^{+0.36} _{−0.79}	−2.78 ^{+0.20} _{−0.21}	−2.51 ^{+0.12} _{−0.15}	−2.73 ^{+0.13} _{−0.17}	−2.79 ^{+0.08} _{−0.09}	−2.82 ^{+0.07} _{−0.07}	−2.77 ^{+0.07} _{−0.04}
0.36–0.50	−2.17 ^{+0.19} _{−0.21}	−2.56 ^{+0.29} _{−0.31}	−2.61 ^{+0.25} _{−0.19}	−2.64 ^{+0.16} _{−0.23}	−2.67 ^{+0.12} _{−0.12}	−2.71 ^{+0.10} _{−0.13}	−2.79 ^{+0.07} _{−0.11}	−2.83 ^{+0.06} _{−0.07}	−2.82 ^{+0.05} _{−0.07}
0.50–0.71	−2.06 ^{+0.34} _{−0.22}	−2.54 ^{+0.26} _{−0.30}	−2.60 ^{+0.19} _{−0.31}	−2.76 ^{+0.12} _{−0.17}	−2.71 ^{+0.11} _{−0.14}	−2.95 ^{+0.14} _{−0.12}	−2.88 ^{+0.07} _{−0.08}	−2.86 ^{+0.06} _{−0.08}	−2.87 ^{+0.06} _{−0.09}
0.71–1.00	−2.36 ^{+0.18} _{−0.19}	−3.20 ^{+0.47} _{−0.39}	−2.83 ^{+0.44} _{−0.37}	−2.87 ^{+0.18} _{−0.17}	−2.89 ^{+0.11} _{−0.11}	−2.96 ^{+0.09} _{−0.11}	−2.93 ^{+0.04} _{−0.08}	−2.78 ^{+0.05} _{−0.05}	−2.88 ^{+0.05} _{−0.05}
1.00–1.42	−2.39 ^{+0.25} _{−0.24}	−3.04 ^{+0.17} _{−0.15}	−2.58 ^{+0.34} _{−0.49}	−3.16 ^{+0.15} _{−0.16}	−2.95 ^{+0.10} _{−0.10}	−2.97 ^{+0.06} _{−0.08}	−2.95 ^{+0.06} _{−0.07}	−2.76 ^{+0.04} _{−0.04}	−2.85 ^{+0.05} _{−0.05}
1.42–2.00	−2.65 ^{+0.23} _{−0.23}	−3.05 ^{+0.22} _{−0.19}	−2.71 ^{+0.30} _{−0.31}	−3.30 ^{+0.19} _{−0.38}	−3.08 ^{+0.15} _{−0.15}	−2.87 ^{+0.07} _{−0.07}	−2.97 ^{+0.06} _{−0.06}	−2.81 ^{+0.04} _{−0.05}	−2.90 ^{+0.04} _{−0.05}
2.00–2.83	−2.65 ^{+0.29} _{−0.32}	−2.97 ^{+0.13} _{−0.12}	−2.93 ^{+0.17} _{−0.17}	−3.14 ^{+0.15} _{−0.19}	−2.93 ^{+0.08} _{−0.09}	−2.93 ^{+0.07} _{−0.06}	−2.95 ^{+0.06} _{−0.05}	−2.84 ^{+0.05} _{−0.05}	−2.90 ^{+0.04} _{−0.04}
2.83–3.99	−2.74 ^{+0.19} _{−0.23}	−3.09 ^{+0.13} _{−0.15}	−3.04 ^{+0.10} _{−0.13}	−2.81 ^{+0.09} _{−0.11}	−2.85 ^{+0.08} _{−0.06}	−3.00 ^{+0.05} _{−0.06}	−2.89 ^{+0.05} _{−0.05}	−2.91 ^{+0.04} _{−0.05}	−2.90 ^{+0.04} _{−0.04}
3.99–5.64	−2.89 ^{+0.16} _{−0.19}	−3.00 ^{+0.17} _{−0.18}	−2.90 ^{+0.18} _{−0.20}	−2.77 ^{+0.09} _{−0.09}	−2.99 ^{+0.08} _{−0.08}	−2.92 ^{+0.04} _{−0.05}	−3.00 ^{+0.06} _{−0.05}	−2.87 ^{+0.03} _{−0.03}	−2.93 ^{+0.03} _{−0.04}
CIII									
<i>D</i> (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	−0.33 ^{+4.33} _{−0.35}	−0.60 ^{+0.59} _{−0.53}	−1.04 ^{+0.34} _{−0.31}	−1.20 ^{+0.18} _{−0.15}	−1.15 ^{+0.19} _{−0.22}	−1.53 ^{+0.14} _{−0.23}	−1.35 ^{+0.12} _{−0.11}	−1.31 ^{+0.11} _{−0.09}	−1.21 ^{+0.07} _{−0.09}
0.13–0.18	−0.40 ^{+0.66} _{−0.60}	−1.01 ^{+1.15} _{−0.23}	−1.02 ^{+0.17} _{−0.41}	−1.17 ^{+0.20} _{−0.20}	−1.23 ^{+0.20} _{−0.20}	−1.53 ^{+0.21} _{−0.24}	−1.35 ^{+0.11} _{−0.09}	−1.24 ^{+0.07} _{−0.09}	−1.29 ^{+0.07} _{−0.08}
0.18–0.25	−0.36 ^{+0.44} _{−0.28}	−0.84 ^{+0.38} _{−0.30}	−1.36 ^{+0.23} _{−0.12}	−1.30 ^{+0.11} _{−0.27}	−1.21 ^{+0.24} _{−0.19}	−1.46 ^{+0.18} _{−0.18}	−1.31 ^{+0.11} _{−0.12}	−1.34 ^{+0.07} _{−0.07}	−1.28 ^{+0.08} _{−0.07}
0.25–0.36	−0.78 ^{+0.40} _{−0.17}	−1.01 ^{+0.31} _{−0.28}	−1.53 ^{+0.20} _{−0.15}	−1.27 ^{+0.11} _{−0.15}	−1.35 ^{+0.19} _{−0.25}	−1.31 ^{+0.08} _{−0.10}	−1.34 ^{+0.08} _{−0.08}	−1.36 ^{+0.05} _{−0.07}	−1.25 ^{+0.06} _{−0.07}
0.36–0.50	−0.79 ^{+0.40} _{−0.31}	−1.28 ^{+0.36} _{−0.27}	−1.41 ^{+0.17} _{−0.07}	−1.15 ^{+0.18} _{−0.23}	−1.34 ^{+0.12} _{−0.13}	−1.32 ^{+0.12} _{−0.11}	−1.32 ^{+0.07} _{−0.08}	−1.32 ^{+0.06} _{−0.06}	−1.29 ^{+0.06} _{−0.07}
0.50–0.71	−0.63 ^{+0.28} _{−0.45}	−1.37 ^{+0.20} _{−0.28}	−1.34 ^{+0.37} _{−0.33}	−1.21 ^{+0.16} _{−0.13}	−1.53 ^{+0.15} _{−0.16}	−1.31 ^{+0.14} _{−0.12}	−1.26 ^{+0.06} _{−0.06}	−1.28 ^{+0.07} _{−0.06}	−1.26 ^{+0.06} _{−0.06}
0.71–1.00	−1.20 ^{+0.17} _{−0.18}	−1.23 ^{+0.24} _{−0.49}	−0.77 ^{+0.30} _{−0.31}	−1.28 ^{+0.17} _{−0.18}	−1.49 ^{+0.16} _{−0.09}	−1.34 ^{+0.10} _{−0.11}	−1.19 ^{+0.08} _{−0.08}	−1.27 ^{+0.07} _{−0.08}	−1.26 ^{+0.05} _{−0.05}
1.00–1.42	−1.50 ^{+0.29} _{−0.38}	−1.20 ^{+0.13} _{−0.16}	−0.98 ^{+0.21} _{−0.23}	−1.36 ^{+0.13} _{−0.15}	−1.35 ^{+0.09} _{−0.12}	−1.49 ^{+0.09} _{−0.09}	−1.22 ^{+0.08} _{−0.09}	−1.32 ^{+0.06} _{−0.05}	−1.27 ^{+0.06} _{−0.04}
1.42–2.00	−1.26 ^{+0.12} _{−0.12}	−1.46 ^{+0.16} _{−0.14}	−1.30 ^{+0.23} _{−0.15}	−1.57 ^{+0.10} _{−0.10}	−1.43 ^{+0.10} _{−0.10}	−1.46 ^{+0.08} _{−0.08}	−1.26 ^{+0.07} _{−0.07}	−1.30 ^{+0.05} _{−0.06}	−1.25 ^{+0.05} _{−0.05}
2.00–2.83	−0.92 ^{+0.17} _{−0.23}	−1.30 ^{+0.11} _{−0.19}	−1.28 ^{+0.14} _{−0.13}	−1.25 ^{+0.10} _{−0.11}	−1.24 ^{+0.11} _{−0.12}	−1.29 ^{+0.08} _{−0.08}	−1.24 ^{+0.06} _{−0.06}	−1.26 ^{+0.05} _{−0.04}	−1.28 ^{+0.05} _{−0.05}
2.83–3.99	−1.03 ^{+0.18} _{−0.20}	−1.44 ^{+0.29} _{−0.48}	−1.06 ^{+0.15} _{−0.18}	−1.32 ^{+0.10} _{−0.09}	−1.26 ^{+0.07} _{−0.07}	−1.36 ^{+0.07} _{−0.08}	−1.33 ^{+0.07} _{−0.06}	−1.27 ^{+0.04} _{−0.04}	−1.25 ^{+0.04} _{−0.04}
3.99–5.64	−1.47 ^{+0.17} _{−0.24}	−1.27 ^{+0.23} _{−0.35}	−1.15 ^{+0.15} _{−0.22}	−1.30 ^{+0.08} _{−0.09}	−1.24 ^{+0.09} _{−0.10}	−1.39 ^{+0.06} _{−0.06}	−1.32 ^{+0.04} _{−0.05}	−1.31 ^{+0.04} _{−0.04}	−1.18 ^{+0.04} _{−0.03}
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<i>D</i> (pMpc)	0.04–0.13	0.13–0.18	0.18–0.25	0.25–0.36	0.36–0.50	0.50–0.71	0.71–1.00	1.00–1.42	1.42–2.00
0.00–0.13	−2.47 ^{+0.46} _{−0.39}	−2.53 ^{+0.27} _{−3.47}	−3.10 ^{+0.31} _{−0.47}	−2.67 ^{+0.26} _{−0.50}	−2.63 ^{+0.13} _{−0.20}	−2.72 ^{+0.15} _{−0.18}	−6.00 ^{+2.25} _{−0.00}	−3.22 ^{+0.21} _{−0.34}	−2.94 ^{+0.10} _{−0.17}
0.13–0.18	−2.77 ^{+0.83} _{−3.23}	−2.33 ^{+0.17} _{−3.67}	−3.98 ^{+1.26} _{−2.02}	−3.33 ^{+0.67} _{−2.67}	−2.82 ^{+0.26} _{−0.32}	−3.05 ^{+0.32} _{−1.39}	−6.00 ^{+2.51} _{−0.00}	−2.97 ^{+0.14} _{−0.32}	−3.05 ^{+0.12} _{−0.21}
0.18–0.25	−2.11 ^{+0.49} _{−0.31}	−2.24 ^{+0.34} _{−0.37}	−3.38 ^{+0.57} _{−2.62}	−2.48 ^{+0.12} _{−0.26}	−2.67 ^{+0.20} _{−0.30}	−3.02 ^{+0.28} _{−0.54}	−4.02 ^{+0.69} _{−1.98}	−3.85 ^{+0.54} _{−2.15}	−2.98 ^{+0.13} _{−0.25}
0.25–0.36	−2.51 ^{+0.32} _{−0.49}	−2.39 ^{+0.16} _{−0.32}	−5.05 ^{+2.03} _{−0.95}	−3.04 ^{+0.33} _{−0.55}	−2.76 ^{+0.16} _{−0.24}	−3.30 ^{+0.48} _{−2.70}	−6.00 ^{+2.08} _{−0.00}	−3.06 ^{+0.16} _{−0.20}	−2.94 ^{+0.11} _{−0.12}
0.36–0.50	−2.69 ^{+0.31} _{−0.35}	−2.77 ^{+0.46} _{−0.78}	−2.95 ^{+0.33} _{−0.39}	−2.86 ^{+0.14} _{−3.14}	−2.79 ^{+0.19} _{−0.30}	−2.82 ^{+0.12} _{−0.35}	−3.79 ^{+0.49} _{−2.21}	−3.09 ^{+0.16} _{−0.17}	−3.37 ^{+0.19} _{−0.31}
0.50–0.71	−2.47 ^{+0.20} _{−0.21}	−2.60 ^{+0.15} _{−0.71}	−2.58 ^{+0.26} _{−0.49}	−2.94 ^{+0.27} _{−0.47}	−2.84 ^{+0.14} _{−0.19}	−3.30 ^{+0.30} _{−2.70}	−3.50 ^{+0.31} _{−1.23}	−3.39 ^{+0.20} _{−0.42}	−3.05 ^{+0.12} _{−0.15}
0.71–1.00	−2.51 ^{+0.21} _{−0.46}	−2.96 ^{+0.50} _{−3.04}	−2.62 ^{+0.29} _{−0.68}	−3.42 ^{+0.54} _{−2.58}	−3.36 ^{+0.23} _{−1.47}	−6.00 ^{+2.52} _{−0.00}	−3.17 ^{+0.17} _{−0.32}	−3.07 ^{+0.12} _{−0.18}	−3.09 ^{+0.10} _{−0.13}
1.00–1.42	−3.19 ^{+0.38} _{−2.81}	−2.89 ^{+0.24} _{−0.60}	−2.89 ^{+0.34} _{−1.00}	−3.12 ^{+0.32} _{−0.90}	−3.17 ^{+0.20} _{−0.36}	−3.21 ^{+0.20} _{−0.35}	−3.30 ^{+0.21} _{−0.33}	−3.11 ^{+0.11} _{−0.18}	−3.22 ^{+0.13} _{−0.17}
1.42–2.00	−3.50 ^{+0.53} _{−2.50}	−6.00 ^{+0.00} _{−0.00}	−2.93 ^{+0.34} _{−3.07}	−3.13 ^{+0.22} _{−0.72}	−3.54 ^{+0.33} _{−0.73}	−2.92 ^{+0.10} _{−0.18}	−3.10 ^{+0.13} _{−0.18}	−3.10 ^{+0.10} _{−0.12}	−3.12 ^{+0.08} _{−0.12}
2.00–2.83	−2.77 ^{+0.24} _{−0.44}	−6.00 ^{+2.04} _{−0.00}	−3.07 ^{+0.27} _{−0.78}	−4.11 ^{+0.85} _{−1.89}	−3.08 ^{+0.14} _{−0.27}	−3.31 ^{+0.26} _{−0.36}	−3.23 ^{+0.17} _{−0.19}	−3.03 ^{+0.07} _{−0.07}	−3.14 ^{+0.08} _{−0.10}
2.83–3.99	−3.27 ^{+0.29} _{−0.71}	−2.90 ^{+0.10} _{−0.22}	−3.51 ^{+0.38} _{−1.44}	−3.08 ^{+0.23} _{−0.67}	−3.26 ^{+0.21} _{−0.25}	−3.46 ^{+0.27} _{−0.58}	−2.95 ^{+0.07} _{−0.13}	−2.90 ^{+0.06} _{−0.06}	−3.19 ^{+0.08} _{−0.10}
3.99–5.64	−3.32 ^{+0.30} _{−1.81}	−6.00 ^{+2.56} _{−0.00}	−2.96 ^{+0.19} _{−0.23}	−2.96 ^{+0.09} _{−0.11}	−3.29 ^{+0.21} _{−0.34}	−3.15 ^{+0.11} _{−0.12}	−3.27 ^{+0.11} _{−0.13}	−3.06 ^{+0.06} _{−0.07}	−3.13 ^{+0.06} _{−0.08}