ULAS J1319+0959

Sys	ID	Ion	z	W_0 (Å)	log(N) (cm^{-2})	b (kms^{-1})	comp recovery rate %	system recovery rate %
1	a	MgII 2796	$2.26763 \pm 9.5 \times 10^{-5}$	0.078 ± 0.005	$12.41^{+0.11}_{-0.24}$	$7.95^{+7.50}_{-5.74}$		
		MgII 2803		0.045 ± 0.005				
2	a	MgII 2796	$2.30368 \pm 2.9 \times 10^{-5}$	0.193 ± 0.007	$12.73^{+0.17}_{-0.13}$	$34.4^{+12.7}_{-7.80}$		
		MgII 2803		0.097 ± 0.006				
2	b	MgII 2796	$2.30391 \pm 1.1 \times 10^{-5}$	0.104 ± 0.004	$12.77^{+0.16}_{-0.07}$	$4.79^{+0.57}_{-0.68}$		
		MgII 2803		0.074 ± 0.005				
3	a	MgII 2796	$2.40975 \pm 5.8 \times 10^{-5}$	0.173 ± 0.008	$12.69^{+0.06}_{-0.15}$	$29.3^{+2.97}_{-8.14}$		
		MgII 2803		0.092 ± 0.009				
3	b	MgII 2796	2.41060 ± 0.00105	0.145 ± 0.014	$12.30^{+0.29}_{-0.19}$	$78.1^{+1.75}_{-73.0}$		
		MgII 2803		0.072 ± 0.013				
3	c	MgII 2796	$2.41093 \pm 3.0 \times 10^{-5}$	0.097 ± 0.007	$12.65^{+0.00}_{-0.11}$	$12.9^{+0.28}_{-5.36}$		
		MgII 2803		0.058 ± 0.007				
4	a	MgII 2796	$3.28182 \pm 7.3 \times 10^{-5}$	0.176 ± 0.022	$13.47^{+0.07}_{-0.14}$	$5.69^{+0.18}_{-0.59}$		
		MgII 2803		0.155 ± 0.015				
4	b	MgII 2796	3.28214 ± 0.00050	0.176 ± 0.037	$12.69^{+0.21}_{-0.19}$	$34.6^{+9.17}_{-2.66}$		
		MgII 2803		0.093 ± 0.047				
4	c	MgI 2852	3.28200 ± 0.00011	0.059 ± 0.010	$12.26^{+0.39}_{-0.46}$	$2.00^{+0.50}_{-0.64}$		
5	a	MgII 2796	3.74477 ± 0.00096	0.024 ± 0.013	$12.09^{+0.73}_{-0.54}$	$1.00^{+0.05}_{--0.0}$		
		MgII 2803		0.017 ± 0.024				
5	b	MgII 2796	3.74494 ± 0.00077	0.032 ± 0.010	$12.93^{+0.33}_{-0.68}$	$1.08^{+0.08}_{-0.07}$		
		MgII 2803		0.029 ± 0.019				
6	a	MgII 2796	4.12256 ± 0.00053	0.164 ± 0.087	$12.72^{+0.13}_{-0.12}$	$13.0^{+6.30}_{-10.7}$		
		MgII 2803		0.074 ± 0.024				
6	b	MgII 2796	4.12306 ± 0.00325	0.103 ± 0.089	$12.42^{+0.13}_{-0.19}$	$26.1^{+9.66}_{-13.9}$		
		MgII 2803		0.055 ± 0.032				
7	a	MgII 2796	$4.21618 \pm 4.2 \times 10^{-5}$	0.189 ± 0.009	$12.81^{+0.07}_{-0.10}$	$15.5^{+2.73}_{-4.50}$		
		MgII 2803		0.113 ± 0.009				
7	b	MgII 2796	4.21681 ± 0.00011	0.033 ± 0.006	$12.19^{+0.27}_{-0.26}$	$2.03^{+0.21}_{-1.02}$		
		MgII 2803		0.023 ± 0.011				
7	c	AlII 1670	$4.21626 \pm 1.0 \times 10^{-5}$	0.018 ± 0.002	$12.37^{+0.70}_{-0.86}$	1.00^{+}_{-}		
7	d	MgI 2852	4.21570 ± 0.00040	0.046 ± 0.010	$12.20^{+0.63}_{-0.86}$	$1.54^{+0.23}_{-0.24}$		
7	d	MgI 2852	4.21592 ± 0.00021	0.021 ± 0.010	$11.56^{+1.45}_{-0.58}$	1.00^{+}_{-}		
8	a	MgII 2796	$4.56845 \pm 8.8 \times 10^{-5}$	0.254 ± 0.042	$12.82^{+0.10}_{-0.10}$	$27.6^{+7.77}_{-9.63}$		
		MgII 2803		0.117 ± 0.012				
8	b	FeII 2600	4.56848 ± 0.00012	0.059 ± 0.010	$12.64^{+0.27}_{-0.25}$	$26.1^{+17.0}_{-8.01}$		
		FeII 2586		0.017 ± 0.030				
		FeII 2382		0.057 ± 0.012				

		FeII 2344		0.026 ± 0.047		
		FeII 1608		0.005 ± 0.003		
		FeII 1260		0.001 ± 0.194		
9	b	CIV 1548	$4.61269 \pm 2.1 \times 10^{-5}$	0.050 ± 0.002	$13.17^{+0.82}_{-0.24}$	$20.3^{+11.2}_{-11.7}$
		CIV 1550		0.026 ± 0.002		
10	a	CIV 1548	$4.64473 \pm 1.4 \times 10^{-5}$	0.016 ± 0.001	$12.84^{+0.09}_{-0.54}$	$1.76^{+12.2}_{-0.76}$
		CIV 1550		0.010 ± 0.002		
10	b	CIV 1548	$4.65322 \pm 4.1 \times 10^{-5}$	0.020 ± 0.001	$12.78^{+0.35}_{-0.15}$	$13.4^{+21.2}_{-12.4}$
		CIV 1550		0.011 ± 0.002		
11	a	MgII 2796	$4.66297 \pm 5.7 \times 10^{-5}$	0.123 ± 0.069	$13.20^{+0.33}_{-0.21}$	$3.65^{+0.20}_{-0.77}$
		MgII 2803		0.095 ± 0.010		
11	b	MgII 2796	4.66378 ± 0.00023	0.129 ± 0.017	$12.59^{+0.14}_{-0.14}$	$33.1^{+2.31}_{--2.7}$
		MgII 2803		0.068 ± 0.011		
11	c	MgII 2796	4.66522 ± 0.00010	0.055 ± 0.020	$14.15^{+0.82}_{-0.89}$	1.00^{+}_{-}
		MgII 2803		0.052 ± 0.011		
11	d	CIV 1548	4.66085 ± 0.00010	0.068 ± 0.005	$13.29^{+0.22}_{-0.38}$	$49.9^{+11.9}_{-13.8}$
		CIV 1550		0.035 ± 0.005		
11	e	CIV 1548	$4.66298 \pm 2.2 \times 10^{-5}$	0.020 ± 0.001	$12.94^{+0.01}_{-0.13}$	$2.40^{+1.55}_{-0.10}$
		CIV 1550		0.013 ± 0.002		
11	f	CIV 1548	4.66387 ± 0.00239	0.079 ± 0.006	$13.36^{+0.10}_{-0.20}$	$67.7^{+14.7}_{-0.05}$
		CIV 1550		0.042 ± 0.005		
11	g	CIV 1548	4.66518 ± 0.00079	0.070 ± 0.005	$13.31^{+0.18}_{-0.17}$	$49.2^{+28.8}_{-4.28}$
		CIV 1550		0.036 ± 0.003		
12	a	CIV 1548	$4.71658 \pm 2.0 \times 10^{-5}$	0.096 ± 0.003	$13.51^{+0.12}_{-0.10}$	$21.8^{+8.22}_{-4.79}$
		CIV 1550		0.055 ± 0.003		
13	a	CIV 1548	$4.80374 \pm 1.7 \times 10^{-5}$	0.016 ± 0.002	$12.89^{+0.44}_{-0.61}$	$1.58^{+0.30}_{-0.56}$
		CIV 1550		0.011 ± 0.002		
14	a	CIV 1548	$5.26429 \pm 7.0 \times 10^{-5}$	0.070 ± 0.006	$13.30^{+0.30}_{-0.24}$	$35.0^{+35.5}_{-14.3}$
		CIV 1550		0.036 ± 0.009		
14	b	SiIV 1393	5.26273 ± 0.00020	0.038 ± 0.002	$12.70^{+0.37}_{-0.60}$	$62.0^{+6.33}_{-31.0}$
		SiIV 1402		0.020 ± 0.003		
14	c	SiIV 1393	$5.26453 \pm 5.8 \times 10^{-5}$	0.033 ± 0.002	$12.61^{+0.05}_{-0.30}$	$25.7^{+0.04}_{-10.2}$
		SiIV 1402		0.017 ± 0.002		
15	a	CIV 1548	$5.33535 \pm 5.6 \times 10^{-5}$	0.051 ± 0.005	$13.18^{+0.22}_{-0.22}$	$19.6^{+12.9}_{-8.42}$
		CIV 1550		0.027 ± 0.005		
16	a	MgII 2796	5.37478 ± 0.00011	0.048 ± 0.009	$13.53^{+0.65}_{-0.73}$	$1.18^{+0.13}_{-0.18}$
		MgII 2803		0.044 ± 0.012		
16	b	MgII 2796	$5.37518 \pm 9.6 \times 10^{-5}$	0.034 ± 0.007	$13.12^{+0.81}_{-0.79}$	$1.00^{+0.18}_{-0.00}$
		MgII 2803		0.034 ± 0.011		
16	c	CIV 1548	5.37406 ± 0.00084	0.040 ± 0.009	$13.04^{+0.42}_{-0.64}$	$68.7^{+15.7}_{-7.33}$
		CIV 1550		0.020 ± 0.012		
16	d	CIV 1548	$5.37498 \pm 4.6 \times 10^{-5}$	0.067 ± 0.005	$13.38^{+0.00}_{-14.6}$	$14.3^{+1.48}_{-2.94}$
		CIV 1550		0.038 ± 0.007		
16	e	SiIV 1393	$5.37426 \pm 7.7 \times 10^{-5}$	0.017 ± 0.002	$12.37^{+0.63}_{-0.41}$	$12.0^{+43.4}_{-3.93}$
		SiIV 1402		0.009 ± 0.002		

16	f	SiIV 1393	$5.37509 \pm 1.5 \times 10^{-5}$	0.071 ± 0.002	$13.25^{+0.07}_{-0.06}$	$6.85^{+1.76}_{-1.29}$
		SiIV 1402		0.048 ± 0.002		
16	g	AlII 1670	5.37497 ± 0.00759	0.015 ± 0.004	$11.96^{+0.32}_{-0.48}$	$1.38^{+0.74}_{-0.38}$
17	s	MgII 2796	$5.44109 \pm 9.7 \times 10^{-5}$	0.156 ± 0.040	$12.69^{+0.12}_{-0.13}$	$14.8^{+5.30}_{-9.47}$
		MgII 2803		0.089 ± 0.024		
17	b	AlII 1670	5.44057 ± 0.01040	0.019 ± 0.004	$12.12^{+0.28}_{-0.35}$	$1.70^{+0.55}_{-0.70}$
17	b	AlII 1670	5.44129 ± 0.01090	0.021 ± 0.006	$11.96^{+0.29}_{-0.39}$	$1.49^{+0.78}_{-0.49}$
18	a	CIV 1548	5.57037 ± 0.00033	0.189 ± 0.061	$13.70^{+0.15}_{-0.14}$	$49.9^{+13.3}_{-7.43}$
		CIV 1550		0.102 ± 0.043		
18	b	CIV 1548	5.57377 ± 0.00016	0.278 ± 0.034	$14.09^{+0.07}_{-0.07}$	$46.5^{+3.44}_{-3.17}$
		CIV 1550		0.223 ± 0.072		
18	c	SiIV 1393	$5.57048 \pm 3.0 \times 10^{-5}$	0.062 ± 0.003	$12.95^{+0.18}_{-0.18}$	$22.1^{+10.2}_{-7.15}$
		SiIV 1402		0.034 ± 0.003		
18	d	SiIV 1393	$5.57358 \pm 1.0 \times 10^{-5}$	0.149 ± 0.003	$13.51^{+0.07}_{-0.07}$	$15.6^{+1.40}_{-1.38}$
		SiIV 1402		0.099 ± 0.002		
18	e	SiIV 1393	$5.57450 \pm 2.0 \times 10^{-5}$	0.030 ± 0.003	$13.16^{+0.40}_{-0.21}$	$2.15^{+0.01}_{-0.34}$
		SiIV 1402		0.024 ± 0.002		
18	f	CII 1334	$5.57374 \pm 1.0 \times 10^{-5}$	0.092 ± 0.001	$13.96^{+0.04}_{-0.03}$	$10.9^{+0.27}_{-1.53}$
		CII 1036		0.060 ± 0.540		
18	g	AlII 1670	$5.57365 \pm 7.5 \times 10^{-5}$	0.045 ± 0.004	$12.19^{+0.18}_{-0.16}$	$20.6^{+9.53}_{-4.71}$
19	a	MgII 2796	5.92512 ± 0.00029	0.122 ± 0.088	$14.20^{+0.52}_{-0.52}$	$2.88^{+0.17}_{-0.29}$
		MgII 2803		0.106 ± 0.055		
19	b	MgII 2796	5.92580 ± 0.00032	0.165 ± 0.096	$13.10^{+0.07}_{-0.08}$	$7.43^{+1.13}_{-1.77}$
		MgII 2803		0.129 ± 0.052		