Student Growth Percentile Goodness–of–Fit Descriptives
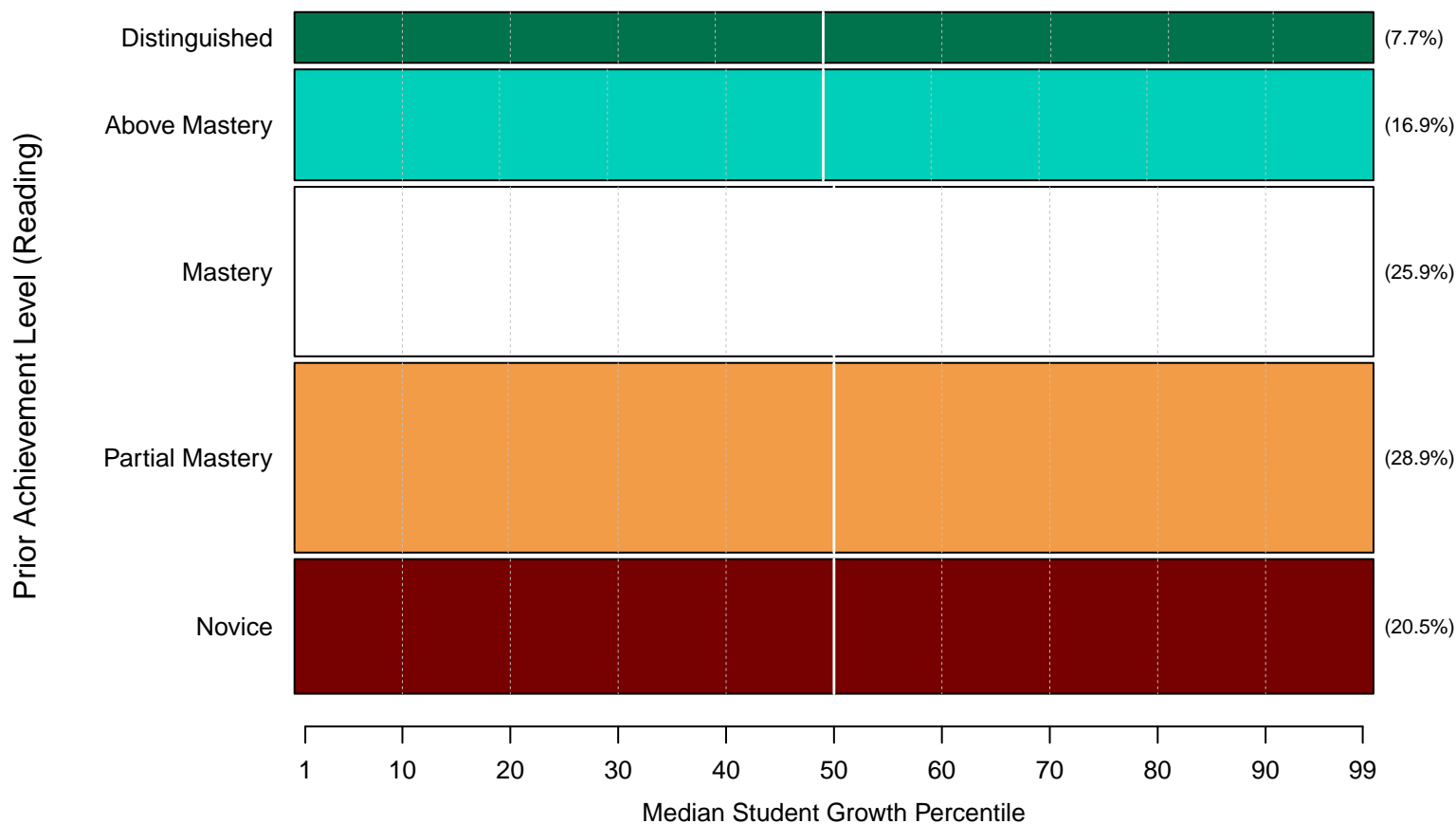## 2012–2013 Reading SGP, Grade 8 (N = 18,518)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading):
- Distinguished (7.7%)
- Above Mastery (16.9%)
- Mastery (25.9%)
- Partial Mastery (28.9%)
- Novice (20.5%)

X-axis: Median Student Growth Percentile (1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99)

Student Growth Percentile Range

Prior Scale Score Decile/Range *	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[142,427)	9.28	10.45	10.01	10.51	10.56	9.56	9.89	10.01	9.78	9.95	(9.7%)
2nd/[427,446)	9.57	9.15	10.68	9.89	9.68	9.99	9.63	9.94	10.68	10.78	(10.3%)
3rd/[446,459)	10.58	10.17	10.17	9.06	10.11	9.99	9.99	10.11	8.95	10.87	(9.3%)
4th/[459,469)	9.62	10.02	9.33	10.48	9.85	10.20	10.54	9.97	10.37	9.62	(9.4%)
5th/[469,479)	9.43	10.32	9.48	9.63	9.78	9.93	9.58	11.17	10.17	10.52	(10.9%)
6th/[479,488)	9.69	10.50	10.61	10.18	10.12	9.75	9.64	9.37	9.91	10.23	(10%)
7th/[488,498)	9.64	9.21	9.75	9.69	10.55	10.66	10.29	9.59	10.39	10.23	(10%)
8th/[498,510)	10.01	10.42	9.13	10.53	9.24	9.80	10.06	9.49	10.37	10.94	(10.5%)
9th/[510,524)	9.09	10.28	10.45	9.26	10.34	10.05	9.94	10.96	8.97	10.68	(9.5%)
10th/[524,666]	10.19	9.78	9.73	10.55	10.71	9.62	9.73	9.52	9.57	10.60	(10.5%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0 to 100)
Empirical SGP Distribution (0 to 100)