Student Growth Percentile Goodness–of–Fit Descriptives
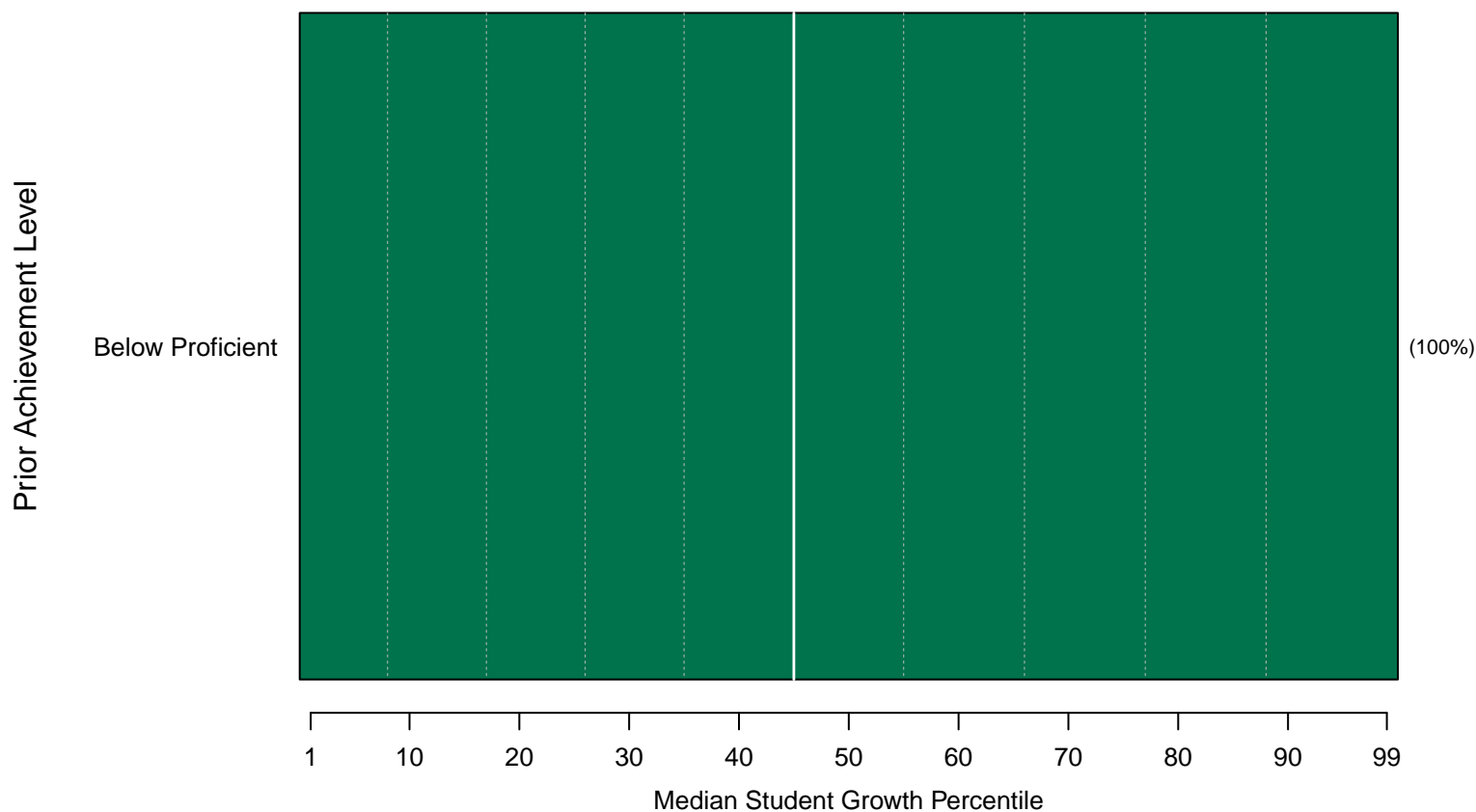## 2009–2010 Reading SGP, Grade 8 (N = 14,685)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Below Proficient — (100%)

Median Student Growth Percentile

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/[700,733)	11.96	12.34	10.89	11.58	10.05	9.90	8.23	8.83	7.08	9.14	(8.9%)
2nd/[733,739)	12.41	11.48	11.68	11.02	11.02	9.42	8.49	8.29	8.43	7.76	(10.3%)
3rd/[739,743)	12.97	10.39	11.58	10.59	9.07	8.34	9.00	8.80	9.53	9.73	(10.3%)
4th/[743,746)	11.19	11.97	9.62	10.76	9.27	9.19	8.70	9.84	9.34	10.12	(9.6%)
5th/[746,750)	10.53	10.53	9.83	10.66	10.02	10.02	10.02	10.02	9.76	8.62	(10.7%)
6th/[750,751)	11.43	13.38	9.25	9.14	10.77	9.79	9.58	8.60	9.47	8.60	(6.3%)
7th/[751,755)	11.27	9.05	11.60	11.43	9.21	9.32	9.66	9.60	9.54	9.32	(12.3%)
8th/[755,759)	10.58	10.32	9.79	10.58	9.66	9.33	10.78	10.45	9.72	8.80	(10.3%)
9th/[759,763)	10.51	10.60	10.10	12.09	11.75	10.51	8.61	9.60	8.44	7.78	(8.2%)
10th/[763,780]	12.66	12.30	11.32	10.81	9.21	9.88	10.19	8.13	7.72	7.77	(13.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution