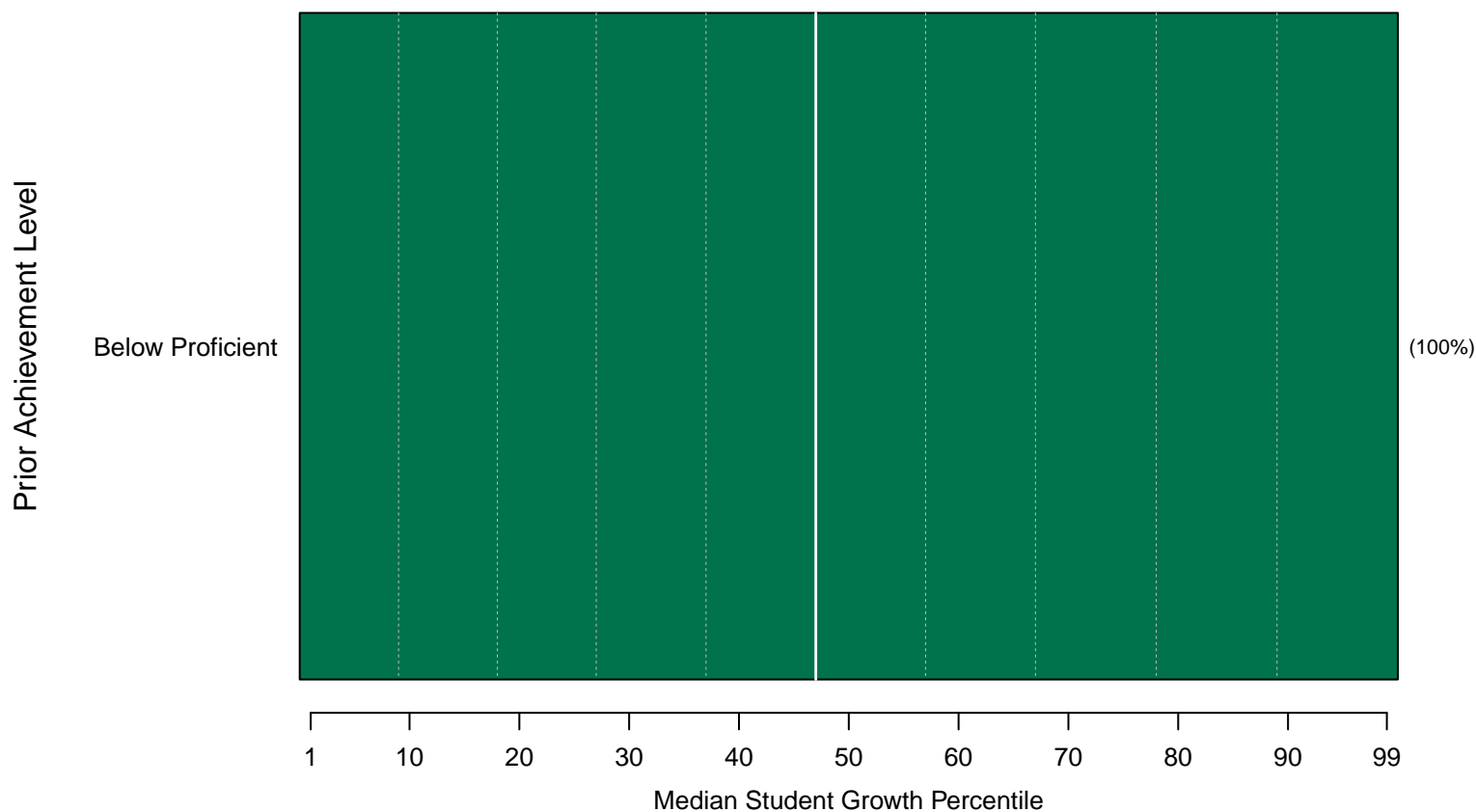# Student Growth Percentile Goodness–of–Fit Descriptives
2007–2008 Reading SGP, Grade 4 (N = 14,094)

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/[300,331)	12.33	11.00	10.29	9.19	9.90	8.41	11.23	8.88	9.66	9.11	(9%)
2nd/[331,337)	10.43	10.43	9.98	11.78	7.55	9.44	9.44	9.80	10.88	10.25	(7.9%)
3rd/[337,342)	9.24	8.76	12.36	9.66	10.80	11.28	8.76	9.96	9.24	9.90	(11.8%)
4th/[342,345)	10.42	9.53	10.74	9.94	13.33	6.46	10.82	10.58	10.50	7.67	(8.8%)
5th/[345,348)	9.70	11.64	11.83	9.63	4.27	15.26	9.24	8.53	8.92	10.99	(11%)
6th/[348,350)	10.23	9.77	10.31	7.08	16.31	6.62	11.85	6.92	10.92	10.00	(9.2%)
7th/[350,353)	10.66	10.44	9.87	11.52	6.80	9.01	13.02	12.02	5.22	11.44	(9.9%)
8th/[353,356)	9.47	11.84	10.36	11.99	13.47	8.96	9.62	3.77	12.95	7.55	(9.6%)
9th/[356,361)	9.25	14.99	11.56	9.40	10.59	10.81	4.77	11.93	7.01	9.69	(9.5%)
10th/[361,380]	13.17	12.31	13.12	10.87	9.15	9.31	7.98	8.89	9.05	6.16	(13.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution