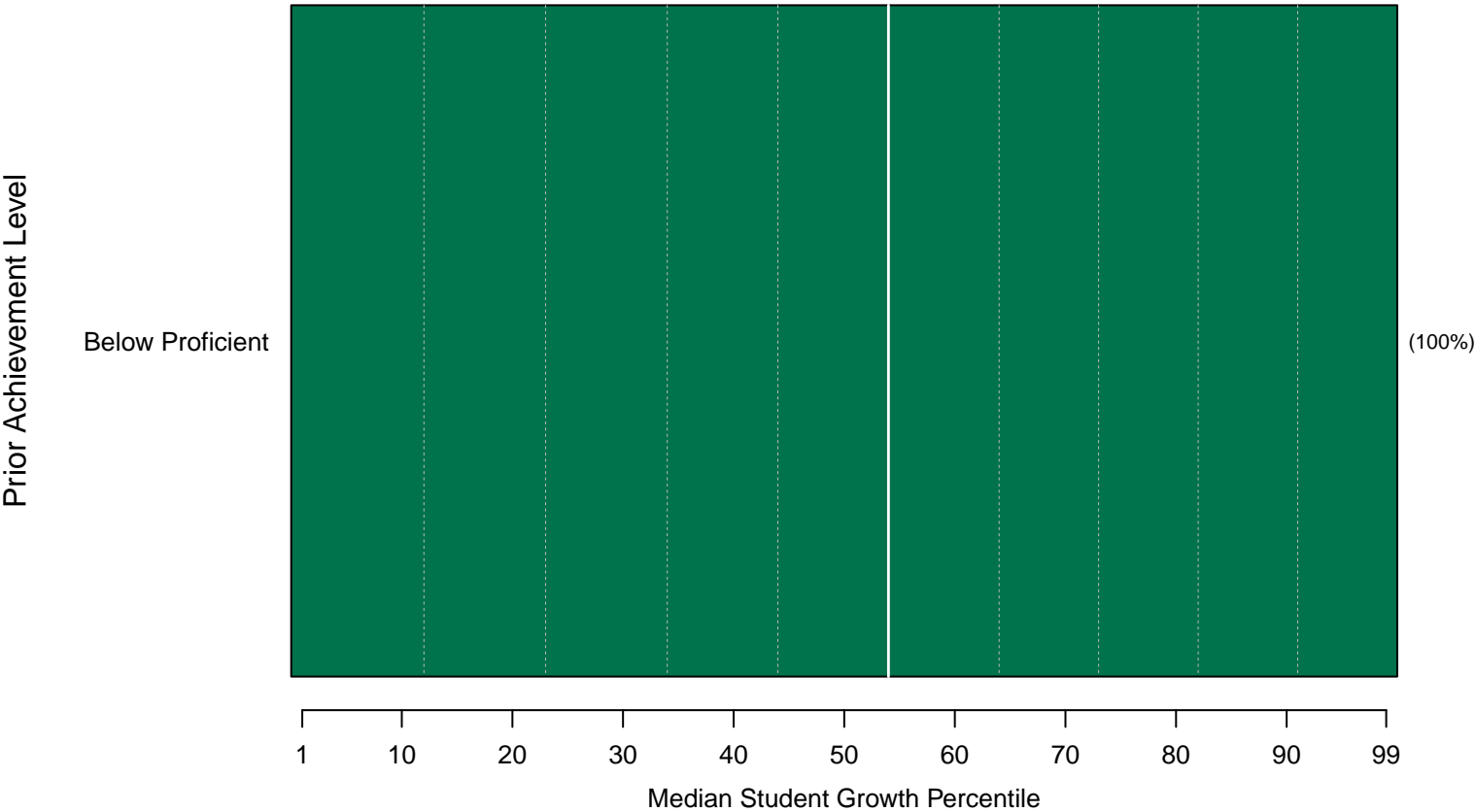# Student Growth Percentile Goodness–of–Fit Descriptives

2009–2010 Mathematics SGP, Grade 6 (N = 14,195)

SGP Deciles by Prior Achievement Level

Prior Achievement Level

Below Proficient

(100%)

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/[500,531)	8.10	9.67	8.88	9.28	9.20	9.83	10.77	10.93	12.03	11.32	(9%)
2nd/[531,537)	6.93	8.39	8.39	9.08	9.70	10.19	10.12	11.37	12.40	13.44	(10.2%)
3rd/[537,541)	8.91	8.98	9.43	8.53	9.74	11.85	10.79	10.04	11.09	10.64	(9.3%)
4th/[541,544)	7.91	7.78	8.23	10.06	9.05	10.51	11.01	10.95	11.46	13.04	(11.1%)
5th/[544,547)	7.19	8.88	8.22	8.88	10.93	10.49	10.20	10.86	11.01	13.35	(9.6%)
6th/[547,549)	6.90	9.29	10.15	11.49	10.25	8.81	11.40	10.34	9.67	11.69	(7.4%)
7th/[549,552)	7.21	9.23	9.29	10.27	9.18	9.95	11.97	10.27	11.69	10.93	(12.9%)
8th/[552,555)	7.65	7.85	9.73	9.87	11.07	10.13	10.87	11.68	9.60	11.54	(10.5%)
9th/[555,559)	7.96	10.76	9.43	9.95	9.80	8.84	10.54	11.05	10.10	11.57	(9.6%)
10th/[559,580]	8.58	8.38	9.86	10.40	9.99	9.52	10.87	11.54	9.73	11.13	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0   10   20   30   40   50   60   70   80   90   100

Empirical SGP Distribution