Student Growth Percentile Goodness–of–Fit Descriptives
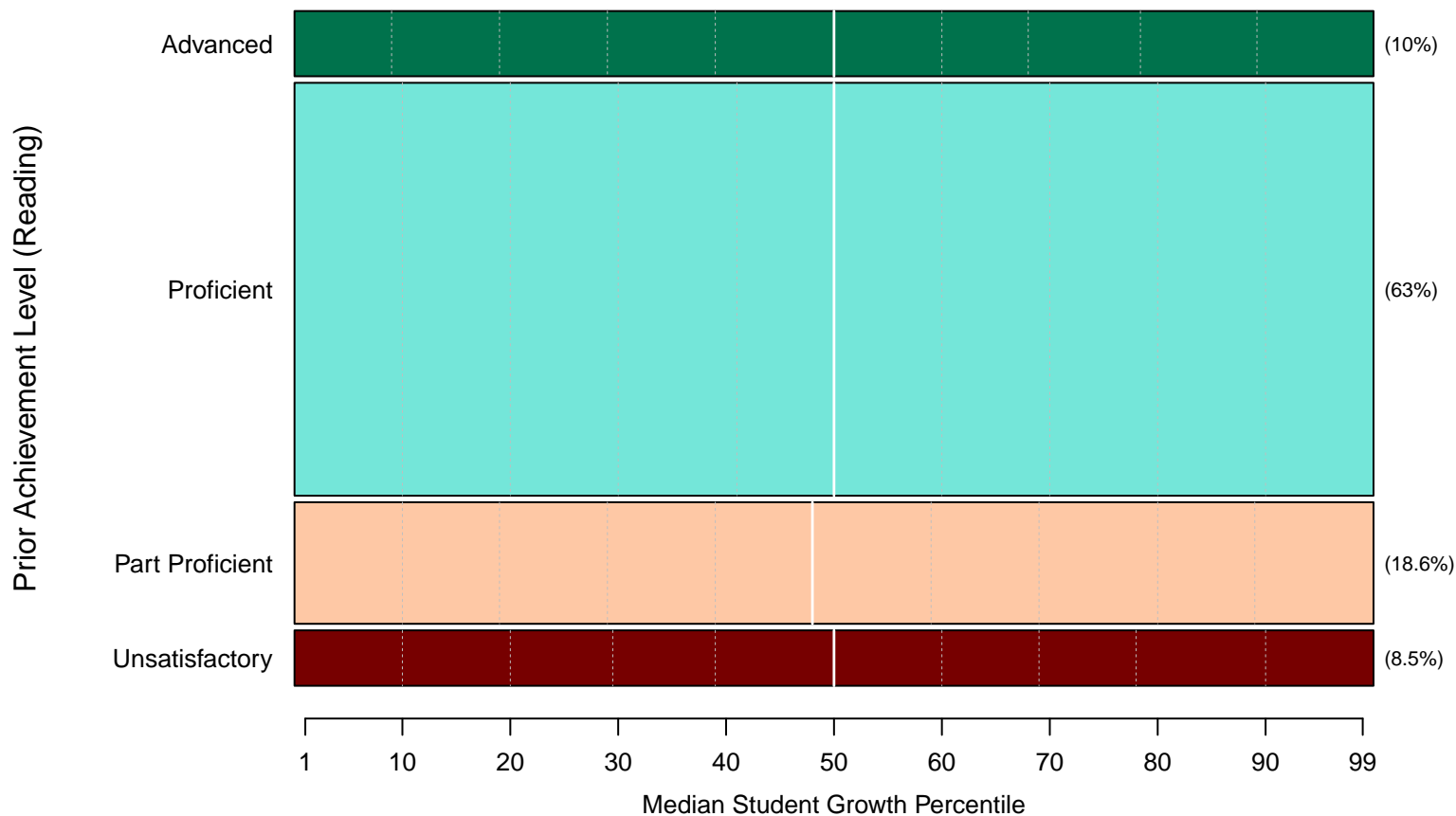## 2009–2010 Reading SGP, Grade 8 (N = 4,208)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced (10%)
- Proficient (63%)
- Part Proficient (18.6%)
- Unsatisfactory (8.5%)

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/[300,573)	9.35	10.31	9.83	10.31	9.59	11.03	10.31	10.55	8.63	10.07	(9.9%)
2nd/[573,605)	9.43	9.43	10.38	9.91	10.38	10.85	9.20	9.20	12.03	9.20	(10.1%)
3rd/[605,624)	10.00	12.00	9.50	9.75	10.25	7.75	10.00	10.50	9.50	10.75	(9.5%)
4th/[624,639)	9.40	8.67	9.40	8.92	9.64	12.77	10.12	9.40	9.88	11.81	(9.9%)
5th/[639,654)	10.31	9.19	8.74	11.21	8.30	10.31	10.09	11.21	9.64	10.99	(10.6%)
6th/[654,666)	9.18	11.22	10.97	8.42	11.73	9.18	10.97	8.67	10.46	9.18	(9.3%)
7th/[666,680)	8.91	8.46	9.80	11.14	10.02	9.13	10.91	9.58	11.14	10.91	(10.7%)
8th/[680,694)	11.82	10.64	9.93	12.53	11.82	9.69	8.51	8.27	6.62	10.17	(10.1%)
9th/[694,715)	9.18	8.94	11.11	7.25	9.18	10.14	9.90	11.35	11.35	11.59	(9.8%)
10th/[715,842]	10.51	10.05	9.58	9.58	9.81	9.81	11.68	9.35	9.58	10.05	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution