Student Growth Percentile Goodness–of–Fit Descriptives
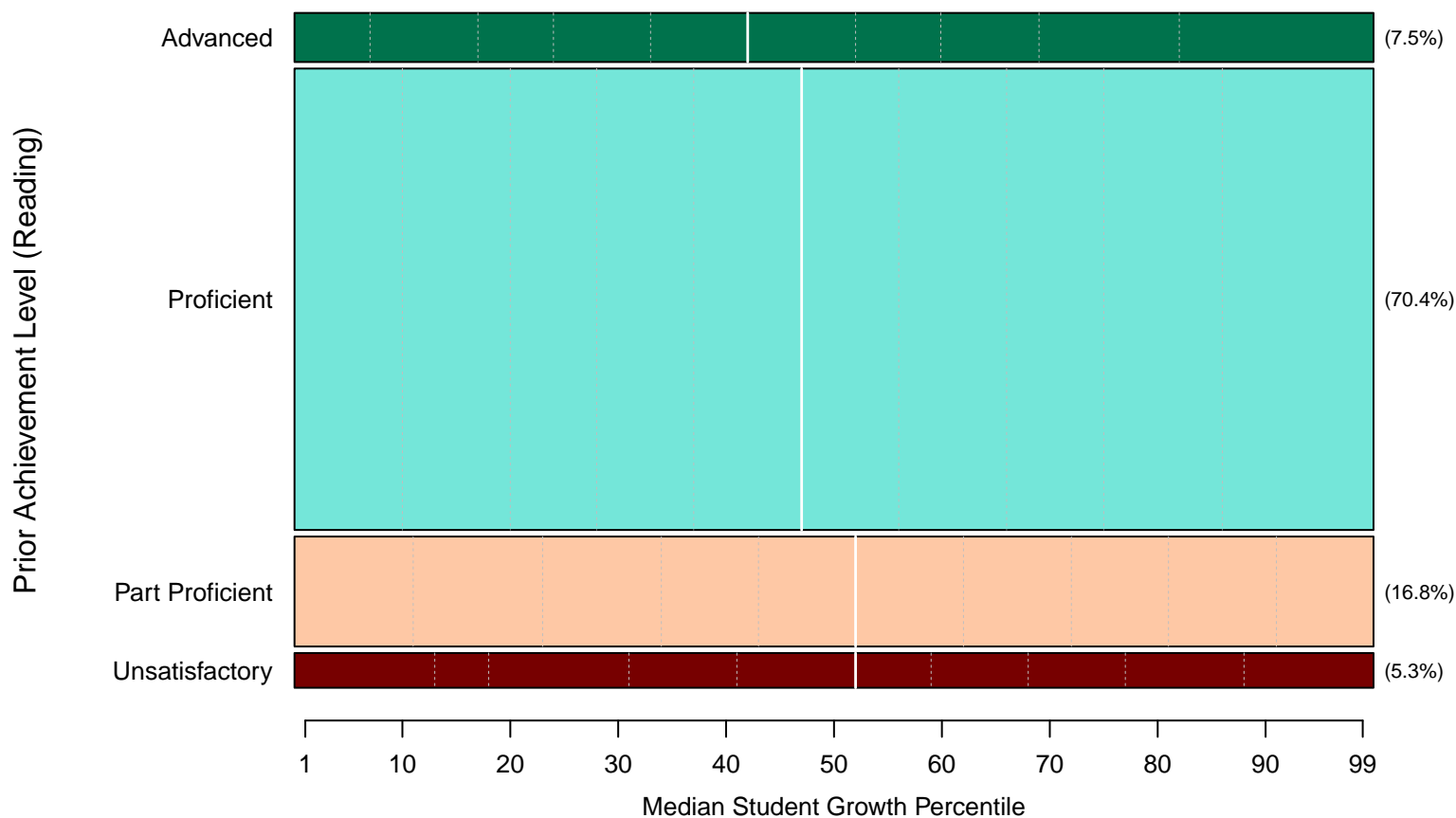## 2009–2010 Reading SGP, Grade 10 (N = 3,980)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Reading)

- Advanced (7.5%)
- Proficient (70.4%)
- Part Proficient (16.8%)
- Unsatisfactory (5.3%)

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/[350,613)	7.83	13.64	9.34	10.35	9.34	10.10	10.61	11.62	8.84	8.33	(9.9%)
2nd/[613,637)	7.89	7.89	7.89	8.68	10.53	10.53	10.00	10.00	11.84	14.74	(9.5%)
3rd/[637,653)	8.73	8.98	9.98	8.48	13.22	10.97	12.22	10.47	8.73	8.23	(10.1%)
4th/[653,667)	8.44	9.72	11.51	9.46	11.51	11.51	10.49	12.02	9.72	5.63	(9.8%)
5th/[667,678)	9.24	9.95	10.90	9.00	11.14	8.06	12.56	9.95	10.19	9.00	(10.6%)
6th/[678,691)	7.07	10.35	9.85	12.12	13.89	12.37	8.08	9.60	8.84	7.83	(9.9%)
7th/[691,702)	9.56	9.30	11.63	10.08	11.63	7.75	12.40	11.63	8.01	8.01	(9.7%)
8th/[702,715)	10.35	10.35	16.92	11.36	10.35	8.84	9.60	8.59	9.34	4.29	(9.9%)
9th/[715,732)	11.66	12.66	9.68	10.67	9.18	10.17	10.17	10.17	10.42	5.21	(10.1%)
10th/[732,830]	12.99	11.76	10.54	12.50	9.80	12.01	10.05	8.58	7.84	3.92	(10.3%)

*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