Student Growth Percentile Goodness–of–Fit Descriptives
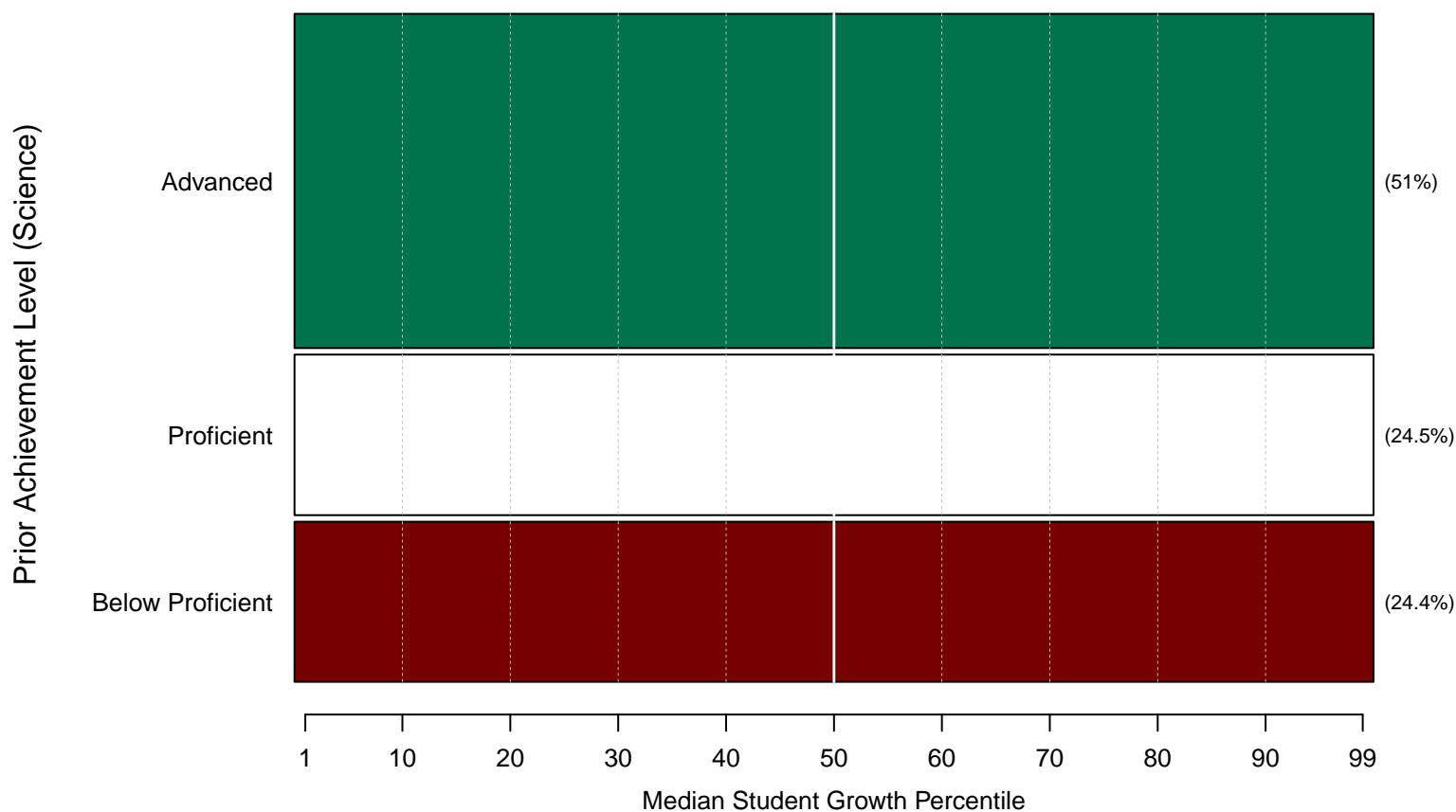## 2013 Science SGP, Grade 7 (N = 41,809)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (51%)
- Proficient (24.5%)
- Below Proficient (24.4%)

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/[130,153)	9.65	10.02	9.89	10.37	9.89	9.76	9.38	10.18	10.50	10.34	(9%)
2nd/[153,158)	9.43	10.07	9.59	9.38	10.01	10.49	10.70	9.56	9.72	11.04	(9.1%)
3rd/[158,162)	9.71	9.79	10.34	10.29	10.32	9.73	9.58	9.71	9.94	10.59	(11.5%)
4th/[162,164)	9.24	10.37	9.45	10.66	9.87	9.85	10.08	10.26	9.95	10.26	(9.1%)
5th/[164,167)	9.77	10.33	10.37	9.24	9.47	9.87	9.43	10.63	10.54	10.35	(10.4%)
6th/[167,169)	9.46	9.40	10.49	10.08	10.02	10.37	10.14	10.40	9.22	10.43	(8.1%)
7th/[169,172)	9.06	9.64	9.44	9.93	10.42	10.02	10.29	8.82	10.45	11.92	(8.8%)
8th/[172,176)	9.70	10.40	10.24	9.96	9.89	9.89	9.86	10.07	10.08	9.91	(13.8%)
9th/[176,181)	9.41	9.46	9.49	9.94	9.62	10.08	9.59	10.75	10.62	11.05	(8.9%)
10th/[181,199]	9.49	10.01	10.36	9.80	10.30	9.88	10.32	9.80	9.84	10.20	(11.5%)

*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