Student Growth Percentile Goodness–of–Fit Descriptives
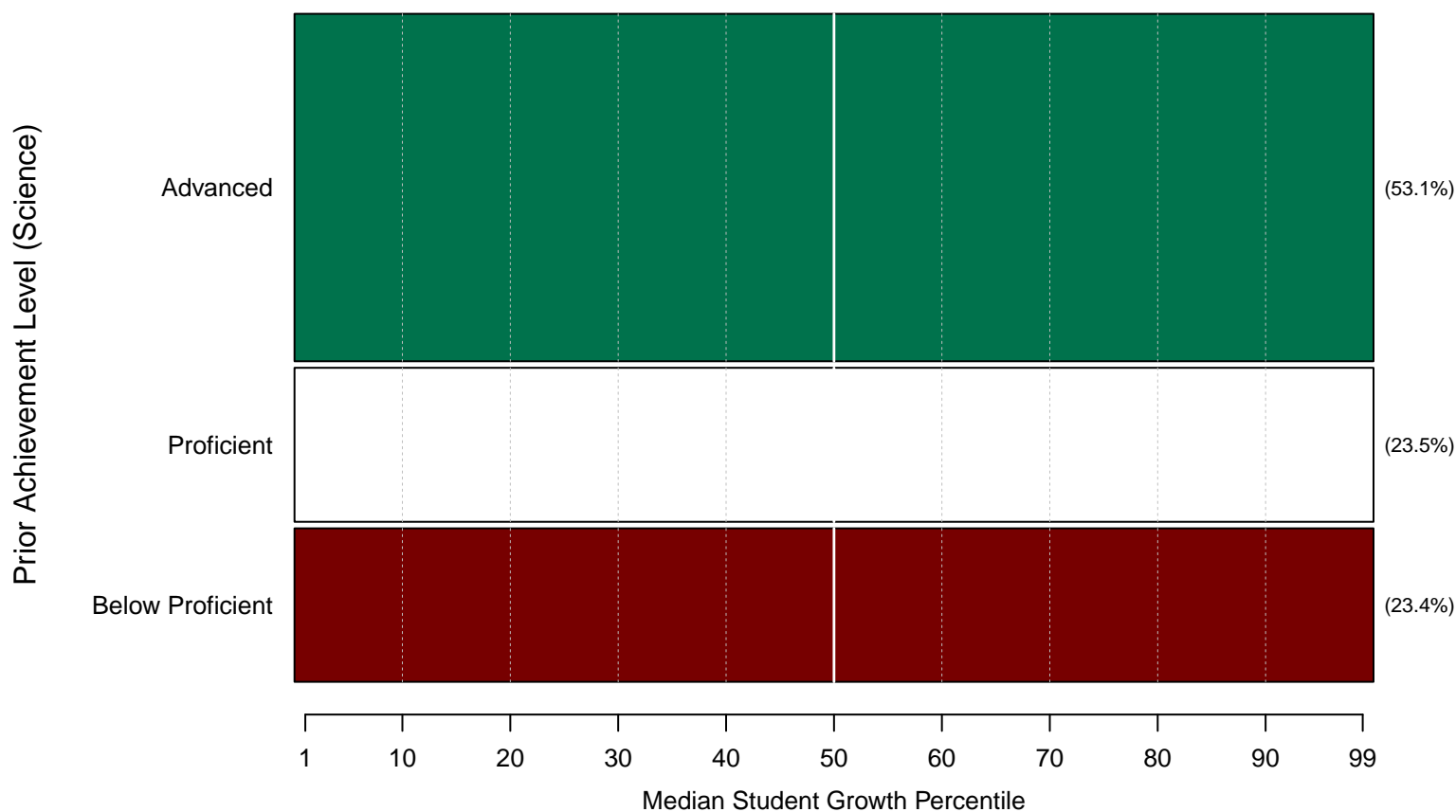## 2013 Science SGP, Grade 8 (N = 41,168)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (53.1%)
- Proficient (23.5%)
- Below Proficient (23.4%)

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/[130,152)	9.72	10.04	9.48	10.60	9.88	10.28	9.99	9.96	9.96	10.09	(9%)
2nd/[152,158)	9.10	9.79	10.70	9.64	9.84	9.91	10.23	10.13	9.84	10.84	(9.9%)
3rd/[158,162)	10.02	10.47	9.76	10.02	10.52	9.22	9.05	10.11	10.56	10.28	(10.3%)
4th/[162,165)	9.37	10.02	10.25	9.86	9.83	10.69	9.89	10.12	9.94	10.04	(9.4%)
5th/[165,167)	9.80	9.71	10.18	9.80	9.54	10.21	11.34	9.42	9.54	10.47	(8.4%)
6th/[167,170)	9.40	9.59	9.54	9.80	10.15	10.36	9.91	10.05	9.71	11.49	(10.5%)
7th/[170,174)	9.87	10.41	10.57	10.01	10.07	10.10	9.00	10.24	10.26	9.47	(12.5%)
8th/[174,177)	9.96	10.40	9.60	10.53	10.61	8.85	9.11	10.30	10.74	9.89	(9.4%)
9th/[177,182)	8.83	9.80	10.26	9.91	9.85	10.72	11.16	9.57	9.75	10.14	(9.5%)
10th/[182,199]	9.66	10.14	10.03	9.92	10.07	10.07	9.85	9.61	9.77	10.88	(11.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution