Student Growth Percentile Goodness–of–Fit Descriptives
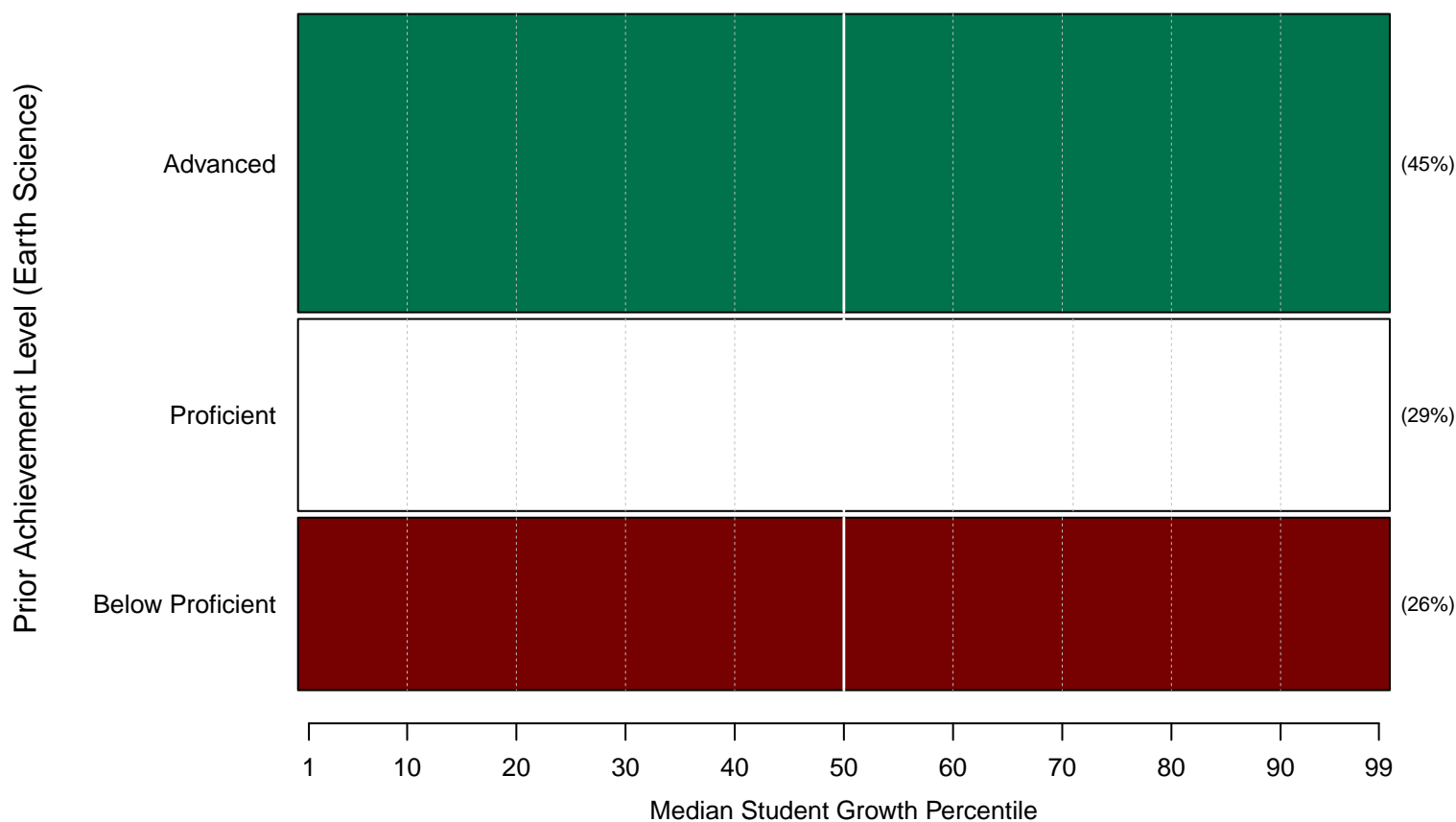
2013 Biology SGP, Grade EOCT (N = 18,139)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Earth Science)

Advanced	(45%)
Proficient	(29%)
Below Proficient	(26%)

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)	9.63	9.34	10.87	10.14	9.57	9.85	9.97	9.51	10.59	10.53	(9.7%)
2nd/[153,158)	9.41	10.51	9.30	9.58	10.39	9.87	9.87	11.43	9.30	10.33	(9.5%)
3rd/[158,160)	9.98	10.71	9.16	9.81	10.38	11.12	10.55	8.50	9.73	10.06	(6.7%)
4th/[160,163)	10.03	9.63	10.48	10.48	10.08	9.58	10.23	9.98	9.93	9.58	(11.1%)
5th/[163,165)	8.91	10.20	9.86	10.14	8.80	9.52	9.19	10.48	11.09	11.82	(9.8%)
6th/[165,168)	8.95	9.60	10.96	10.21	10.02	10.58	9.51	10.07	9.65	10.44	(11.8%)
7th/[168,169)	10.19	10.33	9.46	9.19	11.26	9.79	10.73	8.93	9.73	10.39	(8.3%)
8th/[169,173)	10.67	10.37	9.15	10.11	9.50	10.07	10.85	9.93	9.72	9.63	(12.7%)
9th/[173,176)	8.39	8.67	11.14	9.94	10.23	9.52	9.66	11.00	10.30	11.14	(7.8%)
10th/[176,199)	9.56	10.44	9.69	10.18	10.04	10.13	9.60	9.87	10.22	10.27	(12.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution