Student Growth Percentile Goodness–of–Fit Descriptives
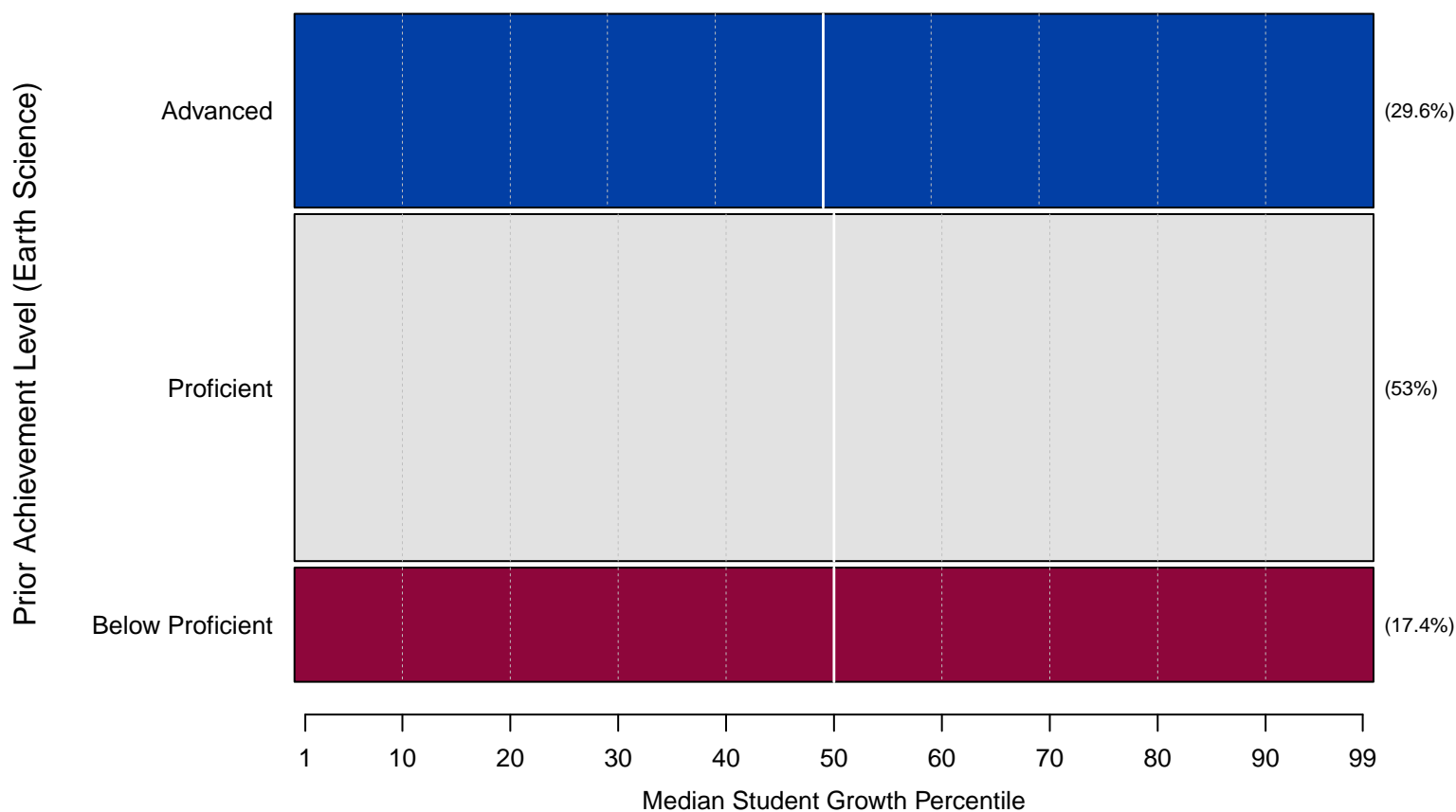
2015 Biology SGP, Grade EOCT (N = 15,462)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Earth Science)

- Advanced (29.6%)
- Proficient (53%)
- Below Proficient (17.4%)

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/[704,794)	10.18	9.86	9.66	10.12	10.05	9.66	10.51	9.66	10.38	9.92	(9.8%)
2nd/[794,810)	9.10	10.83	10.26	9.17	9.29	10.32	9.81	10.77	9.42	11.03	(10.1%)
3rd/[810,821)	9.71	8.87	10.30	10.56	11.54	9.97	9.91	9.52	9.97	9.65	(9.9%)
4th/[821,829)	10.14	10.21	9.93	11.27	8.38	10.28	10.14	9.30	9.72	10.63	(9.2%)
5th/[829,837)	9.25	10.14	9.89	9.00	9.76	9.57	9.89	11.22	10.20	11.09	(10.2%)
6th/[837,845)	9.05	10.39	9.50	9.94	10.96	10.45	9.43	9.62	10.52	10.13	(10.1%)
7th/[845,853)	9.84	10.09	10.09	10.91	9.34	9.78	10.60	10.28	9.03	10.03	(10.3%)
8th/[853,863)	9.47	9.47	10.35	9.22	10.35	9.60	10.48	9.15	10.42	11.49	(10.2%)
9th/[863,876)	9.88	9.95	10.21	9.88	9.95	9.62	9.75	10.61	10.21	9.95	(9.8%)
10th/[876,959]	9.61	10.24	9.73	10.11	10.24	10.30	9.92	9.80	9.92	10.11	(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