Student Growth Percentile Goodness–of–Fit Descriptives
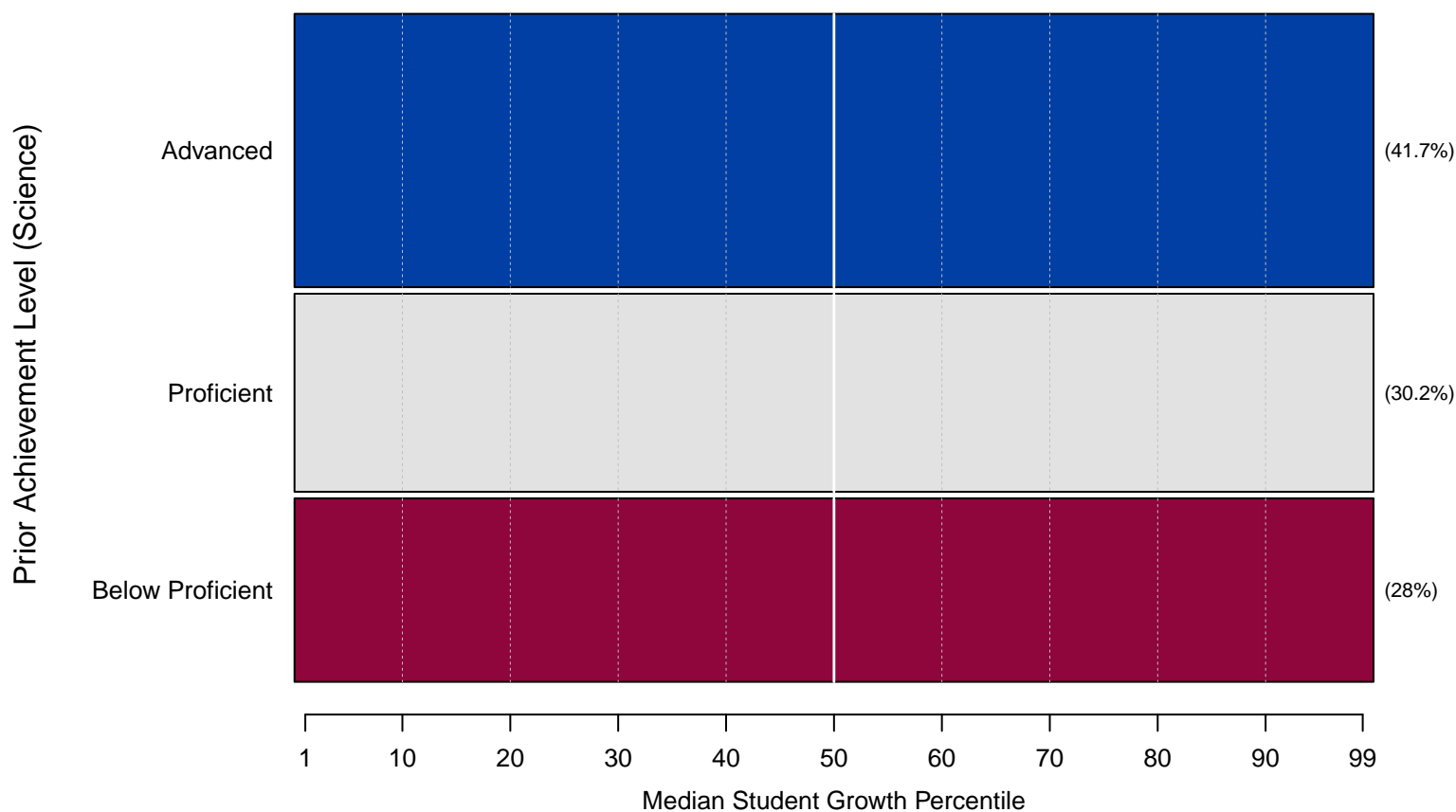## 2014 Earth Science SGP, Grade EOCT (N = 18,366)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (41.7%)
- Proficient (30.2%)
- Below Proficient (28%)

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)	9.50	9.79	10.48	9.84	10.07	9.61	10.07	9.84	10.07	10.71	(9.5%)
2nd/[152,157)	10.06	10.11	9.53	10.43	9.79	10.37	9.85	9.48	10.27	10.11	(10.3%)
3rd/[157,160)	9.15	9.87	9.61	10.07	10.54	9.94	10.47	11.40	9.01	9.94	(8.2%)
4th/[160,163)	10.29	10.18	9.69	9.58	9.53	10.12	9.58	10.12	10.18	10.72	(10.1%)
5th/[163,165)	8.64	10.44	10.90	10.03	10.50	9.74	10.27	8.93	10.67	9.86	(9.4%)
6th/[165,167)	9.73	9.73	10.03	10.69	9.53	9.53	9.88	9.98	9.88	11.04	(10.8%)
7th/[167,169)	9.63	9.02	10.18	8.68	10.11	10.18	9.70	11.13	10.11	11.26	(8%)
8th/[169,173)	10.08	10.43	10.03	9.90	10.03	10.39	10.65	9.81	9.37	9.32	(12.3%)
9th/[173,177)	9.55	11.07	8.79	11.21	10.17	9.20	9.00	9.20	10.80	11.00	(7.9%)
10th/[177,199]	9.30	9.54	10.26	9.66	10.02	10.47	10.10	10.26	9.94	10.43	(13.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution