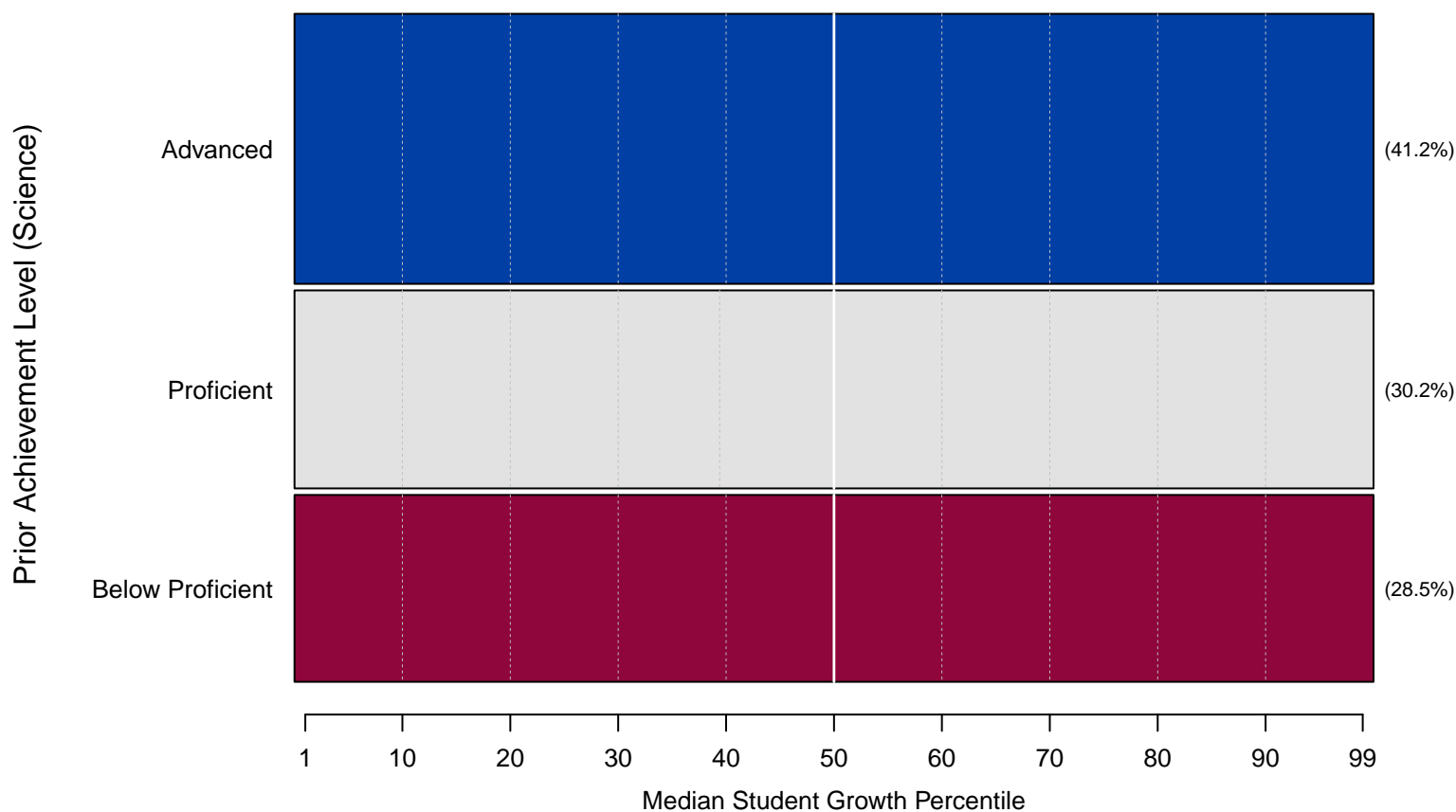# Student Growth Percentile Goodness–of–Fit Descriptives

2014 Earth Science SGP, Grade EOCT (N = 20,513)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (41.2%)
- Proficient (30.2%)
- Below Proficient (28.5%)

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)	9.18	10.42	9.72	10.17	9.62	10.52	9.52	10.22	10.07	10.57	(9.8%)
2nd/[152,156)	10.15	8.91	10.15	9.74	10.91	9.67	10.29	9.53	10.57	10.08	(7.1%)
3rd/[156,160)	9.33	10.17	10.09	10.05	10.05	9.42	10.84	10.30	9.50	10.26	(11.6%)
4th/[160,163)	10.36	10.02	9.01	9.78	9.98	10.60	9.45	9.98	10.07	10.75	(10.1%)
5th/[163,165)	8.83	10.19	11.25	10.46	9.62	10.25	9.46	9.30	10.40	10.25	(9.3%)
6th/[165,167)	9.53	9.80	10.66	10.16	9.80	9.13	10.48	10.43	9.62	10.39	(10.8%)
7th/[167,169)	9.64	10.13	8.66	9.03	9.70	10.31	10.25	10.80	9.76	11.71	(8%)
8th/[169,173)	10.06	9.90	10.43	9.98	10.47	10.55	9.50	9.50	9.82	9.78	(12.2%)
9th/[173,177)	9.02	10.45	10.20	9.95	10.57	9.02	9.89	9.76	10.95	10.20	(7.8%)
10th/[177,199]	9.42	9.86	9.79	10.16	9.61	10.27	10.31	10.23	9.68	10.67	(13.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution