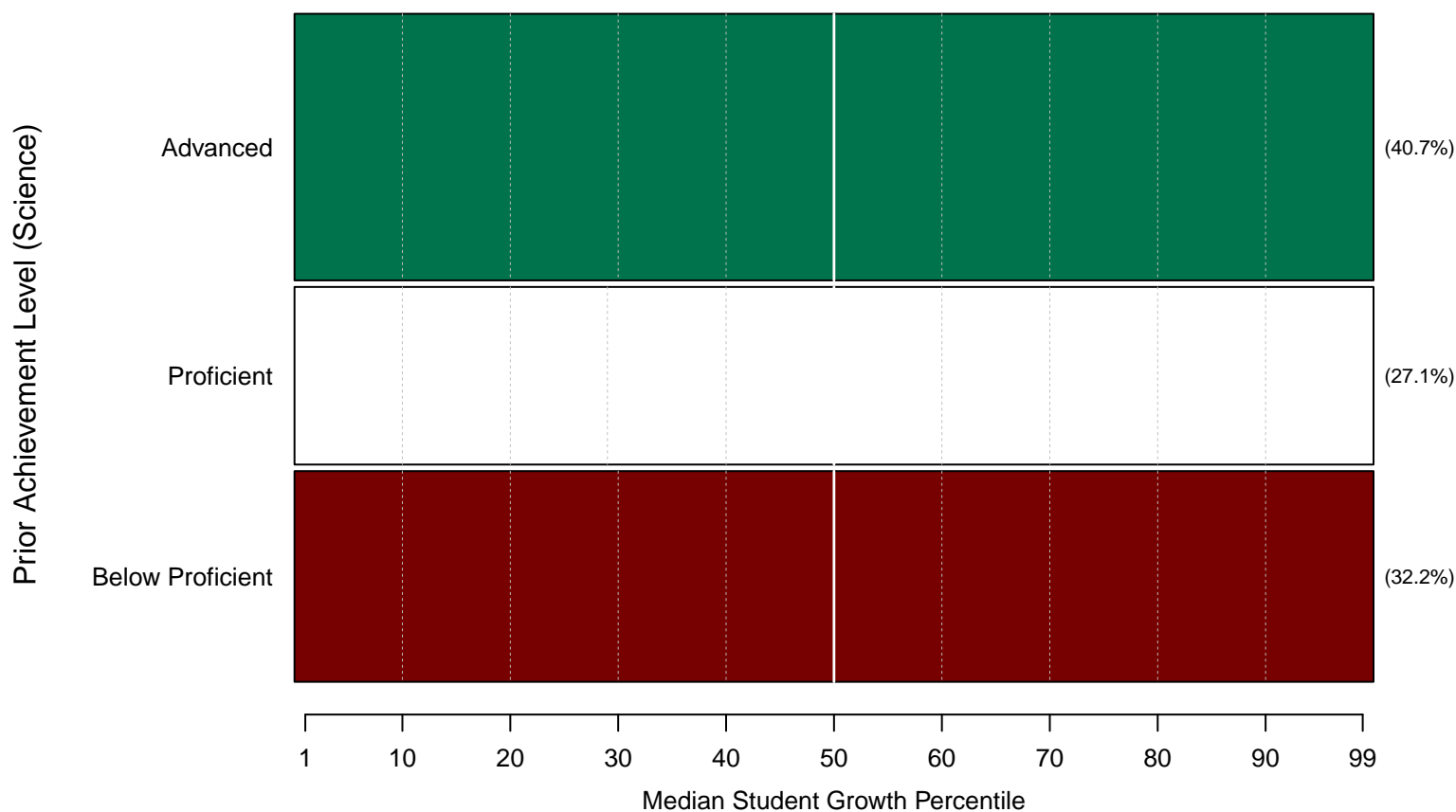# Student Growth Percentile Goodness–of–Fit Descriptives

2012 Earth Science SGP, Grade EOCT (N = 21,059)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (40.7%)
- Proficient (27.1%)
- Below Proficient (32.2%)

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/[130,151)	9.78	10.02	10.16	9.97	10.07	10.26	10.16	9.78	10.21	9.59	(10%)
2nd/[151,156)	9.67	9.47	9.96	10.11	9.86	9.62	9.32	10.94	9.62	11.43	(9.7%)
3rd/[156,159)	9.47	10.87	9.35	10.34	10.52	10.46	10.34	9.12	9.64	9.88	(8.1%)
4th/[159,161)	8.91	10.14	10.00	9.93	9.25	9.80	10.61	9.93	10.61	10.82	(7%)
5th/[161,164)	9.93	10.14	10.77	9.72	10.39	9.05	9.38	10.39	10.05	10.18	(11.3%)
6th/[164,167)	9.98	9.55	9.77	9.95	9.48	10.81	10.48	9.73	9.80	10.45	(13.2%)
7th/[167,169)	9.05	9.72	9.72	10.12	10.92	10.25	9.59	9.72	10.25	10.65	(10.7%)
8th/[169,171)	8.60	9.93	9.40	9.47	10.40	9.60	10.20	10.47	10.93	11.00	(7.1%)
9th/[171,175)	10.06	10.86	10.95	10.20	8.38	10.42	10.11	10.42	8.64	9.97	(10.7%)
10th/[175,199]	9.64	9.72	9.83	9.95	10.65	9.68	9.83	9.79	10.46	10.46	(12.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution