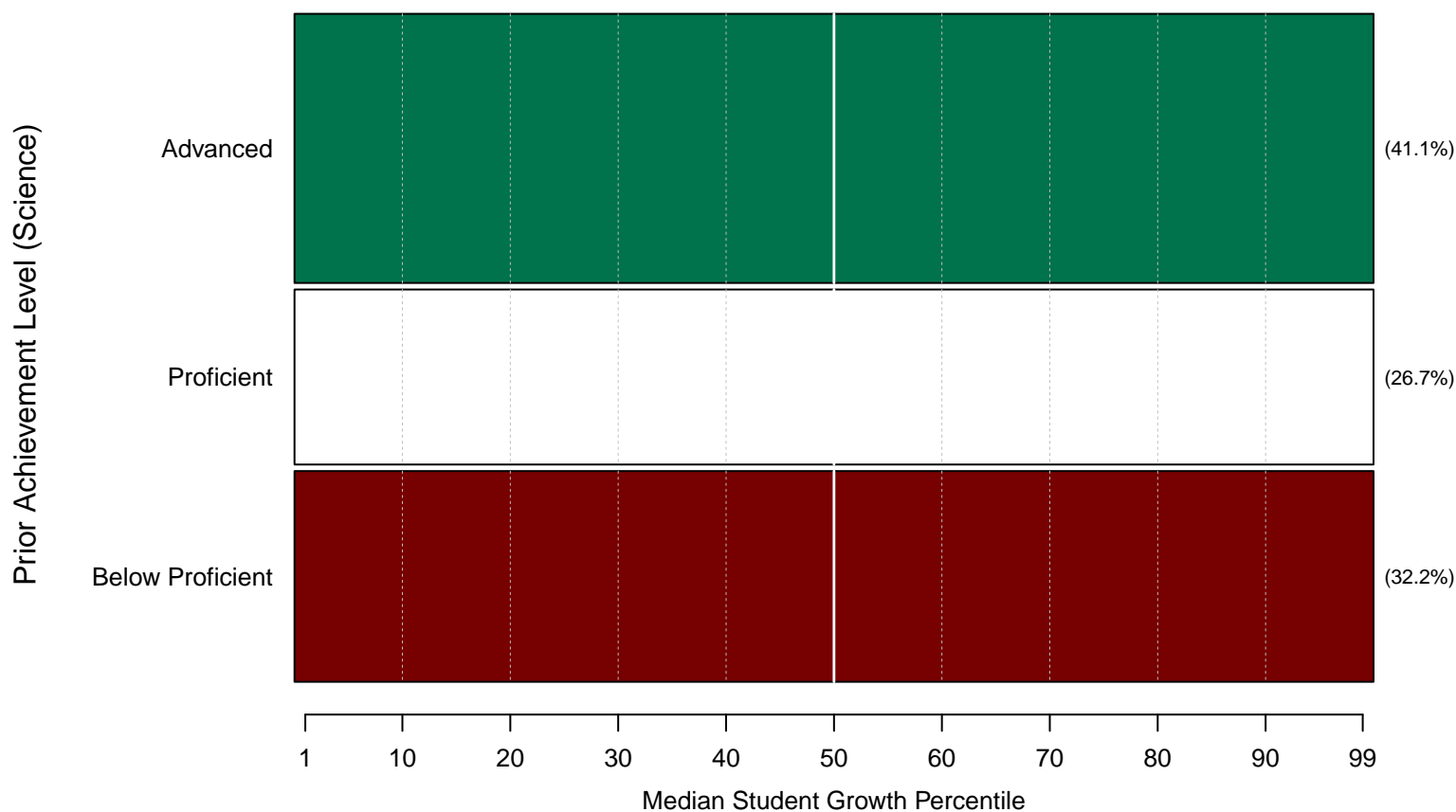# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Earth Science SGP, Grade EOCT (N = 22,425)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science)

- Advanced (41.1%)
- Proficient (26.7%)
- Below Proficient (32.2%)

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/[130,151)	9.47	10.14	10.05	9.90	9.52	10.05	10.48	9.95	10.00	10.43	(9.3%)
2nd/[151,156)	10.02	9.89	9.89	9.97	10.48	9.56	9.39	10.14	10.39	10.27	(10.6%)
3rd/[156,159)	9.12	9.74	10.13	9.57	9.79	10.97	10.07	9.96	9.40	11.25	(8%)
4th/[159,162)	9.46	9.76	9.94	10.87	10.05	10.05	10.24	10.13	9.79	9.72	(12%)
5th/[162,164)	9.96	10.51	9.66	9.27	10.51	8.87	9.66	9.51	10.60	11.45	(9%)
6th/[164,167)	9.23	9.86	10.70	10.26	9.77	10.08	10.21	10.48	9.81	9.59	(10%)
7th/[167,168)	9.77	10.81	9.84	10.32	8.49	10.63	9.90	9.84	9.59	10.81	(7.3%)
8th/[168,172)	9.51	9.28	9.97	9.32	10.90	10.17	10.09	9.86	10.09	10.82	(11.6%)
9th/[172,176)	9.21	10.36	9.54	10.61	10.24	9.66	9.91	9.99	10.20	10.28	(10.9%)
10th/[176,199]	9.76	9.92	10.39	9.88	9.53	10.08	10.12	10.00	10.12	10.20	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100