Student Growth Percentile Goodness–of–Fit Descriptives
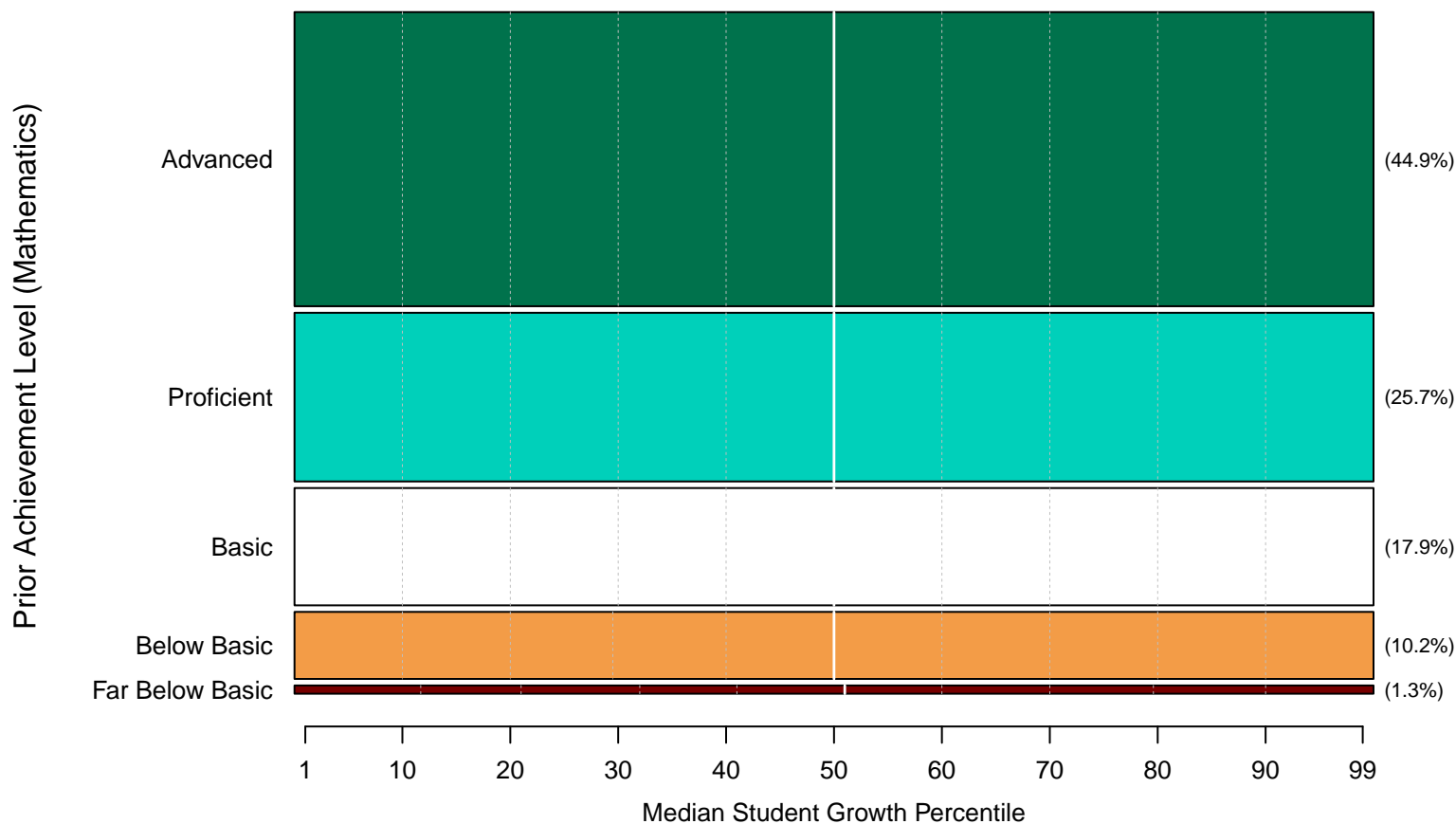## 2013 Science SGP, Grade 5 (N = 35,650)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	(%)
Advanced	(44.9%)
Proficient	(25.7%)
Basic	(17.9%)
Below Basic	(10.2%)
Far Below Basic	(1.3%)

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/[161,293]	9.97	10.12	10.03	9.71	9.74	10.00	10.03	9.71	10.23	10.47	(9.6%)
2nd/[293,326]	8.79	9.92	10.15	10.60	9.58	10.09	10.20	10.51	9.61	10.54	(10%)
3rd/[326,352]	10.12	9.84	9.58	9.72	10.92	10.07	9.32	9.98	10.24	10.21	(9.8%)
4th/[352,373]	9.02	10.34	10.09	9.71	9.78	10.12	10.03	9.81	10.15	10.94	(8.9%)
5th/[373,392]	9.84	9.96	10.54	10.51	9.29	9.59	10.94	9.90	9.41	10.02	(9.2%)
6th/[392,417]	9.44	9.62	9.62	10.26	10.35	9.74	9.74	10.40	10.11	10.72	(12%)
7th/[417,441]	9.45	10.50	9.92	9.36	10.33	10.80	9.61	9.28	10.00	10.75	(10.2%)
8th/[441,457]	10.53	9.90	10.09	9.80	9.66	9.66	10.24	10.48	10.28	9.37	(5.8%)
9th/[457,517]	9.13	9.83	10.13	10.43	10.00	9.83	10.28	9.83	9.76	10.78	(12.9%)
10th/[517,600]	9.64	10.07	10.03	9.76	9.91	9.93	10.07	10.07	10.24	10.27	(11.7%)

*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