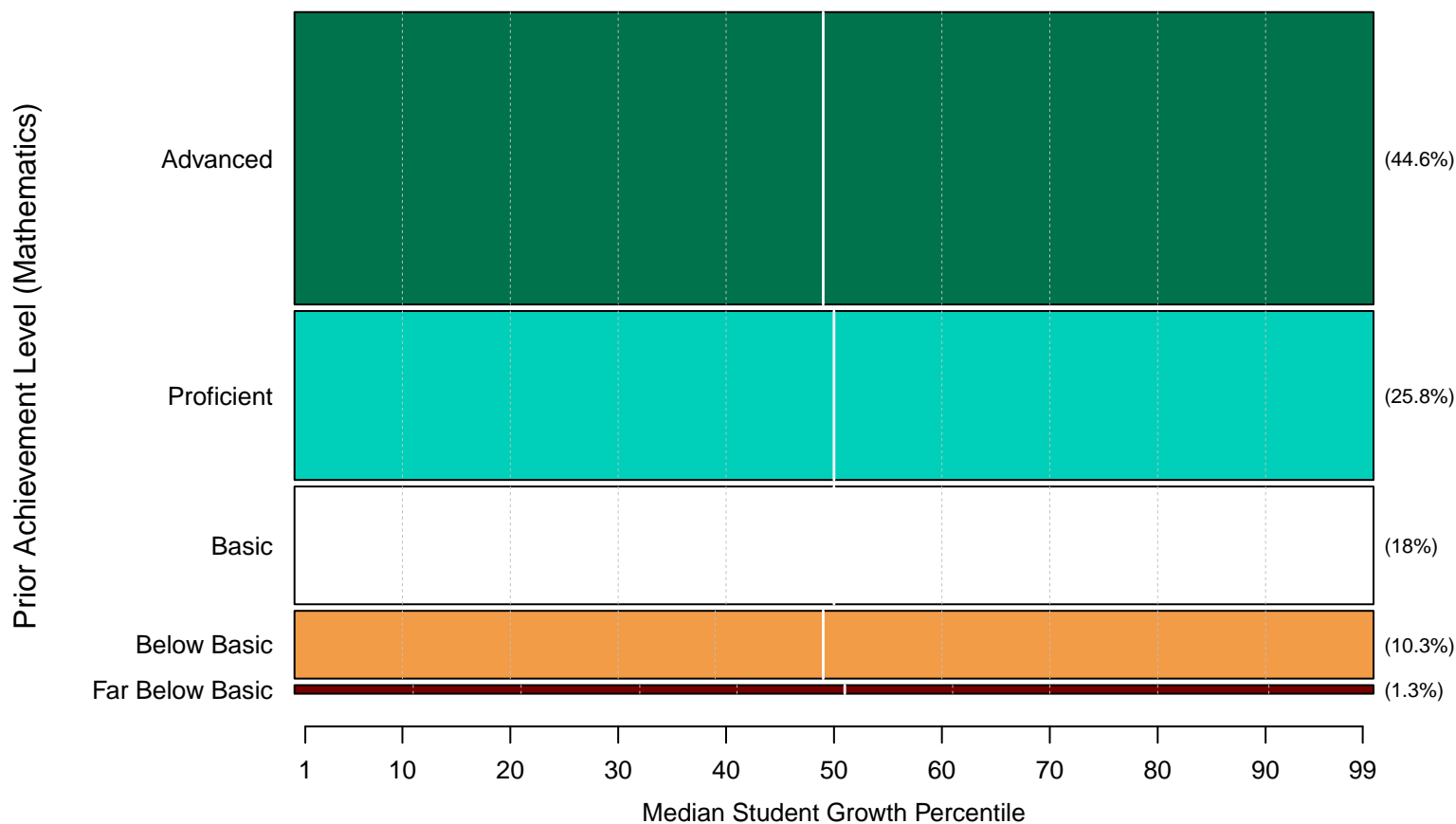# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Science SGP, Grade 5 (N = 38,135)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percent
Advanced	(44.6%)
Proficient	(25.8%)
Basic	(18%)
Below Basic	(10.3%)
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]	9.94	10.05	9.88	9.96	10.15	9.59	9.88	9.94	10.15	10.45	(9.7%)
2nd/[293,326]	8.86	9.90	10.30	10.03	9.67	10.53	10.06	10.24	9.85	10.56	(10%)
3rd/[326,352]	10.07	9.91	9.96	9.99	10.39	9.78	9.78	9.88	9.80	10.44	(9.8%)
4th/[352,373]	8.82	10.50	9.56	9.67	9.88	10.50	9.82	10.11	10.47	10.67	(8.9%)
5th/[373,392]	10.13	9.53	10.59	10.90	9.30	9.56	10.73	10.02	9.22	10.02	(9.2%)
6th/[392,417]	9.23	10.04	9.78	10.02	10.13	9.93	10.00	10.06	10.13	10.70	(12%)
7th/[417,441]	9.59	10.31	9.61	9.59	10.80	10.18	9.93	9.02	10.34	10.62	(10.1%)
8th/[441,457]	10.76	9.66	10.58	8.33	9.25	11.26	10.16	11.49	8.70	9.80	(5.7%)
9th/[457,517]	9.24	10.07	9.73	10.97	10.38	8.89	9.95	10.11	10.54	10.11	(12.8%)
10th/[517,600]	9.64	10.55	10.19	10.44	9.89	9.71	9.30	10.53	9.51	10.23	(11.6%)

*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