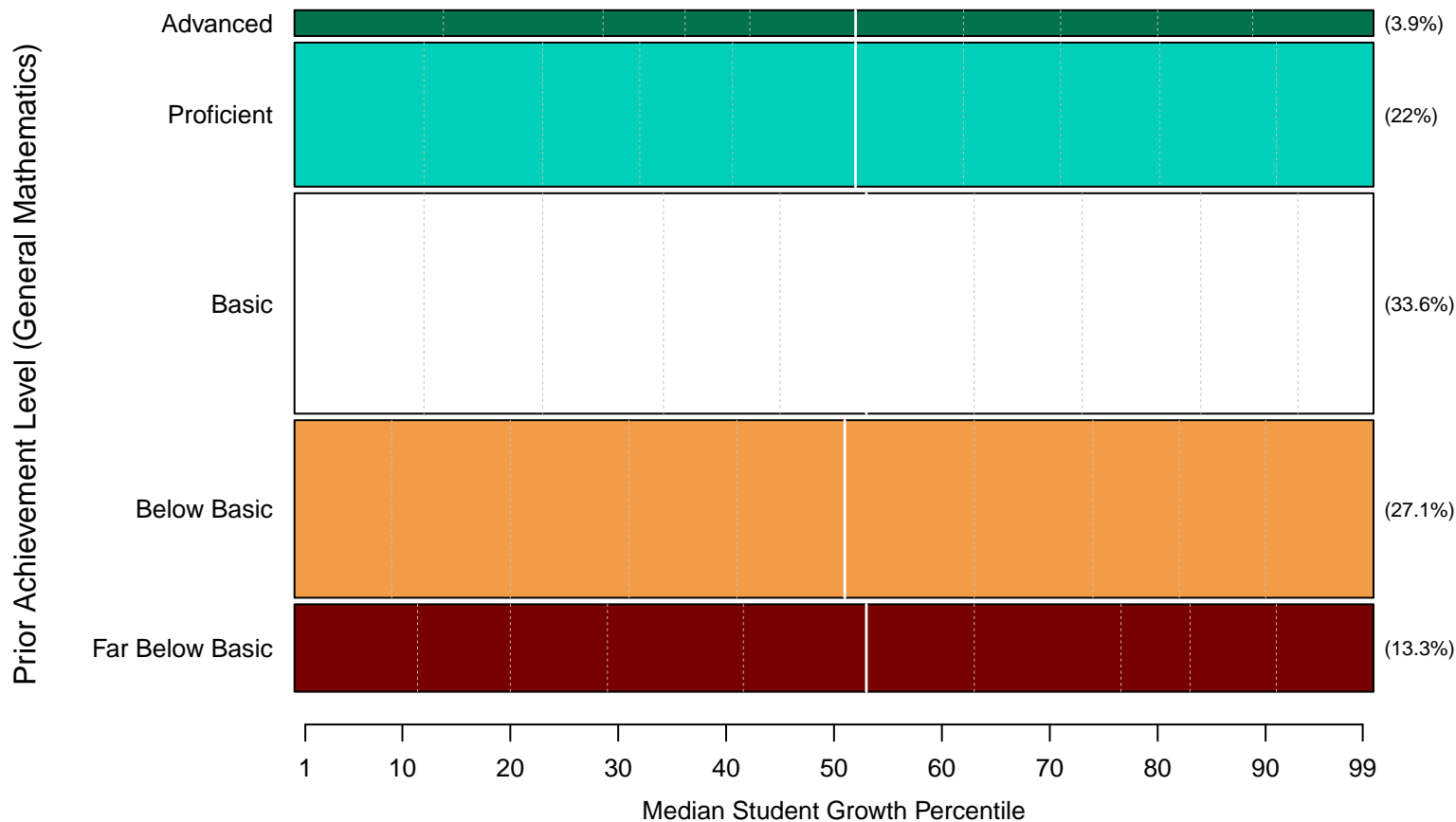# Student Growth Percentile Goodness–of–Fit Descriptives

2013 Integrated Science 1 SGP, Grade EOCT (N = 2,661)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (General Mathematics)

Level	Percent
Advanced	(3.9%)
Proficient	(22%)
Basic	(33.6%)
Below Basic	(27.1%)
Far Below Basic	(13.3%)

Median Student Growth Percentile (x-axis: 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/[193,249)	10.18	12.83	10.62	7.96	8.41	9.29	6.64	10.18	12.83	11.06	(8.5%)
2nd/[249,268)	8.73	6.35	11.51	9.52	7.54	9.13	9.13	11.51	14.29	12.30	(9.5%)
3rd/[268,285)	10.31	12.37	7.56	13.06	7.22	8.25	11.34	10.31	8.93	10.65	(10.9%)
4th/[285,298)	9.21	9.65	6.58	8.77	8.33	7.89	7.46	13.60	16.67	11.84	(8.6%)
5th/[298,314)	8.04	7.40	11.25	8.68	12.54	13.18	5.47	9.65	10.93	12.86	(11.7%)
6th/[314,326)	9.66	7.14	7.56	10.50	9.24	10.08	10.92	7.98	10.50	16.39	(8.9%)
7th/[326,342)	6.83	7.51	12.29	5.80	10.92	11.26	11.95	10.92	11.26	11.26	(11%)
8th/[342,360)	4.60	9.58	8.81	11.11	10.73	8.43	11.11	9.20	11.49	14.94	(9.8%)
9th/[360,384)	9.58	10.73	9.20	11.11	6.13	10.73	9.20	12.26	10.34	10.73	(9.8%)
10th/[384,503)	7.67	7.00	10.67	12.00	12.33	9.00	12.67	11.00	9.33	8.33	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis: 0 to 100)
Empirical SGP Distribution (y-axis: 0 to 100)