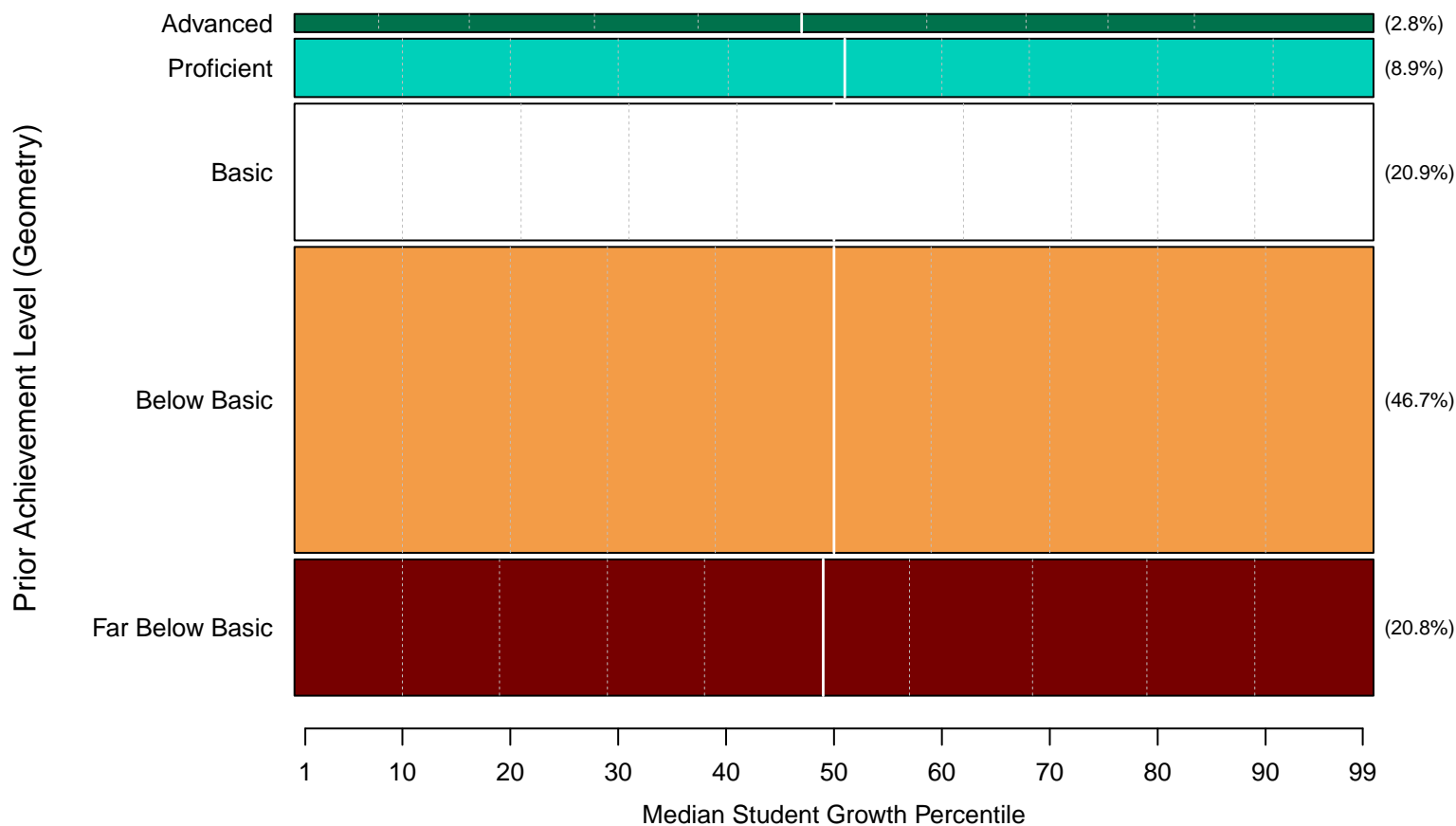# Student Growth Percentile Goodness–of–Fit Descriptives

2011 Physics SGP, Grade EOCT (N = 2,852)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

- Advanced (2.8%)
- Proficient (8.9%)
- Basic (20.9%)
- Below Basic (46.7%)
- Far Below Basic (20.8%)

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/[184,235]	9.73	11.67	9.73	11.67	7.78	11.28	7.39	10.51	10.51	9.73	(9%)
2nd/[235,245]	11.06	9.22	11.06	6.45	12.44	12.90	7.83	10.60	8.76	9.68	(7.6%)
3rd/[245,259]	9.55	10.08	11.41	9.81	9.02	9.81	9.81	9.02	10.34	11.14	(13.2%)
4th/[259,268]	12.05	9.64	9.24	9.24	10.04	9.64	8.03	10.04	12.85	9.24	(8.7%)
5th/[268,276]	7.98	7.14	12.18	12.18	12.18	10.92	9.66	10.50	6.72	10.50	(8.3%)
6th/[276,289]	9.79	11.28	9.50	7.72	8.61	11.57	11.57	9.20	10.39	10.39	(11.8%)
7th/[289,301]	7.63	14.06	10.84	11.24	10.04	9.64	9.64	6.83	8.03	12.05	(8.7%)
8th/[301,322]	10.79	8.57	10.16	7.94	9.21	10.48	9.84	12.06	12.06	8.89	(11%)
9th/[322,357]	9.06	9.06	11.00	11.33	11.00	7.44	7.44	12.30	10.68	10.68	(10.8%)
10th/[357,600]	10.20	10.86	9.21	9.21	10.20	10.53	12.17	7.89	9.54	10.20	(10.7%)

*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