Student Growth Percentile Goodness–of–Fit Descriptives
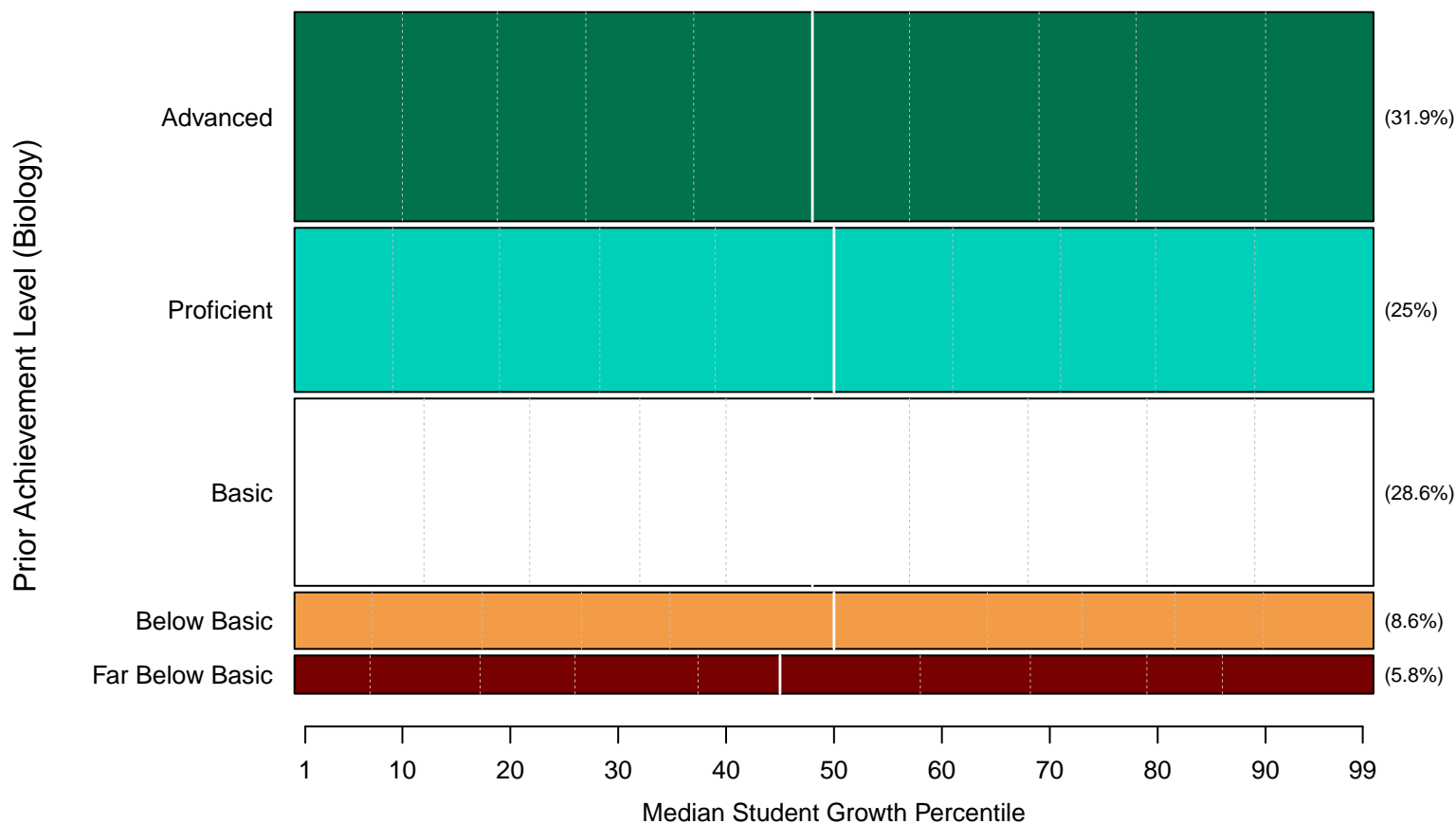## 2013 Physics SGP, Grade EOCT (N = 2,005)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

Level	Percent
Advanced	(31.9%)
Proficient	(25%)
Basic	(28.6%)
Below Basic	(8.6%)
Far Below Basic	(5.8%)

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/[228,285)	11.60	11.60	11.60	9.94	8.84	7.18	10.50	11.60	11.05	6.08	(9%)
2nd/[285,310)	12.12	9.09	8.08	10.10	9.60	10.10	6.06	9.60	11.62	13.64	(9.9%)
3rd/[310,329)	7.49	10.16	9.63	15.51	12.30	10.16	9.09	10.16	10.16	5.35	(9.3%)
4th/[329,344)	9.43	8.96	8.49	11.79	10.85	9.91	11.79	8.49	11.32	8.96	(10.6%)
5th/[344,360)	10.95	12.44	10.45	7.46	12.44	9.45	11.94	9.45	5.47	9.95	(10%)
6th/[360,378)	11.06	8.29	9.68	11.06	7.37	9.68	10.14	11.06	10.14	11.52	(10.8%)
7th/[378,396)	6.50	13.00	9.50	12.50	8.00	9.50	8.00	12.00	13.50	7.50	(10%)
8th/[396,422)	10.06	13.61	7.69	9.47	5.92	14.79	8.88	9.47	8.88	11.24	(8.4%)
9th/[422,457)	10.38	11.32	12.74	8.49	5.66	8.49	10.38	11.79	8.96	11.79	(10.6%)
10th/[457,600]	9.65	10.53	10.96	12.28	11.84	13.16	3.07	10.53	8.77	9.21	(11.4%)

*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