Student Growth Percentile Goodness–of–Fit Descriptives
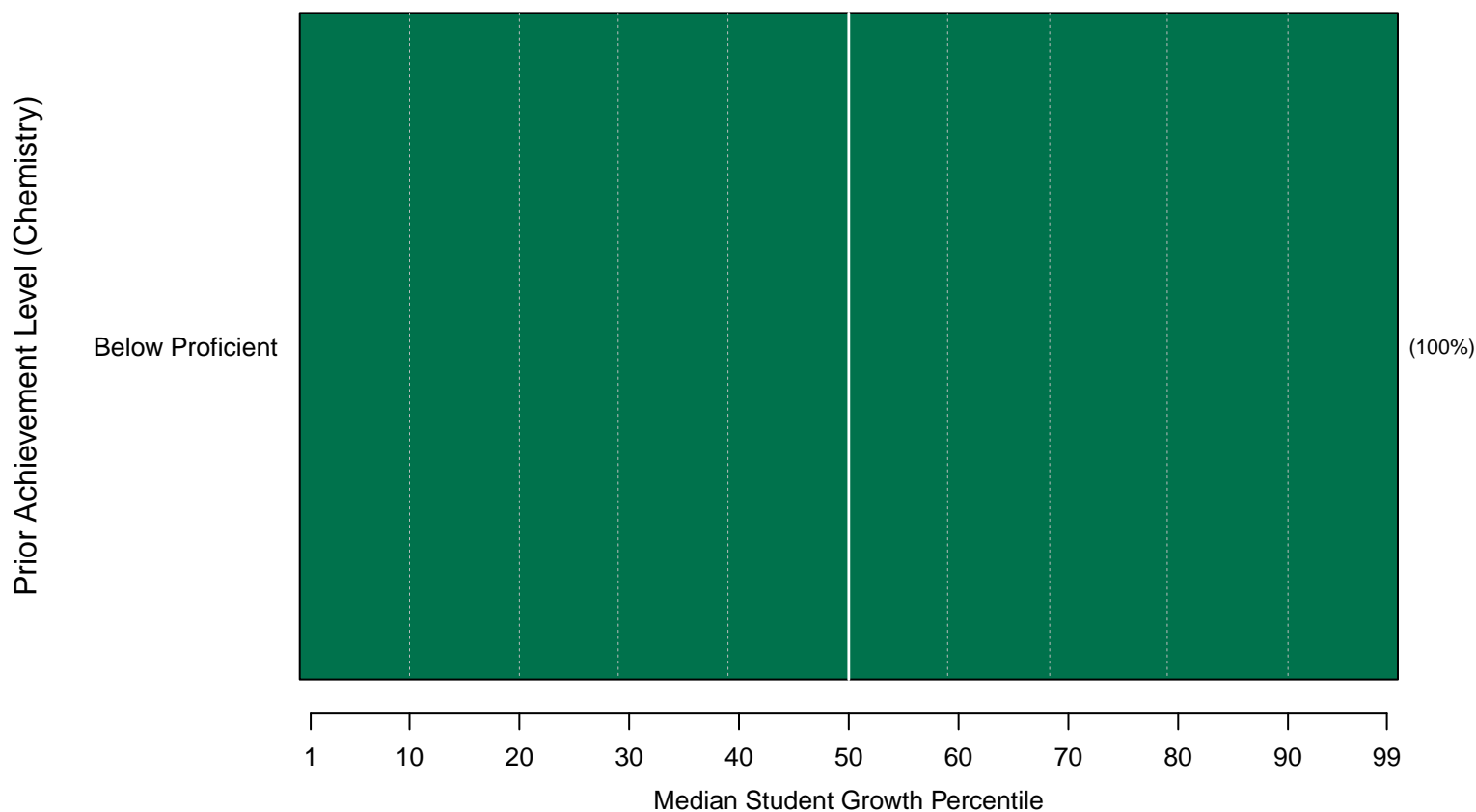## 2012 Physics SGP, Grade EOCT (N = 4,020)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Chemistry)

Below Proficient (100%)

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/[130,151)	9.12	9.12	9.40	11.68	10.83	9.12	10.54	10.54	9.12	10.54	(8.7%)
2nd/[151,156)	10.48	12.63	8.60	9.95	9.41	8.87	11.83	9.68	8.87	9.68	(9.3%)
3rd/[156,159)	8.78	9.70	12.47	7.16	10.62	15.47	6.70	5.77	13.86	9.47	(10.8%)
4th/[159,162)	8.88	10.48	8.88	13.67	10.48	8.66	8.20	14.81	5.47	10.48	(10.9%)
5th/[162,163)	13.38	6.35	14.05	5.69	9.03	18.06	8.03	5.02	10.03	10.37	(7.4%)
6th/[163,166)	8.43	11.76	10.20	10.78	8.04	9.02	10.20	9.80	11.76	10.00	(12.7%)
7th/[166,168)	9.24	10.36	7.84	12.32	9.80	9.52	8.96	10.92	8.96	12.04	(8.9%)
8th/[168,171)	10.30	10.00	8.48	11.82	7.88	13.33	10.91	9.09	7.88	10.30	(8.2%)
9th/[171,175)	10.54	9.87	10.76	9.42	8.30	14.13	8.07	7.17	14.13	7.62	(11.1%)
10th/[175,199]	9.32	10.56	12.84	7.45	11.39	9.32	9.52	12.63	5.80	11.18	(12%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution