Student Growth Percentile Goodness–of–Fit Descriptives
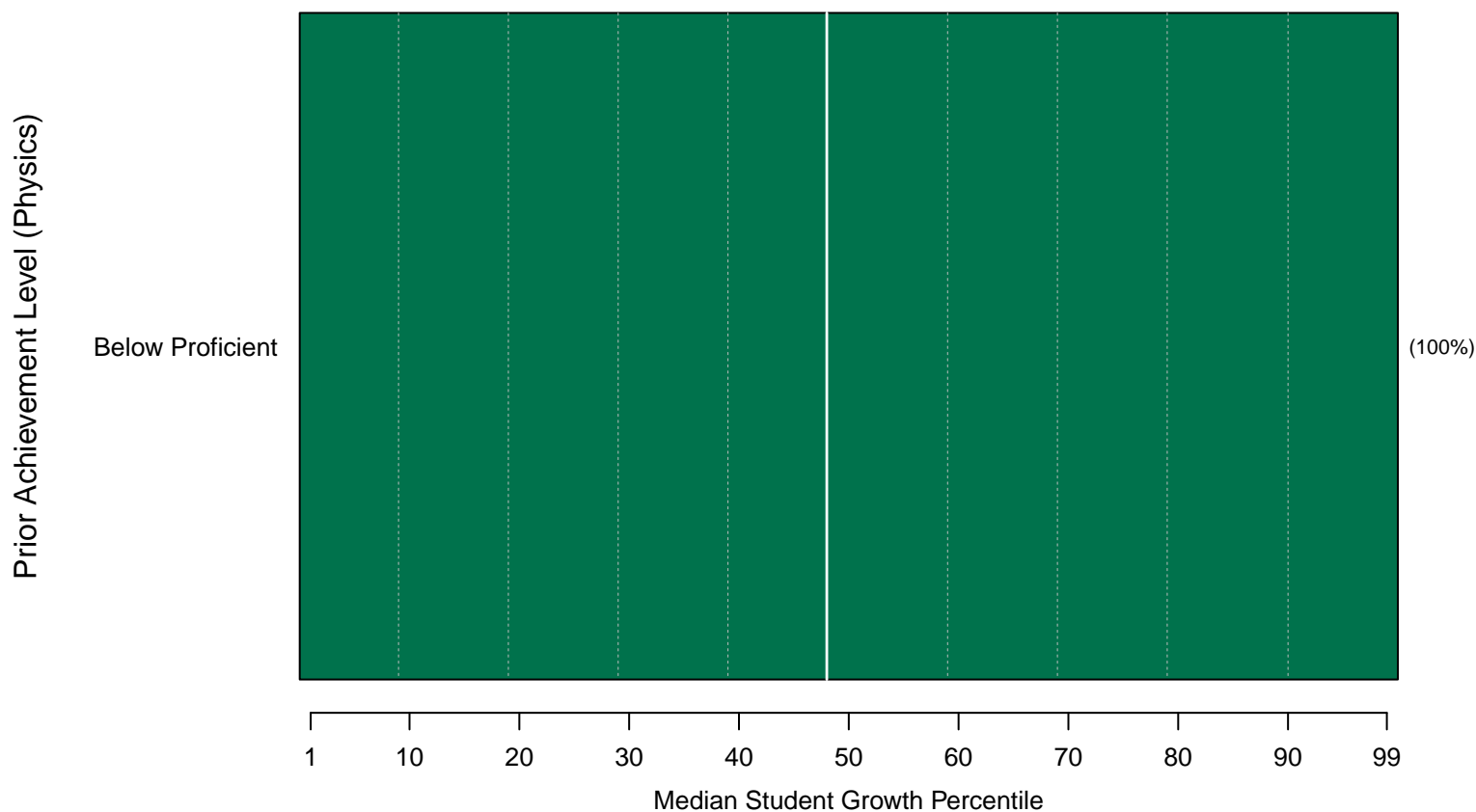## 2012 Chemistry SGP, Grade EOCT (N = 1,956)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Physics)

Below Proficient — (100%)

Median Student Growth Percentile

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/[130,155)	11.59	8.54	10.37	12.20	10.37	9.15	7.93	10.98	10.37	8.54	(8.4%)
2nd/[155,159)	7.61	12.69	10.15	7.11	11.17	9.64	13.71	8.63	7.61	11.68	(10.1%)
3rd/[159,162)	9.57	8.61	9.09	11.48	11.00	7.18	8.13	14.83	11.48	8.61	(10.7%)
4th/[162,164)	11.96	10.87	10.87	10.33	6.52	15.22	7.07	5.98	9.24	11.96	(9.4%)
5th/[164,166)	8.27	11.28	9.02	12.78	12.78	9.77	12.03	6.02	9.02	9.02	(6.8%)
6th/[166,169)	9.12	11.23	9.47	5.96	11.93	8.77	10.53	10.88	11.93	10.18	(14.6%)
7th/[169,171)	10.91	11.52	7.88	15.76	4.85	11.52	6.67	10.30	8.48	12.12	(8.4%)
8th/[171,173)	12.02	10.38	10.93	7.10	14.21	7.65	7.65	12.57	6.56	10.93	(9.4%)
9th/[173,178)	10.15	5.58	11.68	6.60	10.15	15.23	9.64	11.17	13.71	6.09	(10.1%)
10th/[178,199]	10.04	12.13	10.46	12.55	14.23	2.93	10.46	7.11	8.79	11.30	(12.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution