Student Growth Percentile Goodness–of–Fit Descriptives
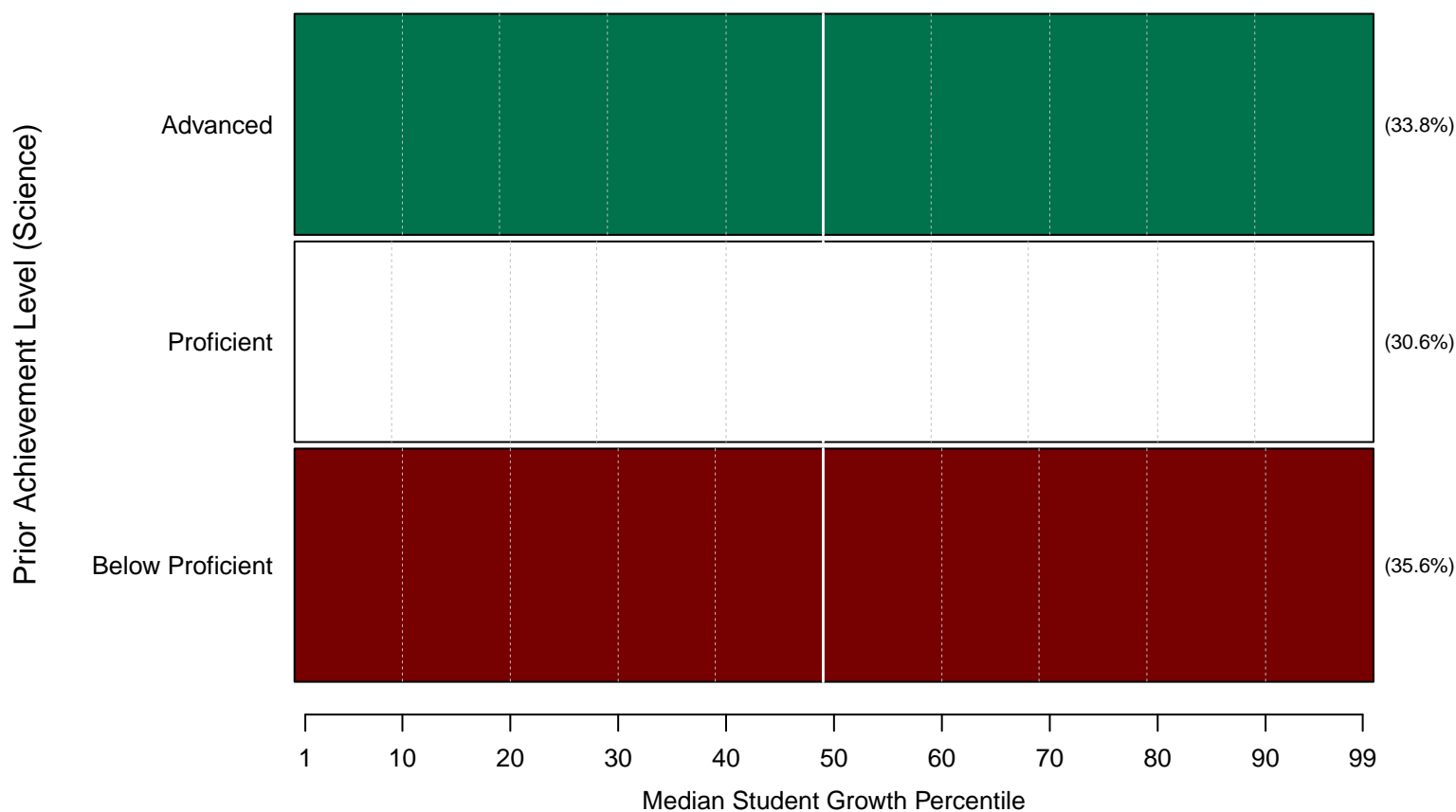## 2011 Science SGP, Grade 5 (N = 42,579)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Science): Advanced (33.8%), Proficient (30.6%), Below Proficient (35.6%)

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/[130,149)	9.56	11.07	9.36	9.45	10.90	9.08	11.41	8.74	10.24	10.19	(8.3%)
2nd/[149,155)	10.01	9.10	10.59	10.59	7.86	11.81	9.90	10.22	10.24	9.67	(11.2%)
3rd/[155,158)	9.49	10.71	8.89	8.41	14.68	8.38	10.03	8.63	10.45	10.34	(8.3%)
4th/[158,161)	9.93	9.86	10.30	12.41	7.93	6.33	14.72	10.13	7.03	11.38	(10.7%)
5th/[161,163)	9.43	10.36	10.91	6.59	10.41	15.79	6.54	6.89	13.55	9.55	(9.3%)
6th/[163,166)	10.29	10.77	6.24	14.39	12.31	10.07	4.88	11.41	11.21	8.43	(10.7%)
7th/[166,167)	11.46	7.06	15.83	6.91	7.42	8.41	16.34	6.82	7.12	12.64	(7.8%)
8th/[167,171)	8.31	11.48	9.70	6.97	14.23	9.31	9.64	9.09	12.43	8.84	(12%)
9th/[171,176)	9.73	10.45	10.32	9.23	10.32	10.62	7.75	11.29	10.15	10.13	(11.1%)
10th/[176,199]	10.44	9.71	10.00	11.28	9.75	8.55	12.23	10.28	7.09	10.66	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution