Student Growth Percentile Goodness–of–Fit Descriptives
2011 Biology SGP, Grade EOCT (N = 18,003)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Earth Science)

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/[130,153)	9.73	9.79	10.04	9.79	10.40	10.22	10.64	9.73	10.16	9.49	(9.2%)
2nd/[153,158)	9.06	10.02	9.70	10.07	10.23	9.64	9.22	10.44	9.86	11.76	(10.5%)
3rd/[158,161)	10.21	10.63	10.45	9.56	8.91	10.63	10.21	9.74	9.56	10.09	(9.4%)
4th/[161,163)	9.39	10.25	9.65	11.10	10.42	9.56	9.65	9.91	9.65	10.42	(6.5%)
5th/[163,166)	9.61	9.44	10.24	9.99	10.11	9.57	10.20	9.73	11.46	9.65	(13.2%)
6th/[166,168)	9.66	10.12	10.35	8.68	10.01	11.16	10.01	10.47	8.51	11.04	(9.7%)
7th/[168,170)	9.14	9.88	9.20	10.95	10.44	9.37	9.88	10.05	9.93	11.17	(9.8%)
8th/[170,173)	10.14	10.43	9.74	10.20	9.28	9.97	9.97	10.14	10.03	10.09	(9.7%)
9th/[173,176)	9.02	9.89	9.95	10.70	10.41	9.54	10.24	9.72	10.24	10.29	(9.6%)
10th/[176,199]	9.92	9.92	10.41	9.42	9.83	10.32	9.96	10.00	10.09	10.14	(12.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution