Student Growth Percentile Goodness–of–Fit Descriptives

2013 Biology SGP, Grade EOCT (N = 18,811)

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)	9.22	10.03	10.62	10.03	9.92	9.65	9.87	9.71	10.62	10.35	(9.9%)
2nd/[153,158)	9.80	9.96	8.97	10.18	9.96	10.13	10.46	10.35	9.57	10.63	(9.6%)
3rd/[158,160)	9.51	10.69	10.06	9.36	10.61	10.53	10.61	8.88	9.36	10.38	(6.8%)
4th/[160,163)	10.19	9.66	10.09	10.38	10.23	9.90	9.80	10.38	9.47	9.90	(11.1%)
5th/[163,165)	8.59	10.58	10.58	9.18	9.40	9.29	8.86	10.80	11.12	11.61	(9.8%)
6th/[165,168)	9.55	9.42	10.19	11.05	9.96	10.23	9.96	9.64	9.78	10.23	(11.7%)
7th/[168,169)	9.77	10.88	9.12	9.90	10.49	9.58	10.75	9.38	9.77	10.36	(8.2%)
8th/[169,173)	10.64	9.84	9.63	9.21	9.80	10.89	10.56	9.67	9.71	10.05	(12.6%)
9th/[173,176)	8.37	9.25	10.88	10.20	10.00	9.39	9.39	11.43	9.73	11.36	(7.8%)
10th/[176,199)	9.39	10.33	9.95	10.21	9.99	9.95	9.95	9.69	10.59	9.95	(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