Student Growth Percentile Goodness−of−Fit Descriptives
2012 Earth Science, Grade Progression 103−104 (N = 1,259)

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/[176,240)	13.33	11.67	10.00	8.33	11.67	8.33	10.83	10.00	7.50	8.33	(9.5%)
2nd/[240,252)	6.15	9.23	9.23	14.62	10.77	6.15	8.46	10.77	12.31	12.31	(10.3%)
3rd/[252,263)	12.61	10.08	10.08	7.56	7.56	11.76	13.45	7.56	10.08	9.24	(9.5%)
4th/[263,274)	9.02	7.52	10.53	10.53	8.27	13.53	8.27	9.77	10.53	12.03	(10.6%)
5th/[274,279)	18.03	13.11	9.84	8.20	14.75	4.92	3.28	16.39	6.56	4.92	(4.8%)
6th/[279,294)	7.03	9.19	9.73	10.81	10.81	8.65	12.43	8.65	12.43	10.27	(14.7%)
7th/[294,304)	10.89	9.90	10.89	7.92	9.90	10.89	11.88	7.92	6.93	12.87	(8%)
8th/[304,327)	10.27	13.01	10.27	12.33	8.22	9.59	9.59	7.53	10.27	8.90	(11.6%)
9th/[327,356)	8.94	11.38	5.69	8.13	9.76	11.38	11.38	11.38	11.38	10.57	(9.8%)
10th/[356,600]	10.64	8.51	11.35	9.93	12.06	9.93	9.22	9.93	8.51	9.93	(11.2%)

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

QQ−Plot: Student Growth Percentiles
Theoretical SGP Distribution
Empirical SGP Distribution