Student Growth Percentile Goodness−of−Fit Descriptives
2011 Science, Grade Progression 6−7−8 (N = 38,365)

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/[150,259)	9.61	9.95	10.19	10.11	10.32	9.77	10.03	9.66	10.24	10.11	(9.8%)
2nd/[259,278)	9.83	9.80	9.99	9.83	9.88	10.14	9.78	10.46	9.39	10.90	(10%)
3rd/[278,291)	9.25	9.91	10.14	10.07	9.15	10.43	10.50	9.38	10.30	10.86	(7.9%)
4th/[291,309)	9.97	9.57	9.77	9.82	10.66	9.27	9.59	10.56	10.36	10.44	(10.4%)
5th/[309,325)	9.28	10.20	9.95	10.15	9.72	10.54	10.12	9.48	10.12	10.44	(10.5%)
6th/[325,342)	9.66	10.13	10.60	9.87	9.81	10.29	10.13	10.26	9.21	10.05	(9.9%)
7th/[342,360)	9.61	10.59	8.99	9.83	9.46	10.20	9.94	10.06	10.20	11.13	(9.3%)
8th/[360,384)	9.37	8.87	10.45	9.76	10.57	8.95	10.28	9.96	10.59	11.21	(10.6%)
9th/[384,418)	9.83	10.51	9.40	10.33	10.28	10.46	9.53	10.16	9.60	9.90	(10.4%)
10th/[418,600)	9.41	10.04	10.28	9.95	9.57	10.11	10.04	9.83	10.37	10.40	(11.1%)

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

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