# Student Growth Percentile Goodness–of–Fit Descriptives
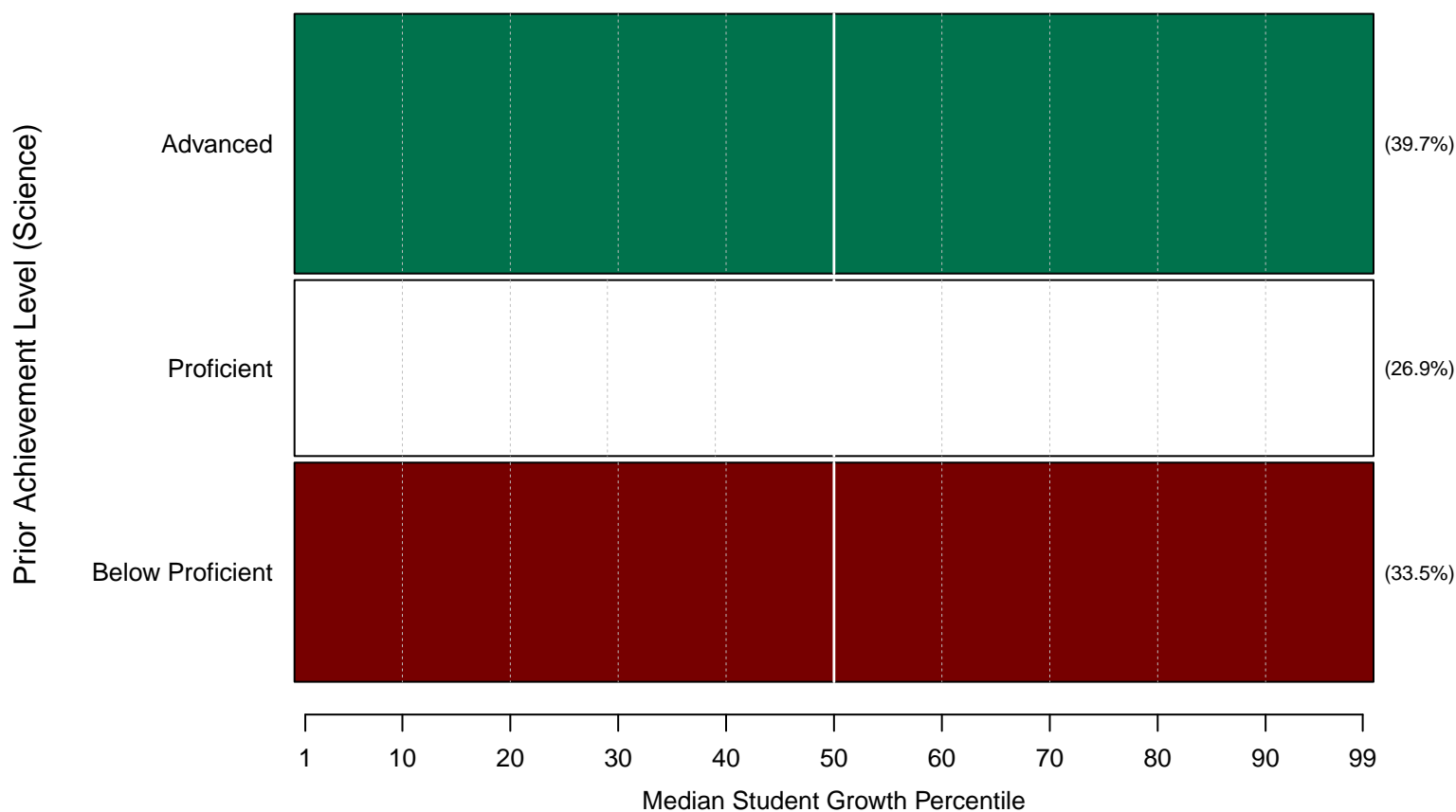
## 2012 Earth Science SGP, Grade EOCT (N = 24,177)

## SGP Deciles by Prior Achievement Level



**Prior Achievement Level (Science)**

- Advanced (39.7%)
- Proficient (26.9%)
- Below Proficient (33.5%)

**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/[130,150) | 9.85 | 9.68 | 10.29 | 10.25 | 9.89 | 9.94 | 10.20 | 9.68 | 9.89 | 10.33 | (9.4%) |
| 2nd/[150,155) | 9.03 | 10.36 | 10.15 | 9.88 | 9.40 | 9.51 | 9.14 | 11.00 | 10.26 | 11.26 | (7.8%) |
| 3rd/[155,159) | 9.66 | 9.94 | 9.73 | 9.84 | 10.22 | 11.41 | 10.43 | 9.38 | 9.45 | 9.94 | (11.8%) |
| 4th/[159,161) | 9.38 | 10.03 | 8.50 | 11.92 | 10.62 | 8.55 | 10.15 | 9.73 | 10.03 | 11.09 | (7%) |
| 5th/[161,164) | 9.57 | 10.37 | 11.43 | 8.91 | 9.72 | 9.53 | 9.24 | 10.66 | 10.63 | 9.93 | (11.3%) |
| 6th/[164,166) | 9.51 | 9.25 | 9.34 | 10.64 | 9.42 | 10.03 | 11.12 | 10.55 | 9.08 | 11.07 | (9.5%) |
| 7th/[166,168) | 9.91 | 11.01 | 9.55 | 8.66 | 10.44 | 10.85 | 10.20 | 9.71 | 9.67 | 10.00 | (10.2%) |
| 8th/[168,171) | 8.77 | 8.77 | 10.28 | 11.56 | 10.05 | 9.24 | 9.66 | 9.86 | 11.25 | 10.55 | (10.7%) |
| 9th/[171,175) | 10.17 | 11.36 | 10.37 | 10.13 | 8.66 | 10.49 | 9.69 | 9.57 | 9.50 | 10.05 | (10.4%) |
| 10th/[175,199] | 9.81 | 9.26 | 9.92 | 10.09 | 10.65 | 9.50 | 10.13 | 10.23 | 9.75 | 10.65 | (11.8%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution