Repeated testing, or practice, on cognitive tasks increases performance via learning. However, repeated testing and extended time on task may also cause performance declines known as testing or mental fatigue. Mood and cognitive performance are further linked. Because operational tasks involve sustained performance, understanding performance limitations over time, while accounting for mood, is warranted.

Cognitive performance would be affected by repeated testing and extended time on various cognitive tasks. Mood would further influence testing fatigue.

The lack of testing fatigue not evident for any tasks completed utilizing this concept are less likely to exhibit confounded performance by time on task. Results should be utilized for optimization of sustained operational missions.