



## **Dynavision D2™ Baseline Tests**

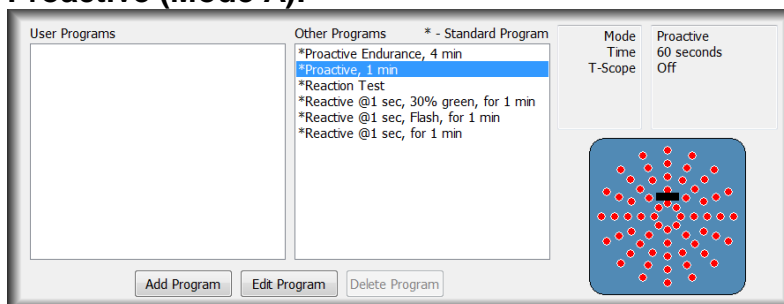
*Recommended Protocols for Eye-Hand Coordination Measures &  
Both Visual and Motor Reaction Times*

*The following protocols mentioned in this document are not intended to diagnose, treat, or manage any diseases or conditions, including but not limited to concussions, traumatic brain injuries, stroke, etc. The following protocols have not be evaluated by the U.S. Food & Drug Administration.*

The Dynavision D2™ baseline test consists of the two tests: Proactive (Mode A) and the Reaction Time Test (Mode D). Step-by-step instructions for programming, verbal instructions, observations and data management are included below.

### Baseline Test 1

#### Proactive (Mode A):



**Verbal Instructions:**  
 “Hit the red buttons as quickly as you can.”

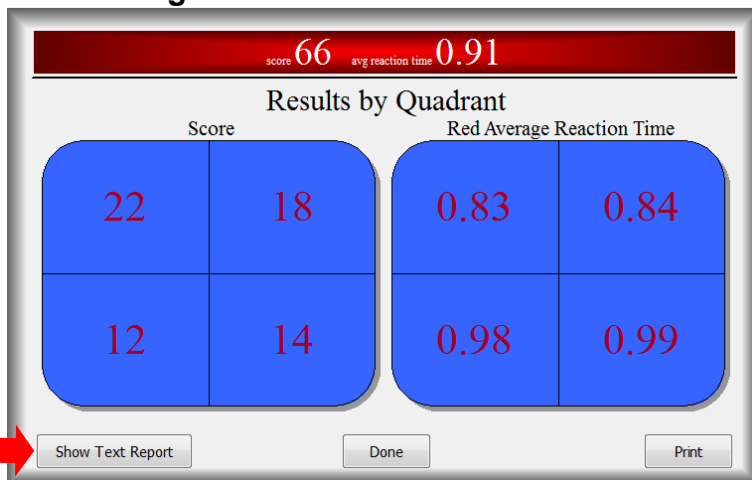
**Step 1:** Select *\*Proactive, 1 Min*  
 (or *\*A* depending software version)

**Step 2:** Click *Run Program*.

**Observations:**

- Left/right symmetry of the upper extremities
- Unsteady balance
- Alternating hands instead of using hand that is closest
- Intention tremors
- Pauses before striking

#### Data Management:



**Data Management:**  
 Focus: Average reaction time and observations

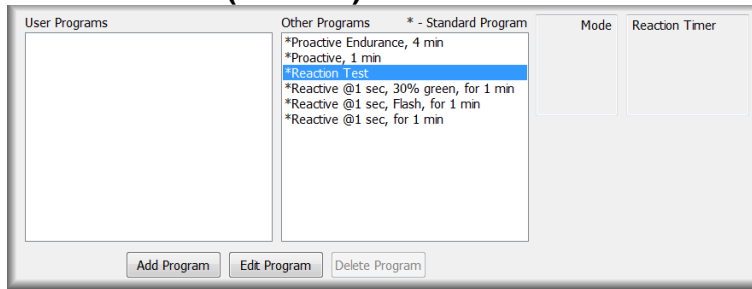
A quadrant graph will appear at the conclusion of the run. The client’s score (hits per minute) and average reaction time by quadrant are indicated. Ideally, you want to see symmetry between the four quadrants. A quadrant with a significantly slower reaction time can be further investigated by clicking the “Show Text Report” tab.

Click *Show Text Report* to view light board statistics:

- Reaction Times
- Quadrants/Rings
- Time/Score Breakdown
- Click *Print*, or *Done*

### Baseline Test 2

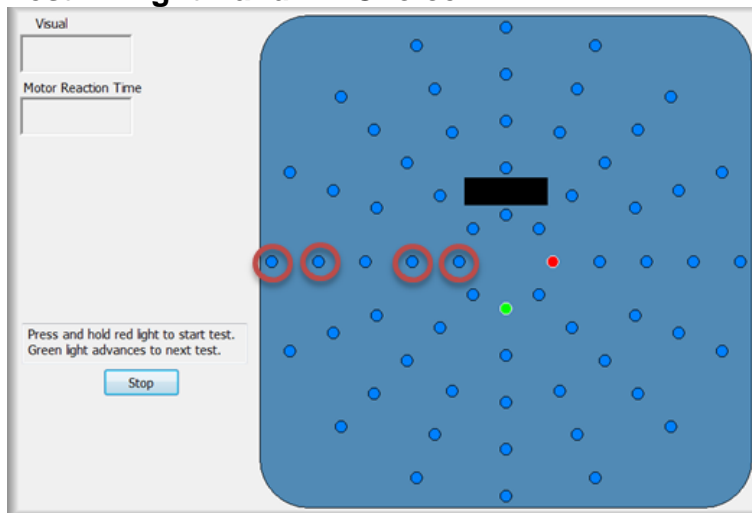
#### Reaction Test (Mode D):



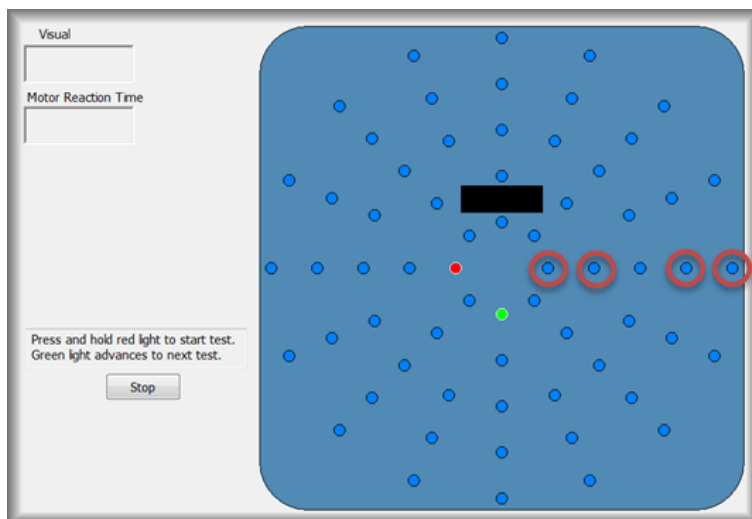
**Step 1:** Click to select *\*Reaction Test*.

**Step 2:** Click Run Program.

#### Test 1: Right Hand – 4 Choice



#### Test 2: Left Hand – 4 Choice



#### Verbal Instructions:

“Mode D consists of six tests; three for each hand. For test one, press and hold the solid red button with your right hand. When a second red light appears, strike it as quickly as you can. Repeat 5-7 repetitions, and then press the green button to progress to test two. For test two, press and hold the red button with your left hand. You will alternate between hands for the remaining tests.”

\*Model as needed to increase Understanding of instructions.

“Do you have any questions?”

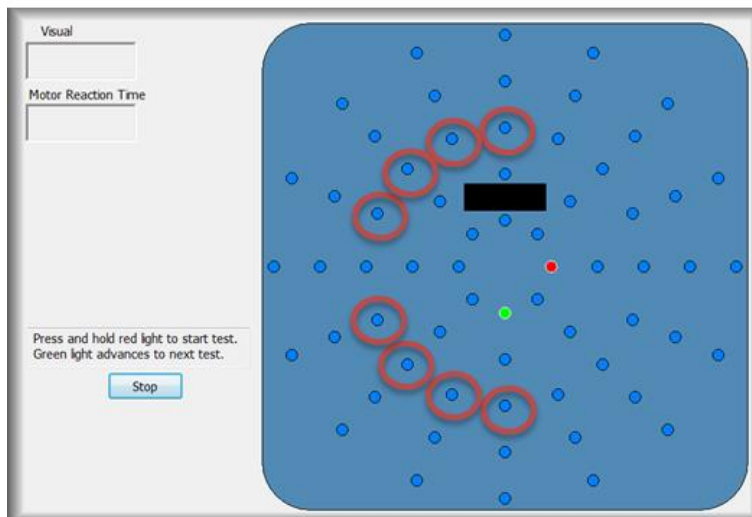
#### Observations:

- Left/right symmetry of the upper extremities
- Unsteady balance
- Intention tremors
- Pauses before striking
- Difficulty following instructions

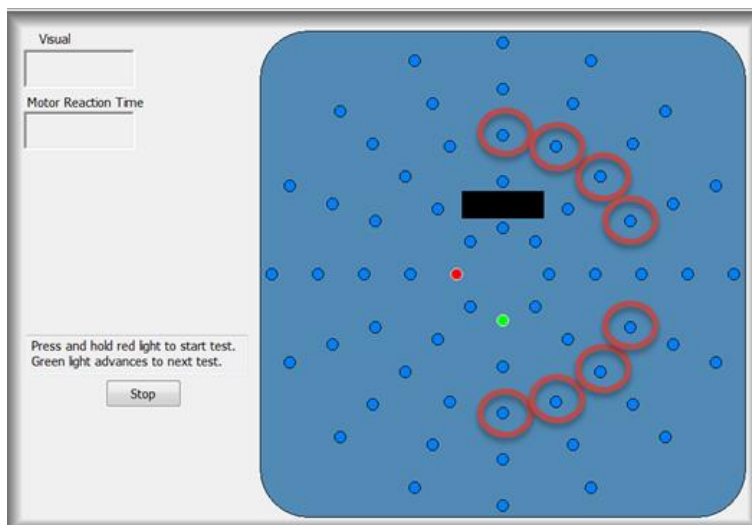
#### Data Management:

Focus: Average reaction time and observations

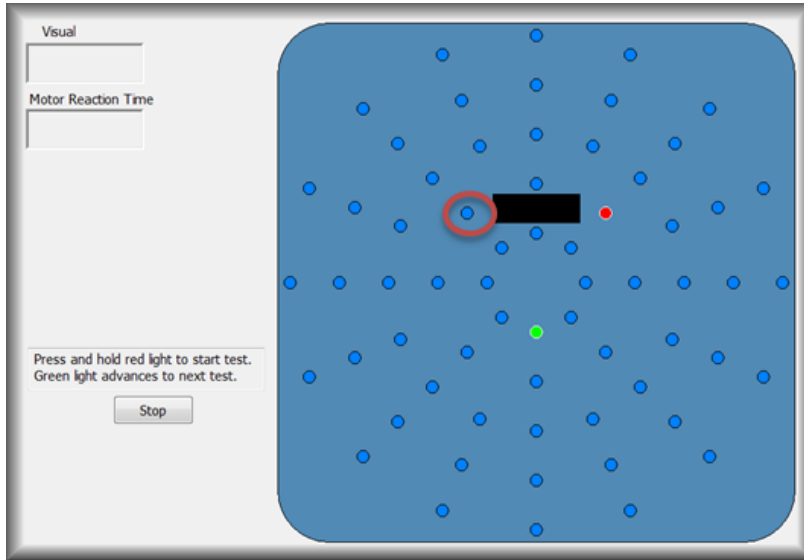
**Test 3: Right Hand – 8 Choice**



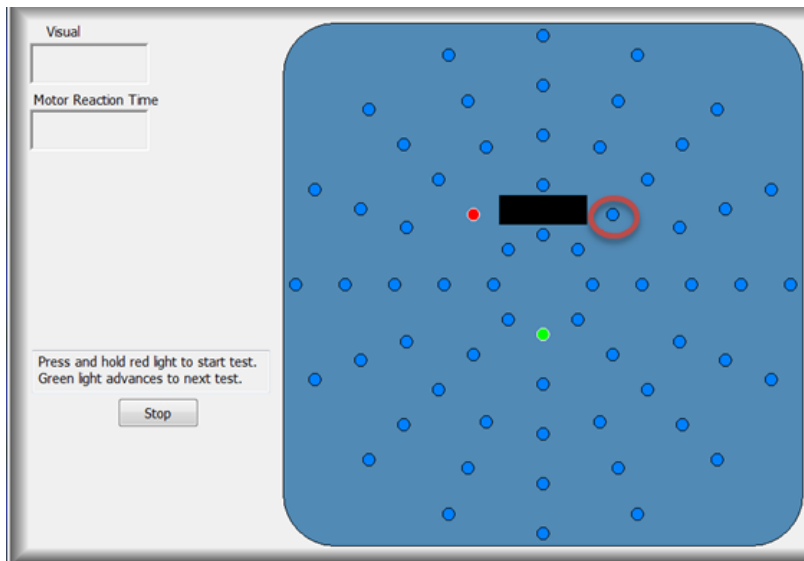
**Test 4: Left Hand – 8 Choice**



**Test 5: Right Hand 1 Choice**



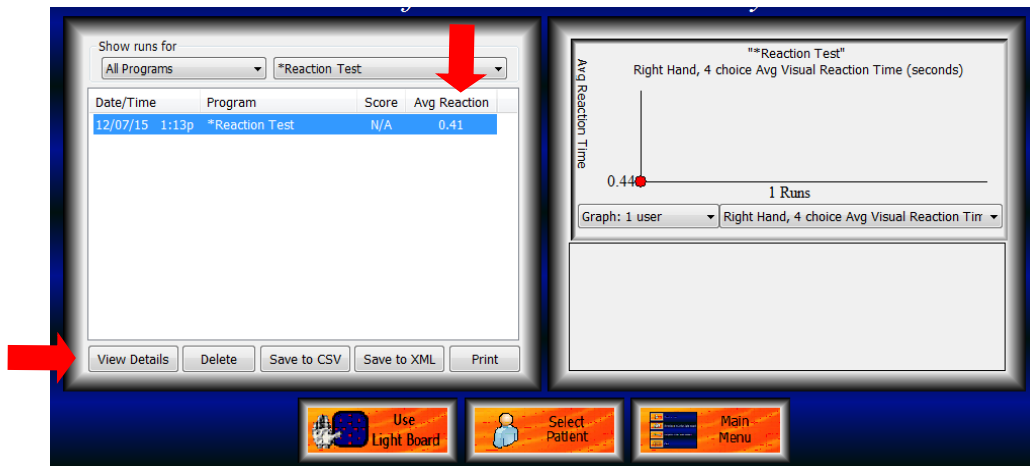
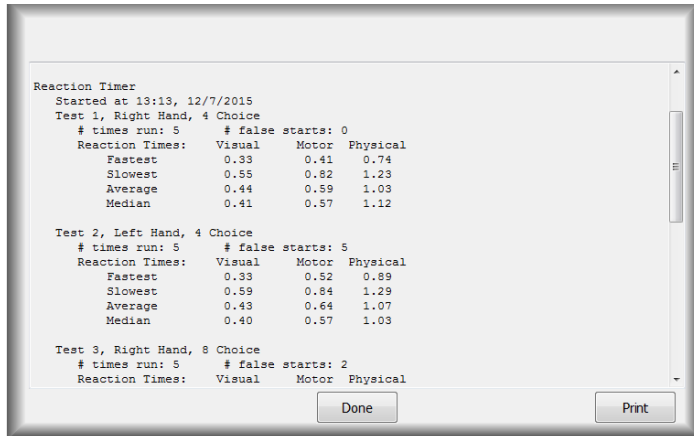
**Test 6: Left Hand 1 Choice**



**Data Management:**

A text report will appear at the conclusion of the sixth test. *Visual, Motor, and Physical* reaction times, number time run (repetitions) and false starts are indicated on this report.

Click “Done” to view the participant’s average visual-motor reaction time.



To access the previous report click the “View Details” tab.