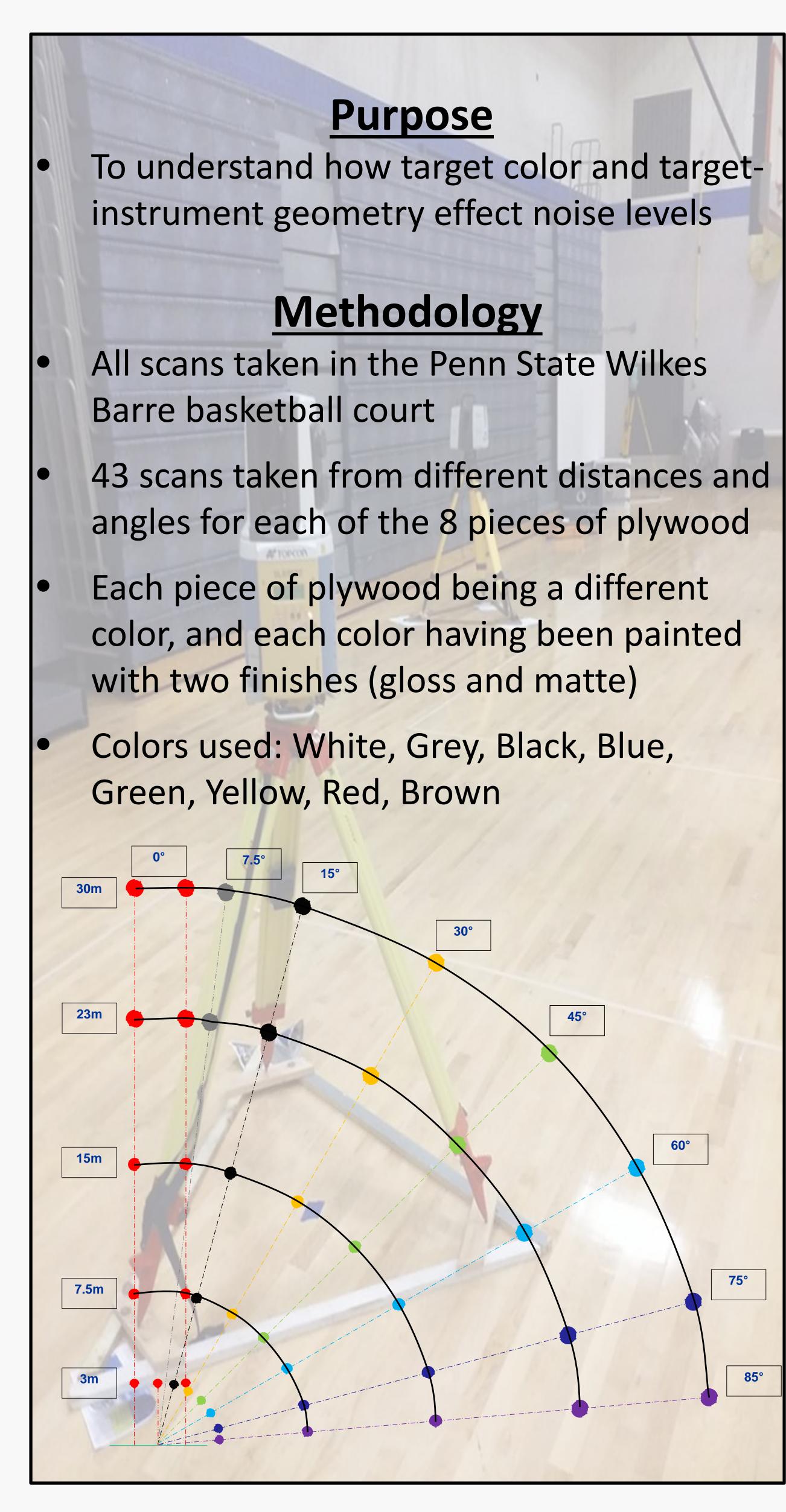
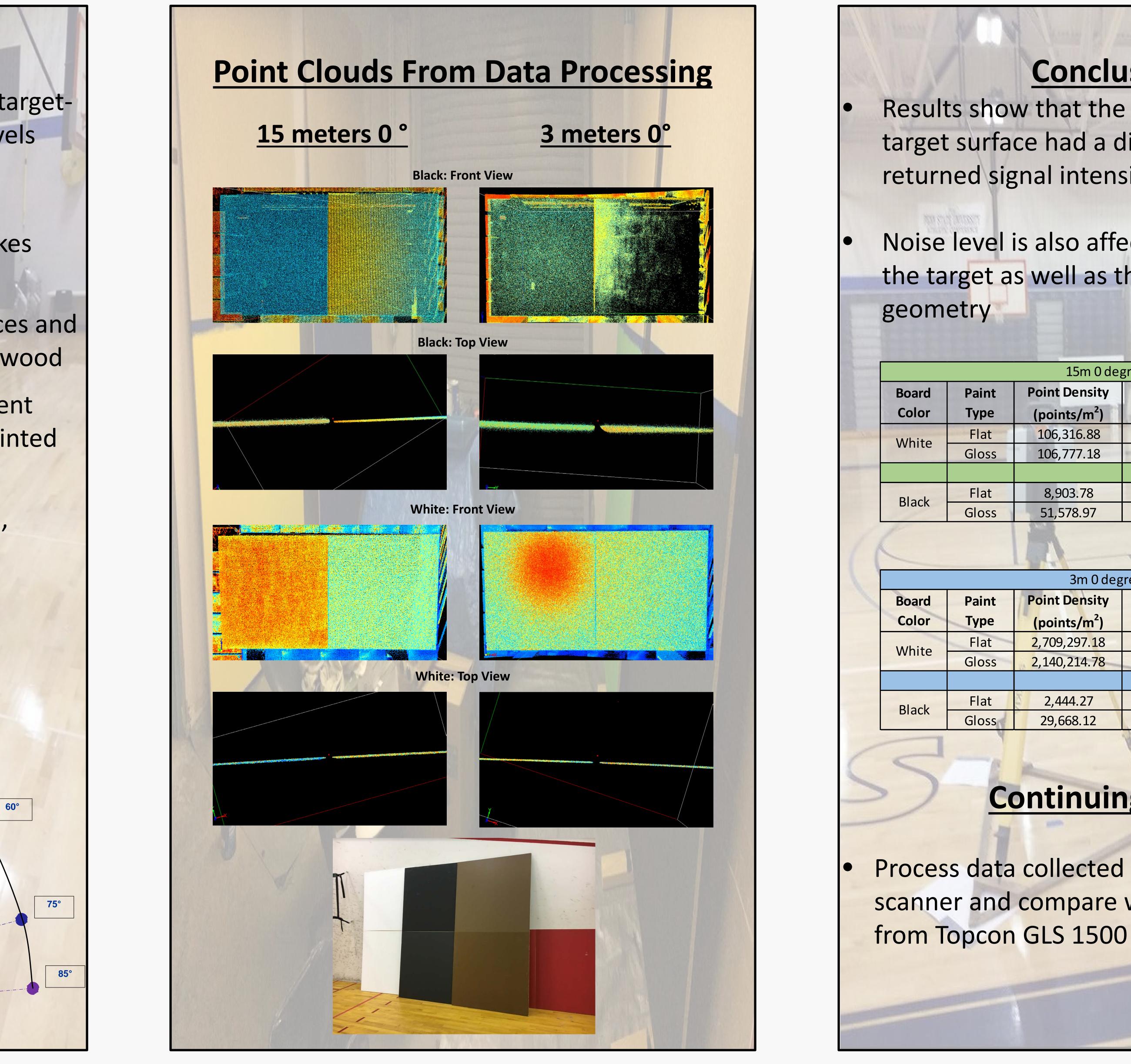
## The Effect of target intensity and target-instrument geometry on terrestrial laser scanner accuracy **Aaron Martinez**



Dr. Dimitrios Bolkas, SUR 496: Independent Study on Terrestrial Laser Scanning



Conclusion that the reflectivity of the a had a direct influence on the nal intensity also affected by the color of well as the target-instrument			
15m 0 deg	grees		
Point Density	STD Plane (m)	STD Quadratic	
(points/m <sup>2</sup> )	( THE A	(m)	
106,316.88	0.0014	0.0013	
106,777.18	0.0013	0.0013	
8,903.78	0.0073	0.0073	100
51,578.97	0.0017	0.0017	
12			
3m 0 degrees			
Point Density	STD Plane (m)	STD Quadratic	
(points/m <sup>2</sup> )	STD Flatte (III)	(m)	
<mark>2</mark> ,709,297. <mark>1</mark> 8	0.0015	0.0015	
2,140,214.7 <mark>8</mark>	0.0014	0.0014	
2,444.27	0.0074	0.0074	
29,668.12	0.0019	0.0019	

## **Continuing Work**

Process data collected from Leica P40 laser scanner and compare with data collected



PennState Wilkes-Barre