

# FY20 Q3 Laser Facility Report

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During the third quarter of FY20, the Omega Laser Facility was in safe stand-down for eight weeks, with additional weeks of recovery activities due to the COVID-19 pandemic and associated state regulations. During the remaining weeks of the quarter, the facility conducted 89 target shots on OMEGA and 69 target shots on OMEGA EP for a total of 158 target shots (see Tables I and II). OMEGA averaged 9.3 target shots per operating day, averaging 84.9% Availability and 99.4% Experimental Effectiveness. OMEGA EP averaged 8.3 target shots per operating day, averaging 92.5% Availability and 99.2% Experimental Effectiveness.

During this quarter, the system was fitted with additional computer resources and audio/video equipment to facilitate remote principal investigator collaboration with the shot crew, enabling experiments to proceed during social distancing. The Control Rooms were rearranged to maximize operator separation, and protocol was enhanced to minimize the passing of paper and equipment. At this time, LLE continues to operate with a decreased personnel density by maximizing work from home.

Table I: OMEGA Laser System target shot summary for Q3 FY20.

<b>Program</b>	<b>Laboratory</b>	<b>Planned Number of Target Shots</b>	<b>Actual Number of Target Shots</b>
ICF	LLE	38.5	36
ICF Subtotal		38.5	36
HED	LLE	11	13
	LLNL	22	23
HED Subtotal		33	36
NLUF		11	14
Calibration	LLE	0	3
<b>Grand Total</b>		<b>82.5</b>	<b>89</b>

Table II: OMEGA EP Laser System target shot summary for Q3 FY20.

<b>Program</b>	<b>Laboratory</b>	<b>Planned Number of Target Shots</b>	<b>Actual Number of Target Shots</b>
ICF	LLNL	7	7
ICF Subtotal		7	7
HED	LLE	7	9
	LANL	7	6
	LLNL	7	6
HED Subtotal		21	21
AIBS		7	12
LaserNetUS		7	11
Calibration	LLE	0	16
Grand Total		42	67

