

## FY22 Q3 Laser Facility Report

J. Puth, M. Labuzeta, D. Canning, and R. T. Janezic

Laboratory for Laser Energetics, University of Rochester

During the third quarter of FY22, the Omega Facility conducted 337 target shots on OMEGA and 242 target shots on OMEGA EP for a total of 579 target shots (see Tables I and II). OMEGA averaged 10.5 target shots per operating day, averaging 94.9% Availability and 94.7% Experimental Effectiveness. OMEGA EP averaged 8.3 target shots per operating day, averaging 95.4% Availability and 98.8% Experimental Effectiveness.

Table I: OMEGA Laser System target shot summary for Q3 FY22.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	66	61
	LANL	11	11
	LLNL	16.5	17
	SNL	5.5	6
ICF Subtotal		99	95
HED	LLE	33	38
	LANL	22	22
	LLNL	27.5	31
	SNL	11	12
HED Subtotal		93.5	103
LBS	LLNL	22	24
LBS Subtotal		22	24
NLUF		60.5	67
CEA		5.5	6
APL		11	12
CMAF		11	8
Calibration	LLE	0	22
<b>Grand Total</b>		<b>302.5</b>	<b>337</b>

APL: Applied Physics Labs (Johns Hopkins University)  
 CEA: Commissariat à l'énergie atomique aux énergies alternatives  
 CMAF: Center for Matter at Atomic Pressures  
 NLUF: National Laser Users Facility

Table II: OMEGA EP Laser System target shot summary for Q3 FY22.

<b>Program</b>	<b>Laboratory</b>	<b>Planned Number of Target Shots</b>	<b>Actual Number of Target Shots</b>
ICF	LLE	35	49
	LLNL	7	7
	SNL	7	6
<b>ICF Subtotal</b>		<b>49</b>	<b>62</b>
HED	LLE	14	17
	LANL	14	22
	LLNL	49	68
	SNL	7	10
<b>HED Subtotal</b>		<b>84</b>	<b>117</b>
CMAP		7	11
LaserNetUS		7	9
NLUF		28	25
Calibration	LLE	0	18
<b>Grand Total</b>		<b>175</b>	<b>242</b>