

## FY22 Q4 Laser Facility Report

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During the fourth quarter of FY22, the Omega Facility conducted 331 target shots on OMEGA and 202 target shots on OMEGA EP for a total of 533 target shots (see Tables I and II). OMEGA averaged 10.3 target shots per operating day, averaging 91.1% Availability and 94.1% Experimental Effectiveness. OMEGA EP averaged 7.7 target shots per operating day, averaging 92.8% Availability and 93.1% Experimental Effectiveness.

Table I: OMEGA Laser System target shot summary for Q4 FY22.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	88	70
	LLNL	22	23
ICF Subtotal		110	93
HED	LLE	22	20
	LANL	44	48
	LLNL	27.5	20
HED Subtotal		93.5	88
LBS	LLE	22	16
	PPPL	11	10
	SLAC	11	7
LBS Subtotal		44	33
APL		11	10
CEA		27.5	29
NLUF		44	44
OFES		11	14
Calibration	LLE	0	20
<b>Grand Total</b>		<b>341</b>	<b>331</b>

APL: Applied Physics Labs (Johns Hopkins University)

CEA: Commissariat à l'énergie atomique aux énergies alternatives

NLUF: National Laser Users Facility

OFES: Office of Fusion Energy Sciences

Table II: OMEGA EP Laser System target shot summary for Q4 FY22.

<b>Program</b>	<b>Laboratory</b>	<b>Planned Number of Target Shots</b>	<b>Actual Number of Target Shots</b>
ICF	LLE	17.5	19
	LLNL	21	23
	NRL	7	8
ICF Subtotal		45.5	50
HED	LLE	21	27
	LANL	7	7
	LLNL	31.5	33
HED Subtotal		59.5	67
LBS	LLE	3.5	3
	LLNL	7	13
LBS Subtotal		10.5	16
CMAP		7	10
LaserNetUS		7	7
NLUF		35	42
Calibration	LLE	21	10
Grand Total		185.5	202

CMAP: Center for Matter at Atomic Pressures