

FY22 Q1 Laser Facility Report

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During the first quarter of FY22, the Omega Facility conducted 233 target shots on OMEGA and 207 target shots on OMEGA EP for a total of 440 target shots (see Tables I and II). OMEGA averaged 10.4 target shots per operating day, averaging 91.3% Availability and 88.9% Experimental Effectiveness. OMEGA EP averaged 9.0 target shots per operating day, averaging 95.3% Availability and 94.9% Experimental Effectiveness.

Table I: OMEGA Laser System target shot summary for Q1 FY22.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	104.5	104
	LANL	11	12
	LLNL	11	6
ICF Subtotal		126.5	122
HED	LLE	11	8
	LANL	11	9
	LLNL	22	23
HED Subtotal		44	40
LBS	LLNL	22	21
LBS Subtotal		22	21
AIBS		22	17
APL		11	14
NLUF		22	19
Grand Total		247.5	233

AIBS: Academic and Industrial Basic Science

APL: Applied Physics Labs (Johns Hopkins University)

NLUF: National Laser Users Facility

Table II: OMEGA EP Laser System target shot summary for Q1 FY22.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	14	13
	LLNL	21	26
	NRL	7	9
ICF Subtotal		42	48
HED	LLE	14	16
	LANL	7	8
	LLNL	21	27
HED Subtotal		42	51
LBS	LLNL	10.5	18
	LLE	7	14
	PPPL	7	6
LBS Subtotal		24.5	38
CMAP		7	10
CEA		7	8
NLUF		31.5	39
Calibration	LLE	0	13
Grand Total		154	207

CMAP: Center for Matter at Atomic Pressures

CEA: Commissariat à l'énergie atomique et aux énergies alternatives