

FY19 Q4 Laser Facility Report

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Laboratory for Laser Energetics

During the fourth quarter of FY19, the Omega Facility conducted 421 target shots on OMEGA and 201 target shots on OMEGA EP for a total of 622 target shots (see Tables I and II). OMEGA averaged 11.1 target shots per operating day, averaging 95.7% Availability and 95.4% Experimental Effectiveness.

OMEGA EP was operated extensively in Q4 FY19 for a variety of user experiments. OMEGA EP averaged 8.0 target shots per operating day, averaging 96.4% Availability and 93.8% Experimental Effectiveness.

Table I: OMEGA Laser System target shot summary for Q4 FY19.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	143	155
	LANL	22	24
	LLNL	16.5	15
	NRL	11	7
ICF Subtotal		192.5	201
HED	LLE	22	21
	LANL	44	46
	LLNL	33	35
HED Subtotal		99	102
CEA	CEA	11	14
LBS	LLE	33	38
	LLNL	27.5	35
	Oxford	11	8
LLE Calibration	LLE	0	23
Grand Total		374	421

Table II: OMEGA EP Laser System target shot summary for Q4 FY19.

Program	Laboratory	Planned Number of Target Shots	Actual Number of Target Shots
ICF	LLE	24.5	32
	LANL	14	22
ICF Subtotal		38.5	54
HED	LLE	28	32
	LANL	7	8
	LLNL	42	42
HED Subtotal		77	82
CEA	CEA	7	11
LBS	LANL	7	5
	LLE	14	17
	LLNL	7	14
	Oxford	3.5	7
LLE Calibration	LLE	7	11
Grand Total		161	201