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OAUNI photometry of SN 2024jlf

ATel #16921; **A. Pereyra (Geophysical Institute of Peru, Astronomy Area), M. Zevallos (National University of Engineering - UNI, Peru), D. Alvarado (UNI), J. Delgado (UNI), J. Tello (UNI), L. de Almeida (Universidade Federal do Rio Grande do Norte, Brasil), E. Torre (UNI)**

on 25 Nov 2024; 19:57 UT

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Subjects: Optical, Supernovae, Transient

Post

We report photometry of Type II SN 2024jlf (TNSTR-2024-1682, TNSCR-2024-1686) gathered with the OAUNI 51cm telescope (arXiv:1512.03104) at Huancayo Observatory, Peru. CCD imaging in R filter was performed on five consecutive nights under non-photometric conditions with airmasses lower than 1.3. The integration time was $40 \times 20 \text{s} = 800 \text{s}$ for all observations. Our measurements yielded:

Date (UT)	filter	seeing (")	mag
2024-06-05.056	R	2.5	14.71 +/- 0.01
2024-06-06.024	R	2.7	14.57 +/- 0.03
2024-06-07.013	R	2.9	14.45 +/- 0.03
2024-06-08.010	R	2.7	14.54 +/- 0.02
2024-06-09.005	R	2.5	14.66 +/- 0.02

UCAC4 field stars were used for the zero point calibration. Our first observation is ~8 days after ZTF discovery (TNSTR-2024-1682). The OAUNI project is supported by UNI, TWAS, IGP and ProCiencia-Concytec (Convenio 133-2020 Fondecyt).

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