

The Xingming Obs XOSS group report a supernova SN 2021agco

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Abstract: On Dec.05 ,2021. The Xingming Obs. report a possible supernova, which is SN 2021agco. Its host is UGC 3855 whose red shift is 0.010401. Discover Mag is 17.6G.

Keywords : Supernova ,Optical

Object Reports

On Dec.05 ,2021. The Xingming Obs. report new possible Supernova data to TNS and TOCP. At the same time, TNS get SN 2021agco of number with named possible supernova which in TOCP number is PSN J07281050+5830128 and Xingming Obs. of number is PSP21al.

Object RA/DEC is 07:28:10.500 +58:30:12.80 .AT 2021agco discovered Mag is 17.6 G, and report numbers are Chunpeng Bi, Jiashuo Zhang, Jianlin Xu, Jingyuan Zhao, Jiagao Ruan, Yanxi Li,

Guoyou Sun, Wenjie Zhou, Yi Ding, Mi Zhang, Xing Gao(Xingming Obs).

Photography parameters

Photo's exposure time is 90-s (limiting mag about 18.5) taken by Xing Gao at Xingming Observatory #3 (N88) around Dec. 05.56405, 2021 UT using an unfiltered CCD (+ 0.6-m f/8 Ritchey-Chretien telescope). Sender is Mi Zhang and Observer is Xing Gao.

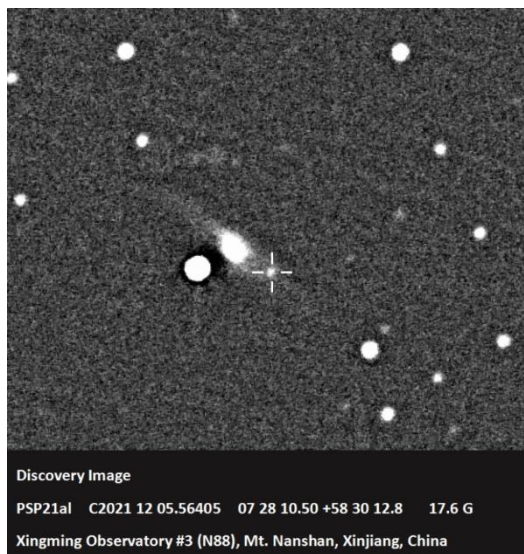
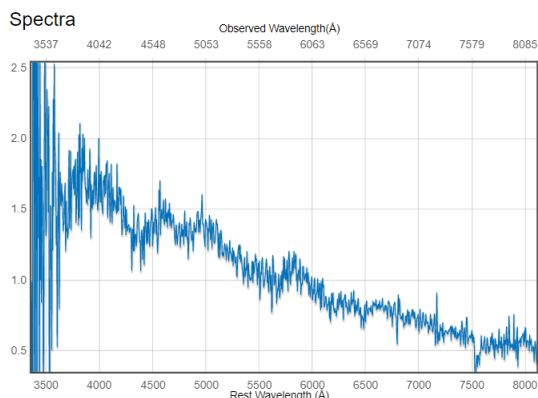
Observation report

Through The Xingming Obs #2(HMT) get data.

2021agco	C2021 12 02.7892107 28	10.73 +58 30 12.2	17.55G	N89
2021agco	C2021 12 04.9107207 28	10.66 +58 30 12.3	17.10G	N89
2021agco	C2021 12 05.9173107 28	11.25 +58 30 13.0	16.49G	N89

Spectra

In Dec.08 ,2021 The Padova-Asiago took spectra of 2021agco, and Lina Tomasella, Stefano Benetti, Enrico Cappellaro (INAF OAPd) affirm 2021agco that is consistent with an early Type II SN, and its red shift is 0.010564.



References:

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[2]Chunpeng Bi, Jiashuo Zhang, Jianlin Xu, Jingyuan Zhao, Jiangao Ruan, Yanxi Li, Guoyou Sun, Wenjie Zhou, Yi Ding, Mi Zhang, Xing Gao.2021agco Report #131039.TNS.2021-12-5.<https://www.wis-tns.org/object/2021agco>
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