**Optical Spectroscopy of Novae ASASSN-17hx and V5668 Sgr at Bosscha Observatory**

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ABSTRACT

We report optical spectroscopic observation in 2017 on two interesting novae. Those two novae, namely ASASSN-17hx (Stanek et al., ATEL #10523) and V5668 Sgr (CBET No. 4030), were observed on four nights in July and August. We employed two spectrographs, i.e NEO-R1000 (*R*=1000) equipped with SBIG ST-8 CCD camera attached to a 28 cm (*F*/10) telescope and LHIRES III (*R*~5000) equipped with SBIG ST-402 CCD camera attached to a 25 cm (*F*/10) telescope. Spectroscopic reduction was carried out using longslit.transform routines within IRAF. We performed wavelength and flux calibrations in a standard manner, using HR7001 (Vega) as spectrophotometric standard star.

The spectral energy distribution of ASASSN-17hx shows a strong Hα emission line and an absorption line at λ=5893Å. In the spectra of V5668 Sgr, emissions were found at λ=4955Å, λ=5003Å, and also Hα. We also identified multiple strong emissions of suspected city lights in both novae spectra at λλ4341, 5353, 5415, and 6112ÅÅ.

Hα profile of ASASSN-17hx exhibits double-peak with central absorption with broad feature. The radial velocities corresponding to blue-shifted peaks and central absorption are 485.672 km/s, 23.403 km/s, and 287.131 km/s respectively. The typical error (standard deviation) in radial velocity based on high resolution spectra of Vega is 0.945 km/s.

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