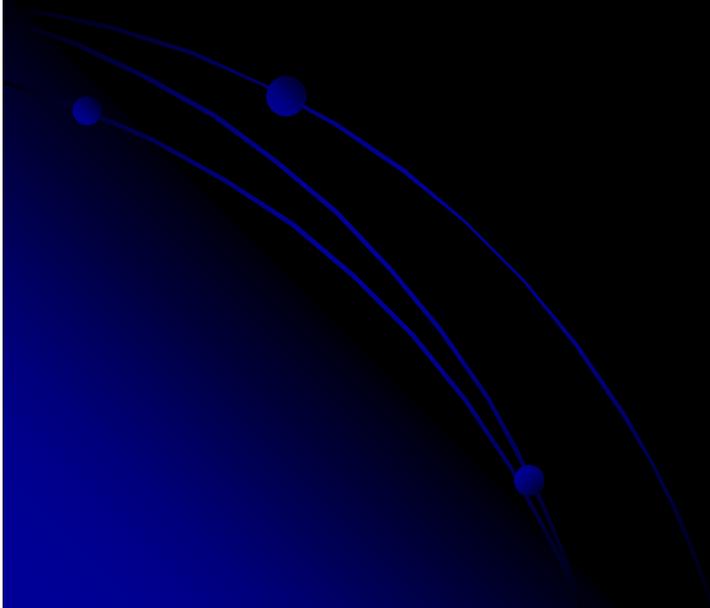




2° Meeting Unione Astrofili Napoletani
INAF – Osservatorio Astronomico di Capodimonte
1° dicembre 2012

Una Nova in Sagittario...

Analisi spettroscopica



La notizia ...



AAVSO
American Association of Variable Star Observers

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Alert Notice 463: Nova Sagittarii 2012 No. 3 = PNV J17522579-2126215

July 3, 2012:

Event: Nova Sagittarii 2012 No. 3 = [PNV J17522579-2126215](#)

Discovered independently by:

- Koichi Itagaki (Yamagata, Japan, reported by Hitoshi Yamaoka, Kyushu University)
- Yukio Sakurai (Mito, Ibaraki-ken, Japan)

Discovery Magnitude:

- Itagaki: magnitude 10.3 on an unfiltered CCD image taken with a 0.21-m reflector
- Sakurai: magnitude 9.9 on four 20-s frames taken with a Fuji FinePix S2 Digital Camera + Nikon 180-mm f2.8 lens

Discovery date:

- Itagaki: 2012 June 26.5494 UT
- Sakurai: 2012 June 26.540 UT

Coordinates:

- Itagaki: R.A. 17 52 25.79 Dec. -21 26 21.5 (2000.0)
- Sakurai: R.A. 17 52 25.59 Dec. -21 26 22.9 (2000.0), measured by S. Nakano, Sumoto, Japan, +/- 5" and limiting magnitude ~11.5;

Strumentazione e Software

- Telescopio Maksutov 180 f/10 su Montatura Skywatcher NEQ6
- CCD Atik 16 IC-S sensore monocromatico
- Reticolo di diffrazione Shelyak Star Analyzer 100 linee/mm

- AstroArt
- Visual Spec



Spettro



Procedure

Acquisizione degli spettri

Acquisizione delle immagini di pre-riduzione

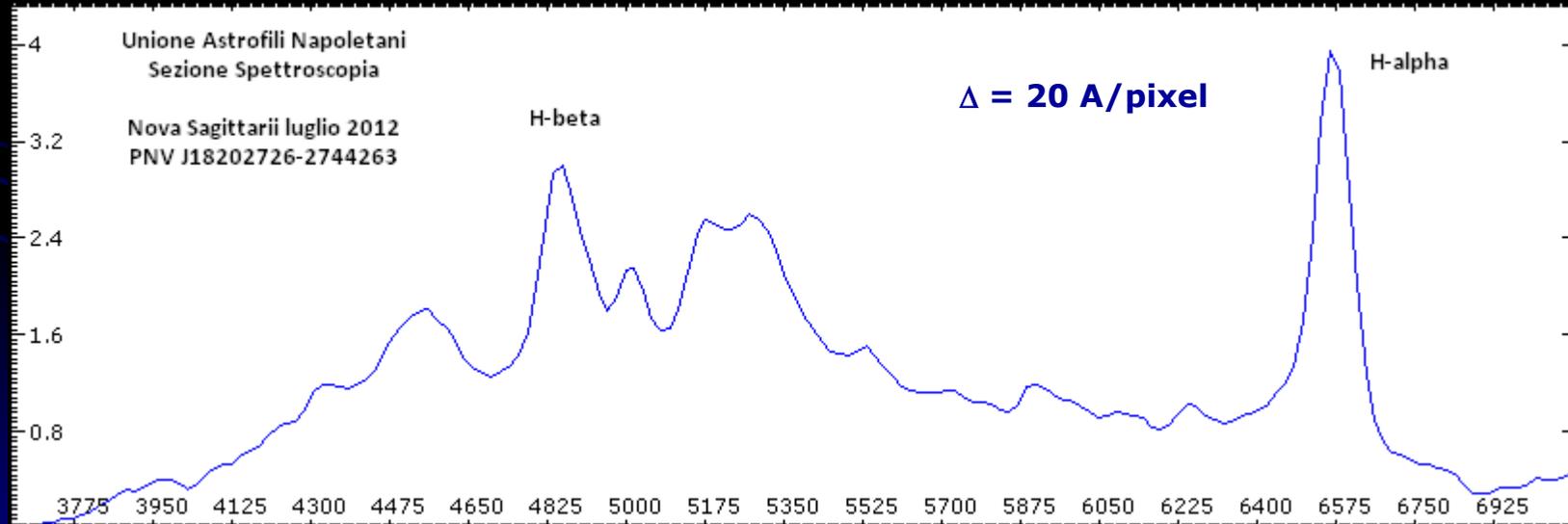
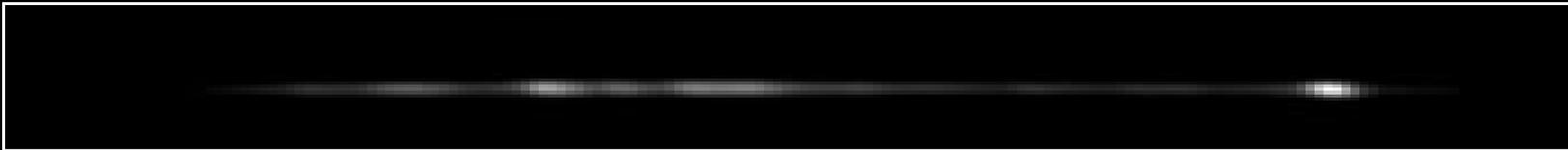
Pre-processing degli spettri

Media degli spettri per aumentare il rapporto S/N

Sottrazione del fondo cielo

Calibrazione in lunghezza d'onda dello spettro

Spettro e profilo



Publicazione



ARAS Spectroscopy Forum

Indice < Spectra, results, information on activity ...

Pannello di Controllo Utente (0 nuovi messaggi privati) • I tuoi messaggi

FAQ Iscriviti Logout [Elio Ricciardiello]

Nova Sagittarii

POSTREPLY Cerca

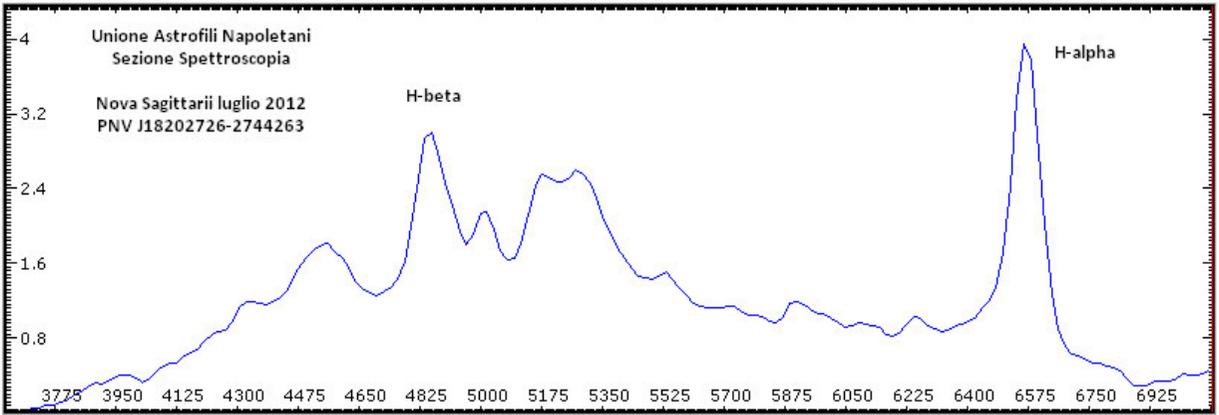
3 messaggi • Pagina 1 di 1

Nova Sagittarii EDIT QUOTE

da **Elio Ricciardiello** > mar lug 17, 2012 12:20 pm

In Naples on 10/07/2012 from Observatory of Capodimonte we, Section of Spectroscopy of Unione Astrofili Napoletani, had caught Nova Sagittarii spectrum by Maksutov180mm, Neq6 Skywatcher, StarAnalyzer 100U/mm.
Best regards
Elio Ricciardiello

ALLEGATI



Unione Astrofili Napoletani
Sezione Spettroscopia

Nova Sagittarii luglio 2012
PNV J18202726-2744263

H-beta H-alpha

novasag-spectr.png (12.87 KiB) Osservato 110 volte

Elio Ricciardiello ONLINE

Messaggi: 2
Iscritto il: mar dic 06, 2011 10:19 pm

Commenti

Re: Nova Sagittarii

Da **Francois Teyssier** » mer lug 18, 2012 6:15 am

Good, The hydrogen lines are quite apparent
You could try to correct the instrumental response.

Can you tell us more about the Section of Spectroscopy of Unione Astrofili Napoletani
What instruments, spectrographs, the activity ...

Best regards

François Teyssier

François Teyssier
<http://www.astronomie-amateur.fr>



Re: Nova Sagittarii

Da **Elio Ricciardiello** » mer lug 18, 2012 10:27 am

The Section of Spectroscopy is a sperimental Section of the Unione Astrofili Napoletani (UAN) which observe from the Observatory of Capodimonte in Naples. It is composed of four amateurs (including me) and is operating from 2009. Our works have regarded Betelgeuse [Misura della temperatura superficiale di Betelgeuse mediante il metodo spettroscopico <http://adsabs.harvard.edu/abs/2011AsUAI...1...20C>] presented to Congresso Unione Astrofili Italiani (UAI) on September 2010, Moon [Monitoraggio dei fenomeni lunari transienti (TLP) mediante spettroscopia <http://adsabs.harvard.edu/abs/2007AsUAI...6...13M>], P-Cygni (next publication on UAI Review), AB-Aurigae, Delta Cephei, monthly monitoring of the spectrum of the crater Aristarchus from July 2011 in search of TLP . Antonio Marino, also him of the Section, have built a spectrograph with a 1200 lines grating and a Hg calibration lamp. Ideas are not missing for us. We operate by Maktusov 1800 on NEq6 Skywatcher, Star Analyzer 100l/mm, CCD Atik 16 IC-5 in west cupola or by Celestron C11 f/10 on CI 700, DADOS Baader Planetarium 200-900 l/mm, Atik in east cupola Atik 16 IC-5.

Best regards

Elio Ricciardiello

