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47	173	V3600 LMC (e chart)	97	198	V2673 Oph = Nova Oph 2010
48	173	V3600 LMC (g chart)	98	198	V2673 Oph (chart, 23" = 1mm)
49	174	SN in NGC 7793	99	199	V5585 Sgr = Nova Sgr 2010
50	174	SN (NGC 7793) (e chart)	100	199	V5585 Sgr (e chart)
			101	200	V2674 Oph=N. Oph 2010 #2 (e cht)

Chart scales: 'b' 60"=1mm; 'd' 20"=1mm; 'e' 10"=1mm; 'f' 5"=1mm; 'g' 2.5"=1mm

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Sent: Sunday, 27 November 2005 6:11 PM
Attach: nova_lmc_05_1.gif
Subject: VSM 151 : Possible Nova in LMC

VSM 151 : (Electronic Circular) 2005 November 27

Object : 0510-69 Pos. Nova LMC 2005

Position: (2000) 05h10.6m -69 13'

W. Liller has discovered a possible nova in the LMC. The object was found on two films taken Nov. 26.164 UT using a 0.20m Schmidt camera and Kodak TP film. The object also appeared to be visible at 12.8mag on Nov. 22.005, but nothing was seen brighter than mag. 13 on Nov. 20. Magnitude at discovery was 11.5.

The following sequence should be suitable. The possible nova lies a few arcminutes south of the OB association Lucke-Hodge 33.

Star RA2000 DEC2000 V B-V S HD/Other

```
=====
1. 05:09:30.03 -69:19:13.4 8.70 1.18 T2 34276
2 05 09 26.31 -69 09 34.0 9.36 0.24 T2 34144
3 05 12 01.54 -69 07 06.5 10.64 1.12 269175
4 05 10 27.38 -69 09 11.7 11.42 0.33 269139
5 05 09 58.79 -69 07 02.0 12.56 0.02 M Sk-69 68
6 05 11 35.70 -69 12 18.9 13.14 0.61 M
7 05 10 49.98 -69 09 39.1 13.29 0.52 M
8 05 10 55.79 -69 11 07.0 14.40 0.19 L
```

Sources of photometry:

T2 = Hipparcos/Tycho2

M = Massey, P. Astrophys. J. Suppl 141,81 (2002). [CDS cat. II/236]

L = Lucke, P. Thesis, Univ. Washington 1972.

The Chart.

=====

The attached chart is from Guide8. It is 15' high, and is centred on the approximate position of Liller's object.

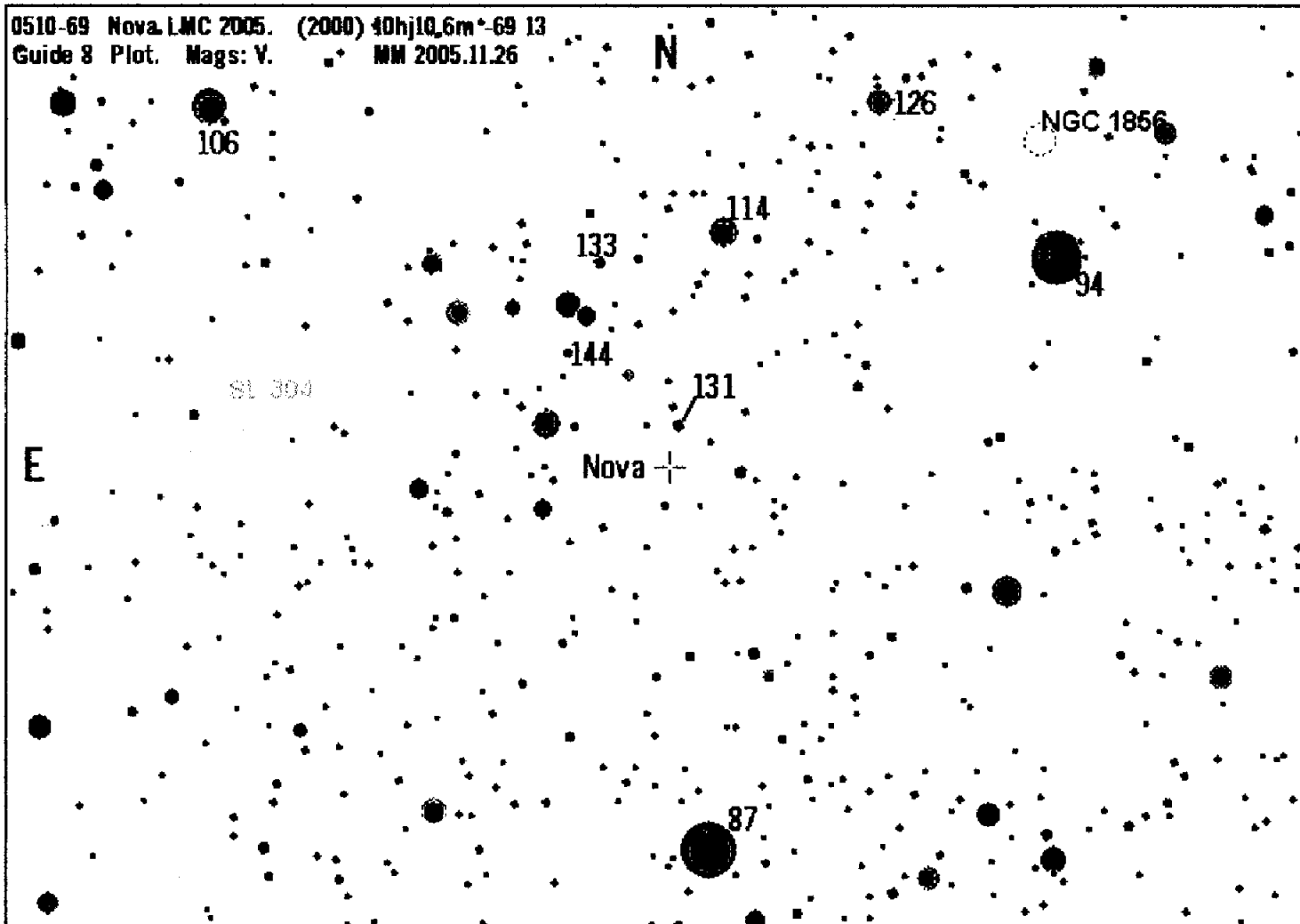
—Mati Morel

Thomton NSW 2322

E151:38:33

S32:46:47

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Sent: Monday, 12 December 2005 6:38 PM
Attach: Nv_LMC_05-R.jpg
Subject: VSM152 : Extended UBVR sequence for Nova LMC 2005

VSM 152 : (Electronic Circular) 200 December 11.

Object : 0510-69 Nova LMC 2005

Position : (2000) 05:10:32.68 -69:12:35.7

The table below provides an extended sequence for Liller's Nova, which is still relatively bright, for an LMC nova.

Star # RA 2000 DEC 2000 V B-V U-B V-R V_err

A	05:10 56.21	-69:10:20.0	12.13	0.86	0.71	0.48	0.00
6	05 10 35.70	-69 12 18.9	13.14	0.61	0.34	0.34	0.01
B	05 10 24.35	-69 13 02.6	13.25	0.59	0.36	0.34	0.01
8	05 10 55.79	-69 11 07.0	14.40	0.19			
C	05 10 37.74	-69 12 49.3	15.17	0.09	0.30	0.12	0.04
D	05 10 33.06	-69 11 52.4	15.82	0.85	0.35	0.43	0.08
E	05 10 36.96	-69 12 30.7	16.13	-0.14	-0.65	-0.16	0.09
F	05 10 32.02	-69 12 33.3	16.48	0.99		0.57	0.10

Notes:

The data is taken from Massey, CDS catalogue II/236 (UBVR CCD survey of the Magellanic Clouds).

Except for star 8, which is by Lucke.

Stars 6 and 8 are from the numbered sequence in VSM 151.

New stars are designated by capital letters.

Star F is barely visible, being just west of the nova, and partly obscured by the open circle.

The main reason for star F is to preclude identification problems when the nova fades.

The chart.

DSS red plate. Size about 5.3' x 5.3'.

Regards,

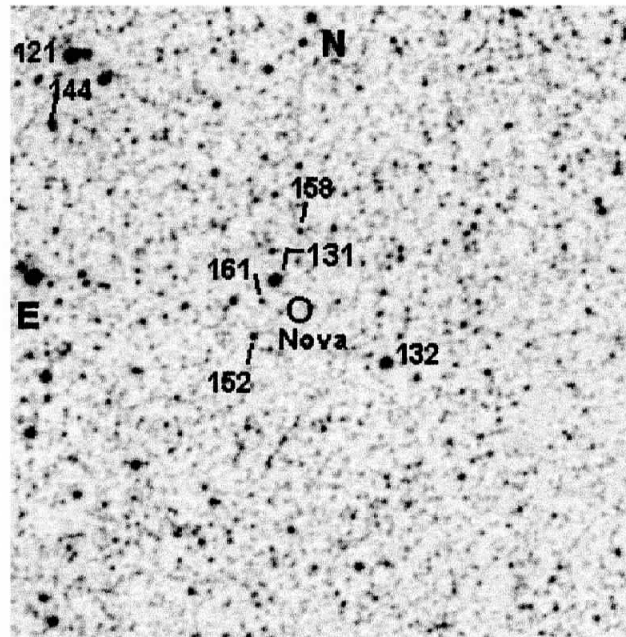
--Mati Morel

Thornton NSW 2322

E151:38:33

S32:46:47

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Sent: Saturday, 11 February 2006 7:54 PM
Attach: Nova_Oph_06.gif
Subject: VSM 153 : Nova Oph 2006

VSM 153 : (Electronic Circular) 2006 February 11.
 =====

Object : 1727-24 Nova Oph 2006
 Position : (2000) 17:33:13 -24:21:06
 New bright object in Oph: ASAS 173313-2421.1 (Nova or other object?).
 Disc. on Feb. 9, at $V = 12.0$. 7 observations on Feb. 10, also $V = 12.0$,
 confirm the object.

→ first observation of the season has picked up a new object in Oph. The field is heavily reddened

Grzegorz Pojmanski, Warsaw University Astronomical Observatory reports:
 ASAS3V instrument of The All Sky Automated Survey (telephoto lens 200/2.8,
 diameter 70mm + CCD + Johnsons V filter, 3 minute exposures, pixel size
 14.8 arcsec, rms astrometric accuracy - 4 arcsec)

Provisional V Sequence. from ASAS-3

=====					<u>ASAS1733.dat</u>		
Star	RA2000	DEC2000	V	Err	V	Err	B-V
1	17:33:08.0	-24:22:01	11.98	0.04	11.965	0.010	2.695
2	17:32:48.2	-24:12:48	12.26	0.05	12.247	0.006	0.960
3	17:33:09.3	-24:09:49	12.85	0.07			
4	17:33:45.4	-24:27:46	13.10	0.09	13.049	0.010	0.975
5	17:33:05.6	-24:28:30	13.40	0.11	13.358	0.006	1.258
6	17:33:28.5	-24:20:02	13.64	0.15	13.718	0.015	1.926
7	17:33:12.8	-24:22:55	14.5	Provisional.	14.520	0.021	1.339

Note:

Star 7 is approximate.. Is consistent with USNO-A2,0 (14.6) and GSC 2,2 (14.40).

Chart,

=====

Guide 8 plot. Size of field : 30' x 30'. Mags: V

--Mati Morel

Thornton NSW 2322

E151:38:33

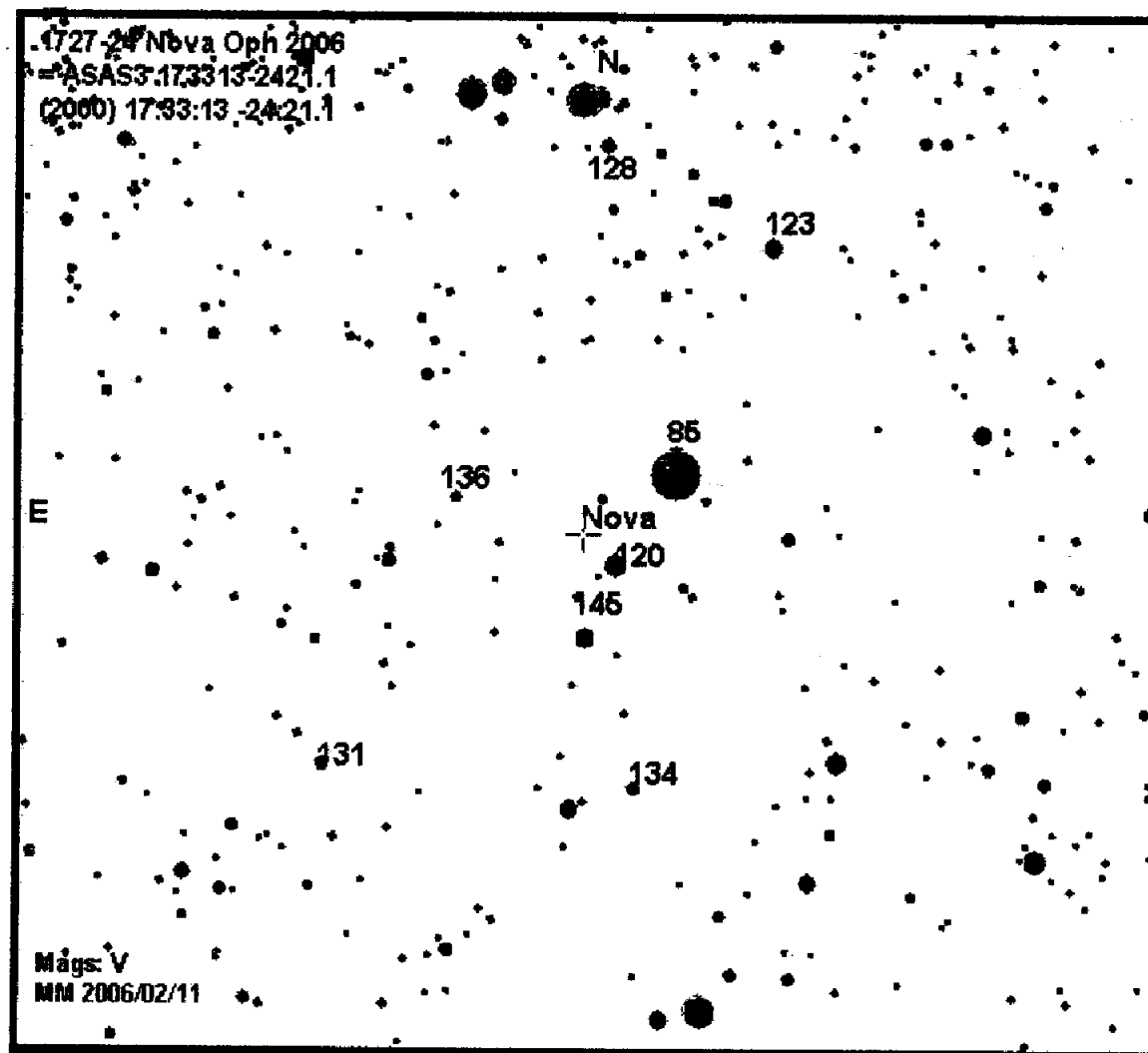
S32:46:47

morel@ozemail.com.au

V2575 Oph.

17:33:13.05 -24:21:07.1

$V = 11.456$ Err 0.008 $B-V = 2.178$



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Sent: Saturday, 18 February 2006 9:47 PM
Attach: NOVASGR06.gif
Subject: VSM 154 : Possible nova in Sgr

VSM 154 : (Electronic Circular) 2006 February 18.

Object : 1752-36 Nova Sgr 2006

Position : (2000) 17:58.9 -36:48

Bill Liller reports :

There is a possible nova at (2000) 17h 58.9m -36d 48'; its approximate magnitude is 9.0. It appears on three (3) photos taken near Feb. 17.37 UT

on Kodak TP film, an orange filter and an 85mm lens. Nothing brighter than magnitude 11.0 was seen at this position on Feb. 5.36. Spectra needed

V5117 Sgr
 (2000) 17^h58^m52^s.61 -36°47'35"1
 (IAUC 8673)

I have compiled a comprehensive sequence as follows :

No. RA2000 DEC2000 V B-V S HD/DM

1.	17:58:55.7	-36:51:30	5.74	0.92	H/T	163652
2.	17 58 51.4	-36 51 45	7.71	0.41	"	163651
3.	18 00 39.2	-36 58 00	7.93	1.28	"	164004
4.	17 59 56.1	-37 16 16	8.32	0.12	"	163831
5.	17 58 31.5	-36 26 58	9.04	0.66	"	163604
6.	17 59 02.4	-36 40 18	9.76	0.04	"	163689
7.	18 00 13.6	-36 38 41	9.94	1.60	"	321098 Note1
8.	17 59 22.3	-36 38 53	10.27	0.60	"	321097 Note 2
9.	18 00 12.7	-36 43 55	10.82	(0.03)	ASAS	321101
10.	17 58 48.7	-36 38 33	11.04	(0.03)	"	C-36 12057
11.	17 58 49.7	-36 46 41	11.51	(0.04)	"	
12.	18 00 11.4	-36 45 22	11.53	(0.04)	"	CPD-36 7877
13.	17 59 11.8	-36 43 52	11.66	(0.05)	"	Red
14.	17 58 58.0	-36 44 04	12.92	(0.10)	"	Close Double

Notes:

H/T = Hipparcos/Tycho-2

ASAS = ASAS-3 V + (err)

Note 1: ASAS-3 gives V=9.92 (0.01). No variability.

Note 2: ASAS-3 gives V=10.26 (0.015)

A couple of stars are red, and more searching is needed to fill in the faint-end gaps.

The Chart:

Guide 8 plot. 1 degree high. V mags are in italics, to try to distinguish them from variables.

The nova lies close to the junction of three constellations - Sgr, Sco and CrA.

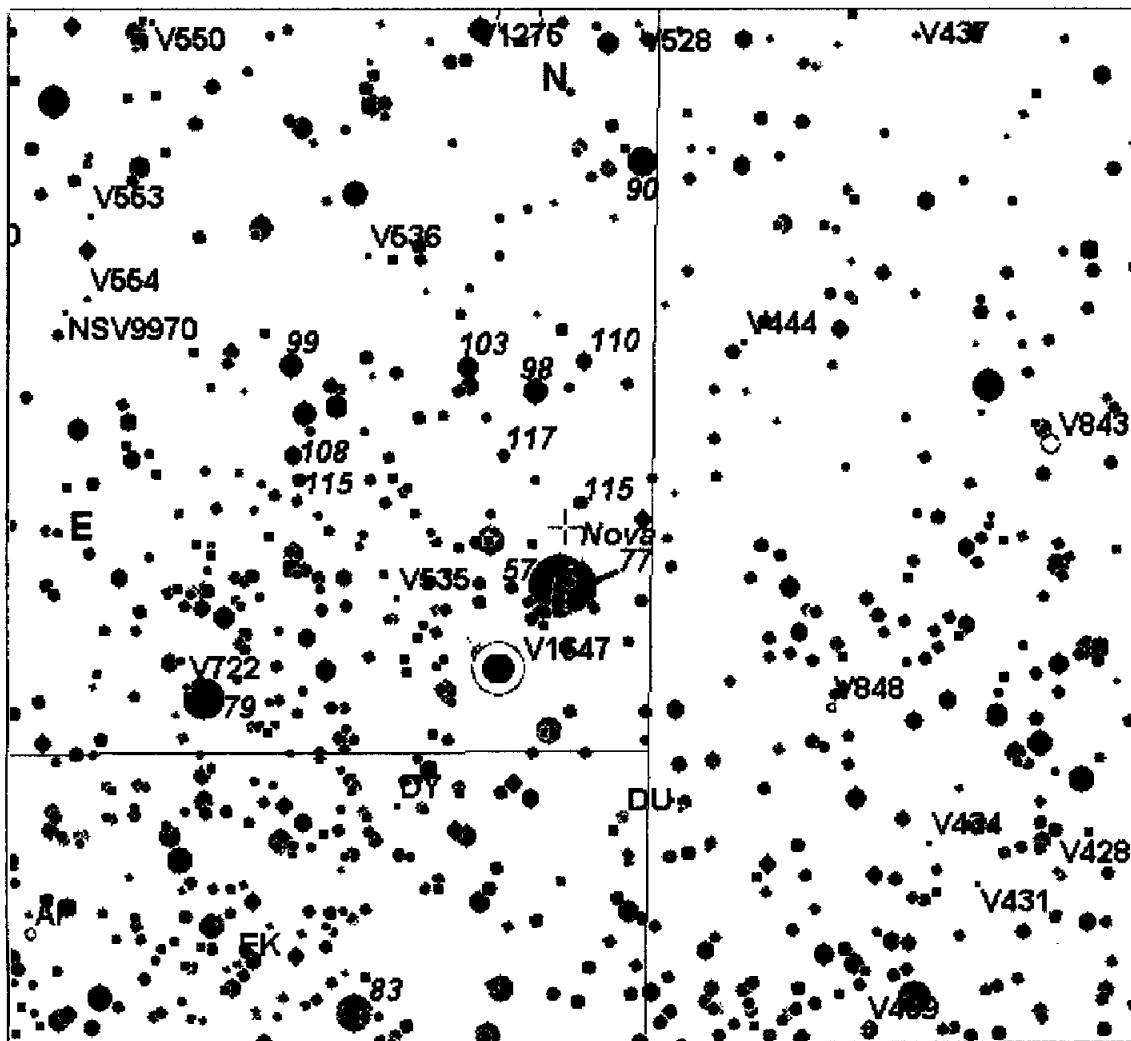
--Mati Morel

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E151:38:33

S32:46:47

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Sent: Saturday, 8 April 2006 10:15 PM
Attach: PFW1.gif
Subject: Probable Nova in Oph

VSM 155 : (Electronic Circular) 2006 April 8
 =====

Object : 1709-29 Nova Oph 2006 No. 2
 Position : (2000) 17:15:33.00 -29:09:39.9 T. Krajci, AZ, NM, USA.

V2576 Oph

Report:

Peter Williams, Heathcote NSW, reports the discovery of a 10th mag star not previously charted or noticed near V517 Oph.

It lies about 40" SE of comp. His observations are as follows :

2006 04 06.565 10.5 WPX

2006 04 06.590 10.4 WPX

2006 04 06.611 10.4 WPX

M. Fujii (Okayama, Japan) obtained a low resolution spectrum of the possible nova on Apr. 7. A clear P Cyg profile was seen in the H α region, also seen in the H β region but S/N was not good. This seemed to be a nova at maximum.

Chart.

=====

Chart is a Guide8 plot, with USNO-A2.0 stars added. Mag. limit about 16.5v.
 Equinox J2000.

Mags: V, by P.M. Kilmartin, Publ. VSS, RASNZ 16 (C88). Sequence for V517 Oph.

The sequence for V517 Oph is quite adequate.

—Mati Morel

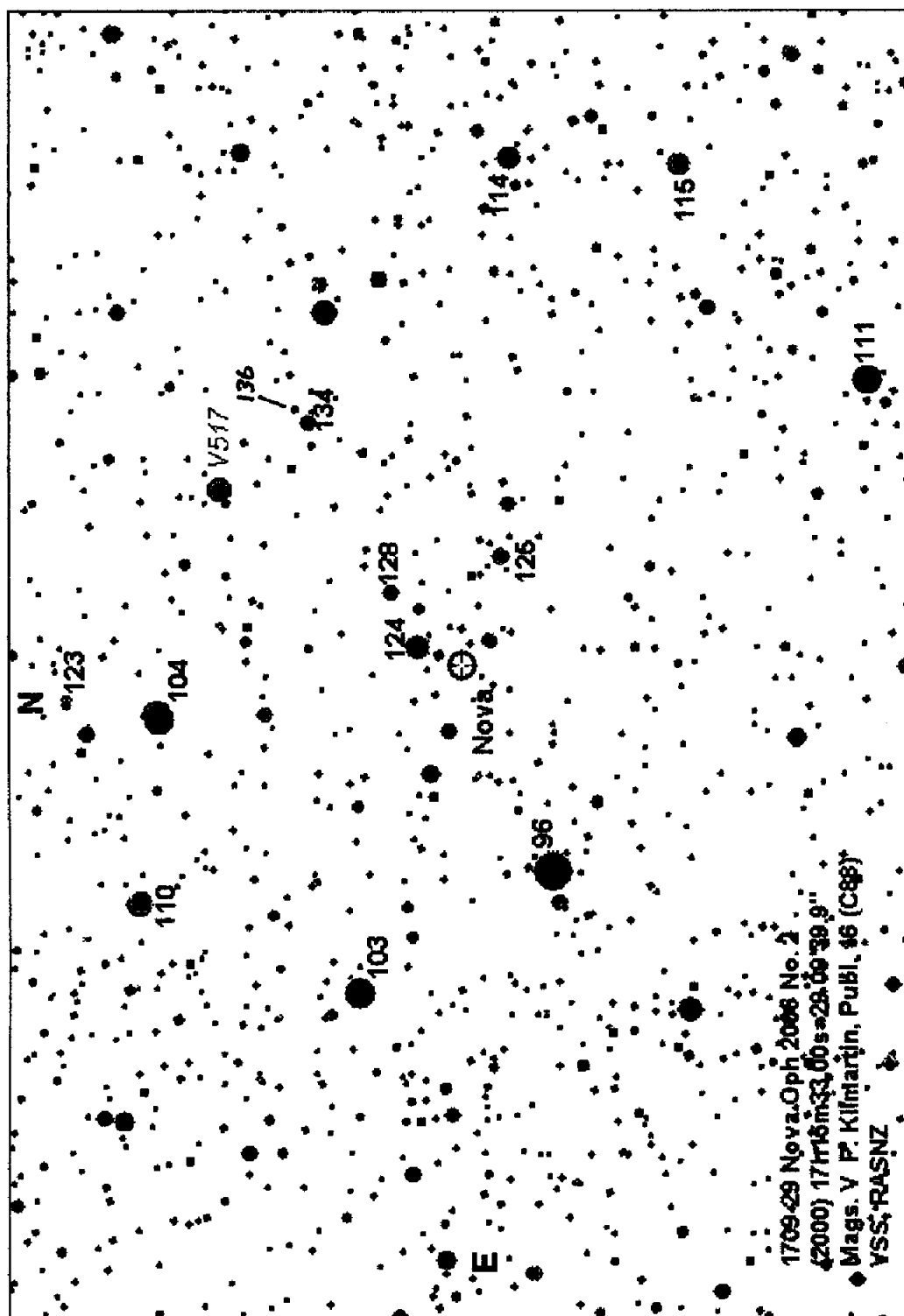
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51:38:33

S32:46:47

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VSM 155



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Cc: <lgsdiscala@bigpond.com>
Sent: Sunday, 4 June 2006 8:06 PM
Attach: V2576_Oph.gif
Subject: VSM 156 : extended sequence for V2576 Oph = Nova Oph 2006

VSM 156 : (Electronic Circular) 2006 June 4.

=====

Object : 1709-29 V2576 Oph = Nova Oph 2006
 Position: (2000) 17:15:33.00 -29:09:39.9

Deeper chart and sequence.

=====

Scale : 5" = 1mm
 Plot : Guide 8 plot of GSC stars + DSS print.
 Sequence : V (CCD), courtesy of Giorgio Discala.
 I thank him for his quality work in imaging this field.

--Mati Morel

Thornton NSW 2322

E151:38:33

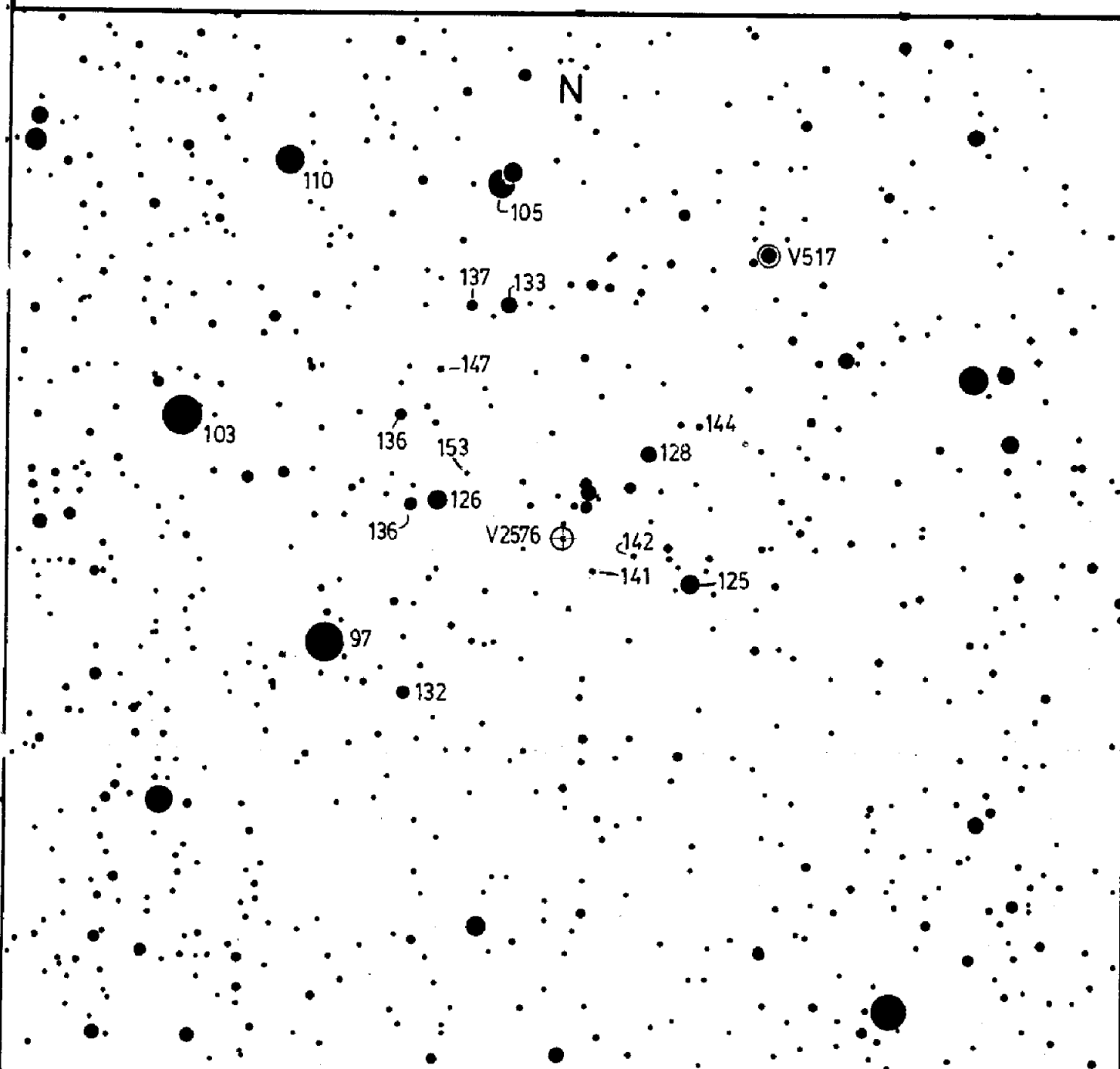
S32:46:47

morel@ozemail.com.au

170929 V2576 Ophiuchi
(2000) 17h15m33.00s -29°09'39.9"
Nova 10.4v - ? Spec. Pec

Also shown :
V517 Oph (RCB)

Scale : 5" = 1mm



Plotted from GSC

Equinox 2000

Mags: V
(C) 2006

MM 04.06.06

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Sent: Thursday, 22 June 2006 10:43 AM
Attach: SN2006dd.gif
Subject: VSM 157 : SN2006dd (NGC 1316)

VSM 157 : (Electronic Circular) 2006 June 22
 =====

Object : 0318-37 SN 2006dd (NGC 1316)
 Position : (2000) 03:22:41.64 -37:12:13.2

A Supernova has been detected in the galaxy NGC 1316 by Berto Monard, South Africa. It has been confirmed by the SWIFT satellite team (UV Optical Telescope), and indications are that 2006dd is a young type II SN before or around max.

Photometry:

=====

June 20.158 B = 14.66 V = 14.41 (Monard, CBET #553)

June 20.71 B = 14.5 V = 14.0 (SWIFT)

A type II event would not be expected to become as bright as a type I, of which two have appeared in NGC 1316 in the past : - -

SN 1980N 1980 Dec. 11 m = 12.5 Type I a

SN 1981D 1981 Mar. 16 m = 12.59B Type I a (R. Evans)

SN2006dd lies only 15" due north of the nucleus of NGC 1316.

Chart and Sequence.

=====

Guide 8 plot, with V sequence taken from Brian Skiff's LONEOS catalogue of reference stars.

Attached : SN2006dd.GIF

Mati Morel

Thornton NSW 2322

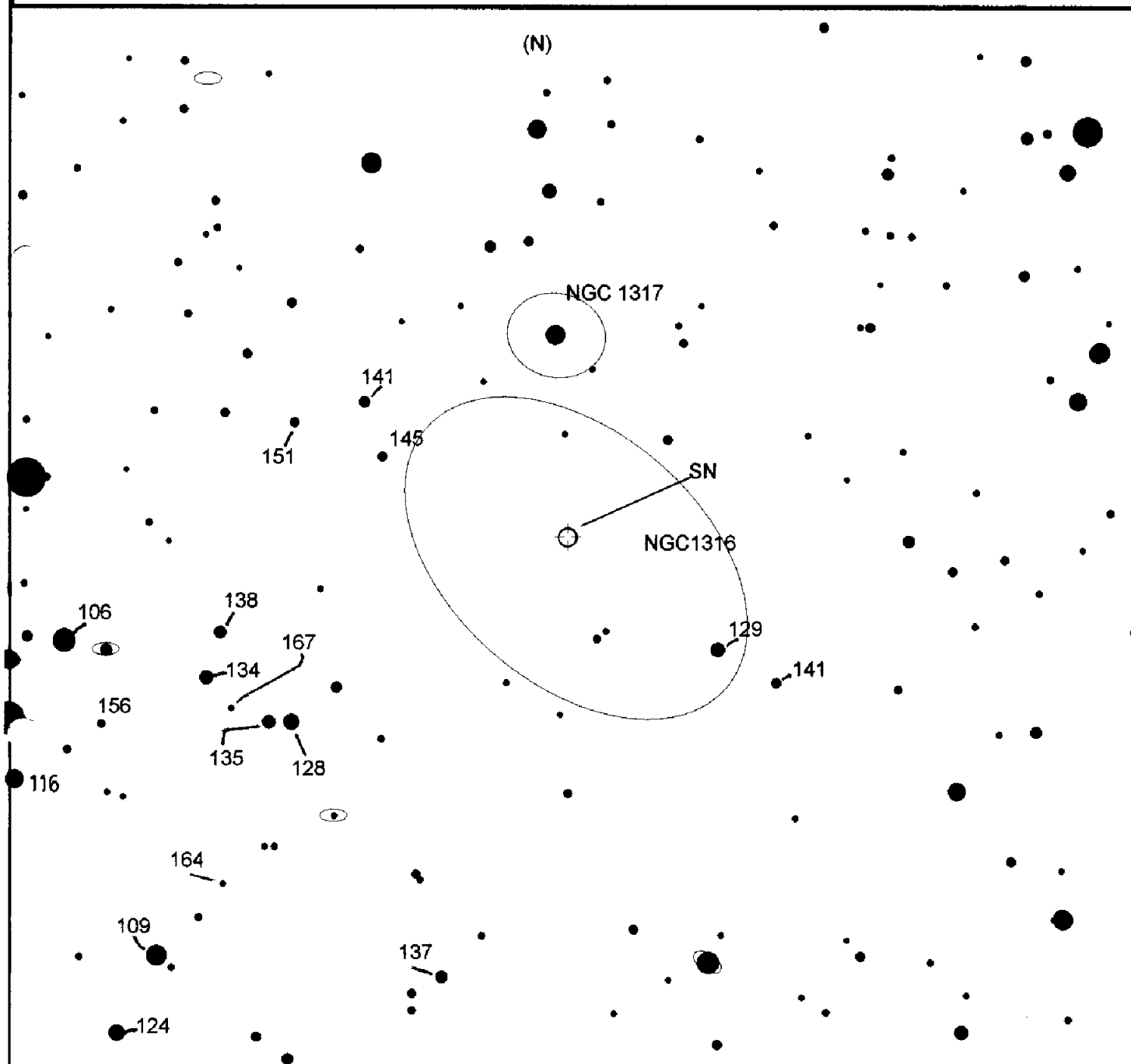
E151:38:33

S32:46:47

morel@ozemail.com.au

031837 SN 2006dd (NGC 1316)
(2000) 03h22m41.64s -37°12'13.2"
SN 14.0 - ?

Scale : 10" = 1mm



Plotted from GSC & USNO-A2.0

Equinox 2000

Mags: V from LONEOS cat. [<ftp://ftp.lowell.edu/pub/bas/starcats/cousins.stds>]

(C) 2006

MM 060621

Mati Morel

From: "Mati Morel" <morel@ozemail.com.au>
To: "W.Liller" <willer@compuserve.com>; "Bill Allen" <whallen@xtra.co.nz>; "Steve and Kathy Kerr" <srkak@iinet.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "Berto Monard" <LAGMonar@csir.co.za>; "A Plummer" <info@alplummer.com.au>; "Fraser Farrell" <fraserf@intemode.on.net>; "Bruce Sumner" <brucesumner@hotmail.com>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "bd_heathcote" <bd_heathcote@iprimus.com.au>; "A Plummer" <ashields@zipworld.com.au>; "Pearce, Andrew A." <ANDREW.PEARCE@woodside.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; <aaronp@mira.aavso.org>
Sent: Sunday, 26 November 2006 9:21 PM
Attach: SN2006_M61.gif
Subject: VSM 158 : (Electronic Circular) 2006 November 26

VSM 158 : (Electronic Circular) 2006 November 26

Object : Supernova in M61 = NGC 4303
 Position : (2000) 12:21:55.3 +04:29:17

A supernova has been discovered in the bright galaxy M61 = NGC 4303. According to CBET, it was discovered by K. Itagaki (Japan) using a 60cm telescope + CCD. The position of the SN is 5.5" east and 51" north of the galaxy's centre. Magnitudes reported are 14.9 and 15.0 by two observers. As this region has just emerged from solar conjunction it is not known if the SN is still on the rise, or whether the eruption occurred during conjunction, and is now fading. In case it brightens further, a sequence of V mags is given for stars near the galaxy.

Star mag	RA 2000	Dec 2000	V	Err	Source
122	12:22:30.24	+04:29:35.3	12.18	0.05	ASAS-3
126	12 21 17.70	+04 27 20.9	12.58	0.07	"
132	12 21 49.36	+04 36 34.8	13.22	0.14	"
135	12 22 19.39	+04 23 03.4	13.49	0.19	"
138	12 22 38.80	+04 30 38.7	13.75	0.18	"

Below mag 13.0V the ASAS-3 data becomes rather noisy, but they closely match USNO-A2.0 visual mags for the same stars, so one would expect them to be fairly reliable for visual observers.

Two other SNe have been found in the same galaxy in the last 45 years. One peaked at 13.0, the other at 16.0.

This discovery is in early days, so no official name is available for this SN.

Ref: CBET, via B. Skiff, amastro@yahoogroups.com

—Mati Morel

Thornton NSW 2322

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 158

Variable Star Section, RASNZ

86-A00001(e)

121605 SN 2006 (M61)
(2000) : 12h21m55.3s +04°29'17"
Type: SN? Mag.: 14.9 (CCD)

Scale : 10" = 1mm

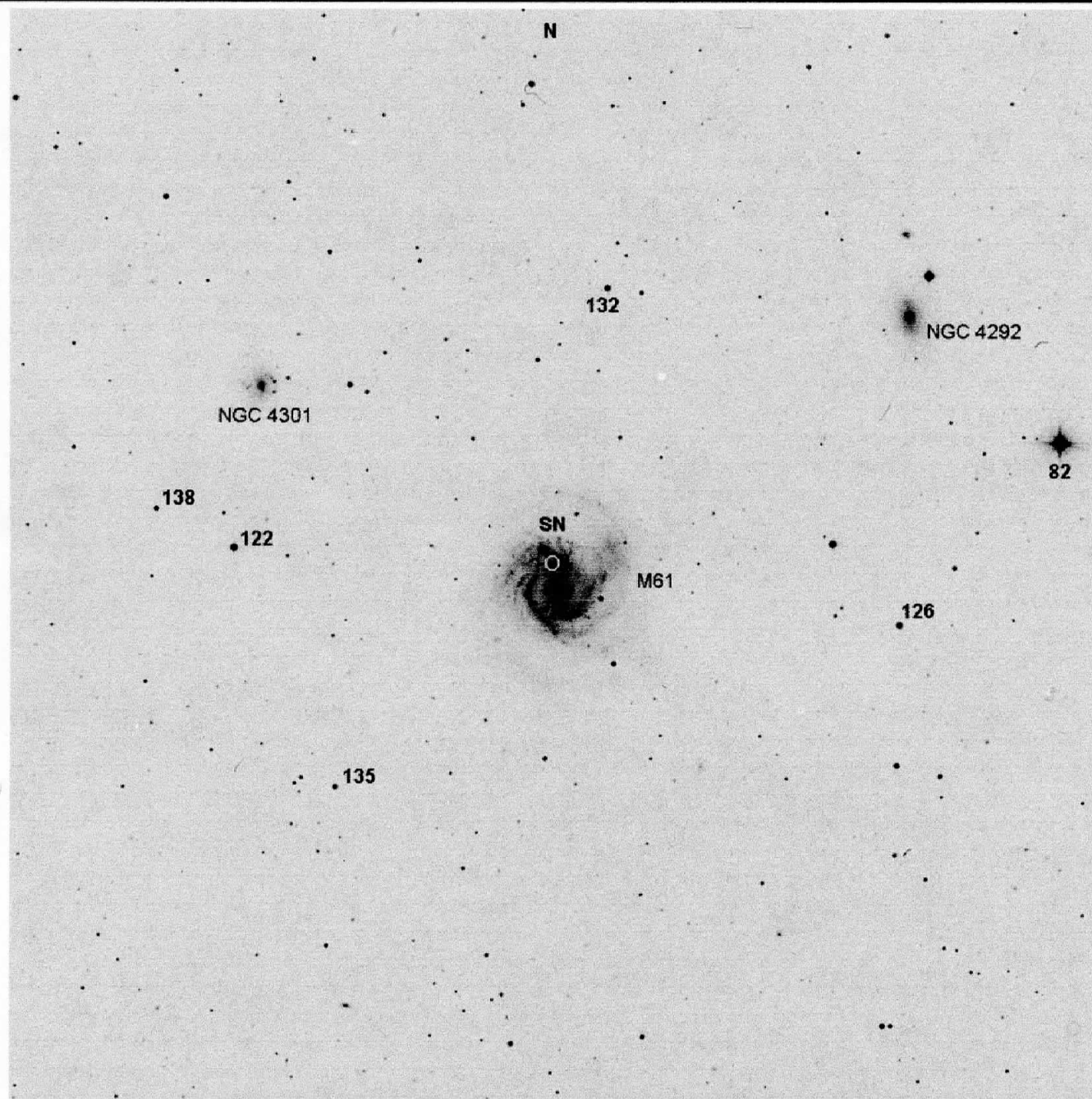


Chart adapted from DSS red plate.

Mags: V - Tycho-2 + ASAS-3

(C) 2006 MM

Mati Morel

From: "Mati Morel" <morel@ozemail.com.au>
To: "W. Liller" <willer@compuserve.com>; "Bill Allen" <whallen@xtra.co.nz>; "Rod Stubbings" <stubbo@sympac.com.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "Berto Monard" <LAGMonar@csir.co.za>; "Fraser Farrell" <fraserf@internode.on.net>; "Bruce Sumner" <brucesumner@hotmail.com>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "bd_heathcote" <bd_heathcote@iprimus.com.au>; "A Plummer" <ashields@zipworld.com.au>; "Pearce, Andrew A." <ANDREW.PEARCE@woodside.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Aaron Price" <aaronp@aavso.org>
Sent: Thursday, 25 January 2007 10:12 PM
Attach: Nova_Cen_07.gif
Subject: VSM 159 : Nova Cen 07

VSM 159 : 2007 January 25
 =====

Object : 1138-57 Nova Centauri 2007
 Position : (2000) 11h43.2m -58 03'

V1065 Cen

W. Liller, Vina del Mar, Chile, has discovered a possible nova in Centaurus. proximate mag. 8.2; it appears on two photos taken near Jan. 23.354 UT with Kodak TP film, an orange filter and an 85mm lens. Nothing brighter than mag. 11.5 was seen at this position on Jan. 15.36. Nothing seen at this position on the Real Sky Digitized Southern Sky Survey.

Alexandre Amorim, Florianopolis, Brazil, has observed the nova at mag. 8.7 on 2007 Jan. 25.0313 UT, using 20x80 binoculars, and Tycho-2 sequence.

The Chart

=====

A quick chart is attached, but bear in mind the nova's position is approximate, pending a more precise one.

Mags : V, Hipparcos/Tycho-2 from 77 to 101.

Mags 107 and 110 are from ASAS-3.

Scale : 20" = 1mm, which means the chart is 1 degree high.

Chart number is 19-A00003(d).

Centaurus = constellation #19

"A" refers to "anon" (unnamed) variables, chart 00003. "d" scale.

Regards,

Mati Morel

Thornton NSW 2322

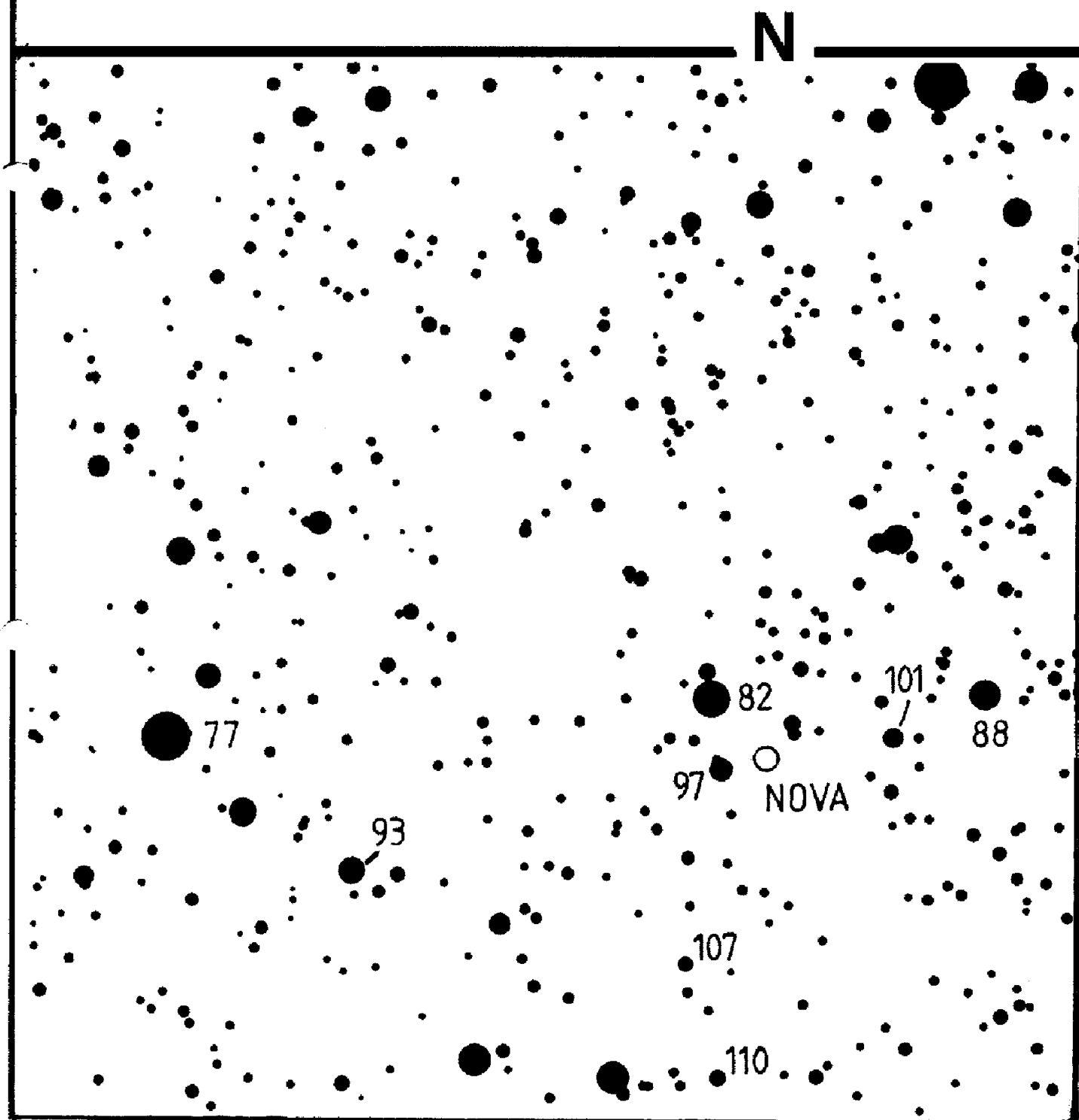
E151:38:33

S32:46:47

morel@ozemail.com.au

Variable Star Section, RASNZ**113857 Nova Centauri 2007**

(2000) 11h43.2m -58°03'
Nova 8.2 - ? Spect. ?



Mati Morel

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Sent: Tuesday, 6 February 2007 6:54 PM
Attach: V1065Cen_e.gif
Subject: VSM 160 - V1065 Cen "e" chart

VSM 160 : 2007 February 6
 =====

Object : 1138-57 V1065 Cen = Nova Cen 2007
 Position (2000) : 11h43m10.33s -58°04'04.3"
 Type : Nova
 Range : 7.6 - ?

Chart : 19-V01065(e)
 =====

A deeper chart is attached, scale 10" = 1mm. The sequence is V, as listed in my email of 29 January.

The limiting magnitude of this chart is about 14.5.

The chart shows the corrected position of the nova.

Regards,

--Mati Morel

Thornton NSW 2322

E151:38:33

S32:46:47

morel@ozemail.com.au

Variable Star Section, RASNZ

19-V01065(e)

1138-57 V1065 Cen = Nova Cen 2007

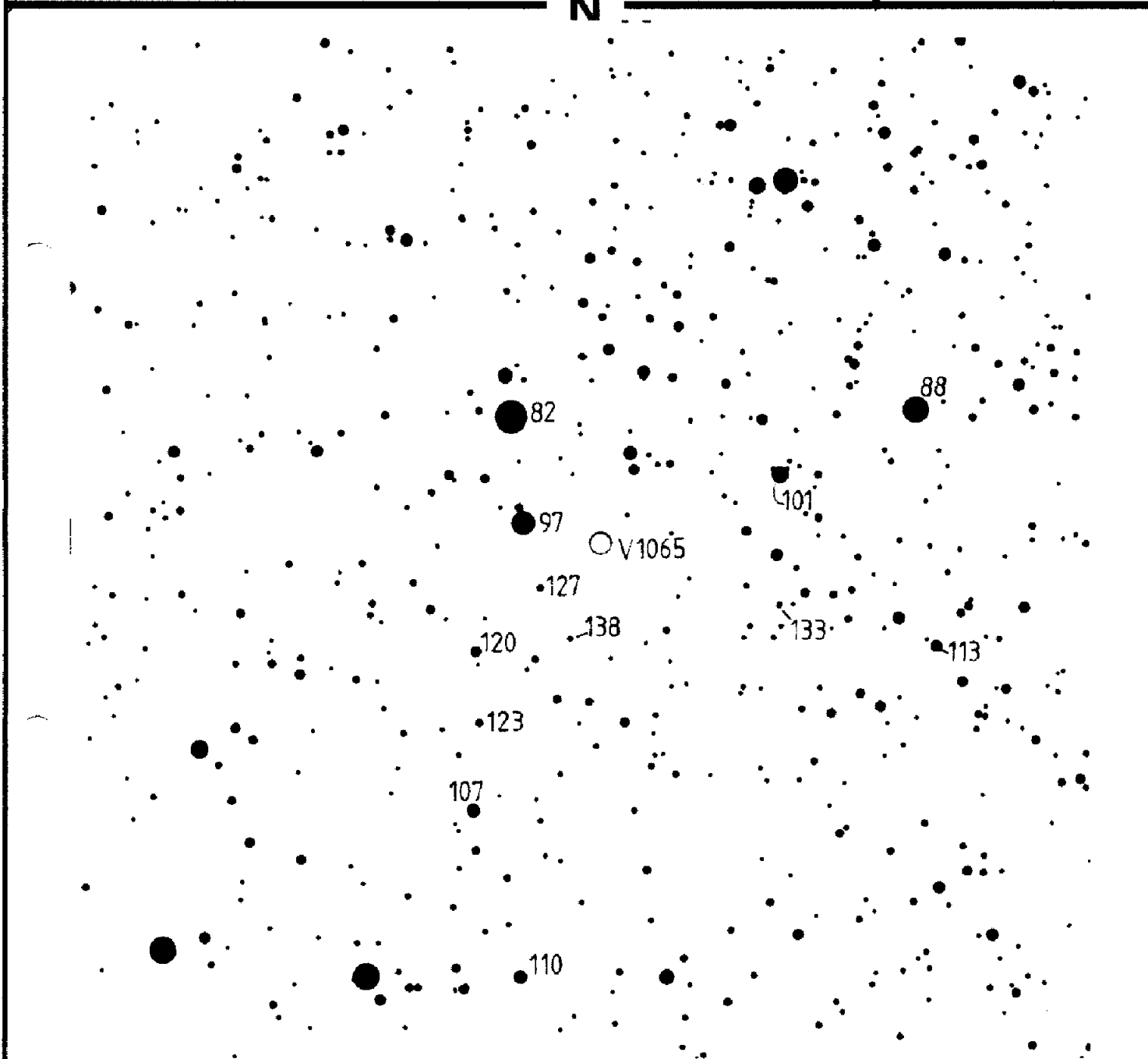
(J2000) 11h43m10.33s -58°04'04.3"

Nova. 7.6 - ? Spect. ?

See also VSM 159

Scale : 10" = 1mm

N



Plotted from GSC + USNO-A2.0

Equinox : J2000

Mags: V - H/T + ASAS-3

(C) 2007

MM 2007.02.06

Mati Morel

From: "Mati Morel" <morel@ozemail.com.au>
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Sent: Wednesday, 7 February 2007 5:53 PM
Attach: V1280Sco_e.gif
Subject: VSM 161 : 1651-32 V1280 = Nova Sco 2007

VSM 161 : 2007 February 7
 =====

Object : 1651-32 Nova Scorpii 2007 = V1280 Sco

Posn (2000) : 16h57m41.1s -32o20'36"

Type : Nova

g. : 9.4 (discovery)
 8.9 (K. Kadota)

A new nova has been discovered in Scorpius, already now given the designation V1280 Scorpii by the GCVS team. Independently found by Yuji Nakamura (Kameyama, Mie, Japan) at mag. 9.9 unfiltered CCD, on Feb. 4.8624 UT; also Yukio Sakurai (Mito, Ibaraki-ken) on Feb 4.896 at 9.4 on two 10-s CCD exposures. Full details in IAUC 8803.

At least 4 position determinations have been reported. I have adopted a mean value, as above, but rounded down.

Chart : 73-V01280(e)
 =====

Scale : 10" = 1mm

Mags: V, from Tycho-2 >10.0,
 from ASAS-3 <10.0

— The mags at the faint end (<12.0) are a little noisy, not unexpected in a crowded field such as this.

—Mati Morel

Thornton NSW 2322

E151:38:33

S32:46:47

morel@ozemail.com.au

Susp. var. ^{7.12} GSC 7364.1261 1 RV Tax type?

Mati Morel

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Sent: Saturday, 17 February 2007 8:26 PM
Attach: V1280Sco_b.gif
Subject: VSM 162 : V1280 Sco "b" chart

VSM 162 : 2007 February 17.

=====

Object : 1651-32 V1280 Sco = Nova Sco 2007

Posn. (2000) : 16h57m41.1s -32o20'36"

Type : Nova

Range : 3.8 - ?

V1280 Sco has surprised a few people by brightening up beyond expectations, to at least 3.8v. It lies nearly 2 deg. south of RR Sco, a bright Mira variable, and observers should consult RASNZ chart no. 5 for additional comparison stars. When the nova goes into decline the attached "b" scale chart should be useful. Chart 73-V01280(b).

=====

Scale : 60" = 1mm

Souce : Guide 8 plot

Mags. V from Hipparcos/Tycho-2.

HD 152636, lying just west of RV Sco and forming a triangle with "55", would have been handy to fill a gap between 55 and 67, but for its redness (B-V 1.7) and apparent slight variability, 6.28 - 6.37V. It has been omitted for these reasons.

Regards,

--Mati Morel

Thermon NSW 2322

E151:38:33

S32:46:47

morel@ozemail.com.au

Variable Star Section, RASNZ

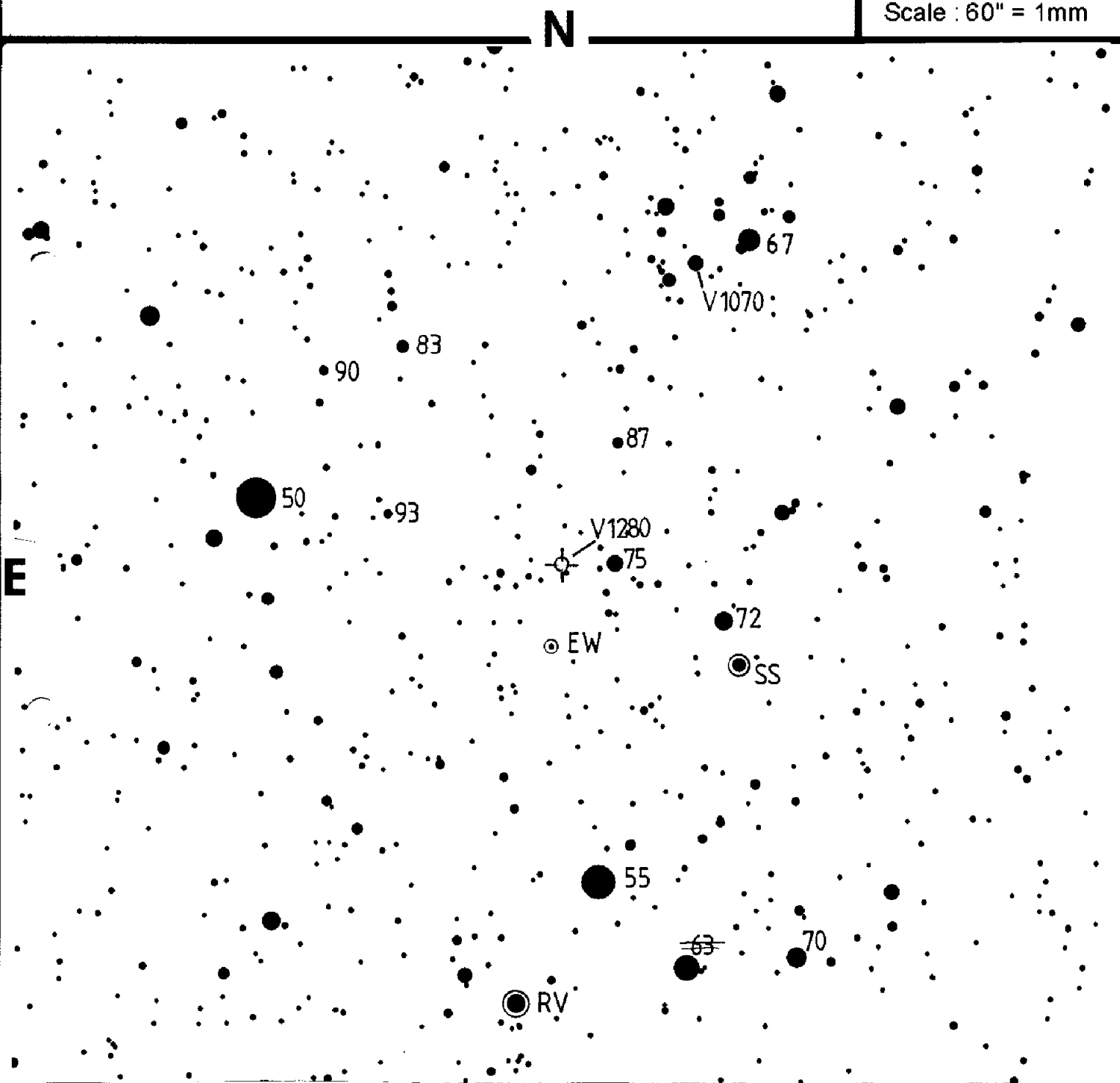
73-V01280(b)

1651-32 V1280 Scorpii

(2000) 16h57m41.1s -32°20'36"

Nova. 3.8 - ? Spect. ?

Scale : 60" = 1mm



Guide 8 plot : GSC-ACT

Equinox : 2000

Mags: V H/T ;

(C) 2007

MM 2007.02.17

Mati Morel

From: "Mati Morel" <morel@ozemail.com.au>
To: "Aaron Price" <aaronp@aavso.org>; "W. Liller" <willer@compuserve.com>; "Bill Allen" <whallen@xtra.co.nz>;
 "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Pauline Loader"
 <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsi.net.au>; <pfwilliams@onaustralia.com.au>;
 <LAGMonar@csir.co.za>; "Fraser Farrell" <fraserf@internode.on.net>; "Bruce Sumner"
 <brucesumner@hotmail.com>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "A Plummer"
 <ashields@zipworld.com.au>; "Andrew Pearce" <arpearce@ozemail.com.au>; "Pearce, Andrew A."
 <ANDREW.PEARCE@woodside.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones"
 <afjones@ts.co.nz>
Sent: Friday, 23 February 2007 9:38 PM
Attach: V1281SCO_d.gif
Subject: VSM 163 - V1281 Sco = Nv Sco 07 #2

VSM 163 : 2007 February 23
 =====

Object : 1650-35 V1281 Sco = Nova Sco 2007 No. 2

Type : Nova

Posn (2000) : 16:56:59.35 -35:21:50.2

Range : 9.3 - ?

H. Yamaoka, Kyushu University, reports the discovery of a variable star ($m=9.3$) by Yuji Nakamura (Kameyama, Mie, Japan) on two unfiltered CCD images taken with a 135mm lens on Feb. 19.8593 UT (not present to mag 12.0 on Feb. 14.8575). The position was stated to be within 30" of GSC 7367-0712 ($V=13.0$). K. Itagaki (Yamagata, Japan) obtained an unfiltered CCD image with 0.60m reflector on Feb. 20.85, concluding that a new star of mag 8.8 is located at 16h56m59.35s -35o21'50.2". Nothing is visible at this position on the Digitized Sky Survey.

The object was independently discovered by Hideo Nishimura (Miyawaki, Japan) at mag 9.2 on two T-Max 400 films taken on Feb. 20.8365 and 20.8370. Ref. IAUC 8810

The object has been confirmed as a classical nova, with considerable inter-stellar reddening.

The name V1281 Sco has been conferred (N.N. Samus, GCVS team).

Ref. CBET 855

Chart 73-V01281(d).

== =====

The magnitudes are all V, taken from charts published by Sebastian Otero. Some of his stars have been omitted, if they appear to be rather red, i.e.

B-V >1.0

--Mati Morel

Thornton NSW 2322

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 163

Variable Star Section, RASNZ

73-V01281(d)

165035 V1281 Sco = Nv Sco 07 #2

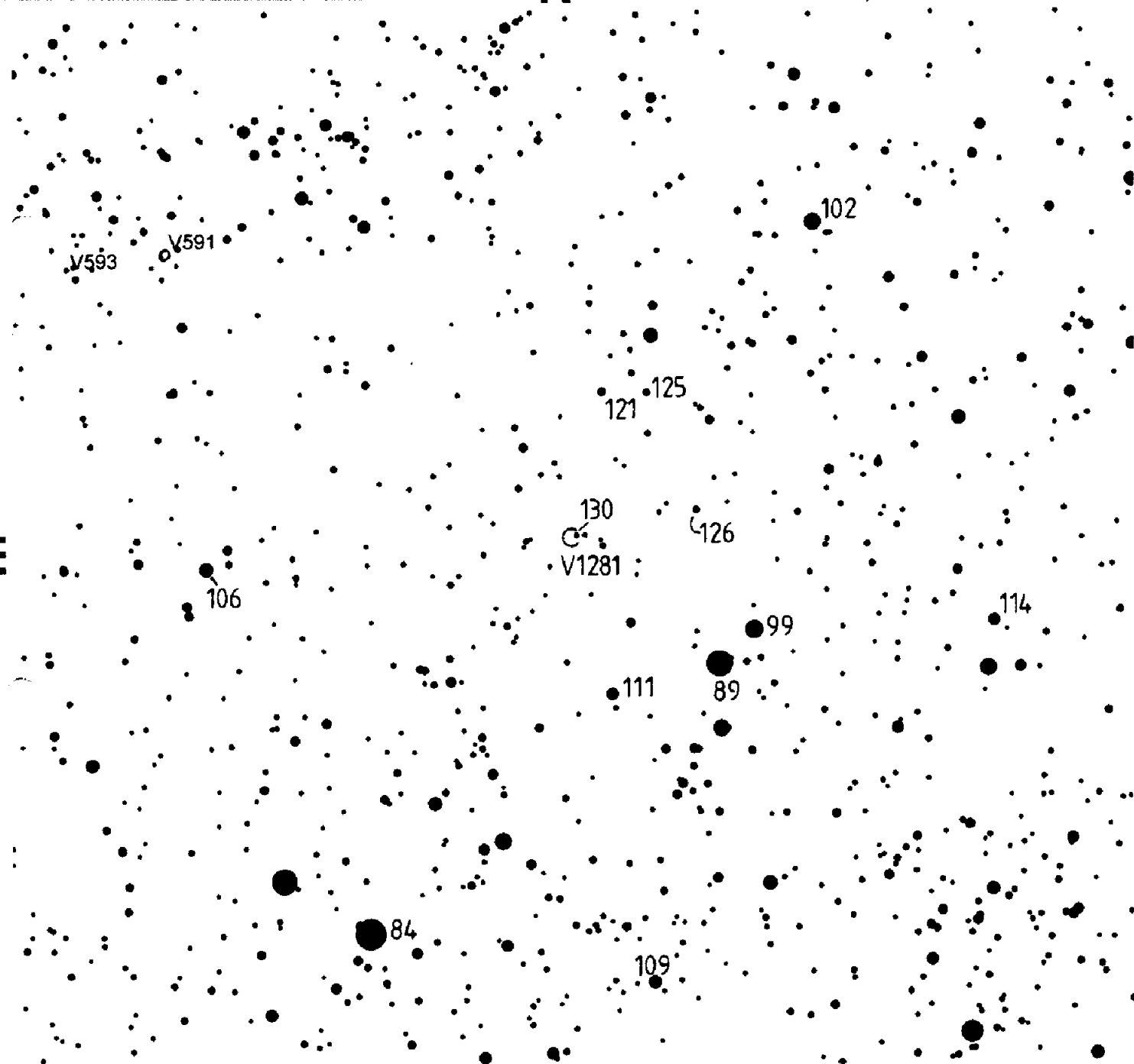
(2000) 16:56:59.35 -35:21:50.2

N. 9.3 - ? Spect. ?

Scale : 20" = 1mm

N

E



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V- Tycho-2 + ASAS-3

(C) 2007

V1281_SCO

MM 2007.02.23

VSM 164 : 2007 March 28

Object : 1736-23 Nova Oph 2007 = V2615 Oph

Type : Nova

Posn (2000) : 17h42m44.00s -23 40'35.0"

Range : 9.8 - ?

Discoverer : Hideo Nishimura (Miyawaki, Kakegawa, Shizuoka-ken, Japan)

Obs. near discovery date:

10.2 Mar. 19.812 UT Nishimura, Kodak T-Max 400 films (x2)

<12 Mar 17.82 "

9.8 Mar 20.756 K. Kadota, unfiltered CCD

9.7 Mar 20.806 K. Itagaki

Refs:

CBET 900; CBET 906; IAUC 8824 2007 03 21

Chart:

Magnitudes shown are according to the V sequence compiled by Mike Simonsen, AAVSO.

My apologies for the delay in getting this VSM out. My old PC has lost its internet capability, about 10 days ago. I have purchase a brand new PC and am now back on line.

Regards,

Mati

Variable Star Section, RASNZ

59-V02615(d)

173623 V2615 Oph = Nova Oph 2007

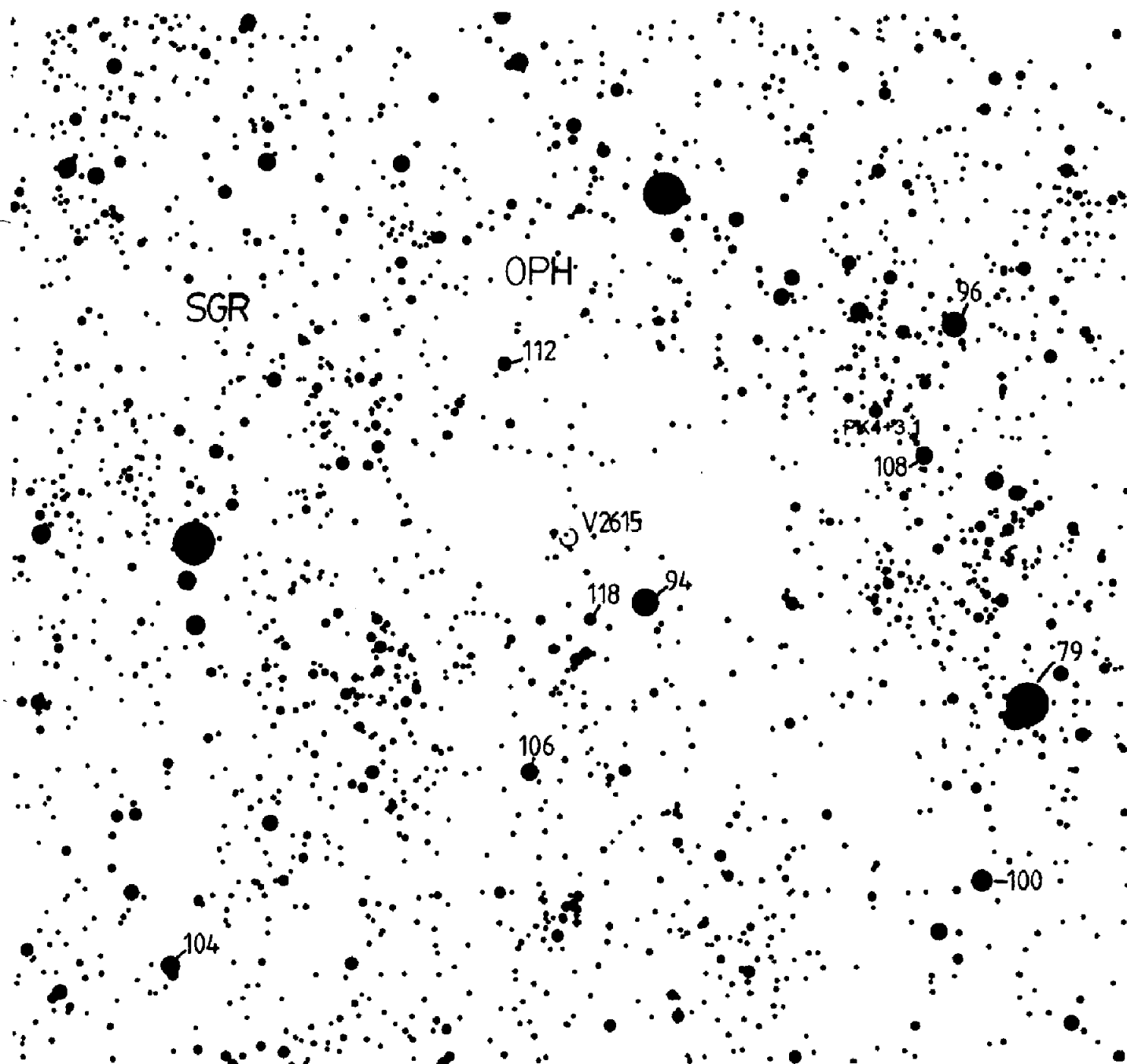
(2000) 17:42:44.00 -23:40:35.1

N. 9.8 - ? Spect. ?

Scale : 20" = 1mm

N

E



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Hipparcos/Tycho-2 + ASAS3, per AAVSO

(C) 2007

V2615_Oph

MM 2007 03 28

VSM 165: 2007 April 21

Object : 1804-18 V5558 Sgr = Nova Sgr 2007

Type : (Possible) nova

Posn (2000): 18h10m18.47s -18 46'52.0"

Discovery mag: 10.4 (unfiltered CCD)

Discoverer : ?

This object was detected in outburst on 2007 04 14.77671 UT, and became listed on the CBAT webpage for unconfirmed objects. Examination of the spectrum revealed one that is dominated by relatively narrow emission lines of hydrogen and He I. Also resembled P Cyg spectrum. Clearly an emission line object in outburst. [Vsnet-alert 9307,9309,9314].

It is presumed to be a nova. The name V5558 Sgr has been conferred (IAUC 8832).

Chart.

DSS red plate. Scale 5" = 1mm

The nova is very close to star GSC 6272.0182 (V = 12.30). The published position places the nova just SE of the GSC star, $d = 6''$. Nothing visible here on DSS red plate, but there is a very faint star even closer to the GSC star, at about 18:10:18.2 -18:46:50. It is just visible inside the open circle marking the position of the nova. Confirmation of the nova's coordinates is desirable.

Regards,

Mati Morel

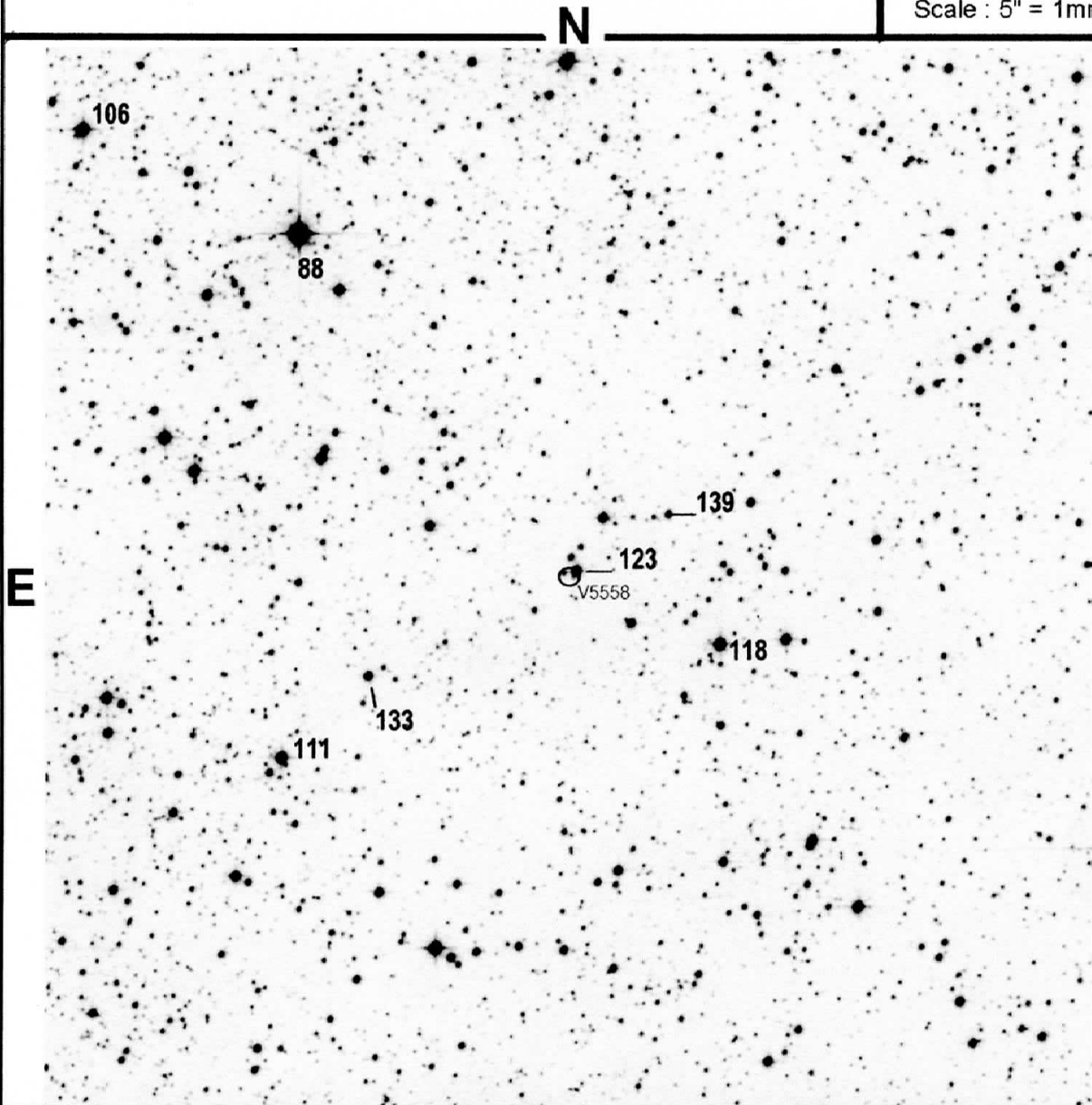
VSM 165

Variable Star Section, RASNZ

72-V05558(f)

180418 V5558 Sagittarii(2000) 18:10:18.47 -18:46:52.0
N. 10.4 - ? Spect. Pec

Scale : 5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2007

MM 2007 04 21

mailto:morel@ozemail.com.au

----- Original Message -----

From: Mati

To: W.Liller ; Steve and Kathy Kerr ; Stephen Hovell ; Roy Axelsen ; Rod Stubbings ; pfwilliams@onaustralia.com.au ; Peter Wil
Mati Morel ; Giorgio DiScala ; Fraser Farrell ; David Nicholls ; Bruce Sumner ; Bill Allen ; Berto Monard ; Bernard Heathcote ; bd

Sent: Sunday, June 17, 2007 5:54 PM

Subject: VSM 166 : possible nova in Norma

VSM 166 : 2007 June 17

=====

Object: 1625-44 Normae

Type : Possible nova

Posn (2000) : 16h32.2m -45°08'

Discovery mag: 9.4

A possible nova has been found in Norma by Bill Liller. Estimated magnitudes are :

9.4 June 15.086 UT (pair of photos)

9.1 June 7.193 (clearly seen on pair of photos).

Nothing seen brighter than 11.0 on May 20.1

At this early stage confirmation is urgently required. A preliminary chart is attached, to facilitate observations. All mags ≤ 11.0 the object's position is desirable. A detailed sequence has been prepared, but will be sent to AAVSO upon confirmation.

Mati Morel

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 166

Variable Star Section, RASNZ

57-A00002(d)

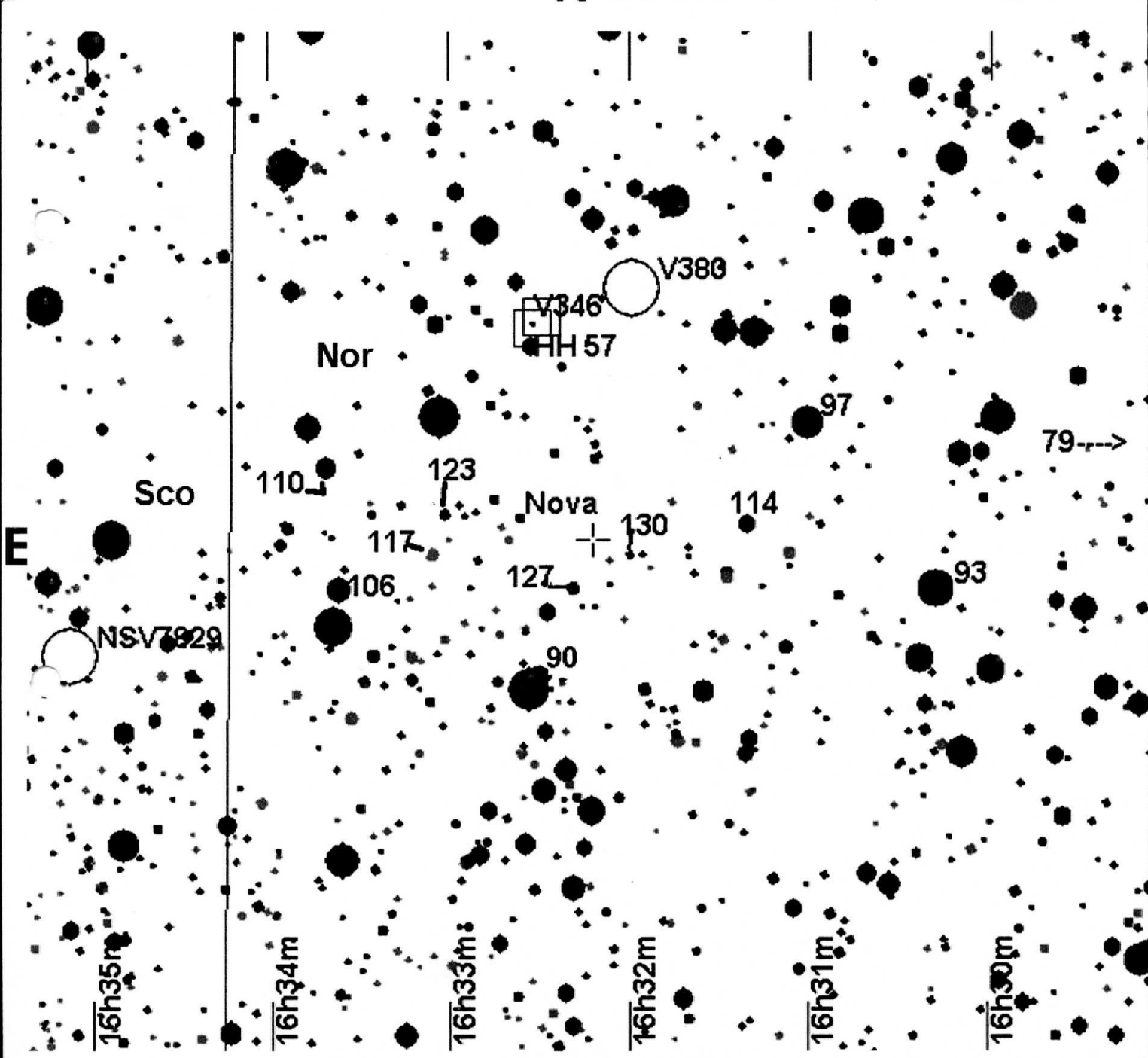
162544 Nova Normae 2007

(2000) 16:32:12 -45:08:00

N. 9.4 - ? Spect. ?

Scale : 20" = 1mm

N



Guide 8 plot : GSC-ACT

Equinox : 2000

Mags: GCPD+Tycho-2+ASAS-3

(C) 2007

Nova_Nor_07

MM 2007.06.17

Mati

From: "Mati" <morel@ozemail.com.au>
To: "W. Liller" <willer@compuserve.com>; "Steve and Kathy Kerr" <srkak@iinet.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "Peter Nelson" <pnelson@dcsi.net.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Mati Morel" <morel@ozemail.com.au>; "Giorgio DiScala" <lgdiscala@aapt.net.au>; "Fraser Farrell" <fraserf@internode.on.net>; "David Nicholls" <dcn@dcnicholls.com>; "Bruce Sumner" <brucesumner@hotmail.com>; "Bill Allen" <whallen@xtra.co.nz>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "bd_heathcote" <bd_heathcote@iprimus.com.au>; "Albert F Jones" <afjones@ts.co.nz>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "A Plummer" <ashields@zipworld.com.au>
Sent: Sunday, 15 July 2007 9:23 PM
Attach: V919SGR_F.gif
Subject: VSM 167 : V919 Sagittarii in outburst

VSM 167 : 2007 July 15
 =====

Object : 1857-17 V919 Sagittarii
 Type : Z And variable
 Posn (2000): 19:03:45.12 -16:59:55.2

According to CBET 999, V919Sgr is currently undergoing a strong outburst. Measured mags:

B=11.873, B-V +0.681 July 11.41 UT

B=11.866 B-V =0.677 July 12.40 UT

Corresponding mags in quiescence were B=14.15, B-V 1.22. Spectroscopic behaviour is reminiscent of outburst in 1991.

In 2006 V919 Sgr was still in quiescence but by May 2007 it was already rising in brightness, at B=13.40. Since then it has increased linearly to its current brightness.

Chart & Sequence.

=====

A sequence has been published by Henden and Munari, 2000 (Astron. Astrophys. Suppl. 143, 343). The V mags. are shown on the accompanying chart. "117" is from ASAS-3, and fills a gap in the Henden/Munari sequence.

V919 Sgr is plotted on chart 1084 (Series 23, Charts for Southern Variables 1992). Many of the Henden comp. stars are reddish, the reddest being 108, with B-V +1.69.

Regd

Mati i. al

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 167

Variable Star Section, RASNZ

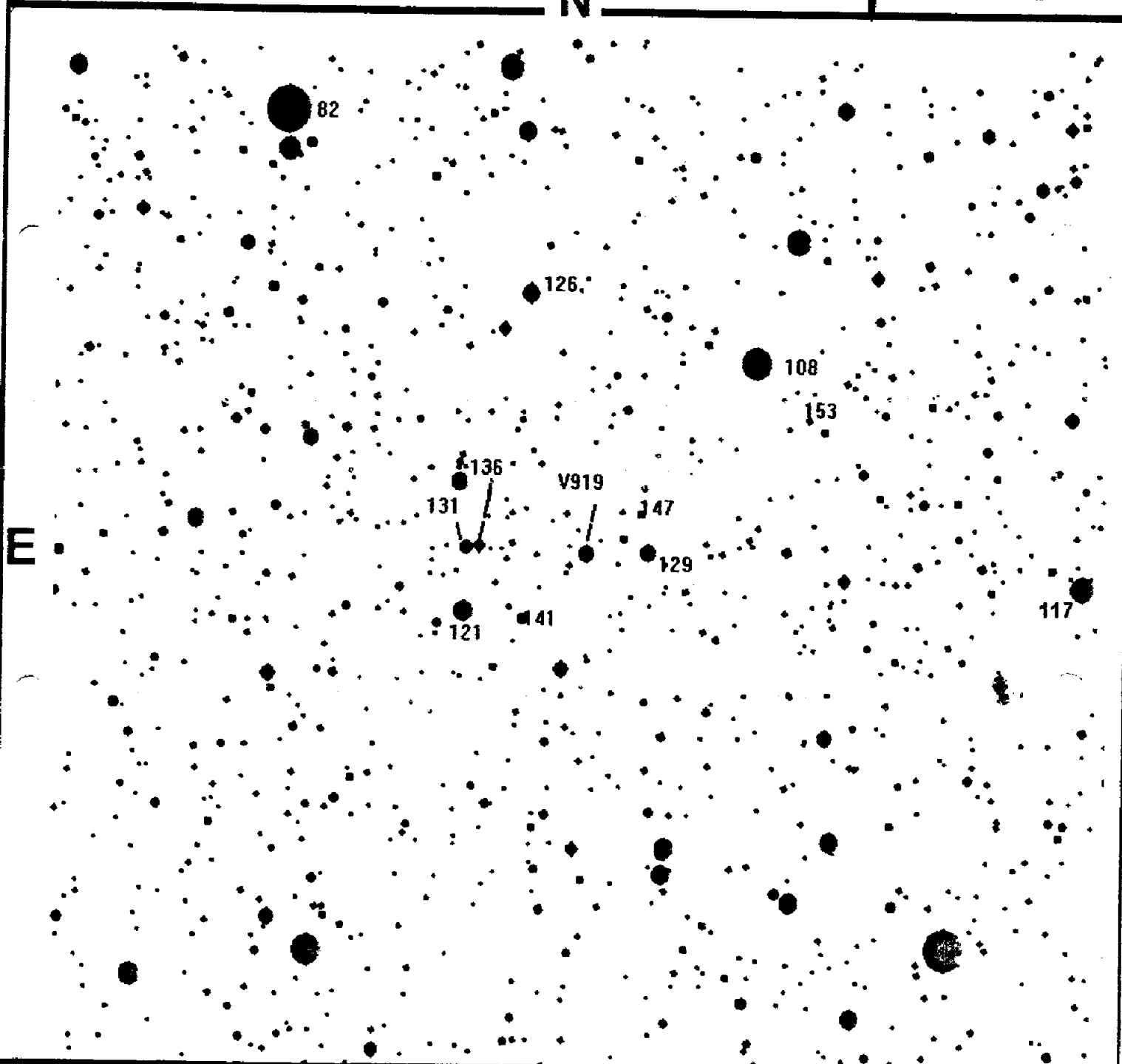
72-V00919(f)

185717 V919 Sagittarii
(2000) 19:03:45.12 -16:59:55.2
Z And. 12.0 - 14.2p Per. ? Spect. Mep

Scale : 5" = 1mm

N

E



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V- Henden A., Munari, U. 2000, Astron. Astrophys. Suppl. 143,343

(c) 2007

MM 2007.07 10

Mati

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Sent: Thursday, 15 November 2007 9:17 PM
Attach: Nova_Pup07_b.png
Subject: Nova Puppis 2007

VSM No. 168. 2007 November 15.

Object: 081233 Nova Puppis 2007**Posn. (2000):** 08:16:18.0 -34:15:25**Discoverer:** Jose Serra Pereira, Carnaxide, Portugal**Mags:** 7.0v Nov. 14.23 UT Pereira

6.4v Nov. 14.5 UT J. Young, Table Mountain, USA

Other charts:

The field appears on chart RASNZ chart 274 (TU Pup). The VSM chart is to scale 60"/mm. ie 3° high. More detailed chart will follow when the nova fades.

Regards,

Mati Morel

E151:38:33

S32:44:47

morel@ozemail.com.au

15/11/2007

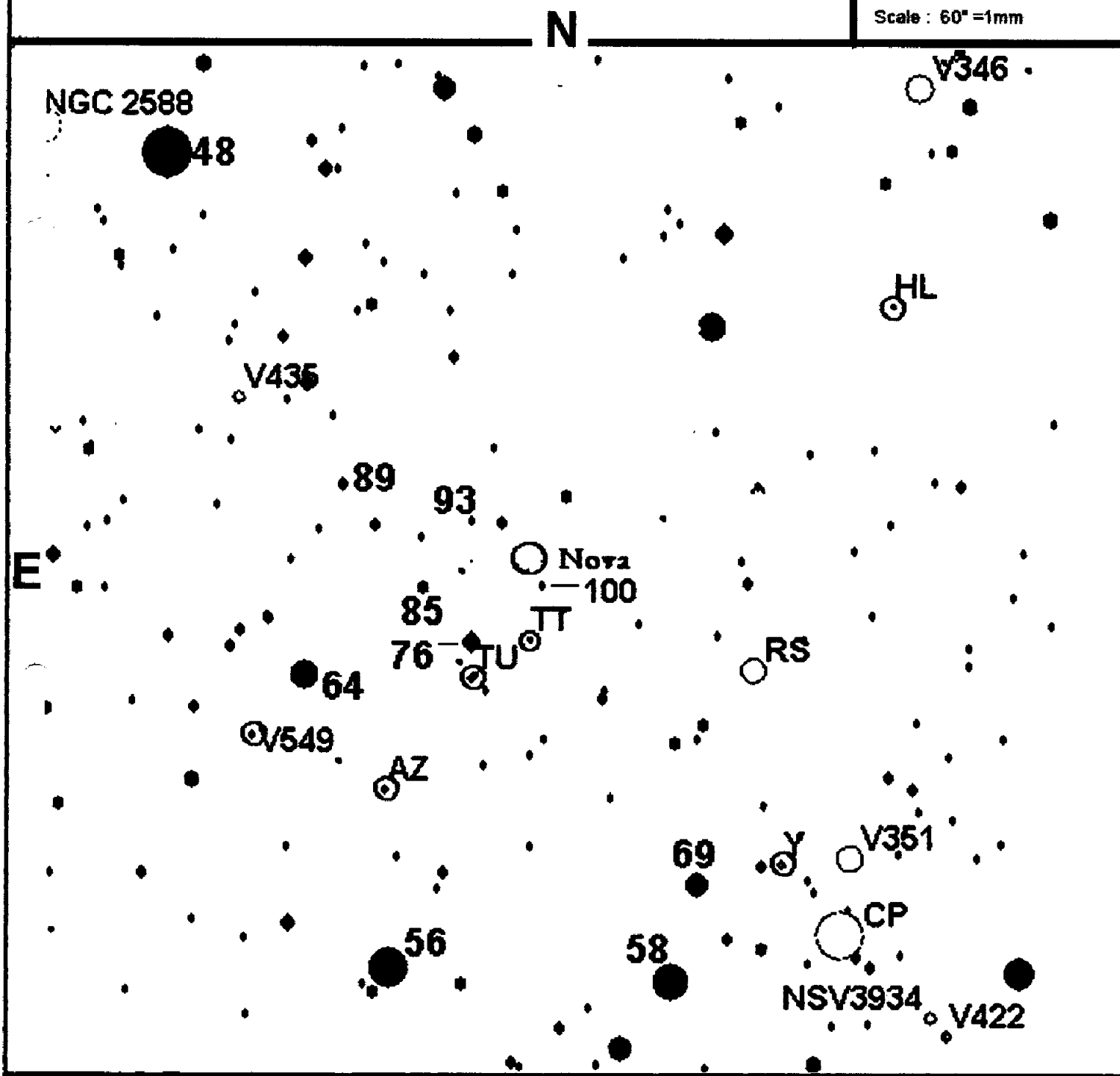
VSM 168

Variable Star Section, RASNZ

68-A00005(b)

081233 Nova Pupplis 2007 = V597 Pup
 (2000) 08:16:18.0 -34:15:25
 Nova. 6.4v - 20? Spect. ?

Scale : 60" = 1mm



Mati

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Sent: Monday, 19 November 2007 9:50 PM
Attach: Nv_Pup07_no2_e.png
Subject: 0702-38 Nova Pup? 2007 No.2

VSM 169. 2007 November 19.

Object : 0702-38 Nova Pup 2007 No. 2
 = XMMSL1 J070542.7-381442

Posn. (2000): 07:05:42.7 -38:14:42

Characterization: ESA's XMM-newton, in its Slew Survey mode, has detected a very bright transient, in the soft X-ray spectrum. ref. Astronomical Telegram 1282 (16 Nov).

Visually, it has been observed at about 10.2v. It may be a bright nova, missed and well past maximum light. The quick chart has been produced to assist visual observers.

Hopefully more information will come to light, and clarify the nature of this object.

YOUR observations will be of great help!

Mati Morel

E151:38:33

S32:46:47

morel@ozemail.com.au

20/11/2007

VSM 169

Variable Star Section, RASNZ

68-A00006(e)

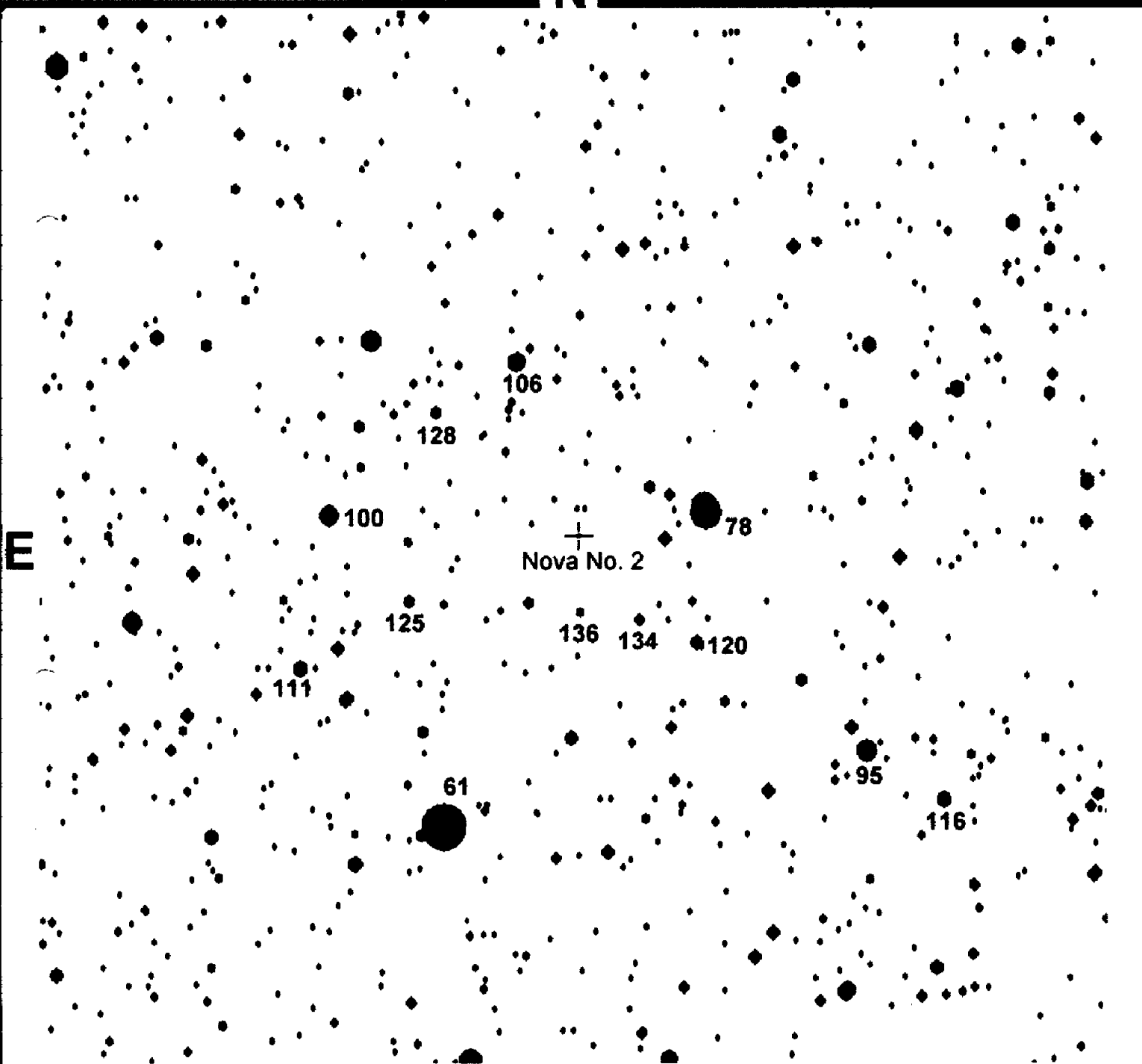
070238 Nova Pup 2007 No. 2
(2000) 07:05:42.5 -38:14:42
N?. >10? - 15.4v? Spect. (X-Ray)

V598 Pup

Scale : 10" = 1mm

N

E



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2007

MM 2007.11.19

Mati

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Sent: Monday, 3 December 2007 8:40 PM
Attach: V597_Pup_f.gif
Subject: VSM 170 : "f" chart for V597 Pup.

VSM 170 . 2007 December 3.

Object : 0812-33 V597 Pup = Nova Pup 2007 no. 1
 Type: Nova
 Posn. (J2000): 08:16:18.0 -34:15:25

V Sequence for V597 Pup.

The following sequence has been submitted to the AAVSO VSP utility.
 Comp. RA2000 DEC 2000 V (err) B-V (err) Name

86	08 16 39.56	-34 08 40.8	8.57	0.02	0.40	0.02	HD 69670	Tycho-2
93	08 17 04.51	-34 08 26.6	9.34	0.02	0.23	0.02	CD-33 4781	Tycho-2
100	08 16 05.06	-34 19 51.6	9.95	0.03	0.44	0.04	CD-33 4757	Tycho-2
105	08 15 58.19	-34 18 30.8	10.51	0.02	0.04	0.02	CD-33 4755	ASAS-3
117	16 34.55	-34 23 26.4	11.67	0.04				ASAS-3
120	16 53.08	-34 18 07.3	11.97	0.05			CD-33 4775	ASAS-3
122	08 16 25.29	-34 15 45.2	12.24	0.06				ASAS-3
128	08 16 20.06	-34 11 13.7	12.83	0.08				ASAS-3
132	08 16 33.41	-34 15 30.7	13.15	0.11				ASAS-3
137	08 16 14.15	-34 13 38.8	13.70	0.18				ASAS-3

V597 Pup "f" chart.

Please note that 93 is just off the chart, following 86 and slightly north. The size of the chart is 15' x 15', and is adapted by permission from the Digitized Sky Survey, ESO red image.

Regards,

Mati Morel

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 170

Variable Star Section, RASNZ

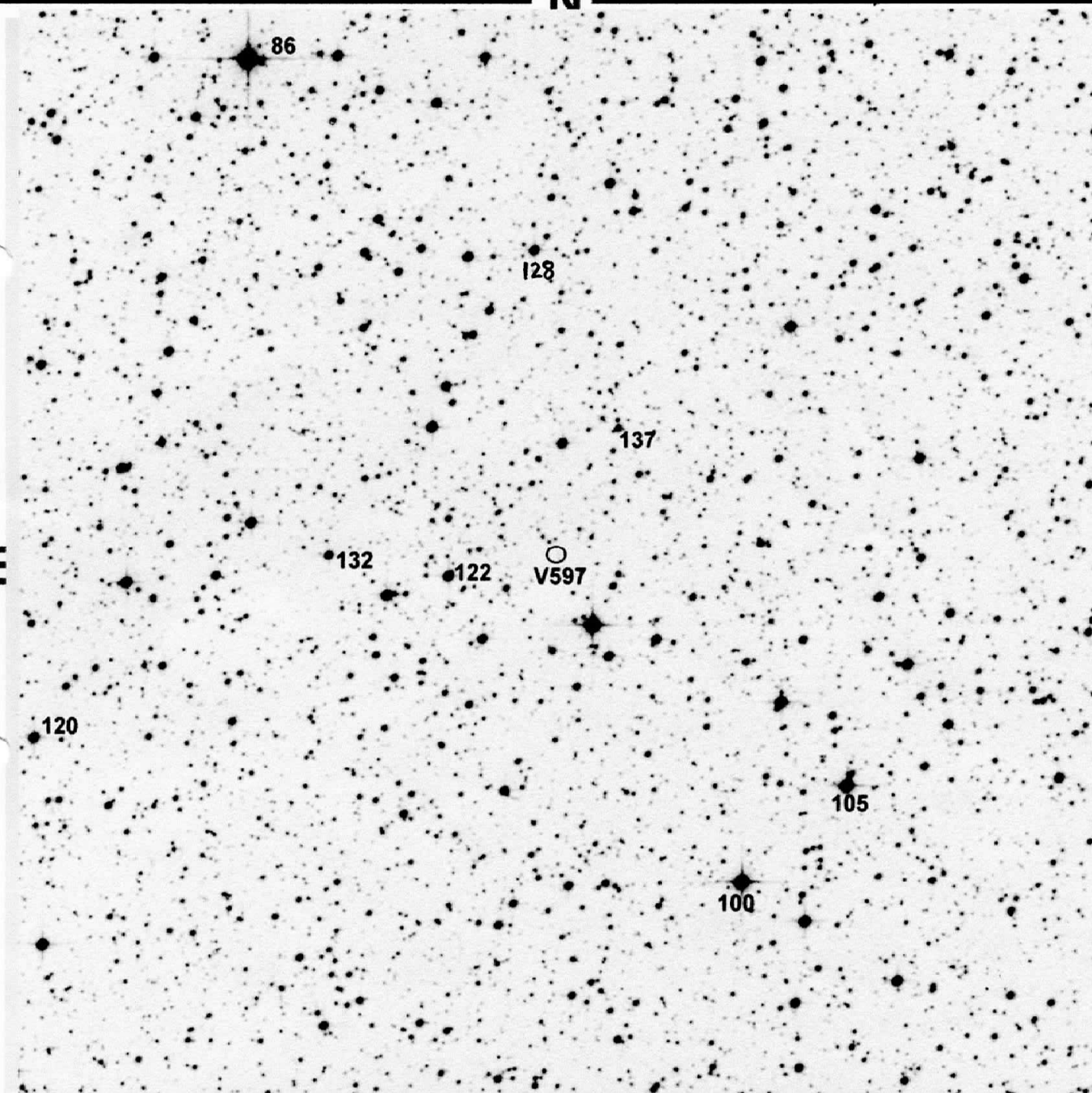
68-V00597(f)

081233 V597 Puppis
(2000) 08:16:18.0 -34:15:25
N. 6.4v - ? Spect. Pec

Scale : 5 " = 1mm

N

E



DSS red plate.

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3;

(C) 2007

MM 2007.12.03

Mati

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Sent: Thursday, 20 December 2007 9:10 PM
Attach: SN2007_NGC4039.png
Subject: SN near NGC 4038/39

VSM 171. 2007 December 20.

Object : Optical transient (1156-18 SN near NGC 4038/39).

Posn: (2000) 12:01:52.80 - 18:58:21.7

Discovery mag. 13v

A message from the Catalina Sky Survey (CSS) reports the detection of a bright (V ~13) optical transient with the Mt Bigelow 0.8m Catalina Schmidt Telescope on 18 Dec 2007 UT.

The object is about 5' south of the main interacting galaxies, but is superimposed on the southern "tail" which swings out from NGC 4039. This tail consists, presumably, of stars and gas drawn out from NGC 4039 and is only visible on deep images. The object is a likely supernova.

Ernesto Guido and Giovanni Sostero (Remanzacco Observatory, Italy) have obtained photometry, remotely from Mayhill NM, with the following results.

V = 12.85 Dec. 19.42 UT

B = 13.20

R = 12.80 (errors +/- 0.05 in each color)

Sequence: V from Tycho-2, ASAS-3 (11.5-13.2V); 142 is taken from a compilation of faint stars near galaxies, by Brian Skiff. V = 14.19, B-V 0.49.

Ref: Ast. Tel #1337. 19 Dec. 2007.

Regards,

Mati Morel

E151:38:33

S32:46:47

morel@ozemail.com.au

VSM 171

Variable Star Section, RASNZ

28-A00007(e)

115618 SN 2007 (NGC 4039)

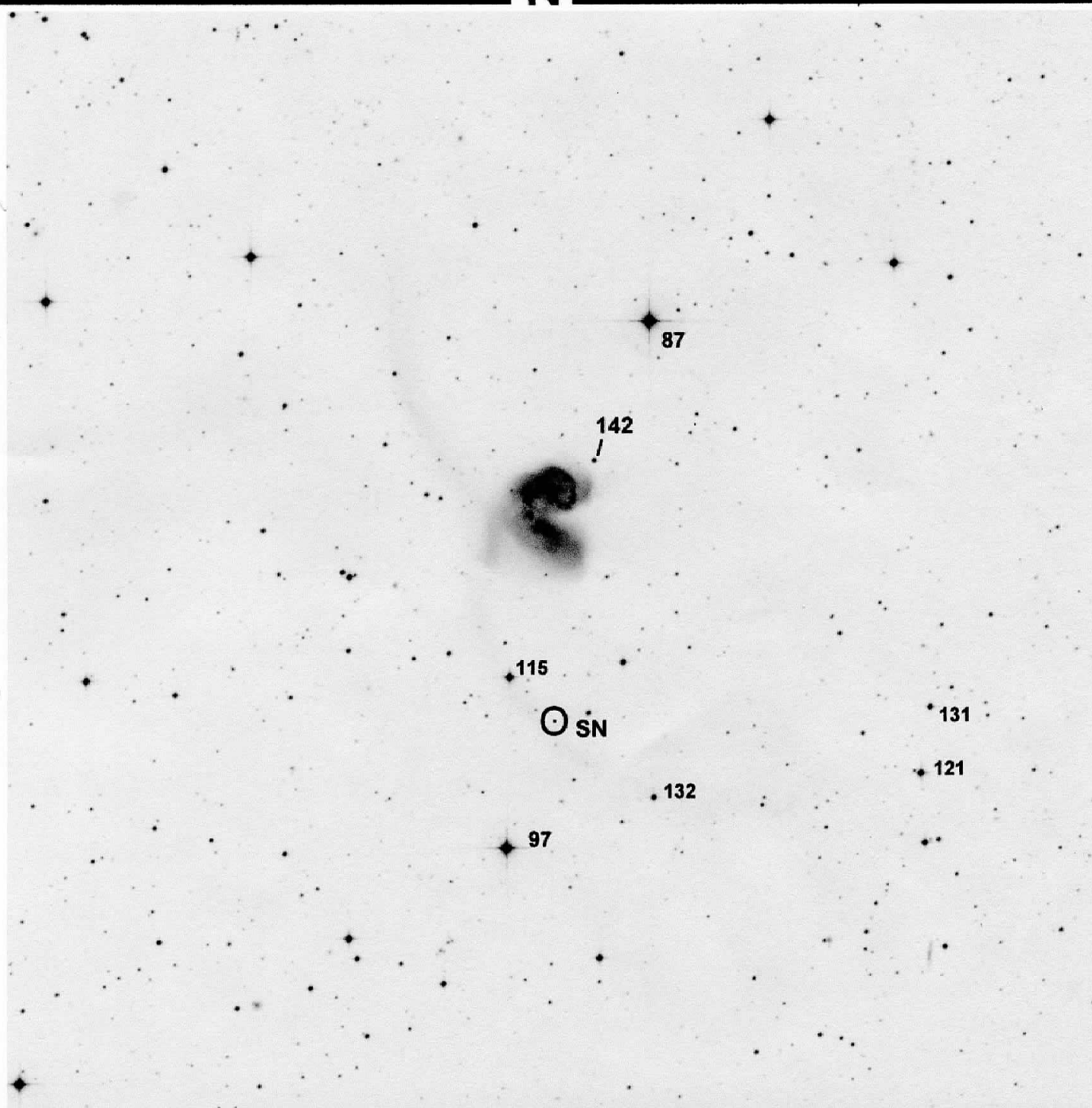
(2000) 12:01:52.80 - 18:58:21.8

SN 13p - ? Spect. ?

N

Scale : 1 0" = 1mm

E



DSS Red Image.

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

24/12/2007

Mati

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Sent: Monday, 24 December 2007 8:27 PM
Attach: New_CV_Hya_f.png
Subject: VSM 172. New CV in Hydra

VSM 172. 2007 December 24.

=====

Object: New transient in Hydra. CV? UGWZ?
Prelim. designation J111218-353837
Posn. (2000) : 11:12:17.41 -35:38:28.9
Mag. : 2007-12-18 07:00:57 11.49C
+5 confirmatory observations, terminating on
2007-12-18 05:41:52 11.61C

19

Marcin Sokolowski of the "Pi in the Sky" team reported that their system had been triggered by a transient object. It seemed too far off the galactic plane to be a nova, and the amplitude seems a bit small. Brian Skiff has apparently identified a faint (21.0 mag) object with the outbursting object on archival Schmidt plates. It could be a CV of long cycle length; UGWZ type? A chart and V sequence are issued promptly, while it is still visible.

Char

=====

Note that this is an "f" scale chart, so the size of the field is only 15' x 15'. The exact position of the object is marked by a cross, "+".

Regards,
Mati Morel
E151:38:33
S32:46:47
morel@ozemail.com.au

24/12/2007

VSM 172

Variable Star Section, RASNZ

42-A00003(r)

110735 Hya
 (2000) 11:12:17.41 -35:38:28.9
 UGWZ? 11.49C - 21 Spect. ?

Scale : 5 " = 1mm

N

E

Guide8 plot. GSC-ACT +USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3;

MM 2007.12.24

24/12/2007

Mati

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 Sent: Sunday, 24 February 2008 11:37 AM
 Attach: V3600_LMC_e.png; V3600_LMC_g.png
 Subject: VSM 173 : V3600 LMC = HD 269858

VSM 173. 2008 February 24

Object : V3600 LMC = HD 269858
 Posn. (2000) : 05:36:43.71 -69:29:47.5
 Type : SDor
 Range : 8.8 -11.17V

According to IAUC 8913, this SDOR star in the LMC appears to be in decline, visually. Spectroscopically it appears to be returning to the Wolf-Rayet state. The star underwent an outburst in 1982, brightening by ~1.5mag, which prompted the preparation of the currently available VSS charts, nos. 778 and 779. Two new charts have now been prepared.
 * An 'e' chart, scale 10" = 1mm, height 30"
 * A 'g' chart, scale 2.5" = 1mm, height 7.5".

The following points should be noted.

- * The '106' star just east of V3600 is also variable, now known as V3604 LMC.
- * V3600 and V3604 are both part of a tight cluster known as SL 610, or LH 94.
- * V3600 has a close companion to the north west, mag 12.1v, d = 3".
- * V3604 is the brightest star in a very tight cluster, spanning only 15". There are at least 33 components to the cluster, but only V3604 is brighter than 13.0V. Most components lie just south or south west of V3604.

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 morel@ozemail.com.au

26/02/2008

VSM 173

Variable Star Section, RASNZ

054169 V3600 LMC = HD 269858
(2000) 05:36:43.71 -69:29:47.5
SDor 8.8 - 11.17V Spect. Ofpe/WN9

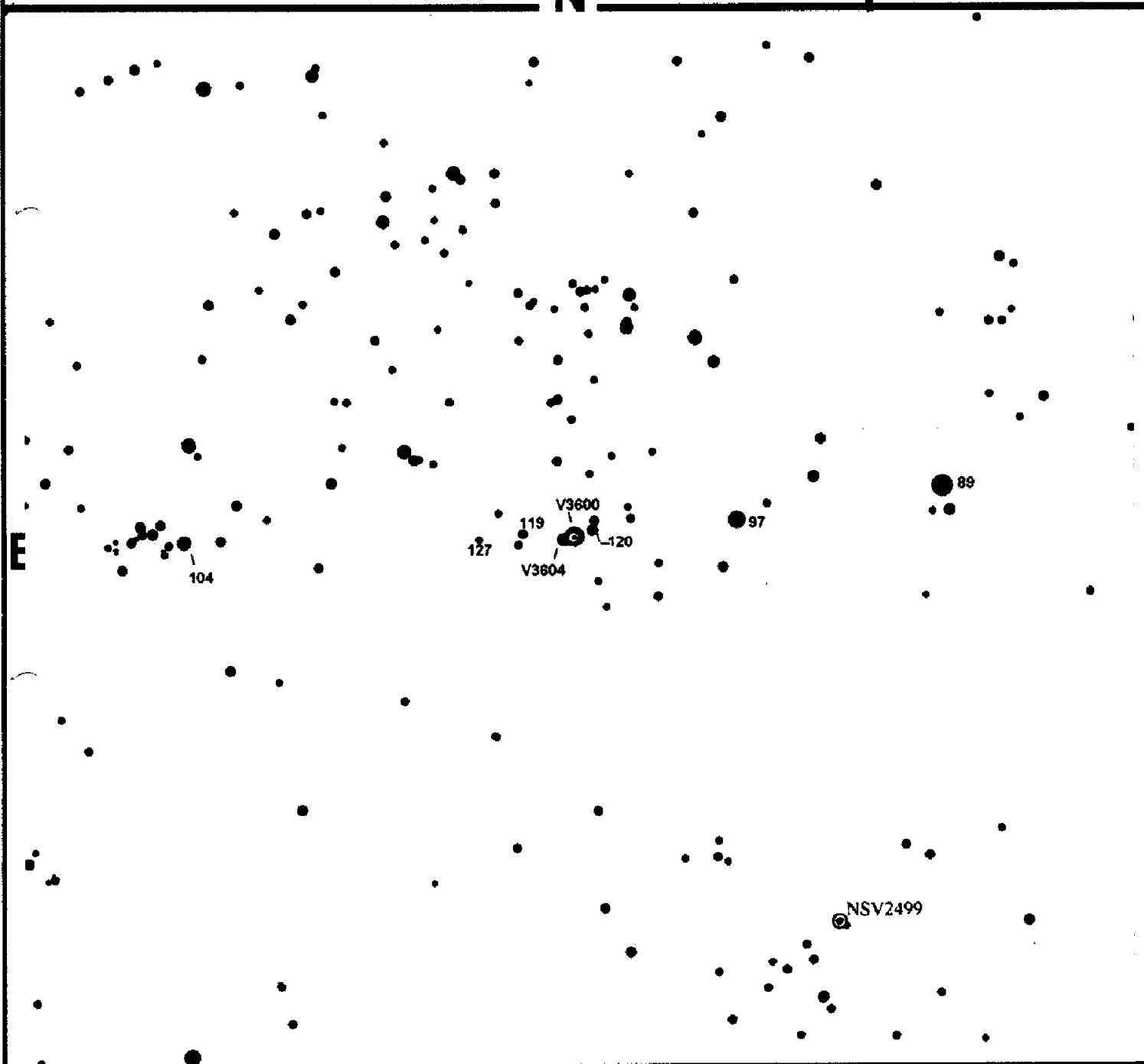
89-V03600(e)

See also RASNZ charts
778, 779

Also shown: V3604 LMC, SDor: 10.48 - 11.03V

N

Scale : 10" = 1mm



Plotted from GSC-ACT.

Equinox : 2000

Mags: V-Rousseau et al 1978.

(C) 2008

MM 2008 02 26

Variable Star Section, RASNZ

89-V03600(g)

054169 V3600 LMC = HD 269858
 (2000) 05:36:43.71 -69:29:47.5
 SDor. 8.8 - 11.17V Spect. Ofpe/WN9

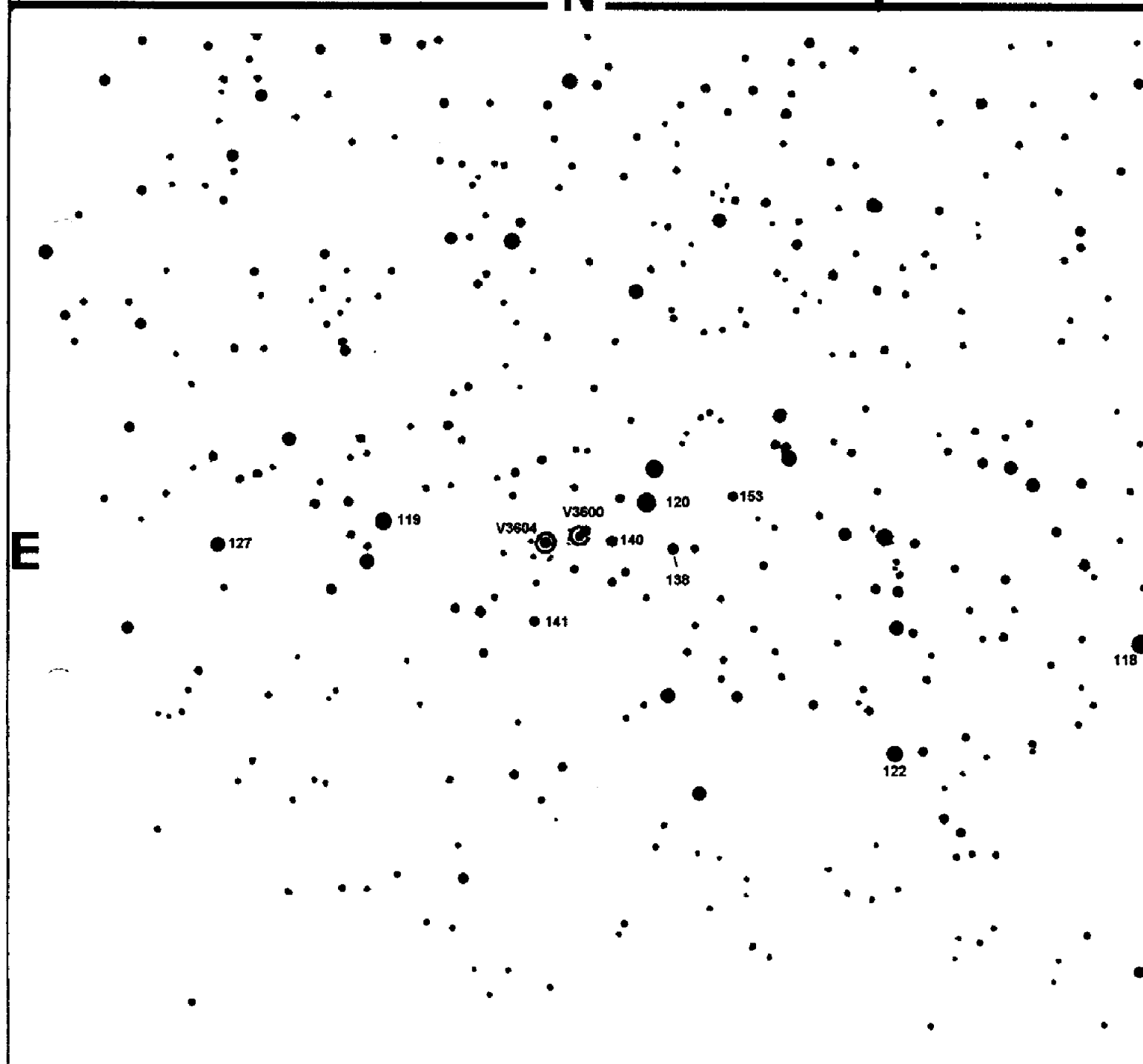
See also RASNZ chart 779.

Also shown: V3604 LMC, SDor: 10.48-11.03V.

Scale : 2.5" = 1mm

N

E



Plotted from GSC-ACT + UCAC2 + photos

Equinox : 2000

Mags: V - V_{pe} from various sources
 V_{ptg} (<12.7) from Lucke Thesis, 1972

(C) 2008

MM 2008 02 26

M. Morel

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Sent: Friday, 28 March 2008 5:56 PM
Attach: SN_NGC7793_e.png
Subject: VSM 174 : SN in NGC 7793

VSM 174. 2008 March 2008

Object : SN in NGC 7793

Posn : (2000) 23:57:47.5 -32:33:24

Type : SN in bright galaxy NGC 7793

Mag. : 12.6

A supernova has been discovered in the bright southern galaxy NGC 7793. Discoverer is Berto Monard in South Africa. Details are very scanty, being taken from a note in the amastro list, by Brian Skiff. Presumably more details will emerge in due course. Fortunately an excellent sequence exists, by Alcaino and Liller. I have added another star, 123 near the SN (also provided by Brian Skiff).

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

28/03/2008

Variable Star Section, RASNZ

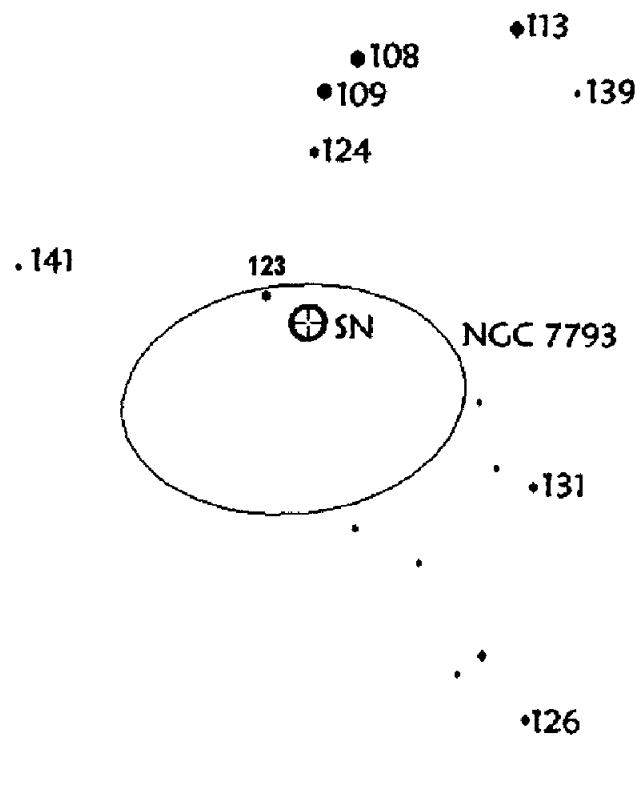
74-A00009(e)

235233 SN in NGC 7793
(2000) 23:57:47.5 -32:33:24
SN. 12.6 - ? Spect. ?

Scale : 10" = 1mm

N

E



Plotted from GSC-AC1

Equinox : 2000

Maps: V - Alcaño, G. and Liller, W. 1984, Astron. J. 89, 614

(C) 2008

MM 2008 03 28

28/03/2008

M. Morel

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To: "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Berto Monard" <LAGMonar@nmisa.org>; "Bill Allen" <whallen@xtra.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nichols" <dcn@dcnicholls.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Giorgio DiScala" <gdiscala@aapt.net.au>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "W.Liller" <wliller@compuserve.com>
Sent: Saturday, 5 April 2008 5:31 PM
Attach: NR_TrA_d.png
Subject: VSM 175 : NR TrA = Nova TrA 2008

VSM 175 : 2008 April 5.

=====
Object : 1610-60 NR TrA = Nova TrA 2008

Type : Nova

Posn: (2000) 16:18:48.21 -60:27:48.9

Mag: 9.0v - ?

Discoverer: Nicholas Brown, WA, Australia, April 2.74

Discovered by Nick Brown on exposures made on T-Max 400 film, this faint nova has been confirmed and given a permanent name, NR TrA. The attached chart is "d" scale, 1° high.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

14/04/2008

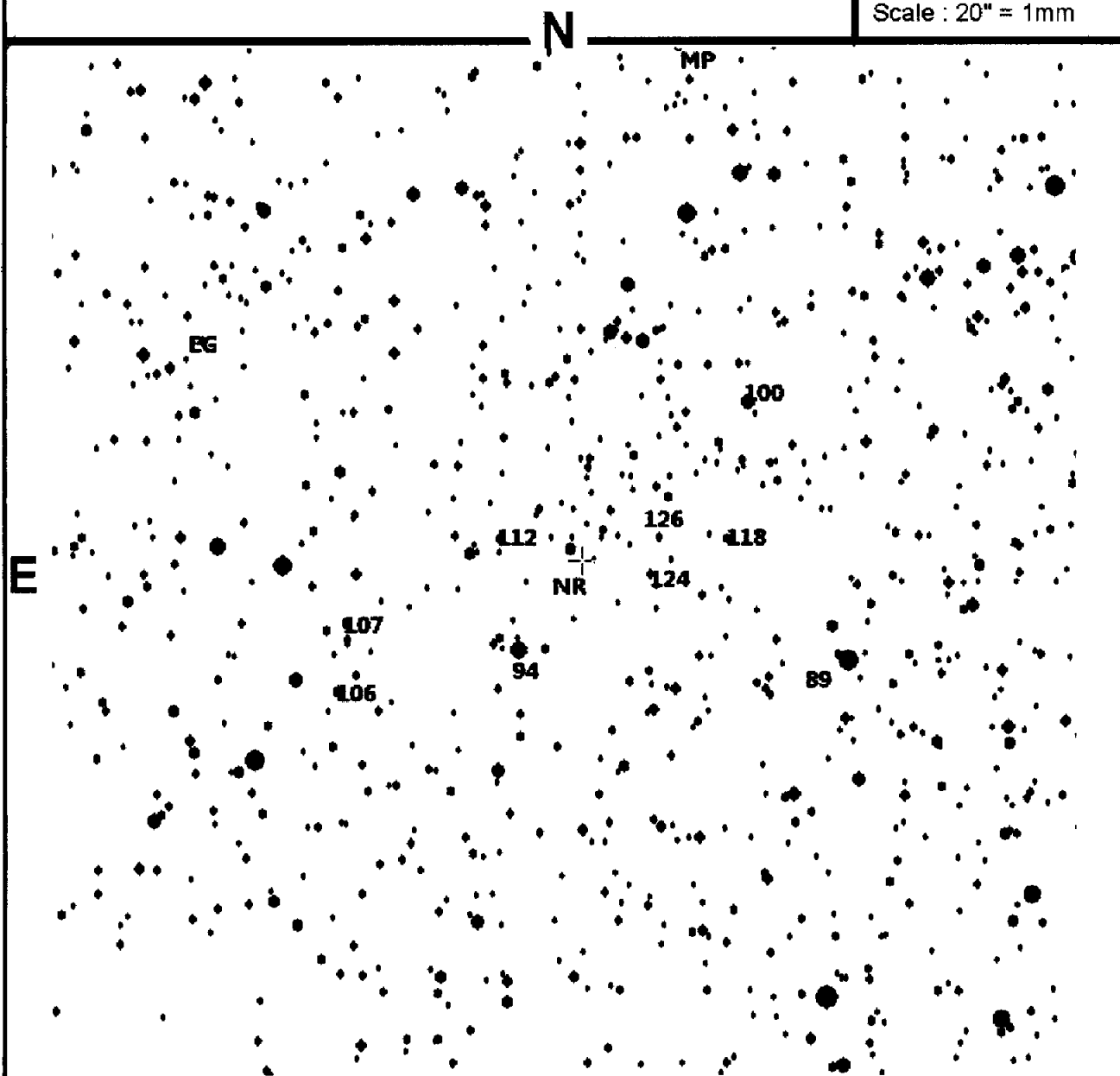
Variable Star Section, RASNZ

81-V00293(d)

161060 NR Trianguli Australis

(2000) 16:18:48.21 -60:27:48.9
N. 9.0v - ? Spect. ?

Scale : 20" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2007

MM 2008 04 04

M. Morel

From: "M. Morel" <mmorel7@bigpond.com>
To: "Alexandre Amorim" <costeira1@tutopia.com.br>; "W. Liller" <willer@compuserve.com>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Stephen Hovel" <srh@extra.co.nz>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nyline.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Giorgio DiScala" <gdiscala@aapt.net.au>; "Fraser Farrell" <fraserf@internode.on.net>; "David Nicholls" <dcn@denicholls.com>; "Bruce Sumner" <bruce.sumner@hotmail.com>; "Bili Allen" <whallen@extra.co.nz>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Albert F Jones" <afjones@ts.co.nz>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "nickbrown" <nbrown72@bigpond.com>
Cc: <mmorel7@bigpond.com>
Sent: Saturday, 19 April 2008 9:50 PM
Attach: Nv_SGR_08_e.png
Subject: VSM 176 : Possible nova in Sgr

VSM 176 : 2008 April 19

=====
 Object : 1759-27 Sgr (Nova Sgr 2008)

Type : Probable nova

Posn.: (2000) 18-05:58.88 - 27:13:56.0

Mag. : 8.4C

Discovered : 2008 04 18.80874 UT

V 5579 Sgr

This object appears on the Unconfirmed Objects page of the CBAT. Guido and Sestero of the Remanzacco Observatory, Italy, have remotely imaged the object and confirmed the above coordinates. Spectroscopic confirmation is required; it is still bright. The field is very crowded, but a preliminary V sequence is provided.

Regards,

Matu Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

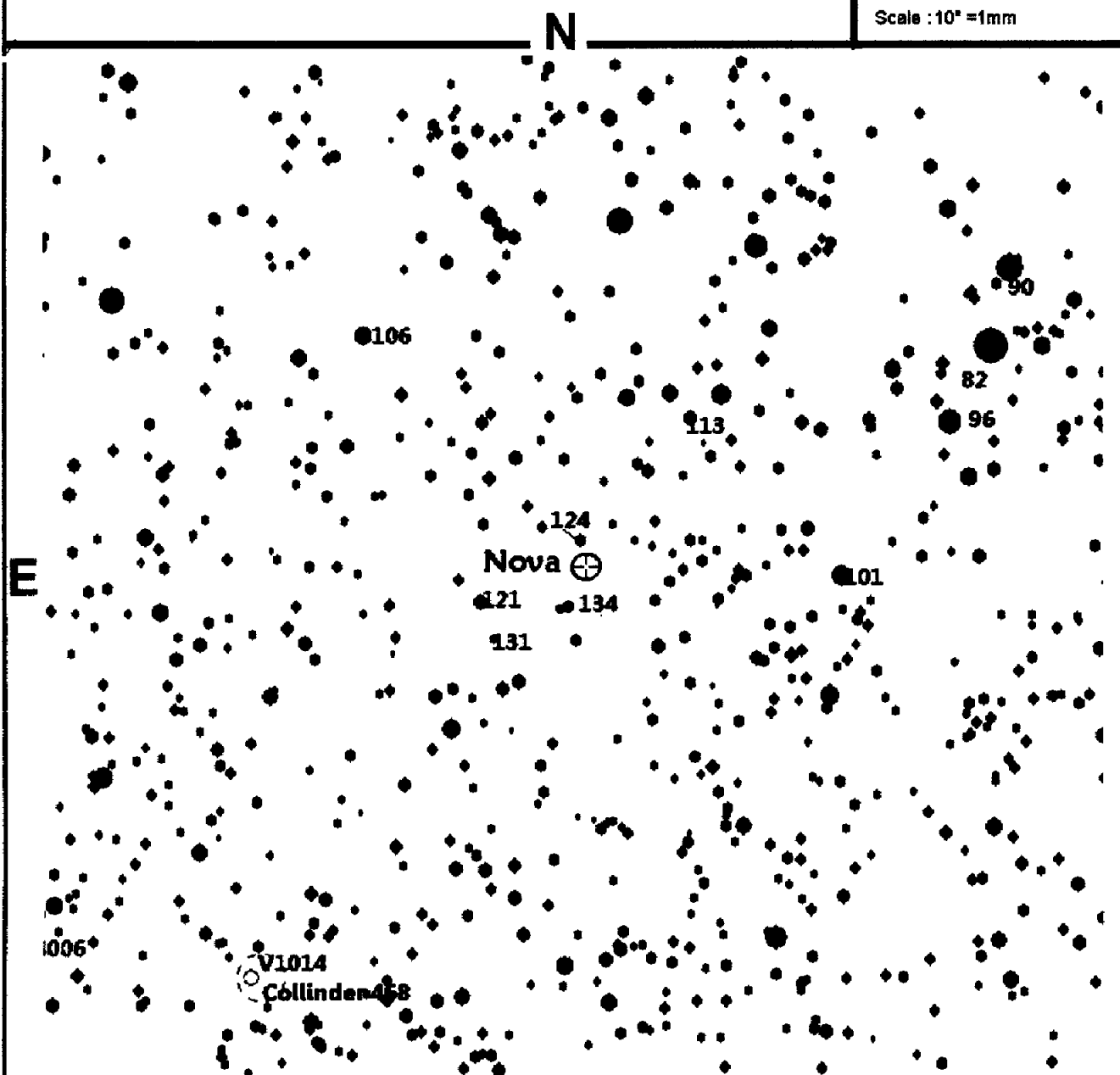
23/04/2008

Variable Star Section, RASNZ

72-A00010(e)

175927 Sgr (Nova?)
 (2000) 18:05:58.88 -27:13:56.0
 N ? 8.4C - ? Spect. ?

Scale : 10" = 1mm



Plotted from GSC-ACT

Equinox : 2000

Mags: V - Tycho-2 & ASAS-3

(C) 2008

MM 2008 04 19

23/04/2008

Mati Morel

From: "M. Morel" <mmorel7@bigpond.com>
 To: "Alexandre Amorim" <costeira1@tutopia.com.br>; "W.Liller" <willer@compuserve.com>; "Steve and Kathy Kerr" <skak@inet.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Giorgio DiScala" <gdiscale@aapt.net.au>; "Fraser Farrell" <fraserf@internode.on.net>; "David Nicholls" <dcn@donicholls.com>; "Bruce Sumner" <brucesumner@hotmail.com>; "Bill Allen" <whallen@xtra.co.nz>; "Berto Monard" <LAGMonard@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Albert F Jones" <afjones@ts.co.nz>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@aplummer.com.au>
 Sent: Wednesday, 23 April 2008 7:49 PM
 Attach: NR_TrA-e.png
 Subject: VSM 177 : Nova TrA 2008 = NR TrA

VSM 177 : 2008 April 23.
 =====

Object : 1610-60 NR TrA = Nova TrA 2008
 Type : Nova
 Posn. : (2000) 16:16:48.21 -60:27:48.9
 Mag. : 9.0v - ?
 Discoverer: Nicholas Brown, Quinns Rocks, WA, Australia

Supplementary Chart, scale "e" (10" = 1mm).
 A chart of expanded scale is provided here. The V sequence used here extends the one in VSM 175 by adding two stars, 128 and 132.
 Happy observing !
 Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

Variable Star Section, RASNZ

81-V00293(e)

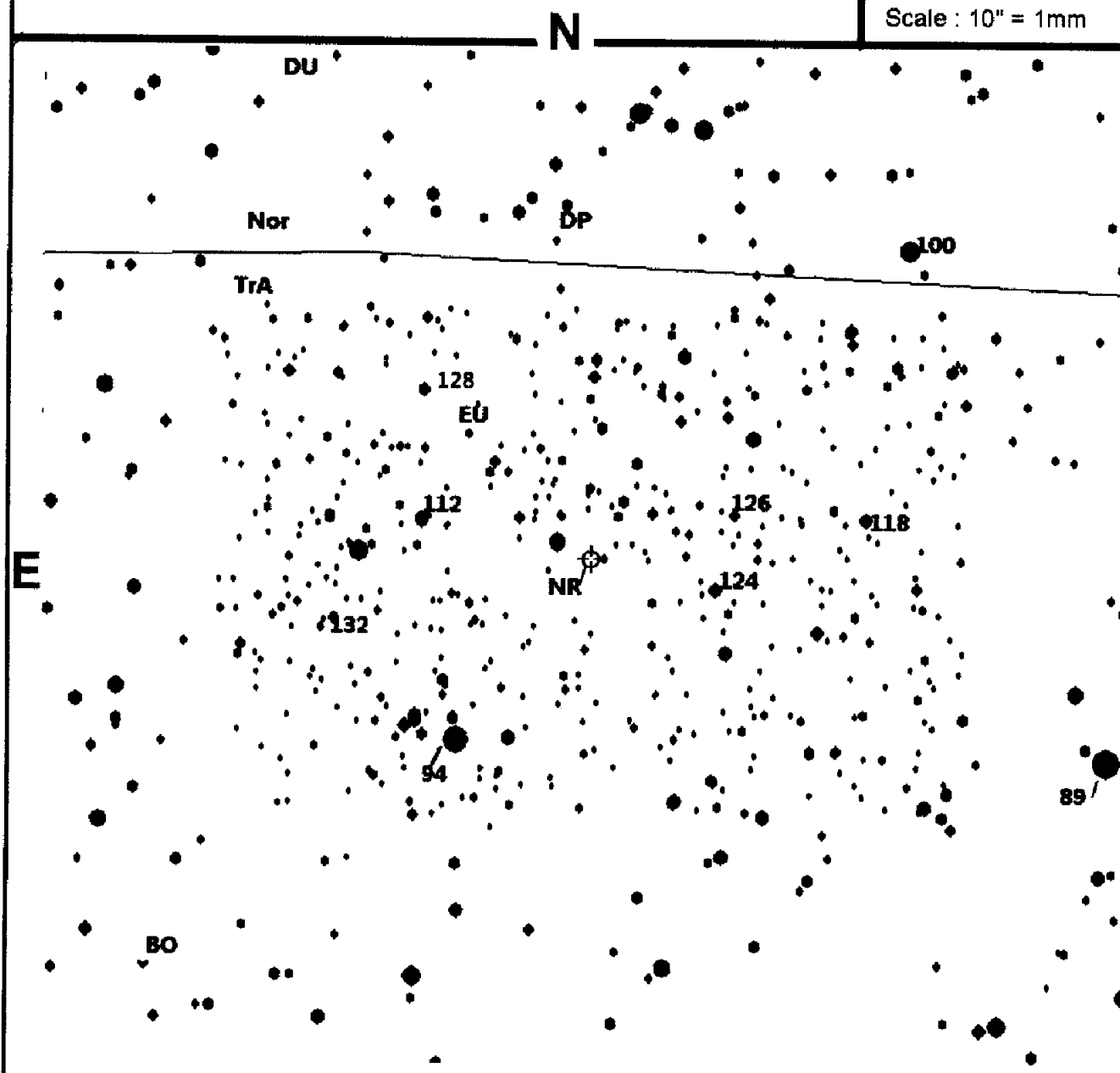
161060 NR Trianguli Australis

(2000) 16:18:48.21 -60:27:48.9

N. 9.0v —?..... Spec. Pec

See also VSM 175.

Scale : 10" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2008

MM 2008 04 24

16/05/2008

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
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Sent: Friday, 16 May 2008 7:45 PM
Attach: NGC300_Trans.png
Subject: VSM 178 : Transient object in NGC 300.

VSM 178 : 2008 May 16.

Object: 0049-38 Obj. in NGC 300
 Type : (Unknown; Transient object)
 Posn : (2000) 00:54:34.16 -37:38:28.6
 Mags : Apr. 24.16 16.5
 May 14.14 14.2
 May 15.14 14.2

Luminous Transient in NGC 300.

Discovered by L.A.G. Monard, Pretoria, South Africa, on unfiltered CCD images taken on May 14.14 UT. The object is 227" west and 153" north of the core of the Sculptor-group galaxy NGC 300.

Spectroscopically the object has been determined to be not a classical nova, nor a LBV, nor a supernova. The spectrum is fairly similar to that of V838 Mon on 2002 Feb 13, an object suggested to represent the collision or merger of two stars.

Ref: LAUC 8946

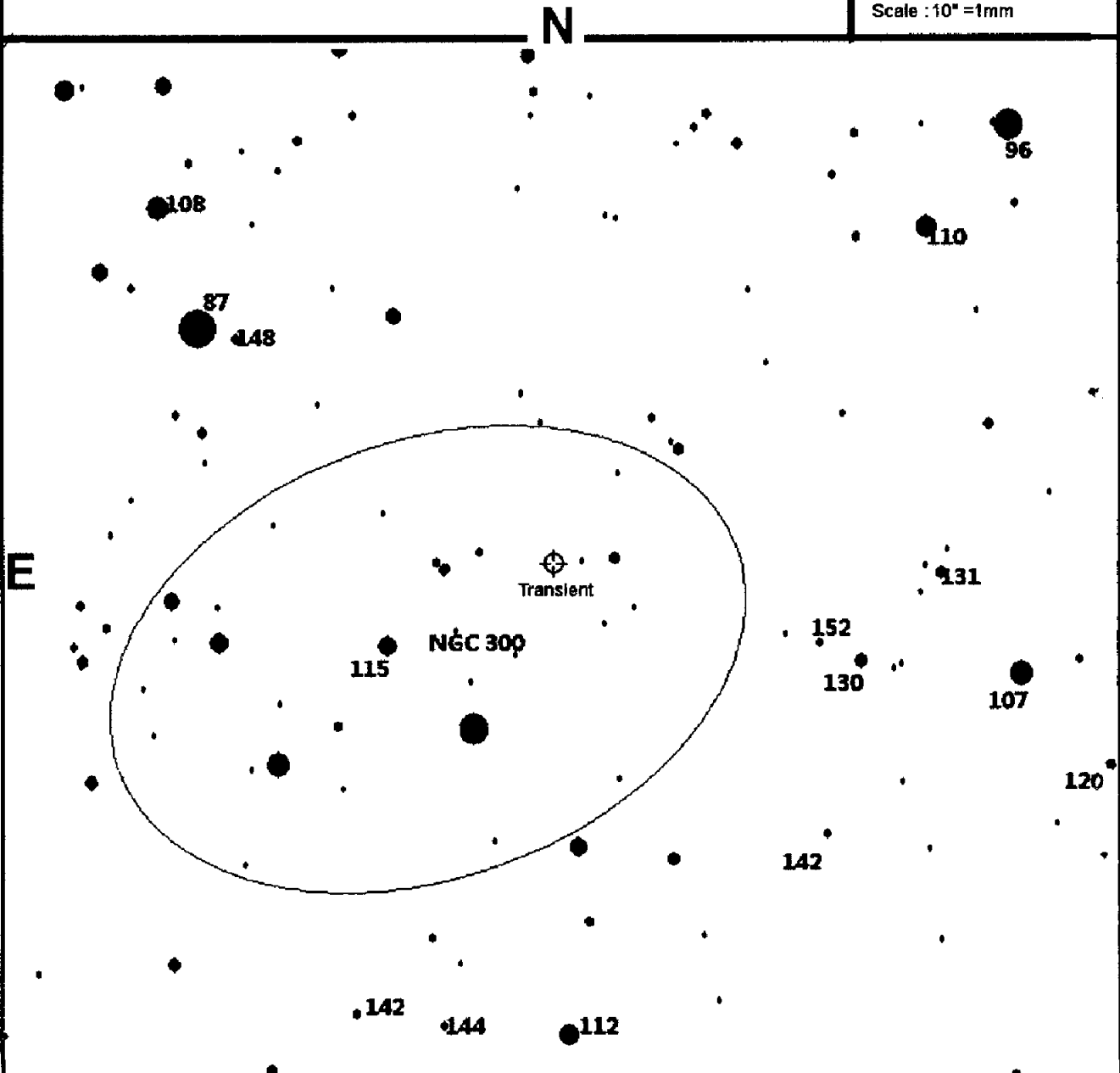
Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

Variable Star Section, RASNZ

74-A00011(e)

004938 Obj. In NGC 300
(2000) 00:54:34.16 -37:38:28.6
Bright transient 14.2C

Scale : 10" = 1mm



Plotted from GSC-ACT, UCAC2 & USNO-A2.0

Equinox : 2000

Mags: V - Alcalá, G. & Liller, W. 1984, Astron. J. 89, 814

(C) 2008

MM 2008 05 16

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Alexandre Amorim" <costeira1@tutopia.com.br>; "W.Liller" <willer@compuserve.com>; "Steve and Kathy Kerr" <srkat@inet.net.au>; "Stephen Hovell" <srh@extra.co.nz>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; <pfwilliams@onaustralia.com.au>; "Peter Williams" <peter_williams@oc.nyline.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Giorgio DiScala" <gdiscala@aapt.net.au>; "Fraser Farrell" <fraserf@intamode.on.net>; "David Nichols" <dcn@dcnicholls.com>; "Bruce Sumner" <brucesumner@hotmail.com>; "Bill Allen" <whallen@extra.co.nz>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Albert F Jones" <afjones@ts.co.nz>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@aiplummer.com.au>
Sent: Tuesday, 27 May 2008 2:46 PM
Attach: Nova_Oph08_e.png
Subject: VSM 179 : Nova Oph 2008

VSM 179 : 2008 May 27.
 =====

Object : 1733-23 Nova Oph 2008
 Position : (2000) 17:39:50.93 -23:50:00.9
 Type : Nova

V2670 Oph

Originally listed on the CBAT Unconfirmed Objects page, this object is now confirmed as a nova, though possibly a slow one, and somewhat reddened. Maximum not yet reached?
 Confirmations:

- o E. Guido and G. Sostero (Remanzacco Observatory, Italy):
 2008 May 26.31 UT, B = 11.42, V = 10.45, R = 9.81 +/- 0.05.
- o Korotkiy Stanislav and Elenin Leonid, Moscow, Russia:
 2008 May 26.45676 UT, V = 10.46

Refs; vsnet-alert 10212,10214,10215, 10216.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

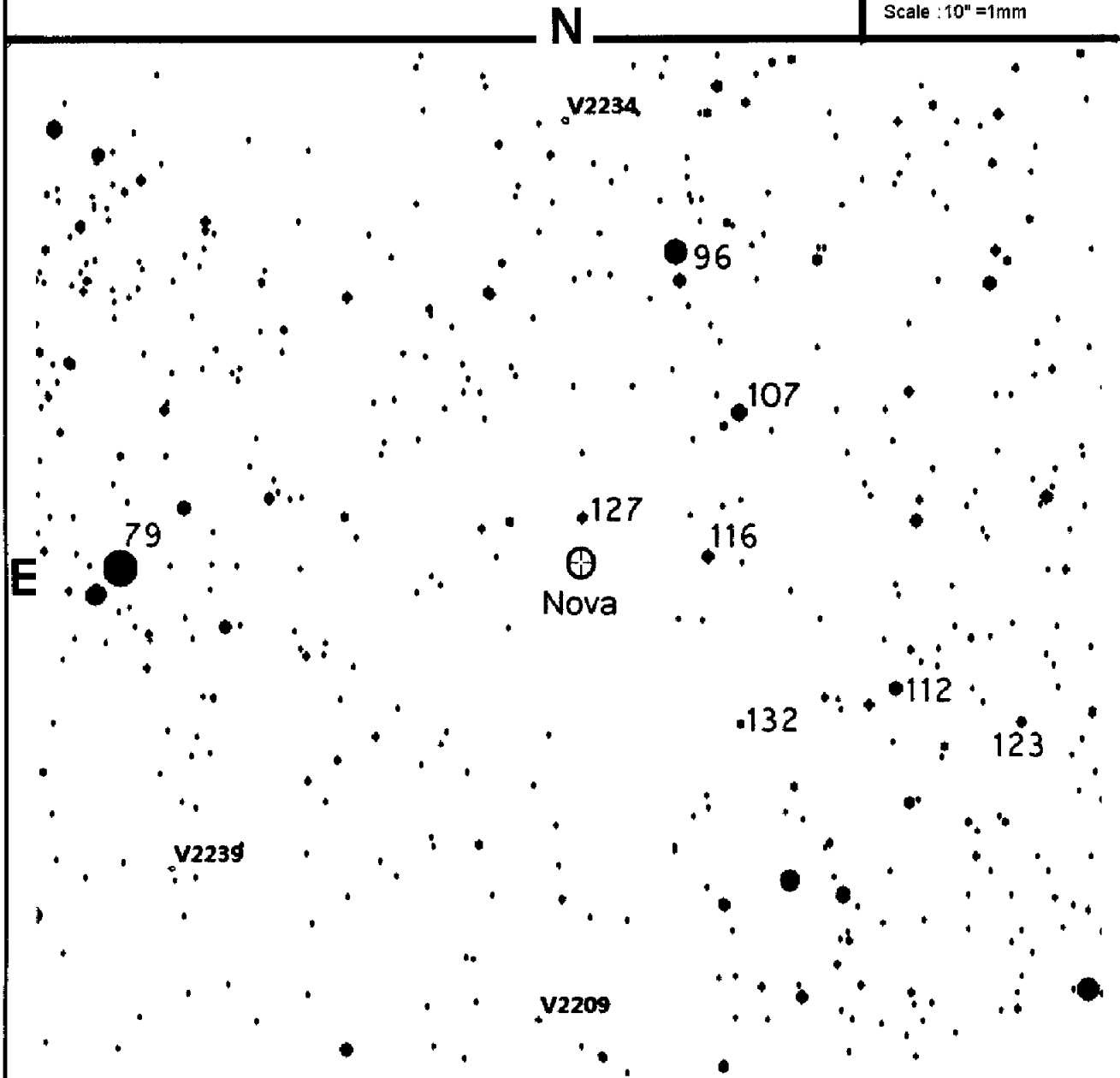
Variable Star Section, RASNZ

59-A00012(e)

173323 Nova Oph 2008
(2000) 17:39:50.93 - 23:50:00.9
N. 10.2C - ? Spect. ?

V2670 Oph

Scale : 10" = 1mm



Plotted from GSC-ACT & USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2008

MM 2008 05 27

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "A Plummer" <info@aplummer.com.au>; "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Berto Monard" <LAGMonard@rimisa.org>; "Bill Allen" <whallen@xtra.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcon@dnicholls.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Pauline Loader" <casnzweb+varstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nyline.com>; <pfwilliams@onaustralia.com.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "W.Liller" <willer@compuserve.com>; "Alexandre Amorim" <costeira1@tutopia.com.br>
Sent: Tuesday, 3 June 2008 8:38 PM
Attach: NovaOph2.png
Subject: VSM 180 : Possible Nova Oph 2008 No.2

VSM 180 : 2008 June 3.
 =====

Object : 1727-26 Nova Oph 2008 No. 2
 Posn : (2000) 17:33:29.61 -27:01:14.5
 Type : Possible Nova

V2671 Oph

Originally listed on the CBAT Unconfirmed Observations Page, this object has been confirmed by several observers. Discovered by two Japanese observers -K. Nishiyama and F. Kabashima- at mag 11.3C on May 31.62754. Visual magnitudes have been reported by at least 3 groups on June 2, between 12.72V and 12.9v (S. Kerr, Rockhampton Qld). The object is probably a nova, lying in a reddened field.

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

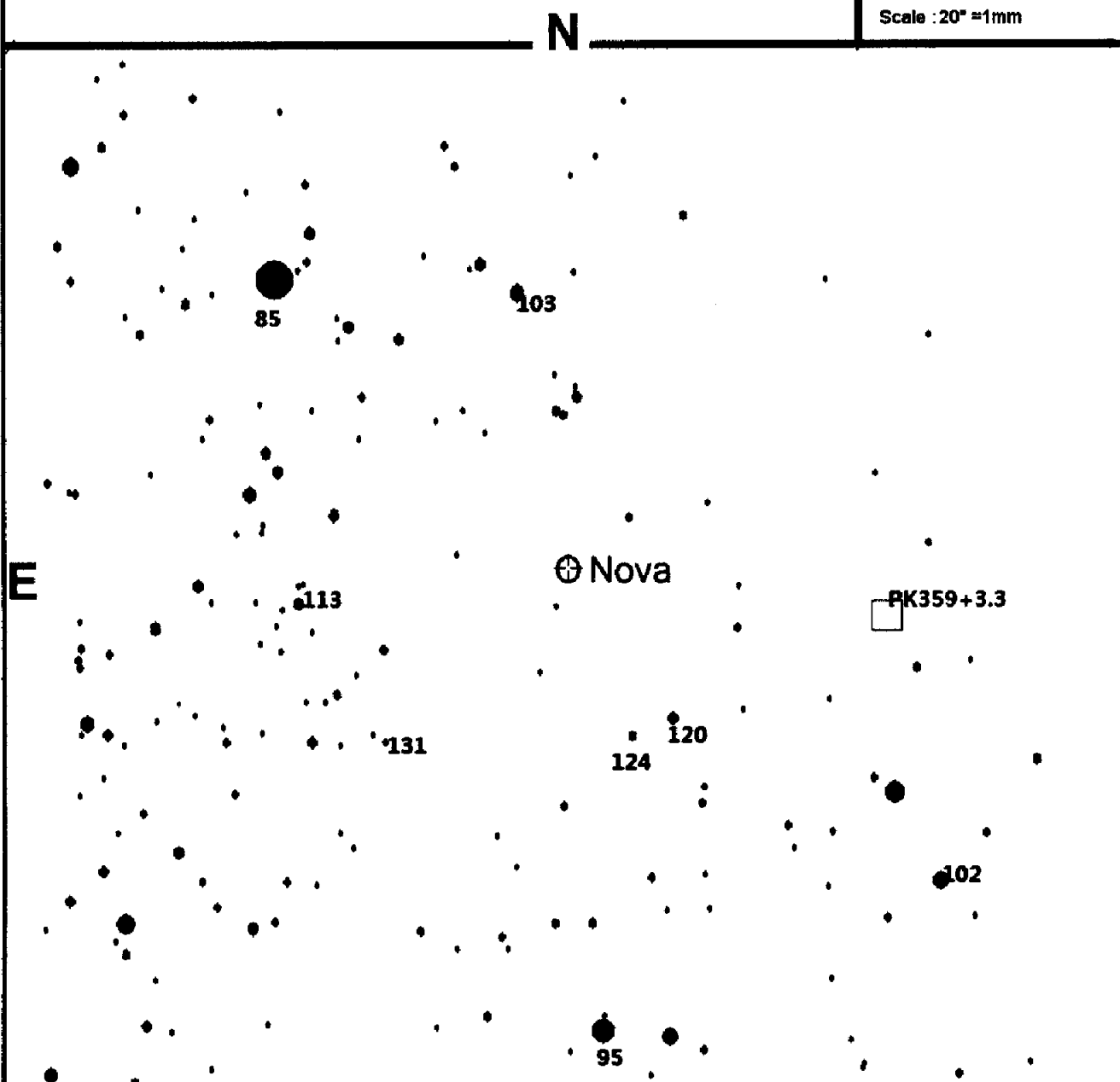
Variable Star Section, RASNZ

59-A00013(d)

172726 Nova Oph 2008 No. 2
(2000) 17:33:29.62 -27:01:14.5
N. 11.3C - ? Spect. ?

V2671 Oph

Scale : 20" = 1mm



Plotted from GSC-ACT & USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2008

MM 2008 06 03

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
 To: "A Plummer" <info@aplummer.com.au>; "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Berto Monard" <LAGMonard@nmisa.org>; "Bill Allen" <whallen@xtra.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nichols" <don@dcnichols.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "ptwilliams@onaustralia.com.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "W.Liller" <wlliller@compuserve.com>; "Alexandre Amorim" <costeira1@utopia.com.br>
 Sent: Tuesday, 24 June 2008 8:56 PM
 Attach: V821_Ara_g.png
 Subject: VSM 181: GX 339-4 = V821 Ara

VSM 181: 2008 June 24.

Unusual optical and X-ray flaring activity in GX 339-4.

The optical counterpart of the black hole X-ray binary GX 339-4 has been monitored since September 2007 in V, R and i-bands with the Faulkes Telescope South at Siding Spring, Australia (D.M. Russell, Univ. of Amsterdam; D. Altamirano, Univ. of Amsterdam; F. Lewis, P. Roche, C. B. Markwardt and R.P. Fender). Optical flaring on a time scale of days has been observed, and the mean flux is increasing. Amplitudes are of the order of one magnitude or more, which is, as far the investigators know, stronger than previous periods of both outburst and low flux levels. Reported optical measurements are:
 $V = 18.07 \pm 0.05$ 2008-05-29 MJD 54615.40
 $V = 17.10 \pm 0.18$ 2008-06-20 MJD 54637.35
 It is possible that GX 339-4 is beginning a new outburst.
 Ref. Astronomical Telegram AT #1586 for more details.

To see lights curves for GX 339-4, go to
http://staff.science.uva.nl/~davidr/aulkes_gx339.html
 A four-passband sequence for GX 339-4 can be found at
http://www.astro.yale.edu/buxton/smarts/find_charts/gx339.html

The VSS, RASNZ has issued charts for GX 339-4 = V821 Ara. See charts 625 & 626 in Series 14. No comparison stars were selected. The attached chart rectifies this.

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

From: "Mati Morel" <mmorel7@bigpond.com>
 To: <AVSON@yahooogroups.com>
 Subject: [SPAM] [AVSON] Sequence for V821 Ara = GX 339-4
 Date: Tuesday, 24 June 2008 8:20 PM

According to Astronomical Telegram AT#1586, the black hole X-ray binary GX 339-4 = V821 Ara is showing unusual activity in both the X-ray and optical regions. It may be heading for a new outburst. The last measurement in V gave 17.10 ± 0.18 (2008.06.20). A sequence of 4 stars is available (in four passbands) from

http://www.astro.yale.edu/buxton/smarts/find_charts/gx339.html

A VSM is in preparation. Positions and mags for the comparison stars are as follows.

No.	Posn (2000)	V	I	J	H	Remarks
1	17:02:49.35 -48:47:22.8	N/A	N/A	N/A	N/A	GX 339-4
2.	17 02 53.71 -48 47 21.1	14.391	13.903	12.941	12.8	
3.	17 02 51.74 -48 47 21.8	16.869	15.82	14.502		
4.	17 02 51.94 -48 47 09.1	17.402	15.42	13.348	12.46	
5.	17 02 49.94 -48 47 16.0	17.292	15.65	13.826	13.11	

No errors available. All positions taken from GSC2.2 catalogue.

Charts 625 & 626, of VSS, RASNZ Series 14 appeared _without_ any comparison stars, but the field is shown accurately. An updated chart will be issued shortly.

Regards,
 Mati Morel

VSM 181

Variable Star Section, RASNZ

06-V00821(g)

165548 V821 Ara = GX 339-4

(2000) 17:02:49.35 -48:47:22.8
X-Ray 15.4 - 20.4V Spect. Pec

Scale : 2.5" = 1mm

N

E

174
173
V821
169
144

Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - http://www.astro.yale.edu/buxton/smarts/find_charts/gx339.html

(C) 2008

MM 2008 06 24

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "A Plummer" <info@aplummer.com.au>; "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Berto Monard" <LAGMonard@nmisa.org>; "Bli Allen" <whallen@xtra.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@dnicholls.com>; "Fraser Farrel" <fraserf@internode.on.net>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nydnline.com>; <pfwilliams@onaustralia.com.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Steve and Kathy Ken" <skak@iinet.net.au>; "W.Liller" <willier@compuserve.com>; "Alexandre Amorim" <costeira1@utopia.com.br>
Sent: Wednesday, 3 September 2008 3:12 PM
Attach: Nova_Cen08_d.png
Subject: VSM 182 : Possible nova in Centaurus

VSM 182 : 2008 September 3.

Object: 1427-63 Centaurus
 Posn: (2000) 14:35:02.54 -64:06:20.0
 Type : Possible nova, Nova Cen 2008
 Observations : Aug. 24.070 UT Inv.
 26.045 9.97V
 26.056 9.93V
 29.060 8.40V
 30.040 8.38V
 Sept. 01.015 8.53V

All observations from ASAS-3 system, as reported in <vsnet-alert 10484>. Edited.
 The object has been confirmed by several observers. Precise position determined by G. Sestero, Guido and P. Camilleri (Remanzacco Obs. blog site).

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

3/09/2008

Variable Star Section, RASNZ

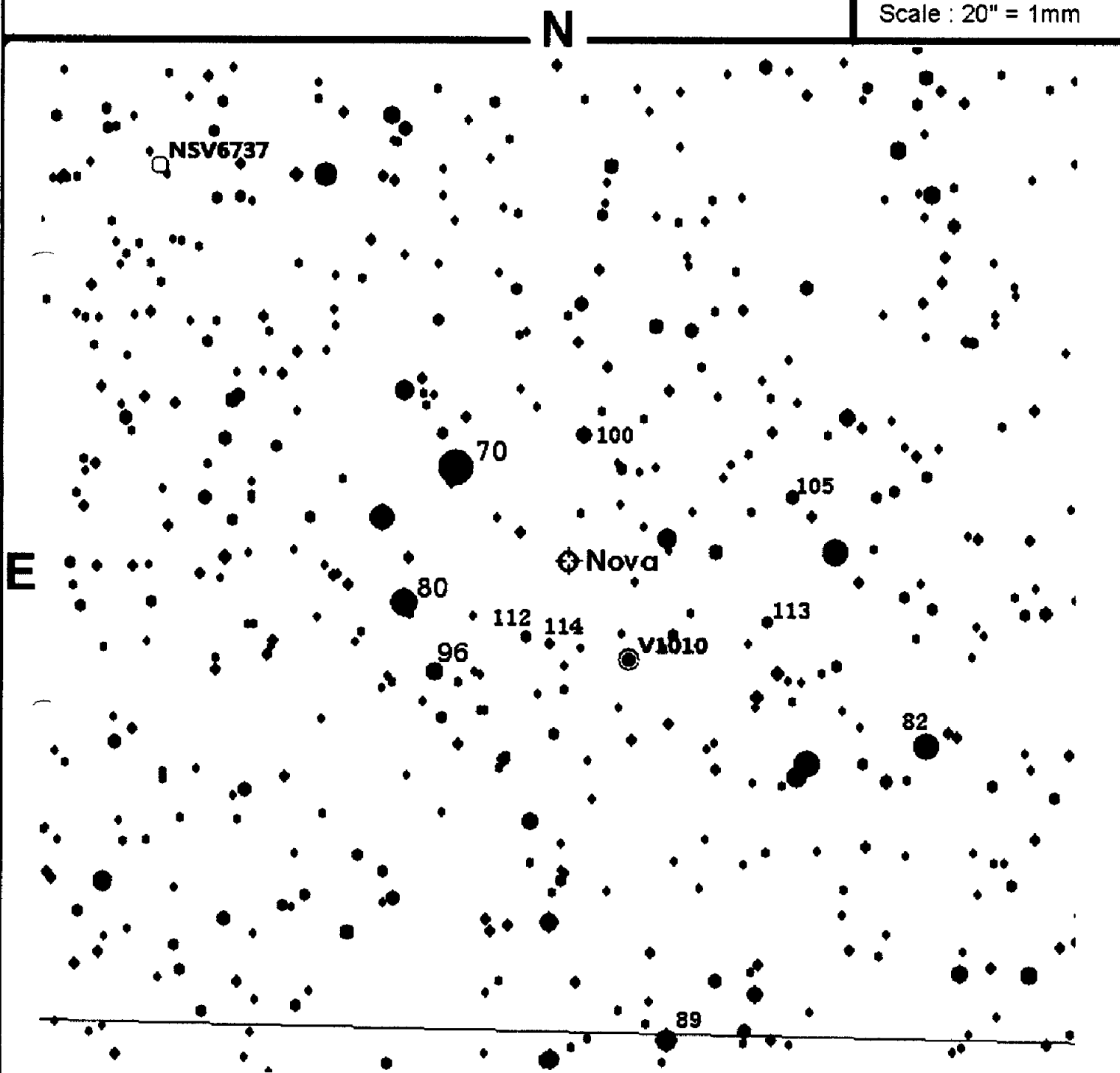
19-A00014(d)

142763 Nova Centauri 2008

(2000) 14:35:02.54 -64:06:20.0

N. 8.38V - ? Spect. ?

Scale : 20" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: Vhipp. / Tycho-2 + ASAS-3

(C) 2007

MM 2008 09 03

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
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Sent: Thursday, 4 September 2008 5:33 PM
Attach: Nova_Sco_e.png
Subject: VSM 183 : Possible Nova in Scorpius

VSM 183 : 2008 September 4.
 =====

Object: 1751-30 Scorpii
Position: (2000) 17:57:32.93 -30:43:10.3
Type : Possible Nova
Magnitude : 9.6C

V1309 Sco

Originally placed on the CBAT Unconfirmed Objects page, it has now been confirmed by imaging, and precise position reported by at least two other teams, eg E. Guido, G. Sostero and P. Camilleri (Sept. 3.45) and S. Korotkiy (Russia).

Still awaiting final confirmation as a genuine nova.

Sequence:
 =====

A V sequence is shown on the attached chart. The "nova" has two close companions to the west, at ~12.5 mag. Take care when the object fades. Star '138' is approximate as the ASAS3 photometry is dependent on relatively few measurements, only about 50.

General :
 =====

All of the far southern sequences which I create for novae and other transients are also transmitted to the AAVSO, so there is likely to be complete agreement vis-a-vis AAVSO and RASNZ sequences.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

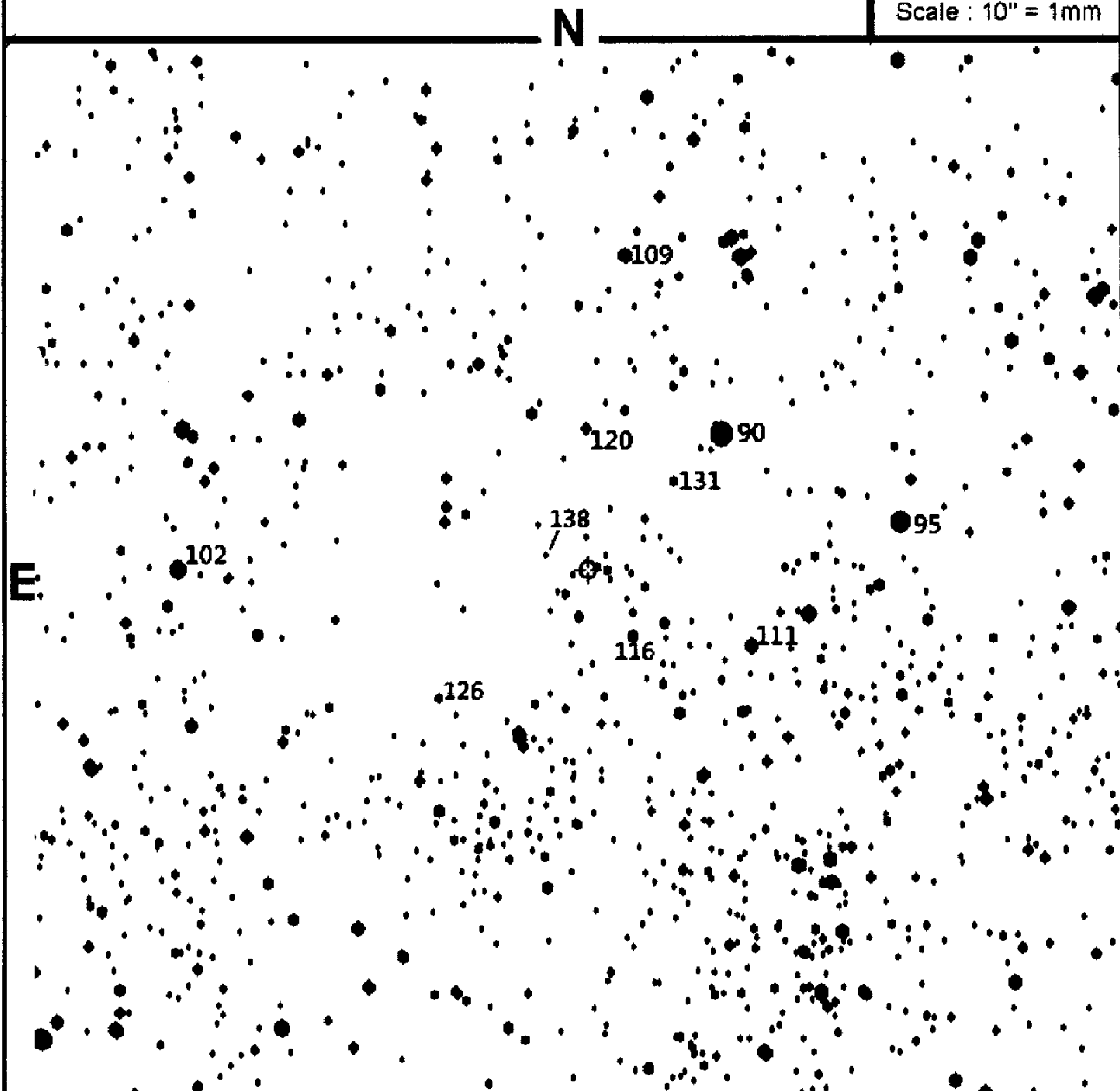
Variable Star Section, RASNZ

73-A00015(e)

175130 (Nova) Scorpii 2008 V1309 Scc

(2000) 17:57:32.93 -30:43:10.3
N?. 9.6C-? Spect?

Scale : 10" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V- Hippar/Tycho-2 + ASAS-3

(C) 2008

MM 2008 08 04

Matt Morel

From: "Matt Morel" <mmorel7@bigpond.com>
To: "A. Plummer" <info@aplummer.com.au>; "nicktown" <nicktown7@bigpond.com>; "Alan Gilmore" <alan.gilmore@camdenbury.ac.nz>; "Albert F Jones" <afjones@bs.co.nz>; "Bernard Heathcote" <bd.heath@bigpond.net.au>; "Berto Morand" <LAGMorand@nrlisa.org>; "Bill Allen" <whalien@xtra.co.nz>; "Bruce Sumner" <bruce.sumner@iportal.com>; "David Nicholls" <don@dnicholls.com>; "Fraser Farrell" <fraser@internode.on.net>; "Pauline Loader" <rasnzweb+vsstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dds.net.au>; "Peter Williams" <pete_williams@cc.nykla.com>; <pmwilliams@australia.com.au>; "Rod Stubblings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Howell" <sh@xtra.co.nz>; "Steve and Kathy Kerr" <skerr@livel.net.au>; "W. Liller" <wllier@compuserve.com>; "Alexandre Amorim" <costeira1@utopia.com.br>

Sent: Saturday, 6 September 2008 9:52 PM
Attach: Nova_Sco.jpg
Subject: VSM 184 : Nova Sco 2008

VSM 184 : 2008 September 6.

Object : 1757.30 ... Sco = Nova Sco 2008

Posn: (2000) 17:57:32.93 -30:43:10.3

Type : Nova

V13e9 Sco

According to <vstar-alert 10512> this object (confirmed as a nova) has been probably been caught on the rise. The star has apparently been seen at 7.4 (unfiltered CCD), which may translate to about 8.0v. Therefore a sequence of bright comparison stars has been selected, as follows:

Star	RA2000	DEC2000	V	err	B-V	err	S	HD
48	17:49:10.47	-31:42:11.5	4.80	0.004	-0.03	0.023	H	161840
67	17:51:12.55	-30:33:24.7	6.70	0.010	0.03	0.003	H	162220
70	17:52:17.07	-31:19:41.2	6.97	0.012	1.30	0.021	H	162415
76	17:55:44.95	-30:34:18.1	7.64	0.013	0.02	0.017	H	163106
83	17:57:31.97	-31:00:54.2	8.26	0.020	0.20	0.017	H	163454
85	17:59:22.87	-30:38:41.8	8.49	0.012	-0.03	0.016	T2	163803

Chart : The attached chart is a "v" chart, scale 60" = 1mm, height 3 degrees.
 Regards,

Matt Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

6/09/2008

VSM 184

Variable Star Section, RASNZ

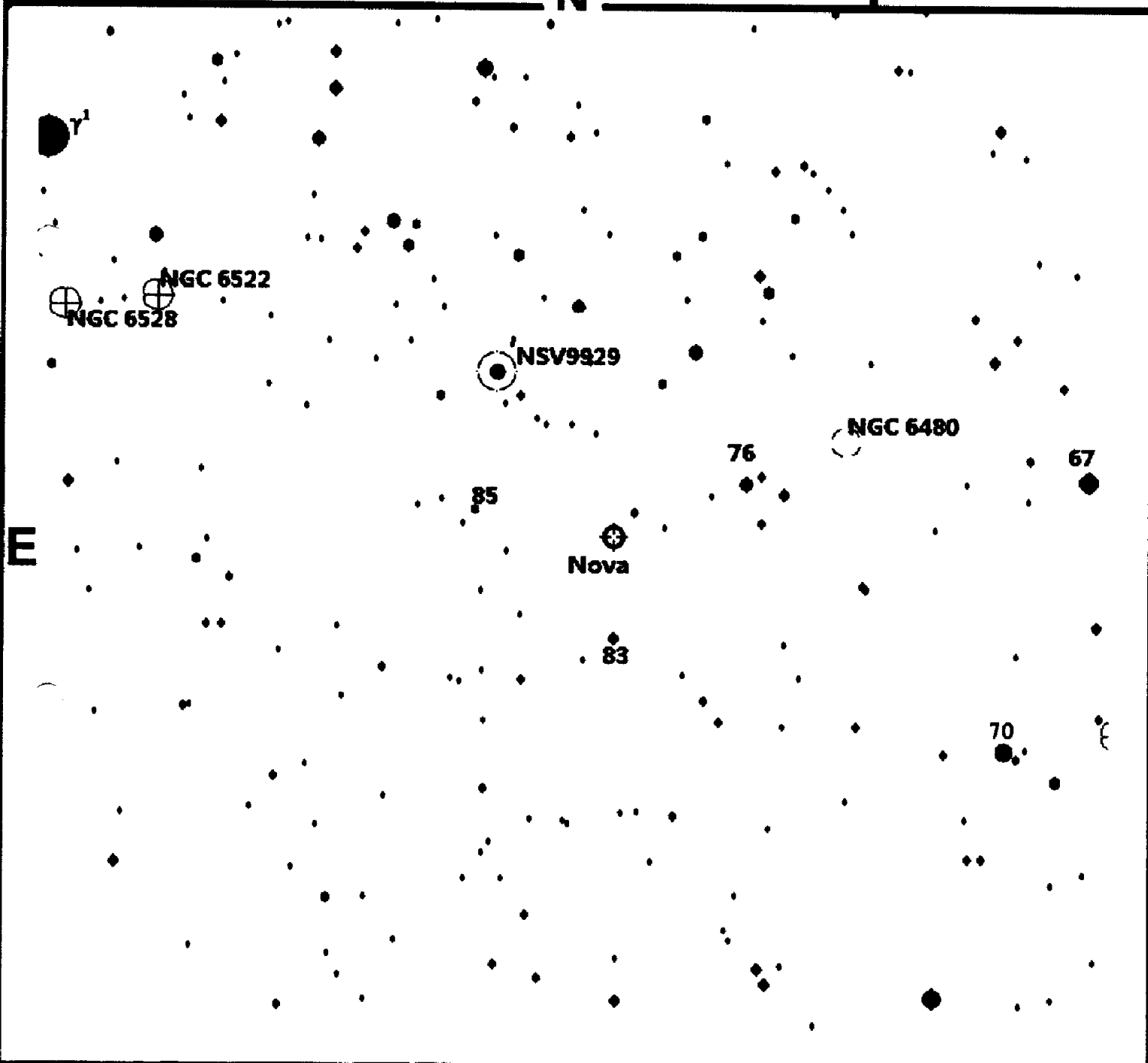
73-A00015(b)

175130 Nova Scorpii 2008 V1309 Sco

(2000) 17:57:32.93 -30:43:10.3
N? 9.6C -? Spect ?

Scale : 60" = 1mm

N



Guide 8 plot : GSC-ACT

Equinox : 2000

Mags: V - Hipp./Tycho-2

(C) 2008

MM 2008 09 04

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
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Sent: Sunday, 14 September 2008 9:51 PM
Attach: Nv_CEN08_E.png
Subject: VSM 185 : (Nova?) Cen 2008

VSM 185 : 2008 September 14.

Object : 1427-63 Nova (?) Cen 2008

Posn: (2000) 14:35:02.54 -64:06:20.0

Type : Possible nova. Awaiting confirmation?

This object was discovered at about the same time as Nova Sco 2008 = V1309 Sco, but does not appear to have been given a final variable star name. Possibly spectroscopic confirmation is lacking, which is usually required before the GCVS team assigns a name. In any case, the attached chart provides an extended sequence.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

V1212 Cen

15/09/2008

Variable Star Section, RASNZ

19-A00014(e)

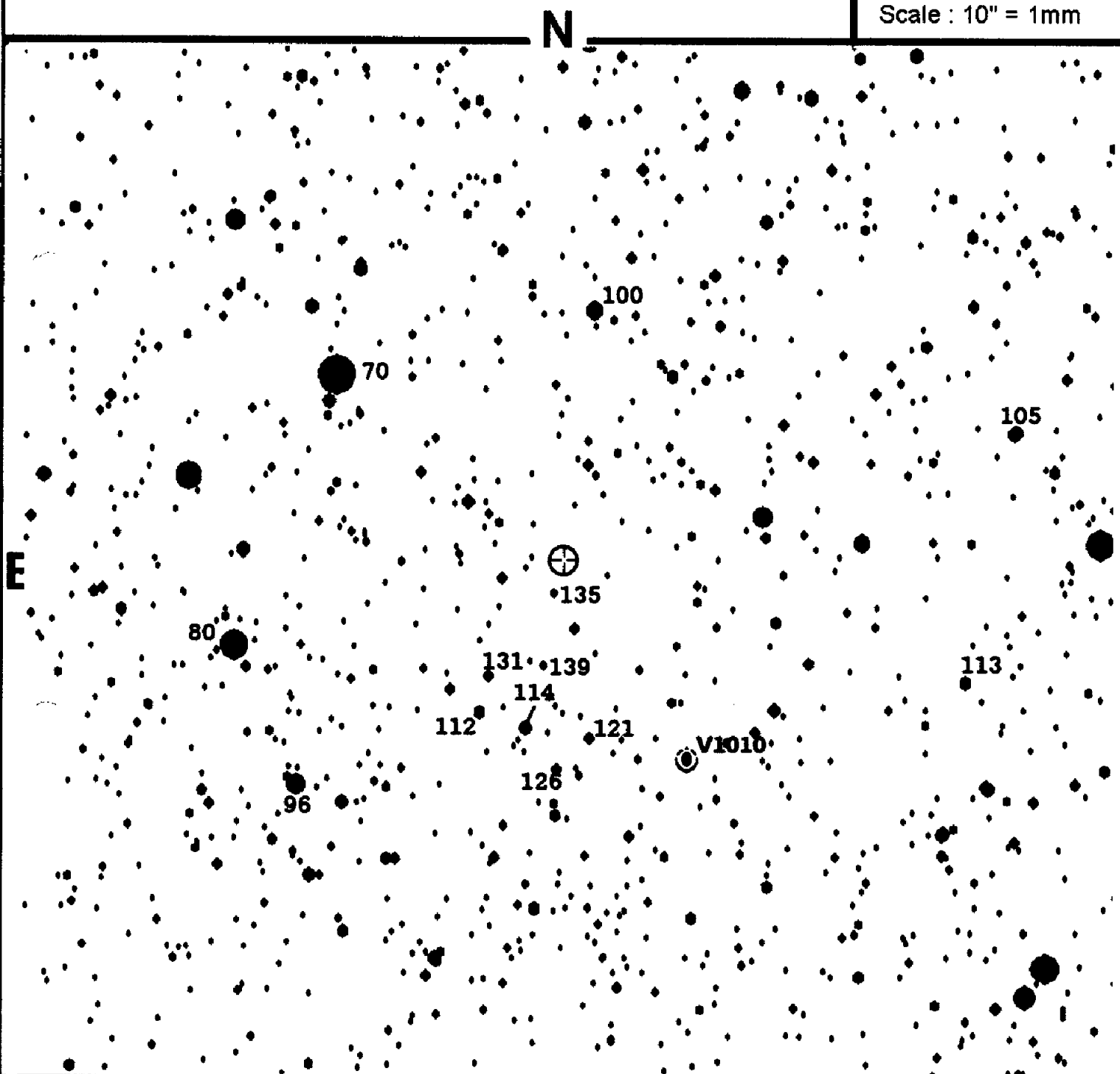
142763 Nova Centauri 2008

V1212 Cen

(2000) 14:35:02.54 -64:06:20.0

N. 8.38V - ? Spect. ?

Scale : 10" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Hipp. / Tycho-2 + ASAS-3

Mati Morel

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 To: "A Plummer" <info@alplummer.com.au>; "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Berto Monard" <LAGMonard@nmisa.org>; "Bill Allen" <whalien@xtra.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@donicholls.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; "pfwilliams@onaustralia.com.au"; "Rod Stubbings" <stubbo@sympac.com.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Stephen Hovell" <srh@xtra.co.nz>; "Steve and Kathy Ken" <srkak@inet.net.au>; "W.Liller" <lliller.wm@gmail.com>; "Alexandre Amorim" <coateira1@tutopia.com.br>
 Sent: Friday, 3 October 2008 2:18 PM
 Attach: Nova_Mus08_d.png
 Subject: VSM 186 : 2008 October 3.

VSM 186 : 2008 October 3.

Object : 1309-67 Muscae

Posn: (2000) 13:16:36.44 -67:36:47.8 (P. Nelson)

Type : Possible nova. Confirmation required.

The initial announcement by discoverer Bill Liller is reproduced here.

--> There seems to be a nova at 13h16m30s -67d37.0' (2000).

--> A pair of photos taken on Sept 28, 2008, at 23:57 UT (TechPan + orange filter with 85mm lens) shows a star there at approximate magnitude 8.6.

Nothing was seen brighter than magnitude 11.5 at that position on Sept 15

at 0:33 UT or at any earlier time in my survey.

Confirmation observations have been posted by Peter Williams and Peter Nelson.

A 'd' scale chart is attached. The faintest star in the sequence, 137v, is approximate.

The ASAS-3 value differs slightly, but is rather noisy.

The full sequence will be uploaded to AAVSO.

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

QY Mas

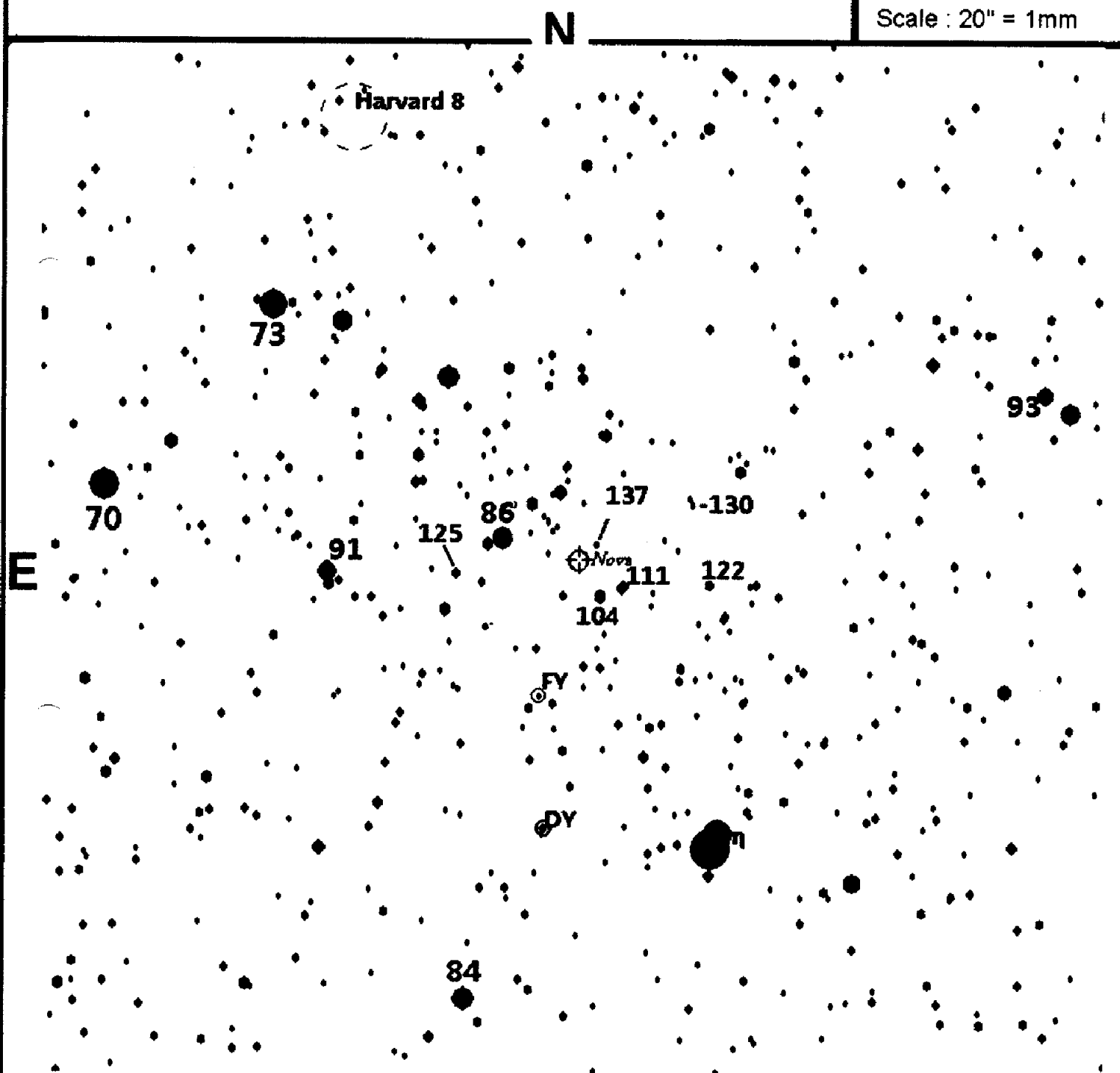
14/11/2008

130967 Nova Muscae 2008

(2000) 13:16:36.44 -67:36:47.8

N? 8.6 - ? Spect. ?

Scale : 20" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Hip/Tycho-2 + ASAS-3

Mati Morel

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 To: "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonard@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@alplummer.com.au>
 Sent: Sunday, 30 November 2008 6:15 PM
 Attach: Nova_Car_08_d.png
 Subject: VSM 187: Probable Nova in Carina

VSM 187 : 2008 November 30.

Object: Probable nova - Car

Posn: (2000): 11:13:54 -61:14:00

Discovery details: As below, from the "Pi in the Sky" system.

V679 Car

"Pi of the Sky" automatic trigger has detected a new object in the sky at (2000) RA = 11 13 54, DEC = -61 14 00 (pixel size is 36").

No known variable star or minor planet is present at this position.

Preliminary photometry (CCD with IR-cut filter passing 390-690nm):

Time UT	magnitude	source
20081126.26	7.91 C	"Pi of the Sky"
20081126.26	7.91 C	"Pi of the Sky"
20081126.27	7.89 C	"Pi of the Sky"
20081127.25	7.55 C	"Pi of the Sky"
20081127.26	7.55 C	"Pi of the Sky"
20081127.26	7.54 C	"Pi of the Sky"
20081127.26	7.56 C	"Pi of the Sky"
20081127.27	7.55 C	"Pi of the Sky"

Best regards,

Katarzyna Malek for "Pi of the Sky" team

<http://gh.fuw.edu.pl>

A sequence and chart have been assembled very promptly by AAVSO. I won't attempt to reproduce the entire sequence, which is available from VSP, and the new object has yet to be confirmed spectroscopically. See AAVSO Special Notices #134, 135 & 136.

Bright novae are fairly uncommon in Carina; the only other bright one was RS Car = Nova Car 1895, which happens to lie close by, in terms of arcminutes. See RASNZ chart 173, which shows the general region. The new object is about 15' SE of EM Car.

The compact open cluster NGC 3603 lies only a few arcminutes east of the new object.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

Improved Position. Nova Car 2008.

(2000) 11 13 53.78 -61 13 48.2 $\pm 0".4$ G.Boit. NOMAD+UCAC211 13 53.82 -61 13 48.3 $\pm 0".4$ G.Boit. LISNO-B1.0

Variable Star Section, RASNZ

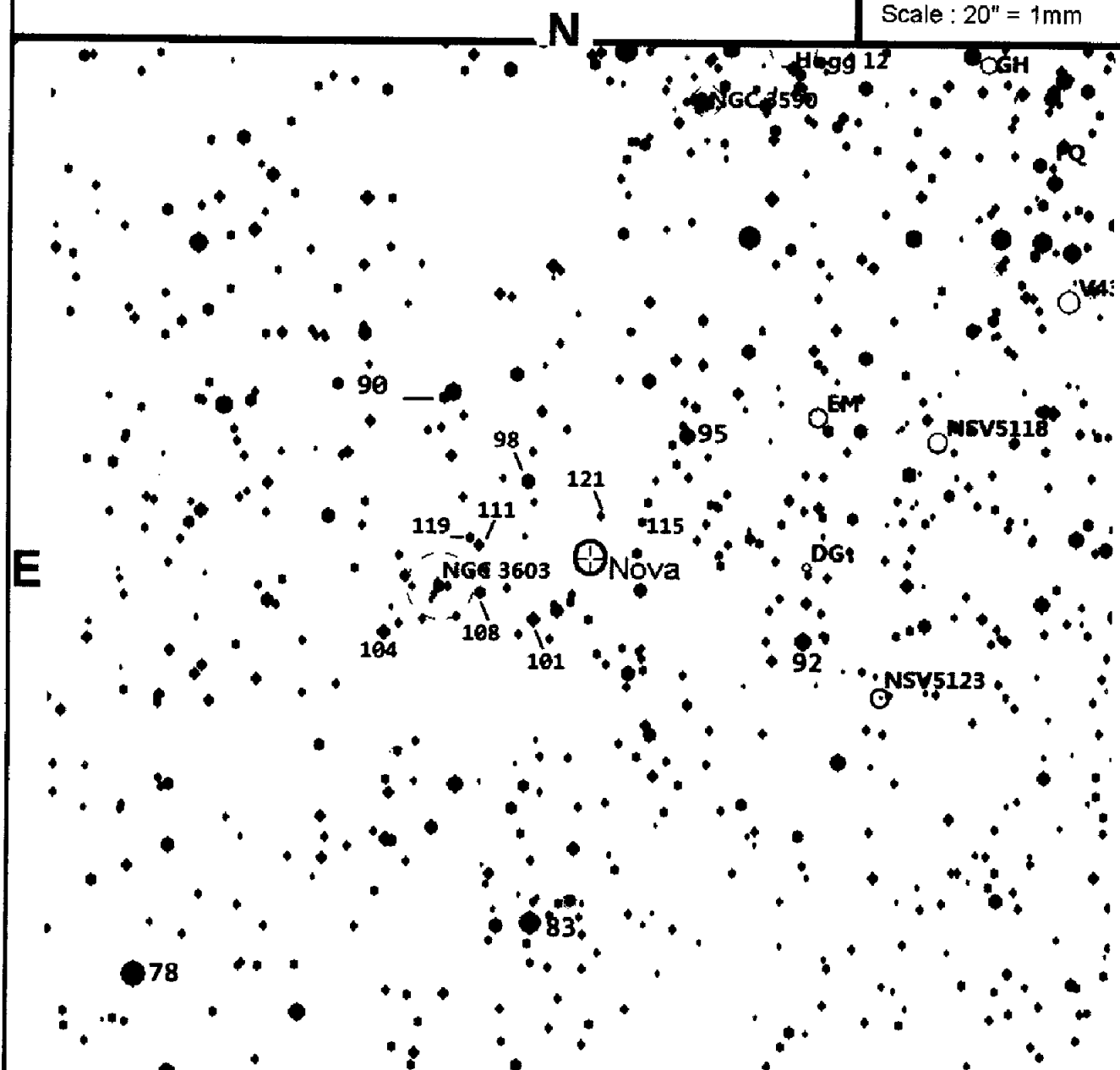
17-A00017(d)

110960 Nova Carinae 2008

V679 Car

(2000) 11:13:54. -61:14:00
N. 7.54C - Spect. ?

Scale : 20" = 1mm



Guide 3 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V, GCPD + ASAS-3 (AAVSO VSP).

(C) 2008

MM 2008 29 30

Mati Morel

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 Sent: Monday, 1 December 2008 8:16 PM
 Attach: N_Sgr_08_2_d.png
 Subject: VSM 188 : 1815-28 Nova Sgr 2008 No. 2

VSM 188 : 2008 December 1.

Object : 1815-28 Nova Sgr 2008 No. 2
 Posn: (2000) 08:22:00 -28:03.0

V5580 Sgr

From CBET 1591 comes the following report (in part):
 PROBABLE NOVA IN SAGITTARIUS

W. Liller, Vina del Mar, Chile, reports his discovery of an apparent nova (mag approximately 8.0) on two photographs taken with Tech Pan film and an orange filter on Nov. 29.040 UT; the variable was also present on Nov. 23.037 at approximate magnitude 10.3 but was not visible (mag > 11.0) on Nov. 20.035. The new object is located at R.A. = 18h22m.0, Decl. = -28d03' (equinox 2000.0). Liller adds that a pair of objective-grating spectrograms (yielding 44.0 nm/mm at H-alpha) taken on Nov. 30.013 clearly shows that the variable has a very strong H-alpha emission with a FWHM of approximately 2500 km/s, quite typical of a classical nova several days past maximum.

The field is slipping into evening twilight, so the observing season for this object will be short. The attached chart should be adequate, assuming nothing extraordinary happens...

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

Better Posn.

(2000) 18^h 22^m 01^s.39 ± 0.05^s -28° 02' 39".8 ± 0.7 Liller

18 22 01.50 ± 0.03 -28 02 39.6 ± 0.5 G.W. Christie
 +
 T. Natasch

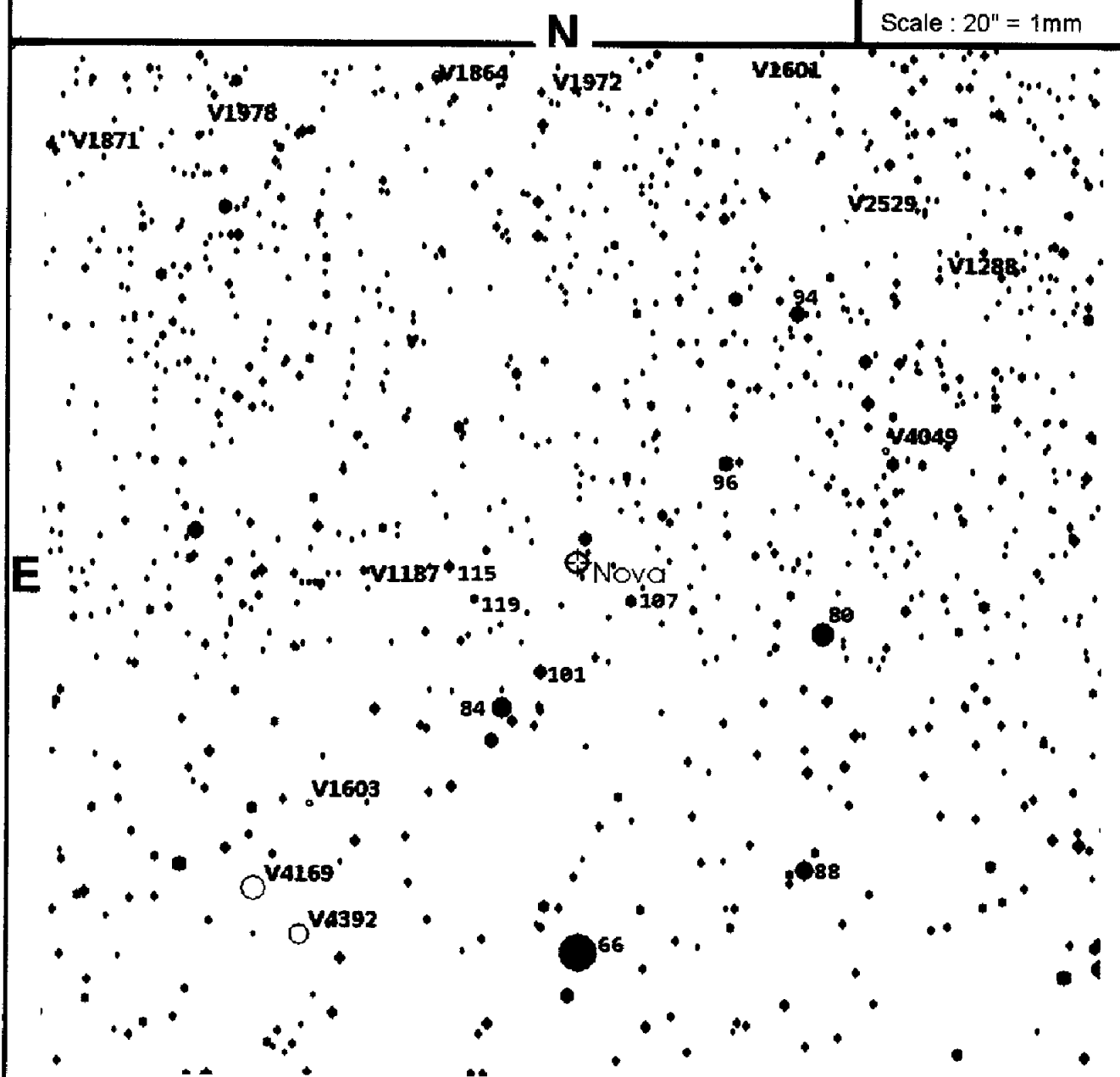
18/02/2009

Variable Star Section, RASNZ

72-A00018(d)

181528 Nova Sagittarii 2008 No. 2 *V5580 Sgr*(2000) 18:22:00 -28:03.0
N. 7.8 - ? Spect. Pec.

Scale : 20" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V · Tycho-2 + ASAS-3

(c) 2008

MM 2008 12 01

18/02/2009

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
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 Sent: Saturday, 7 February 2009 7:38 PM
 Attach: Novalmc2.png
 Subject: VSM 189 : 0540-66 Nova LMC 2009

VSM 189 : 2009 February 07.

Object: 0540-66 Nova LMC 2009

Posn.: (2000) 05:40.7 -66:40

Type : Possible nova? Possible CV?

Discovered by Bill Liller at mag. 10.6 on Feb. 5.067UT (unfiltered Kodak Tech-Pan film).
 Nothing could be seen, brighter than 14.0 on Jan 31.065UT. The position is very close to Nova LMC 1971b = LMC V3958 and the two objects may be same. Also, there is the possibility of the outburst being an indicator of a CV-type object, rather than a nova.

Regards,
 Mati Morel
 E151:38:33
 S32:46:47
 mmorel7@bigpond.com

Precise Position.

(2000) $5^h 40^m 44^s.20$ $-66^\circ 40' 11''.6$
 $\pm 0.1''$ $\pm 0.1''$

H. Bond STS<I

Five nearby USNO-
 NOMAD stars.

5 40 44.20 -66 40 11.3

T. Bohlson, Armidale,
 NSW.

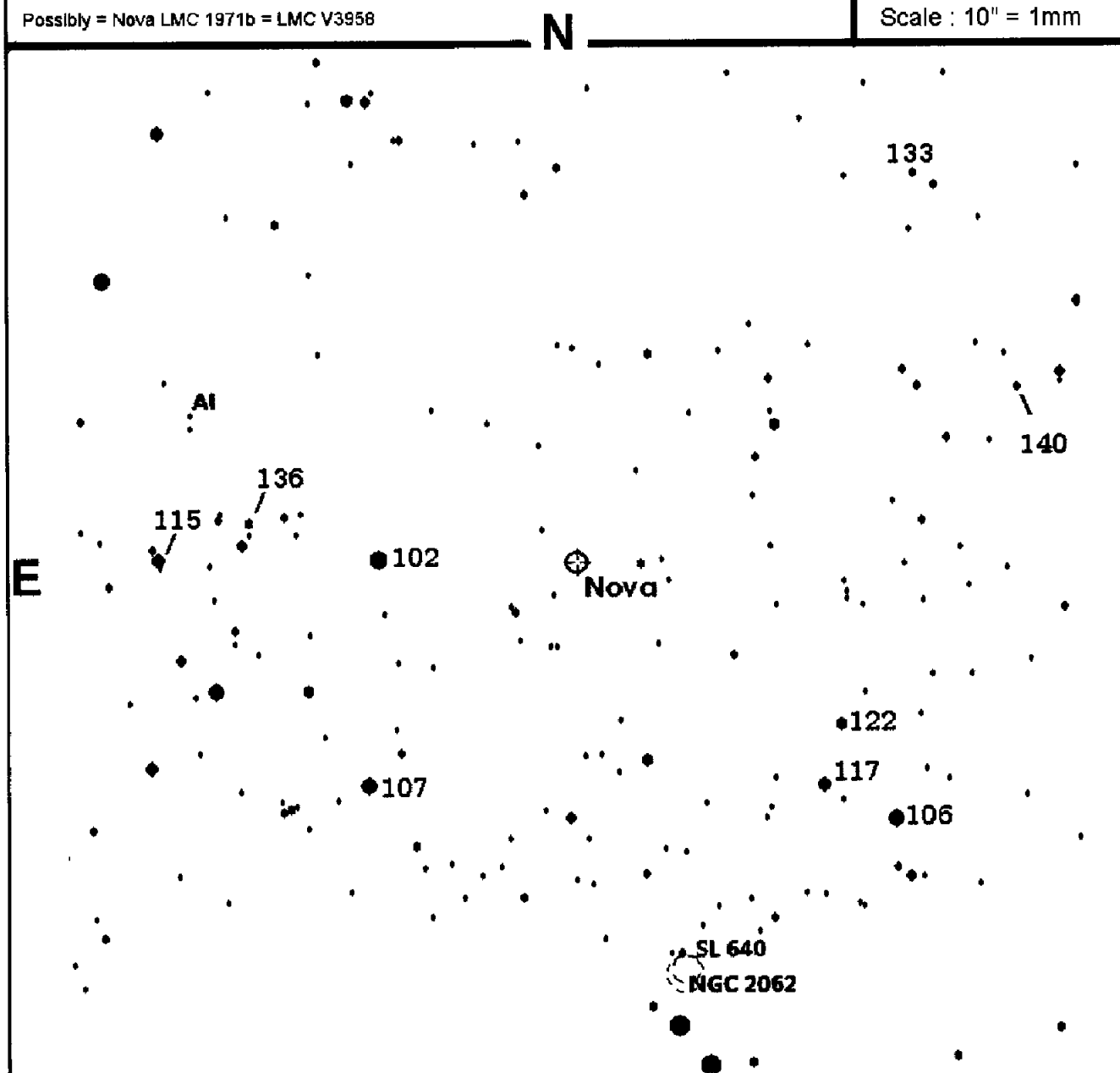
Variable Stars South, RASNZ

89-V00019(e)

054066 Nova LMC 2009(2000) 05:40:42 -66:40.0
NR? 10.6 - ? Spect. ?

Possibly = Nova LMC 1971b = LMC V3958

Scale : 10" = 1mm



Guide 8 plot : GSC-ACT

Equinox : 2000

Mags: Grothues et al, 1993, 1997

(C) 2009

MM 2009 02 07

Mati Morel

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Cc: "Bomber2 Panther" <outbackmanyep@hotmail.com>
Sent: Wednesday, 6 May 2009 5:50 PM
Attach: N_SGR09_1.png
Subject: VSM 190: Nova Sgr 2009

VSM 190. 2009 May 6.

Object: 1737-26 Nova Sgr 2009
 Posn: (2000) 17:44:08.44 -26:05:48.7
 Type: Nova

V5581 Sgr

An announcement from IAUC 9041 reports the discovery of a nova in Sagittarius by K. Nishiyama and F. Kabashima (Japan) on an unfiltered CCD patrol image. Reported mags from IAUC 9041 are as follows:

Apr. 16.374 UT	<14.0V ASAS-3
Apr. 18.705 UT	<13.5
Apr. 19.304	12.4V ASAS-3
Apr. 21.681	12.5
Apr. 21.711	11.7
Apr. 22.332	13.4V ASAS-3
Apr. 22.720	11.7
Apr. 23.760	12.3
Apr. 25.285	13.6V ASAS-3
Apr. 25.683	12.2
Apr. 27.815	12.4
Apr. 28.8	V=13.7, R=12.9, I=10.6
Apr. 30.293	<14.0V ASAS-3

The sequence on the attached chart comes from ASAS-3 (down to 14.4) and then CMC14 for the rest. This sky region is somewhat reddened - the nearby globular cluster Pal 6 suffers from an extinction of 1.46mag in B-V. Take the visual sequence as provisional of course, as some of the comparison stars will be somewhat redder than usual.

The chart scale is 5"/mm, so it covers a field 15'x15'.

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

6/05/2009

VSM 190

Variable Stars South, RASNZ

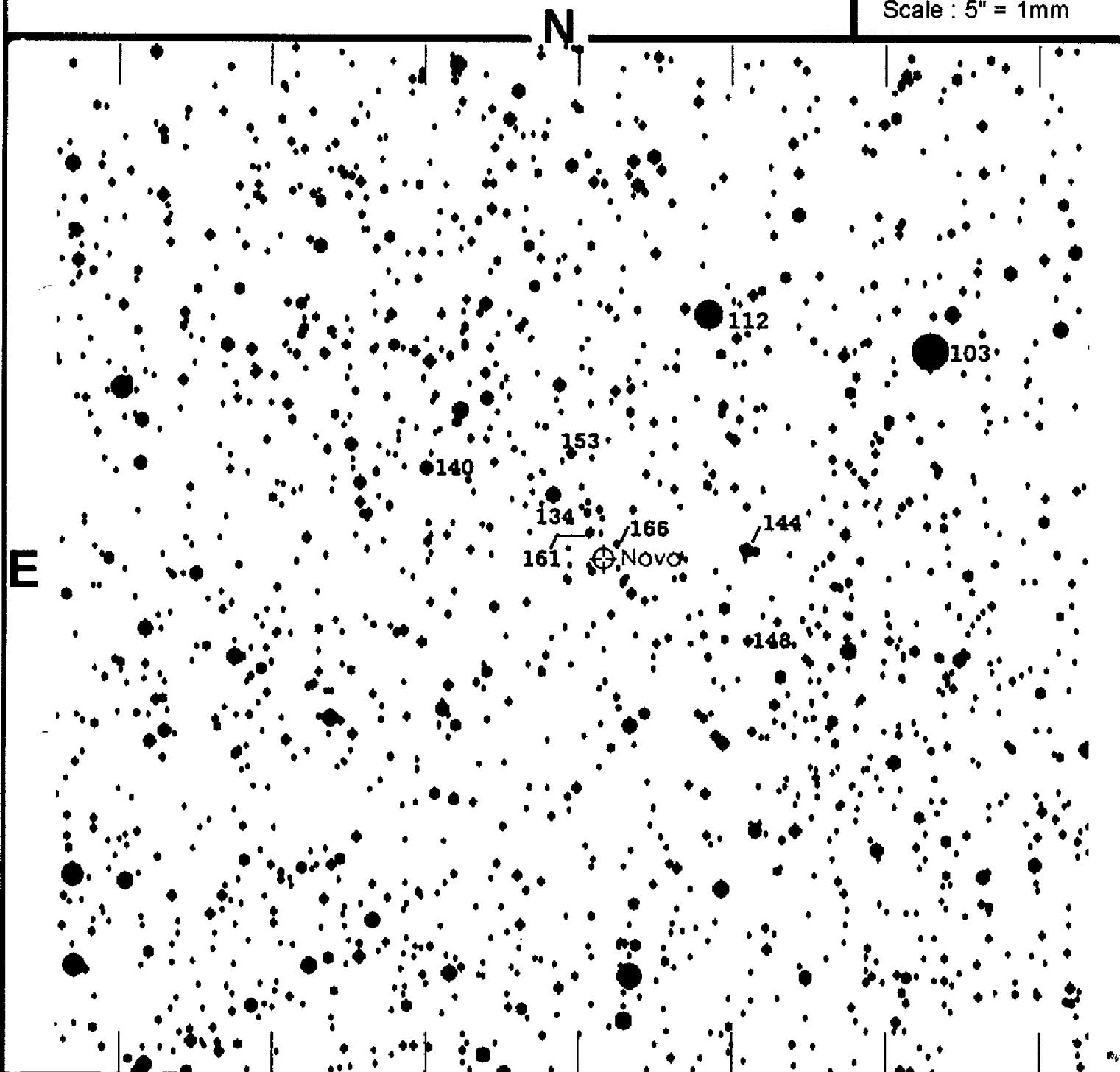
72-A00020(f)

173726 Nova Sgr 2009

V5581 Sgr

(2000) 17:44 08.44-26:05 48.7
N. 11.7 - <14.0 Spect. ?

Scale : 5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - ASAS-3 +CMC14

(C) 2009

MM 2009 05 06

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Tom Richards" <tom@woodridgeobsy.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <skk@iinet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@aplummer.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsi.net.au>; "Peter Williams" <peter_williams@oc.nyline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovell" <sh@xtra.co.nz>; "W.Liller" <lliller.wm@gmail.com>
Cc: "Paul Camilleri" <paully71@bigpond.com>; "Terry Bohlsen" <terry.bohlsen@bigpond.com>; "Bomber2 Panther" <outbackmanyep@hotmail.com>
Sent: Thursday, 7 May 2009 8:12 PM
Attach: N_LMC_09_#2.png
Subject: VSM 191 : Possible nova in LMC

Object : Nova(?) LMC 2009 No. 2

Position : (2000) 05:31.4 -67:06

Mags: April 23.01 UT <14.0

May 04.994 12.1

William Liller, of Vina del Mar, Chile, reports the discovery of a possible nova in the LMC. The object was recorded at mag 12.1 on two exposures of Kodak Tech Pan film (unfiltered). Nothing was seen brighter than 14.0 on April 23.01.

The attached chart will get you started. A precise position is urgently needed; please advise if one can be secured.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

7/05/2009

Variable Stars South, RASNZ

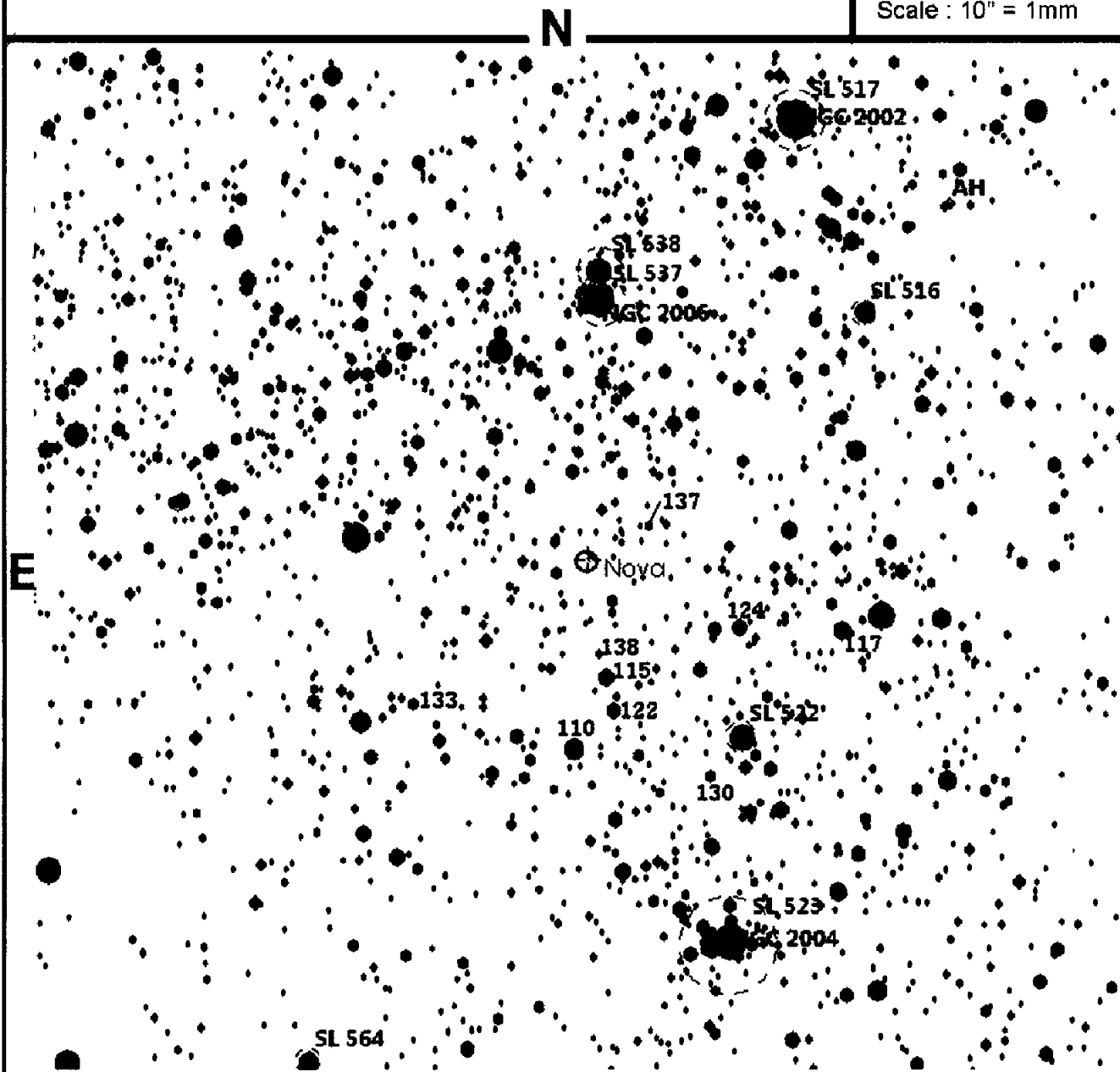
89-A00021(e)

053167 Nova LMC 2009 No. 2

(2000) 05:31.4 -67:06

N. 12. - ? Spect. ?

Scale : 10" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V-GCPD + (CDS) II/236

(C) 2009

MM 2009 05 07

7/05/2009

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Bomber2 Panther" <outbackmanyep@hotmail.com>; "Terry Bohlsen" <terry.bohlsen@bigpond.com>; "Tom Richards" <tom@woodridgeobsy.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@aiplumner.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <bruce.sumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovell" <srh@xtra.co.nz>; "W.Liller" <filler.wm@gmail.com>
Sent: Thursday, 14 May 2009 8:20 PM
Attach: N_Cen09_f.png
Subject: VSM 192 : 1324-63 Nova Cen 2009

VSM 192 : 2009 May 14
 =====

Object : 1324-63 Nova Cen 2009 = ASAS 133116-6357.6

Type : (Probable) Nova

Posn: (2000) 13:31:15.77 -63:57:38.6 Guido & Sestero

V1213 Cen

Attached is field chart for this object. It is very crowded. The scale of this chart is "1", or 5" = 1mm. No stars brighter than about 10.5 appear, so it is suggested you use the sequence posted on AVSON, until the nova falls within range. The full sequence, from 7.1 to 13.6, will be sent to AAVSO, and should become available from the VSP system, within hours of receipt.

The nova in fact falls near/within a standard photoelectric sequence, Cen II, set up many years ago by Bok, Bok and Miller (Astron. J. 77,733, 1972). Their sequence stars are in the range 7.09 - 14.69V (20 stars), but are fairly widely scattered.

Regards,

Mati Morel

E151:38:33

S32:46:47

mmorel7@bigpond.com

Variable Stars South, RASNZ

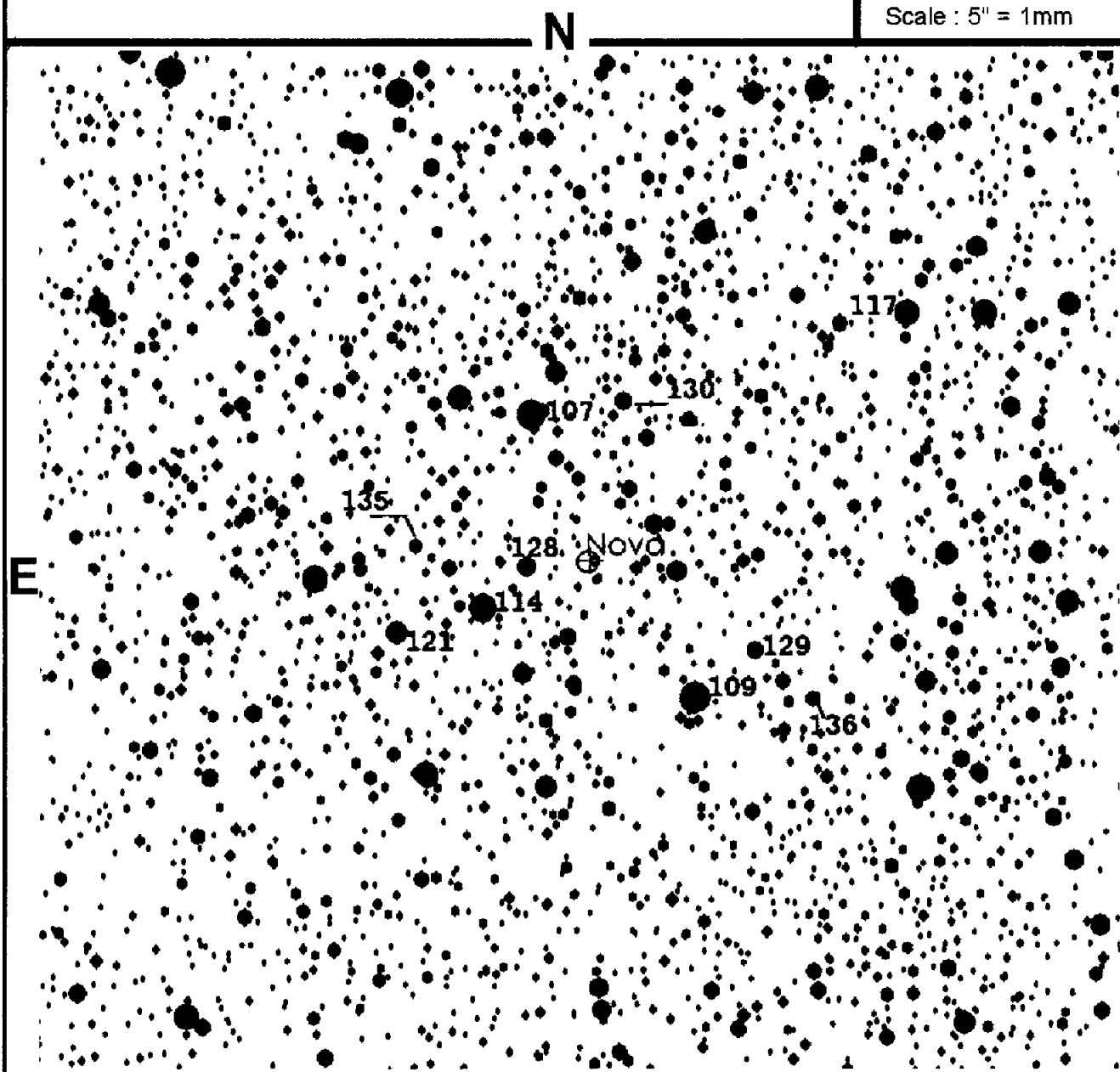
19-A00022(f)

132463 Nova Cen 2009

(2000) 13:31:15.77 -63:57:38.6

N. 8.5 - <15.0 Spect ?

Scale : 5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2009

MM 20090514

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Tom Richards" <tom@woodridgeobsy.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonard@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@alplummer.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@denicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Howell" <srh@xtra.co.nz>; "W Liller" <lliller.wm@gmail.com>
Sent: Friday, 15 May 2009 7:49 PM
Attach: N_LMC09_2_g.png
Subject: VSM 193 - Deep chart for Liller's possible LMC nova.

VSM 193 : 2009 May 15.
 =====

Object : 0531-67 LMC Nova 2009 #2 = VSX J053126.4-670539
 Posn. (2000) 05:31:26.42 -67:05:39.4 (B. Monard)
 Chart Scale : 2.5" = 1mm

This chart shows the faint end of the V sequence for Liller's possible nova. See VSM 191. DSS images are often used for charts of expanded scale, but definition is sometimes not the best. You may find this plotted chart useful. I have managed to squeeze in the VSX designation preferred by AAVSO. It's a bit long, but at least it's classification-neutral : it doesn't presume the object to be a nova, or anything else.

Regards,

Mati Morel

Variable Souths South.

mmorel7 @ bigpond.com

Variable Stars South, RASNZ

89-A00021(g)

053167 Nova LMC 2009 No. 2

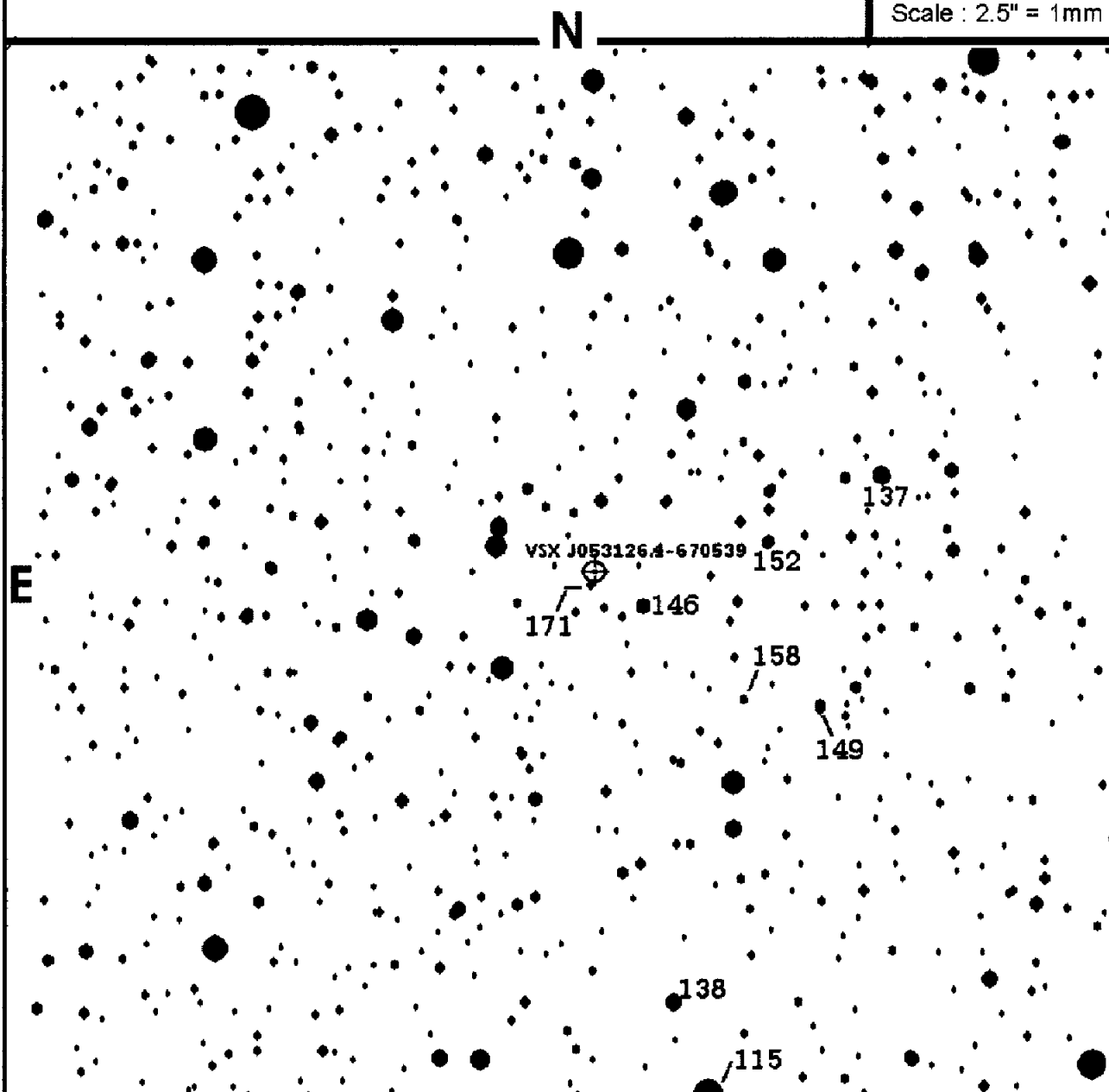
= VSX J053126.4-670539

(2000) 05:31:26.42 -67:05:39.4

N? 11.7 - ? Spect ?

See also VSM 191.

Scale : 2.5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - ASAS-3 + CDS II/236

(C) 2009

MM 2009 05 15

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Tom Richards" <tom@woodridgeobsy.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonard@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "A Plummer" <info@alplummer.com.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovel" <srh@xtra.co.nz>; "W.Liller" <lliller.wm@gmail.com>
Sent: Monday, 1 June 2009 3:55 PM
Attach: V5582_Sgr_g.png
Subject: VSM 194, V5582 Sgr

Object: 1739-20 V5582 Sgr = Nova Sgr 2009 No. 2
 Type: Nova
 Position: (2000) 17:45:05.41 -20:03:21.7
 Magn.: 11.5 - <20
 Discoverers: G. Sun and X. Gao

For some reason (lack of verification?) news of this nova has been very slow to get the attention it deserves. Nevertheless, while on the decline, there is the opportunity to secure estimates of its later stages. This is a crowded, and reddened field. The prominent dark nebula B83a lies to the northeast.

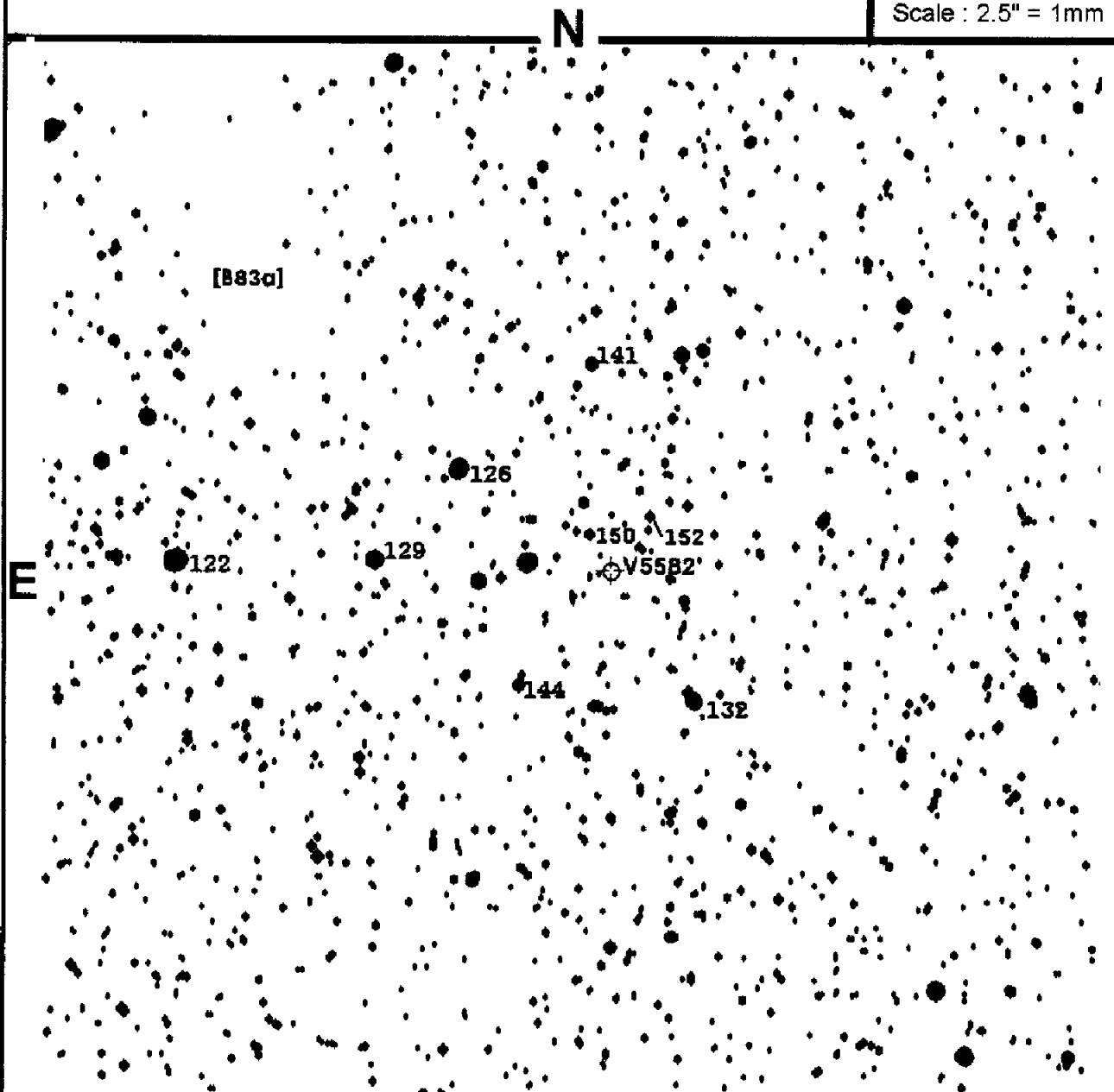
Regards,
 Mati Morel
 Variable Stars South
 mmorel7@bigpond.com

Variable Stars South, RASNZ

72-V05582(g)

173920 V5582 Sagittarii = Nova Sgr 2009 #2(2000) 17:45:05.41 -20:03:21.7
N. 11.5 - ? Spect. ?

Scale : 2.5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - ASAS-3 + CMC14

(C) 2009

MM 2009 08 01

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: <vss-members@googlegroups.com>; "Tom Richards" <tom@prettyhill.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <raxelsen@bigpond.net.au>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard" <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "nickbrown" <nbrown72@bigpond.com>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsi.net.au>; "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovell" <srh@xtra.co.nz>; "W.Liller" <liller.wm@Gmail.com>
Sent: Wednesday, 12 August 2009 10:09 PM
Subject: VSM 195 : Extended V sequence for Nova Sgr 2009 No. 3
 VSM 195 : 2009 August 12

1800-33 Nova Sgr 2009 No. 3
 Posn. (2000) : 18 07 07.67 -33 46 33.9

V5583 Sgr

Extended V Sequence.

No.	(2000)	V	V_err	B-V	Err	S	Remarks
10.	18 06 55.80 -33 43 36.6	10.665	0.019	1.290	na	A	CoD-33 12830
11.	18 07 27.06 -33 45 40.2	11.683	0.042	0.198	na	A	HD 321237
12.	18 06 53.66 -33 46 24.2	12.117	0.053	0.262	na	A	
13.	18 07 22.59 -33 45 33.1	12.250	0.060	0.515	na	A	
14.	18 07 20.80 -33 47 41.7	12.640	na	0.614	na	U	
15.	18 07 29.31 -33 48 22.8	12.666	0.082	0.443	na	A	V=12.616 U
16.	18 06 59.03 -33 49 30.5	13.233	0.089	1.491	na	A	V=13.259 U
17.	18 06 54.77 -33 44 43.1	14.105	0.220	1.307	na	A	V=14.120 U
18.	18 07 08.42 -33 43 27.4	15.003	na	1.208	na	U	

Codes : A =ASAS-3 U =UCAC2

- * B-V values are all derived from 2MASS.
- * The field is reddened. An effort was made to avoid stars with large B-V, but some stars have been used.
- * UCAC2 provides r mags, but I have used the same formula as applied to CMC14 data, to get V, and this appears to give reliable results, as least to the +/- 0.1 level. A few examples appear above in the Remarks column.

Regards,
 Mati Morel
 Variable Stars South
 E151:38:33
 S32:46:47
mmorel7@bigpond.com

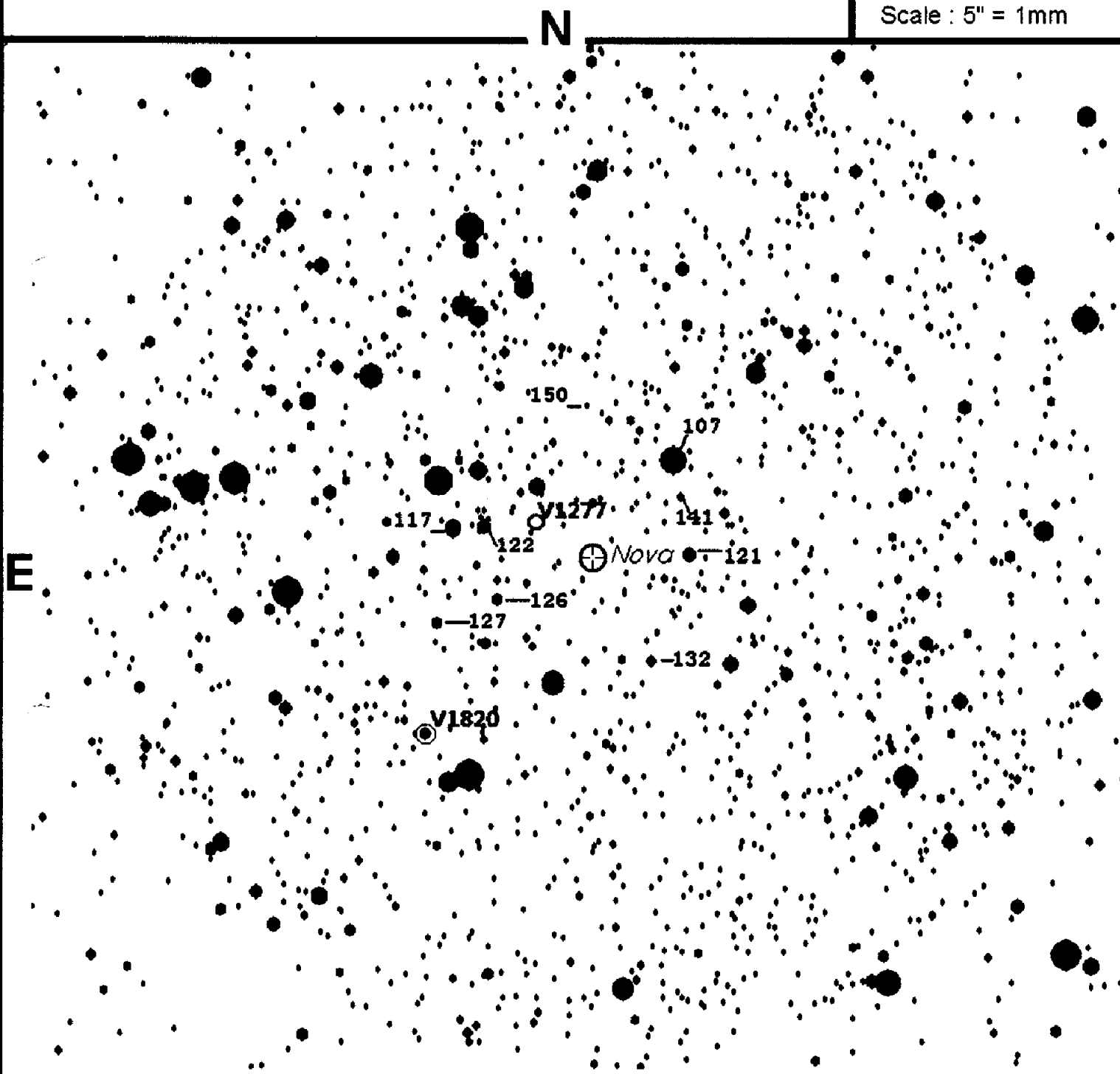
Variable Stars South, RASNZ

72-A00023(f)

180033 Nova Sgr 2009 No.3

(2000) 18:07:07.67 -33:46:33.9
N. 7.75 - <14.0 Spect. ?

Scale : 5" = 1mm



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - ASAS-3 + UCAC2 (converted)

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: <vss-members@googlegroups.com>
Sent: Wednesday, 28 October 2009 8:15 PM
Subject: [VSS-members] Revised sequence/chart for Nova Sgr 2009 No. 4.

VSM 196 : 2009 October 28

Nova Sgr 2009 No. 4.
(2000) 18 31 32.79 -16 19 07.5
Mag. 9.935V - ? ASAS-3
Advice from CBET 1994.

V5584 Sgr
VSX J183132.7 -161907 AUID 000-BJQ-768

This is a very crowded field, and it needs careful examination of a DSS print to pick out good comparison stars. This has been done, and a couple of changes made. Star 9 has been deleted, due

to apparent crowding, and two new stars inserted, 8A and 8B. The revised sequence is reproduced

below. The sequence should suffice till BV data becomes available. A chart showing the field has

been uploaded to the VSS files section; go to www.google.com/group/vss-members/files and look for a chart named N_Sgr_2009#4_e.

I have previously indicated my intention to do so, and by keeping the file size small it shouldn't take up much disk space.

Star no.	RA2000	Dec2000	V	V_err	B-V	B-V_err	S	Name
1.	18 32 18.66	-16 06 10.9	9.381	0.031	0.314	0.031	T2	HD 170884
2.	18 31 49.00	-16 07 11.1	9.716	0.041	0.346	0.043	T2	HD 170762
3.	18 32 00.48	-16 18 40.8	10.514	0.017	0.225	0.070	A+T2	
4.	18 31 42.27	-16 32 24.6	11.100	0.025	0.173	0.116	A+T2	
5.	18 31 08.95	-16 31 09.8	11.305	0.034	NA	NA	A	
6.	18 31 10.46	-16 25 52.8	11.639	0.036	NA	NA	A	
7.	18 31 48.77	-16 19 33.3	11.855	0.040	~~NA~~	~~NA~~	A+T2	
8.	18 31 17.36	-16 16 56.7	12.105	0.064	NA	NA	A	
8A.	18 31 29.40	-16 22 24.7	13.006	0.107	NA	NA	A	
8B.	18 31 41.45	-16 17 31.5	13.817	0.180	NA	NA	A	
10.	18 31 37.59	-16 18 36.2	13.925	0.159	NA	NA	A	

B-V B-V_err
0.026 0.231

Codes:

A = ASAS-3 T2 = Tycho-2

By the way, the AAVSO no longer employs the Harvard Designation number (the six-digit number

which generally preceded the name of the variable), so we may as well follow, unless someone can

provide a good reason for hanging on to it. In future I will tend not to use it.

Regards,

Mati Morel

Variable Stars South

mmorel7@bigpond.com

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To unsubscribe from this group, send email to vss-members+unsubscribe@googlegroups.com

29/10/2009

VSM 196

N

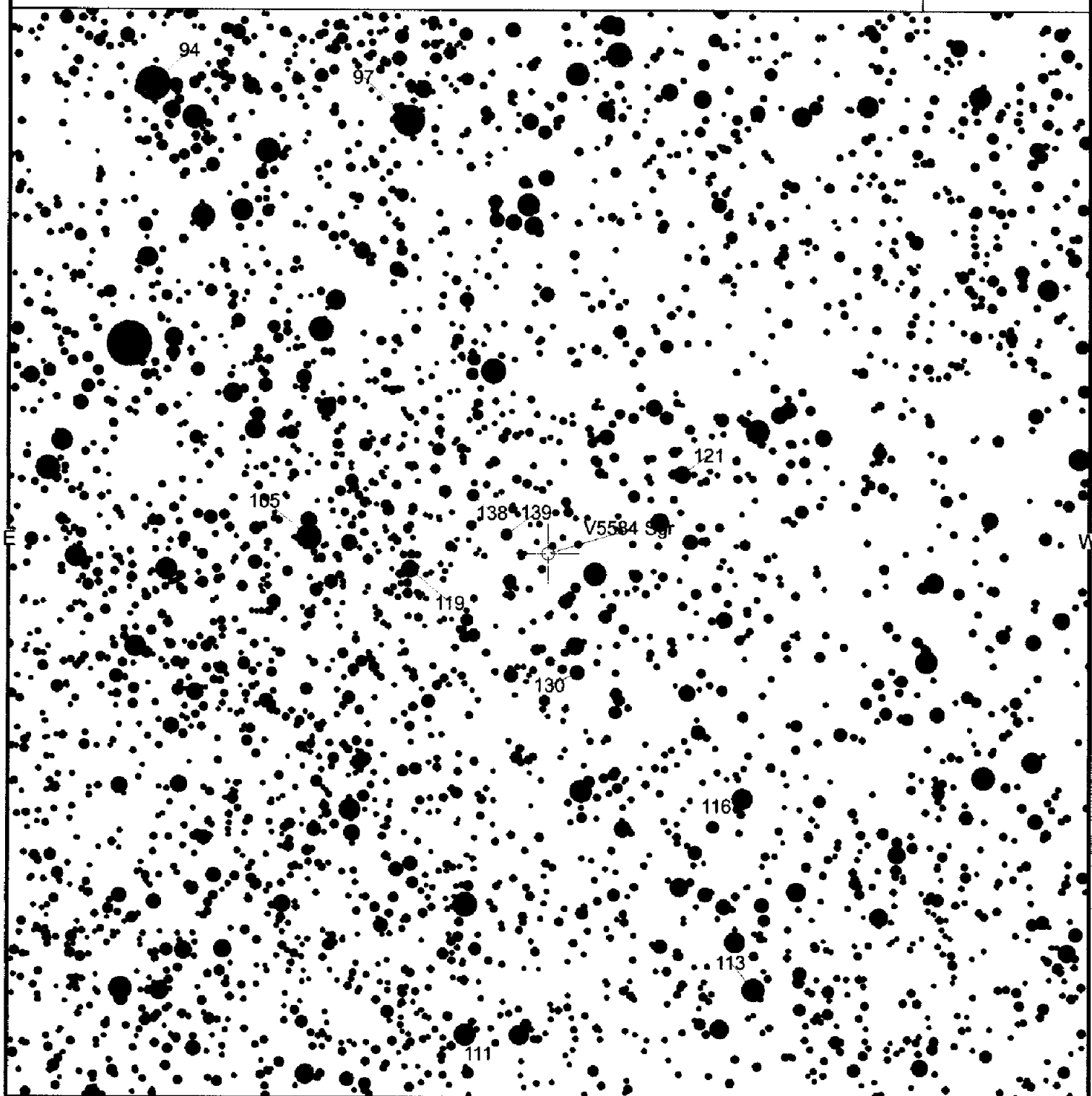
Magn: -
Period:
Type:
Spec:

V5584 Sgr = Nova Sgr 2009 No. 4

(2000) 18:31:32.79 -16:19:07.5

AAVSO
Chart

1405dw



FOV = 30.0'

Please use the photometry table for CCD observations.

<http://www.aavso.org/observing/charts/vsp/>

S

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Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: <vss-members@googlegroups.com>
Cc: <AVSON@yahooogroups.com>
Sent: Monday, 9 November 2009 8:28 PM
Subject: [VSS-members] VSM 197 : Sequence for Nova Scuti 2009

VSM 197 : 2009 November 9. Nova Scuti 2009.

V496 Sct

It's never too late for another nova. From the CBET, a report of a newly found nova in Scutum.

Magnitude about 9. Thanks to Brian Skiff for posting this on the *amastro* list.

(2000) 18:43:45.6 -07:36:42

A sequence of brightish comparison stars is given below. A chart will follow.

Mag	RA2000	DEC2000	V	V_err	B-V	B-V_err	S	Name
84	18 44 27.83	-07 37 06.6	8.381	0.008	0.508	0.003	GC	HD 173202
86	18 43 07.49	-07 43 01.0	8.609	0.023	1.170	0.025	T2	HD 172929
90	18 44 34.66	-07 35 03.2	9.049	0.024	0.407	0.022	T2	HD 173220
95	18 44 57.78	-07 34 26.5	9.496	0.046	0.098	0.026	A+T2	HD 173319
100	18 43 31.99	-07 43 37.6	9.994	0.017	0.346	0.037	A+T2	BD-7 4679
107	18 44 04.26	-07 30 56.8	10.715	0.020	0.642	0.076	A+T2	
111	18 44 08.77	-07 27 52.9	11.086	0.030	0.323	0.074	A+T2	
119	18 43 38.05	-07 33 26.4	11.877	0.053	0.255	0.116	A+T2	
126	18 43 50.22	-07 38 49.2	12.579	0.111	0.700	0.280	A+T2	

Codes: GC = Gen. Cat. of Photometric Data

A = ASAS-3 T2 =Tycho-2

Regards,

Mati Morel

Variable Stars South

mmorel7@bigpond.com

~~~~~  
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For more options, visit this group at <http://groups.google.com/group/vss-members?hl=en>  
 ~~~~~

VSM 197

Variable Stars South, RASNZ

75-A00025(e)

Nova Sct 2009

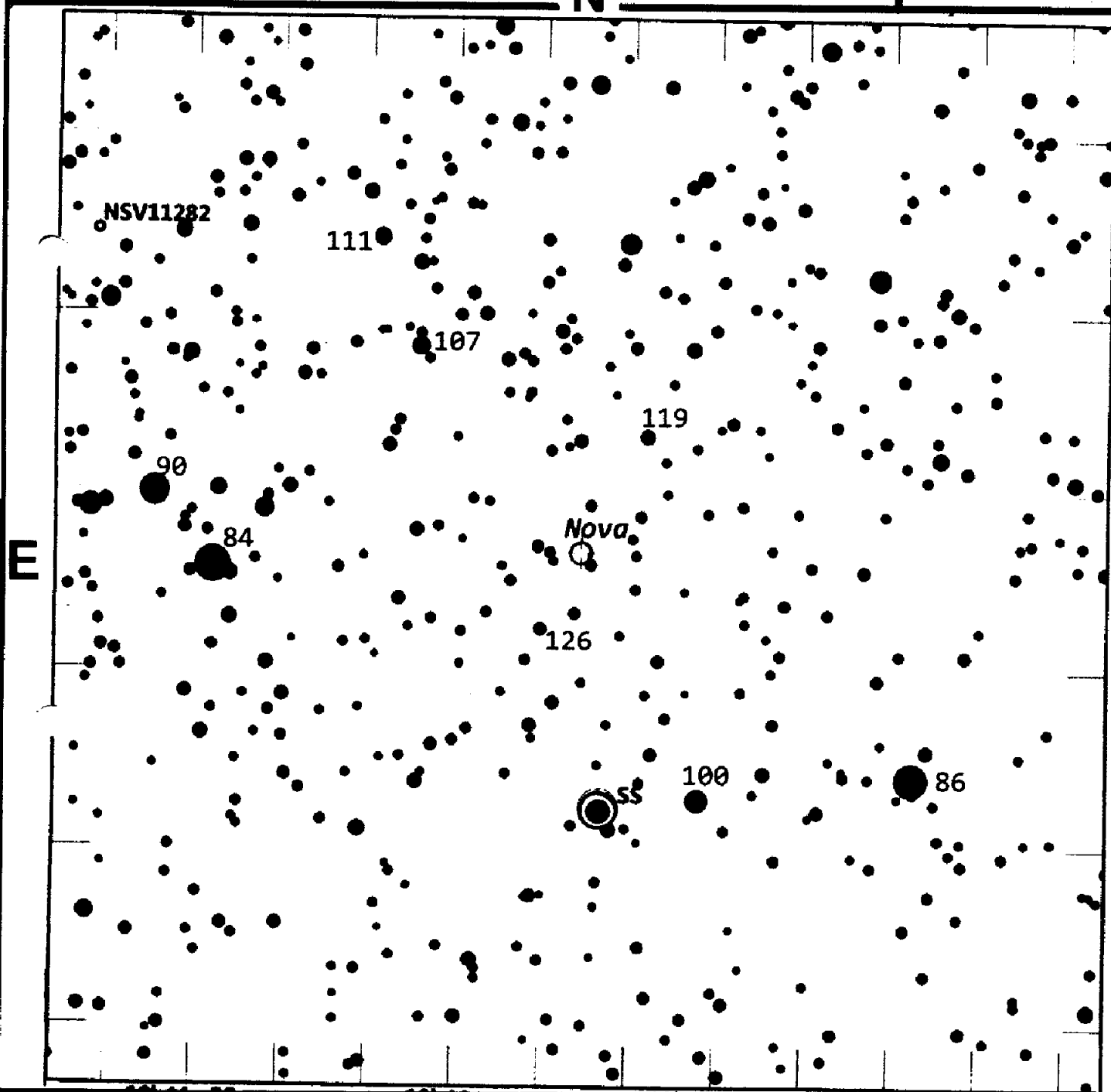
V496 Sct

(2000) 18:43:45.57 -07:36:42.0

N. 9. V - ? Spect ?

Scale : 10" = 1mm

N



Guide 8 plot : GSC-ACT + USNO-A2.0

Equinox : 2000

Mags: V - Tycho-2 + ASAS-3

(C) 2009

MM 2009 11 10

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
To: "Tom Richards" <tom@prettyhill.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <reaxelsen@gmail.com>; "Rod Stubbings" <stubbo@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrel" <fraserf@internode.on.net>; "Berto Monard" <LAGMonar@nmsa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce Sumner" <bruce.sumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>; "Peter Williams" <peter_williams@oc.nytdine.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovel" <srh@xtra.co.nz>; "W.Liller" <wlliller.wm@gmail.com>
Sent: Sunday, 17 January 2010 7:51 PM
Attach: Nova_Oph_2010_d.png
Subject: VSM 198 : Nova Oph 2010
 VSM 198: 2010 January 17.

=====

Nova Oph 2010.

(J2000) : 17h39m40.97s -21°39'47.4"

Mag: 8.2 - ?

Advice from CBET 2128.

S. Nakano, Sumoto, Japan, reports the discovery of a possible nova (mag. 8.4) by Hideo Nishimura

(Miyawaki, Kakegawa, Shizuoka-ken, Japan) on two 13-s frames (lim. mag. 11.0) taken on Jan.

15.857

UT with Canon EOS 5D digital camera

The attached chart shows a provisional V sequence around the nova. The full sequence has been sent to the AAVSO, and one may expect to generate a chart using the VSP. My provisional chart has

also been posted on the VSS-Members website, in the Files section, as Nova_Oph_2010_d.png.

Regards,

Mati Morel

Variable Stars South

mmorel7@bigpond.com

V2673 Oph

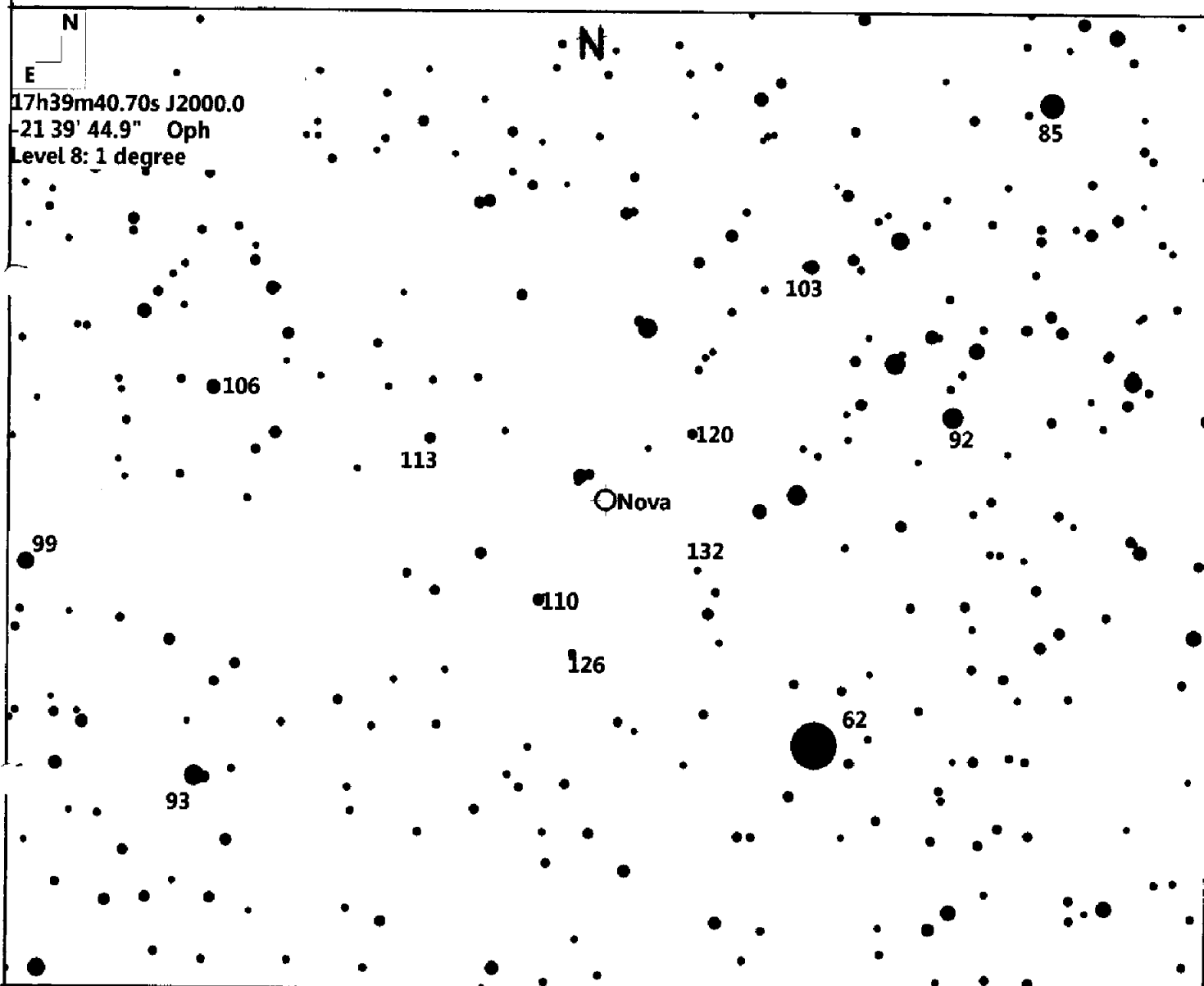
17/01/2010

Nova Ophiuchi 2010

(2000) 17h39m40.97s -21°39'47.4"

Nova 8.2 - ?

Scale : 23" = 1mm



Guide 8 plot. GSC-ACT

Equinox J2000

Mags: V. Hipp./Tycho-2 + ASAS-3

© 2010

MM 2010.01.17

Mati Morel

From: "Mati Morel" <mmorel7@bigpond.com>
 To: "Tom Richards" <tom@prettyhill.org>; "Alexandre Amorim" <costeira1@tutopia.com.br>; "Steve and Kathy Kerr" <srkak@inet.net.au>; "Roy Axelsen" <reaxelsen@gmail.com>;
 "Rod Stubbings" <stubby@sympac.com.au>; "Pearce, Andrew A." <a.pearce@bigpond.com>; "Fraser Farrell" <fraserf@internode.on.net>; "Berto Monard"
 <LAGMonar@nmisa.org>; "Bernard Heathcote" <bd-heath@bigpond.net.au>; "Alan Gilmore" <alan.gilmore@canterbury.ac.nz>; "Albert F Jones" <afjones@ts.co.nz>; "Bruce
 Sumner" <brucesumner@hotmail.com>; "David Nicholls" <dcn@dcnicholls.com>; "Pauline Loader" <rasnzweb+varstar@gmail.com>; "Peter Nelson" <pnelson@dcsl.net.au>;
 "Peter Williams" <peter_williams@oc.nykline.com>; <pfwilliams@onaustralia.com.au>; "Stephen Hovell" <srh@xtra.co.nz>; "W Liller" <iller.wm@Gmail.com>
 Sent: Saturday, 23 January 2010 9:32 PM
 Attach: Nova_Sgr_2010_e.png
 Subject: VSM 199 : Possible nova in Sgr.
 VSM 199 : 2010 January 23.

=====

Possible Nova Sgr 2010.
 Posn: (2000) 18 07 26.79 -29 00 42.8 (Kiyota)
 Mag: 9.0 -

V5585 Sgr

From CBET 2140

POSSIBLE NOVA IN SAGITTARIUS

John Seach, Chatsworth Island, NSW, Australia, reports his discovery of
 a possible nova on three 6-s CCD exposures (limiting mag 11) obtained on Jan.
 20.22 UT with a Nikon D300 camera (+ 50-mm f/1.4 lens + orange filter). The
 variable star is located at R.A. = 18h07m26s, Decl. -29d01' (equinox 2000.0);
 Nothing is visible at this position on his images taken on 2009 Nov. 15.89
 (limiting magnitude 11.5), though several faint stars are located near this
 position on a European Southern Observatory photograph taken in 1987 (via
 the Digitized Sky Survey).

Congratulations to John Seach. Chatsworth Island? Is that near Yamba/MacLean on the north
 coast of
 NSW? First nova to be found from that site, and we hope not the last!
 I'll get the sequence fully documented and sent off to the AAVSO.
 Regards,
 Mati Morel
 Variable Stars South
 mmorel7@bigpond.com

29/01/2010

Variable Stars South

VSM 199.

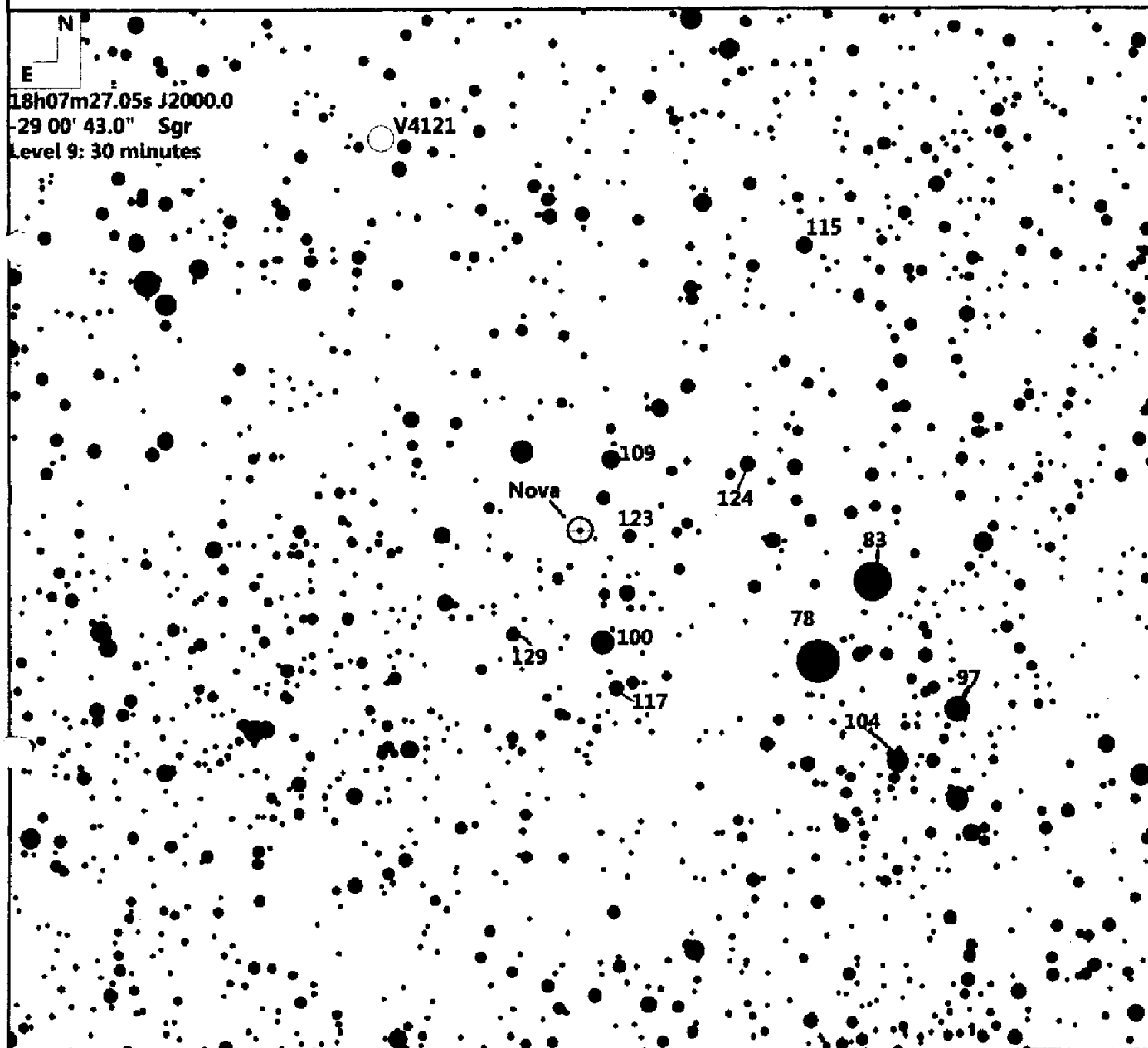
72-A00027(e)

Nova Sagittarii 2010

(2000) 18h07m26.79s -29°00'42.8"

Nova 9.0 - ?

Scale : 10" = 1mm



Guide 8 plot. GSC-ACT & USNO-A2.0

Mags: V. Hipp./Tycho-2 + ASAS-3

Equinox J2000

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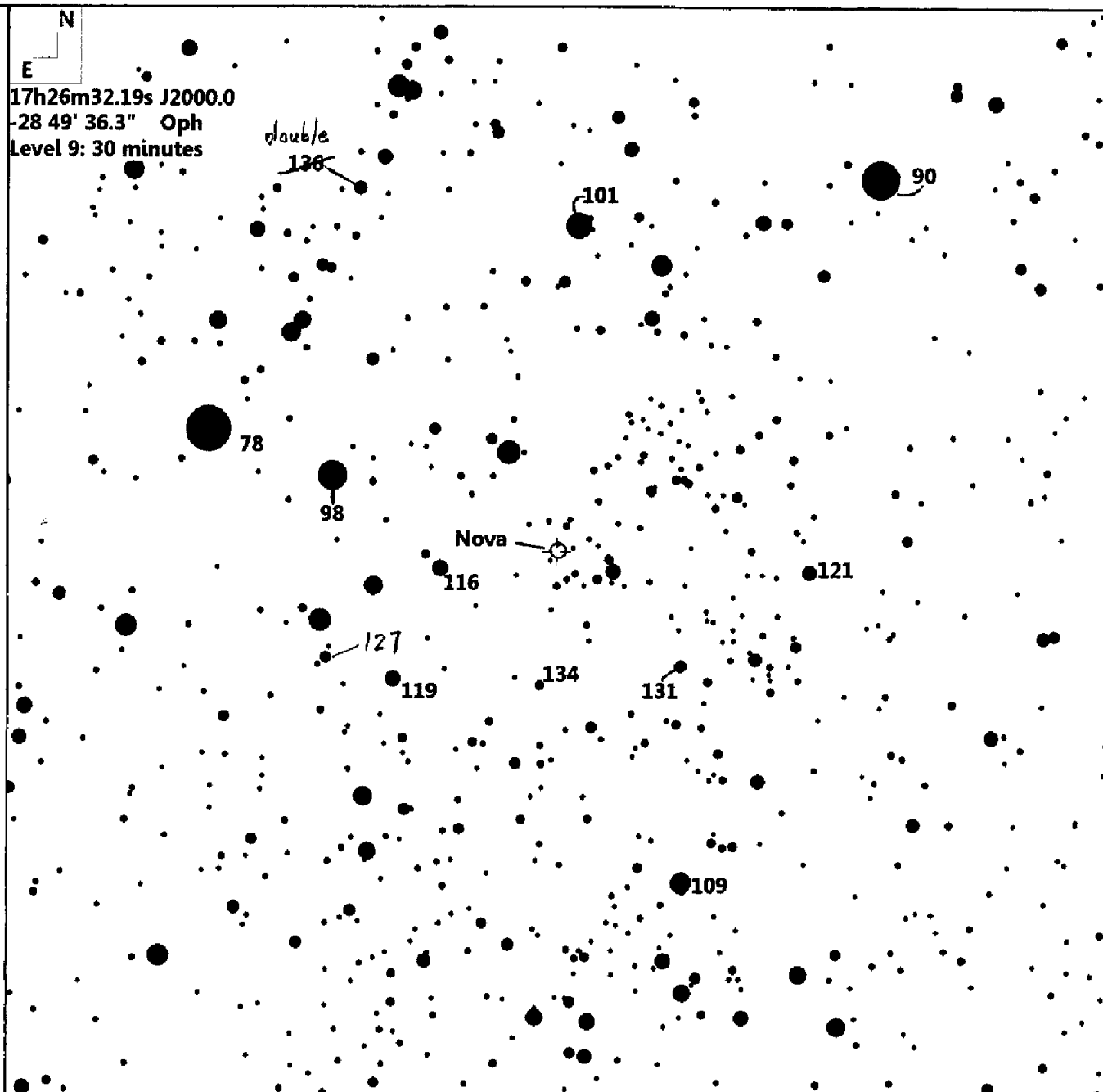
MM 2010.01.22

Nova Ophiuchi 2010 No.2

(2000) 17h26m32.19s -28°49'36.3"

Nova 9.4 - ?

Scale : 10" = 1mm



Guide 8 plot. GSC-ACT + USN-A2.0

Mags: V. Hipp./Tycho-2 + ASAS-3

Equinox J2000