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Chart scales: 'b' 60"=1mm; 'd' 20"=1mm; 'e' 10"=1mm; 'f' 5"=1mm. Others as noted in table.

Morel Astrographics (for and on behalf of VSS, RASNZ)
~~~~~

VARIABLE STAR MEMORANDUM No. 1

Date: 1989 August 1

-----  
Advice of unusual stellar object and/or activity.

The Object:

~~~~~

174833

Name : V745 Sco (Nova 1937)
Position (1950): 17h 52m 01.35s -33°14'32.5" (H.W. Duerbeck)
Type : Recurrent nova?
Magnitude : 11.2p - 21j (1937 outburst)
Discovered by : W. Liller (1989 outburst)
Confirmed by :
Observations : (12v July 24
: 9.7v July 30
:
:

Advice received from R.H. McNaught 1989 Aug. 1.

The Chart:

~~~~~

Scale :  
Epoch : 1875  
Prepared from : HDE chart 177  
Magnitudes : Cape photovisual from SAO Cat. 'b' and 'e' are V.  
Sequence : Visual  
Remarks :  
:  
:

Distribution List:

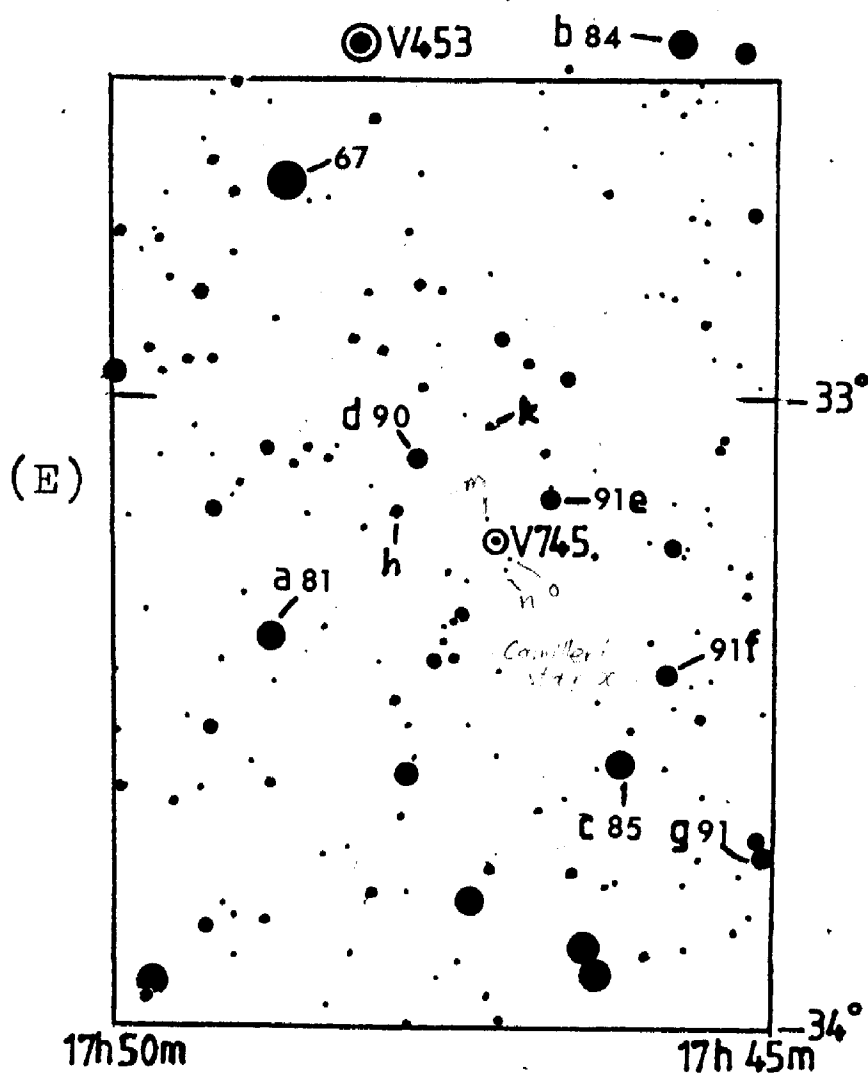
~~~~~

R. H. McNaught
A. F. Jones
F. M. Bateson
A. Pearce
T. B. Tregaskis
P. Nelson
P. Camillieri
P. F. Williams

M. MOREL
18 ELIZABETH COOK Dr,
RANKIN PARK
N.S.W. 2287 AUSTRALIA

1748 33 V745 Scorpii
 - Recurrent nova (1937, 1989).

(N)



Morel Astrographics (for and on behalf of VSS, RASNZ)
~~~~~

VARIABLE STAR MEMORANDUM No. 2

Date: 1989 August 20

-----  
Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
174532
Name : Nova Scorpii 1989 (No. 2)
Position (1950): 17h 48m 36 s -32° 31'
Type : Nova
Magnitude : 9.4v - ?
Discovered by : W. Liller
Confirmed by :
Observations : Aug. 17.11 UT 10.0v
: 18 9.4v
:
:

Advice Received from R. H. McNaught

The Chart:

~~~~~

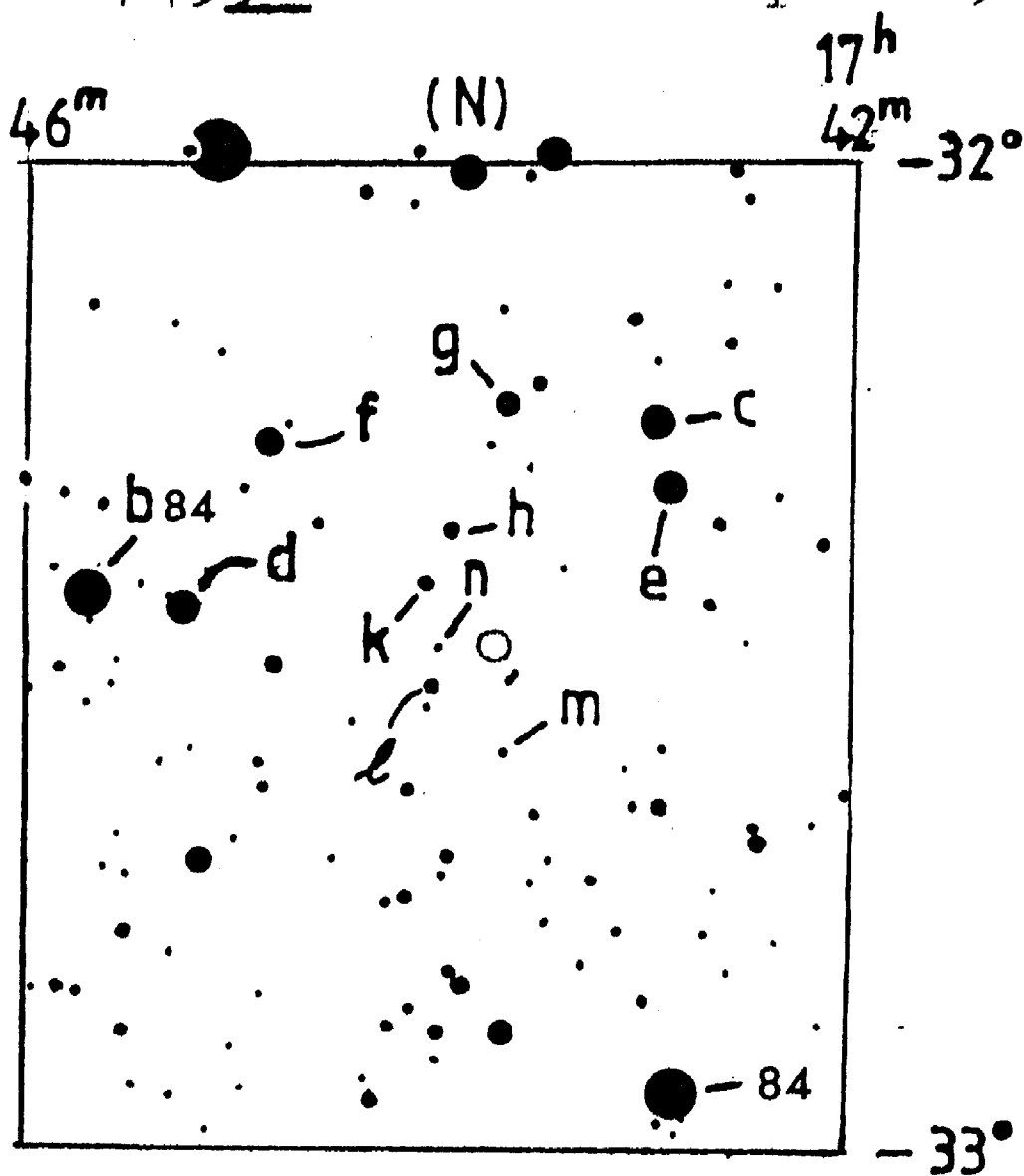
Scale : 28"/mm  
Epoch : 1875  
Prepared from : HDE chart 177  
Magnitudes : v  
Sequence : Lettered comparison stars.  
Remarks : Magnitudes for some comparison stars:  
:  
: b 8.36V e 9.4 v (SAO cat.)  
: c 9.0 v (SAO cat.) f 9.6 v ( " " )  
: d 9.3 v ( " " ) g 10.2 v - approx. only

Distribution List:

~~~~~

F.M. Bateson
R.H. McNaught
A.F. Jones
P. Nelson
T.B. Tregaskis
P. Camilleri
G. Dawes
A. Pearce
P. Williams

174532 Nova Scorpii 1989



c = 9.0

f = 9.6

d = 9.3

g = (10.2)

e = 9.4

Morel Astrographics (for and on behalf of VSS, RASNZ)
~~~~~

VARIABLE STAR MEMORANDUM No. 3 Date: 1989 Sept. 26  
=====

Advice of unusual stellar object and/or activity.

The Object:  
~~~~~

Name : Nova Scuti 1989
Position (1950): 18h 46m 58.11s -06°14'44.8"
Type : Nova
Magnitude : 8.5 - (22)
Discovered by : P. Wild (IAUC 4861)
Confirmed by : R. McNaught
Observations : Sept. 8.64 9.5 Sept. 24.39 11.2^m
: 17.41 8.5 24.61 11.2
: 18.49 9.0
: 20.44 10.3
: 21.58 10.9
: 23.46 11.0

The Chart:
~~~~~

Scale : 20"/mm  
Epoch : 1950  
Prepared from : SAO and BD catalogues; photo of M11 region  
Magnitudes : V  
Sequence : Lettered comparison stars, no mags. available.  
Remarks : Preliminary chart only; subject to correction.  
: Use lettered stars for comparisons.  
:

Distribution List:  
~~~~~

A.F. Jones
R. McNaught
B. Tregaskis
P.F. Williams
G. Dawes
P. Nelson
P. Camilleri
A. Pearce

V443 Sct

958

184406 NOVA SCUTI 1989

(1950): $18^h 46^m 58^s.11$ $-06^\circ 14' 44''.8$

(2000): 18 49 39 $-06^\circ 11.2$

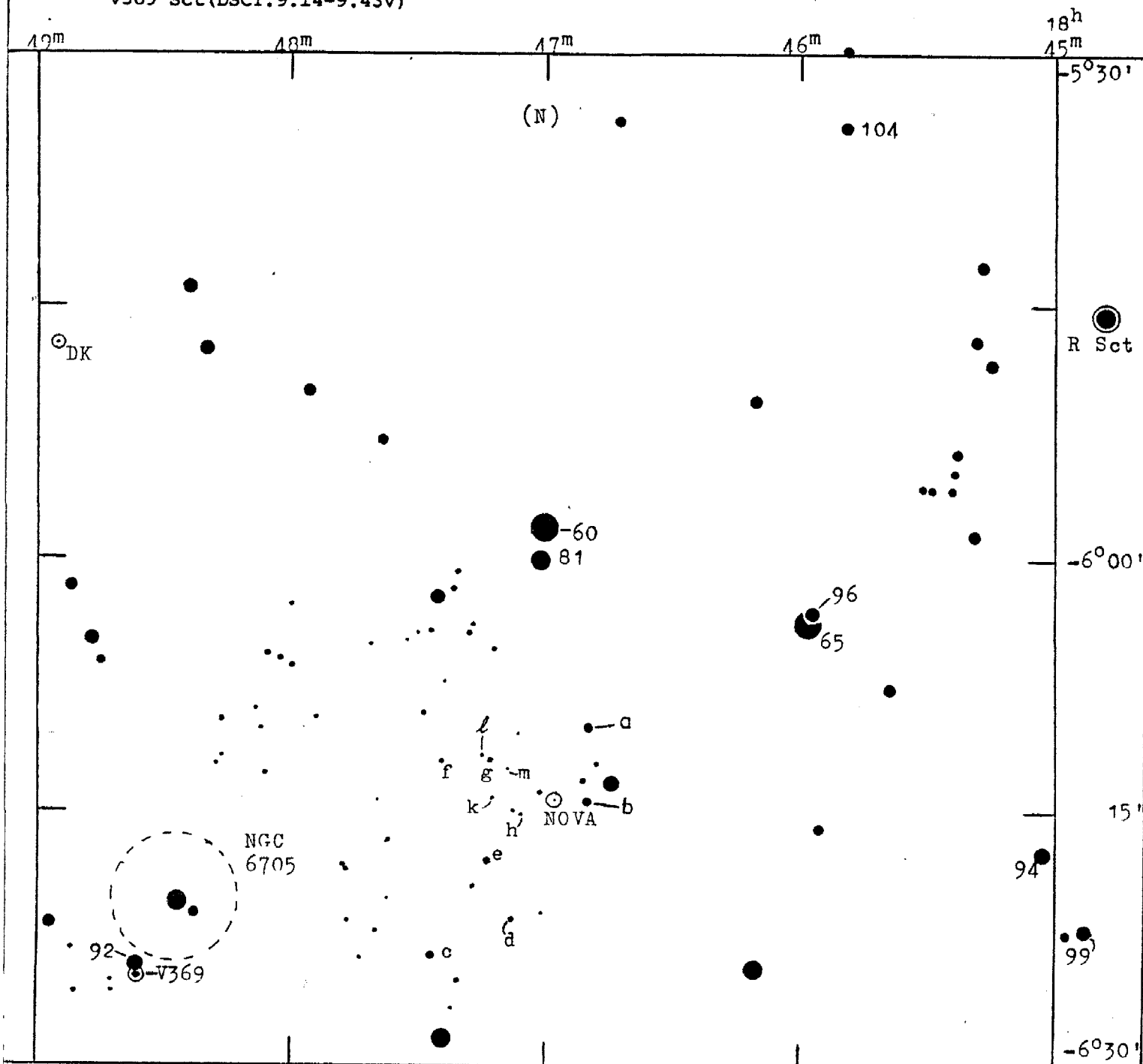
N. 8.5 - (22p)

ALSO SHOWN:

DK Sct (EA/SD.11.8-12.9p)

V369 Sct (DSCT.9.14-9.43V)

SCALE: $20'' = 1\text{mm}$



PLOTTED by M.M. from SAO; BD & photos of M11 region.

This chart replaces the preliminary chart distributed at time of Nova outburst

MAGNITUDES: V. Use lettered stars for comparisons.

F.M.B. 9.2.90

EPOCH: 1950

Morel Astrographics (for and on behalf of VSS, RASNZ)
~~~~~

VARIABLE STAR MEMORANDUM No. 4

Date: 1989 October 9

=====

Advice of unusual stellar object and/or activity.

Field:

The ~~XXXXXXXX~~  
~~XXXXXXXX~~

Name : SAGITTARIUS FIELD CHART  
Position (1950): 17h 54m to 18h 04m, -27°00' to -28°30'  
Type : Milky Way Field  
~~Magnitude~~ : A field rich in novae (five known objects).  
~~Discovered by~~ : Three symbiotic stars (Ap 1-8, SS 122 and H2-38)  
~~Confirmed by~~ : are known from their spectra, but are not known  
~~Observations~~ : to be variable.

: THIS CHART IS MADE AVAILABLE TO SELECTED  
: OBSERVERS, TO ASSIST IN SEARCH/OBSERVATION OF  
: NOVAE.

The Chart:

~~~~~

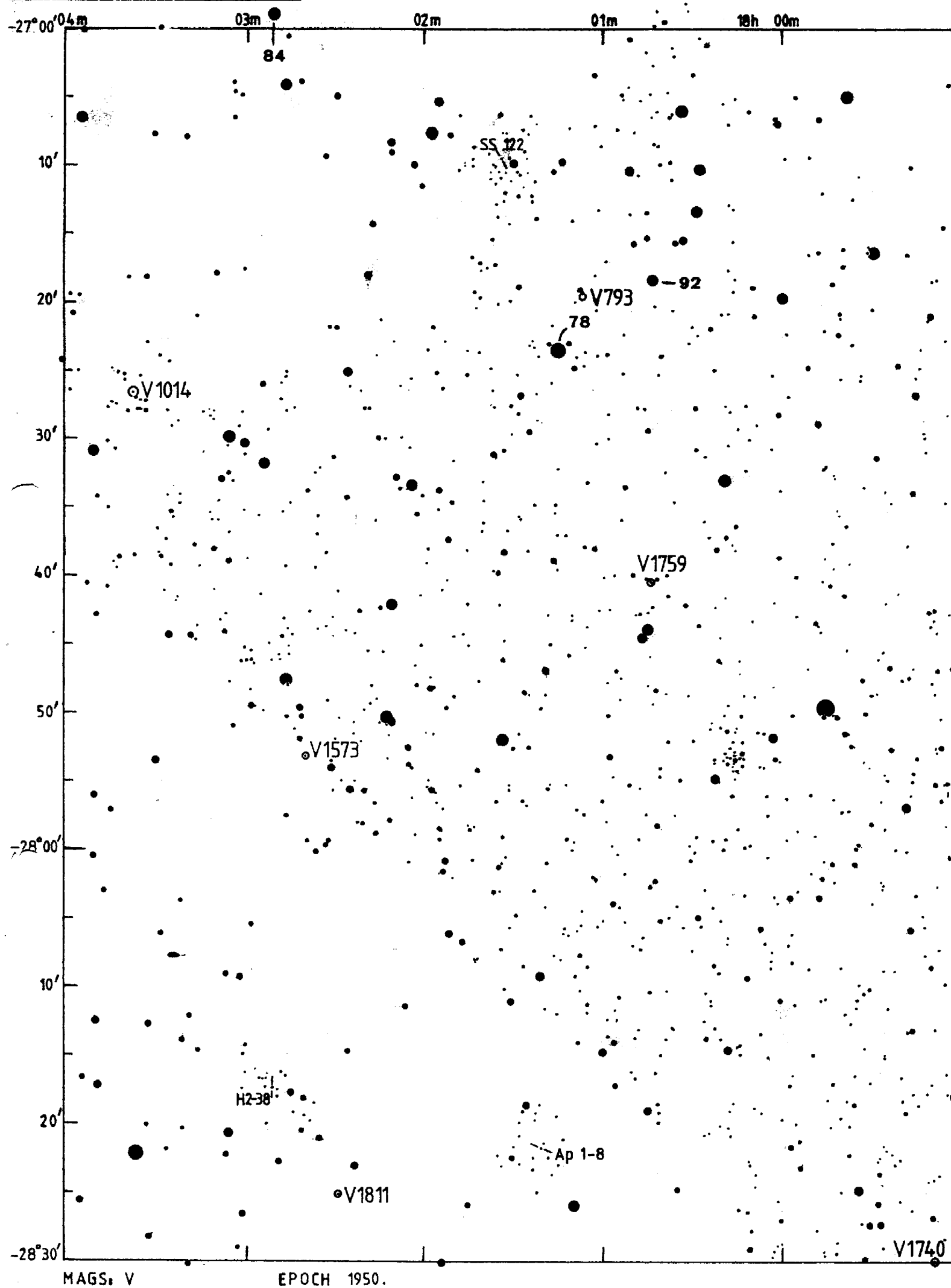
Scale : 20"/mm
Epoch : 1950
Prepared from : DM catalogues, field photos.
Magnitudes : V
Sequence : —
Remarks : All variables brighter than 14^m are plotted.
: The following novae have appeared:
: V990 (1936) V1014 (1901) V3889 (1975)
: V999 (1910) V1944 (1960)

Distribution List:

~~~~~

A.F. Jones  
P.F. Williams  
  
R.H. McNaught  
G. Dawes  
P. Nelson  
T.B. Tregaskis  
A. Pearce  
P. Camilleri

# SAGITTARIUS FIELD CHART



VARIABLE STAR MEMORANDUM No. 5

Date: 1990 January 21

Advice of unusual stellar object and/or activity.

The Object:

~~~~~

Name : Nova LMC 1990
Position (1950): 5h 23m 44.73s -69°32'27.2"
Type : Nova
Magnitude : 11.5v - ?
Discovered by : G. Garradd
Confirmed by : R. McNaught, Siding Spring Obs.
Observations : Jan. 16.47 UT 11.5 (Garradd)
: " 17.47 12.4v (D.A.J. Seargent)
: " 17.55 12.5v (A. Pearce)
:

The Chart:

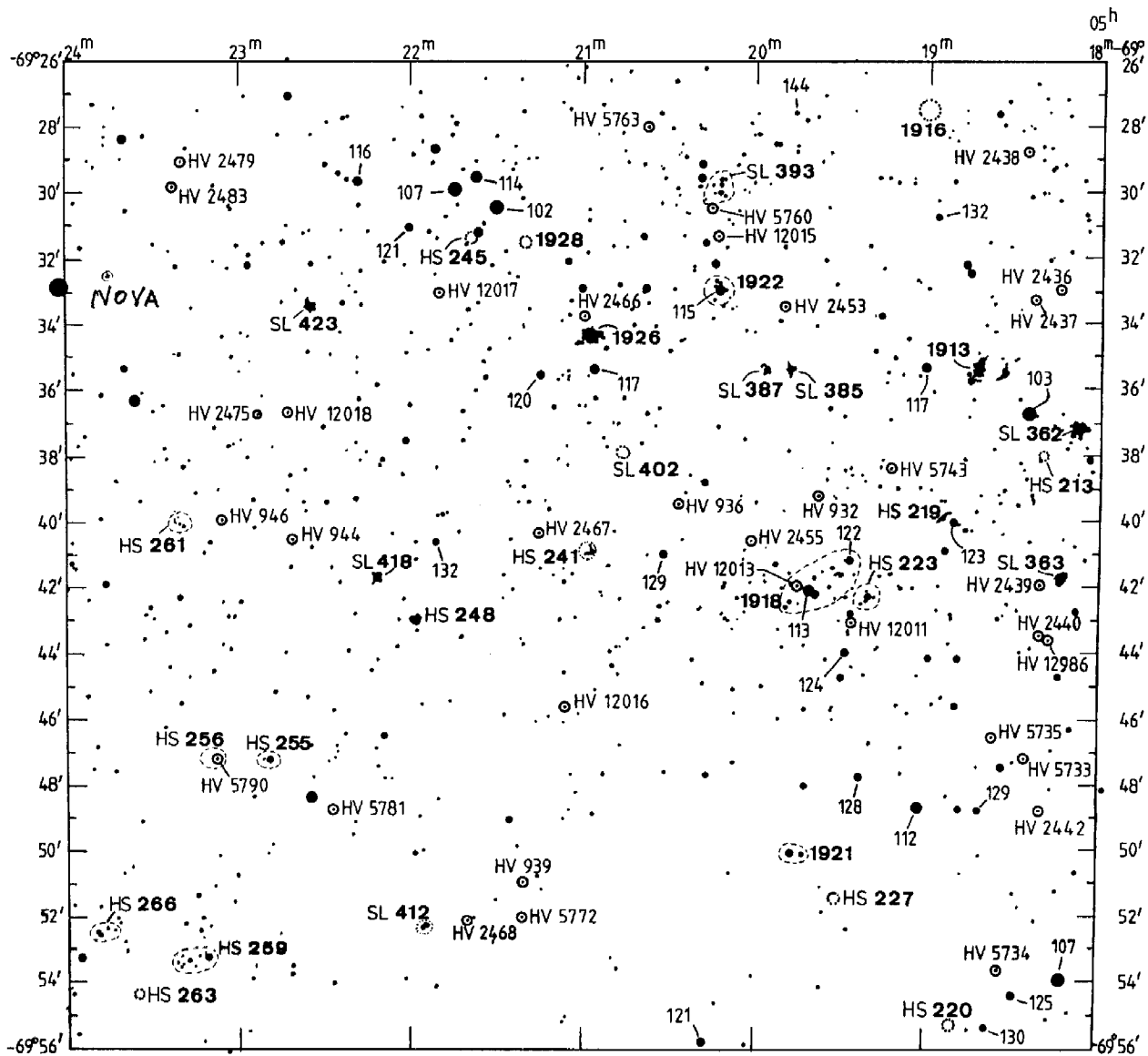
~~~~~

Scale : 12.5" / mm  
Epoch : 1950  
Prepared from : Unpublished LMC detailed chart.  
Magnitudes : V  
Sequence :  
Remarks :  
:  
:

Distribution List:

~~~~~

F. M. Bateson,
A. F. Jones
G. Dawes
T. B. Tregaskis
P. Nelson
P. F. Williams
A. Pearce
P. Camilleri
R. McNaught



STAR CLUSTERS:

NGC 1913	SL 362	HS 213
NGC 1916	SL 363	HS 219
NGC 1918	SL 385	HS 220
NGC 1921	SL 387	HS 223
NGC 1922	SL 391	HS 227
NGC 1926	SL 393	HS 241
NGC 1928	SL 402	HS 245
	SL 412	HS 248
	SL 418	HS 255
	SL 423	HS 256
		HS 259
		HS 261
		HS 263
		HS 266

EMISSION
NEBULAE:

NGC 1918
 NGC 1921

VARIABLE STARS:

HV 932	HV 2455	HV 5760
HV 936	HV 2466	HV 5763
HV 939	HV 2467	HV 5772
HV 944	HV 2468	HV 5781
HV 946	HV 2475	HV 5790
HV 2436	HV 2479	HV 12011
HV 2437	HV 2483	HV 12013
HV 2438	HV 5733	HV 12015
HV 2440	HV 5734	HV 12016
HV 2442	HV 5735	HV 12017
HV 2453	HV 5743	HV 12018
		HV 12986

VARIABLE STAR MEMORANDUM No. 6

Date: 1990 February 18

Advice of unusual stellar object and/or activity.

The Object:

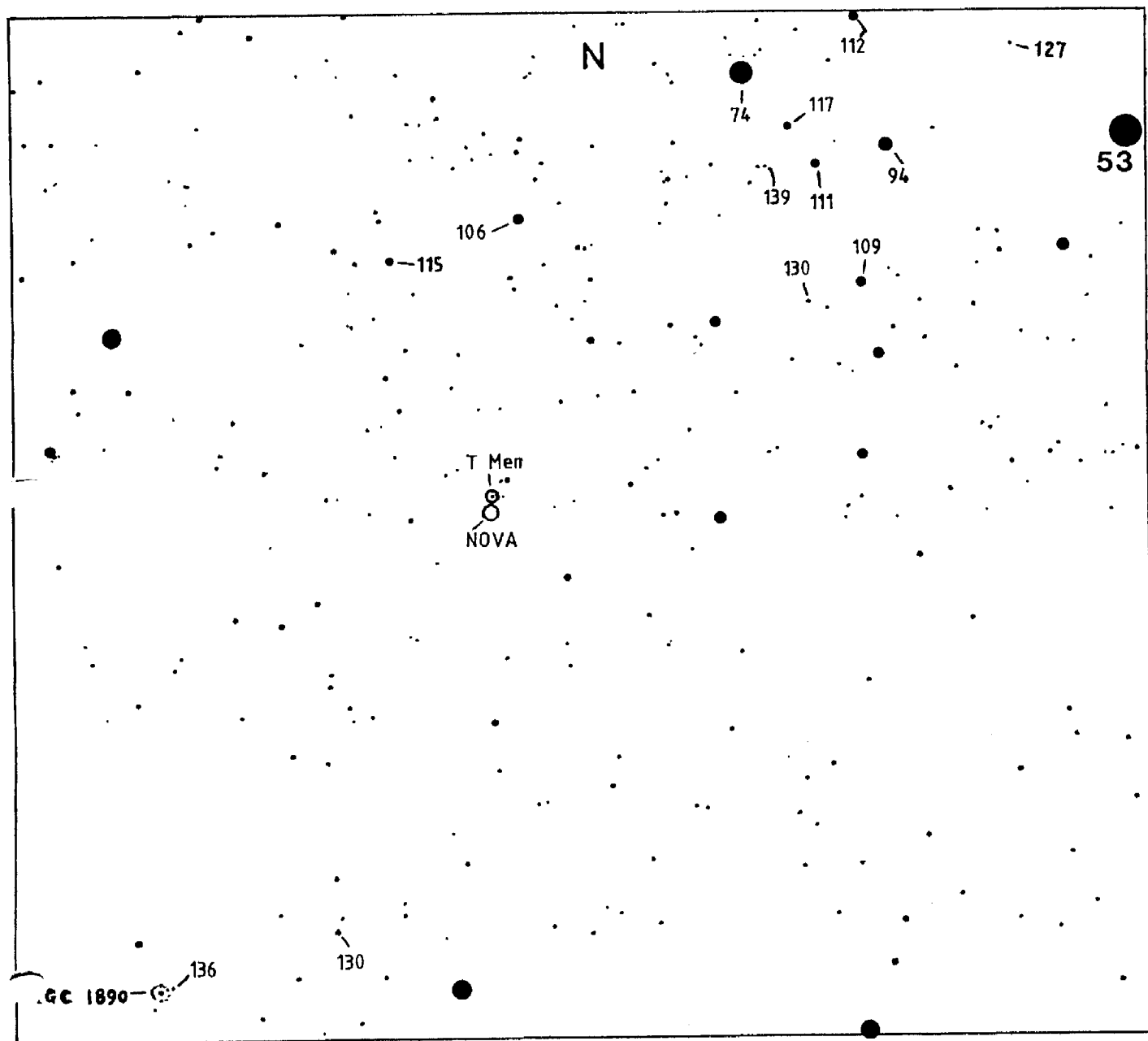
~~~~~  
Name : NOVA LMC 1990 051171  
Position (1950): 5h 10m 41.8s -71°43'27"  
Type : Recurrent nova (previous outburst 1968)  
Magnitude : 11.2v - ?  
Discovered by : W. Liller  
Confirmed by :  
Observations : Feb. 14.1 11.2v  
: 15.1 12.0V; B-V +0.16 ; Wells & Heathcote,  
: Cerro Tololo.  
:

The Chart:

~~~~~  
Scale : 20" / mm
Epoch : -
Prepared from : Hodge & Wright Atlas of LMC
Magnitudes : V
Sequence : Published V magnitudes
Remarks :
:
:

Distribution List:

~~~~~  
F.M. Bateson  
A.F. Jones  
P. Nelson  
G. Dawes  
A. Pearce  
T. B. Tregaskis  
R.H. McNaught  
P. Camilleri



VARIABLE STAR MEMORANDUM No. 7

Date: 1990 March 12

Advice of unusual stellar object and/or activity.

The Object:

~~~~~

Name : 175229 Nova Sagittarii 1990 V4338 Sgr
Position (1950): 17h 56m 7.21s -29° 09' 42.9"
Type : Nova
Magnitude : 8.0v - ?
Discovered by : W. Liller
Confirmed by :
Observations. : Feb. 20.36 (11 Mar 6.33 10.7
: 23.38 8.0v 8.34 11.5
: 24.33 8.9
: 28.34 9.3
Mar 1.37 9.3
2.38 9.6

The Chart:

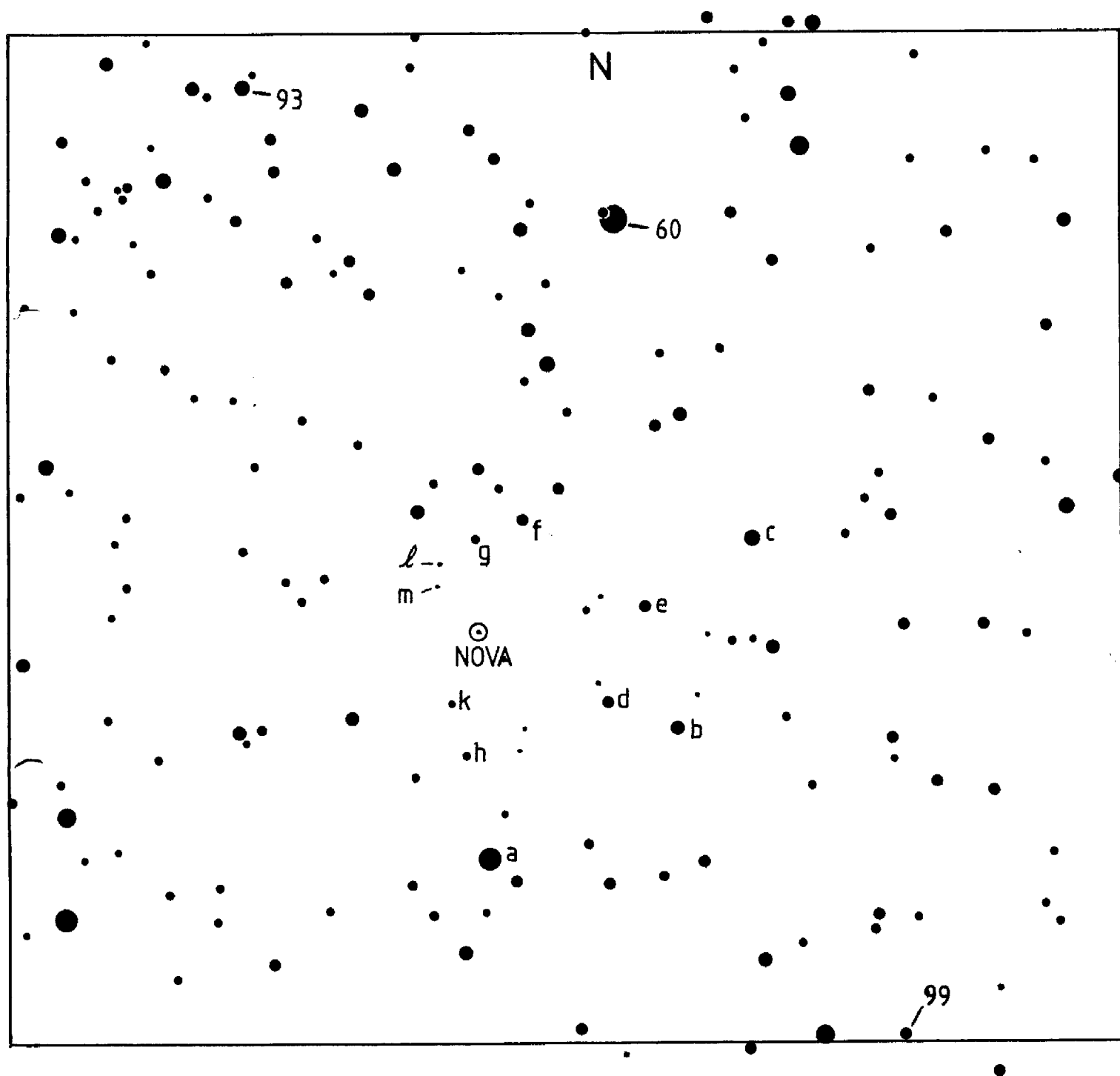
~~~~~

Scale : 20"/mm  
Epoch : 1875  
Prepared from : CoD, CPD and HDE chart 172  
Magnitudes : V  
Sequence : Lettered comparison stars  
Remarks :  
: Advice received from R. McNaught, Siding Spring Obs.,  
: 1990 March 11.

Distribution List:

~~~~~

F. M. Bateson
A. F. Jones
R. McNaught
P.F. Williams
G. Daves
P. Nelson
T.B. Tregaskis
P. Camilleri
A. Pearce



VARIABLE STAR MEMORANDUM No. 8

Date: 1990 April 27

Advice of unusual stellar object and/or activity.

The Object:

~~~~~

|                  |   |                                   |        |                       |
|------------------|---|-----------------------------------|--------|-----------------------|
| Name             | : | Nova Scorpii 1990                 | 174730 | <i>NSV 24027</i>      |
| Position (1950): | : | 17h 51.0m -30°48'                 |        | <i>Does not exist</i> |
| Type             | : | Nova                              |        |                       |
| Magnitude        | : | 10.2v -                           |        |                       |
| Discovered by    | : | W. Liller                         |        |                       |
| Confirmed by     | : |                                   |        |                       |
| Observations     | : | Apr. 17 10.2v                     |        |                       |
|                  | : |                                   |        |                       |
|                  | : | Apr. 9 <12                        |        |                       |
|                  | : | REFERENCE: ASNSW ASTROCARD No. 59 |        |                       |

The Chart:

~~~~~

Scale	:	20"/mm
Epoch	:	1875
Prepared from	:	HDE charts 172 and 177
Magnitudes	:	V
Sequence	:	Lettered comparison stars
Remarks	:	
	:	
	:	

Distribution List:

~~~~~

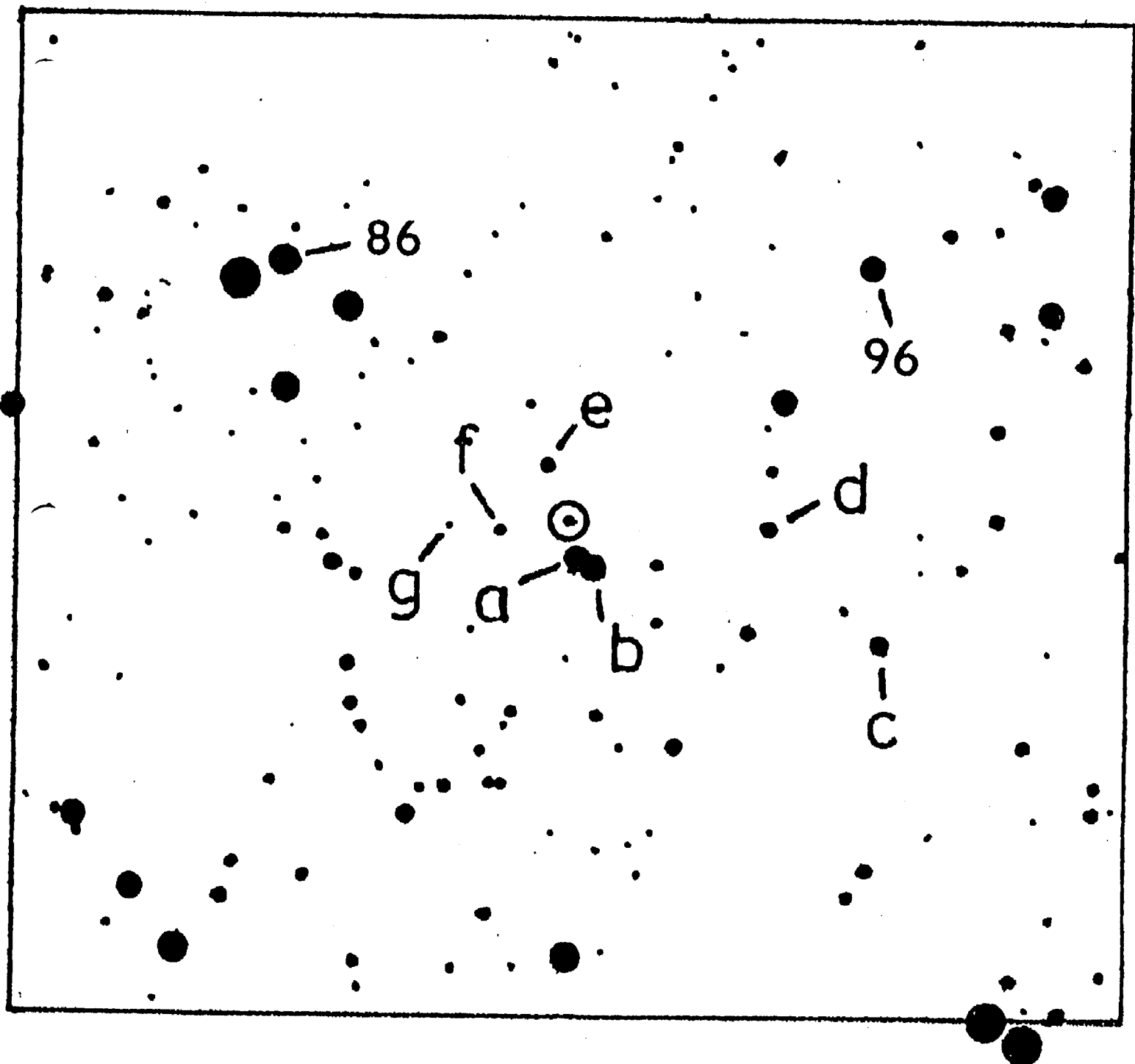
- F.M. Bateson
- A.F. Jones
- T.B. Tregaskis
- P. Nelson
- P. Camilleri
- A. Pearce
- P. Crake
- R. McNaught
- G. Dawes

M. Morel.

*NSV 24027 (does not exist)*

# 174730 Nova Scorpii 1990

N



## VARIABLE STAR MEMORANDUM No. 9

Date: 1991 January 24

Advice of unusual stellar object and/or activity.

## The Object:

~~~~~

Name : NOVA MUSCAE 1991 *GU Mus*
Position (1950): 11h 24m 18.49s -68° 24' 01.7"
Type : X-Ray source/ nova
Magnitude : ? - 20
Discovered by : X-Ray satellites.
Confirmed by : ESO
Observations : Jan. 13.25 17-18^m
: Jan. 15.1 14.5V
: Jan. 15.3 13.4V

Advice received via VSS, RASNZ
Special Circular (1991 January 17).

: Is not known whether the object has peaked, or whether
it will rise further.

The Chart:

~~~~~

Scale : 20"/mm  
Epoch : 1875  
Prepared from : CPD, HDE chart 153, and Mt John Observatory photo,  
Magnitudes : 81 and 99 are V.  
Sequence : Lettered comparison stars.  
Remarks :  
: Marked position of nova corresponds with  
: published accurate coordinates. It differs  
from the approximate error circle shown on

Distribution List: the Mt John photo.  
~~~~~

F.M. Bateson

T.B. Tregaskis

P. Camilleri

A. Pearce

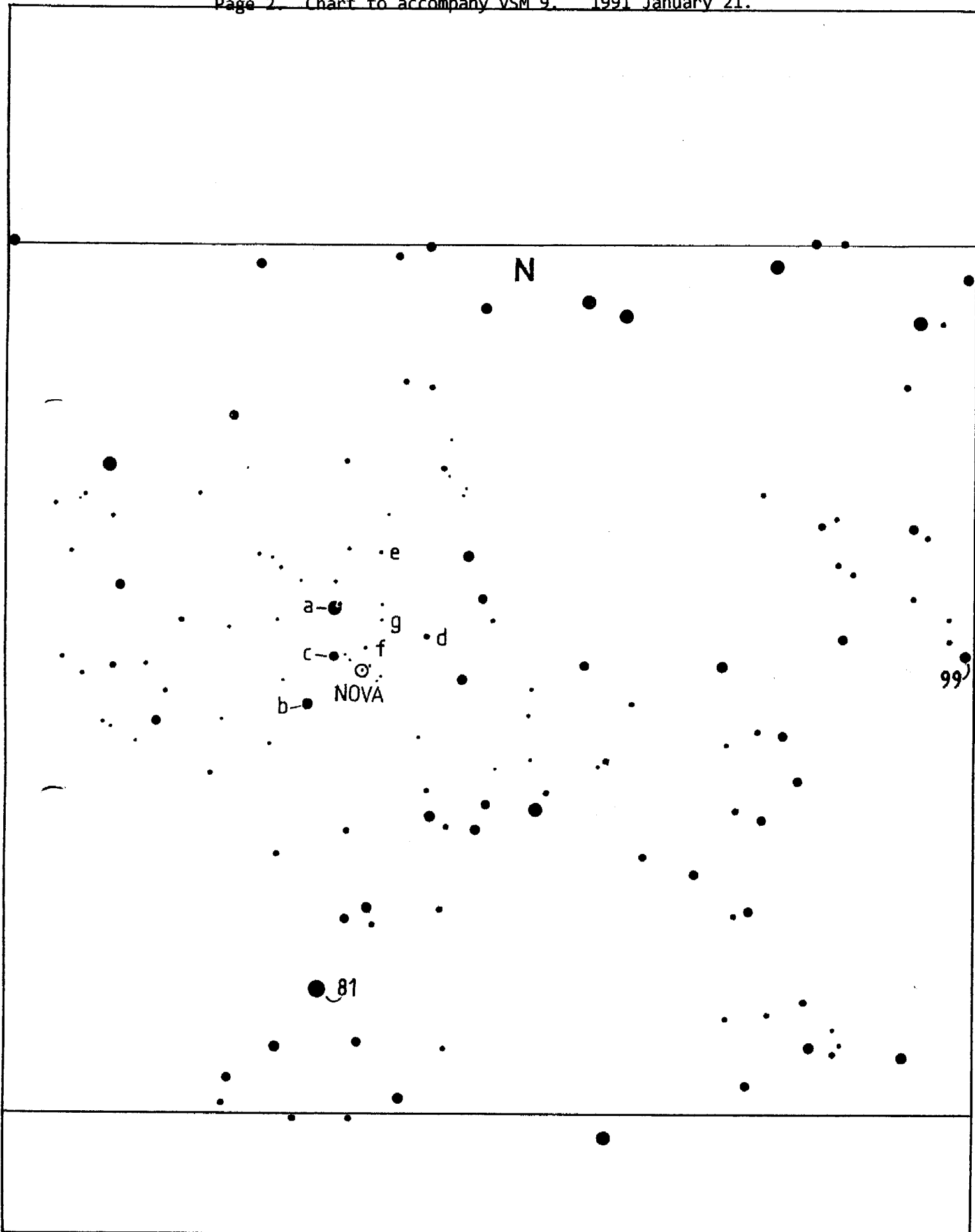
P. Crake

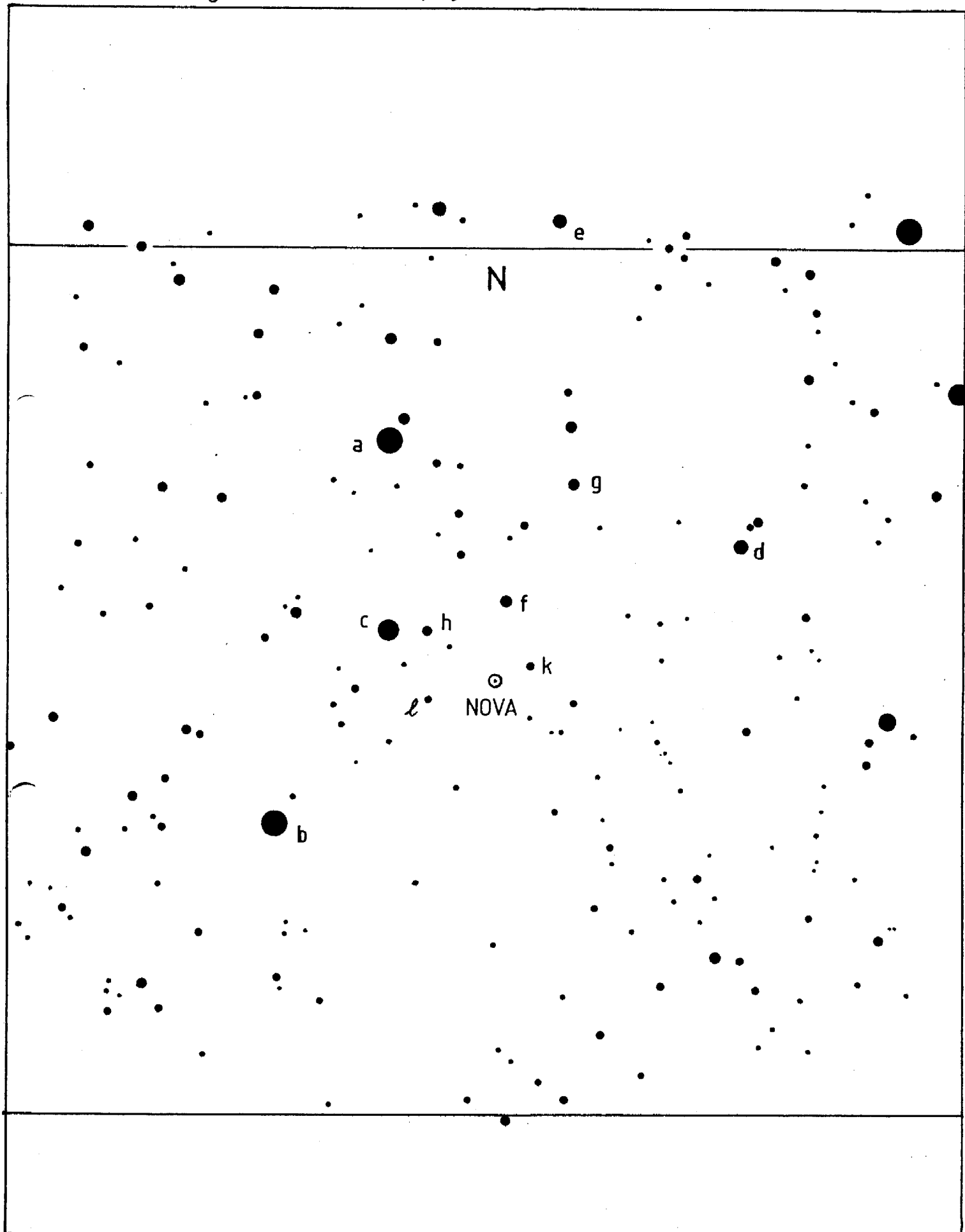
R. McNaught

G. Dawes

J.K. Green

P. Williams





VARIABLE STAR MEMORANDUM No. 10

Date: 1991 April 16

Advice of unusual stellar object and/or activity.

The Object:

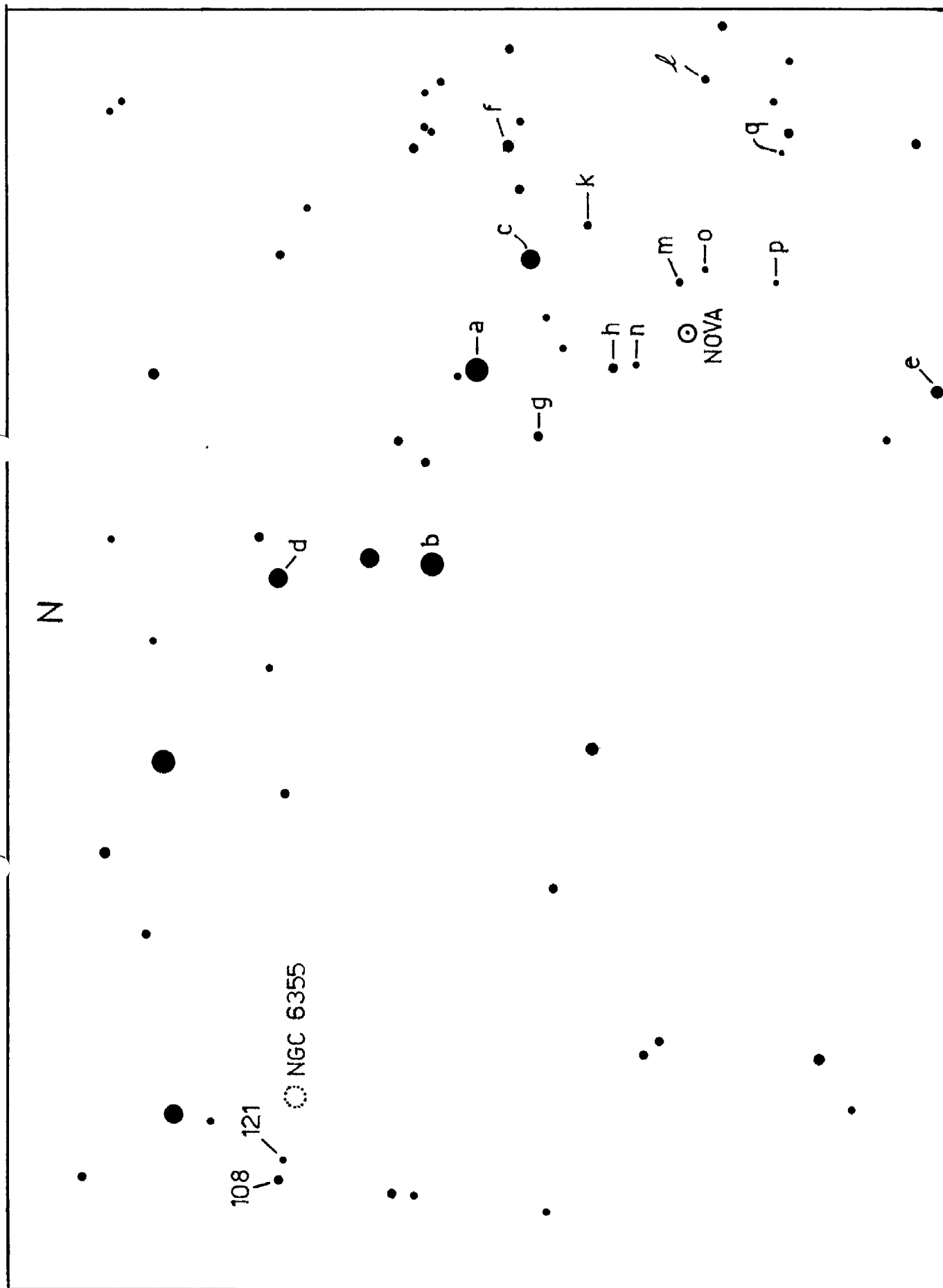
~~~~~  
Name : ..... Oph  
Position (1950): 17h 17m 14.01s -26°43'28.8" (P.M. Kilmartin, Mt. John Obs.)  
Type : Dwarf Nova? (Initially thought to be a nova).  
Magnitude : 10.0 - ?  
Discovered by : P. Camilleri  
Confirmed by : A.F. Jones  
Observations : April 12 10.0v  
:  
:  
:

The Chart:

~~~~~  
Scale : 20" / mm
Epoch : 1950
Prepared from : CoD, CPD, Guide Star Catalogue
Magnitudes : V near NGC 6355 (globular cluster), M. Hazen-Liller
Sequence : Lettered comparison stars
Remarks :
:
:
:

Distribution List:

~~~~~  
F.M. Bateson,  
A.F. Jones  
P. Williams  
P. Camilleri  
R. McNaught  
A. Pearce  
C. Daves  
D. Serjeant  
T.B. Tregaskis  
P. Crane  
J.K. Green



VARIABLE STAR MEMORANDUM No. 11

Date: 1991 April 22

Advice of unusual stellar object and/or activity.

The Object:

~~~~~

Name : 050470 Nova LMC 1991
Position (1950): 05h 04m 12.70s -70°22'16.2"
Type : Nova
Magnitude : ? - (21.5p)
Discovered by : W. Liller
Communication : R.H. McNaught, Siding Spring Observatory
Observations : 1991 April 18.036 12.3 }
: " " 15.12 (14 } W. Liller
:
: 1975 Dec. 12 (21.5 1991 April 16.40 15
: 1991 April 12.41 19½ " " 18.53 12.4
: " " 13.41 19 UK Schmidt plates.

The Chart:

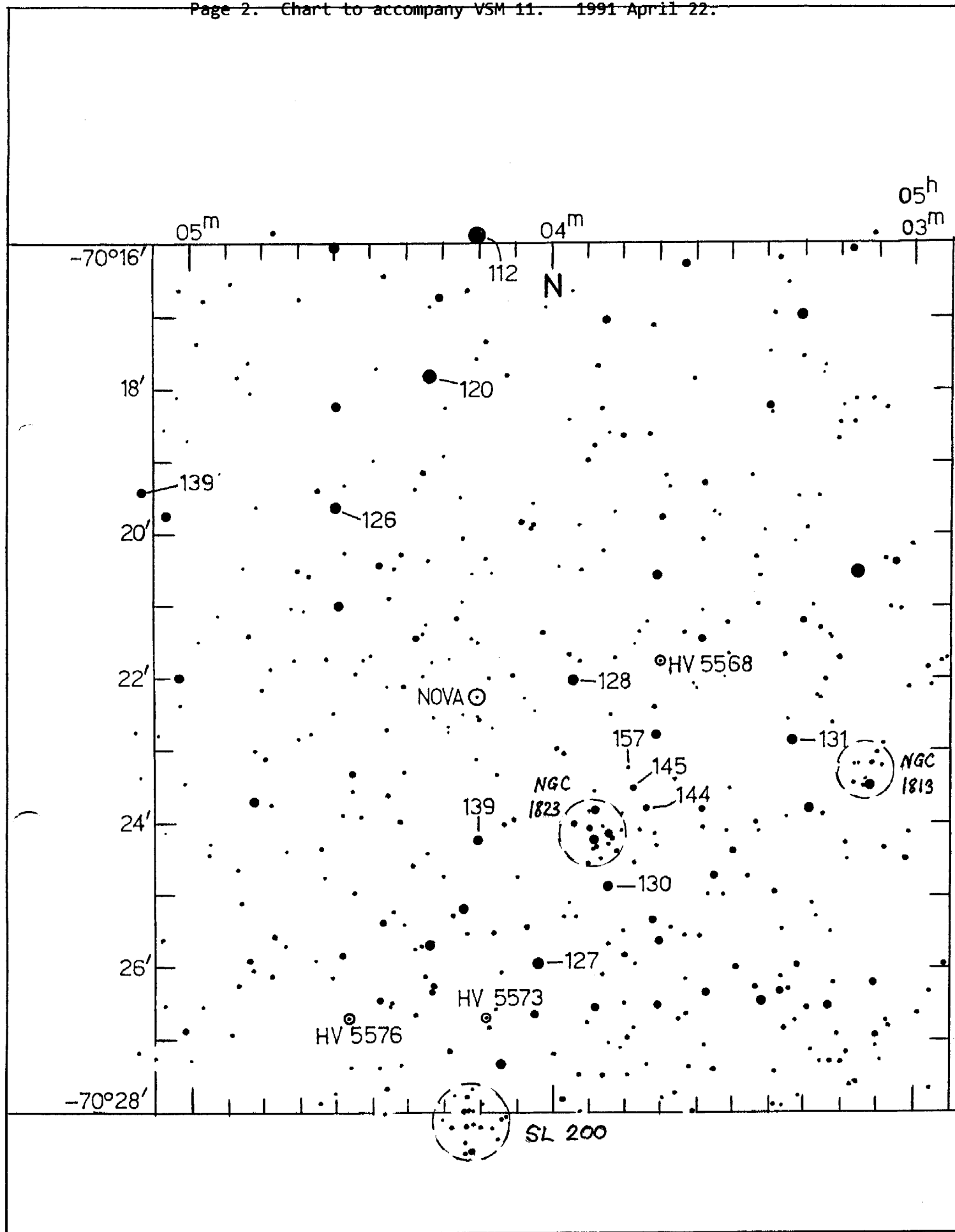
~~~~~

Scale : 4"/mm  
Epoch : 1950  
Prepared from : P. Lucke charts of LMC stellar associations  
Magnitudes : V - photoelectric down to 13.9V, photographic below 13.9V.  
Sequence : From published data for LMC OB stars.  
Remarks : This nova lies just N of LMC association LH 18.  
: The faint (ptg) mags in the sequence have been taken  
: from the study of LMC OB Stellar associations by P.B.  
Lucke (Astrophys. J. Supplement 28:73 (1974)).

Distribution List:

~~~~~

F.M. Bateson
A.F. Jones
P. Williams
P. Camilleri
R. McNaught
A. Pearce
G. Dawes
T.B. Tregaskis
P. Crake
J.K. Green
P. Nelson



VARIABLE STAR MEMORANDUM No. 12

Date: 1991 August 1

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 180732 Nova Sagittarii 1991  
Position (1950): 18h 10.9m -32°14'  
Type : Nova  
Magnitude : 7.3v - ?  
Discovered by : P. Camilleri  
Confirmed by : P. Williams  
Observations : July 15.601 (12.5  
: 29.401 8.5p  
: 29.501 8.0v  
: 29.5049 7.3v  
: 29.507 7.3v

The Chart:

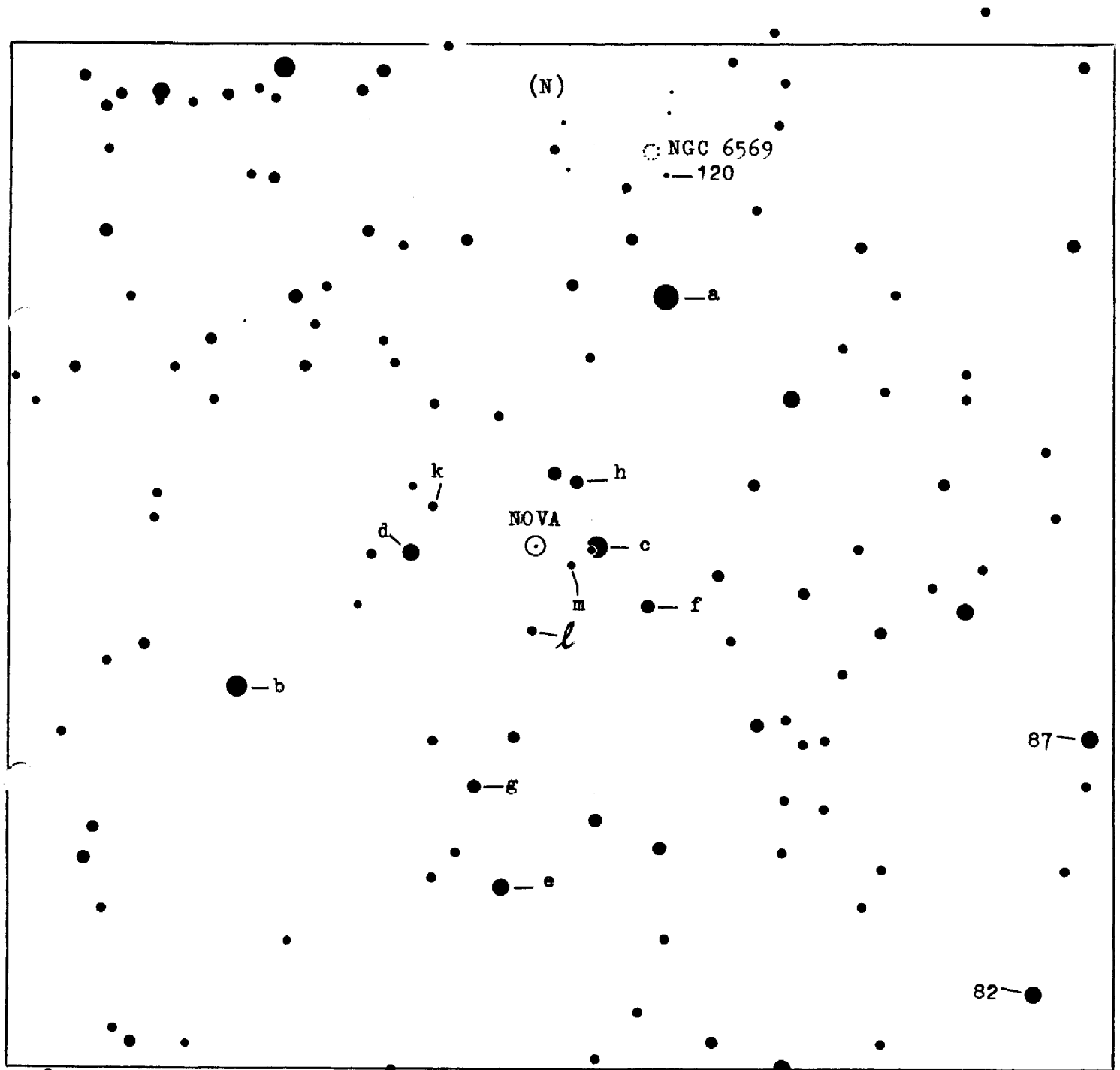
~~~~~  
Scale : 20"/mm
Epoch : 1875
Prepared from : CoD and CPD
Magnitudes : v
Sequence : Lettered comparison stars:
Remarks : a 6.6 e 8.9 } Visual Mags. from SAO
: b 7.4 f 9.4 } Catalogue. May be subjected
: c 7.9 g 9.5 } to revision.
: d 8.2

Distribution List:

~~~~~  
F.M. Bateson  
A.F. Jones  
P.F. Williams  
P. Camilleri  
A. Pearce  
G. Dawes  
T.B Tregaskis  
P. Crake  
J.K. Green  
P. Nelson

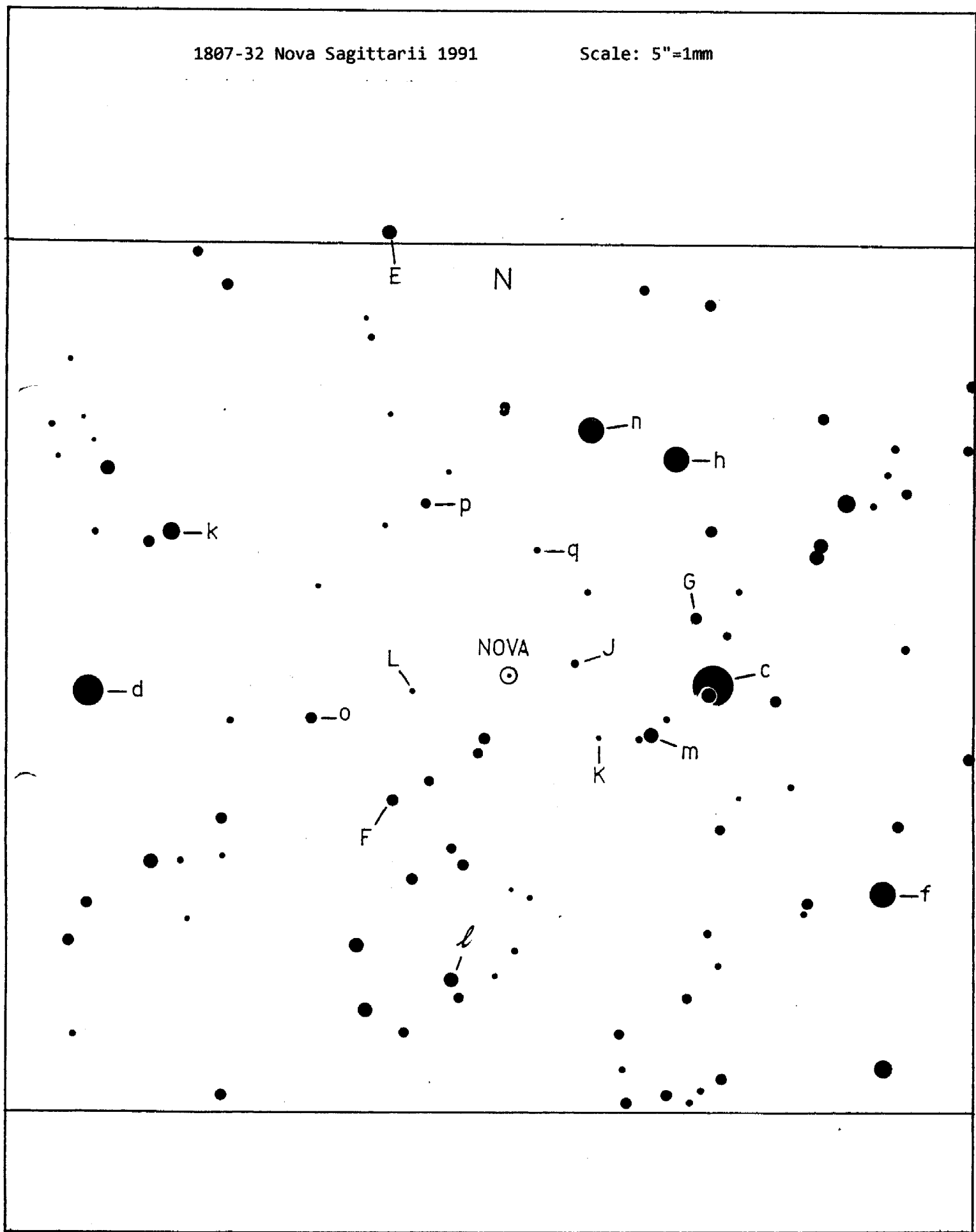
1807-32 Nova Sagittarii 1991

Scale: 20"=1mm



1807-32 Nova Sagittarii 1991

Scale: 5"=1mm



VARIABLE STAR MEMORANDUM No. 13

Date: 1991 September 2

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 184108 Nova Scuti 1991
Position (1950): 18h44m26.58s -08°24'12.5"
Type : Nova
Magnitude : 10.5v - 20R
Discovered by : P. Camilleri
Confirmed by :
Observations : August 08.604 UT (12
: 30.468 10.5v
: 31 10.5v
: Accurate coordinates and pre-outburst observation are
courtesy of R.H. McNaught, SSO.

The Chart:

~~~~~  
Scale : 20"/mm  
Epoch : 1950  
Prepared from : Plot from SAO, BD and field photo of Scutum region.  
Magnitudes : V. Note stars 96, 102 and 103 rather red (or reddened).  
Sequence :  
Remarks : Faint sequence will follow  
:  
:

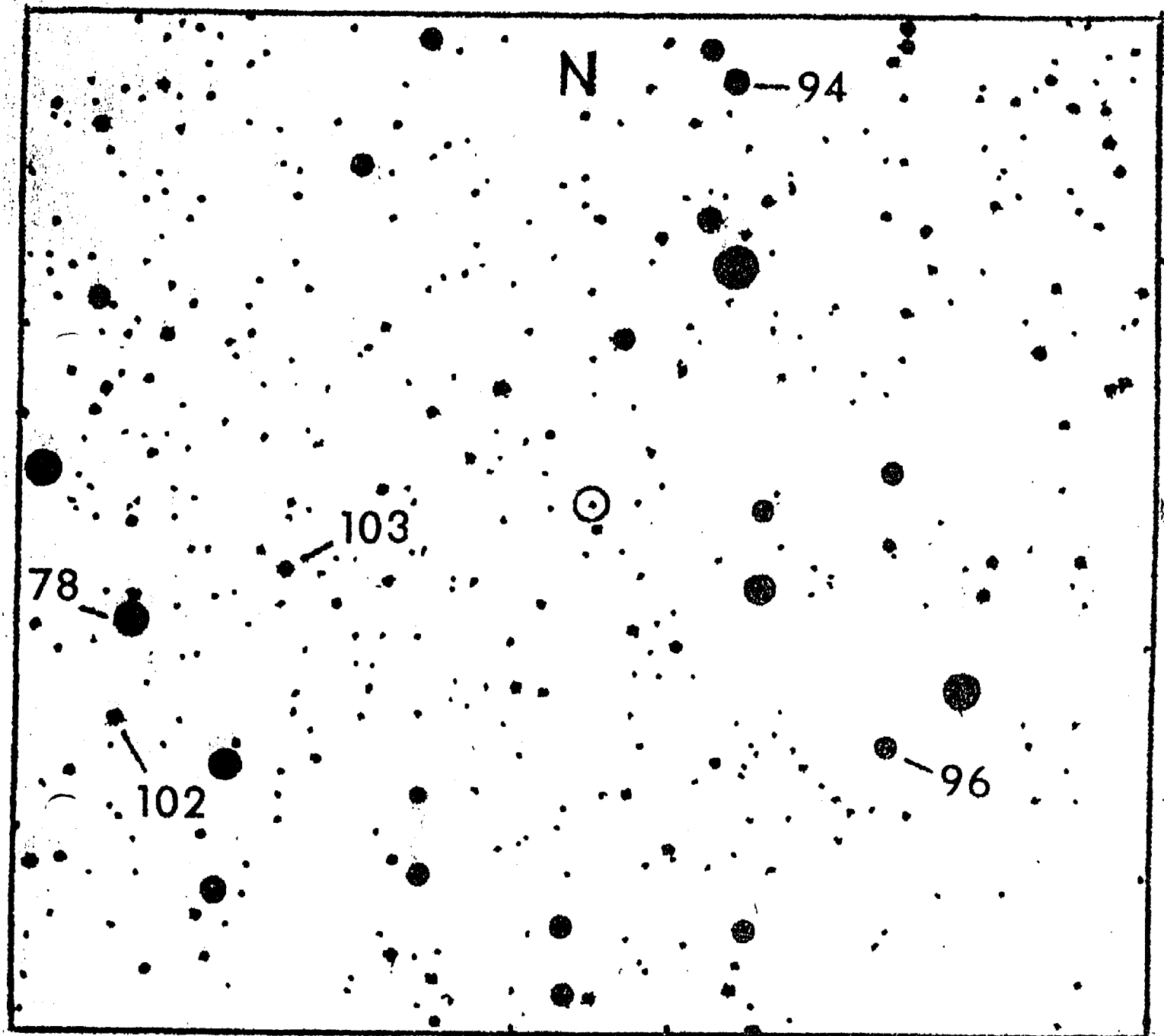
Distribution List:

~~~~~  
F.M. Bateson
A.F. Jones
P.F. Williams
P. Camilleri
A. Pearce
G. Dawes
T.B. Tregaskis
P. Crake
J.K. Green
P. Nelson
R.H. McNaught

M. Morel.

1841-08 Nova Scuti 1991

Scale: 20"=1mm



VARIABLE STAR MEMORANDUM No. 14

Date: 1991 September 5

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 184108 Nova Scuti 1991  
Position (1950): 18h 44m 26.58s -08°24'12.5"  
Type : Nova  
Magnitude : 10.5v - 20R  
Discovered by : P. Camilleri  
Confirmed by :  
Observations :  
:  
:  
:

## The Chart:

~~~~~  
Scale : 10"/mm
Epoch : 2000
Prepared from : GSC
Magnitudes :
Sequence : Lettered comparison stars. Show comparison in estimate.
Remarks : Approximate mags from GSC
: a 10.6 d ~~11.7~~ 12.6Vg 12.3 1 13.6
: b 10.9 e ~~11.8~~ 12.2Vh 12.8 13.3V
: c ~~11.6~~ 12.0V f ~~12.1~~ 12.5Vh 13.0

Distribution List:

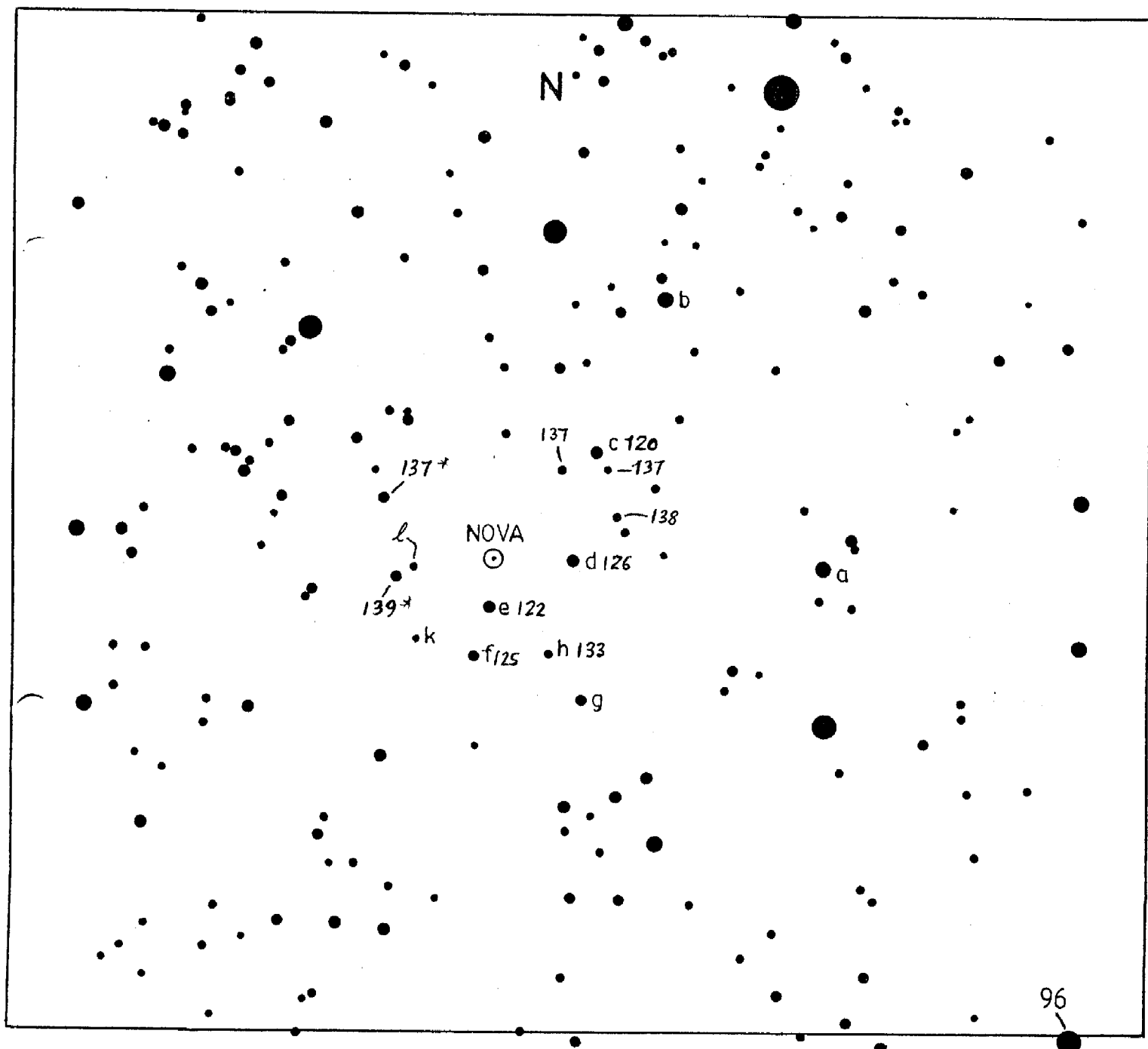
~~~~~  
F.M. Bateson  
A.F. Jones  
P.F. Williams  
P. Camilleri  
A. Pearce  
G. Dawes  
T. B. Tregaskis  
J.K. Green  
P. Nelson  
R.H. McNaught

V mags for some stars are  
shown on the chart.

M. Morel.

1841-08 Nova Scuti 1991

Scale: 10"=1mm



\* Possibly misidentified

VARIABLE STAR MEMORANDUM No. 15

Date: 1992 January 6

Advice of unusual stellar object and/or activity.

The Object:

~~~~~ **080734**

Name : Nova Puppis 1991

Position (1950): 08h 09m 44.11s -34°58'29.2" (by R.H. McNaught)

Type : Nova

Magnitude : 6.4 - ?

Discovered by : P. Camilleri

Confirmed by :

Observations :

| | | | |
|------------|-----------------------------|------------|------|
| Dec. 11.55 | (12 | Jan. 3.555 | 8.14 |
| 27.509 | 6.4 | 4.537 | 8.4 |
| Jan. 1.570 | 7.4 | | |
| 3 | 9.0 | | |
| 3.75 | 8.2 | | |
| 3.466 | 8.01V (A. Gilmore, Mt John) | | |

The Chart:

~~~~~

Scale : 20" / mm

Epoch : 1875

Prepared from : CoD and CPD

Magnitudes : Visual from VSS, RASNZ charts 273 and 275. 58 & 69 are V.

Sequence : Visual

Remarks :

:

:

Distribution List:

~~~~~

F. M. Bateson

A. F. Jones

P. F. Williams

P. Camilleri

A. Pearce

W. Goltz

G. Bryant

T. B. Tregaskis

J. K. Green

P. Nelson

R. H. McNaught

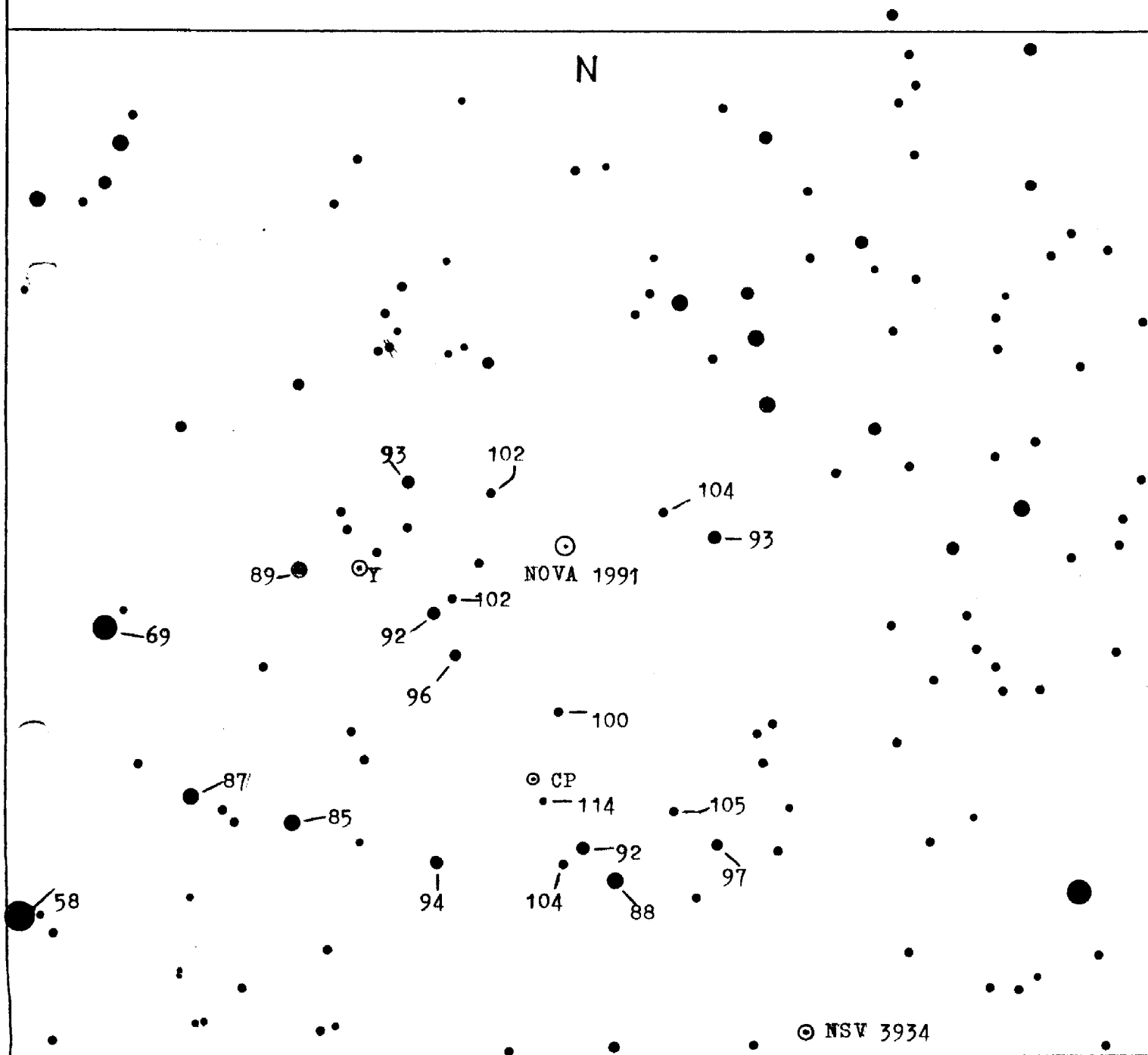
P. Crane

More detailed chart from GSC will follow.

M. Morel.

0807-34 Nova Puppis 1991

Scale: 20"=1mm



VARIABLE STAR MEMORANDUM No. 16

Date: 1992 January 9

Advice of unusual stellar object and/or activity.

The Object:

~~~~~

Name : 080734 Nova Puppis 1991  
Position (1950): 08h 09m 44.11s -34°58'29.2"  
Type : Nova  
Magnitude : 6.4 - ?  
Discovered by : P. Camilleri  
Confirmed by :  
Observations : See VSM 15.  
:  
:  
:

The Chart:

~~~~~

Scale : 10"/mm
Epoch : 2000
Prepared from : GSC
Magnitudes : Visual
Sequence : Chart 275, Series 7, Charts for Southern Variables.
Remarks : Faint comparison stars are lettered.
:
:

Distribution List:

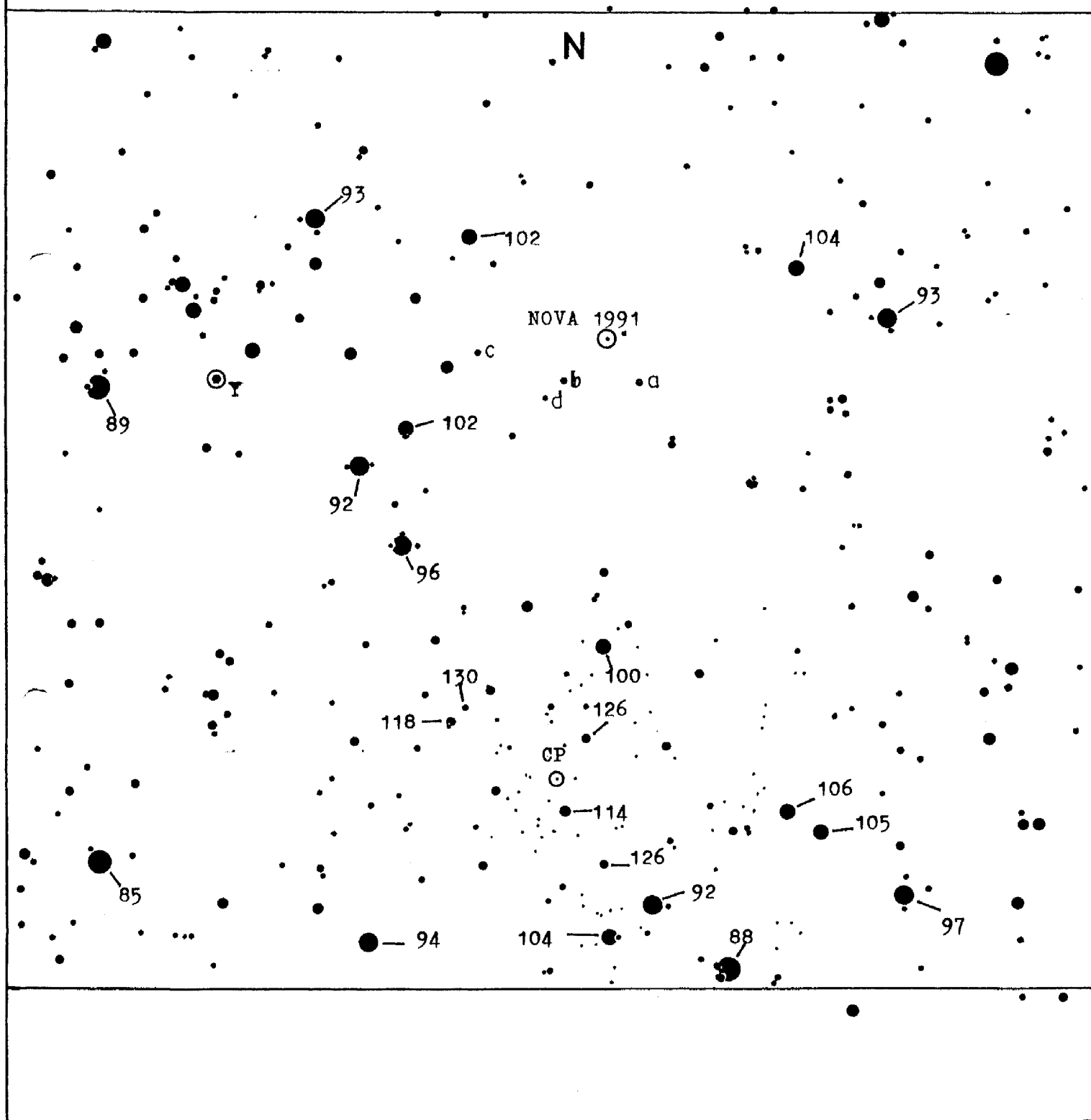
~~~~~

F. M. Bateson  
A. F. Jones  
P. F. Williams  
P. Camilleri  
A. Pearce  
W. Goltz  
G. Bryant  
T. B. Tregaskis  
P. Nelson  
R. H. McNaught  
P. Crake

M. Morel.

0807-34 Nova Puppis 1991

Scale: 10"=1mm



VARIABLE STAR MEMORANDUM No. 17

Date: 1992 February 16

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 180325 Nova Sagittarii 1992
Position (1950): 18h 06m 28.84s -25°52'33.3" (by courtesy R. McNaught)
Type : Nova
Magnitude : 7.5 - ?
Discovered by : W. Liller / P. Camilleri. Simultaneous, independent
Confirmed by : discovery.
Observations : 1992 Feb 6.739 (10
: 13.743 7.5v
: 14.697 8.0v
: 15.724 9.4v

The Chart:

~~~~~  
Scale : 20"/mm  
Epoch : 1875  
Prepared from : CoD and CPD  
Magnitudes : V  
Sequence : Faint comparison stars are lettered.  
Remarks : An old nova, Nova Sgr 1943 = V1148 Sgr, is plotted.  
: NGC 6553 is a globular cluster.

Distribution List:

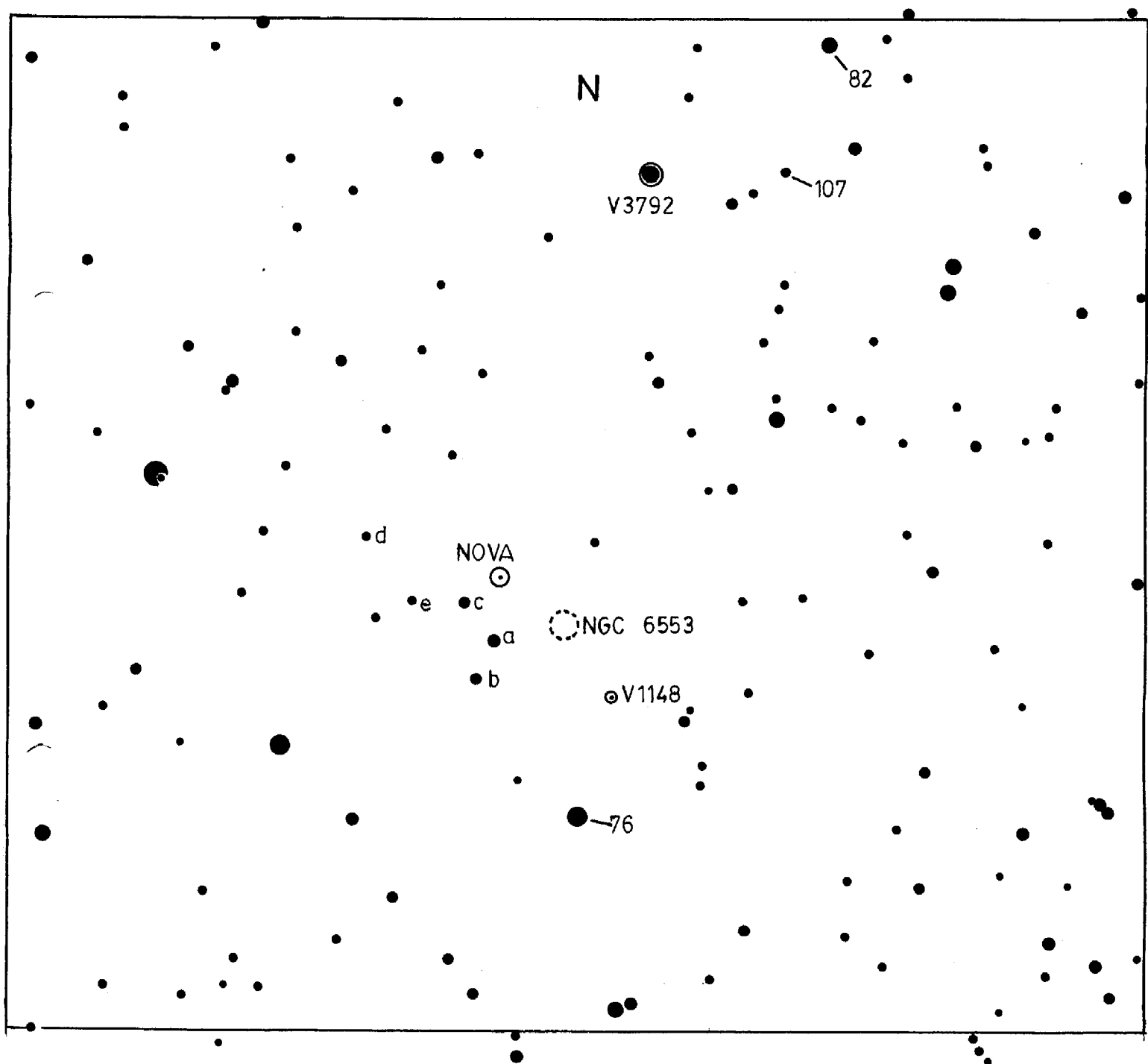
~~~~~  
✓ F.M. Bateson
A.F. Jones
P.F. Williams
✓ P. Camilleri
✓ A. Pearce
✓ W. Goltz
✓ G. Bryant
✓ T. B. Tregaskis
P. Nelson
R. H. McNaught
✓ P. Crake

Detailed chart from GSC will follow.

M. Morel.

1803-25 Nova Sagittarii 1992

Scale: 20"=1mm



VARIABLE STAR MEMORANDUM No. 18

Date: 1992 February 20

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 180325 Nova Sagittarii 1992  
Position (1950): 18h 06m 28.84s -25°52'33.3" (c/o R. H. McNaught)  
Type : Nova  
Magnitude : 7.5 - ?  
Discovered by : W. Liller/ P. Camilleri  
Confirmed by :  
Observations : Refer to VSM No. 17.  
:  
:  
:

The Chart:

~~~~~  
Scale : 10"/mm
Epoch : 2000
Prepared from : GSC
Magnitudes : V
Sequence : Lettered comparison stars.
Remarks :
: V1148 Sgr = Nova Sgr 1943.
: NGC 6553 is a globular cluster.

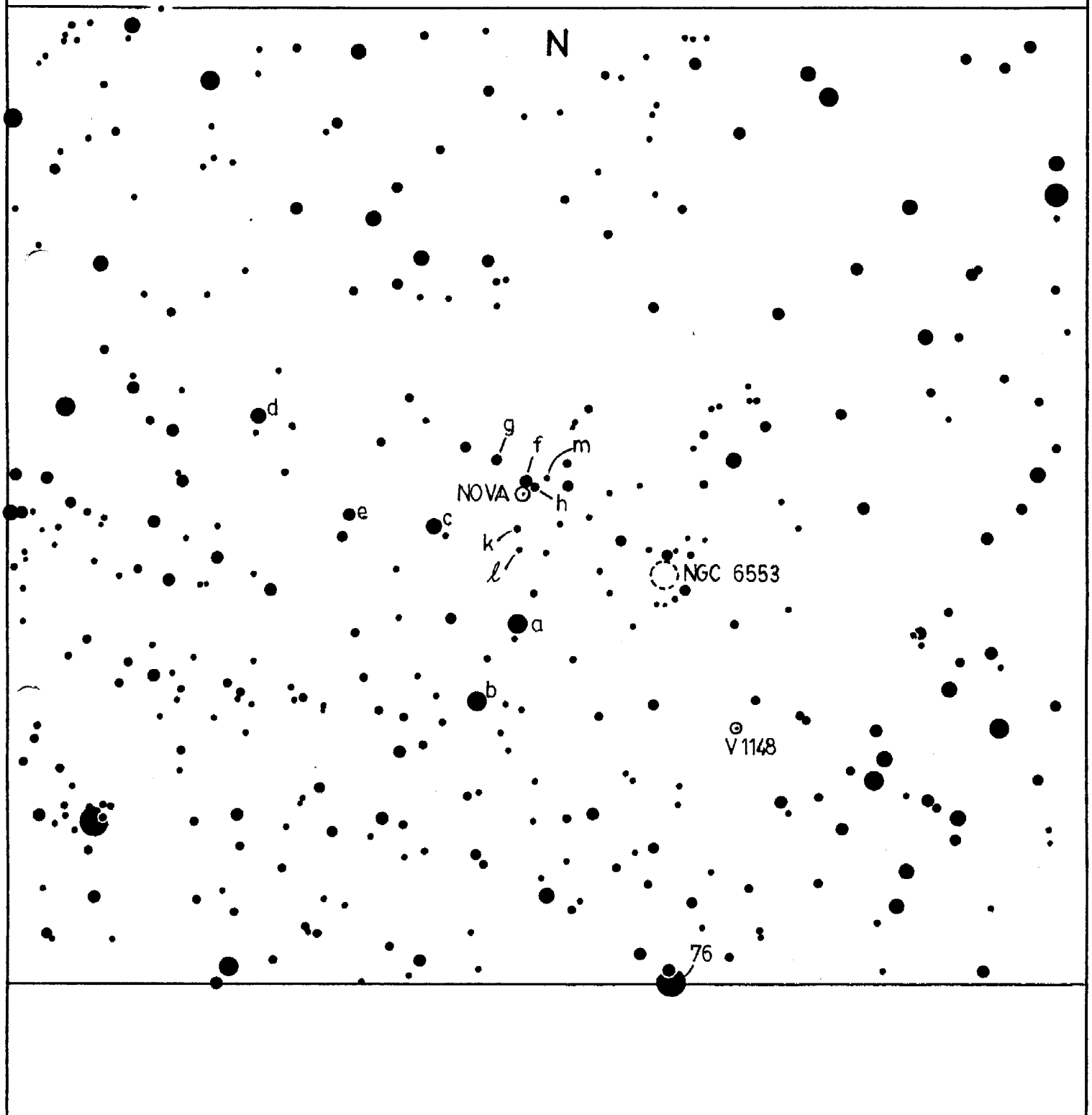
Distribution List:

~~~~~  
F.M. Bateson  
A.F. Jones  
P.F. Williams  
P. Camilleri  
A. Pearce  
W. Goltz  
G. Bryant  
T.B. Tregaskis  
P. Nelson  
R.H. McNaught  
P. Crake

M. Morel.

1803-25 Nova Sagittarii 1992

Scale: 10"=1mm



VARIABLE STAR MEMORANDUM No. 19

Date: 1992 May 25

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 170043 Nova Scorpii 1992
Position (1950): 17h 03m 42.8s -43°11'19"
Type : Nova
Magnitude : 8v- ?
Discovered by : P. Camilleri, Cobram, Victoria, 1992 May 22.
Confirmed by : T. Richards
Observations :
:
:
:

The Chart:

~~~~~  
Scale : 60"/mm  
Epoch : 2000  
Prepared from : Uranometria 2000  
Magnitudes : V from various sources  
Sequence :  
Remarks : Finder charts for this nova received from  
: Dr T. Richards, La Trobe University, Victoria  
:

Distribution List:

~~~~~  
F.M. Bateson,
A.F. Jones
P.F. Williams
P. Camilleri
[REDACTED]
W. Goltz
G. Bryant
T.B. Tregaskis
P. Nelson
R.H. McNaught
P. Crake

Detailed chart from GSC will follow.

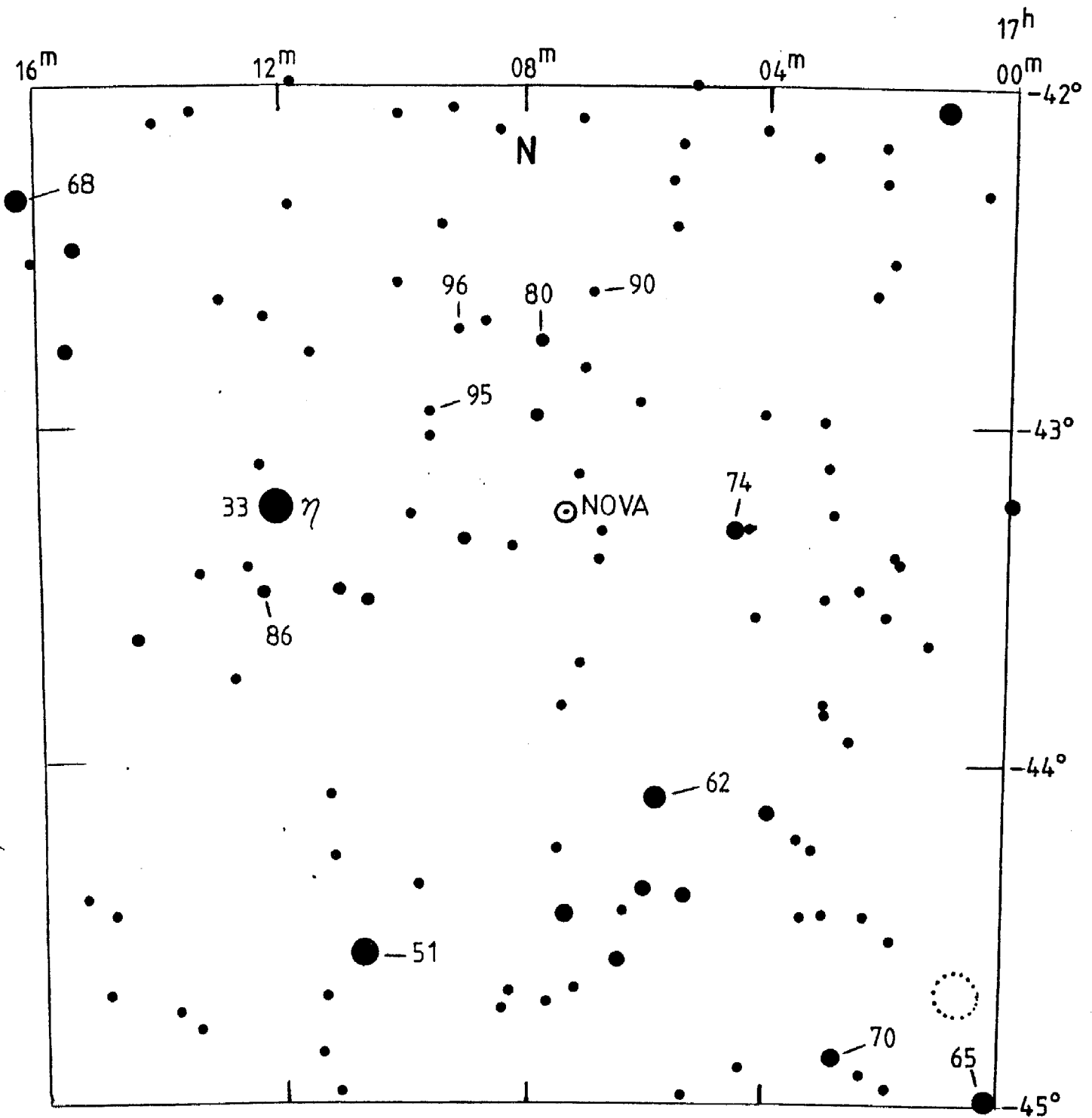
Regards,

mati morel

Matl Morel

1700-43 Nova Scorpii 1992

Scale: 60"=1mm



MOREL ASTROGRAPHICS (for and on behalf of VSS, RASNZ)

18 Elizabeth Cook Dr
Rankin Park
NSW 2287
Ph: 049 526429

VARIABLE STAR MEMORANDUM No. 20

Date: 1992 MAY 28

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 170043 Nova Scorpii 1992  
Position (1950): 17h 03m 42.8s -43°11'19"  
Type : Nova  
Magnitude : 8v - ?  
Discovered by : P. Camilleri, Cobram, Victoria 1992 May 22  
Confirmed by :  
Observations :  
:  
:  
:

The Chart:

~~~~~  
Scale : 10"/mm
Epoch : 2000
Prepared from : GSC
Magnitudes :
Sequence : Lettered comparison stars, from T. Richards chart.
Remarks :
:
:

Distribution List:

~~~~~  
F.M. Bateson  
A.F. Jones  
P.F. Williams  
P. Camilleri  
W. Goltz  
G. Bryant  
T. B. Tregaskis  
P. Nelson  
R. H. McNaught  
P. Crake  
R. Price  
T. Richards

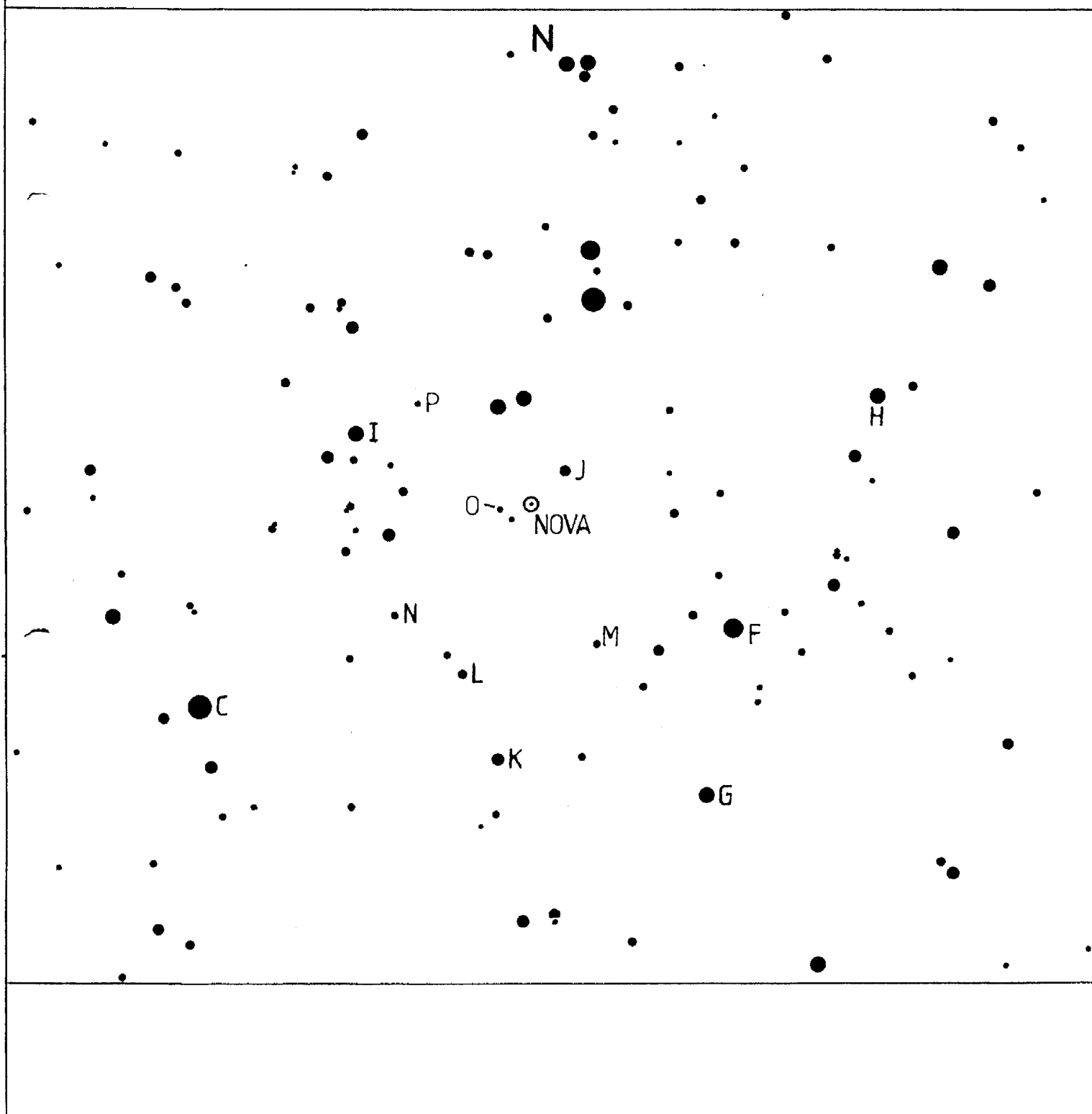
Regards,

*Mati Morel*

Mati Morel

1700-43 Nova Scorpii 1992

Scale: 10"=1mm



## VARIABLE STAR MEMORANDUM No. 21

Date: 1992 June 8

Advice of unusual stellar object and/or activity.

## The Object:

~~~~~

Name : 083236 NSV 4154 Pyx
Position (1950): 08h 34m 55s -36°16'
Type : Mira
Magnitude : 8.5v-
Discovered by : P. Camilleri; near maximum on patrol photo, 1992 May 28.
Confirmed by : M. Morel, 1992 June 5 (9.1v).
Observations : 1991 Dec. 11 ~11
: 1992 Jan. 25 ~11
: Mar. 08 ~11
: Apr. 09 ~9.5
: May 28 & 30 ~8.5

The Charts :

~~~~~

	<u>Chart 1.</u>	<u>Chart 2.</u>
Scale	20"/mm	10"/mm
Epoch	1875	2000
Prepared from	CoD and CPD	GSC
Magnitudes	V	
Sequence	Lettered comp. stars	
Remarks	Stars 'a' and 'b' have acceptable visual mags, from SAO catalogue. a = 8.7      b = 9.5	

Charts plotted by MM. CHARTS ARE PRELIMINARY AND SUBJECT TO AMENDMENT.

## Distribution List:

~~~~~

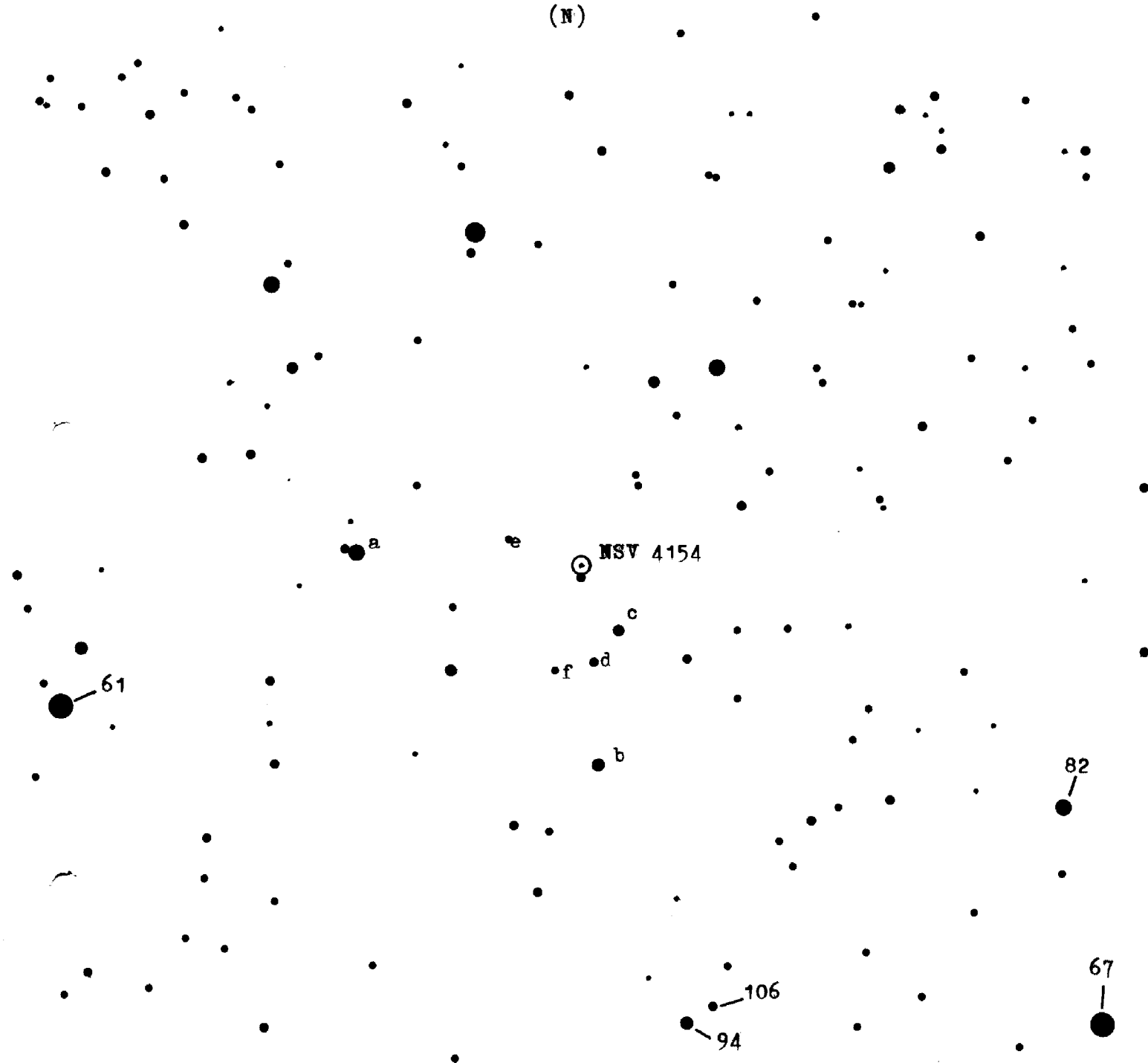
F.M. Bateson
A.F. Jones
P.F. Williams
P. Camilleri
W. Goltz
G. Bryant
T.B. Tregaskis
P. Nelson
R.H. McNaught
R. Price
T. Richards

Comment.

NSV 4154 was originally identified by Bidelman and MacConnell (AJ 78, 687, 1973) as a Mira variable, from the H emission lines in its spectrum. The published details in NSV catalogue are very scanty and provide little help to identify NSV 4154. Paul Camilleri has performed a valuable service in catching the star at max., and demonstrating that it can be quite bright. NSV 4154 is not in such catalogues as CoD, CPD, HD or SAO, but is in the Guide Star Catalogue as GSC 7148-3970, mag. 8.59, coordinates (J2000) 8h36m48.90s -36°27'37.9".

M. Morel.

(N)



VARIABLE STAR MEMORANDUM No. 22

Date: 1992 July 20

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 181728 Nova Sagittarii 1992b  
Position (1950): 18h 20m 18s -28°23.7'  
Type : Nova  
Magnitude : ?  
Discovered by : W. Liller, 1992 July 6.  
Confirmed by :  
Observations :  
:  
:  
:  
: Advice of nova, and prelim. chart, received from  
T. Richards, La Trobe University.

The Chart:

~~~~~  
Scale : 20"/mm
Epoch : J2000
Prepared from : GSC and Papadopolus Visual Atlas.
Magnitudes : 6.2 is V.
Sequence : Lettered comparison stars, after T. Richards chart.
Remarks :
:
: This chart by MM. Chart is preliminary and subject to
amendment.

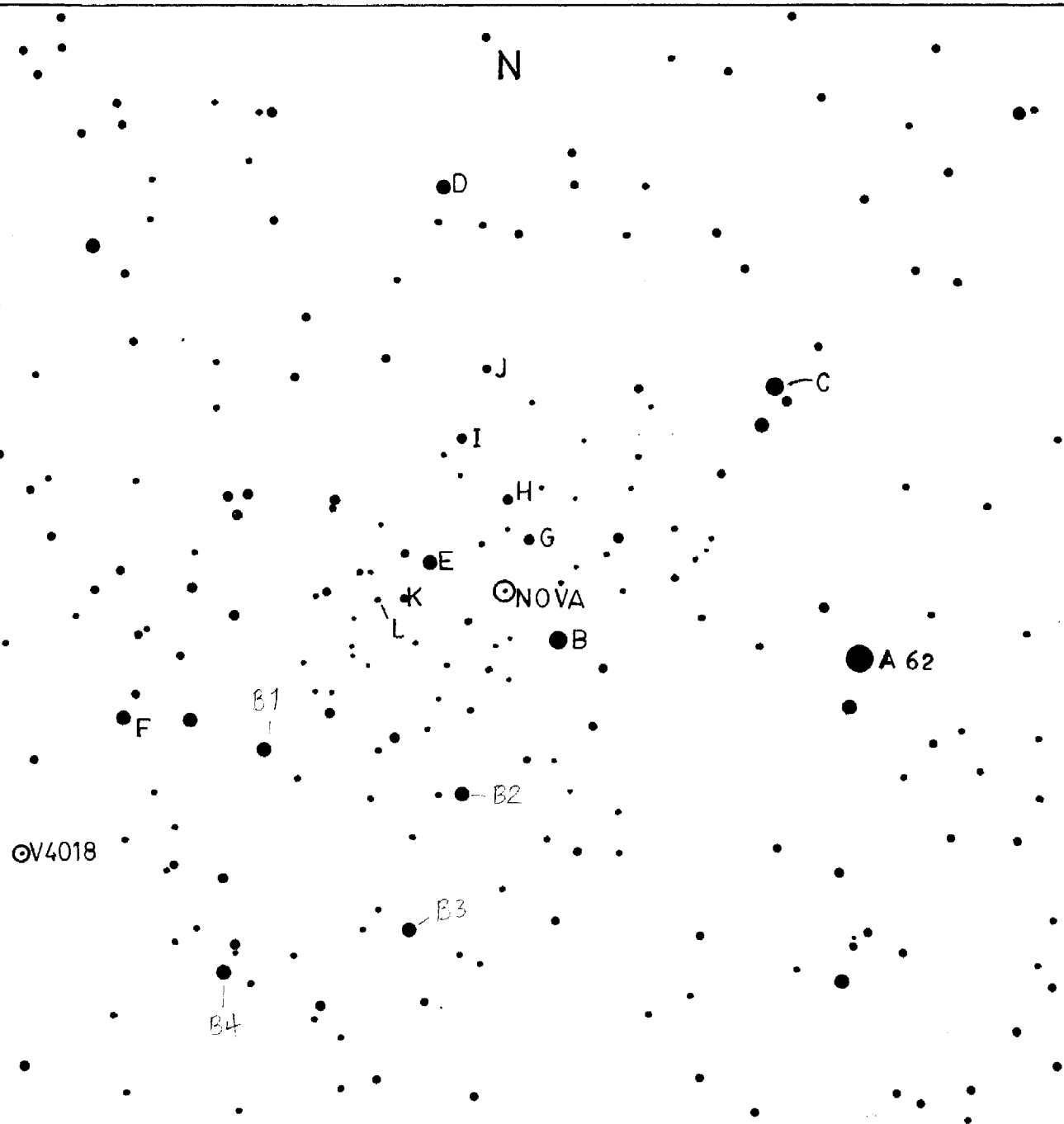
Distribution List:

~~~~~  
F.M. Bateson  
A.P. Jones  
P.F. Williams  
P. Camilleri  
W. Goltz  
G. Bryant ✓  
T.B. Tregaskis ✓  
P. Nelson  
R. H. McNaught ✓  
P. Crake  
T. Richards

M. Morel

1817-28 Nova Sagittarii 1992b

Scale: 20"=1mm



VARIABLE STAR MEMORANDUM No. 23

Date: 1992 July 30

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 181728 Nova Sagittarii 1992 No. 2
Position (1950): 18h 20m 18s -28°23.7'
Type : Nova
Magnitude : 8 - ?
Discovered by : W. Liller, 1992 July 6.
Confirmed by :
Observations :
:
:
:

The Chart:

~~~~~  
Scale : 10"/mm  
Epoch : J2000  
Prepared from : GSC and Papadopolus Visual Atlas.  
Magnitudes : V, from A. Gilmore, Mt John Univ. Observatory  
Sequence : Lettered sequence stars, T. Richards chart.  
Remarks :  
:  
:  
: This chart by MM. Chart is preliminary and subject to amendment.

Distribution List:

~~~~~  
F.M. Bateson
A.F. Jones
P.F. Williams
P. Camilleri
W. Goltz
G. Bryant
T.B. Tregaskis
P. Nelson
R.H. McNaught
P. Crake
T. Richards
R. Price

V4169 Sgr. 181728

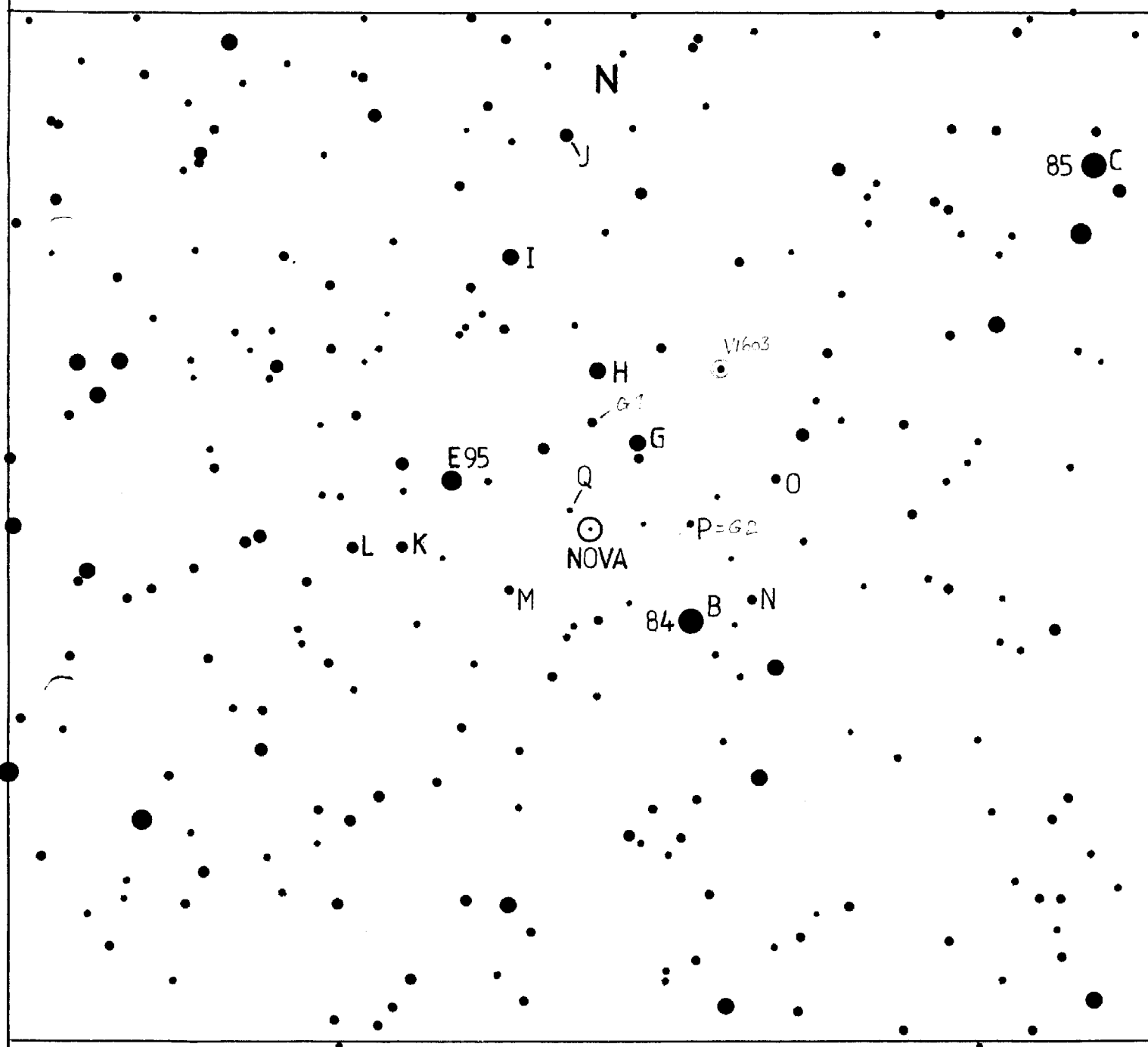
Position - IAU Circ. 5566
(R. McNaught).

(1950): 18^h20^m17^s.29 -28°23'35".6

(2000): 18 23 26.95 -28 22 0.1

1817-28 Nova Sagittarii 1992b

Scale: 10"=1mm



VARIABLE STAR MEMORANDUM No. 24

Date: 1992 October 18

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 181723 Nova Sagittarii 1992 No. 3.  
Position (1950): 18h 20m 39.43s -23°01'05.5"  
Type : Nova  
Magnitude : 9.0 -  
Discovered by : P. Camilleri, Cobram, Vic.  
Confirmed by :  
Observations : Sept. 29.41 (12  
: Oct. 13.40 9.0  
:  
:

The Chart:

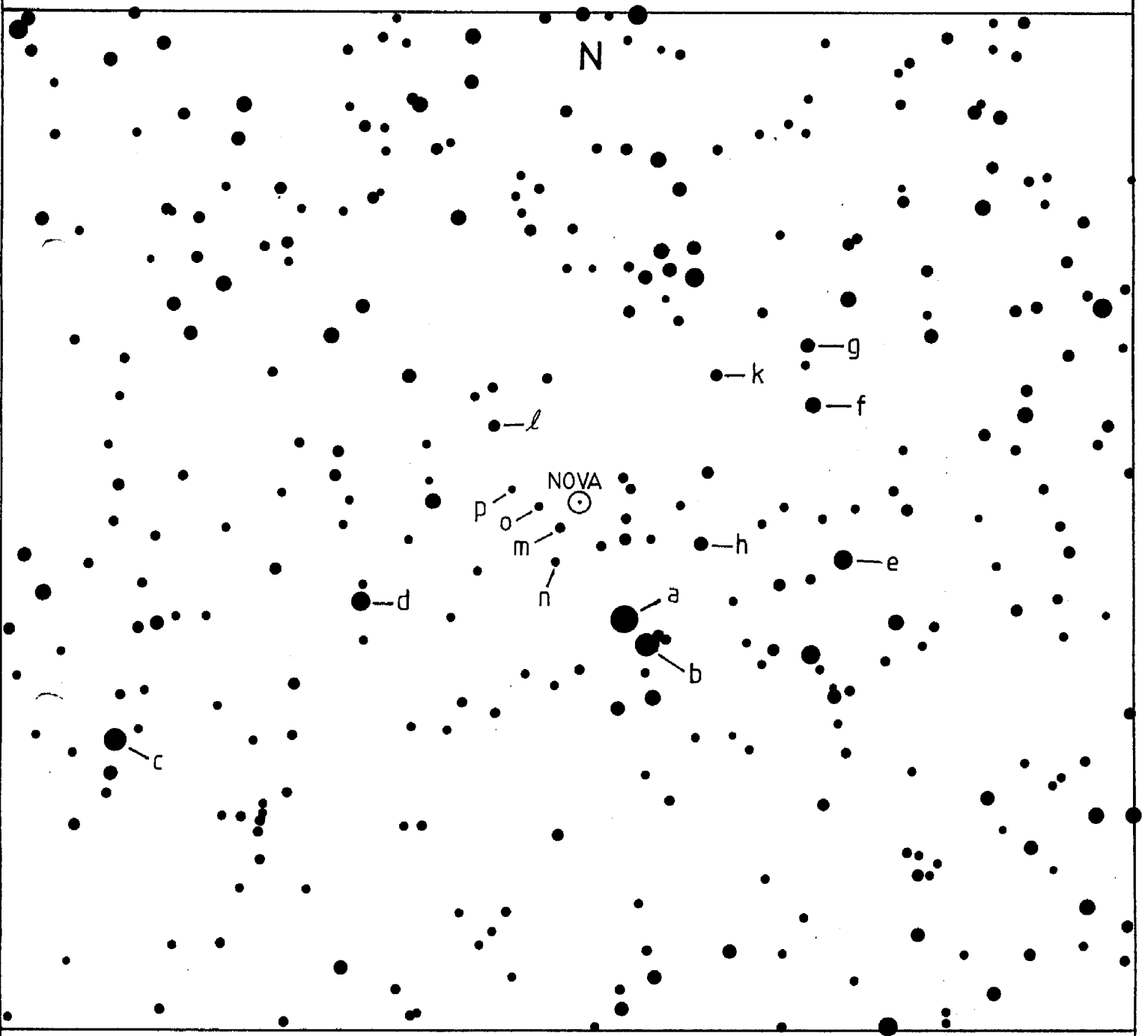
~~~~~  
Scale : 10"/mm
Epoch : 2000
Prepared from : GSC
Magnitudes :
Sequence : Lettered stars selected by MM. GSC mags below (means of 2
or 3 observations). a 8.32 (HD 169016, 7.9v, 9.3p) f 11.09 n 13.07
: b 9.18 (HD 168989, 9.5v, 9.0p) g 11.50 o 13.26
: c 9.52 (HD 169231, 9.7v, 9.4p) h 11.61 p 13.85
: d 10.30 (HD 169138, 10.4v, 10.2p) k 12.03
: e 10.95 l 12.35
m 12.69
Distribution List:
~~~~~

F. M. Bateson  
A. F. Jones  
P. F. Williams  
P. Camilleri  
W. Goltz  
G. Bryant  
T. B. Tregaskis  
P. Nelson  
R. H. McNaught  
P. Crake  
T. Tichards  
A. Gilmore

M. Morel.

1817-23 Nova Sagittarii 1992 #3

Scale: 10"=1mm



VARIABLE STAR MEMORANDUM No. 25A

Date: 1992 November 13

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 051969 Nova LMC 1992 (Doradus)
Position (1950): 05h19.7m -68°57'
Type : Nova
Magnitude : 10.7 -
Discovered by : W. Liller
Confirmed by :
Observations : Nov. 4 15^m
: 11 10.7
:
:

The Chart:

~~~~~  
Scale : 10"/mm  
Epoch : 1950  
Prepared from : Hodge & Wright Atlas of LMC  
Magnitudes : V  
Sequence : From published UBV data.  
Remarks : Position of nova marked on chart is only approximate.  
: May be subjected to revision.  
:

Distribution List:

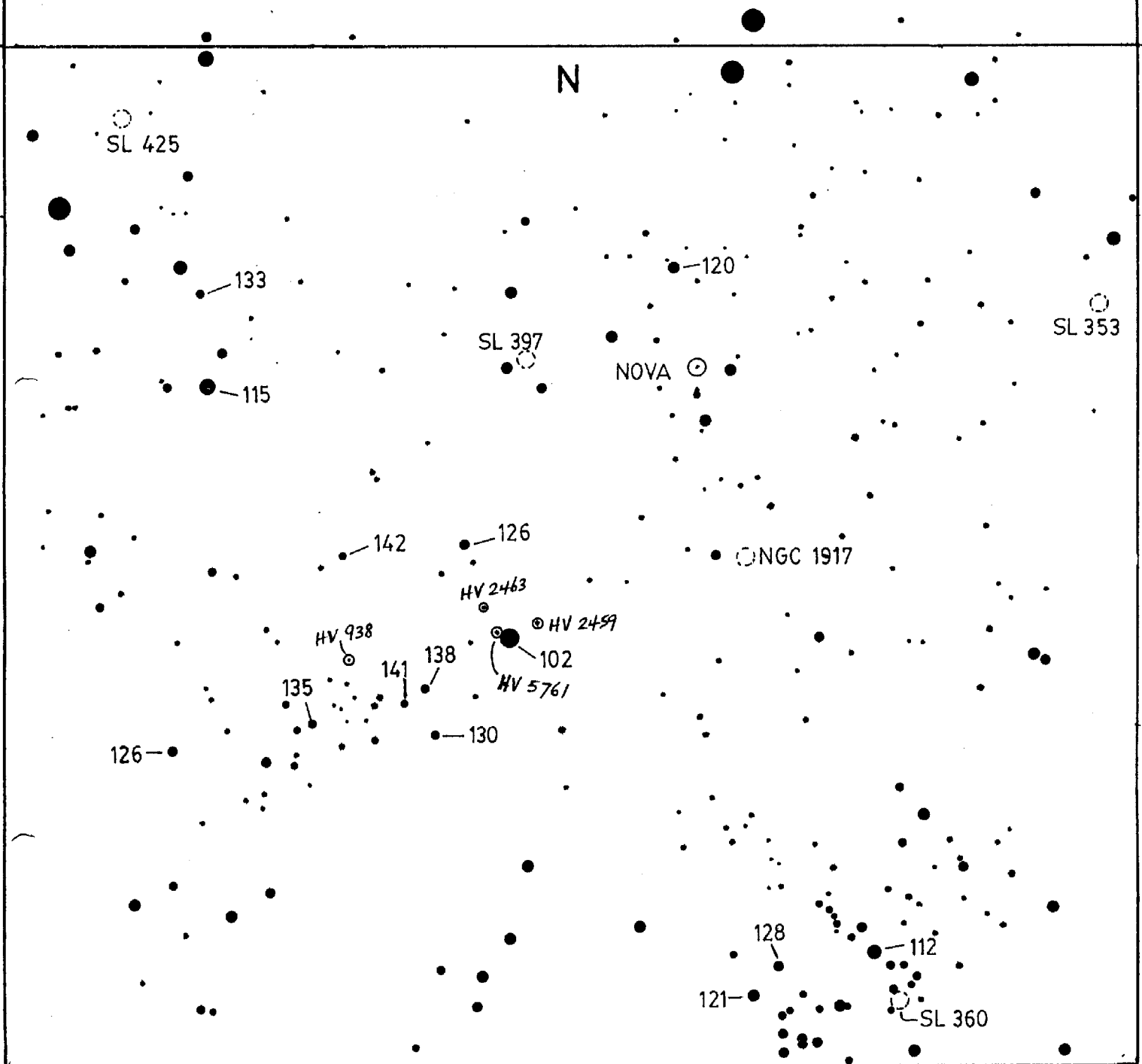
~~~~~  
F.M. Bateson
A.F. Jones
P.F. Williams
P. Camilleri
W. Goltz
G. Bryant
T.B. Tregaskis
P. Nelson
R.H. McNaught
P. Crake
T. Richards
A. Gilmore

*1992 Nov. 15. Position of Nova
amended from visual observation.
Additional V mags. added, from
P. Lucke study of LMC stellar
associations.
Some LMC variables marked on
chart, but not labelled.*

M. Morel

0519-69 Nova LMC 1992

Scale: 10"=1mm



VARIABLE STAR MEMORANDUM No. 26

Date: 1993 April 18

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 171923 NOVA OPH 1993  
Position (1950): 17h 22m 04.41s -23°08'32.2" (courtesy R.H. McNaught).  
Type : Nova  
Magnitude : 9.5v -  
Discovered by : P. Camilleri  
Confirmed by : P. Williams  
Observations : April 1 (12  
: 14 9.5pv  
: 16 9.5pv  
: 17 9.5v (P.Williams)  
: 17 9.5v (P.Camilleri)

The Chart:

~~~~~  
Scale : 20"/mm
Epoch : 1875
Prepared from : CoD and CPD
Magnitudes : V
Sequence : Hipparcos Input Catalogue.
Remarks : HIC DATA: V B-V
: '86' 8.60 +0.60
: '94' 9.35 +0.528
: '82' 8.185 +0.478

Distribution List:

~~~~~  
F.M. Bateson,  
A.F. Jones  
P.F. Williams  
P. Camilleri  
W. Goltz  
G. Bryant  
T. B.Tregaskis  
P. Nelson  
R. H. McNaught  
P. Crake  
A. Gilmore

GSC chart will follow.

M. Morel

171923

V2295 OPHIUCHI

1135

See also Charts 1136/7

(1950)  $17^h 22^m 04^s$   $-23^\circ 08' 32''$

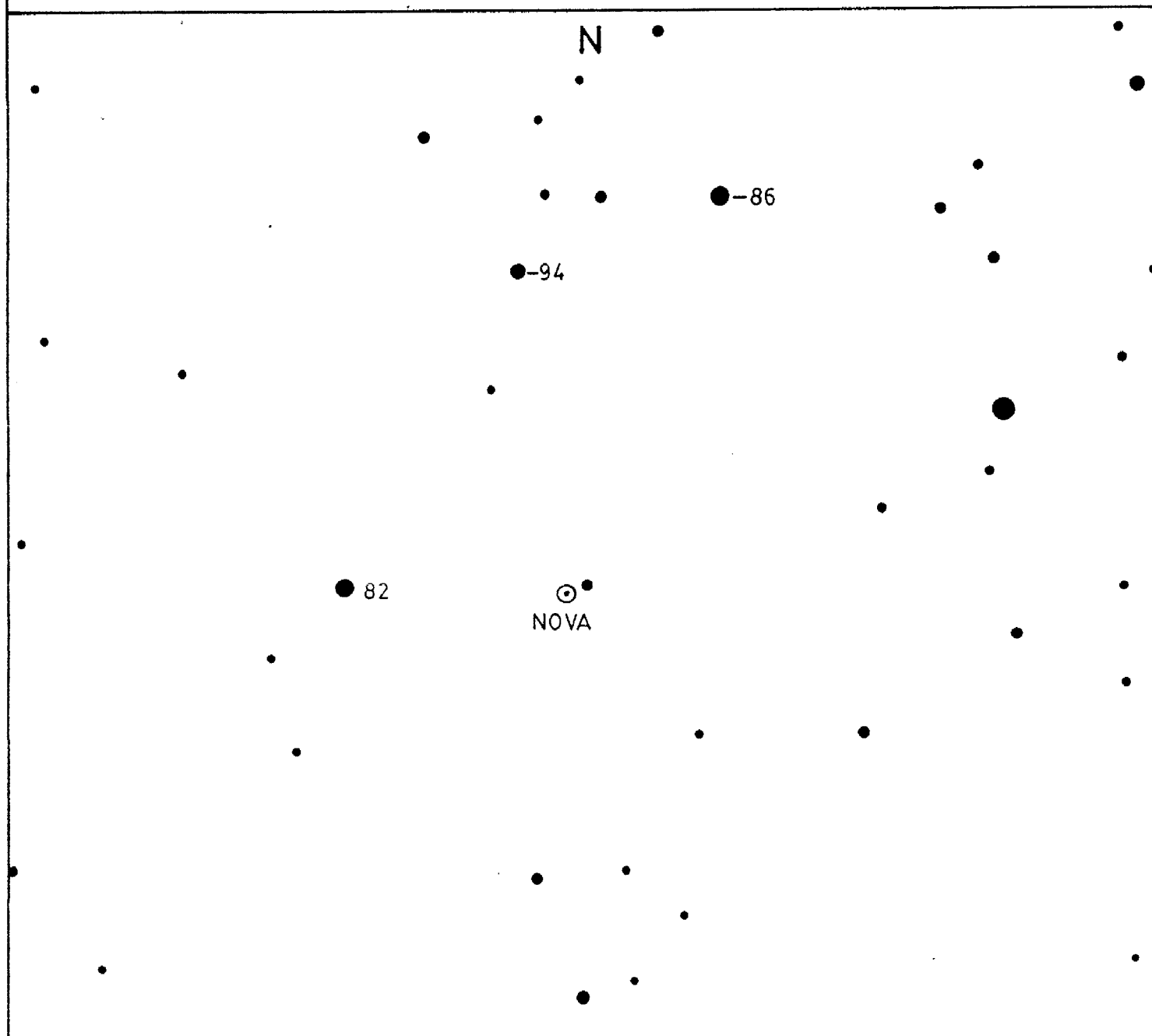
(2000) 17 25 06 -23 11 11

(= Nova Oph 1993)

Type: N

Range: 9.5v - ?

SCALE: 20" = 1mm



Plotted by M.M. from SAO & CoD  
MAGNITUDES: V

EQUINOX: 1950  
FMB 1.3.95

VARIABLE STAR MEMORANDUM No. 27

Date: 1993 April 21

Advice of unusual stellar object and/or activity.

The Object:

~~~~~  
Name : 171923 Nova Oph 1993
Position (1950): 17h 22m 04.41s -23°08'32.2"
Type : Nova
Magnitude : 9.5v -
Discovered by : P. Camilleri
Confirmed by :
Observations :
:
:
:

The Chart:

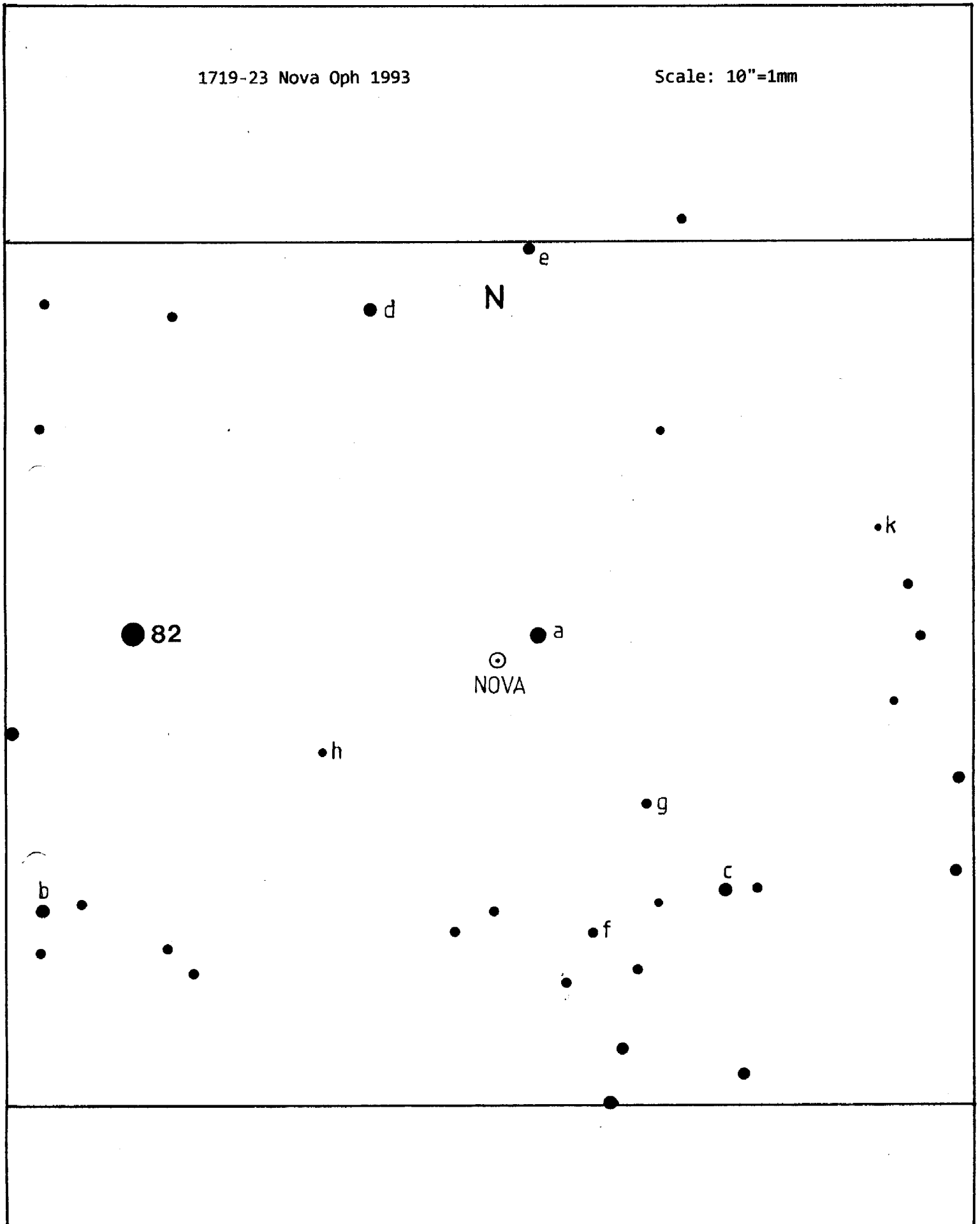
~~~~~  
Scale : 10"/mm  
Epoch : 2000  
Prepared from : GSC  
Magnitudes : V  
Sequence : Lettered comparison stars, as selected.  
Remarks :  
: Note for GSC users.  
: GSC 6825-00123 (m = 10.54), at 17h24m52.88s -23°10'50.7"  
(J2000), was not seen, <12.0v, on April 18.0 GMAT.  
No known variable at this position, about 19mm West of  
Distribution List: the nova. Deleted from chart.  
~~~~~

F. M. Bateson
A. F. Jones
P. F. Williams
P. Camilleri
W. Goltz
G. Bryant
T. B. Tregaskis
P. Nelson
R. H. McNaught
P. Crake
A. Gilmore

M. Morel

1719-23 Nova Oph 1993

Scale: 10"=1mm



| | | |
|---|---------------------------------------|-------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 28 |
| | object and/or unusual activity. | Date: 1993 May 19 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List: F.M. Bateson, A.F. Jones, P.F. Williams, P. Camilleri, W. Goltz, G. Bryant, T. B. Tregaskis, P. Nelson, R.H. McNaught, P. Crake, A. Gilmore, W. Liller.

OBJECT - BASIC DATA:

Name : 190801 Nova Aql 1993
 Position (B1950): 19h 10m.5 +01°28'
 Type : Nova
 Magnitude : 7. -
 Discovered by : Yamomotto (Japan)
 Confirmed by :
 Observations : Apr. 17 (10p
 May 14 7.6p
 May 15 7.6p

CHART DETAILS: NOTE: RASNZ Chart 568 (FO Aql) can be used for
 Scale : 20"/mm bright comparison mags.; also see AAVSO
 Star Atlas.

(A) Star Positions.

Equinox : J2000
 Source Catalogue: GSC (limited
 to 12.5 mag.)

(B) Magnitudes.

System : V
 Source : HIC
 Sequence Stars: a GSC 0463-03467
 b -01282
 c -00810
 d -02091
 e -00171
 f -01272
 g -01364
 h -00869

M. Morel

| | | |
|---|---------------------------------------|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 29 |
| | object and/or unusual activity. | Date: 1993 May 23 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List: F.M. Bateson, A.F. Jones, P.F. Williams, P. Camilleri, W. Goltz, G. Bryant, T.B. Tregaskis, P. Nelson, R.H. McNaught, P. Crake, A. Gilmore, W. Liller.

OBJECT - BASIC DATA:

Name : 190801 Nova Aql 1993
Position (B1950): 19h 10m 34.69s +1°29'14.2" (courtesy R. McNaught)
Type : Nova
Magnitude : 7. -
Discovered by : Yamomotto (Japan)
Confirmed by :
Observations :

CHART DETAILS:

Scale : (1) 20"/mm - update of chart in VSM 28.
 (2) 5"/mm - new chart.

(A) Star Positions.

Equinox : J2000
Source Catalogue: GSC

(B) Magnitudes.

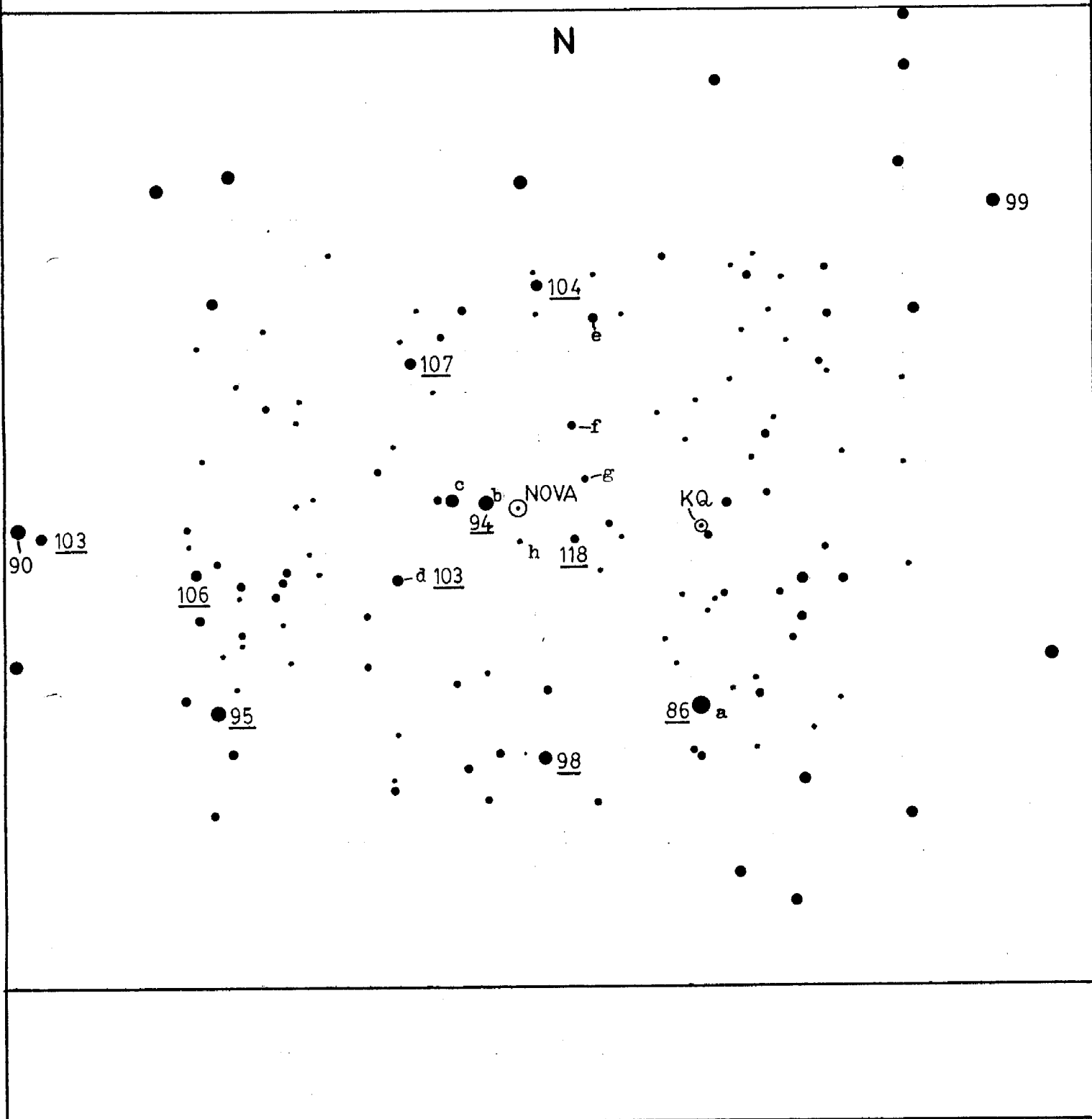
System : V / CCD V
Source : HIC / Kiyota (Japan)
Sequence Stars: Additional Lettered Stars.
 k GSC 0463-01340
 l -01598
 m -00265
 n -01712
 o -01208

CCD V mags. have been determined by Kiyota. These are shown on the charts as underlined magnitudes.

M. Morel

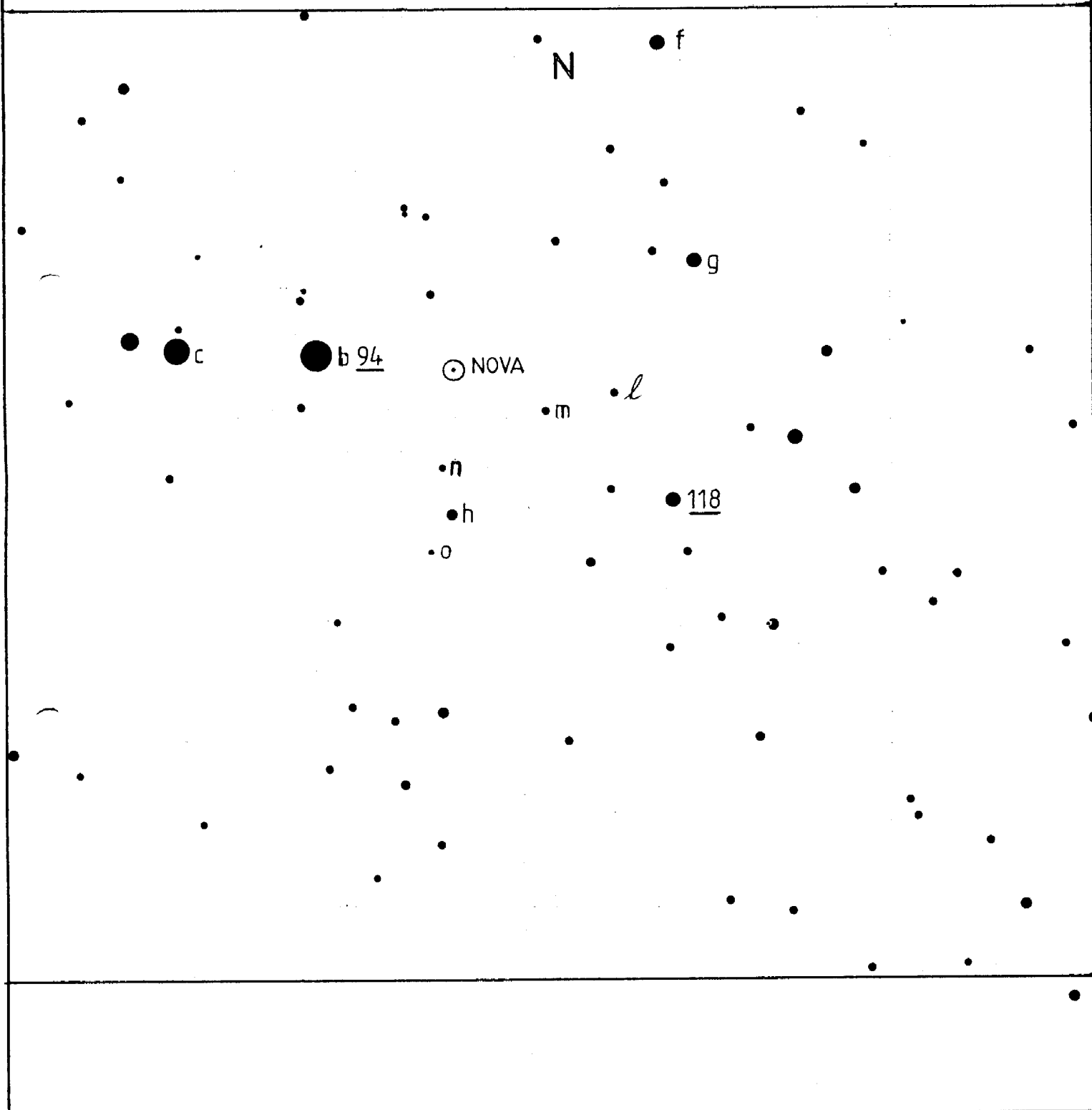
1908+01 Nova Aql 1993

Scale: 20"=1mm



1908+01 Nova Aql 1993

Scale: 5"=1mm



| | | |
|---|---------------------------------------|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 30 |
| | object and/or unusual activity. | Date: 1993 June 29 |
| Page 1: Data sheet. Page 2: Chart | | |

Distribution List: F.M. Bateson, A.F. Jones, P.F. Williams, P. Camilleri, W. Goltz, G. Bryant, T.B. Tregaskis, P. Nelson, R.H. McNaught, P. Crake, A. Gilmore, W. Liller.

OBJECT - BASIC DATA:

Name : 171923 Nova Oph 1993 = V2295 oph
Position (B1950): 17h 22m 04.41s -23°08'32.2"
Type : Nova
Magnitude : 9.5v -
Discovered by : P. Camilleri
Confirmed by :
Observations :

CHART DETAILS:

Scale : 5"/mm

(A) Star Positions.

Equinox : 2000
Source Catalogue: GSC + list of
 faint stars
 from Taichi Kato.

(B) Magnitudes.

System : V (CCD)
Source : T. Kato
Sequence Stars:

| | |
|---|---------|
| | V |
| a | : 11.07 |
| k | : 13.80 |
| l | : 14.52 |
| m | : 14.65 |
| n | : 15.00 |
| o | : 15.79 |
| p | : 16.56 |

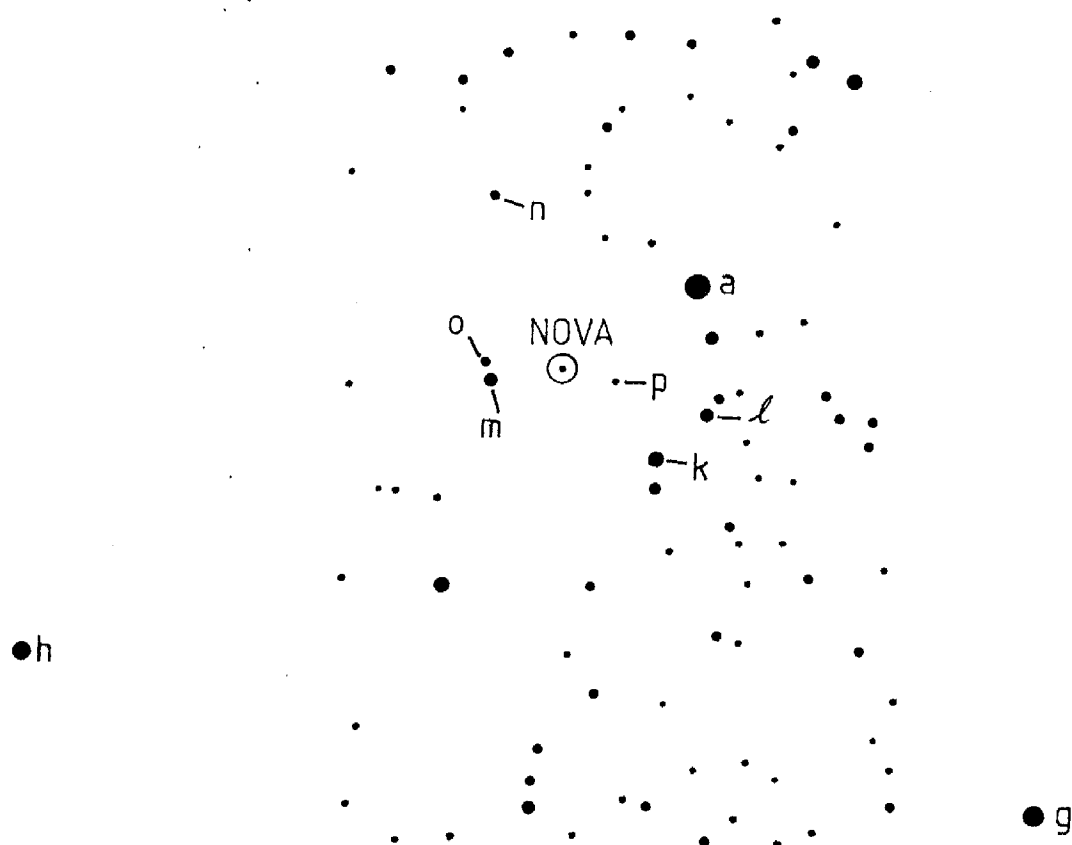
This VSM provides a selected range of faint comparison stars for this now faint nova. I thank Paul Camilleri and Taichi Kato for the list of faint stars around the nova. If any problems are found with the chart (stars obviously misplotted or missing) please advise.

M. Morel

1719-23 Nova Oph 1993

Scale: 5"=1mm

N



| | | |
|---|---------------------------------------|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 31 |
| | object and/or unusual activity. | Date: 1993 June 29 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

OBJECT - BASIC DATA:

Name : 190801 Nova Aql 1993
Position (B1950): 19h 10m 34.69s +1°29'14.2"
Type : Nova
Magnitude : 7. -
Discovered by : M. Yamamoto
Confirmed by :
Observations :

CHART DETAILS:

Scale : 5"/mm

(A) Star Positions.

Equinox : 2000
Source Catalogue: GSC

(B) Magnitudes.

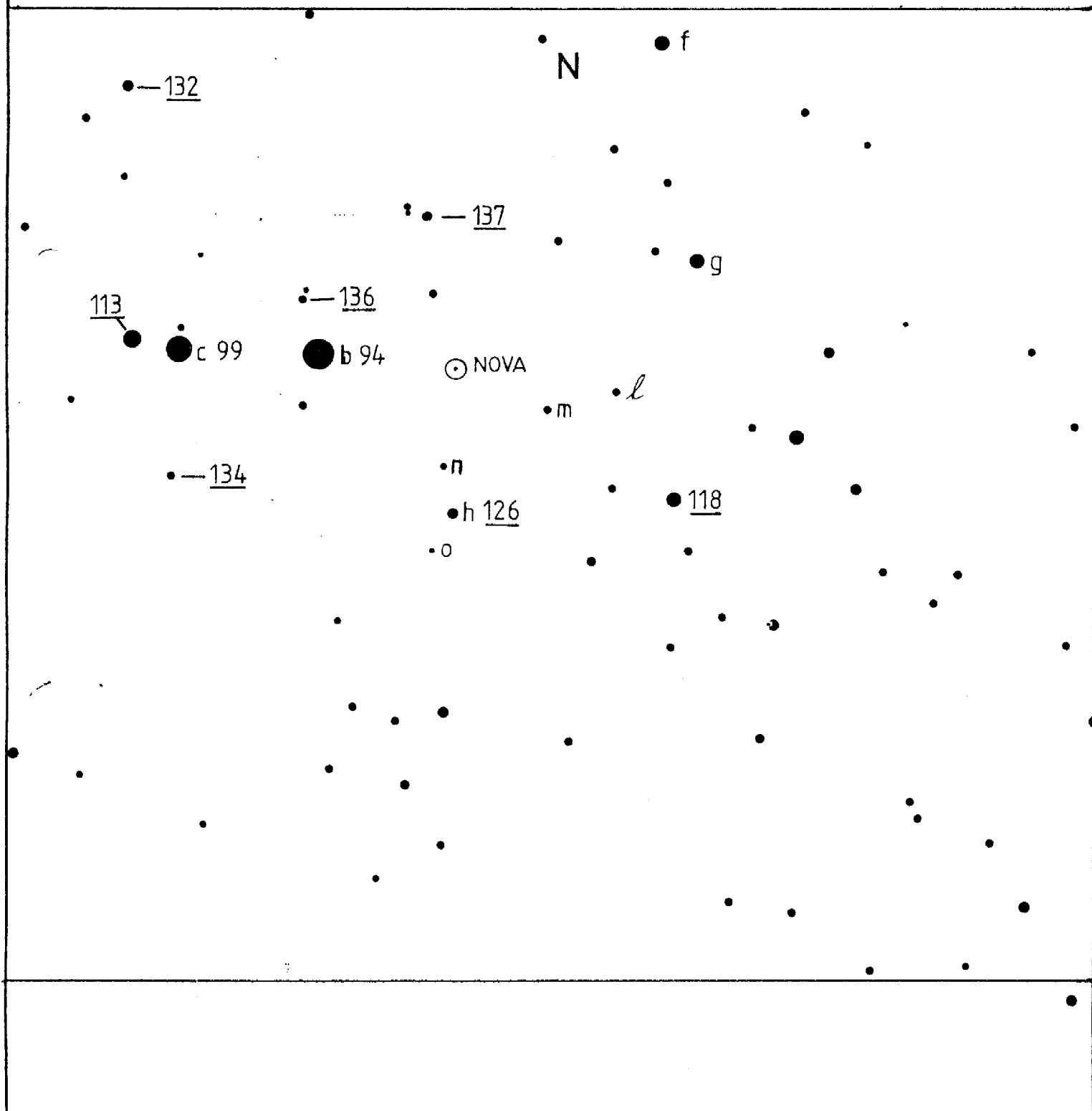
System : V
Source : Kiyota (Japan) &
 A.Gilmore (Mt John, NZ)
Sequence Stars:

Additional CCD V mags have been sent by Kiyota, via P. Camilleri. These are underlined on the chart. Alan Gilmore of Mt John University Observatory, New Zealand has also measured some stars by p.e.p., 'b' and 'c' being among them. His values agree well with the CCD V data, and are shown without underline.

M. Morel

1908+01 Nova Aql 1993

Scale: 5"=1mm



| | | |
|---|---------------------------------------|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 32 |
| | object and/or unusual activity. | Date: 1993 Sept 23 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller,
J.Park.

OBJECT - BASIC DATA:

Name : 142550 NOVA LUPI 1993
Position (B1950): 14h28m26.1s -50°57'18.3" (courtesy R. McNaught)
Type : Nova
Magnitude : 8.0p -
Discovered by : W. Liller
Confirmed by :
Observations : 1993 Sept 19.02 8.0p

Advice of nova received from P. Nelson, 1993 September 22.

CHART DETAILS:

Scale : 10"/mm

(A) Star Positions.

Equinox : J2000
Source Catalogue: GSC

(B) Magnitudes.

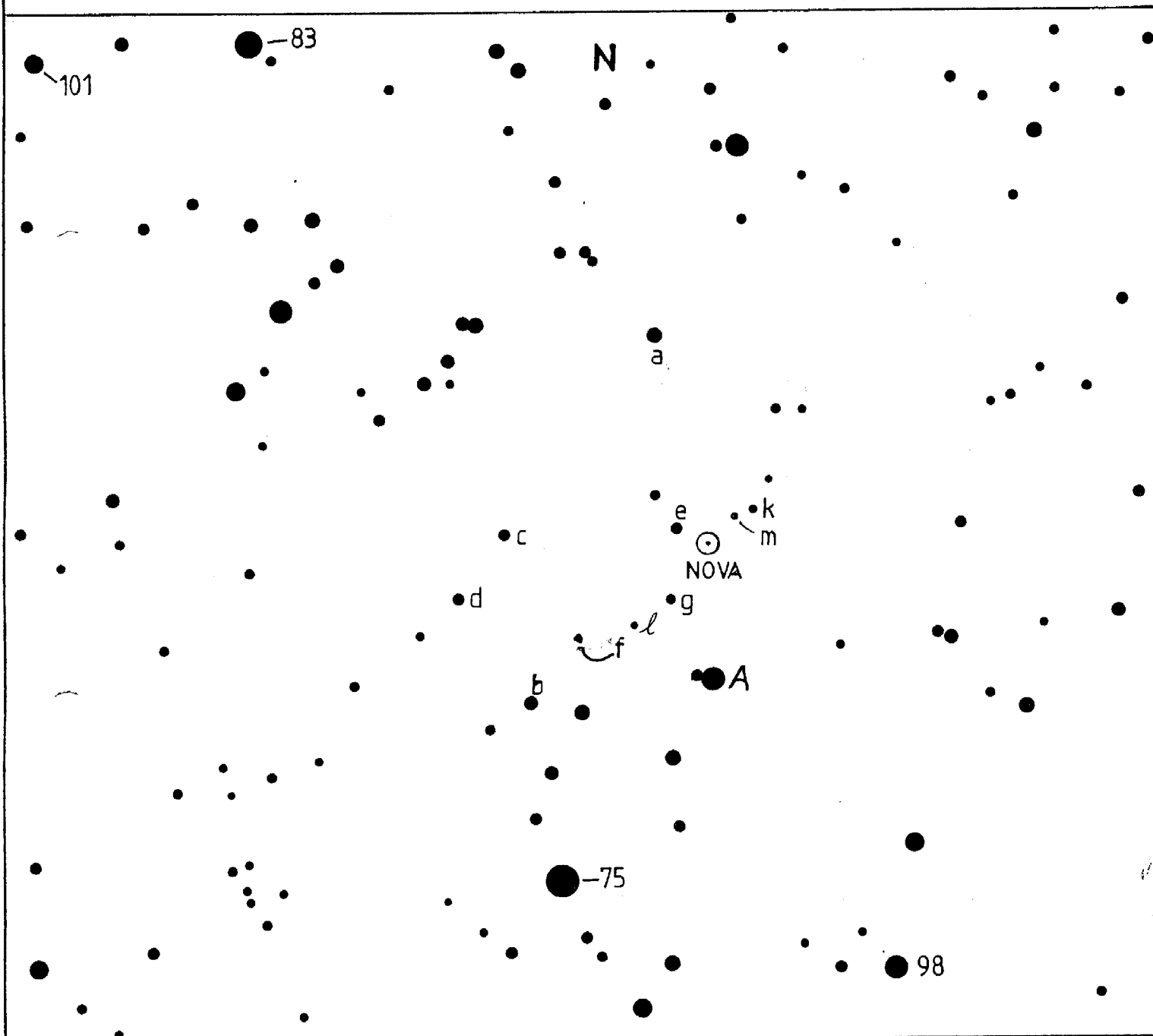
System : V
Source : Hipparcos Input
Sequence Stars: Catalogue.
 Lettered stars
 selected by MM.

M. Morel

(Page 2).

1425-50 Nova Lupi 1993

Scale: 10"=1mm



| | | |
|---|---------------------------------------|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 33 |
| | object and/or unusual activity. | Date: 1993 Sep 23 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M. Bateson, A.F. Jones, P. Camilleri, P.F. Williams, W. Goltz,
G. Bryant, P. Nelson, T.B. Tregaskis, R.H. McNaught, P. Crake, A. Gilmore
W. Liller, J. Park.

OBJECT - BASIC DATA:

Name : 180629 Nova Sgr 1993
 Position (B1950): 18h09m38.4s -29°29'54.0" (P. Kilmartin)
 Type : Nova
 Magnitude : 7.9p -
 Discovered by : W. Liller & Sugano
 Confirmed by :
 Observations : Sept 16.043 7.9p Liller
 14.508 9.0p Sugano
 21.457 9.2v P. Williams

CHART DETAILS:

Scale : 20"/mm

(A) Star Positions.

Equinox : ---

Source Catalogue:

Reproduction of Chart 613
 (chart for VZ Sgr; Series 14,
 Charts for Southern Variables,
 1981. Publ. by Astronomical Research,
 Ltd, Greerton, Tauranga). Reproduced
 by permission.
 Chart 612 (ibid) may also be used.
 Detailed chart from GSC will follow.

(B) Magnitudes.

System : V

Source : Publications 11,
 VSS, RASNZ.
 Sequence Stars: As per chart 613.
 Sequence mags have
 been inserted, and
 also position of
 nova.

M. Morel

180829 VZ SAGITTARII

613

(1950): 18h 11m 57s -29° 43.4'

(2000): 18 15 09 29 42.7

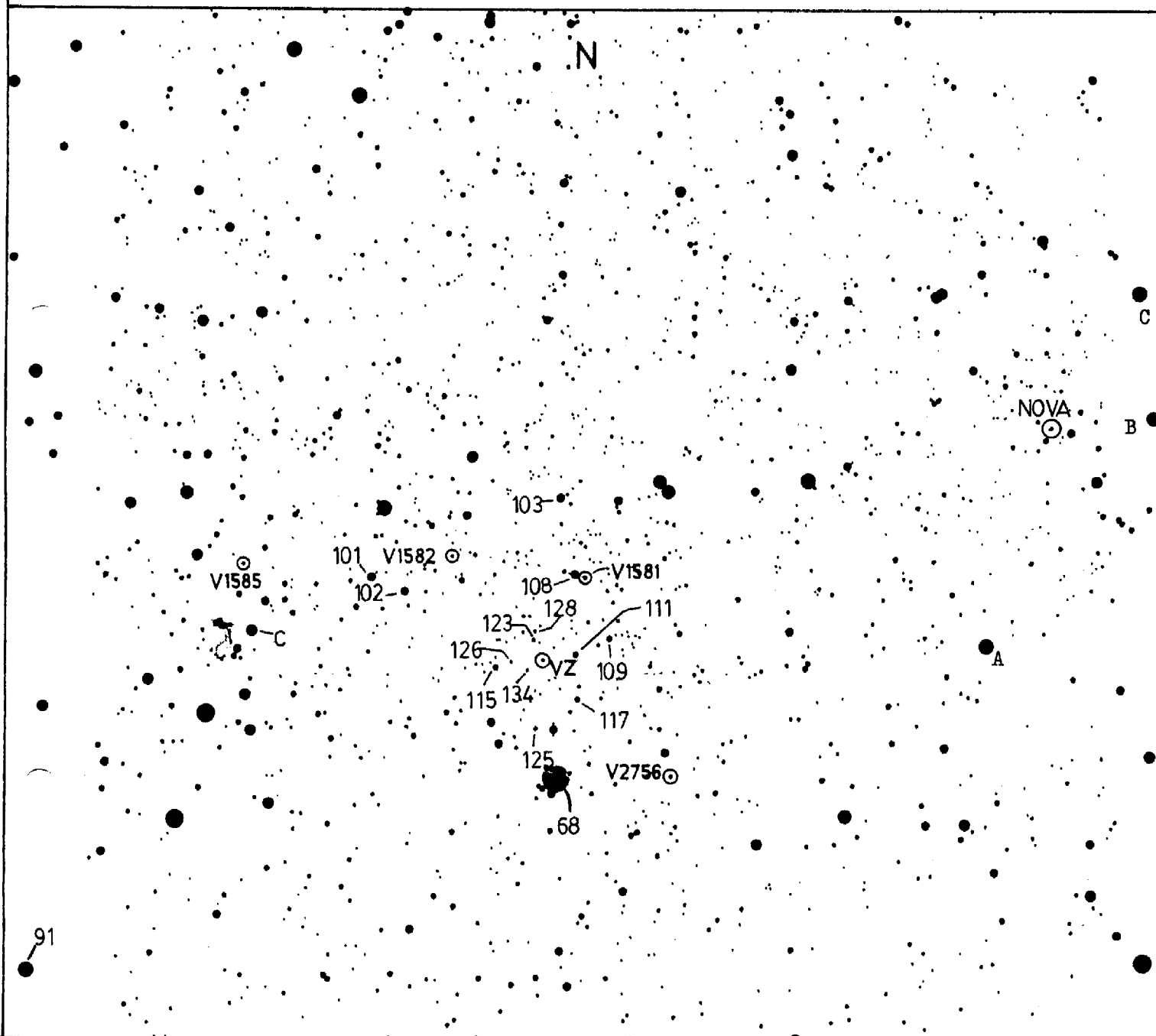
R CrB? 11.8 - (14.0p. Spec: C

SEE ALSO CHARTS
612 & 614

ALSO SHOWN:

V1581 (SR): V1582 (SR); V1585 (SR) and
V2756 Sgr (Z And? 13.2-15.2p).

SCALE: 20" = 1mm



Plotted by M.M. from Yerkes photo & CoD.
Use lettered stars for comparison.

FMB 1.6.81

| | | |
|---|---------------------------------------|-------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 34 |
| | object and/or unusual activity. | Date: 1993 Sep 29 |
| Page 1: Data sheet. Page 2: Chart | | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant, P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller. J.Park.

OBJECT - BASIC DATA:

Name : 180629 Nova Sgr 1993 = V4327 Sgr
 Position (B1950): 18h09m38.4s -29°29'54.0" (P. Kilmartin)
 Type : Nova
 Magnitude : 7.9p
 Discovered by : W. Liller & Sugano
 Confirmed by :
 Observations :

CHART DETAILS:

Scale : 10"/mm

(A) Star Positions.

Equinox : J2000
 Source Catalogue: GSC

(B) Magnitudes.

System : V
 Source : A. Gilmore, MJUO
 Sequence Stars: Lettered stars
 selected by MM.

Note: Care should be taken when reporting observations using lettered stars. Alan Gilmore, on a photo of the field, has also used 'A' and 'B' to designate comparison stars. However
 Gilmore 'A' = SAO 186445 (V = 7.747) = '77' on VSM 34 chart;
 Gilmore 'B' = SAO 186457 (V = 9.100) = Morel 'C' (91 on chart).

M. Morel

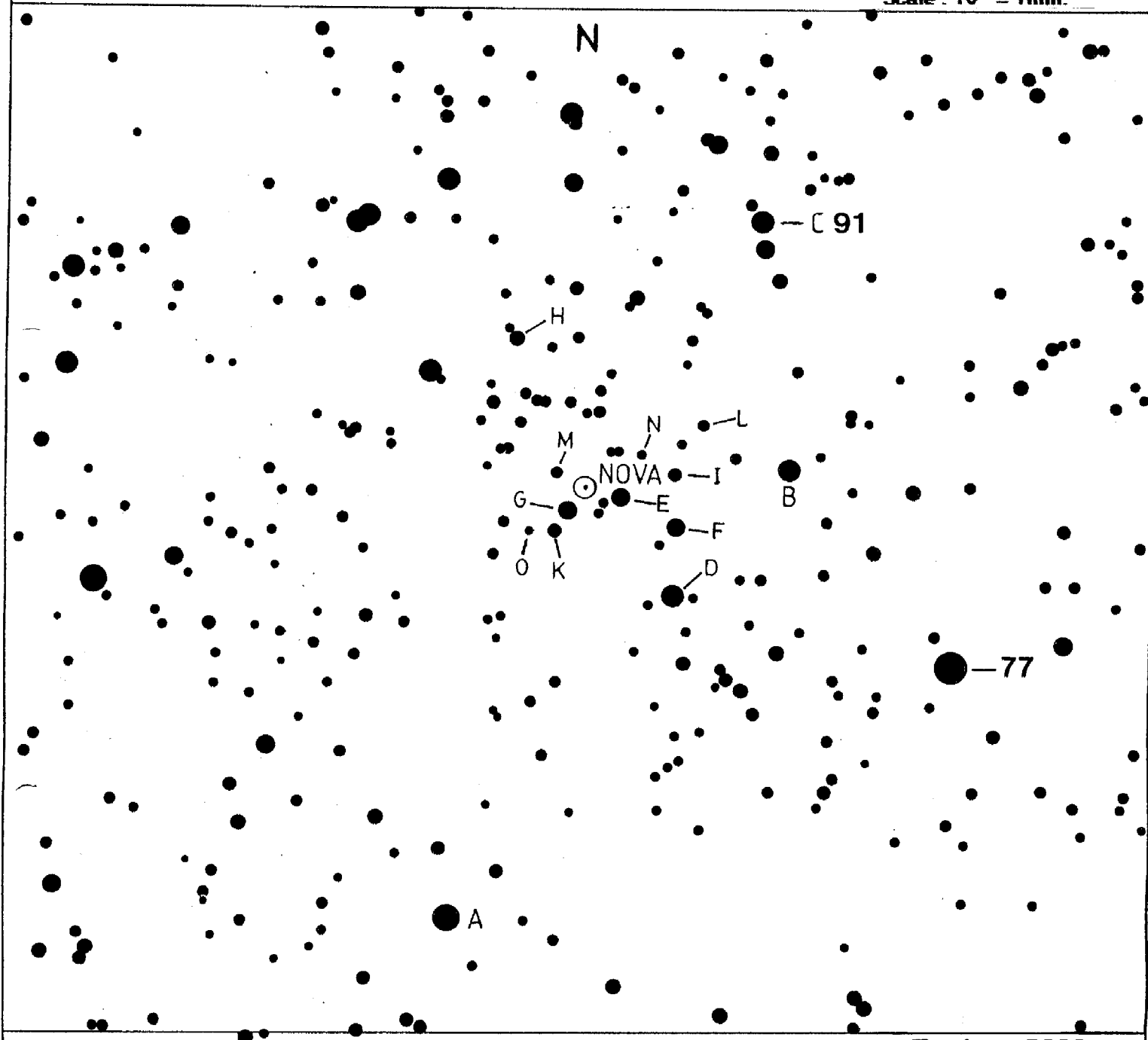
180629 Nova Sgr 1993 = V4327 Sgr

(1950): 18h09m38.4s -29°29'54"

(2000): 18h12m49.9s -29°29'05"

Nova 7.9p - Spec. ?

Scale : 10" = 1mm.



Equinox 2000

Plotted from GSC.

Mags. : V, from HIC. Use lettered comparison stars.

(C) 1993 M. Morel. Reproduction permitted with due acknowledgement.

| | | |
|---|--|----------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 35 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 January 8 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 072425 LSS 437 Puppis
Position (B1950): 7h26m50.1s -26°00'20"
Type : X-Ray (Possible visual variable)
Magnitude : 11.56V B-V +0.31 U-B -0.60

Discovered by :

Confirmed by :

Observations :

GENERAL NOTES:

This is an interesting star, spectroscopically. According to W. Buscombe's 1990 Catalogue of MK Spectral Classifications, its spectral type is B1:(V)e, and is an X-Ray variable. Scant information is available. It MAY be variable visually, but variations, if any, are probably best observed photoelectrically.

CHART DETAILS:

Scale : 20" = 1mm

(A) Star Positions.

Equinox : 1875
Source Catalogue: CoD + CPD +
GSC

(B) Magnitudes.

System : V
Source : HIC

Sequence Stars: Approx. GSC mags.
a 10.2 e 11.3 k 12.2
b 10.5 f 11.6
c 10.8 g 11.8
d 11.1 h 12.0

This field is on chart 987 (VY CMa), lying just east of VZ CMa. The chart is produced 'on spec', as it lies close to a well known program star. Visual observers may care to check the star from time to time, looking for gross variations. I am inclined to think however that this star is really a target for photoelectric observers.

M. Morel

072425 LSS 437 Puppis = V441 Pup

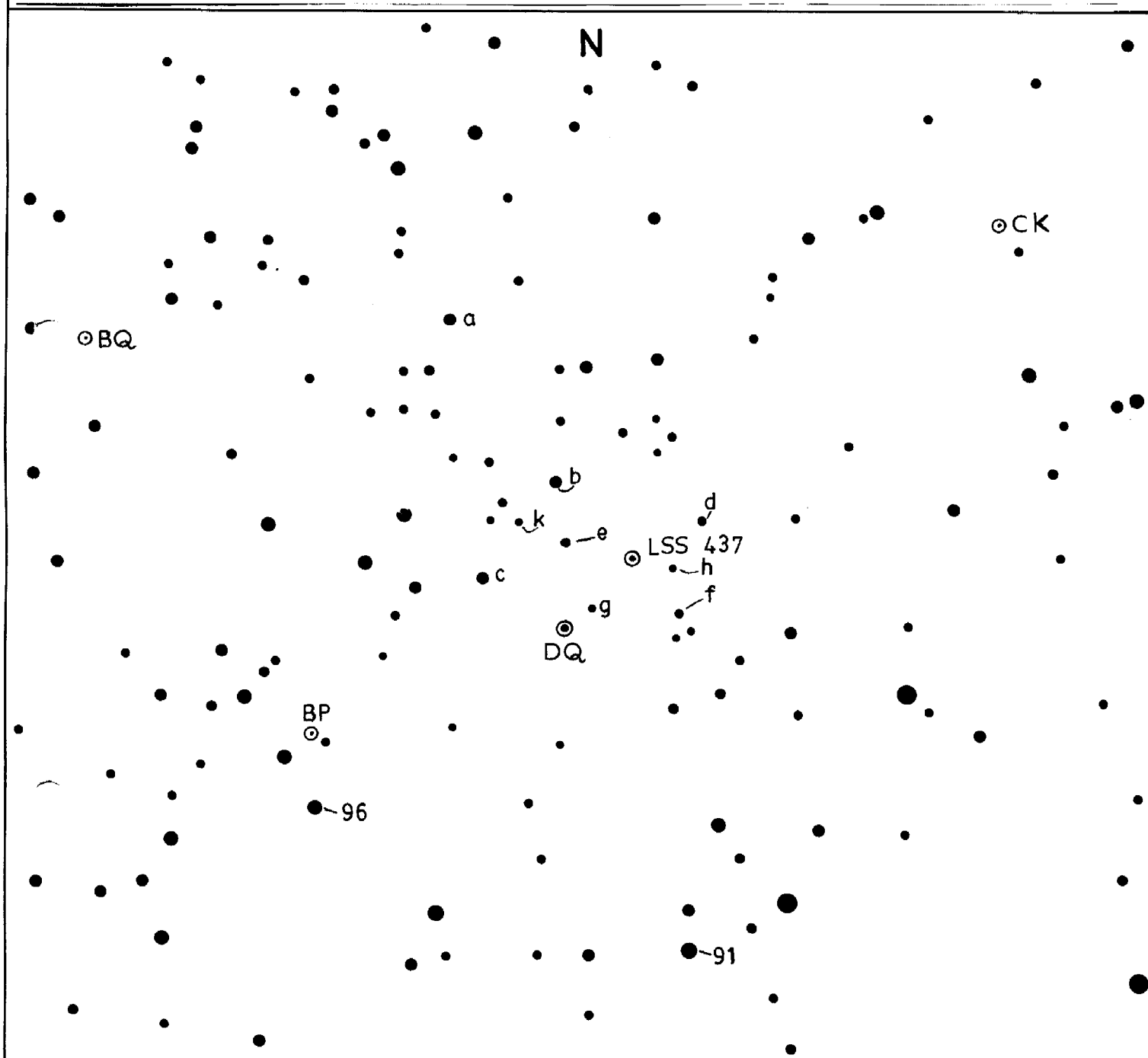
(1950): 7h26m50.1s -26°00'20"

(2000): 7h28m53.6s -26°06'29"

X-Ray: 11.56V. Spec. B1:(V) e

Other Puppis variables: CK (Cep), DQ (SR), BP (EB/D), BQ (RRAB).

Scale: 20" = 1mm.



Equinox 1875.

Plotted from CoD, CPD & GSC.

Mags. : V, from HIC. Use lettered comparison stars.

(C) 1993 M. Morel. Reproduction permitted with due acknowledgement.

| | | |
|---|---------------------------------------|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 36 |
| | object and/or unusual activity. | Date: 1994 March 3 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant, T. Cragg,
P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 184421 Nova Sgr 1994 = V4332 Sgr
Position (B1950): 18h47m30s -21°21'
Type : Nova
Magnitude : 8.4p -
Discovered by : Yamamoto
Confirmed by :
Observations :

DETAILS ON THIS OBJECT ARE STILL SKETCHY.
POSITION APPROXIMATE ONLY.

CHART DETAILS:

Scale : 20" = 1mm

(A) Star Positions.

Equinox : 1875
Source Catalogue: CPD, BD &
 GSC.
 Limited to 12^m5

(B) Magnitudes.

System : V
Source : HIC & ADC CD-ROM.
Sequence Stars: Lettered stars and
 approx. GSC mags.

| | |
|--------|--------|
| b 9.3 | h 11.8 |
| d 10.5 | k 12.2 |
| e 11.1 | l 12.5 |
| f 11.3 | |
| g 11.6 | |

M. Morel

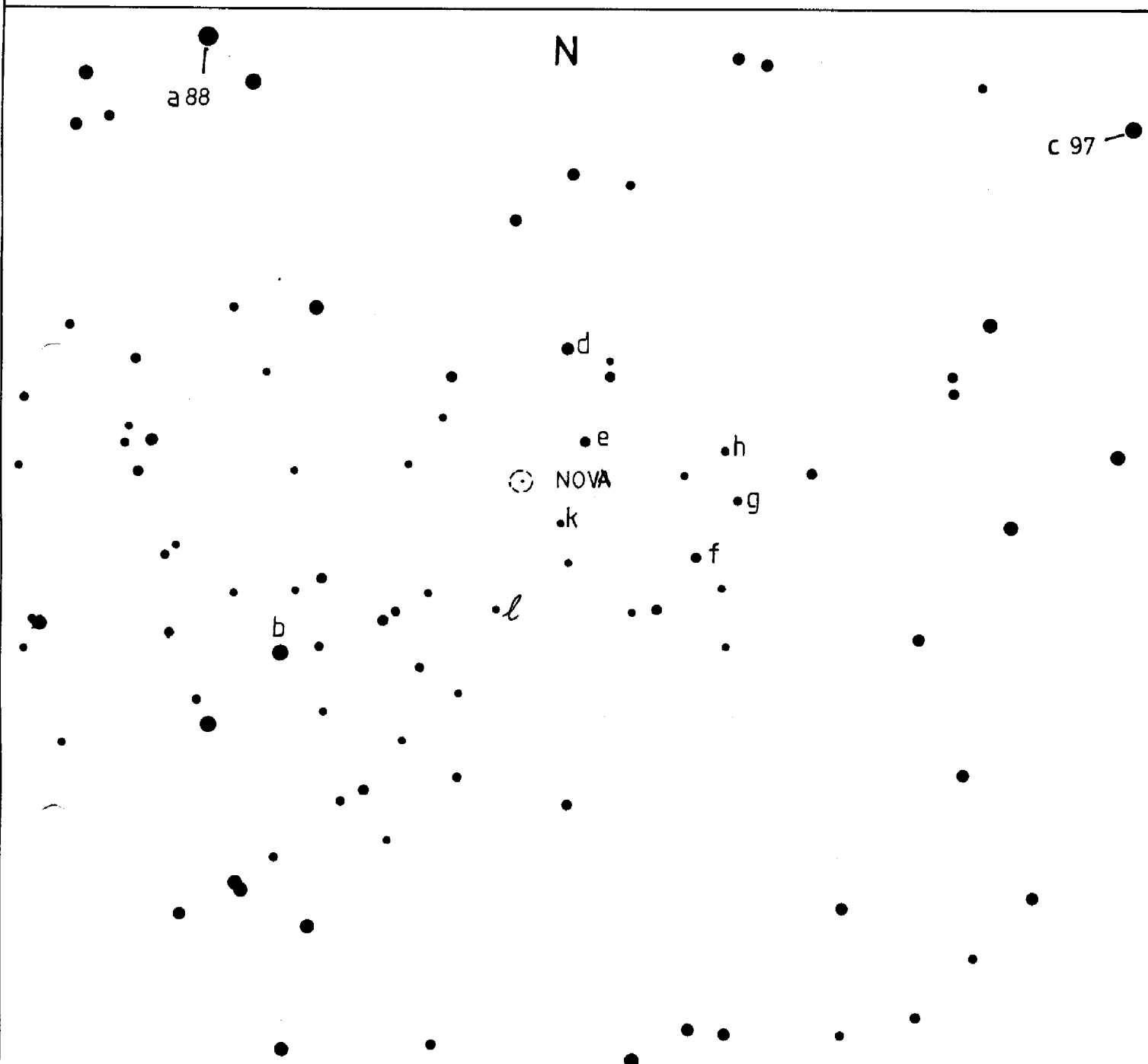
184421 Nova Sgr 1994

(1950): 18h47m30 s -21°21' "

(2000): 18h50m29 s -21°17' "

Nova 8.4p - Spec. ?

Scale : 20" = 1mm.



Equinox 1875

Plotted from CPD & BD.

Mags. : V, from HIC. Use lettered comparison stars.

(C) 1994 M. Morel. Reproduction permitted with due acknowledgement.

| | | |
|---|--|--------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 37 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 March 7 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant, T. Cragg,
 P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
 J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 184421 Nova Sgr 1994 = V4332 Sgr
 Position (B1950): 18h47m37.29s -21°27'01.4" (A. Gilmore)
 Type : Nova
 Magnitude : 8.4 - ?
 Discovered by : M. Yamamoto
 Confirmed by : K. Hirose
 Observations : Feb 24.85 UT 8.9
 25.84 8.5
 25.85 8.4

PLEASE NOTE:

Due to an error in the original announced position the adopted
 position in VSM 36 is out by 6' in declination (is now 27' instead).

CHART DETAILS:

Scale : 10" = 1mm

(A) Star Positions.

Equinox : J2000
 Source Catalogue: GSC

(B) Magnitudes.

System : V
 Source : --
 Sequence Stars:

Lettered stars:
 Approx. GSC mags:

| | | | |
|---|------|---|------|
| m | 12.8 | o | 13.3 |
| n | 13.1 | p | 13.4 |
| | | q | 13.6 |

See VSM³⁶ for GSC mags
 of other comparison
 stars.

M. Morel

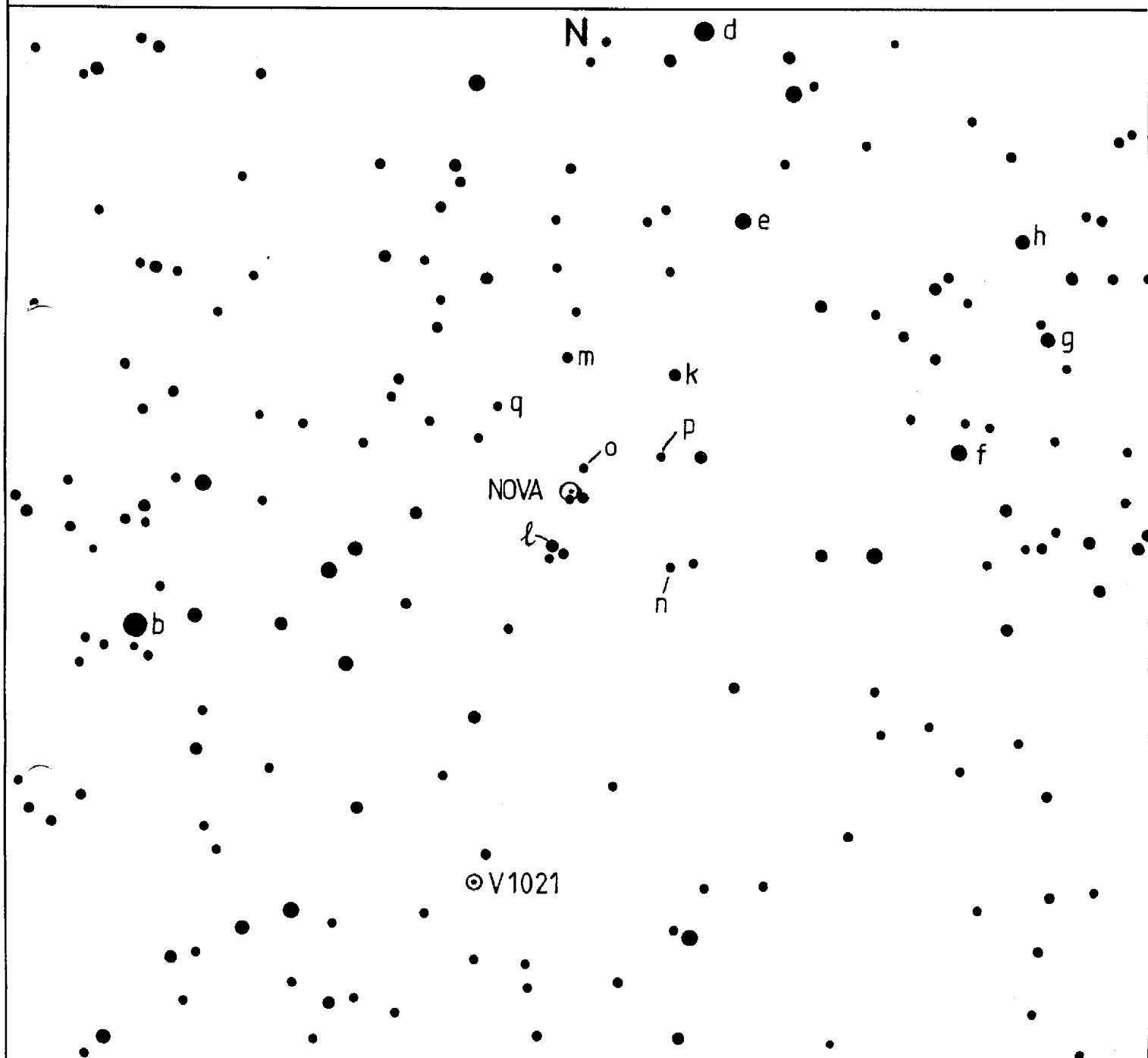
184421 Nova Sgr 1994 = V4332 Sgr

(1950): 18h47m37.29s -21°27'01.4"

(2000): 18h50m36.63s -21°23'28.3"

Nova 8.4p - Spec. ?

Scale : 10" = 1mm.



Plotted from GSC.

Mags. : Use lettered comparison stars.

Equinox 2000

| | | |
|---|---------------------------------------|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 38 |
| | object and/or unusual activity. | Date: 1994 June 8 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant,
 P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
 J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 172919 .NOVA OPH 1994
Position (B1950): 17h32m47.56s -19°17'41.8" (A.Gilmore)
Type : NOVA
Magnitude : 7.0p - ?
Discovered by : A. Tago
Confirmed by :
Observations : 1994
 May 16.63 (9.0p
 June 1.64 7.0p
 2.62 7.0p
 3.54 8.5v (Kyushida)
 3.62 7.8v (Takahashi)
 4.58 8.49V, B-V +0.52 (A.Gilmore)

CHART DETAILS:

Scale : 20"/mm

(A) Star Positions.

Equinox : 1855
Source Catalogue: BD

(B) Magnitudes.

System : V
Source : HIC
Sequence Stars: Use lettered comparison stars, pending determination of mags.

M. Morel

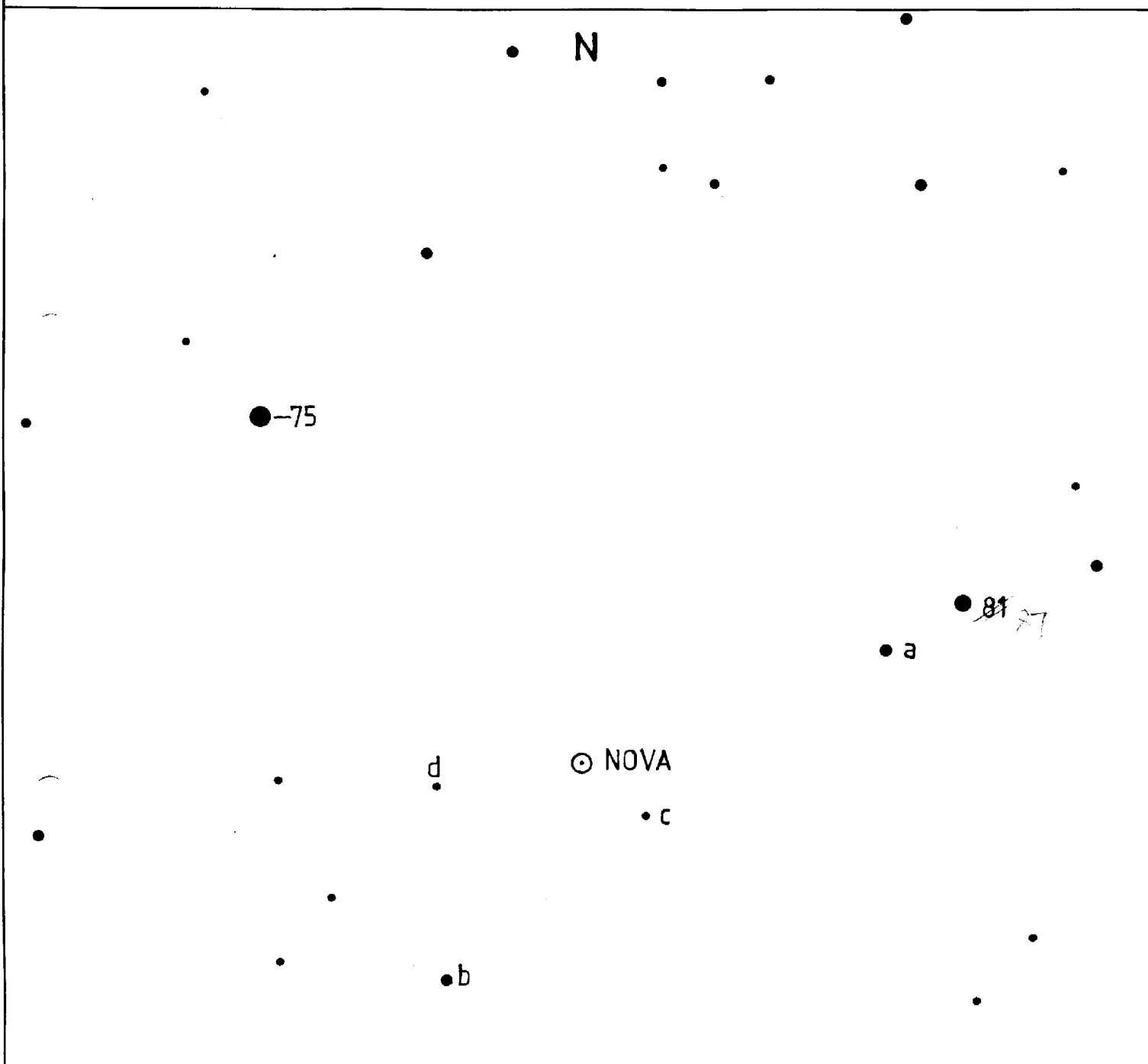
172919 Nova Oph 1994

(1950): 17h32m47.56s -19°17'41.8"

(2000): 17h35m44.55s -19°19'34.1"

Nova 7.0p - Spec. ?

Scale : 20" = 1mm.



Plotted from BD.

Mags. : Use lettered comparison stars.

Equinox 1855

| | | |
|---|--|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 39 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 June 8 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 172919 Nova Oph 1994
Position (B1950): 17h32m47.56s -19°17'41.8" (A. Gilmore)
Type : Nova
Magnitude : 7.0p - ?
Discovered by : A. Tago
Confirmed by :
Observations : See VSM 38 for some postdiscovery observations.

CHART DETAILS:

Scale : 10"/mm

(A) Star Positions.

Equinox : J2000
Source Catalogue: GSC

(B) Magnitudes.

System :
Source :

Sequence Stars: Lettered stars, with
approximate GSC mags.

| | |
|--------|--------|
| b 9.9 | g 12.1 |
| c 10.7 | h 12.5 |
| d 11.1 | k 12.8 |
| e 11.2 | l 13.0 |
| f 11.7 | |

Please include full comparison in all observations.

M. Morel

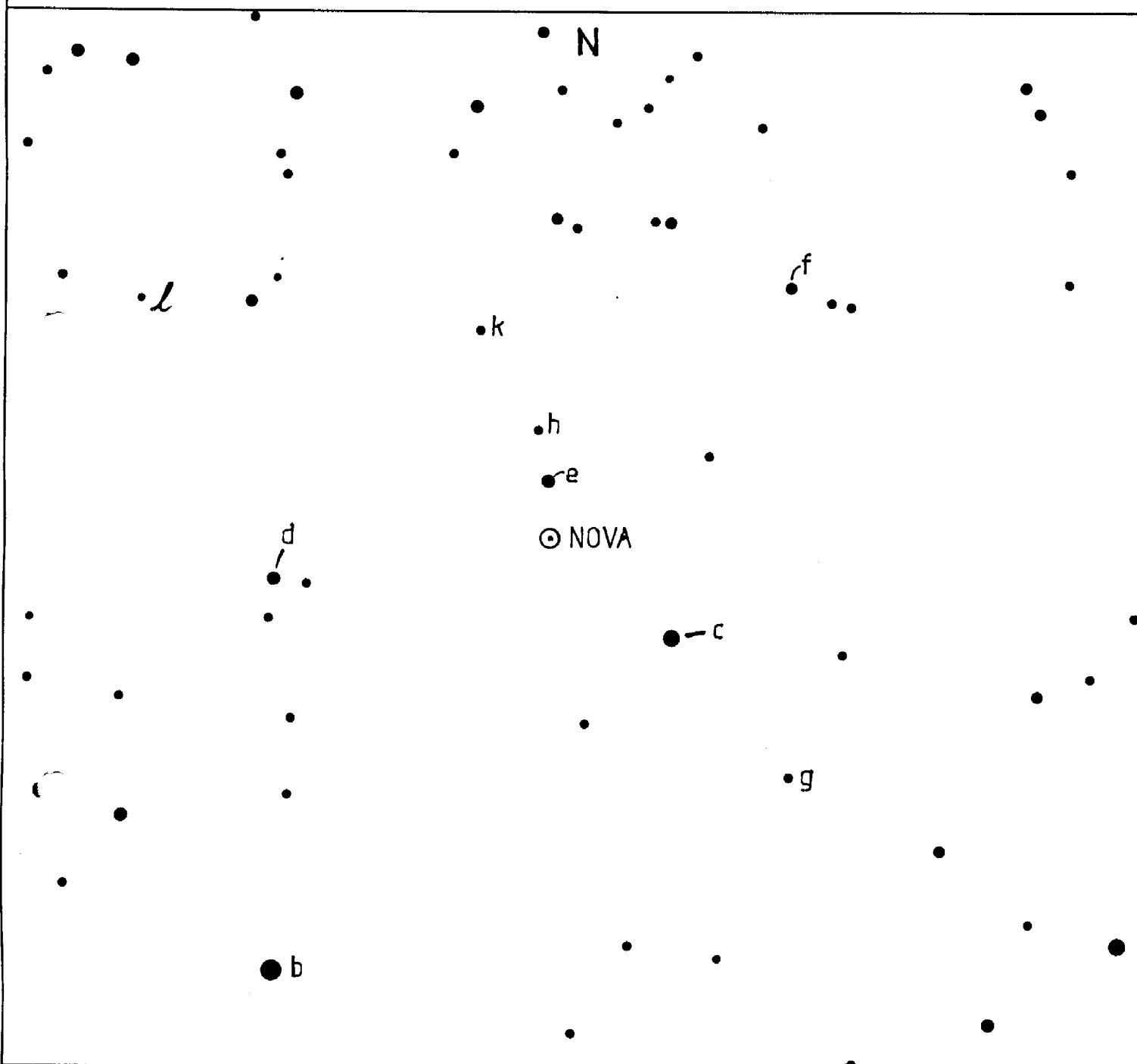
172919 Nova Oph 1994

(1950): 17h32m47.56s -19°17'41.8"

(2000): 17h35m44.55s -19°19'34.1"

Nova 7.0p - Spec. ?

Scale : 10" = 1mm.



Plotted from GSC.

Mags. : Use lettered comparison stars.

Equinox 2000

| | | |
|---|--|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 40 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 June 28 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 184819 --- Sgr (V4368 Sgr)
Position (B1950): 18h51m43s -19°45.9'
Type : Peculiar variable (Z And?). "Symbiotic Nova".
Magnitude : 10.7p - (21.5p)
Discovered by : M. Wakuda (IAUC 5961 (1994))
Confirmed by : Grebel et al, IBVS 4019 (3 May 1994)
Observations : March 14, 1994 10.7p
 Star was fainter than 12.5 throughout 1992, and
 fainter than 16.5 in previous years. It has been
 bright since 1993 March 29.
 The star is apparently a symbiotic star which is
 presently having a large amplitude outburst. Mon-
 itoring of the star is strongly encouraged.

CHART DETAILS:

Scale : 20" = 1mm

(A) Star Positions.

Equinox : 1875
Source Catalogue: CPD

(B) Magnitudes.

System : V
Source : U. Lindoff (1971)
Sequence Stars: Astron Astrophys
 15, 439:
 open cluster NGC
 6716.

M. Morel

184819 --- Sgr

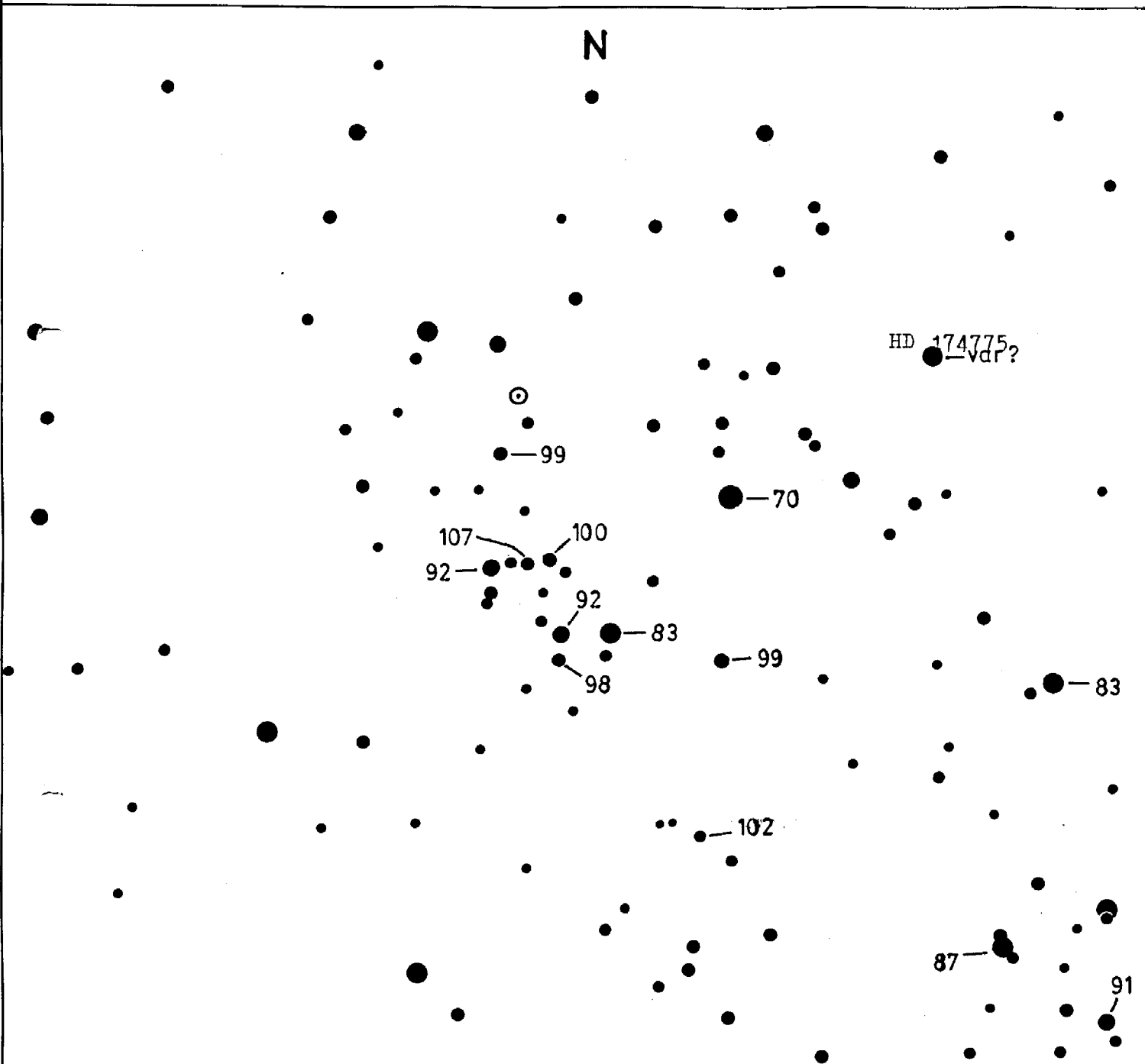
(1950): 18h51m43s -19°45.9'

(2000): 18h54m40s -19°42.1'

Z And? 10.7p - <21.5p Spec. ?

Susp. var: HD 174775, 8.12-8.74V.

Scale : 20" = 1mm.



Plotted from CPD.

Mags. : V

Equinox 1875

| | | |
|---|--|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 41 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 June 28 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.McNaught, A.Gilmore, W.Liller. F. Farrell,
J.Park, N.W. Taylor.

OBJECT - BASIC DATA:

Name : 184819 --- Sgr
Position (B1950): 18h51m43s -19°45.9'
Type : Peculiar, "Symbiotic Nova"
Magnitude : 10.7 - (21.5p)
Discovered by : M. Wakuda (IAUC 5961 (1994))
Confirmed by : Refer to IBVS 4019 (3 May 1994)
Observations : See VSM 40.

CHART DETAILS:

Scale : 10" = 1mm

(A) Star Positions.

Equinox : J2000
Source Catalogue: GSC

(B) Magnitudes.

System : V
Source : U. Lindoff (1971)
Sequence Stars: Astron. Astrophys
15, 439 :
open cluster NGC 6716

M. Morel

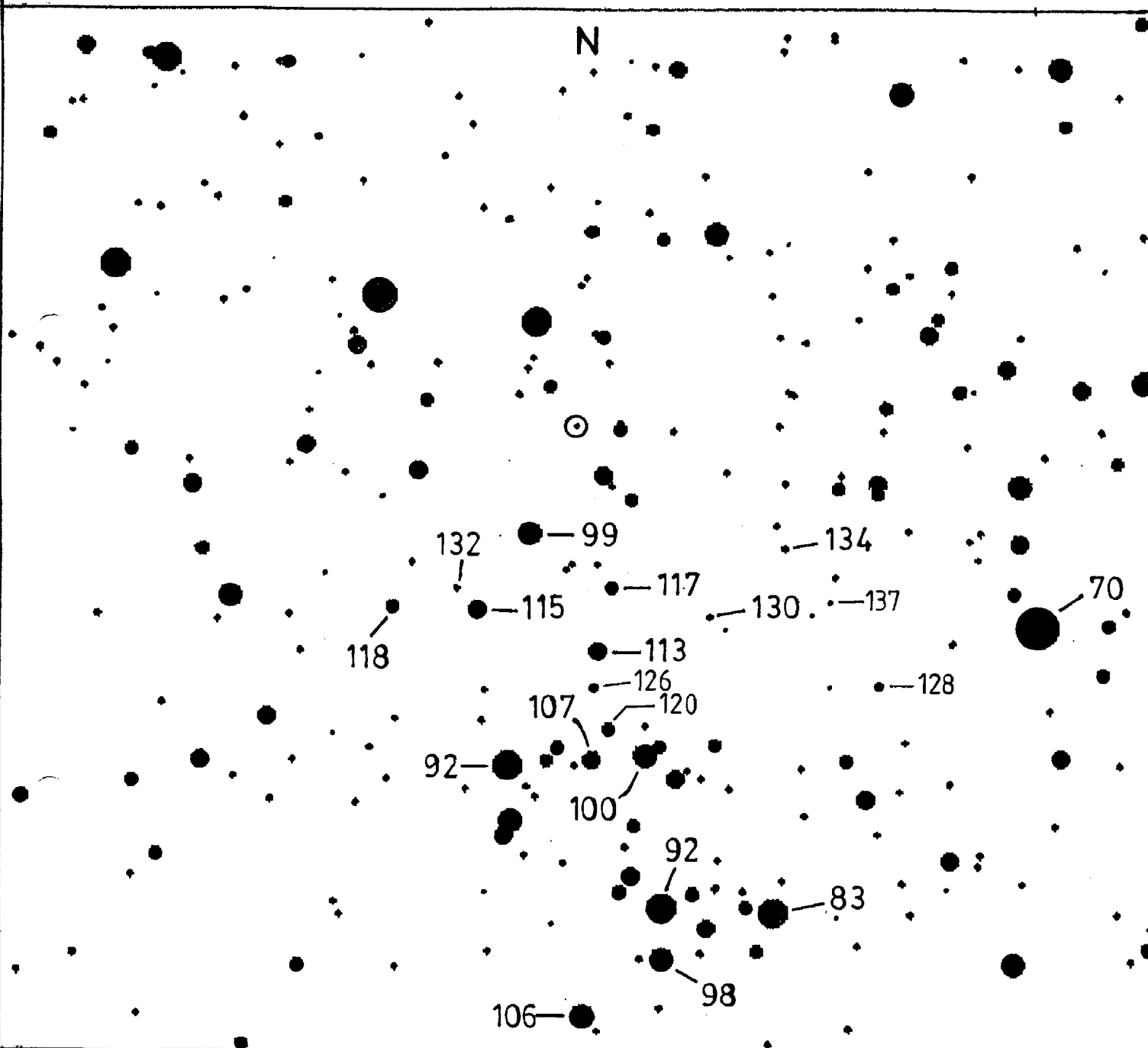
184819 --- Sgr

(1950): 18h51m43s -19°45.9'

(2000): 18h54m40s -19°42.1'

Z And? 10.7p - <21.5p Spec. ?

Scale : 10" = 1mm.



Plotted from GSC.

Mags. : V

| | | |
|---|---|-------------------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity.

Page 1: Data sheet. Page 2: Chart | No: 42

Date: 1994 October 16 |
|---|---|-------------------------------------|

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 175325 Sgr
Position (B1950): 17h56m35.5s -25°13'16"
Type : Mira?
Magnitude : 11.4 - ?
Discovered by : Yukio Sakurai
Confirmed by : H. Duerbeck
Observations : July 28 11.4
August 8 11.4

August 10.16 V = 12.41 B-V 2.52 Duerbeck
Spectrum Me

CHART DETAILS:

Scale : 20" = 1mm

(A) Star Positions.

Equinox : J2000
Source Catalogue: GSC

(B) Magnitudes.

System : V
Source : GSPC* and other refs.
Sequence Stars: Use V mags for comparisons.

*GSPC = Guide Star Photometric
Catalogue, sequence S521.

This newly discovered object appears to be a Mira variable. This chart and sequence is published now, in the event of the object brightening again in future. Photographic observers with suitable exposures of this region may care to check their films.

M. Morel

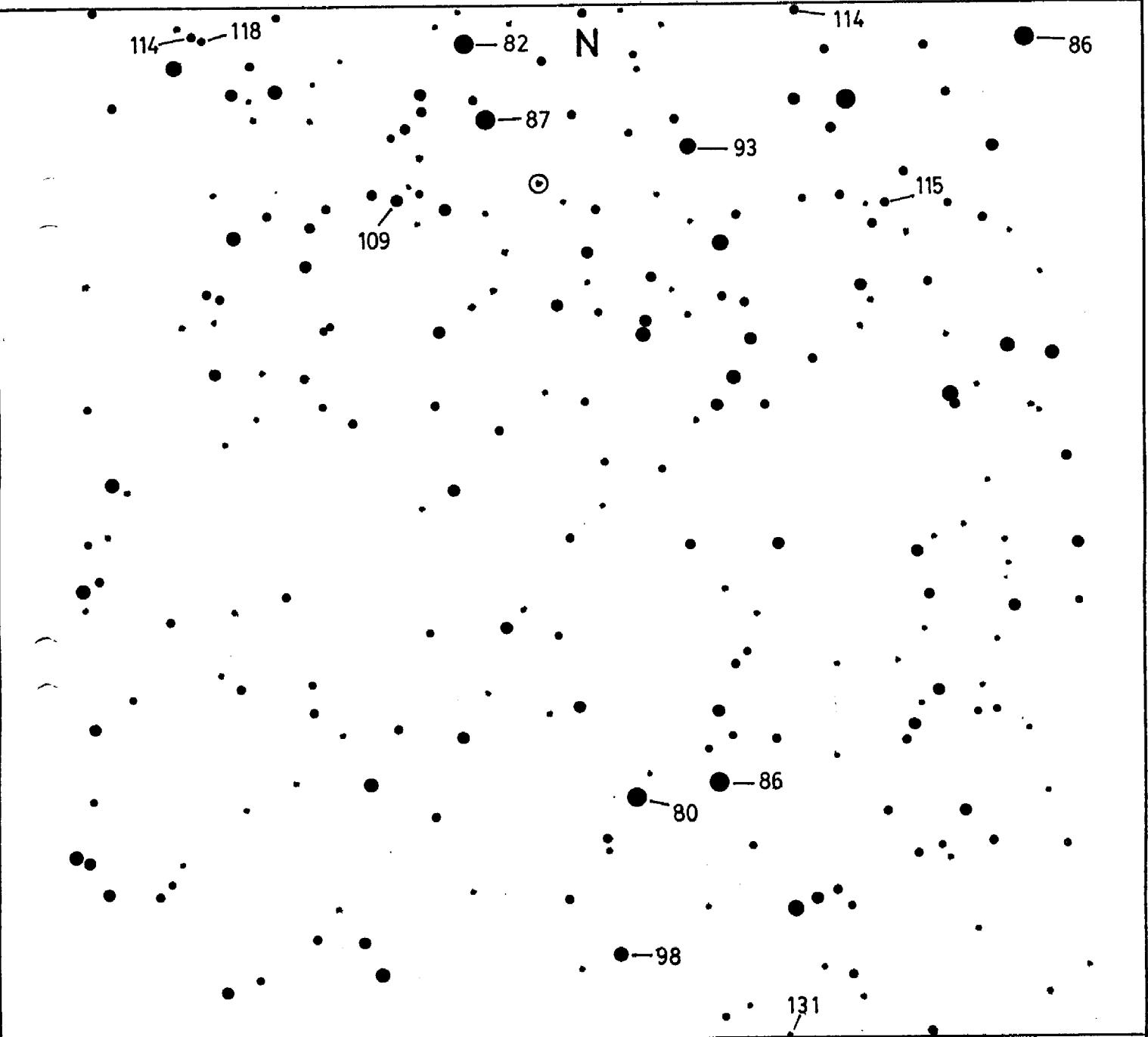
175325 --- Sgr

(1950): 17h56m35.5s -25°13'16"

(2000): 17h59m40.7s -25°13'24"

Mira? 11.4p - ? Spec. Me

Scale : 20" = 1mm.



Plotted from GSC.
Mags. : V

Equinox 2000

| | | |
|---|--|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 43 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1994 Nov. 5 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, A.Gilmore, W.Liller.
J.Park. F. Farrell, B. Sumner, N.W.Taylor

OBJECT - BASIC DATA:

Name : 005672 HD 5980
Position (B1950): 0h 57m 47s -72°26.0'
Type : E/WR
Magnitude : 8.2 - 11.8V
Discovered by : R. Barba and V. Niemela, Observatorio Astronomico
La Plata.
Confirmed by :
Observations : IAUC 6099 Reports: "Spectral observations (360-700nm)
obtained between Oct. 24 and 27 with the REOSC echelle spectrograph
+ CCD attached to the 2.15m telescope at CASLEO Observatory, San
Juan, show that the brightest Wolf-Rayet eclipsing binary star in
the SMC, HD 5980 has brightened considerably and complete-
ly changed its spectrum, which is now similar to eta Car-type vari-
ables. It appears to be currently undergoing an eta Car- outburst."

CHART DETAILS:

Scale : 20" / mm

(A) Star Positions.

Equinox : 1950
Source Catalogue: CPD, GSC and
other lists.

(B) Magnitudes.

System : V
Source : various
Sequence Stars: Use V mags.

This SMC WR star appears to be undergoing some sort of major
outburst. No precise magnitude estimates are available as yet,
and the information in IAUC 6099 suggests only an approximate
magnitude of 10.0. This star is shown on Morel's Visual Atlas
of the SMC, on both the Master chart and Chart 6. It deserves
close monitoring.

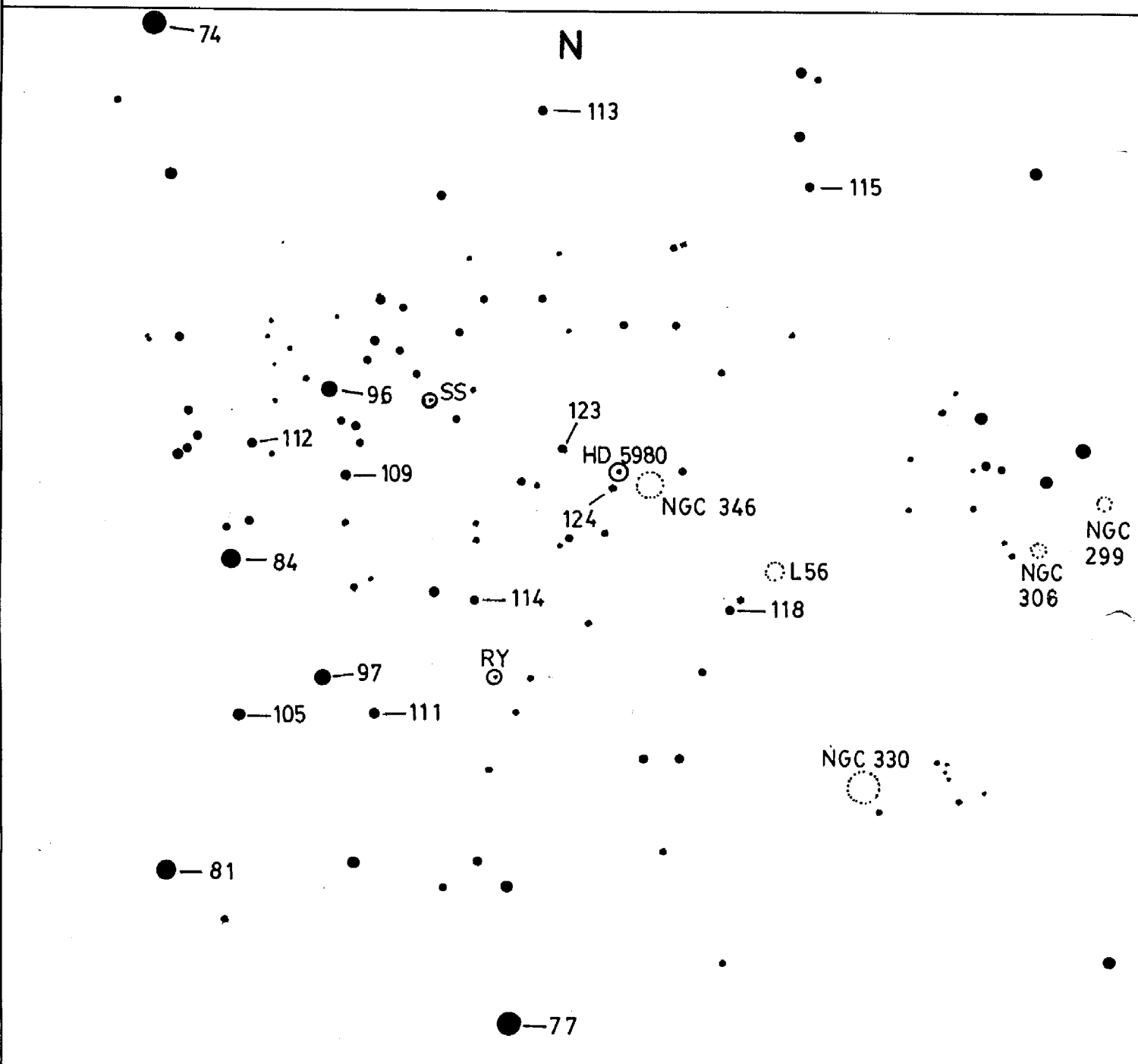
FOOTNOTE: Nov. 6, Frank Bateson, Director of VSS, RASNZ, draws attention
to Circ. M94/6 where Albert Jones first noted the rise, from 10.50
(JD 2449505-526) to 8.9 on JD 533. Thereafter (Circ. M94/7) Jones
observed variations between maxima of 8.2-8.3 and minima of 9.4-9.5. Eclipsing bin., P = 21d?
M. Morel

005672 HD 5980

(1950) 00h57m47s -72°26.0'
(2000) 00 59 28 -72 9.8

Type: E/WR Range: 8.2- 11.8 Spect. WN3p + OB

Scale : 20" = 1mm



BT

Equinox : 1950

Mags: V

Plotted from GSC, CPD and other lists.

| | | |
|--|---------------------------------------|--------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 44 |
| | object and/or unusual activity. | Date: 1995 Jan. 30 |
| Page 1: Data sheet. ~~Page 2: Chart~~ | | |

143663 NOVA CIRCINI 1995

A fax has been received from W. Liller of Vina del Mar, Chile, reporting the discovery of a possible nova. On UT 27.328 January 1995, using an 85mm lens, orange filter and Kodak TP film, he found a stellar object of approx. visual mag. 7.2 at the following position :
R.A. (2000) 14h 44m 58s Dec(2000) -63° 54.0'.
Nothing brighter than 12.0 in this position on UT 12.336 January 1995. The sharp image suggests that it is not a red variable.

Confirming Observations.

On 28 January (AEST) J. Tilbrook and F. Farrell tentatively confirmed the object, but through cloud. More definite observations have been made by Peter Williams (Sutherland) as follows:

UT January 29.48 7.5 vis
January 29.56 7.6 vis

At about the same time M. Morel also observed it at 7.6.

A list of suitable comparison stars is provided below, taken from the Hipparcos Input Catalogue. Most stars are in a 1 deg. square, centred on the nova.

| HD | R.A. (2000) | Dec. | V | B-V |
|--------|--|--------------|-------|------|
| 128637 | 14 ^h 40 ^m 44 ^s .2 | -63° 34' 46" | 9.80 | 0.00 |
| 128698 | 14 41 3.4 | -63 39 30 | 8.10 | 1.54 |
| 128792 | 14 41 38.4 | -63 35 45 | 10.30 | 0.32 |
| 128794 | 14 41 47.1 | -64 20 56 | 8.70 | 0.44 |
| 128812 | 14 41 51.1 | -63 49 10 | 10.50 | 0.30 |
| 129614 | 14 46 19.4 | -63 55 18 | 9.20 | 0.31 |
| 129615 | 14 46 26.8 | -64 32 35 | 7.30 | 1.50 |
| 129738 | 14 47 9.2 | -64 00 38 | 9.20 | 0.28 |
| 129883 | 14 47 57.7 | -63 55 42 | 7.90 | 1.69 |
| 129998 | 14 48 35.9 | -63 21 19 | 7.50 | 1.39 |

Note: While these V magnitudes are taken from a reliable source, I notice that the second decimal place is always zero (some are rounded from the original three figures). While it may be coincidence, I suggest serious observers note which comparison stars they use, in the event of some values being revised.

M. Morel

| | | |
|---|--|--------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 45 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1995 Feb. 6 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 143663 Nova Circini 1995
Position (B1950): 14h 40m 51.2s -63°41'16" (P.M. Kilmartin)
Type : Nova
Magnitude : 7.2 - ?
Discovered by : W. Liller
Confirmed by : (See VSM 44)
Observations :

CHART DETAILS:

Scale : 20" = 1mm

(A) Star Positions.

Equinox : 1875
Source Catalogue: CPD & GSC

(B) Magnitudes.

System : V
Source : HIC + Mermilliod UBV
Sequence Stars: Catalogue

M. Morel

143663 NOVA CIRCINI 1995
(1950) 14h40m51.2s -63°41'16"
(2000) 14 44 53.48 -63 53 55.6
Nova. 7.2 - ?

●—75

Scale : 20" = 1mm

95—● N

●—92

●—100

●—103

●—98

●—81

●—105

⊙ NOVA

●—92

●—79

●—92

●—91

●—92

●—87

Plotted from CPD & GSC.

Epoch: 1875

Magnitudes: V

| | | |
|---|---------------------------------------|--------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar | No: 46 |
| | object and/or unusual activity. | Date: 1995 Feb. 13 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 190001 NOVA AQUILAE 1995 (V1425 Aql)
 Position (B1950): 19h02m50.9s -1°46'40.4"
 Type : NOVA
 Magnitude : 8.1 -
 Discovered by : Kenao Takamizawa, Japan
 Confirmed by :
 Observations : Feb. 7.839 UT 8.1 (Takamizawa)
 8.854 8.4 (")
 8.873 7.5 (Kushida)
 9.435 8.2 (Scovil)
 9.531 8.5 (P. Collins)

Extracted from IAUC No. 6133, 1995 Feb. 9.

CHART DETAILS:

Scale : 27.6" = 1mm

(A) Star Positions.

Equinox : 2000
 Source Catalogue: GSC

(B) Magnitudes.

System : V
 Source : HIC
 Sequence Stars: Faint stars lettered

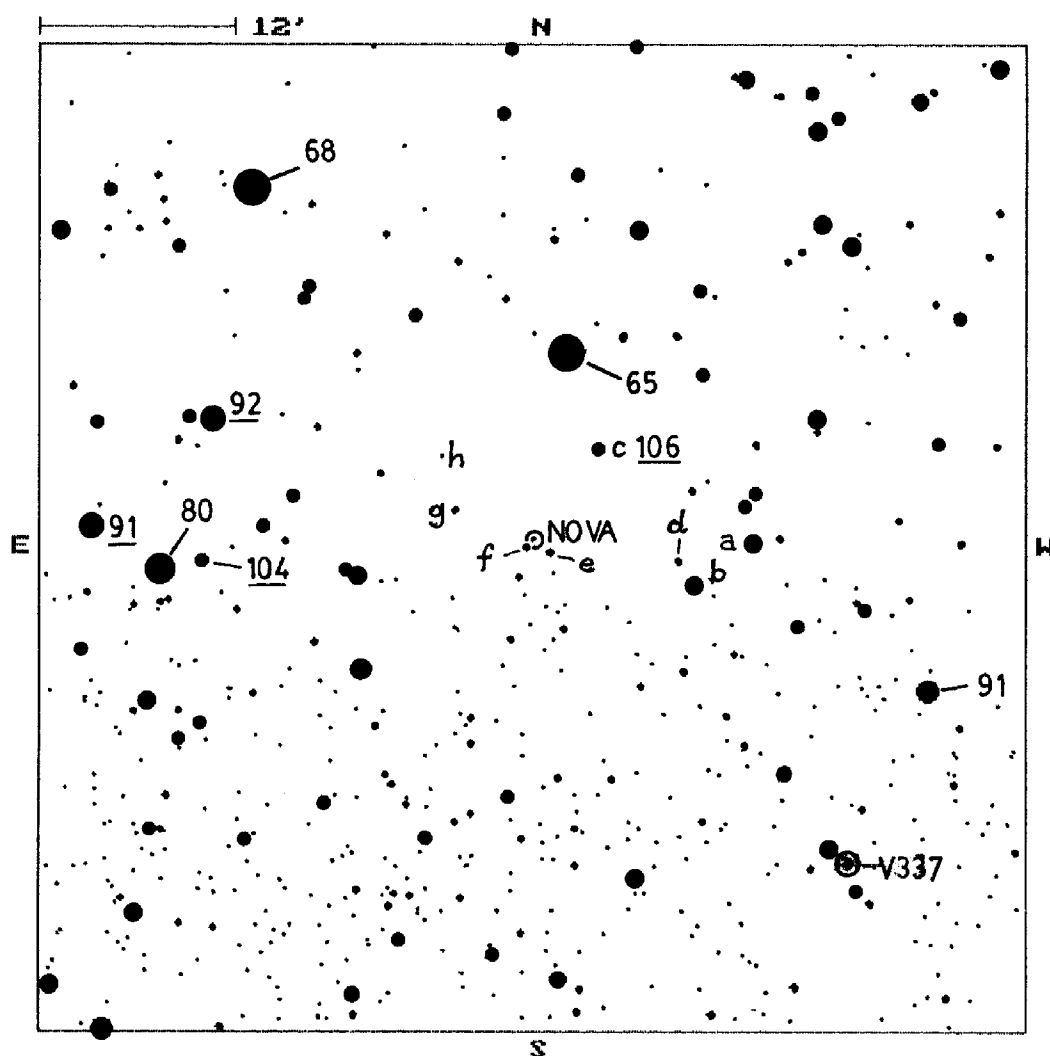
M. Morel

190001 NOVA AQUILAE 1995

(1950): 19h02m50.9s -1°46'40.4"
(2000): 19 05 26.57 -1 42 03.5

NOVA. 8.1 -

Scale : 27.6" = 1mm



Plotted from GSC

Epoch : 2000

Magnitudes: V . Preliminary CCD-V (Kiyota, underlined) added 14.2.95.

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| | | |
|---|--|----------------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 47 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1995 February
23 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 143663 Nova Circini 1995
Position (B1950): 14h 40m 51.2s -63°41'16"
Type : Nova
Magnitude : 7.2 - ?
Discovered by : W. Liller
Confirmed by :
Observations :

CHART DETAILS:

Scale : 10" = 1mm

(A) Star Positions.

Equinox : 2000
Source Catalogue: GSC

(B) Magnitudes.

System : V
Source : HIC
Sequence Stars: Faint stars as
lettered.

M. Morel

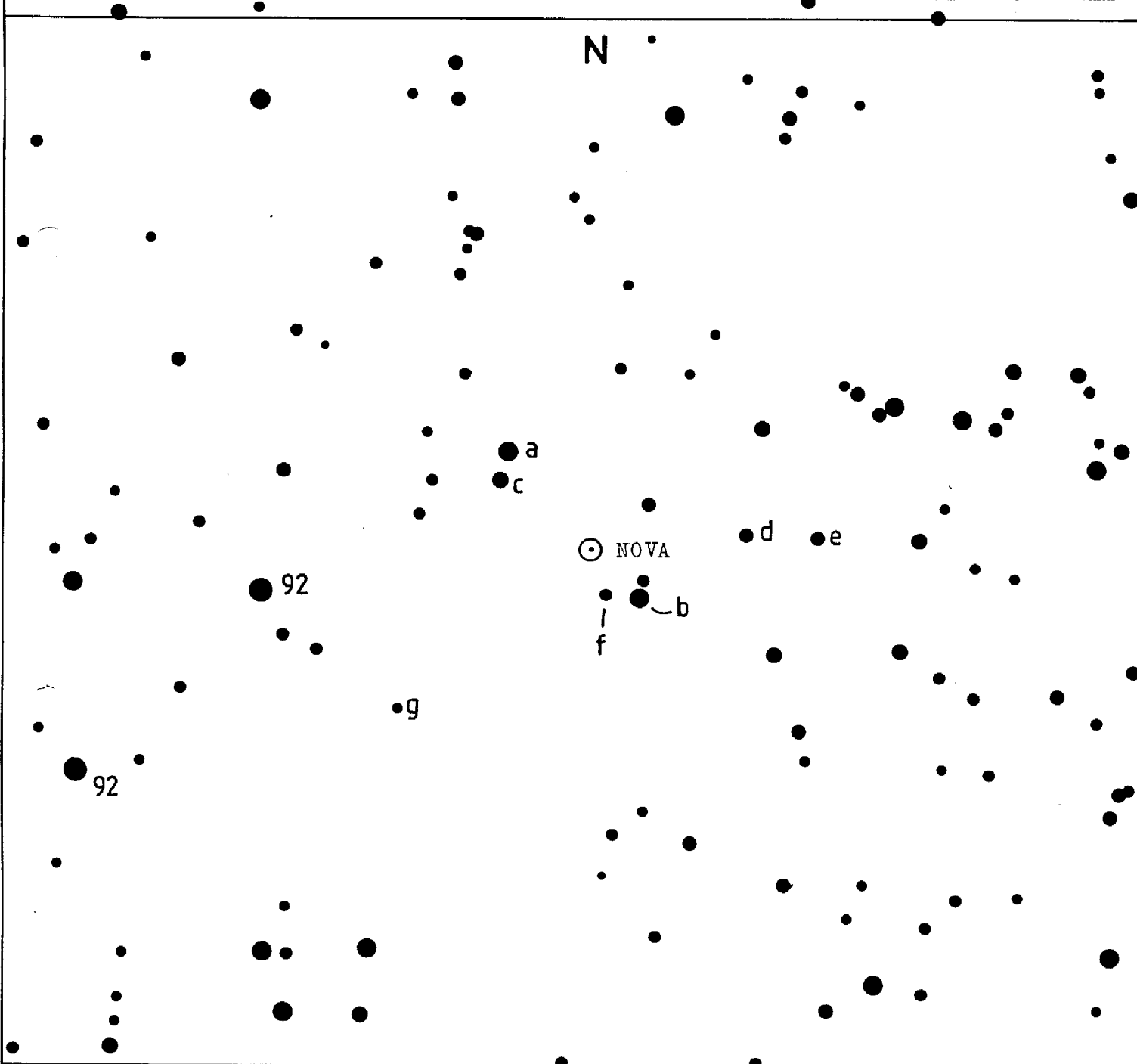
143663 Nova Circini 1995

(1950) 14h40m51.2s -63°41'16"

(2000) 14 44 53.48 -63 53 55.6

Nova. 7.2 - ?

Scale: 10" = 1mm



Epoch : 2000

Plotted from GSC

Magnitudes : V

(C) 1995 M. Morel. Reproduction permitted with due acknowledgement.

| | | |
|---|--|--|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar

object and/or unusual activity. | No: 48

Date: 1995 February 23 |
| | Page 1: Data sheet. Page 2: Chart | |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant, P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller. J.Park.

OBJECT - BASIC DATA:

Name : 190001 Nova Aquilae 1995 (V1425 Aql)
 Position (B1950): 19h02m50.9s -1°46'40.4"
 Type : Nova
 Magnitude : 8.1 - ?
 Discovered by : Kesao Takamizawa
 Confirmed by :
 Observations :

CHART DETAILS:

Scale : 10" = 1mm

(A) Star Positions.

Equinox : 2000
 Source Catalogue: GSC

(B) Magnitudes.

System : V ; CCD-V
 Source : HIC; Kiyota
 Sequence Stars:

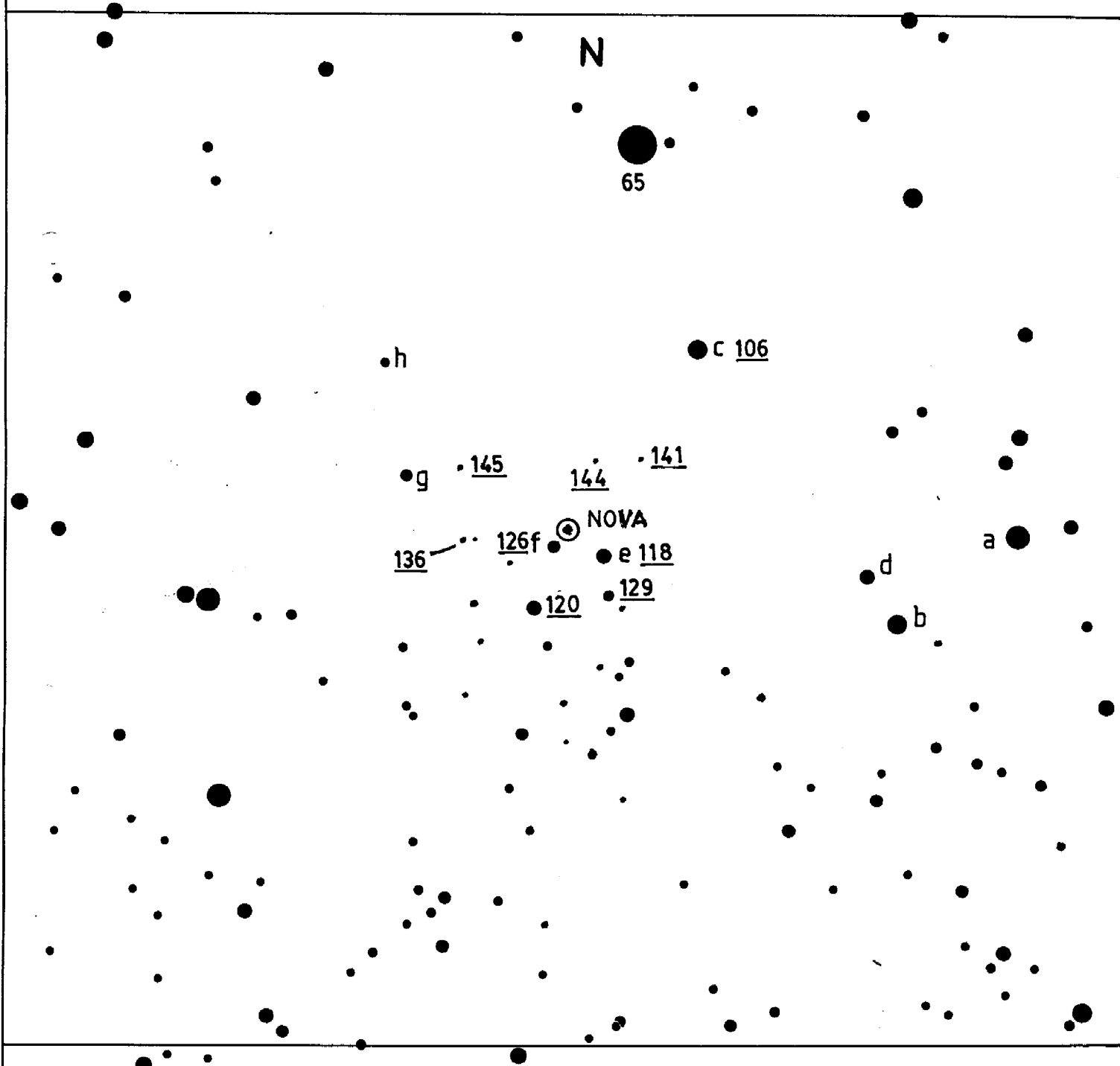
M. Morel

190001 Nova Aquilae 1995

(1950) 19h02m50.9s -1°46'40.4"
(2000) 19 05 26.57 -1 42 03.5

Nova. 8.1 - ?

Scale: 10" = 1mm



Epoch : 2000

Plotted from GSC

Magnitudes: V (Kiyota CCD-V, underlined.)

| | | |
|---|--|------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 49 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1995 February 25 |

Distribution List:

F.M.Bateson, A.F.Jones, P.Camilleri, P.F.Williams, W.Goltz, G.Bryant,
P.Nelson, T.B.Tregaskis, R.H.McNaught, P.Crake, A.Gilmore, W.Liller.
J.Park.

OBJECT - BASIC DATA:

Name : 1256~~59~~ Nova Centauri 1995 (V888 Cen)
Position (B1950): 12h59m29s -59°55.7'
Type : Nova
Magnitude : 7.2 - ?
Discovered by : W. Liller
Confirmed by : W. Liller, M. Morel
Observations : UT February 23.306 7.2 (discovery)
 24.04 7.6 (W. Liller, CCD V)
 24.51 8.0 (M. Morel, visual)

CHART DETAILS:

Scale : 15.35" = 1mm

(A) Star Positions.

Equinox : 2000
Source Catalogue: GSC

(B) Magnitudes.

System : V
Source : L.O.Loden, Astron. &
Sequence Stars: Astrophys. Suppl.
 36,83 (1979) -
 Field 733.

Note: The published position of the nova closely matches a
GSC star, GSC 8989.2001, mag = 12.4. Is not known yet if the
two stars are the same, or are unconnected, lying in the same
line of sight.

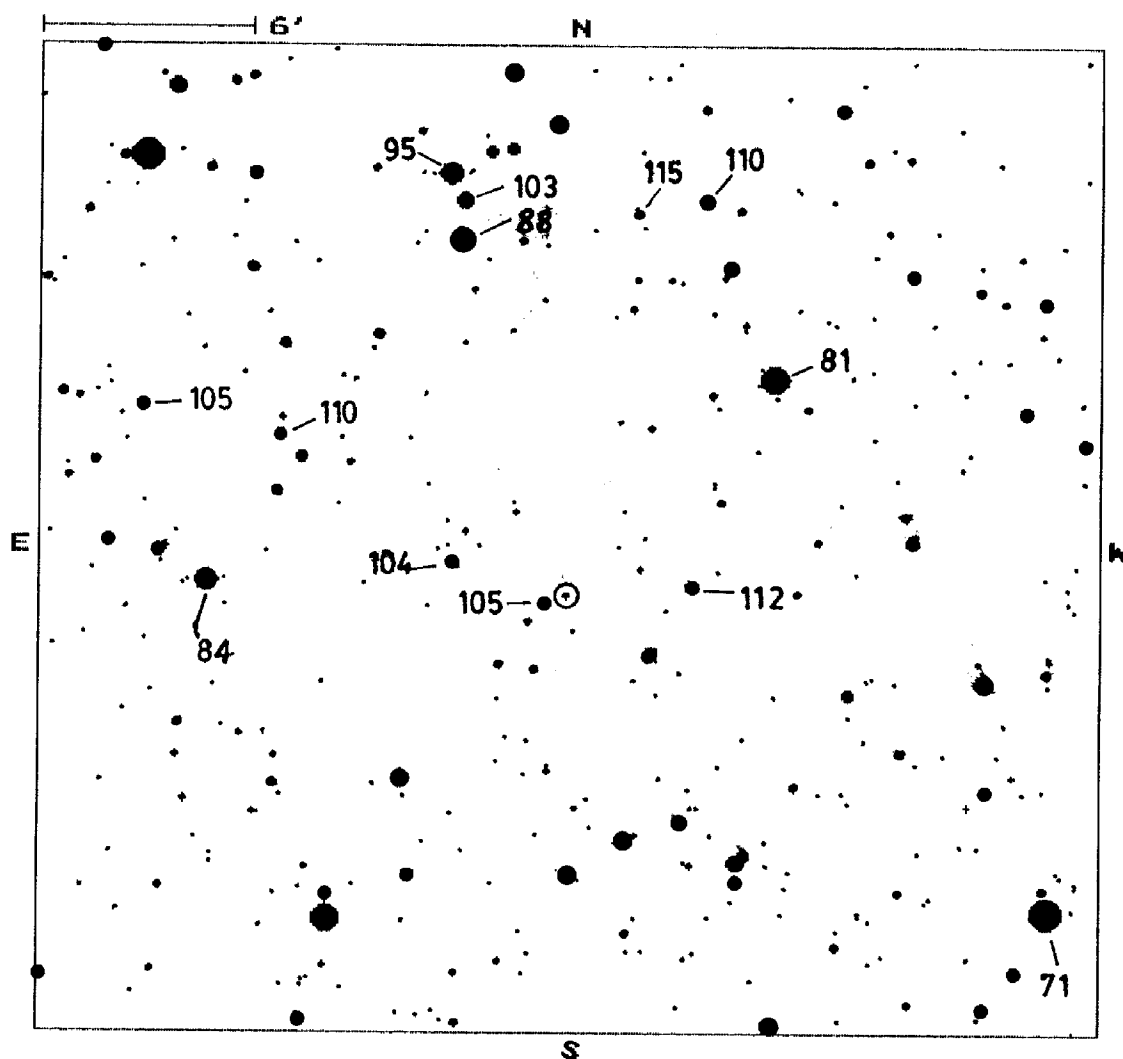
M. Morel

125659 NOVA CENTAURI 1995

(1950) : 12h59m28.8s -59°55.7'
(2000) : 13 02 33 -60 11.8

NOVA. 7.2 - ?

Scale : 15.35"/mm



Epoch : 2000

Plotted from GSC

Magnitudes : V

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| | | |
|---|--|---------------------------|
| VARIABLE
STAR
MEMORANDUM | Preliminary advice of unusual stellar
object and/or unusual activity. | No: 50 |
| | Page 1: Data sheet. Page 2: Chart | Date: 1995 March 3 |

Distribution List:

F.M. Bateson, A.F. Jones, P. Camilleri, P.F. Williams, F. Farrell, G. Bryant,
P. Nelson, T.B. Tregaskis, R.H. McNaught, B. Sumner, A. Gilmore, W. Liller.
N.W. Taylor

OBJECT - BASIC DATA:

Name : 125659 Nova Centauri 1995 (V888 Cen)
Position (B1950): 12h59m29s -59°55.7'
Type : Nova
Magnitude : 7.2 -
Discovered by : W. Liller
Confirmed by :
Observations :

CHART DETAILS:

Scale : 10" = 1mm

(A) Star Positions.

Equinox : 2000
Source Catalogue: GSC

(B) Magnitudes.

System : V
Source : L.O. Loden, Astron. &
Sequence Stars: Astrophys. Suppl.
36, 83 (1979)

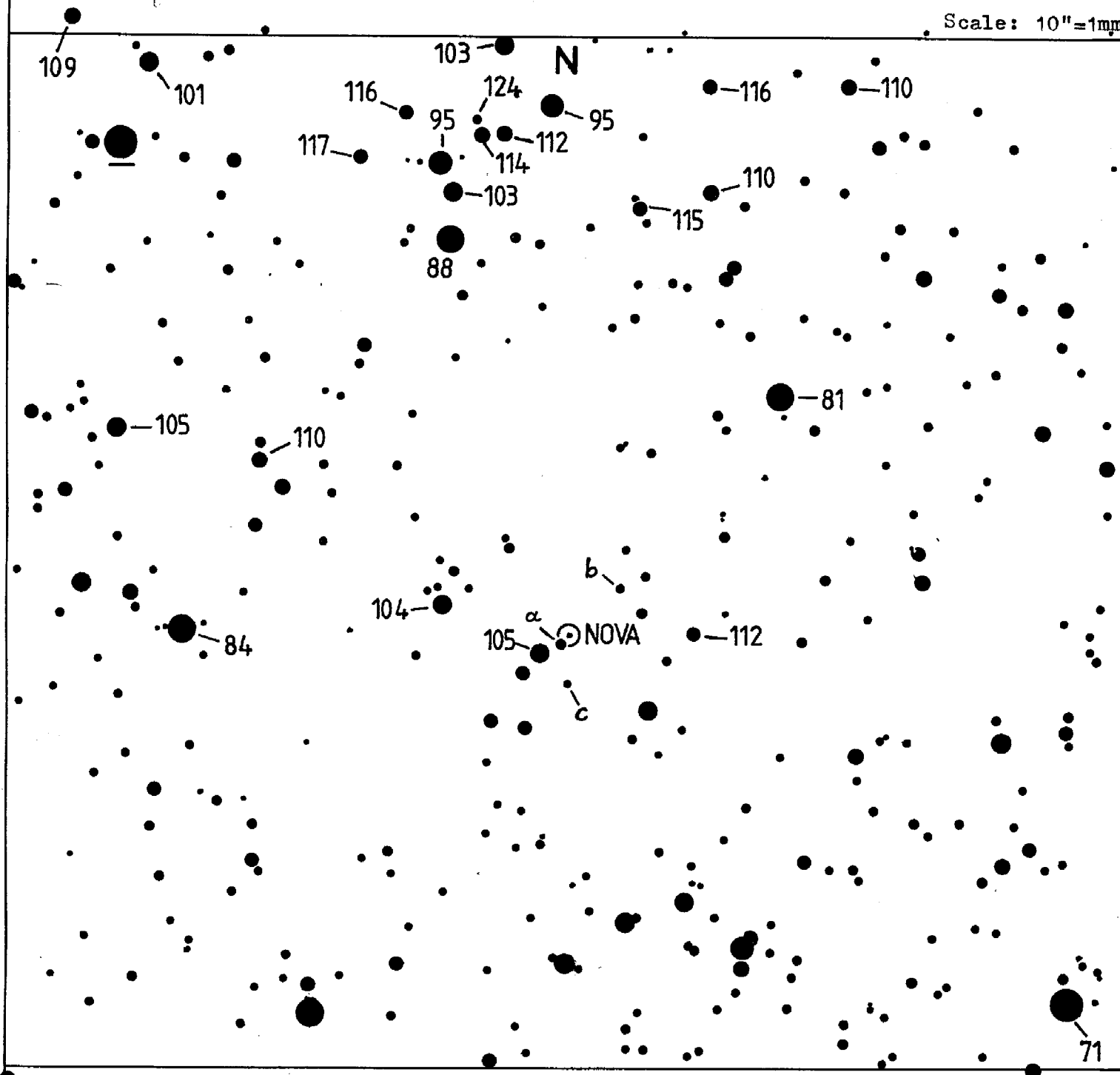
M. Morel

125659 NOVA CENTAURI 1995

{1950} : 12h59m29s -59°55.7'
 {2000} : 13 02 33 -60 11.8

Nova. 7.2 - ?

Scale: 10"=1mm



Plotted from GSC.

Magnitudes: V

Epoch : 2000