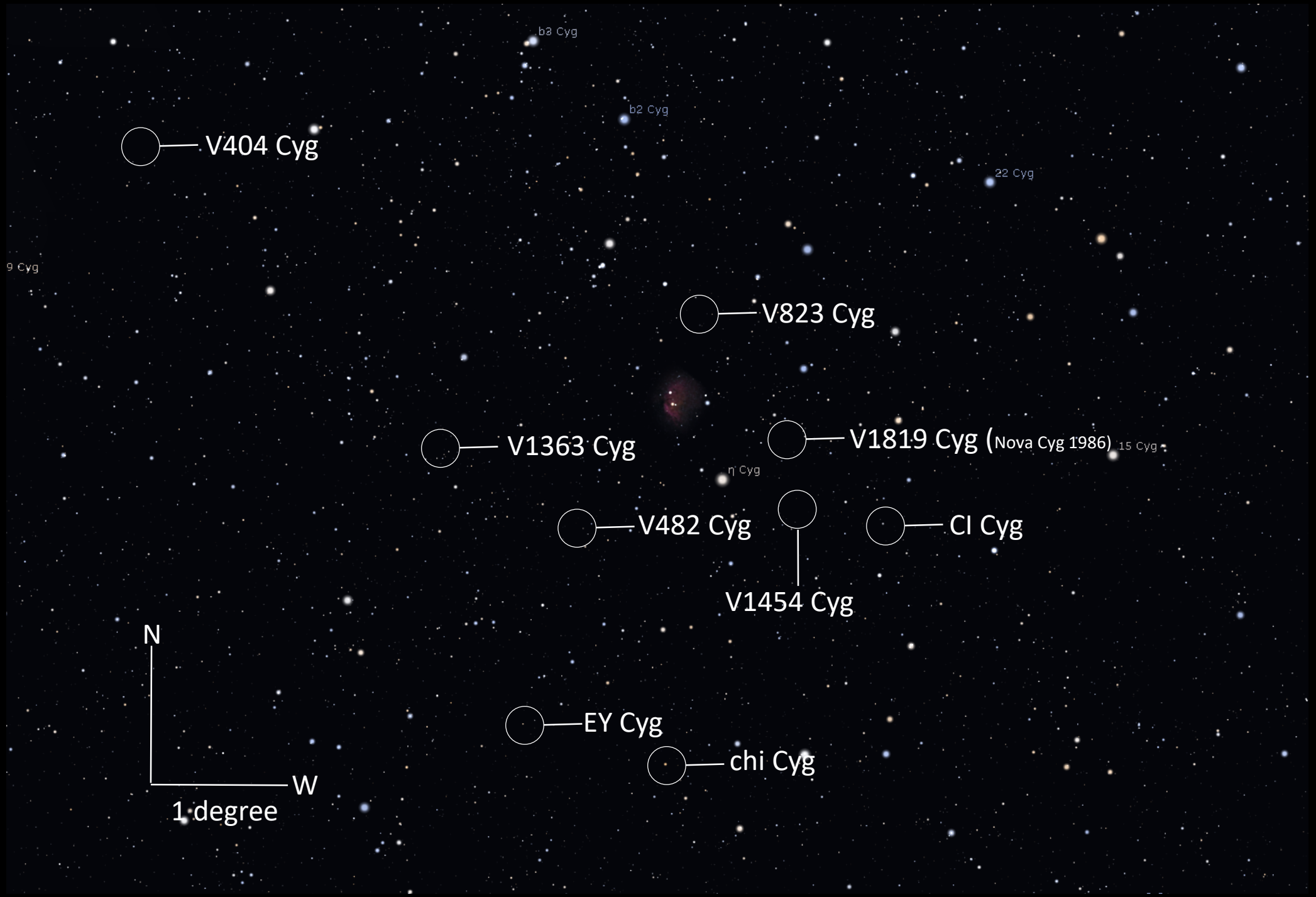
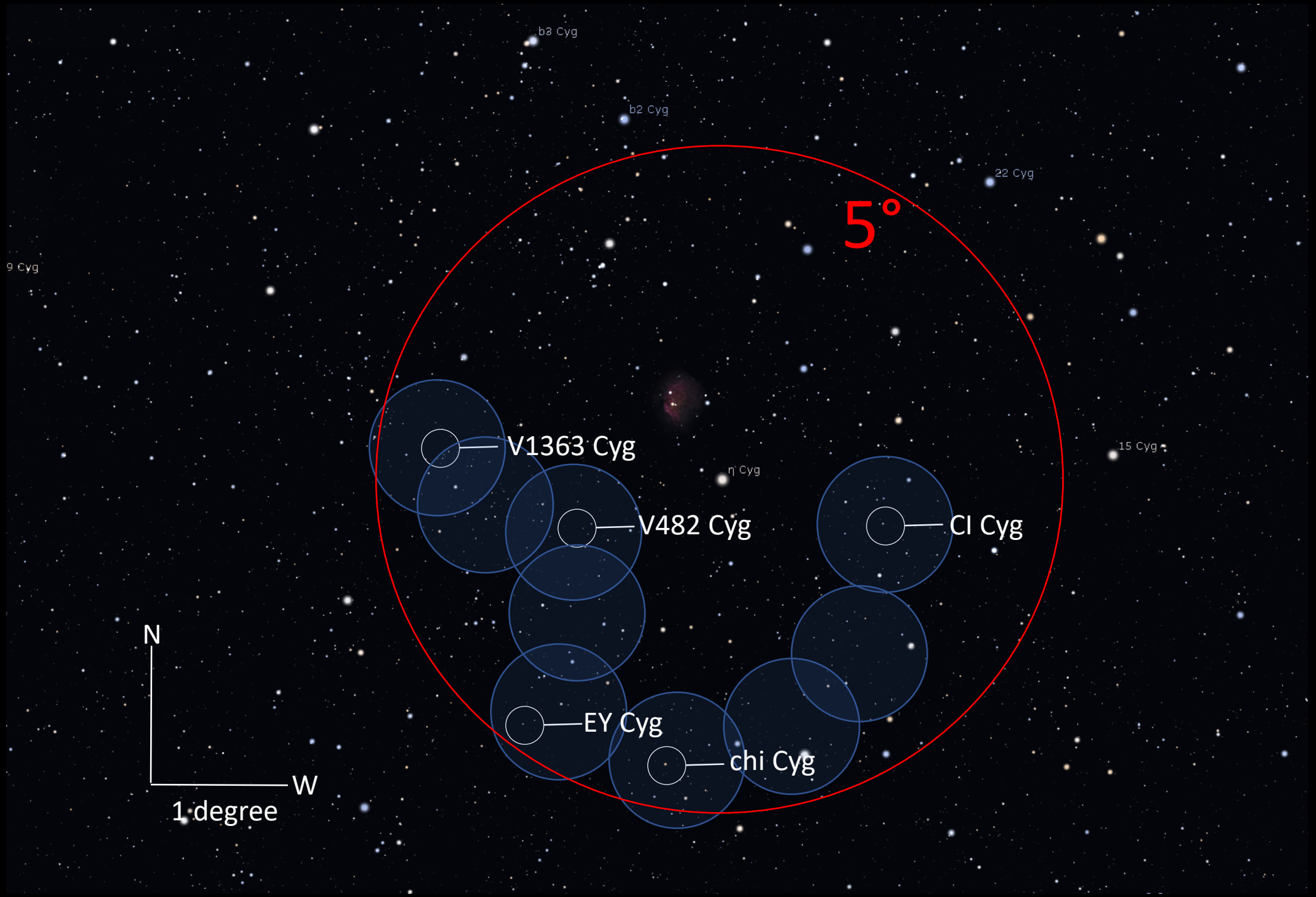
A *Variable* Star hop around eta Cygni

Gary Poyner


b3 Cyg
b2 Cyg
V404 Cyg
22 Cyg
9 Cyg
V823 Cyg
V1363 Cyg
V1819 Cyg (Nova Cyg 1986)
15 Cyg
η Cyg
V482 Cyg
CI Cyg
V1454 Cyg
N
W
1 degree
EY Cyg
chi Cyg


b3 Cyg
b2 Cyg
22 Cyg
9 Cyg
15 Cyg
η Cyg
5°
V1363 Cyg
V482 Cyg
CI Cyg
EY Cyg
chi Cyg
N
W
1 degree

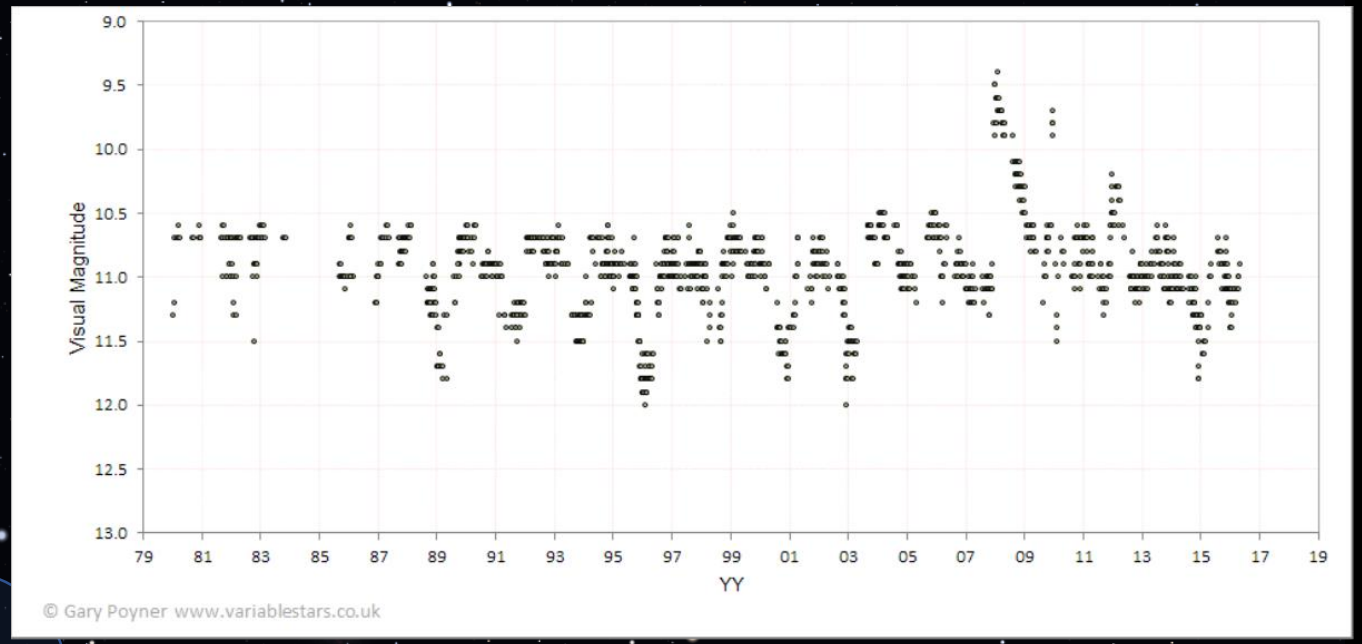
CI Cyg

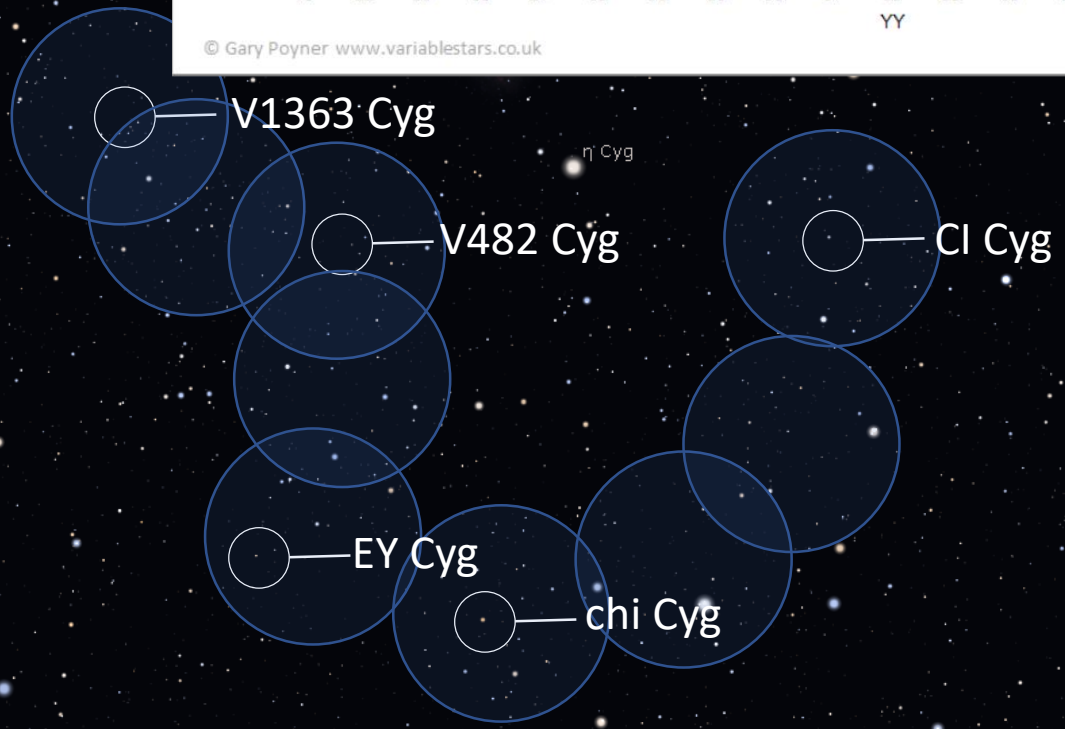
Type: ZAND+E
B & M5 II binary
Range 9.0-12.3V
Period 852.98d
Duration 100-200d
E amplitude 0.3-2.5V
B-V increases

Discovered by Annie Cannon 1922

Interest 1960…
Cygnus X-1
Outbursts… 1911, 1937, 1971, 1973, 1975 & 2008

1 degree



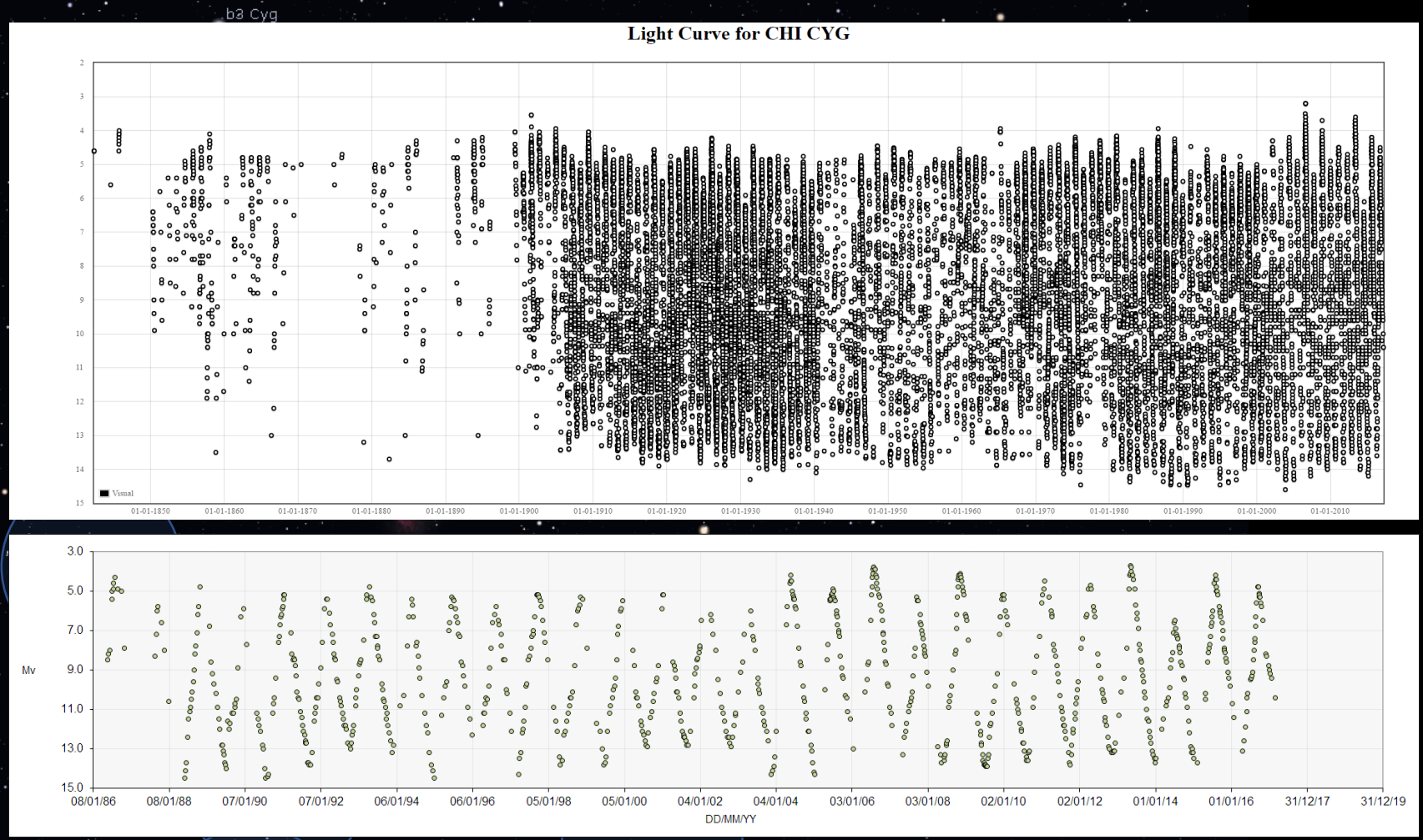


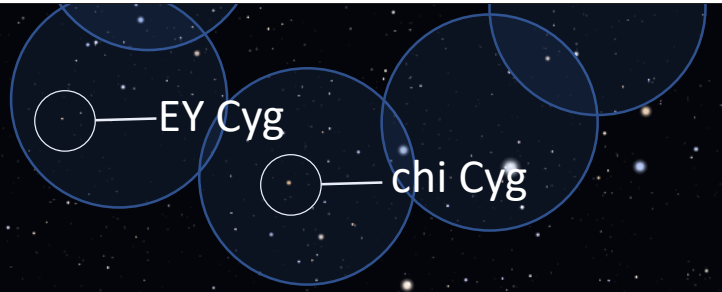
chi Cyg

Discovered by
Gottfried Kirch 1686

Type: Mira
S6,2e-S10,4e Spec.
Range 3.3-14.2V
Period 408.05d
Min/Max 41%
1842-1929 407.3d
1930-2017 408.7d

Max. Oct 2017
Min. May 2017





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Period 408.05d
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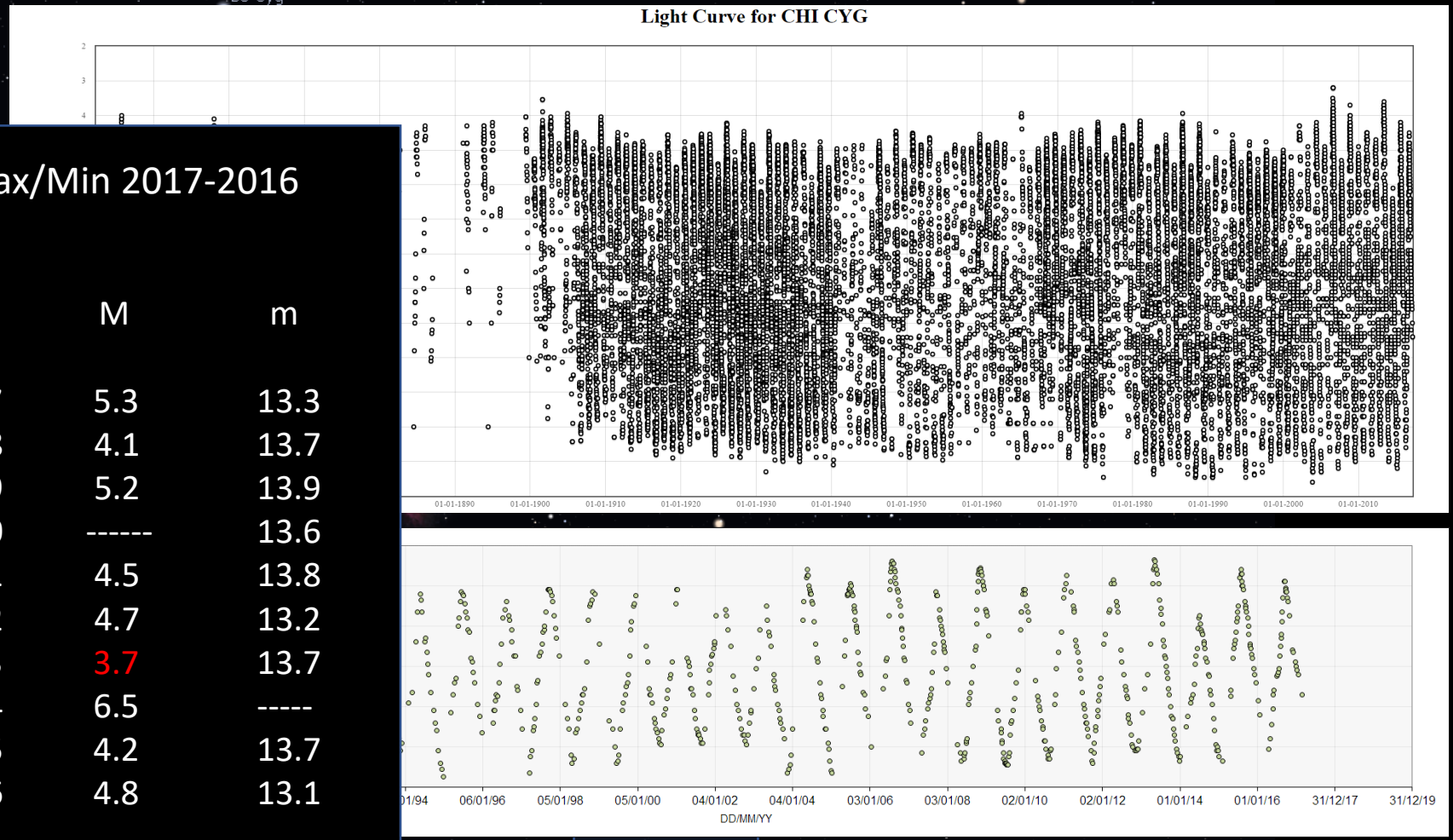
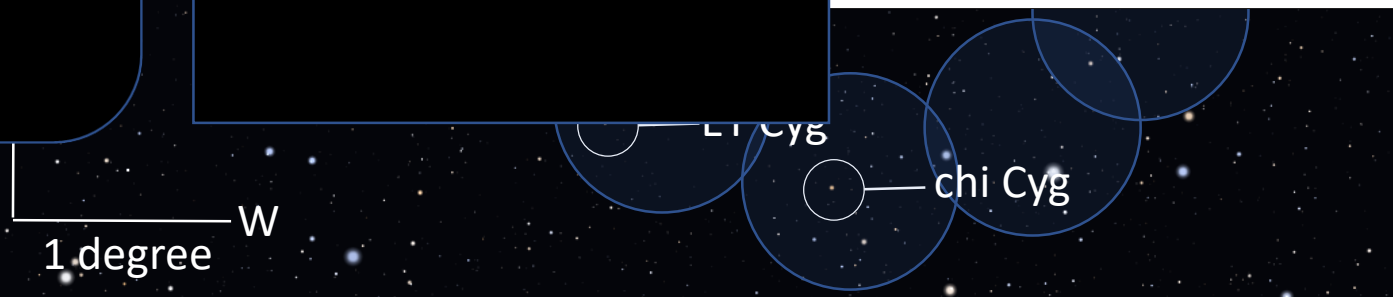
1842-1929 407.3d
1930-2017 408.7d

Max. Oct 2017
Min. May 2017

Max/Min 2017-2016

Yr	M	m
2007	5.3	13.3
2008	4.1	13.7
2009	5.2	13.9
2010	------	13.6
2011	4.5	13.8
2012	4.7	13.2
2013	3.7	13.7
2014	6.5	-----
2015	4.2	13.7
2016	4.8	13.1





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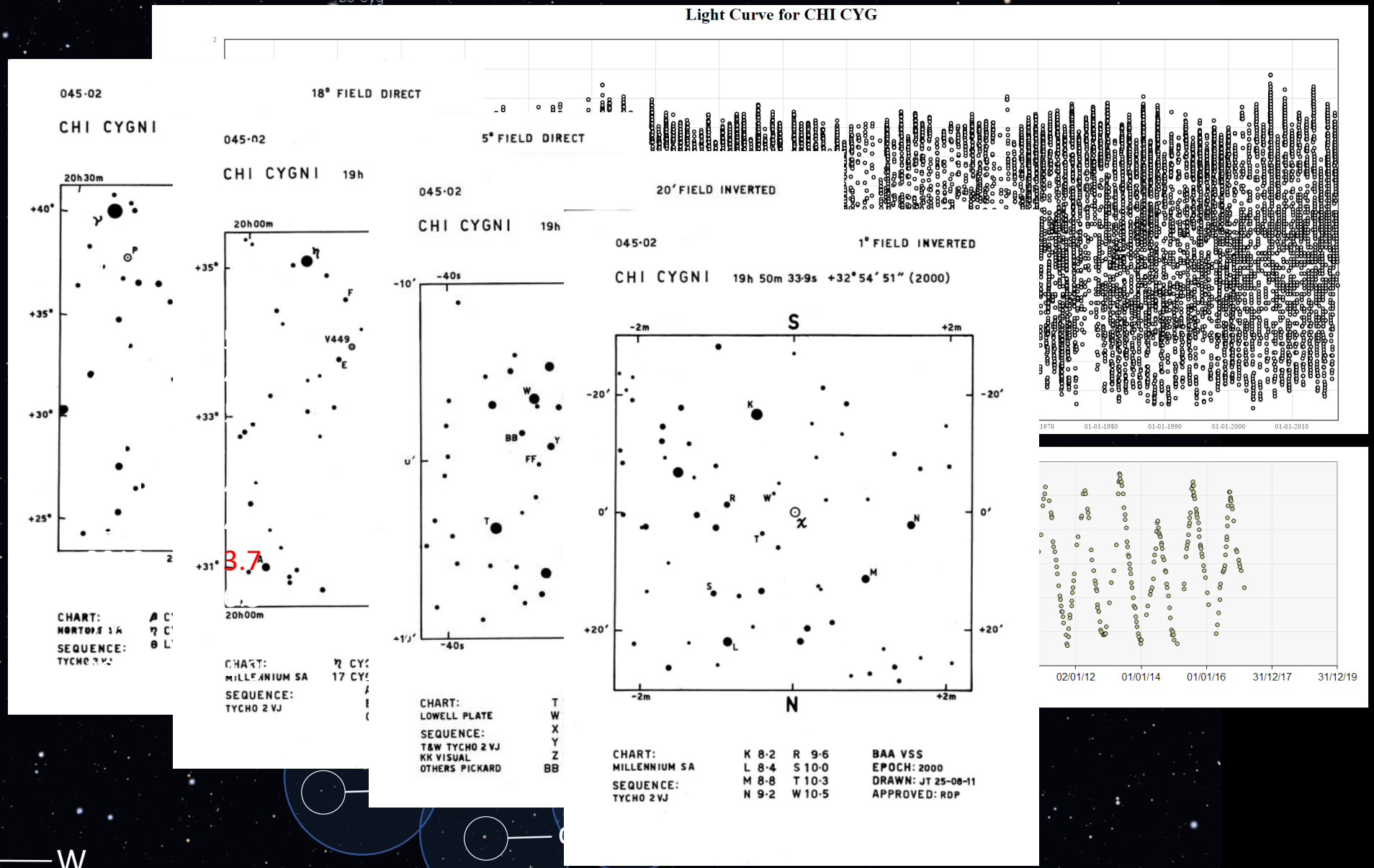


W

1 degree

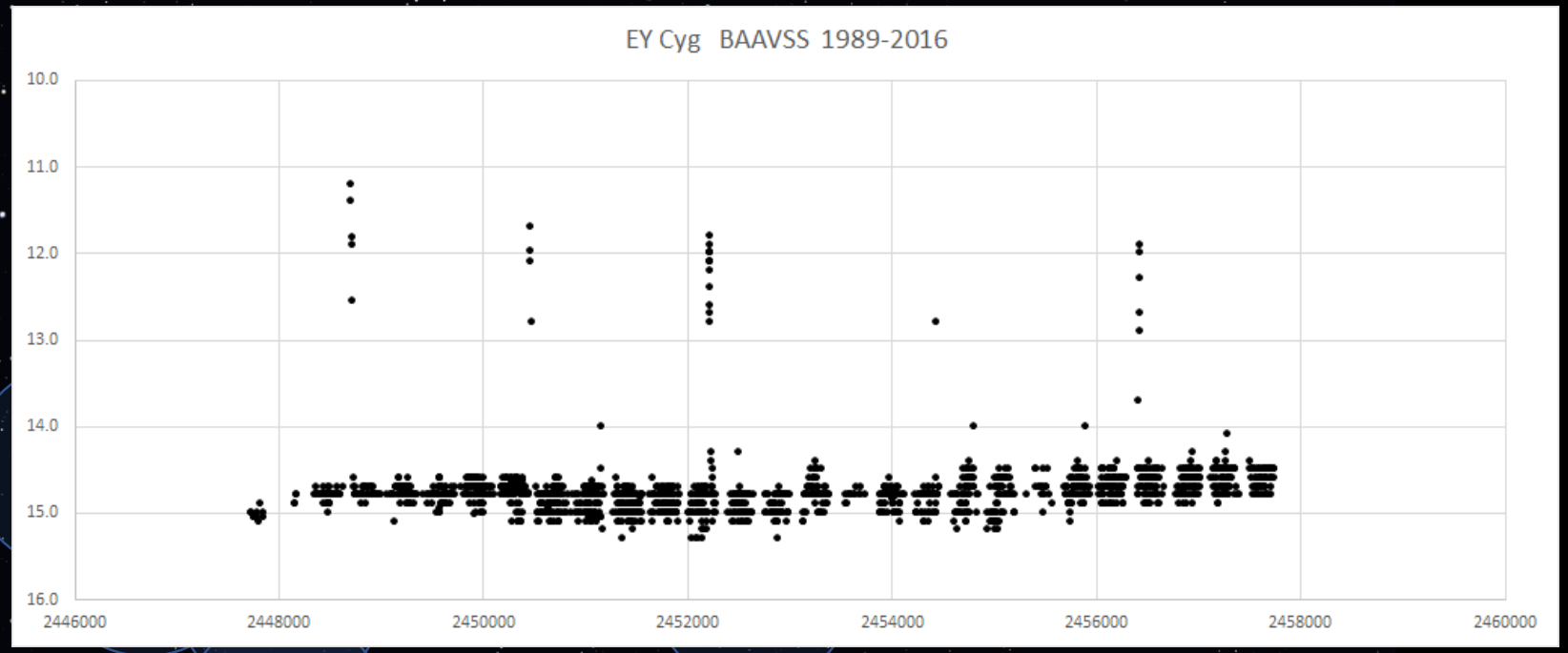
EY Cyg

Discovered by
Hoffmeister 1927

Type: UGSS
P_{orb} 0.459324d (11.0238h)
Range 11.4-15.5V
Period 2000d

Next Outburst?
2018 Autumn/Winter

BAAVSS DB
14 observers 1989-2017
4 observers 2012 -



b3 Cyg

b2 Cyg

EY Cyg

chi Cyg

W

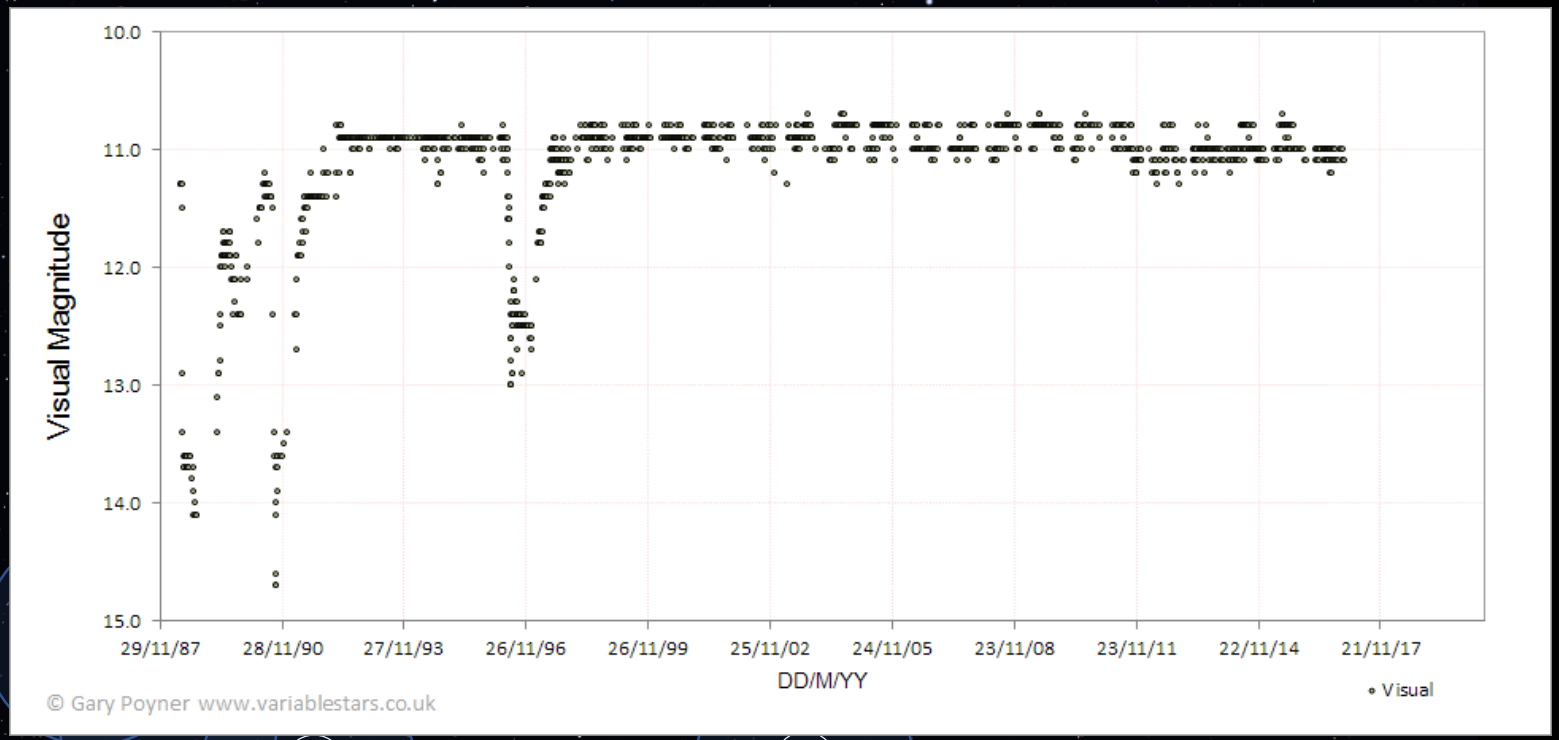
1 degree

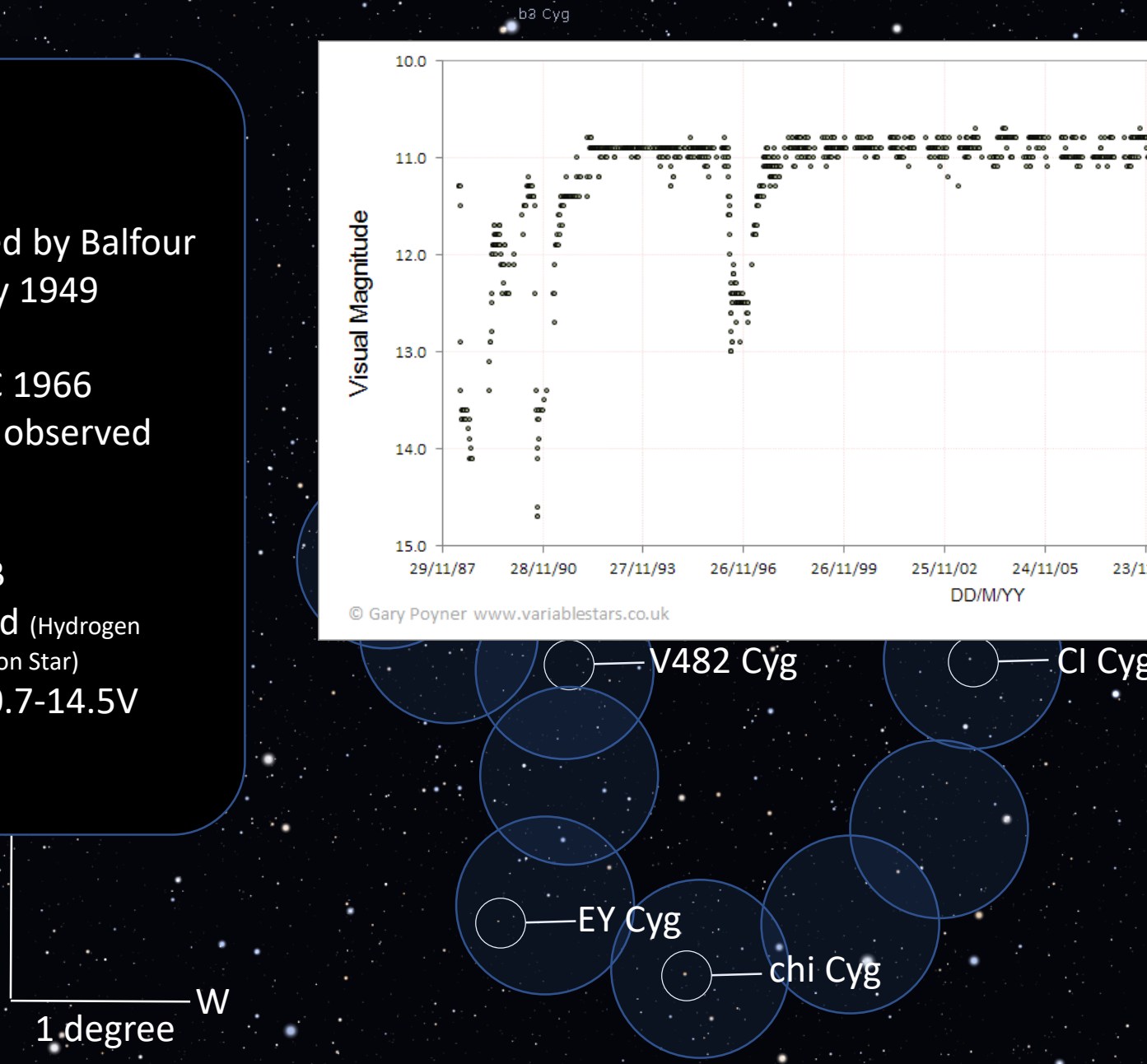
V482 Cyg

Discovered by Balfour S Whitney 1949

AAVSO LC 1966
First fade observed 1977

Type: RCB
Spec: C-Hd (Hydrogen deficient Carbon Star)
Range 10.7-14.5V





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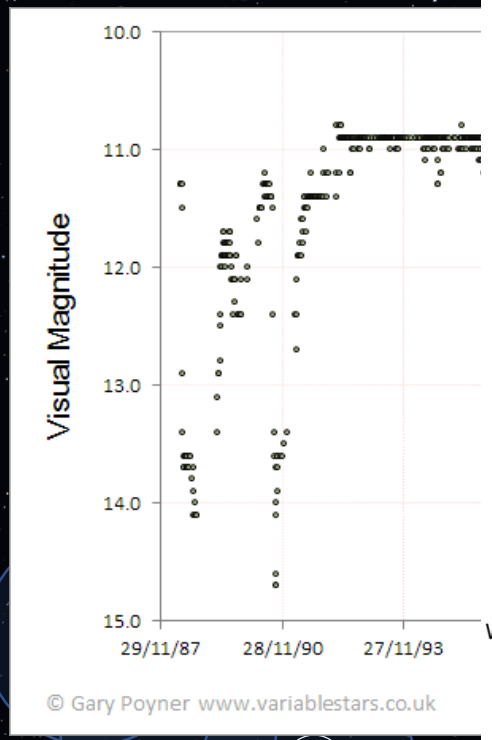

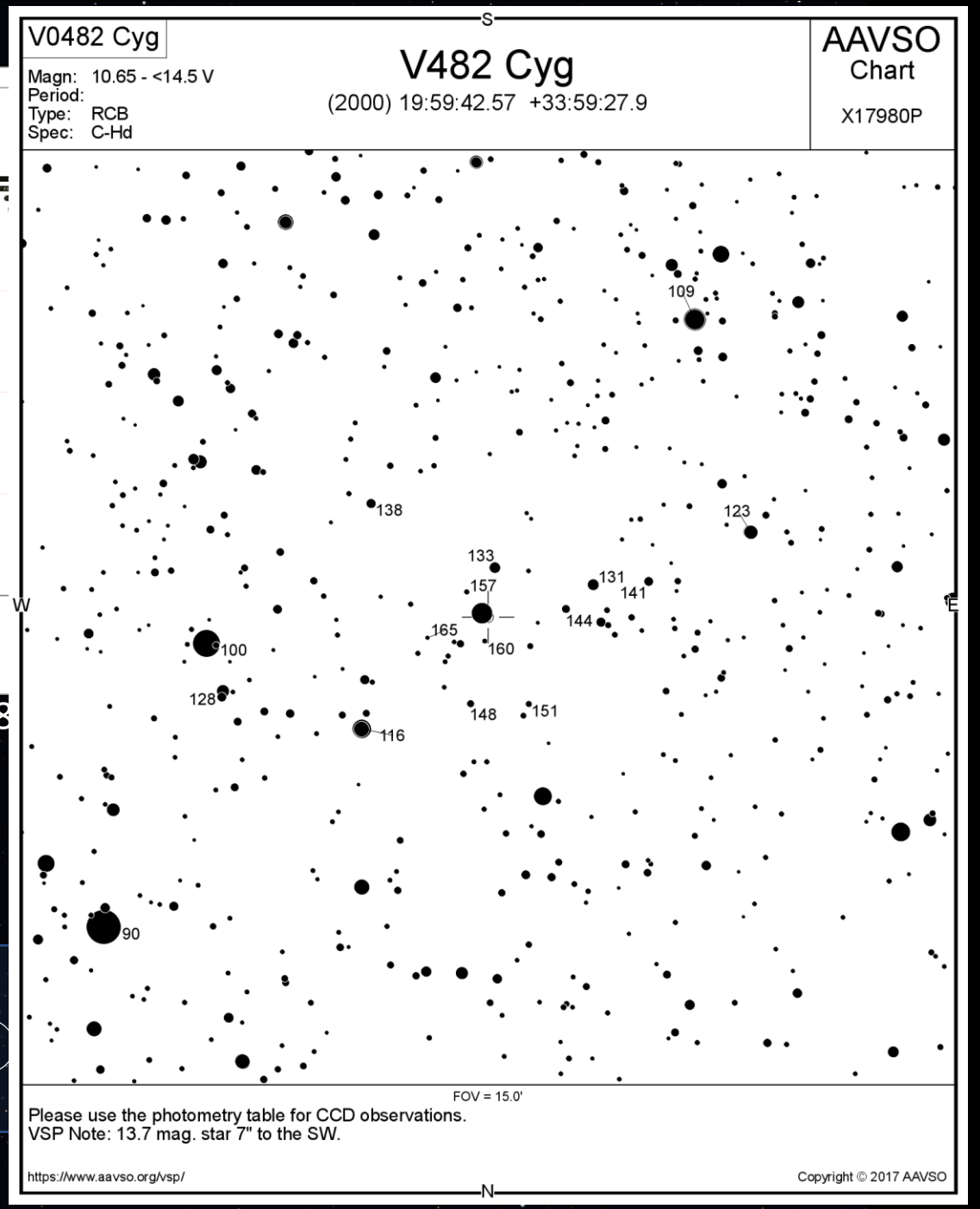

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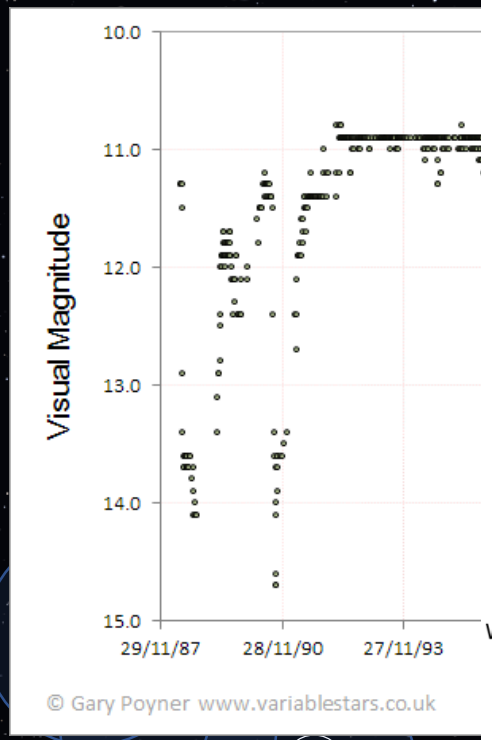
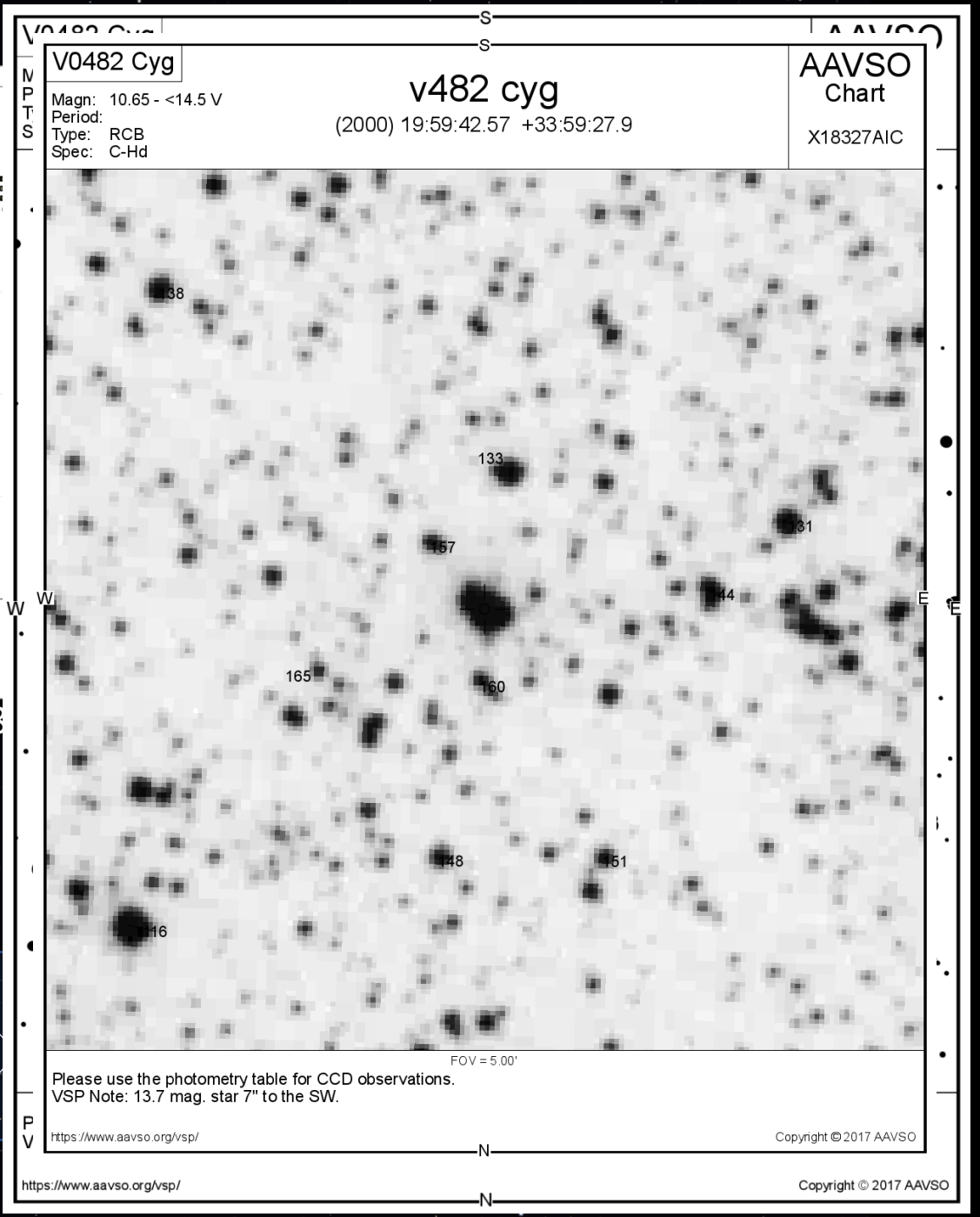
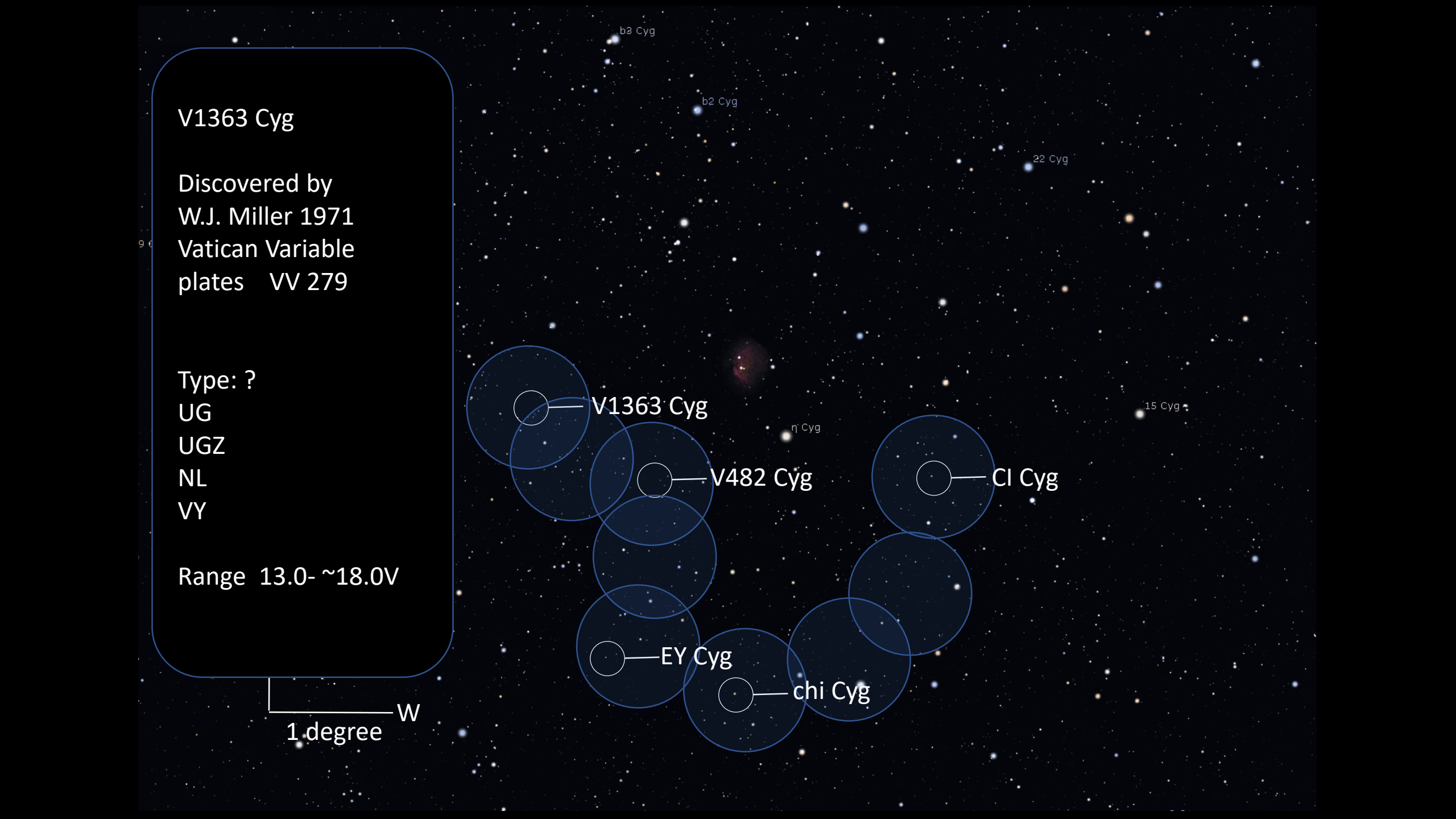




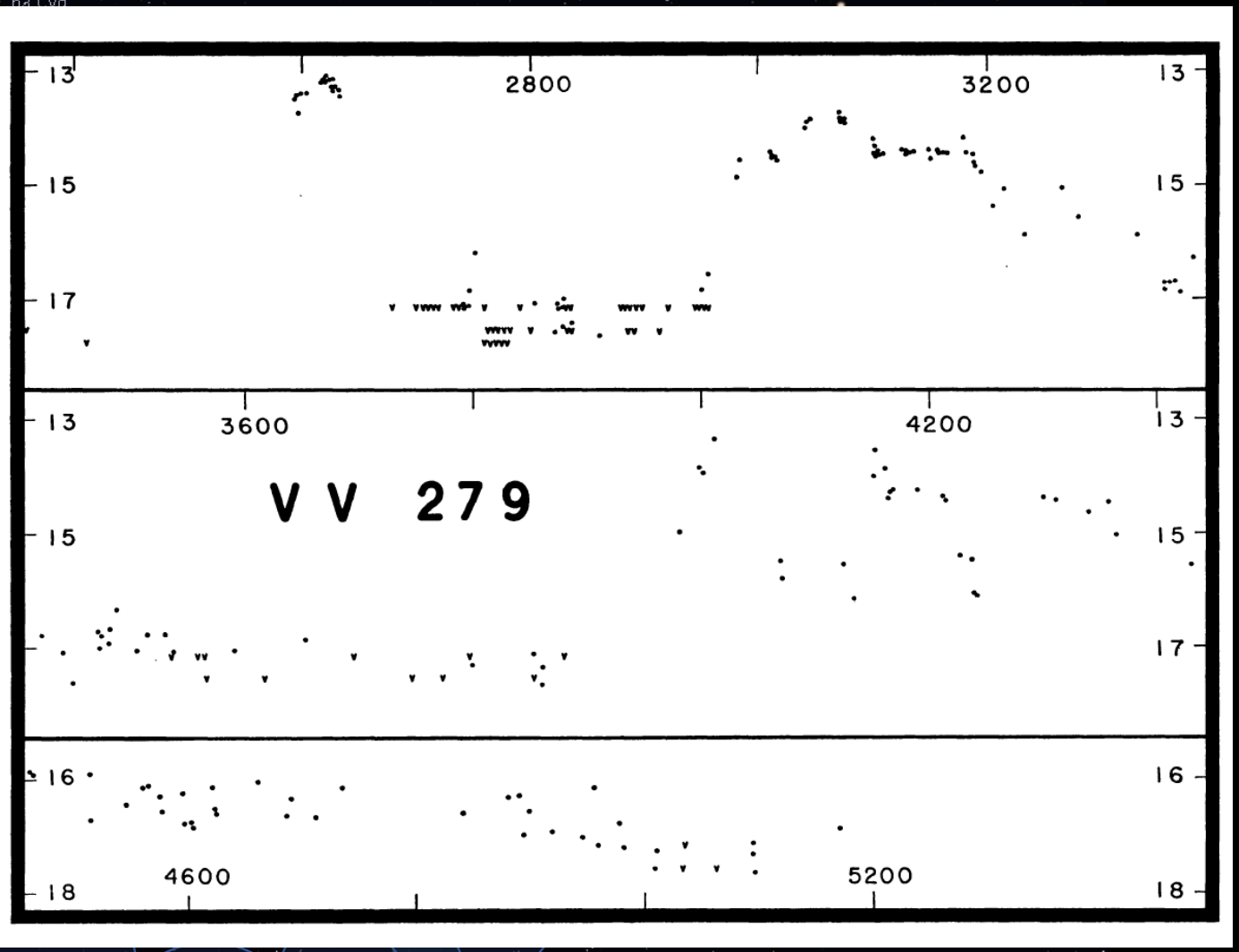

V1363 Cyg
Discovered by
W.J. Miller 1971
Vatican Variable
plates VV 279
Type: ?
UG
UGZ
NL
VY
Range 13.0- ~18.0V
b3 Cyg
b2 Cyg
22 Cyg
15 Cyg
η Cyg
V1363 Cyg
V482 Cyg
CI Cyg
EY Cyg
chi Cyg
W
1 degree

V1363 Cyg

Discovered by
W.J. Miller 1971
Vatican Variable
plates VV 279

Type: ?
UG
UGZ
NL
VY

Range 13.0- ~18.0V



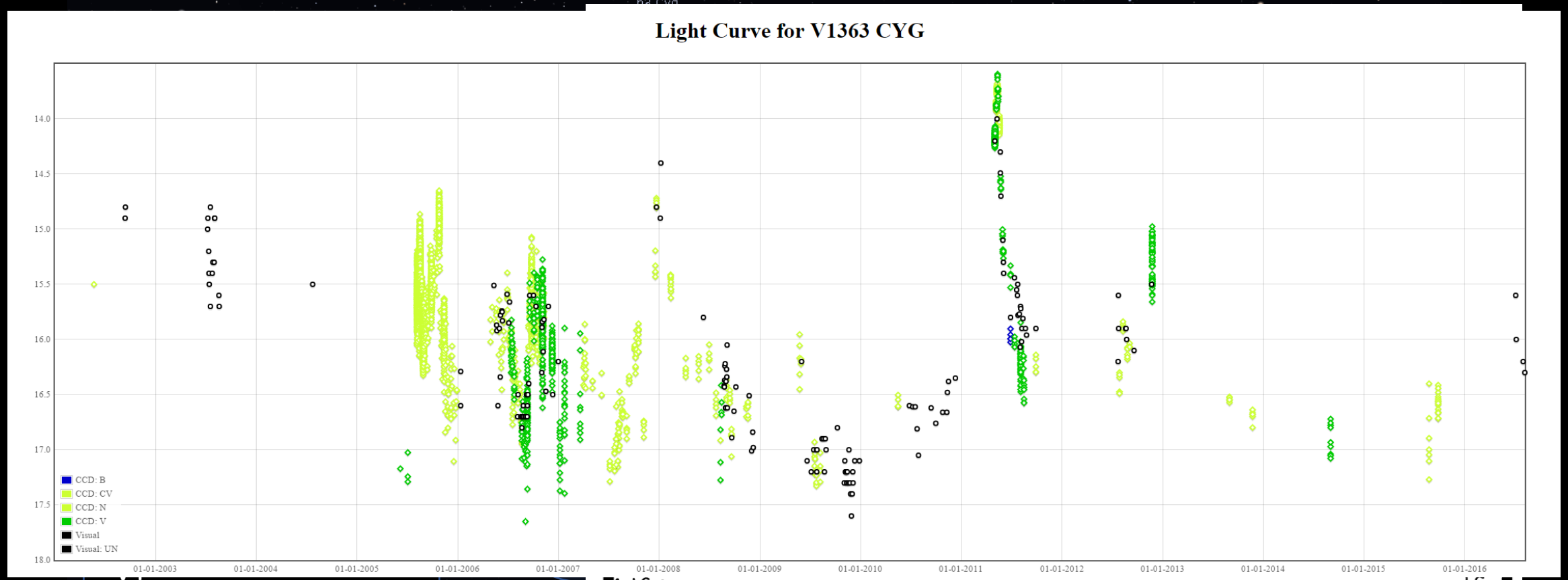
V

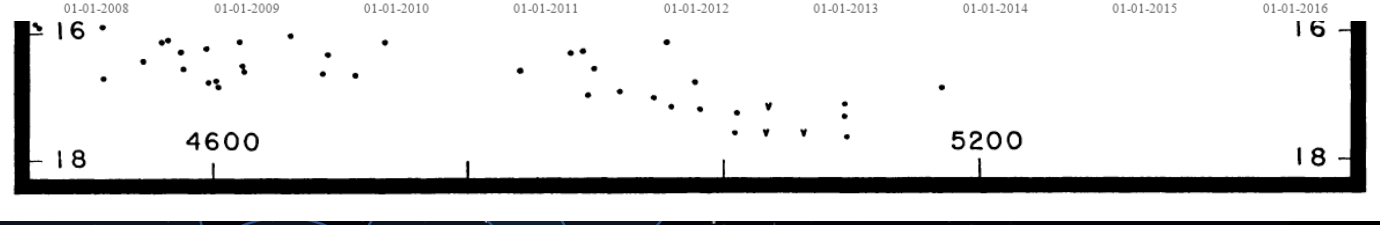
EY Cyg

chi Cyg

W

1 degree





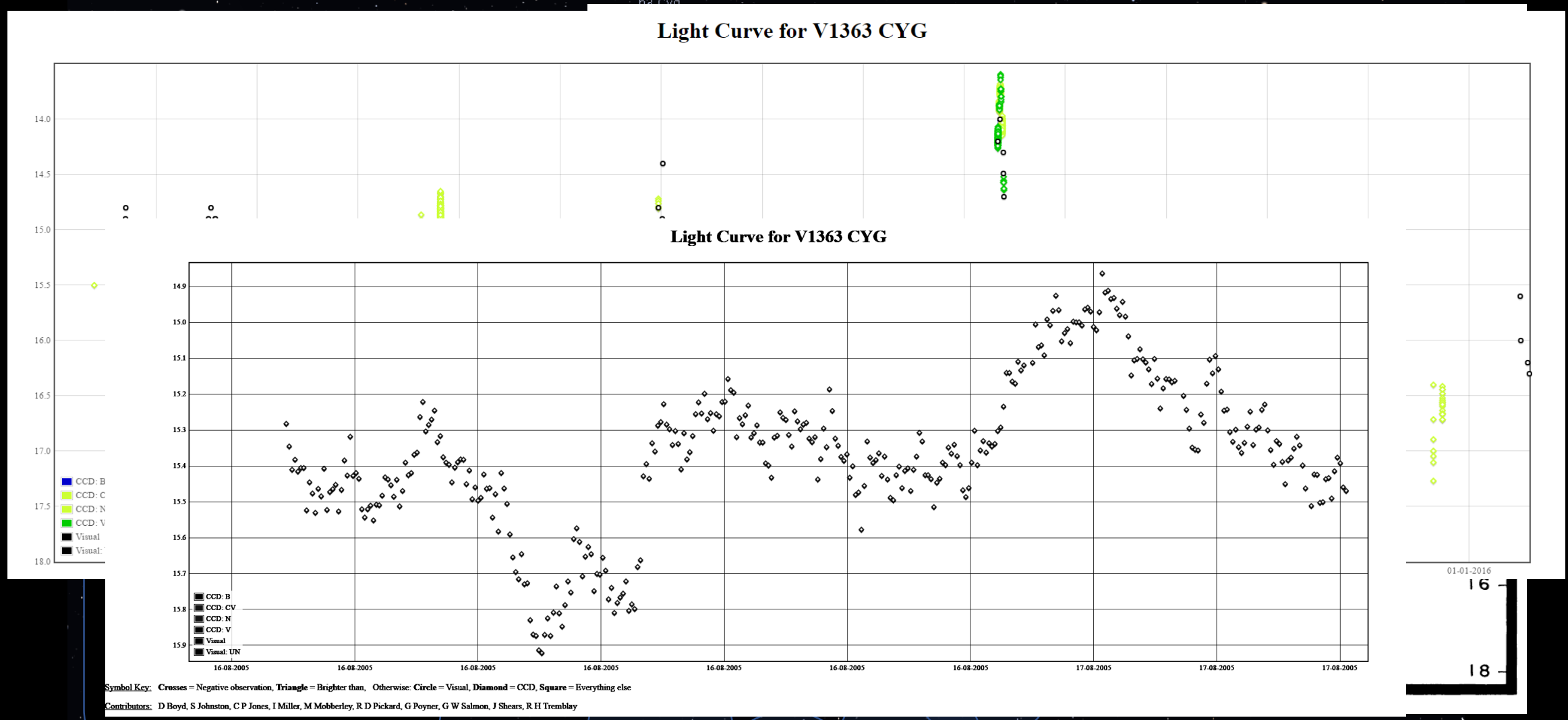
Range 13.0- ~18.0V

EY Cyg

chi Cyg

W

1 degree

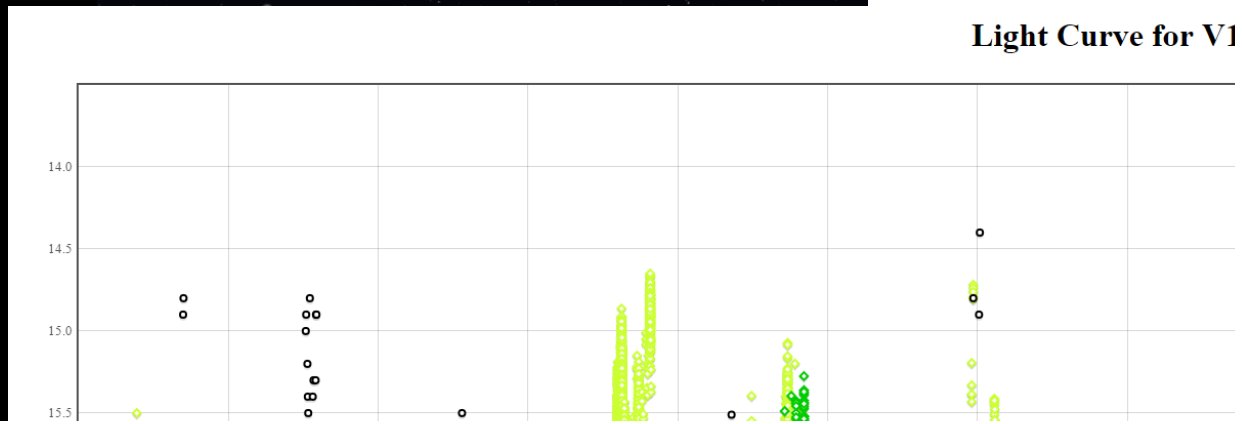


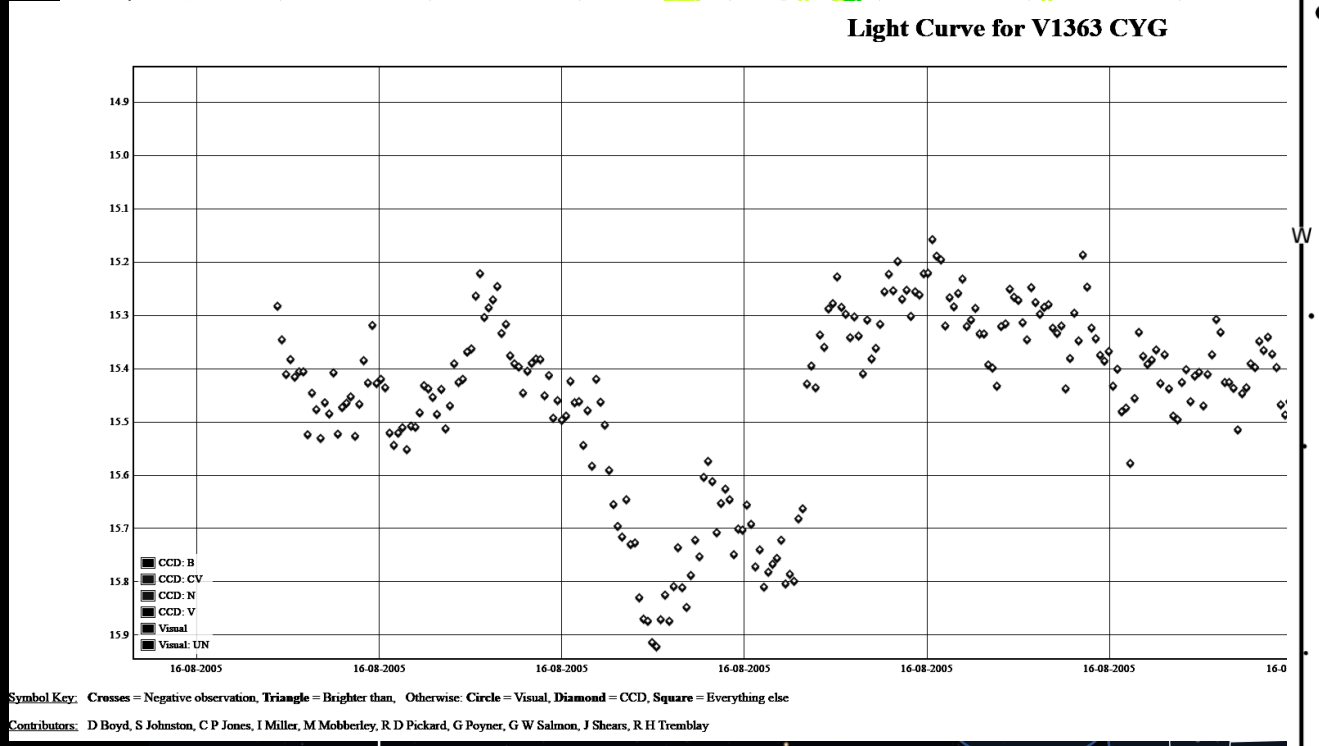
EY Cyg

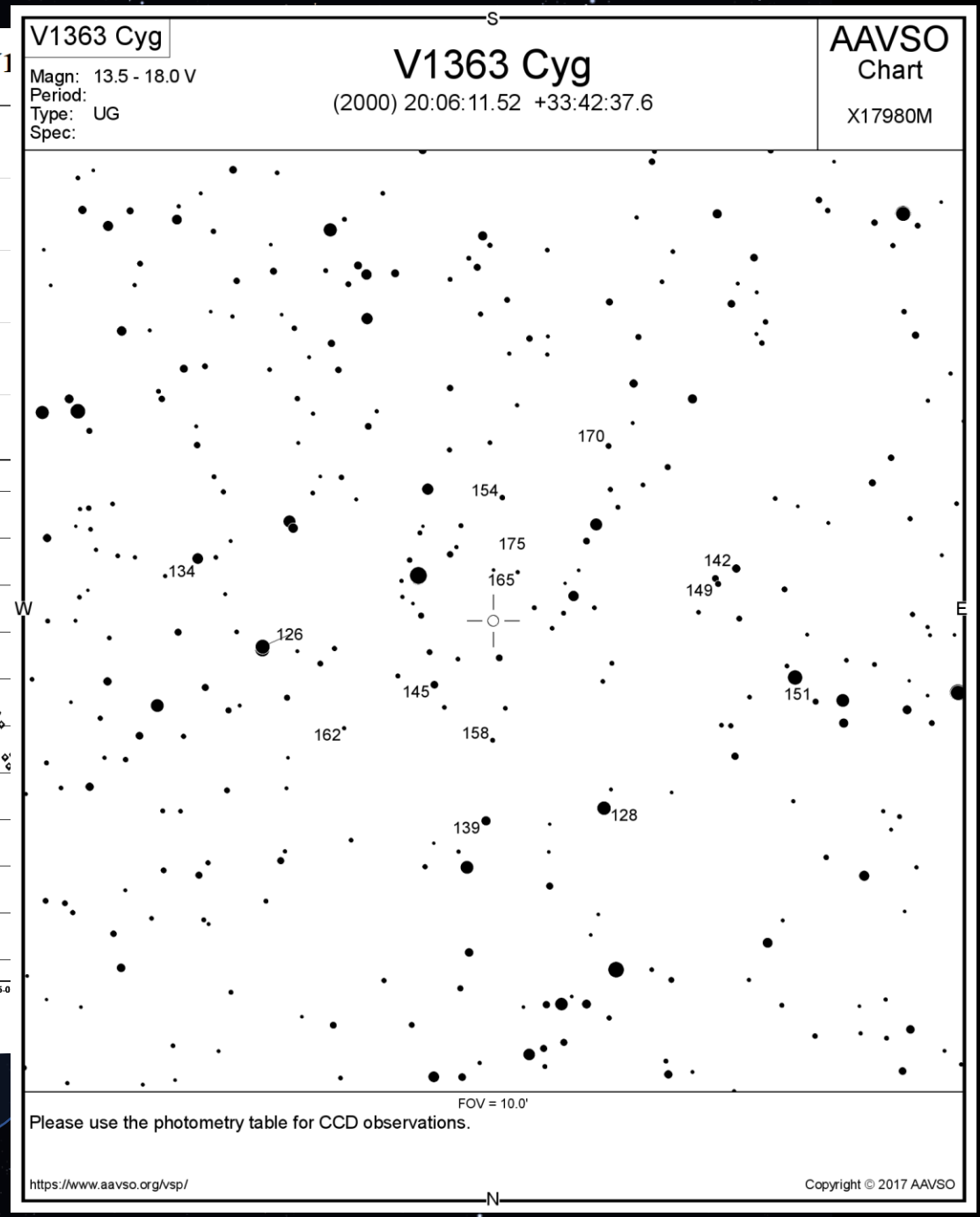
chi Cyg

W

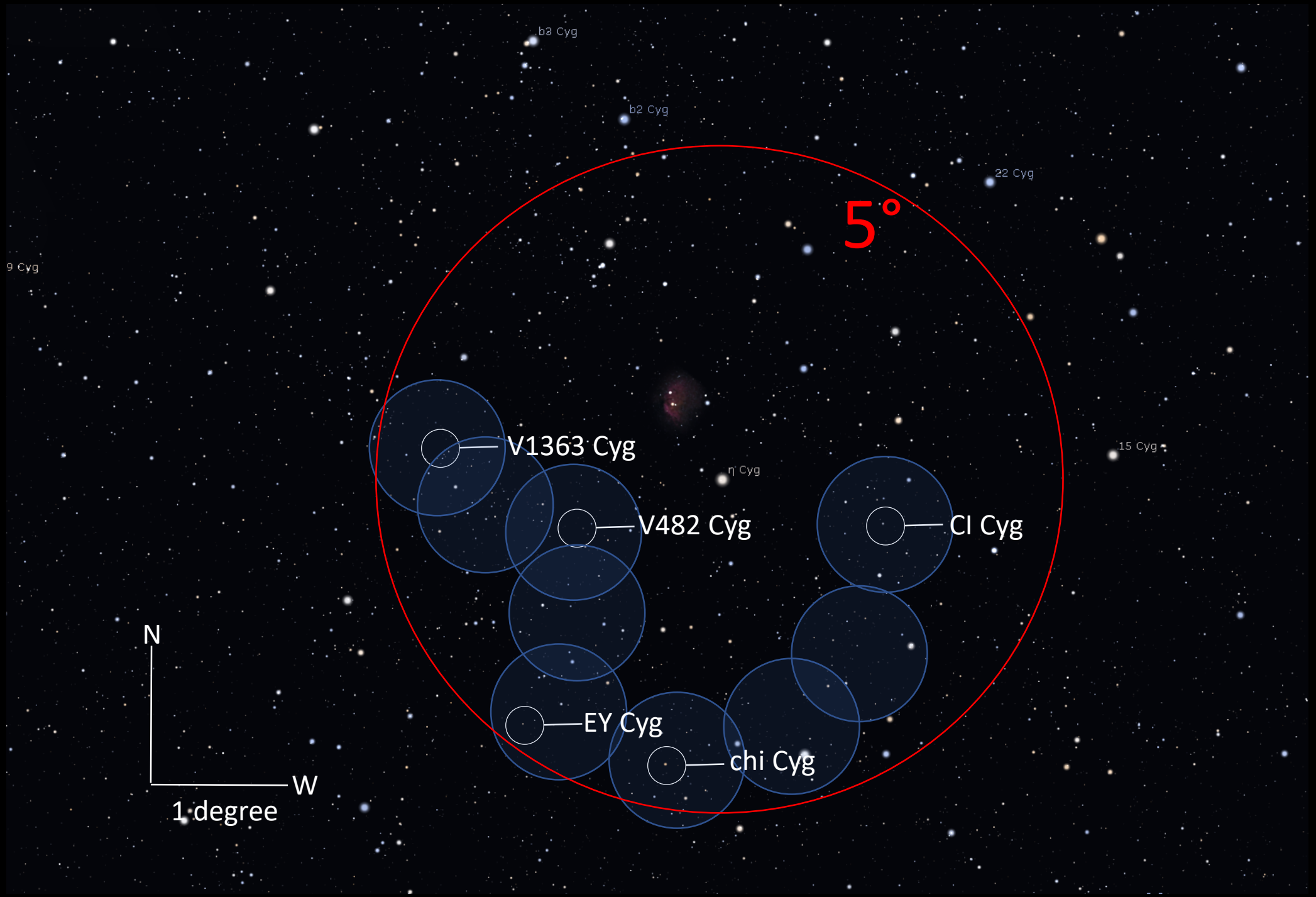
1 degree


Light Curve for V1
14.0
14.5
15.0
15.5


Light Curve for V1363 CYG
14.9
15.0
15.1
15.2
15.3
15.4
15.5
15.6
15.7
15.8
15.9
CCD: B
CCD: CV
CCD: N
CCD: V
Visual
Visual: UN
16-08-2005
Symbol Key: Crosses = Negative observation, Triangle = Brighter than, Otherwise: Circle = Visual, Diamond = CCD, Square = Everything else
Contributors: D Boyd, S Johnston, C P Jones, I Miller, M Mobberley, R D Pickard, G Poyner, G W Salmon, J Shears, R H Tremblay


V1363 Cyg
Magn: 13.5 - 18.0 V
Period:
Type: UG
Spec:
V1363 Cyg
(2000) 20:06:11.52 +33:42:37.6
AAVSO
Chart
X17980M
S
W
E
N
170
154
175
134
165
142
149
126
145
151
162
158
128
139
FOV = 10.0'
Please use the photometry table for CCD observations.
https://www.aavso.org/vsp/
Copyright © 2017 AAVSO


W
1 degree


b3 Cyg
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1 degree