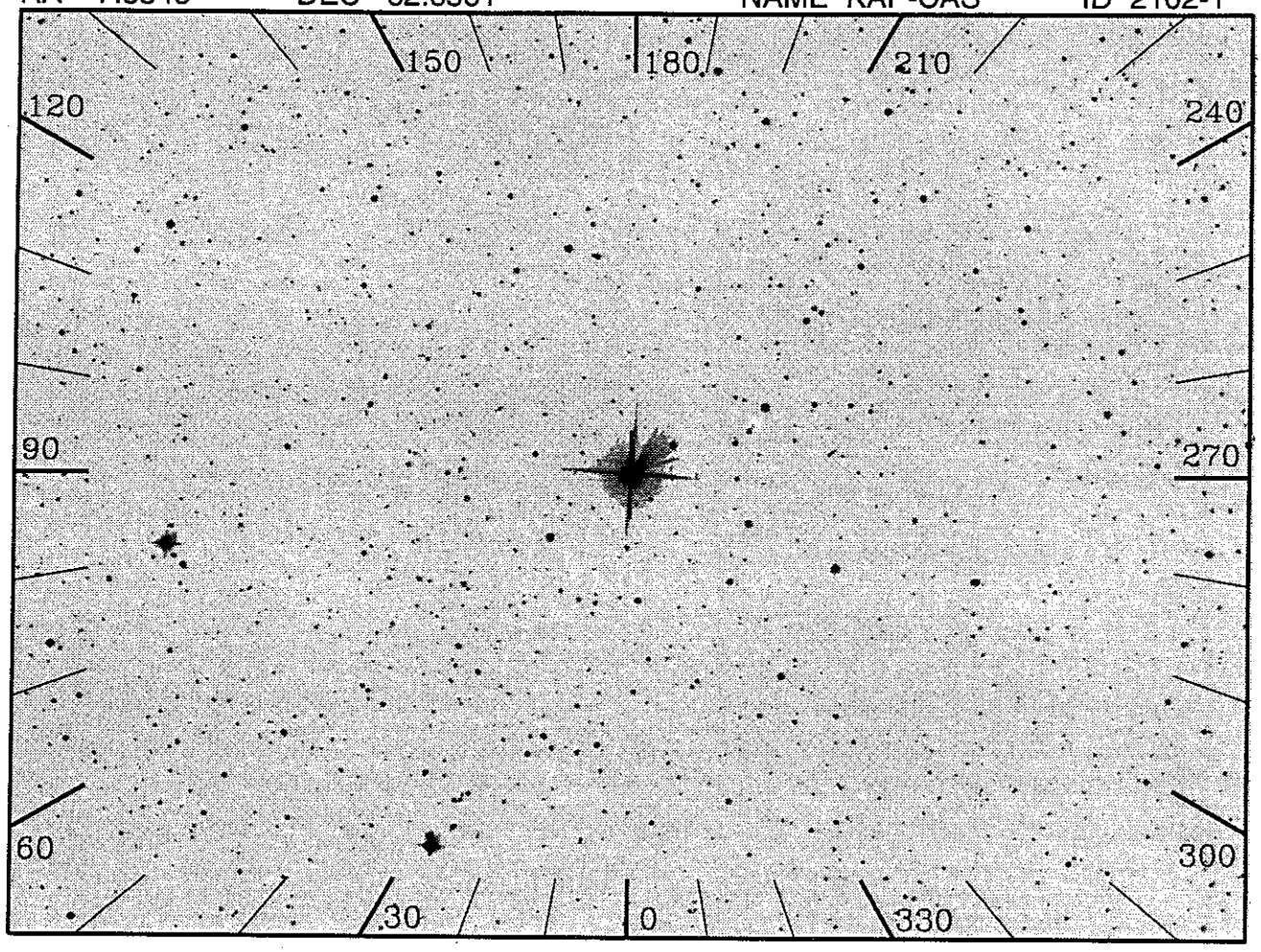
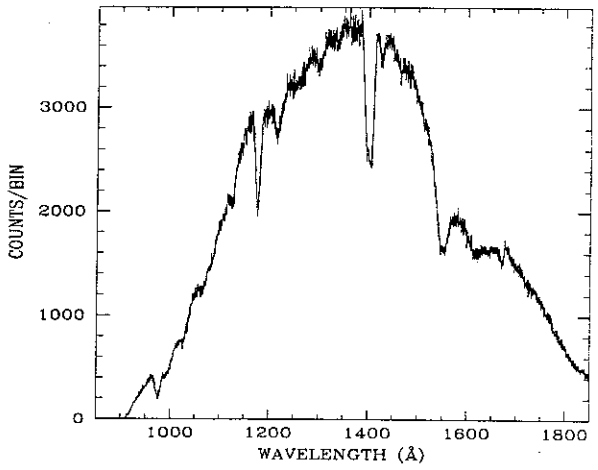
RA 7.5348 DEC 62.6561 NAME KAP-CAS ID 2102-1

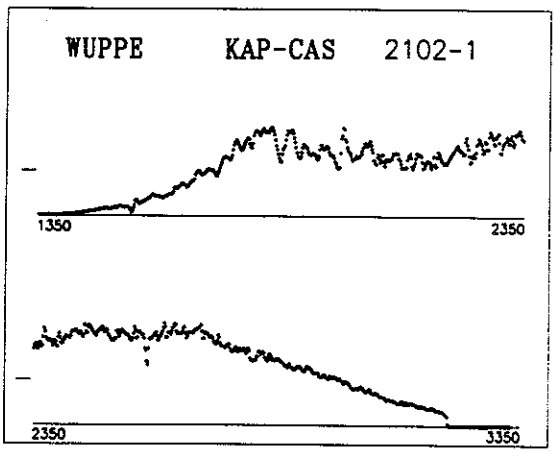


OBJECT: 2102 KAP-CAS
KEYWORDS: Reddened B1 Ia Supergiant Star
COMMENTS:
SIM uses Kurucz T=30000 K log g=3.5 model with E(B-V)= 0.33 and 50 cm^2 door state.

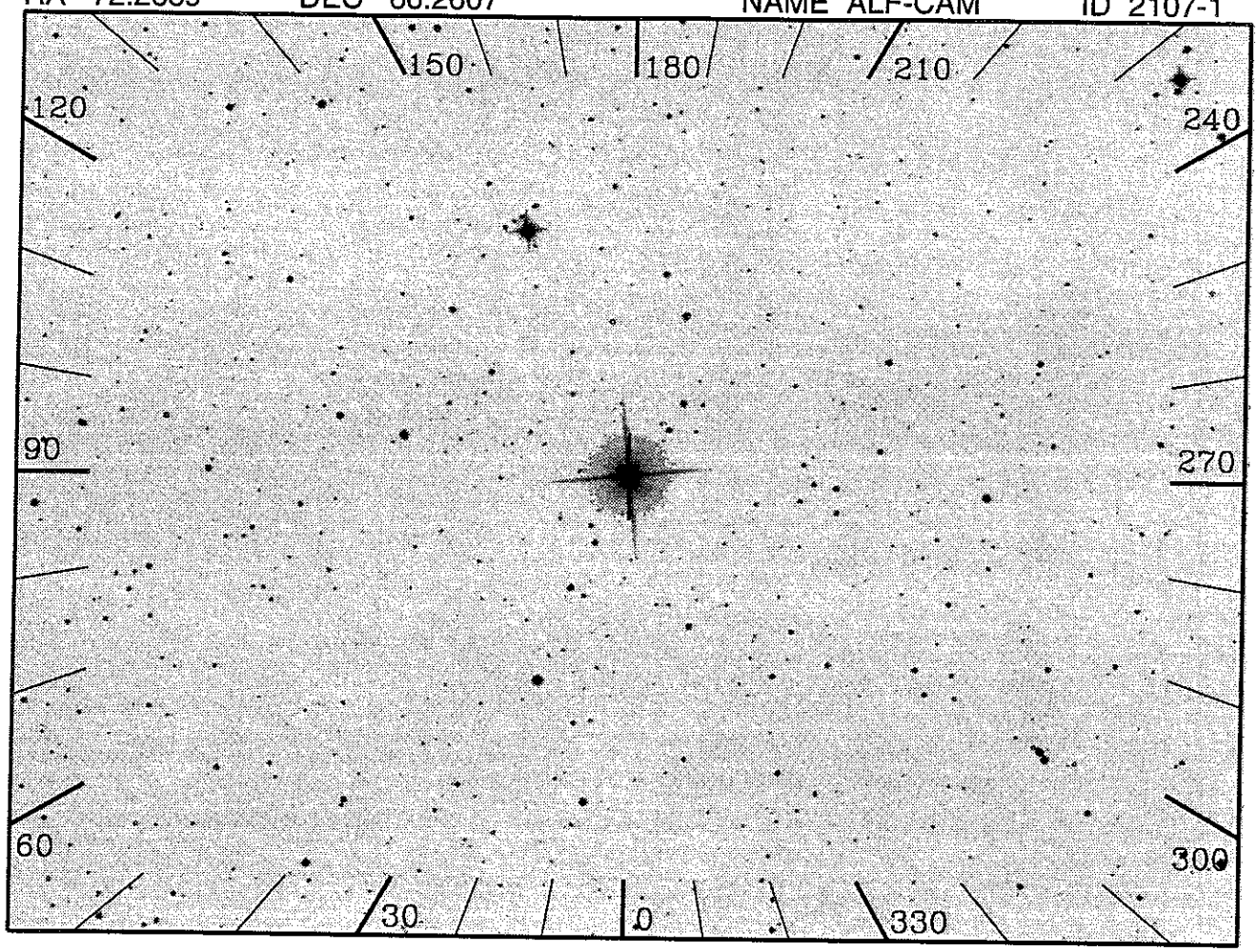
20", 1000(s), Night



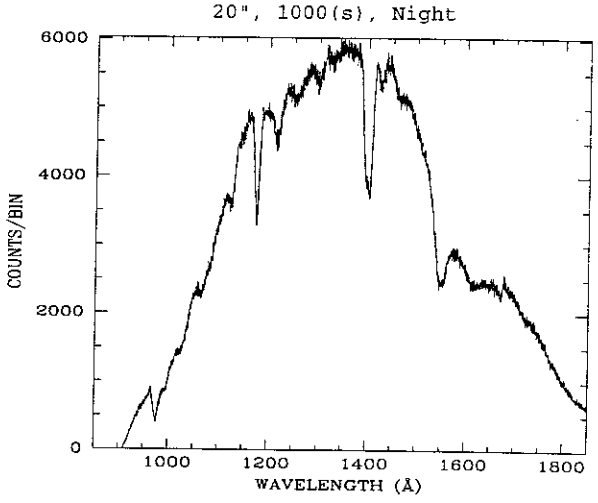
ID: 2102-1 W=Prime SciPgm= W31
Names: KAP-CAS HD2905
Info: B1Iae V= 4.2 Wupmag=2.81
% Pol: 1.10 (Astro-1)
Pos Ang: 86.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1. Potential FUSP target. Shows optical polarization variations. NOTE: SPECTROMETER IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.



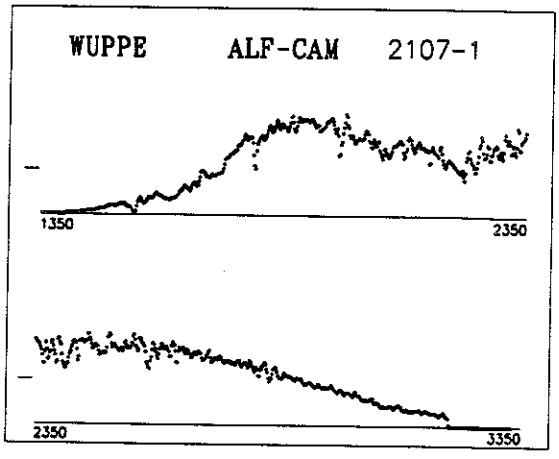
RA 72.2659 DEC 66.2607 NAME ALF-CAM ID 2107-1



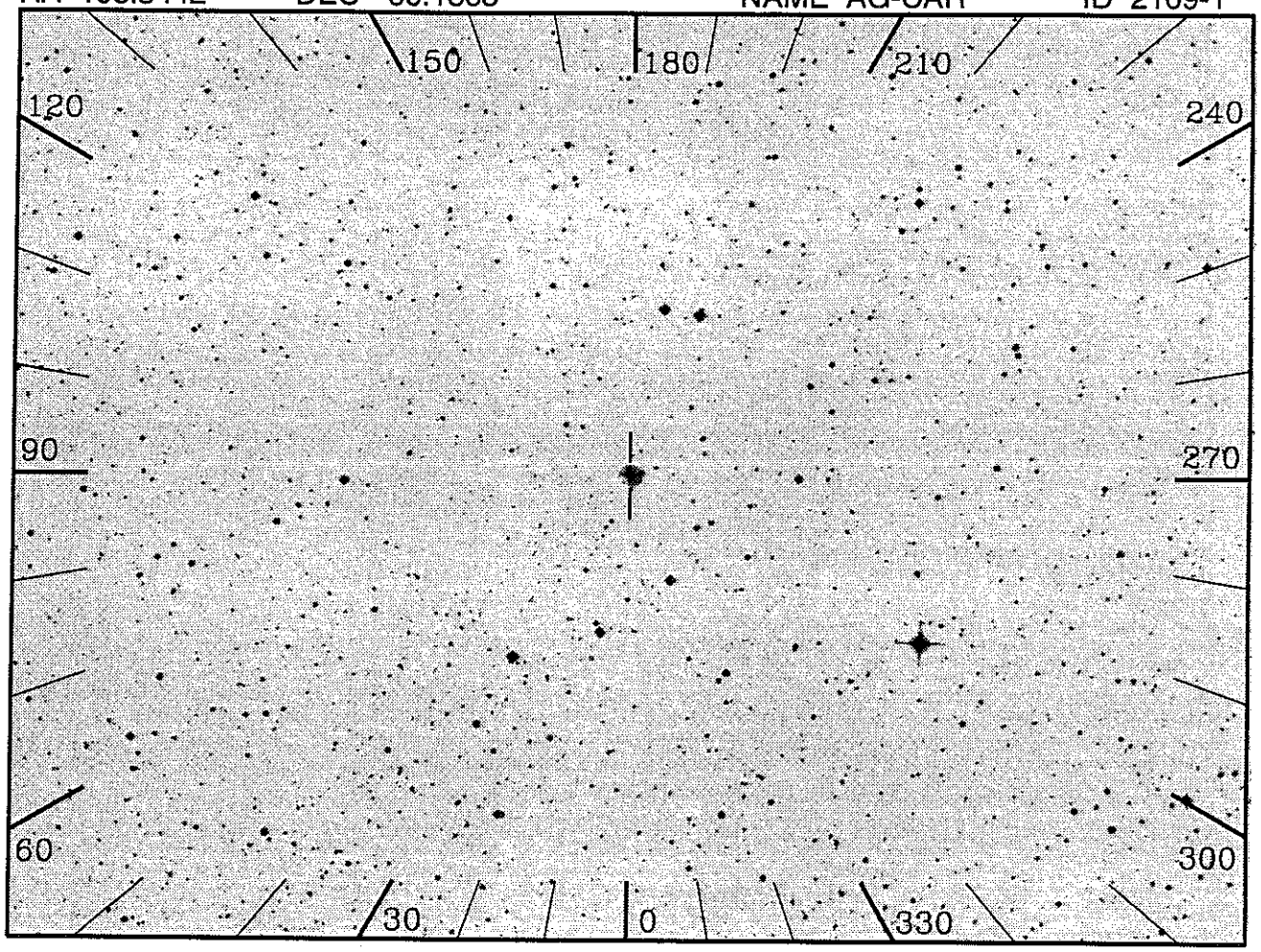
OBJECT: 2107 ALF-CAM
KEYWORDS: Reddened O9.5 Ia Supergiant Star
COMMENTS:
SIM uses Kurucz T=30000 K log g=3.5 model with E(B-V)= 0.28 and 50 cm^2 door state. However, predicte count rate forces use of door state 1 (1 cm^2), so count rate should be much lower than shown at right.



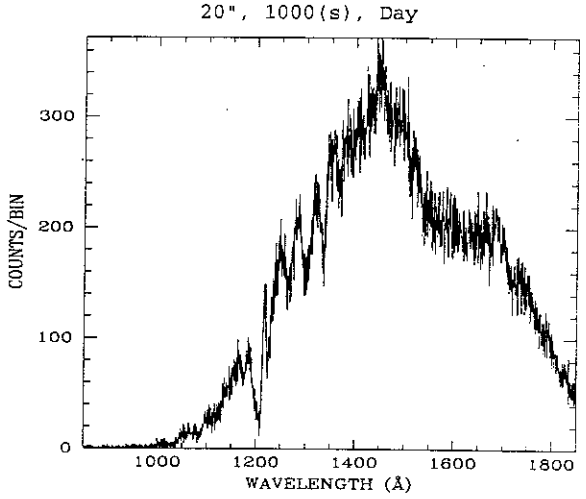
ID: 2107-1 W=Prime SciPgm= W31
Names: ALF-CAM HD30614
Info: O9.5Iae V= 4.4 Wupmag=2.33
% Pol: 1.20 (Astro-1)
Pos Ang: 135.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1. Potential FUSP target. Shows optical polarization variations. NOTE: SPECTROMETER IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.



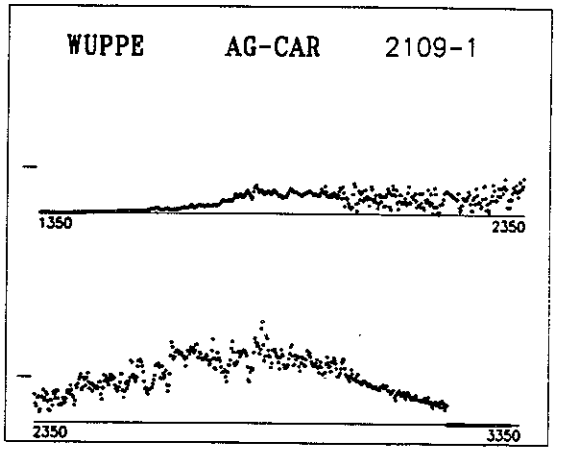
RA 163.5442 DEC -60.1863 NAME AG-CAR ID 2109-1



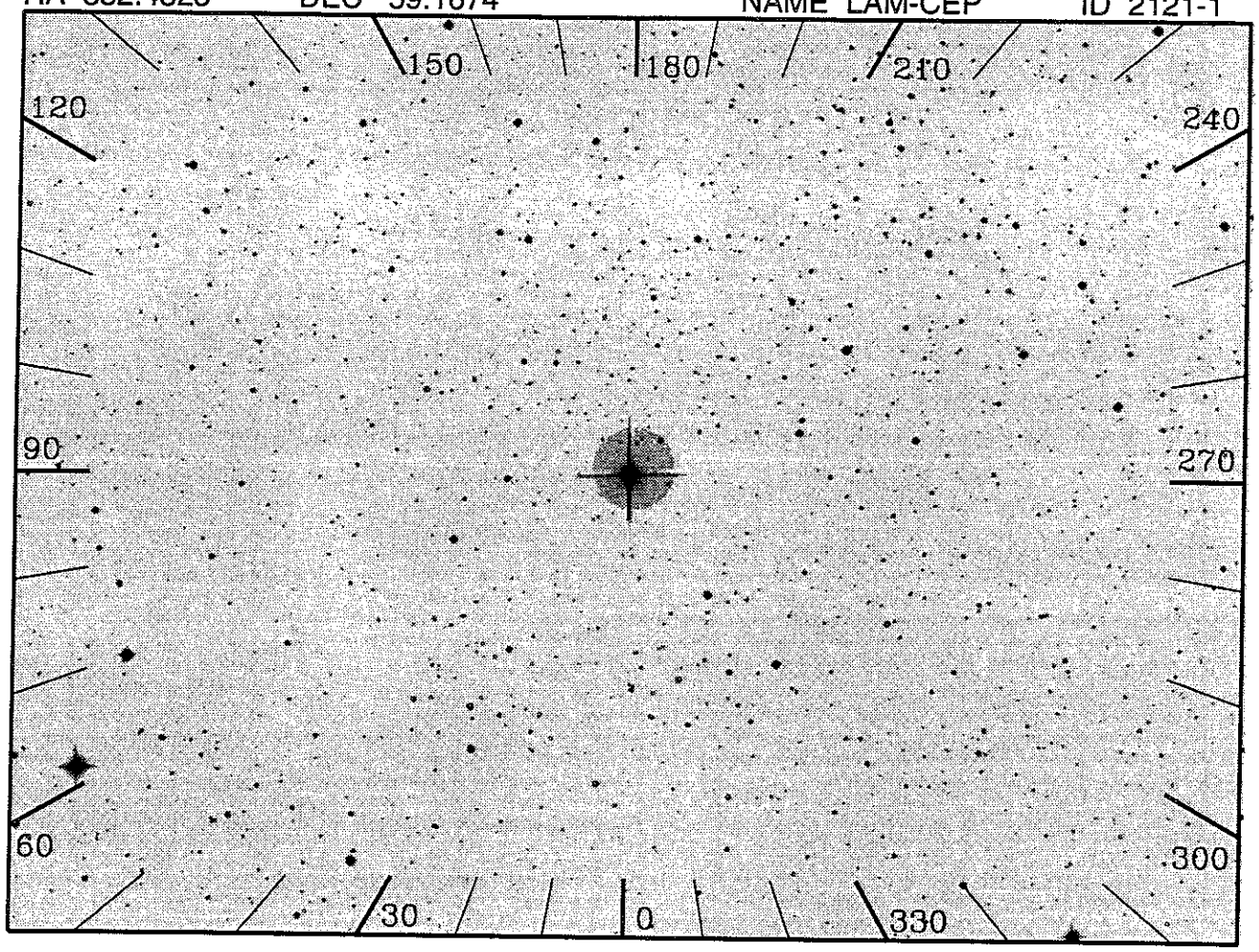
OBJECT: 2109 AG-CAR
KEYWORDS: Luminous blue variable
COMMENTS:
HST followup



ID: 2109-1 W=Prime SciPgm= W31
Names: AG-CAR HD94910
Info: B2pe V= 5.8 Wupmag=6.28
% Pol: 0.3 - 1.%
Pos Ang: 140-155
Mechanism: Electron scattering in circum-stellar disk and dust?
Comments:
Follow-up to HST FOS specpol. Currently may be in extreme outburst state with very low UV flux. Large UV specpol variations (HST). LBV. Evidence for a disk-like geometry.

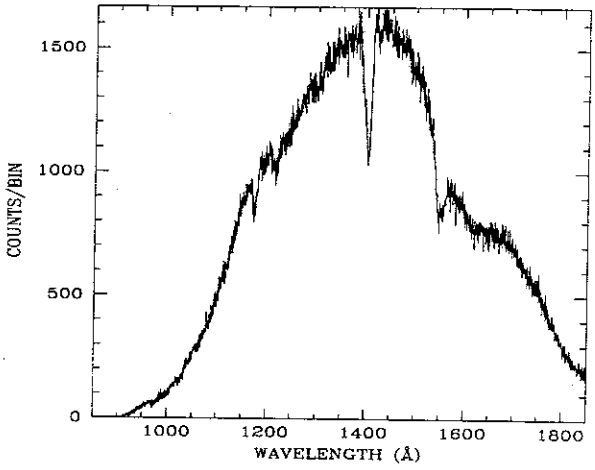


RA 332.4523 DEC 59.1674 NAME LAM-CEP ID 2121-1

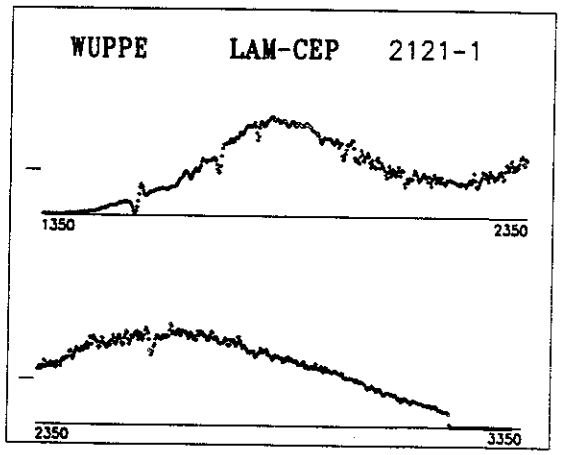


OBJECT: 2121 LAM-CEP
KEYWORDS: Reddened O6 If Supergiant Star
COMMENTS:
SIM uses Kurucz T=40000 K log g=4.5 model with
E(B-V)= 0.55 and 50 cm^2 door state.

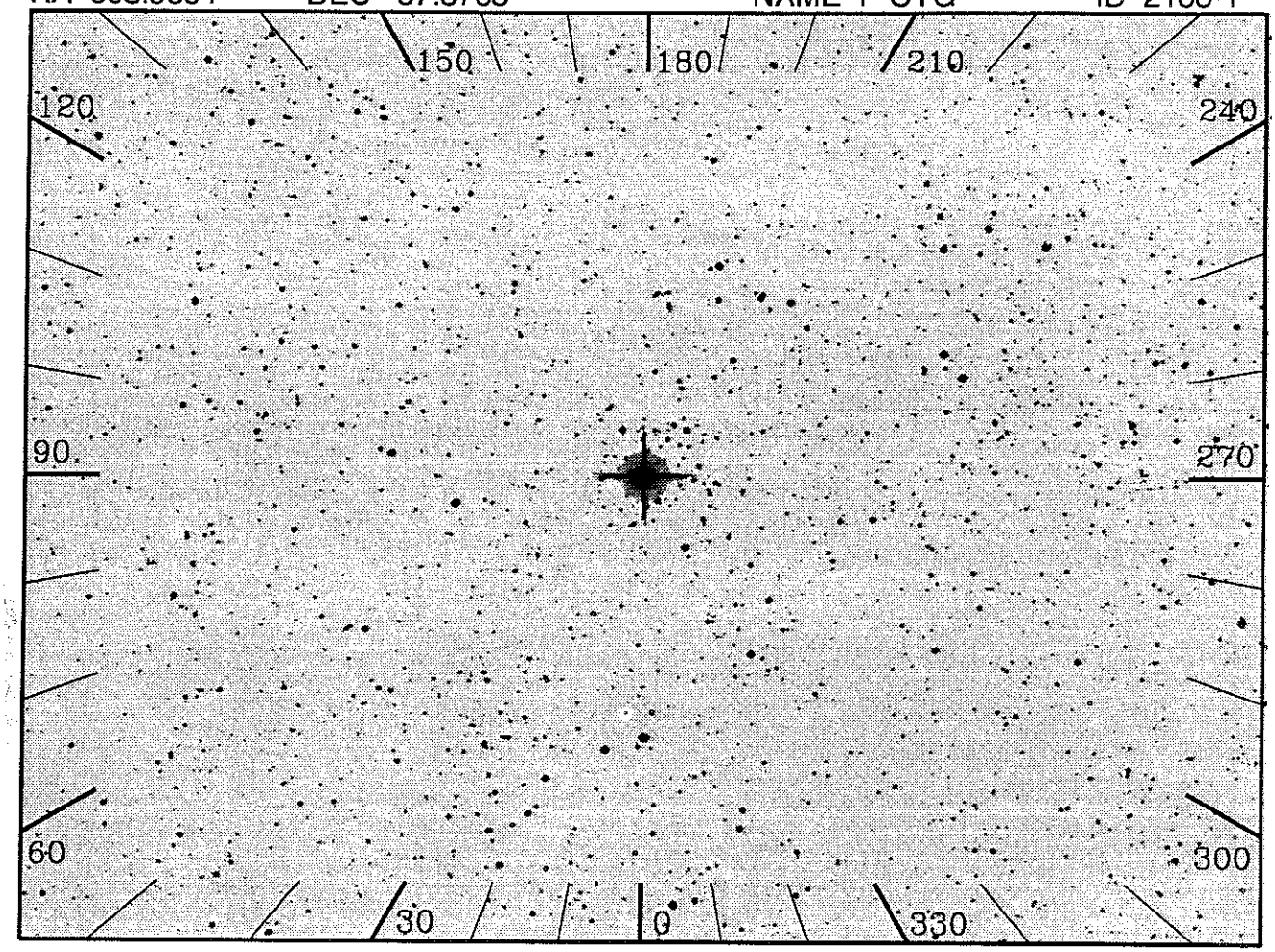
20", 1000(s), Night



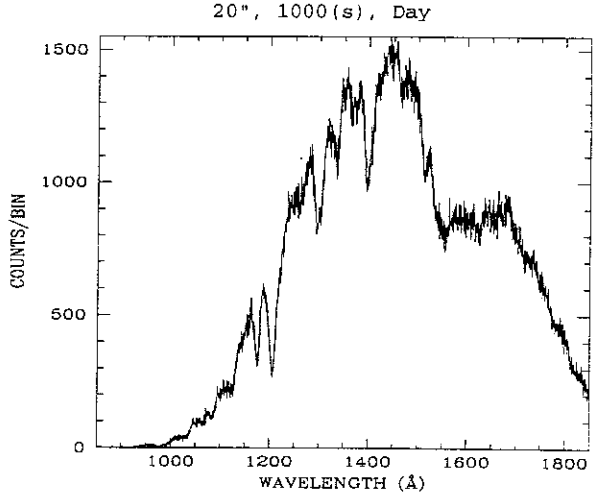
ID: 2121-1 W=Prime SciPgm= W31
Names: LAM-CEP HD210839
Info: O6If V= 5.1 Wupmag=4.09
% Pol: 1.17
Pos Ang: 59.0
Mechanism: Electron scattering
Comments:
Shows evidence for blob ejection.
Small optical polarization variations.



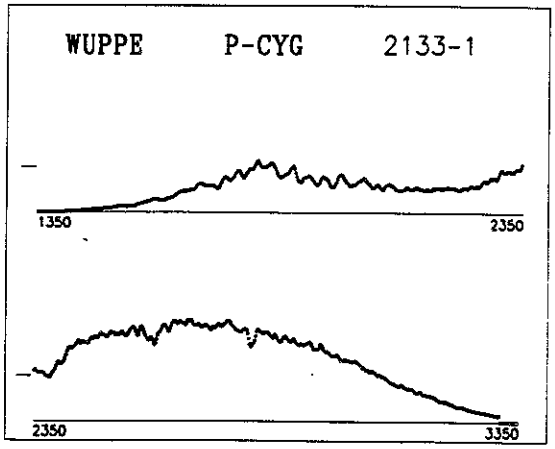
RA 303.9854 DEC 37.8765 NAME P-CYG ID 2133-1



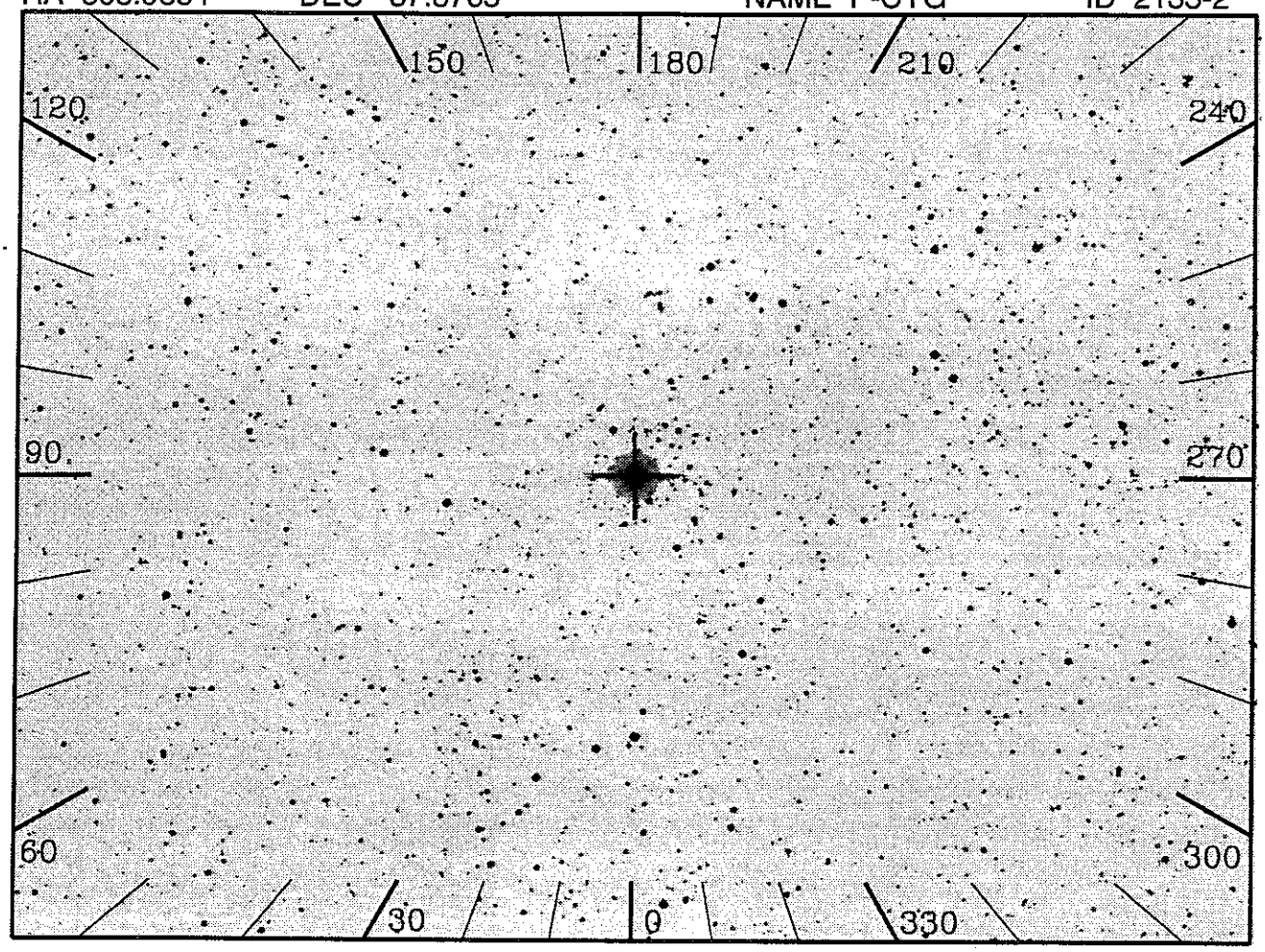
OBJECT: 2133 P-CYG
KEYWORDS: P-Cyg star
COMMENTS:



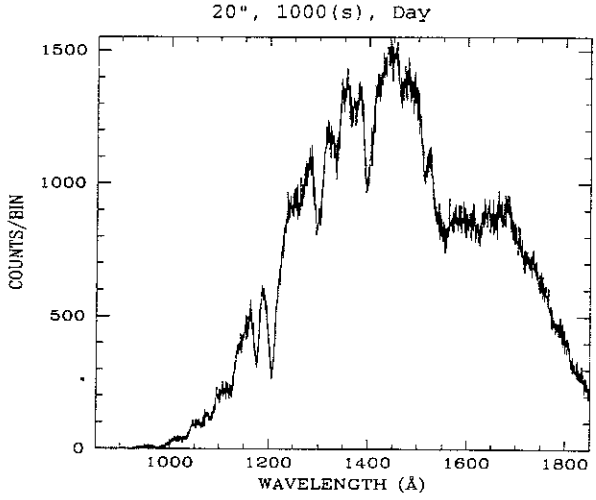
ID: 2133-1 W=Prime SciPgm= W31
Names: P-CYG HD193237
Info: B1Iape V= 4.8 Wupmag=4.34
% Pol: 0.60 (Astro-1)
Pos Ang: 36.0 (Astro-1)
Mechanism: Electron scattering in plumes?
Comments:
Astro-1 follow-up. Rapid time var. in both POL and PA. Pol may vary by as much as 0.5%. Olivia's favorite star.



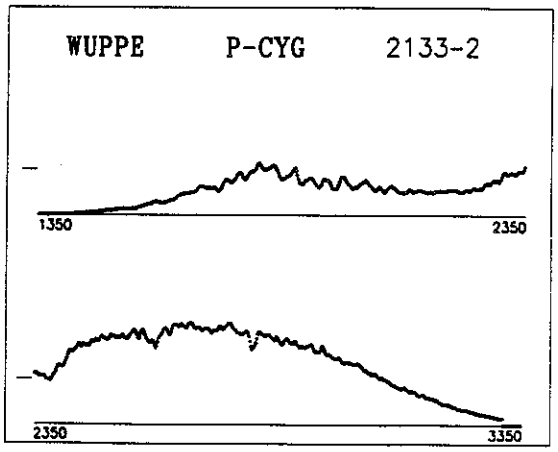
RA 303.9854 DEC 37.8765 NAME P-CYG ID 2133-2



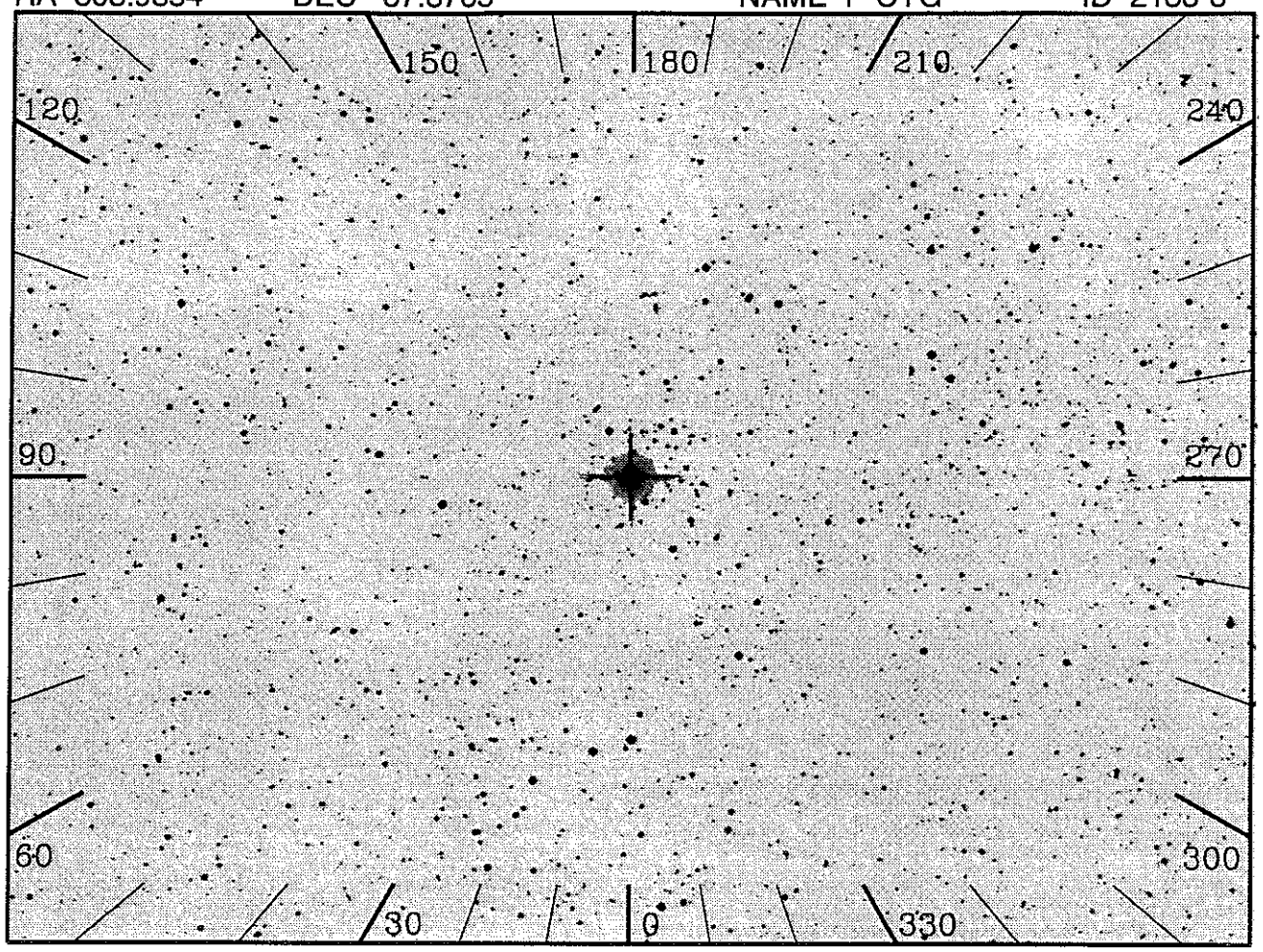
OBJECT: 2133 P-CYG
KEYWORDS: P-Cyg star
COMMENTS:



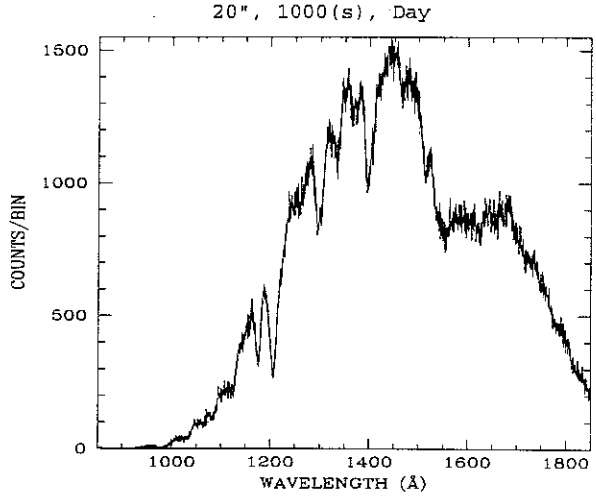
ID: 2133-2 W=Prime SciPgm= W31
Names: P-CYG HD193237
Info: B1Iape V= 4.8 Wupmag=4.34
% Pol: 0.60 (Astro-1)
Pos Ang: 36.0 (Astro-1)
Mechanism: Electron scattering in plumes?
Comments:
Astro-1 follow-up. Rapid time var. in both POL and PA. Pol may vary by as much as 0.5%. Olivia's favorite star.



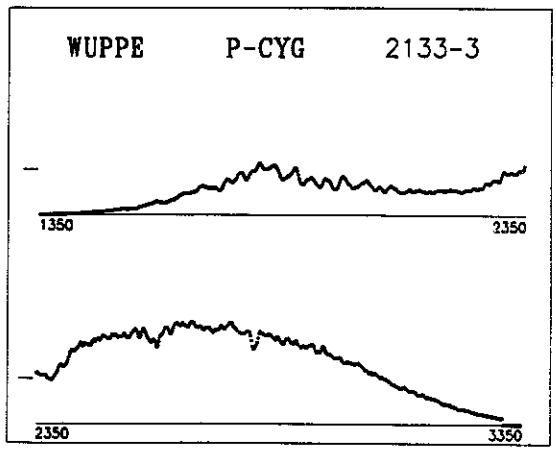
RA 303.9854 DEC 37.8765 NAME P-CYG ID 2133-3



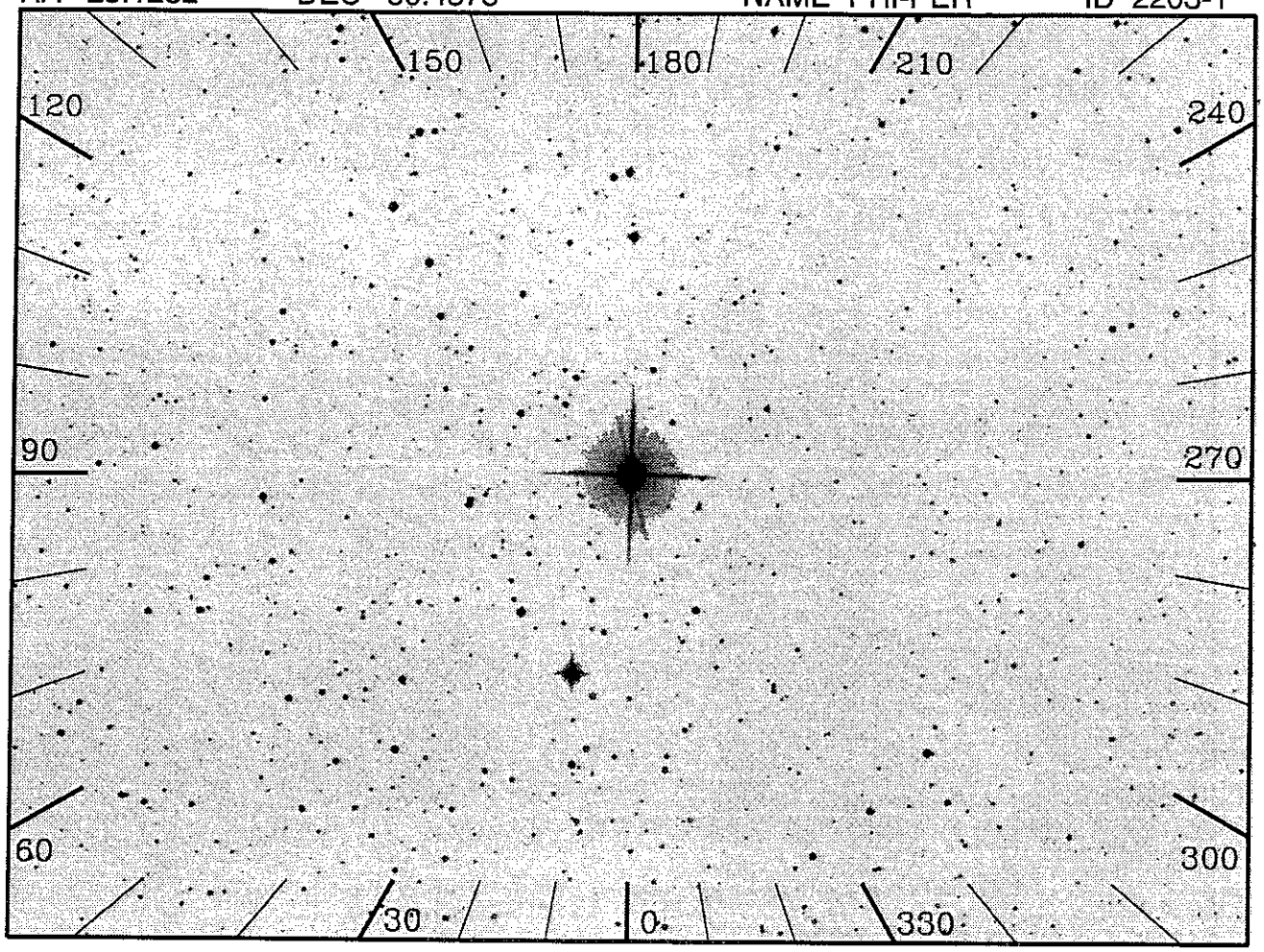
OBJECT: 2133 P-CYG
KEYWORDS: P-Cyg star
COMMENTS:



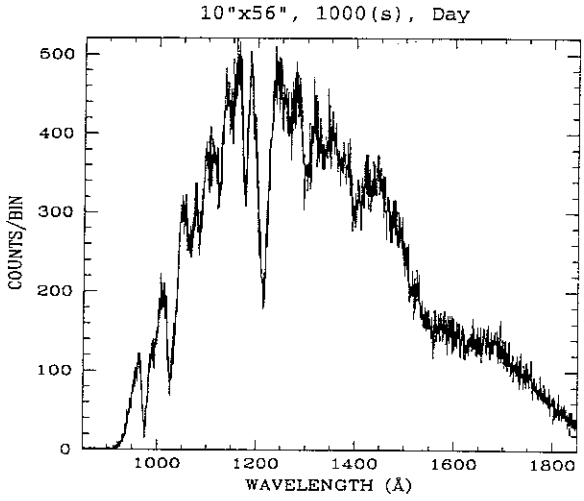
ID: 2133-3 W=Prime SciPgm= W31
Names: P-CYG HD193237
Info: B1Iape V= 4.8 Wupmag=4.34
% Pol: 0.60 (Astro-1)
Pos Ang: 36.0 (Astro-1)
Mechanism: Electron scattering in plumes?
Comments:
Astro-1 follow-up. Rapid time var. in both POL and PA. Pol may vary by as much as 0.5%. Olivia's favorite star.



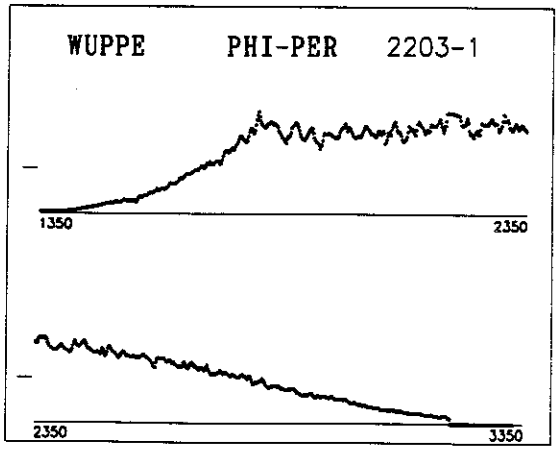
RA 25.1282 DEC 50.4378 NAME PHI-PER ID 2203-1



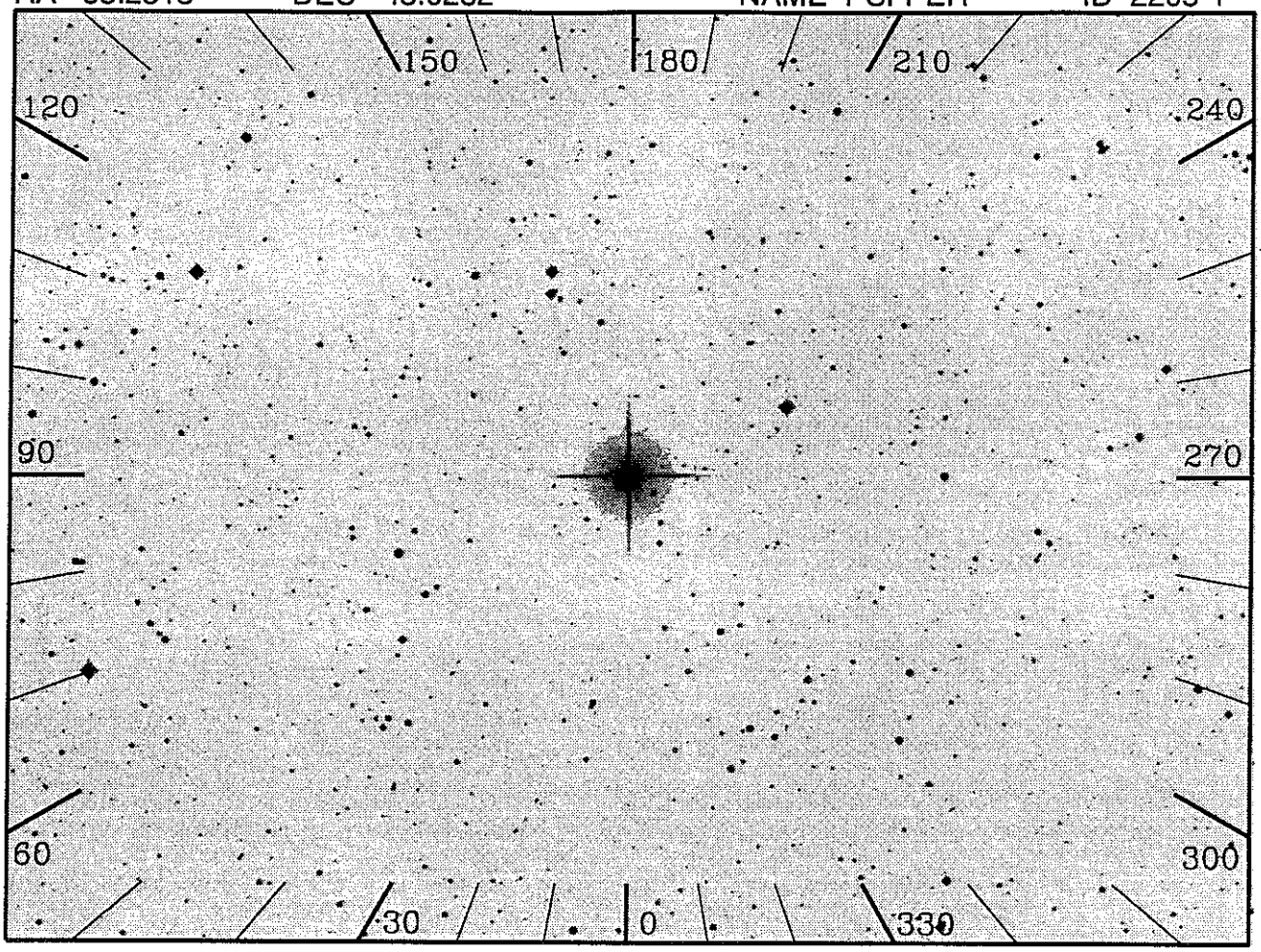
OBJECT: PHI-PER
KEYWORDS: Spectroscopic binary
COMMENTS:
V=4.045 B-V=-0.092 E(B-V)=0.08 spectype=B2IVep
Flux_1565=1.37e-9 Initial_expected_rate = 425 cts/sec
Deemed too dangerous and too early in mission to use 1 sq cm observation. If observed, there will be 3 offsets along the +Y axis of slit 6.
Lots of high ionization absorption lines. High temp secondary star is unseen, may be He core of previously massive star. Reddening is highly unusual or secondary is contaminating spectrum.
Primary= 20 Msun, Secondary = 4 Msun, Sep=1.42 A.U.
Period = 126.696 days



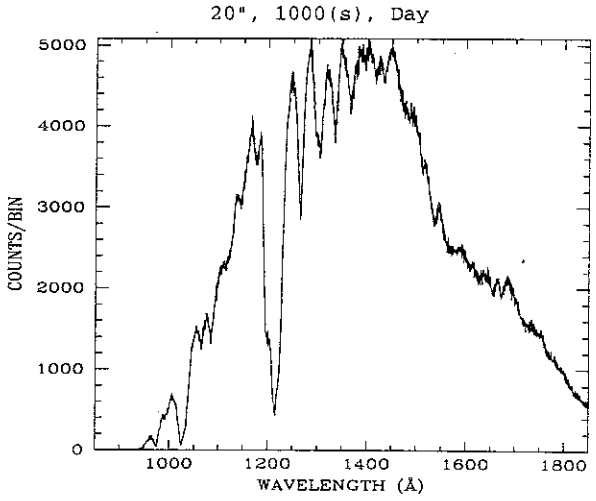
ID: 2203-1 W=Prime SciPgm= W31
Names: PHI-PER HD10516
Info: B1.5V-sh V= 4.2 Wupmag=1.51
% Pol: 1.06
Pos Ang: 33.0
Mechanism: Electron scattering in CS disk
Comments:
Shell star; binary. No evidence of binary period in pol. variations. Vsini=400.
Upper end of diagonal on triangle diagram.
Small variations in optical specpol.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.



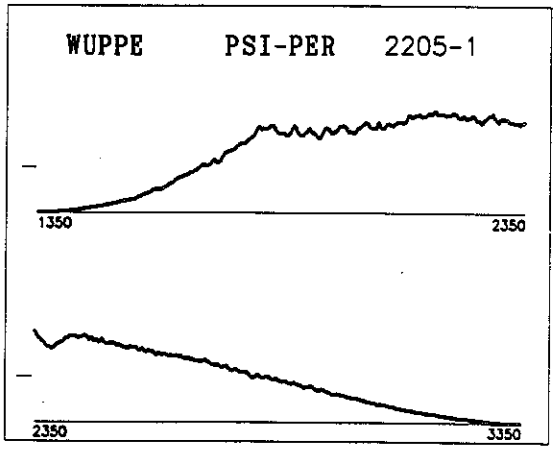
RA 53.2313 DEC 48.0282 NAME PSI-PER ID 2205-1



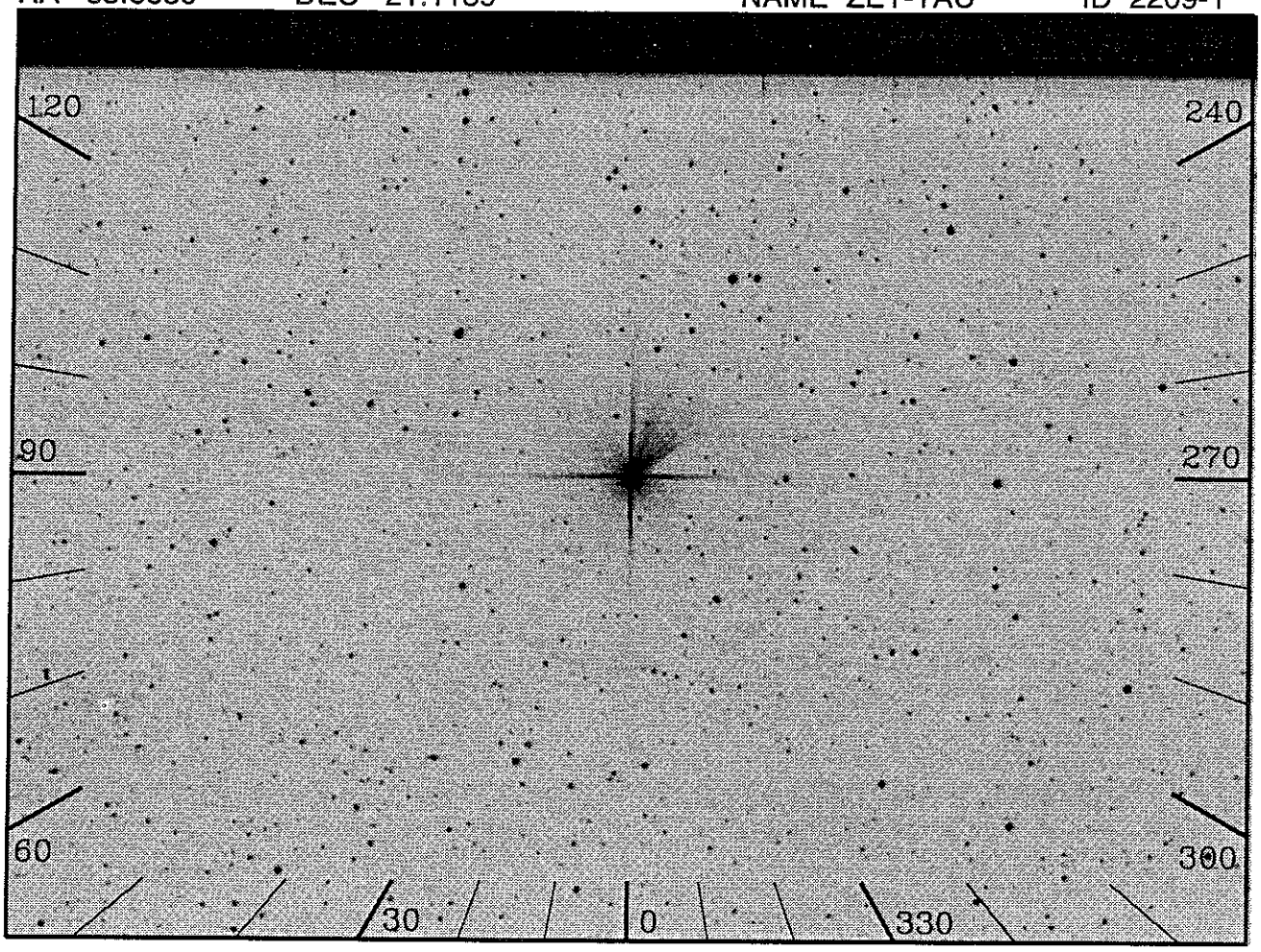
OBJECT: PSI-PER
KEYWORDS: Emission line star
COMMENTS:
V=4.23 B-V=-0.06 E(B-V)=0.1 spectype=B5Ve
Flux_1565 = 4.598e-10
Initial_expected_rate = 4487 cts/sec
Calibration: 300 sec dithers to single scan mode.



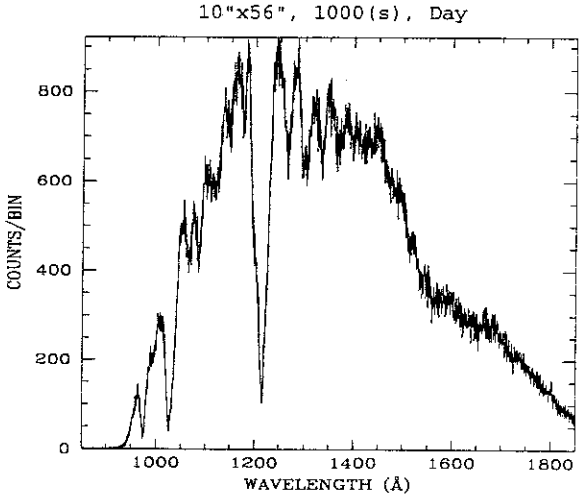
ID: 2205-1 W=Prime SciPgm= W31
Names: PSI-PER HD22192
Info: B5IIIe-sh V= 4.2 Wupmag=2.75
% Pol: 0.55
Pos Ang: 45.0
Mechanism: Electron scattering in CS disk
Comments:
Shell star; binary. No evidence of binary period in pol variations. Vsini=280. Upper 3rd of diagonal in triangle diagram. Small variations in optical specpol. Astro-1 data used for sim. spectrum is P-Car (2217). NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPEC.



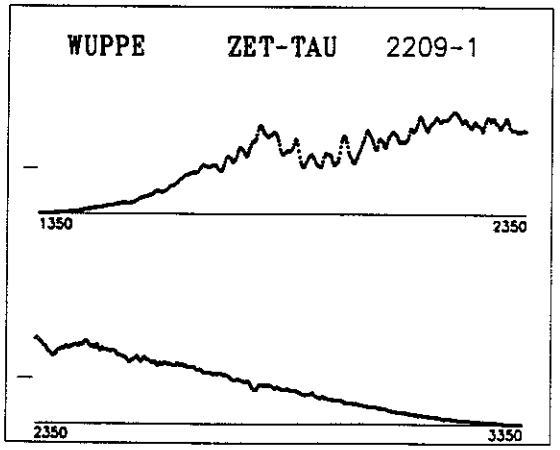
RA 83.6636 DEC 21.1139 NAME ZET-TAU ID 2209-1



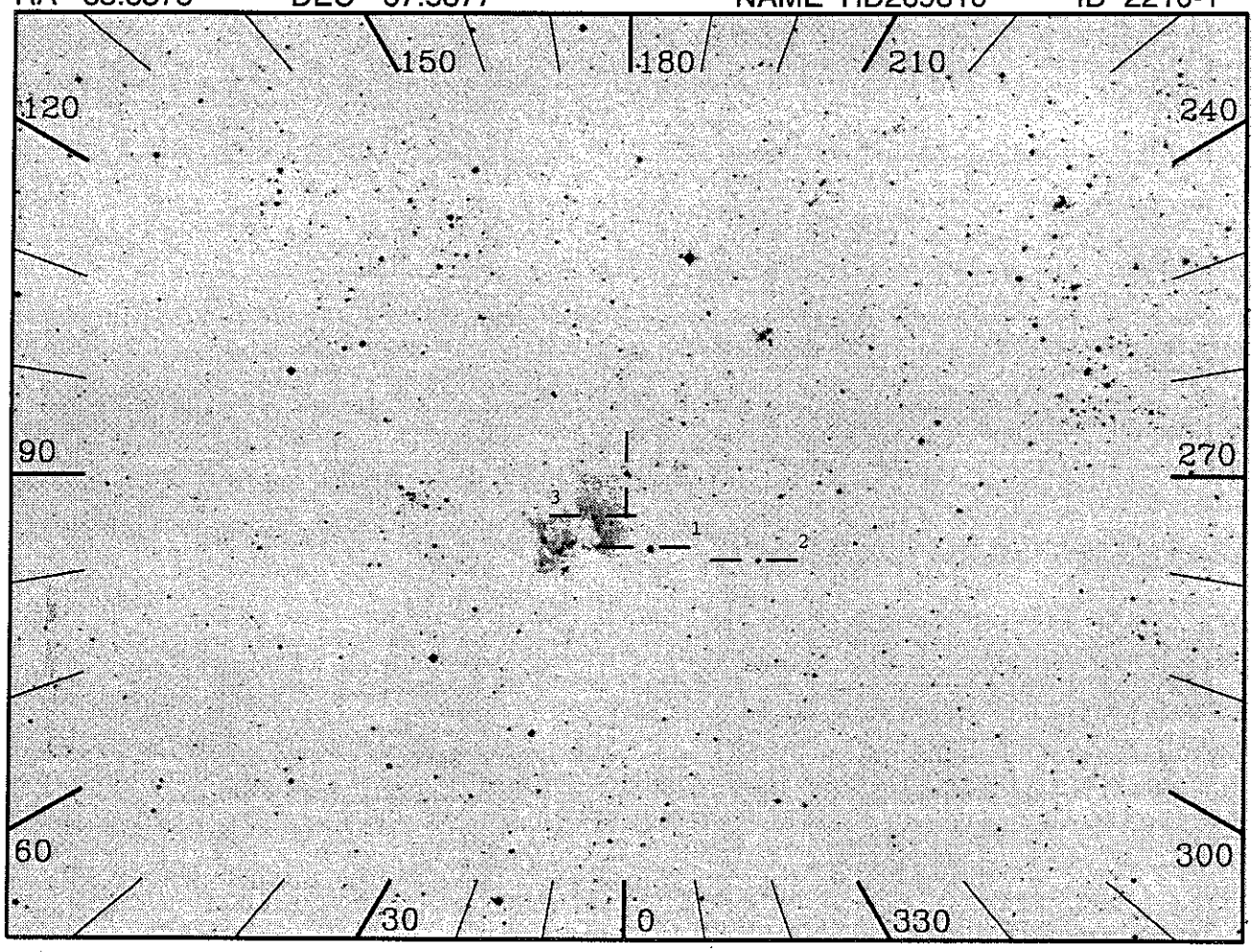
OBJECT: ZET-TAU
KEYWORDS: Emission line star
COMMENTS:
V=3.0 B-V=-0.19 E(B-V)=0.01 spectype=B4IIIpe
Flux_1565 = 2.67e-9
Initial_expected_rate = 780 cts/sec
1 sq cm: 3 offsets along +Y axis of slit



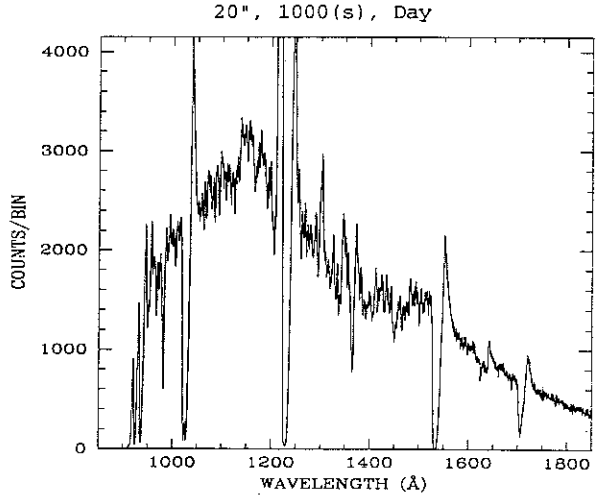
ID: 2209-1 W=Prime SciPgm= W31
Names: ZET-TAU HD37202
Info: B4IVe-sh V= 3.0 Wupmag=0.58
% Pol: 0.50 (Astro-1)
Pos Ang: 34.0 (Astro-1)
Mechanism: Electron scattering in CS disk
Comments:
Astro-1 follow-up. Test for variation in Fe line depol, esp. PA rotation. Good candidate for test of pol changes across CIV wind line, but req's very good S/N obs. Vsini=220. Shell. Upper 1/4 on diagonal of triangle diagram. NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



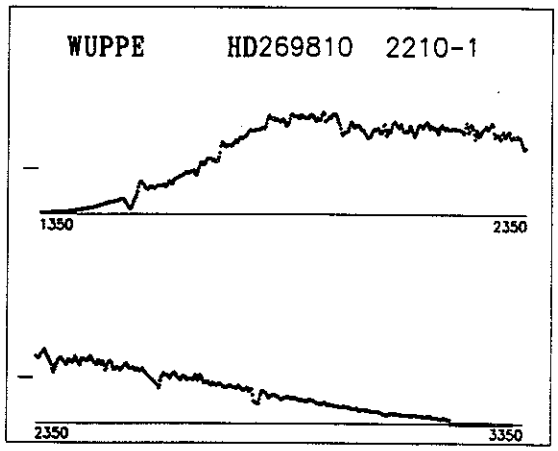
RA 83.8375 DEC -67.5877 NAME HD269810 ID 2210-1



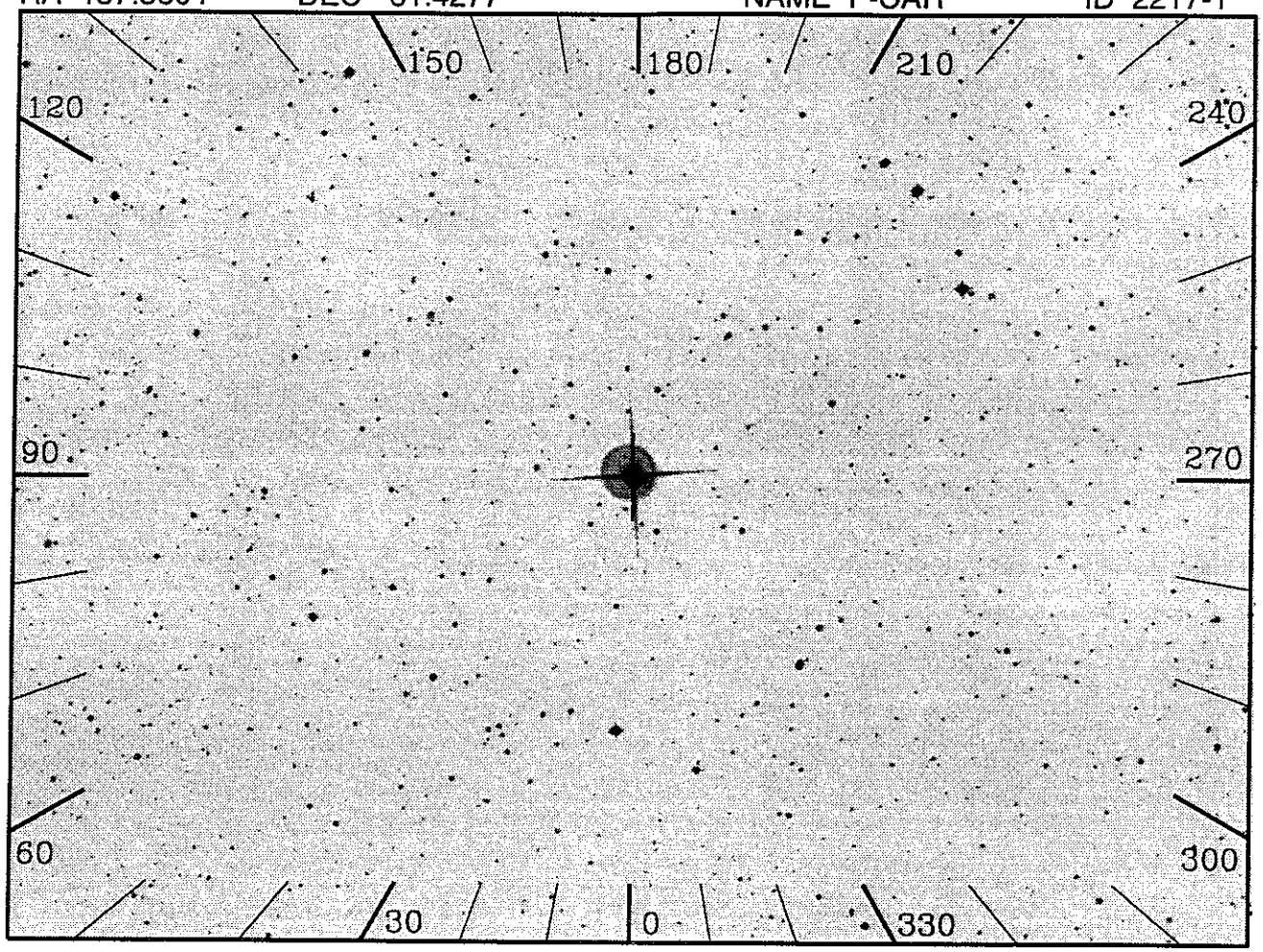
OBJECT: 2210 HD269810
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in the LMC. Other nearby stars are observed in other sequences.



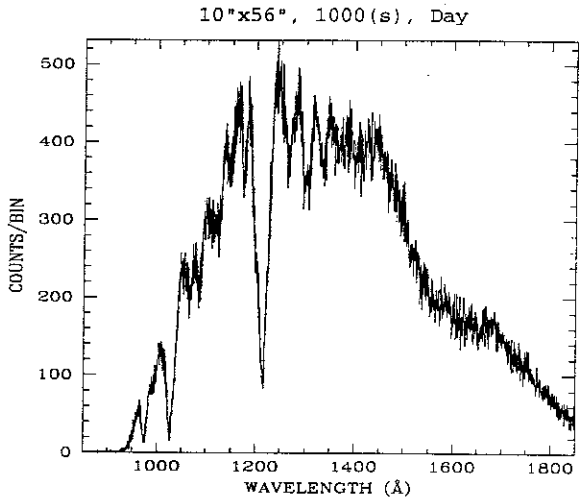
ID: 2210-1 H=Prime SciPgm= G15
Names: HD269810 SK-67211
Info: O3III V=12.26 Wupmag=8.92
% Pol:
Pos Ang:
Mechanism:
Comments:
Potential good OB case.



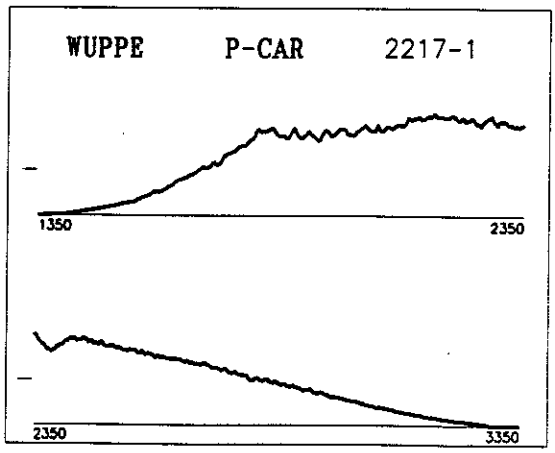
RA 157.5604 DEC -61.4277 NAME P-CAR ID 2217-1



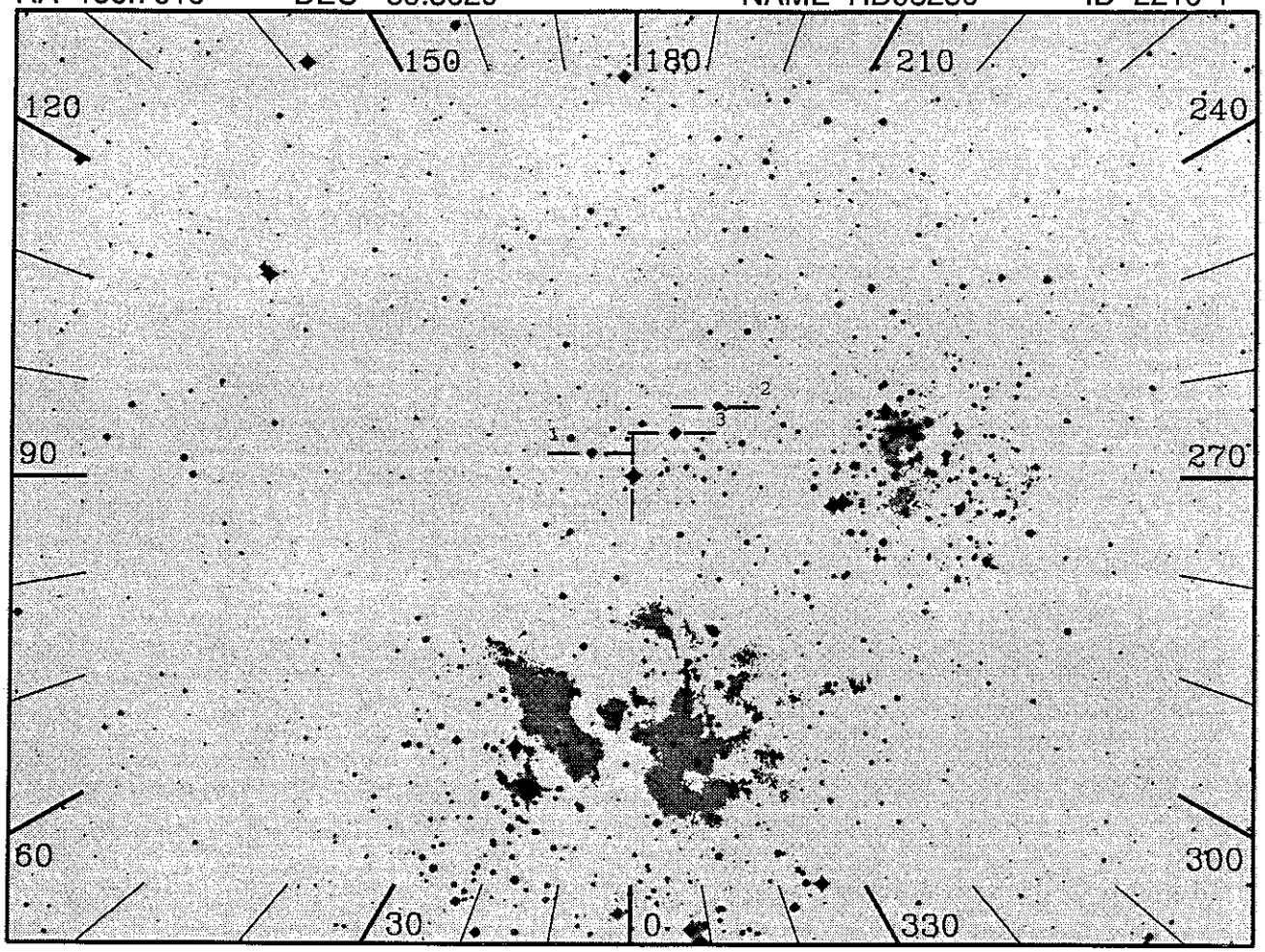
OBJECT: P-CAR
KEYWORDS: Emission line star
COMMENTS:
V=3.32 B-V=-0.09 E(B-V)=0.09 spectype=B4Vne
Flux_1565 = 1.654e-9
Initial_expected_rate = 427 cts/sec
1 sq cm: 3 offsets along +Y axis of slit
Calibration: 100 sec dithers to single scan mode



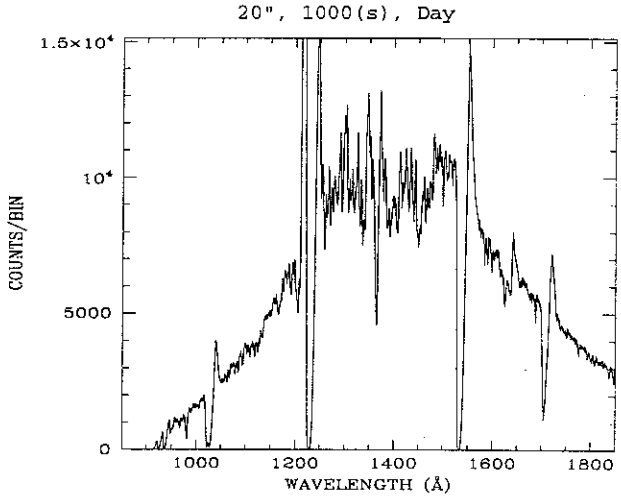
ID: 2217-1 W=Prime SciPgm= W31
Names: P-CAR HD91465
Info: B4Vne V= 3.5 Wupmag=1.23
% Pol: 0.40 (Astro-1)
Pos Ang: 72.0 (Astro-1)
Mechanism: Electron scattering in CS disk
Comments:
Astro-1 follow-up. FUSP test case. Mid-diagonal on triangle diagram. Fe line depol expected. Long wavelength UV unknown. Variable in pol. Shell? Vsini=250. Moderate CIV abs. Moderate optical pol. NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



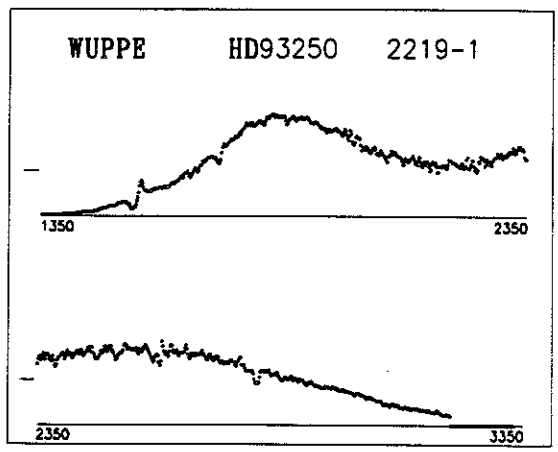
RA 160.7016 DEC -59.3020 NAME HD93250 ID 2219-1



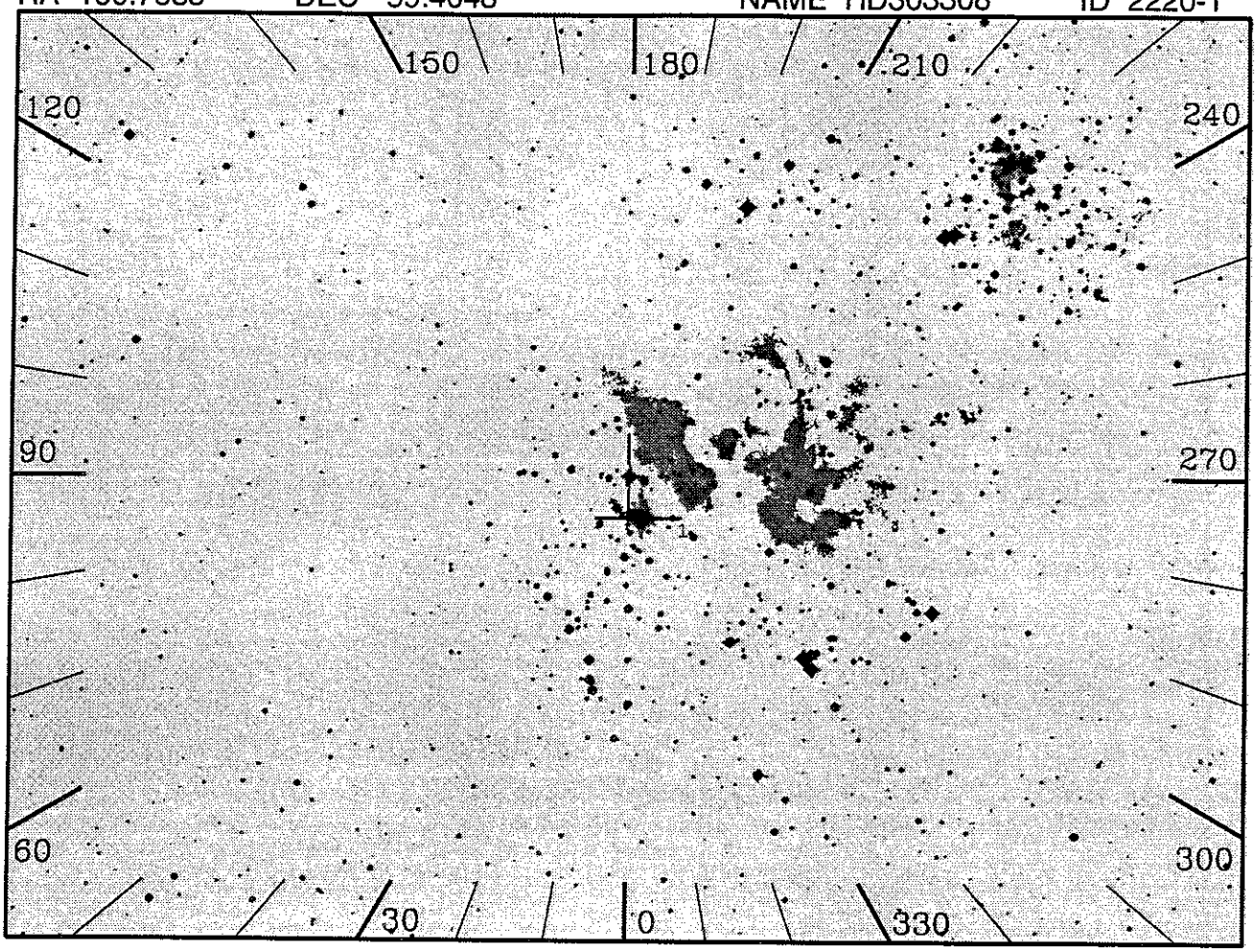
OBJECT: 2219 HD93250
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in Eta Carina region. Simulation does not include strong molecular absorption lines expected below Lyman alpha. Other nearby stars are observed in other sequences.



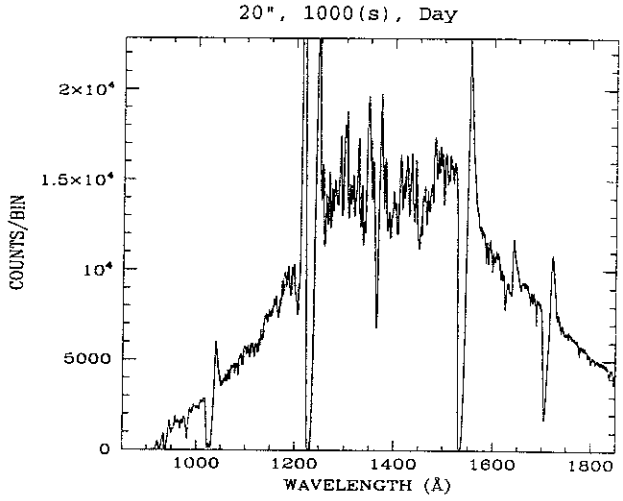
ID: 2219-1 H=Prime SciPgm= G15
Names: HD93250
Info: O3V V= 7.37 Wupmag=5.69
% Pol:
Pos Ang:
Mechanism:
Comments:
Potential good OB supergiant case.



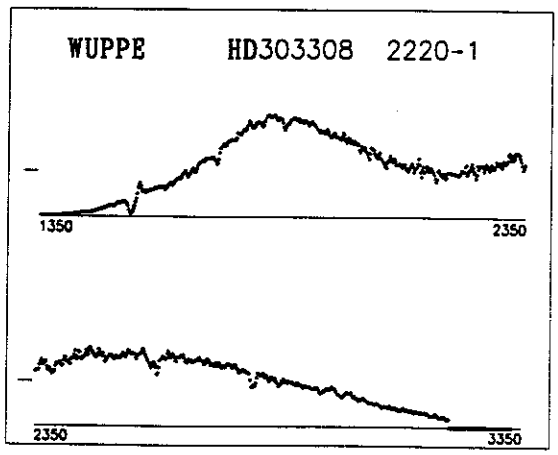
RA 160.7885 DEC -59.4048 NAME HD303308 ID 2220-1



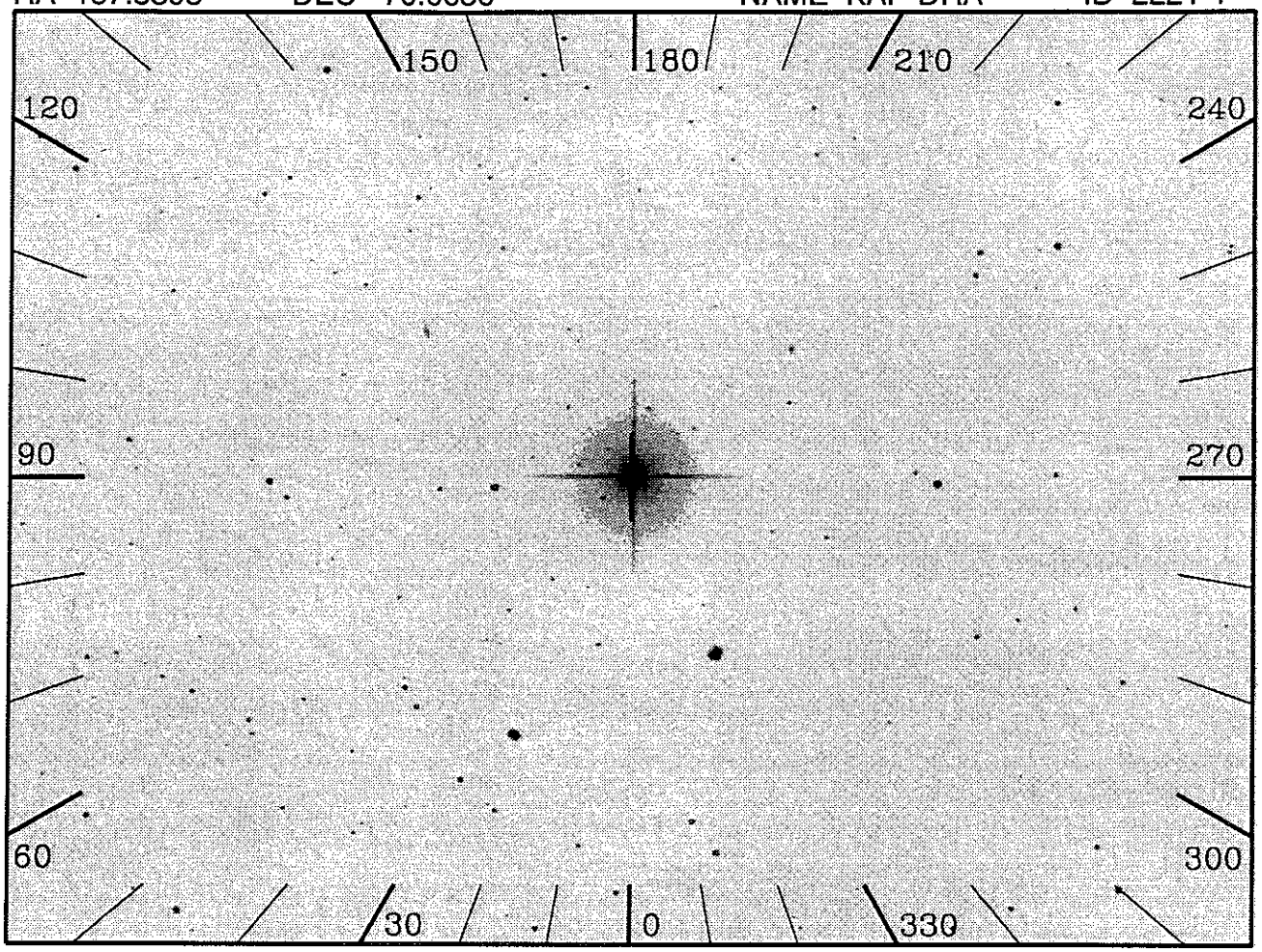
OBJECT: 2220 HD303308
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in Eta Carina region. Simulation does not include strong molecular absorption lines expected below Lyman alpha. Other nearby stars are observed in other sequences.



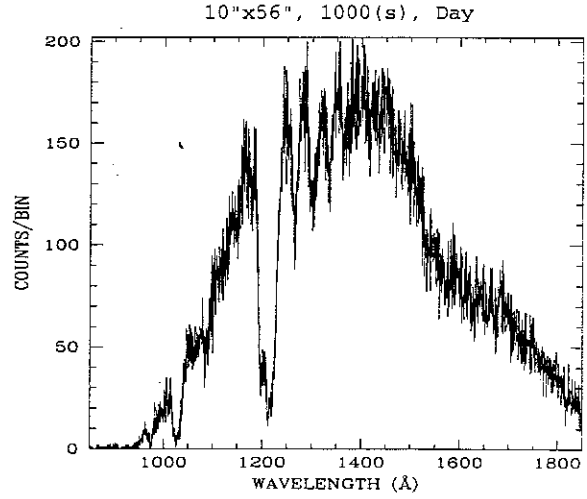
ID: 2220-1 H=Prime SciPgm= G15
Names: HD303308
Info: O3V V= 8.17 Wupmag=6.37
% Pol:
Pos Ang:
Mechanism:
Comments:
Potential good OB supergiant case.



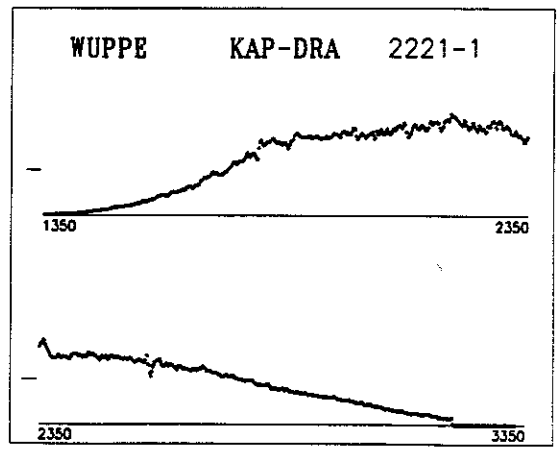
RA 187.8398 DEC 70.0636 NAME KAP-DRA ID 2221-1



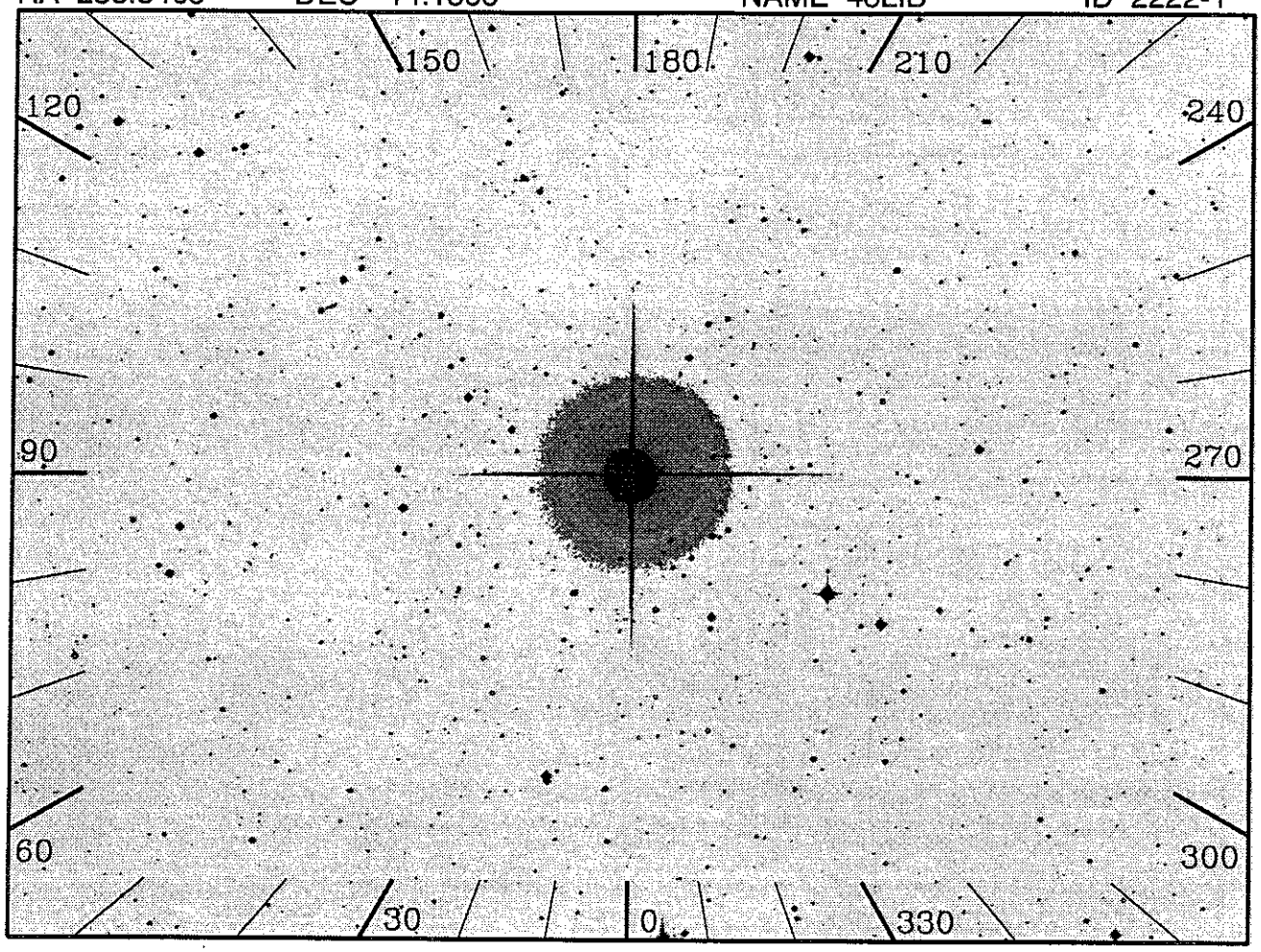
OBJECT: KAP-DRA
KEYWORDS: Emission line star
COMMENTS:
V=3.87 B-V=-0.13 E(B-V)=0.03 spectype=B5IV
Flux_1565 = 7.285e-10
Initial_expected_rate = 156 cts/sec
1 sq cm: 3 offsets along +Y axis of slit
Calibration: 100 sec dithers to single scan mode



ID: 2221-1 W=Prime SciPgm= W31
Names: KAP-DRA HD109387
Info: B5IIIe V= 3.8 Wupmag=1.87
% Pol: 0.37
Pos Ang: 30.0
Mechanism: Electron scattering in CS disk
Comments:
Shell? Vsini=200. Nearby, d=22 pc. Mid-range of triangle diagram - not an extreme case. Small variation in optical pol.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.

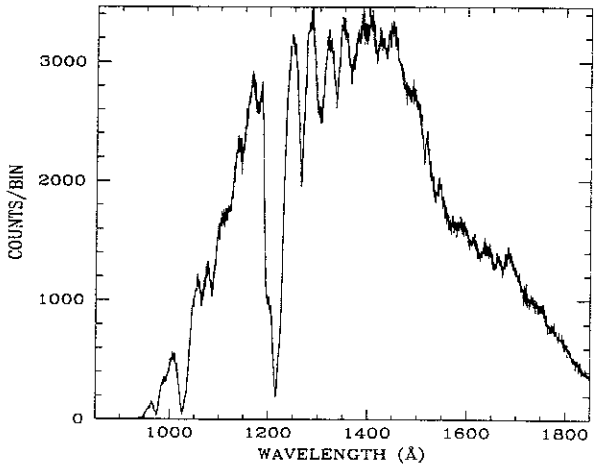


RA 238.8463 DEC -14.1366 NAME 48LIB ID 2222-1

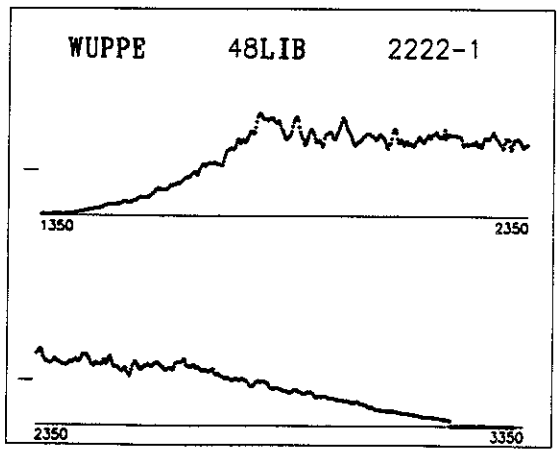


OBJECT: 48LIB
KEYWORDS: Emission line star
COMMENTS:
V=4.88 B-V=-0.10 E(B-V)=0.06 spectype=B5IIIpe
Flux_1430 = 3.1e-10
Initial_expected_rate = 3060 cts/sec
Galactic coordinates: 356.39 +28.63

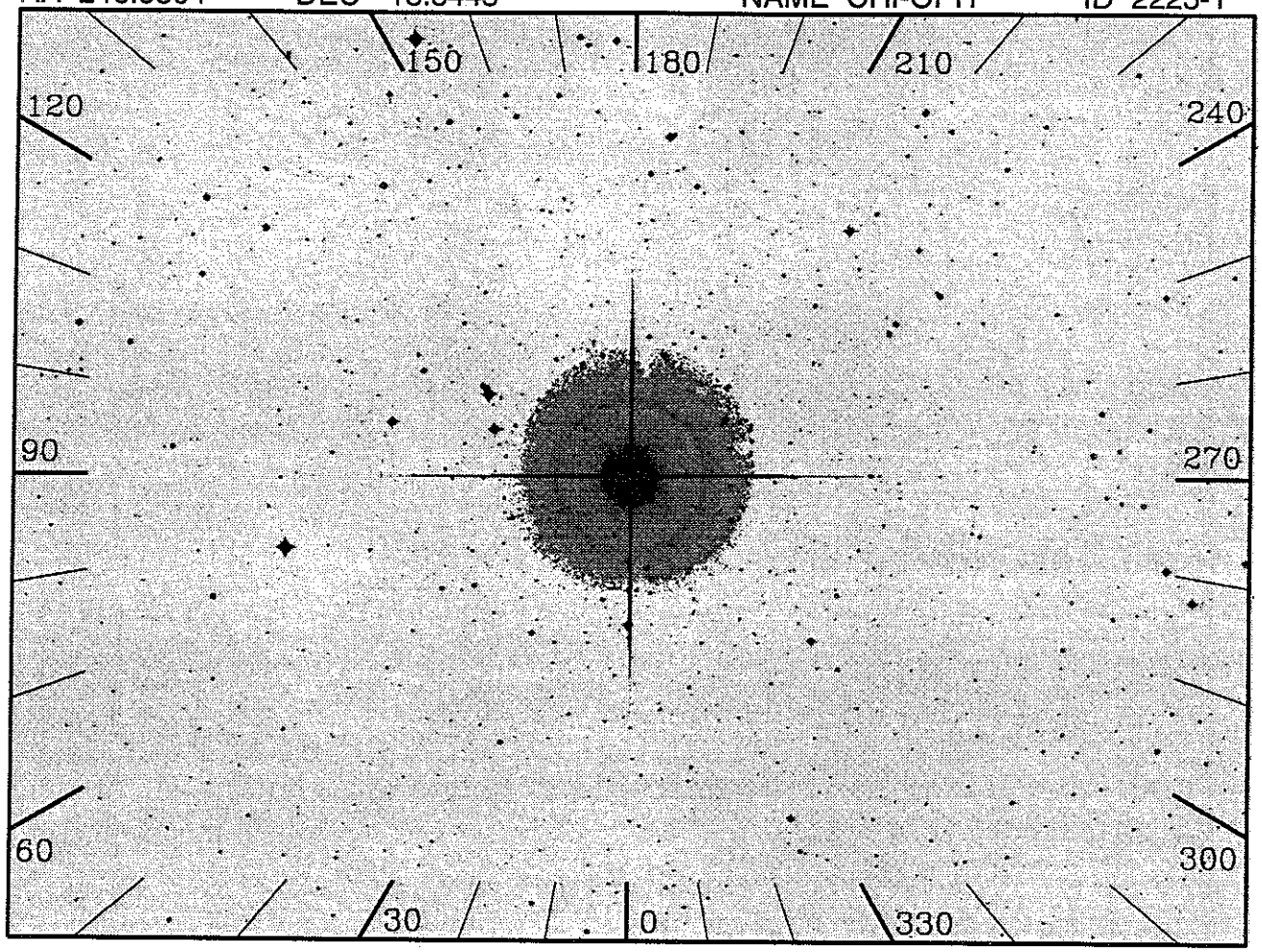
20", 1000(s), Night



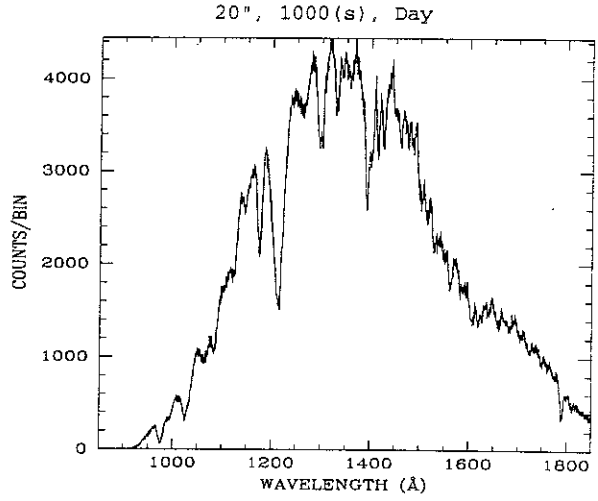
ID: 2222-1 W=Prime SciPgm= W31
Names: 48LIB HD142983
Info: B3IVe-sh V= 4.8 Wupmag=2.93
% Pol: 0.80
Pos Ang: 118.0
Mechanism: Electron scattering in CS disk
Comments:
Shell. Extreme rotation case. Vsini=400. Best test case for effects of gravitational darkening. Also test for extreme rot. effect on Fe line depol. Varying optical pol. Mid-range on diagonal on triangle diagram. NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



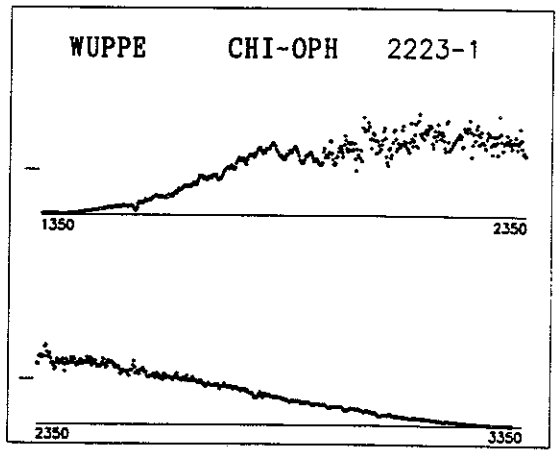
RA 246.0304 DEC -18.3445 NAME CHI-OPH ID 2223-1



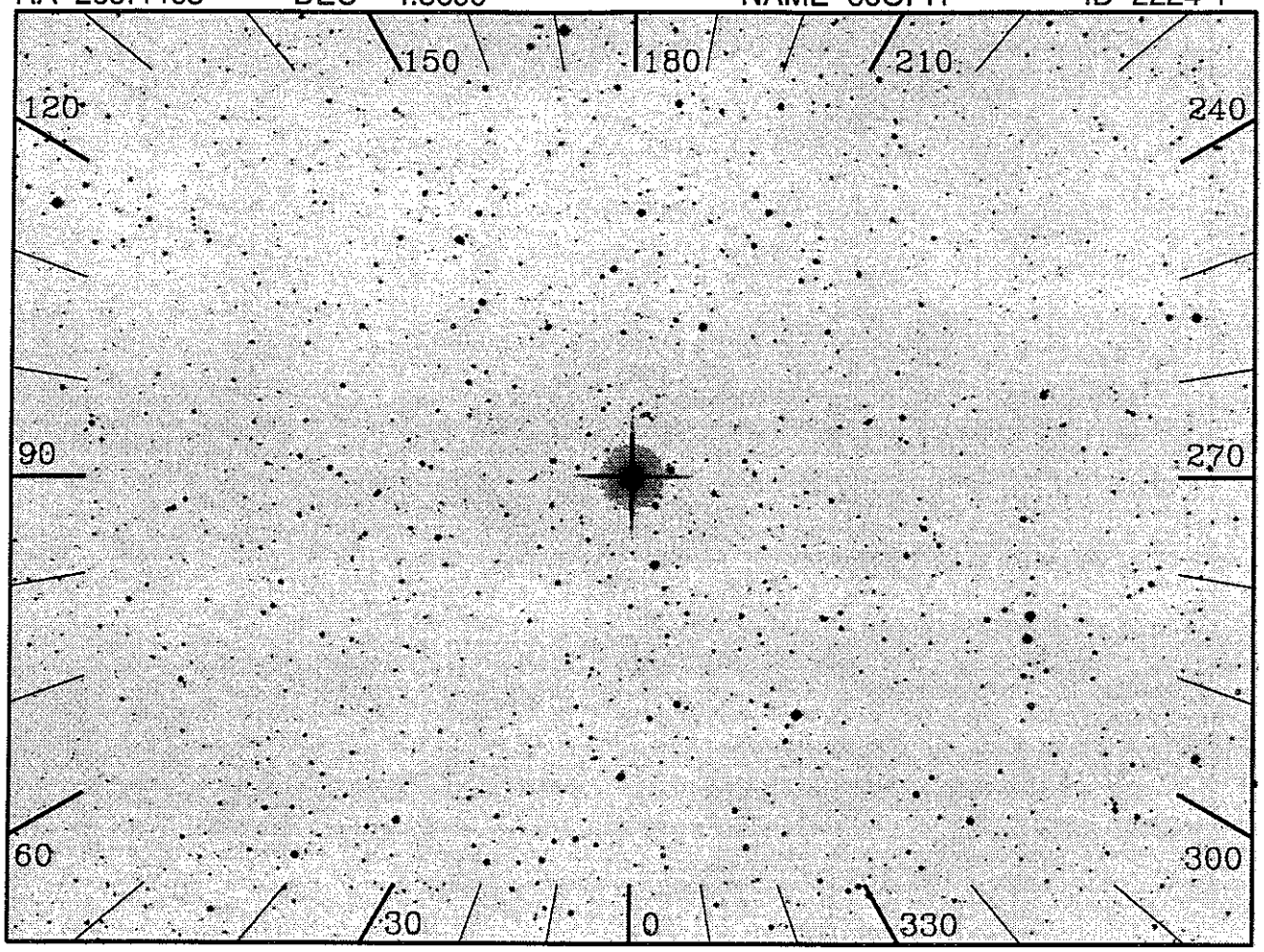
OBJECT: CHI-OPH
KEYWORDS: Variable irregular star
COMMENTS:
V=4.43 B-V=0.28 E(B-V)=0.52 spectype=B2V
Variable: 4.18 < V < 5.0
Flux_1565 = 3.18e-10
Initial_expected_rate = 3663 cts/sec
Calibration: 300 sec dithers to single scan mode
Reddening is unusual: used published extinction curve
with Kurucz and spliced to IUE flux for model.



ID: 2223-1 W=Prime SciPgm= W31
Names: CHI-OPH HD148184
Info: B1.5Ve V= 4.4 Wupmag=3.55
% Pol: 0.48
Pos Ang: 132.0
Mechanism: Electron scattering in CS disk
Comments:
Low inclination angle counterpart to Zet-Tau. Not a shell star. Test case for effects of inclination angle on Fe line depol. Classified as pole-on. Vsini=140. IUE data used for sim. spectrum is FY-CMa (2215). NOTE: DETECTOR IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.

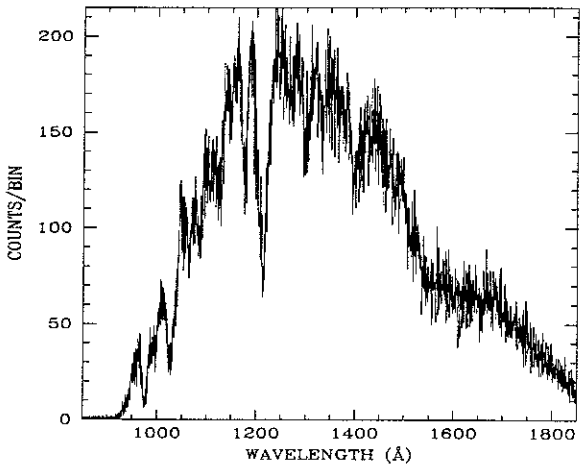


RA 269.4463 DEC 4.3699 NAME 66OPH ID 2224-1

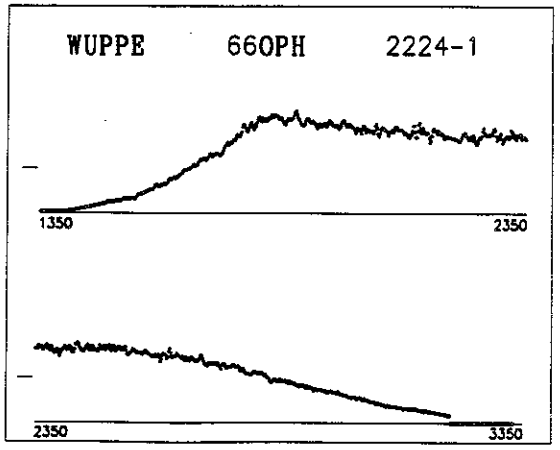


OBJECT: 66OPH
KEYWORDS: Emission line star
COMMENTS:
V=4.56 B-V=-0.05 E(B-V)=0.15 spectype=B1Ve
Flux_1255 = 1.49e-9
Initial_expected_rate =168 cts/sec
1 sq qm: 3 offsets along +Y axis of slit

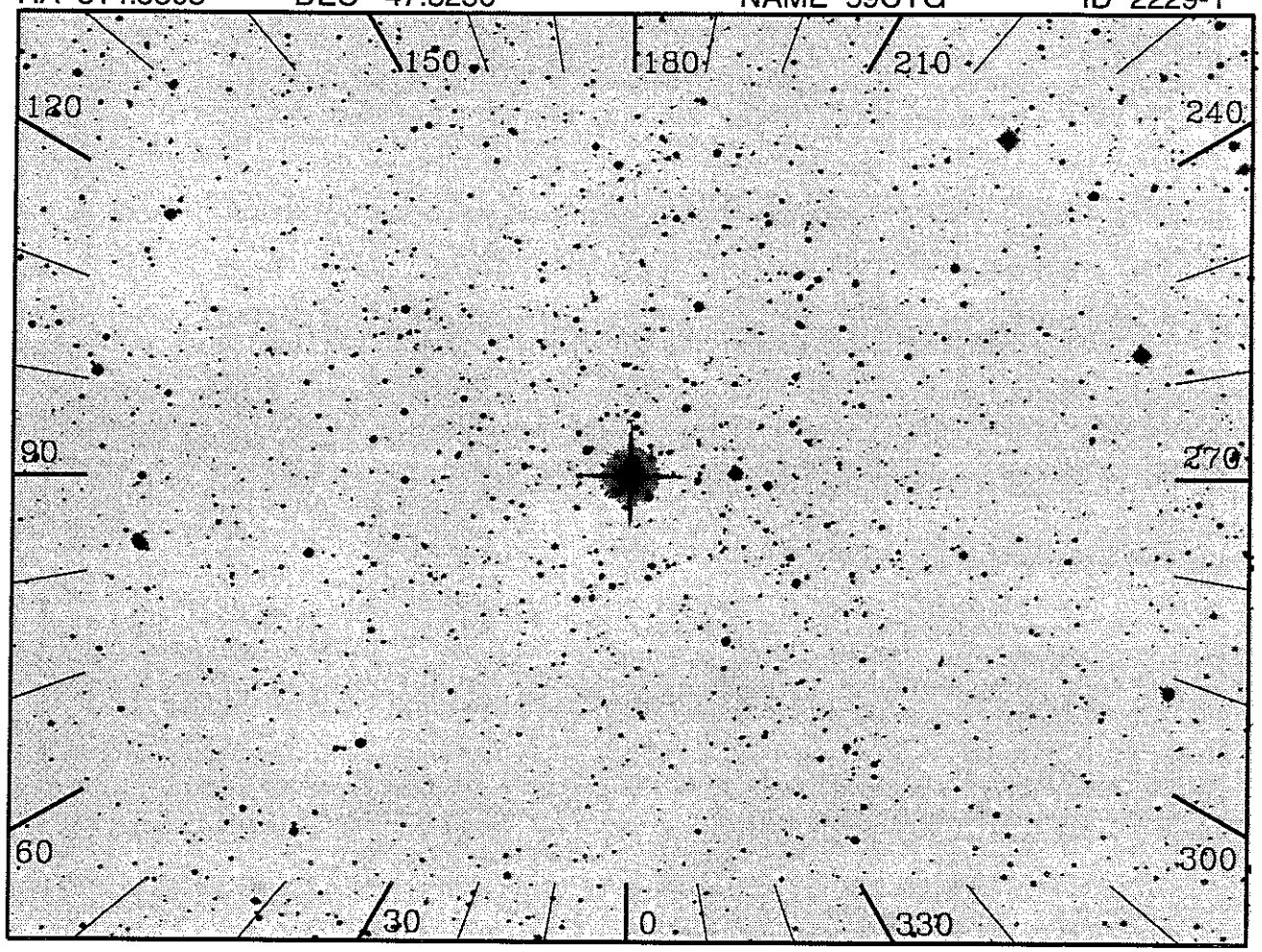
10x56", 1000(s), Night



ID: 2224-1 W=Prime SciPgm= W31
Names: 66OPH HD164284
Info: B2Ve V= 4.7 Wupmag=2.50
% Pol: 0.90
Pos Ang: 90.0
Mechanism: Electron scattering in
circumstellar disk
Comments:
Variable optical polarization. Mid-range polarization. On high-IR excess end of triangle diagram. Vsini=240.
NOTE: SPECTROMETER IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.

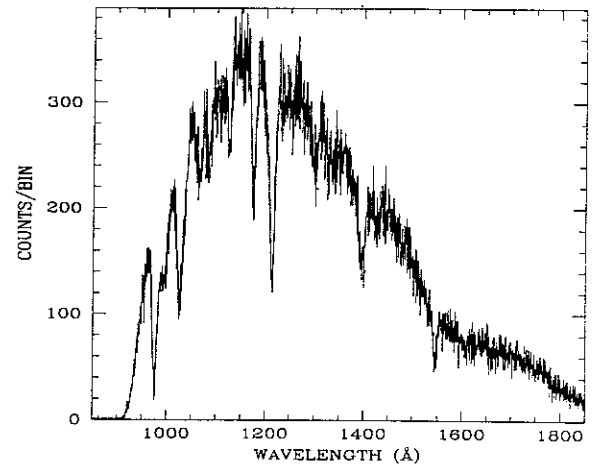


RA 314.5308 DEC 47.3250 NAME 59CYG ID 2229-1

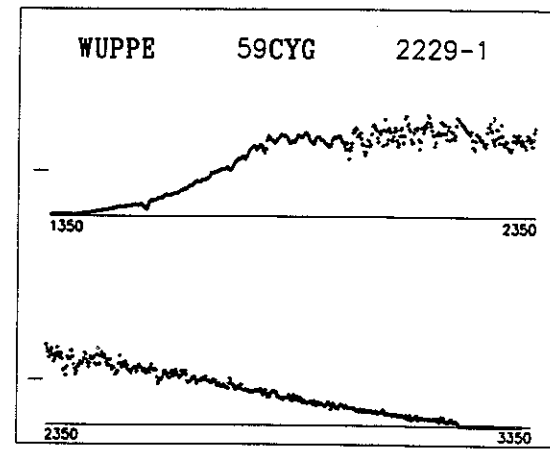


OBJECT: 59CYG
KEYWORDS: Variable irregular star
COMMENTS:
V=4.6 B-V=-0.03 E(B-V)=0.18 spectype=B1 IVe
Variable: 4.49 < V < 4.88 -0.14 < (B-V) < 0.0
Flux_1250 = 1.75e-9
Initial_expected_rate = 294 cts/sec
1 sq cm: 3 offsets along +Y axis
Reddening is unusual: used TD1 extinction curve, with
Kurucz, and spliced to IUE flux for modelling.

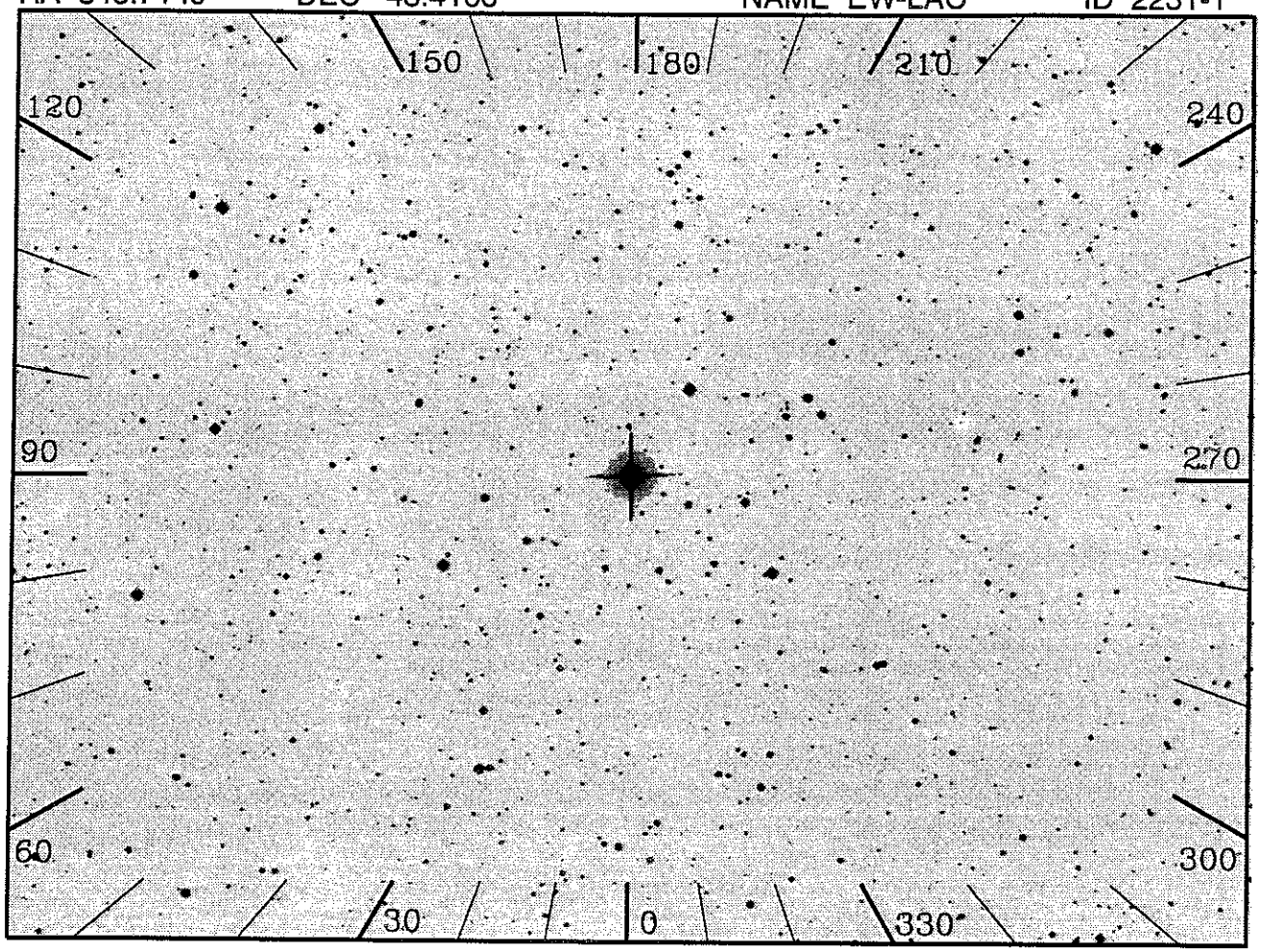
10"x56", 1000(s), Day



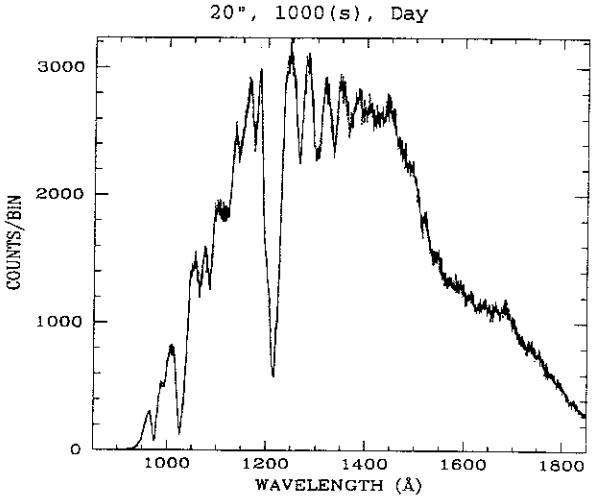
ID: 2229-1 W=Prime SciPgm= W31
Names: 59CYG HD200120
Info: B1Vne V= 4.7 Wupmag=1.94
% Pol: 0.45
Pos Ang: 118.0
Mechanism: Electron scattering in CS disk
Comments:
Strong wind variability. Vsini=260.
Intermediate case.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.



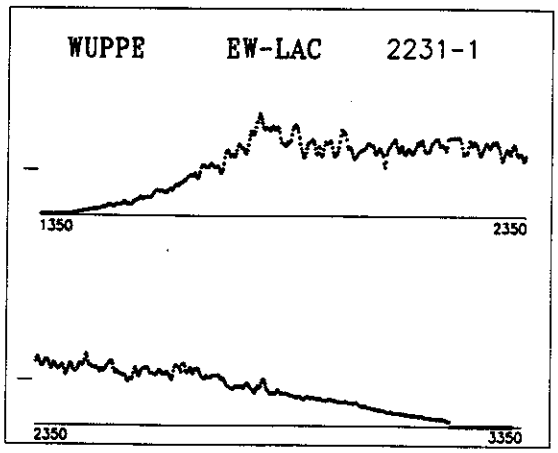
RA 343.7149 DEC 48.4166 NAME EW-LAC ID 2231-1



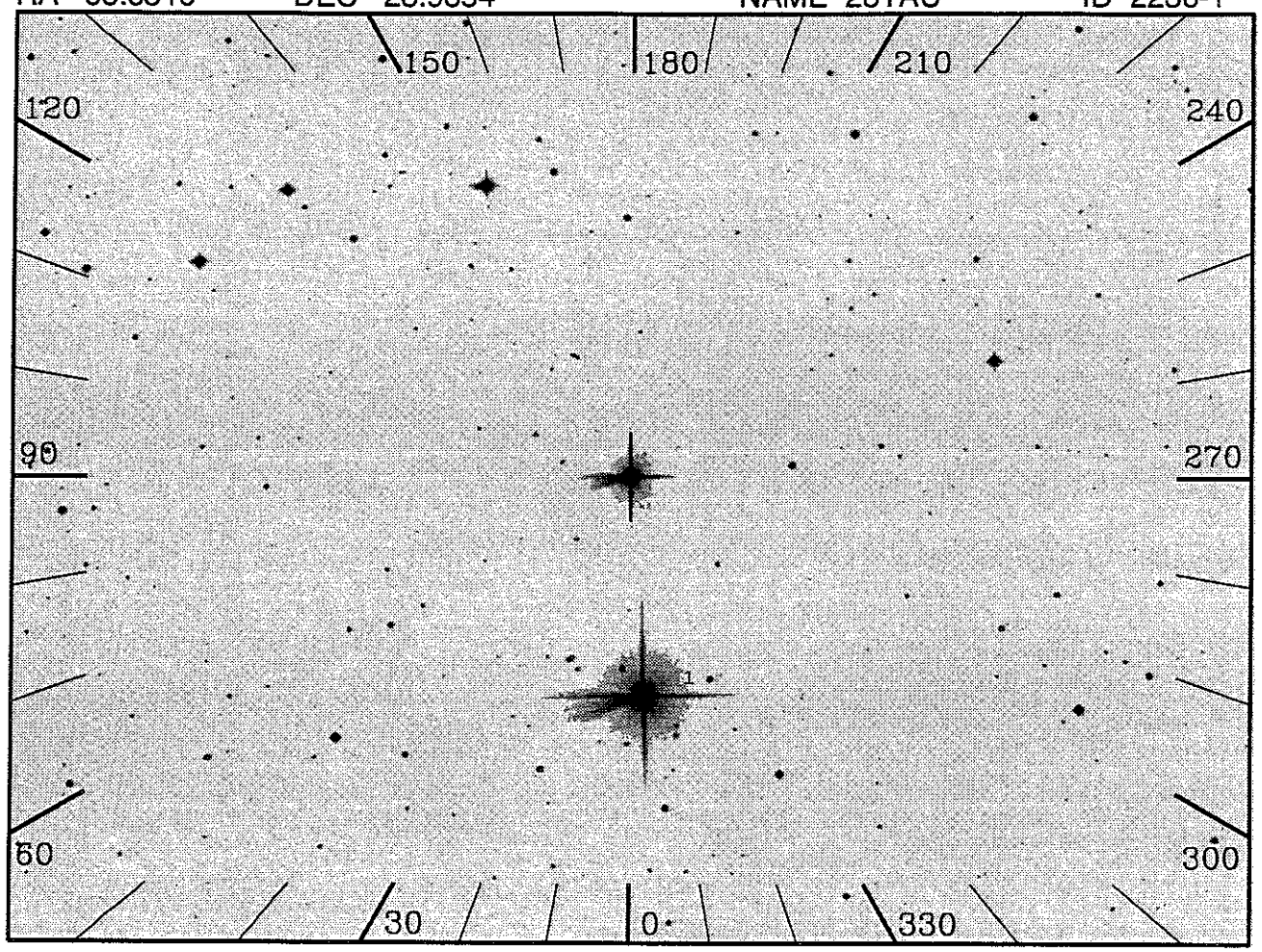
OBJECT: EW-LAC
KEYWORDS: Emission line star
COMMENTS:
V=5.43 B-V=-0.11 E(B-V)=0.07 spectype=B4IIIep
Flux_1565 = 2.385e-10
Initial_expected_rate = 2808 cts/sec



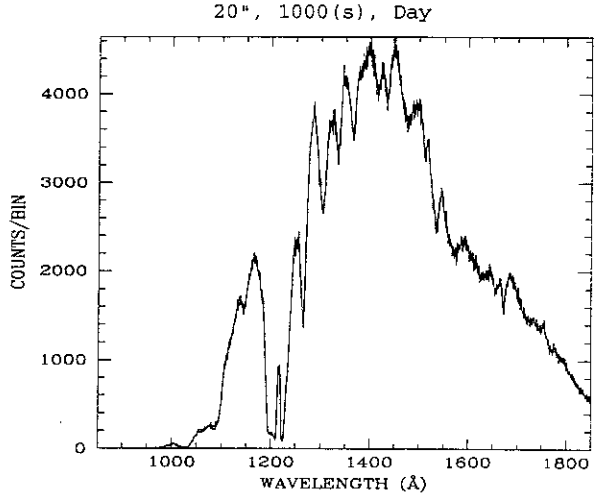
ID: 2231-1 W=Prime SciPgm= W31
Names: EW-LAC HD217050
Info: B3:IV:e-sh V= 5.4 Wupmag=3.26
% Pol: 1.50
Pos Ang: 69.0
Mechanism: Electron scattering in CS disk
Comments:
Extreme shell star. Mid spec range, Vsini=300. Extreme upper limit on diagonal of triangle diagram. Large pol Balmer jump in optical.
NOTE: DETECTOR IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.



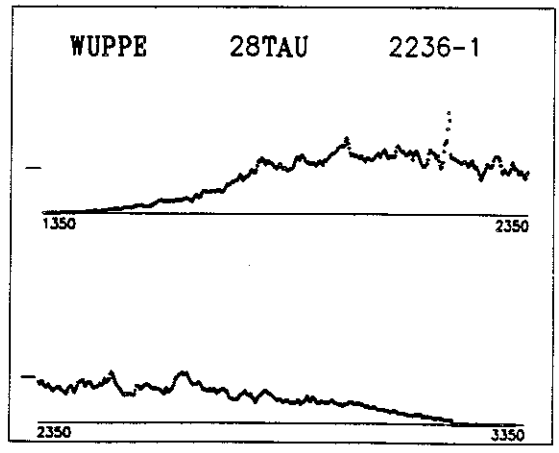
RA 56.5516 DEC 23.9854 NAME 28TAU ID 2236-1



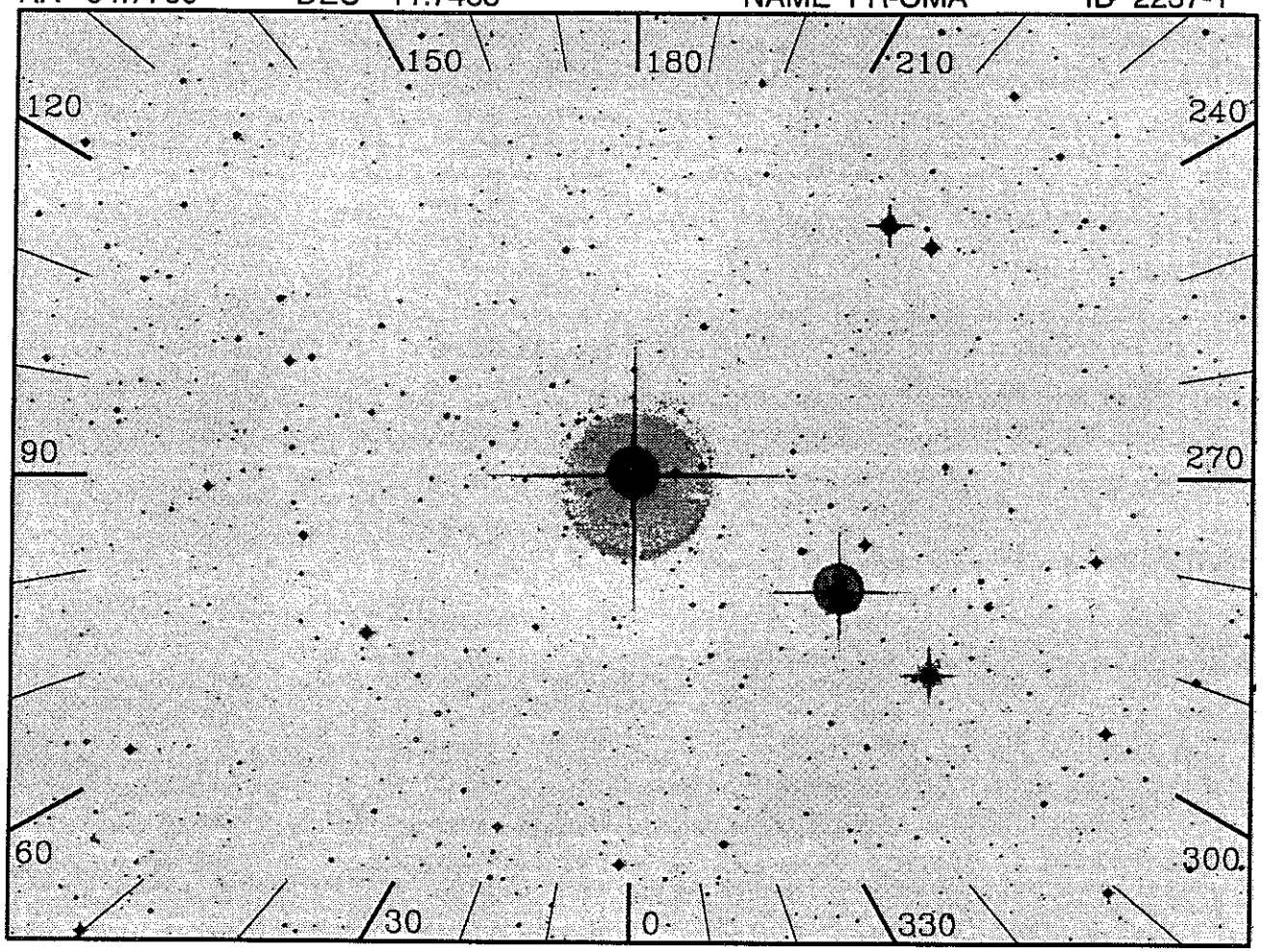
OBJECT: 28TAU
KEYWORDS: Variable Be star
COMMENTS:
V=5.09 B-V=-0.08 E(B-V)=0.04 spectype=B8Ve
4.9 < V < 5.3
Calibrations: Possible SMALAP <-> PT_DR1 relative cal.
Flux_1550 = 1.19e-10
Initial_expected_rate = 1034 cts/sec



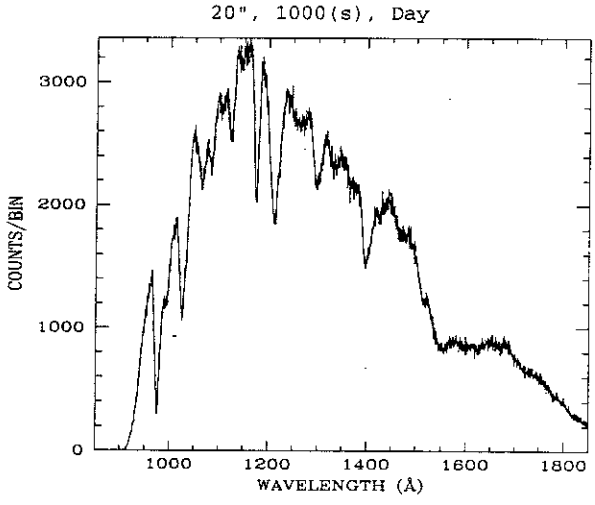
ID: 2236-1 W=Prime SciPgm= W31
Names: 28TAU HD23862
Info: B8Vpe V= 5.1 Wupmag=3.89
% Pol: 0.50 Pos Ang: 84.0
Mechanism: Electron scattering in CS disk; reflection nebula?
Comments:
Pleione. Late spec type, edge-on. Extreme shell star. Vsini=320. Potential gravitational darkening test case. History of strong shell outbursts. Possible contribution to pol by reflection nebula. Low diagonal position on triangle diagram.



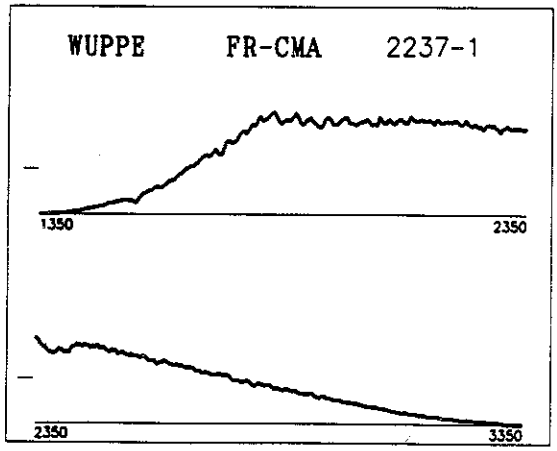
RA 94.7700 DEC -11.7488 NAME FR-CMA ID 2237-1



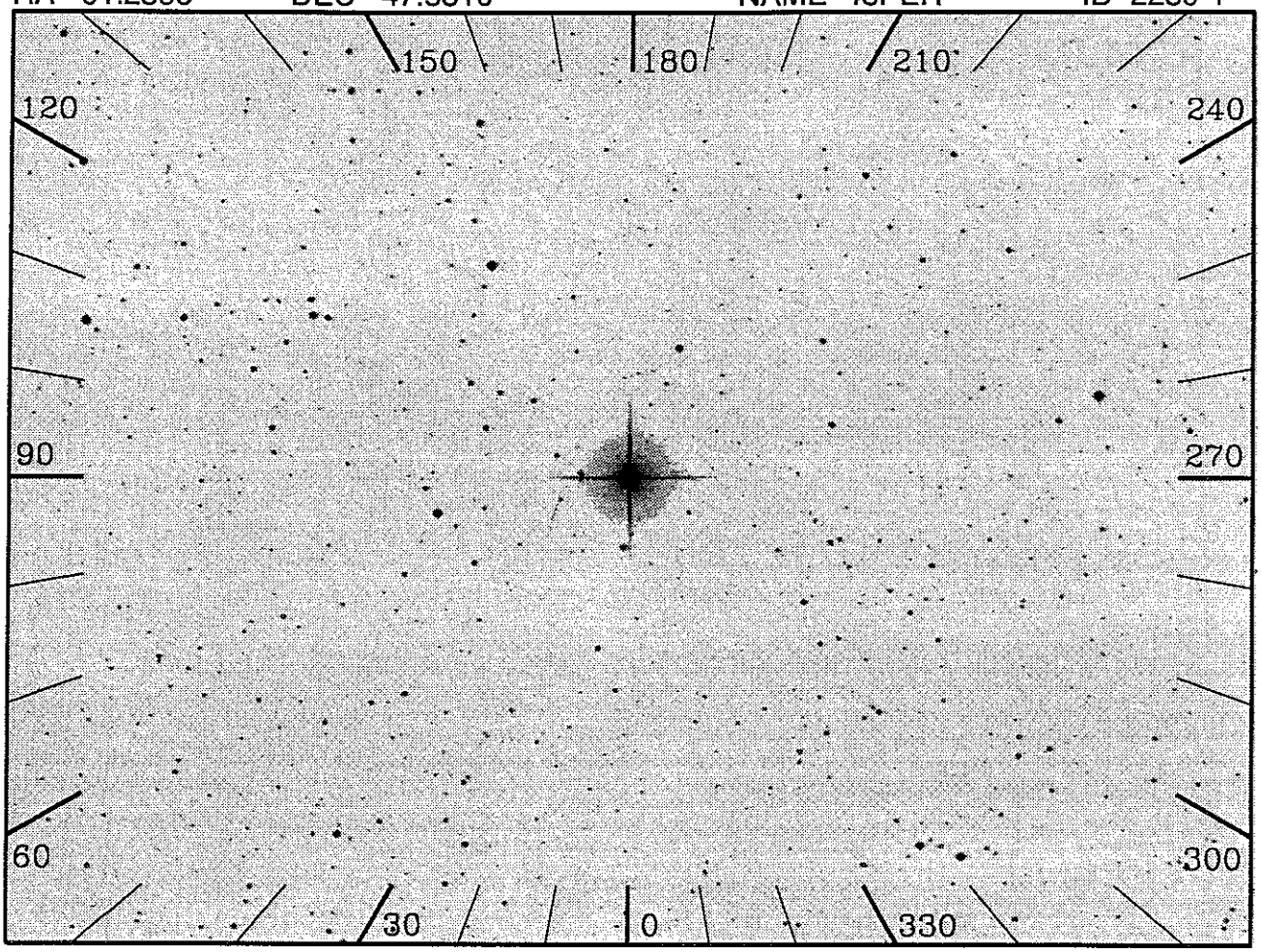
OBJECT: FR-CMA
KEYWORDS: Emission line star
COMMENTS:
V=5.64 B-V=-0.02 E(B-V)=0.21 spectype=B1Ve
Flux_1565 = 1.725e-10
Initial_expected_rate = 2865 cts/sec
Reddening is unusual: Rv is very high
Used published extinction curve for modelling



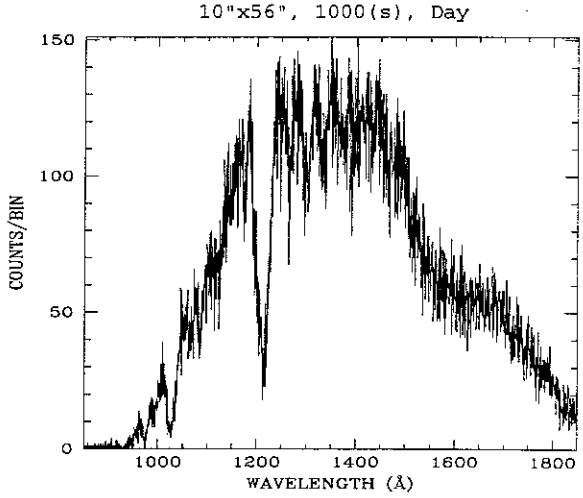
ID: 2237-1 W=Prime SciPgm= W31
Names: FR-CMA HD44458
Info: B1Vpe V= 5.6 Wupmag=3.83
% Pol: 1.20
Pos Ang: 77.0
Mechanism: Electron scattering in CS disk
Comments:
Mid-latitude counterpart to Zet-Tau and Chi-Oph. Large pol Balmer jump in the optical. Vsini=200. Mid-range off-diagonal position in the triangle diagram. Astro-1 data used for simulated spectrum is that of Pi-Aqr (2235).



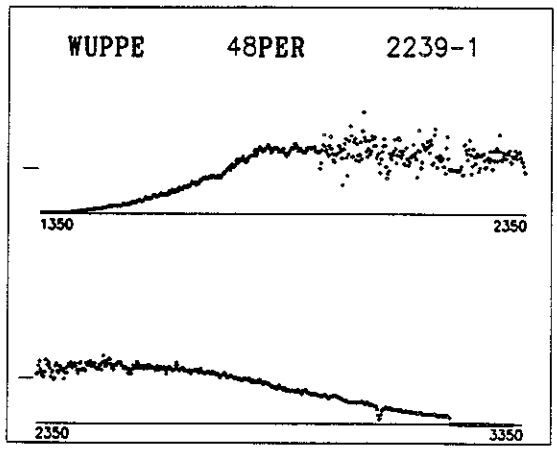
RA 61.2556 DEC 47.5810 NAME 48PER ID 2239-1



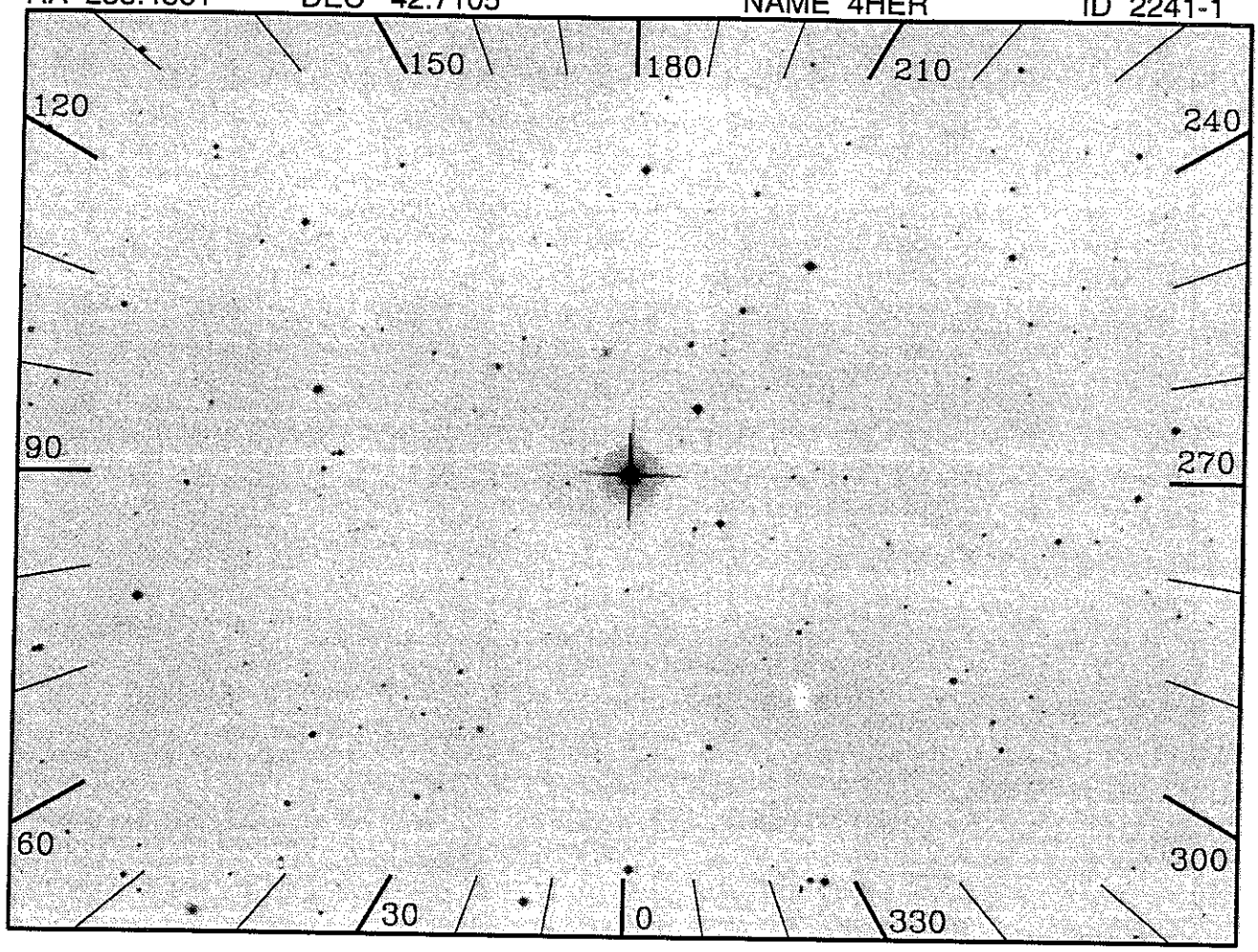
OBJECT: 48PER
KEYWORDS: Emission line star
COMMENTS:
V=4.04 B-V=-0.03 E(B-V)=0.15 spectype=B3Ve
Flux_1565 = 5.854e-10
Initial_expected_rate = 119 cts/sec
Calibration: 300 sec dithers to single scan mode
1 sq cm: 3 offsets along +Y axis of slit



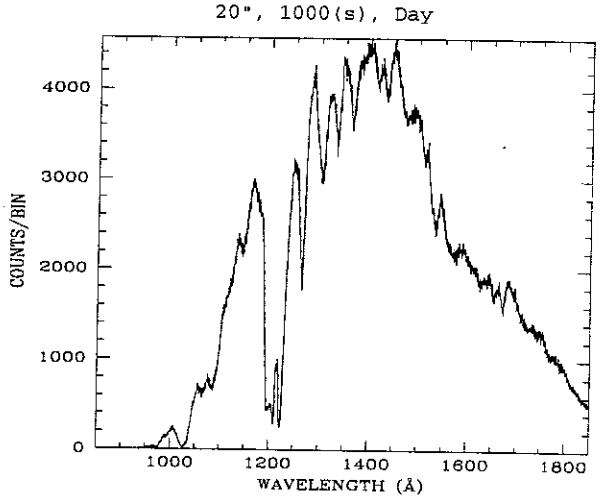
ID: 2239-1 W=Prime SciPgm= W31
Names: 48PER HD25940
Info: B3Ve V= 4.0 Wupmag=2.04
% Pol: 0.90
Pos Ang: 172.0
Mechanism: Electron scattering in CS disk
Comments:
Classified as pole-on. Vsini=200. Mid-spec type. Very low position on the triangle diagram.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.



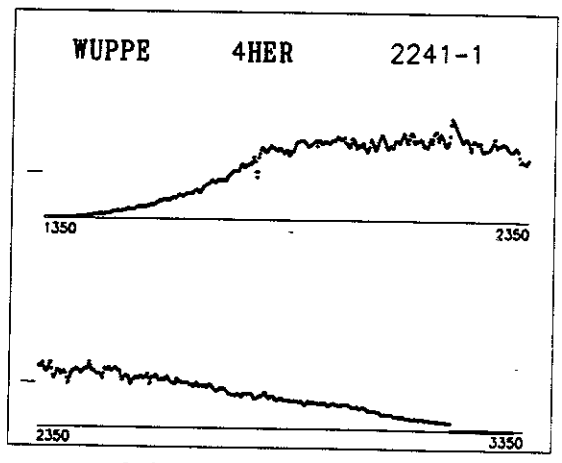
RA 238.4561 DEC 42.7105 NAME 4HER ID 2241-1



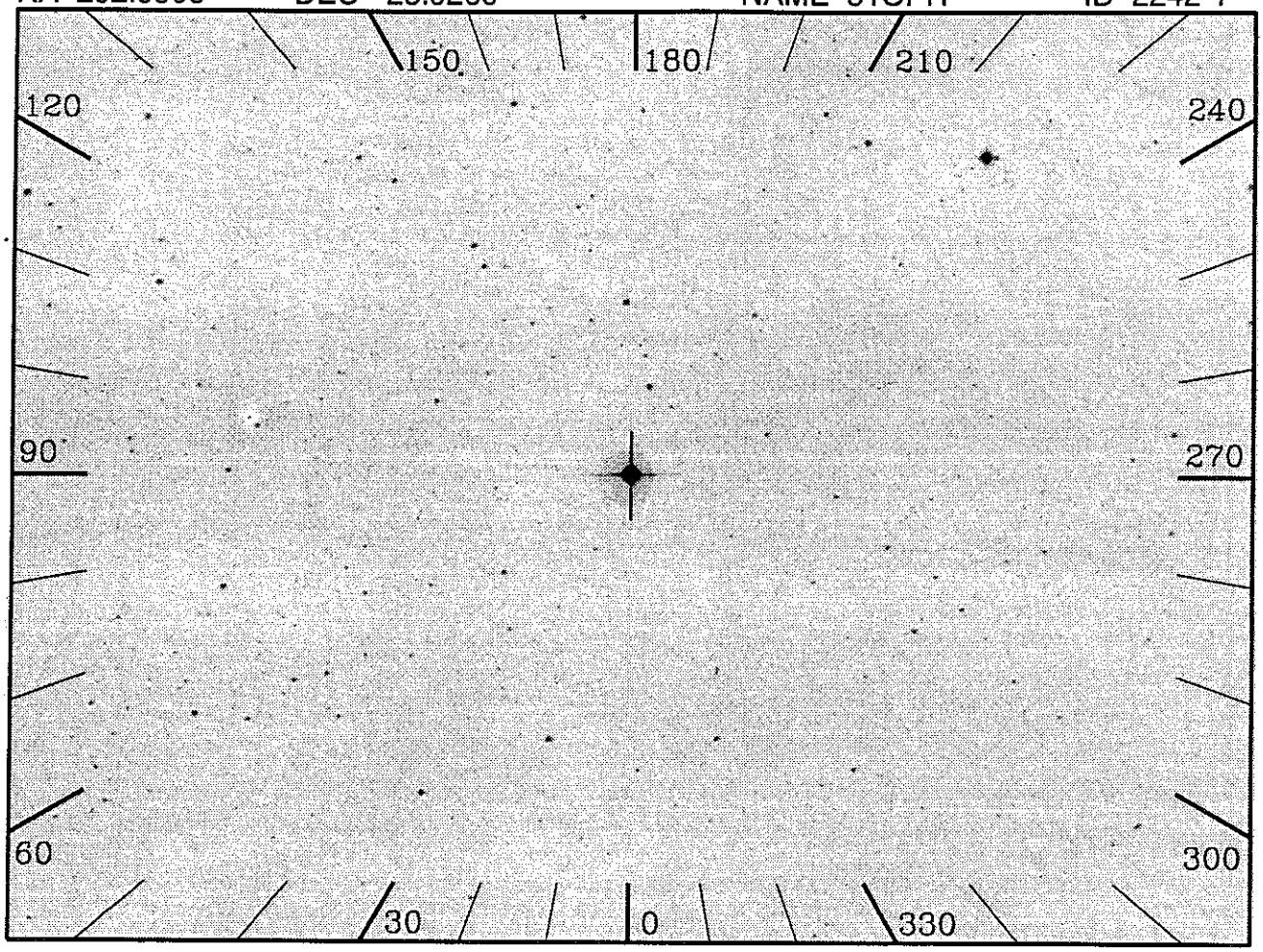
OBJECT: 4HER
KEYWORDS: Emission line star
COMMENTS:
V=5.75 B-V=-0.11 E(B-V)=0.02 spectype=B7V
Variable: 5.74 < V < 5.84
Flux_1565 = 8.96e-11
Initial_expected_rate = 3649 cts/sec
Calibration: 300 sec dithers to single scan mode



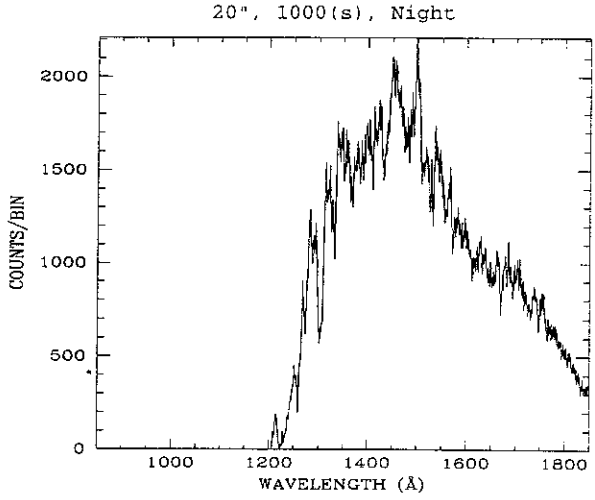
ID: 2241-1 W=Prime SciPgm= W31
Names: 4HER HD142926
Info: B7IVe-sh V= 5.7 Wupmag=4.10
% Pol: 0.15
Pos Ang: 148.0
Mechanism: Electron scattering in CS disk
Comments:
Shell star with late spectral type.
Vsini=300. Very small Balmer jump
in optical specpol.



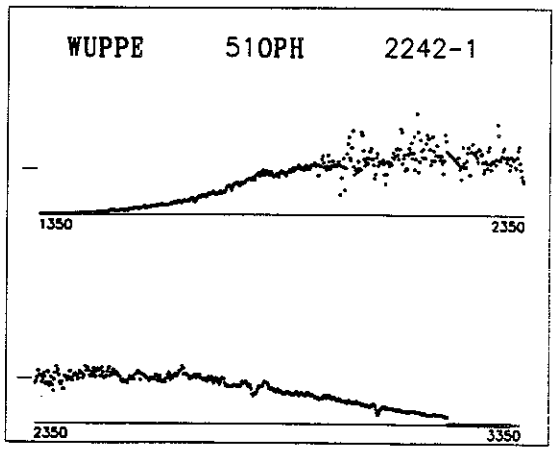
RA 262.0906 DEC -23.9260 NAME 51OPH ID 2242-1



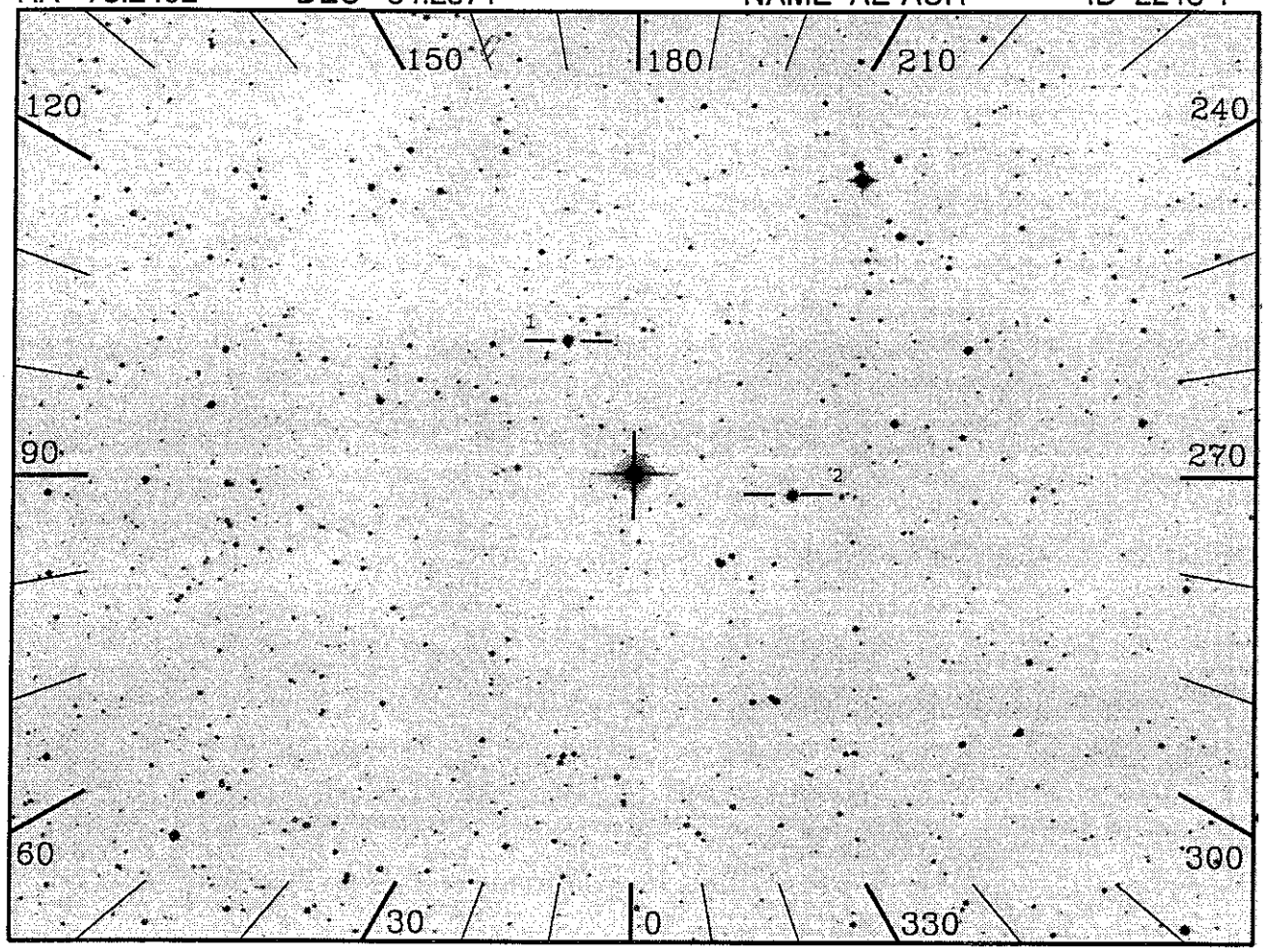
OBJECT: 51OPH
KEYWORDS: Emission line star
COMMENTS:
V=4.8 B-V=0.07 E(B-V)=0.05 spectype=B9.5V
Flux_1600 = 5.57e-11
Initial_expected_rate = 2882 cts/sec



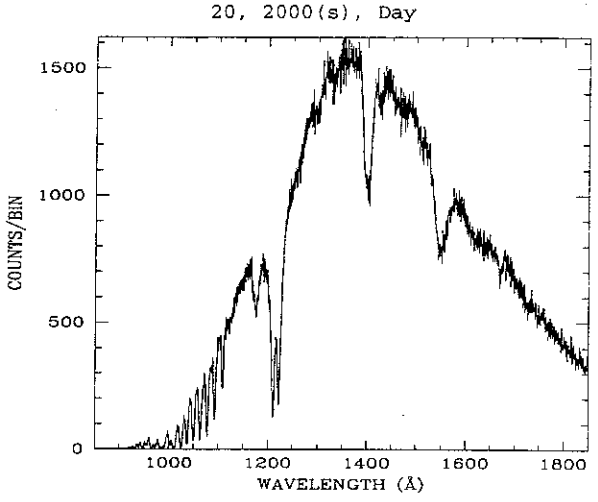
ID: 2242-1 W=Prime SciPgm= W31
Names: 51OPH HD158643
Info: B9.5IVe V= 4.8 Wupmag=3.80
% Pol: 0.45
Pos Ang: 26.0
Mechanism: Electron scattering in
circumstellar disk
Comments:
Best candidate on extreme late end of Be spectral range. Vsini=220, D=13pc. Has been suspected as a possible HAeBe star. Polarization may be low.



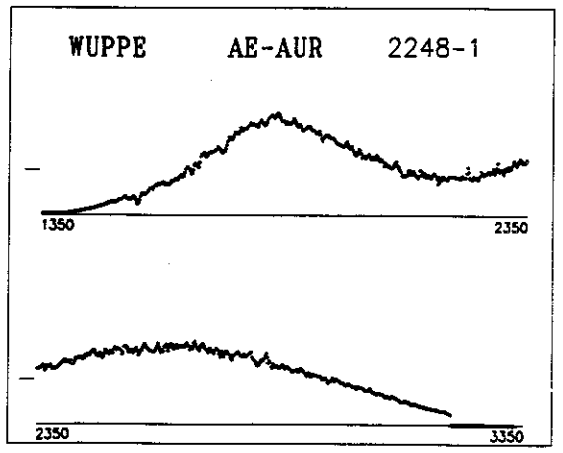
RA 78.2492 DEC 34.2571 NAME AE-AUR ID 2248-1



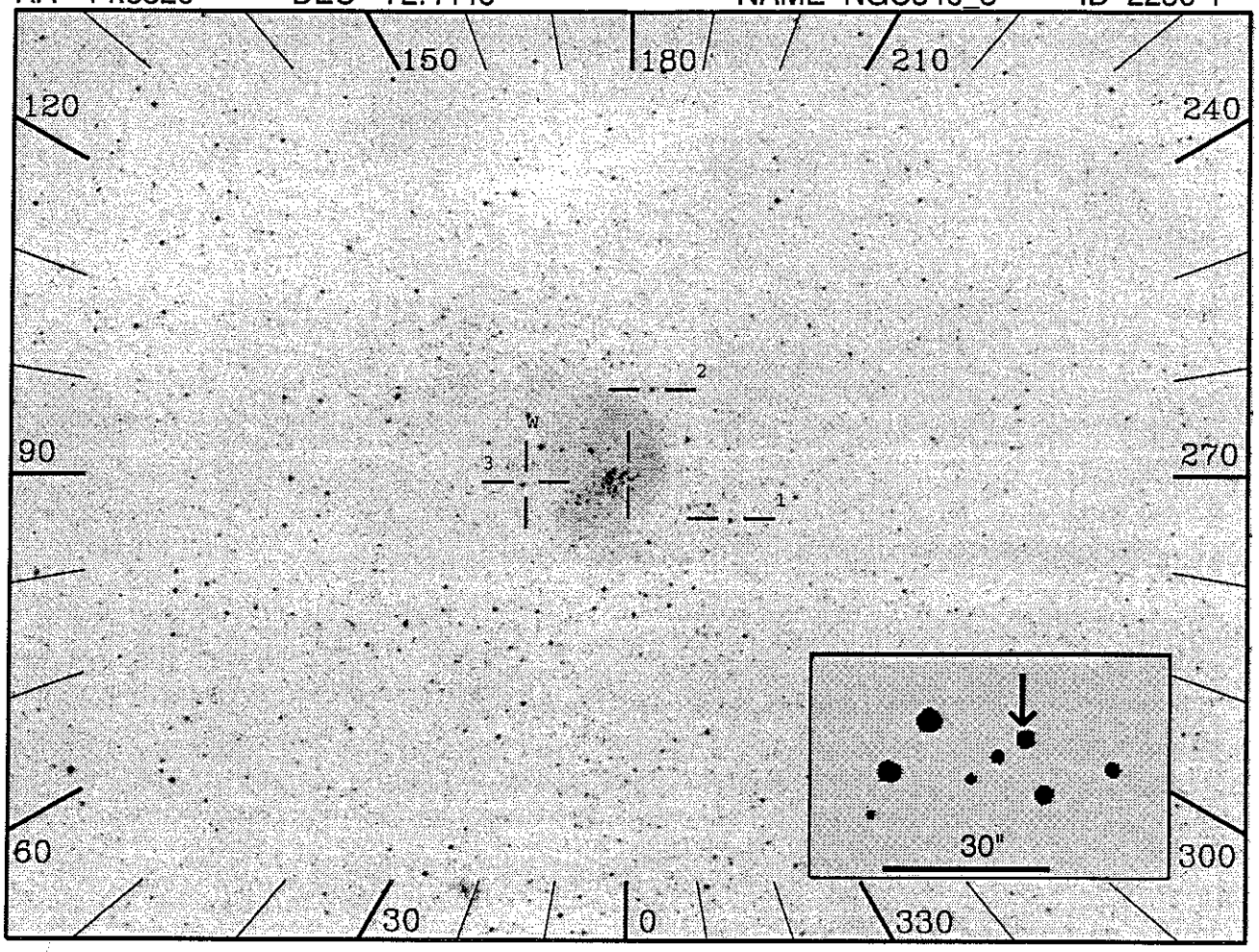
OBJECT: 2248 AE-AUR
KEYWORDS: O Star in Reflection Nebula
COMMENTS:
High proper motion. Coordinates have been corrected for motion. Strong molecular hydrogen absorption expected. Paired with nebula IC405 ID 4221 in IPS cone.



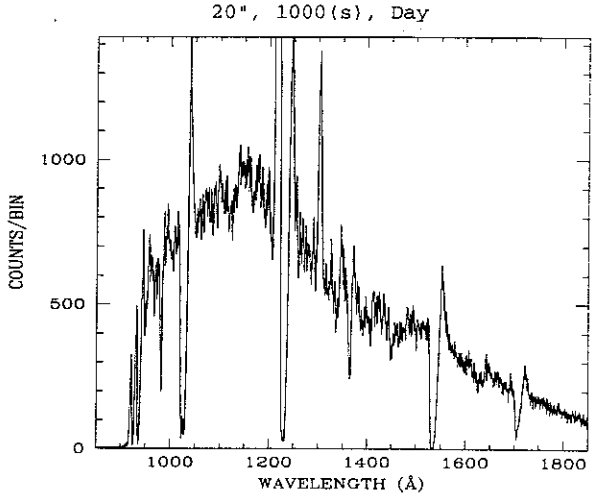
ID: 2248-1 H=Prime SciPgm= H12
Names: AE-AUR HD34708
Info: O9.5Ve V= 5.94 Wupmag=4.89
% Pol: 1.66
Pos Ang: 153.0
Mechanism: Electron scattering in CS disk?
Comments:
High optical pol Oe star. Also potentially interesting ISP probe. Variable.



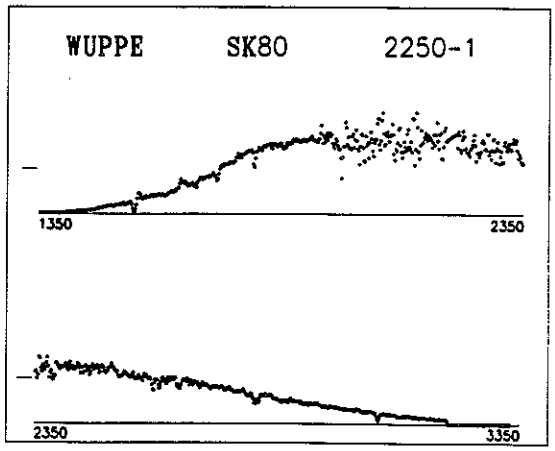
RA 14.3326 DEC -72.4446 NAME NGC346_3 ID 2250-1



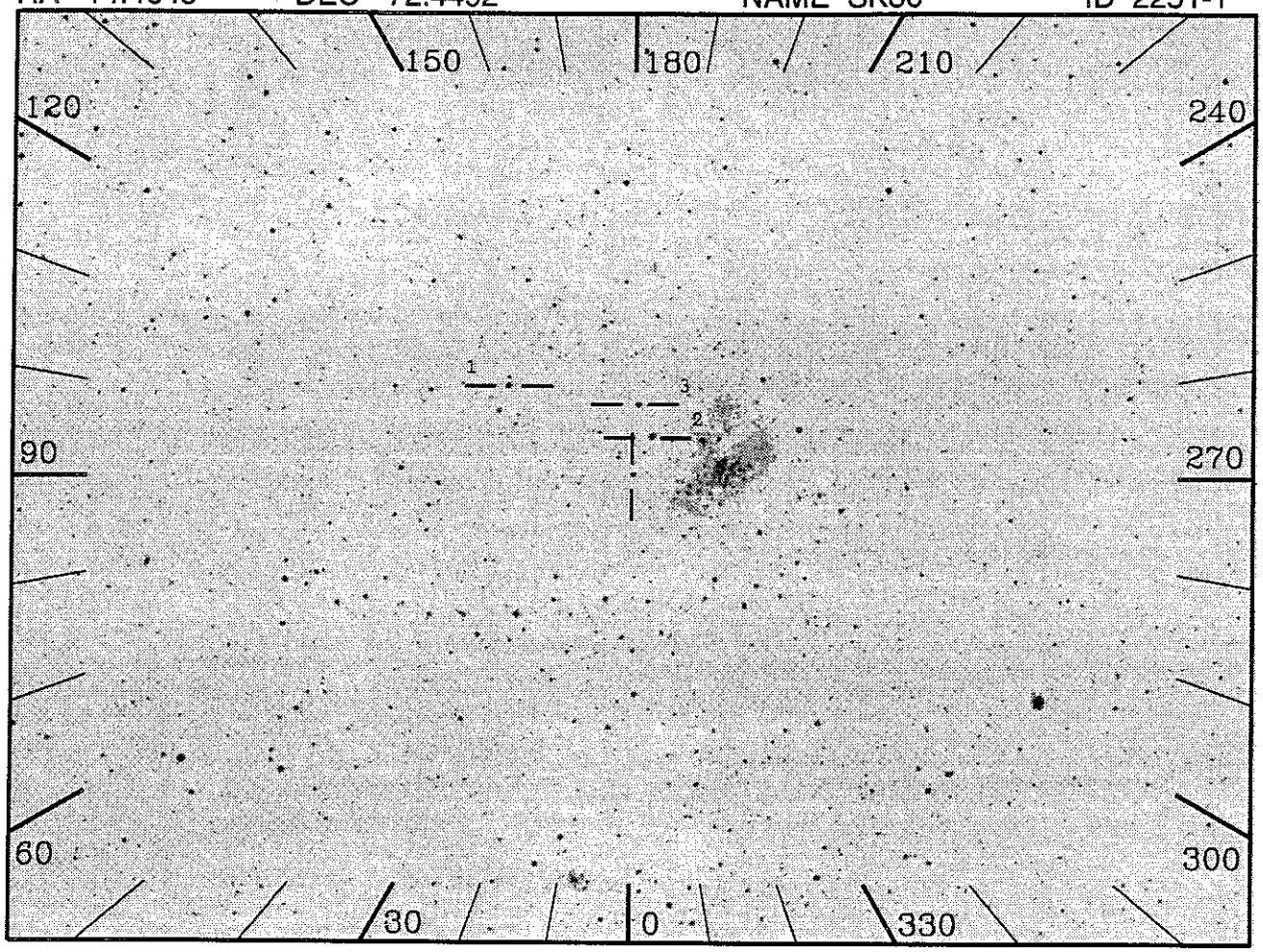
OBJECT: 2250 NGC346_3
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Other nearby stars are observed in other sequences.



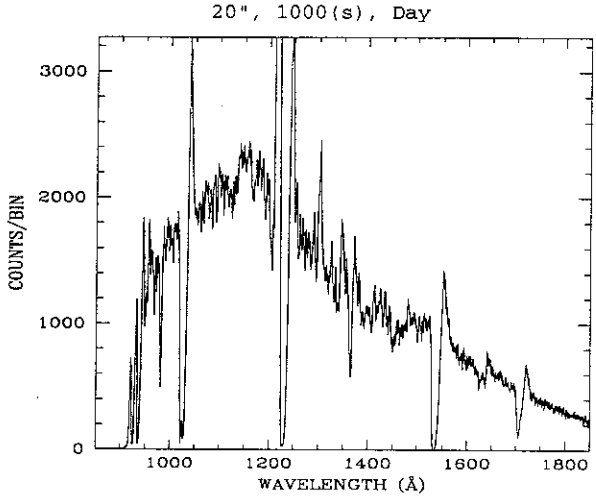
ID: 2250-1 H=Prime SciPgm= G15
Names: NGC346_3
Info: O9III V= 13.5 m(1500)=9.
% Pol:
Pos Ang:
Mechanism:
Comments:
NOTE: WUPPE OFFSET TARGET
WUP is offsetting to SK80 (2251).
Info: O7Iaf V=12.36 Wupmag=8.91



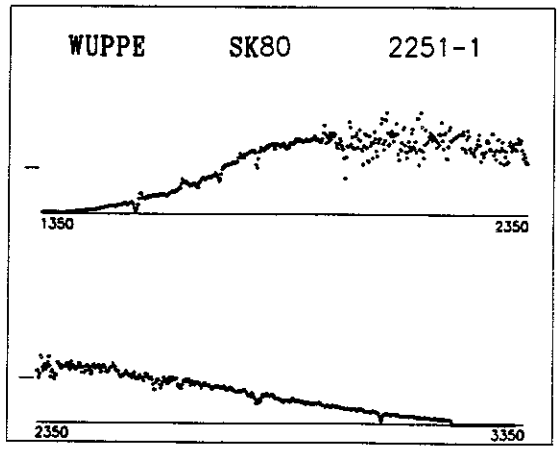
RA 14.4645 DEC -72.4492 NAME SK80 ID 2251-1



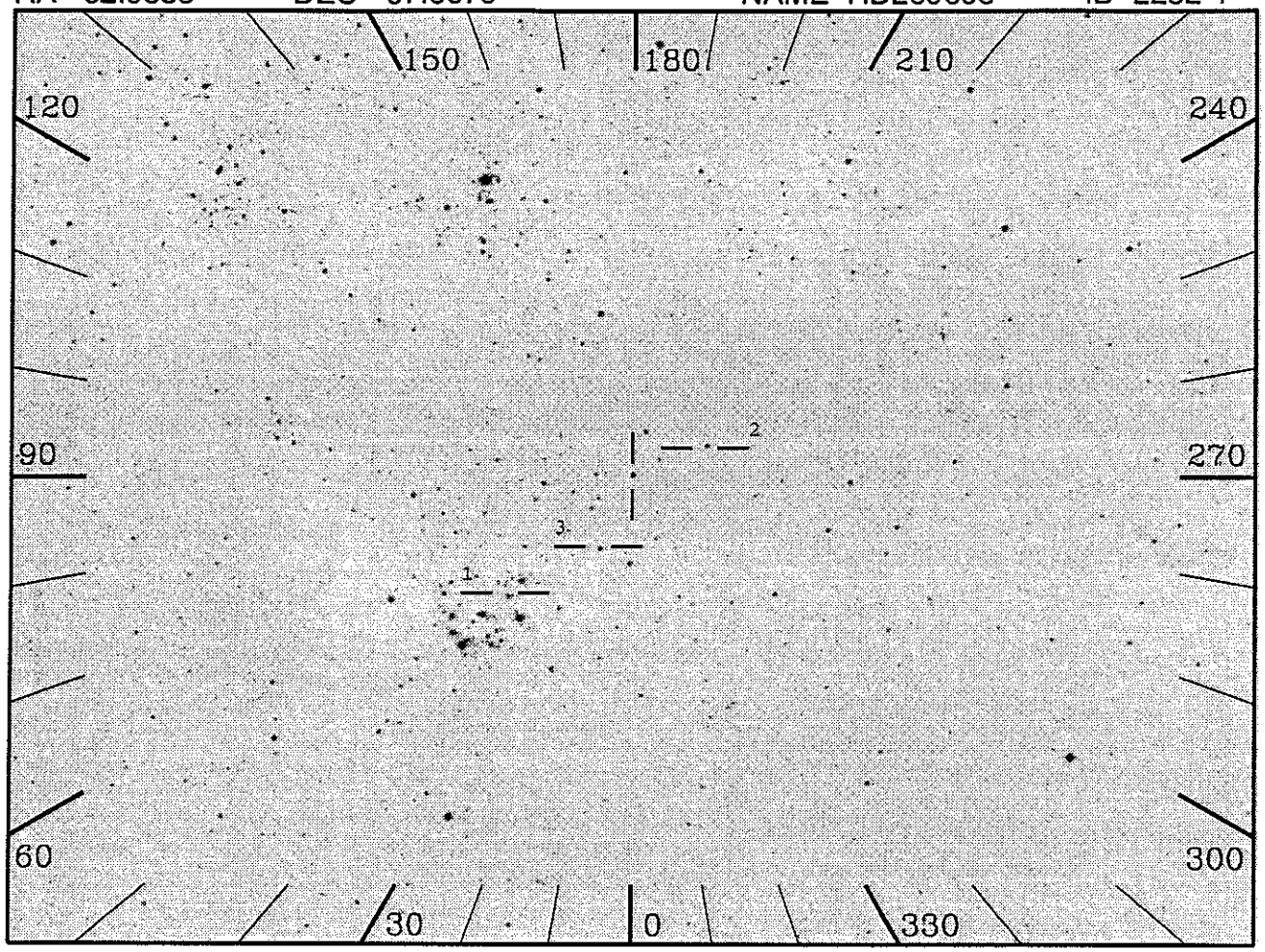
OBJECT: 2253 SK80
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Other nearby stars are observed in other sequences.



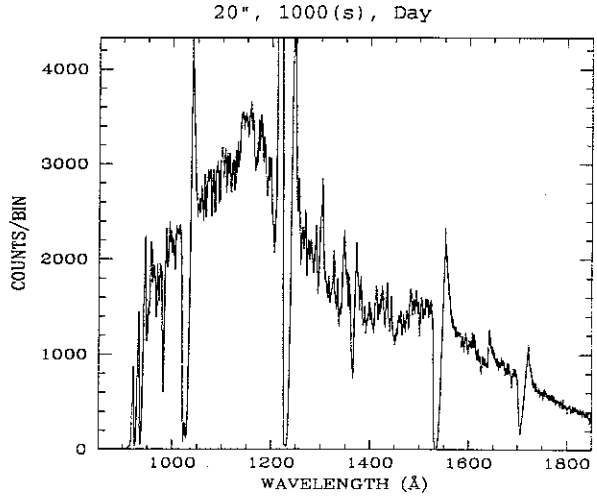
ID: 2251-1 H=Prime SciPgm= G15
Names: SK80 AV232
Info: O7Iaf V=12.36 Wupmag=8.91
% Pol:
Pos Ang:
Mechanism:
Comments:



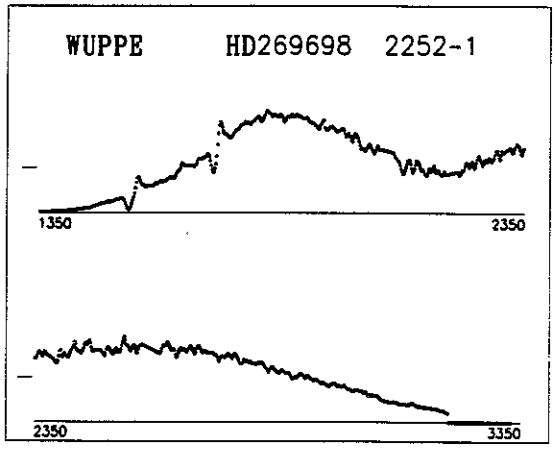
RA 82.9655 DEC -67.6679 NAME HD269698 ID 2252-1



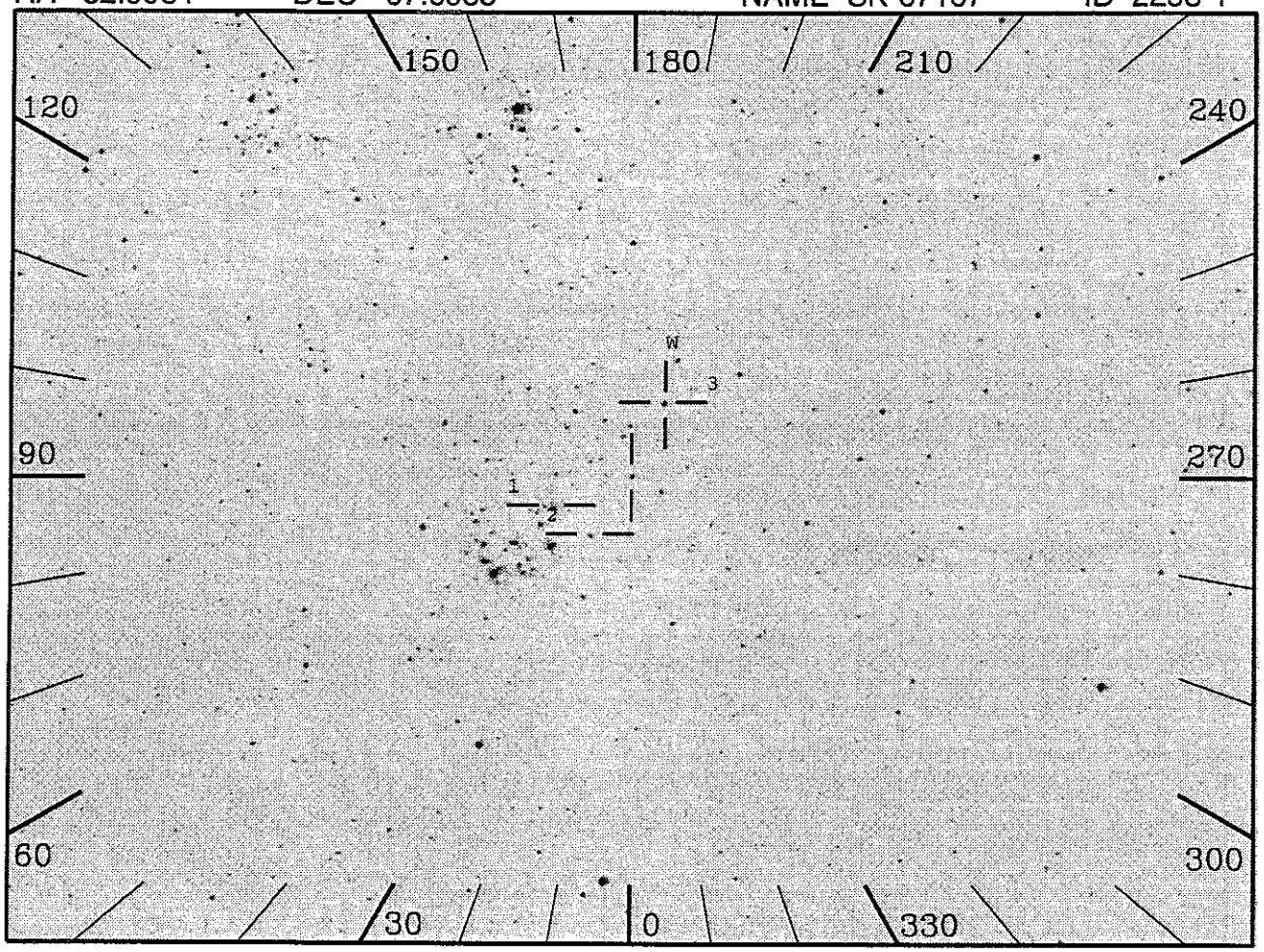
OBJECT: 2252 HD269698
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



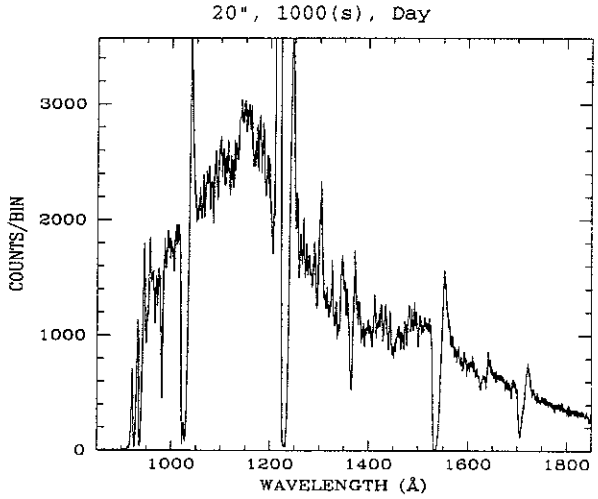
ID: 2252-1 H=Prime SciPgm= G15
Names: HD269698 SK-67166
Info: O4If V=12.27 m(1500)=7.9
% Pol:
Pos Ang:
Mechanism:
Comments:
Potential good OB supergiant case.
IUE data used for simulated spectrum is that of HD93129A (2218).



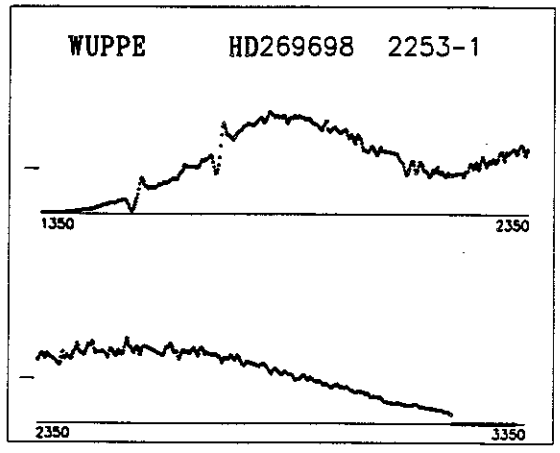
RA 82.9984 DEC -67.6955 NAME SK-67167 ID 2253-1



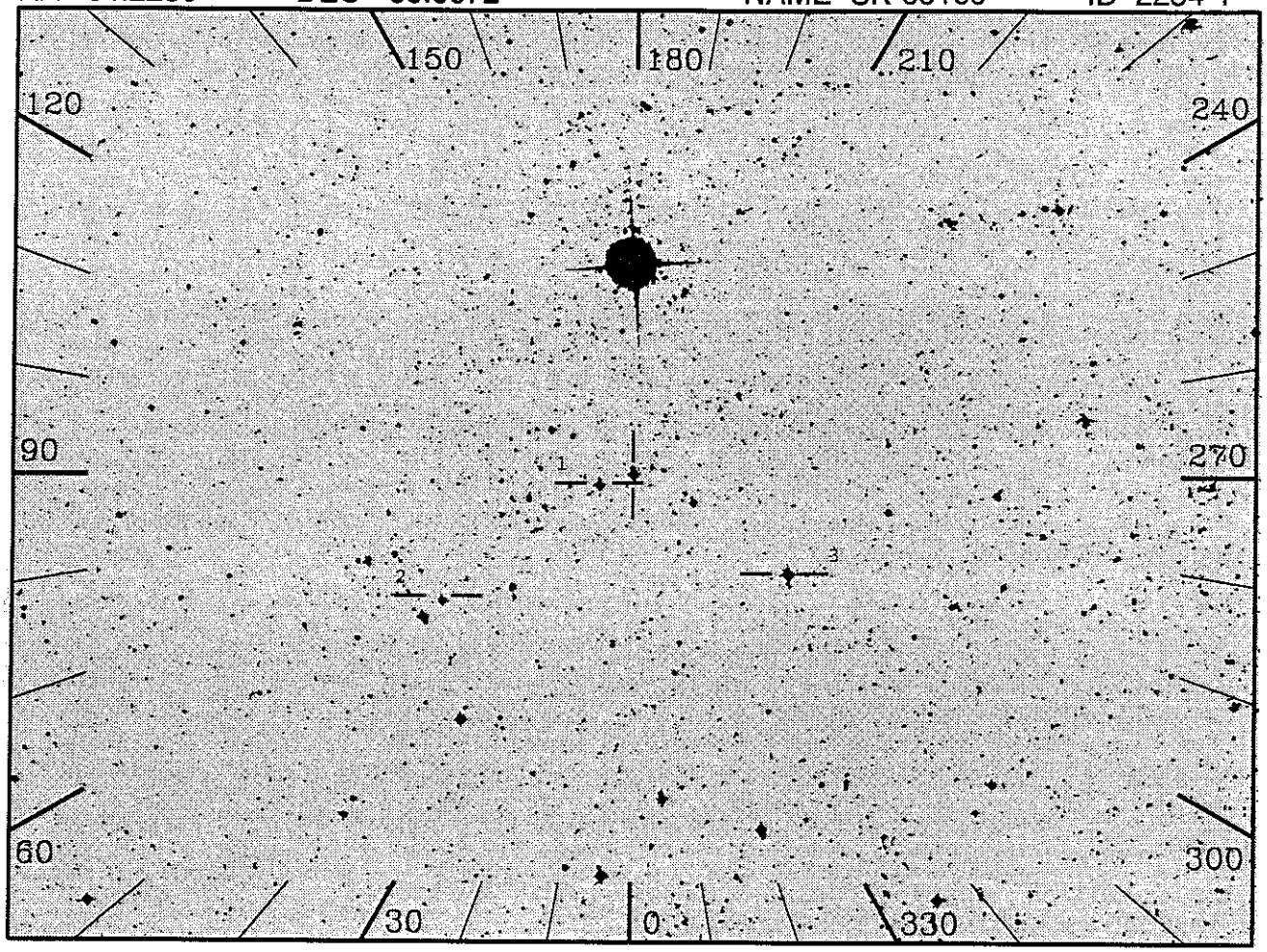
OBJECT: 2253 SK-66167
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



ID: 2253-1 H=Prime SciPgm= G15
Names: SK-67167
Info: O4Inf V=12.54 Wupmag=9.00
% Pol:
Pos Ang:
Mechanism:
Comments:
NOTE: WUPPE OFFSET TARGET
WUP offsetting to HD269698 (2252)=Guide Star 3.
Info: O4If V=12.27 m(1500)=7.9
Potentially good OB supergiant case.
IUE data used for simulated spectrum is that of HD93129A (2218).

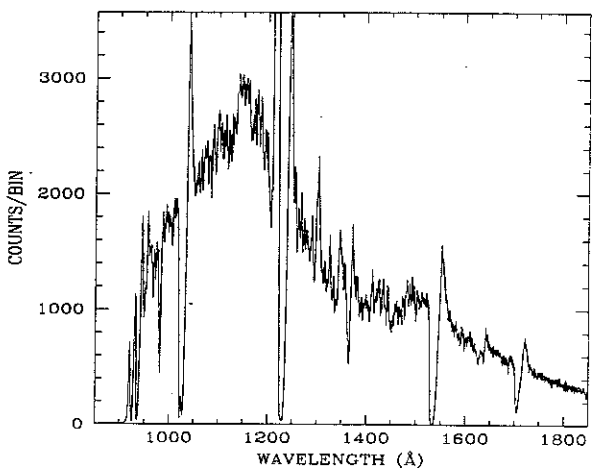


RA 84.2286 DEC -66.6672 NAME SK-66169 ID 2254-1

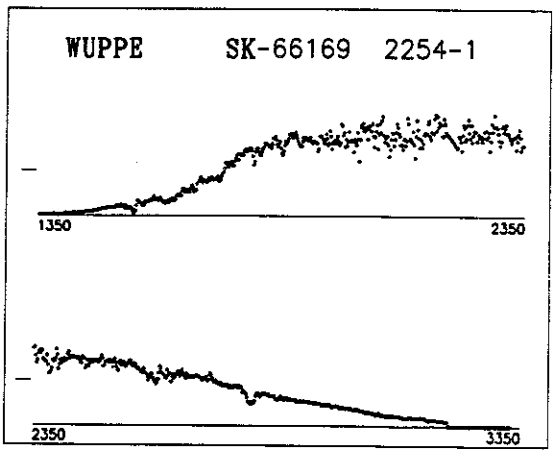


20", 1000(s), Day

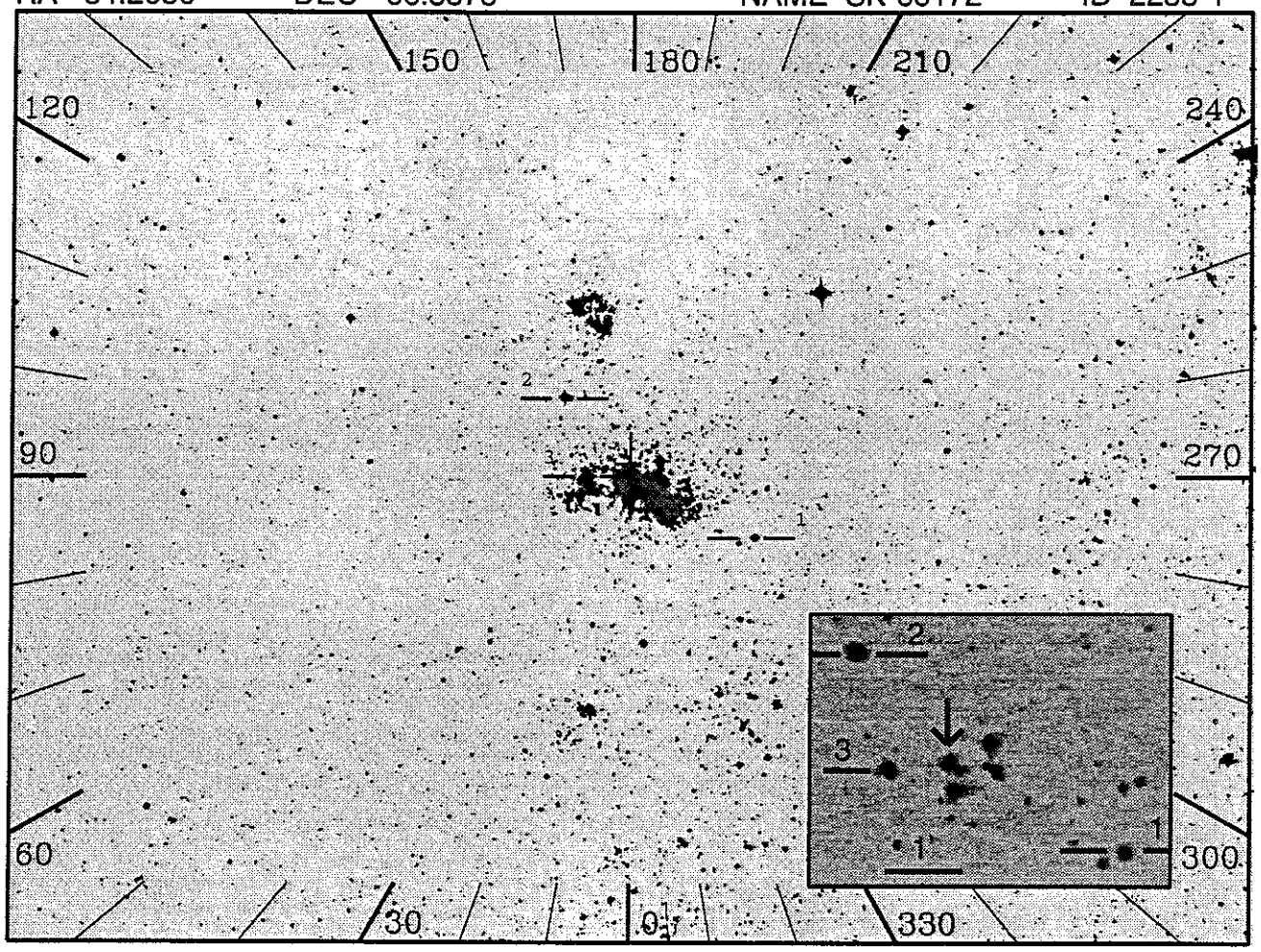
OBJECT: 2554 SK-66169
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



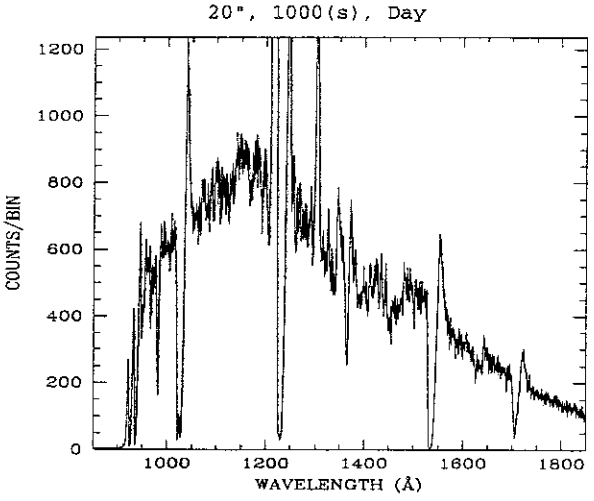
ID: 2254-1 H=Prime SciPgm= G15
Names: SK-66169
Info: O9Ia V=12.56 Wupmag=8.52
% Pol:
Pos Ang:
Mechanism: Electron scattering in
circumstellar envelope
Comments:
Possible OB example.



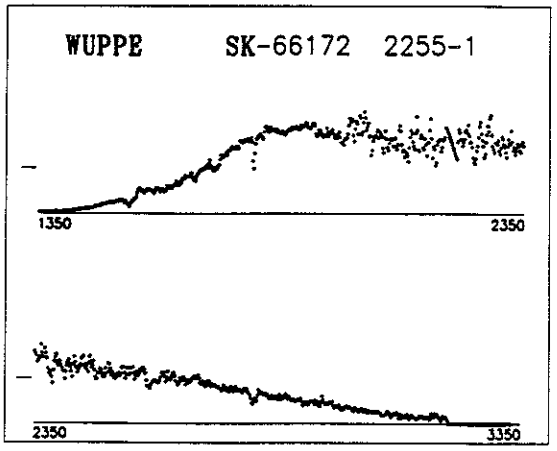
RA 84.2656 DEC -66.3878 NAME SK-66172 ID 2255-1



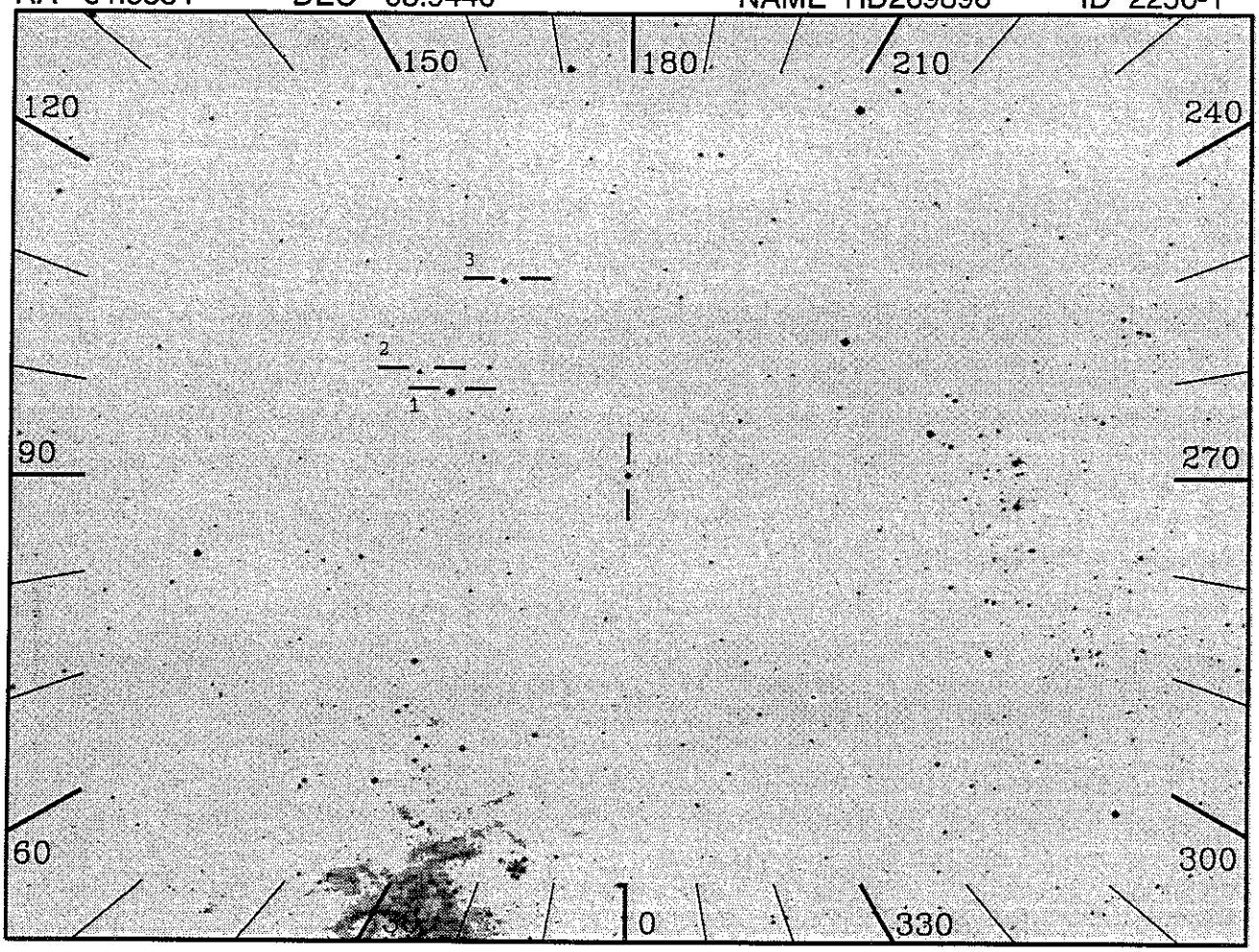
OBJECT: 2255 SK-66172
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



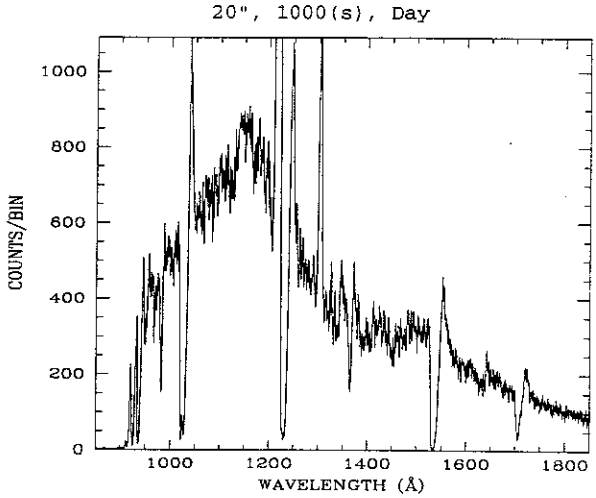
ID: 2255-1 H=Prime SciPgm= G15
Names: SK-66172
Info: O3III V=13.13 Wupmag=9.91
% Pol:
Pos Ang:
Mechanism:
Comments:
Potentially good OB supergiant case.



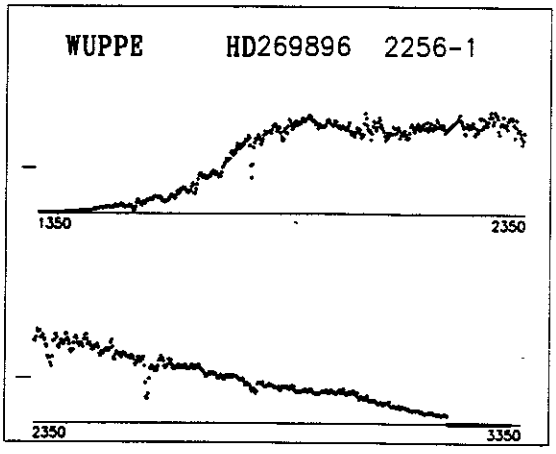
RA 84.5334 DEC -68.9440 NAME HD269896 ID 2256-1



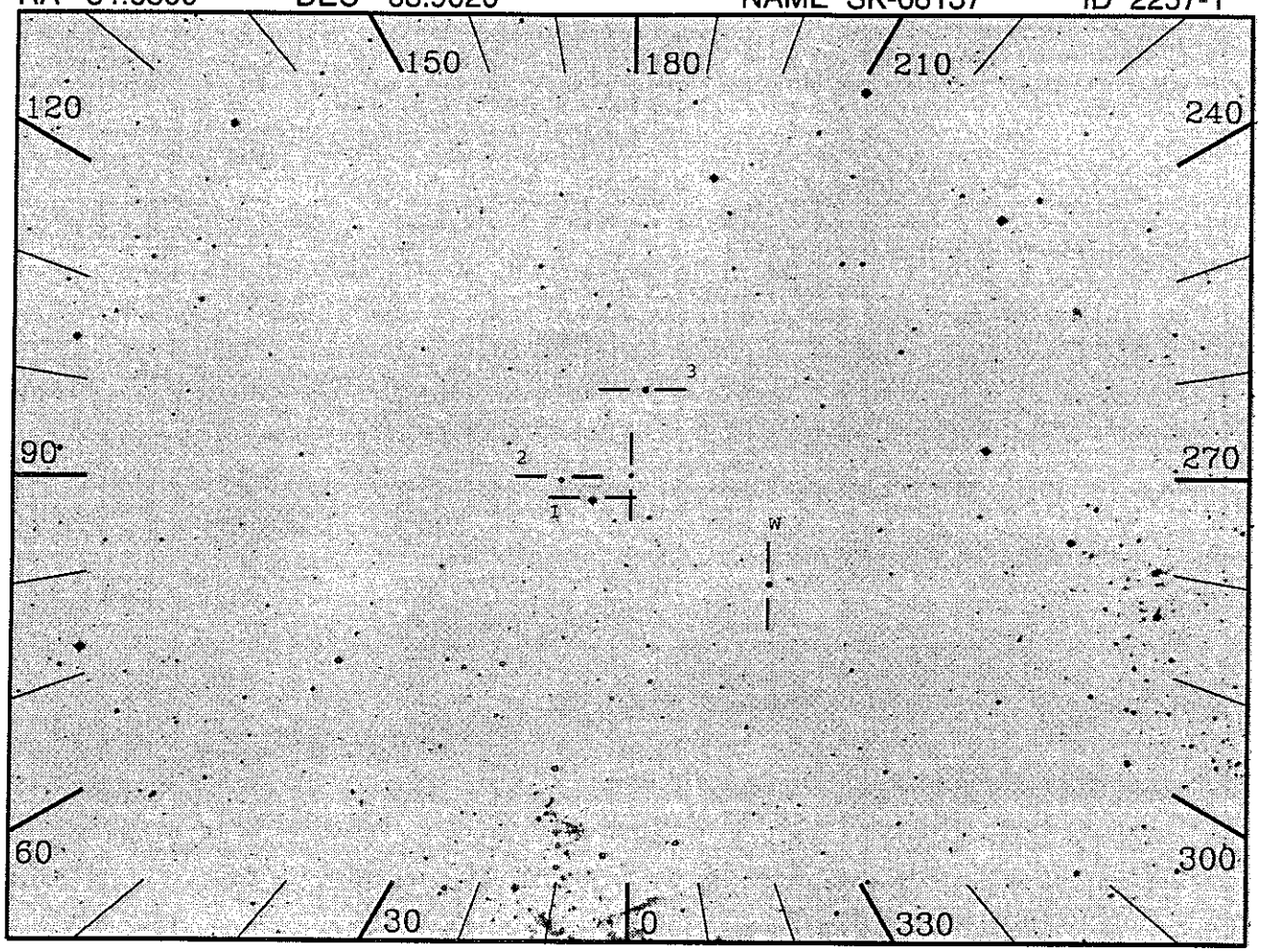
OBJECT: 2256 HD269896
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



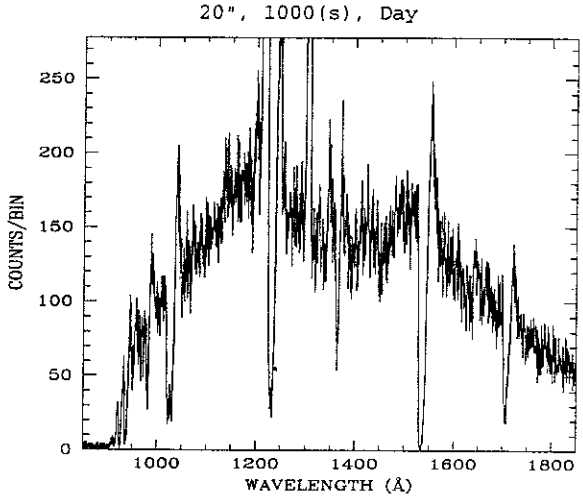
ID: 2256-1 H=Prime SciPgm= G15
Names: HD269896 SK-68135
Info: B0Ia V=11.35 Wupmag=9.20
% Pol:
Pos Ang:
Mechanism: Electron scattering?
Comments:
Possible OBsg example case.



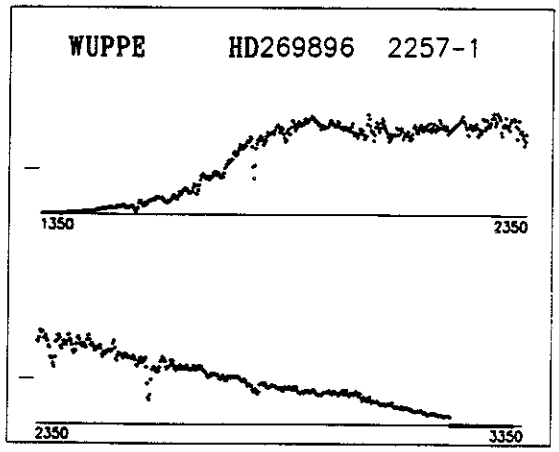
RA 84.6800 DEC -68.9020 NAME SK-68137 ID 2257-1



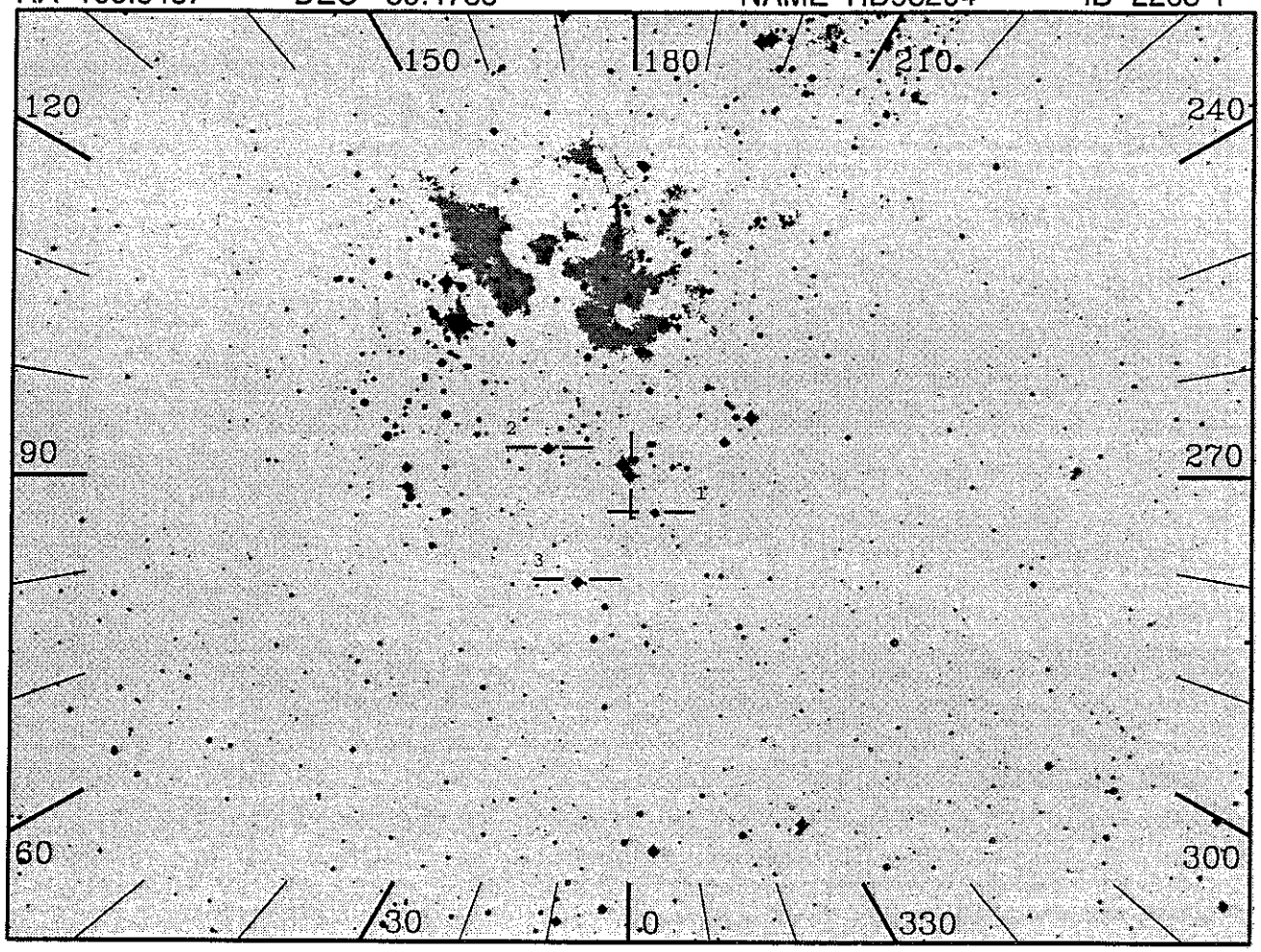
OBJECT: 2253 SK-66137
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in LMC. Other nearby stars are observed in other sequences.



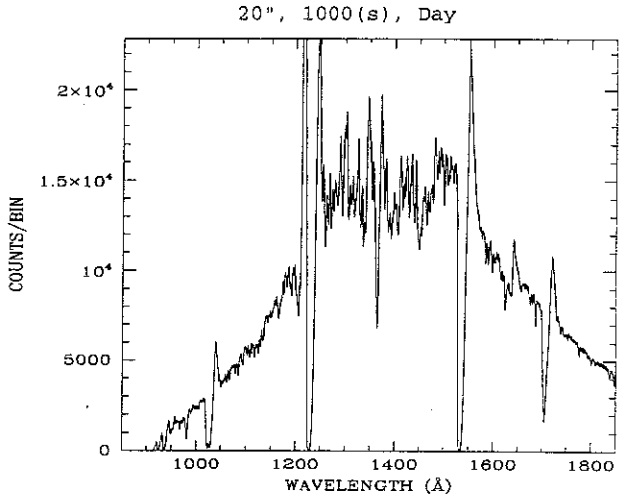
ID: 2257-1 H=Prime SciPgm= G15
Names: SK-68137
Info: O3III V=13.26 Wupmag=10.6
% Pol:
Pos Ang:
Mechanism:
Comments:
NOTE: WUPPE OFFSET TARGET
WUP is offsetting to HD269896 (ID# 2256).
Info: B0Ia V=11.35 Wupmag=9.2
Potential good OB supergiant case.



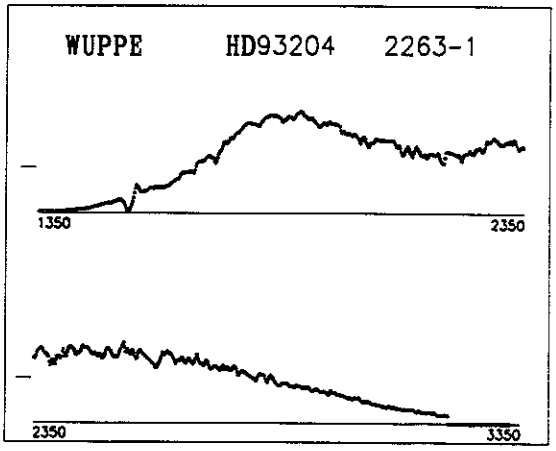
RA 160.6487 DEC -59.4786 NAME HD93204 ID 2263-1



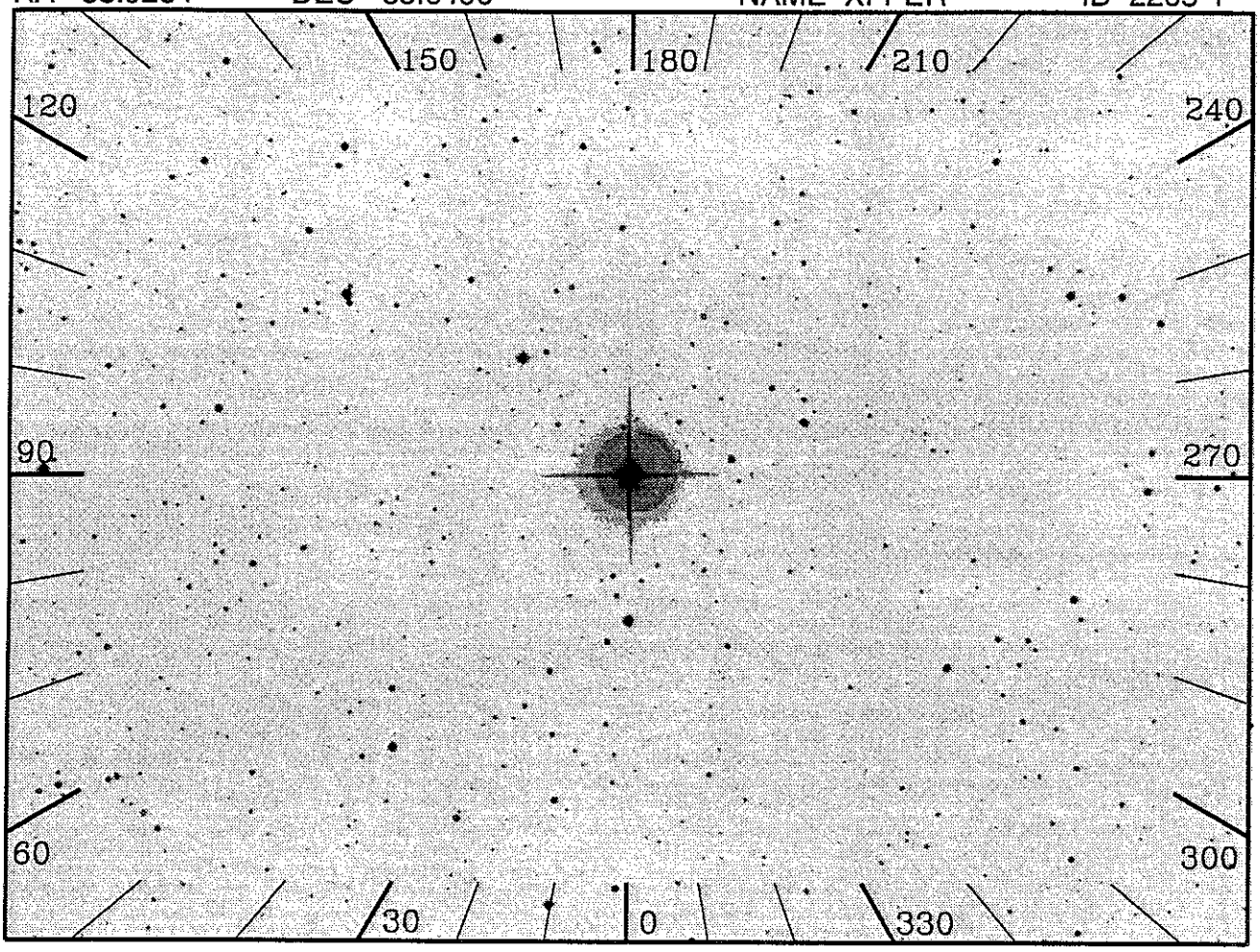
OBJECT: 2263 HD93204
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in Eta Carina region. Simulation does not include strong molecular absorption lines expected below Lyman alpha. Other nearby stars are observed in other sequences.



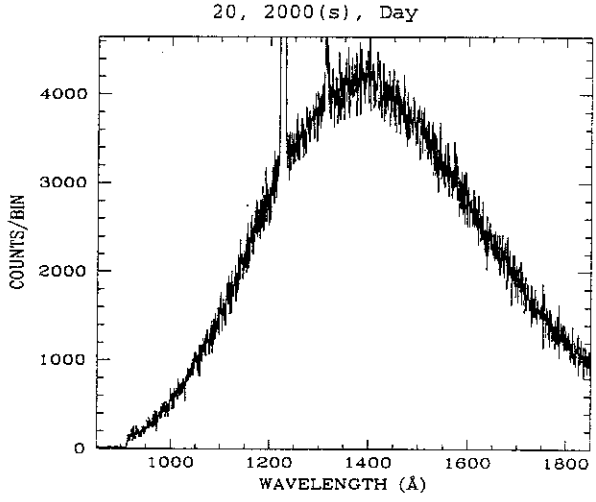
ID: 2263-1 H=Prime SciPgm= G15
Names: HD93204
Info: O5V V= 8.42 Wupmag=6.30
% Pol:
Pos Ang:
Mechanism:
Comments:
Potentially good OB main sequence case.



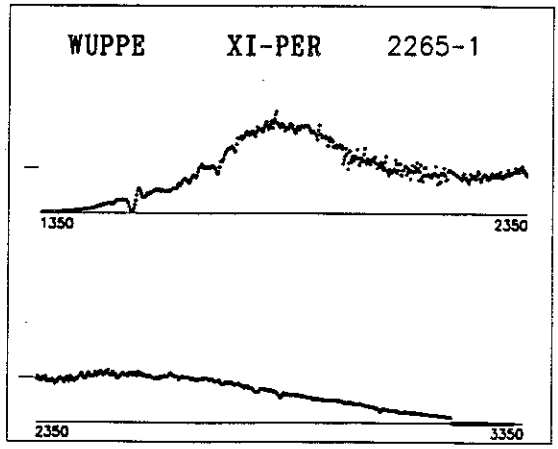
RA 58.9284 DEC 35.6490 NAME XI-PER ID 2265-1



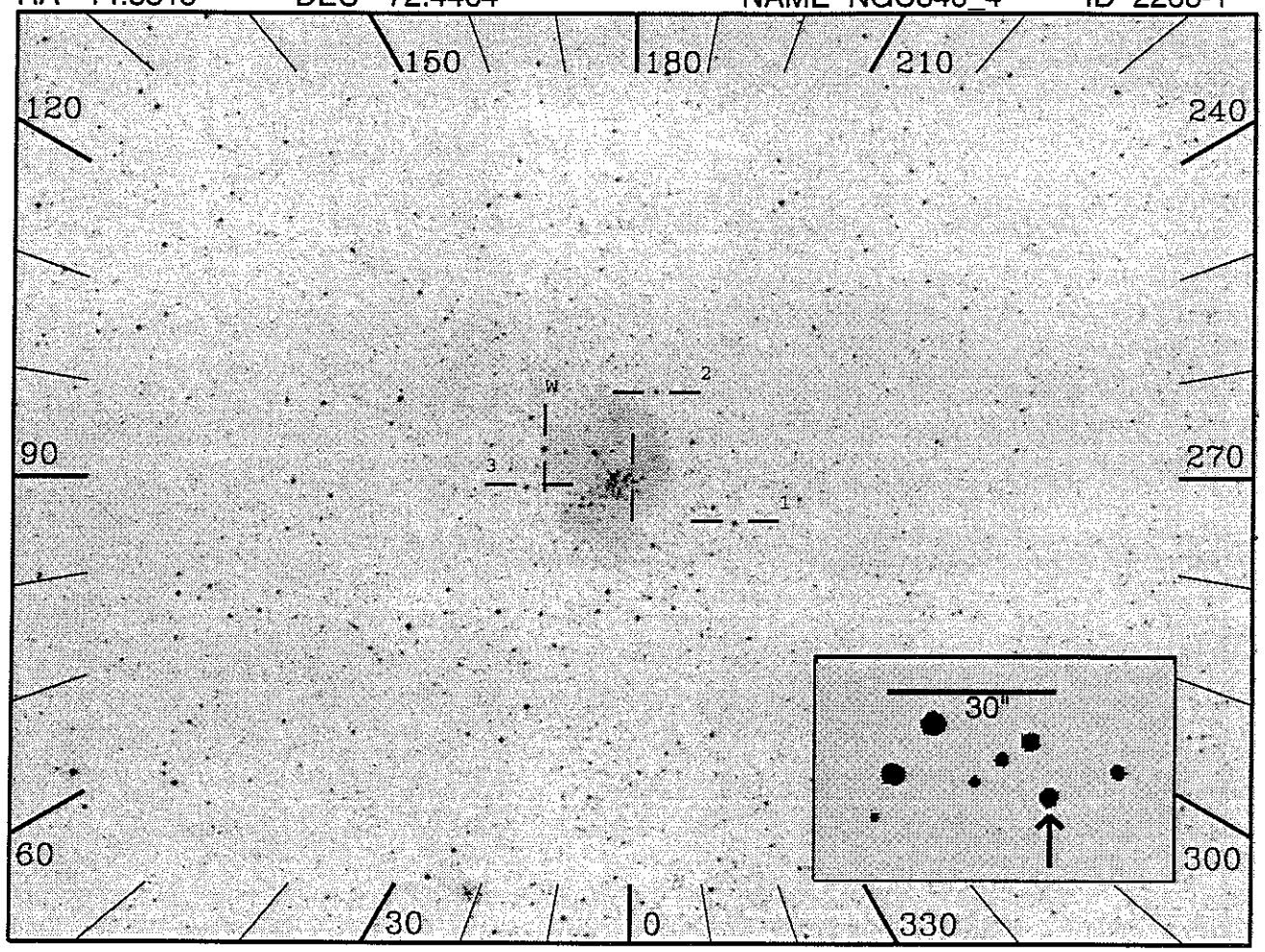
OBJECT: 2265 XI-PER
KEYWORDS: HII region near Hot O7.5III star
COMMENTS:
Only Galactic HII region planned to be observed by HUT. Scattered light spectrum of star expected to dominate at nebular position Offset from star. MAKE SURE STAR DOES not FALL INTO SLIT BECAUSE DETECTOR WILL BE DESTROYED.



ID: 2265-1 W=Prime SciPgm= W31
Names: XI-PER HD24912
Info: O7e V= 4.0 Wupmag=1.50
% Pol: 1.29
Pos Ang: 105.0
Mechanism: Electron scattering in circumstellar envelope
Comments:
Interesting Oe star. Shows NAC's in UV wind line profiles. UV polarization unknown. NOTE: SPECTROMETER IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.

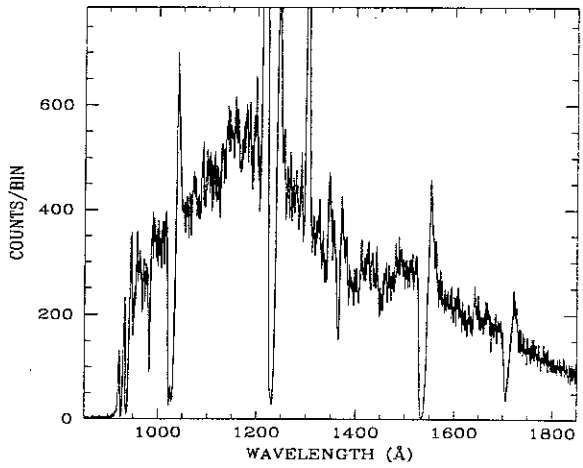


RA 14.3315 DEC -72.4464 NAME NGC346_4 ID 2268-1

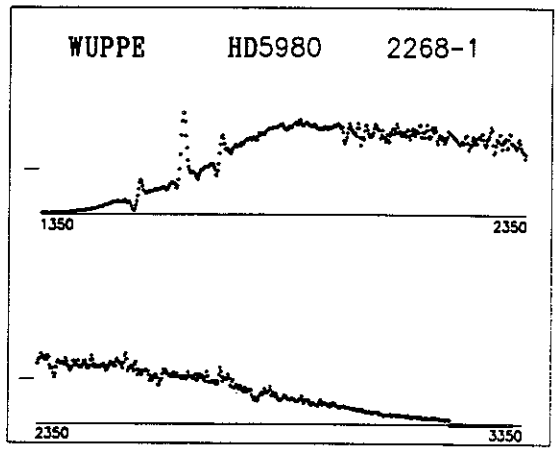


20", 1000(s), Day

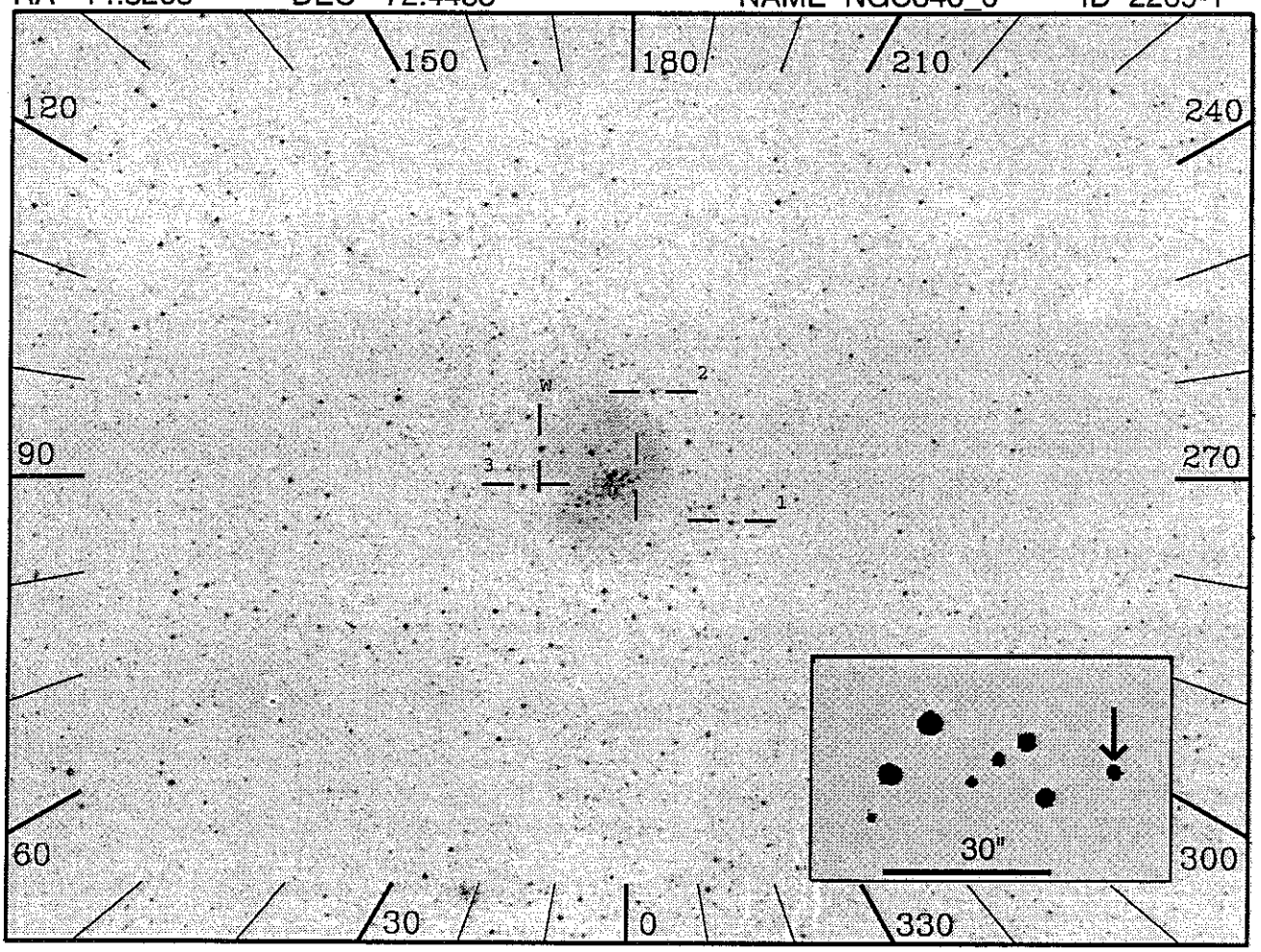
OBJECT: 2268 NGC346_4
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Other nearby stars are observed in other sequences.



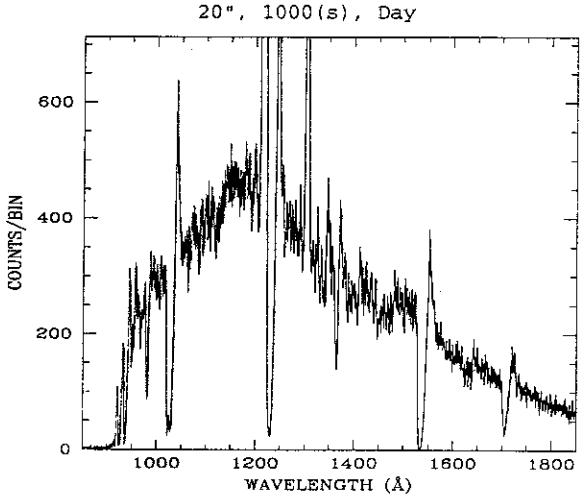
ID: 2268-1 H=Prime SciPgm= G15
Names: NGC346_4
Info: O5V V=13.66 m(1500)=9.8
% Pol:
Pos Ang:
Mechanism:
Comments:
NOTE: WUPPE OFFSET TARGET
WUP offsetting to HD5980.
Info: WR V=10 Wupmag=8.40
Currently in LBV-like outburst. Heavily reddened, and UV mag may be quite low.
HST polz'n measurements were very low.
HST follow-up.



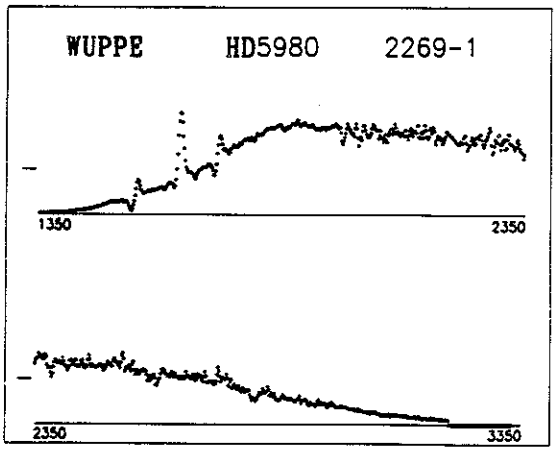
RA 14.3203 DEC -72.4453 NAME NGC346_6 ID 2269-1



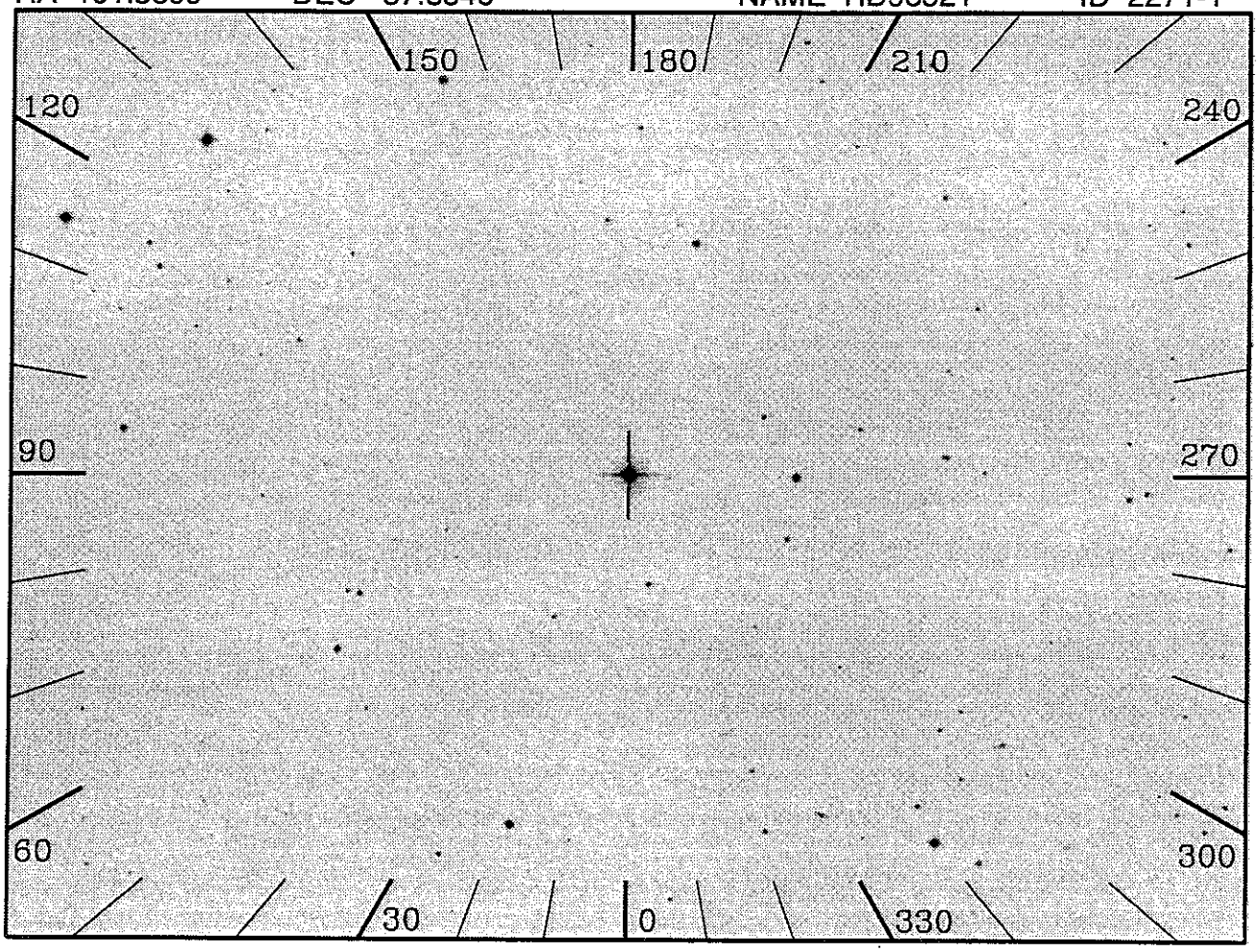
OBJECT: 2269 NGC346_6
KEYWORDS: O star with strong wind
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Other nearby stars are observed in other sequences.



ID: 2269-1 H=Prime SciPgm= G15
Names: NGC346_6
Info: O4V V=14.02 m(1500)=9.51
% Pol:
Pos Ang:
Mechanism:
Comments:
NOTE: WUPPE OFFSET TARGET
WUP offsetting to HD5980.
Info: WR V=10 Wupmag=8.40
Currently in LBV-like outburst. Heavily reddened, and UV mag may be quite low.
HST polz'n measurements were very low.
HST follow-up.

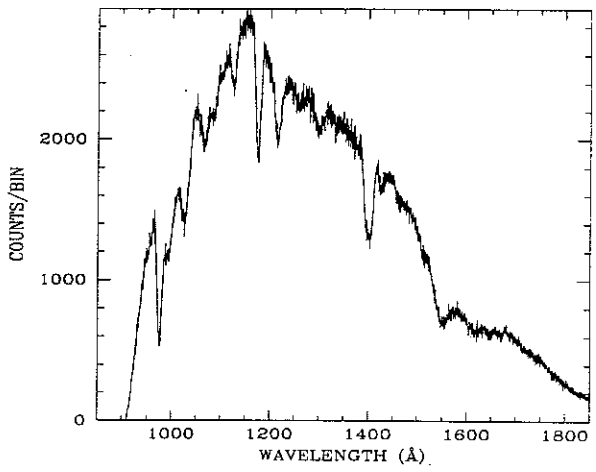


RA 161.3899 DEC 37.8346 NAME HD93521 ID 2271-1

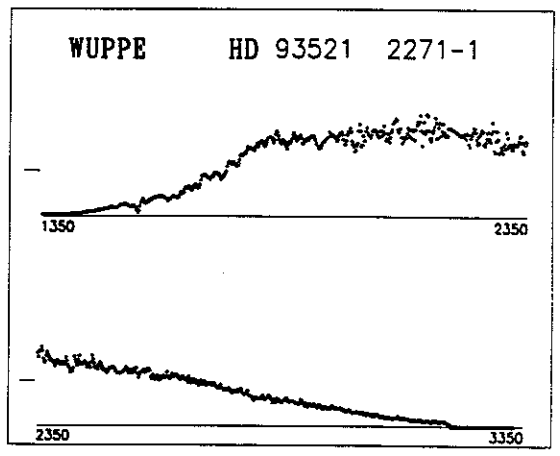


20", 1000(s), Night

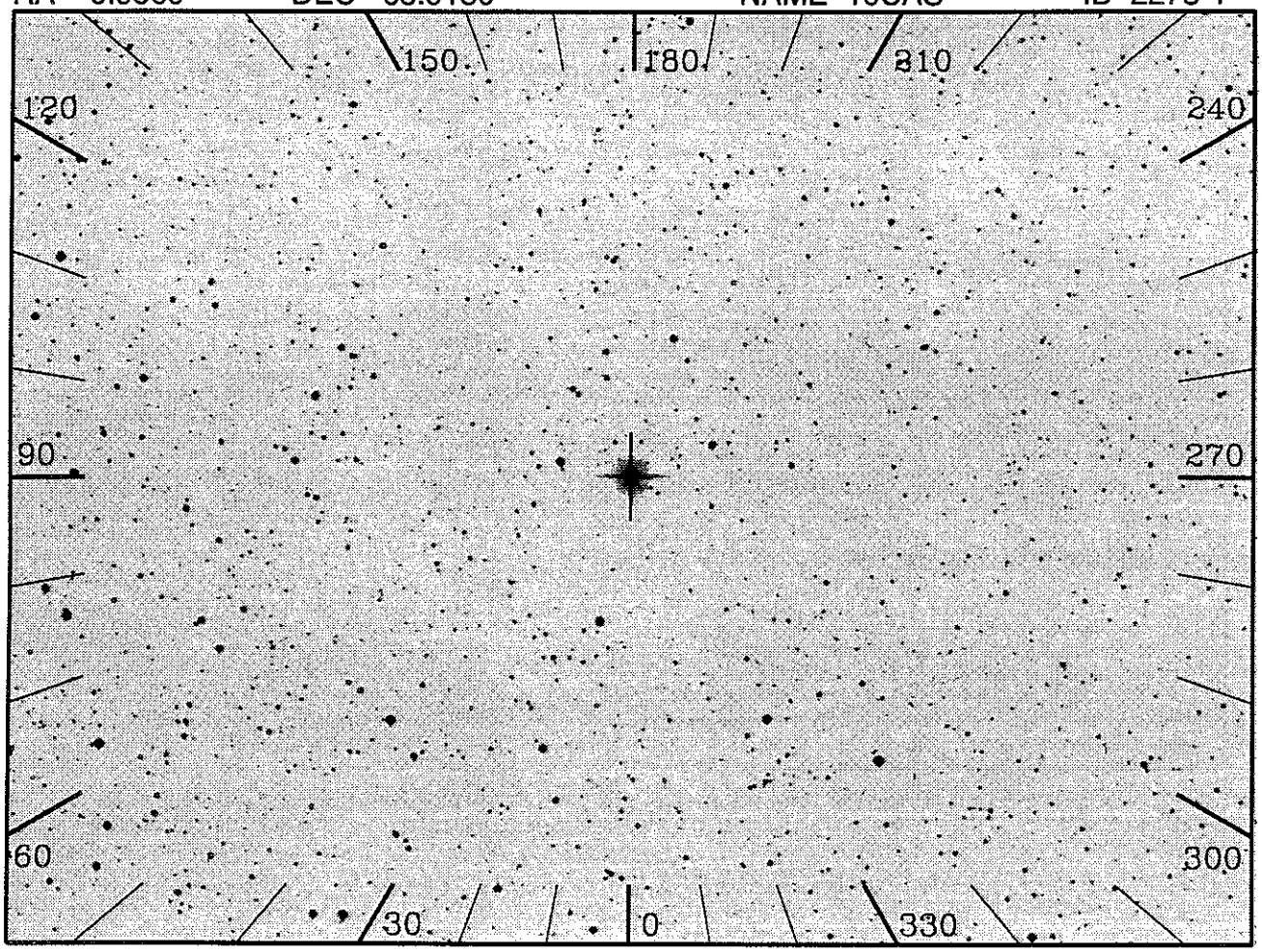
OBJECT: HD93521
KEYWORDS: Main Sequence star
COMMENTS:
V=7.04 B-V=-0.28 E(B-V)=0.02 spectype=O9.5V
Flux_1565 = 1.601e-10
Initial_expected_rate = 2541 cts/sec
Kurucz model, using O9.5V parameters and V=7.04, is 50% higher than TD1 and IUE observations. Model was normalized to observations and shows good agreement. Star is reported to be UV deficient relative to V band.



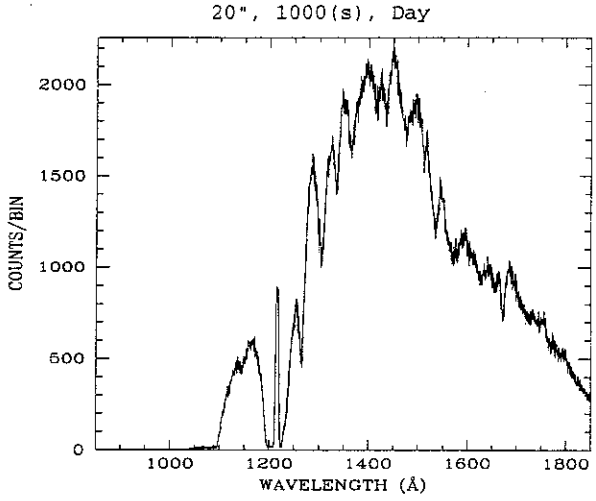
ID: 2271-1 W=Prime SciPgm= W31
Names: HD93521
Info: O9Vp V= 7.1 Wupmag=3.61
% Pol: 0.26 Pos Ang: 115.0
Mechanism: Electron scattering in circum-stellar disk or by wind
Comments:
Extreme hot end test case. Evidence for CS disk from HST data. Thought to be edge-on. Good test case for spec type dependence of Fe depol. High galactic latitude - possible ISP probe, also? Vsini=400. NOTE: DETECTOR IN FAST MODE- DO NOT EXPECT ON-LINE SPECTRUM.



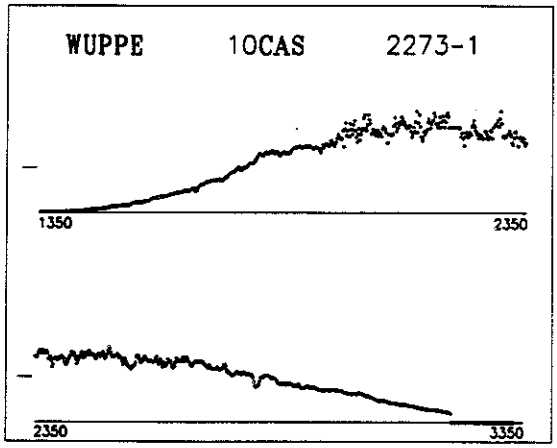
RA 0.9569 DEC 63.9180 NAME 10CAS ID 2273-1



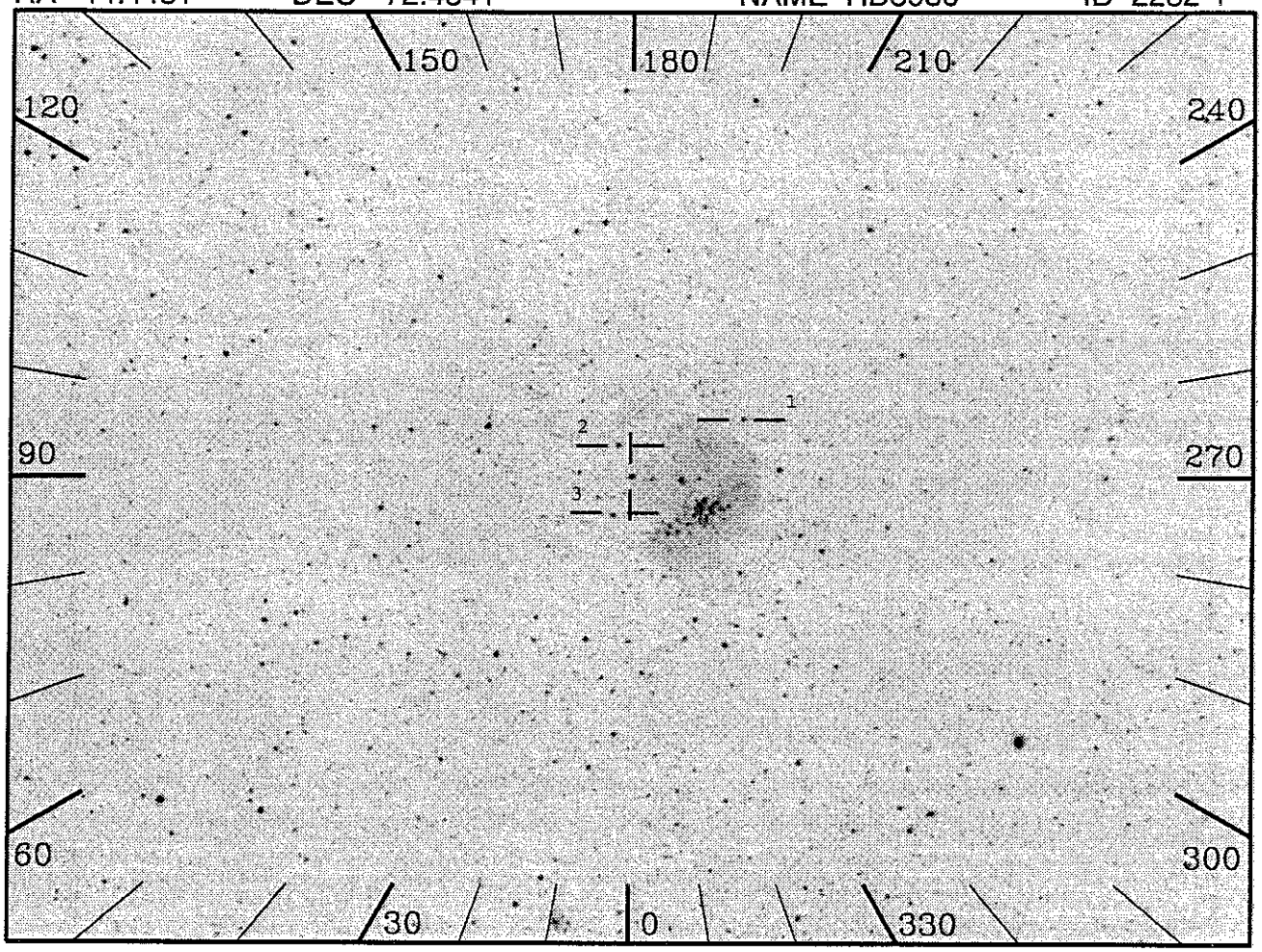
OBJECT: 10CAS
KEYWORDS: Emission line star
COMMENTS:
V=5.59 B-V=-0.03 E(B-V)=0.05 spectype=B9III
Calibrations: Two dithers to single scan mode for
300 sec each
Flux_1565 = 5.815e-11
Initial_expected_rate = 1513 cts/sec



ID: 2273-1 W=Prime SciPgm= W31
Names: 10CAS HD144
Info: B9IIIe V= 5.6 Wupmag=4.86
% Pol: 0.85%
Pos Ang: 71
Mechanism: Electron scattering in CS disk
Comments:
Not a shell star. Vsini=120. Little or
no optical Balmer Jump. Late spec type.
IUE data used for simulated spectrum is
that of Xi2-Cet (0604).

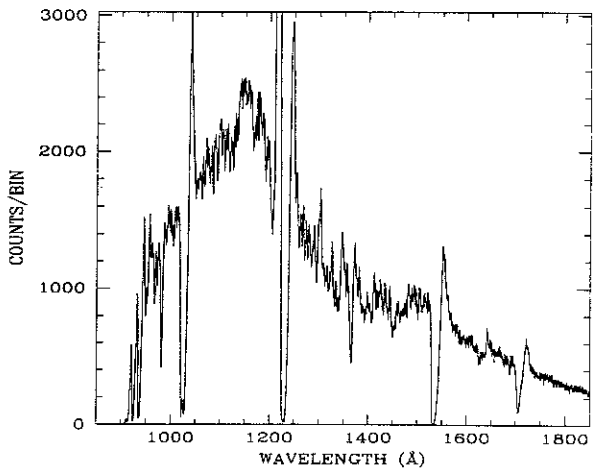


RA 14.4431 DEC -72.4341 NAME HD5980 ID 2282-1

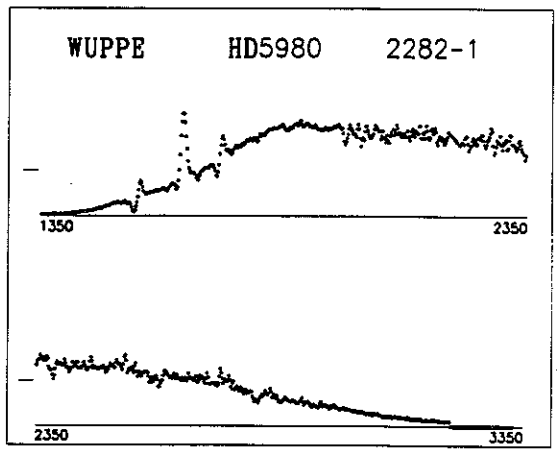


20", 1000(s), Day

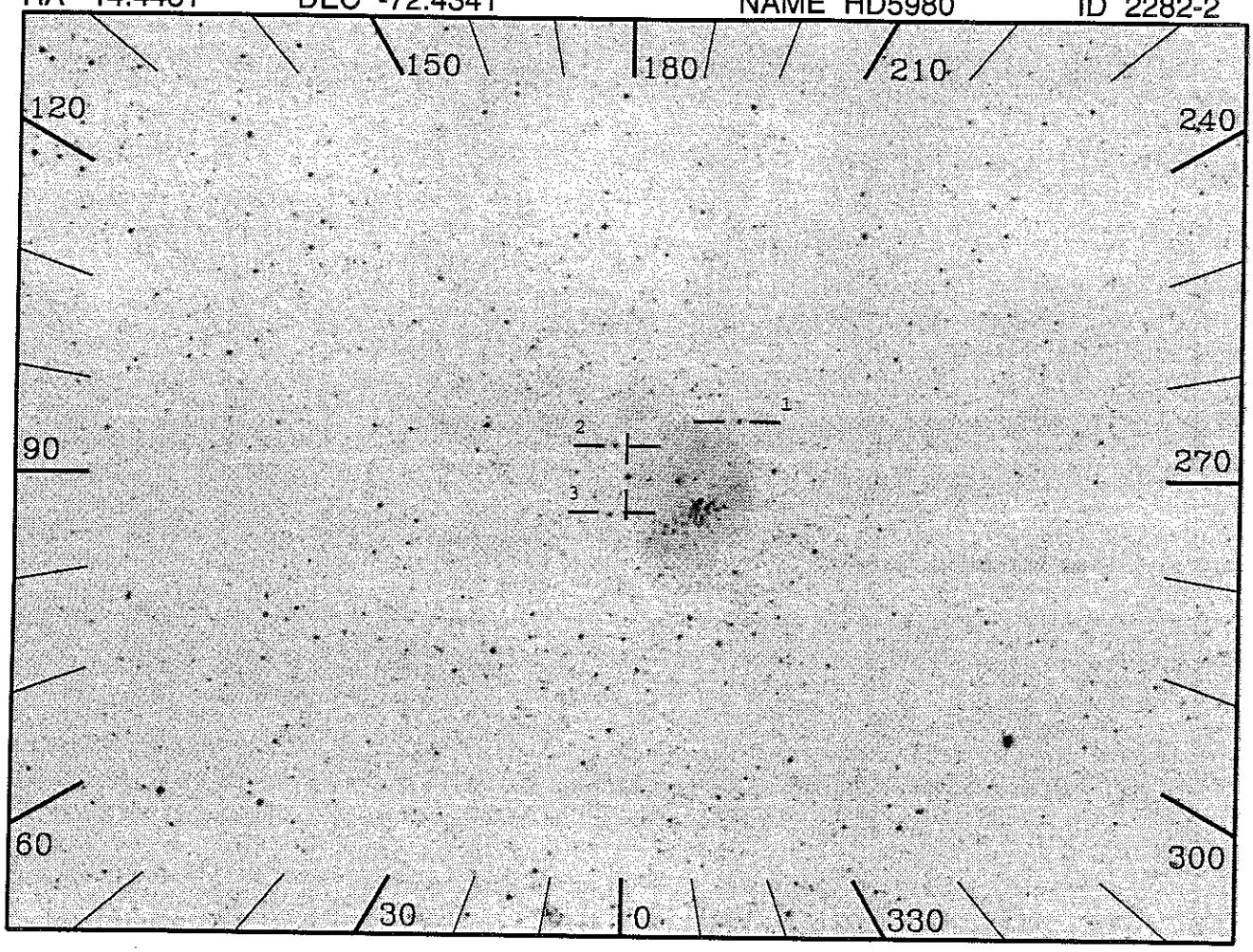
OBJECT: 2282 HD5980
KEYWORDS: Wolf Rayet Star; luminous blue variable
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Star is of particular interest because if is the only WR star ever observed to show outbursts typical of a luminous blue variable.



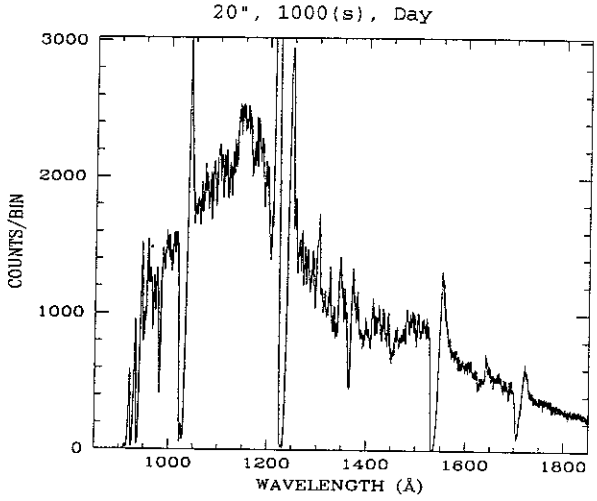
ID: 2282-1 H=Prime SciPgm= G15
Names: HD5980 AV229
Info: WR V=10 Wupmag=8.40
% Pol:
Pos Ang:
Mechanism: Electron scattering?
Comments:
Currently in LBV-like outburst. Heavily reddened, and UV mag may be quite low. HST polarization measurements were very low. HST follow-up.



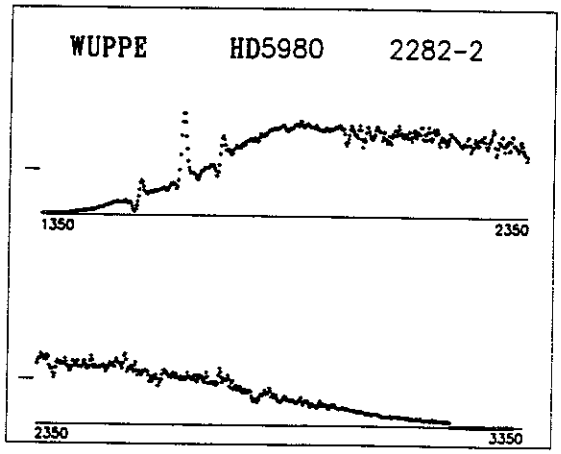
RA 14.4431 DEC -72.4341 NAME HD5980 ID 2282-2



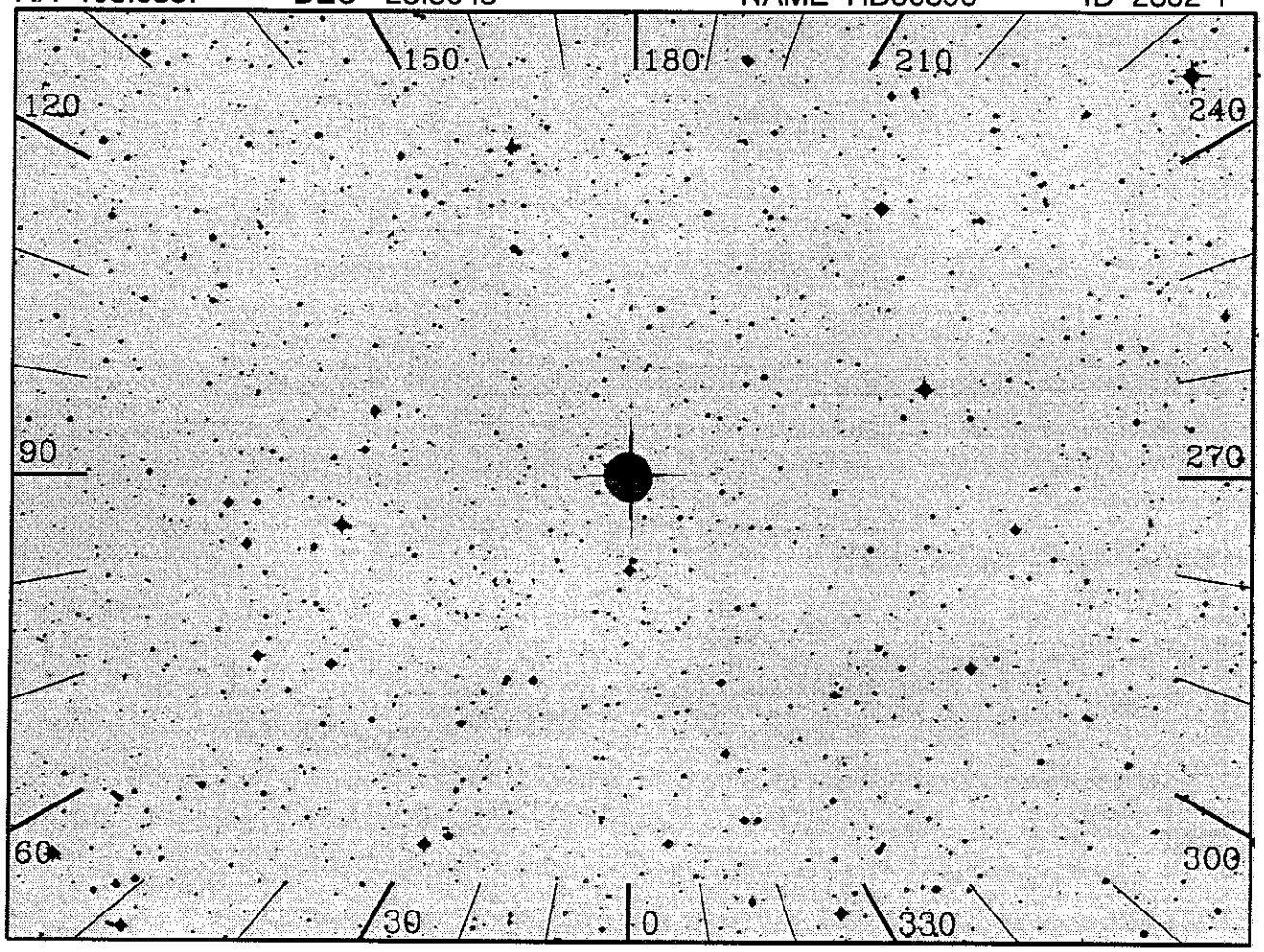
OBJECT: 2282 HD5980
KEYWORDS: Wolf Rayet Star; luminous blue variable
COMMENTS:
The scientific purpose of this observation is to obtain a high S/N spectrum of this O star in order to carry out detailed modelling of the stellar atmosphere/wind. Star is in SMC. Star is of particular interest because if is the only WR star ever observed to show outbursts typical of a luminous blue variable.



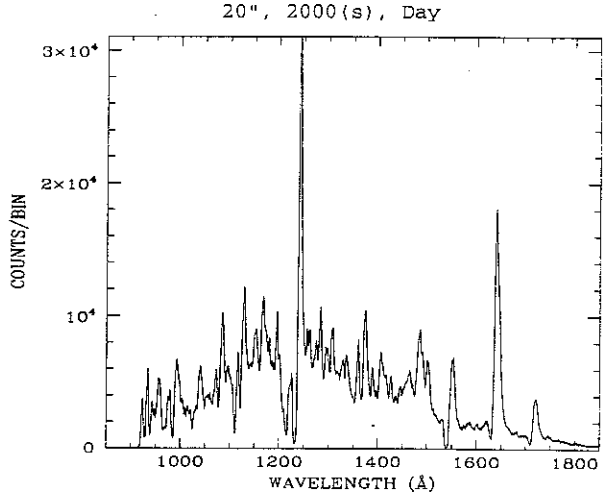
ID: 2282-2 W=Prime SciPgm= W32
Names: HD5980
Info: WR V=10 Wupmag=8.40
% Pol:
Pos Ang:
Mechanism: Electron scattering?
Comments:
Currently in LBV-like outburst. Heavily reddened, and UV mag may be quite low. HST polarization measurements were very low. HST follow-up.



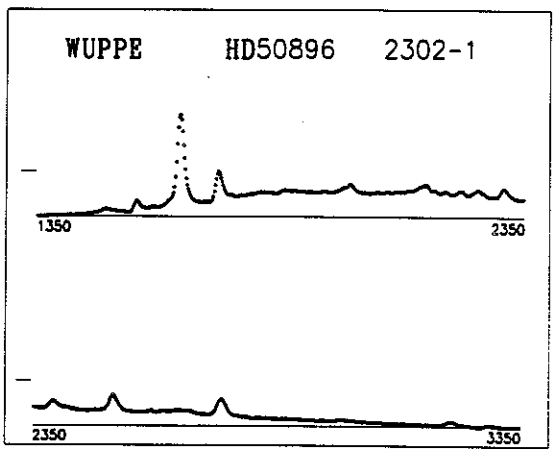
RA 103.0337 DEC -23.8643 NAME HD50896 ID 2302-1



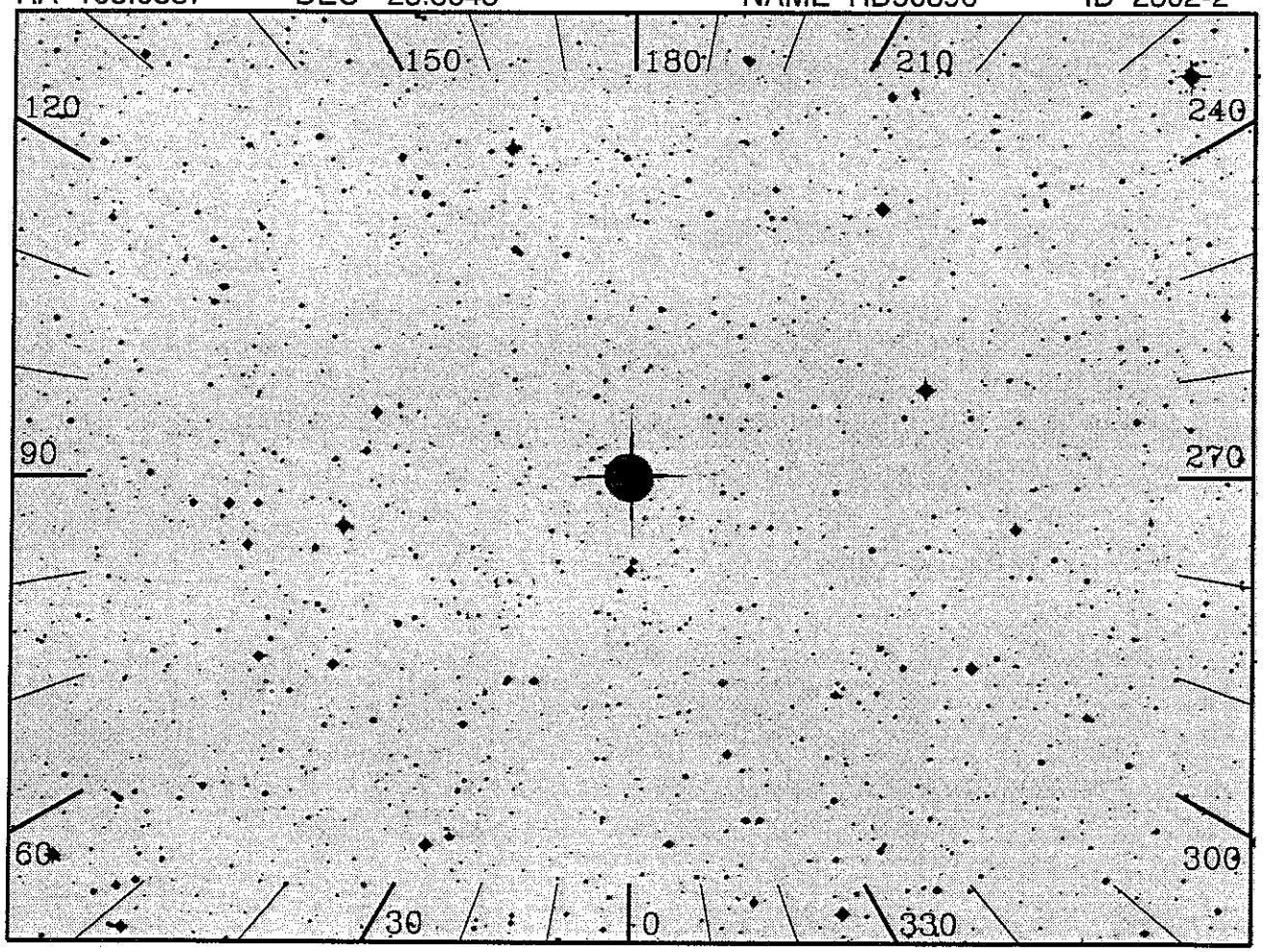
OBJECT: 2302 HD50896 (WR6)
KEYWORDS: WN 5
COMMENTS:
Hutsim of Astro-1 spectrum plus model.
Variations possible.



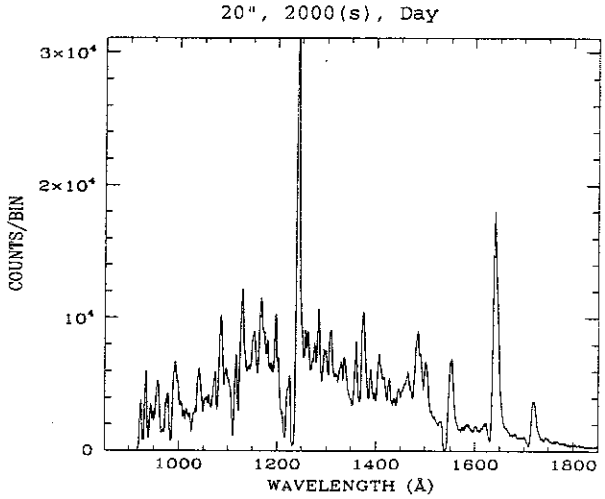
ID: 2302-1 W=Prime SciPgm= G32
Names: HD50896 WR6
Info: WN5+? V= 6.9 Wupmag=2.49
% Pol: 0.84 (Astro-1)
Pos Ang: 151.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1; line effect; pol varies with phase, sometimes periodic .2%<P<.9%, p=3.6d, also longer-term variations. Binary with neutron star companion or inhomogeneous, rotating disk around star? NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



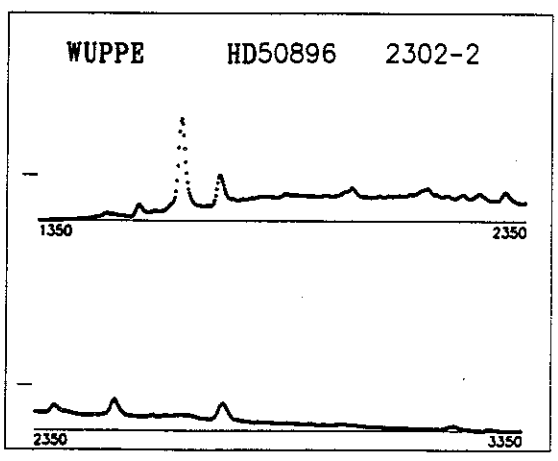
RA 103.0337 DEC -23.8643 NAME HD50896 ID 2302-2



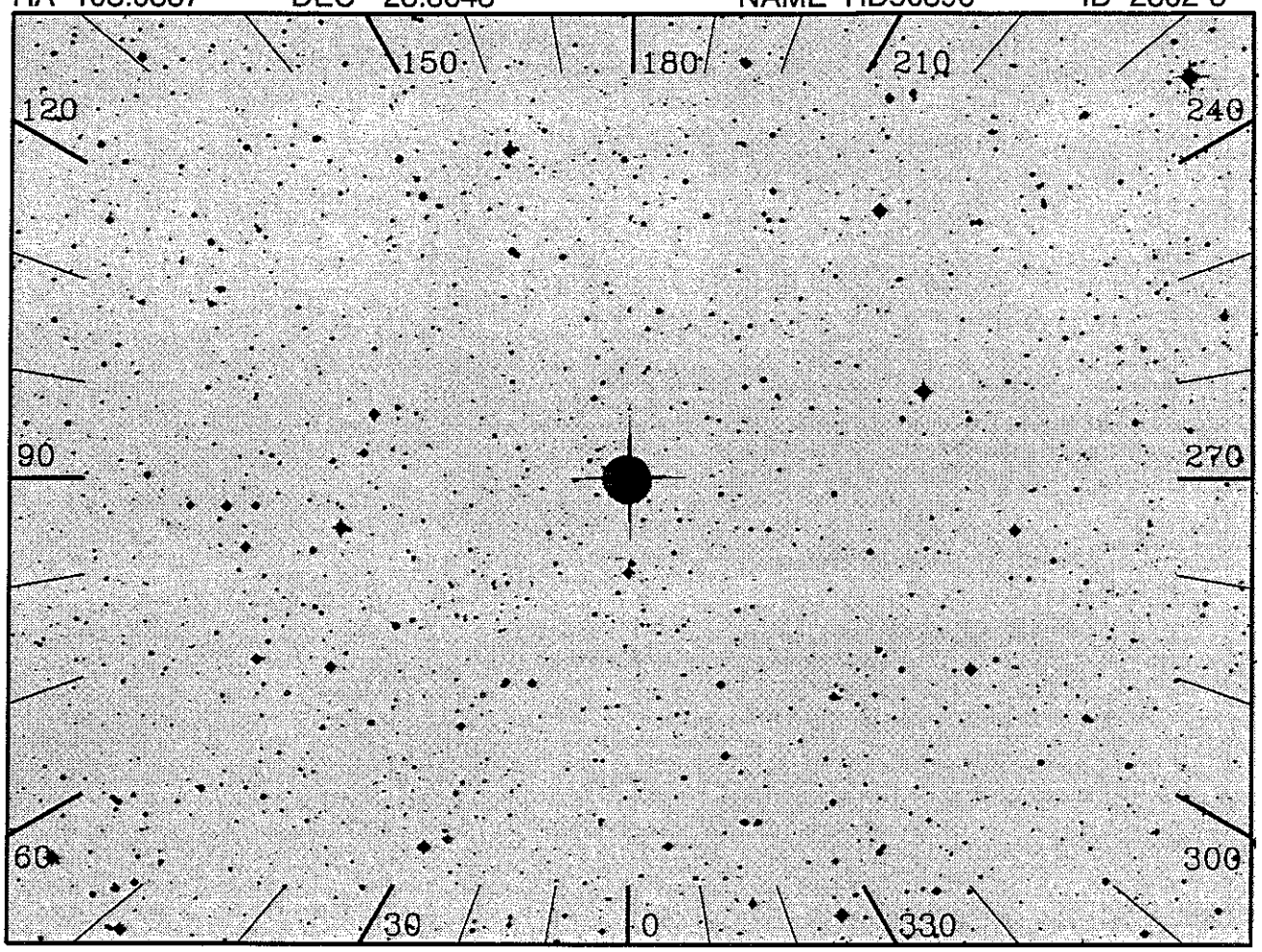
OBJECT: 2302 HD50896 (WR6)
KEYWORDS: WN 5
COMMENTS:
Hutsim of Astro-1 spectrum plus model.
Variations possible.



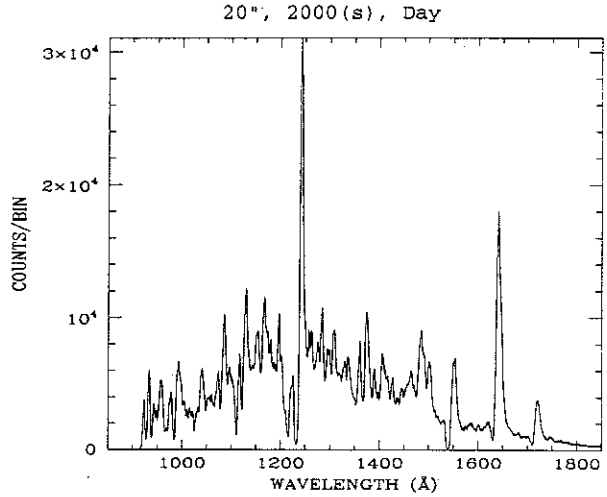
ID: 2302-2 W=Prime SciPgm= G32
Names: HD50896 WR6
Info: WN5+? V= 6.9 Wupmag=2.49
% Pol: 0.84 (Astro-1)
Pos Ang: 151.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1; line effect; pol varies with phase, sometimes periodic .2%<P<.9%, p=3.6d, also longer-term variations. Binary with neutron star companion or inhomogeneous, rotating disk around star? NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



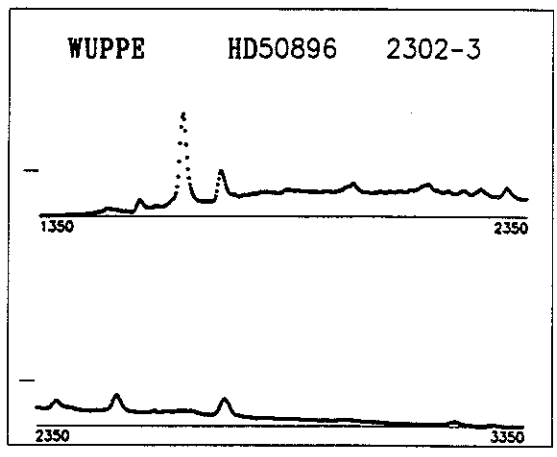
RA 103.0337 DEC -23.8643 NAME HD50896 ID 2302-3



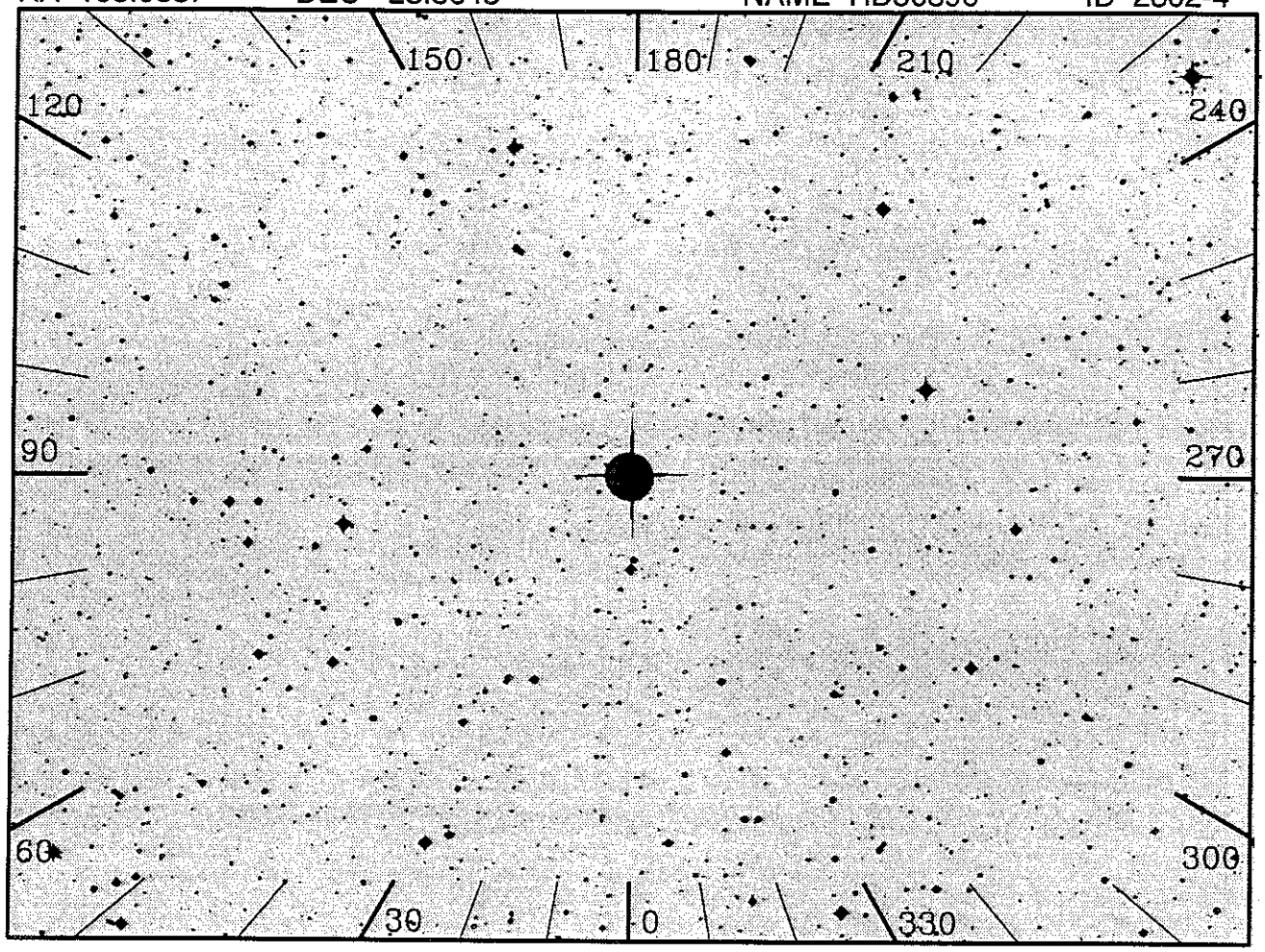
OBJECT: 2302 HD50896 (WR6)
KEYWORDS: WN 5
COMMENTS:
Hutsim of Astro-1 spectrum plus model.
Variations possible.



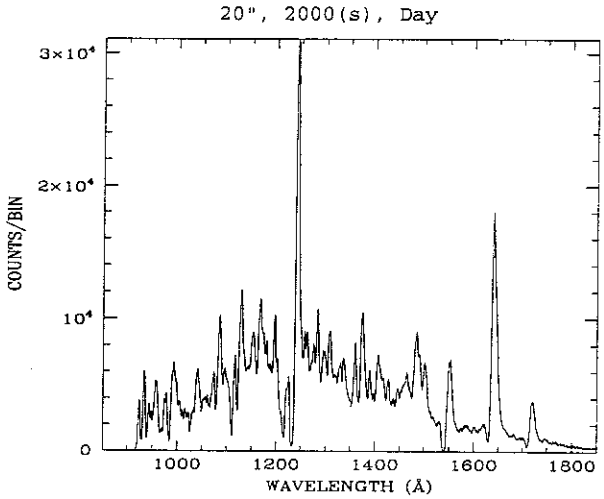
ID: 2302-3 W=Prime SciPgm= G32
Names: HD50896 WR6
Info: WN5+? V= 6.9 Wupmag=2.49
% Pol: 0.84 (Astro-1)
Pos Ang: 151.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1; line effect; pol varies with phase, sometimes periodic .2%<P<.9%, p=3.6d, also longer-term variations. Binary with neutron star companion or inhomogeneous, rotating disk around star? NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.



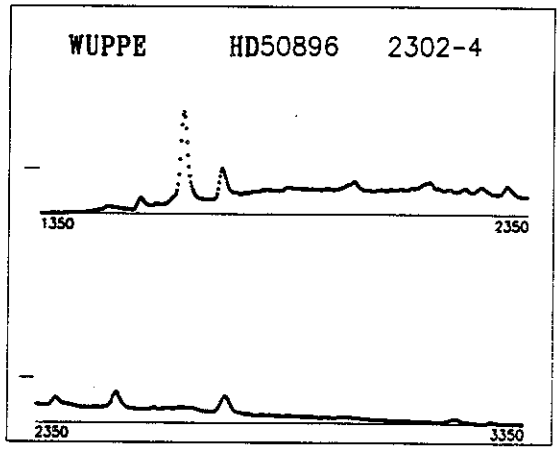
RA 103.0337 DEC -23.8643 NAME HD50896 ID 2302-4



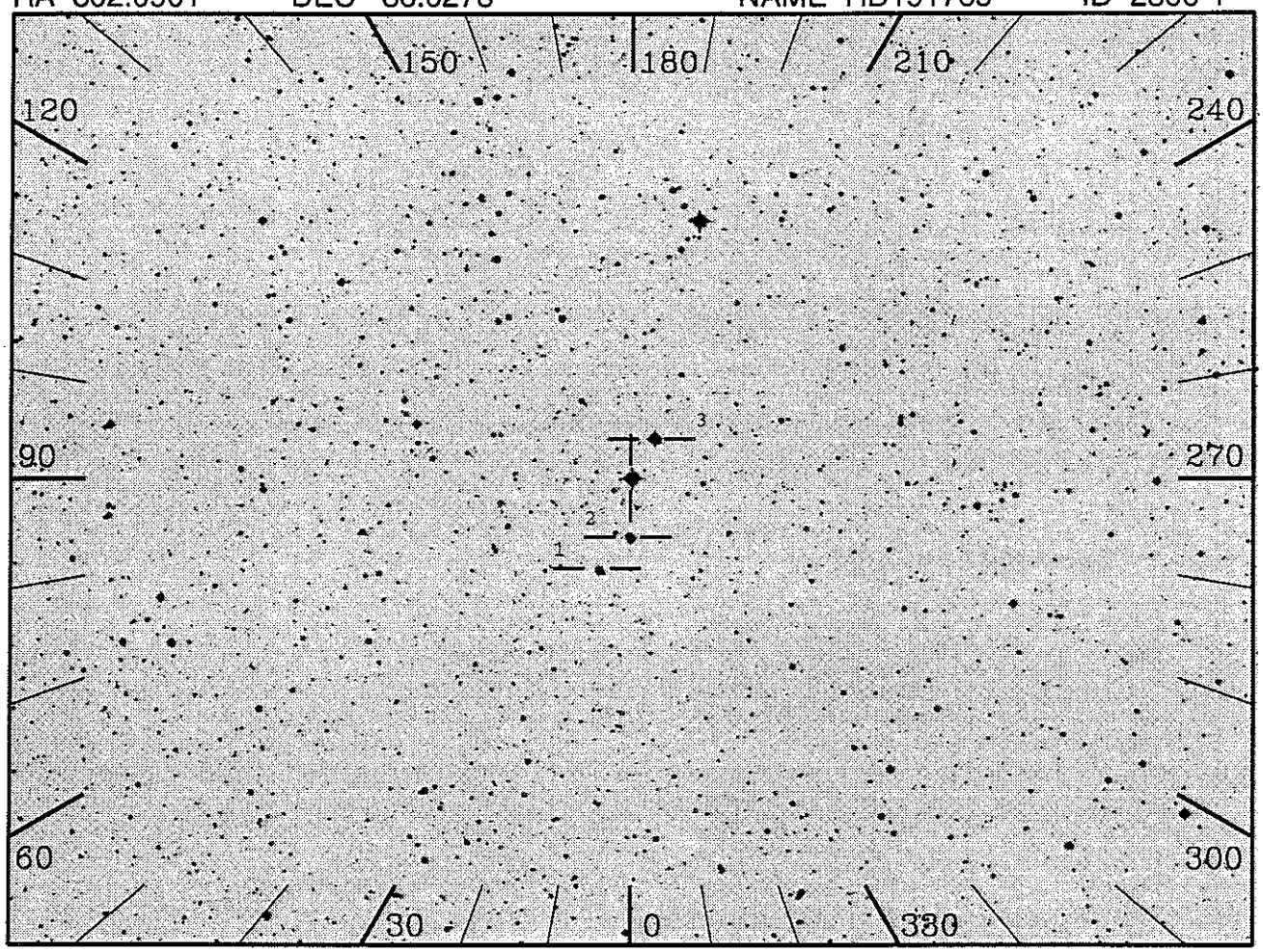
OBJECT: 2302 HD50896 (WR6)
KEYWORDS: WN 5
COMMENTS:
Hutsim of Astro-1 spectrum plus model.
Variations possible.



ID: 2302-4 W=Prime SciPgm= G32
Names: HD50896 WR6
Info: WN5+? V= 6.9 Wupmag=2.49
% Pol: 0.84 (Astro-1)
Pos Ang: 151.0 (Astro-1)
Mechanism: Electron scattering
Comments:
Observed during Astro-1; line effect; pol varies with phase, sometimes periodic .2%<P<.9%, p=3.6d, also longer-term variations. Binary with neutron star companion or inhomogeneous, rotating disk around star? NOTE: DETECTOR IN FAST MODE-DO NOT EXPECT ON-LINE SPECTRUM.

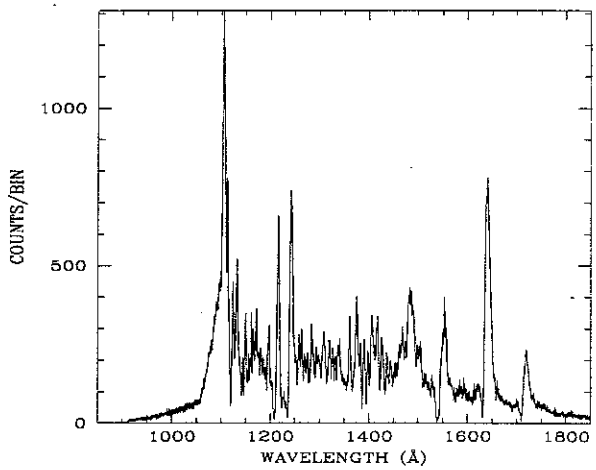


RA 302.0901 DEC 36.0278 NAME HD191765 ID 2306-1

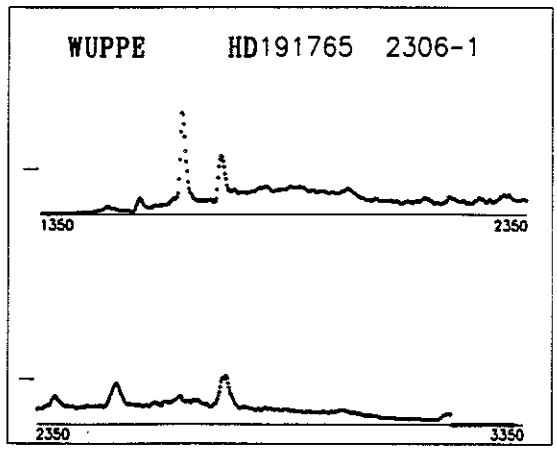


20", 2000(s), Day

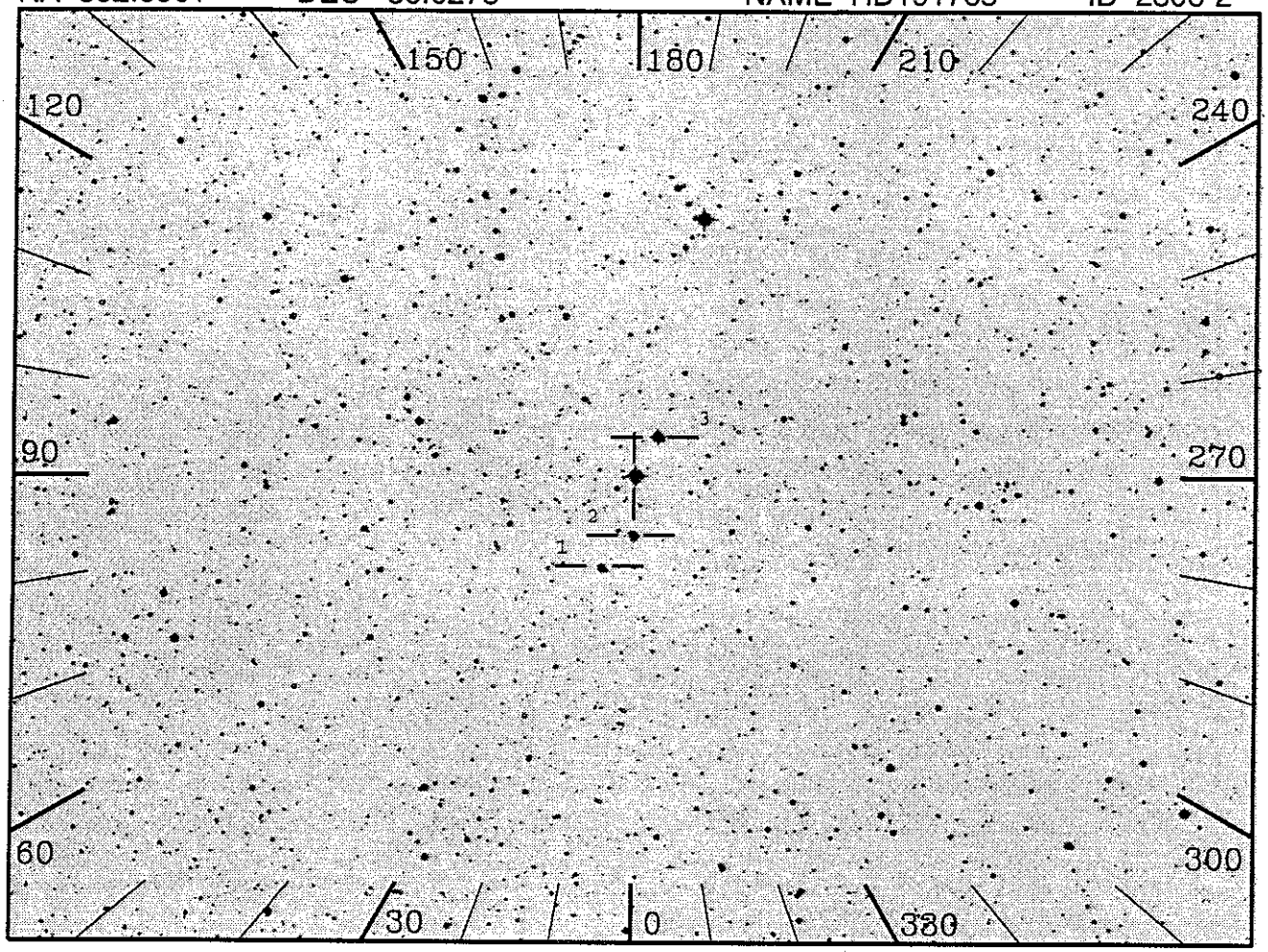
OBJECT: 2306 HD191765 (WR134)
KEYWORDS: WN 6, HD 191765
COMMENTS:
Hutsim of IUE data & Hillier model.



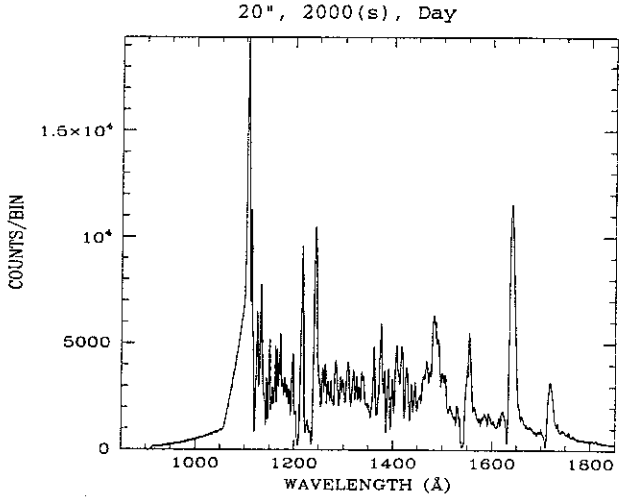
ID: 2306-1 W=Prime SciPgm= G32
Names: HD191765 WR134
Info: WN6 V= 8.3 Wupmag=5.81
% Pol: 1.00
Pos Ang: 3.0
Mechanism: Electron scattering
Comments:
Line effect at all times. Strongest em line is HeII 1640, then NIV 1718, then CIV 1550. Disk-shaped wind geometry?



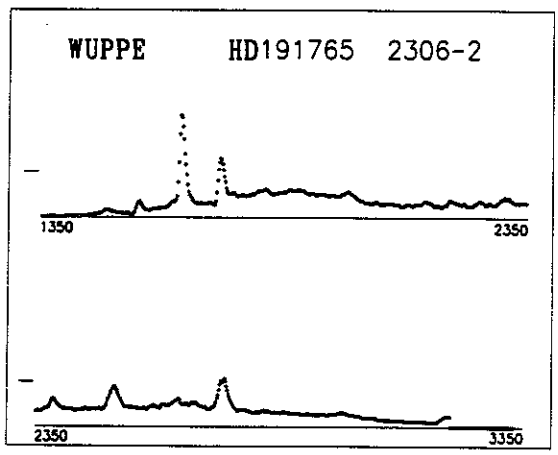
RA 302.0901 DEC 36.0278 NAME HD191765 ID 2306-2



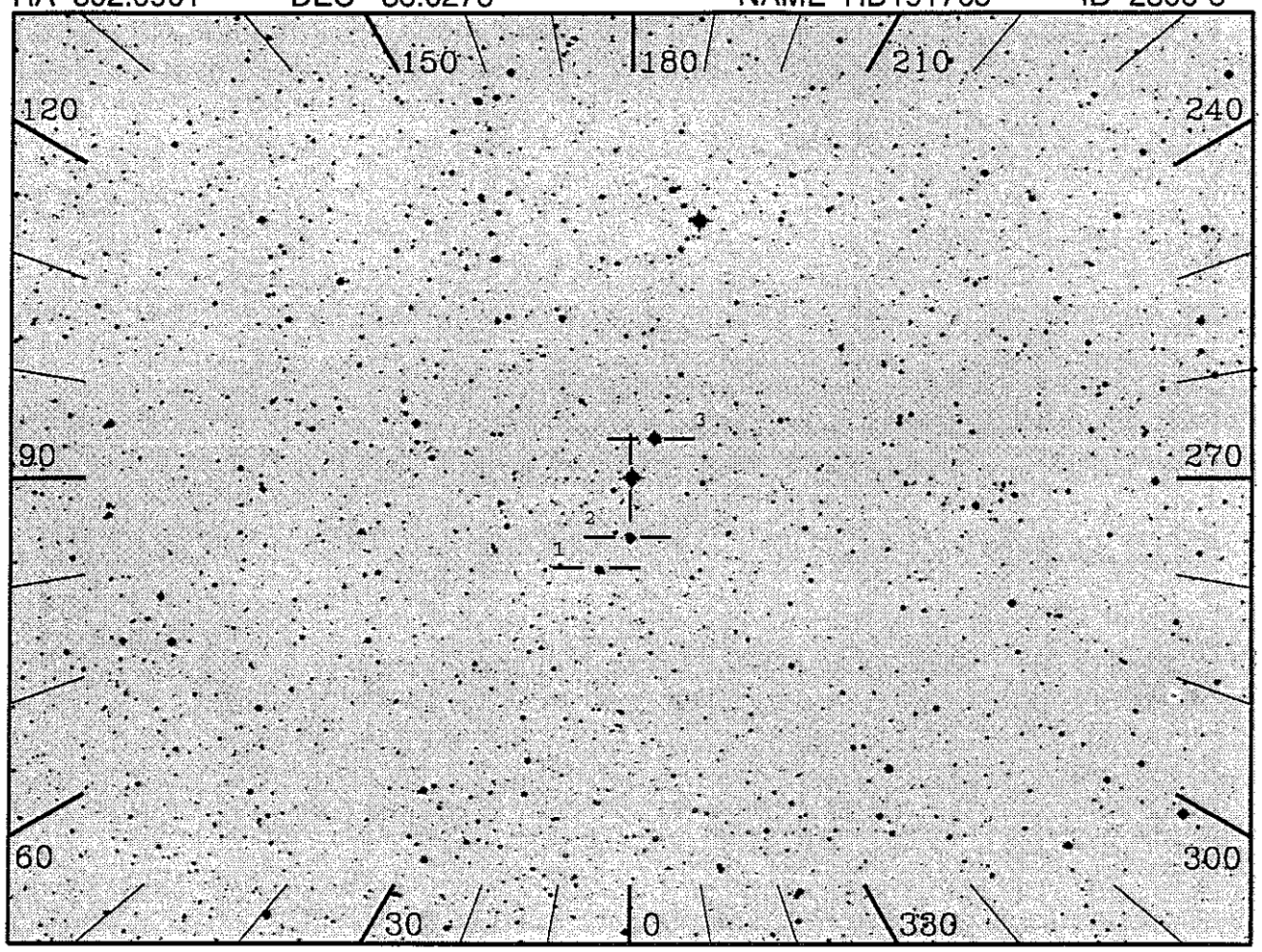
OBJECT: 2306 HD191765 (WR134)
KEYWORDS: WN 6, HD 191765
COMMENTS:
Hutsim of IUE data & Hillier model.



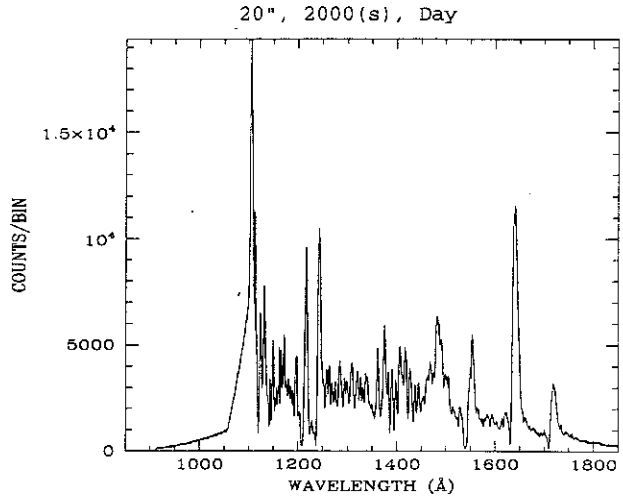
ID: 2306-2 W=Prime SciPgm= G32
Names: HD191765 WR134
Info: WN6 V= 8.3 Wupmag=5.81
% Pol: 1.00
Pos Ang: 3.0
Mechanism: Electron scattering
Comments:
Line effect at all times. Strongest em line is HeII 1640, then NIV 1718, then CIV 1550. Disk-shaped wind geometry?



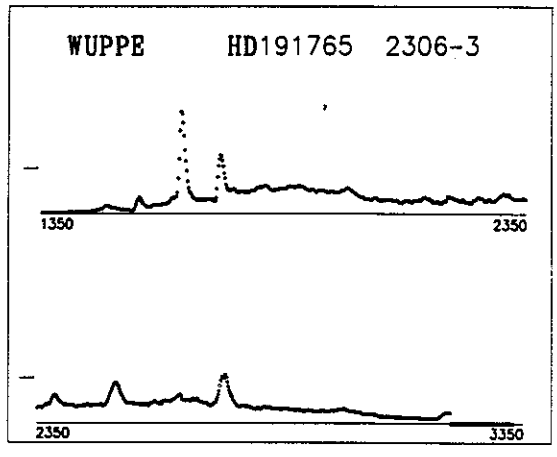
RA 302.0901 DEC 36.0278 NAME HD191765 ID 2306-3



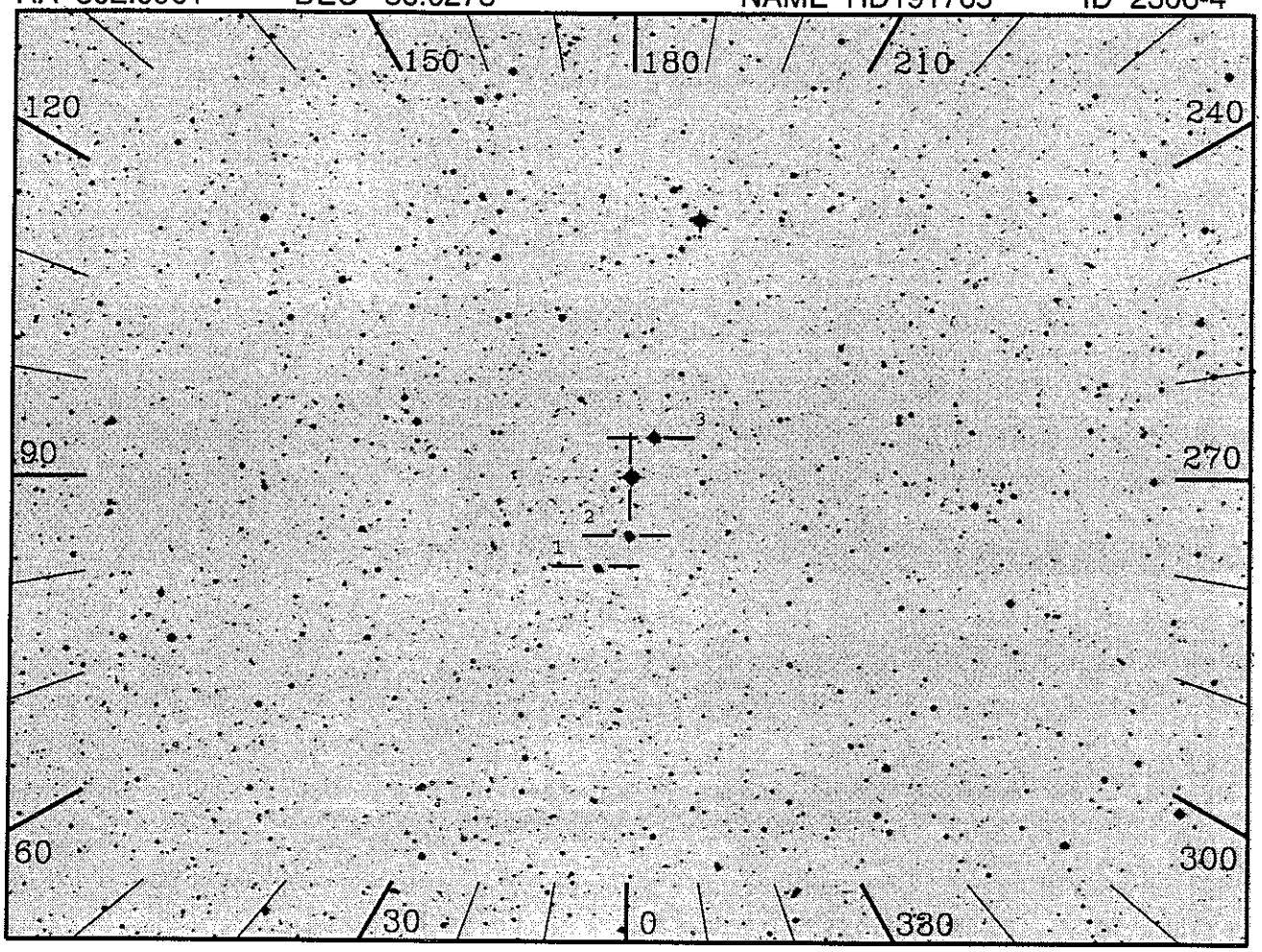
OBJECT: 2306 HD191765 (WR134)
KEYWORDS: WN 6, HD 191765
COMMENTS:
Hutsim of IUE data & Hillier model.



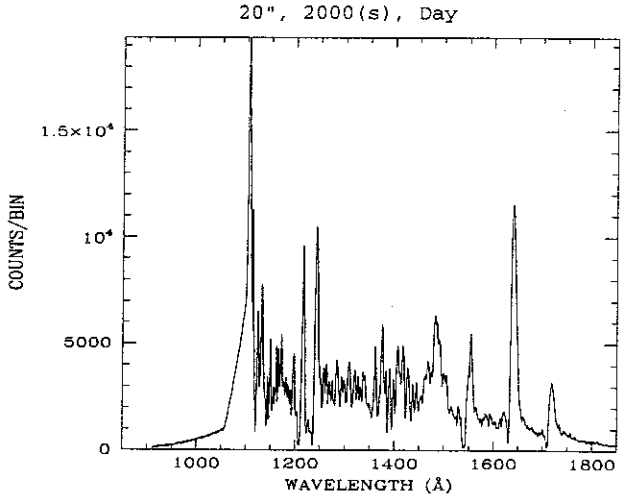
ID: 2306-3 W=Prime SciPgm= G32
Names: HD191765 WR134
Info: WN6 V= 8.3 Wupmag=5.81
% Pol: 1.00
Pos Ang: 3.0
Mechanism: Electron scattering
Comments:
Line effect at all times. Strongest em line is HeII 1640, then NIV 1718, then CIV 1550. Disk-shaped wind geometry?



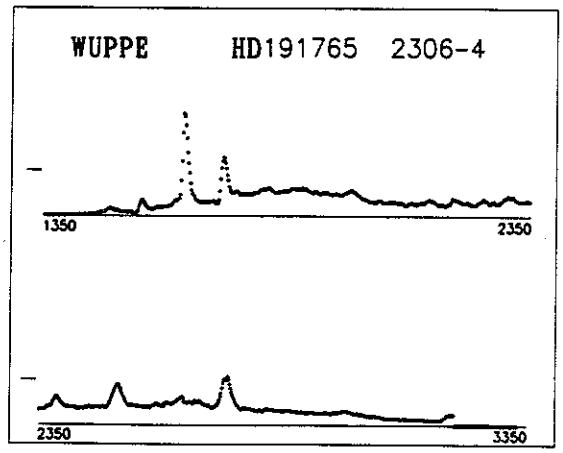
RA 302.0901 DEC 36.0278 NAME HD191765 ID 2306-4



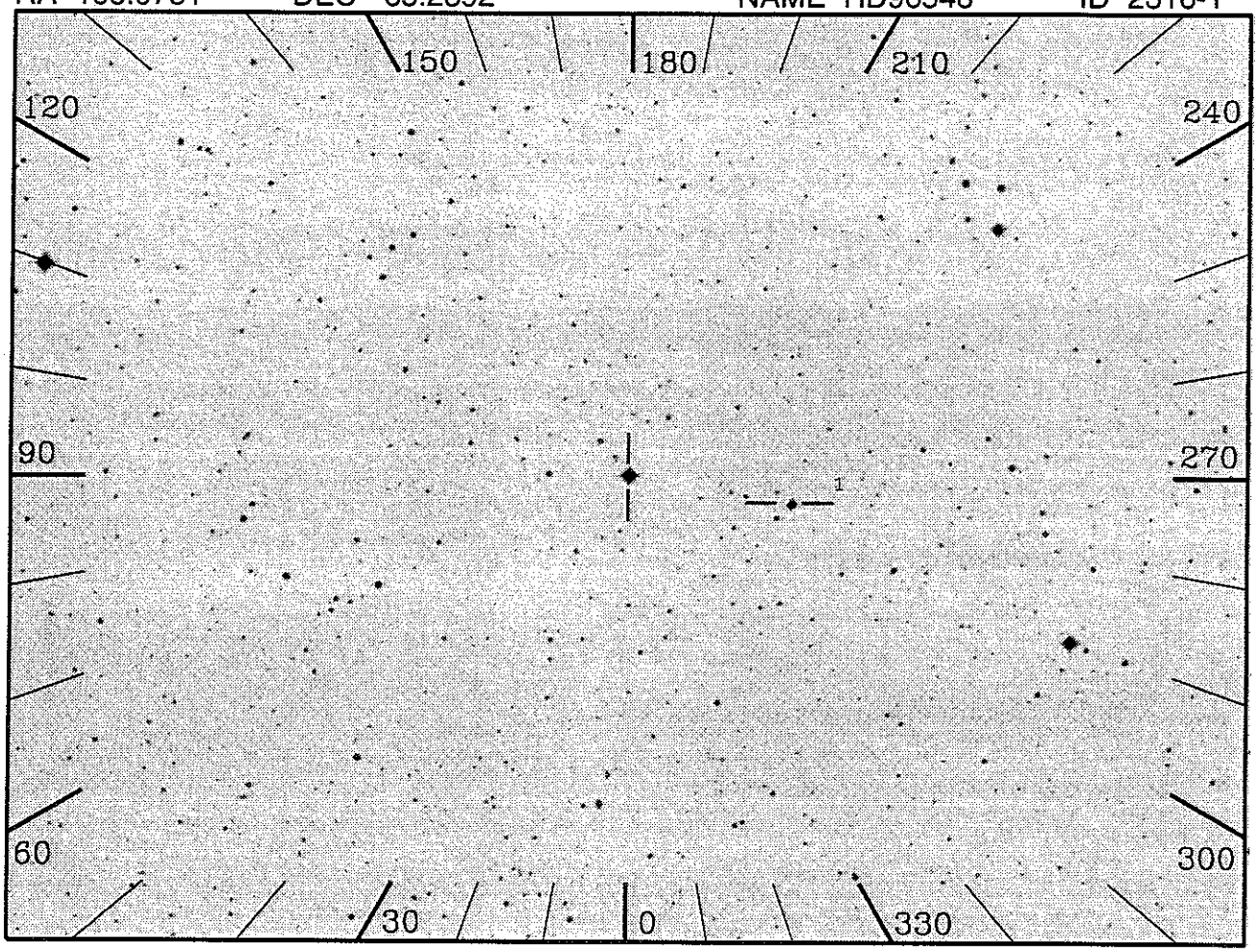
OBJECT: 2306 HD191765 (WR134)
KEYWORDS: WN 6, HD 191765
COMMENTS:
Hutsim of IUE data & Hillier model.



ID: 2306-4 W=Prime SciPgm= G32
Names: HD191765 WR134
Info: WN6 V= 8.3 Wupmag=5.81
% Pol: 1.00
Pos Ang: 3.0
Mechanism: Electron scattering
Comments:
Line effect at all times. Strongest em line is HeII 1640, then NIV 1718, then CIV 1550. Disk-shaped wind geometry?

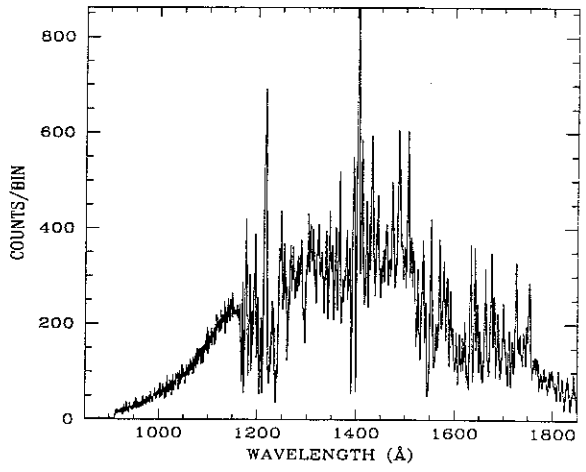


RA 166.0751 DEC -65.2392 NAME HD96548 ID 2316-1

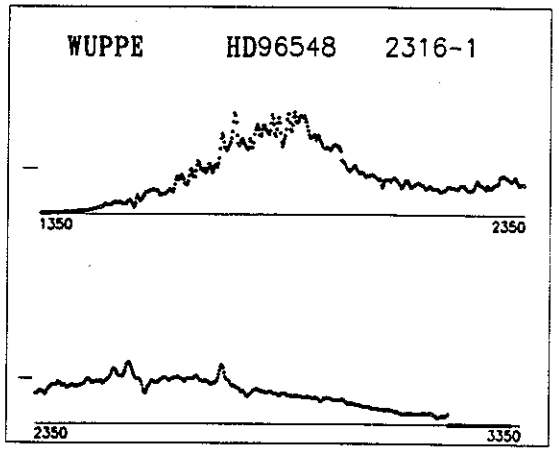


20", 2000(s), Day

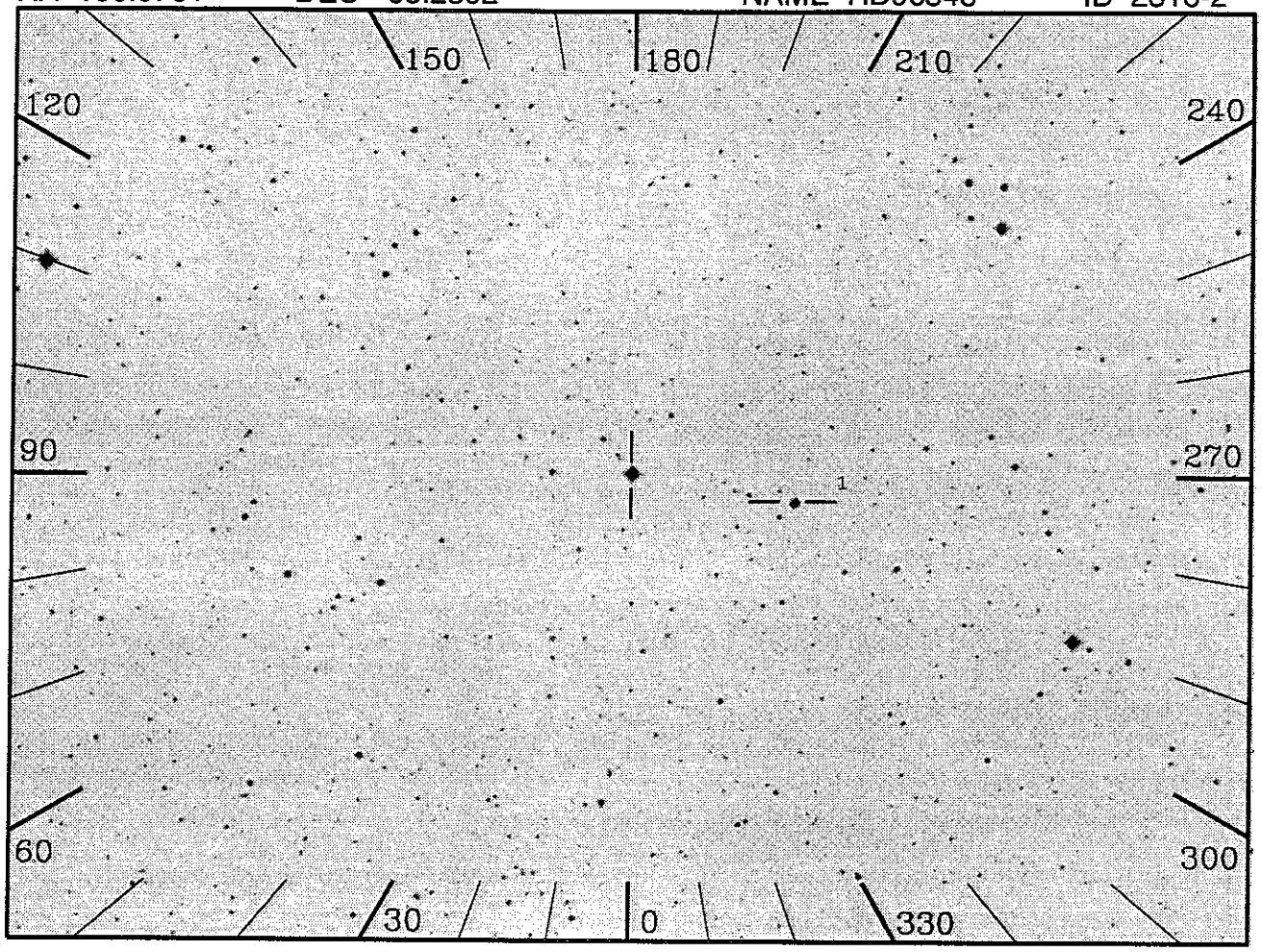
OBJECT: 2316 HD96548 (WR 40)
KEYWORDS: WN 8, HD 96548
COMMENTS:
Hutsim of IUE data & Hillier model.



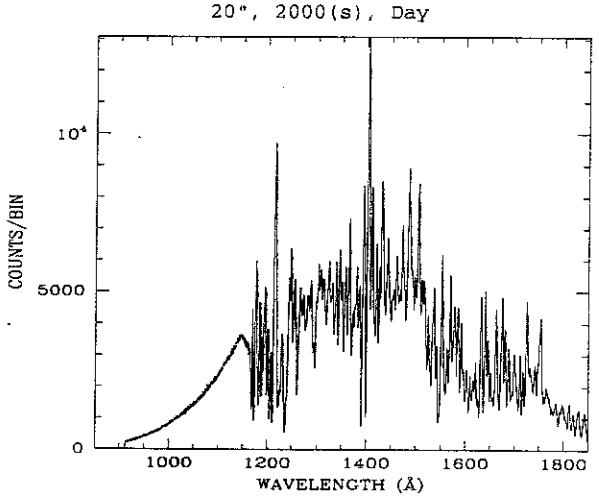
ID: 2316-1 W=Prime SciPgm= G32
Names: HD96548 WR40
Info: WN8 V= 7.9 Wupmag=5.80
% Pol: 1.30
Pos Ang: 117.7
Mechanism: Electron scattering
Comments:
Varying pol, line effect



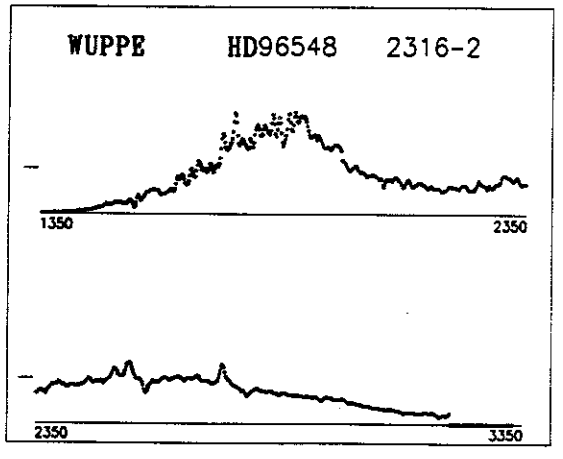
RA 166.0751 DEC -65.2392 NAME HD96548 ID 2316-2



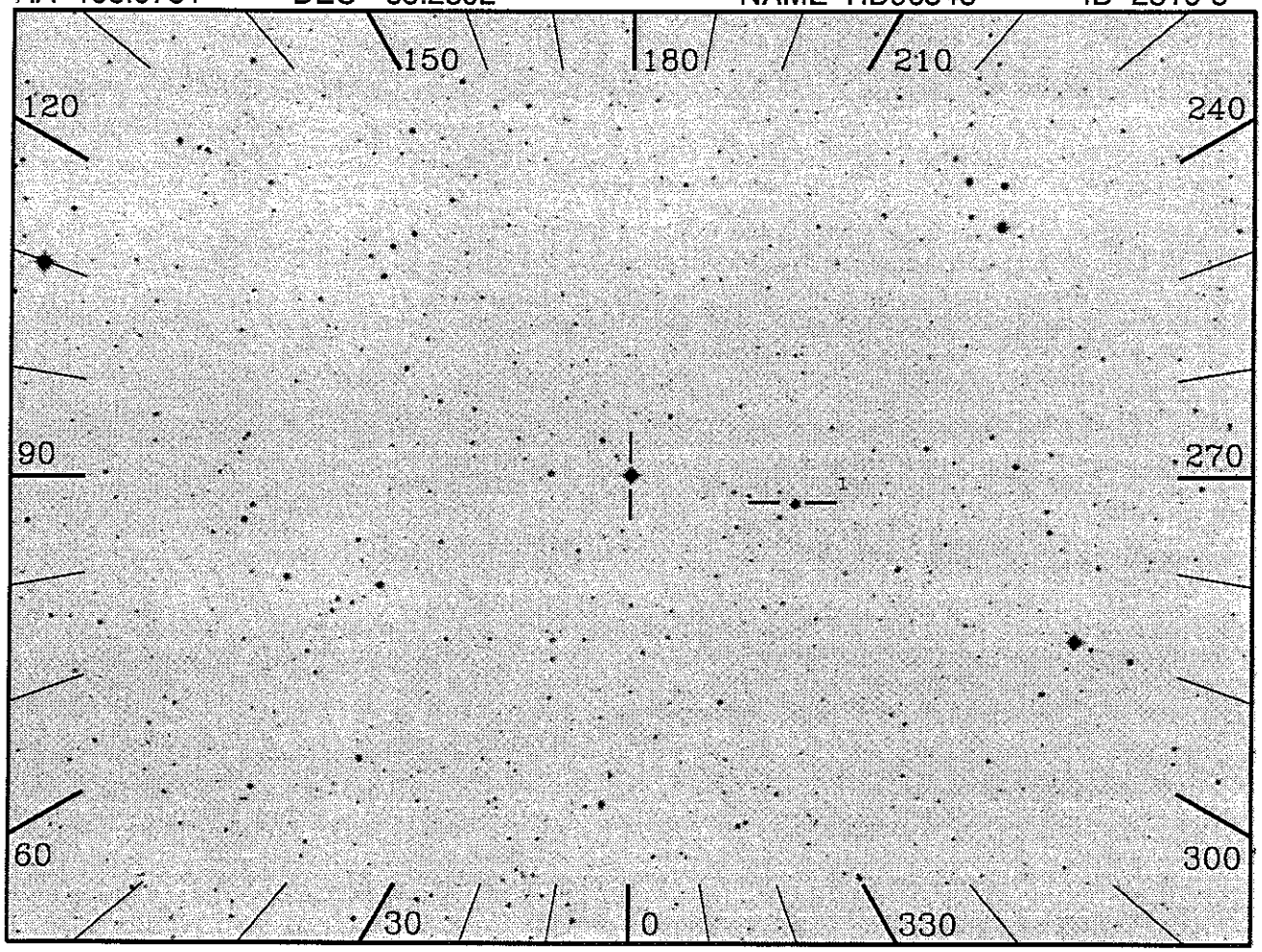
OBJECT: 2316 HD96548 (WR 40)
KEYWORDS: WN 8, HD 96548
COMMENTS:
Hutsim of IUE data & Hillier model.



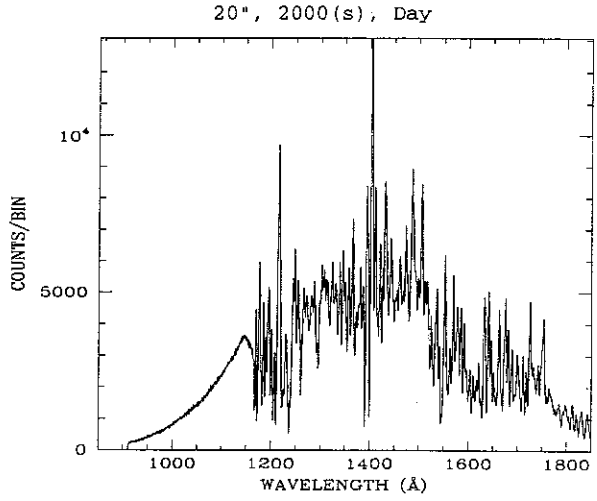
ID: 2316-2 W=Prime SciPgm= G32
Names: HD96548 WR40
Info: WN8 V= 7.9 Wupmag=5.80
% Pol: 1.30
Pos Ang: 117.7
Mechanism: Electron scattering
Comments:
Varying pol, line effect



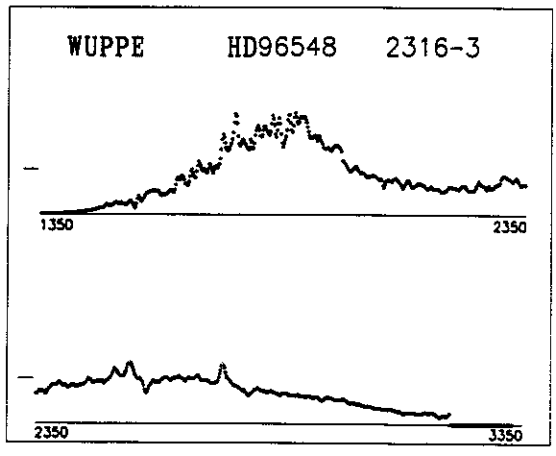
RA 166.0751 DEC -65.2392 NAME HD96548 ID 2316-3



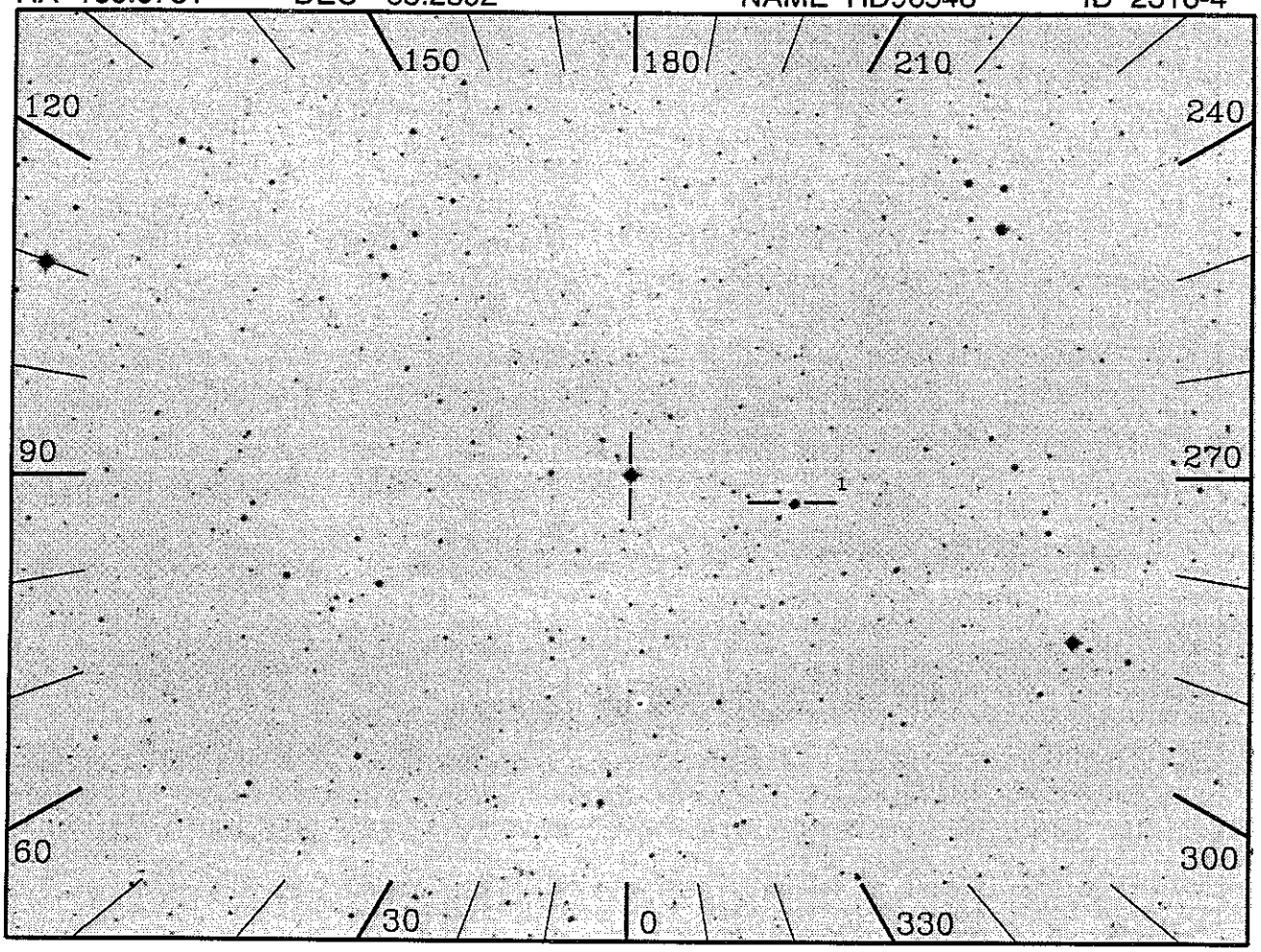
OBJECT: 2316 HD96548 (WR 40)
KEYWORDS: WN 8, HD 96548
COMMENTS:
Hutsim of IUE data & Hillier model.



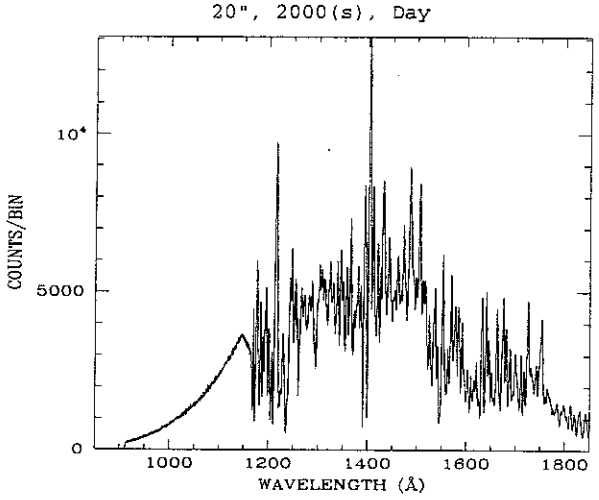
ID: 2316-3 W=Prime SciPgm= G32
Names: HD96548 WR40
Info: WN8 V= 7.9 Wupmag=5.80
% Pol: 1.30
Pos Ang: 117.7
Mechanism: Electron scattering
Comments:
Varying pol, line effect



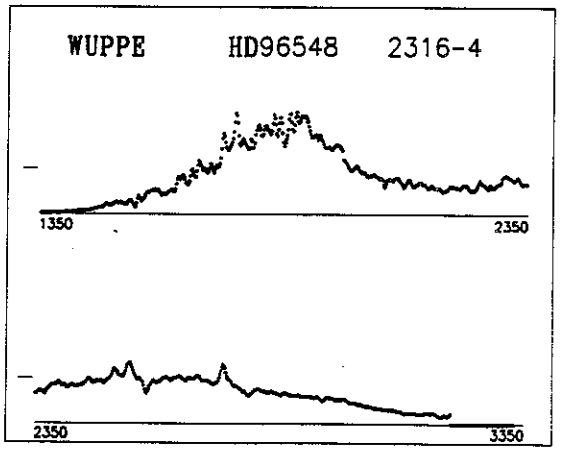
RA 166.0751 DEC -65.2392 NAME HD96548 ID 2316-4



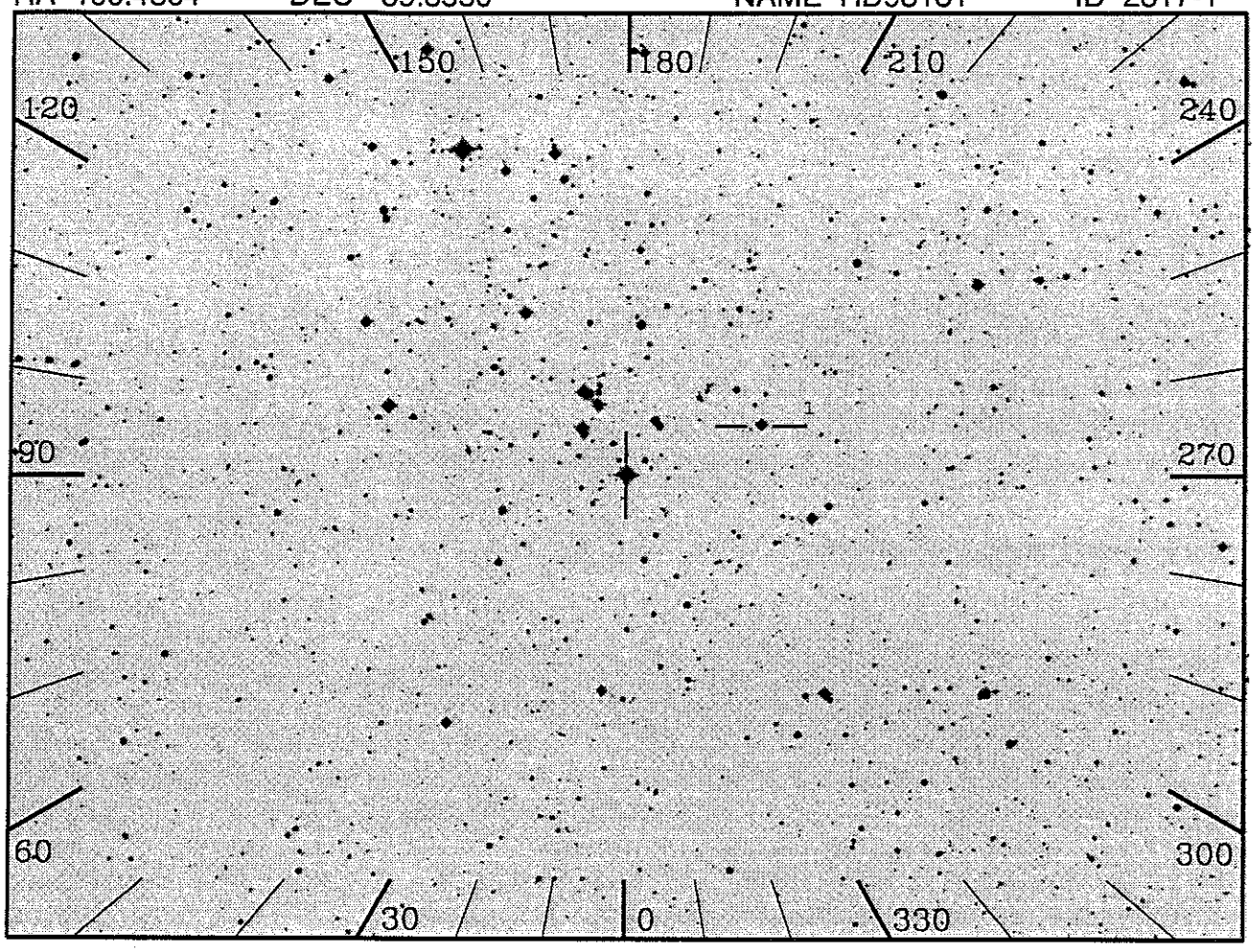
OBJECT: 2316 HD96548 (WR 40)
KEYWORDS: WN 8, HD 96548
COMMENTS:
Hutsim of IUE data & Hillier model.



ID: 2316-4 W=Prime SciPgm= G32
Names: HD96548 WR40
Info: WN8 V= 7.9 Wupmag=5.80
% Pol: 1.30
Pos Ang: 117.7
Mechanism: Electron scattering
Comments:
Varying pol, line effect

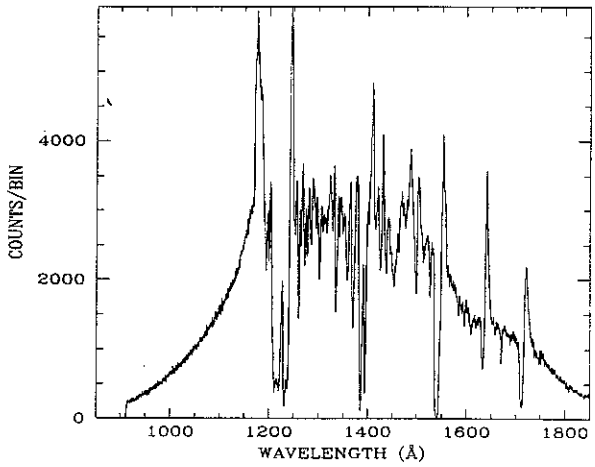


RA 160.4864 DEC -59.8550 NAME HD93131 ID 2317-1

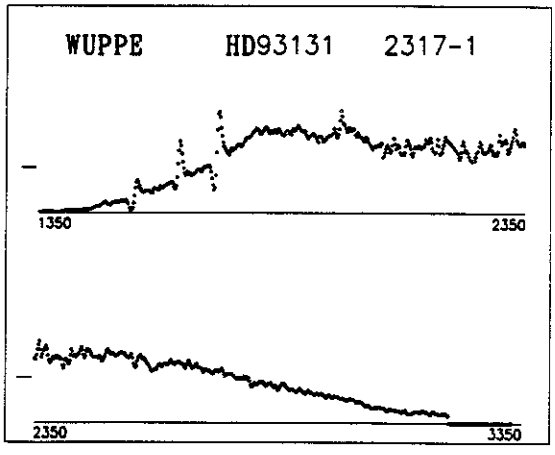


20", 2000(s), Day

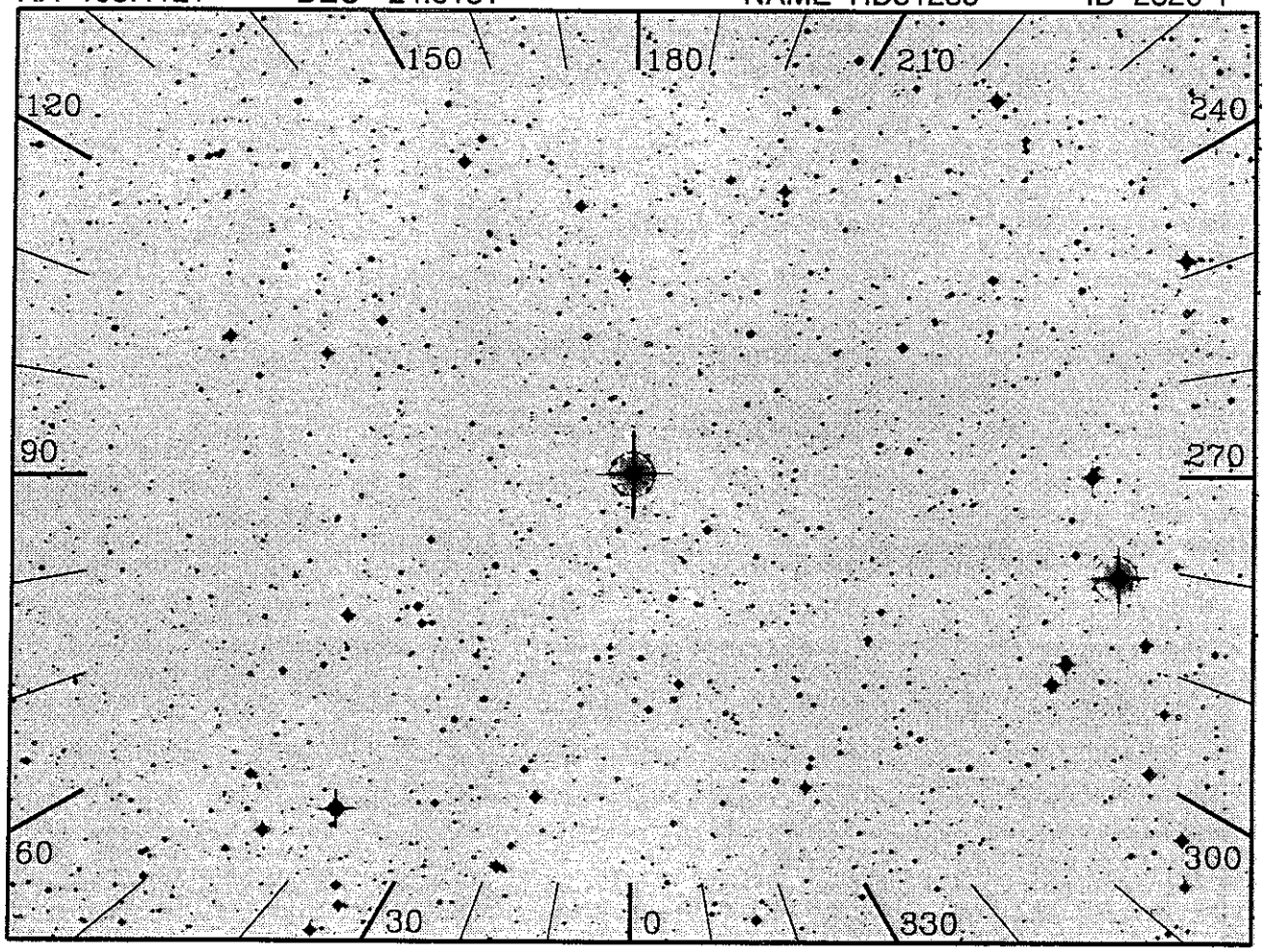
OBJECT: 2317 HD93131 (WR 24)
KEYWORDS: WN 7, HD 93131
COMMENTS:
Hutsim of IUE data & Hillier model.
IUE data taken at different times showed large variations, which are probably not real.



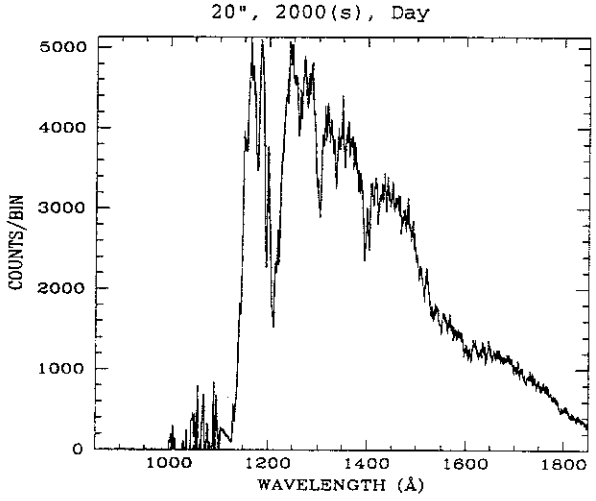
ID: 2317-1 W=Prime SciPgm= G32
Names: HD93131 WR24
Info: WN7 V= 6.5 Wupmag=3.99
% Pol: 2.95
Pos Ang: 100.0
Mechanism: Electron scattering
Comments:
Varying pol. No line effect seen in one AAT spectropol. obs.



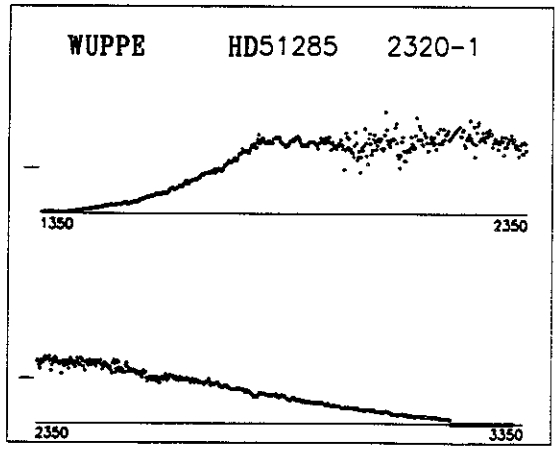
RA 103.4121 DEC -24.6131 NAME HD51285 ID 2320-1



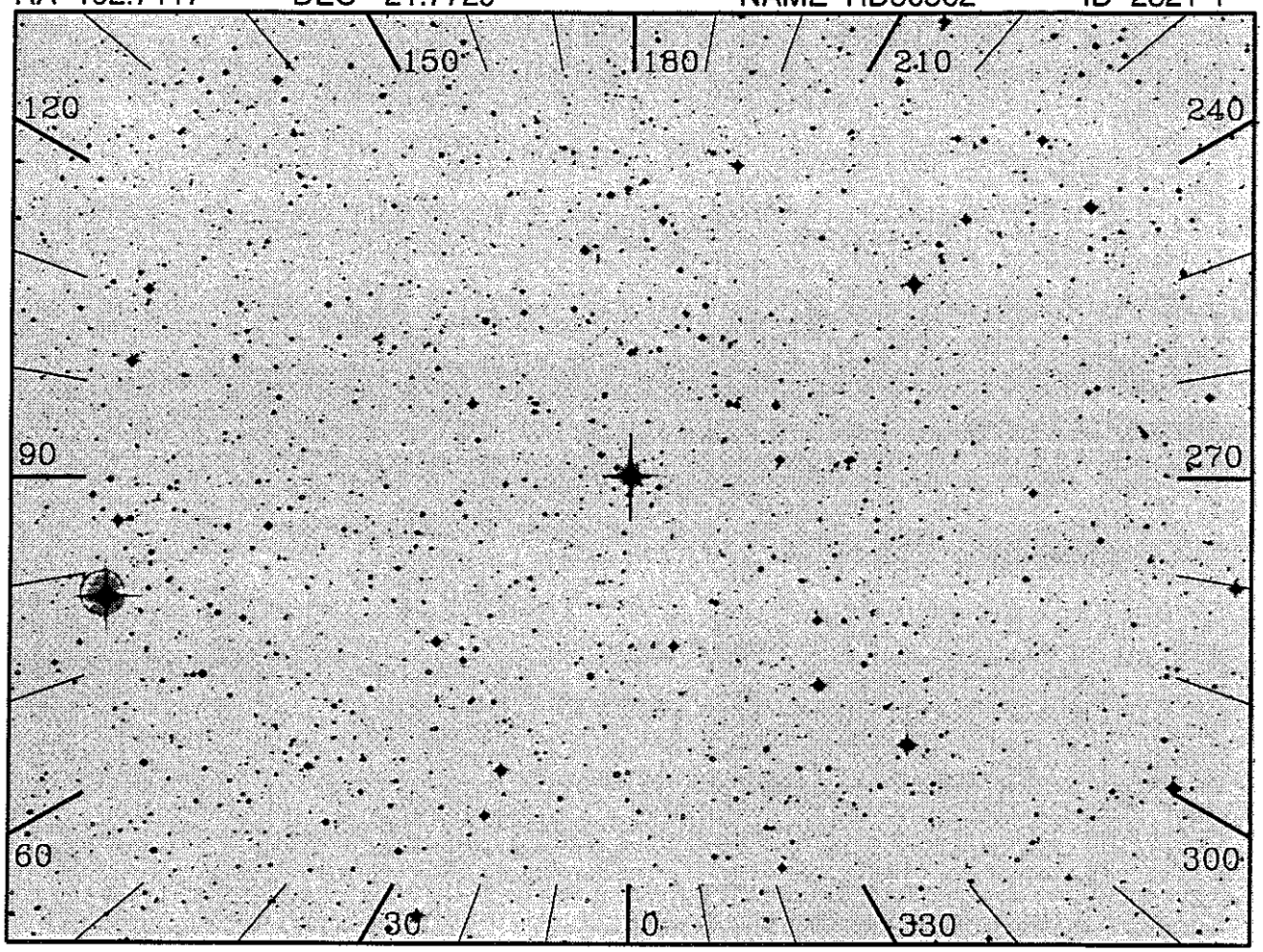
OBJECT: 2320 HD51285
KEYWORDS: B2 V
COMMENTS:
ISM probe for WR 6 = HD 50896.



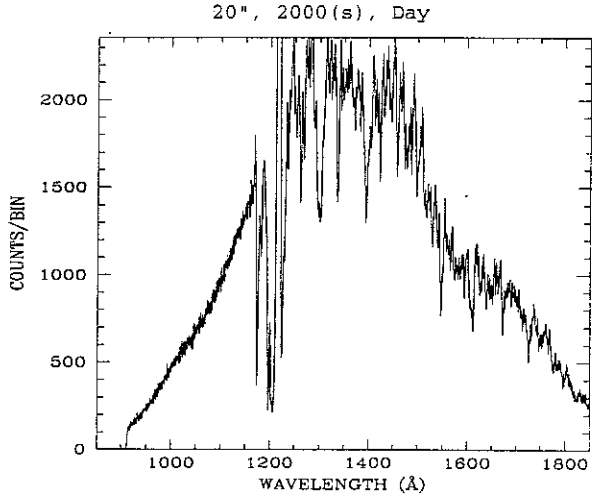
ID: 2320-1 W=Prime SciPgm= G32
Names: HD51285
Info: B2V V= 8.2 Wupmag=5.23
% Pol:
Pos Ang:
Mechanism: ISP
Comments:
Field star for HD50896 (ISM).



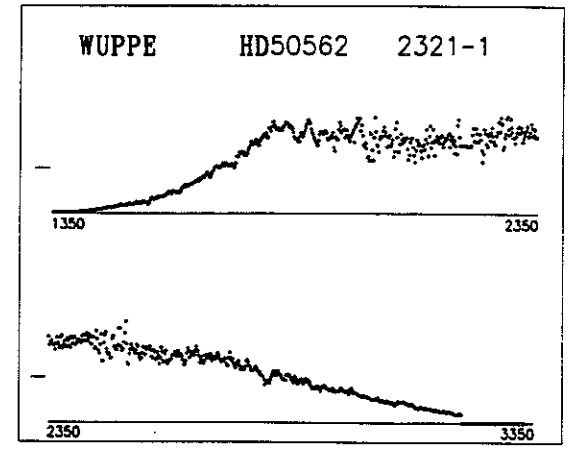
RA 102.7117 DEC -21.7729 NAME HD50562 ID 2321-1



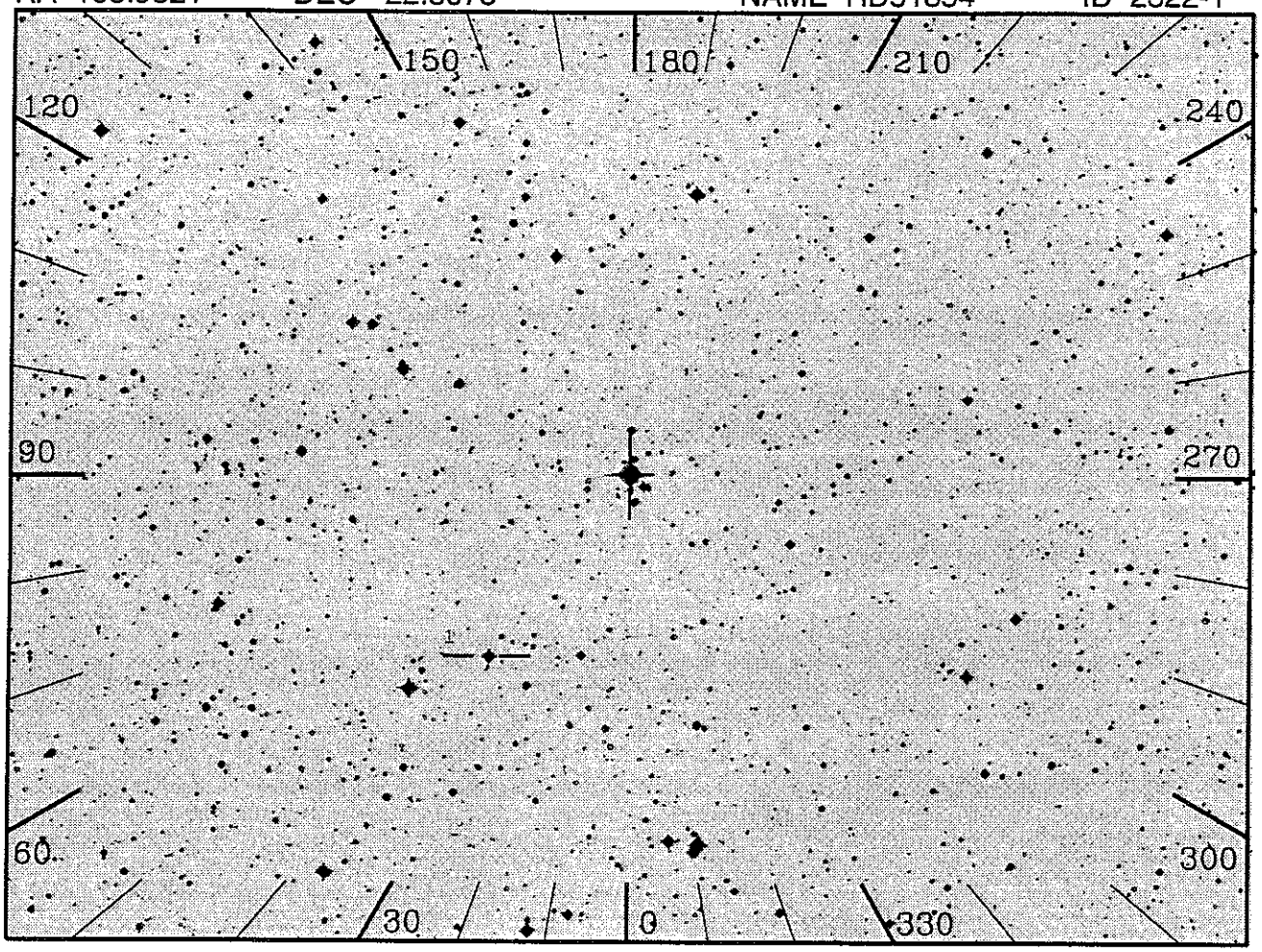
OBJECT: 2321 HD50562
KEYWORDS: B7? or B2-3 III
COMMENTS:
ISM probe for WR 6 = HD 50896.



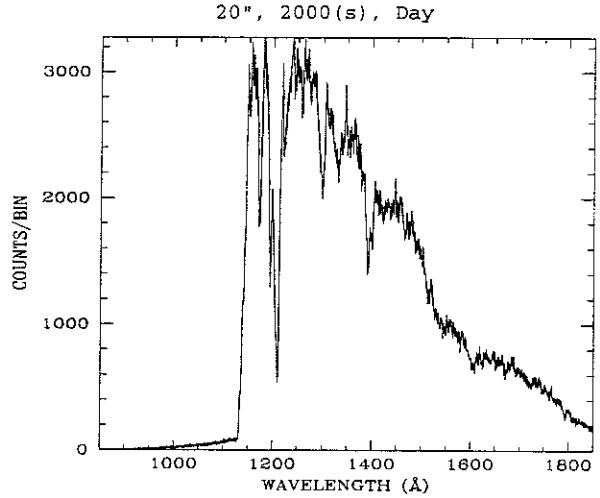
ID: 2321-1 W=Prime SciPgm= G32
Names: HD50562
Info: B2/3III V= 8.7 Wupmag=6.99
% Pol: 0.70
Pos Ang: 140.0
Mechanism: ISP
Comments:
Field star for HD50896 (ISM).



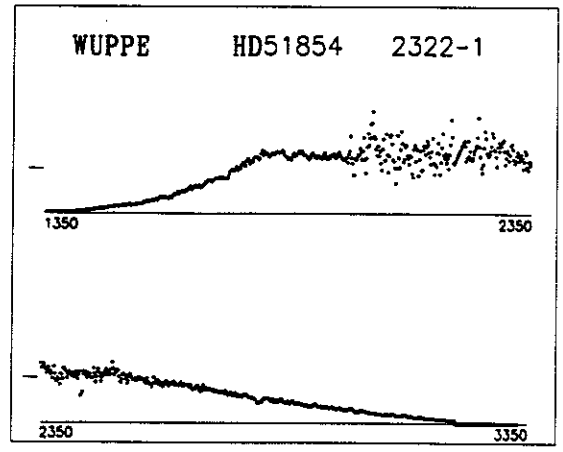
RA 103.9821 DEC -22.8075 NAME HD51854 ID 2322-1



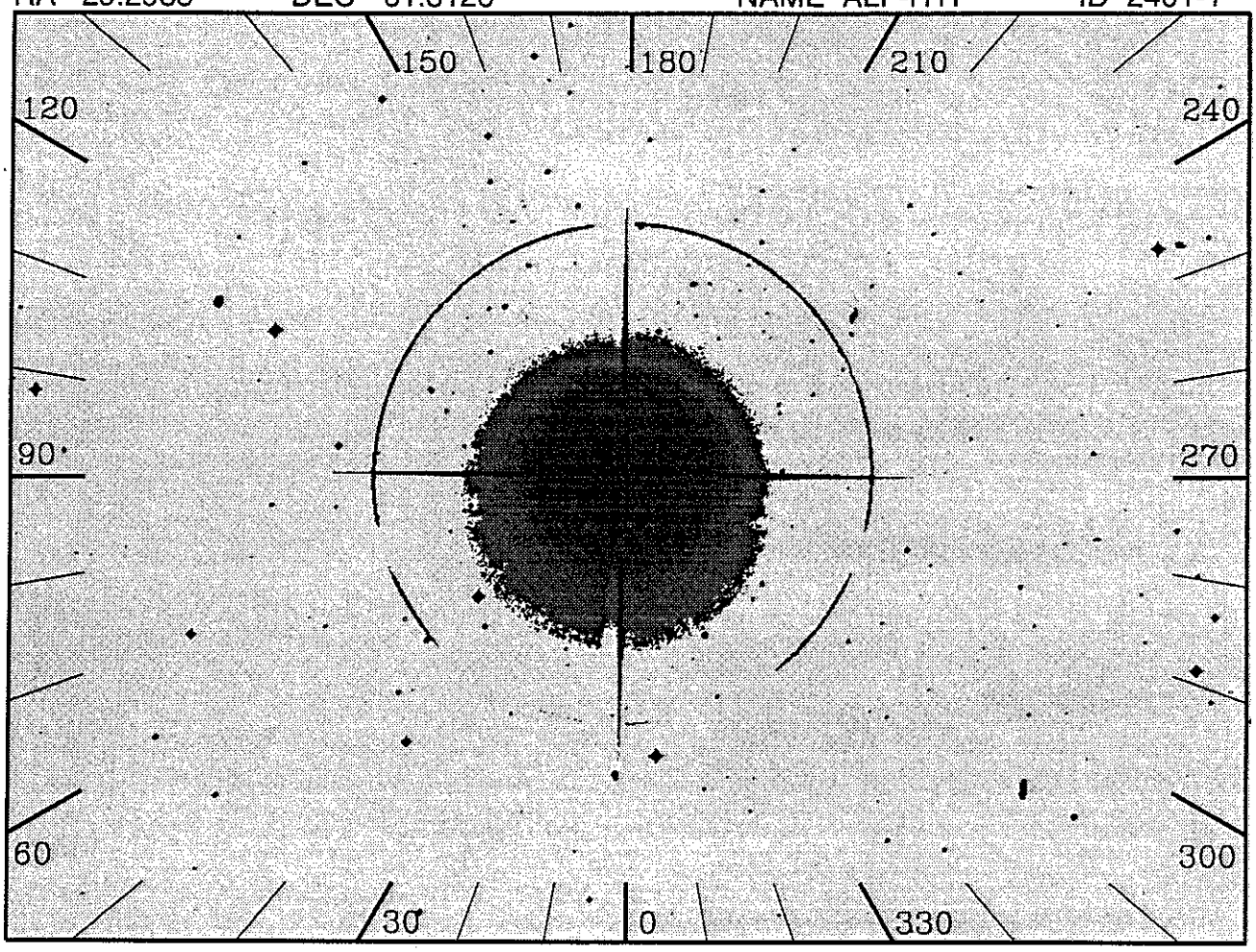
OBJECT: 2322 HD51854
KEYWORDS: B2 V
COMMENTS:
ISM probe for WR 6 = HD 50896.



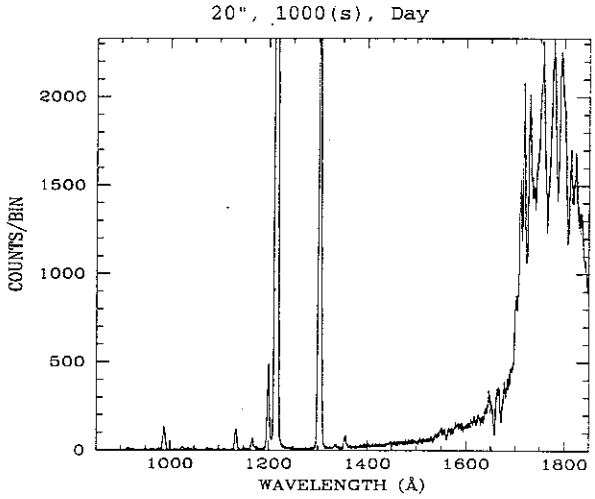
ID: 2322-1 W=Prime SciPgm= G32
Names: HD51854
Info: B2V V= 9.0 Wupmag=5.56
% Pol: 0.20
Pos Ang: 160.0
Mechanism: ISP
Comments:
Field star for HD50896 (ISM).



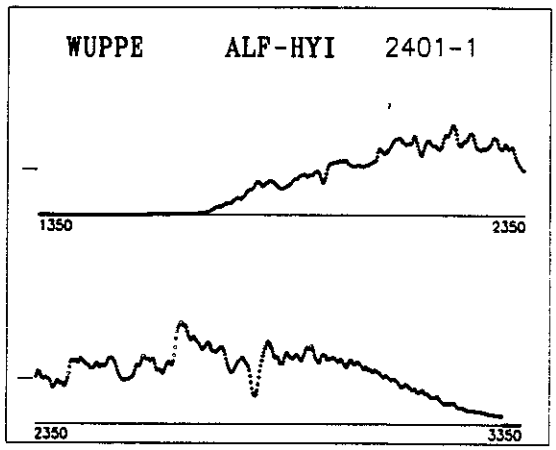
RA 29.2988 DEC -61.8126 NAME ALF-HYI ID 2401-1



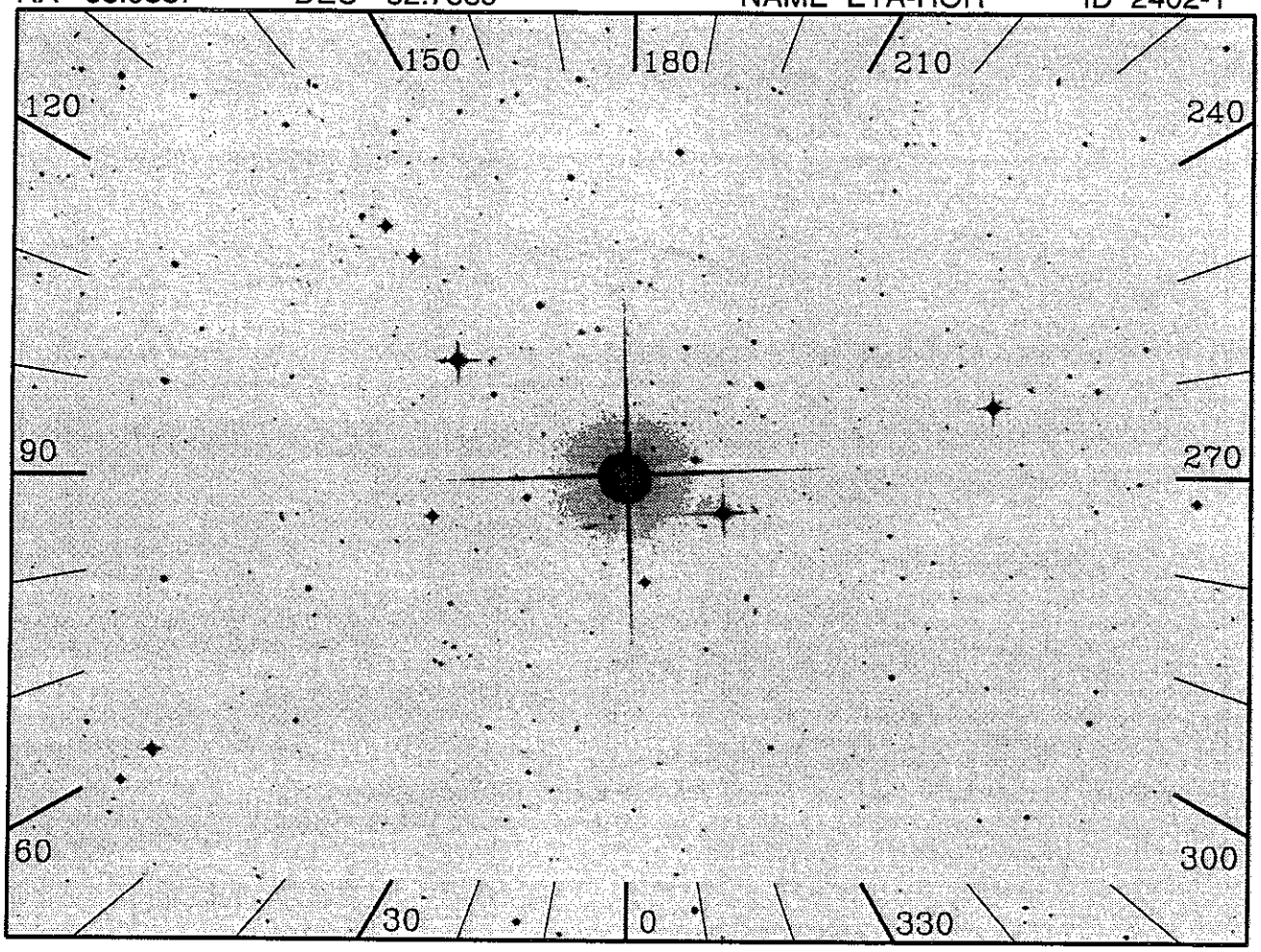
OBJECT: 2401 ALF-HYI
KEYWORDS: Rapid Rotator, Airglow
COMMENTS:
Partial door 2 is used because most of the counts are longward of 1700 Angstroms (this is an F0 V star). After 1000 seconds, we will offset 30" and open the doors for an airglow observation.



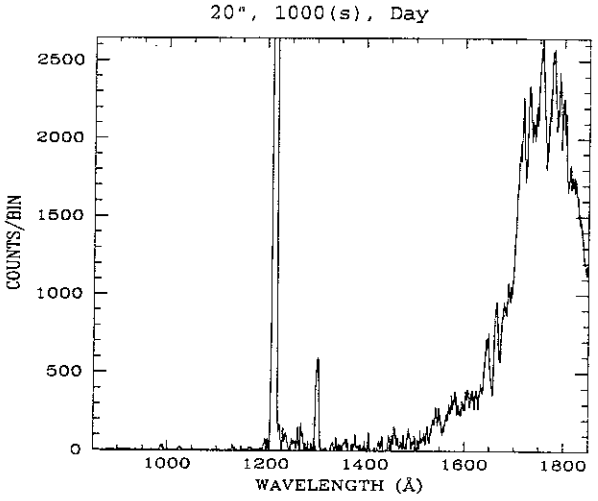
ID: 2401-1 W=Prime SciPgm= W52
Names: ALF-HYI HD12311
Info: F0V V= 2.9 Wupmag=3.54
% Pol: 0.03 (Astro-1)
Pos Ang: 170.7 (Astro-1)
Mechanism: Rotational distortion
Comments:
Observed during Astro-1. >1800A, should be unpol std. <1800A, oblateness from rapid rot coupled with "gravity darkening" are predicted to result in a small but detectable rise in polarization. Potential "edge-like" features in pol spectrum.



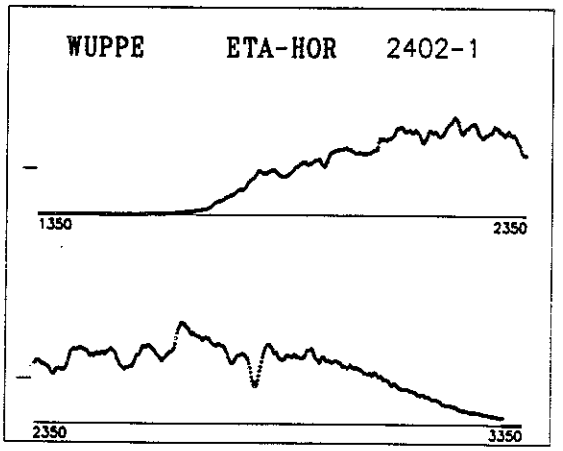
RA 38.9387 DEC -52.7589 NAME ETA-HOR ID 2402-1



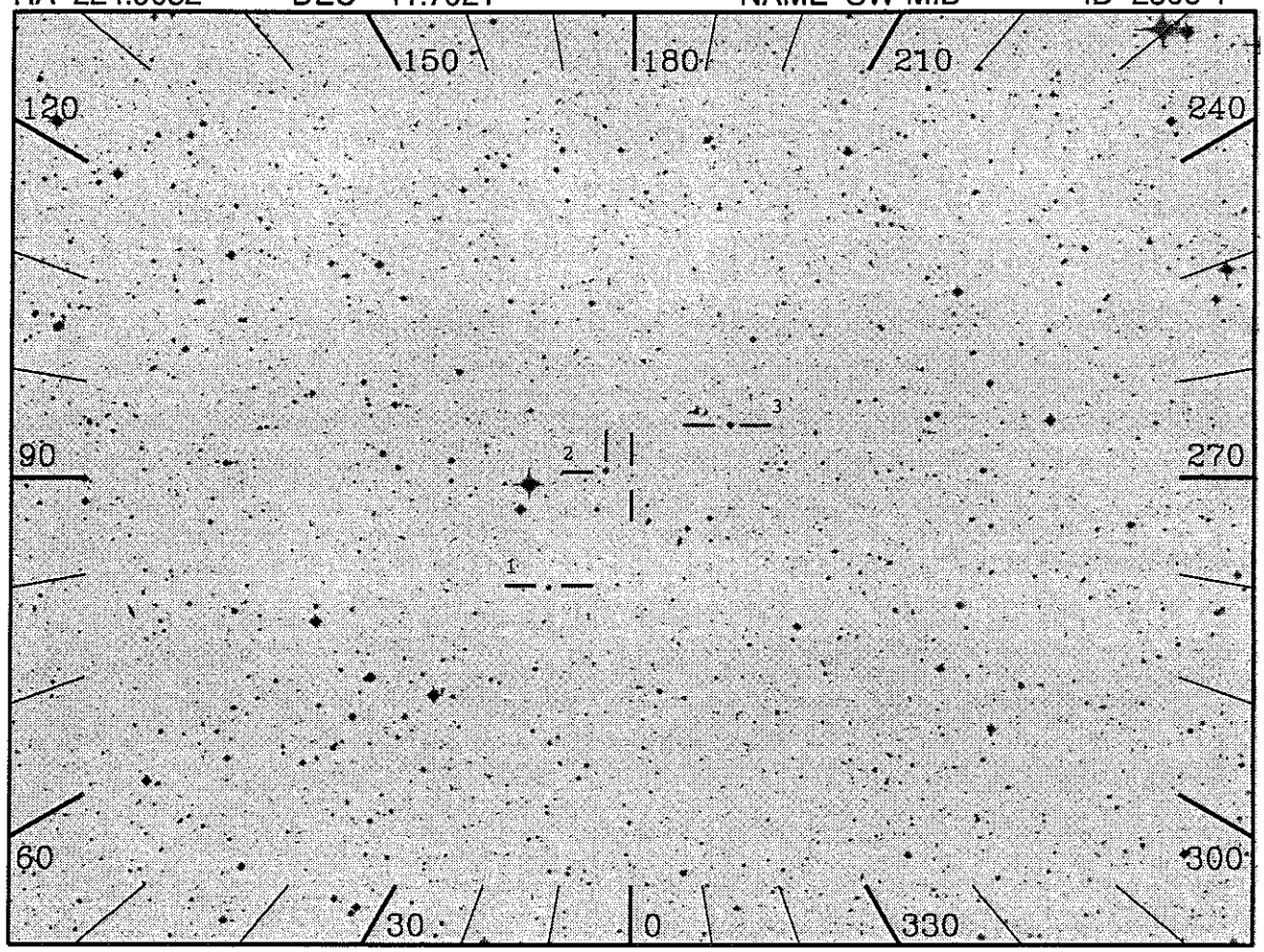
OBJECT: 2402 ETA-HOR
KEYWORDS: Rapid Rotator, psf.5, halo
COMMENTS:
Extincted A6 V star.
Offset 30" S (-Z) after 1000s, switch to slit 5 after terminator crossing. Note there are a lot of faint stars in the field, so we may not provide a clean airglow measurement.



ID: 2402-1 W=Prime SciPgm= W52
Names: ETA-HOR HD16555
Info: A6V V= 5.3 Wupmag=6.42
% Pol: 0.02
Pos Ang: 45.1
Mechanism: Rotational distortion
Comments:
>1800A, should be unpol std. <1800A, oblateness from rapid rot coupled with "gravity darkening" are predicted to result in a small but detectable rise in pol. Potential "edge-like" features in pol spectrum. Observed during Astro-1.



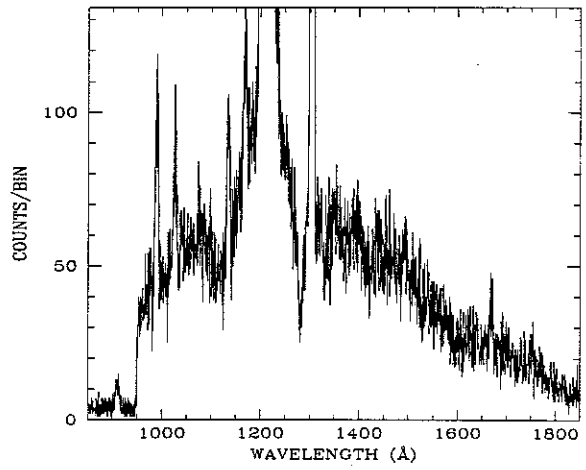
RA 224.9032 DEC -41.7921 NAME SW-MID ID 2506-1



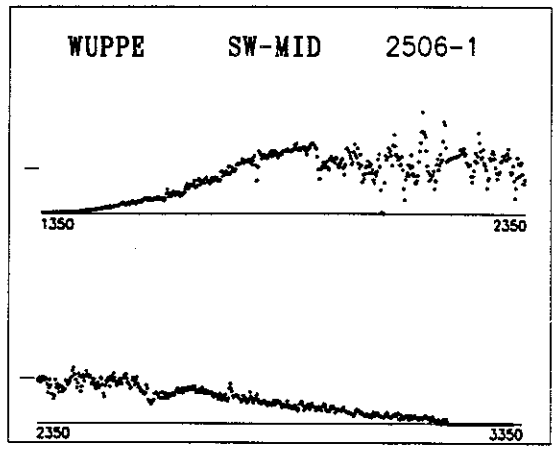
20", 2000(s), Day

OBJECT: 2506 SW-MID
KEYWORDS: sdOB Star Behind SN 1006; Absorption probe.
COMMENTS:
This is the so-called Schweizer-Middleditch star, a faint, hot subdwarf star behind the supernova remnant of SN 1006 A.D.
HUT is searching for broad absorption centered on 1123 A that would be indicative of cool Fe III absorption by the foreground supernova remnant.

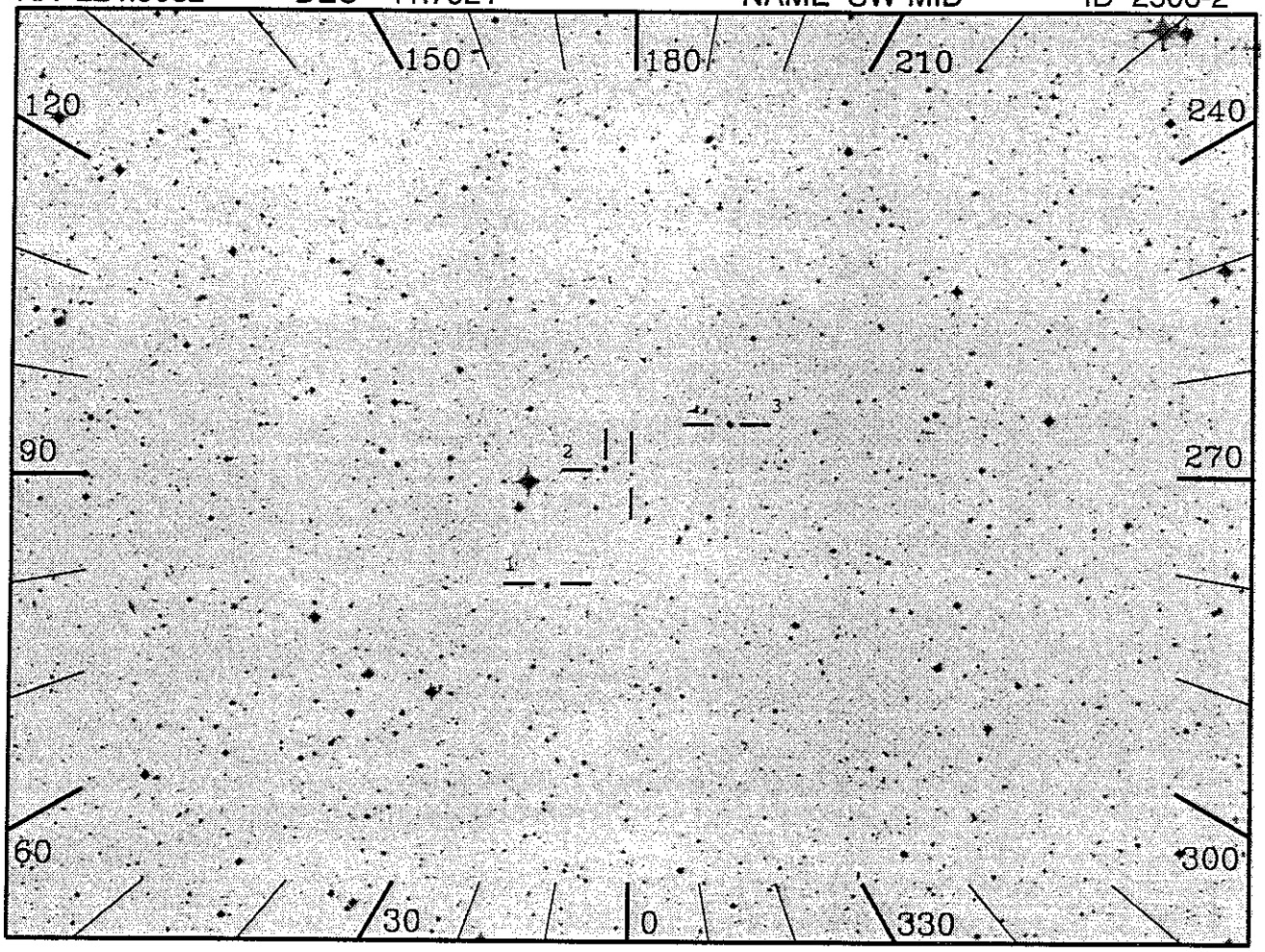
One bright star on TV will bloom to allow access to several fainter Guide Stars for the GS Loc. The source is too faint optically to be seen on the HUT CCTV.



ID: 2506-1 H=Prime SciPgm= H10
Names: SW-MID
Info: sdOB V= 16.4 Wupmag=13.1
% Pol: expect 0%
Pos Ang:
Mechanism:
Comments:
Object is near a bright (V=9) K3 dwarf star. Delta RA=10", delta DEC=4". SN1006 is in front of this object.



RA 224.9032 DEC -41.7921 NAME SW-MID ID 2506-2

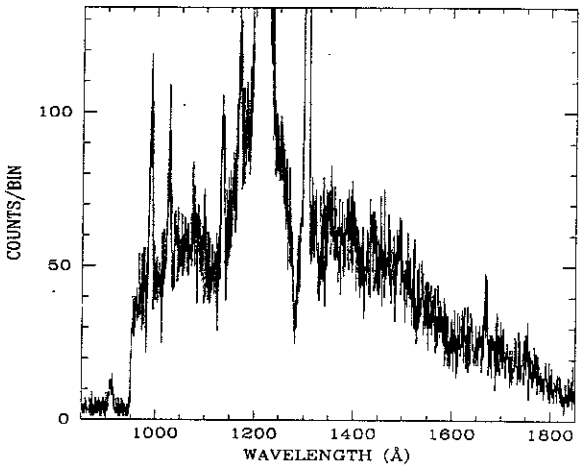


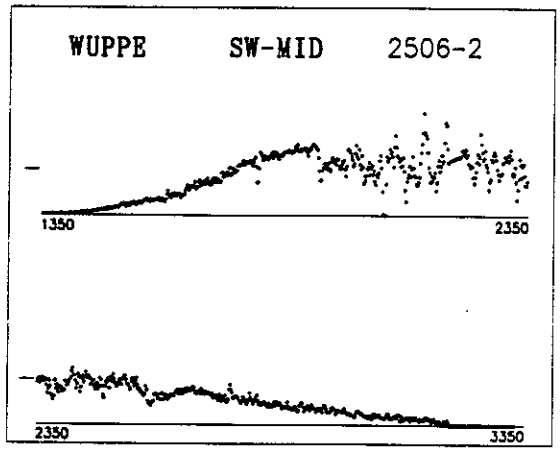
OBJECT: 2506 SW-MID
KEYWORDS: sdOB Star Behind SN 1006; Absorption probe.
COMMENTS:
This is the so-called Schweizer-Middleditch star, a faint, hot subdwarf star behind the supernova remnant of SN 1006 A.D.
HUT is searching for broad absorption centered on 1123 A that would be indicative of cool Fe III absorption by the foreground supernova remnant.

One bright star on TV will bloom to allow access to several fainter Guide Stars for the GS Loc. The source is too faint optically to be seen on the HUT CCTV.

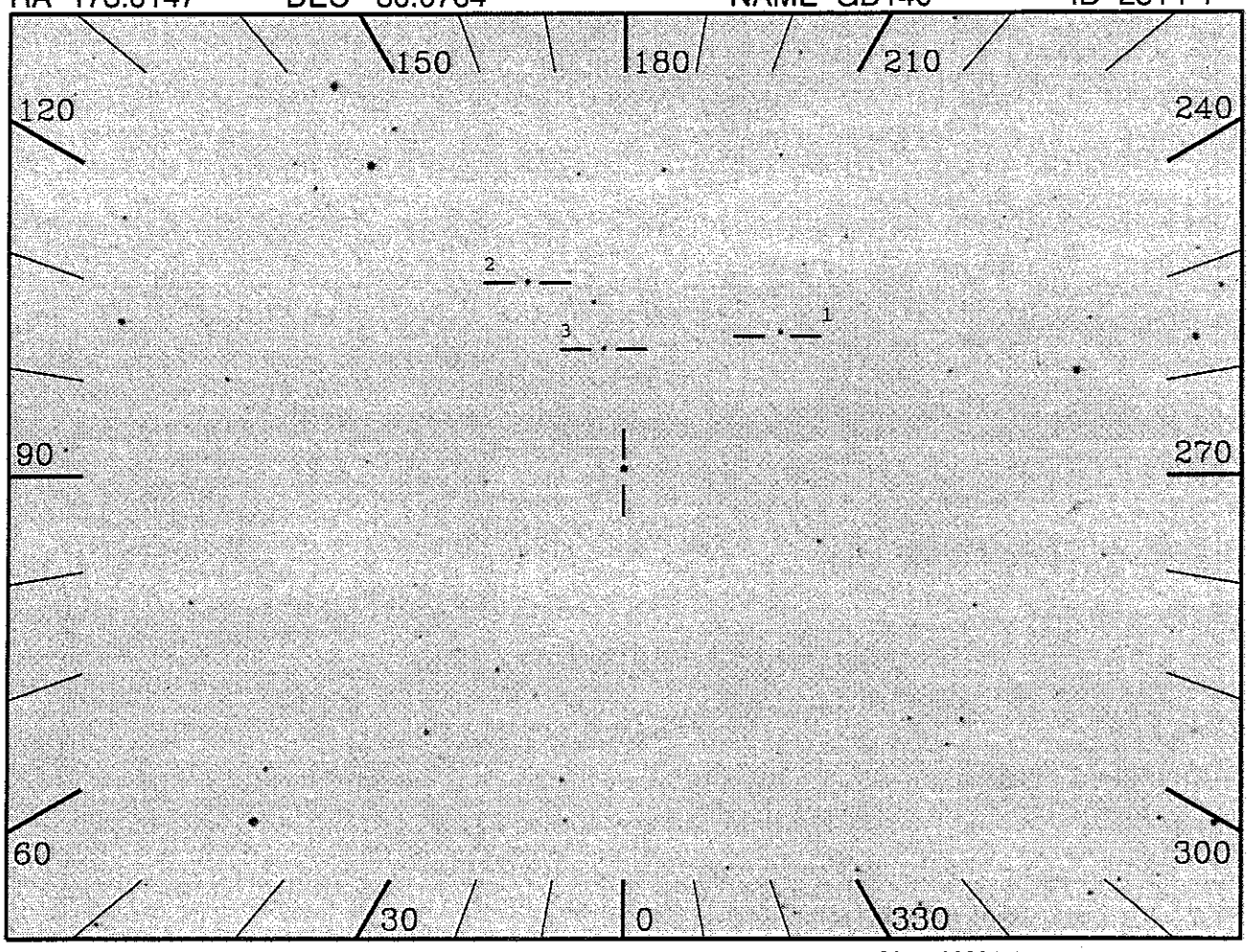
ID: 2506-2 H=Prime SciPgm= H10
Names: SW-MID
Info: sdOB V= 16.4 Wupmag=13.1
% Pol: expect 0%
Pos Ang:
Mechanism:
Comments:
Object is near a bright (V=9) K3 dwarf star. Delta RA=10", delta DEC=4".
SN1006 is in front of this object.

20", 2000(s), Day

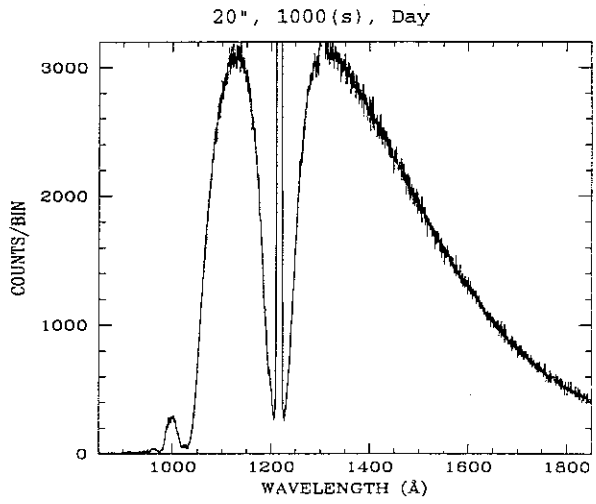




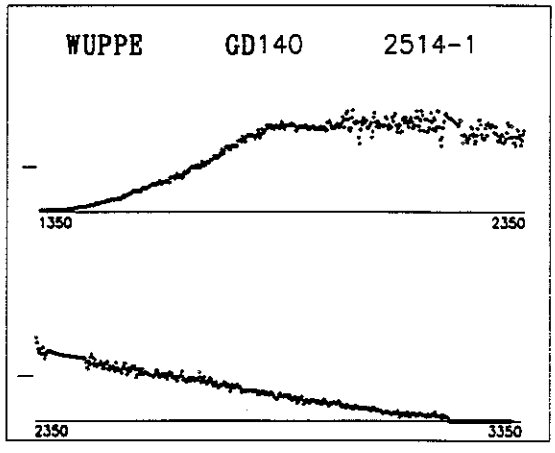
RA 173.6147 DEC 30.0764 NAME GD140 ID 2514-1



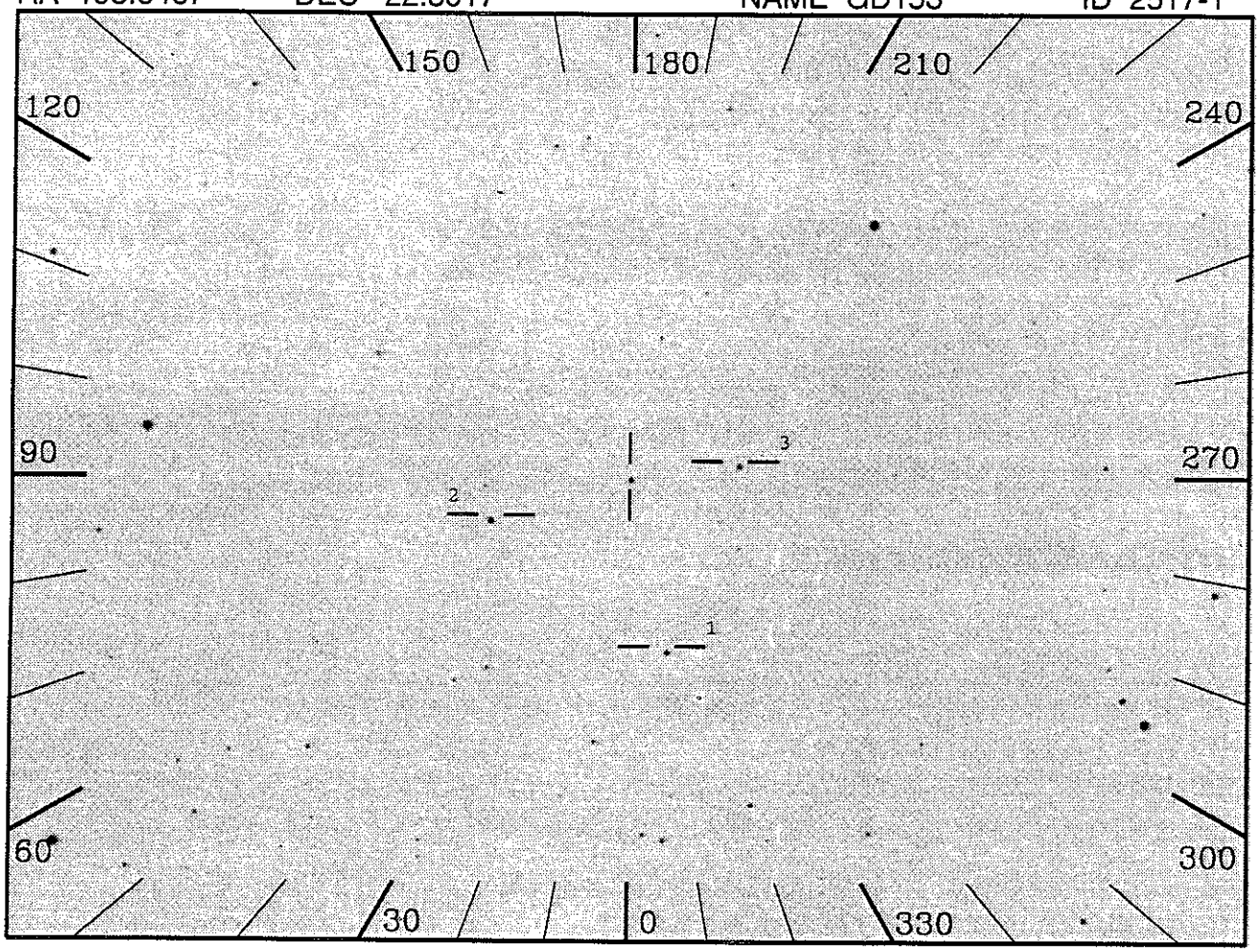
OBJECT: 2514 GD140
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 21,000 K, log g = 8.4
A.K.A. WD1134+300, also PG object
Important target given low Teff and very high g



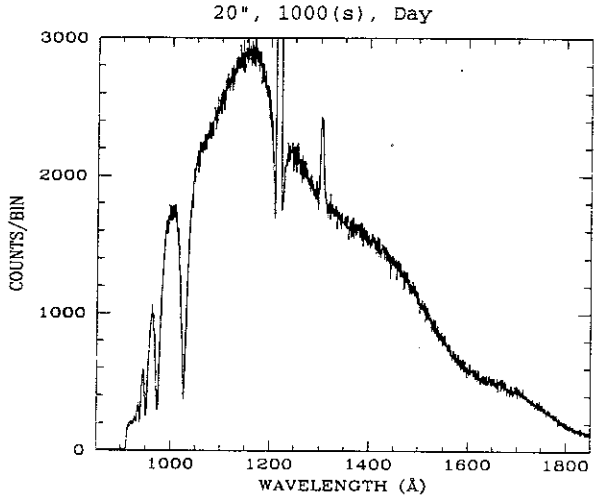
ID: 2514-1 H=Prime SciPgm= G12
Names: GD140
Info: DA2 V=12.49 Wupmag=9.32
% Pol: expect 0%
Pos Ang:
Mechanism:
Comments:



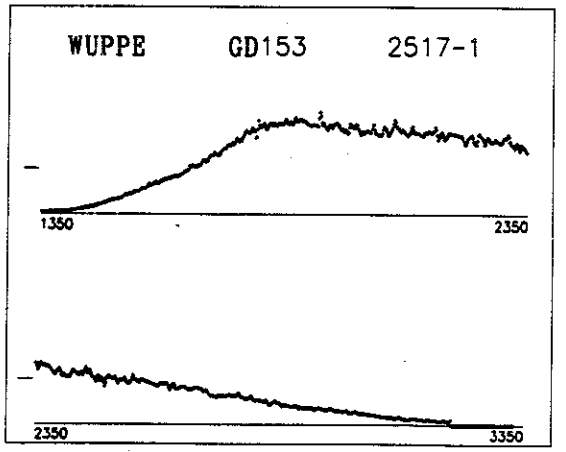
RA 193.6467 DEC 22.3017 NAME GD153 ID 2517-1



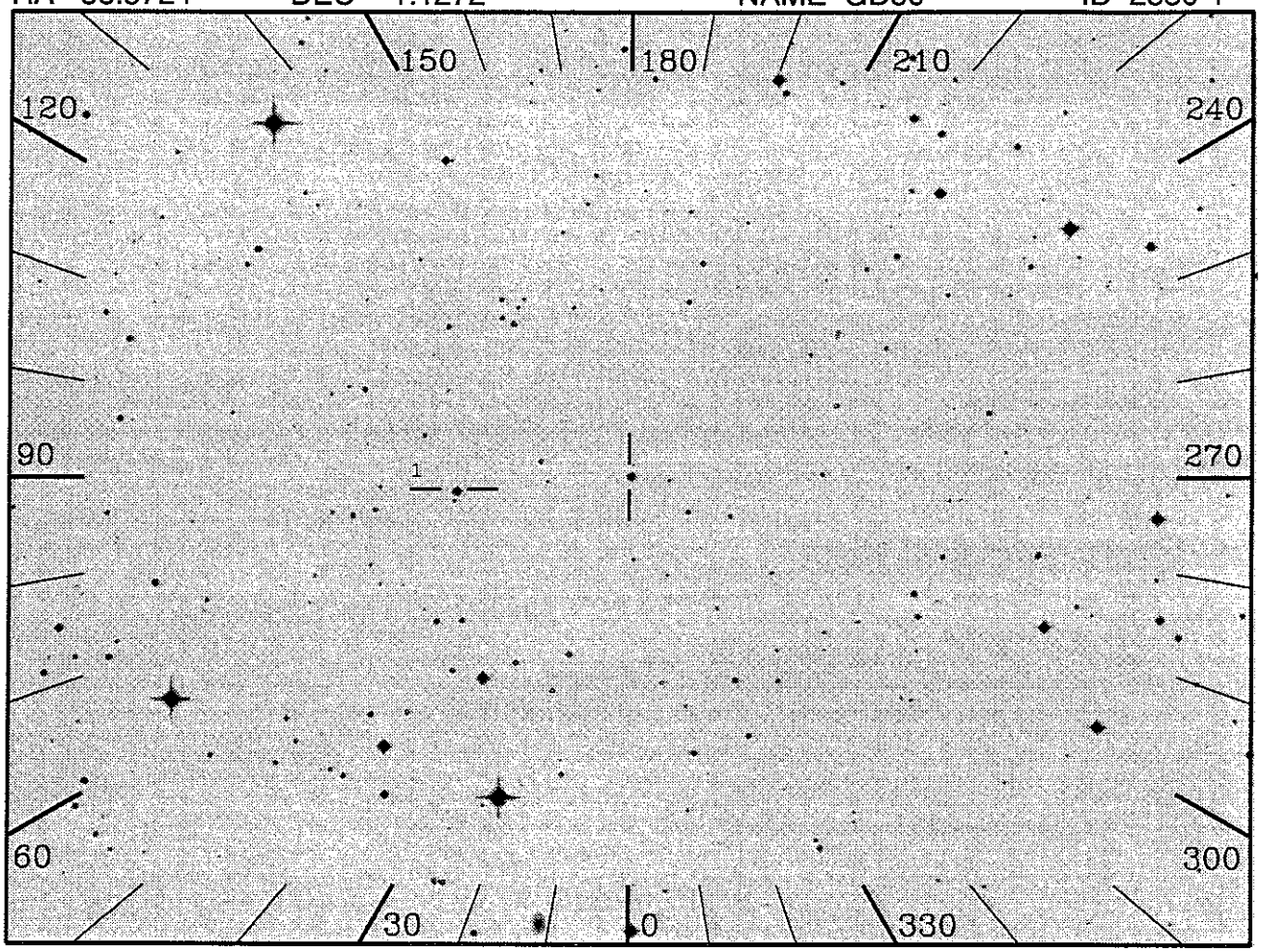
OBJECT: 2517-10 GD153
KEYWORDS: DA1 white dwarf flux calibration
COMMENTS:
Hutsim: Finley model: Teff=38860 K log g=7.70



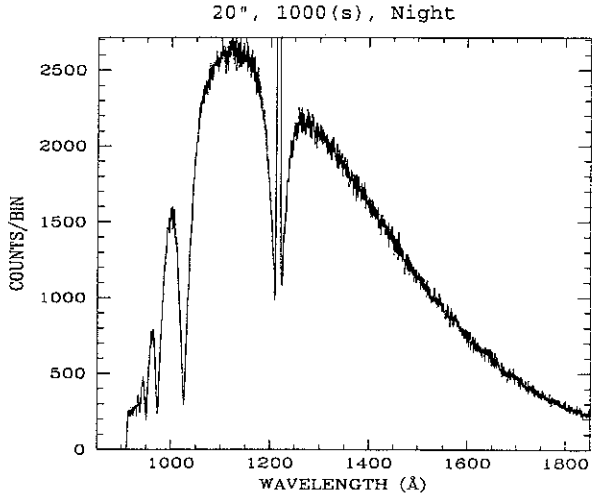
ID: 2517-1 H=Prime SciPgm= H01
Names: GD153
Info: DA1 V=13.38 Wupmag=9.40
% Pol: guess 0.0%
Pos Ang:
Mechanism:
Comments:



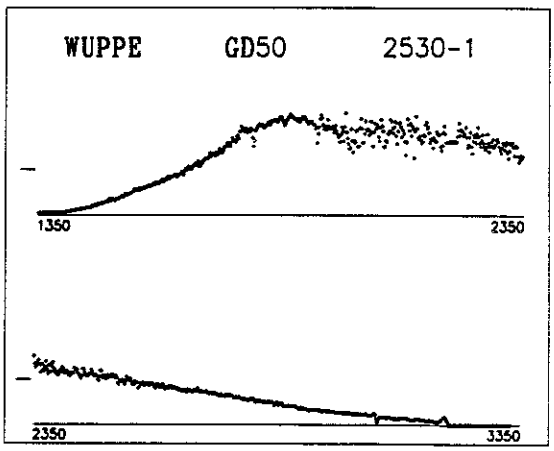
RA 56.5724 DEC -1.1272 NAME GD50 ID 2530-1



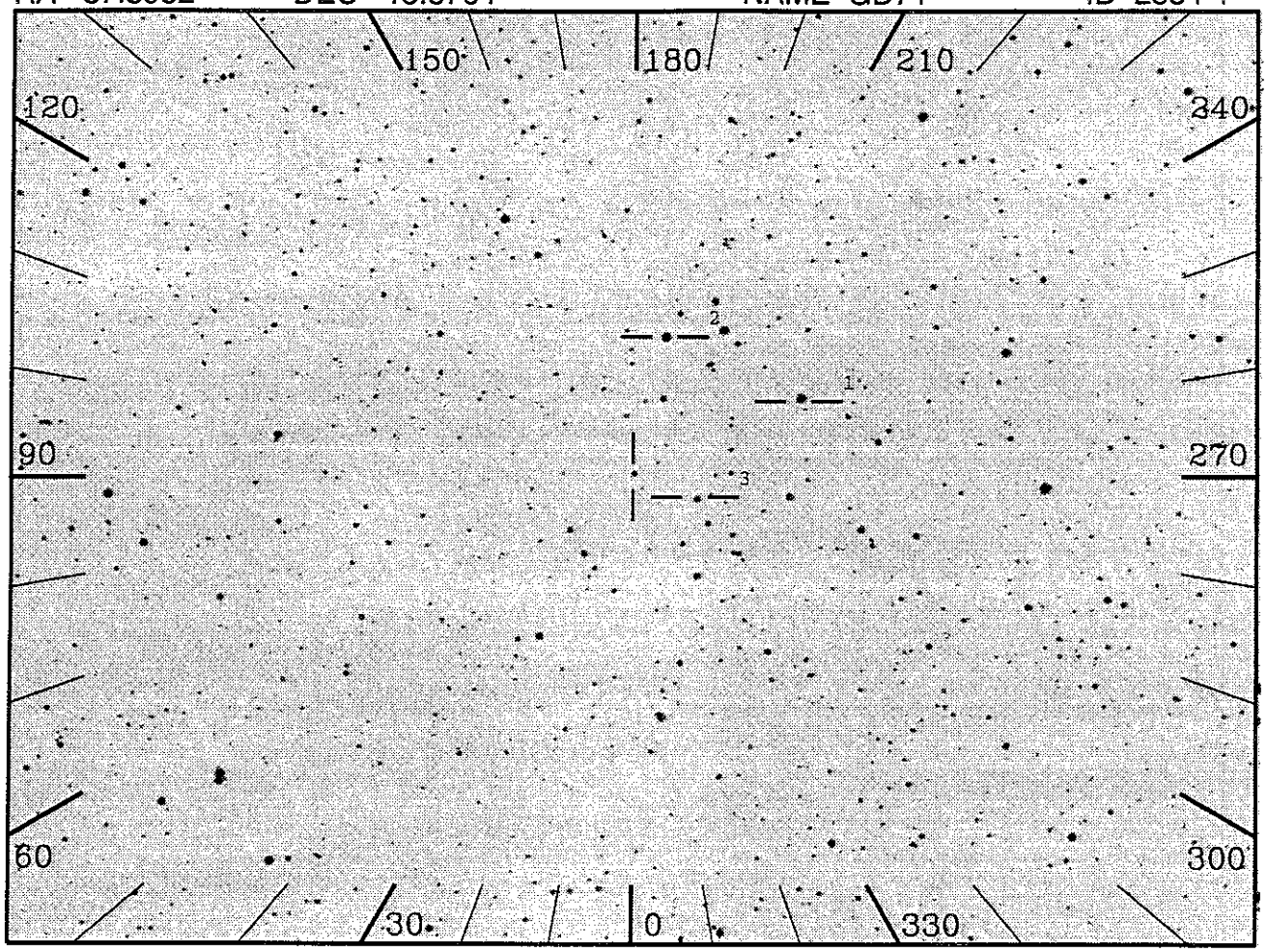
OBJECT: 2530 GD50
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 41,000 K, log g = 9.1
A.K.A. WD0346-011
Very important target, one of the most massive WD



ID: 2530-1 H=Prime SciPgm= G12
Names: GD50 GR288
Info: DA1 V=14.00 Wupmag=10.1
% Pol: guess 0%
Pos Ang:
Mechanism:
Comments:
This is a crowded field with 3 white dwarfs of similar mag and very close to each other (< 3" away). Since all 3 are white dwarfs, expect them to be unpolarized.

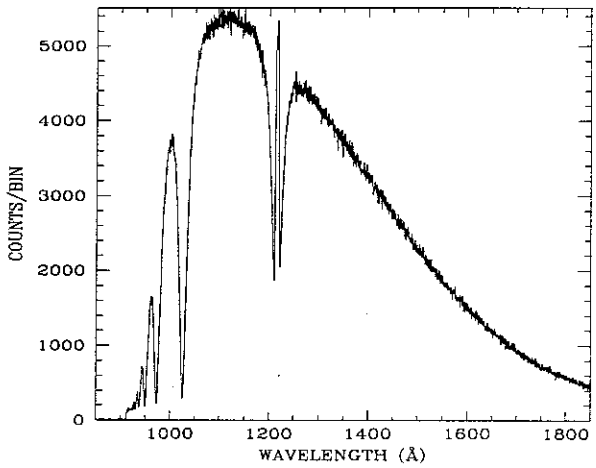


RA 87.3952 DEC 15.8764 NAME GD71 ID 2534-1

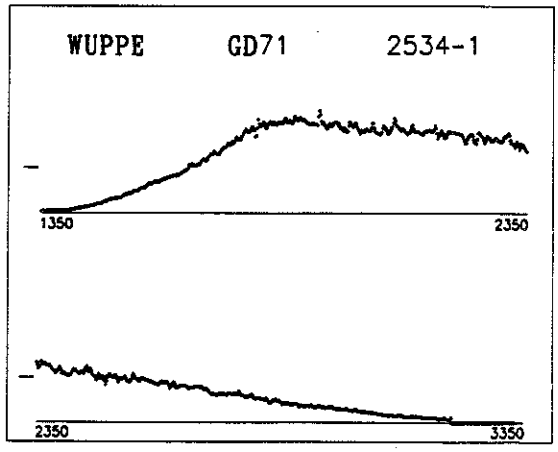


OBJECT: 2534 GD71
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 32,000 K, log g = 7.7
A.K.A. WD0549+158
Visible photometric standard, hence important for absolute flux calibration

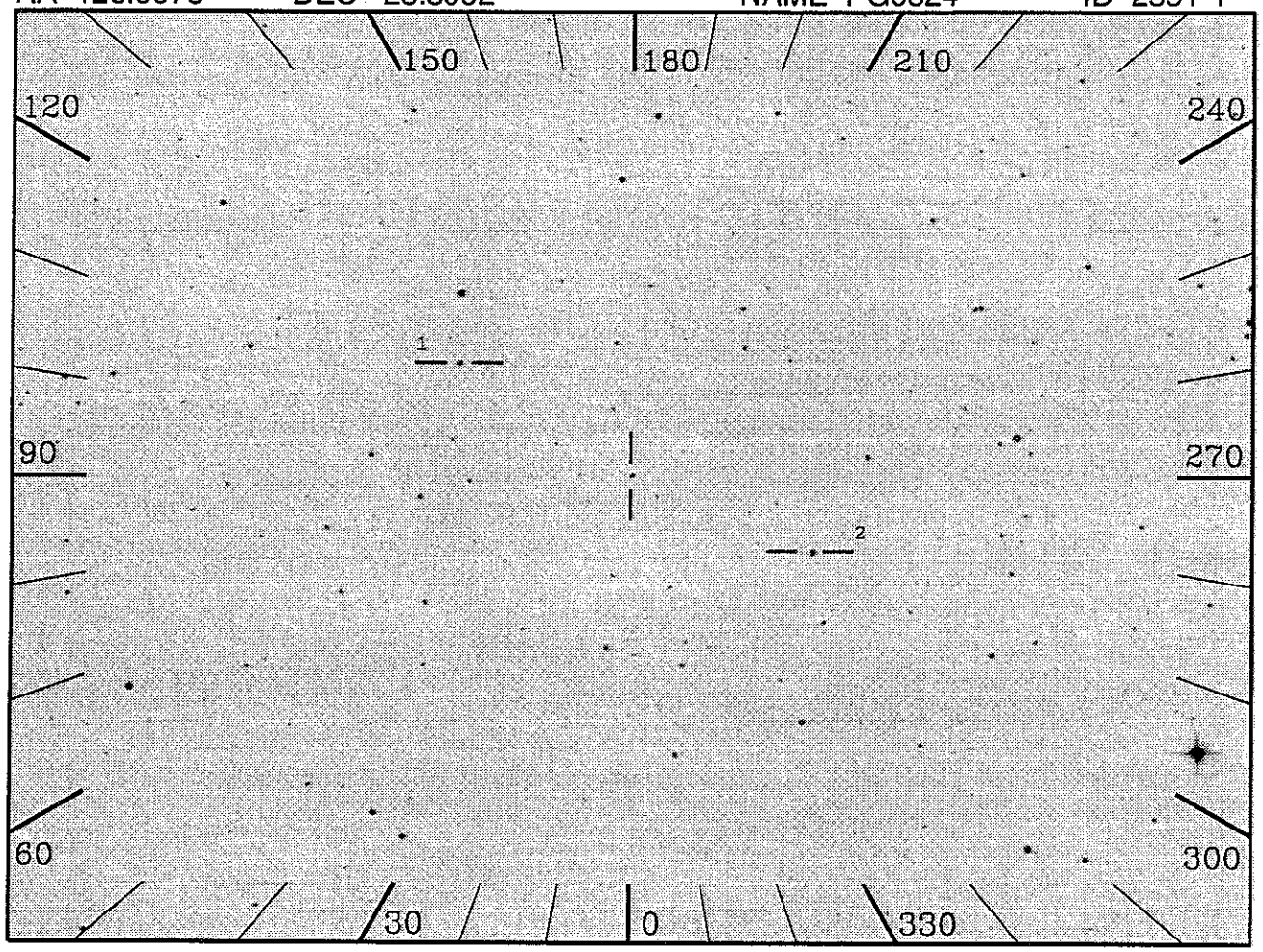
20", 1000(s), Night



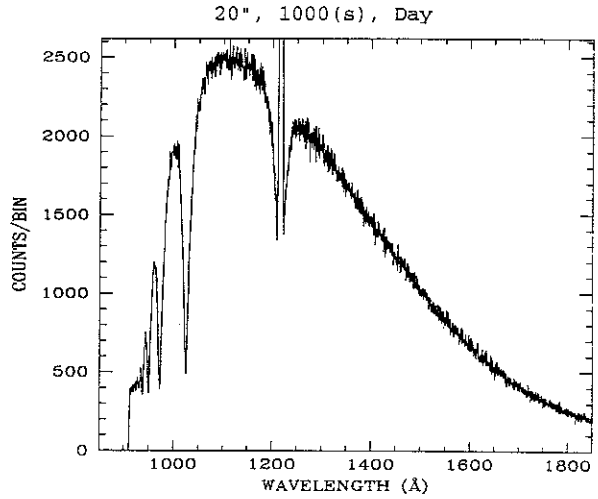
ID: 2534-1 H=Prime SciPgm= G12
Names: GD71 EG210
Info: DA2 V=13.06 Wupmag=9.3
% Pol: guess 0.0%
Pos Ang:
Mechanism:
Comments:
IUE data used for simulated spectrum is that of GD153 (2517).



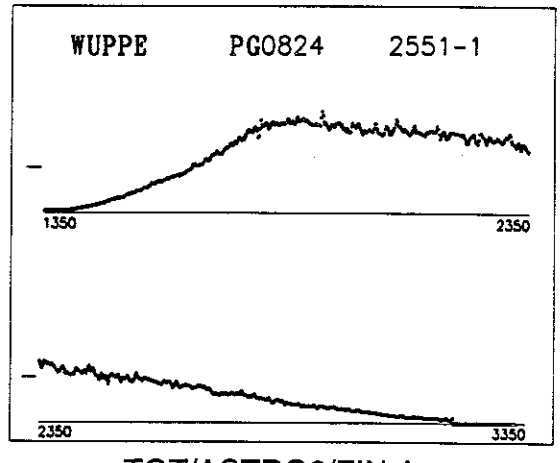
RA 126.0076 DEC 28.8992 NAME PG0824 ID 2551-1



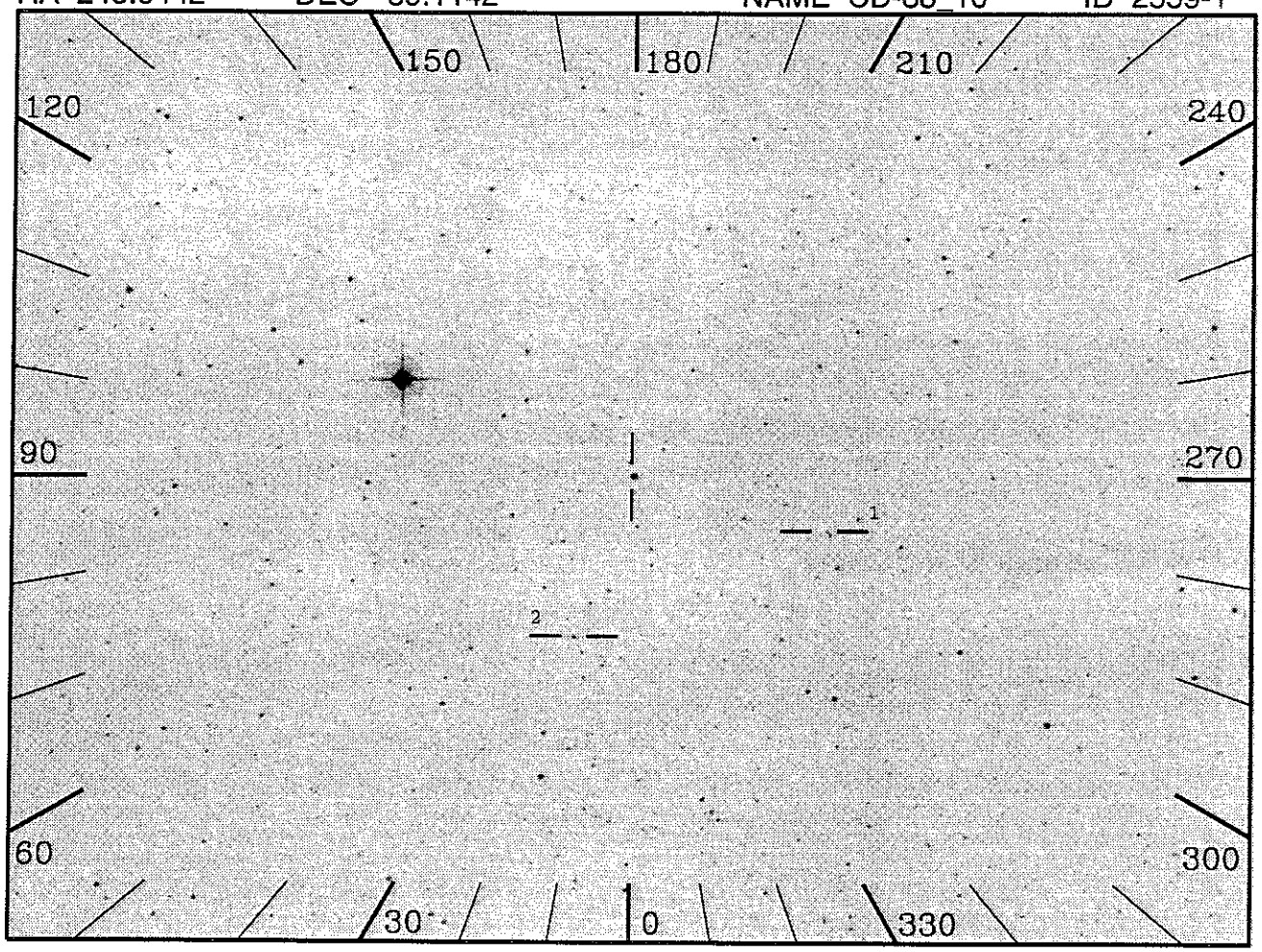
OBJECT: 2551 PG0824
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 56,000 K, log g = 7.8
A.K.A. WD0824+288
Also is EUV source
Optical results (Teff, log g, and V) are compromised by presence of DC companion



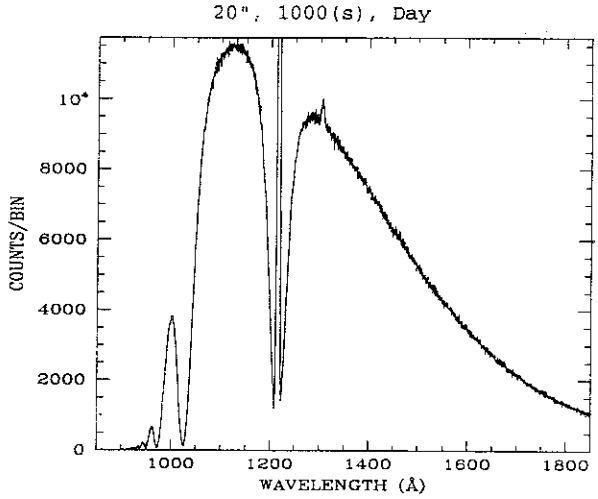
ID: 2551-1 H=Prime SciPgm= G12
Names: PG0824
Info: DA1 V=14.22 Wupmag=10.3
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Object is a binary system consisting of a dwarf Carbon star and a highly magnetic star.
IUE data used for simulated spectrum is that of GD153 (2517).



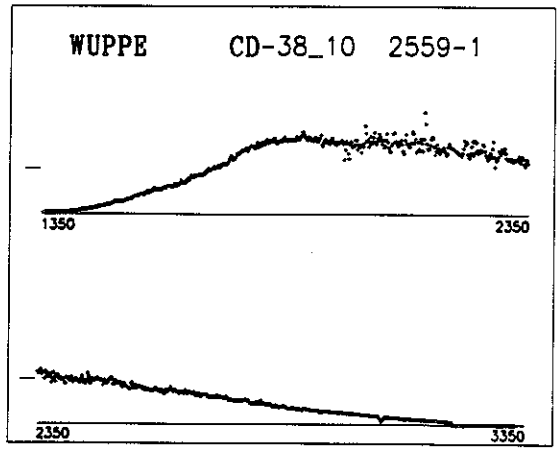
RA 245.0442 DEC -39.1142 NAME CD-38_10 ID 2559-1



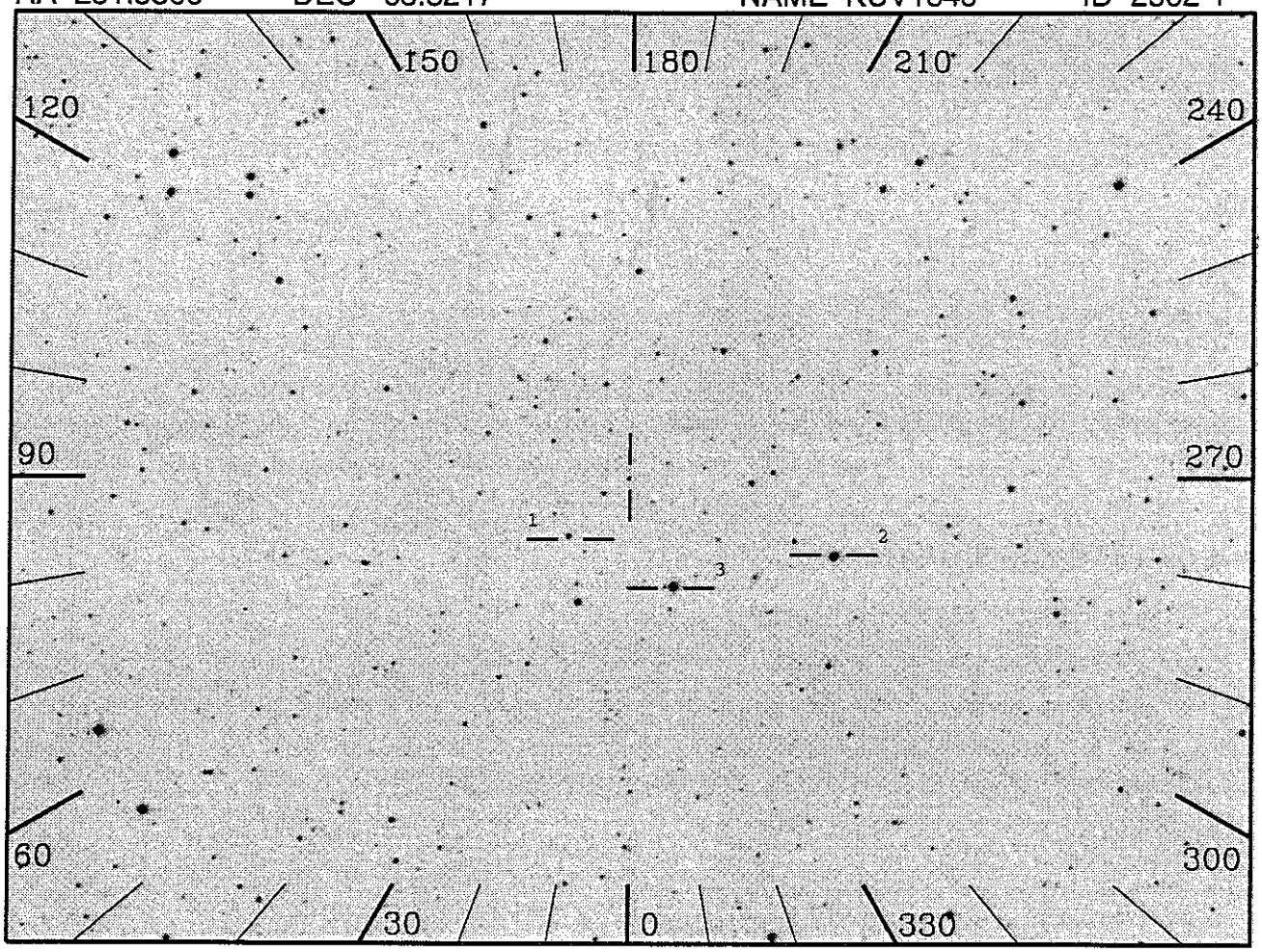
OBJECT: 2559 CD-38_10
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 25,000 K, log g = 7.9
Full name is CD -38 10980, A.K.A. WD 1620-391



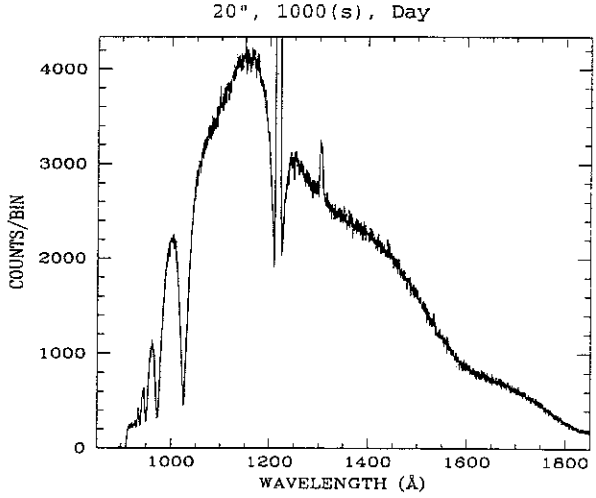
ID: 2559-1 H=Prime SciPgm= G12
Names: CD-38_10
Info: DA2 V=11.00 Wupmag=7.42
% Pol: 0%
Pos Ang:
Mechanism:
Comments:



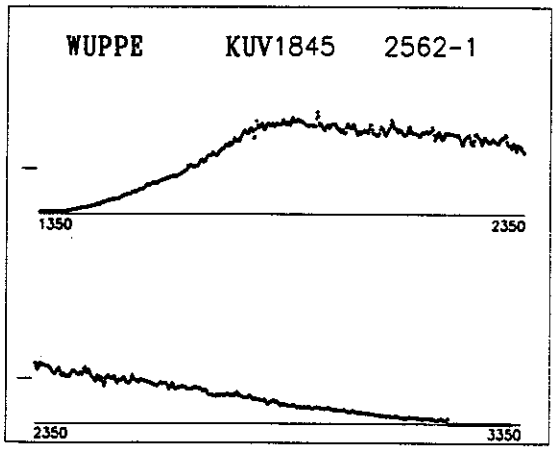
RA 281.3366 DEC 68.3217 NAME KUV1845 ID 2562-1



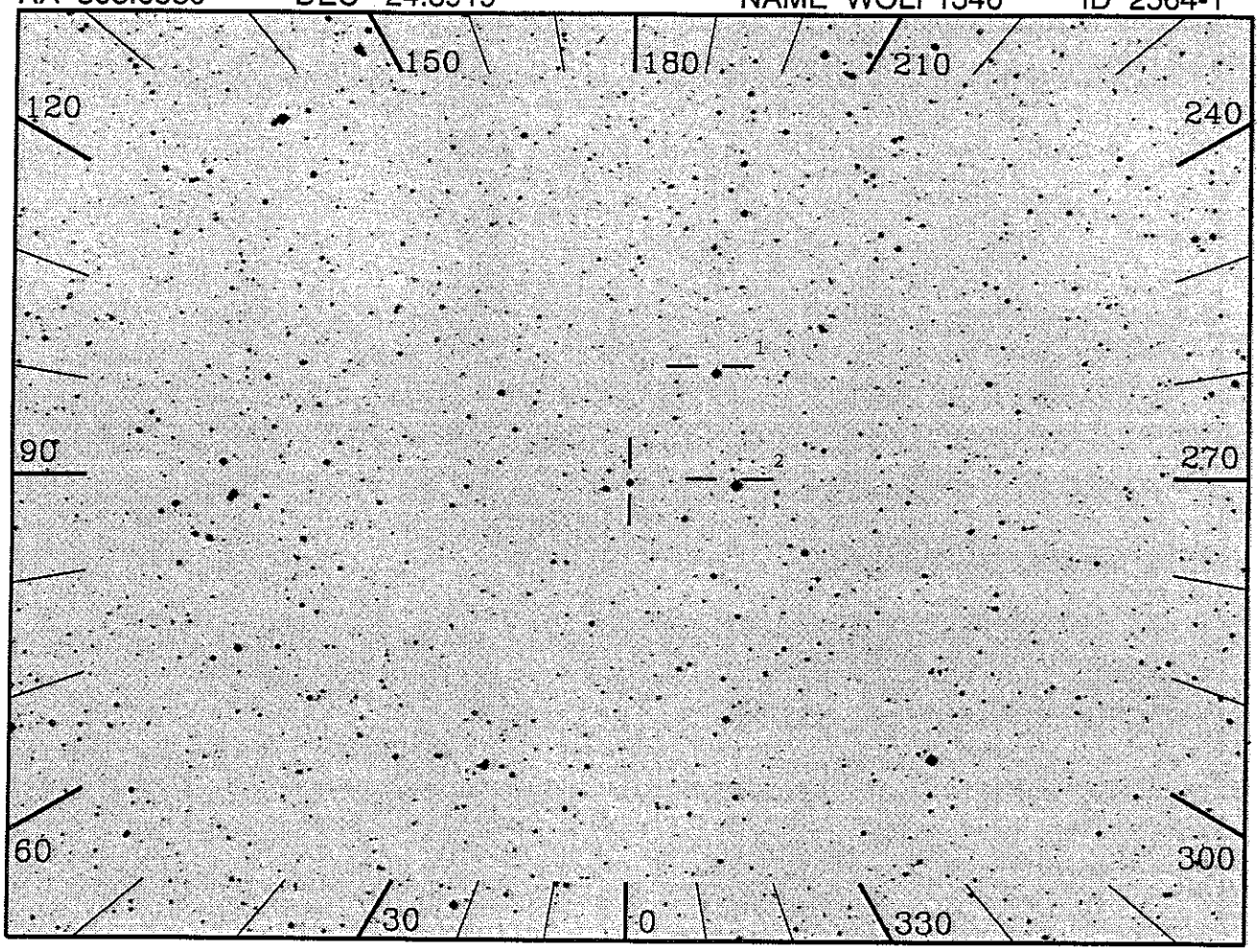
OBJECT: 2562 KUV1845
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 37140 log g ≙ 8.16 V=12.95
hutsim: Finley model



ID: 2562-1 H=Prime SciPgm= G12
Names: KUV1845
Info: V=12.95 Wupmag=
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Expected to be unpolarized. Could be used as an unpol standard. IUE data used for simulated spectrum is that of GD153 (2517).

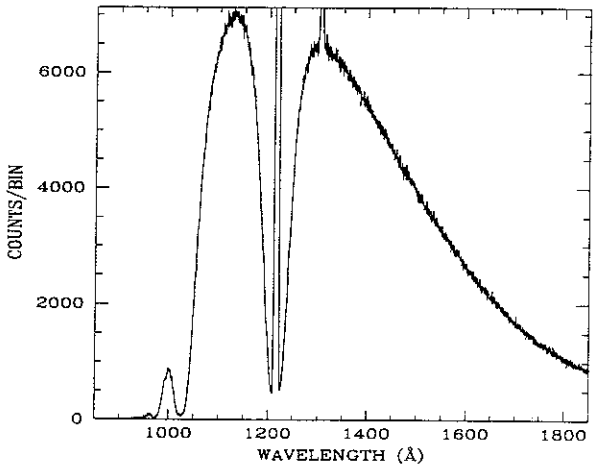


RA 308.0530 DEC 24.8919 NAME WOLF1346 ID 2564-1

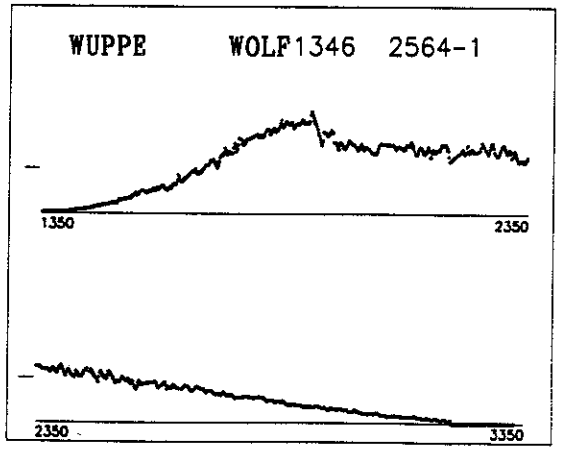


OBJECT: 2564 WOLF1346
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 20,000 K, log g = 7.8
A.K.A. WD2032+248

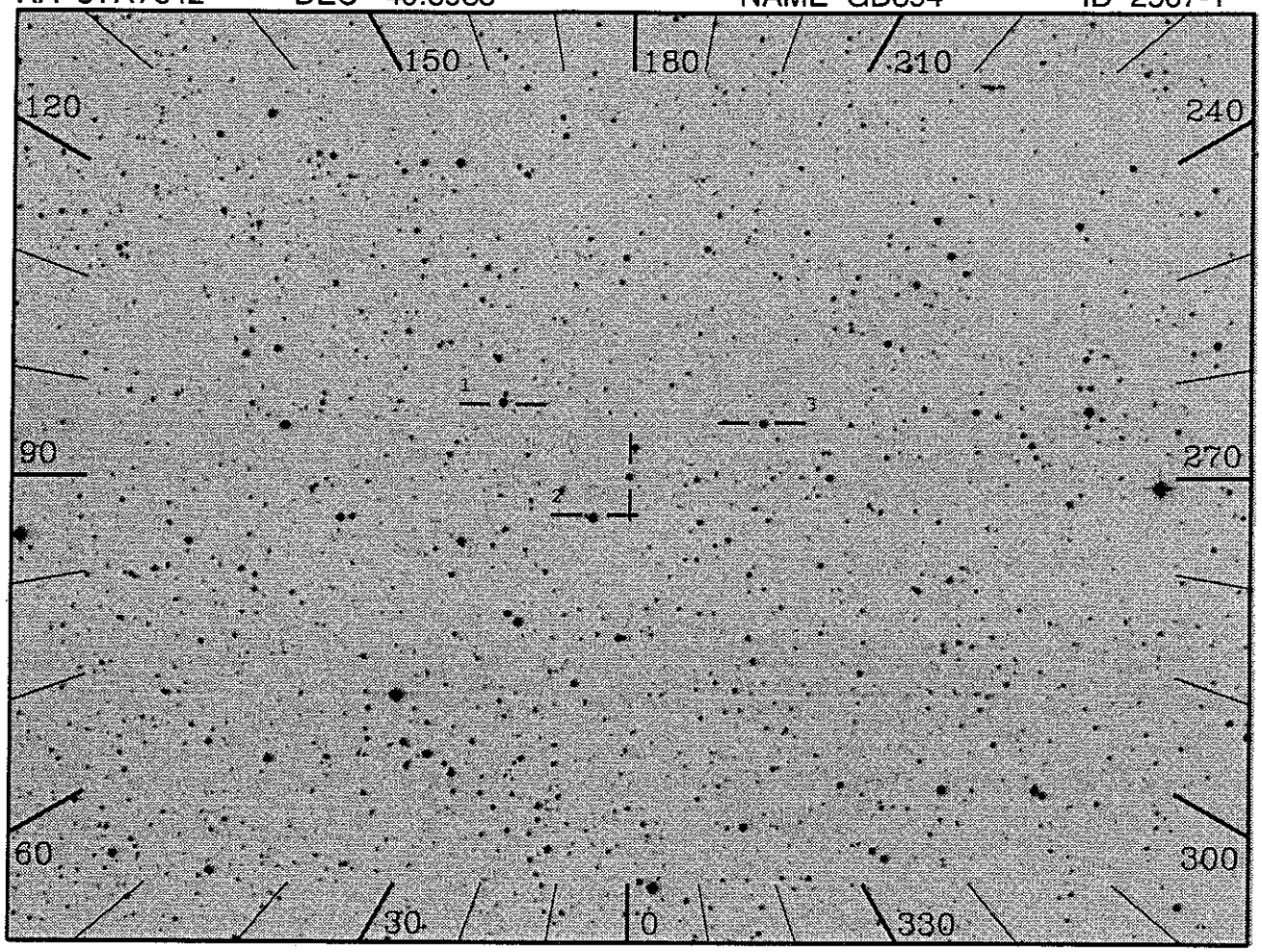
20", 1000(s), Day



ID: 2564-1 H=Prime SciPgm= G12
Names: WOLF1346
Info: DA2 V=11.53 Wupmag=8.32
% Pol: 0%
Pos Ang:
Mechanism:
Comments:

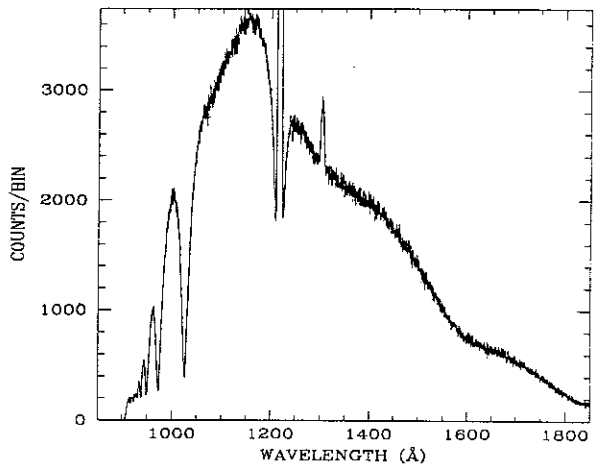


RA 317.7642 DEC 49.8985 NAME GD394 ID 2567-1

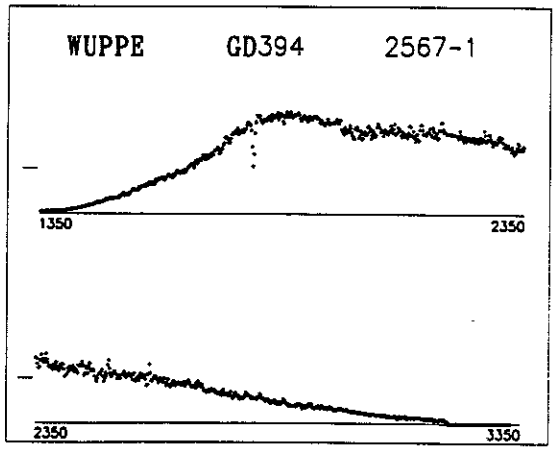


20", 1000(s), Day

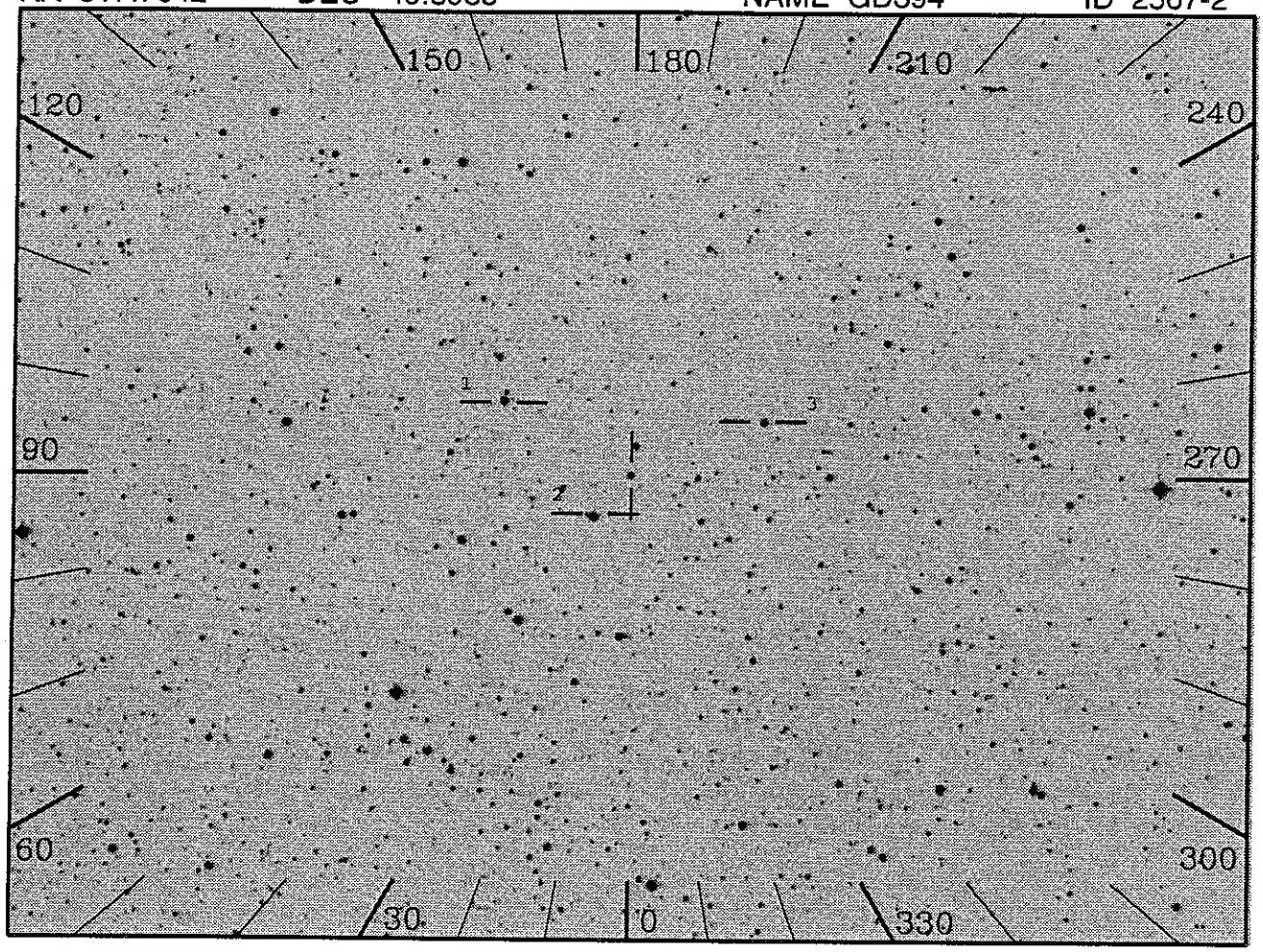
OBJECT: 2567-11 GD394
KEYWORDS: DA2 white dwarf flux calibration
COMMENTS:
Hutsim: Finley model Teff=39460 K log g=7.95



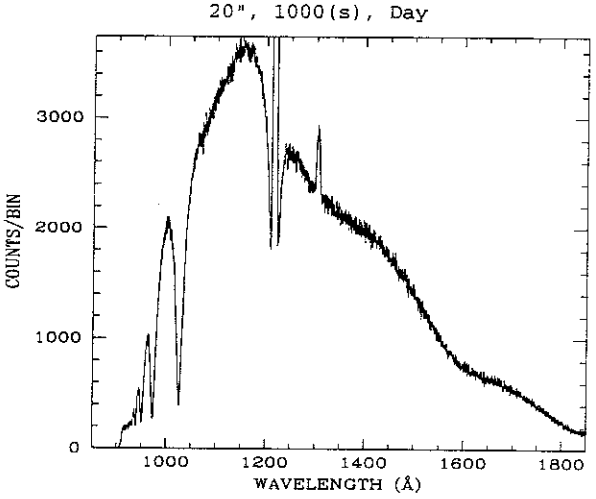
ID: 2567-1 H=Prime SciPgm= H01
Names: GD394
Info: DA1 V=13.08 Wupmag=9.22
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Intrinsic circular pol. Intrinsic linear pol (probably 0). Star has a magnetic field.



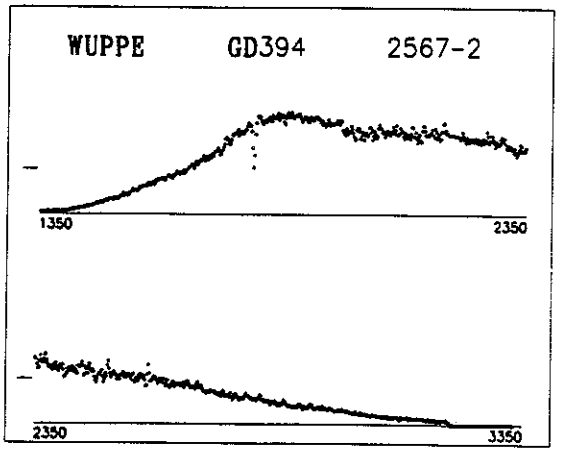
RA 317.7642 DEC 49.8985 NAME GD394 ID 2567-2



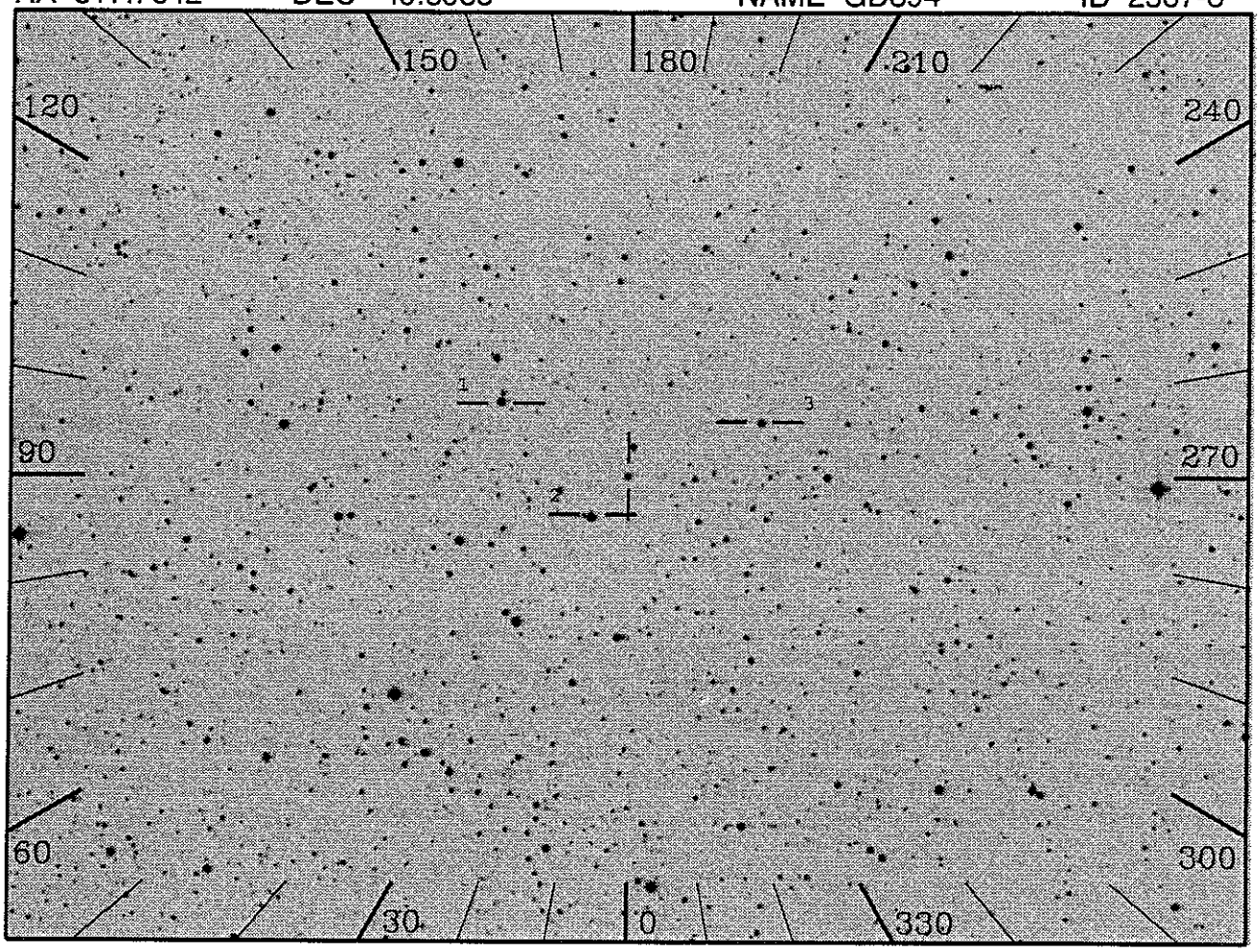
OBJECT: 2567-11 GD394
KEYWORDS: DA2 white dwarf flux calibration
COMMENTS:
Hutsim: Finley model Teff=39460 K log g=7.95



ID: 2567-2 H=Prime SciPgm= H01
Names: GD394
Info: DA1 V=13.08 Wupmag=9.22
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Intrinsic circular pol. Intrinsic linear pol (probably 0). Star has a magnetic field.

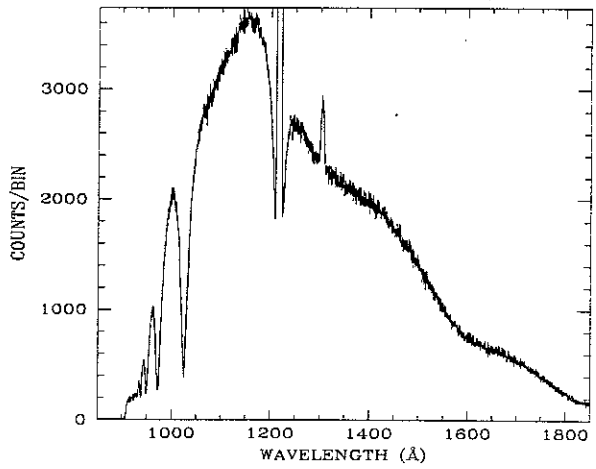


RA 317.7642 DEC 49.8985 NAME GD394 ID 2567-3

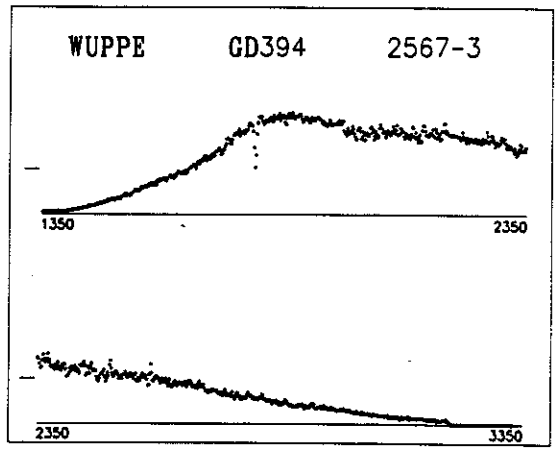


20", 1000(s), Day

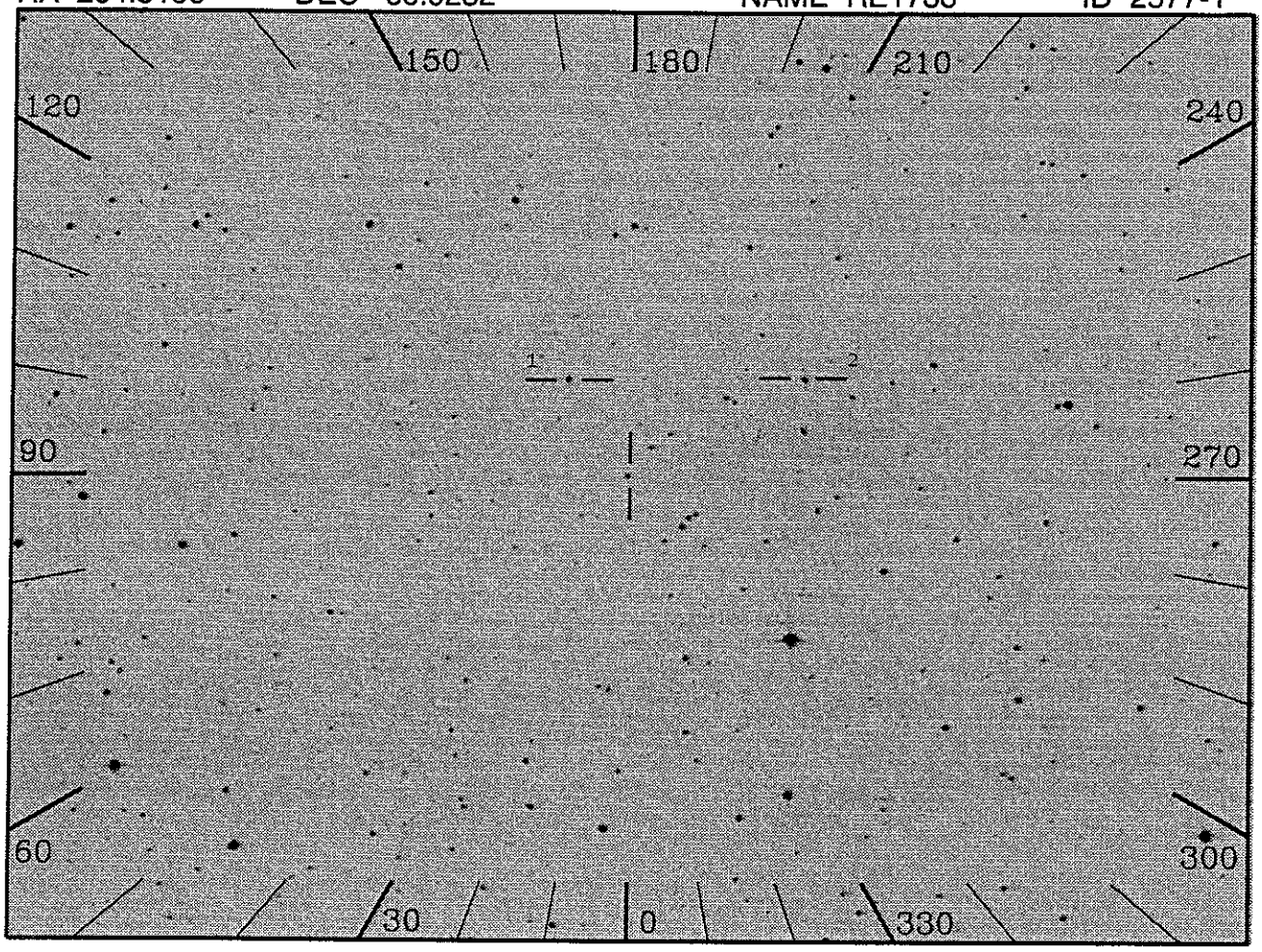
OBJECT: 2567-11 GD394
KEYWORDS: DA2 white dwarf flux calibration
COMMENTS:
Hutsim: Finley model Teff=39460 K log g=7.95



ID: 2567-3 H=Prime SciPgm= H01
Names: GD394
Info: DA1 V=13.08 Wupmag=9.22
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Intrinsic circular pol. Intrinsic linear pol (probably 0). Star has a magnetic field.

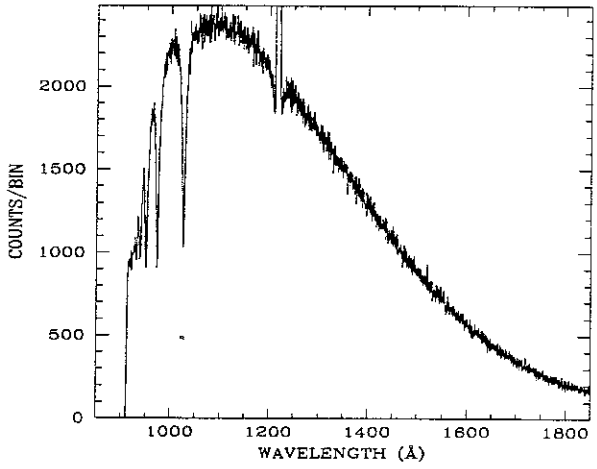


RA 264.5198 DEC 66.9232 NAME RE1738 ID 2577-1

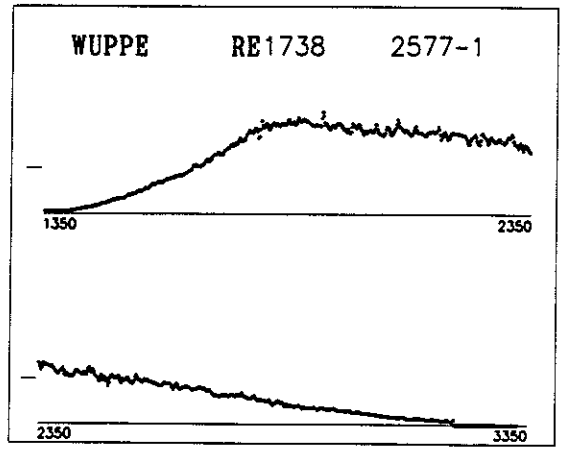


OBJECT: 2577 RE1738
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 97,000, log g = 7.8
A.K.A. WD1738+669, RE1738+665
Very important target, hottest field DA white dwarf,
hence weakest Lyman lines of all targets

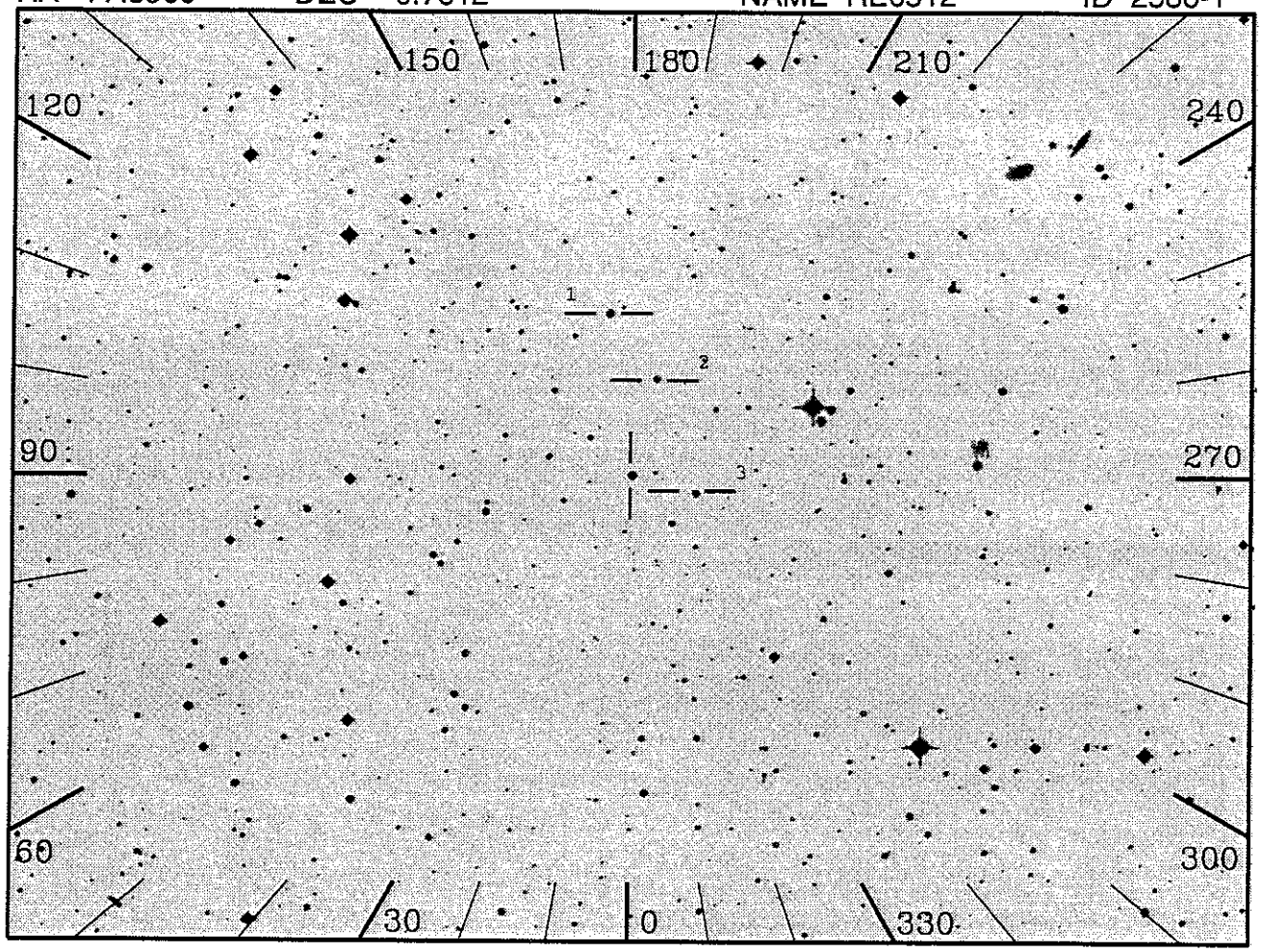
20", 1000(s), Night



ID: 2577-1 H=Prime SciPgm= G12
Names: RE1738
Info: DA1 V=14.65 m(1500)=9.4
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Star has a magnetic field.
IUE data used for simulated spectrum is
that of GD153 (2517).

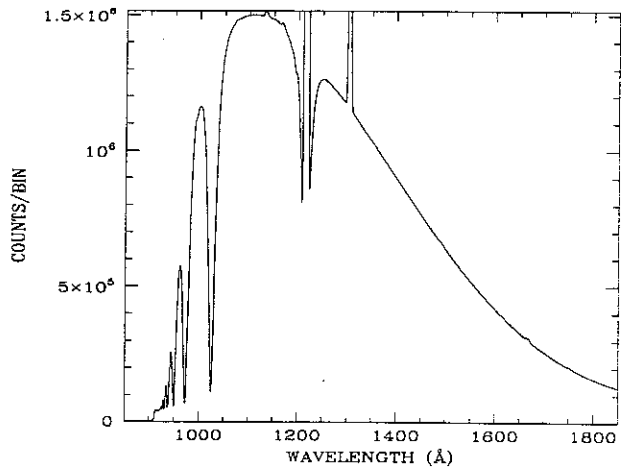


RA 77.3900 DEC -0.7612 NAME RE0512 ID 2586-1

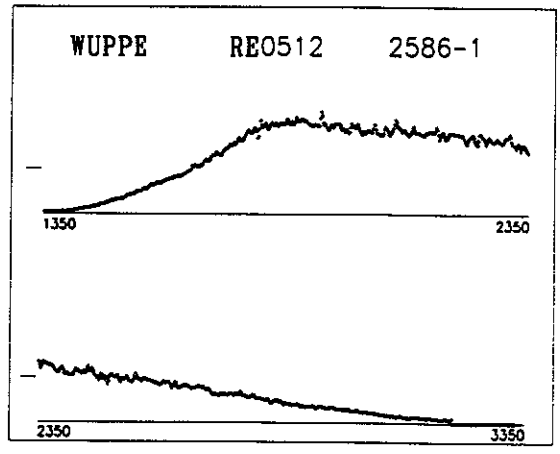


OBJECT: 2586 RE0512
KEYWORDS: Hot DA White Dwarf
COMMENTS:
Teff = 32,000 K, log g = 7.3
A.K.A. WD0509-007, RE0512-004
Important target given extremely low gravity

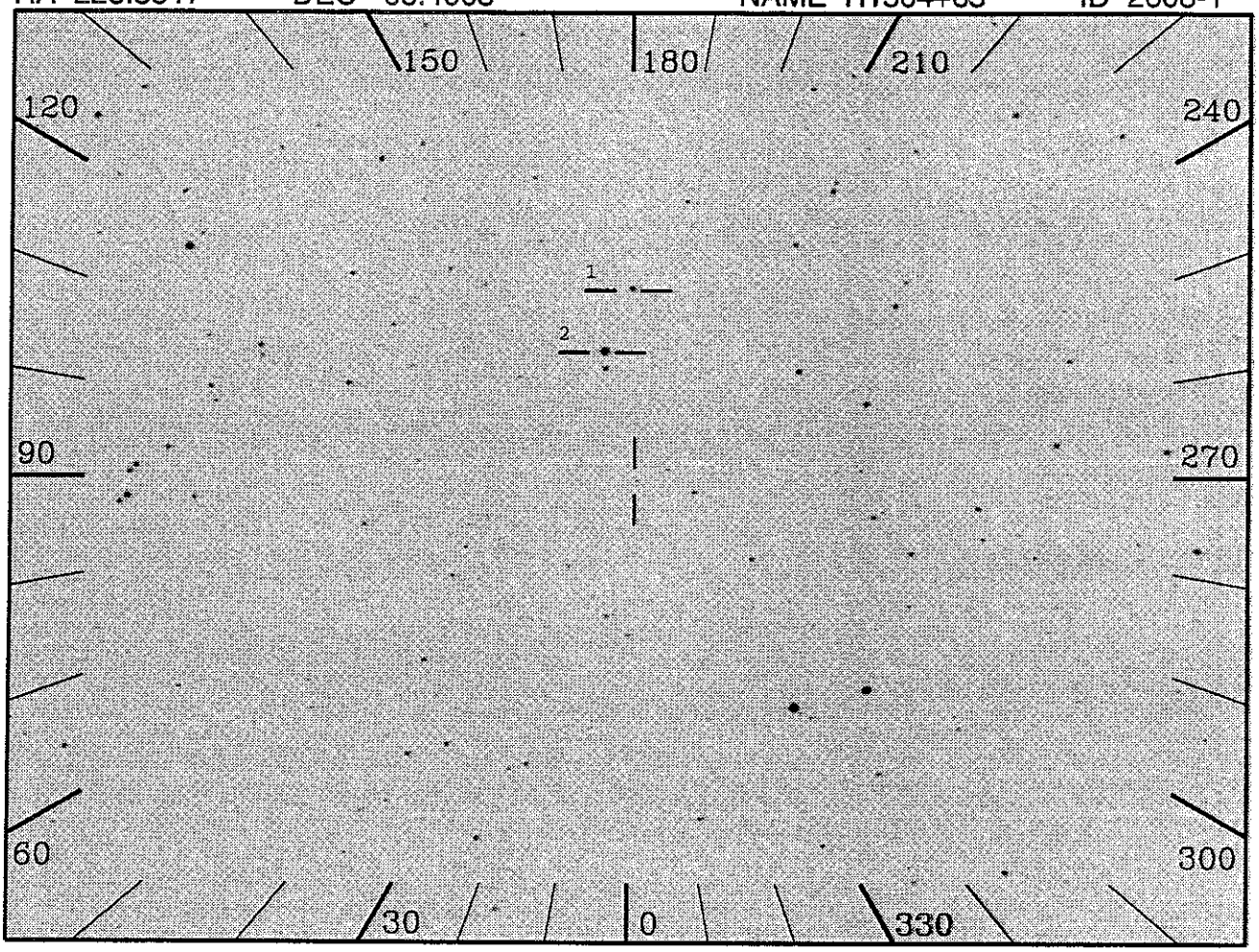
20", 1000(s), Night



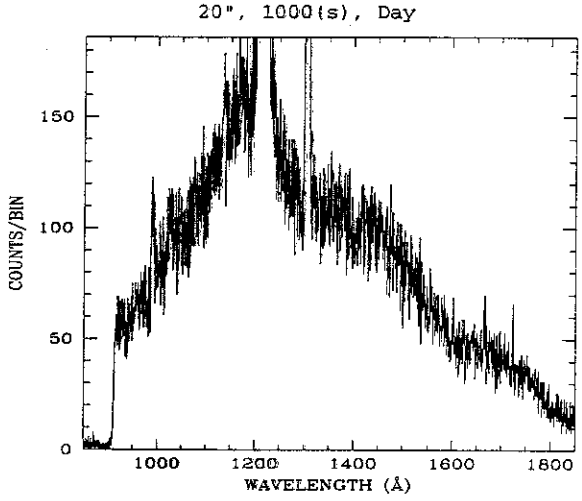
ID: 2586-1 H=Prime SciPgm= G12
Names: RE0512
Info: DA2 V=13.8 m(1500)=9.1
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
IUE data used for simulated spectrum is that of GD153 (2517).



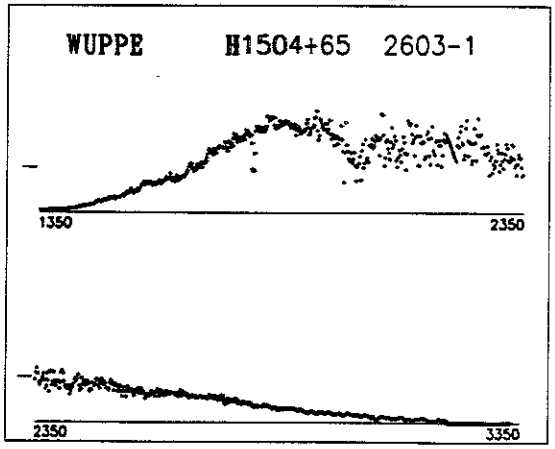
RA 225.3517 DEC 66.4005 NAME H1504+65 ID 2603-1



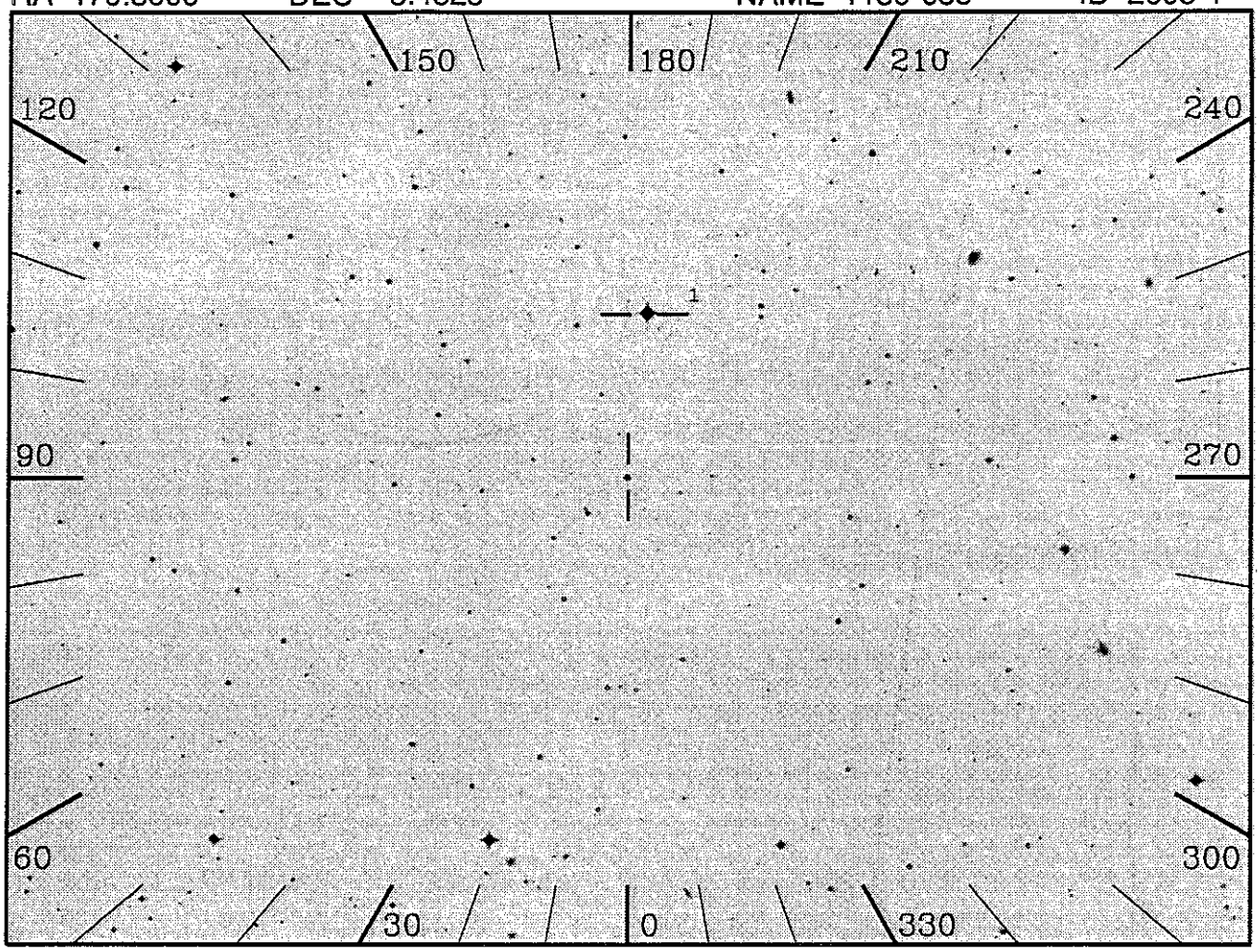
OBJECT: 2603-10 H1504+65
KEYWORDS: DZQ1 PG1159 object(?)
COMMENTS:
Hutsim: 160000 K blackbody,, normalized to IUE
Neither H nor He has been seen in this object



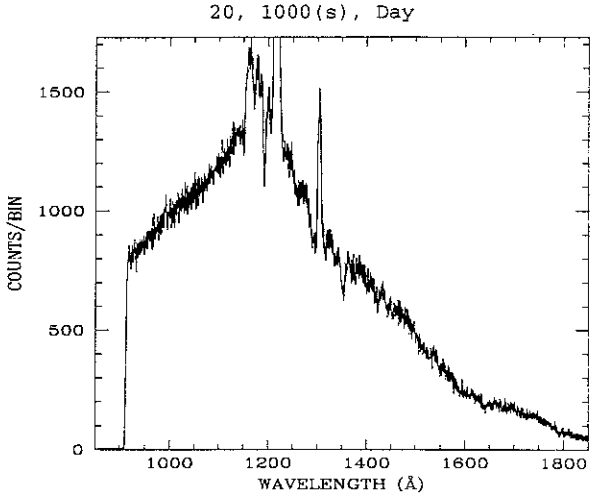
ID: 2603-1 H=Prime SciPgm= H01
Names: H1504+65
Info: DZQ1 V=16.24 Wupmag=11.8
% Pol:
Pos Ang:
Mechanism:
Comments:
General study of magnetic/pulsating white dwarfs.



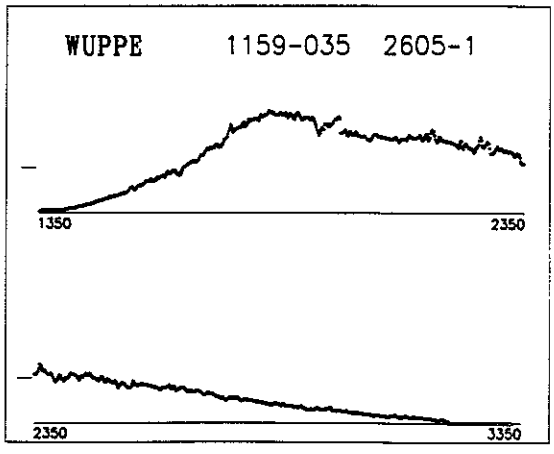
RA 179.8000 DEC -3.4825 NAME 1159-035 ID 2605-1



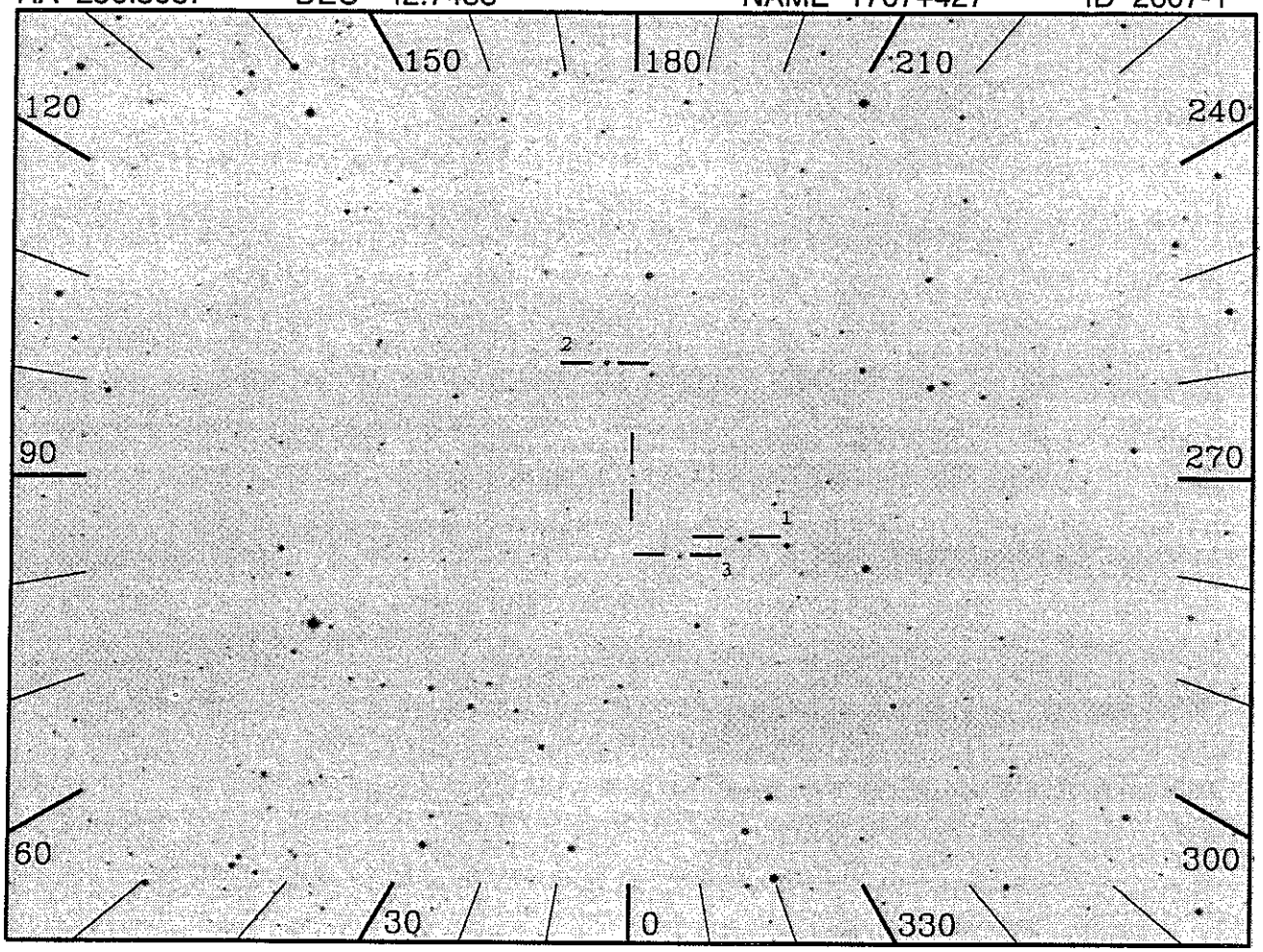
OBJECT: 2605 1159-035
KEYWORDS: Prototype PG 1159 star
COMMENTS:
Hot pulsating (pre?)white dwarf
Teff = 140000 log g = 7
Pulsation: 125 periods found, from 385 to 1000 sec
Hutsim: IUE swp7190 + 150000K blackbody below 1150 A



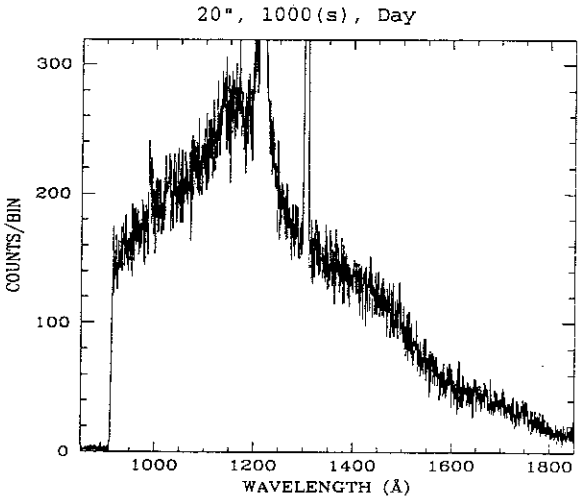
ID: 2605-1 H=Prime SciPgm= H01
Names: 1159-035
Info: WD V= Wupmag=10.5
% Pol:
Pos Ang:
Mechanism:
Comments:
Pulsating white dwarf. Magnetic components.



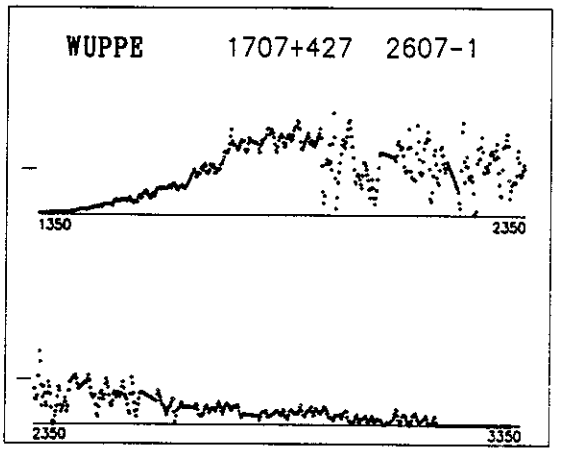
RA 256.8087 DEC 42.7458 NAME 1707+427 ID 2607-1



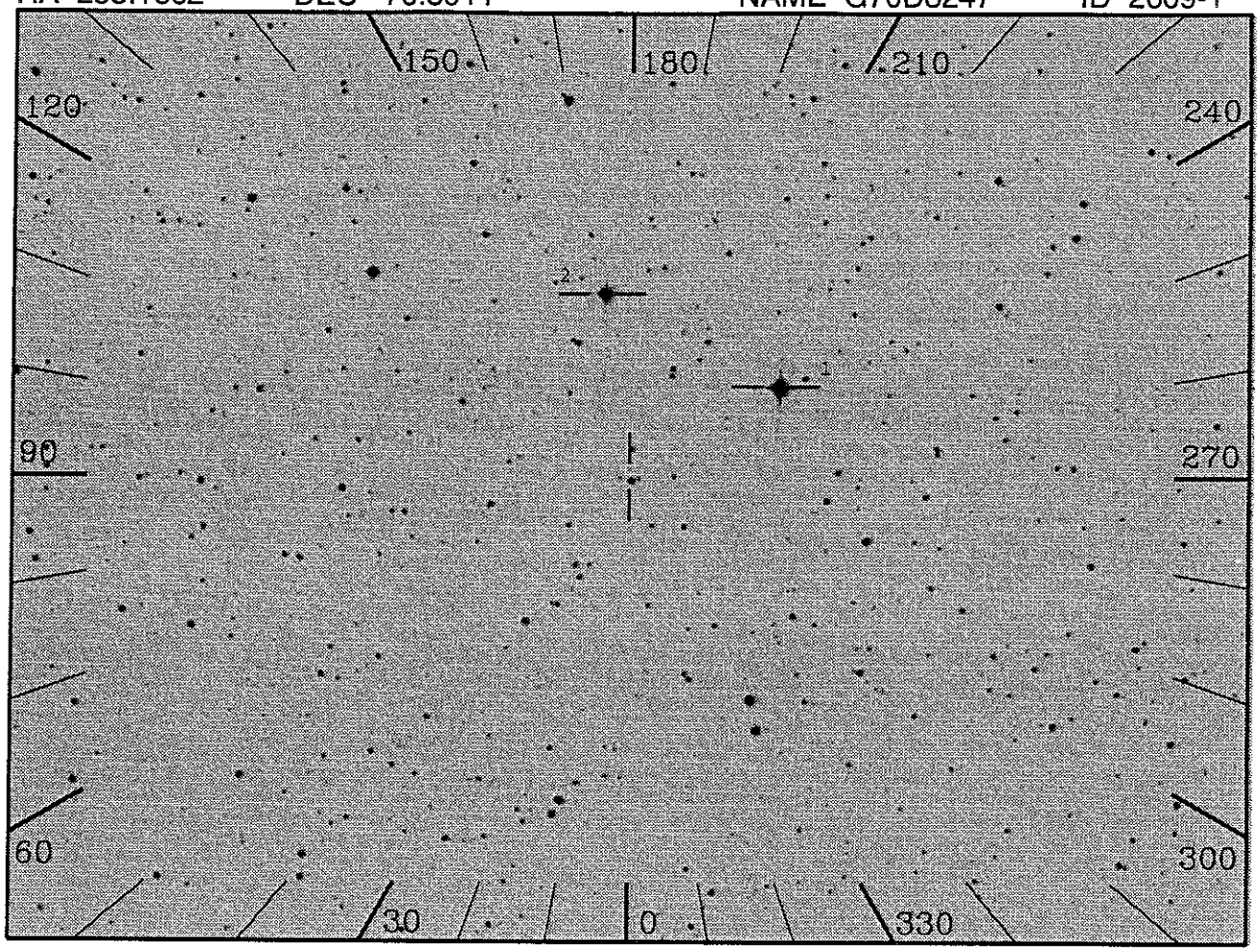
OBJECT: 2607-10 1707+427
KEYWORDS: DOZ1 pulsating PG1159 object
COMMENTS:
Hutsim: 100000 K blackbody normalized to IUE
Pulsation periods: 448s & 335s
Pulsation amplitude: ~10%



ID: 2607-1 H=Prime SciPgm= H01
Names: 1707+427
Info: DOZ1 V=16.4 Wupmag=12.9
% Pol:
Pos Ang:
Mechanism:
Comments:
General study of magnetic/pulsating white dwarfs.

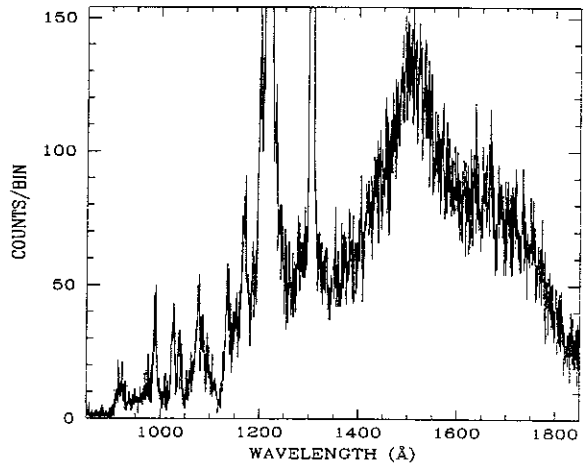


RA 285.1662 DEC 70.5911 NAME G70D8247 ID 2609-1

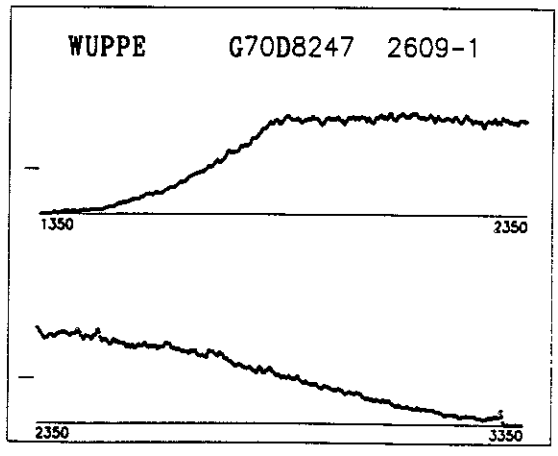


OBJECT: 2609-11 G70D8247
KEYWORDS: high magnetic field (~500MG) white dwarf
COMMENTS:
Hutsim: Astro-1 flux

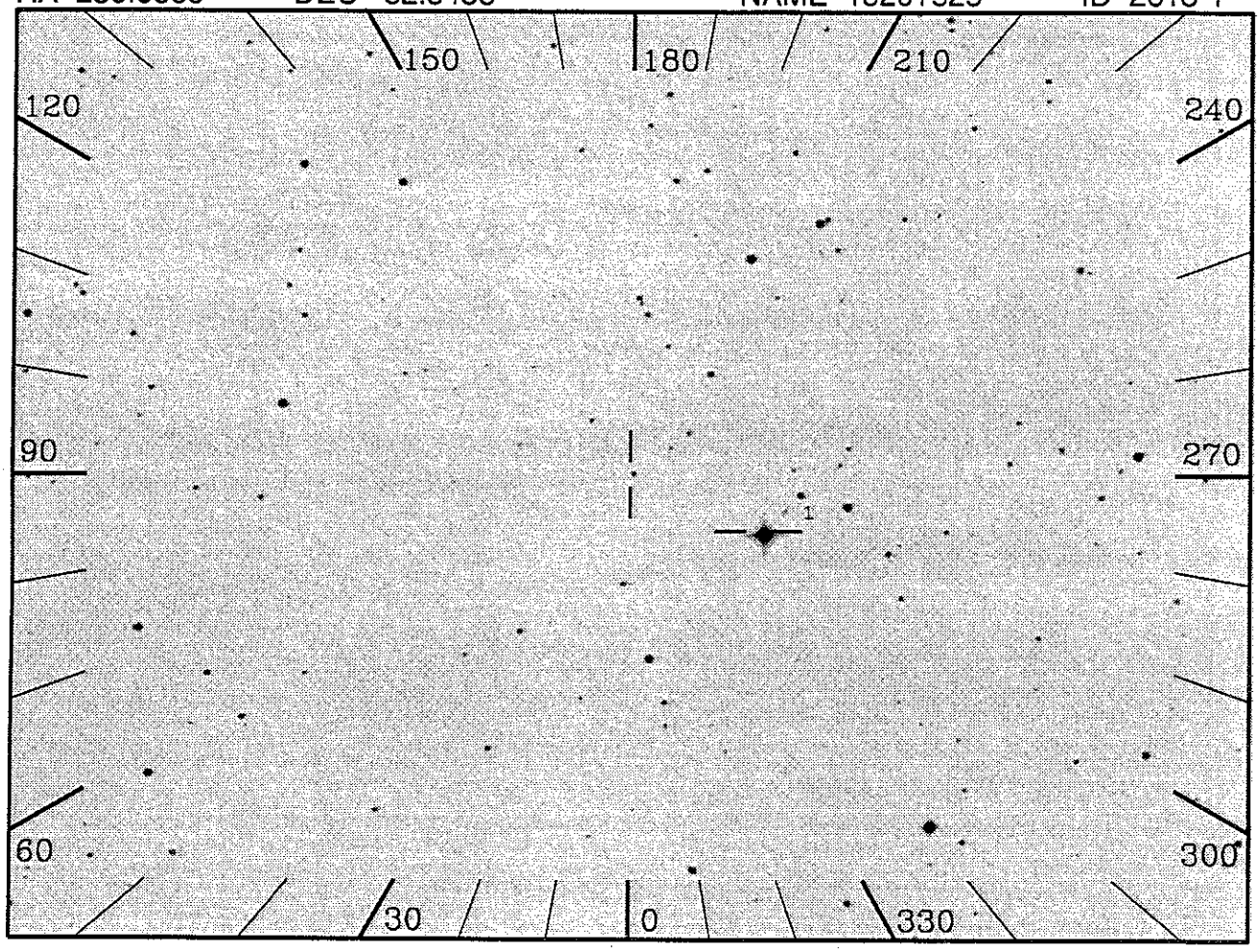
20", 1000(s), Day



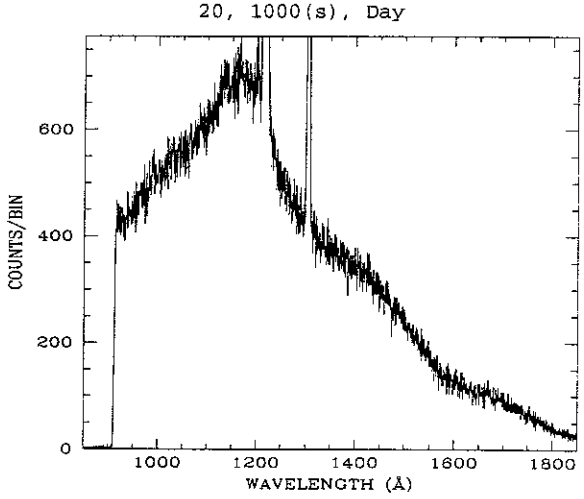
ID: 2609-1 W=Prime SciPgm= W41
Names: G70D8247 GRW
Info: DXP5 V=13.1 Wupmag=11.2
% Pol: 2.90
Pos Ang: 20.3
Mechanism: Magnetic dichroism
Comments:
Field up to 500 MG. General study of magnetic/pulsating white dwarfs. Observed during Astro-1.



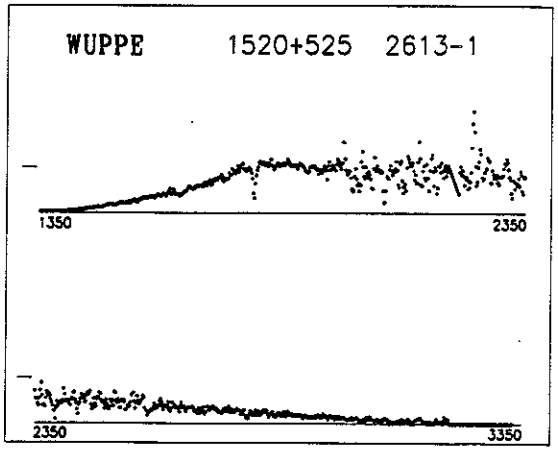
RA 230.0833 DEC 52.5458 NAME 1520+525 ID 2613-1



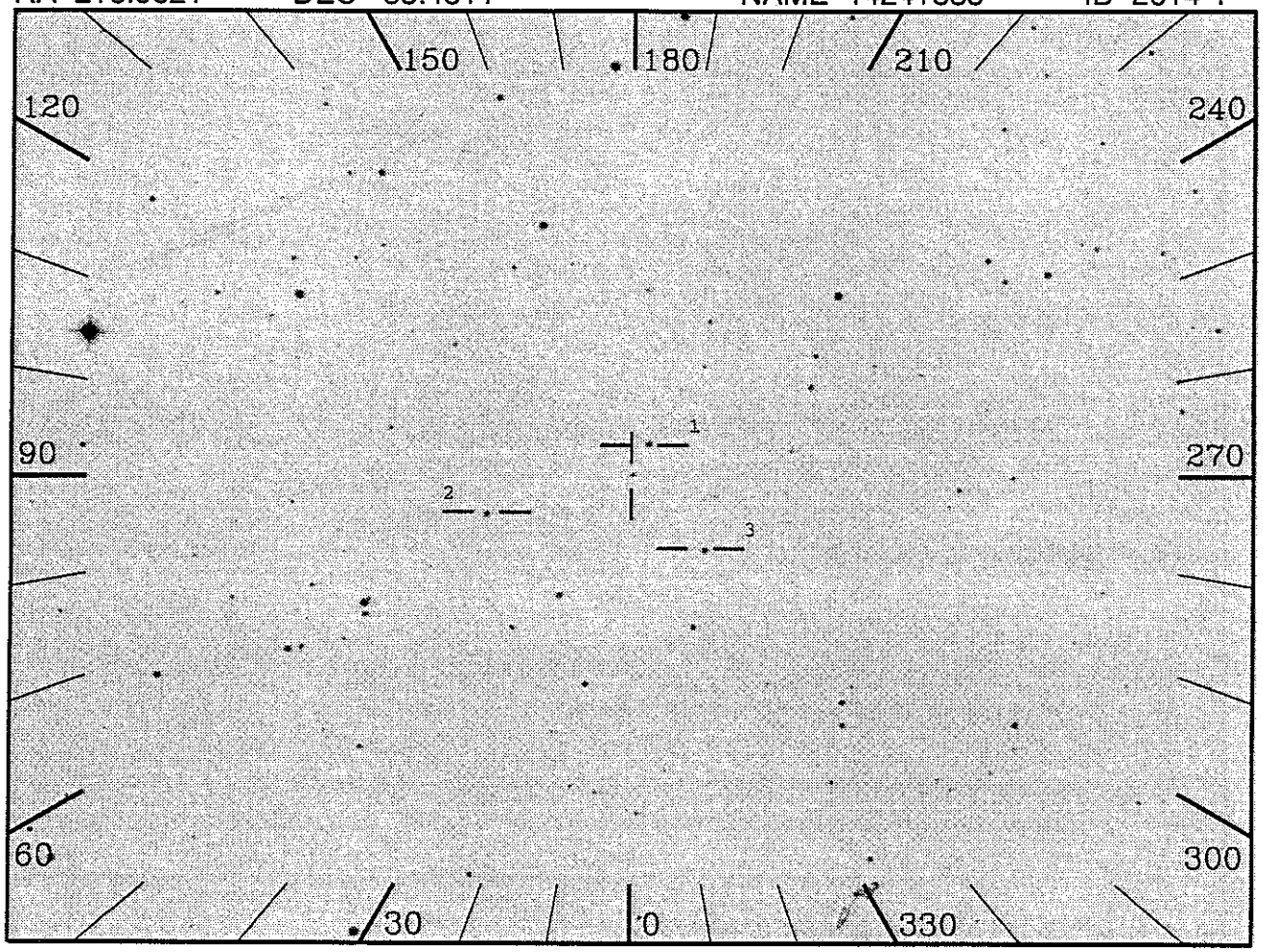
OBJECT: 2613-10 1520+525
KEYWORDS: DOQZ1 PG1159 object
COMMENTS:
Hutsim: 140000 K blackbody normalized to IUE
No variablility detected, but similar in temp and composition to PG1150-035



ID: 2613-1 H=Prime SciPgm= H01
Names: 1520+525
Info: DOZ1 V=16.6 Wupmag=10.4
% Pol:
Pos Ang:
Mechanism:
Comments:
General study of magnetic/pulsating white dwarfs.

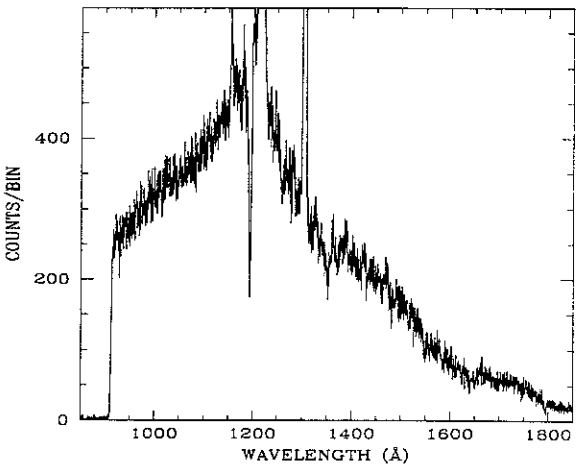


RA 216.0621 DEC 53.4811 NAME 1424+535 ID 2614-1

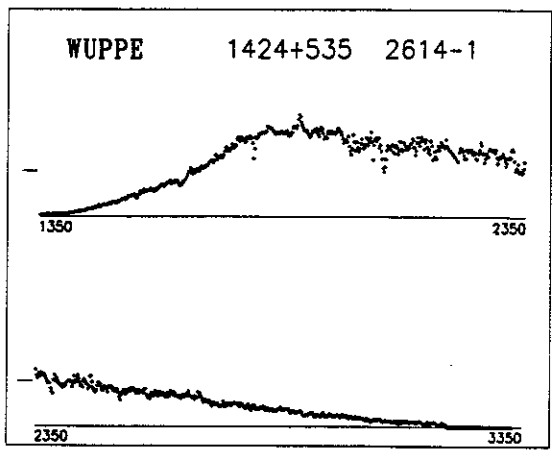


20, 1000(s), Day

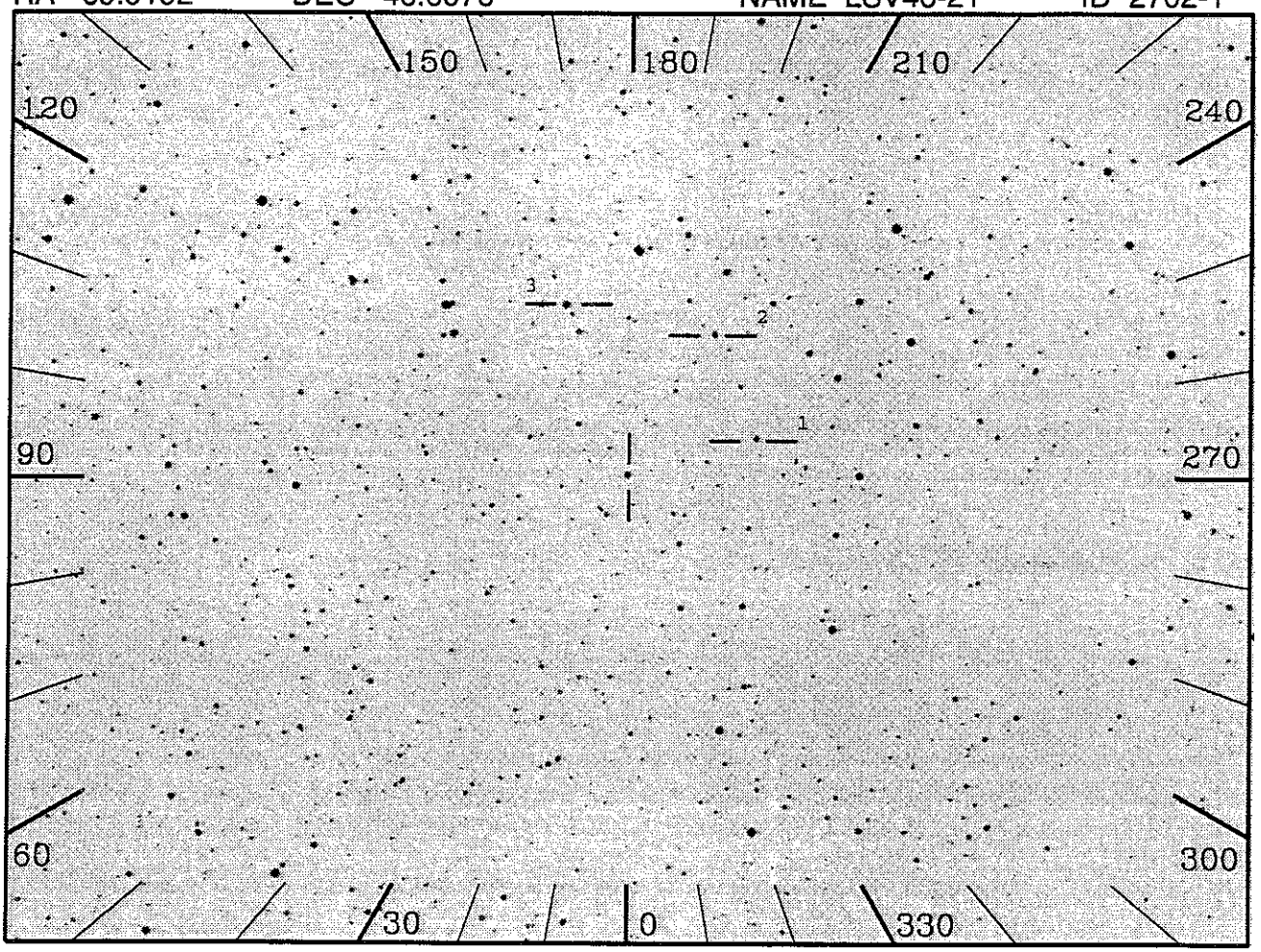
OBJECT: 2614 1424+535
KEYWORDS: Cool non-pulsating PG 1159 star
COMMENTS:
Hot (pre?)white dwarf
Teff = 100000 log g = 7
Pulsations: upper limit = 1 mmag
Hutsim: IUE SWP19767 + blackbody below 1150.



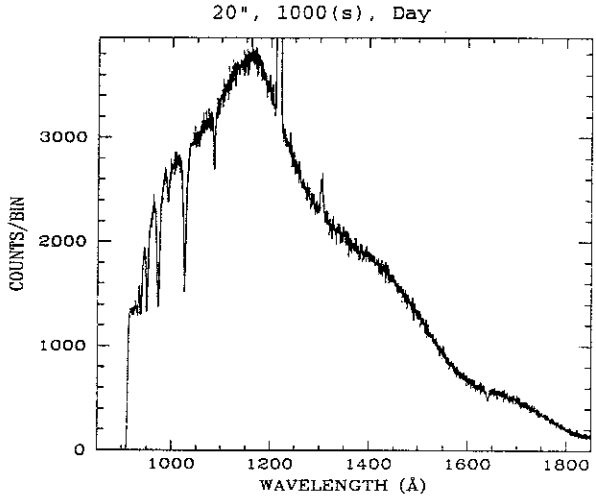
ID: 2614-1 H=Prime SciPgm= H01
Names: 1424+535
Info: V= Wupmag=11.5
% Pol:
Pos Ang:
Mechanism:
Comments:
General study of magnetic/pulsating white dwarfs.



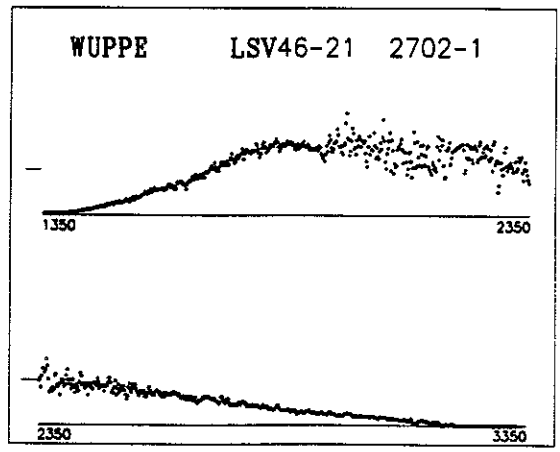
RA 69.9192 DEC 46.6076 NAME LSV46-21 ID 2702-1



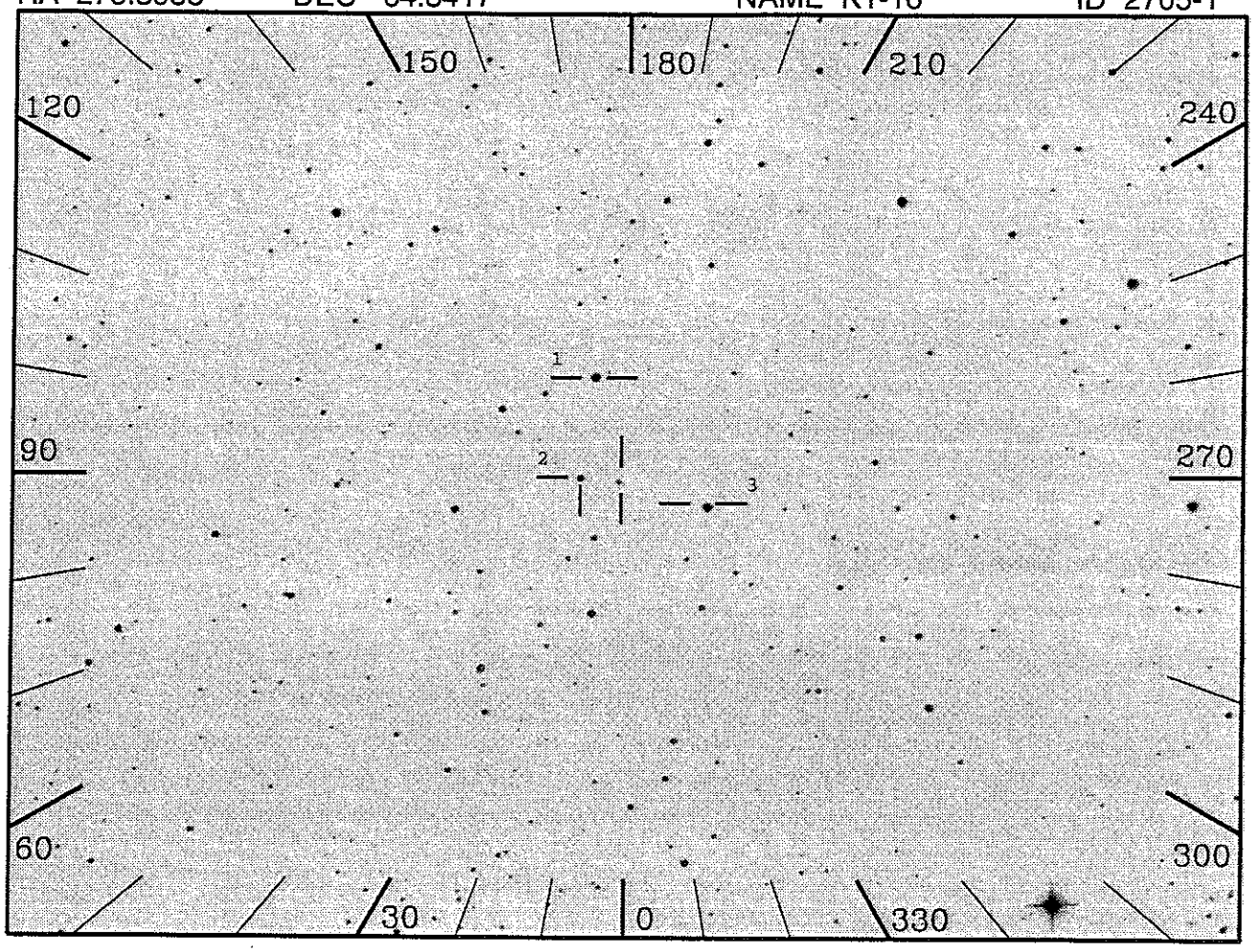
OBJECT: 2702 LSV46-21
KEYWORDS: Hot DAO white dwarf
COMMENTS:
Central star of PN S-216
Prototype "Balmer line problem" star:
depending on line selected for fitting:
Teff = 77300, 83800 log g = 7.31, 7.17
Hutsim: Napiwotzki model



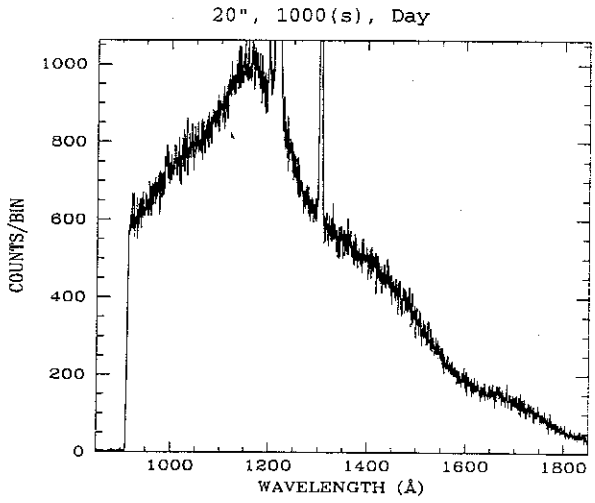
ID: 2702-1 H=Prime SciPgm= H01
Names: LSV46-21
Info: B V=12.3 Wupmag=8.25
% Pol:
Pos Ang:
Mechanism:
Comments:
No polarization likely.



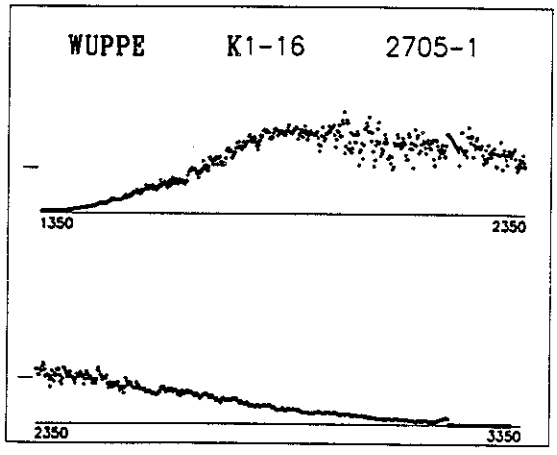
RA 275.3958 DEC 64.3417 NAME K1-16 ID 2705-1



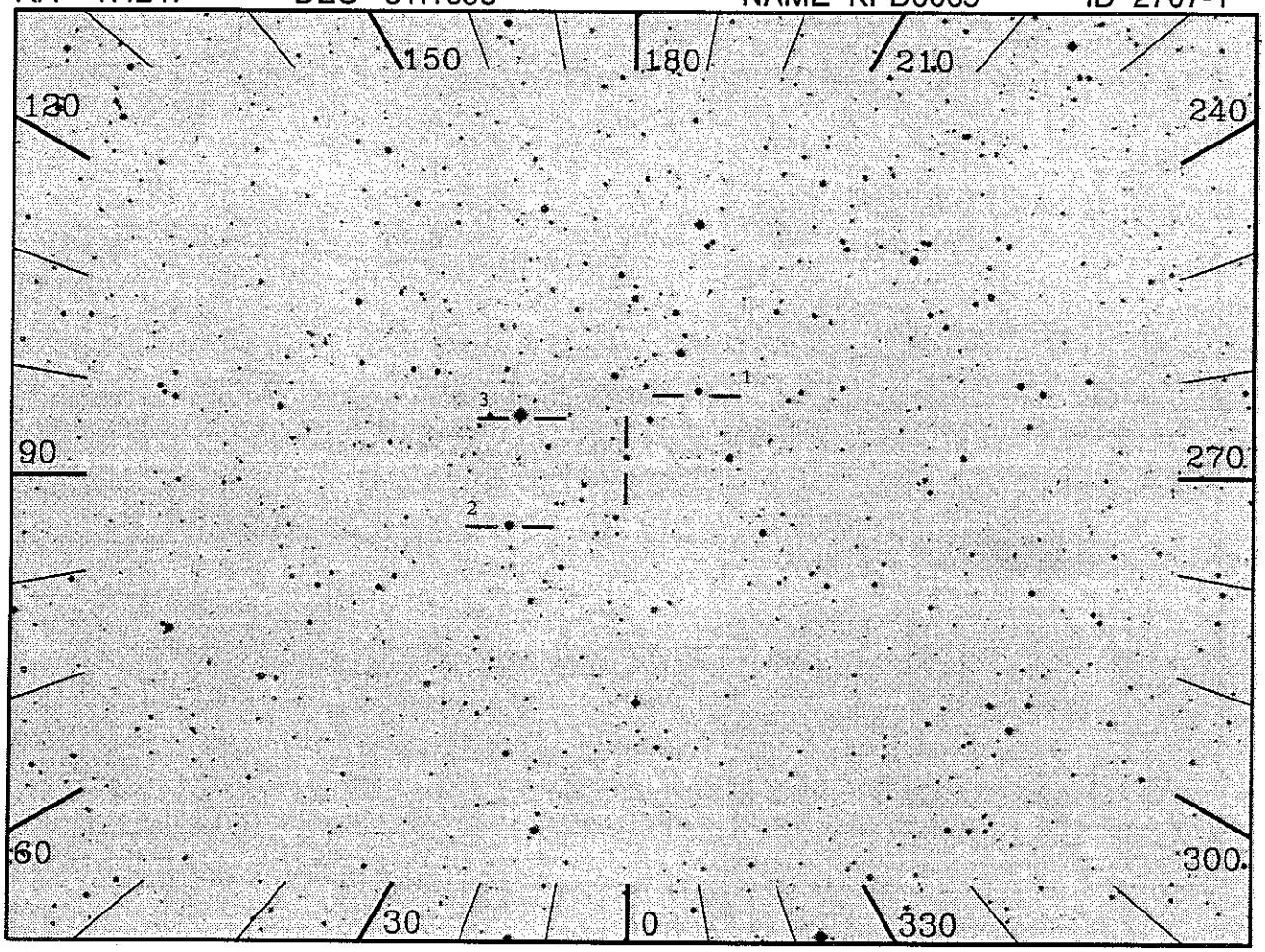
OBJECT: 2705 K1-16
KEYWORDS: Hot pulsating PG1159 type CSPN
COMMENTS:
Teff = 130000K log g=5.5
Pulsation period = 28.3 min
Pulsation amplitude = 0.01 mag



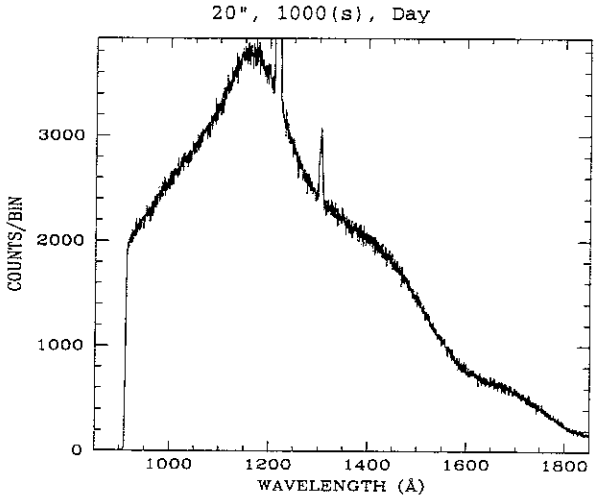
ID: 2705-1 H=Prime SciPgm= H01
Names: K1-16
Info: V=15.1 Wupmag=10.6
% Pol:
Pos Ang:
Mechanism:
Comments:
In a planetary nebula, but nebula is faint.



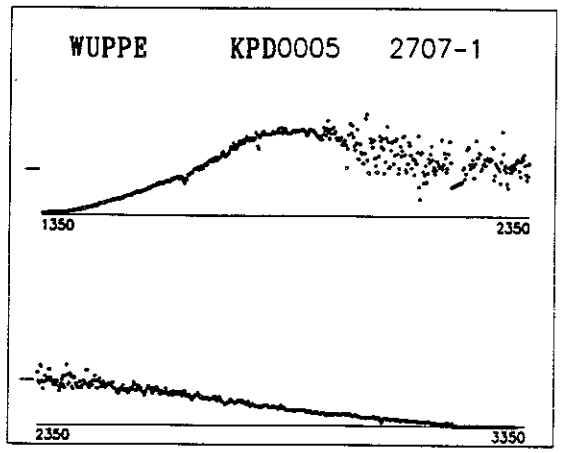
RA 1.4247 DEC 51.1098 NAME KPD0005 ID 2707-1



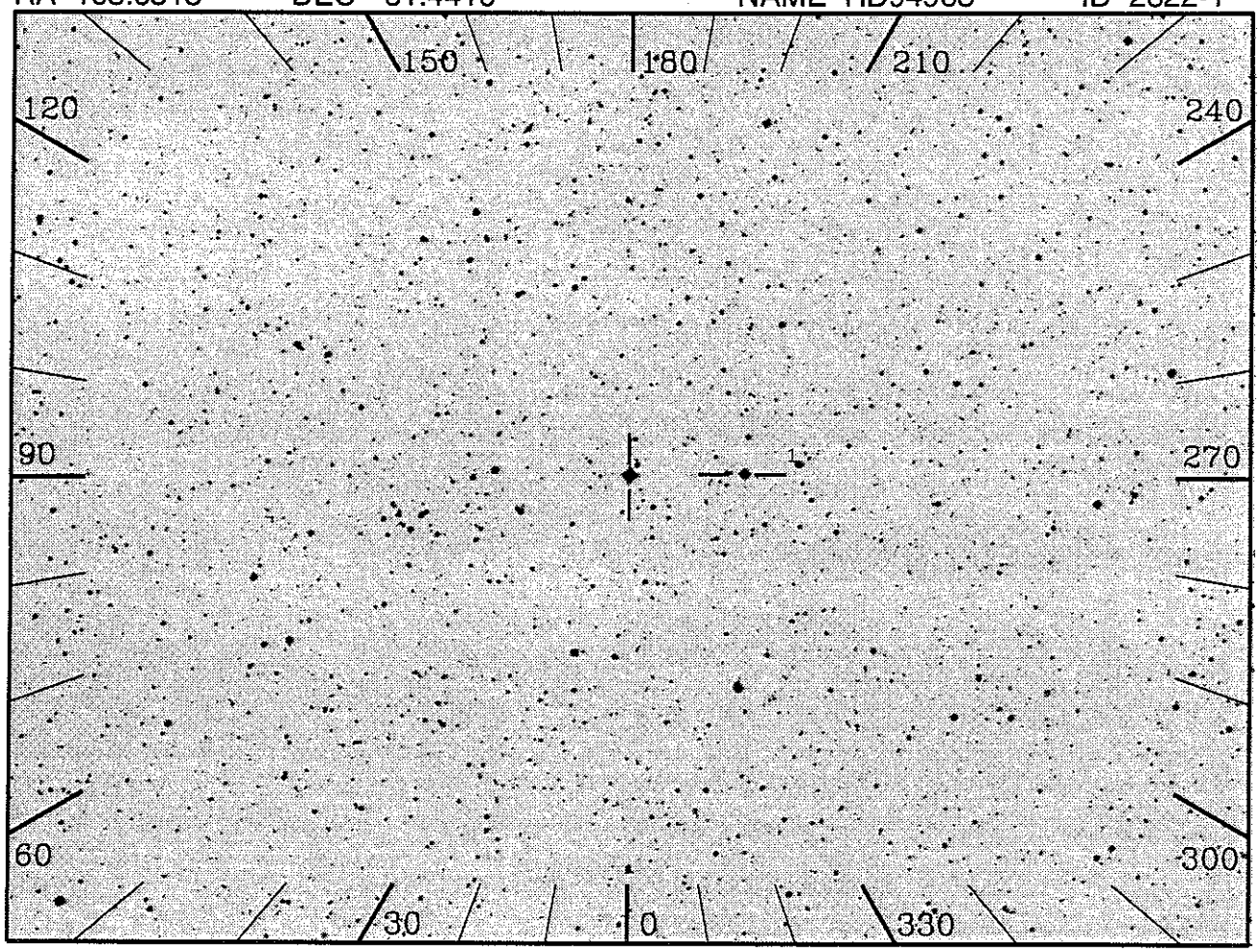
OBJECT: 2707-10 KPD0005
KEYWORDS: DOZ1 Post-PG1159 Object?
COMMENTS:
Hutsim: 80000 K blackbody normalized to IUE



ID: 2707-1 H=Prime SciPgm= H01
Names: KPD0005 5106
Info: DOZ1 V=13.32 Wupmag=9.09
% Pol:
Pos Ang:
Mechanism:
Comments:
Primary interest is in spectrum. Expect very blue continuum, but probably featureless.

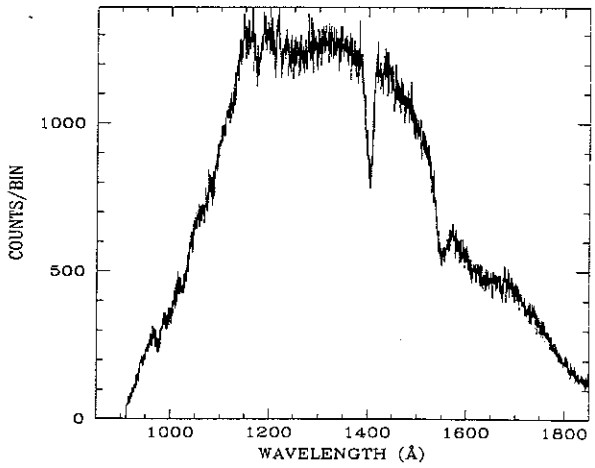


RA 163.6513 DEC -61.4416 NAME HD94963 ID 2822-1

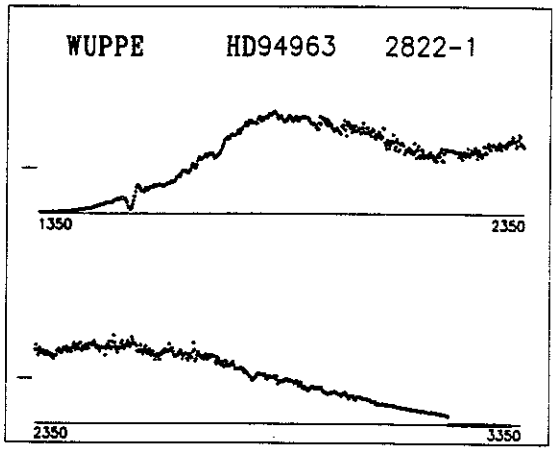


20", 1000(s), Day

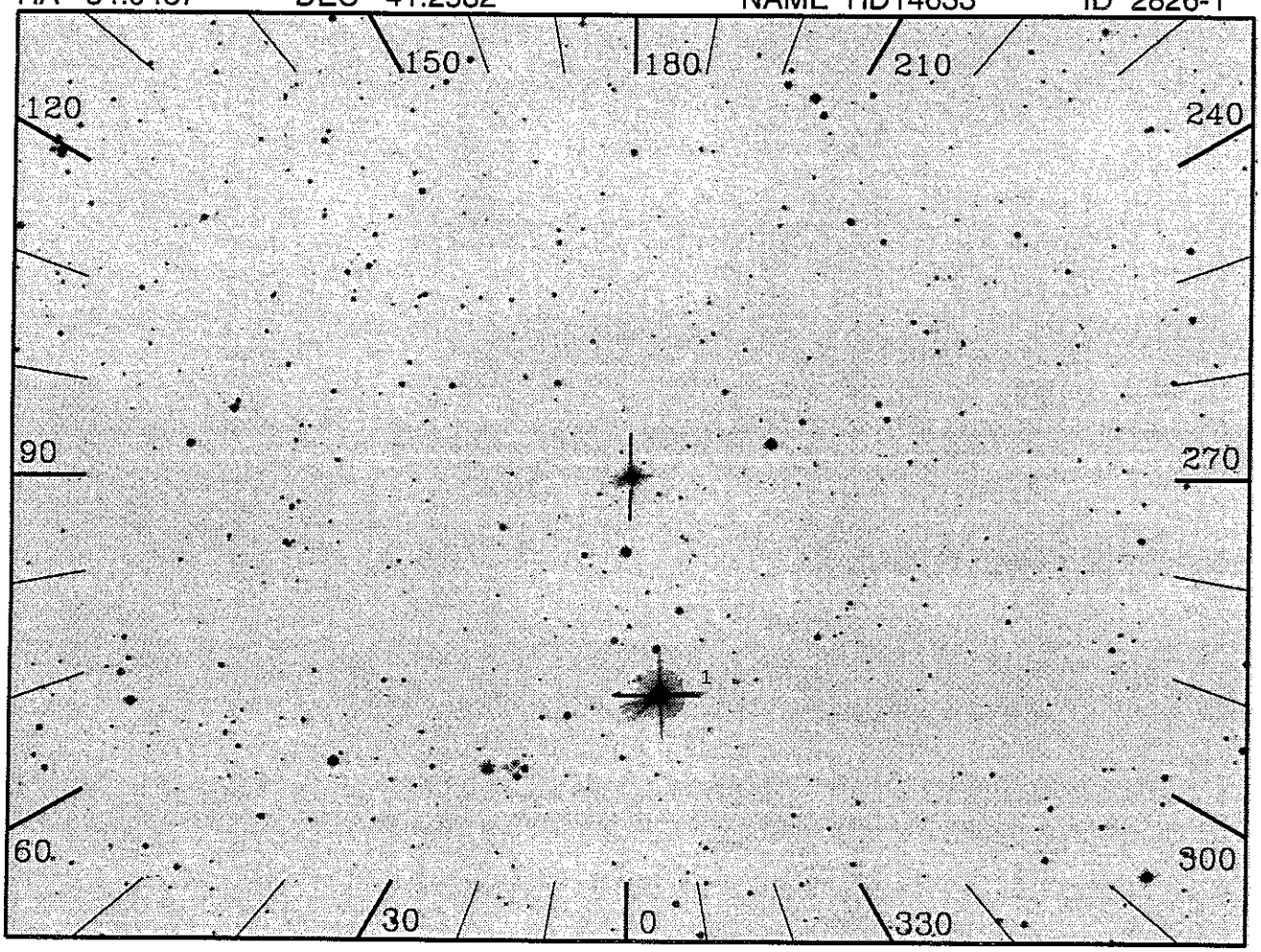
OBJECT: HD94963
KEYWORDS: Emission line star
COMMENTS:
V=7.12 B-V=-0.09 E(B-V)=0.243 spectype=O6.5III
Flux_1565 = 1.02e-10
Initial_expected_rate = 1379 cts/sec
Reddening is normal
The simulation is a Kurucz model without any emission lines added.



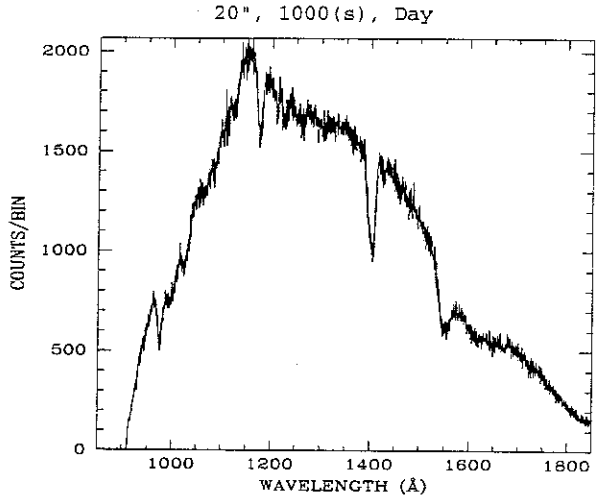
ID: 2822-1 H=Prime SciPgm= H14
Names: HD94963 S251187
Info: O6.5III V= 7.15 Wupmag=4.6
% Pol: 0.53
Pos Ang: 111.6
Mechanism: partly ISM; partly intrinsic
Comments:
E(B-V)=.20
Other MK classification is O8e.
IUE data used for simulated spectrum is that of HD159176 (4589).



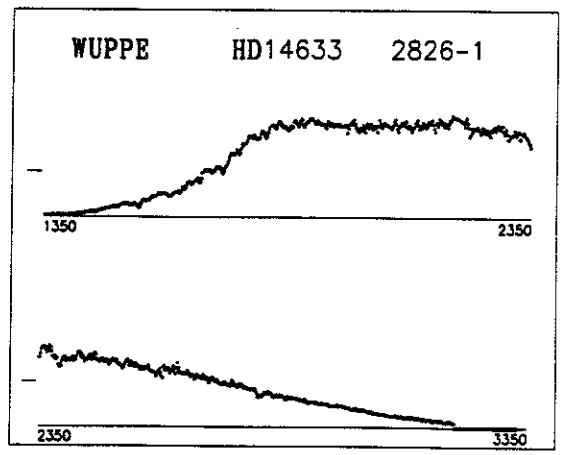
RA 34.9437 DEC 41.2532 NAME HD14633 ID 2826-1



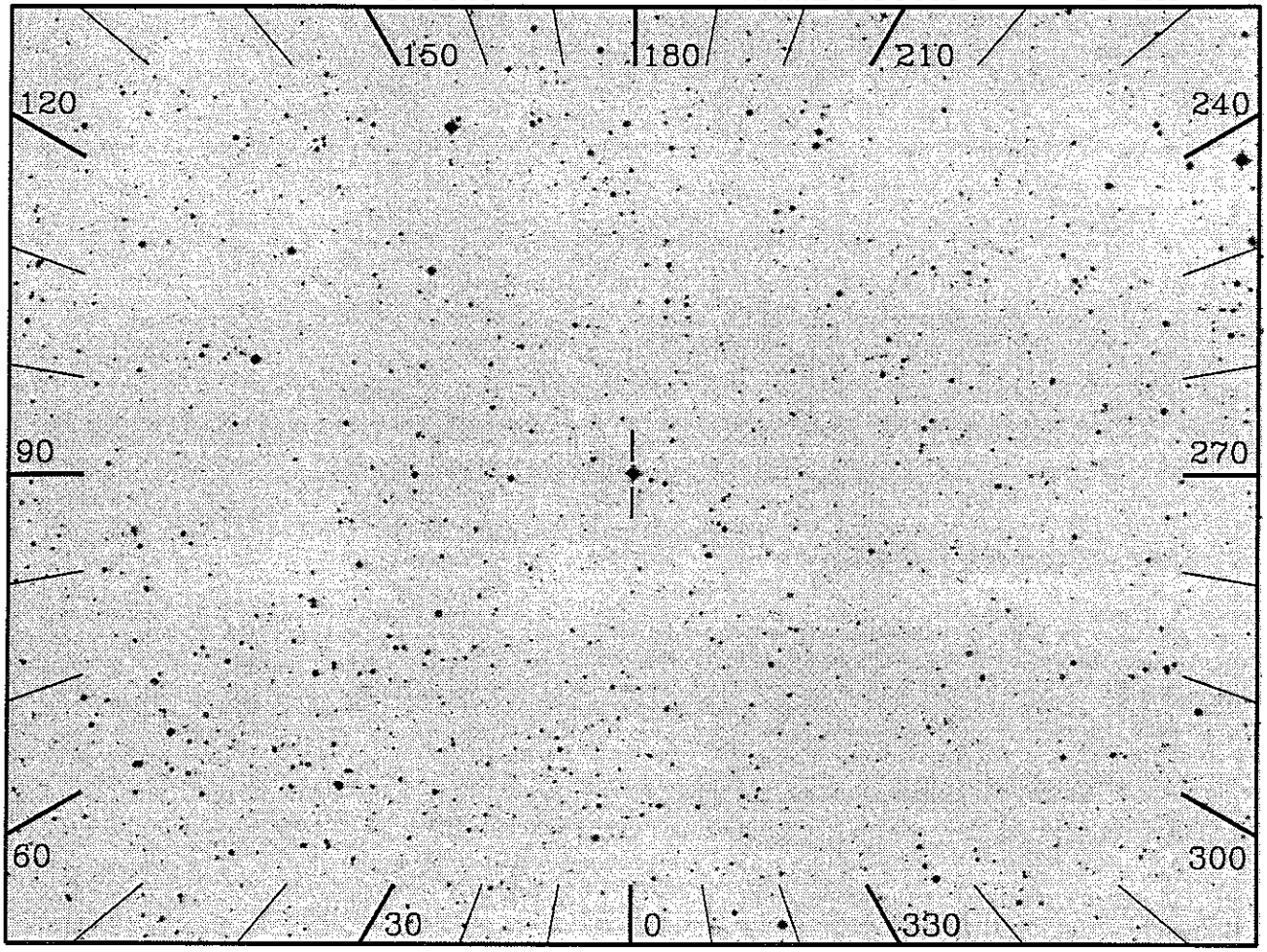
OBJECT: HD14633
KEYWORDS: Spectroscopic binary
COMMENTS:
V=7.47 B-V=-0.21 E(B-V)=0.1 spectype=ON8V
Flux_1275 = 2.077e-10
Initial_expected_rate = 1898 cts/sec
Period may be 15 days
May actually be triple system
Companion(s) unseen in spectrum



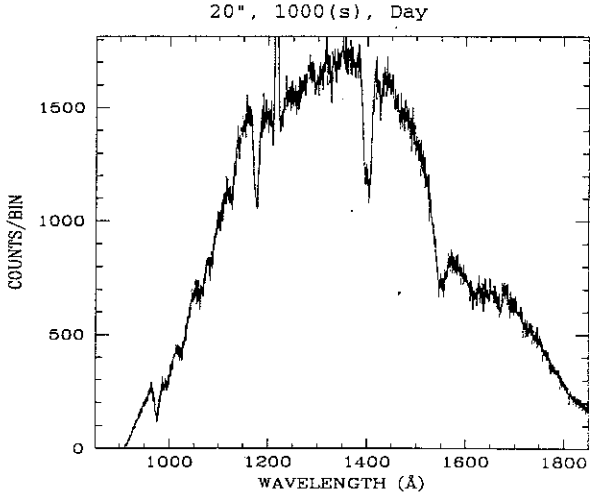
ID: 2826-1 H=Prime SciPgm= H14
Names: HD14633 S37987
Info: O8V V= 7.47 Wupmag=4.22
% Pol: 0.51
Pos Ang: 112.0
Mechanism: partly ISM
Comments:
E(B-V)=.22



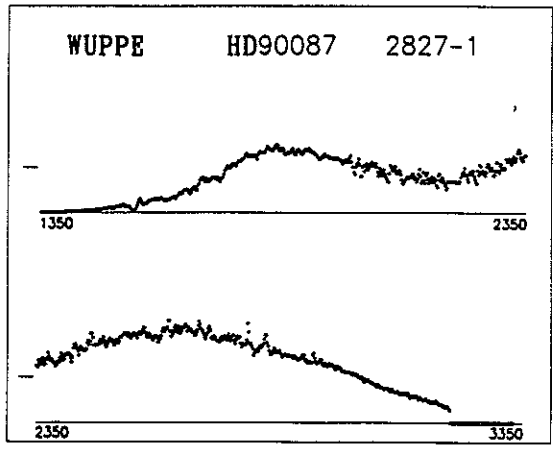
RA 155.1443 DEC -59.5025 NAME HD90087 ID 2827-1



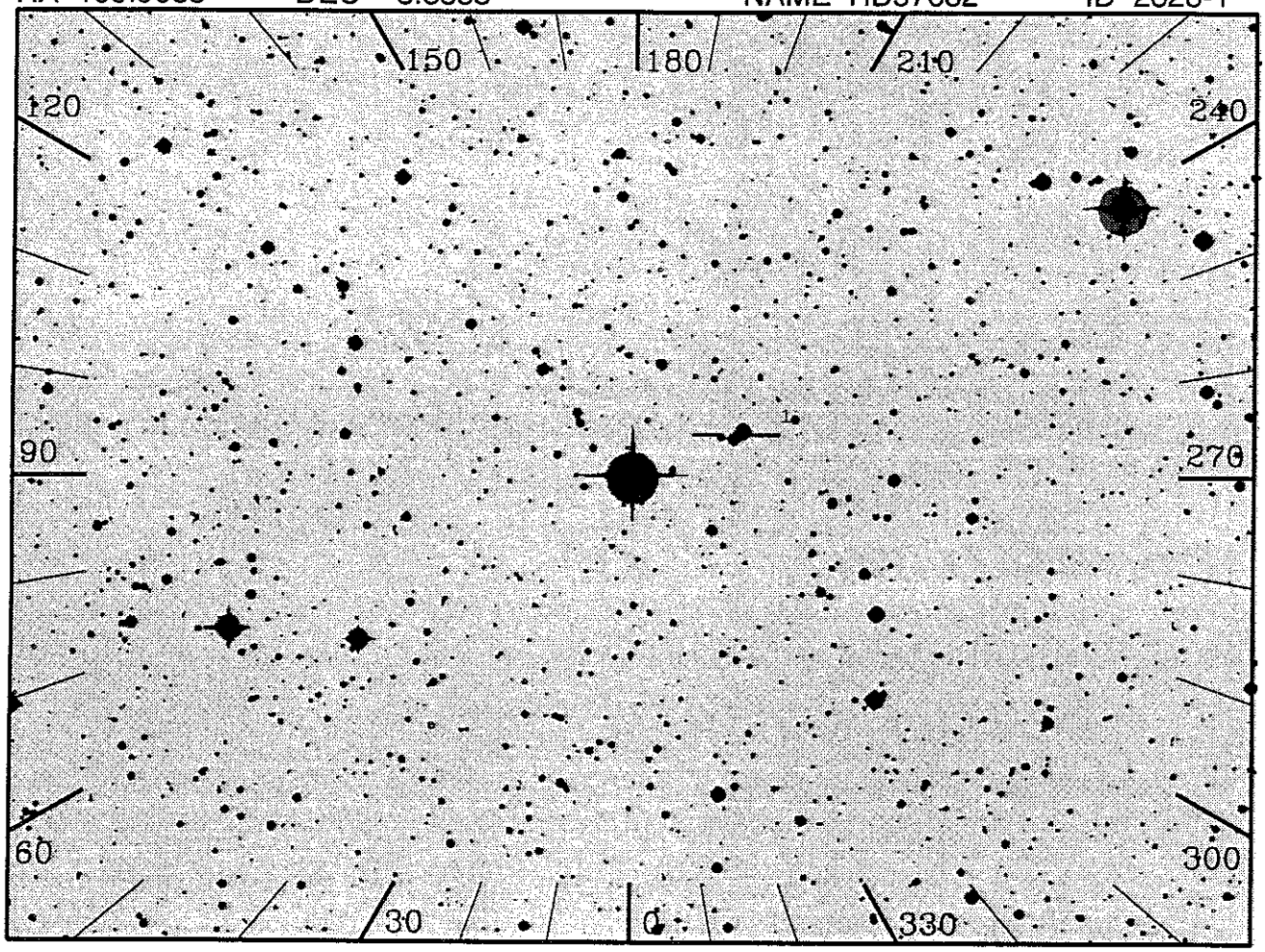
OBJECT: HD90087
KEYWORDS: Bright Giant Star
COMMENTS:
V=7.78 B-V=-0.02 E(B-V)=0.29 spectype=O9II
Flux_1565 = 2.68e-11
Initial_expected_rate = 1738 cts/sec
Reddening is high and may be abnormal



ID: 2827-1 H=Prime SciPgm= H14
Names: HD90087 S237995
Info: O9II V= 7.80 Wupmag=5.87
% Pol: 1.23
Pos Ang: 107.9
Mechanism: probably ISM
Comments:
E(B-V)=.30
Other MKN classification is O9.5V.
IUE data used for simulated spectrum
is that of HD207198 (4560).

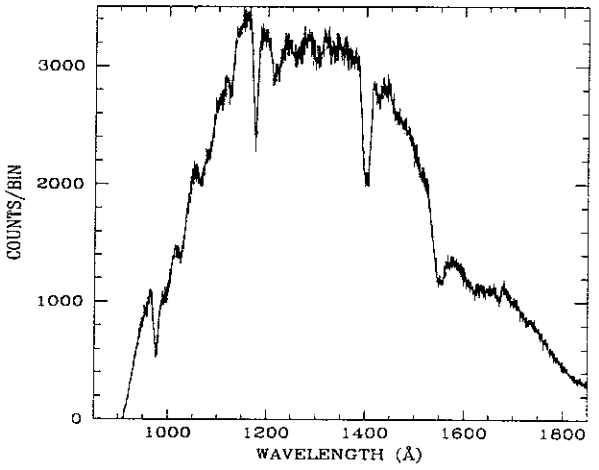


RA 109.9088 DEC -8.8833 NAME HD57682 ID 2828-1

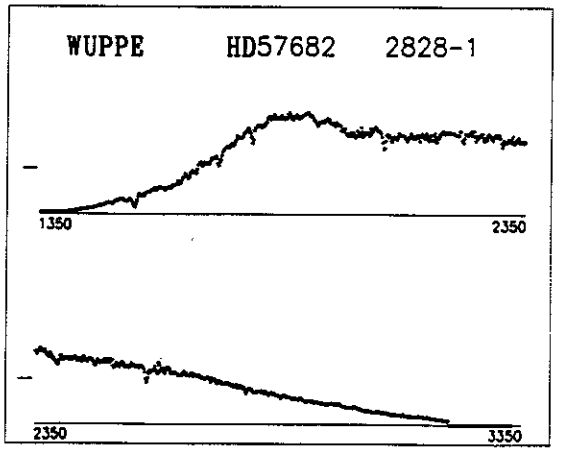


20, 1000(s), Day

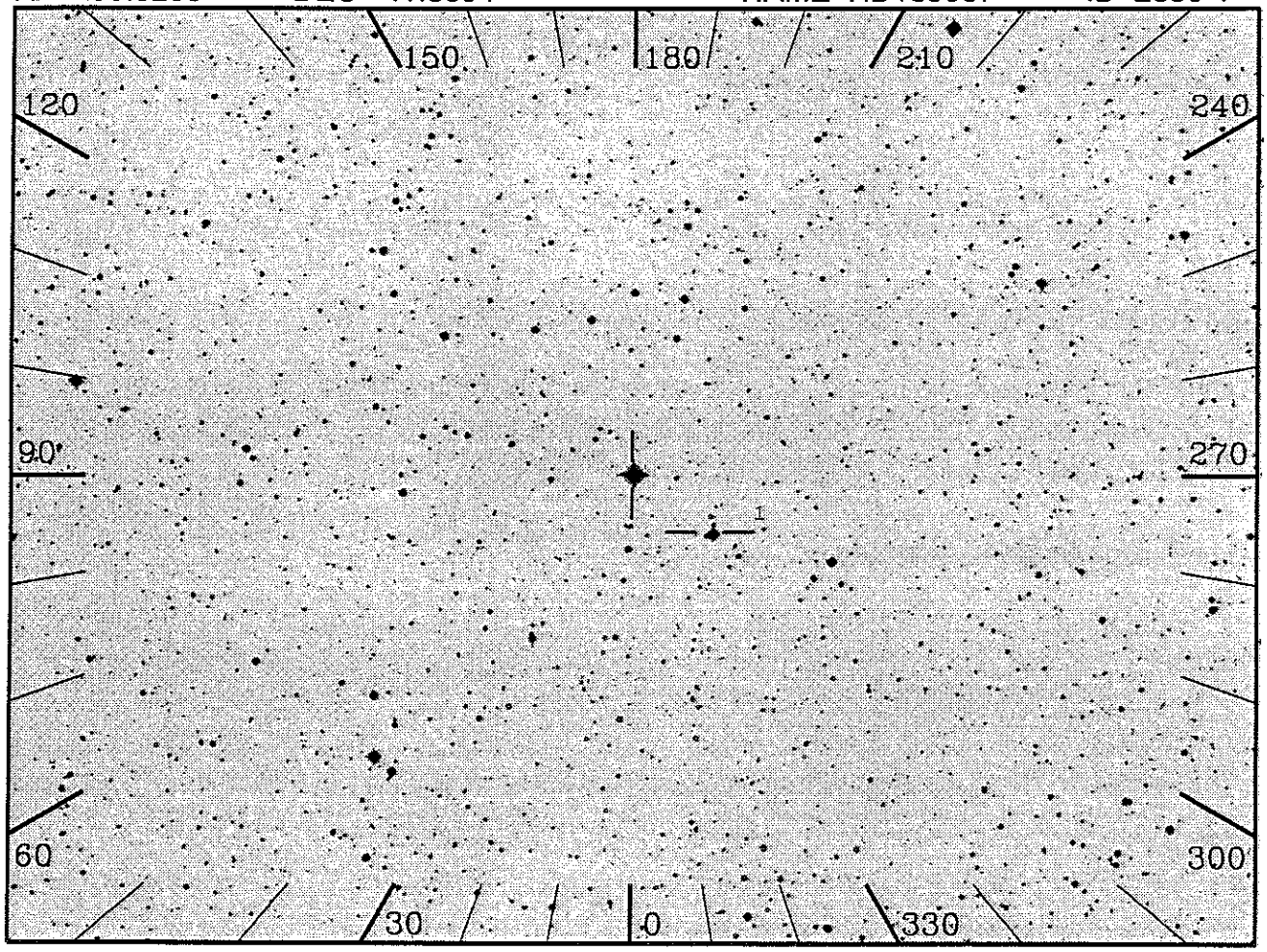
OBJECT: 2828 HD57682
KEYWORDS: Hot O Star with little reddening: standard
COMMENTS:
Few O dwarfs have such unreddened flux. Important spectral type for characterizing intrinsic stellar fluxes. Steep rising FUV flux expected.



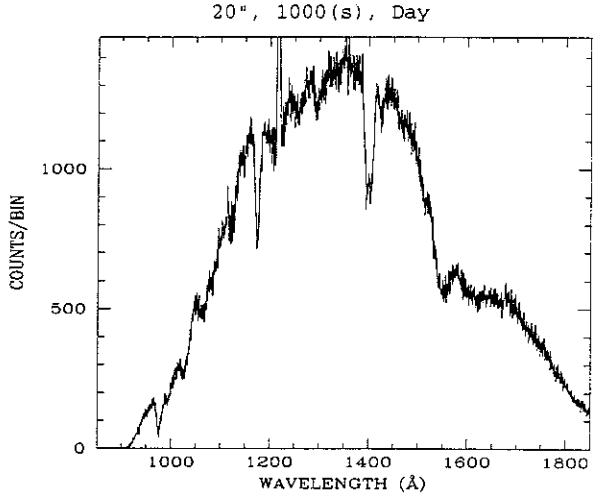
ID: 2828-1 H=Prime SciPgm= H14
Names: HD57682 S134580
Info: O9IV V= 6.40 Wupmag=3.26
% Pol: 0.37 Pos Ang: 0.0
Comments:-
Instrumental scattered light calibration for specific obs of Refl Neb and PNs.
Aper Offset Support Obs
8 -16,10 HD44179 (4204)
2 0,10 EtaCarH (4207)
8 0,-45 NGC7023 (4211)
8 0 (on star)
AP MAP FO MUST BE PERFORMED BEFORE THIS.
NOTE: DETECTOR IN FAST MODE FOR 4TH SEQUENCE.



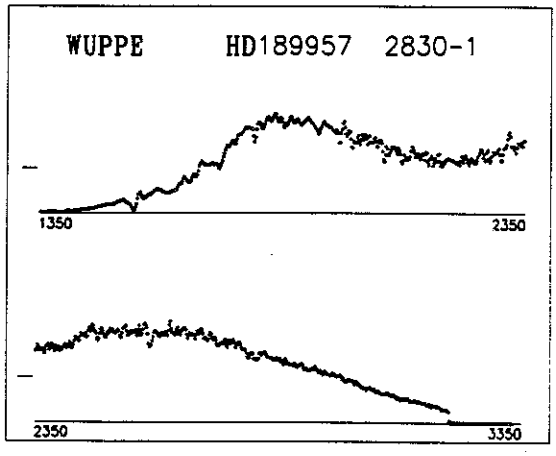
RA 299.8258 DEC 41.8694 NAME HD189957 ID 2830-1



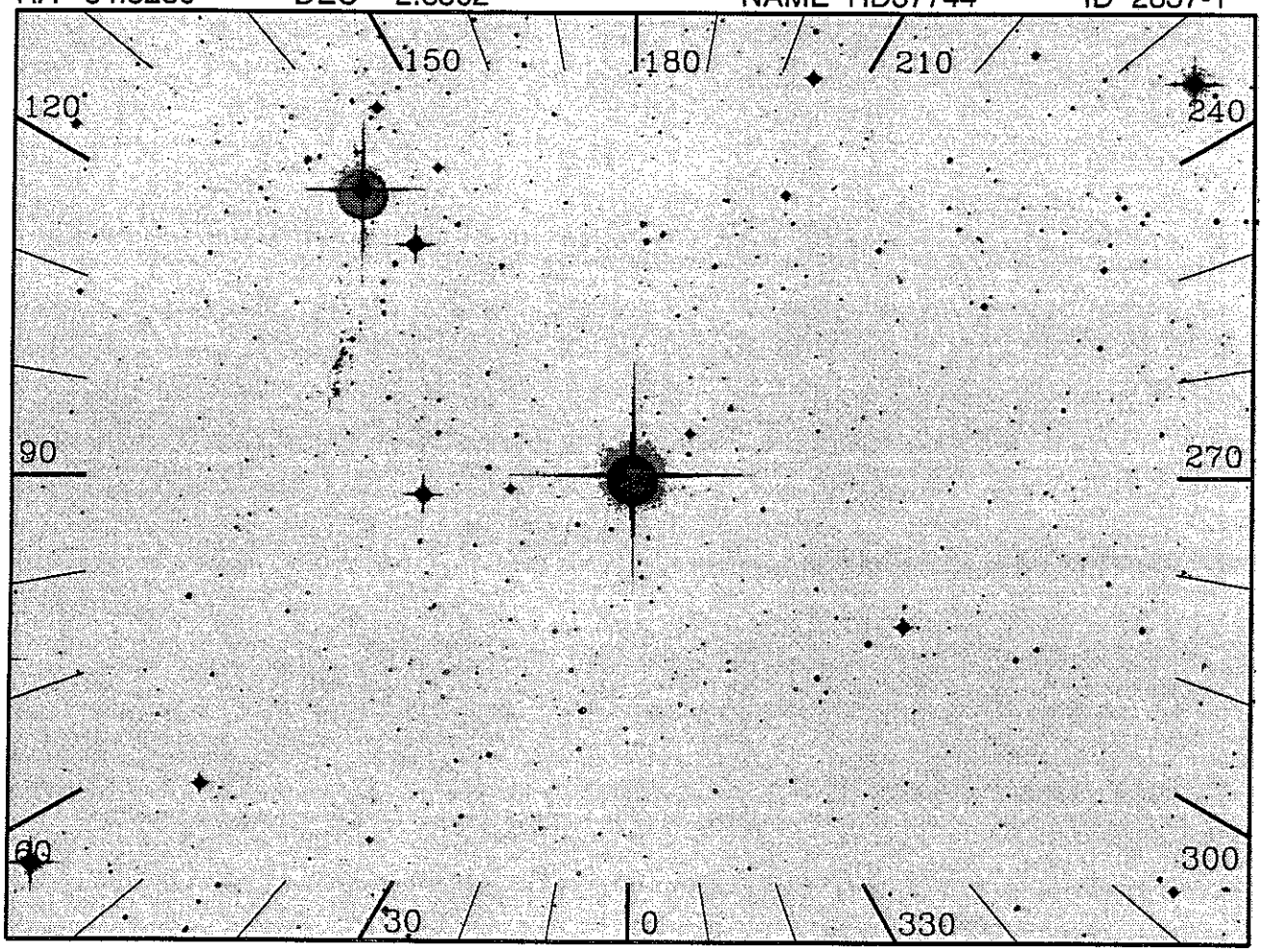
OBJECT: HD189957
KEYWORDS: Giant star
COMMENTS:
V=7.81 B-V=0.01 E(B-V)=0.31 spectype=O9.5III
Flux_1565 = 2.39e-11
Initial_expected_rate = 1327 cts/sec
Reddening is high but normal



ID: 2830-1 H=Prime SciPgm= H14
Names: HD189957 S49080
Info: O9.5III V= 7.82 Wupmag=5.83
% Pol:
Pos Ang:
Mechanism:
Comments:
E(B-V)=.30
IUE data used for simulated
spectrum is that of HD47432 (4523).



RA 84.5286 DEC -2.8502 NAME HD37744 ID 2837-1

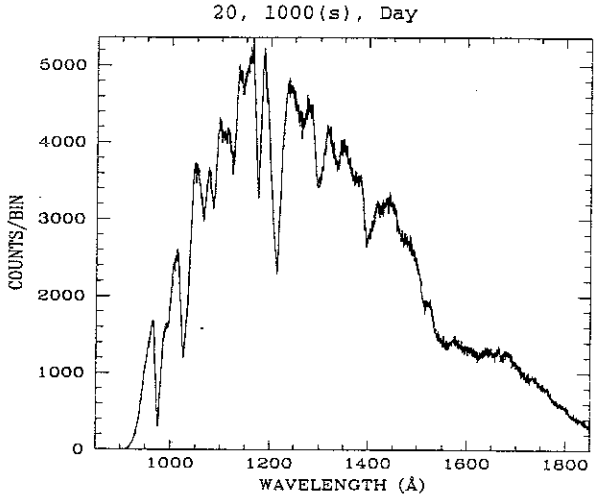


OBJECT: 2837

KEYWORDS: Hot star with little reddening

COMMENTS:

Low reddening make this star a good flux standard.



ID: 2837-1 H=Prime SciPgm= H14

Names: HD37744 S132441

Info: B1.5V V= 6.22 Wupmag=3.1

% Pol: .25%

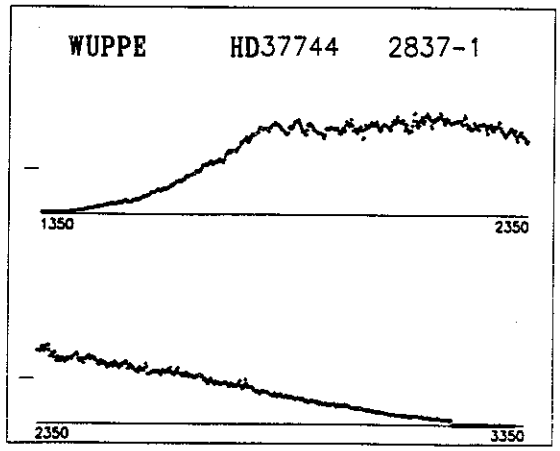
Comments:

Instrumental scattered light calibration for specific obs of Refl Neb and PNs.

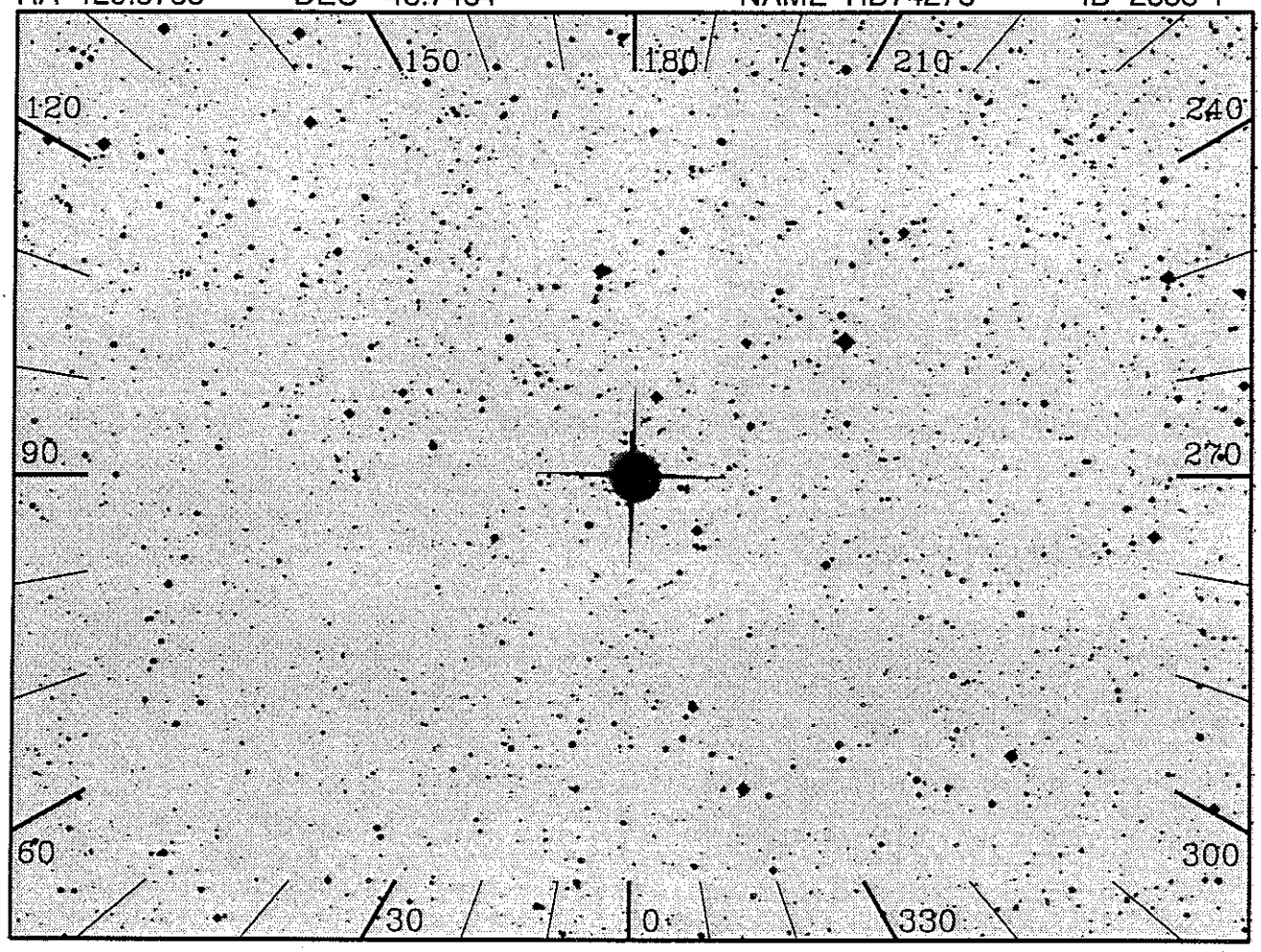
Aper	Offset	Support Obs
8	-16,10	HD44179 (4204)
2	0,10	EtaCarH (4207)
8	0,-45	NGC7023 (4211)
8	0	(on star)

APMAP FO MUST BE PERFORMED BEFORE THIS.

NOTE: DETECTOR IN FAST MODE FOR 4TH SEQUENCE.

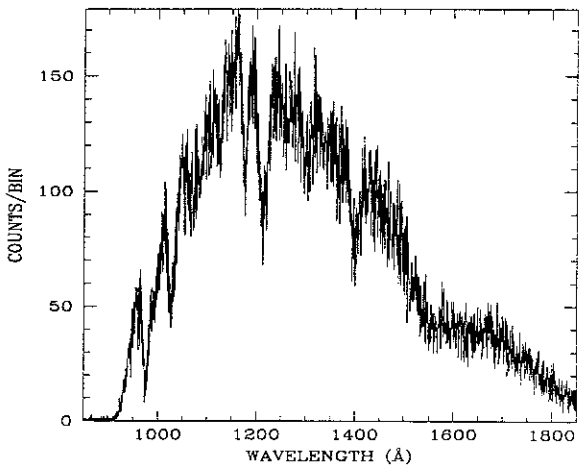


RA 129.8753 DEC -48.7434 NAME HD74273 ID 2838-1

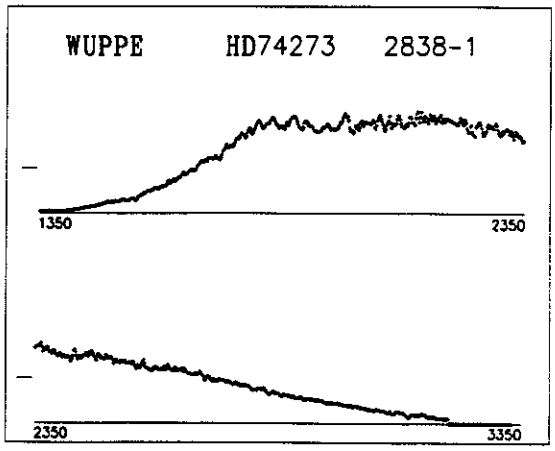


10"x56", 1000(s), Day

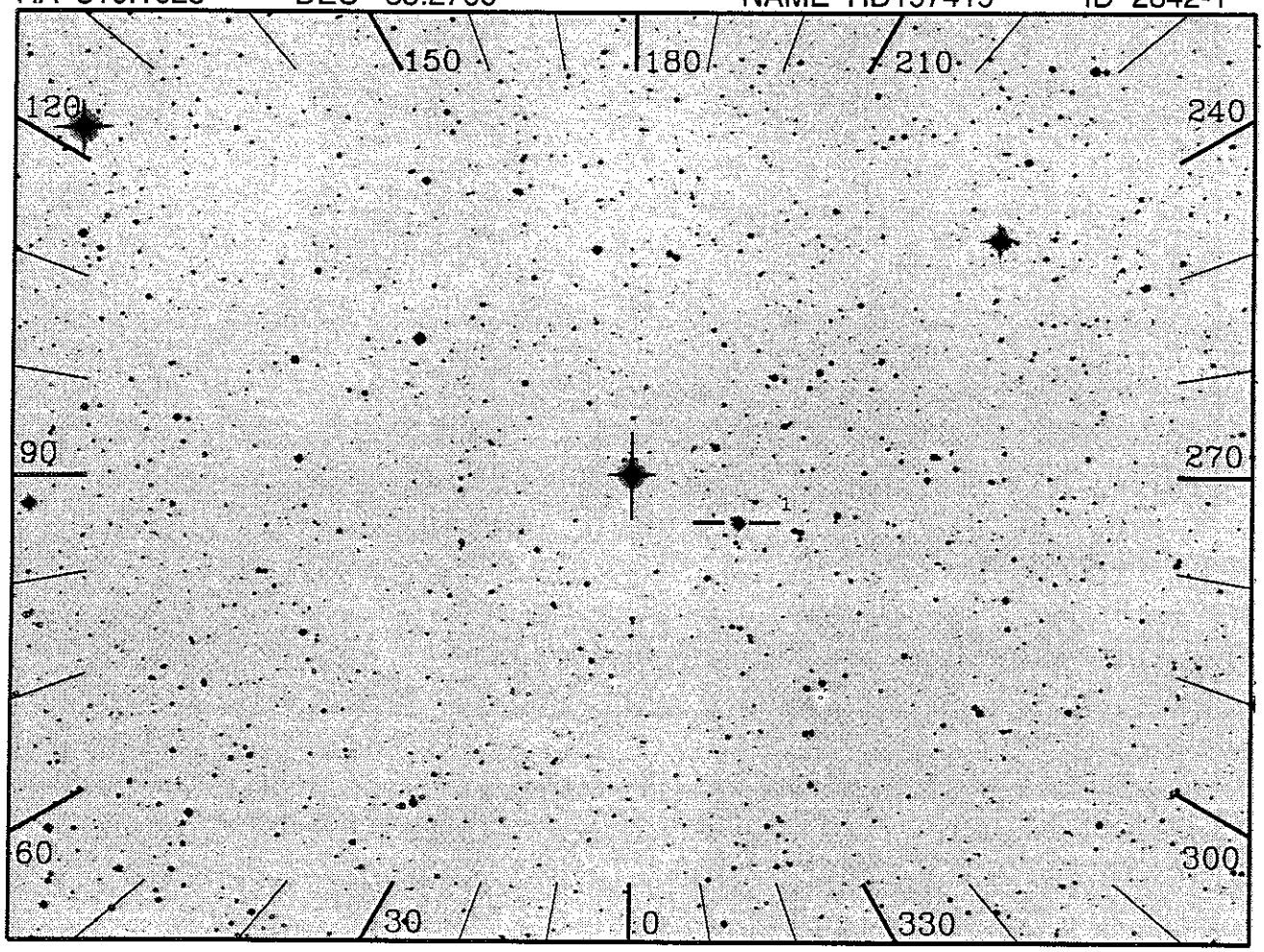
OBJECT: HD74273
KEYWORDS: Main Sequence star
COMMENTS:
V=5.90 B-V=-0.21 E(B-V)=0.04 spectype=B1.5V
Flux_1250 = 8.22e-10
Initial_expected_rate = 136 cts/sec
Because the observation is scheduled early in mission, it is set up for a blank-slit dark-count measurement. If observed, it will be a 1 sq cm observation with 3 offsets along the +Y axis of slit 6.



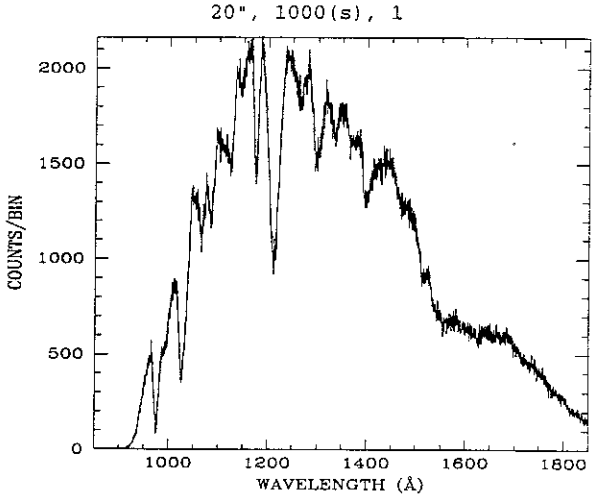
ID: 2838-1 H=Prime SciPgm= H14
Names: HD74273 S220282
Info: B1.5V V= 5.90 Wupmag=2.88
% Pol: 0.23
Pos Ang: 173.1
Mechanism:
Comments:
E(B-V)=.04
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.



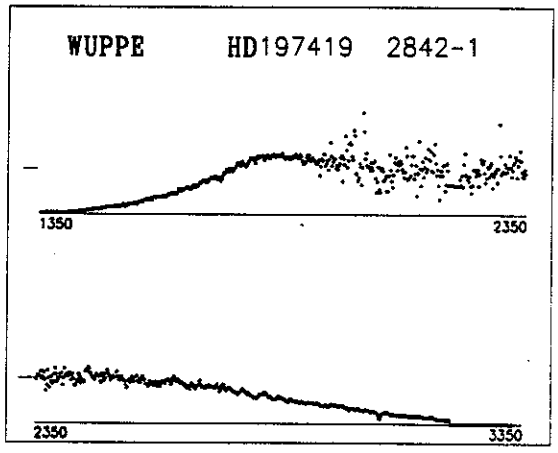
RA 310.1025 DEC 35.2760 NAME HD197419 ID 2842-1



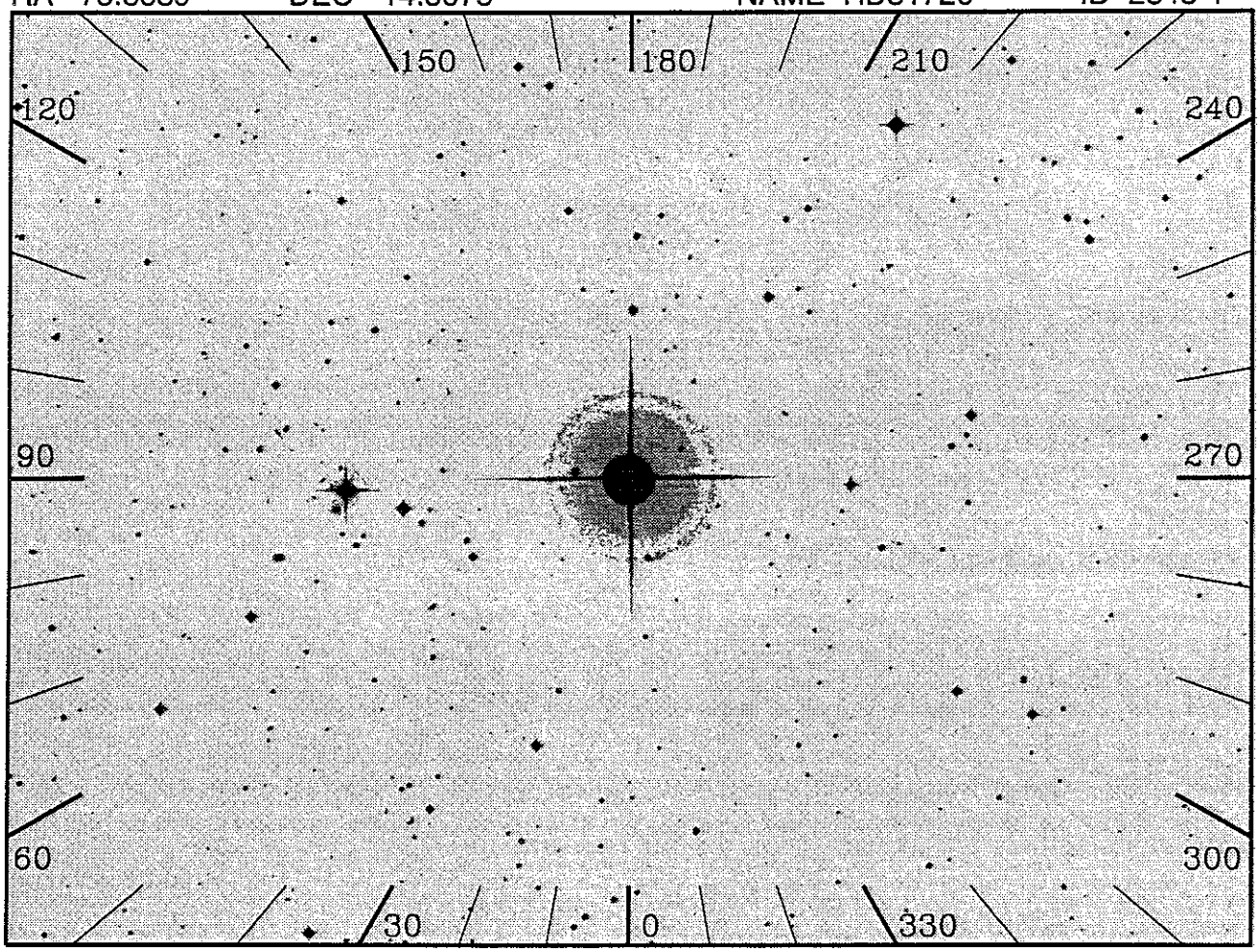
OBJECT: HD197419
KEYWORDS: Emission line star
COMMENTS:
V=6.68 B-V=-0.16 E(B-V)=0.08 spectype=B2IV-Ve
Flux_1565 = 1.129e-10
Initial_expected_rate = 1876 cts/sec



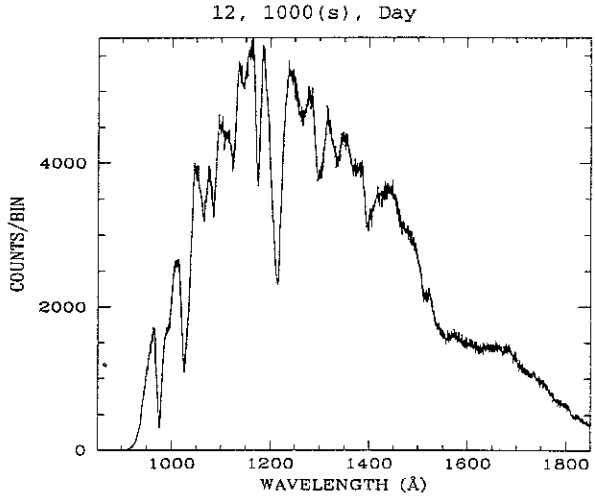
ID: 2842-1 H=Prime SciPgm= H14
Names: HD197419 S70406
Info: B2IV-Ve V= 6.66 Wupmag=4.30
% Pol: 0.10
Pos Ang: 0.0
Mechanism:
Comments:
E(B-V)=.08
IUE data used for simulated spectrum is
that of HD37357 (4514).



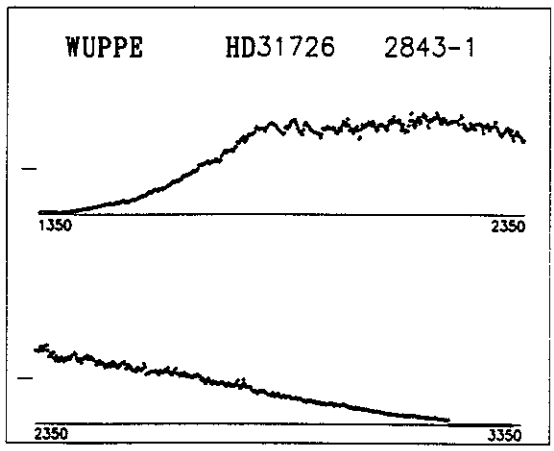
RA 73.8639 DEC -14.3075 NAME HD31726 ID 2843-1



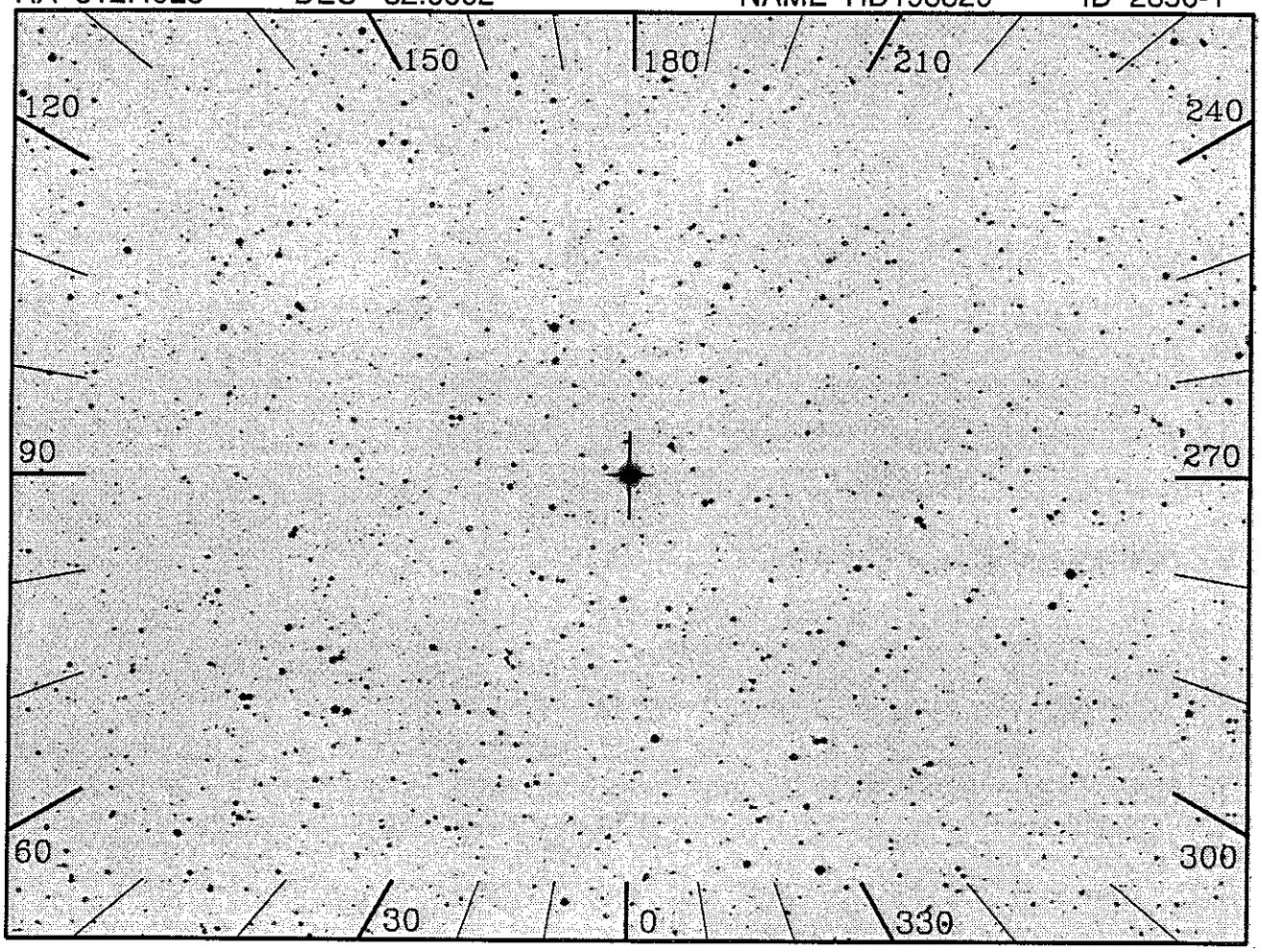
OBJECT: 2843 HD31726
KEYWORDS: Hot B star with low reddening
COMMENTS:
Expected count rate is near 5000 per sec. limit.
Low reddening make this star a good intrinsic flux standard.



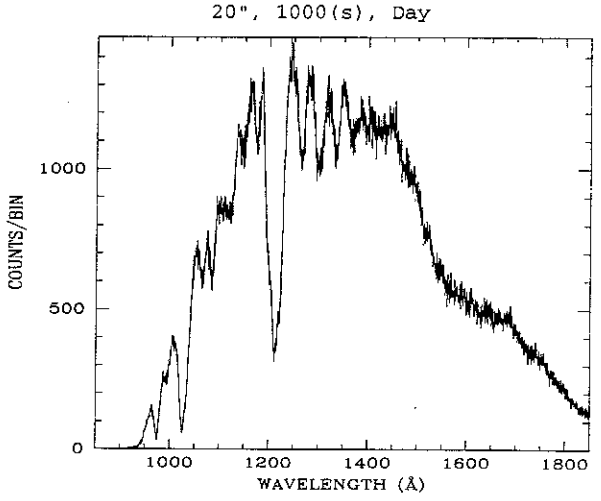
ID: 2843-1 H=Prime SciPgm= H14
Names: HD31726 S150029
Info: B2V V= 6.15 Wupmag=3.08
% Pol: .30%
Pos Ang:
Mechanism:
Comments:
Early B-type star. Slightly polarized.
NOTE: DETECTOR IN FAST MODE - DO NOT EXPECT ON-LINE SPECTRUM.



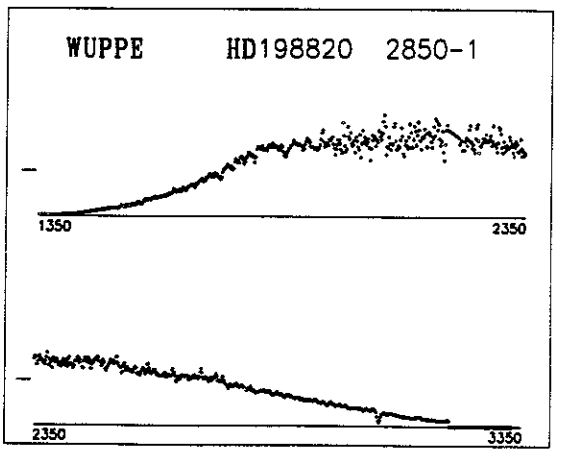
RA 312.4923 DEC 32.6602 NAME HD198820 ID 2850-1



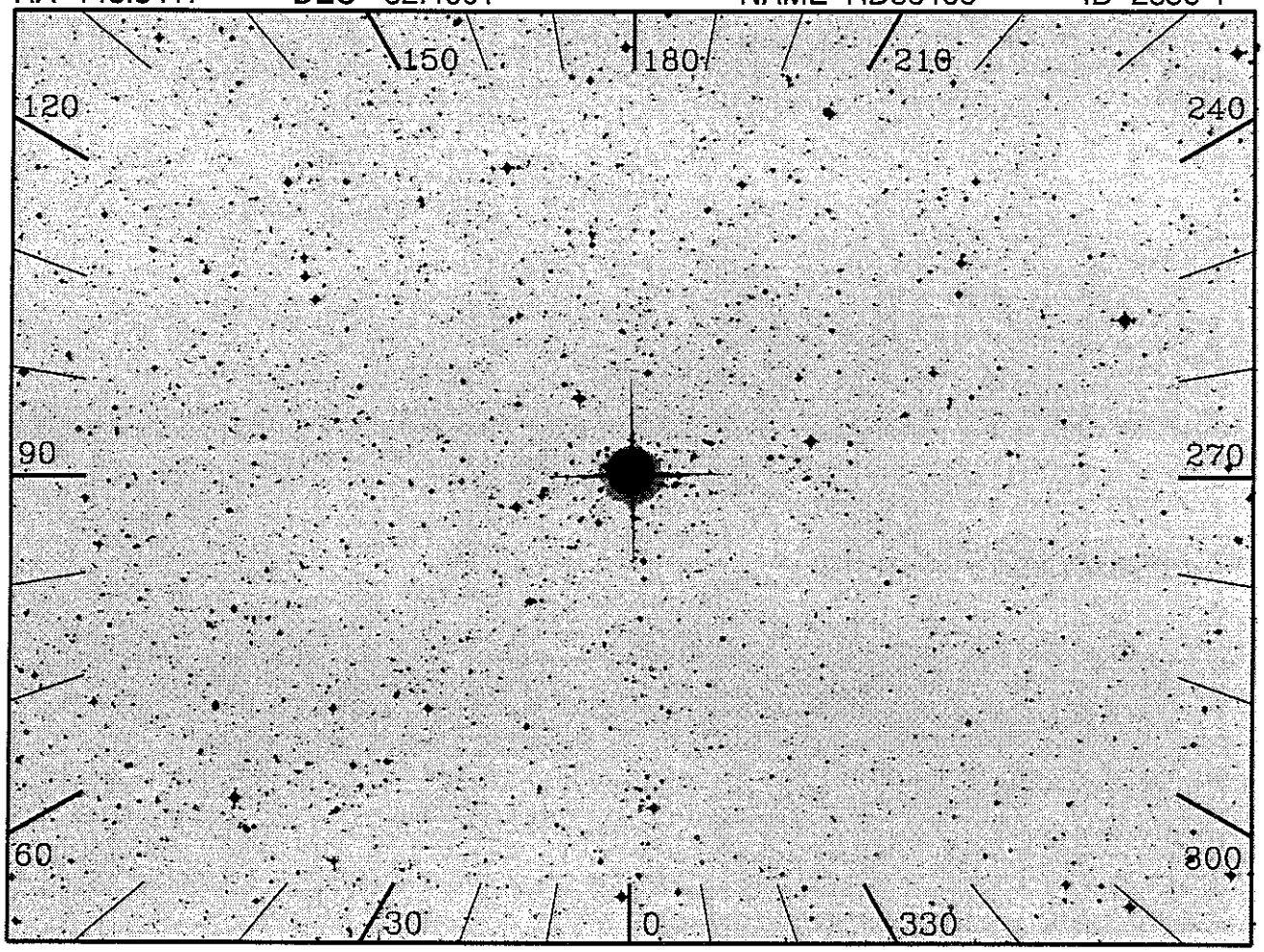
OBJECT: HD198820
KEYWORDS: Giant star
COMMENTS:
V=6.44 B-V=-0.15 E(B-V)=0.05 spectype=B3III
Flux_1565 = 1.01e-10
Initial_expected_rate = 1237 cts/sec



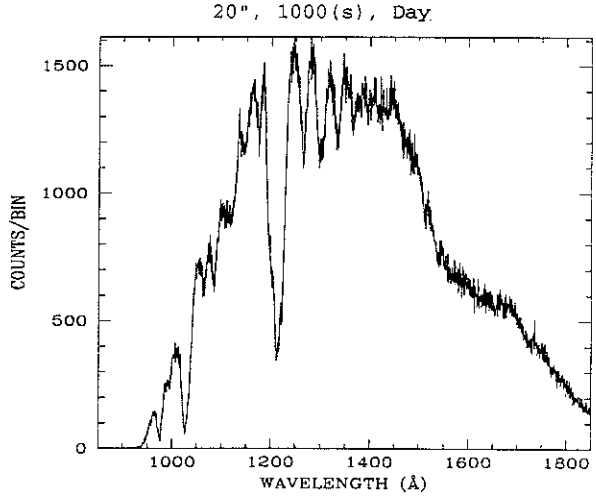
ID: 2850-1 H=Prime SciPgm= H14
Names: HD198820 S70596
Info: B3III V= 6.42 Wupmag=4.02
% Pol: 0.28
Pos Ang: 66.0
Mechanism: probably ISM
Comments:
E(B-V)=.05



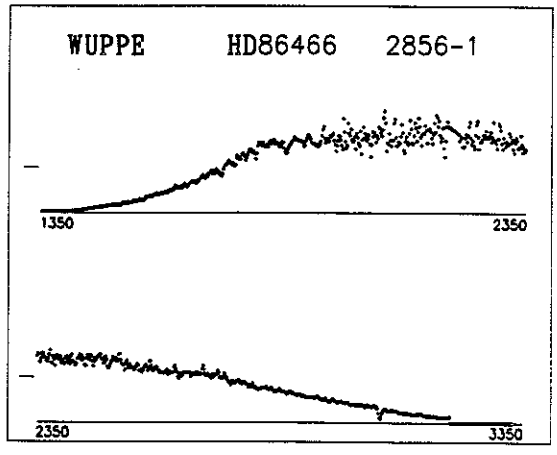
RA 148.8417 DEC -52.4001 NAME HD86466 ID 2856-1



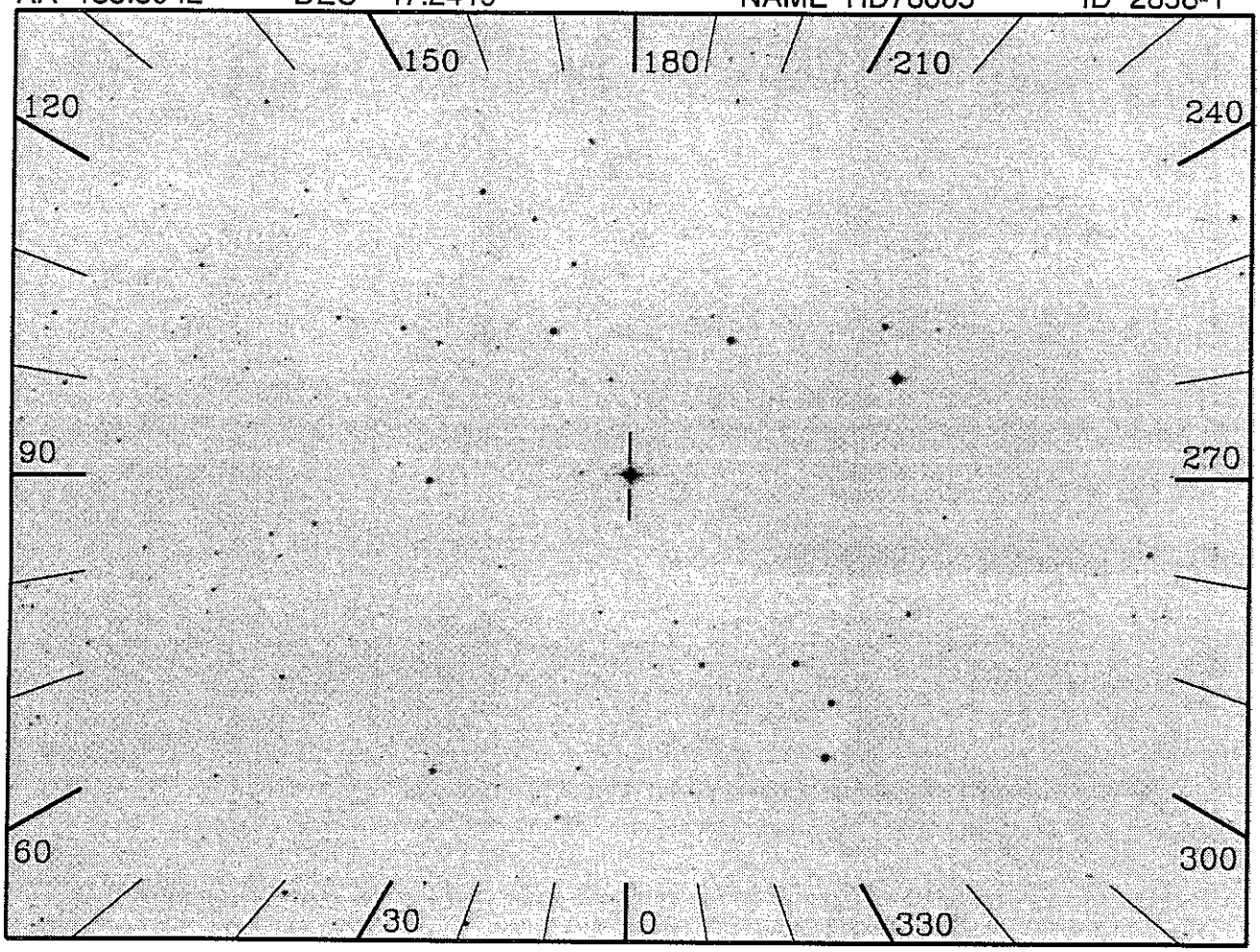
OBJECT: HD86466
KEYWORDS: Giant star
COMMENTS:
V=6.11 B-V=-0.12 E(B-V)=0.08 spectype=B3III
Flux_1565 = 1.234e-10
Initial_expected_rate = 1419 cts/sec



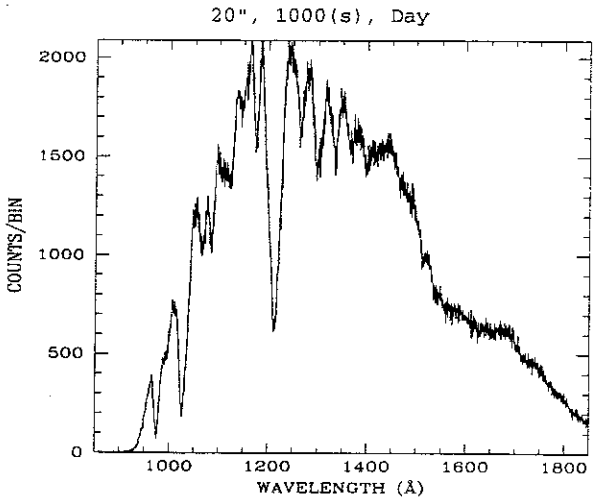
ID: 2856-1 H=Prime SciPgm= H14
Names: HD86466 S237526
Info: B3IV V= 6.12 Wupmag=4.12
% Pol: 0.41
Pos Ang: 170.6
Mechanism: probably ISM
Comments:
E(B-V)=.07
IUE data used for simulated spectrum is
that of HD198820 (2850).



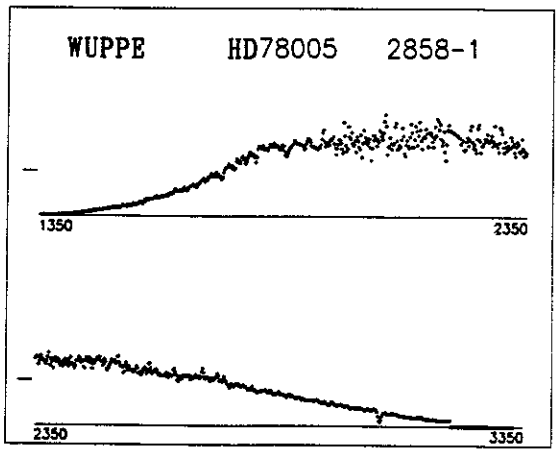
RA 135.5942 DEC -47.2419 NAME HD78005 ID 2858-1



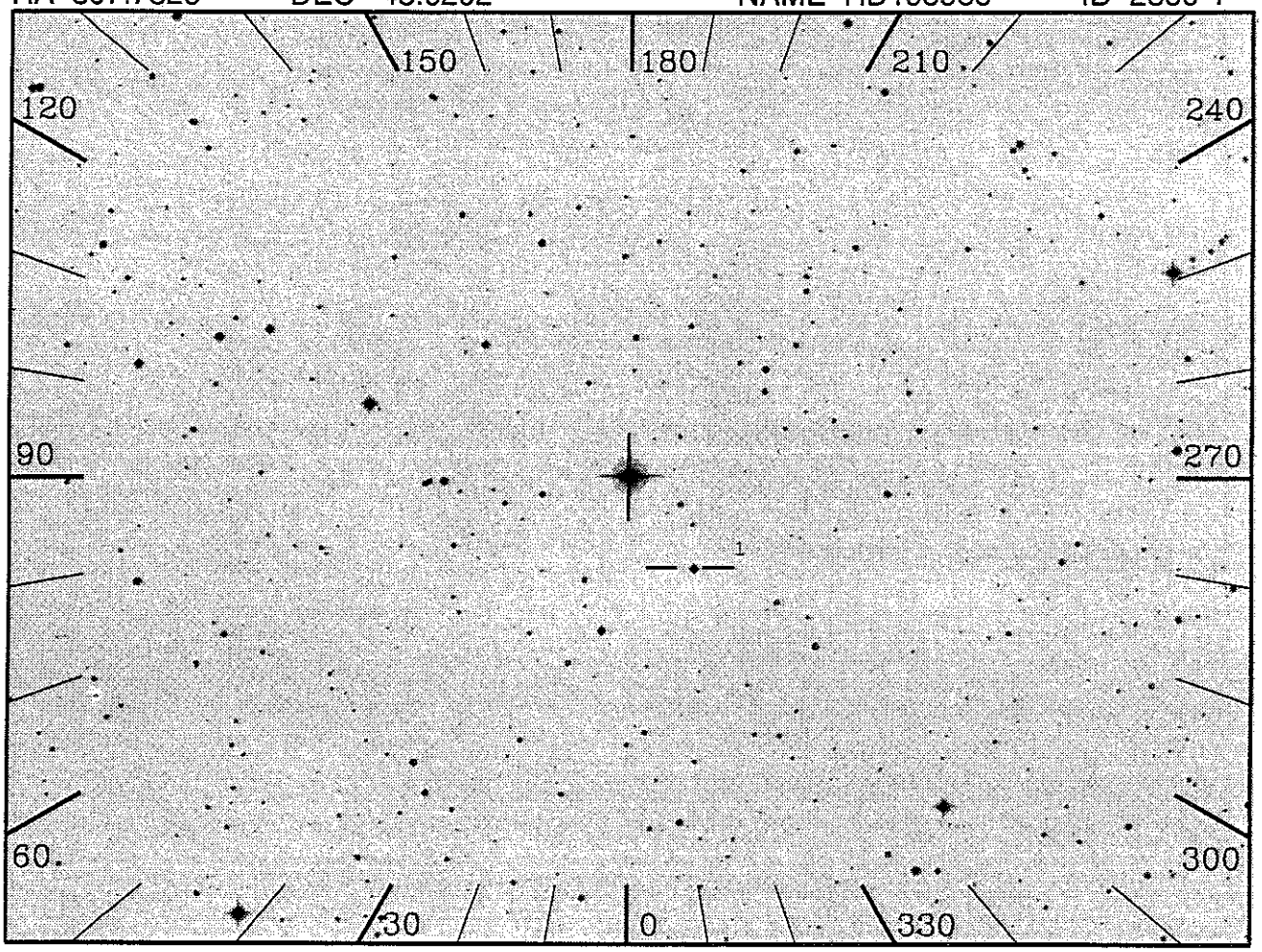
OBJECT: HD78005
KEYWORDS: Variable star
COMMENTS:
V=6.44 B-V=-0.15 E(B-V)=0.05 spectype=B3 IV/V
Variable: 6.29 < V < 6.49
Flux_1565 = 1.253e-10
Initial_expected_rate = 1811 cts/sec



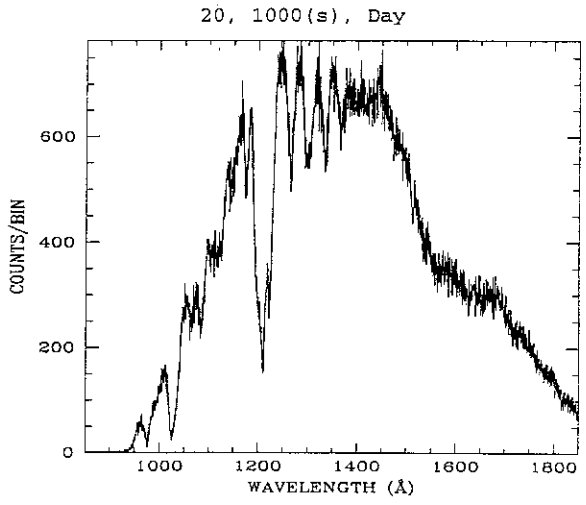
ID: 2858-1 H=Prime SciPgm= H14
Names: HD78005 S220802
Info: B3IV/V V= 6.44 Wupmag=4.24
% Pol: 0.01
Pos Ang: 53.5
Mechanism:
Comments:
E(B-V)=.04
IUE data used for simulated spectrum is that of HD198820 (2850).



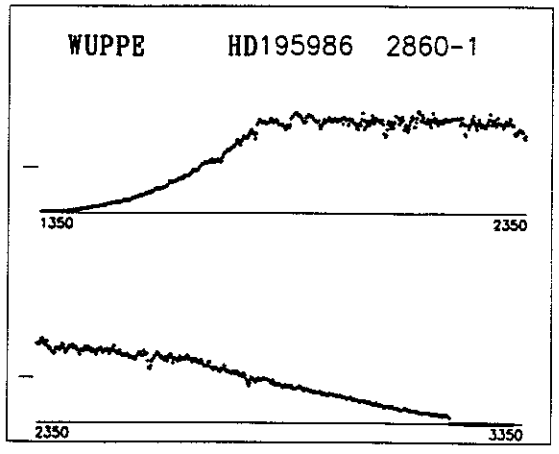
RA 307.7826 DEC 43.0202 NAME HD195986 ID 2860-1



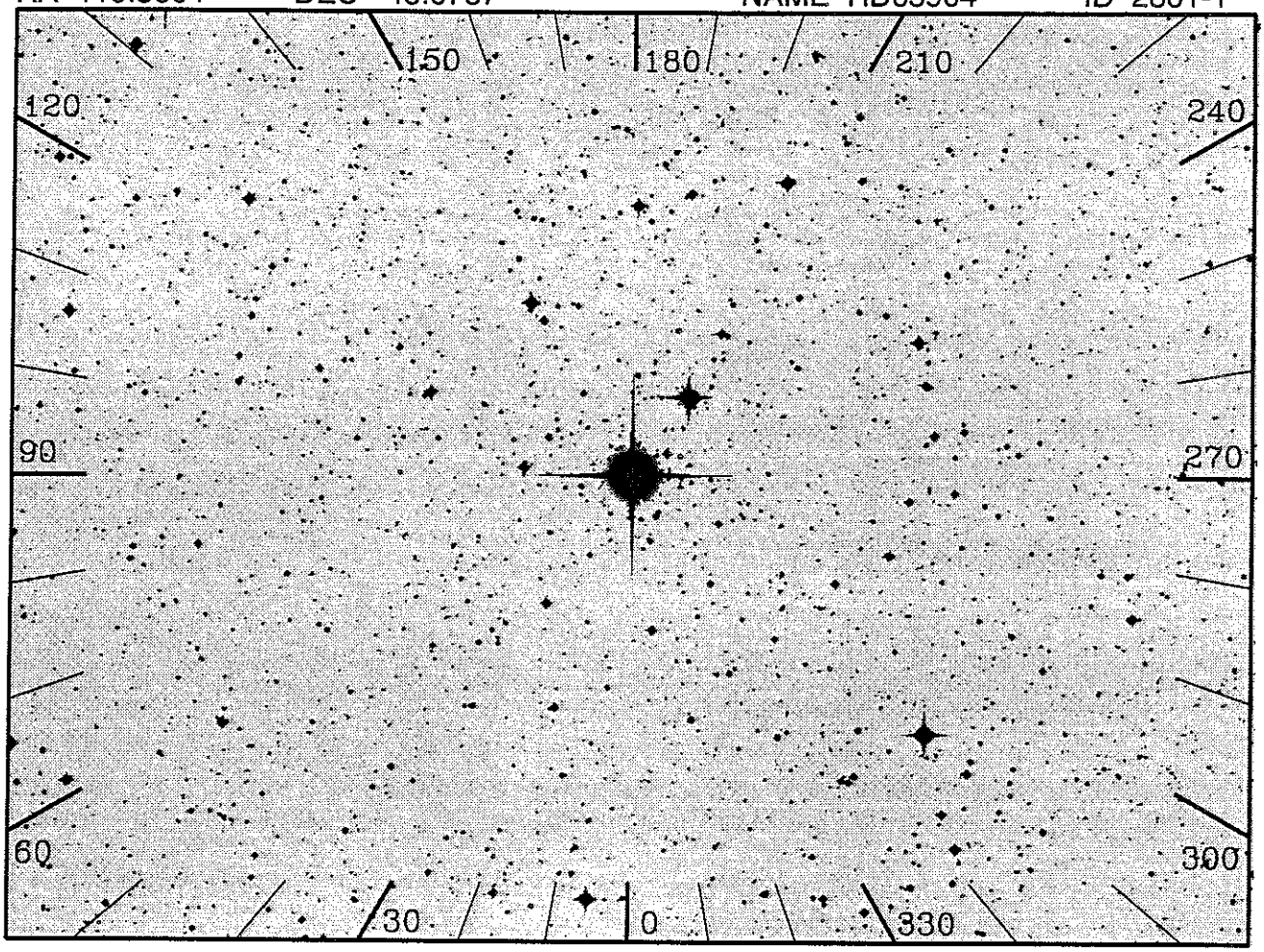
OBJECT: 2860 HD195986
KEYWORDS: Hot B4III star
COMMENTS:
Spectral type is valuable for observing FUV flux of a relatively cool B star, but moderate reddening is present.



ID: 2860-1 H=Prime SciPgm= H14
Names: HD195986 S49772
Info: B4III V= 6.58 Wupmag=4.61
% Pol: 0%
Pos Ang:
Mechanism:
Comments:

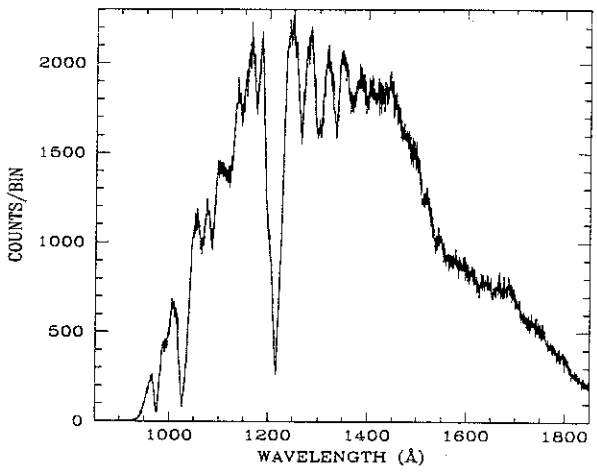


RA 119.3604 DEC -45.0787 NAME HD65904 ID 2861-1

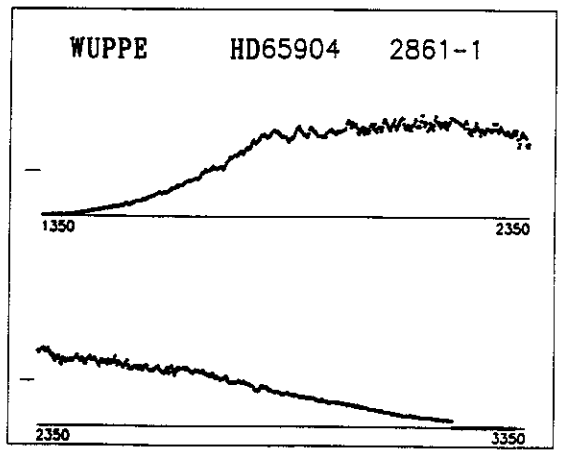


OBJECT: HD65904
KEYWORDS: Main Sequence star
COMMENTS:
V=5.99 B-V=-0.14 E(B-V)=0.04 spectype=B4V
Flux_1600 = 1.65e-10
Initial_expected_rate = 1985 cts/sec

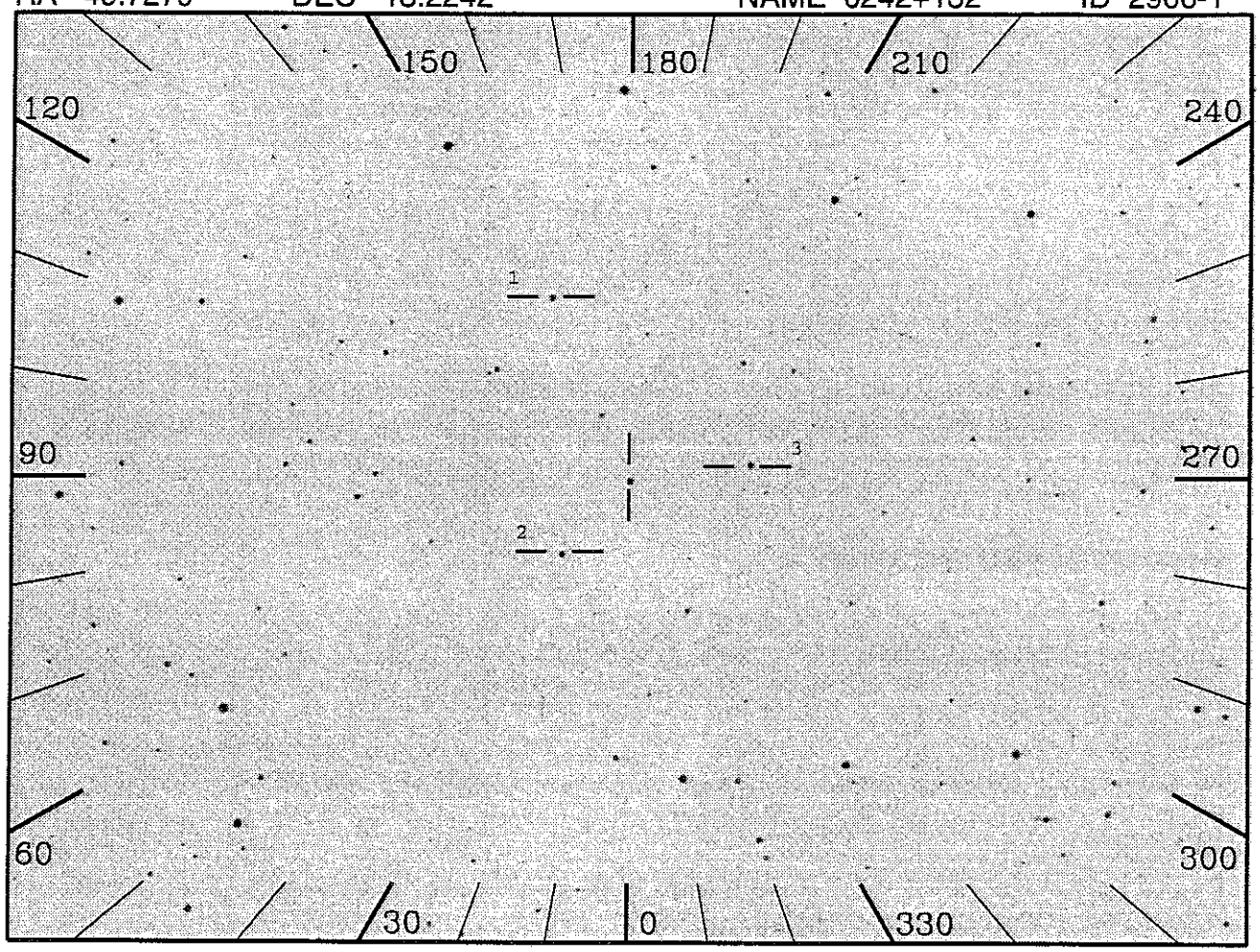
20", 1000(s), Night



ID: 2861-1 H=Prime SciPgm= H14
Names: HD65904 S219240
Info: B4V V= 5.99 Wupmag=3.64
% Pol:
Pos Ang:
Mechanism:
Comments:
E(B-V)=.04
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE SPECTRUM.

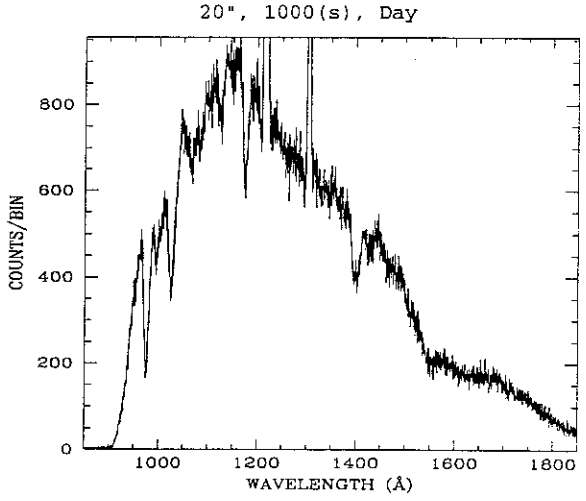


RA 40.7279 DEC 13.2242 NAME 0242+132 ID 2906-1

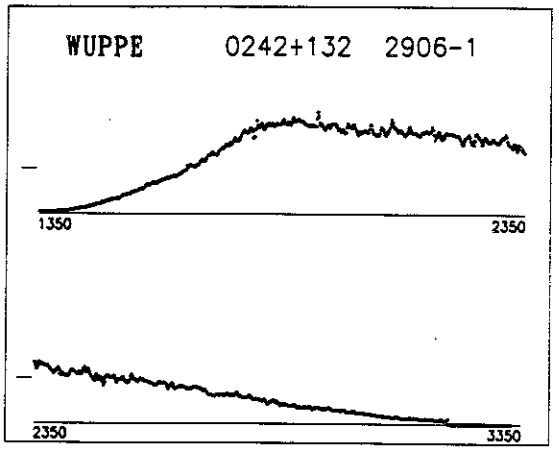


OBJECT: 2906 0242+132
KEYWORDS: EHB star; classified sdOA in PG catalog
COMMENTS:
Teff = 31217 log g = 5.7 unreddened (B-V)=-0.30
(Saffer et al. ApJ 432 351 1994)

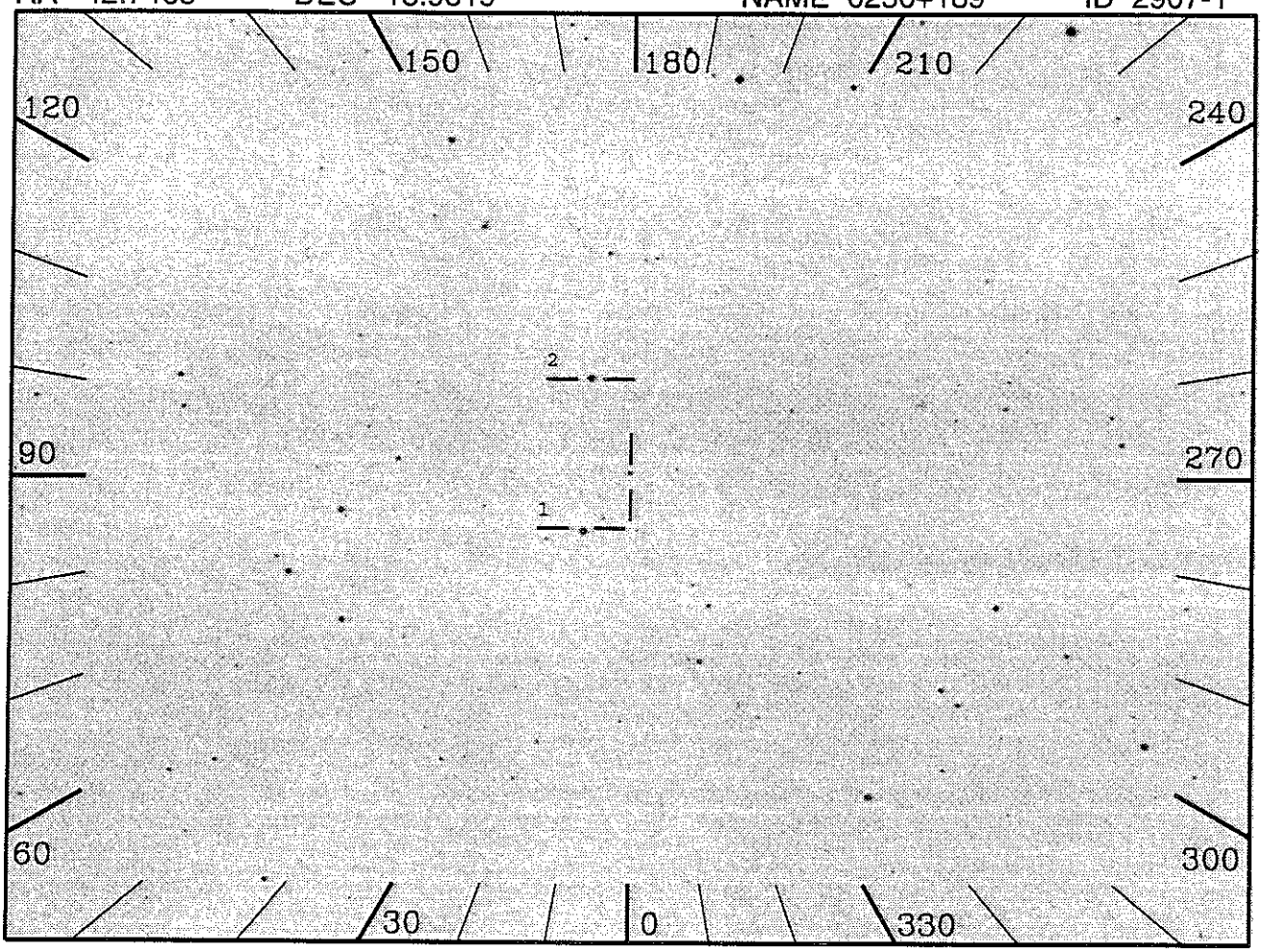
hutsim: Kurucz model, T=31000 logg=5 V=14.2



ID: 2906-1 H=Prime SciPgm= H07
Names: 0242+132
Info: sdOA V=11.78 Wupmag=8.0
% Pol: 0%
Pos Ang:
Mechanism: None
Comments:
UV emission source. Hot subdwarf. Expected to be unpolarized. IUE data used for simulated spectrum is that of GD153 (2517).

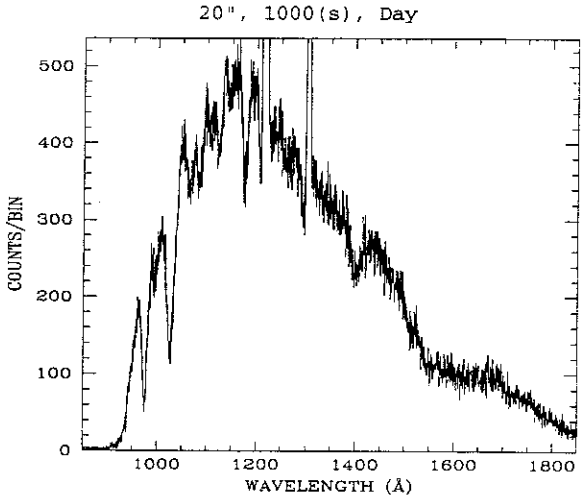


RA 42.7463 DEC 18.9619 NAME 0250+189 ID 2907-1

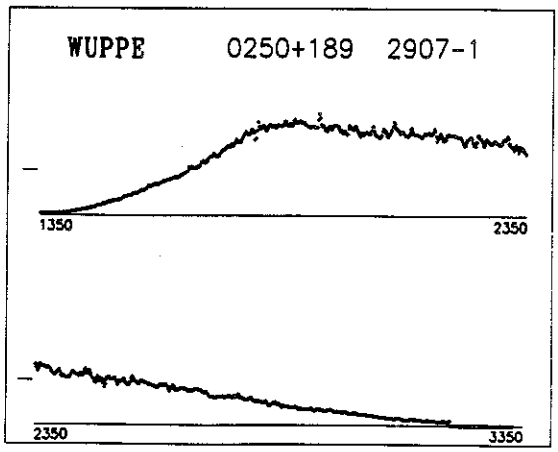


OBJECT: 2907 0250+189
KEYWORDS: EHB star; classified sdB in PG catalog
COMMENTS:
Teff = 26143 log g = 5.8 unreddened (B-V)=-0.27
(Saffer et al. ApJ 432 351 1994)

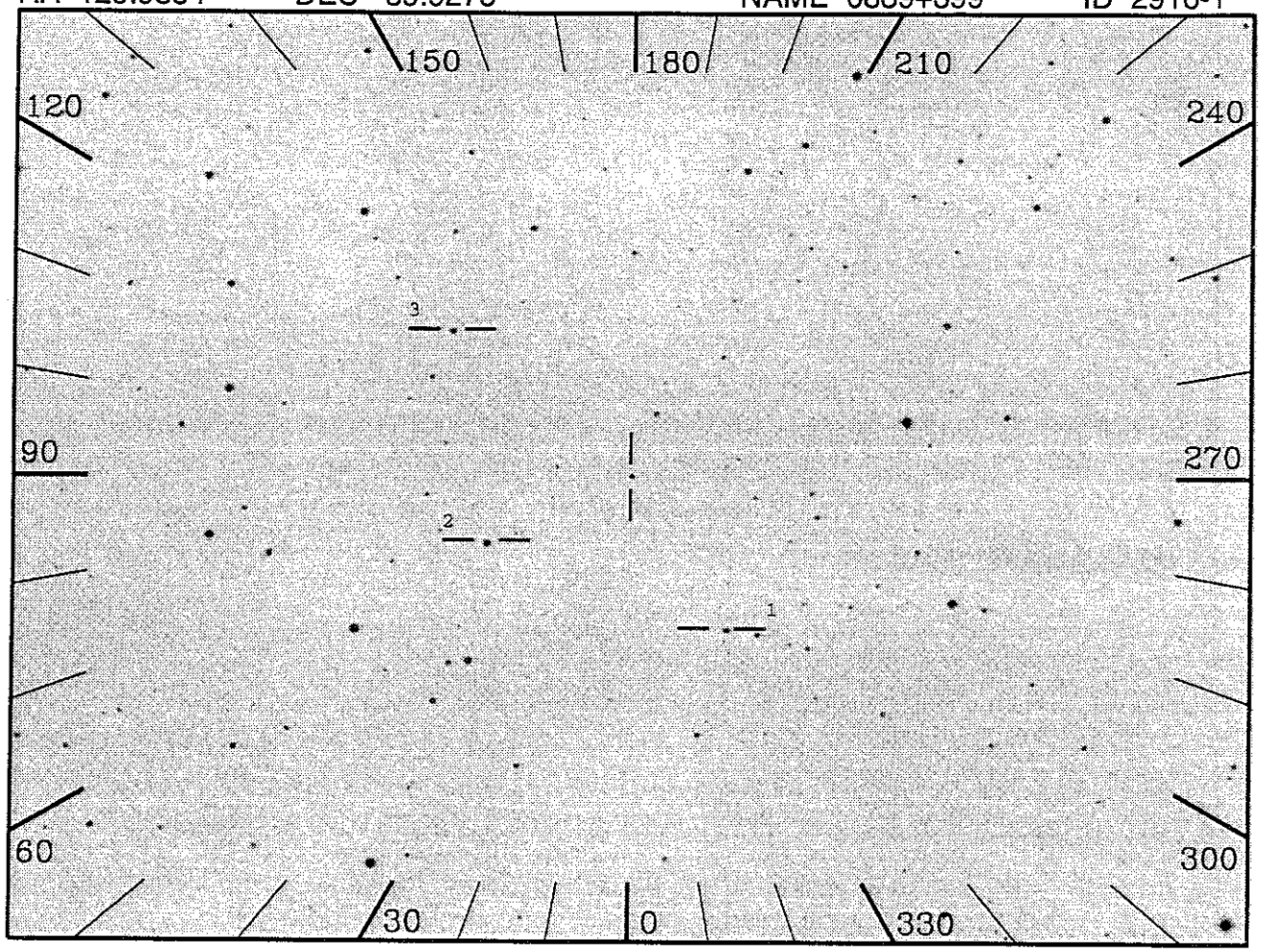
hutsim: Kurucz model, T=26000 logg=5 V=14.5



ID: 2907-1 H=Prime SciPgm= H07
Names: 0250+189
Info: sdB V=13.65 Wupmag=10.0
% Pol: 0%
Pos Ang:
Mechanism: None
Comments:
Hot subdwarf. Expected to be unpolz'd.
IUE data used for simulated spectrum is
that of GD153 (2517).

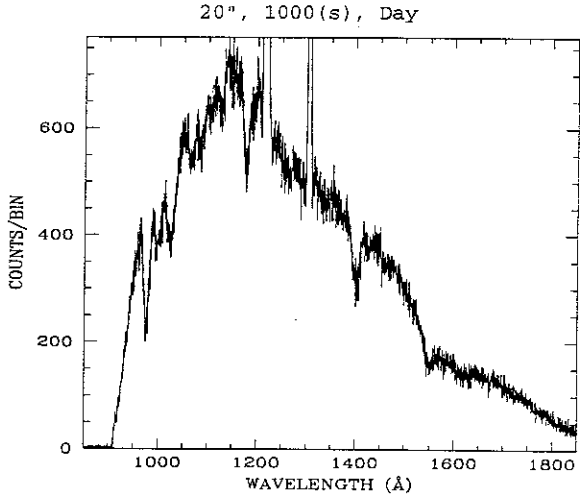


RA 129.9854 DEC 39.9275 NAME 0839+399 ID 2916-1

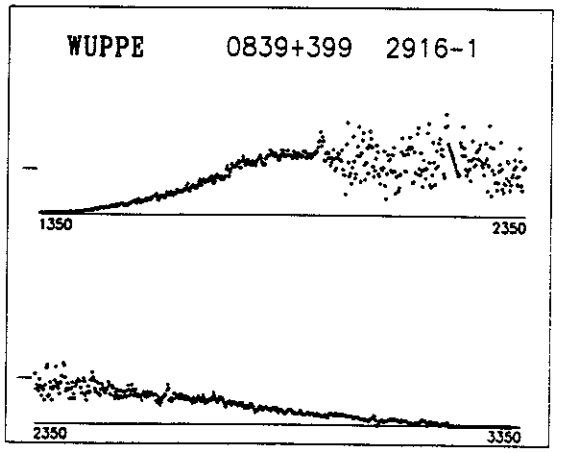


OBJECT: 2916 0839+399
KEYWORDS: EHB star; classified sd in PG catalog
COMMENTS:
Teff = 36099 log g = 5.9 unreddened (B-V)=-0.32
(Saffer et al. ApJ 432 351 1994)

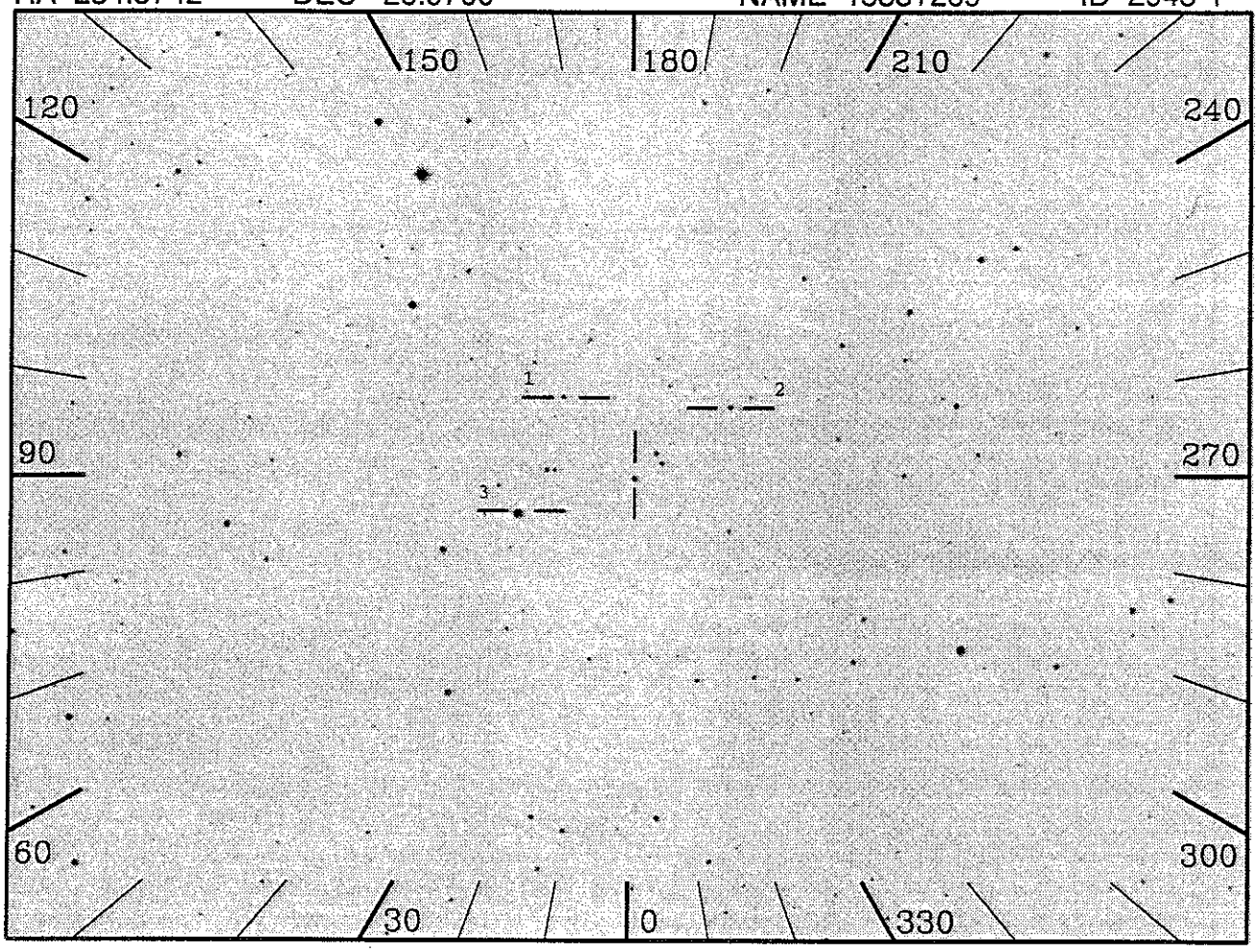
hutsim: Kurucz model, T=35000 logg=5 V=14.6



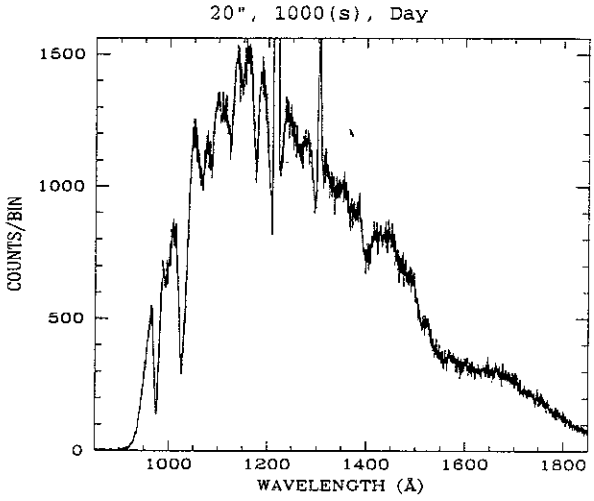
ID: 2916-1 H=Prime SciPgm= H07
Names: 0839+399 KUV345-30
Info: sd V=13.87 Wupmag=10.1
% Pol: 0%
Pos Ang:
Mechanism: None
Comments:
Hot subdwarf. Expected to be unpolz'd.



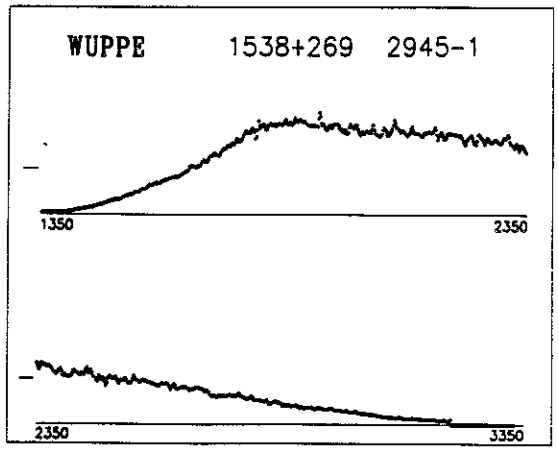
RA 234.5742 DEC 26.9700 NAME 1538+269 ID 2945-1



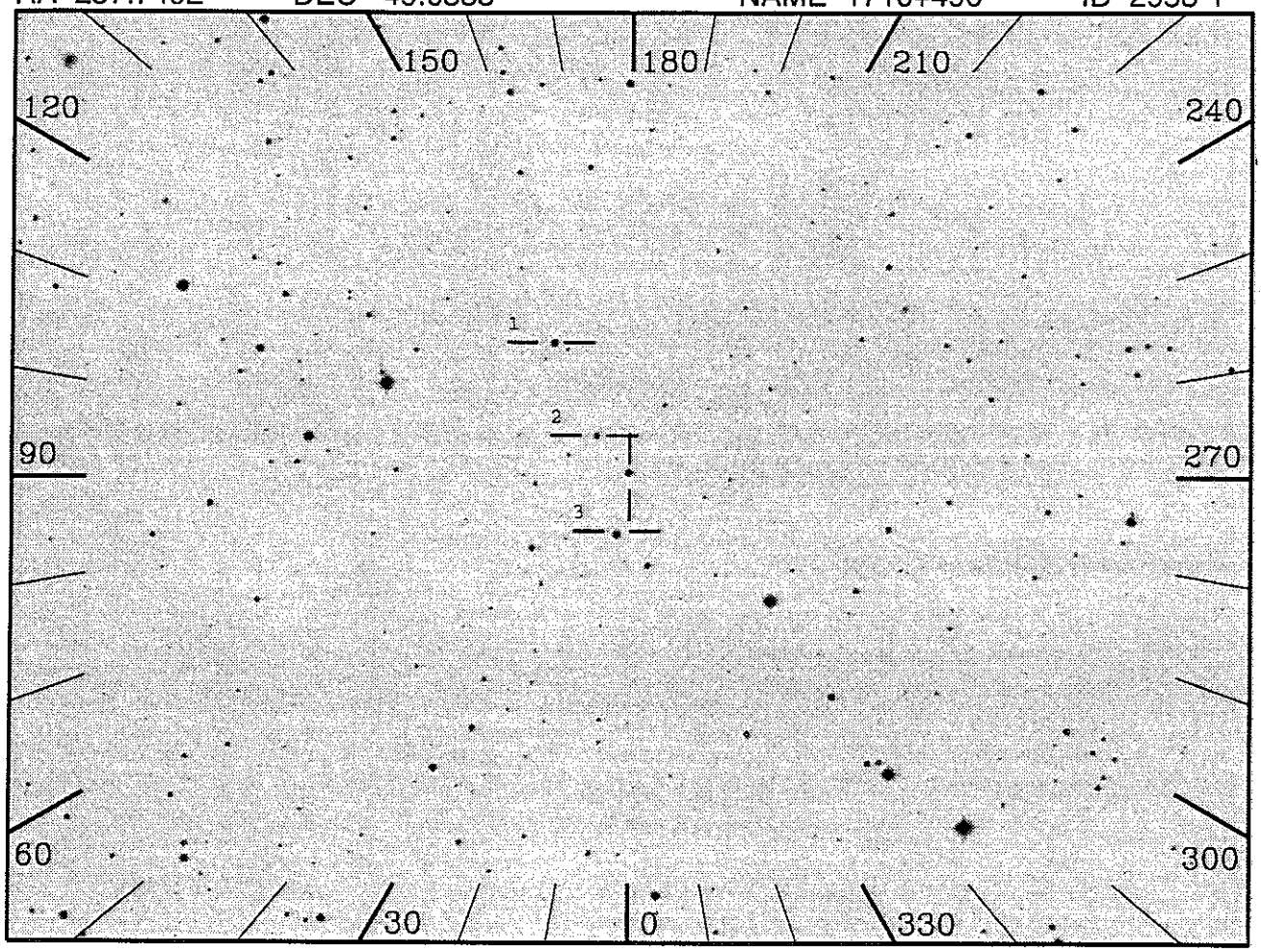
OBJECT: 2945-10 1538+269
KEYWORDS: Extreme Horizontal Branch star
COMMENTS:
Hutsim: Kurucz model, T=25000 log g=5
classified DA2 by Saffer et al.



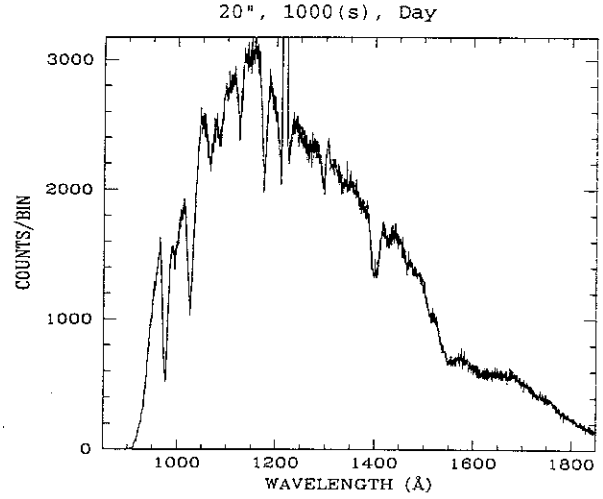
ID: 2945-1 H=Prime SciPgm= H07
Names: 1538+269 TON245
Info: DA_1 V=13.18 Wupmag=
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
May be used as flat field calibrator.
IUE data used for simulated spectrum is
that of GD153 (2517).



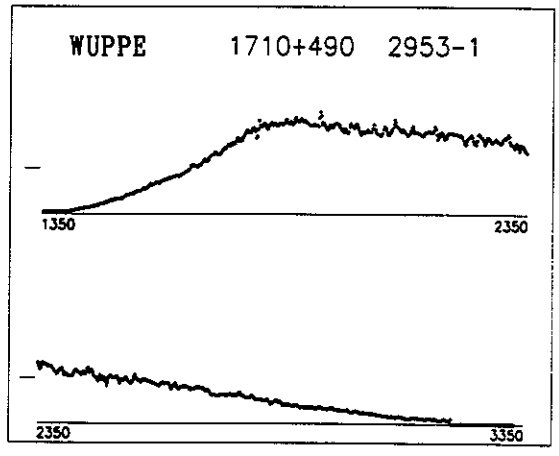
RA 257.7492 DEC 49.0333 NAME 1710+490 ID 2953-1



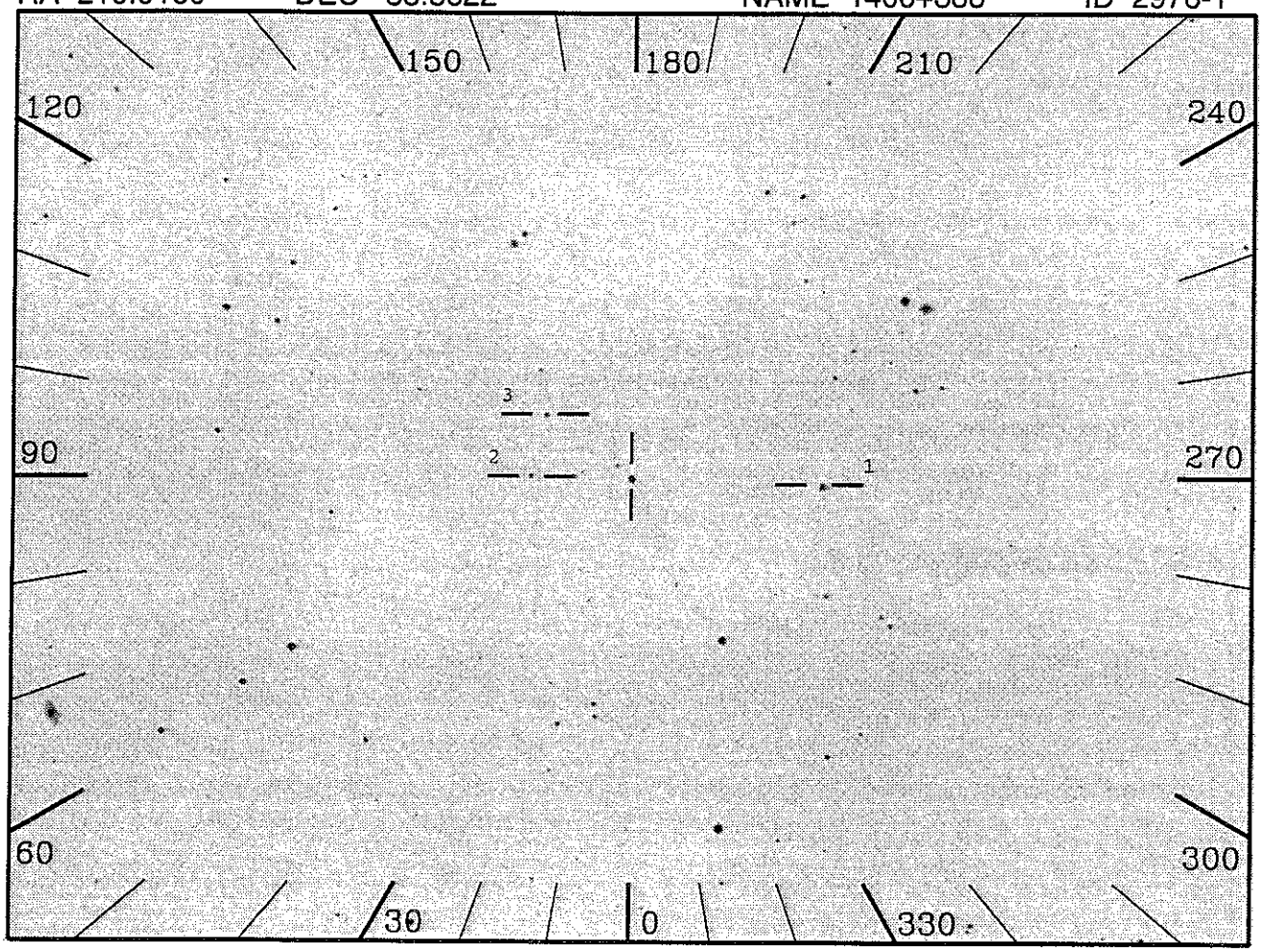
OBJECT: 2953-10 1710+490
KEYWORDS: sdB Extreme Horizontal Branch star
COMMENTS:
Hutsim: Kurucz model T=30000 log g=5



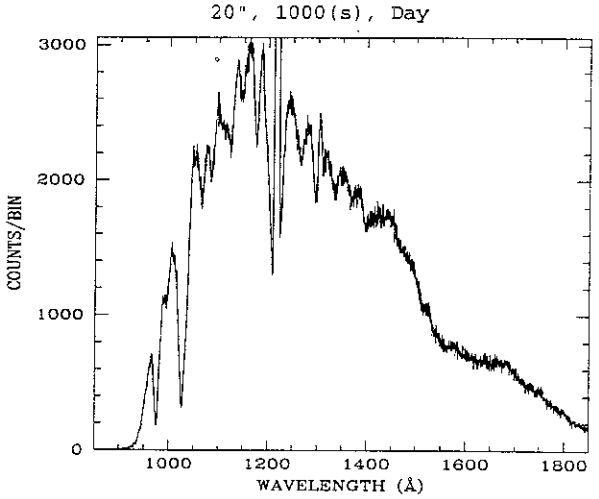
ID: 2953-1 H=Prime SciPgm= H07
Names: 1710+490
Info: sdB V=12.06 Wupmag=
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
IUE data used for simulated spectrum is that of GD153 (2517).



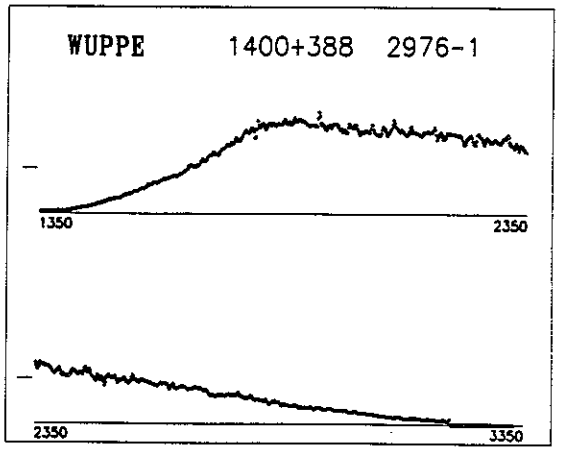
RA 210.0100 DEC 38.8622 NAME 1400+388 ID 2976-1



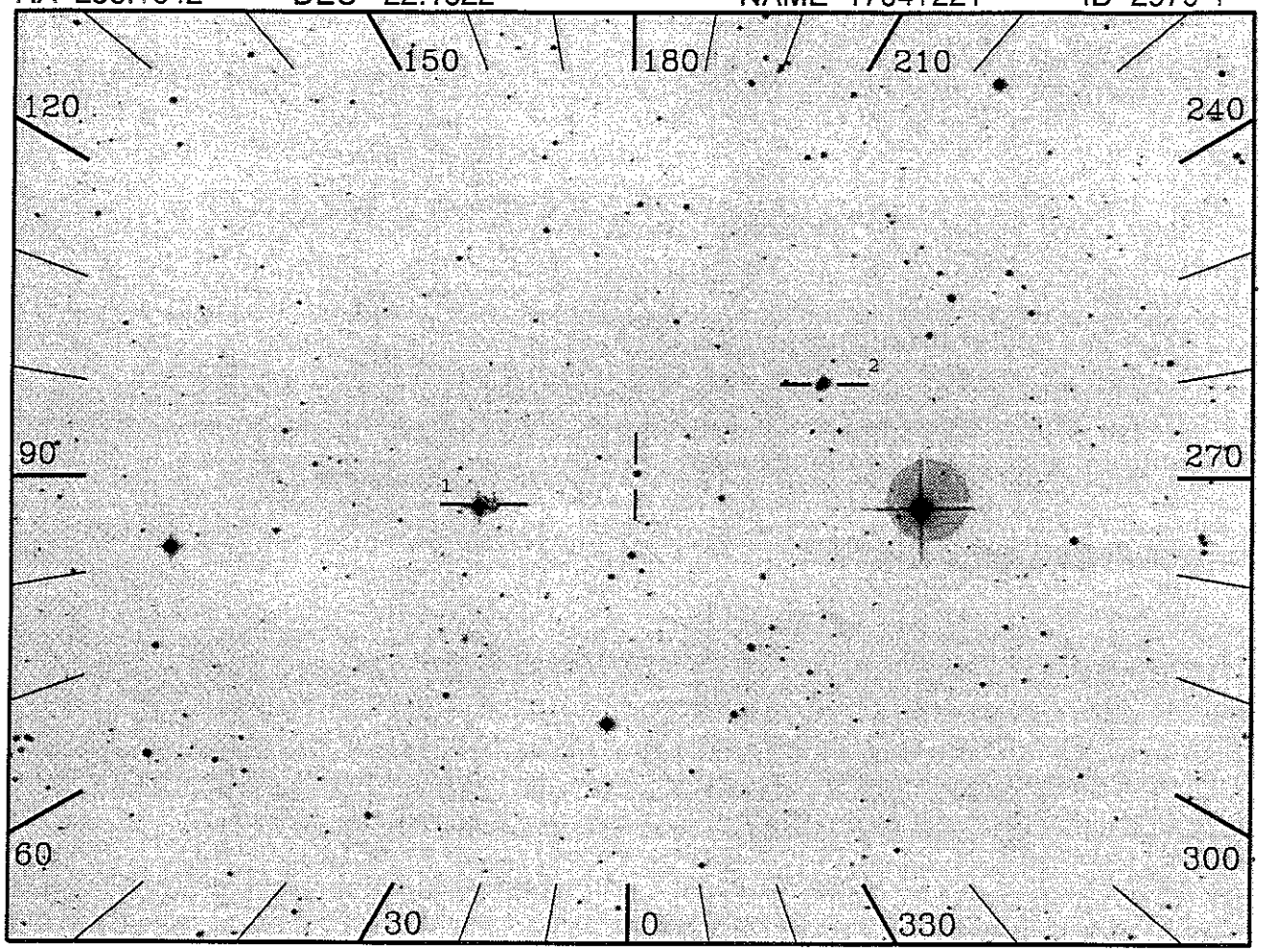
OBJECT: 2976-10 1400+388
KEYWORDS: sdOA Extreme Horizontal Branch star
COMMENTS:
Hutsim: Kurucz model T=22000 log g=4.8



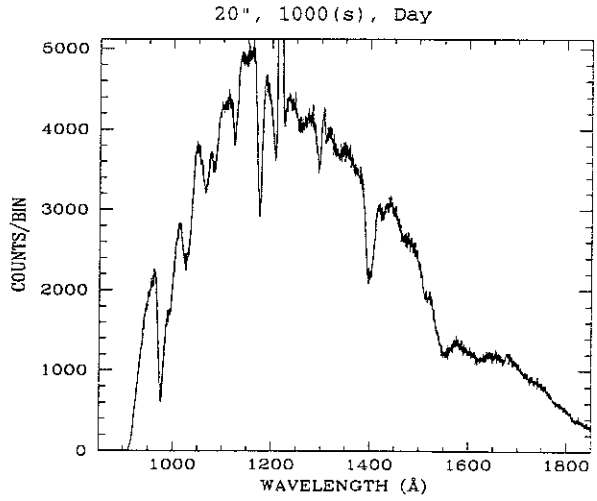
ID: 2976-1 H=Prime SciPgm= H07
Names: 1400+388 PB1207
Info: sdOA V=12.05 Wupmag=
% Pol: 0%
Pos Ang:
Mechanism: Possible ISM
Comments:
Some interstellar pol, but mostly unpol.
IUE data used for simulated spectrum is
that of GD153 (2517).



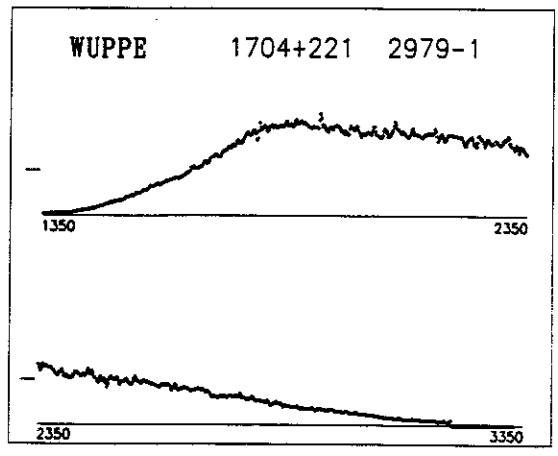
RA 256.1642 DEC 22.1622 NAME 1704+221 ID 2979-1



OBJECT: 2979-10 1704+221
KEYWORDS: sdB Extreme Horizontal Branch star
COMMENTS:
Hutsim: Kurucz model, T=26000 log g=3.5



ID: 2979-1 H=Prime SciPgm= H07
Names: 1704+221
Info: sdB-O V=11.77 Wupmag=
% Pol: 0%
Pos Ang:
Mechanism:
Comments:
Some intrinsic pol seen (< 0.1%).
IUE data used for simulated spectrum
is that of GD153 (2517).



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