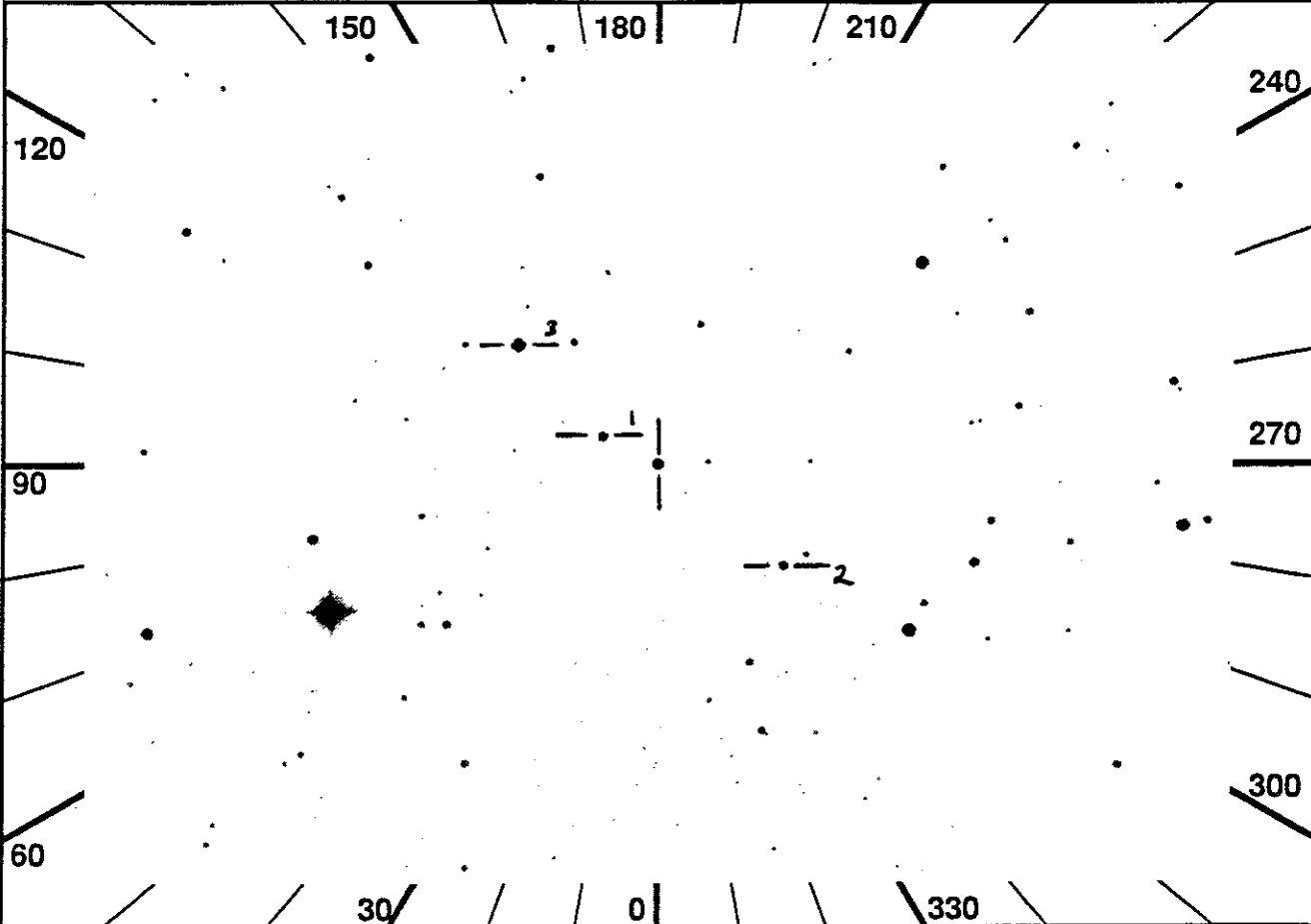


1 RA 198.5006 DEC 29.3624 ROLL 91.00

ID 0001-11

2 TIME 681

NAME HZ43



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	43	src sim 14	12 4.4	5	0	1	---	-	-	---	-	-	---	TVSENS		
4	W	101	aut aut	13	9 3.7	2	2	---	9	6	60	---	-	---	BKG2		
5	U	153	DT -	T F	0 a1	0	a2		0	a3		0	a4		0	a5	CALSEQ
6	JAC	ITEM 16	0			15			All	BEGIN							
7		Config	H W U			16	H	HOP	Perform	HUT FO5D							
8						17	W	JAC	NOTE:	WUP last seq = BKG							
9	JAC	All	SETUP			18		JOB	Observe								
10	U	UIT	Long calib. filtseq			19	JAC	All	PREVIEW								
11	U		Not descr. in tgt book			20		All	QUIT								
12		Chk	Stat -LOC -LOC RDY			21											
13		IMC	BEGIN			22	JAC	ITEM	16_1								
14		HUT	ITEM 5														

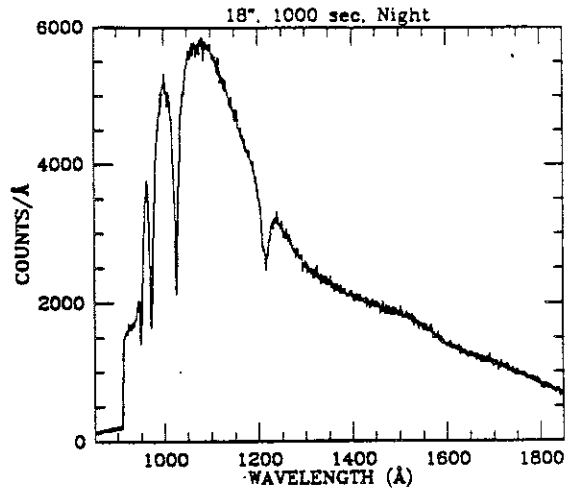
Hope to get unfilt

1

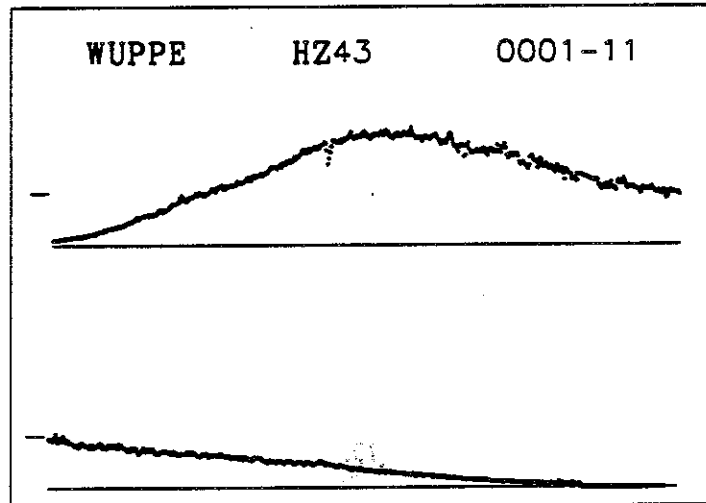
OBJECT: 0001-11 HZ43
KEYWORDS: DA White Dwarf, HUT cal
COMMENTS:

1 of 3 primary HUT flux calibrations,
so very important. First pointing
also used for TV camera sensitivity
calibration.

Spectrum shown here is for unfiltered
data. For filtered spectrum, see
target book page for 0001-12.



ID: 0001-11
Names: HZ43
Type: WD A
% Pol: 0
Comments: Lyot obs then
Halfwave Day Bkg



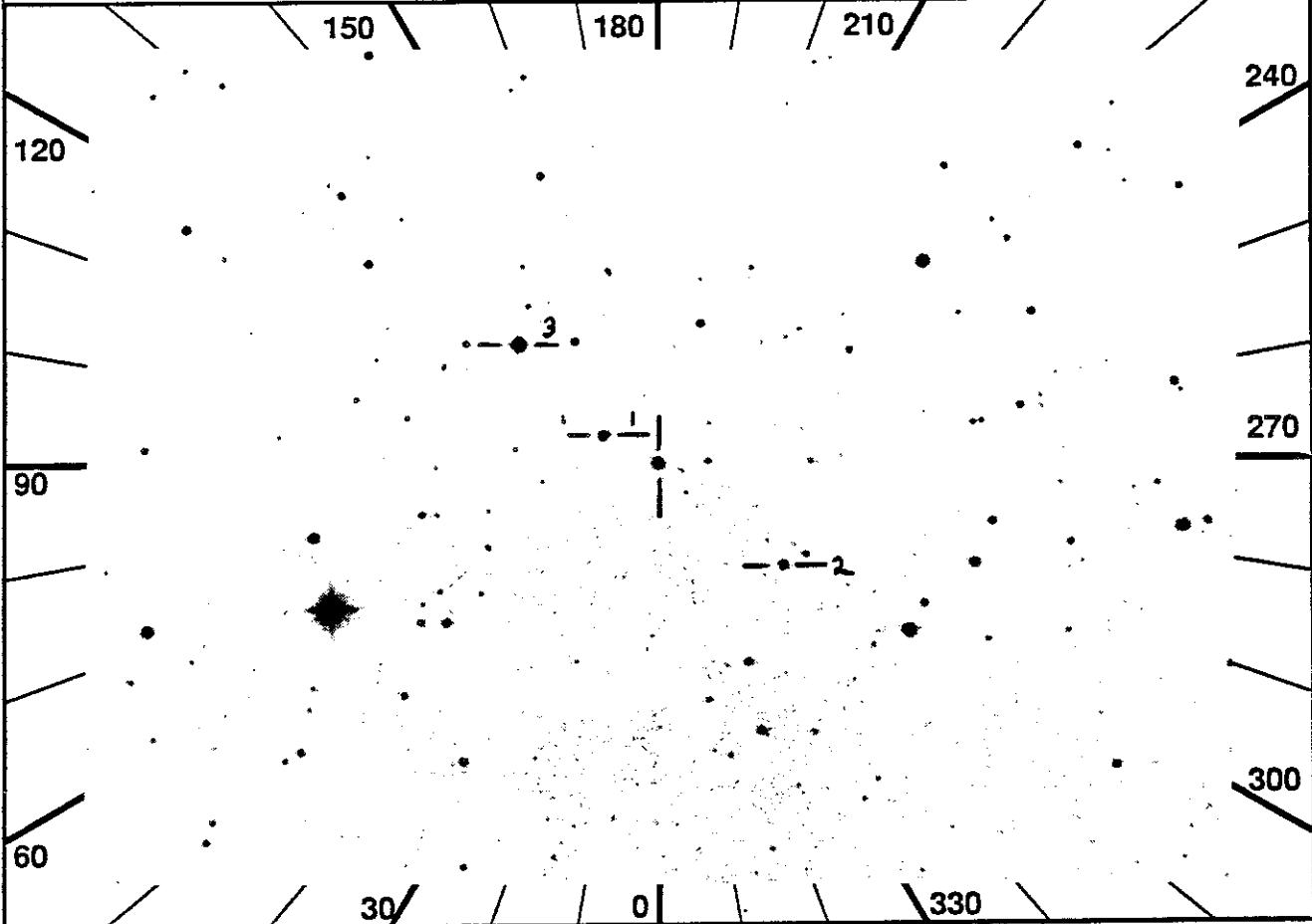
UIT
Observation Description

1 RA 198.5006 DEC 29.3624 ROLL 91.00

ID 0001-12

2 TIME 1317

NAME HZ43

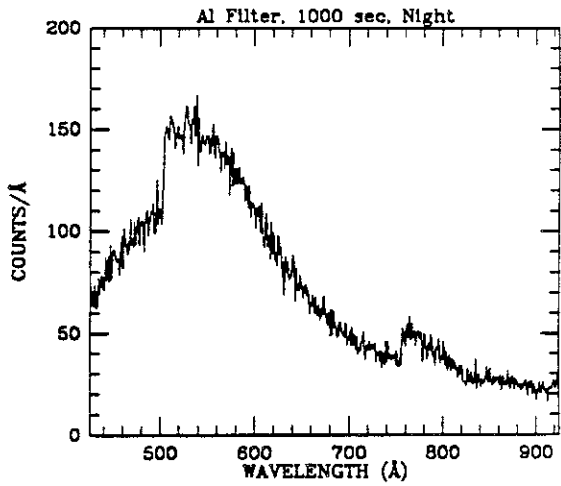


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	P H	52	src sim	14	14	4.4	5	7	1	---	3	4	---	---	---	TO 2ND		
4	W	101	aut aut	13	9	3.7		2	2	---	9	6	60	---	---	BKG2		
5	U	153	DT -	T F	0	a1		0	a2		0	a3		0	a4	0	a5	CALSEQ
6	JAC	ITEM 16	0					15								All BEGIN		
7		Config	H W U					16	H	JOB	HUT will dither to Alum							
8		-----						17	H		filt (slit 3), LOG_R=2.5							
9	JAC	All SETUP						18	W	JAC	NOTE: WUP last seq = BKG							
10	U	UIT	Long calib. filtseq					19		JOB	Observe							
11	U		Not descr. in tgt book					20	JAC	All PREVIEW								
12		Chk Stat	-LOC -LOC RDY					21			All QUIT							
13		IMC	BEGIN					22			-----							
14		HUT	ITEM 5					23	JAC	ITEM 16_1								

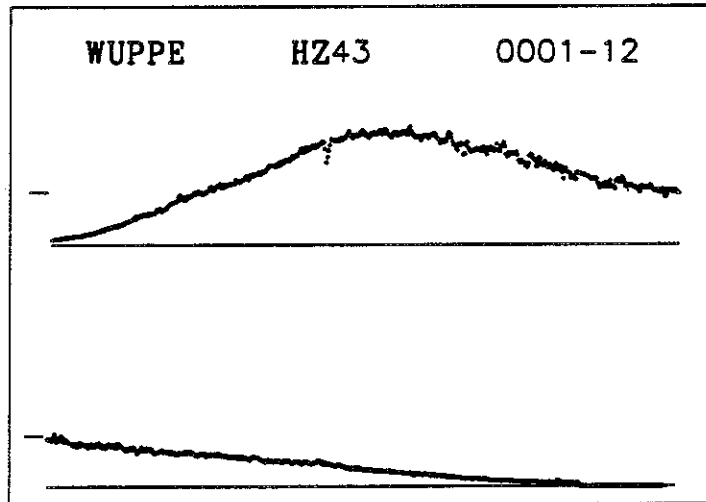
~~MADE UP FOR THE PREVIEW~~
 if got unfilt on 0001-11 use seq 53 here
 1

OBJECT: 0001-12, 0001-20 HZ43
KEYWORDS: DA White Dwarf, EUV source
COMMENTS:
These pointings primarily devoted to
science observation of EUV emissions
and absorption by local ISM.

If earlier pointing did not get
enough unfiltered cal data, will
dither between clear and Al filter
positions. Spectrum shown here is
filtered.



ID: 0001-12
Names: HZ43
Type: WD A
% Pol: 0
Comments: Lyot obs then
Halfwave Day Bkg



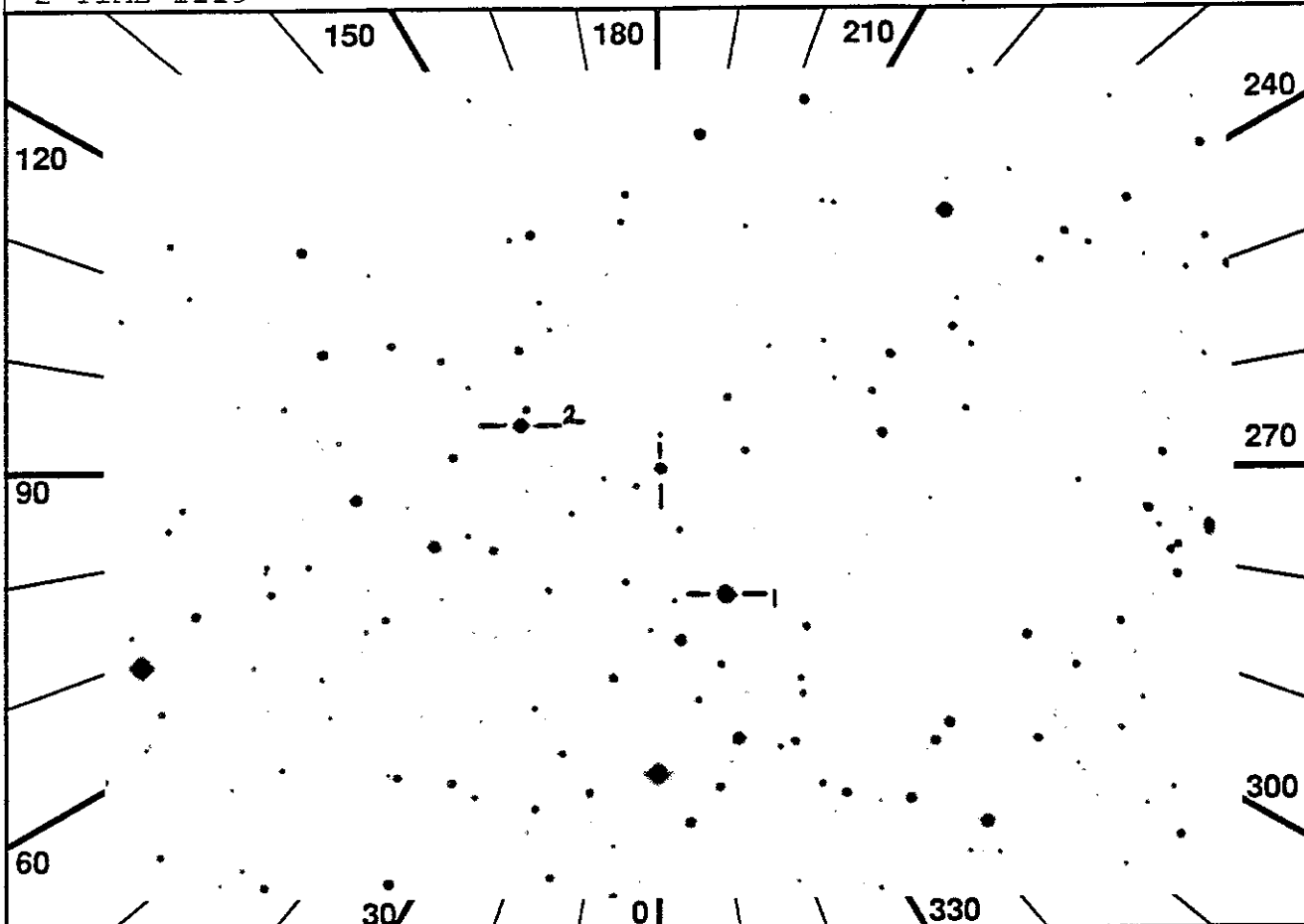
UIT
Observation Description

1 RA 158.6263 DEC 0.1208 ROLL 275.24

ID 0004-10

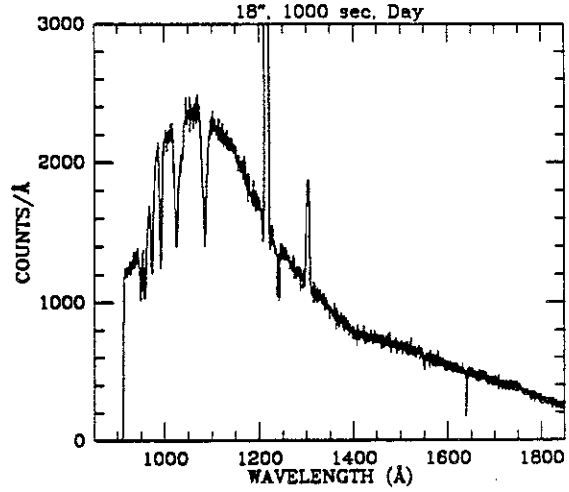
2 TIME 1119

NAME 1034+001

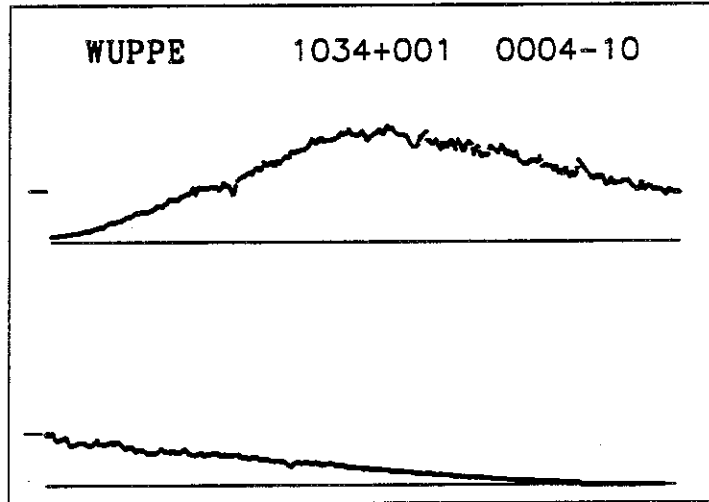


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	54	src sim	14	13	4.3	5	7	1	---	---	---	---	---	SAA	3M
4	W	102	aut aut	13	10	3.7		2	6	---	---	---	---			
5	U	247	DT -	T F	31	a2	31	a4	-	-	-	-	-	-		AST4SC
6	I		CMD WRI	3900					18	H	-					After SAA exit
7	I		F007F0010FA0	(4s upd)					19	H	JAC	ITEM	16	0		
8	I	IMC	CHK AST WAC	incr once/4s					20	H		HUT	SETUP			
9	H	-	VIP ON	until SAA exit					21	H		Chk	HUT	Stat	-LOC	
10	JAC		Config	H W U					22			All	BEGIN			
11			-----						23		JOB	Observe				
12	H	-	Note:	Acquisition in SAA					24		JAC	All	PREVIEW			
13	JAC		All	SETUP					25			All	QUIT			
14	H		Chk	Stat - -LOC RDY					26			-----				
15	H	TV	Verify	HUT acq on TV					27		JAC	ITEM	16_1			
16	JAC		IMC	BEGIN					28	I		CMD	ISS_3908	(1s upd)		
17			HUT	ITEM 5												

OBJECT: 0004 1034+001
KEYWORDS: DOZ1 -- Hot White Dwarf
COMMENTS:
Only weak features expected at long
wavelengths; use for flat-fielding.
Some pointings, 30" slit specified,
with +-6" offset within slit to get
offset spectra to separate out real
features from detector variations.



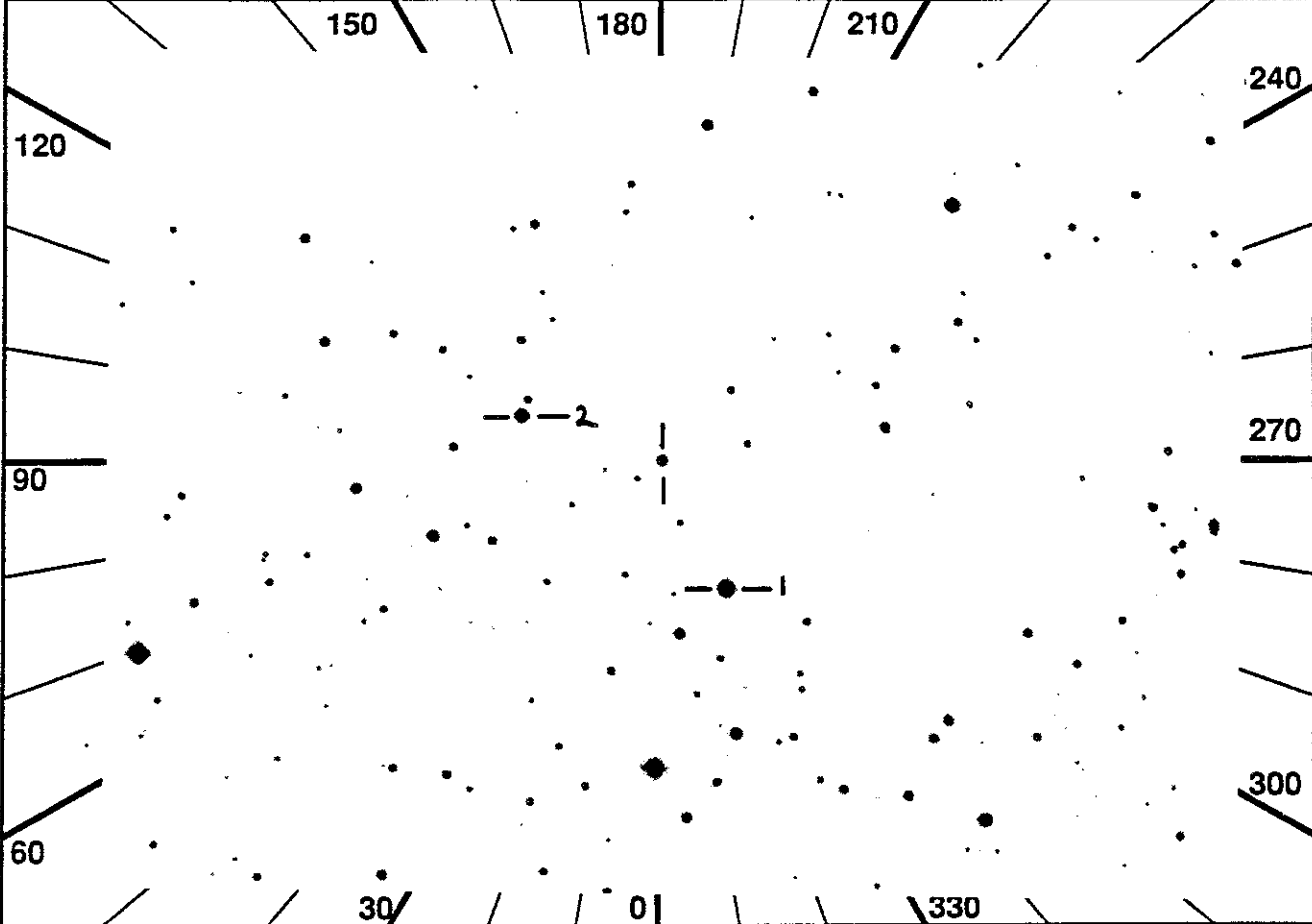
ID: 0004-10
Names: 1034+001
Type: WD O
% Pol: 0
Comments: halfwave
faint limit test



UIT
Observation Description

1 RA 158.6263 DEC 0.1208 ROLL 304.30
 2 TIME 1060

ID 0004-20
 NAME 1034+001

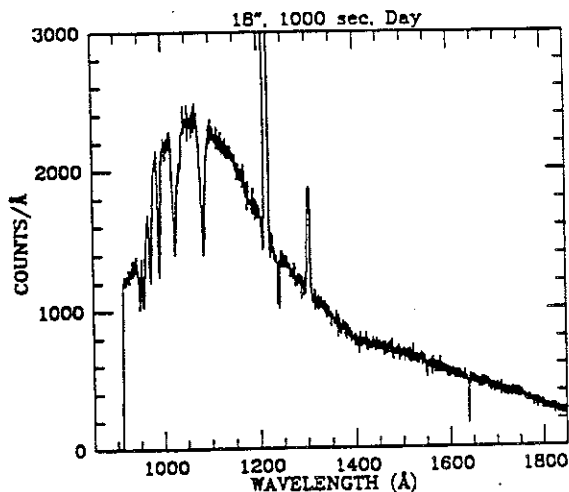


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	151	src off	14	13	4.3	5	1	1	6	1	1	6	-	-	-	-
4	W	102	aut aut	13	10	3.7		2	6	---	---	---	---				
5	U	37	DT -	T F	31	b5		-	-	-	-	-	-	-	-	-	AST4SC
6	I		CMD WRI 3900					15									HUT ITEM 5
7	I		F007F0010FA0 (4supd)					16									All BEGIN
8	I	IMC	Chk AST WAC incr once/4s					17									JOB Observe
9	JAC		ITEM 16 0					18									JAC All PREVIEW
10			Config H W U					19									All QUIT
11			-----					20									-----
12	JAC		All SETUP					21									JAC ITEM 16_1
13			Chk Stat -LOC -LOC RDY					22	I								CMD ISS_3908 (1s upd)
14			IMC BEGIN														

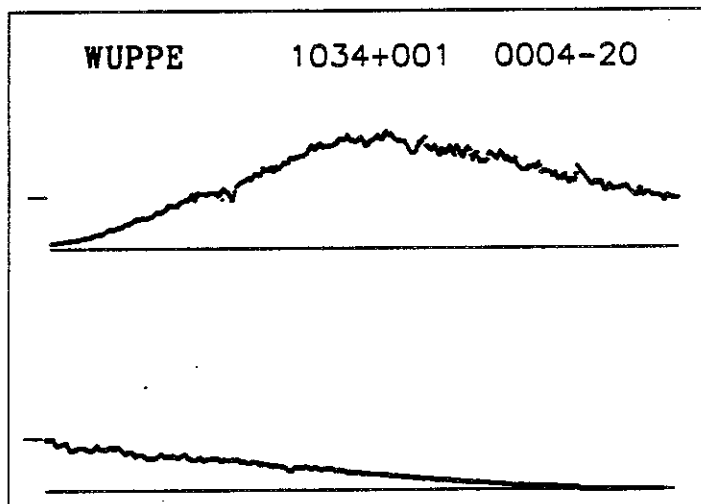
flat-field offset within 30" dit

1

OBJECT: 0004 1034+001
KEYWORDS: DOZ1 — Hot White Dwarf
COMMENTS:
Only weak features expected at long
wavelengths; use for flat-fielding.
Some pointings, 30" slit specified,
with $\pm 6''$ offset within slit to get
offset spectra to separate out real
features from detector variations.



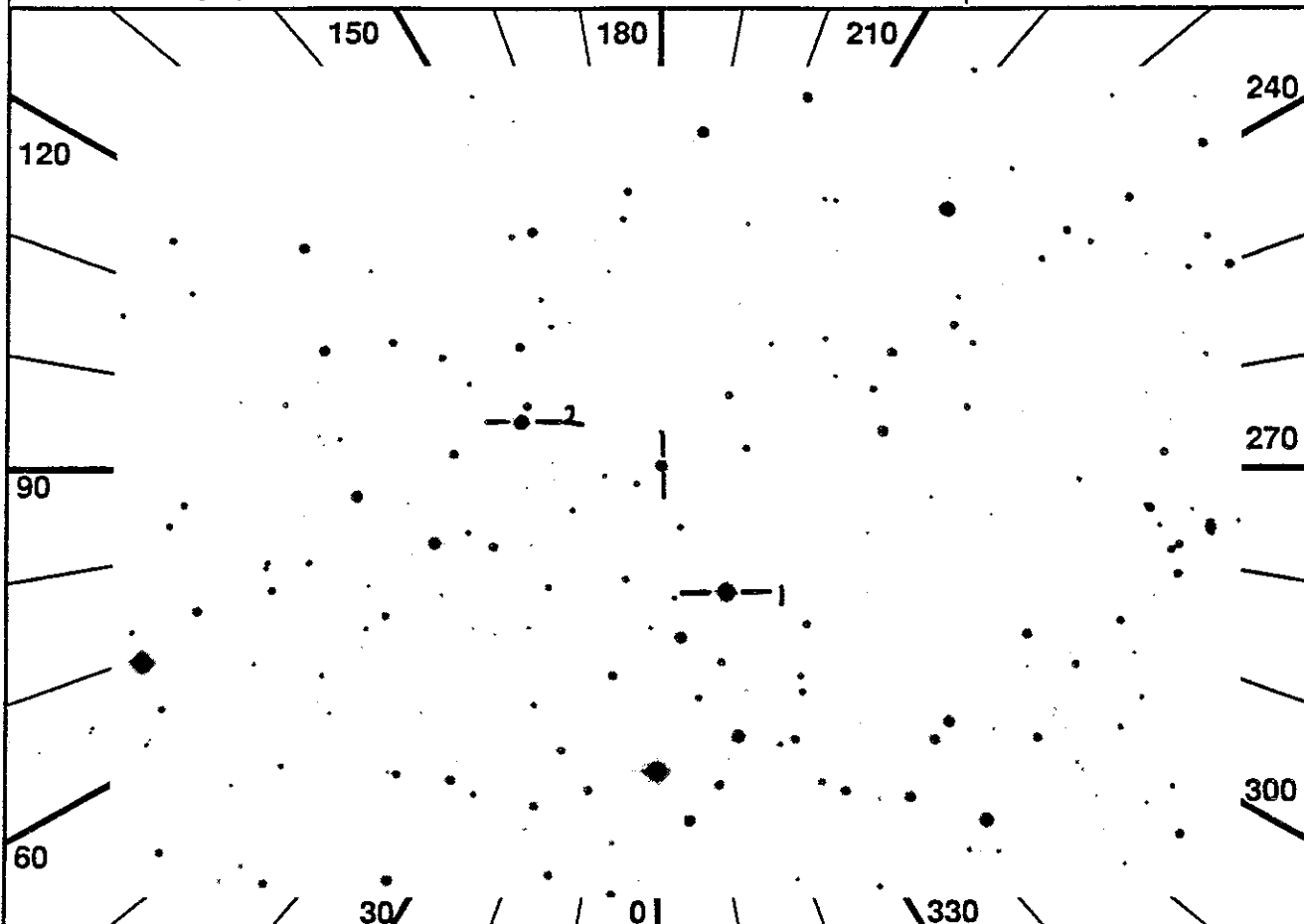
ID: 0004-20
Names: 1034+001
Type: WD O
% Pol: 0
Comments: halfwave
faint limit test



UIT
Observation Description

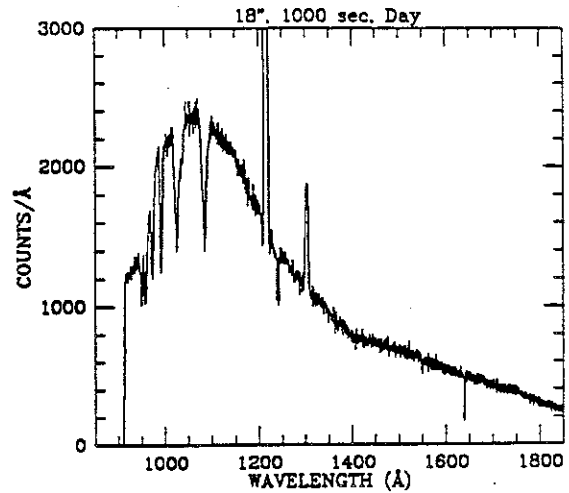
1 RA 158.6260 DEC 0.1208 ROLL 90.00
 2 TIME 972

ID 0004-30
 NAME 1034+001

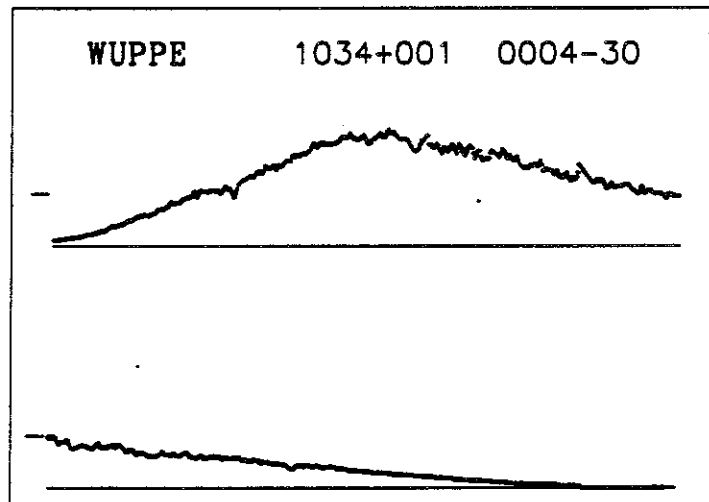


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	S H	369	src sim	14	13	4.3	5	7	1	---	---	---	---	---			
4	W	102	aut aut	13	10	3.7		2	6	---	---	---	---				
5	U	16	DT -	T F	31	a5		-	-	-	-	-	-	-		AST4SC	
6	I		CMD WRI	3900				15									HUT ITEM 5
7	I		F007F0010FA0	(4s upd)				16									All BEGIN
8	I	IMC	Chk AST	WAC	incr	once/4s		17	JOB								Observe
9	JAC	ITEM	16	0				18	JAC								All PREVIEW
10			Config	H W U				19									All QUIT
11			-----						20								-----
12	JAC	All	SETUP					21	JAC								ITEM 16_1
13		Chk	Stat	-LOC	-LOC	RDY		22	I								CMD ISS_3908 (1s upd)
14		IMC	BEGIN														

OBJECT: 0004 1034+001
KEYWORDS: DOZ1 -- Hot White Dwarf
COMMENTS:
Only weak features expected at long
wavelengths: use for flat-fielding.
Some pointings, 30" slit specified,
with $\pm 6''$ offset within slit to get
offset spectra to separate out real
features from detector variations.



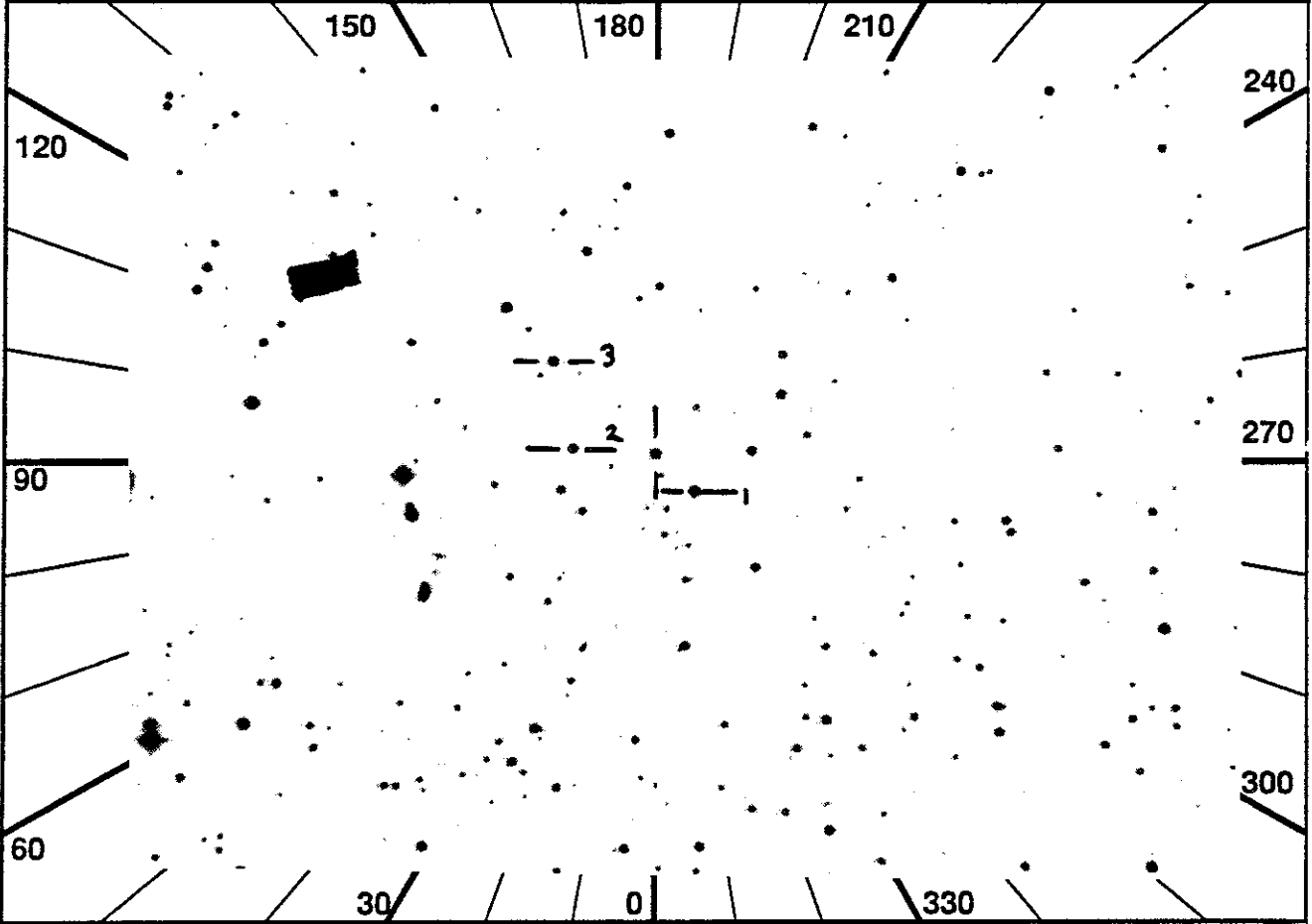
ID: 0004-30
Names: 1034+001
Type: WD O
% Pol: 0
Comments: halfwave
faint limit test



UIT
Observation Description

1 RA 347.4596 DEC 10.5125 ROLL 251.52
 2 TIME 1201

ID 0005-10
 NAME GD246

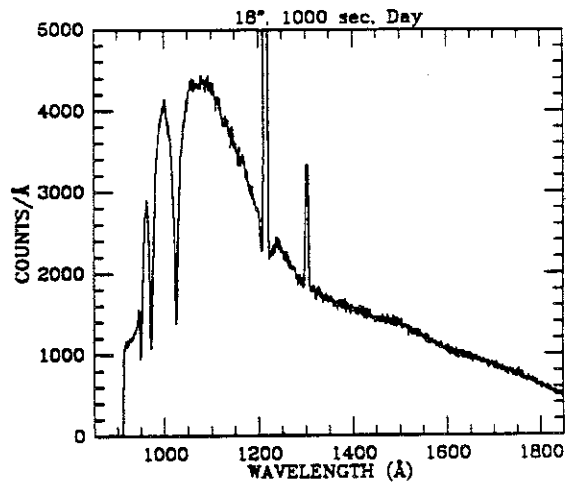


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	99	src sim	14	14	4.3	5	7	1	---	-	-	---	-	-	---
4	W	102	aut aut	13	10	3.7		2	6	---	-	-	---	-	-	---
5	U	213	DT -	T F	31	a2		31	a5	31	b5	-	-	-	-	-
6	JAC	ITEM 16	0					13				All	BEGIN			
7		Config	H W U					14				JOB	Observe			
8		-----						15				JAC	All PREVIEW			
9	JAC	All	SETUP					16				All	QUIT			
10		Chk	Stat	-LOC	-LOC	RDY		17				-----				
11		IMC	BEGIN					18				JAC	ITEM 16_1			
12		HUT	ITEM 5													

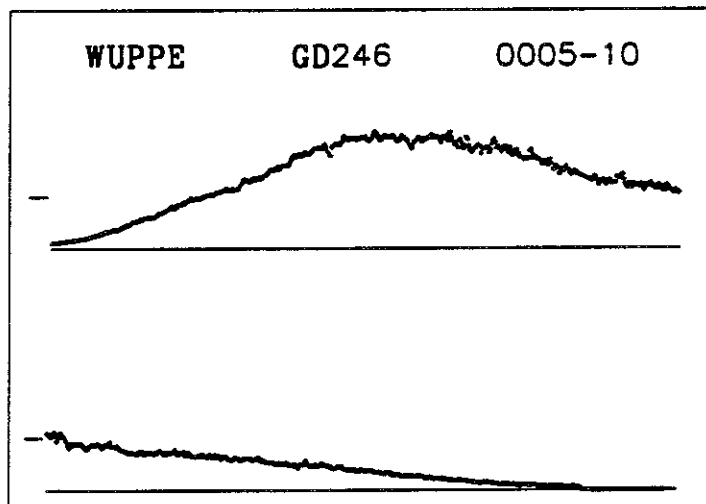
DA calibrator

1

OBJECT: 0005 GD246
KEYWORDS: DA White Dwarf, flux cal
COMMENTS:
1 of 3 primary flux calibrations for
HUT—very important.
Hot DA, flux to 912; no EUV
expected, however.



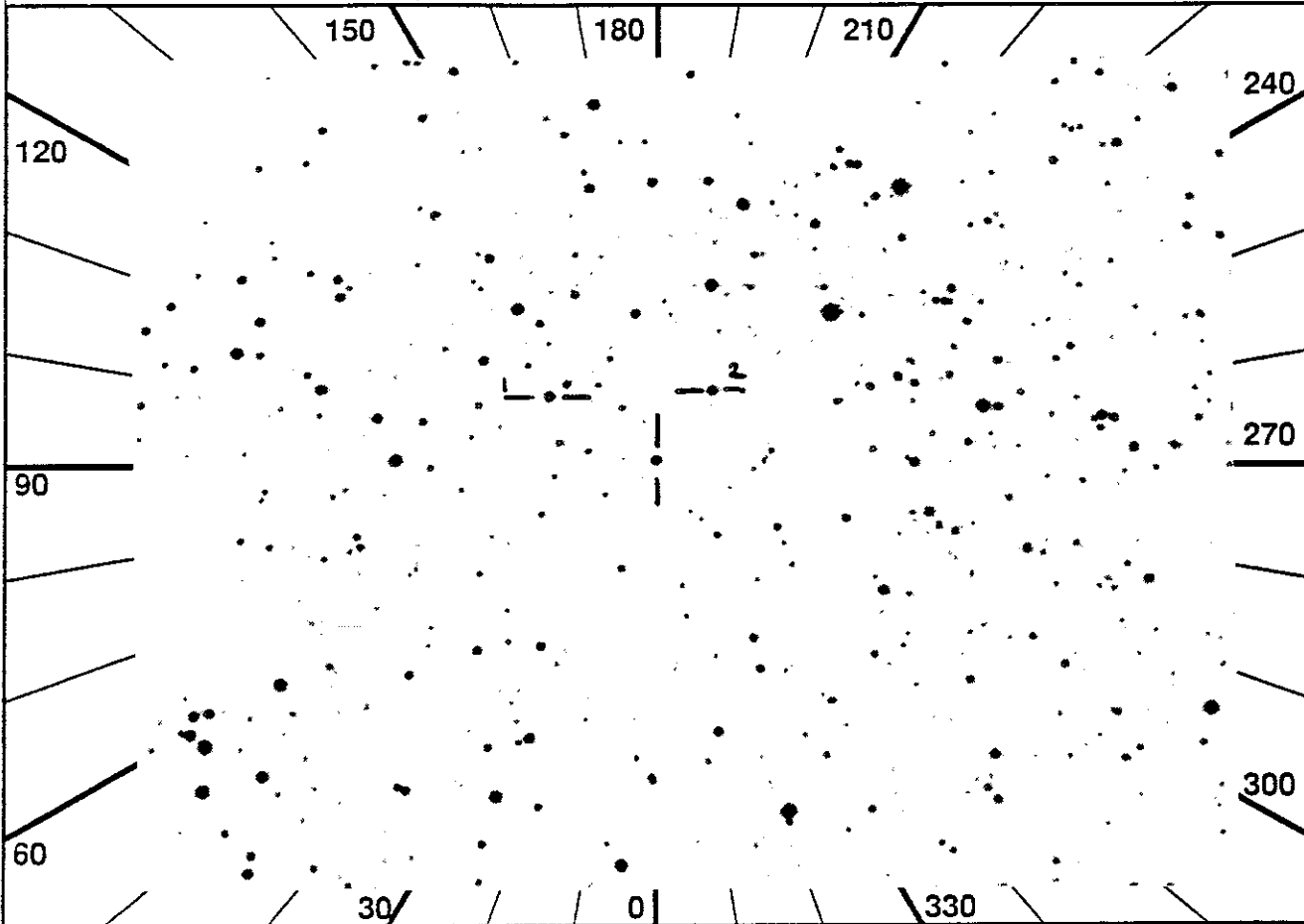
ID: 0005-10
Names: GD246
Type: WD 05
% Pol: 0
Comments: halfwave
faint limit test



UIT
Observation Description

1 RA 235.5160 DEC 18.2702 ROLL 99.84
 2 TIME 1706

ID 0009-10
 NAME GD190



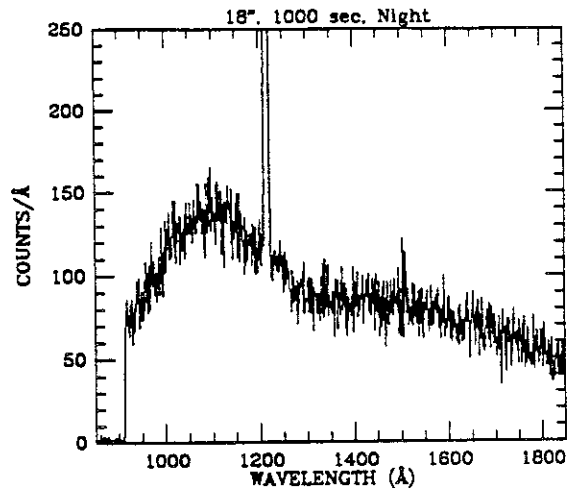
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	118	src sim	15 16	3.0 5	7	4	---	---	---	---					
4	W	104	ncn nqd	15 11	2.6	2	6	---	---	---	---				FNTLOC	
5	U	101	DT 144	T F	31 a1	31	b1									
6	JAC	ITEM 16_0				19	W	* Config without WUP								
7		Config H W U				20		All BEGIN								
8		-----				21	W	*IF WUP Deconfig								
9	JAC	All SETUP				22	W	* WUP ITEM 11 F +1								
10	W	Chk Stat -LOC -CUR RDY				23	W	* Cur/ITEM 6 in fld, zm								
11		IMC BEGIN				24	W	* WUP ITEM 4 (Cur off)								
12		HUT ITEM 5				25	W	* WUP ITEM 7 (Begin)								
13	W	WUP tgt= HUT faint star				26	W	* Config with WUP								
14	W	*IF WUP target visible				27	JOB	Observe								
15	W	* WUP PFK cur to target				28	JAC	All PREVIEW								
16	W	* WUP ITEM 6 (Cntr)				29		All QUIT								
17	W	* WUP ITEM 4 (Cur off)				30		-----								
18	W	*ELSE				31	JAC	ITEM 16_1								

dB flat to 912 calibrator
 1

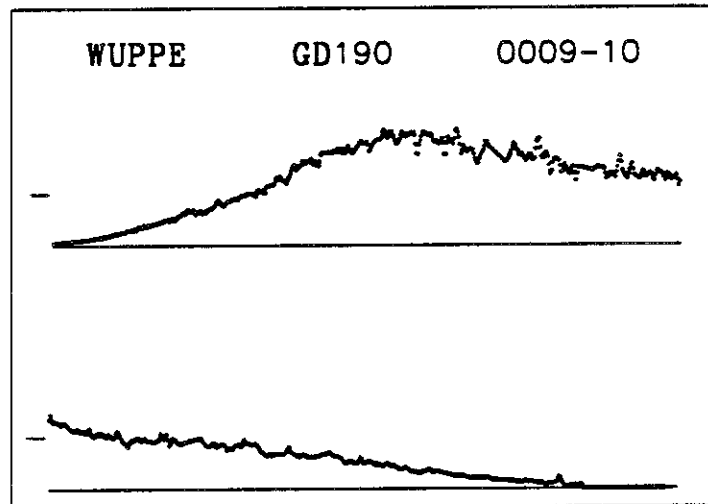
OBJECT: 0009 GD190
KEYWORDS: DB White Dwarf, 912 A cal
COMMENTS:

Hot DB, flux to 912; but cool enough
so that no He II lines expected.

Hence, should be smooth continuum
all the way to 912 edge. Calibrate
HUT response near edge for modelling
Lyman cutoffs in redshifted systems.



ID: 0009-10
Names: GD190
Type: DB3
% Pol: 0
Comments: halfwave
faint limit test



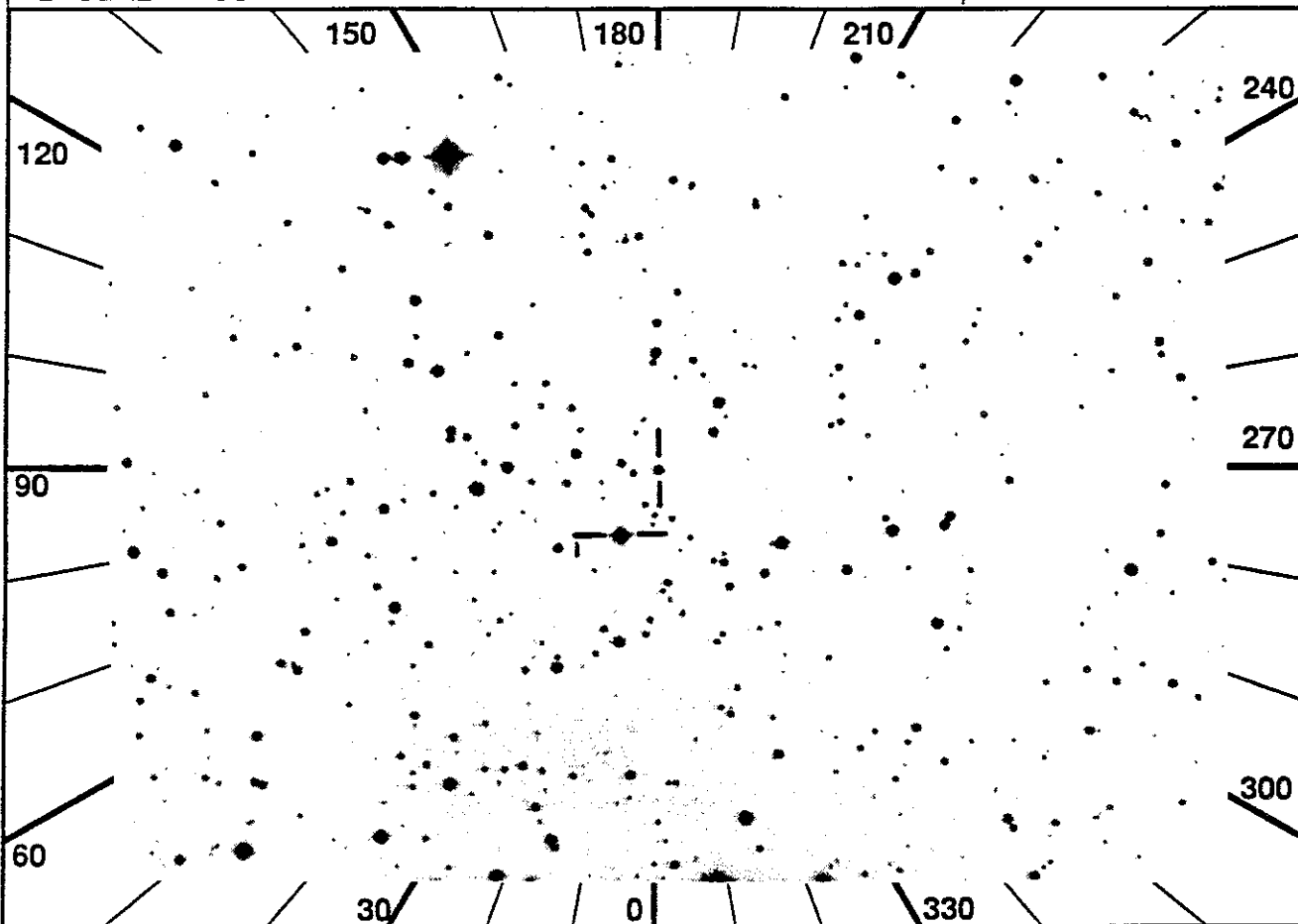
UIT
Observation Description

1 RA 1.2394 DEC 33.0129 ROLL 75.00

ID 0010-10

2 TIME 753

NAME GD002

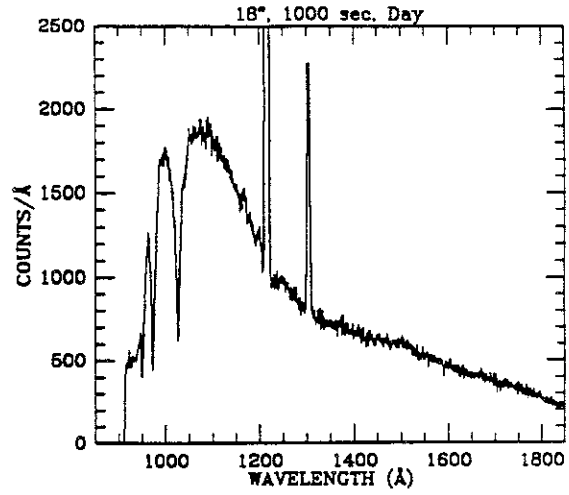


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	345	src	sim	15	12	3.9	5	7	1	---	---	---		
4	W		293	ncn	ngd	14	10	3.3		2	6	---	---	---	FNTLOC	
5	U		213	DT	-	T	F	31	a2	31	a5	31	b5	-	-	-
6	JAC		ITEM 16	0						19	W					* Config without WUP
7			Config	H	W	U				20						All BEGIN
8			-----							21	W					*IF WUP Deconfig
9	JAC		All	SETUP						22	W					* WUP ITEM 11 F +1
10	W		Chk	Stat	-LOC	-CUR	RDY			23	W					* Cur/ITEM 6 In fld, zm
11			IMC	BEGIN						24	W					* WUP ITEM 4 (Cur off)
12			HUT	ITEM	5					25	W					* WUP ITEM 7 (Begin)
13	W		WUP	tgt=	HUT	faint	star			26	W					* Config with WUP
14	W		*IF	WUP	target	visible				27		JOB	Observe			
15	W		* WUP	PFK	cur	to	target			28		JAC	All	PREVIEW		
16	W		* WUP	ITEM	6	(Cntr)				29			All	QUIT		
17	W		* WUP	ITEM	4	(Cur	off)			30			-----			
18	W		*ELSE							31		JAC	ITEM	16_1		

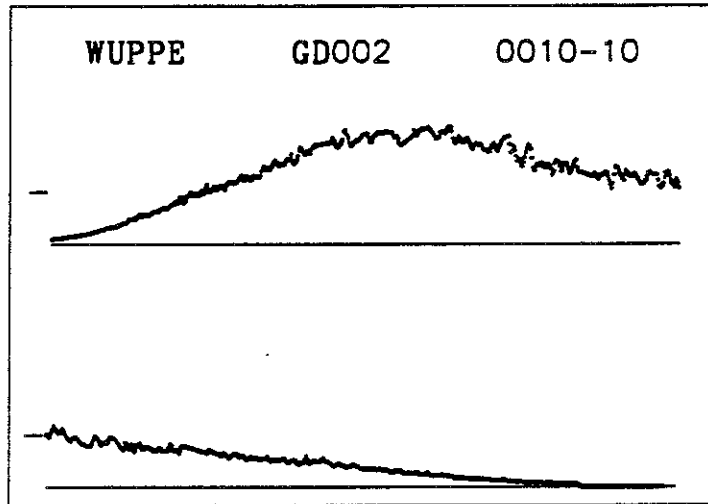
DA calibrator

1

OBJECT: 0010 GD002
KEYWORDS: DA White Dwarf, flux cal
COMMENTS:
1 of 3 primary flux calibrators
for HUT--very important.
Hot DA, flux down to 912, but no
EUV expected.



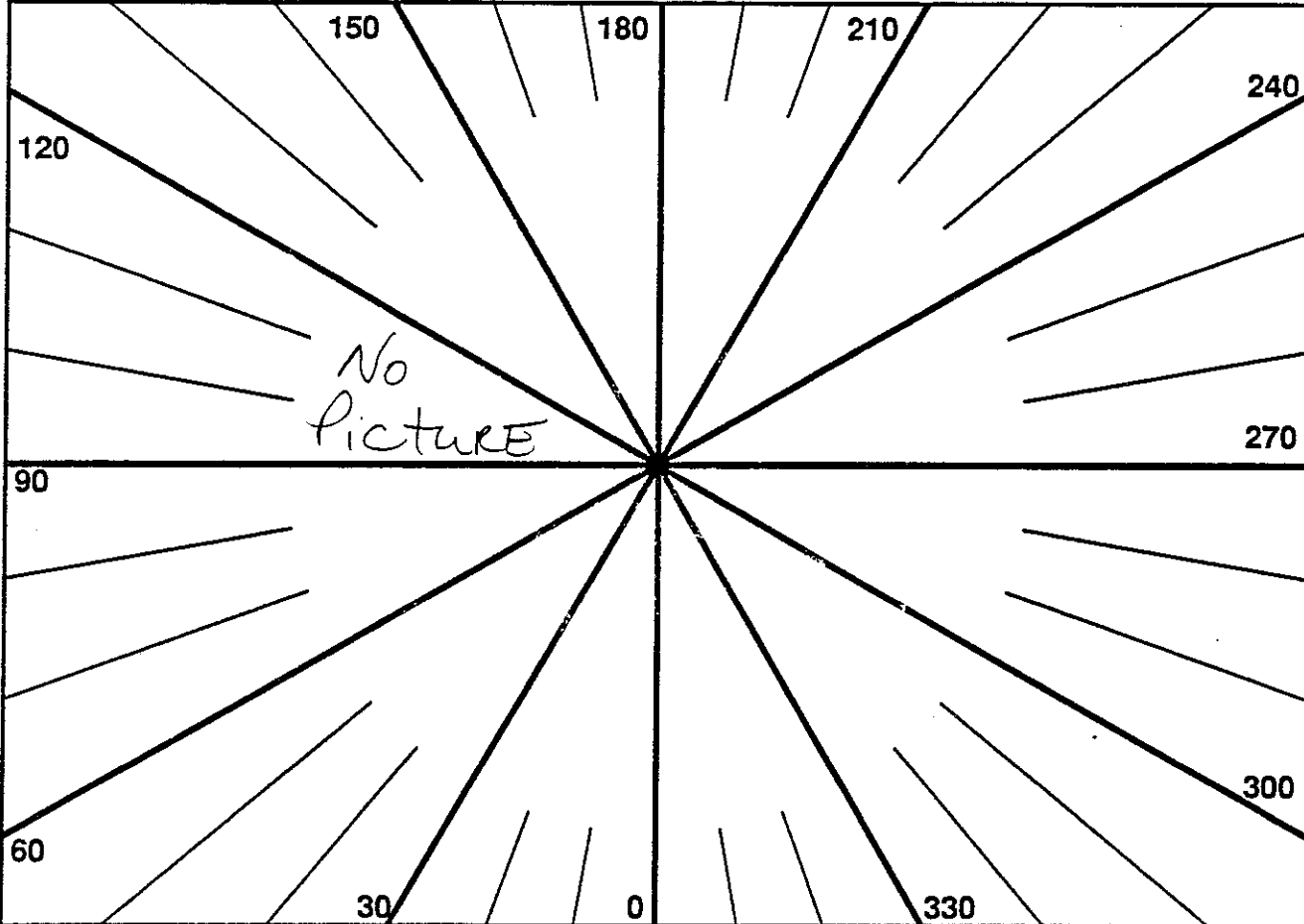
ID: 0010-10
Names: GD002
Type: WD A
% Pol: 0
Comments: halfwave
faint limit test



UIT
Observation Description

1 RA 213.7740 DEC -13.5518 ROLL 290.29
 2 TIME 1560

ID 0301-11
 NAME BR-EARTH

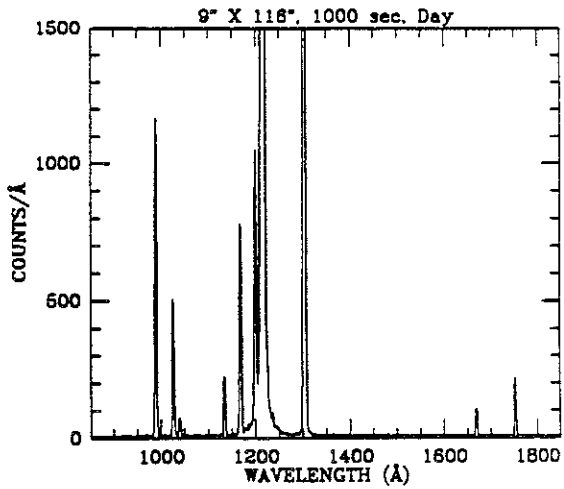


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	332	nlc sim	-3	-3	1.0	5	3	1	---	---	---	---	---	EARTHA			
4	W	106	aut aut	-2	-2	5.0		15	*	---	---	---	---	---	NOWUP			
5	P	U	152	DT	-	T	F	0	a1	0	a2	0	a3	0	a4	0	a5	BEARTH
6	U							21	J	Chk	Stat	-	STB	RDY				
7	U	UOB	ITEM 82	(Dsable	BOS,chk)			22		All	BEGIN							
8	H	HDC	ITEM 42_0	(close	doors)			23	H	HDC	Perform	HUT	FO6A					
9	H		ITEM 61_3	(ND4	filt)			24		JOB	Observe							
10	H		ITEM 63_0	(disable	EBOS)			25	W	JAC	Config	with	WUP					
11	H		Check 6I_3_3					26		All	PREVIEW							
12	H		ITEM 42_5	(open	doors)			27	H	HDC	(just	prior	to	QUIT)				
13	U	IST	NOTE: IPS	Res	Hld	90,0,0		28	H		ITEM	42_0	(close	doors)				
14	U		no obj,	IDOP				29	H		ITEM	61_0	(ND6	filt)				
15	H	JAC	Leave	VIP	ON,	DET	OFF	30	H		Check	6I_0_0						
16	W		Config	without	WUP			31	JAC	All	QUIT							
17			-----					32		-----								
18	JAC		All	SETUP				33	H	HDC	ITEM	63_1	(enable	EBOS)				
19	U		UIT	Long	calib.	filtseq		34	U		(During	slew)						
20	U		Not	descr.	in	tgt	book	35	U	UOB	ITEM	81	(Enable	BOS,chk)				

INSERT

H ITEM 19 (CURRENT CONTEXT)
 NO HUT DET OPS !

OBJECT: 0301 BR-EARTH
KEYWORDS: Slit wheel calibrations
COMMENTS:
First pointing: 0301-11, NO HUT
DETECTOR OPERATIONS: TV camera
slit centers only.
Second pointing: 0301-12, do run
HUT detector; get airglow data
at all slit positions as per
F08B.

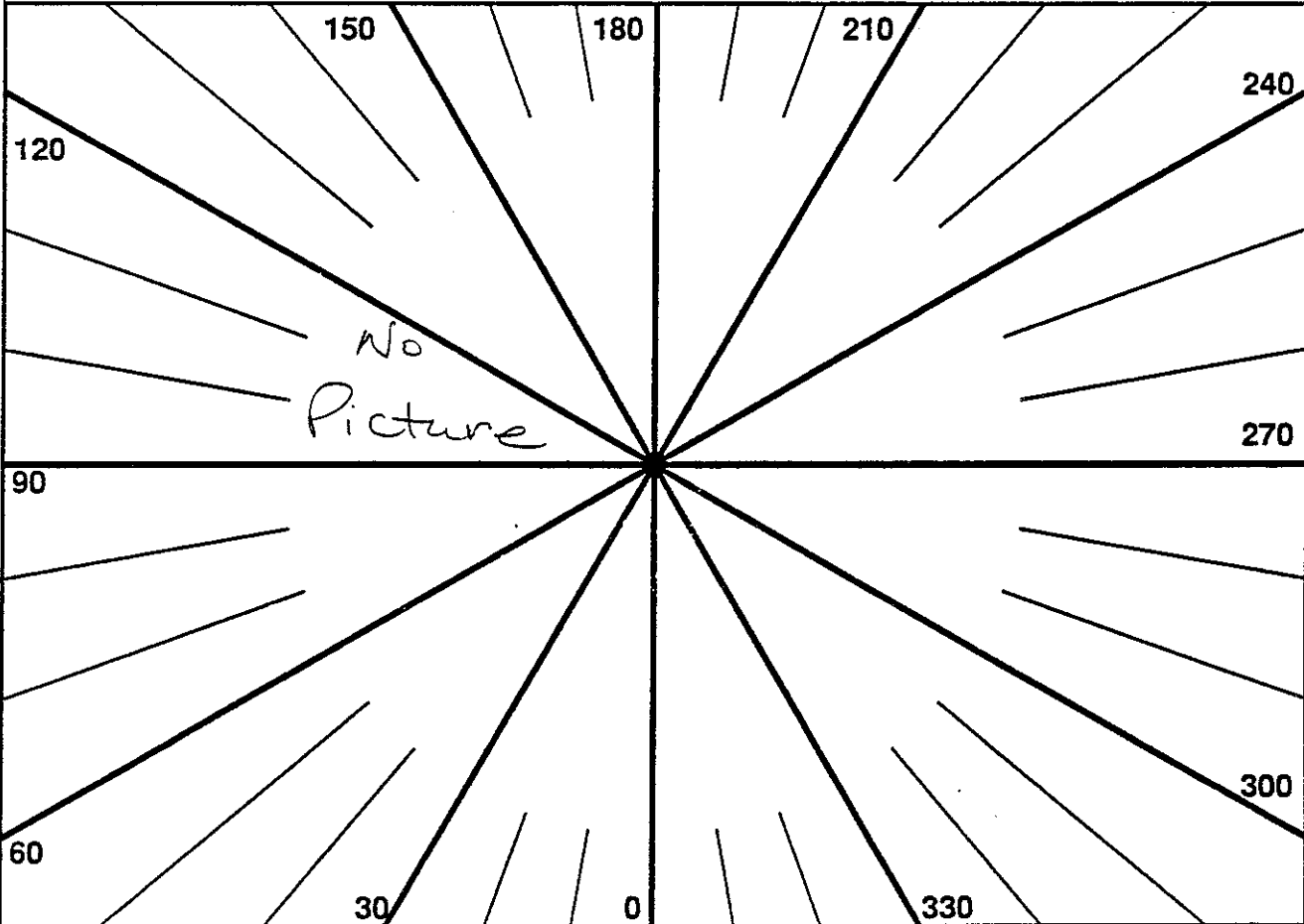


ID: 0301-11
Names: BR-EARTH
Type: G2 V
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: No WUPPE observation.
Bright earth too bright for
both ZOD and spec

UIT
Observation Description

1 RA 213.7740 DEC -13.5518 ROLL 290.29
 2 TIME 780

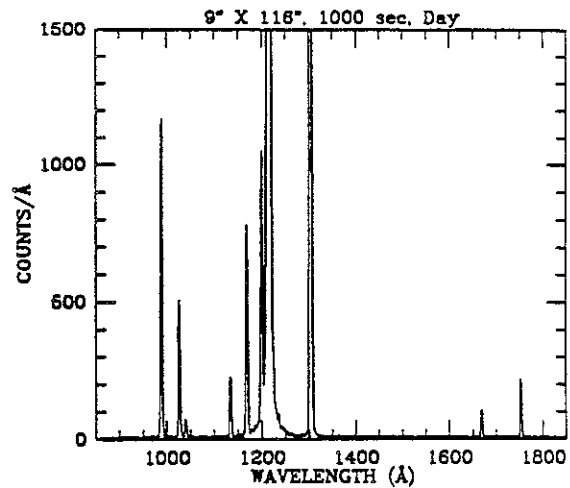
ID 0301-12
 NAME BR-EARTH



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	333	nlc	sim	-3	-3	1.0	5	3	1	---	-	-	---	EARTH	EARTH		
4	W	106	aut	aut	-2	-2	5.0		15	*	---	-	-	---	NOWUP			
5	P	U	151	DT	-	T	F	0	a1	0	a2	0	a3	0	a4	0	a5	BEARTH
6	U								21	J		Chk	Stat	-	STB	RDY		
7	U	UOB	ITEM	82	(D	sable	BOS,	chk)	22			All	BEGIN					
8	H	HDC	ITEM	42_0	(close	doors)			23	H	HDC	Perform	HUT	FO6A				
9	H		ITEM	61_3	(ND4	filt)			24	JOB	Observe							
10	H		ITEM	63_0	(disable	EBOS)			25	W	JAC	Config	with	WUP				
11	H		Check	6I	3_3				26			All	PREVIEW					
12	H		ITEM	42_5	(open	doors)			27	H	HDC	(just	prior	to	QUIT)			
13	U	IST	NOTE:	IFS	Res	Hld	90,0,0		28	H		ITEM	42_0	(close	doors)			
14	U		no	obj,	IDOP				29	H		ITEM	61_0	(ND6	filt)			
15	H	JAC	Leave	VIP	ON,	DET	OFF		30	H		Check	6I_0_0					
16	W		Config	without	WUP				31	JAC	All	QUIT						
17									32									
18	JAC	All	SETUP						33	H	HDC	ITEM	63_1	(enable	EBOS)			
19	U	UIT	Long	calib.	filtseq				34	U		(During	slew)					
20	U	Not	descr.	in	tgt	book			35	U	UOB	ITEM	81	(Enable	BOS,	chk)		

NEED TO REGENERATE TARGET PAGE WITH
 HUT ALT EARTH

OBJECT: 0301 BR-EARTH
KEYWORDS: Slit wheel calibrations
COMMENTS:
First pointing: 0301-11, NO HUT
DETECTOR OPERATIONS: TV camera
slit centers only.
Second pointing: 0301-12, do run
HUT detector; get airglow data
at all slit positions as per
FO8B.



ID: 0301-12
Names: BR-EARTH
Type: G2 V
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: No WUPPE observation.
Bright earth too bright for
both ZOD and spec

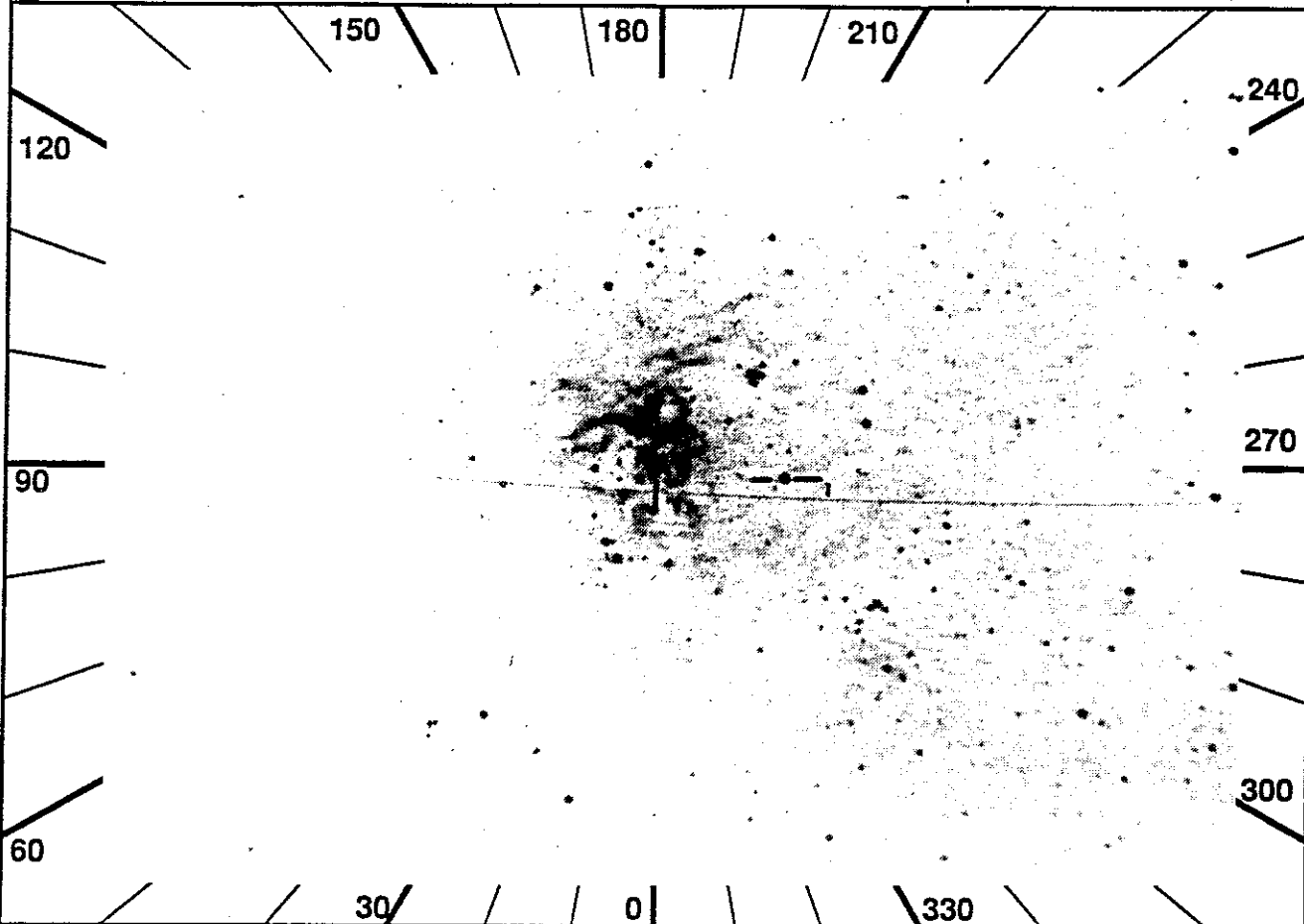
UIT
Observation Description

1 RA 84.7645 DEC -69.1264 ROLL 276.99

ID 0502-10

2 TIME 2071 MANOPS

NAME NGC2070

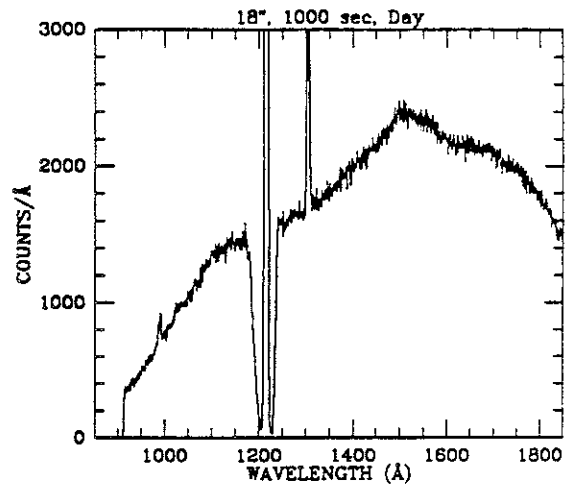


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	44	src	sim	11	12	4.2	5	7	1	---	7	2	---	---	PHDMON
4	P	W	107	aut	aut	9	9	3.8	2	2	---	2	2	50	---	APMAP
5	U	212	DT	-	T	F	31	a2	31	a4	31	a5	31	b5	-	-
6	JAC	ITEM	16	0					16	W						centered aps x = 3
7		Config	H	W	U				17	W						long slits y = 6,7,8
8		-----							18	W						occulting sl z = 10,11
9	JAC	All	SETUP						19	JOB	Observe					
10		Chk	Stat	-LOC	-LOC	RDY			20	H	HUT	will	dither	to	ss	
11		IMC	BEGIN						21	H	mode	for	part	of	obs.	
12		HUT	ITEM	5					22	JAC	All	PREVIEW				
13		All	BEGIN						23		All	QUIT				
14	W	WOB	Perform	WUP	FO-4,	steps			24		-----					
15	W		11.2-12.10	with:					25	JAC	ITEM	16_1				

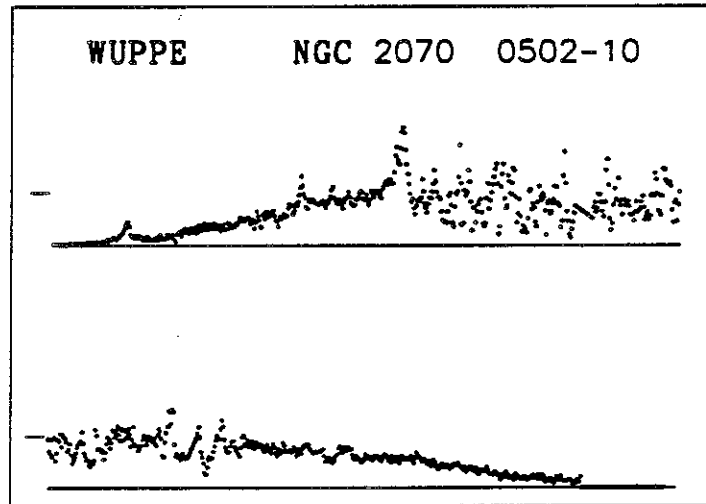
30 Dor
2

OBJECT: 0502 NGC2070
KEYWORDS: BO glop including R136a
COMMENTS:
HUT observation centered on R136a

Will take pulse height data as well.



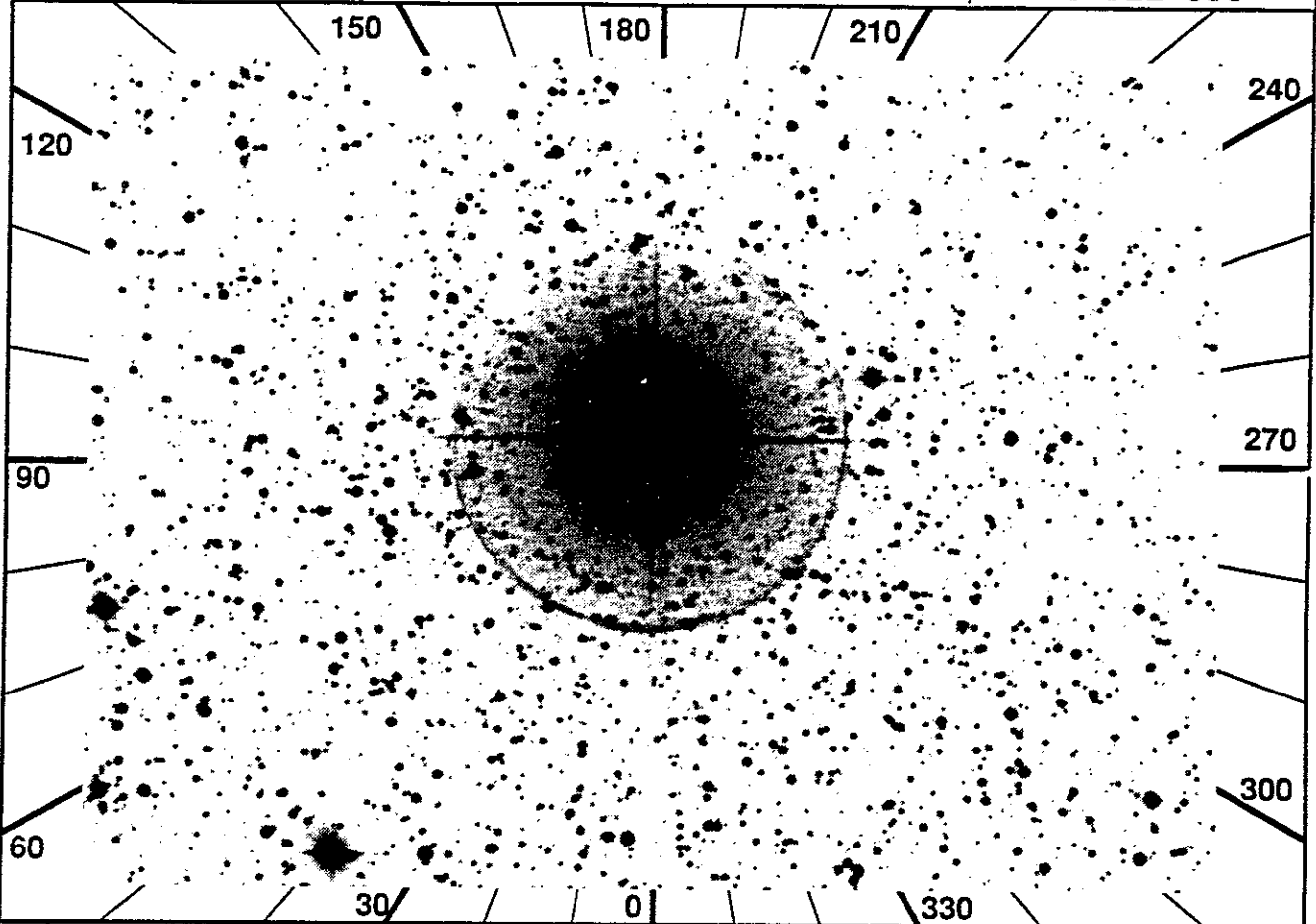
ID: 0502-10
Names: NGC2070 30DOR
Type:
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: WUPPE aperture map
target. Bright diffuse obj
used as bright background.
No science observation.



UIT
Observation Description

1 RA 295.8528 DEC 45.0078 ROLL 90.00
 2 TIME 2161

ID 0603-10
 NAME DEL-CYG

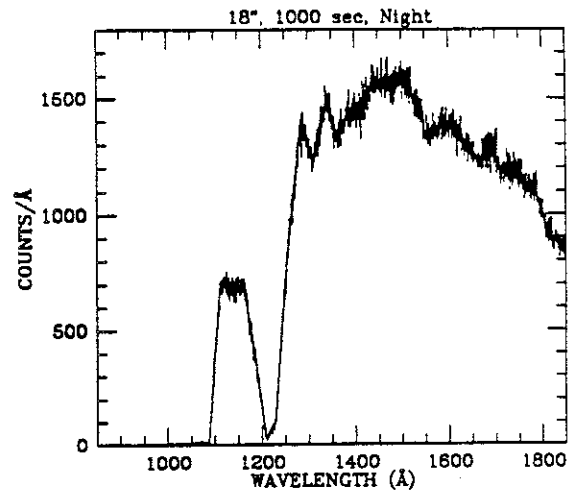


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	57	src	sim	4	4	4.5	2	7	1	---	7	2	---	SMALAP	PHDMON	
4	P	W 109	aut	aut	3	2	6.4		8	6	---	8	2	---			
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT		
6	U		(At beginning of slew)						20	H	JAC	ITEM 16_0					
7	U	UAC	*IF UIT Door O*						21		JOB	Observe					
8	U		* ITEM 44, Chk Door C*						22	H		HUT will dither to ss					
9	U		Expect UIT SET,OBS err						23	H		mode for part of obs.					
10	H	JAC	VIP ON until at obs slit						24		JAC	All PREVIEW					
11			Config H W U						25	H	HDC	(just prior to QUIT)					
12			-----						26	H		ITEM 61_0 (ND6 filt)					
13	JAC		All SETUP						27	H		Check 61_0_0					
14	J		Chk Stat - -LOC STB						28	H	JAC	ITEM 16 I					
15	H	TV	Verify HUT acq on TV						29			All QUIT					
16	JAC		IMC BEGIN						30			-----					
17			HUT ITEM 5						31	U		(During slew)					
18			All BEGIN						32	U	UAC	*IF next obj not V-BRT					
19	H	HSP	When actual slit pos=7						33	U		* ITEM 43, Chk Door O*					

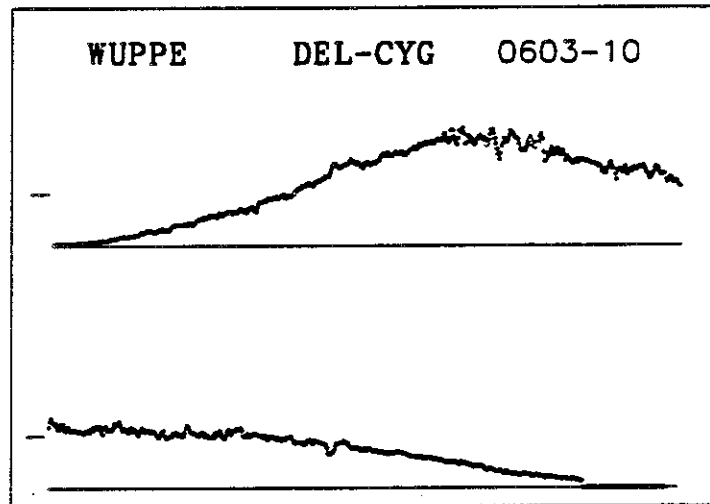
3

OBJECT: 0603 DEL-CYG
KEYWORDS: A0 III star, WUPPE cal
COMMENTS:
Too cool for short wavelength flux
in HUT. Used for pulse height
calibrations.

Uses 50 cm**2 door, careful pump,
detector ops.



ID: 0603-10
Names: DEL-CYG HD186882
Type: B9.5IV
% Pol: 0.007 +/- .01 (PEO)
Pol Var: No
Pos Ang: 17
Mechanism:
Comments: Instrumental pol
calibration.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



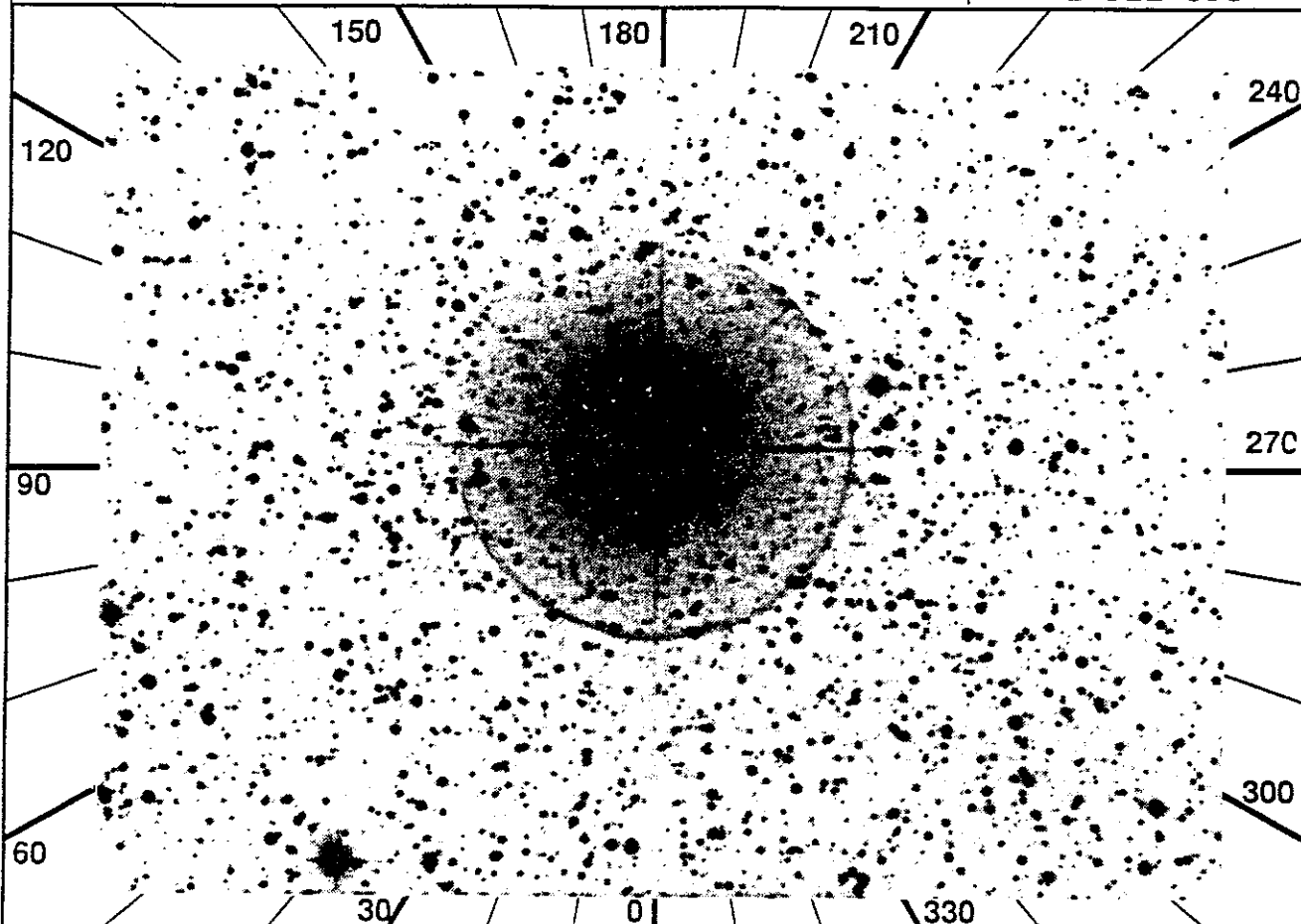
UIT
Observation Description

1 RA 295.8528 DEC 45.0078 ROLL 180.00

ID 0603-21

2 TIME 1118

NAME DEL-CYG

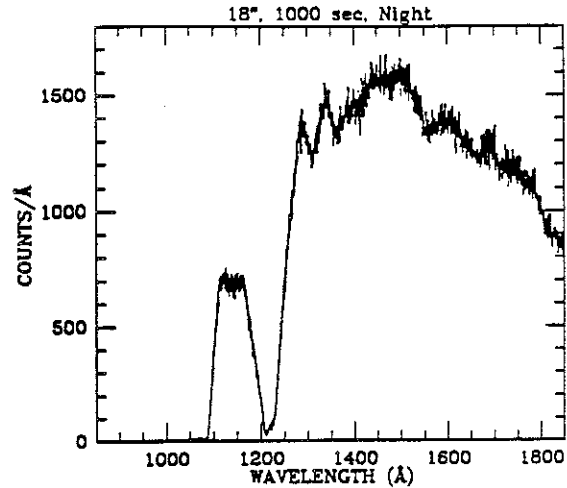


	SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	238	src sim	4	4	4.5	2	7	1	---	7	2	---	---	---	SMALAP	PHDMON
4	P	W 109	aut aut	3	2	6.4		8	6	---	8	2	---	8	4		
5	U	99	DT -	T	F	-	-	-	-	-	-	-	-	-	-	-	V-BRT
6	U		(At beginning of slew)				20	H	JAC	ITEM 16_0							
7	U	UAC	*IF UIT Door O*				21		JOB	Observe							
8	U		* ITEM 44, Chk Door C*				22	H		HUT will dither to ss							
9	U		Expect UIT SET,OBS err				23	H		mode for part of obs.							
10	H	JAC	VIP ON until at obs slit				24		JAC	All PREVIEW							
11			Config H W U				25	H	HDC	(just prior to QUIT)							
12			-----				26	H		ITEM 61_0 (ND6 filt)							
13		JAC	All SETUP				27	H		Check 61_0_0							
14	J		Chk Stat -		-LOC	STB	28	H	JAC	ITEM 16_1							
15	H	TV	Verify HUT acq on TV				29			All QUIT							
16		JAC	IMC BEGIN				30			-----							
17			HUT ITEM 5				31	U		(During slew)							
18			All BEGIN				32	U	UAC	*IF next obj not V-BRT							
19	H	HSP	When actual slit pos=7				33	U		* ITEM 43, Chk Door O*							

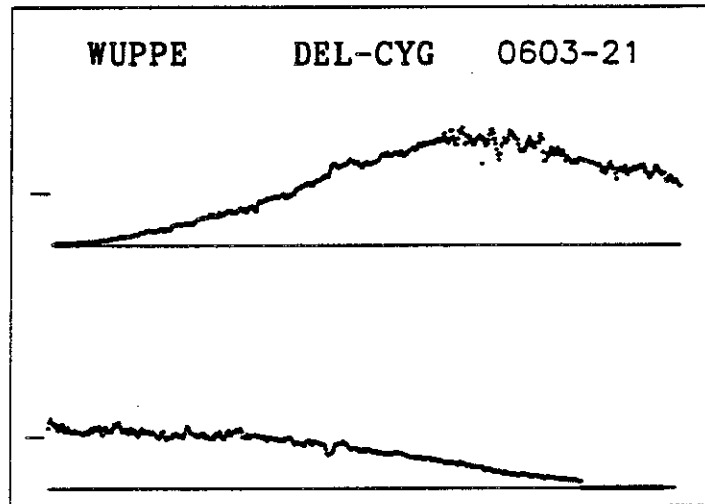
3

OBJECT: 0603 DEL-CYG
KEYWORDS: A0 III star, WUPPE cal
COMMENTS:
Too cool for short wavelength flux
in HUT. Used for pulse height
calibrations.

Uses 50 cm**2 door, careful pump,
detector ops.



ID: 0603-21
Names: DEL-CYG HD186882
Type: B9.5IV
% Pol: 0.007 +/- .01 (PBO)
Pol Var: No
Pos Ang: 17
Mechanism:
Comments: Instrumental pol
calibration.
-20 observations are rotated
90 deg in PA from -10 obs.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



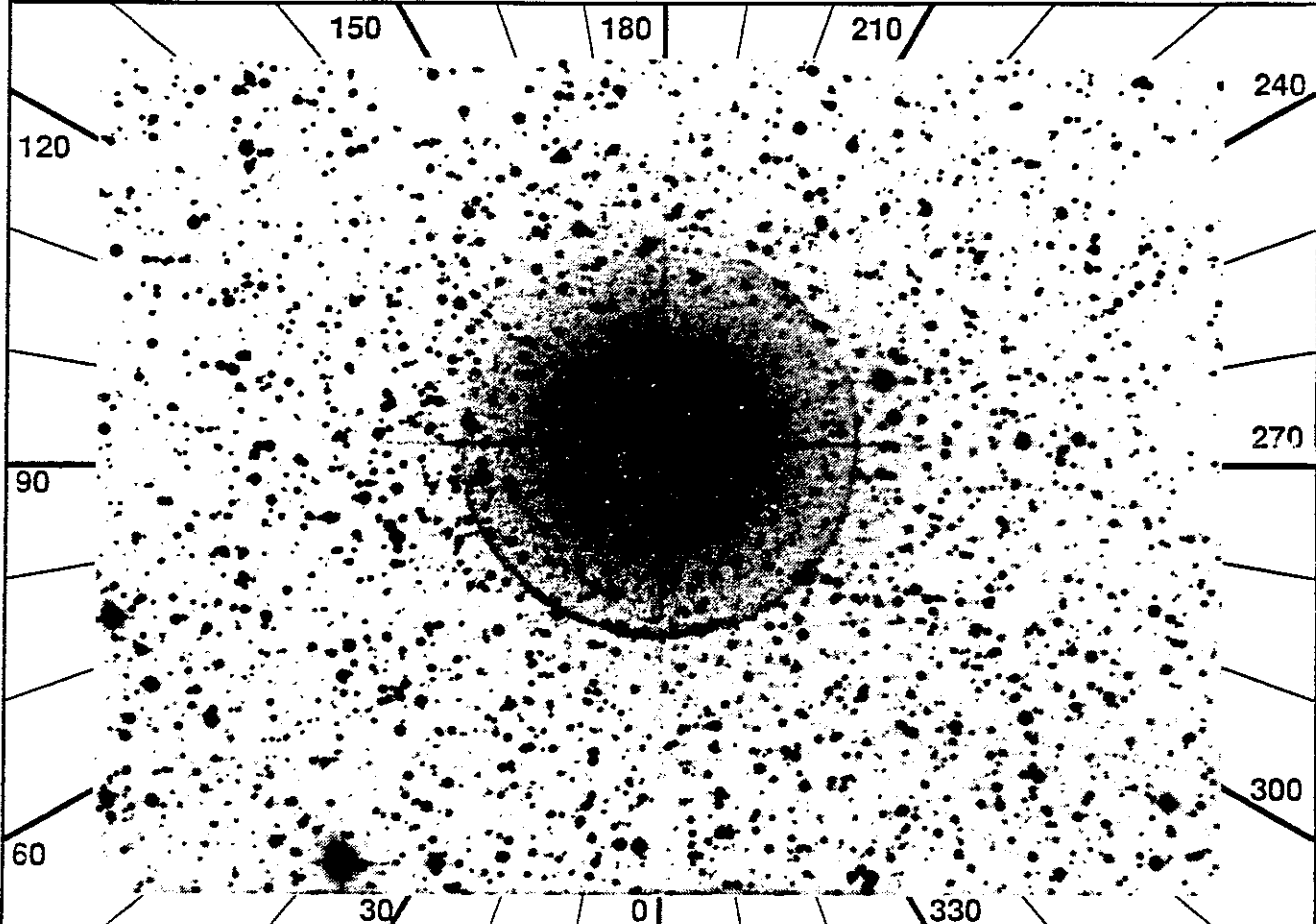
UIT
Observation Description

1 RA 295.8528 DEC 45.0078 ROLL 180.00

ID 0603-22

2 TIME 2422

NAME DEL-CYG

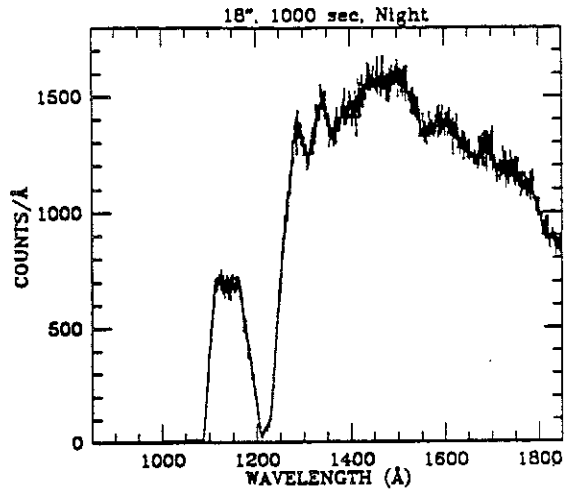


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	300	src	sim	4	4	4.5	2	7	1	---	7	2	---	SMALAP	PHDMON
4	P	W 109	aut	aut	3	2	6.4		8	6	---	8	2	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	
6	U		(At beginning of slew)						20	H	JAC	ITEM 16_0				
7	U	UAC	*IF UIT Door O*						21		JOB	Observe				
8	U		* ITEM 44, Chk Door C*						22	H		HUT will dither to ss				
9	U		Expect UIT SET,OBS err						23	H		mode for part of obs.				
10	H	JAC	VIP ON until at obs slit						24		JAC	All PREVIEW				
11			Config H W U						25	H	HDC	(just prior to QUIT)				
12			-----						26	H		ITEM 61_0 (ND6 filt)				
13		JAC	All SETUP						27	H		Check 61_0_0				
14	J		Chk Stat - -LOC STB						28	H	JAC	ITEM 16_1				
15	H	TV	Verify HUT acq on TV						29			All QUIT				
16		JAC	IMC BEGIN						30			-----				
17			HUT ITEM 5						31	U		(During slew)				
18			All BEGIN						32	U	UAC	*IF next obj not V-BRT				
19	H	HSP	When actual slit pos=7						33	U		* ITEM 43, Chk Door O*				

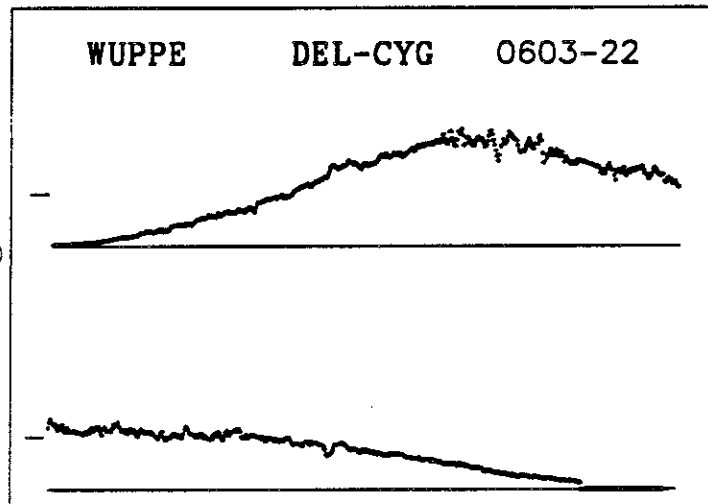
3

OBJECT: 0603 DEL-CYG
KEYWORDS: A0 III star, WUPPE cal
COMMENTS:
Too cool for short wavelength flux
in HUT. Used for pulse height
calibrations.

Uses 50 cm**2 door, careful pump,
detector ops.



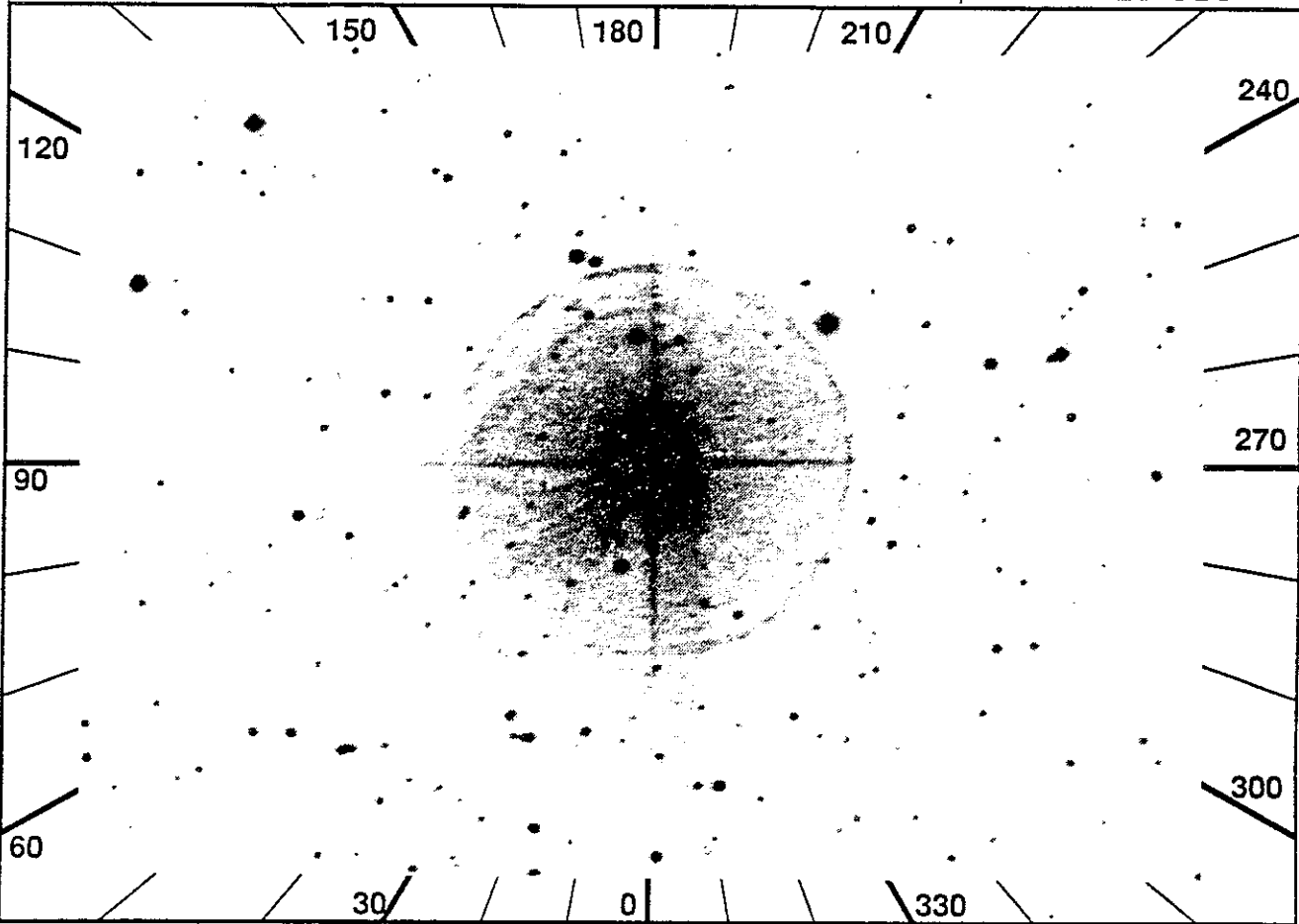
ID: 0603-22
Names: DEL-CYG HD186882
Type: B9.5IV
% Pol: 0.007 +/- .01 (PBO)
Pol Var: No
Pos Ang: 17
Mechanism:
Comments: Instrumental pol
calibration.
-20 observations are rotated 90
deg in PA from -10 observation.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



UIT
Observation Description

1 RA 339.7416 DEC 10.5698 ROLL 90.00
 2 TIME 1021

ID 0610-11
 NAME ZET-PEG



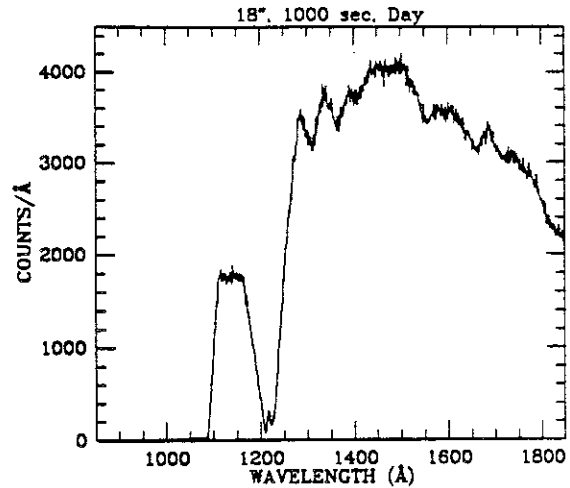
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	175	src	sim	4	4	4.3	2	7	1	---	7	2	---	SMALAP	PHDMON
4	P	W	109	aut	aut	3	2	6.4	8	6	---	8	2	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	
6	U								20	H	JAC	ITEM	16	0		
7	U	UAC							21	H	JOB	Observe				
8	U								22	H		HUT will dither to ss				
9	U								23	H		mode for part of obs.				
10	H	JAC							24	H	JAC	All PREVIEW				
11									25	H	HDC	(just prior to QUIT)				
12									26	H		ITEM 61 0 (ND6 filt)				
13	JAC								27	H		Check 61 0_0				
14	J								28	H	JAC	ITEM 16 I				
15	H	TV							29			All QUIT				
16	JAC								30							
17									31	U		(During slew)				
18									32	U	UAC	*IF next obj not V-BRT				
19	H	HSP							33	U		* ITEM 43, Chk Door O*				

3

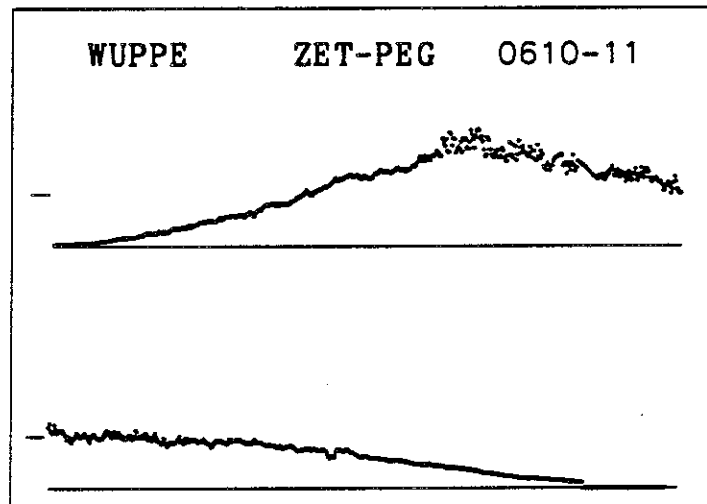
OBJECT: 0610 ZET-PEG
KEYWORDS: B8.5 V, WUPPE calibration
COMMENTS:
Mostly long wavelength counts for HUT.

50 cm**2 aperture observation; careful
with pump, detector ops.

Will take pulse height data as well.



ID: 0610-11
Names: ZET-PEG HD214923
Type: B8V
% Pol: 0.017 +/- .01 (PBO)
Pol Var:
Pos Ang: 160
Mechanism:
Comments: Instrumental pol
calibration.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



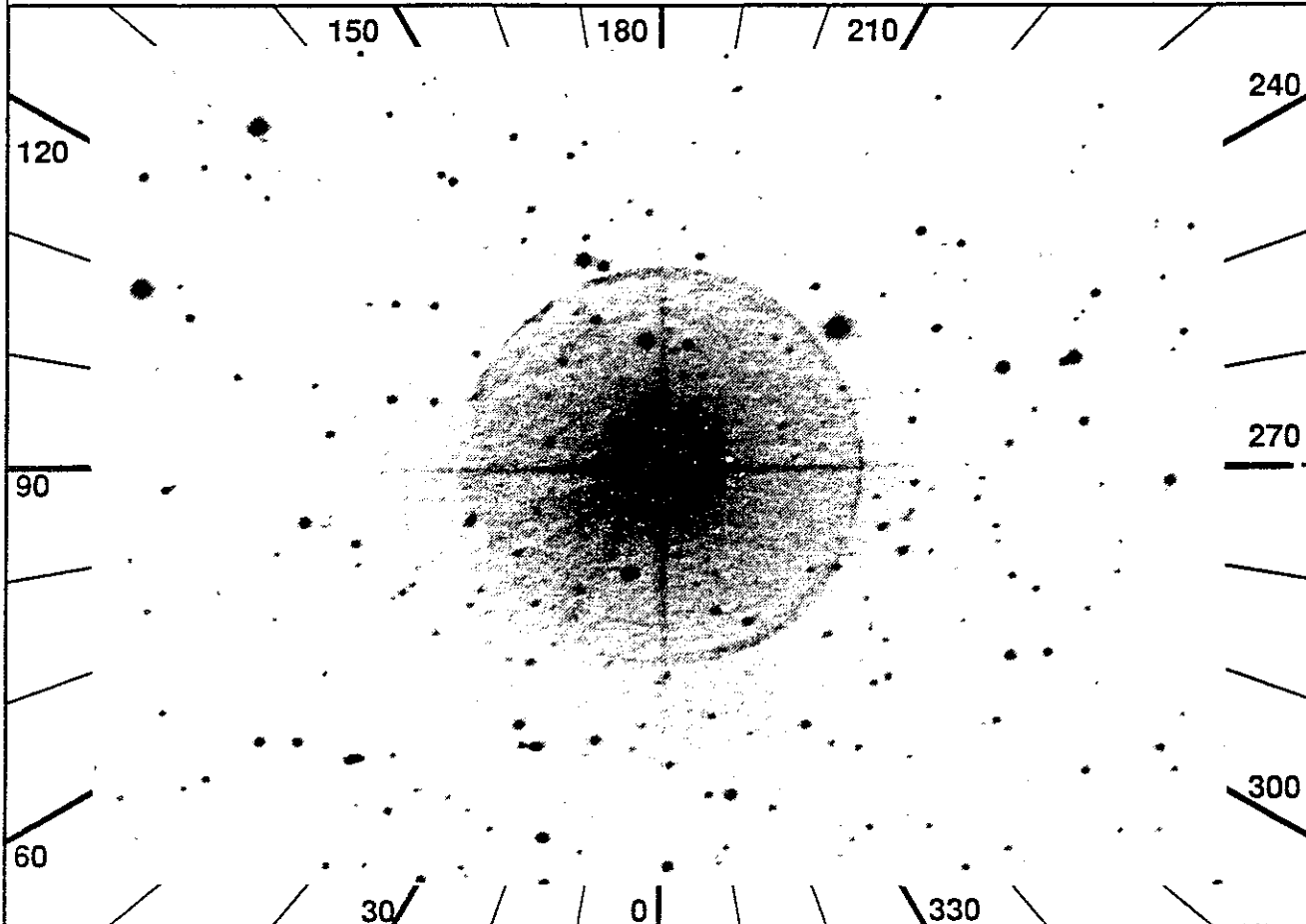
UIT
Observation Description

1 RA 339.7416 DEC 10.5698 ROLL 90.00

ID 0610-12

2 TIME 1005

NAME ZET-PEG



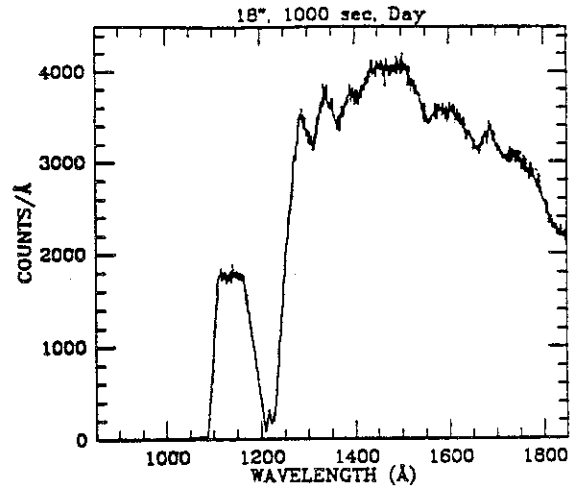
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	196	src	sim	4	4	4.3	2	7	1	---	7	2	---	---	---	SMALAP PHDMON
4	P	W	109	aut	aut	3	2	6.4	8	6	---	8	2	---	8	4	---
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	-	-	V-BRT
6	U								20	H	JAC	ITEM	16	0			
7	U	UAC							21		JOB	Observe					
8	U								22	H		HUT	will	dither	to	ss	
9	U								23	H			mode	for	part	of	obs.
10	H	JAC							24		JAC	All	PREVIEW				
11									25	H	HDC	(just	prior	to	QUIT)		
12									26	H		ITEM	61	0	(ND6	filt)	
13		JAC							27	H		Check	6I	0_0			
14	J								28	H	JAC	ITEM	16	I			
15	H	TV							29			All	QUIT				
16		JAC							30								
17									31	U		(During	slew)				
18									32	U	UAC	*IF	next	obj	not	V-BRT	
19	H	HSP							33	U		* ITEM	43,	Chk	Door	O*	

3

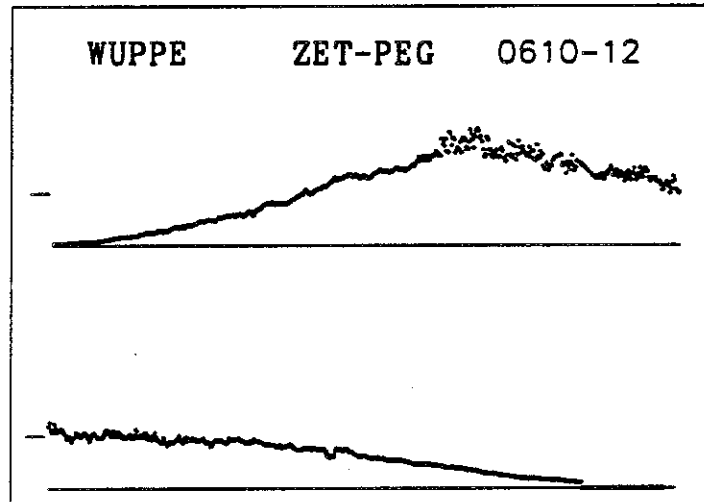
OBJECT: 0610 ZET-PEG
KEYWORDS: B8.6 V, WUPPE calibration
COMMENTS:
Mostly long wavelength counts for HUT.

50 cm**2 aperture observation: careful
with pump, detector ops.

Will take pulse height data as well.



ID: 0610-12
Names: ZET-PEG HD214923
Type: B8V
% Pol: 0.017 +/- .01 (PBO)
Pol Var:
Pos Ang: 160
Mechanism:
Comments: Instrumental pol
calibration.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



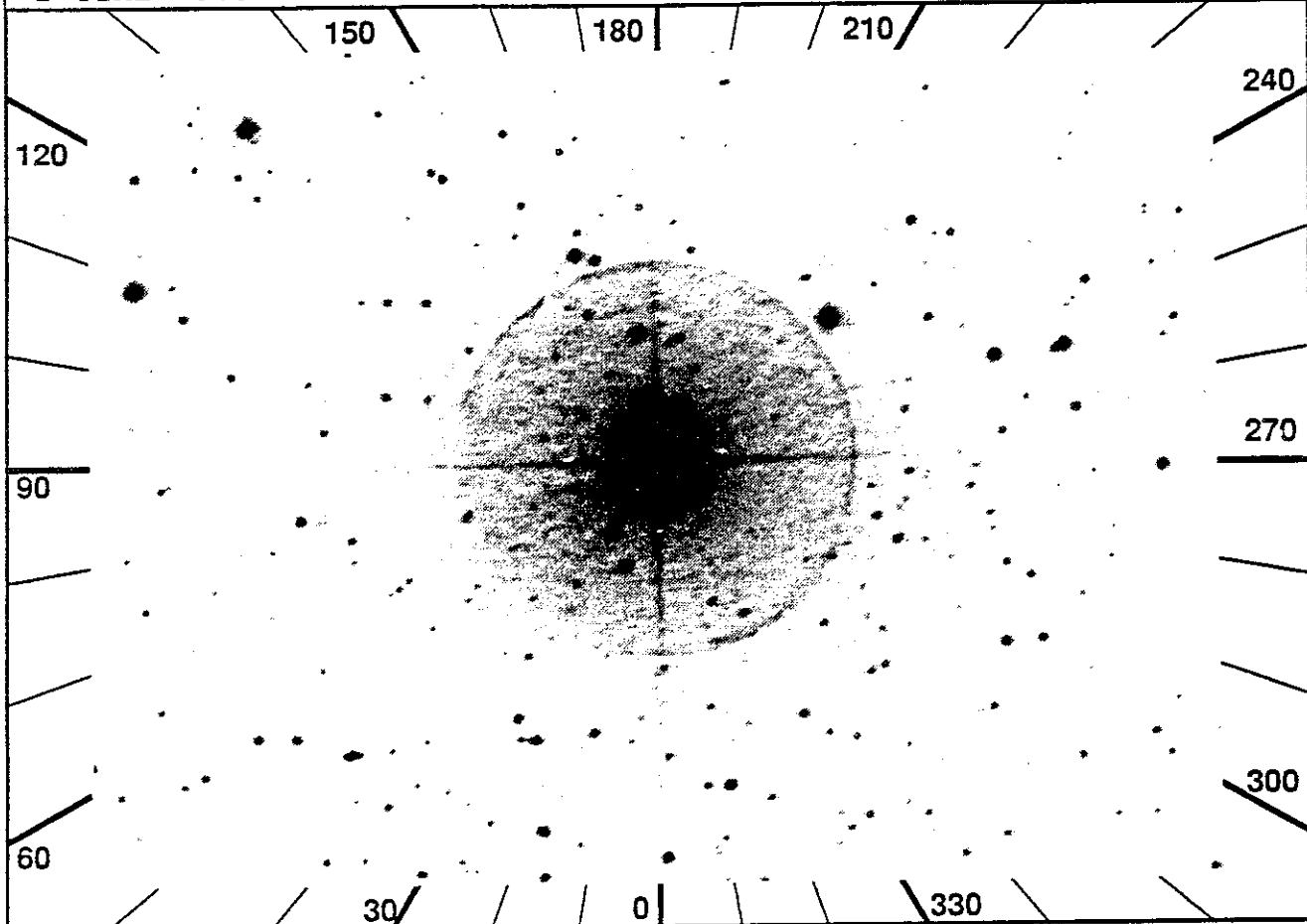
UIT
Observation Description

1 RA 339.7416 DEC 10.5698 ROLL 90.00

ID 0610-21

2 TIME 646

NAME ZET-PEG



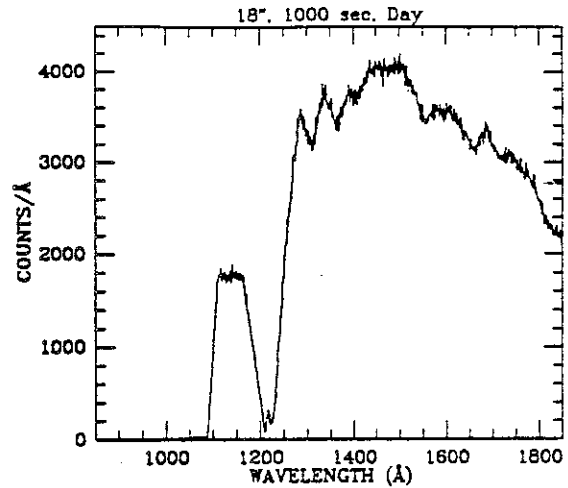
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	309	src	sim	4	4	4.3	2	7	1	---	7	2	---	SMALAP	PHDMON
4	P	W 109	aut	aut	3	2	6.4		8	6	---	8	2	---		
5	U	99	DT	-		T	F	-	-	-	-	-	-	-	V-BRT	
6	U		(At beginning of slew)						20	H	JAC	ITEM 16_0				
7	U	UAC	*IF UIT Door O*						21	H	JOB	Observe				
8	U		* ITEM 44, Chk Door C*						22	H		HUT will dither to ss				
9	U		Expect UIT SET,OBS err						23	H		mode for part of obs.				
10	H	JAC	VIP ON until at obs slit						24	H	JAC	All PREVIEW				
11			Config H W U						25	H	HDC	(just prior to QUIT)				
12			-----						26	H		ITEM 61_0 (ND6 filt)				
13	J	JAC	All SETUP						27	H		Check 61_0_0				
14	J		Chk	Stat	-	-	LOC	STB	28	H	JAC	ITEM 16_I				
15	H	TV	Verify HUT acq on TV						29	H		All QUIT				
16	J	JAC	IMC BEGIN						30			-----				
17			HUT ITEM 5						31	U		(During slew)				
18			All BEGIN						32	U	UAC	*IF next obj not V-BRT				
19	H	HSP	When actual slit pos=7						33	U		* ITEM 43, Chk Door O*				

3

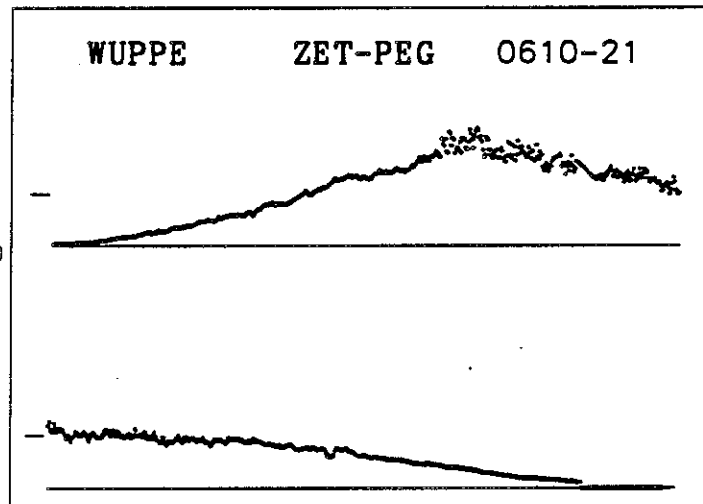
OBJECT: 0610 ZET-PEG
KEYWORDS: B8.5 V, WUPPE calibration
COMMENTS:
Mostly long wavelength counts for HUT.

50 cm**2 aperture observation; careful
with pump, detector ops.

Will take pulse height data as well.



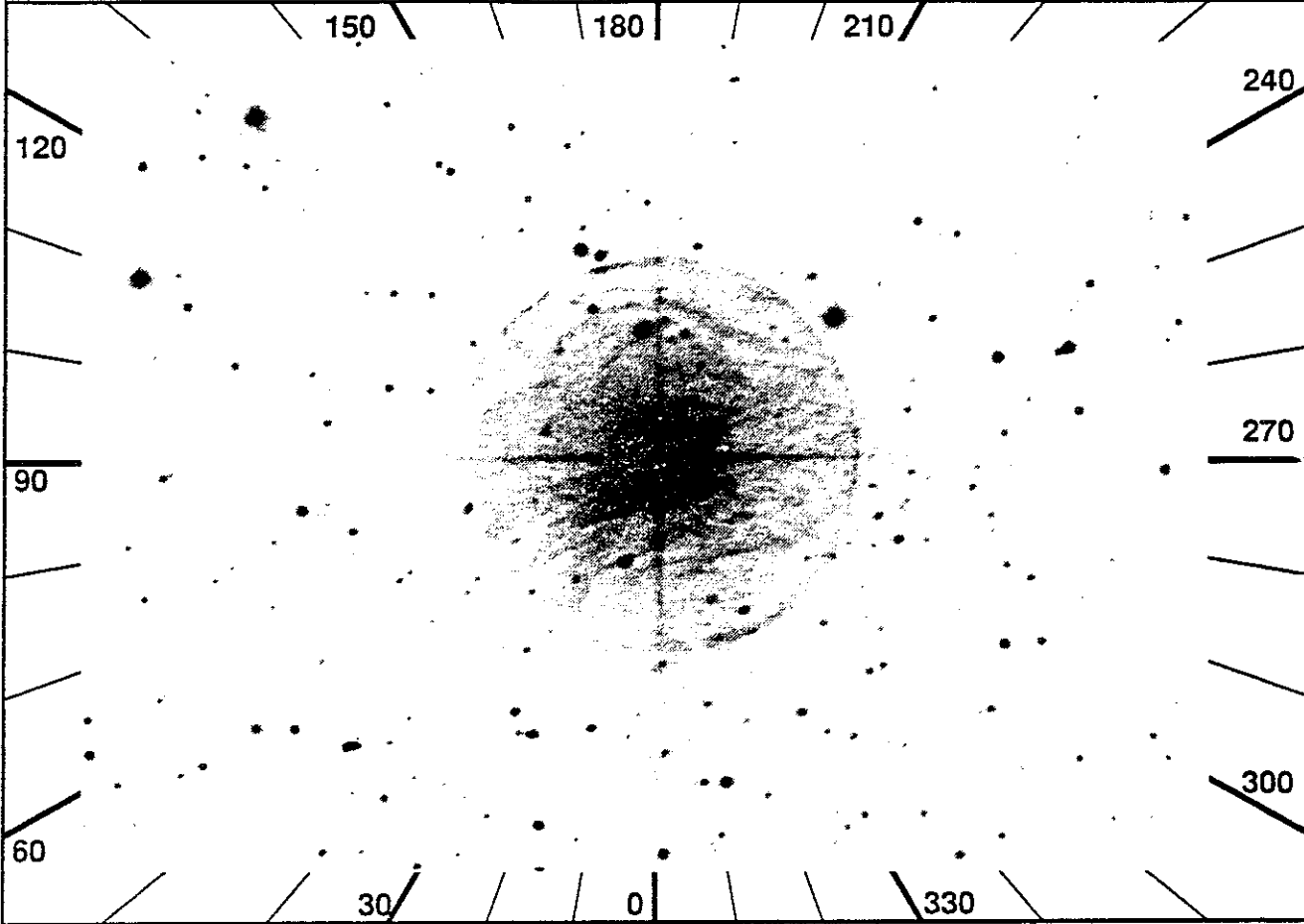
ID: 0610-21
Names: ZET-PEG HD214923
Type: B8V
% Pol: 0.017 +/- .01 (PBO)
Pol Var:
Pos Ang: 160
Mechanism:
Comments: Instrumental pol
calibration.
-20 observations are rotated 90
deg in PA from -10 observation.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



UIT
Observation Description

1 RA 339.7416 DEC 10.5698 ROLL 90.00
 2 TIME 1550

ID 0610-22
 NAME ZET-PEG



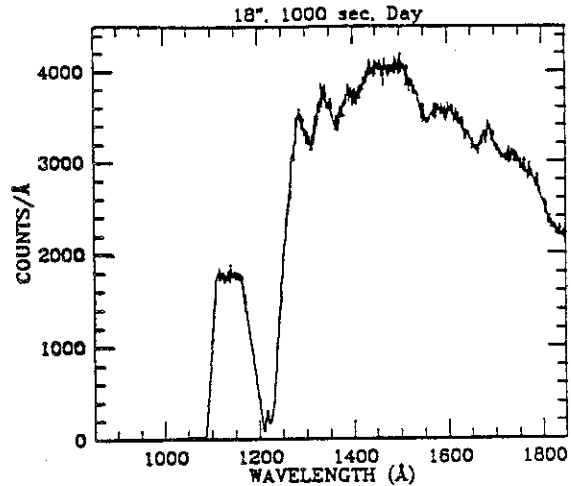
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	319	src	sim	4	4	4.3	2	7	1	---	7	2	---	SM	SAA PHDMON
4	P	W 109	aut	aut	3	2	6.4		8	6	---	8	2	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	-	V-BRT
6	U								22							All BEGIN
7	U	UAC							23	H	HSP					When actual slit pos=7
8	U								24	H	JAC					ITEM 16_0
9	U								25		JOB					Observe
10	H	JAC							26	H						HUT will dither to ss
11									27	H						mode for part of obs.
12									28		JAC					All PREVIEW
13	H	-							29	H	HDC					(just prior to QUIT)
14	JAC								30	H						ITEM 61_0 (ND6 filt)
15	J								31	H						Check 61_0_0
16	H	TV							32	H	JAC					ITEM 16_I
17	JAC								33							All QUIT
18									34							-----
19	H	-							35	U						(During slew)
20	H	JAC							36	U	UAC					*IF next obj not V-BRT
21	H								37	U						* ITEM 43, Chk Door O*

3

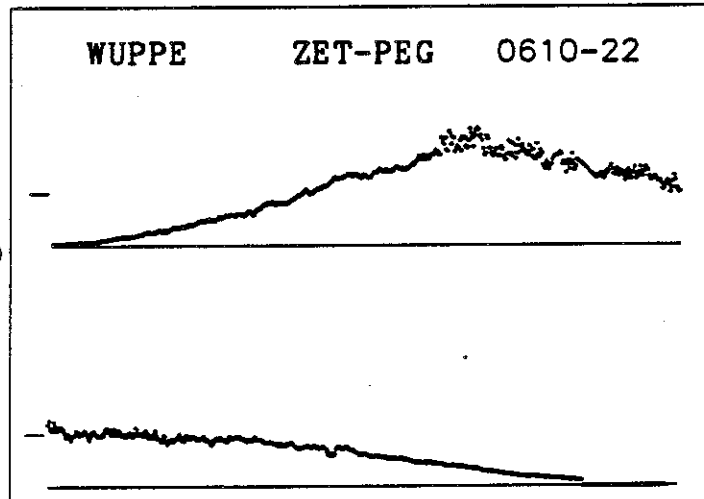
OBJECT: 0610 ZET-PEG
KEYWORDS: B8.5 V, WUPPE calibration
COMMENTS:
Mostly long wavelength counts for HUT.

50 cm**2 aperture observation: careful
with pump, detector ops.

Will take pulse height data as well.

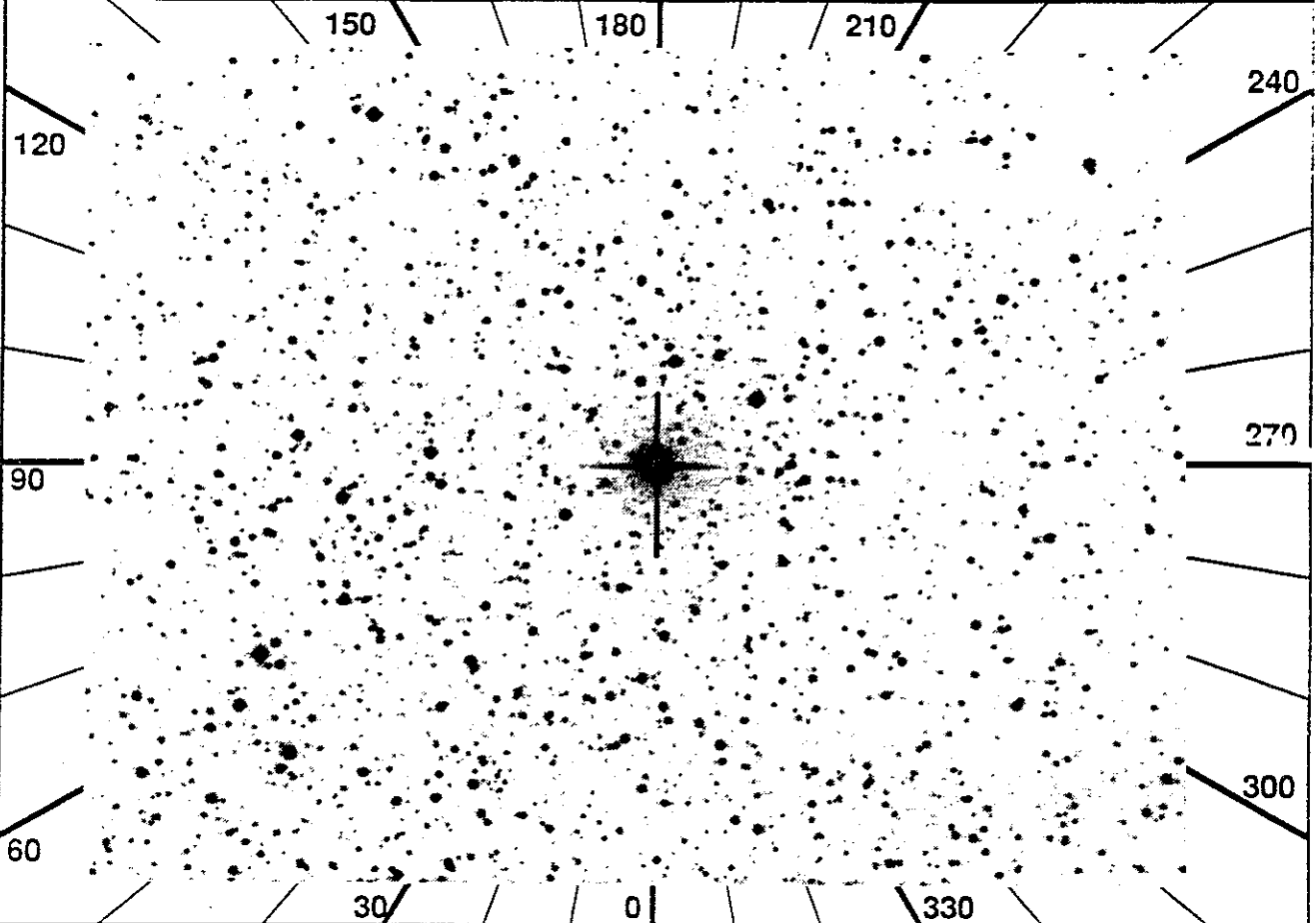


ID: 0610-22
Names: ZET-PEG HD214923
Type: B8V
Pol: 0.017 +/- .01 (PBO)
Pol Var:
Pos Ang: 160
Mechanism:
Comments: Instrumental pol
calibration.
-20 observations are rotated 90
deg in PA from -10 observation.
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



UIT
Observation Description

1 RA 265.2708 DEC -7.0581 ROLL 25.00 ID 0656-10
 2 TIME 2034 NAME HD161056

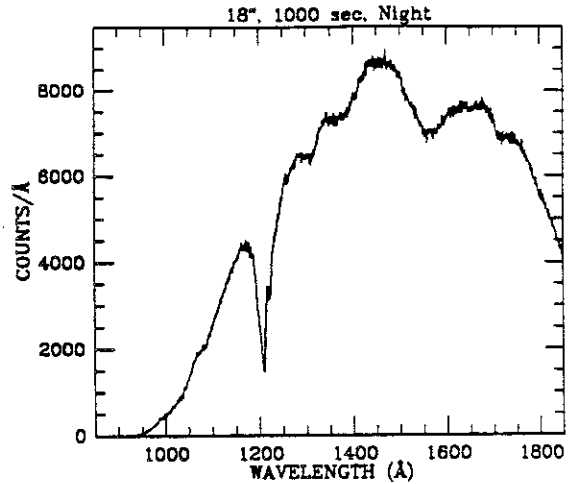


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	49	src	sim	7	7	4.7	3	7	1	---	-	-	---	DOOR4		
4	P	W	111	aut	aut	6	6	4.9	8	6	---	8	2	---	8	4	---
5	U	235	DT	-	T	F	31	a1	31	b5	-	-	-	-	-	-	
6	JAC	ITEM 16 0										15	H	HOP	400 sec after BEGIN,		
7		Config H W U										16	H		ITEM 42 2 (50 cm2 door)		
8		-----										17	JAC	All PREVIEW			
9	JAC	All SETUP										18	H	HDC	(just prior to QUIT)		
10		Chk Stat -LCC -LOC RDY										19	H		ITEM 61 0 (ND6 filt)		
11		IMC BEGIN										20	H		Check 61 0 0		
12		HUT ITEM 5										21	H	JAC	ITEM 16 I -		
13		All BEGIN										22		All QUIT			
14	JOB	Observe										23		-----			

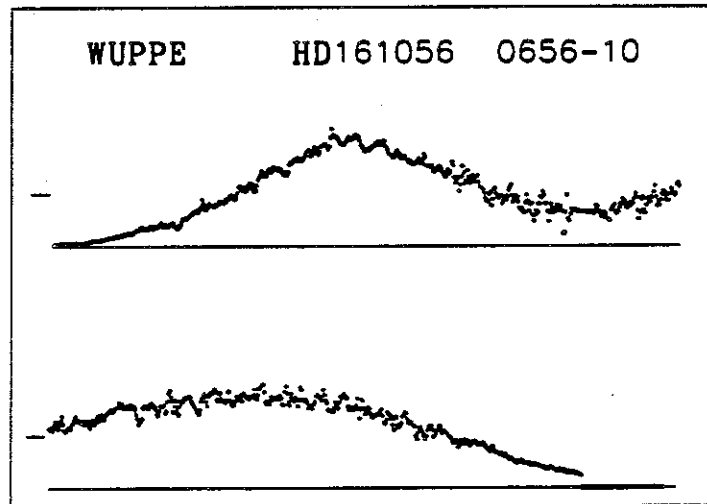
door cal + extinction
 2

OBJECT: 0656 HD161056
KEYWORDS: B3 V, WUPPE calibration
COMMENTS:
Will be used for HUT relative door
state calibration--half aperture vs.
50 cm**2.

May also be useful for HUT
extinction program.



ID: 0656-10
Names: HD161056
Type: B1.5V
% Pol: 4.05
Pol Var: No
Pos Ang: 65.0
Mechanism: Interstellar
Comments: Polarized standard
Pmax: 4.05 Lmax 5800
Use for cross-calib of Half-
wave and Lyot filters.
IUE data used for simulated
spectrum is that of HD217979.



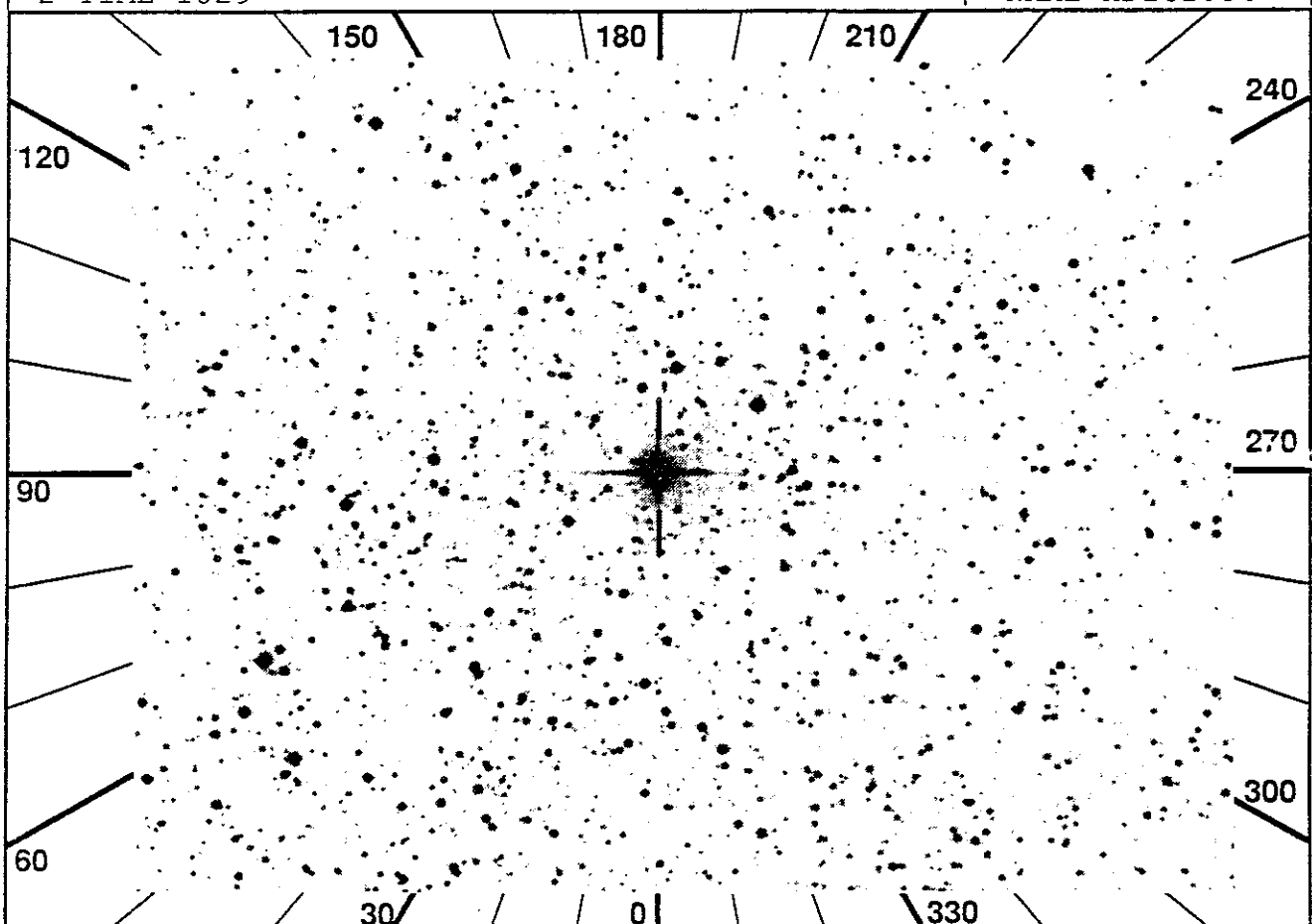
UIT
Observation Description

1 RA 265.2708 DEC -7.0581 ROLL 115.00

ID 0656-20

2 TIME 1829

NAME HD161056

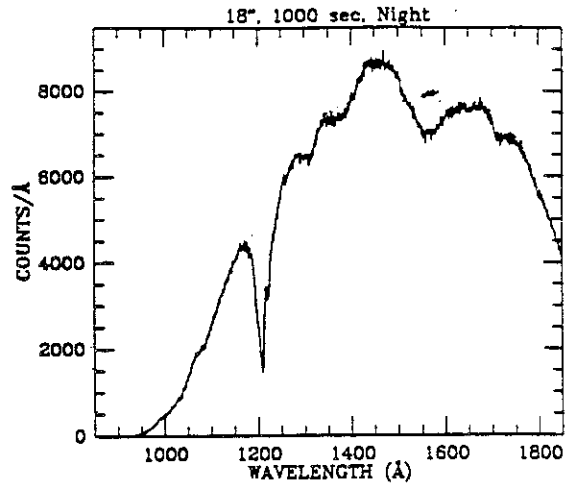


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	262	src	sim	7	7	4.7	3	7	1	---	---	---	---	DOOR4		
4	P	W 111	aut	aut	6	6	4.9		8	6	---	8	2	---	8	4	---
5	U	236	DT	-	T	F	31	b1	31	b5	-	-	-	-	-	-	
6	JAC	ITEM 16 0							15	H	HOP	400	sec	after	BEGIN,		
7		Config H W U							16	H	ITEM 42 2	(50	cm2	door)			
8		-----							17	JAC	All	PREVIEW					
9	JAC	All	SETUP						18	H	HDC	(just	prior	to	QUIT)		
10		Chk	Stat	-LOC	-LOC	RDY			19	H	ITEM 61 0	(ND6	filt)				
11		IMC	BEGIN						20	H	Check 61 0 0						
12		HUT	ITEM 5						21	H	JAC	ITEM 16 I					
13		All	BEGIN						22		All	QUIT					
14	JOB	Observe							23		-----						

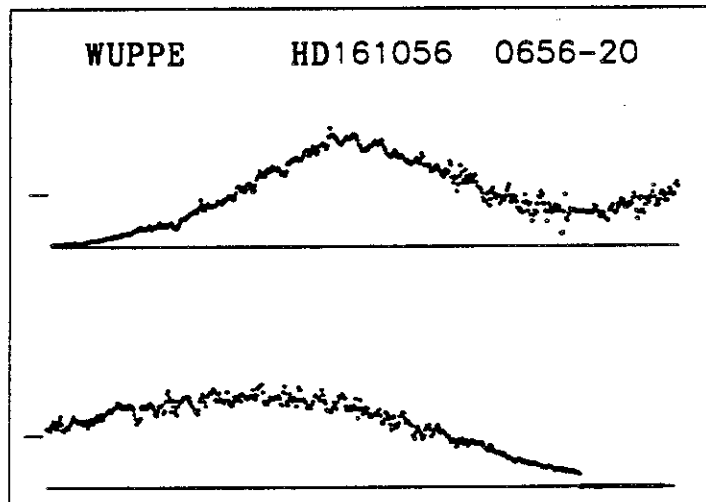
don cal + eplinet
 2

OBJECT: 0656 HD161056
KEYWORDS: B3 V, WUPPE calibration
COMMENTS:
Will be used for HUT relative door
state calibration--half aperture vs.
50 cm**2.

May also be useful for HUT
extinction program.



ID: 0656-20
Names: HD161056
Type: B1.5V
% Pol: 4.05
Pol Var: No
Pos Ang: 65.0
Mechanism: Interstellar
Comments: Polarized standard
Pmax: 4.05 Lmax 5800
Use for cross-calib of Half-
wave and Lyot filters.
-20 observations are rotated
90 deg in PA from -10 ob-
servation.
IUE data used for simulated
spectrum is that of HD217979.



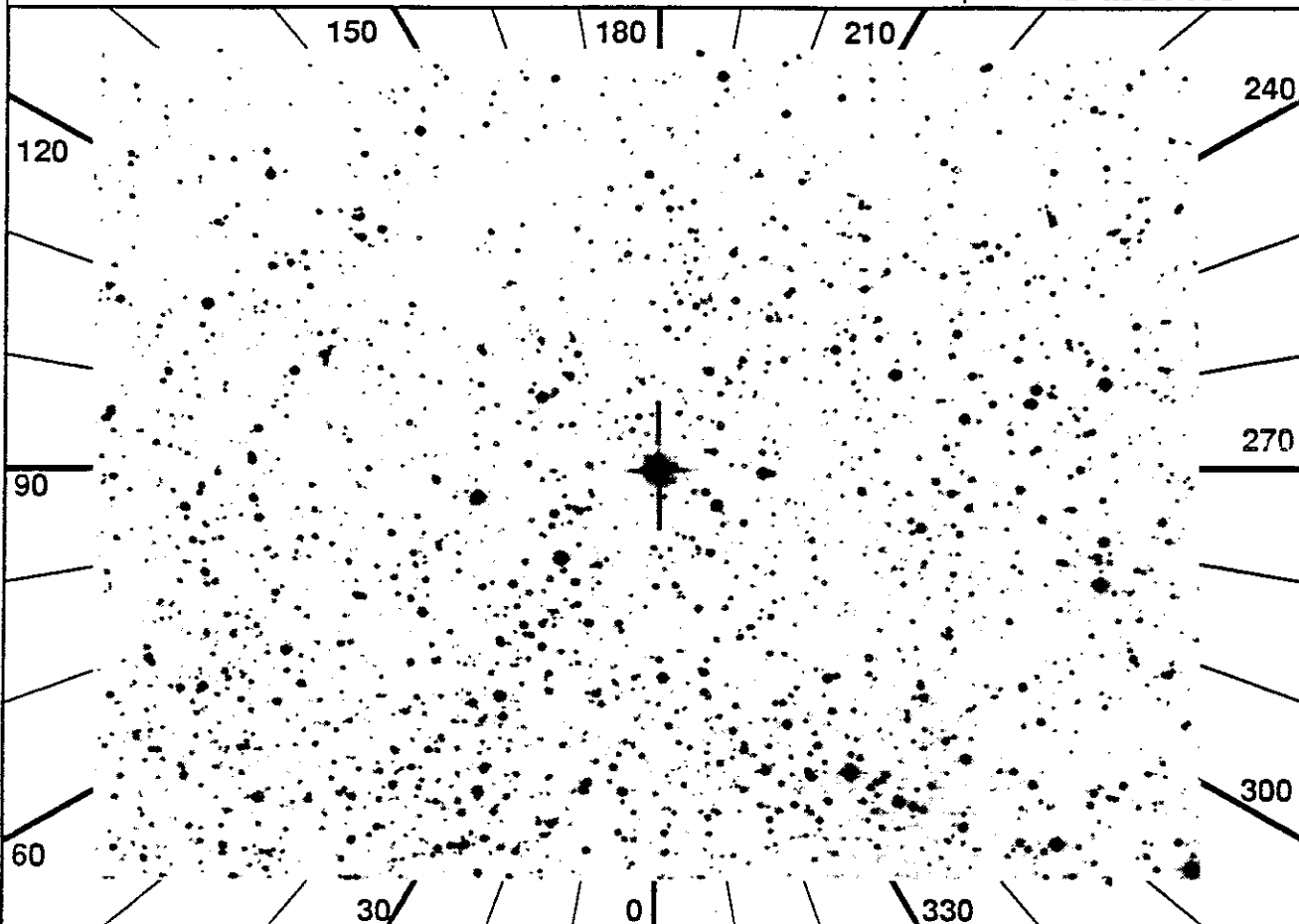
UIT
Observation Description

1 RA 321.8806 DEC 58.5203 ROLL 31.00

ID 0657-10

2 TIME 1967

NAME HD204827

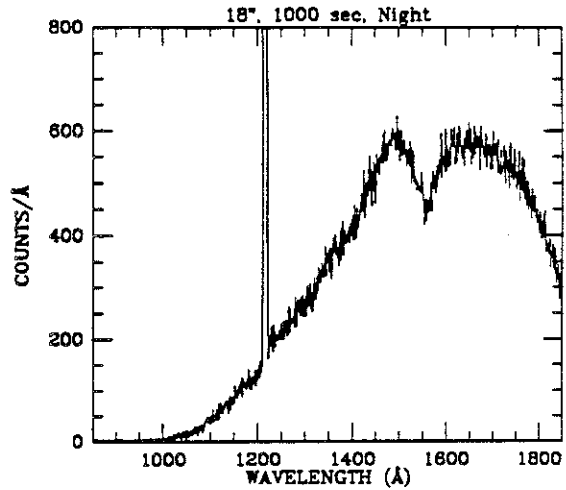


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	120	src	sim	8	8	3.5	5	7	4	---	7	2	---	---	PHDMON	
4	P	W	112	aut	aut	8	9	3.4	8	6	---	8	2	---	8	4	---
5	U	222	DT	-	T	F	88	a6	31	a2	31	a5	31	b5	-	-	-
6	JAC	ITEM 16_0					14	JOB	Observe								
7		Config H W U					15	H	HUT will dither to ss								
9		-----					16	H	mode for part of obs.								
9	JAC	All SETUP					17	JAC	All PREVIEW								
10		Chk Stat -LOC -LOC RDY					18		All QUIT								
11		IMC BEGIN					19		-----								
12		HUT ITEM 5					20	JAC	ITEM 16_1								
13		All BEGIN															

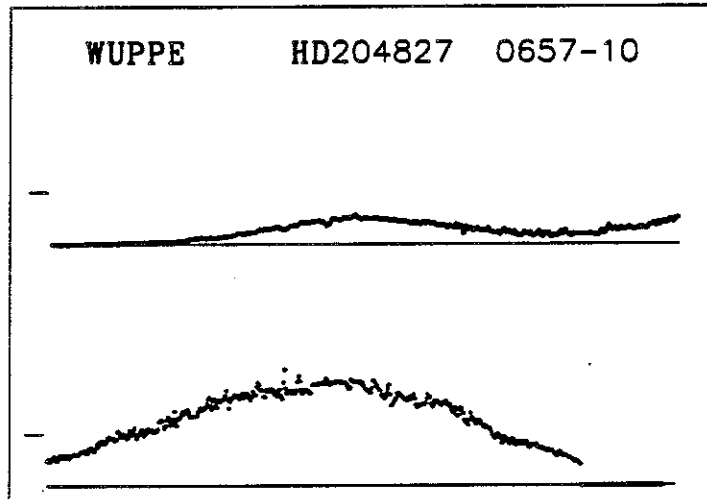
3

OBJECT: 0657 HD204827
KEYWORDS: B0 V, WUPPE calibration
COMMENTS:
Highly reddened ($E(B-V) = 1.10$),
but may still be useful for HUT
extinction program.

0657-10 will be also be used for
taking pulse height data.



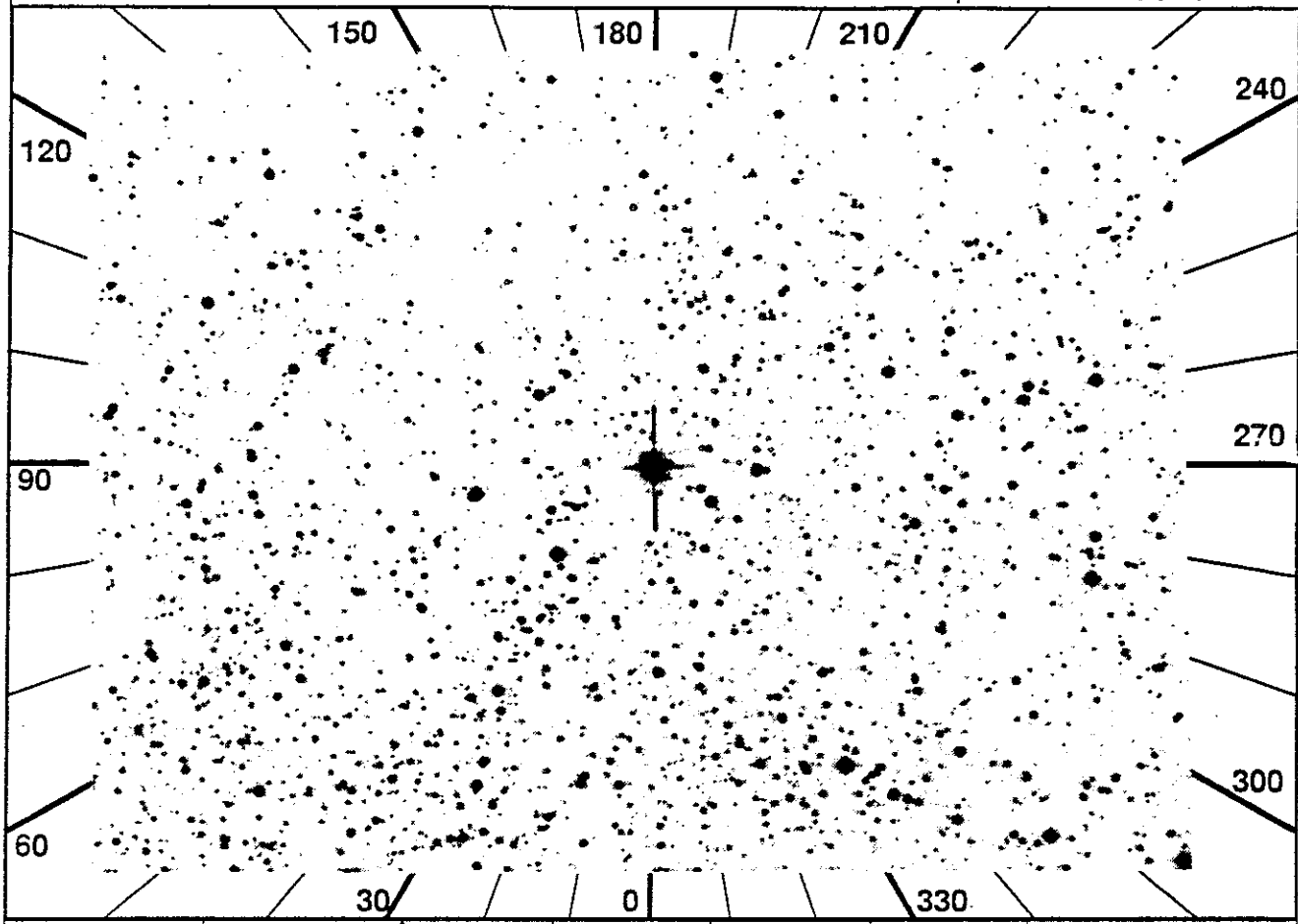
ID: 0657-10
Names: HD204827
Type: B0V
% Pol: 5.65
Pol Var: No
Pos Ang: 59.0
Mechanism: Interstellar
Comments: Polarized standard
Pmax: 5.65 Lmax 4700
Use for cross-calib of Half-
wave and Lyot filters.
Prime cross-calibration
target for WUPPE and HST
FOS spectropolarimeter.



UIT
Observation Description

1 RA 321.8806 DEC 58.5203 ROLL 31.00
 2 TIME 2201

ID 0657-20
 NAME HD204827

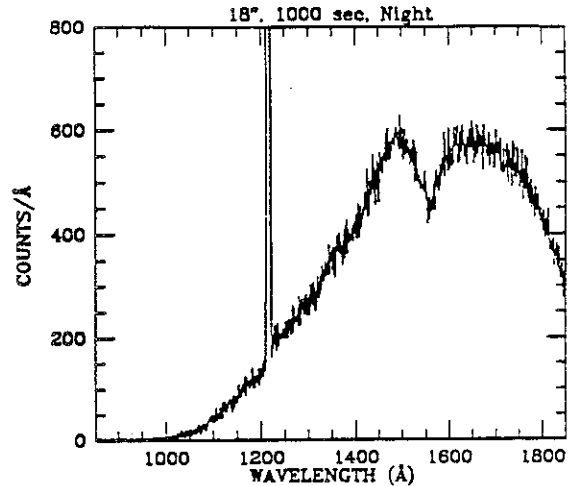


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	160	src	sim	8	8	3.5	5	7	4	---	-	-	---			
4	P	W	112	aut	aut	8	9	3.4	8	6	---	8	2	---	8	4	---
5	U	180	DT	56	T	F	62	a1	62	b1	31	b5	-	-	-	-	
6	JAC	ITEM 16 0					13	All BEGIN									
7		Config H W U					14	JOB Observe									
8		-----					15	JAC All PREVIEW									
9	JAC	All SETUP					16	All QUIT									
10		Chk Stat -LOC -LOC RDY					17	-----									
11		IMC BEGIN					18	JAC ITEM 16_1									
12		HUT ITEM 5															

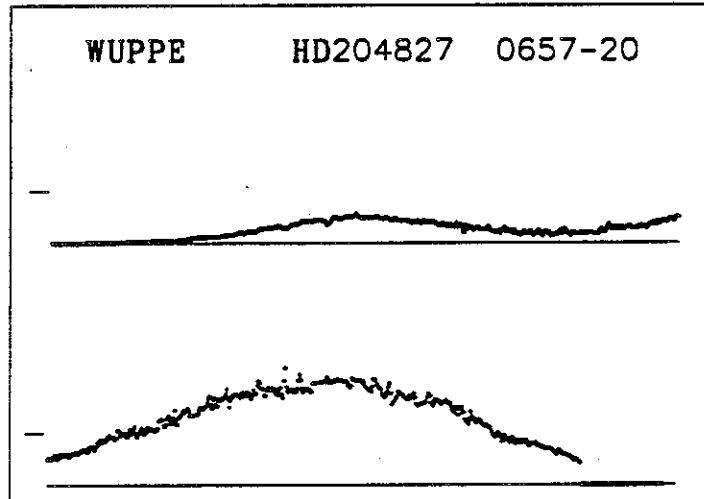
3

OBJECT: 0657 HD204827
KEYWORDS: B0 V, WUPPE calibration
COMMENTS:
Highly reddened ($E(B-V) = 1.10$),
but may still be useful for HUT
extinction program.

0657-10 will be also be used for
taking pulse height data.



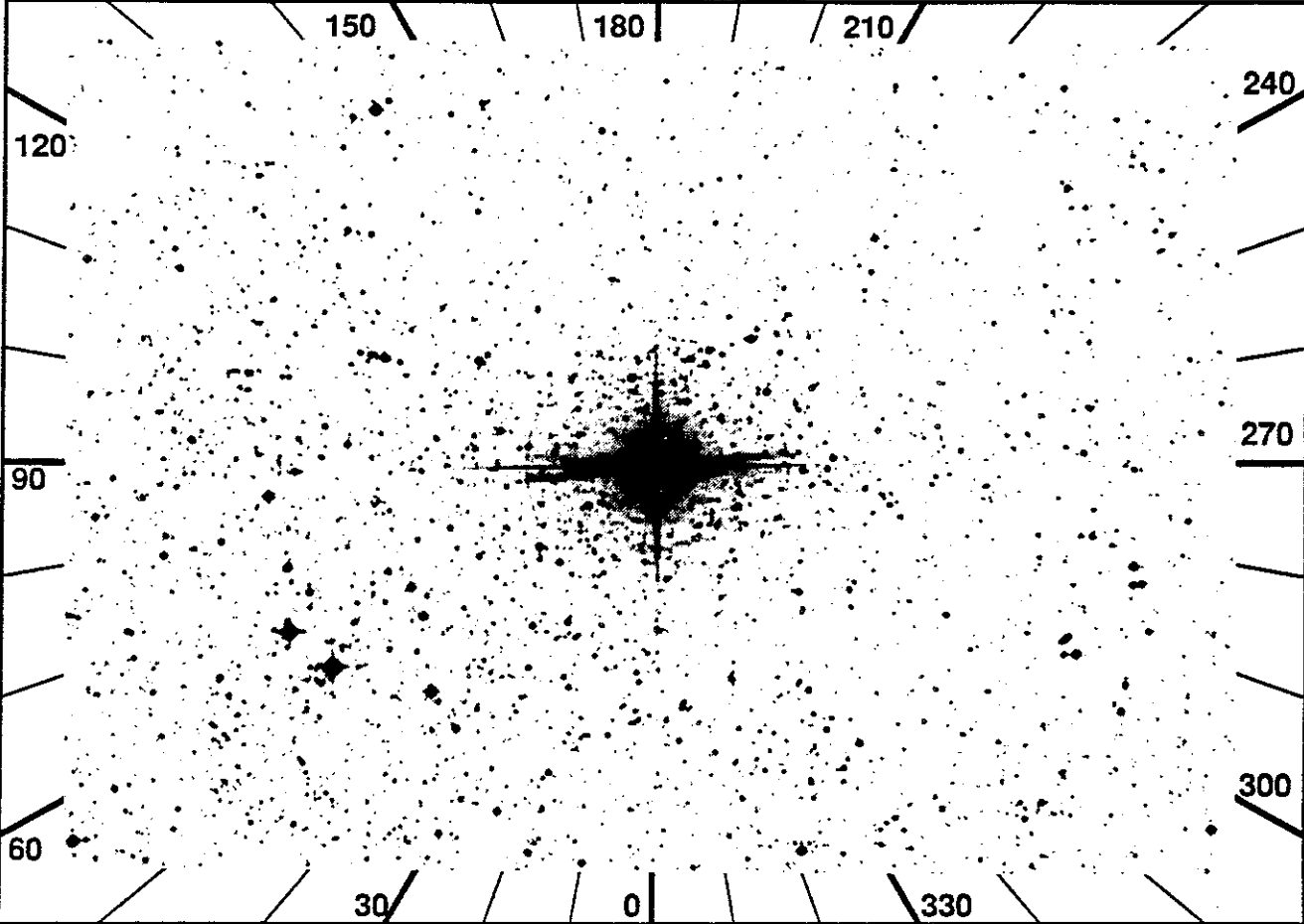
ID: 0657-20
Names: HD204827
Type: B0V
% Pol: 5.65
Pol Var: No
Pos Ang: 59.0
Mechanism: Interstellar
Comments: Polarized standard
Pmax: 5.65 Lmax 4700
Use for cross-calib of Half-
wave and Lyot filters.
-20 observations are rotated
90 deg in PA from -10 ob-
servation.
Prime cross-calibration
target for WUPPE and HST
FOS spectropolarimeter.



UIT
Observation Description

1 RA 219.6099 DEC -64.7590 ROLL 125.00
 2 TIME 7540 MANOPS

ID 0972-10
 NAME ALF-CIR



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	352	man sim	4	4	1.0	5	0	4	---	---	---	---	---	HUTMAN	
4	P	W 65	fld aut	3	4	5.8		8	6	---	---	8	2	---	JFA	
5	U	99	DT -	T	F	-	-	-	-	-	-	-	-	-		
6	W		(At beginning of slew)					11	W	JAC	Perform	JOP	FO-J3	1-15		
7	W	UAC	*IF UIT Door O*					12	W		(During slew)					
8	W		* ITEM 44 (Cls dr)					13	W	UAC	*IF next obj not V-BRT					
9	W		* Wait for Door C*					14	W		* ITEM 43 (Opn dr)					
10	W		Expect UIT SET,OBS err					15	W		* Wait for Door O*					

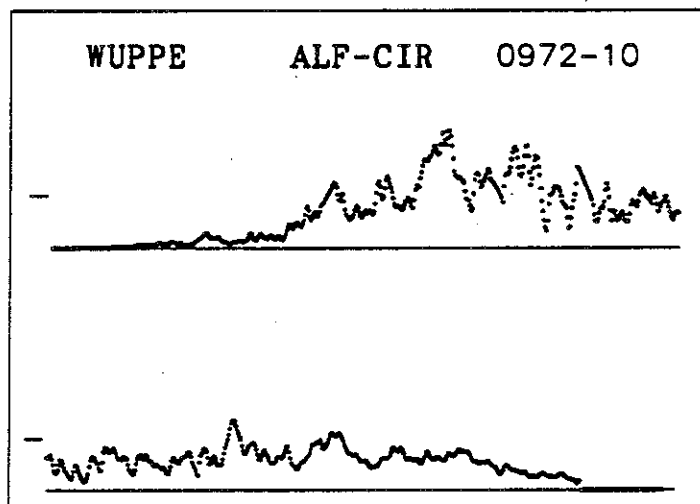
NEED NEW TARGET PAGE WITH
 HUT ALT HUTMAN

Spectrum Not Available

HUT

Spectrum and Observation Description

ID: 0972-10
Names: ALF-CIR HD128898
Type: F0
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: JFA star. Observation is for spectrometer sensitivity estimation. IUE data used for simulated spectrum is that of 17 Lep.



UIT

Observation Description