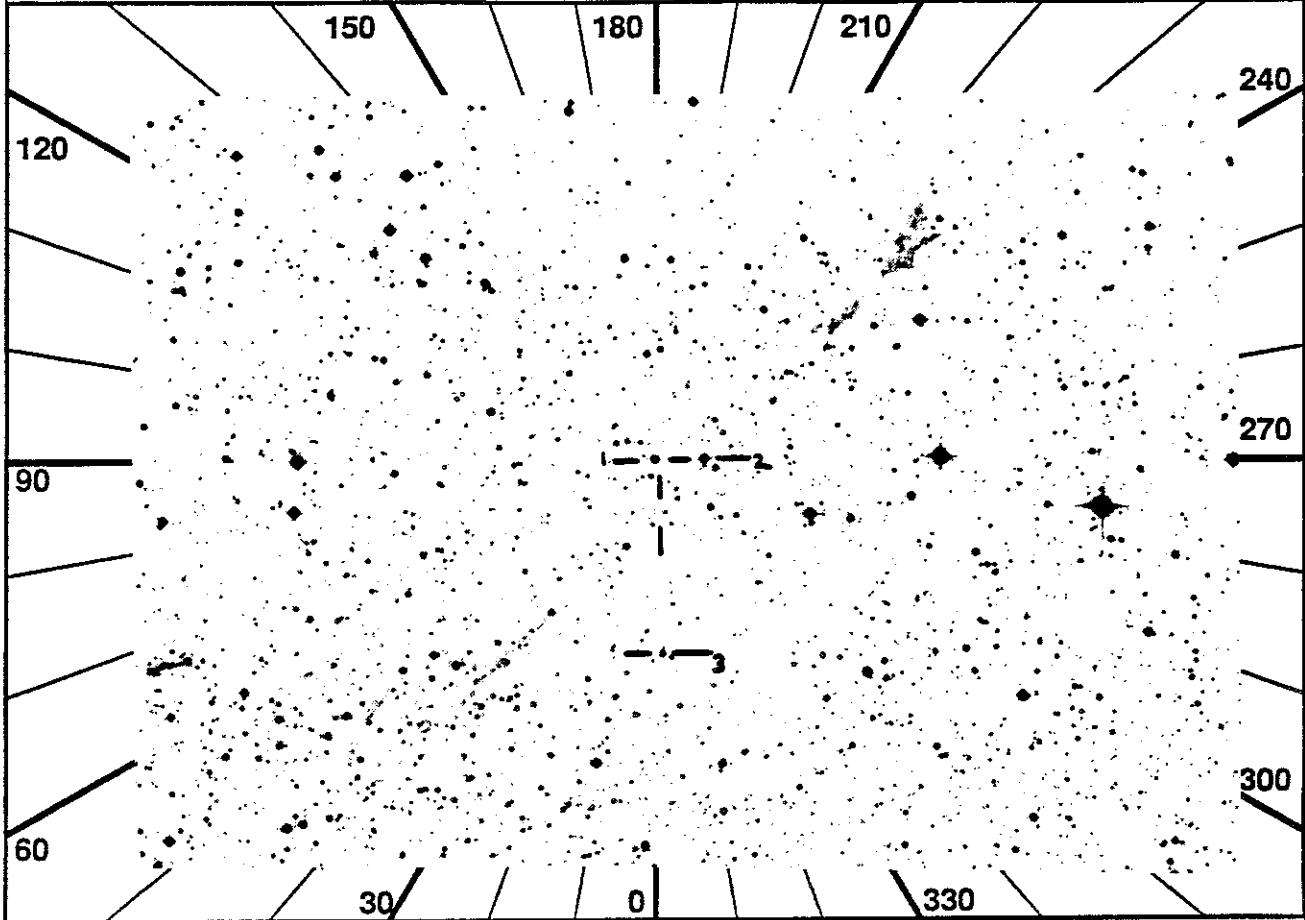


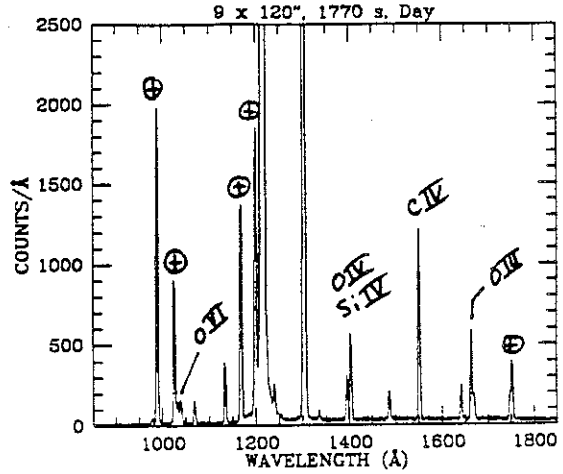
1 RA 128.2121 DEC -46.0760 ROLL 315.00 ID 4448-11
 2 TIME 1189 NAME VELASNRE



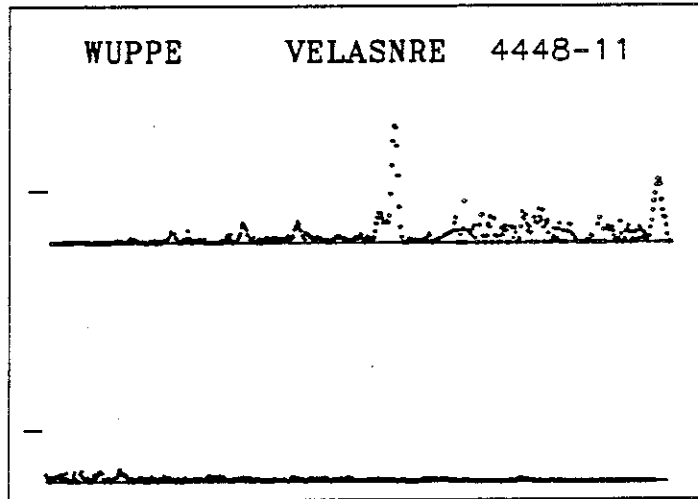
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H 185	gde sim	15 14	3.7	5	2	1	---	-	-	---	-	-	---	SAA AC	LCDATA	
4	W 185	nlc ngd	15 15	1.0		7	4	60	7	4	---	-	-	---	BKG1	NOLOC	
5	S U 212	DT -	T F	31 a2		31 a4		31 a5	31 b5		-	-					
6	H HOP	ITEM 90_5_1	(loc=obs ap)			17	H	JAC	ITEM 16_0								
7	H -	VIP ON	until SAA exit			18	H		HUT SETUP								
8	JAC	Config	H W U			19	H		Chk HUT Stat -LOC								
9		-----					20		All BEGIN								
10	H -	Note: Acquisition in SAA					21	W	NOTE: WUP 1st seq = BKG								
11	JAC	All SETUP					22		JOB Observe								
12	J	Chk Stat	- -PAU RDY			23	JAC	All PREVIEW									
13	H TV	Verify HUT acq on TV					24		All QUIT								
14	JAC	IMC BEGIN					25		-----								
15		HUT ITEM 5					26	JAC	ITEM 16_1								
16	H -	After SAA exit					27	H HOP	ITEM 90_5_0 (restore)								

*UIT did you get roll you want?
 we want along filament, thought we didn't get it*

OBJECT: 4448 VELASNRE
 KEYWORDS: Radiative SNR Shock
 COMMENTS:
 Emission line object. Locate with
 observing aperture; position chosen
 by UIT, so HUT aperture crosses
 filament. Expect strong O VI 1035
 and C III 977, as well as many other
 low ionization emission lines.



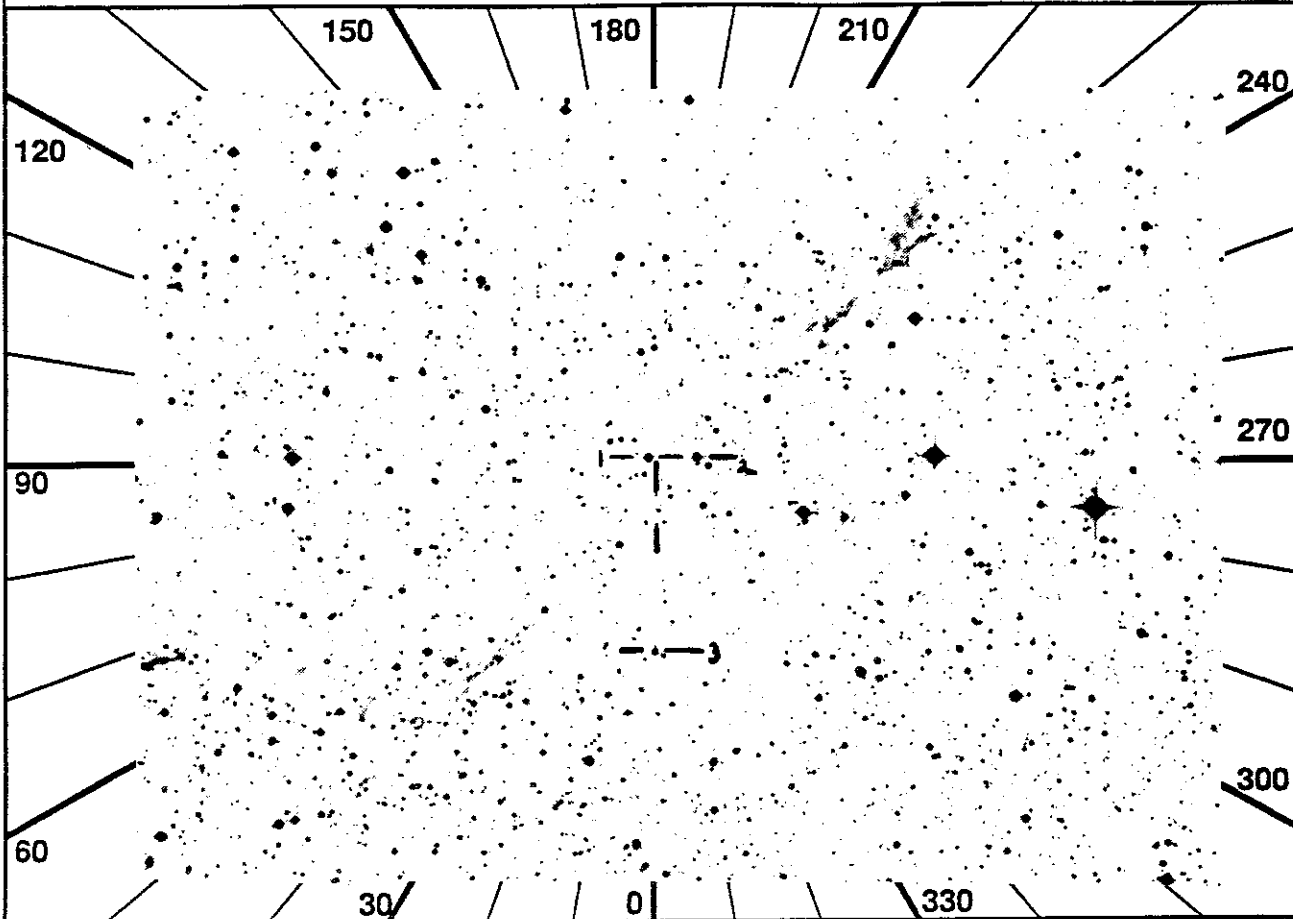
ID: 4448-11
 Names: VELASNRE
 Type: SNR
 Pol: ?
 Pos Ang: ?
 Comments: HUT prime -
 may be too faint; search
 for pol cont in nebula;
 first seq is a 2 arcmin
 offset for bkgd; this is
 the first pointing, slit
 pos E.



UIT
 Observation Description

1 RA 128.2121 DEC -46.0760 ROLL 315.00
 2 TIME 1691

ID 4448-12
 NAME VELASNRE

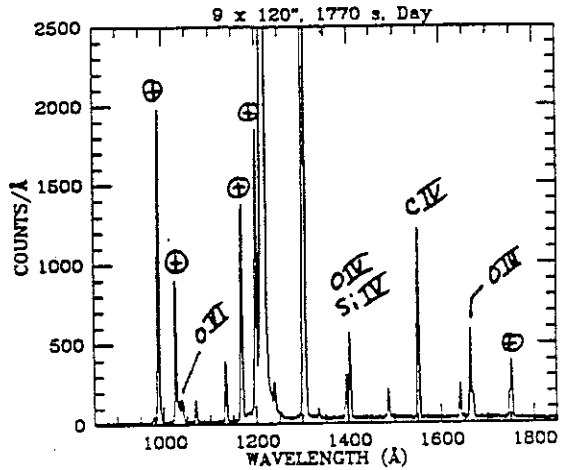


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	322	gde sim	15	14	3.7	5	2	1	---	---	---	---	---	LCDATA	
4	W	185	nlc ngd	15	15	1.0		7	4	60	7	4	---	---	BKG1	NOLOC
5	P	U	252	DT	-	T	F	31	b5	11	a6	-	-	-		
6	H	HOP	ITEM 90_5_1	(loc=obs ap)			14									
7	JAC	ITEM 16_0				15	W									
8		Config	H	W	U	16	JOB	Observe								
9		-----				17	JAC	All PREVIEW								
10	JAC	All	SETUP				18		All QUIT							
11	W	Chk	Stat	-LOC	-PAU	RDY	19	-----								
12		IMC	BEGIN				20	JAC	ITEM 16_1							
13		HUT	ITEM 5				21	H	HOP	ITEM 90_5_0	(restore)					

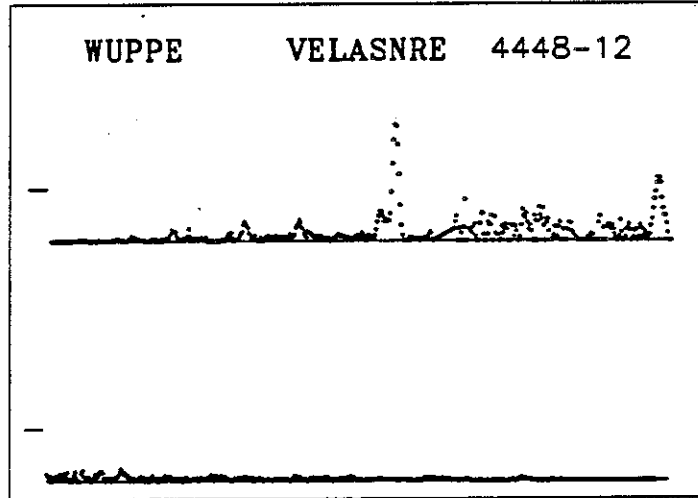
VIT did you get roll you want

1

OBJECT: 4448 VELASNRE
 KEYWORDS: Radiative SNR Shock
 COMMENTS:
 Emission line object. Locate with
 observing aperture; position chosen
 by UIT, so HUT aperture crosses
 filament. Expect strong O VI 1035
 and C III 977, as well as many other
 low ionization emission lines.



ID: 4448-12
 Names: VELASNRE
 Type: SNR
 % Pol: ?
 Pos Ang: ?
 Comments: HUT prime -
 may be too faint; search
 for pol cont in nebula;
 first seq is a 2 arcmin
 offset for bkgd; this is
 the second pointing, slit
 pos E.



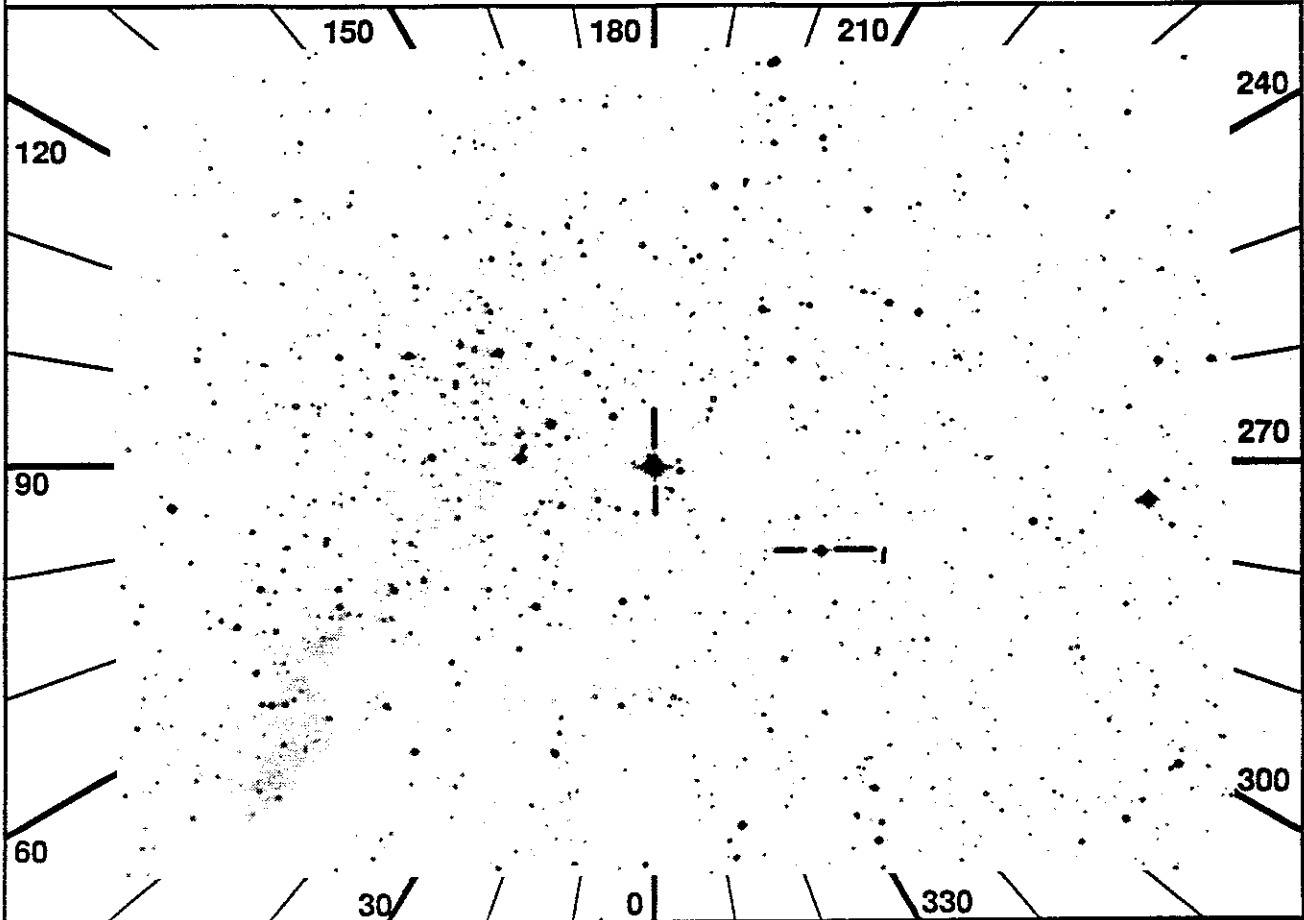
UIT
 Observation Description

1 RA 115.2420 DEC -42.1100 ROLL 284.32

ID 4503-11

2 TIME 1279

NAME HD62542



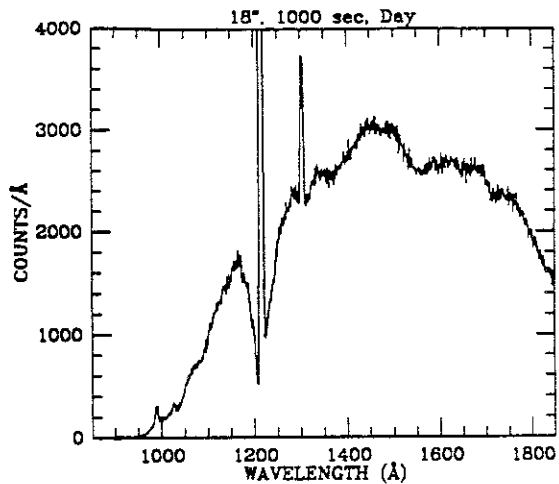
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	189	src sim	9	12	4.3	5	7	1	---	7	2	---	---	SAA AC	PHDMON
4	P	W 192	aut aut	8	7	4.4		8	6	---	---	---	---			
5	U	99	DT -	T	F											V-BRT
6	U		(At beginning of slew)					20	H	JAC	ITEM 16 0					
7	U	UAC	*IF UIT Door O*					21	H		HUT SETUP					
8	U		* ITEM 44, Chk Door C*					22	H		Chk HUT Stat -LOC					
9	U		Expect UIT SET,OBS err					23			All BEGIN					
10	H	-	VIP ON until SAA exit					24		JOB	Observe					
11	JAC		Config H W U					25	H		HUT will dither to ss					
12			-----					26	H		mode for part of obs.					
13	H	-	Note: Acquisition in SAA					27		JAC	All PREVIEW					
14	JAC		All SETUP					28			All QUIT					
15	J		Chk Stat - -LOC STB					29			-----					
16	H	TV	Verify HUT acq on TV					30		JAC	ITEM 16 1					
17	JAC		IMC BEGIN					31	U		(During slew)					
18			HUT ITEM 5					32	U	UAC	*IF next obj not V-BRT					
19	H	-	After SAA exit					33	U		* ITEM 43, Chk Door O*					

85

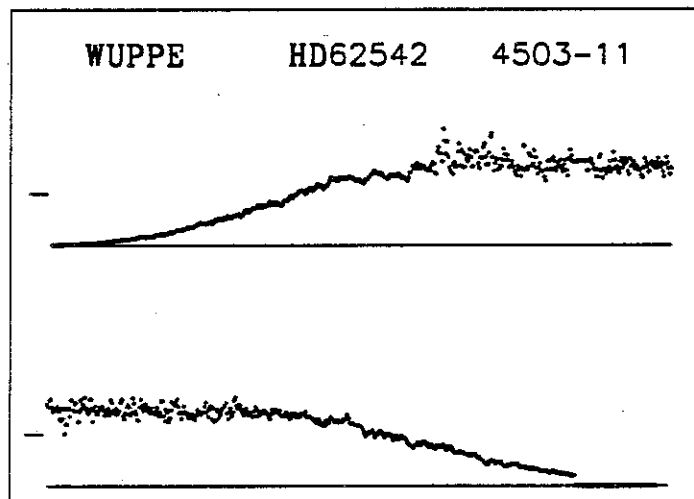
003

OBJECT: 4503 HD62542
KEYWORDS: B5 V, WUPPE extinction prog
COMMENTS:
A bit cool for HUT extinction program
but may be useful.

Will use part of both pointings for
taking pulse height data.



ID: 4503-11
Names: HD62542
Type: B5V
% Pol: 1.3
Pol Var:
Pos Ang:
Mechanism: interstellar
extinction
Comments: this object has
one of the largest values
of the "delta-bump"
parameters in the Savage
et al 1985 survey of UV
interstellar extinction
properties.
Co-pointing with BBXRT.



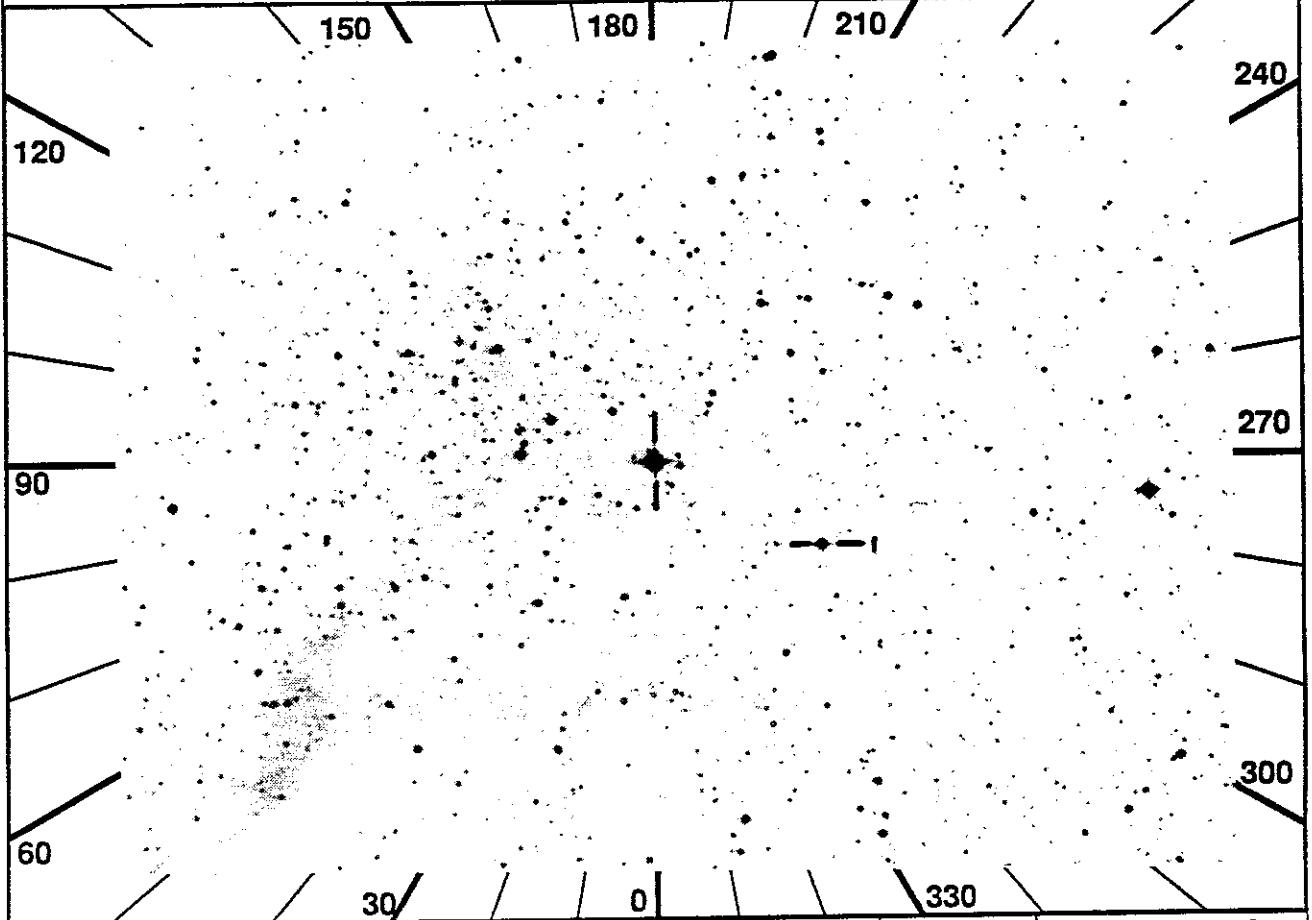
UIT
Observation Description

1 RA 115.2420 DEC -42.1100 ROLL 284.32

ID 4503-12

2 TIME 1459

NAME HD62542

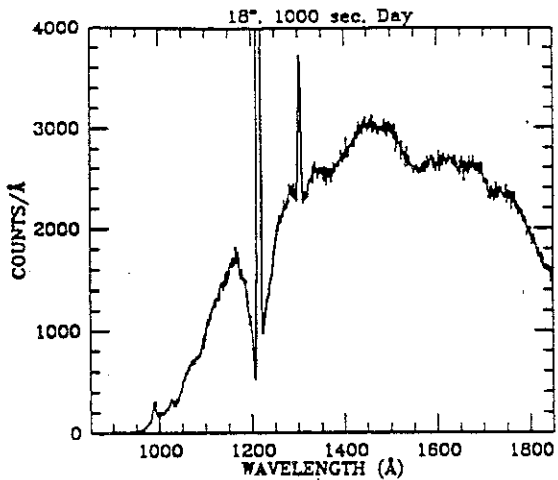


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	274	src	sim	9	12	4.3	5	7	1	---	7	2	---		PHDMON
4	P	W	192	aut	aut	8	7	4.4	8	6	---					
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	-	V-BRT
6	U								17							All BEGIN
7	U	UAC							18	JOB						Observe
8	U								19	H						HUT will dither to ss
9	U								20	H						mode for part of obs.
10	JAC								21	JAC						All PREVIEW
11									22							All QUIT
12									23							-----
13	JAC								24	JAC						ITEM 16_1
14	U								25	U						(During slew)
15									26	U	UAC					*IF next obj not V-BRT
16									27	U						* ITEM 43, Chk Door O*

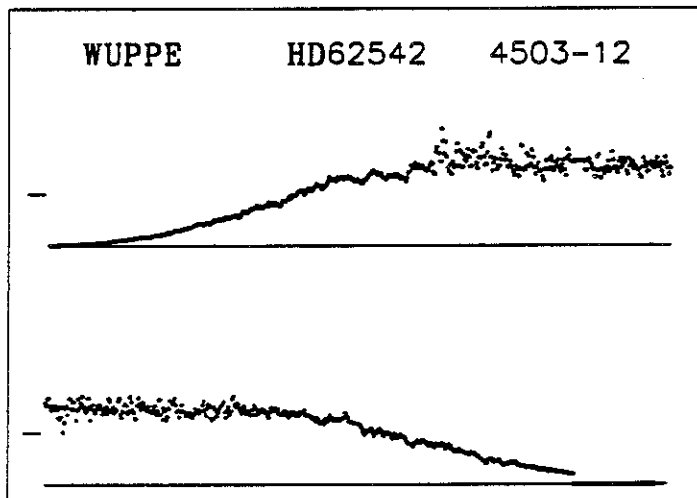
3

OBJECT: 4503 HD62542
KEYWORDS: B5 V, WUPPE extinction prog
COMMENTS:
A bit cool for HUT extinction program
but may be useful.

Will use part of both pointings for
taking pulse height data.



ID: 4503-12
Names: HD62542
Type: B5V
% Pol: 1.3
Pol Var:
Pos Ang:
Mechanism: interstellar
extinction
Comments: this object has
one of the largest values
of the "delta-bump"
parameters in the Savage
et al 1985 survey of UV
interstellar extinction
properties.



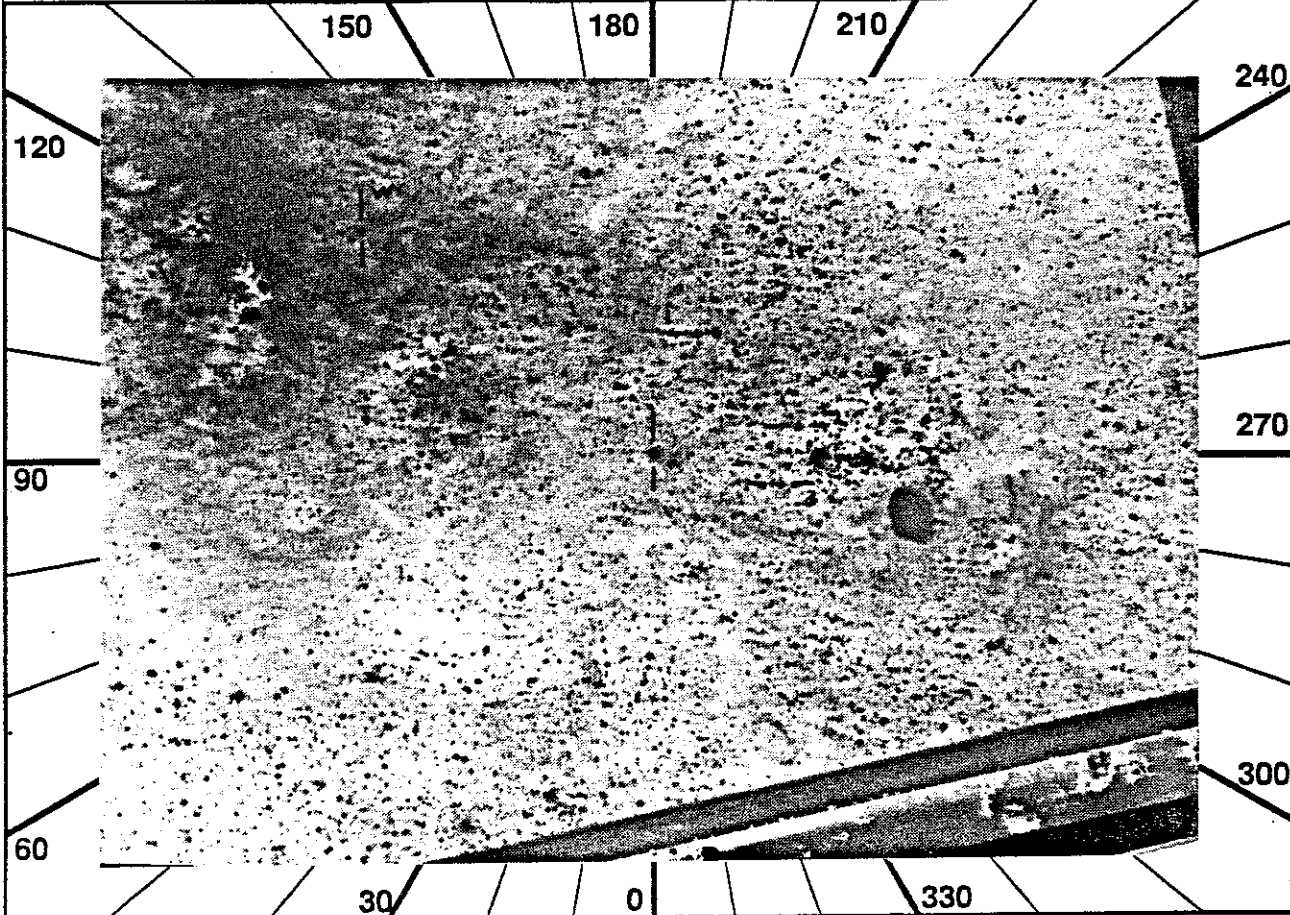
UIT
Observation Description

1 RA 84.3208 DEC -69.2090 ROLL 35.00

ID 4516-11

2 TIME 2061

NAME SK69-239

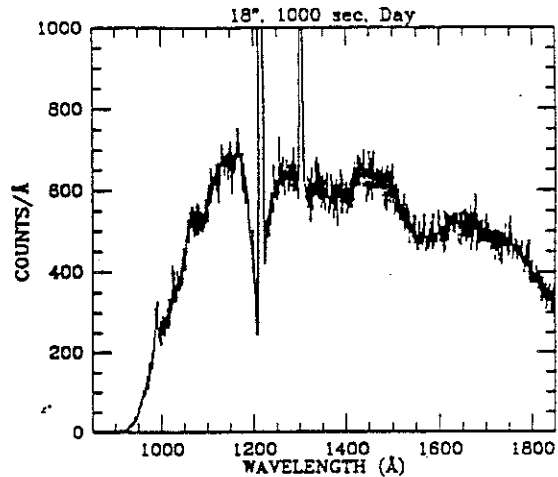


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	70	src	sim	11	13	4.1	5	7	1	---	---	---	---		
4	S	W 223	aut	aut	10	11	3.0		2	2	506	2	2	554	---	BKG2
5	U	224	DT	-	T	F	156	a5	156	a1						
6	JAC	ITEM	16	0					13							
7		Config	H	W	U				14	W						
8									15							
9	JAC	All	SETUP						16	JAC	All	PREVIEW				
10		Chk	Stat	-LOC	-LOC	RDY			17		All	QUIT				
11		IMC	BEGIN						18							
12		HUT	ITEM	5					19	JAC	ITEM	16_1				

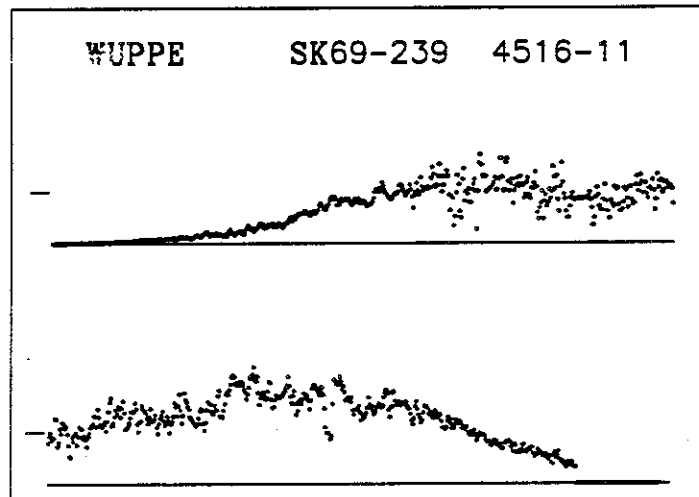
2

OBJECT: 4516 SK89-239
KEYWORDS: HUT will look at SK89-224
COMMENTS:
This is the infamous stick HUT in the
boonies pointing. HUT will look at
nearest early SK star.

Count rate is rather uncertain.



ID: 4516-11
Names: SK69-239 HD269902
Type: A0I
% Pol: 3.0
Pol Var: no
Pos Ang: 85
Mechanism: dust
Comments: One of the two inter-
stellar probes in the LMC;
WUPPE is offsetting so UIT can
acquire SN1987A. Looking for
possible behavior across LMC's
weaker 2200Å feature.



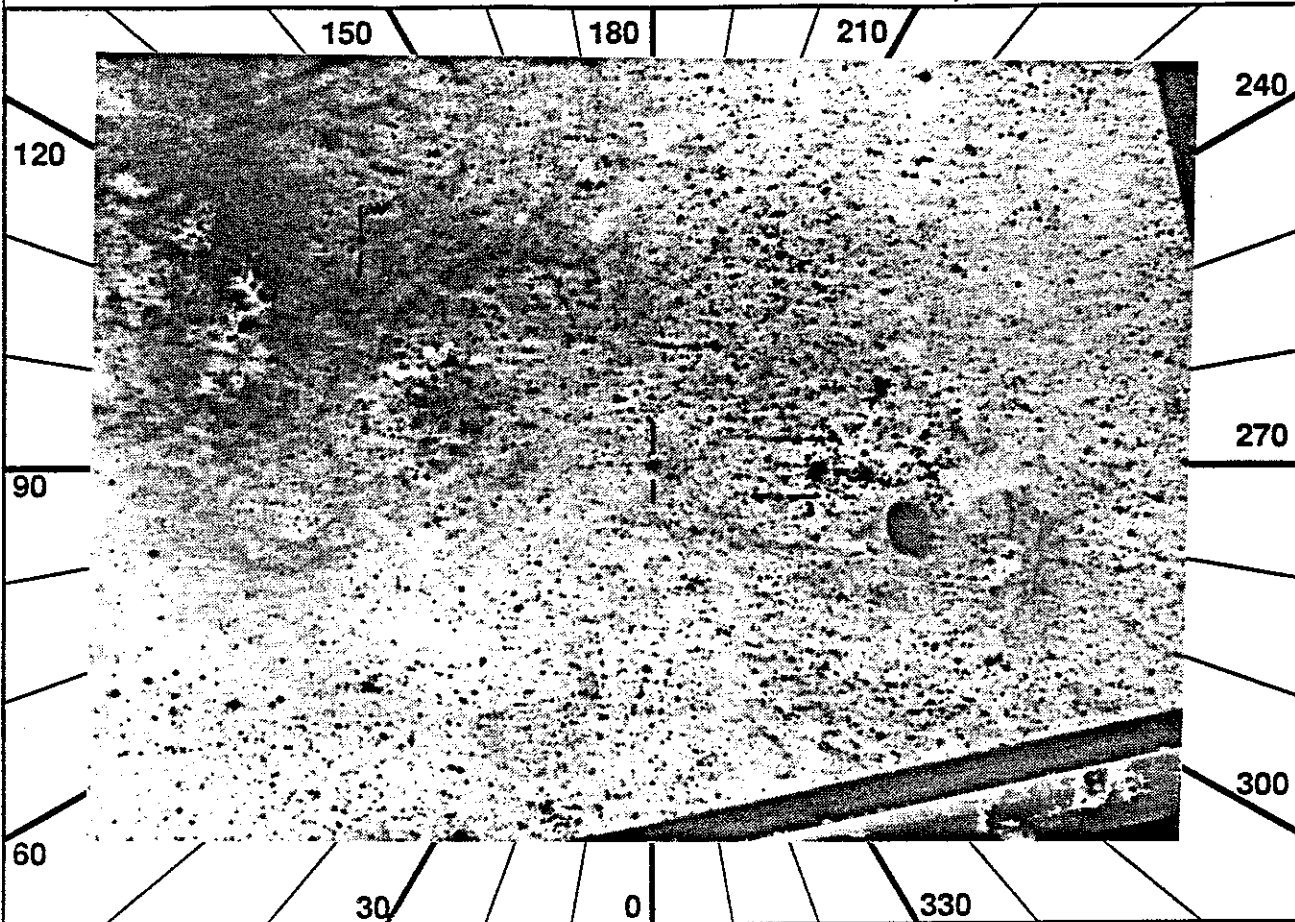
UIT
Observation Description

1 RA 84.3208 DEC -69.2090 ROLL 35.00

ID 4516-12

2 TIME 1749

NAME SK69-239

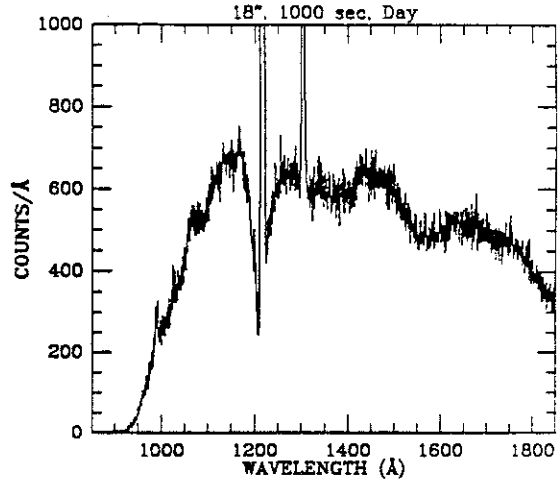


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H 177	src	sim	11	13	4.1	5	7	1	---	-	-	---	-	-	-
4	S W 193	aut	aut	10	11	3.0		2	2	506	---	-	---	-	-	-
5	U 13	DT	-	T	F	31	a4	-	-	-	-	-	-	-	-	-
6	JAC	ITEM	16	0				13								
7		Config	H	W	U			14								
8		-----						15								
9	JAC	All	SETUP					16								
10		Chk	Stat	-LOC	-LOC	RDY		17								
11		IMC	BEGIN					18								
12		HUT	ITEM	5												

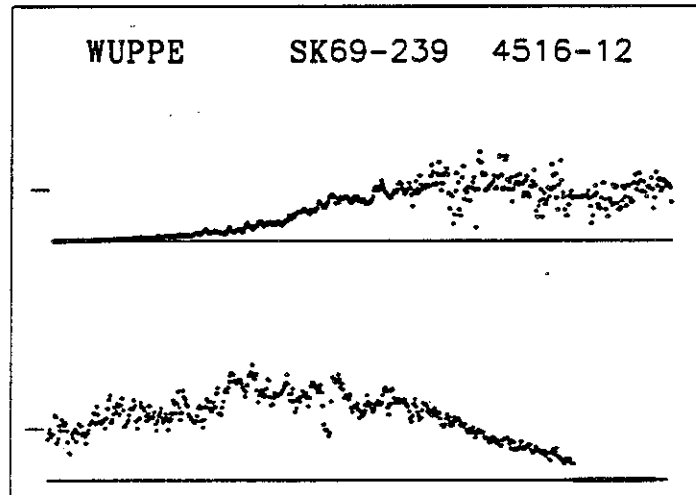
2

OBJECT: 4516 SK69-239
KEYWORDS: HUT will look at SK69-224
COMMENTS:
This is the infamous stick HUT in the
boonies pointing. HUT will look at
nearest early SK star.

Count rate is rather uncertain.



ID: 4516-12
Names: SK69-239 HD269902
Type: A0I
% Pol: 3.0
Pol Var: no
Pos Ang: 85
Mechanism: dust
Comments: One of the two inter-
stellar probes in the LMC;
WUPPE is offsetting so UIT can
acquire SN1987A. Looking for
possible behavior across LMC's
weaker 2200Å feature.



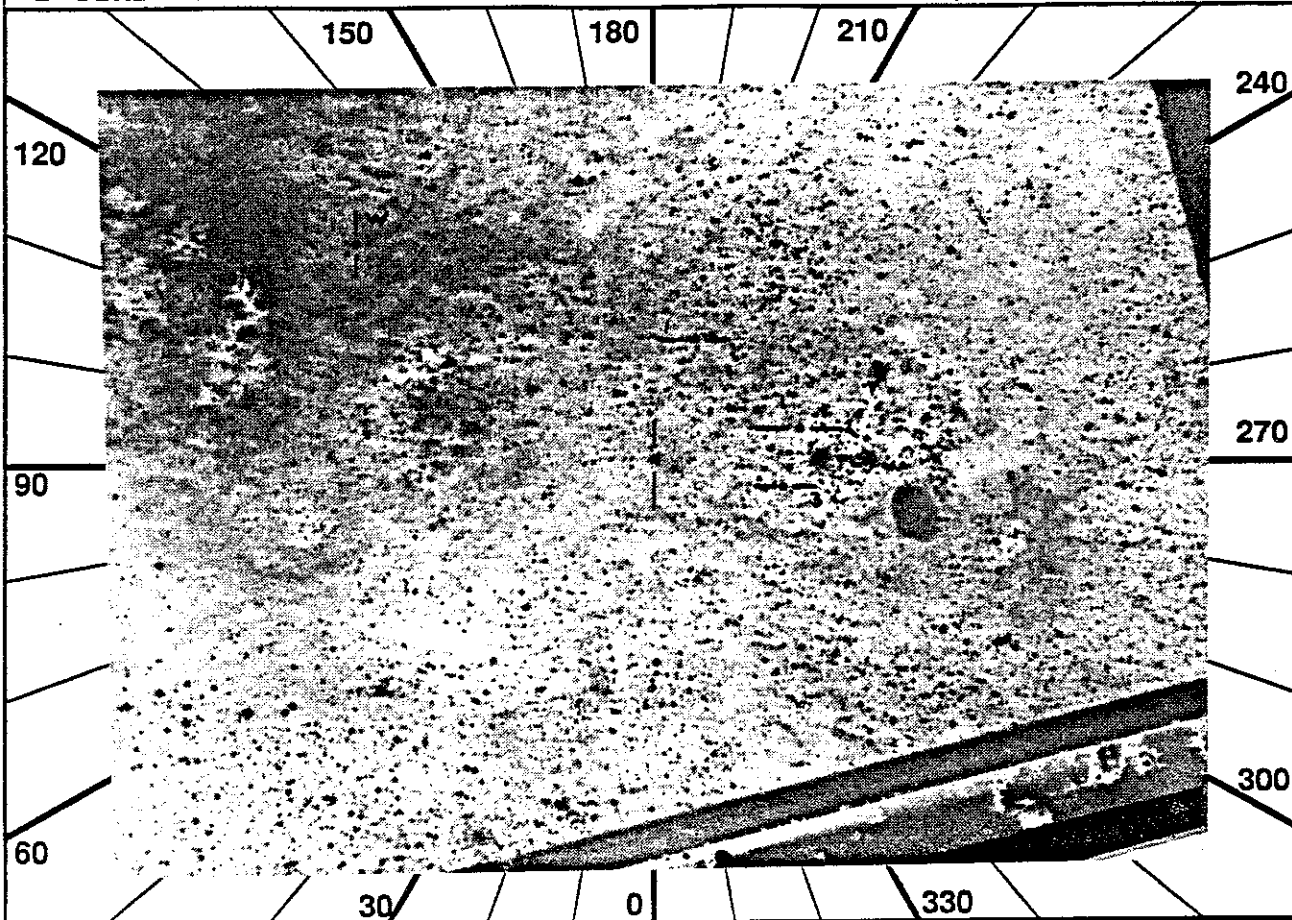
UIT
Observation Description

1 RA 84.3208 DEC -69.2090 ROLL 35.00

ID 4516-13

2 TIME 1589

NAME SK69-239

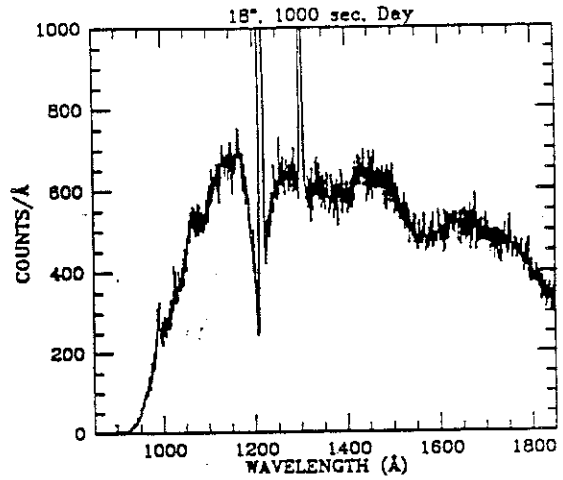


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H 181	src	sim	11	13	4.1	5	7	1	---	---	---	---	---	SAA	AC
4	S W 193	aut	aut	10	11	3.0		2	2	506	---	---	---	---		
5	U 223	DT	-	T	F	156	b5	-	-	-	-	-	-	-		
6	H -	VIP ON until SAA exit				16	H	JAC	ITEM 16 0							
7	JAC	Config H W U				17	H		HUT SETUP							
8		-----				18	H		Chk HUT Stat -LOC							
9	H -	Note: Acquisition in SAA				19			All BEGIN							
10	JAC	All SETUP				20		JOB	Observe							
11	H	Chk Stat - -LOC RDY				21	JAC	All PREVIEW								
12	H TV	Verify HUT acq on TV				22			All QUIT							
13	JAC	IMC BEGIN				23			-----							
14		HUT ITEM 5				24	JAC	ITEM 16_1								
15	H -	After SAA exit														

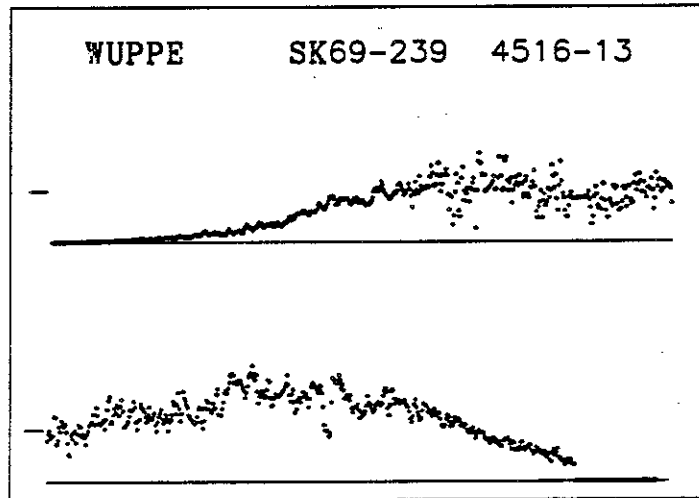
2

OBJECT: 4518 SK69-239
KEYWORDS: HUT will look at SK69-224
COMMENTS:
This is the infamous stick HUT in the
boonies pointing. HUT will look at
nearest early SK star.

Count rate is rather uncertain.



ID: 4516-13
Names: SK69-239 HD269902
Type: A0I
% Pol: 3.0
Pol Var: no
Pos Ang: 85
Mechanism: dust
Comments: One of the two inter-
stellar probes in the LMC;
WUPPE is offsetting so UIT can
acquire SN1987A. Looking for
possible behavior across LMC's
weaker 2200Å feature.



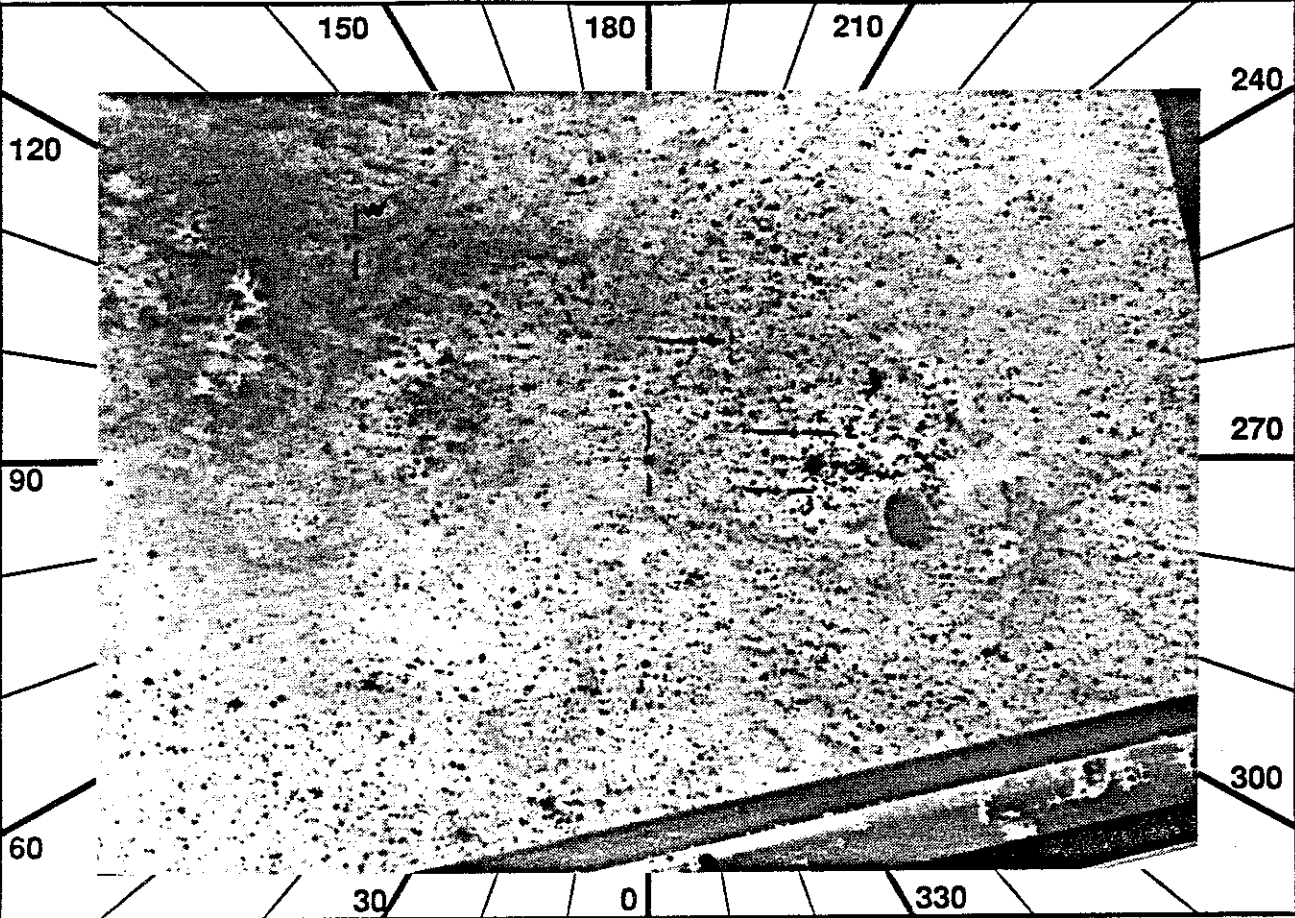
UIT
Observation Description

1 RA 84.3208 DEC -69.2090 ROLL 35.00

ID 4516-14

2 TIME 1016

NAME SK69-239

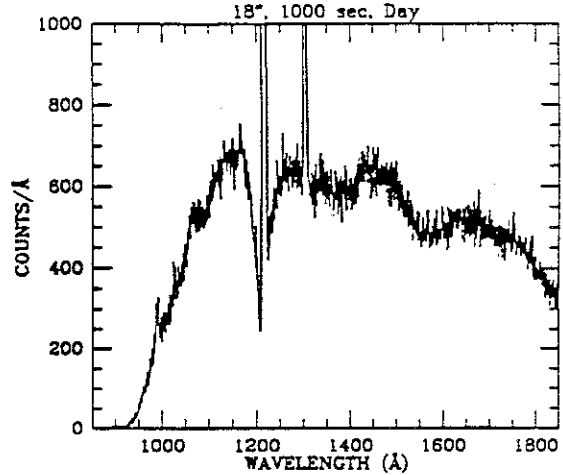


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	221	src	sim	11	13	4.1	5	7	1	---	-	-	---	SAA	AC	
4	S	W	193	aut	aut	10	11	3.0	2	2	506	---	-	---			
5	U	223	DT	-	T	F	156	b5	-	-	-	-	-	-			
6	H	-	VIP ON until SAA exit						16	H	JAC	ITEM 16 0					
7	JAC	Config H W U						17	H	HUT SETUP							
8	-----																
8							18	H	Chk HUT Stat -LOC								
9	H	-	Note: Acquisition in SAA						19	All BEGIN							
10	JAC	All SETUP						20	JOB Observe								
11	H	JAC	Chk Stat - -LOC RDY						21	JAC	All PREVIEW						
12	H	TV	Verify HUT acq on TV						22	All QUIT							
13	JAC	IMC BEGIN						23	-----								
14	HUT ITEM 5						24	JAC	ITEM 16_1								
15	H	-	After SAA exit														

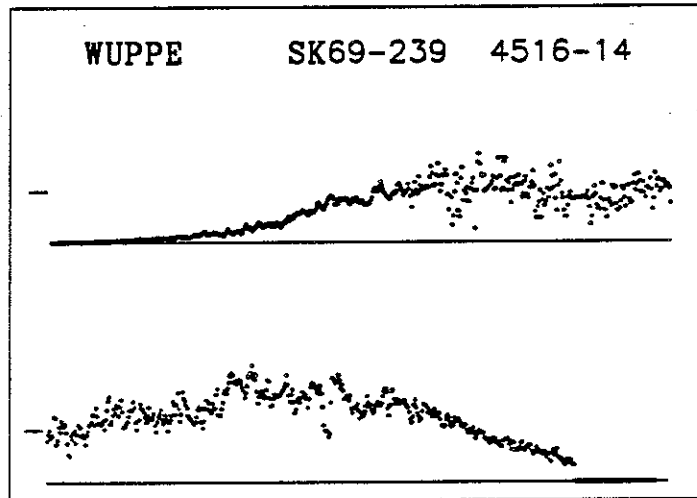
2

OBJECT: 4518 SK69-239
KEYWORDS: HUT will look at SK69-224
COMMENTS:
This is the infamous stick HUT in the
boonies pointing. HUT will look at
nearest early SK star.

Count rate is rather uncertain.

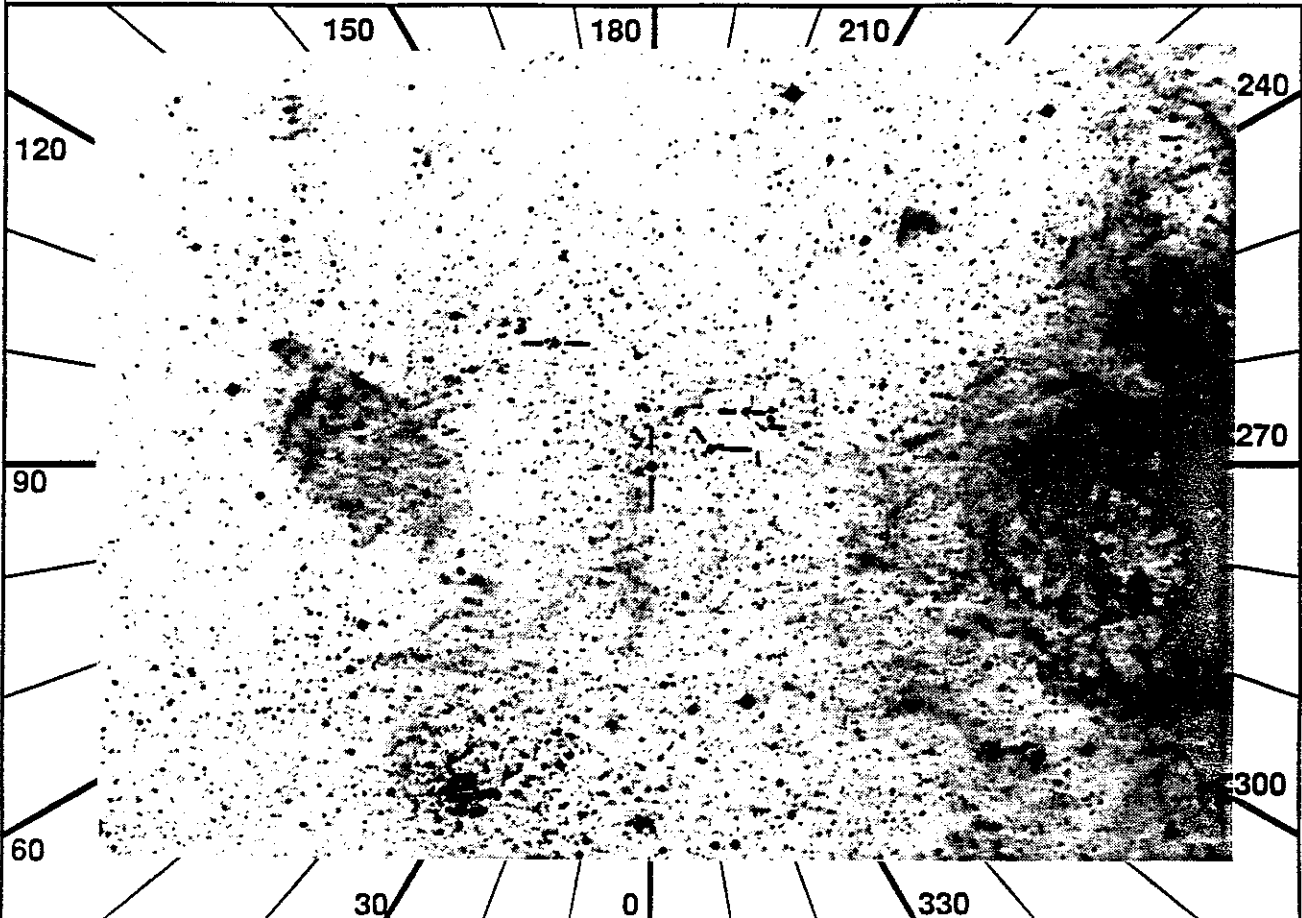


ID: 4516-14
Names: SK69-239 HD269902
Type: A0I
% Pol: 3.0
Pol Var: no
Pos Ang: 85
Mechanism: dust
Comments: One of the two inter-
stellar probes in the LMC;
WUPPE is offsetting so UIT can
acquire SN1987A. Looking for
possible behavior across LMC's
weaker 2200Å feature.



UIT
Observation Description

1 RA 85.4146 DEC -69.0888 ROLL 9.99 ID 4519-11
 2 TIME 1288 NAME SK69-270



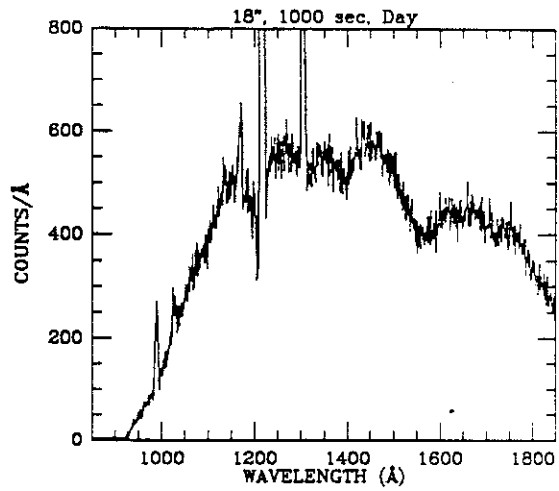
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	101	src sim	12	13	3.7	5	7	4	---	7	2	---	-	ACQ4	SAAPHD		
4	P	W	226	aut	aut	11	10	3.2	2	2	---	2	2	60	---	BKG2		
5	U	247	DT	-	T	F	31	a2	31	a4	-	-	-	-	-	-		
6	H	-	VIP ON until SAA exit				18	H	HUT SETUP									
7	JAC	Config H W U				19	H	Chk HUT Stat -LOC										
8	-----											20	All BEGIN					
9	H	-	Note: Acquisition in SAA				21	W	NOTE: WUP last seq = BKG									
10	JAC	All SETUP				22	JOB	Observe										
11	H	TV	Src briter of 20" double				23	H	HUT will dither to ss									
12	H	JAC	Chk Stat - -LOC RDY				24	H	mode for part of obs.									
13	H	TV	Verify HUT acq on TV				25	JAC	All PREVIEW									
14	JAC	IMC BEGIN				26	All QUIT											
15	HUT ITEM 5											27	-----					
16	H	-	After SAA exit				28	JAC	ITEM 16_1									
17	H	JAC	ITEM 16_0															

SOURCE IS BRIGHTER STAR OF PAIR
 (RAK NOTE DIRECTION)

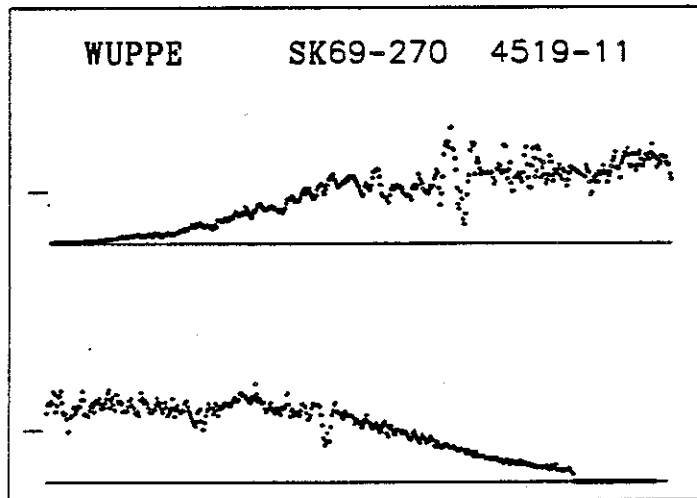
2

OBJECT: 4519 SK69-270
 KEYWORDS: B3 Ia. extinction program
 COMMENTS:
 HUT will use 4519-12 for relative
 door state flux calibration; full vs.
 half aperture.

 Will use 4519-11 for taking pulse
 height data.

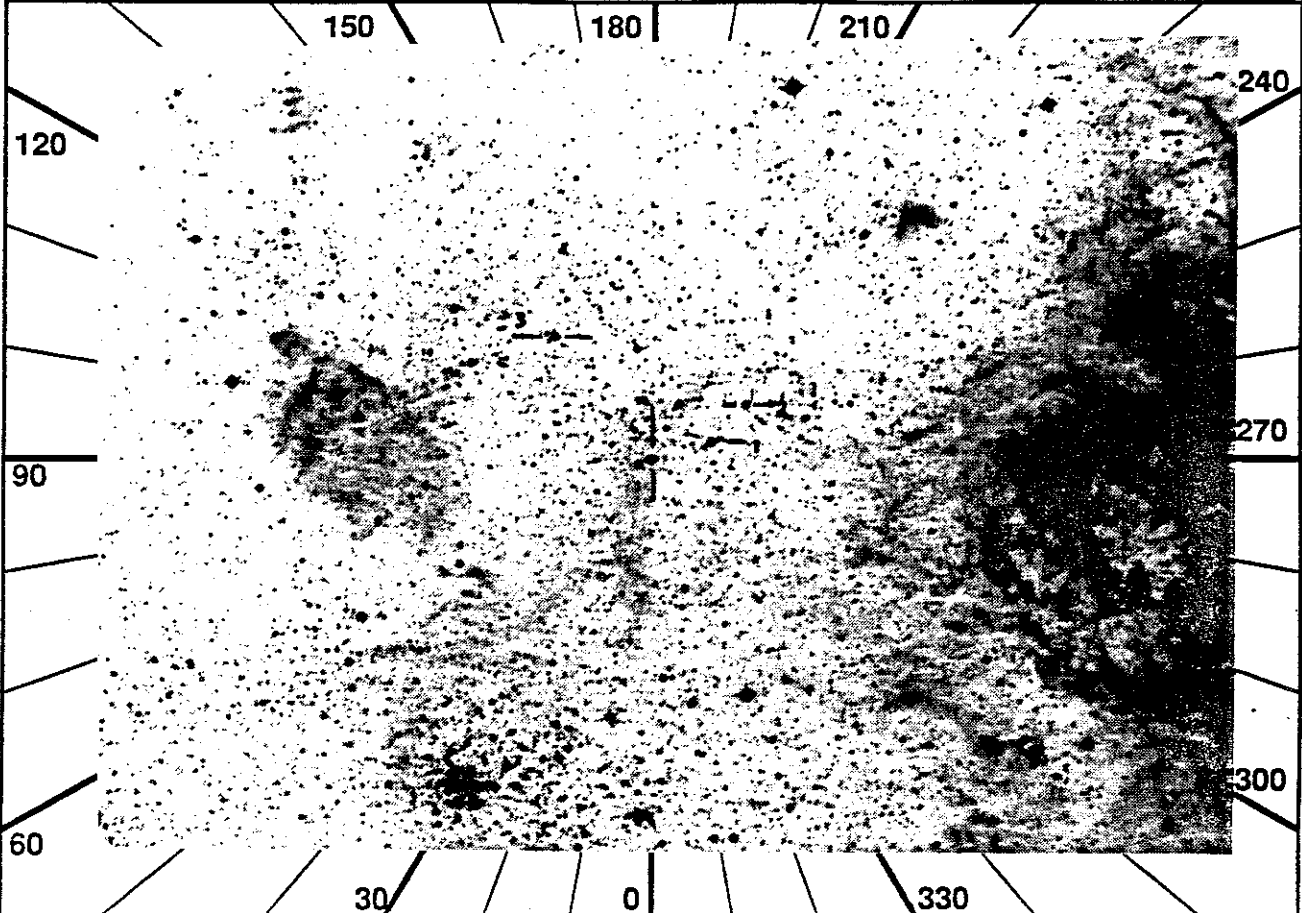


ID: 4519-11
 Names: SK69-270 HD269997
 Type: B3IA
 % Pol: 2.3
 Pol Var: no
 Pos Ang: 85
 Mechanism: dust
 Comments: One of the two inter-
 stellar probes in the LMC;
 looking for possible behavior
 across LMC's weaker 2200Å
 feature.



UIT
 Observation Description

1 RA 85.4215 DEC -69.1077 ROLL 9.99 ID 4519-12
 2 TIME 2101 NAME SK69-270



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H 103	src sim	12 13	3.7	5	7	4	---	-	-	---	-	-	---	ACQ4	DOOR1
4	P W 194	aut aut	11 10	3.2		2	2	---	-	-	---	-	-	---		
5	U 246	DT -	T F	31 a5	31 b5	-	-	-	-	-	-	-	-	-		
6	JAC	ITEM 16 0				14			All	BEGIN						
7		Config H W U				15			JOB	Observe						
8		-----				16	H	HOP	600	sec after BEGIN,						
9	JAC	All SETUP				17	H	ITEM	42 3	(shut -Y door)						
10	H TV	Src briter of 20" double				18	JAC	All	PREVIEW							
11	JAC	Chk Stat -LOC -LOC RDY				19			All	QUIT						
12		IMC BEGIN				20			-----							
13	HUT	ITEM 5				21	JAC	ITEM	16_1							

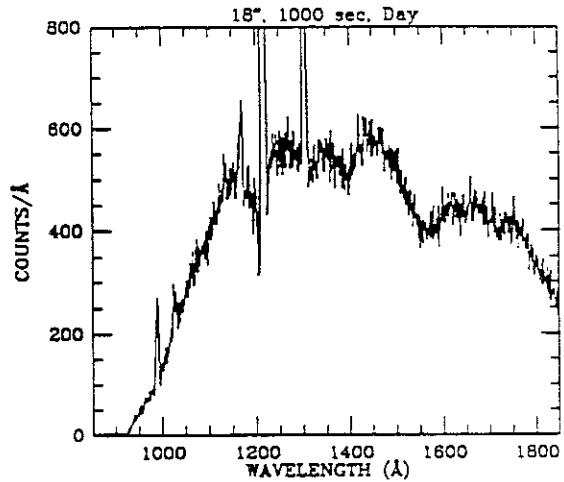
SOURCE IS BRIGHTER STAR OF PAIR
 (RAK NOTE DIRECTION)

relative door cal

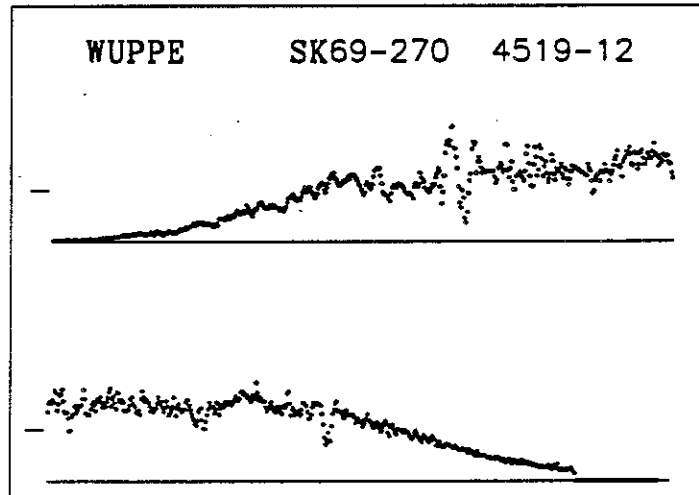
2

OBJECT: 4519 SK69-270
KEYWORDS: B3 Ia, extinction program
COMMENTS:
HUT will use 4519-12 for relative
door state flux calibration: full vs.
half aperture.

Will use 4519-11 for taking pulse
height data.



ID: 4519-12
Names: SK69-270 HD269997
Type: B3IA
% Pol: 2.3
Pol Var: no
Pos Ang: 85
Mechanism: dust
Comments: One of the two inter-
stellar probes in the LMC;
looking for possible behavior
across LMC's weaker 2200Å
feature.



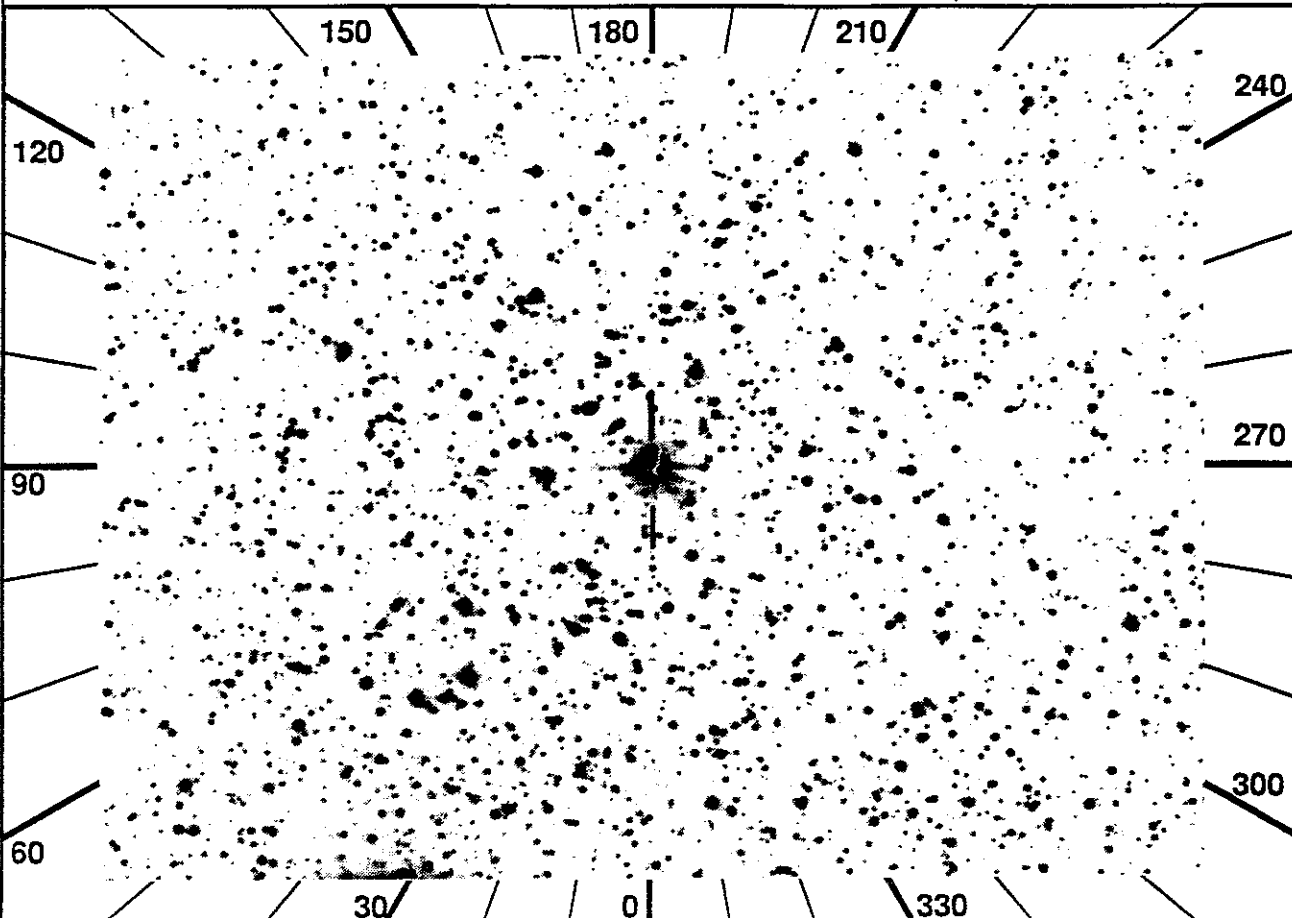
UIT
Observation Description

1 RA 112.7668 DEC -14.2294 ROLL 296.93

ID 4524-10

2 TIME 1716

NAME HD60325



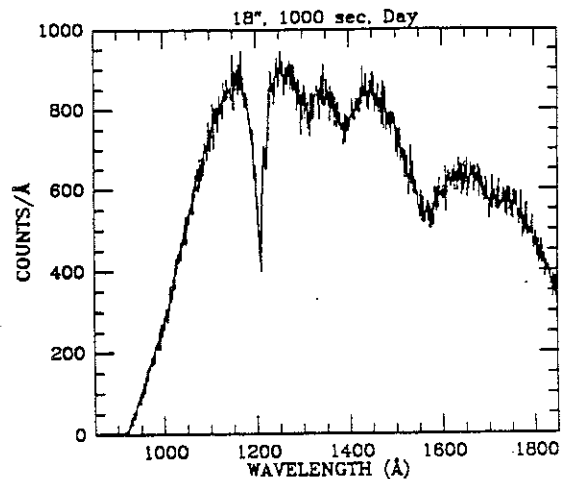
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	297	src	sim	7	7	3.8	2	7	1	---	---	---	---	DR6SAA	
4	P	W	195	aut	aut	6	4	5.7	8	6	---	---	---	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	

- 6 U (At beginning of slew)
- 7 U UAC *IF UIT Door O*
- 8 U * ITEM 44, Chk Door C*
- 9 U Expect UIT SET,OBS err
- 10 H JAC VIP ON until at obs slit
- 11 Config H W U
- 12 -----
- 13 H - Note: Acquisition in SAA
- 14 JAC All SETUP
- 15 J Chk Stat - -LOC STB
- 16 H TV Verify HUT acq on TV
- 17 JAC IMC BEGIN
- 18 HUT ITEM 5
- 19 H - After SAA exit
- 20 H JAC HUT SETUP
- 21 H Chk HUT Stat -DET
- 22 All BEGIN
- 23 H HSP When actual slit pos=7
- 24 H JAC ITEM 16_0
- 25 JOB Observe
- 26 H HOP 500 sec after BEGIN,
- 27 H ITEM 42_1 (1 cm2 door)
- 28 H JAC 600 sec after BEGIN,
- 29 H ITEM 16_1
- 30 H When log P < -5.5
- 31 H ITEM 16_0 (T = 0 sec)
- 32 H ITEM 16_1 (T = 100 sec)
- 33 H (Cycle pump thru obs)
- 34 All PREVIEW
- 35 H HDC (just prior to QUIT)
- 36 H ITEM 61_0 (ND6 filt)
- 37 H Check 61_0_0
- 38 H JAC ITEM 16_I
- 39 All QUIT
- 40 -----
- 41 U (During slew)
- 42 U UAC *IF next obj not V-BRT
- 43 U * ITEM 43, Chk Door O*

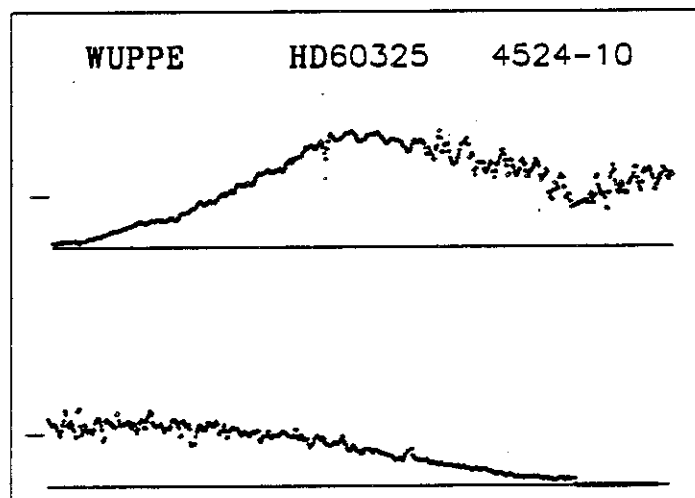
relative star cal

OBJECT: 4524 HD60325
KEYWORDS: B1 V, extinction program.
COMMENTS:
Will be used for relative door state
flux calibration, 50 cm², vs.
1 cm².

At 1 cm² setting, regular pump
cycling will probably be necessary
to prevent pressure buildup.



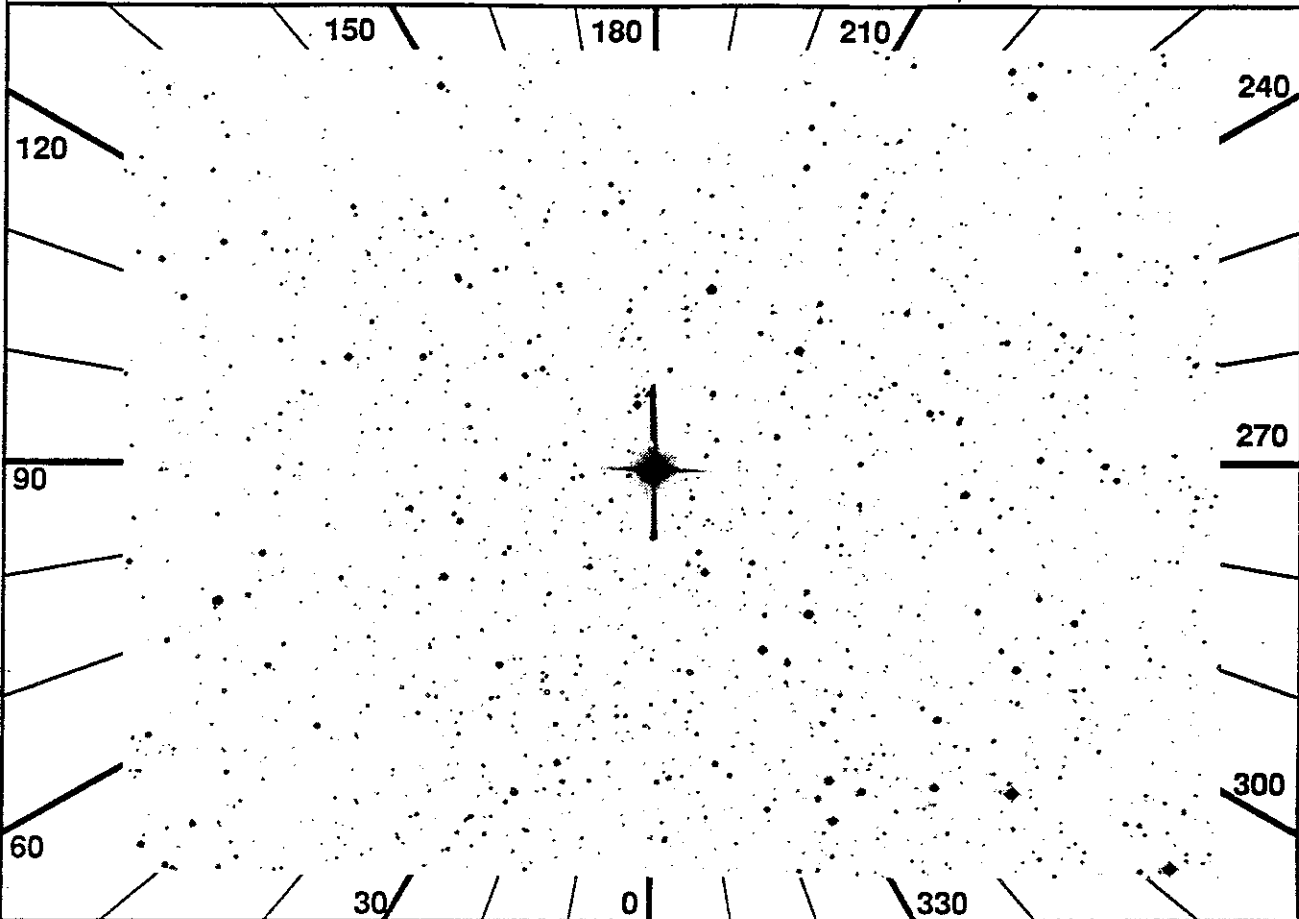
ID: 4524-10
Names: HD60325
Type: B2IIIP
% Pol: 1.52
Pol Var:
Pos Ang: 22.0
Mechanism: interstellar
extinction
Comments: This star has a
rather small, 5300 Å, value
of lambda max.
IUE data used for simulated
spectrum is that of OmglSco.



UIT
Observation Description

1 RA 170.5450 DEC -71.9817 ROLL 138.29
 2 TIME 835

ID 4530-10
 NAME HD99264



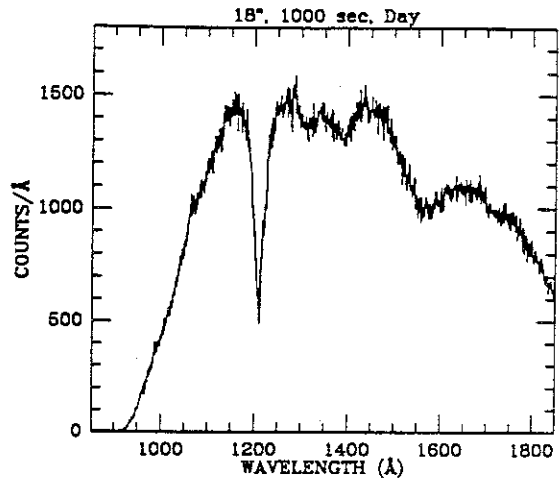
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	287	src	sim	6	6	4.0	2	7	1	---	7	2	---	---	---	SMALAP PHDMON
4	P	W 195	aut	aut	6	4	5.7		8	6	---	---	---	---	---	---	SAA1
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	-	-	V-BRT
6	U								25	H		ITEM	61	0			(ND6 filt)
7	U	UAC	*IF	UIT	Door	O*			26	H		Check	61	0	0		
8	U		* ITEM	44,	Chk	Door	C*		27	H	JAC	ITEM	16	I			
9	U		Expect	UIT	SET,	OBS	err		28	W	JOB	Wait	for	time	avail=0		
10	H	JAC	VIP	ON	until	at	obs	slit	29	W	JAC	UIT	QUIT				
11			Config	H	W	U			30								
12									31	W		NOTE:	SAA	OBS-	NO	IPS	HLD
13	JAC		All	SETUP					32	W	WOB	ITEM	8				(Pause)
14	J		Chk	Stat	-	-	LOC	STB	33	W		ITEM	2				(Setup)
15	H	TV	Verify	HUT	acq	on	TV		34	W		Chk	WUP	Stat	-	LOC	
16	JAC		IMC	BEGIN					35	W		ITEM	7	t	(t=SAAout/mnvr)		
17			HUT	ITEM	5				36	W	JOB	Observe					
18			All	BEGIN					37	W	JAC	All	PREVIEW				
19	H	HSP	When	actual	slit	pos=7			38	W	WOB	Wait	for	time	rem	obj=0	
20	H	JAC	ITEM	16_0					39	W	JAC	All	QUIT				
21		JOB	Observe						40	U		(During	slew)				
22	H		HUT	will	dither	to	ss		41	U	UAC	*IF	next	obj	not	V-BRT	
23	H		mode	for	part	of	obs.		42	U		* ITEM	43,	Chk	Door	O*	
24	H	HDC	(just	prior	to	QUIT)											

3

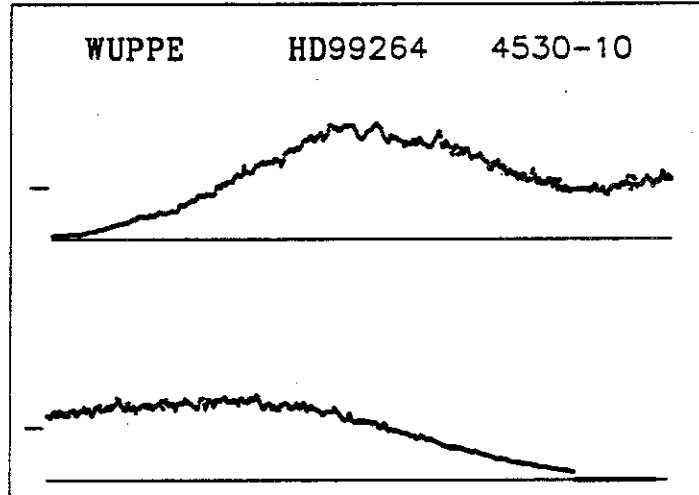
OBJECT: 4530 HD99264
KEYWORDS: B3 III extinction program
COMMENTS:
A bit cool for HUT extinction program
but may still be useful.

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

Will take pulse height data as well.



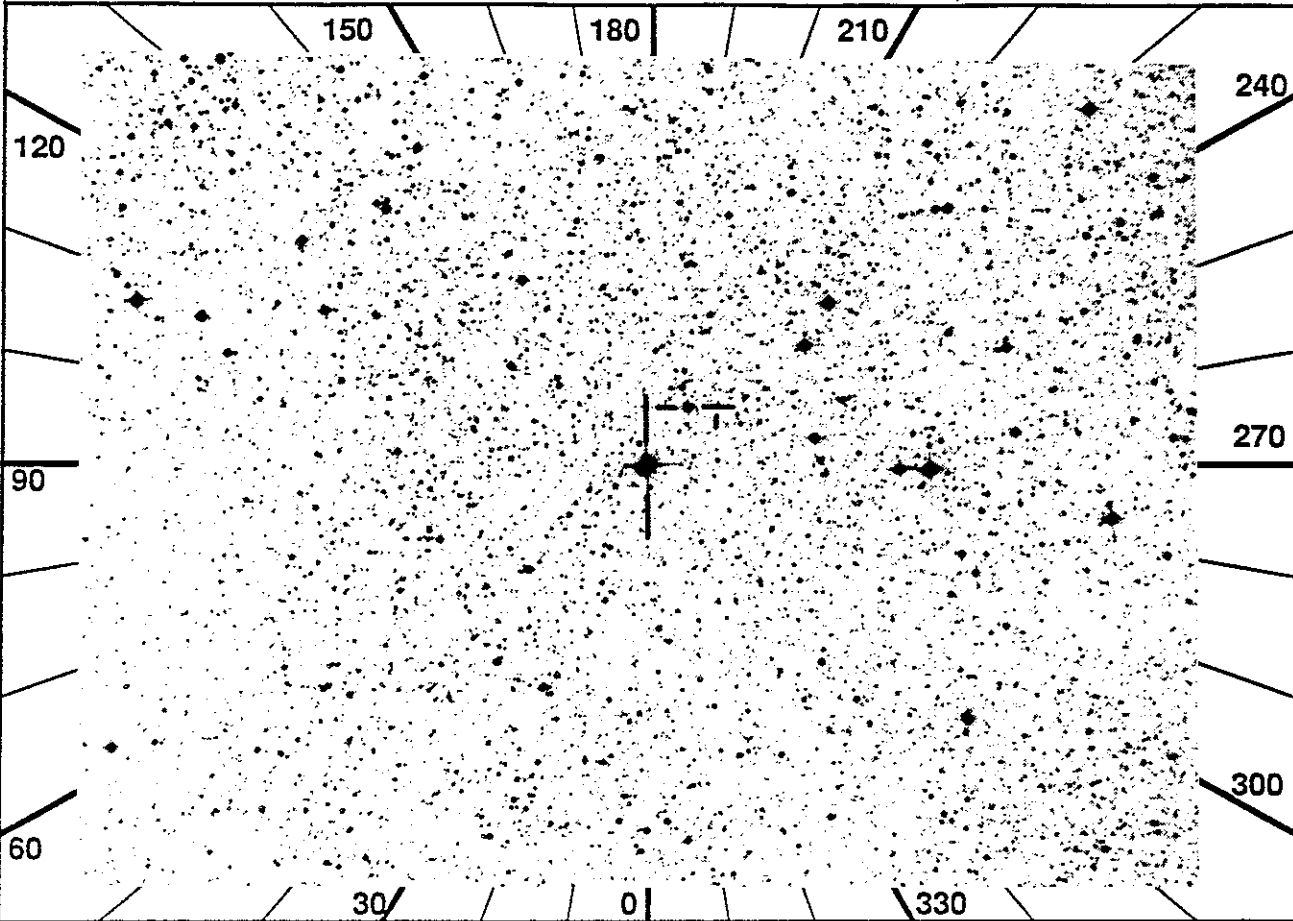
ID: 4530-10
Names: HD99264
Type: B2IV-V
% Pol: 2.36
Pol Var:
Pos Ang: 120.4
Mechanism: interstellar
extinction
Comments: This object is at
the opposite extreme of the
"delta-bump" parameter of the
Savage et al 1985 from HD62542
(target 4503).
IUE data used for simulated
spectrum is that of HD197512.



UIT
Observation Description

1 RA 197.8702 DEC -63.3166 ROLL 322.87
 2 TIME 851

ID 4533-10
 NAME HD114886



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	77	src sim	8	11	3.4	2	7	X	---	7	2	---	---	---	SMAPHD C LR3
4	P	W 197	aut aut	7	6	5.1		8	6	---	---	---	---	---		
5	U	101	DT -	T F	31	a1	31	b1	-	-	-	-	-	-		
6	H	JAC	VIP ON until at obs slit				19	H	* Check 61 0 0							
7			Config H W U				20	H	HOP	* ITEM 42 3 (door 3)						
8			-----				21	H		* ITEM 32 X (X = gs mag)						
9		JAC	All SETUP				22		JOB	Observe -----						
10	H		Chk Stat	-	-	LOC RDY	23	H	HUT will dither to ss							
11	H	TV	Verify HUT acq on TV				24	H	mode for part of obs.							
12		JAC	IMC BEGIN				25		JAC	All PREVIEW						
13			HUT ITEM 5				26	H	HDC	(just prior to QUIT)						
14			All BEGIN				27	H	ITEM 61 0 (ND6 filt)							
15	H	HSP	When actual slit pos=7				28	H	Check 61 0 0							
16	H	JAC	ITEM 16 0				29	H	JAC	ITEM 16 I						
17	H	JOB	*IF HUT LOG R < 3				30		All QUIT							
18	H	HDC	* ITEM 61 0 (ND6 filt)				31		-----							

HOP ITEM 39.1

NEEDS NEW SEQUENCE

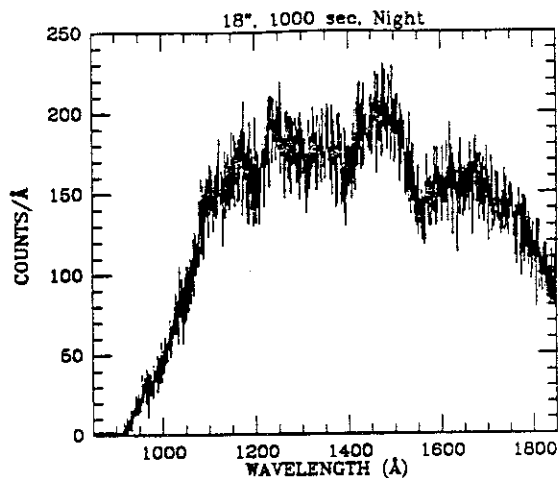
2

OBJECT: 4533 HD114886
KEYWORDS: O 9 V, extinction program
COMMENTS:
Moderately reddened: $E(B-V) = 0.39$.
Will be good for HUT extinction
program as well.

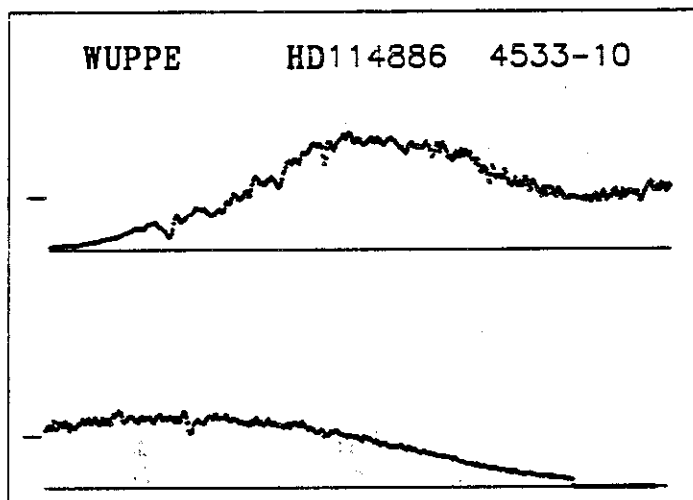
Rate uncertain; may be able to open
from 50 cm**2 to half-aperture.

..

Will take pulse height data as well.



ID: 4533-10
Names: HD114886
Type: O9II-III
% Pol: 1.99
Pol Var:
Pos Ang: 74.0
Mechanism: interstellar
extinction
Comments: Like 4530 (HD99264)
this object has a large
positive value of the
"delta-bump" parameter.
IUE data used for simulated
spectrum is that of 14 Cep.



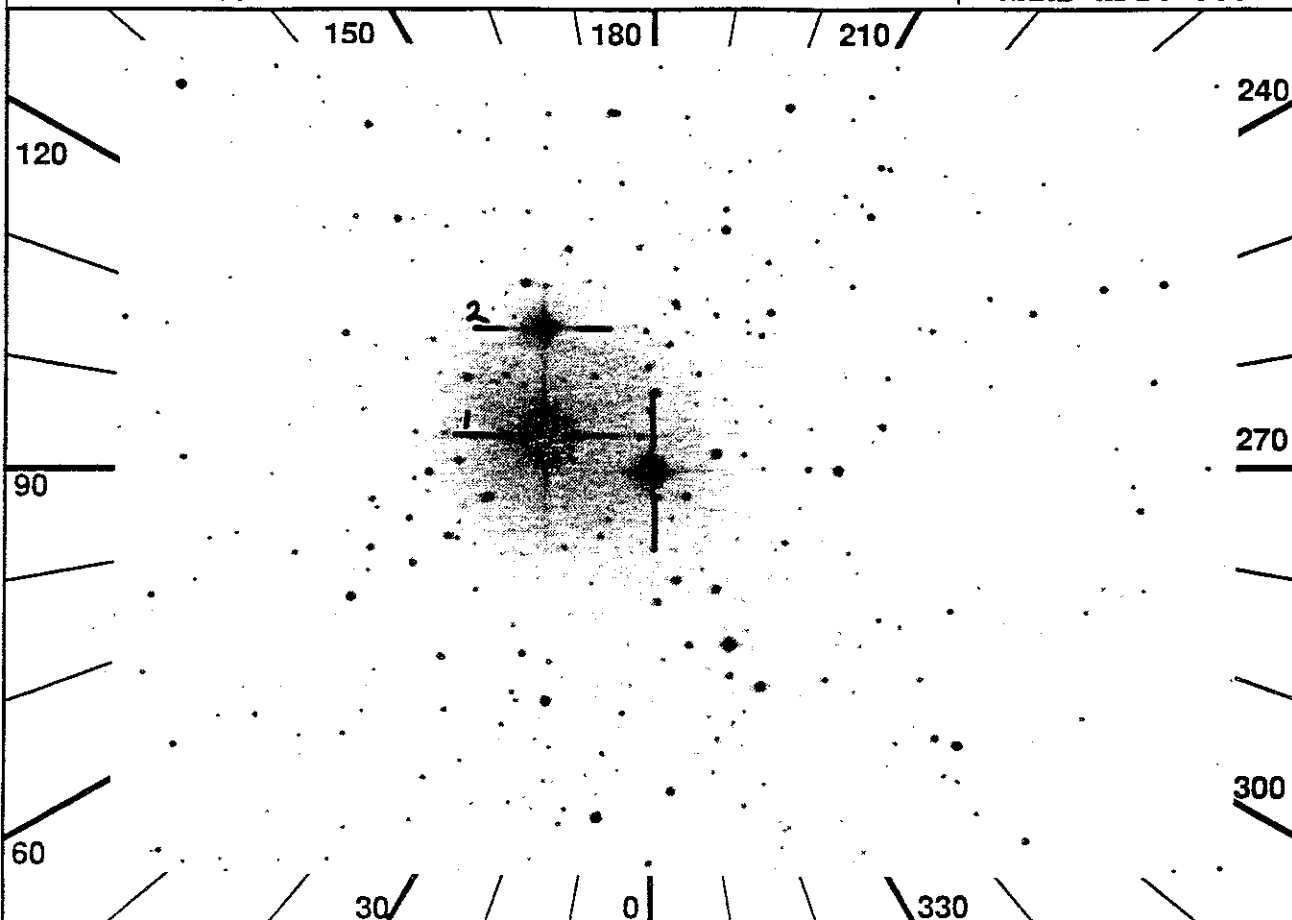
UIT
Observation Description

1 RA 245.6003 DEC -23.3468 ROLL 26.10

ID 4543-10

2 TIME 1165

NAME HD147888

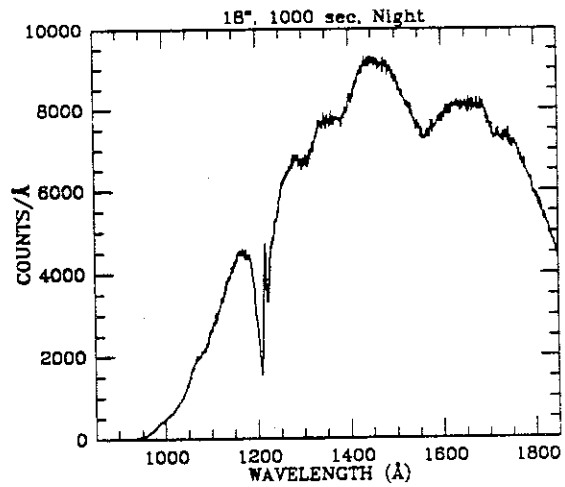


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	320	src	sim	7	7	4.7	5	7	1	---	7	2	---	---	PHDMON
4	P	W 199	aut	aut	7	6	4.8		8	6	---	---	---	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	AS2DF4
6	U								20							IMC BEGIN
7	U	UAC							21							HUT ITEM 5
8	U								22							All BEGIN
9	U								23	JOB						Observe
10	I								24	H						HUT will dither to ss
11	I								25	H						mode for part of obs.
12	I								26	JAC						All PREVIEW
13	I								27							All QUIT
14	I								28							NOTE: defect Center 12x12
15	JAC								29	JAC						ITEM 16 0
16									30	I						Config H W U
17									31	U						-----
18	JAC								32	U	UAC					All SETUP
19	U								33	U						Chk Stat -LOC -LOC STB
																* IF next obj not V-BRT
																* ITEM 43, Chk Door O*

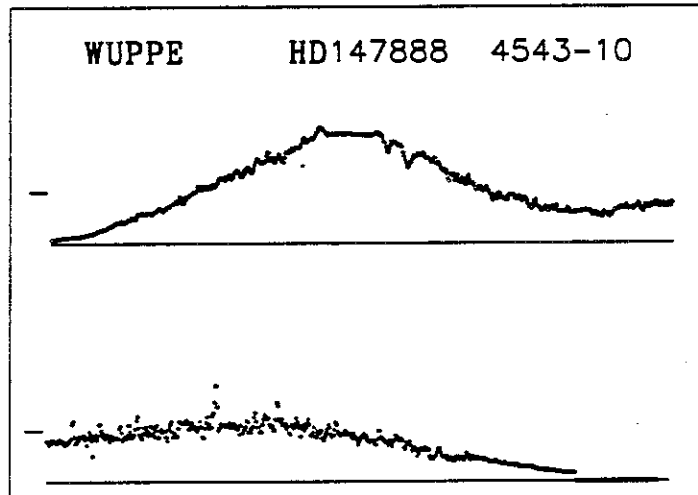
3

OBJECT: 4543 HD147888
KEYWORDS: B3 V, extinction program.
COMMENTS:
A bit cool for HUT extinction prog
but may be useful.

Will take pulse height data as well.



ID: 4543-10
Names: HD147888
Type: B5V
% Pol: 2.95
Pol Var:
Pos Ang: 52.0
Mechanism: interstellar
extinction
Comments: very large polari-
zation and long (7300)
lambda max.



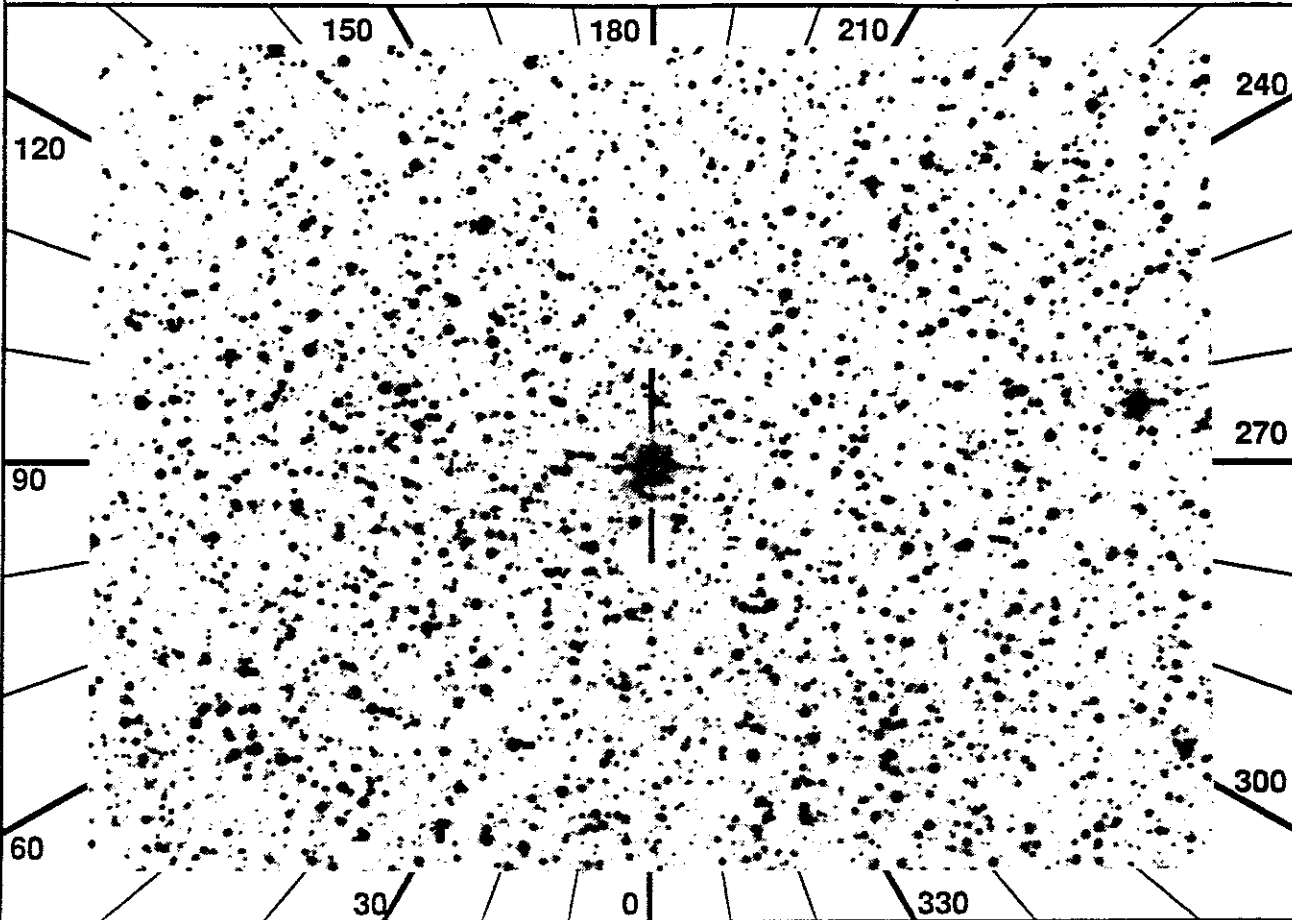
UIT
Observation Description

1 RA 255.4475 DEC -20.4261 ROLL 231.54

ID 4545-10

2 TIME 1467

NAME HD154204



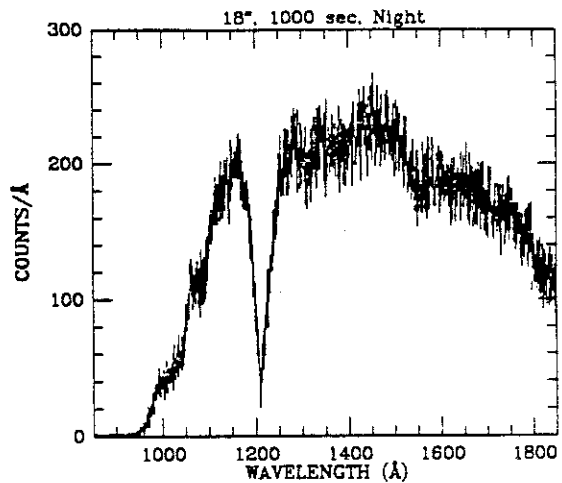
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	60	src	sim	7	7	3.4	2	7	4	---	7	2	---	SMALAP	PHDMON	
4	S	W	200	aut	aut	6	6	5.2	8	6	---	---	---	---			
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT		
6	U		(At beginning of slew)						20	H	JAC	ITEM 16_0					
7	U	UAC	*IF UIT Door O*						21		JOB	Observe					
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_0					
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

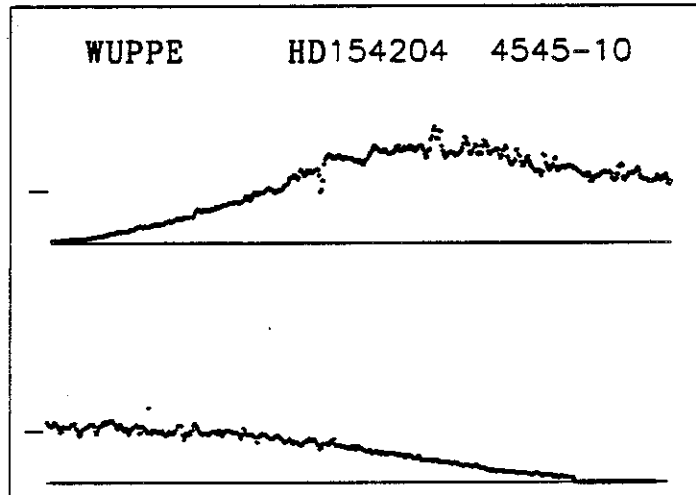
OBJECT: 4546 HD154204
KEYWORDS: ~B6 V, extinction program
COMMENTS:
Rather cool for HUT extinction prog.

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

Will also take pulse height data.



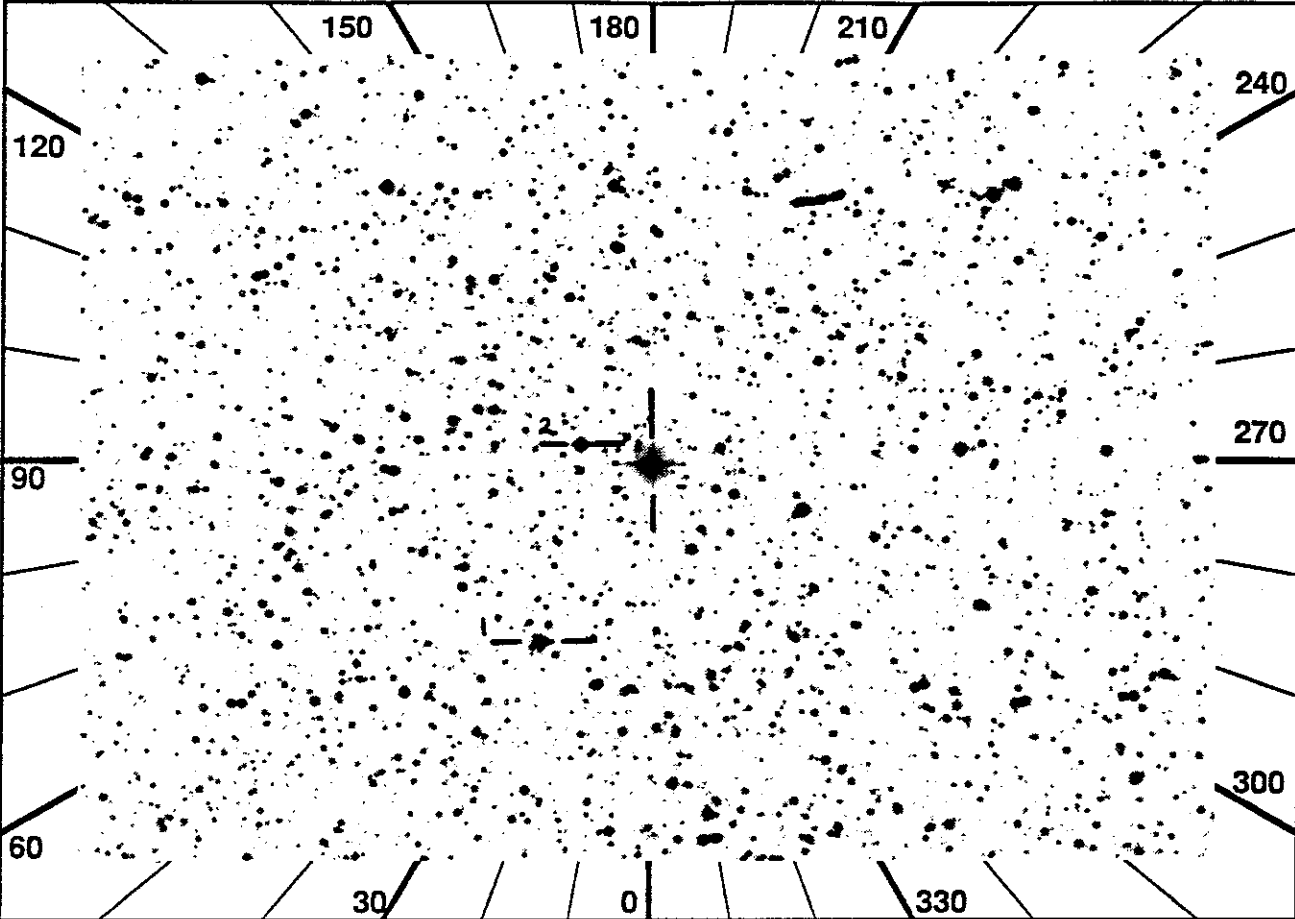
.ID: 4545-10
Names: HD154204
Type: B6IV
% Pol: 1.75
Pol Var:
Pos Ang: 57.0
Mechanism: interstellar
extinction
Comments: non-extraordinary
IS extinction properties.
IUE data used for simulated
spectrum is that of 23 Tau.



UIT
Observation Description

1 RA 266.5024 DEC -2.1808 ROLL 116.88
 2 TIME 2029

ID 4549-10
 NAME HD161961

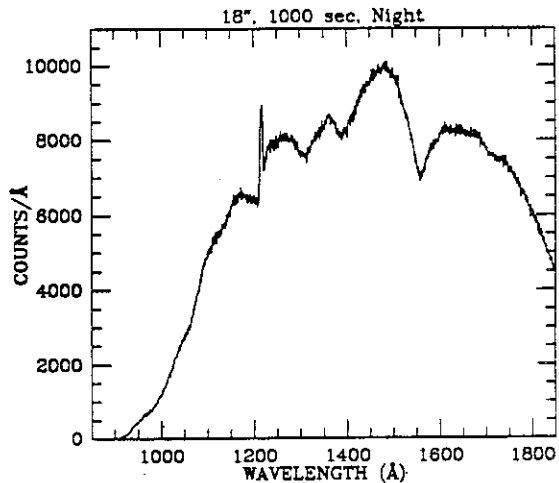


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	305	src	sim	8	11	4.8	5	7	1	---	---	---	---	DOOR4	
4	S	W	192	aut	aut	8	7	4.4	8	6	---	---	---	---		
5	U	180	DT	-	T	F	62	a1	62	b1	31	b5	-	-	-	-
6	JAC	ITEM 16 0				15	H	HOP	400 sec after BEGIN,							
7		Config H W U				16	H		ITEM 42 2 (50 cm2 door)							
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 6I 0_0								
12		HUT ITEM 5				21	H	JAC	ITEM 16 I_0							
13		All BEGIN				22	All QUIT									
14	JOB	Observe				23	-----									

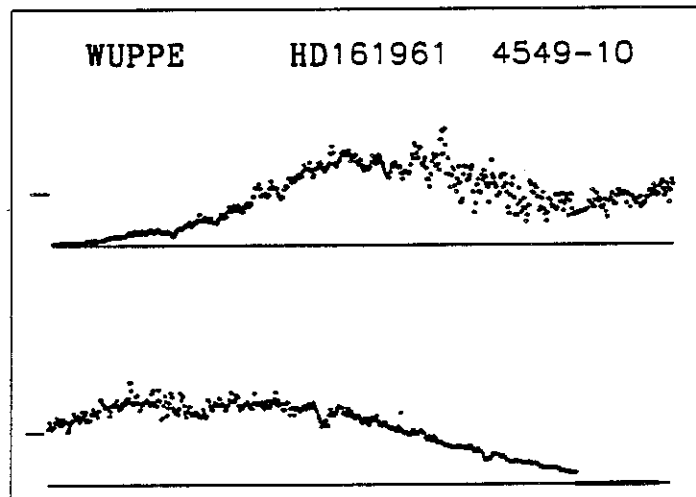
door cal
 2

OBJECT: 4549 HD161961
KEYWORDS: B0.5 III, extinction prog
COMMENTS:
Will be used for HUT relative door
state flux calibration: full aperture
vs. 50 cm².

Will also be useful for HUT
extinction program.



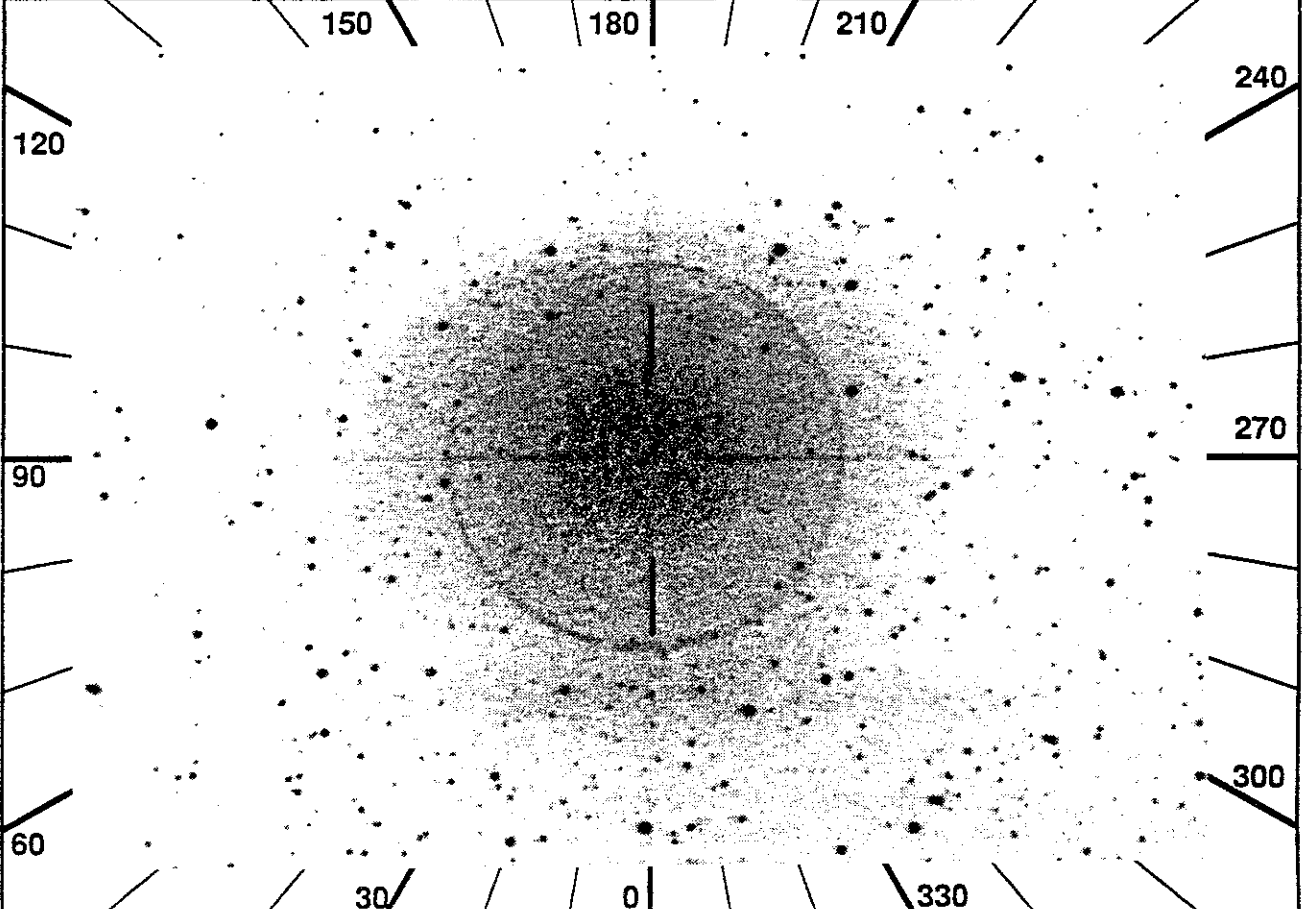
ID: 4549-10
Names: HD161961
Type: B0III
% Pol: 2.30
Pol Var:
Pos Ang: 75.0
Mechanism: interstellar
extinction
Comments: extreme value of
extinction at the 2200Å
bump.
IUE data used for simulated
spectrum is that of HD191396.



UIT
Observation Description

1 RA 248.6006 DEC -10.4674 ROLL 121.87
 2 TIME 1118

ID 4554-10
 NAME ZET-OPH



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	192	src sim	3	3	3.6	1	7	4	---	7	2	---	---	1CM AP	PHDMON
4	P	W 202	aut aut	3	1	7.1		8	6	---	---	---	---			
5	U	99	DT -	T F	-	-	-	-	-	-	-	-	-	-	-	V-BRT

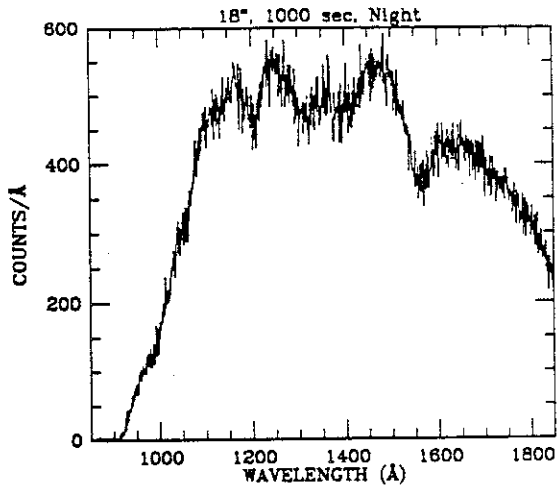
6 U	(At beginning of slew)	22 H	When log P < -5.5
7 U	UAC *IF UIT Door O*	23 H	ITEM 16_0 Repeat.
8 U	* ITEM 44, Chk Door C*	24 H	(Cycle pump thru obs)
9 U	Expect UIT SET,OBS err	25	JOB Observe
10 H	JAC VIP ON until at obs slit	26 H	HUT will dither to ss
11	Config H W U	27 H	mode for part of obs.
12	-----	28	JAC All PREVIEW
13	JAC All SETUP	29 H	HDC (just prior to QUIT)
14 J	Chk Stat - -LOC STB	30 H	ITEM 61_0 (ND6 filt)
15 H	TV Verify HUT acq on TV	31 H	Check 6I_0_0
16	JAC IMC BEGIN	32 H	JAC ITEM 16_I
17	HUT ITEM 5	33	All QUIT
18	All BEGIN	34	-----
19 H	HSP When actual slit pos=7	35 U	(During slew)
20 H	JAC ITEM 16_0 (T = 0 sec)	36 U	UAC *IF next obj not V-BRT
21 H	ITEM 16_1 (T = 100 sec)	37 U	* ITEM 43, Chk Door O*

extinction program
 ★ PUMP CYCLING CRITICAL TO HUT DETECTOR SAFETY
 |

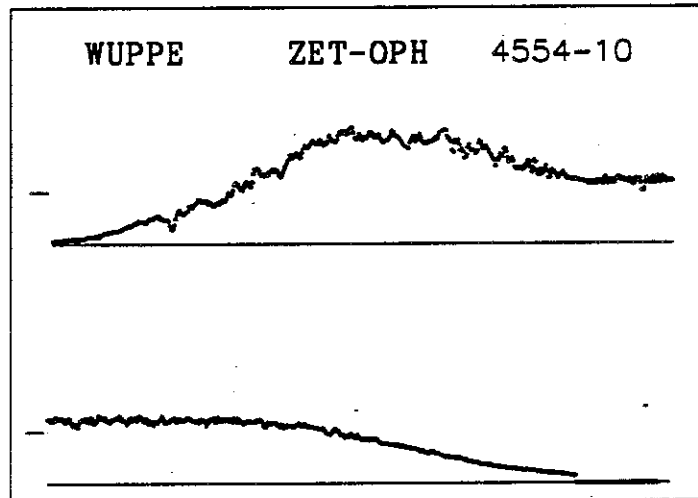
OBJECT: 4554 ZET-OPH
KEYWORDS: 09.5 V, extinction program
COMMENTS:
Good for HUT extinction program as well

1 cm**2 aperture observation; careful with pump, detector ops; regular cycling of pump throughout probably required.

Will dither often to pulse height mode.



ID: 4554-10
Names: ZET-OPH HD149757
Type:
% Pol: 0.97
Pol Var:
Pos Ang: 131.0
Mechanism: interstellar extinction
Comments: intermediate value of lambda max.
Polz'n previously measured in UV during balloon launch (Gehrels, 1974, AJ 79).
NOTE: DETECTOR IN FAST MODE-- DO NOT EXPECT ON-LINE SPECTRUM.



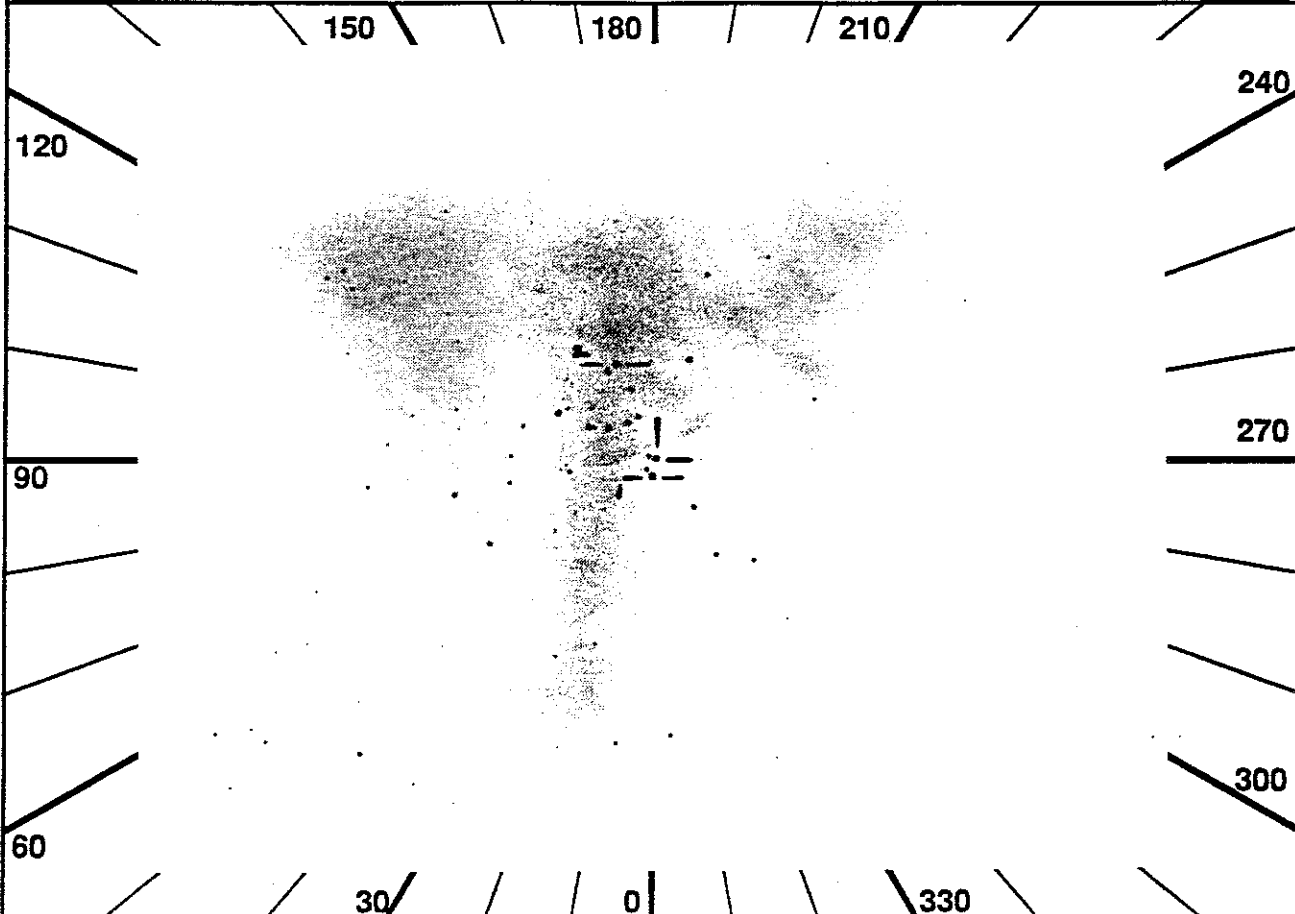
UIT
Observation Description

1 RA 273.9413 DEC -13.8144 ROLL 98.02

ID 4579-10

2 TIME 2062 MANOPS

NAME W197-M16

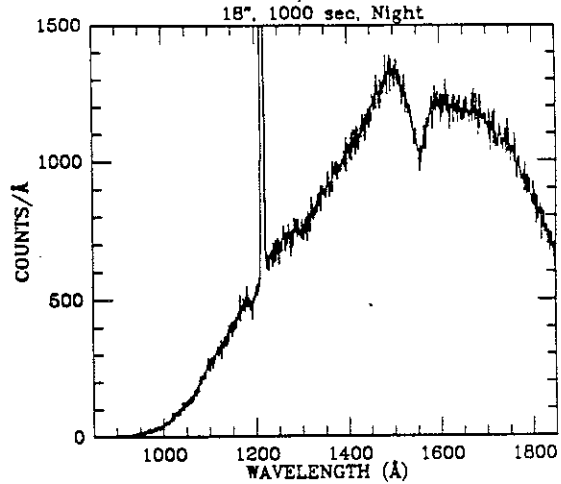


SEQ	LOC	OBS	MAG	LGR	D	A FM OF	A FM OF	A FM OF	ALT1	ALT2	
3	H	106	src sim	9	10	3.8	5	7 1 ---	7 2 ---	--- ---	PHDMON
4	P	W 278	fld aut	9	9	4.0		8 6 ---	---	---	FLDLOC
5	U	203	DT -	T F	31 a1	31 b1	31 b5	- - -	- - -	- - -	AS2DFD
6	I		CMD WRI_3900			F0021FE7		19	W		WUP ITEM 4 (Cur off)
7	I		CMD WRI_3900					20	W		WUP ITEM 11_Z (Zoom)
8	I		F007F0010FA0			(4s upd)		21	W		Chk WUP Stat -LOC
9	JAC		ITEM 16 0					22			All BEGIN
10			Config H W U					23	JOB		Observe
11			-----					24	H		HUT will dither to ss
12	JAC		All SETUP					25	H		mode for part of obs.
13	W		Chk Stat -LOC			CUR RDY		26	JAC		All PREVIEW
14			IMC BEGIN					27			All QUIT
15			HUT ITEM 5					28			-----
16	W		*IF WUP acq incorrect					29	JAC		ITEM 16_1
17	W		* WUP PFK cur to target					30	I		CMD ISS_3908 (1s upd)
18	W		* WUP ITEM 6 (Ctr)					31	I		CMD ISS_3928

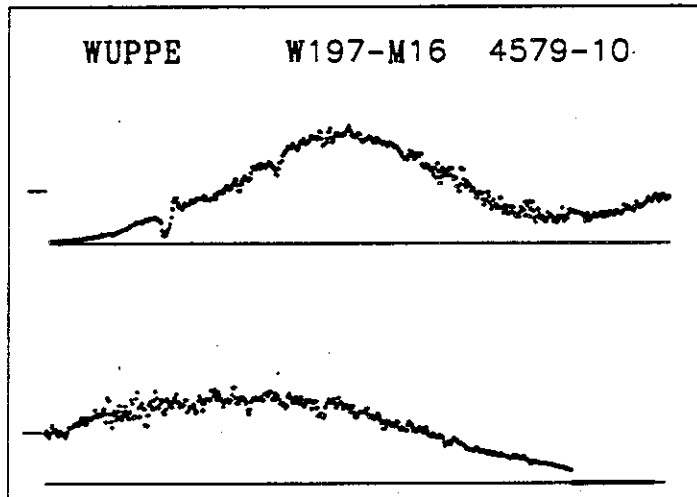
extinction program
2

OBJECT: 4579 W197-M16
KEYWORDS: OB, WUPPE extinction prog
COMMENTS:
Highly reddened, mostly long
wavelength counts for HUT.

Will take pulse height data as well.



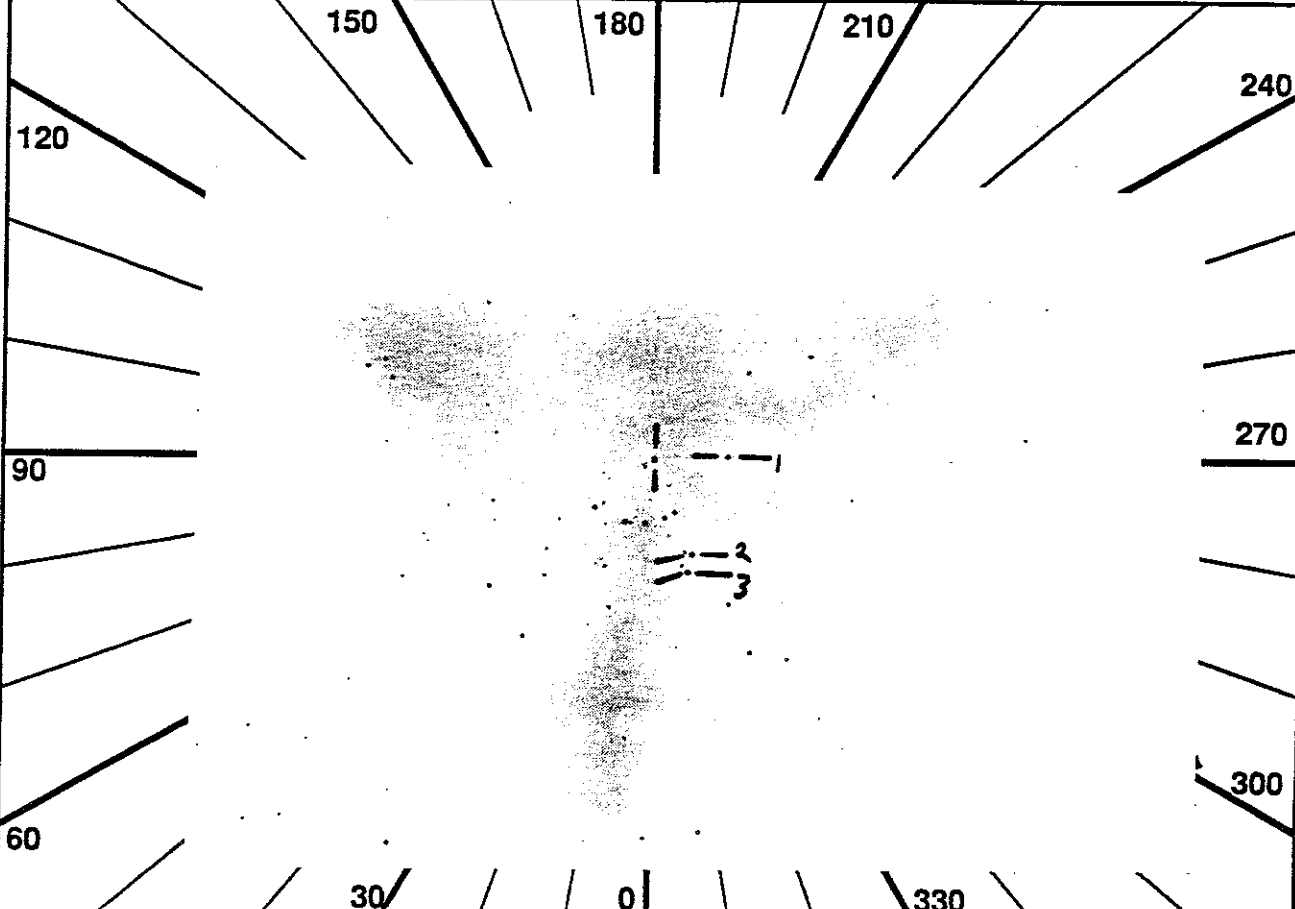
ID: 4579-10
Names: W197-M16 HD168075
Type: O7-8
% Pol: 3.1
Pol Var:
Pos Ang: 78
Mechanism:
Comments: Dust probe in young
star formation region;
E(B-V) ~0.75.



UIT
Observation Description

1 RA 273.9583 DEC -13.7761 ROLL 203.75
 2 TIME 1653

ID 4580-10
 NAME W246-M16

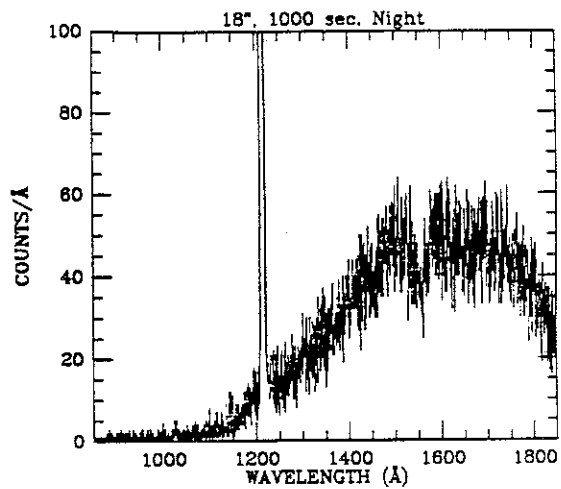


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	64	src sim	10	10	2.8	5	7	4	---	7	2	---	---	---	PHDMON
4	P	W	204	aut	aut	10	10	3.0	8	6	---	---	---	---	---	
5	U	203	DT	-	T	F	31	a1	31	b1	31	b5	-	-	-	AST4SC
6	I		CMD	WRI	3900				16							All BEGIN
7	I			F007F0010FA0	(4s upd)				17	JOB						Observe
8	I	IMC	CHK	AST	WAC	incr	once/4s		18	H						HUT will dither to ss
9		JAC	ITEM	16	0				19	H						mode for part of obs.
10			Config	H	W	U			20	JAC						All PREVIEW
11			-----						21							All QUIT
12		JAC	All	SETUP					22							-----
13			Chk	Stat	-LOC	-LOC	RDY		23	JAC						ITEM 16_1
14			IMC	BEGIN					24	I						CMD ISS_3908 (1s upd)
15			HUT	ITEM	5											

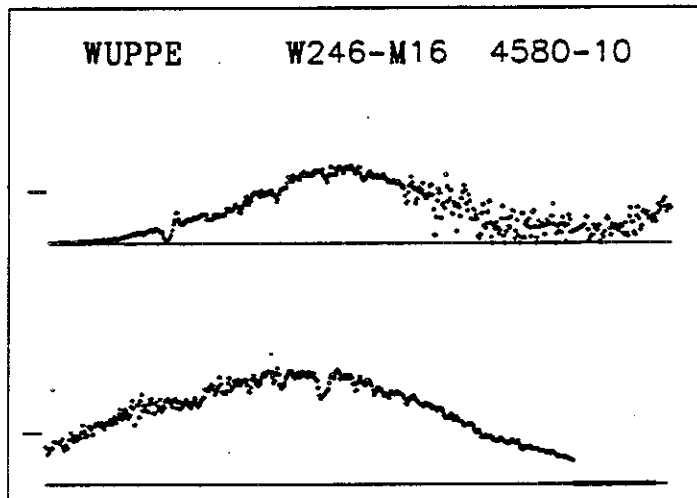
3

OBJECT: 4580 W246-M16
KEYWORDS: OB, WUPPE extinction prog
COMMENTS:
Highly reddened, mostly long
wavelength counts for HUT.

Will take pulse height data as well.



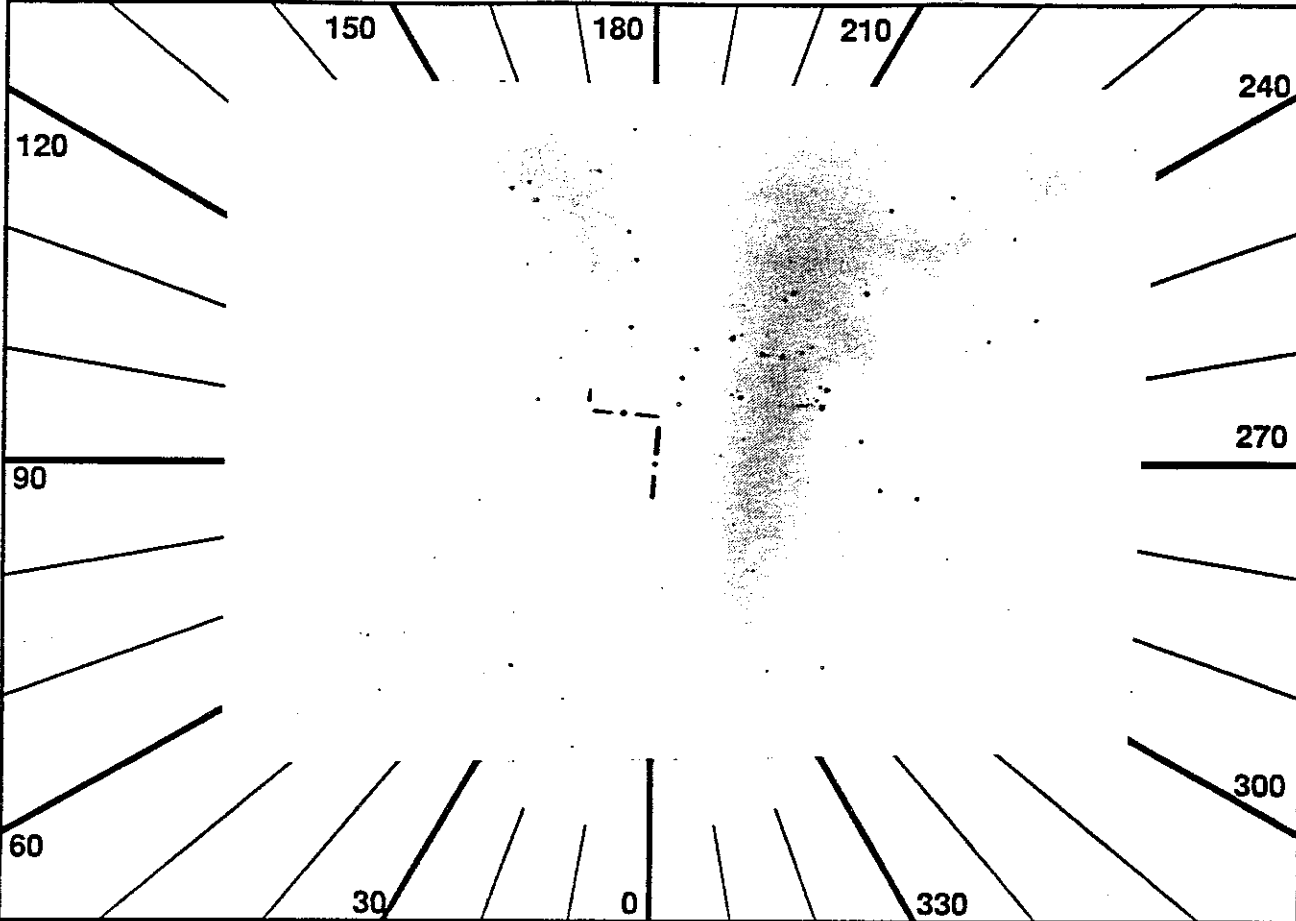
ID: 4580-10
Names: W246-M16 C13D4927
Type: O9
% Pol: 5.0
Pol Var:
Pos Ang: 66
Mechanism:
Comments: Dust probe in young
star formation region;
E(B-V)~1.14 (most reddened
target).



UIT
Observation Description

1 RA 274.0104 DEC -13.8497 ROLL 346.44
 2 TIME 2076

ID 4582-11
 NAME W367-M16



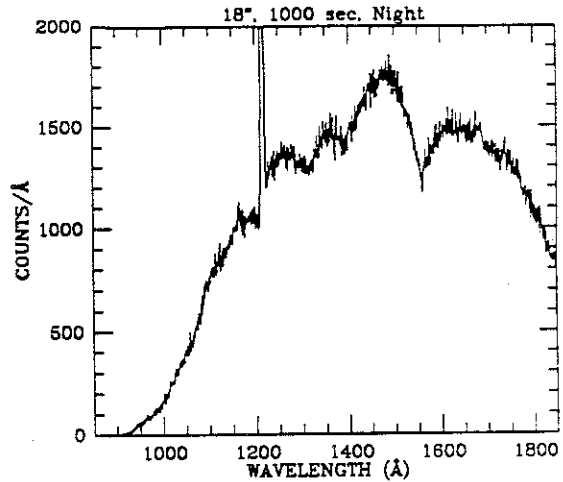
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	308	src sim	10	10	4.0	5	7	1	---	5	1	---	---	---	---
4	S	W 203	aut aut	9	9	3.8		8	6	---	---	---	---	---	---	---
5	U	183	DT -	T F	156	b1	31	b5	-	-	-	-	-	-	-	AS2DFE
6	I		CMD WRI_3900	F0020431				15								HUT ITEM 5
7	I		CMD WRI_3900					16								All BEGIN
8	I		F007F0010FA0	(4s upd)				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					23	I							CMD ISS_3928

Caf₂ calibration

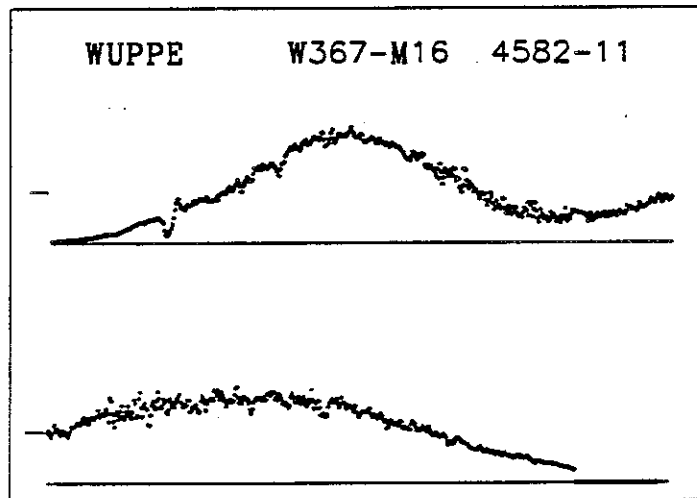
2

OBJECT: 4582 W367-M16
KEYWORDS: O9.5 V, WUPPE extinction prog
COMMENTS:
Fairly reddened, but still useful
for HUT extinction program.

Will take pulse height data as well
on second pointing, 4582-12.



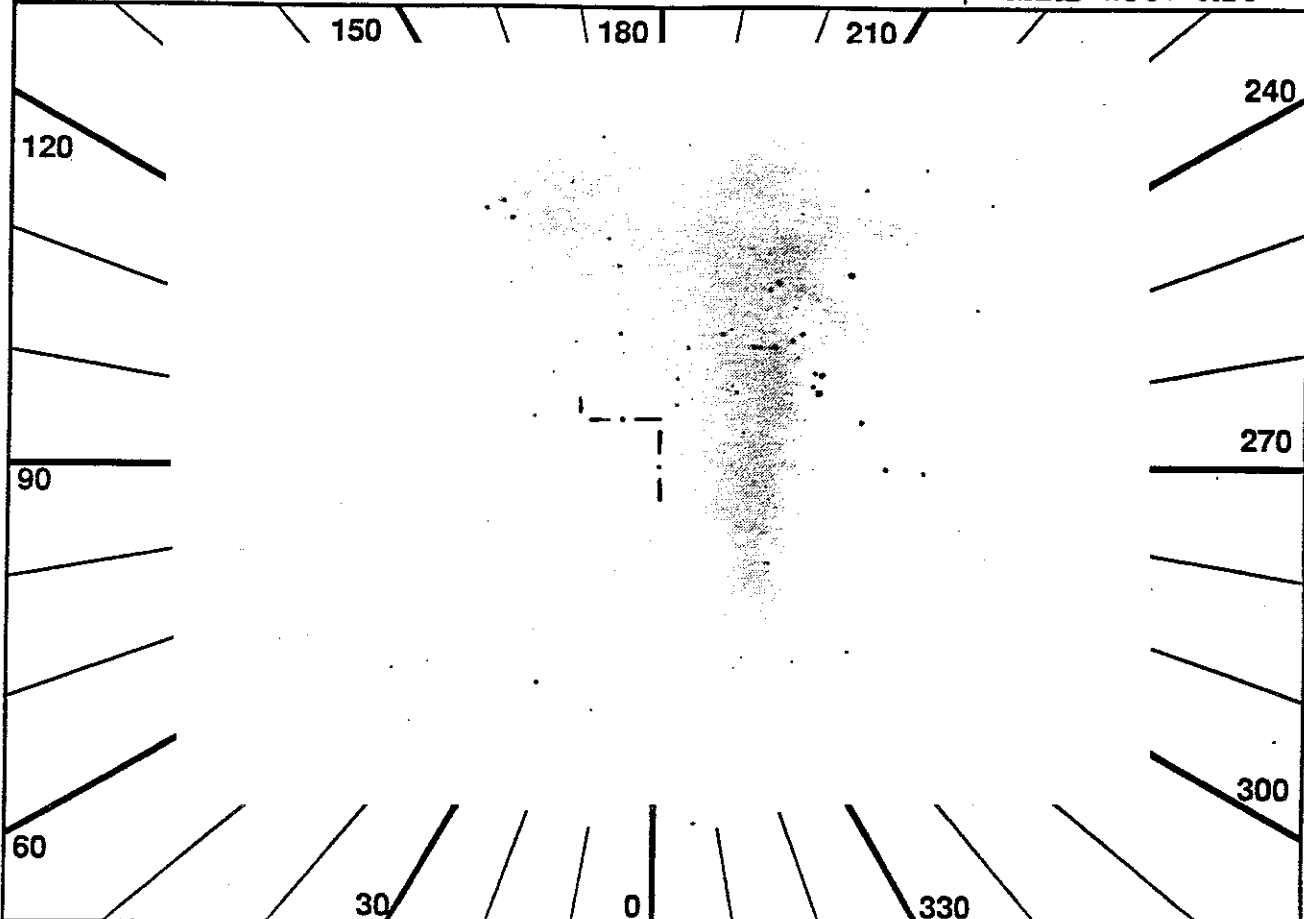
ID: 4582-11
Names: W367-M16 C13D4930
Type: O9.5V
% Pol: 2.0
Pol Var:
Pos Ang: 78
Mechanism:
Comments: Dust probe in young
star formation region;
E(B-V)~0.56 (least reddened
target).
IUE data used for simulated
spectrum is that of W197-M16.



UIT
Observation Description

1 RA 274.0103 DEC -13.8497 ROLL 346.44
 2 TIME 1981

ID 4582-12
 NAME W367-M16



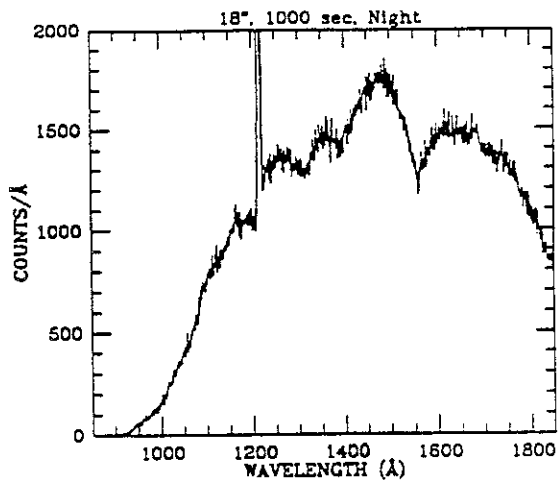
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	325	src sim	10	10	4.0	5	7	1	---	7	2	---	---	---	PHDMON
4	P	W 203	aut aut	9	9	3.8		8	6	---	---	---	---	---		
5	U	195	DT -	T	F	156	a1	31	b5	-	-	-	-	-	-	AS2DFE
6	I		CMD WRI_3900	F0020431				16								All BEGIN
7	I		CMD WRI_3900					17								JOB Observe
8	I		F007F0010FA0	(4s upd)				18	H							HUT will dither to ss
9	JAC		ITEM 16	0				19	H							mode for part of obs.
10			Config H W U					20	JAC							All PREVIEW
11			-----					21								All QUIT
12	JAC		All SETUP					22								-----
13			Chk Stat	-LOC -LOC	RDY			23	JAC							ITEM 16 1
14			IMC BEGIN					24	I							CMD ISS_3908 (1s upd)
15			HUT ITEM 5					25	I							CMD ISS_3928

if first Cat 2 missed, don't here

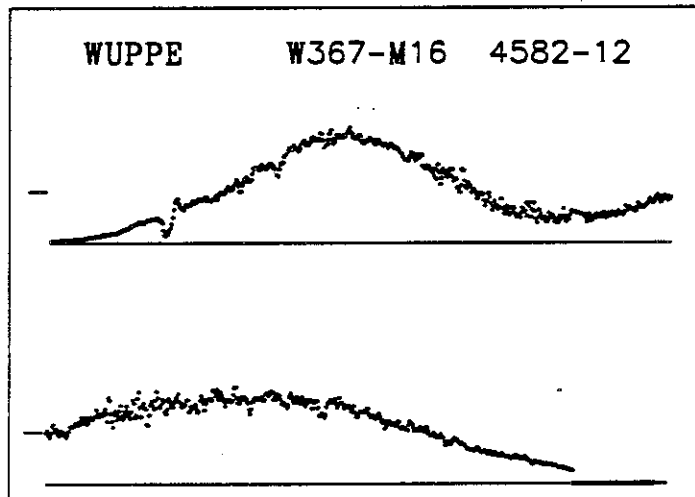
2

OBJECT: 4582 W367-M16
KEYWORDS: O9.5 V, WUPPE extinction prog
COMMENTS:
Fairly reddened, but still useful
for HUT extinction program.

Will take pulse height data as well
on second pointing, 4582-12.



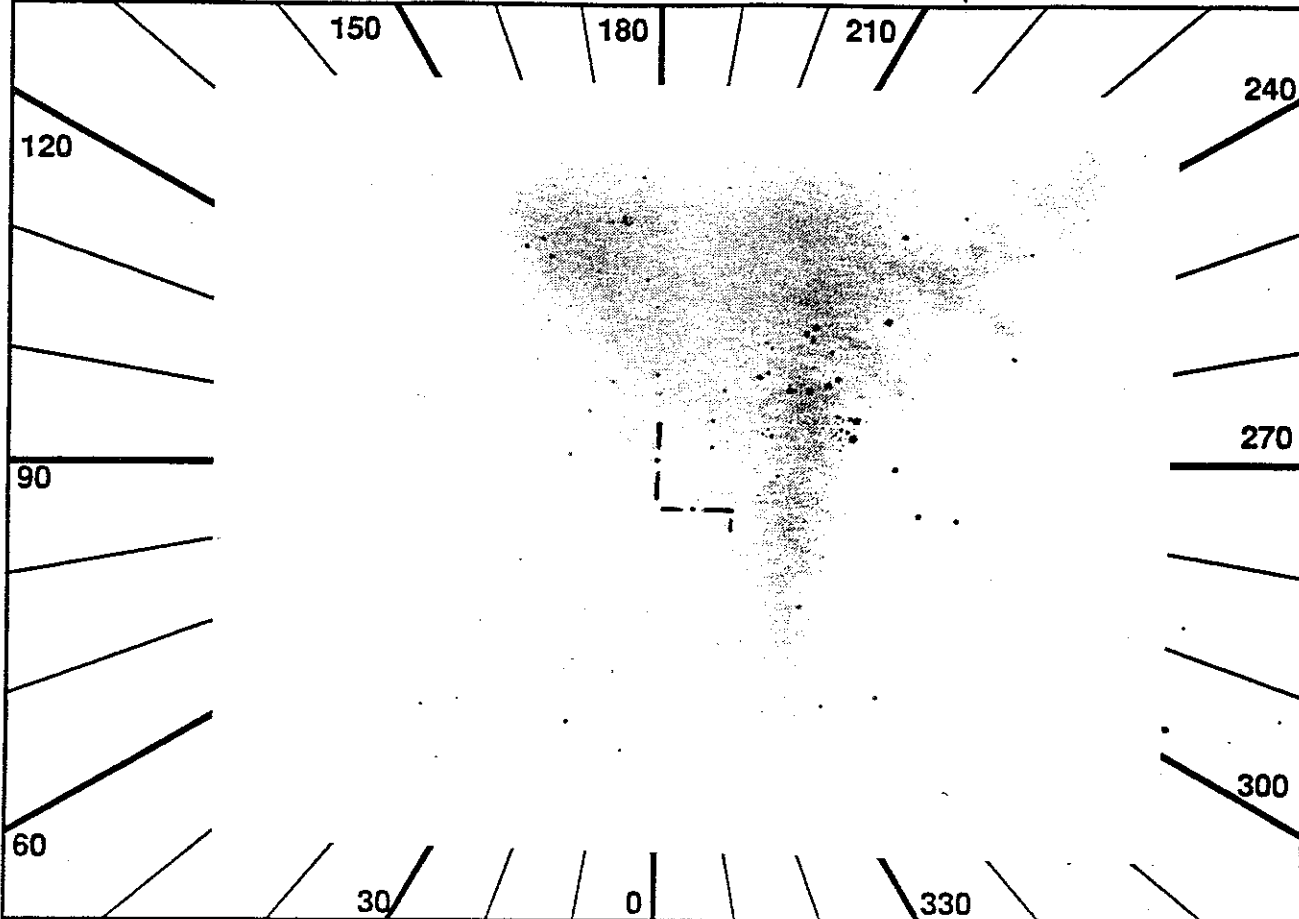
ID: 4582-12
Names: W367-M16 C13D4930
Type: O9.5V
% Pol: 2.0
Pol Var:
Pos Ang: 78
Mechanism:
Comments: Dust probe in young
star formation region;
E(B-V)~0.56 (least reddened
target).
IUE data used for simulated
spectrum is that of W197-M16.



UIT
Observation Description

1 RA 274.0250 DEC -13.8299 ROLL 22.99
 2 TIME 2179

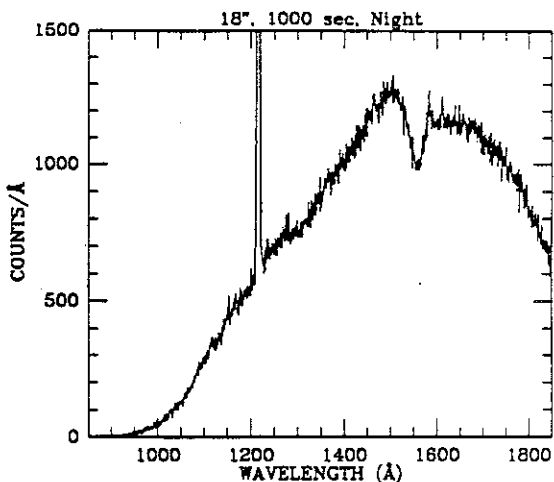
ID 4583-10
 NAME W401-M16



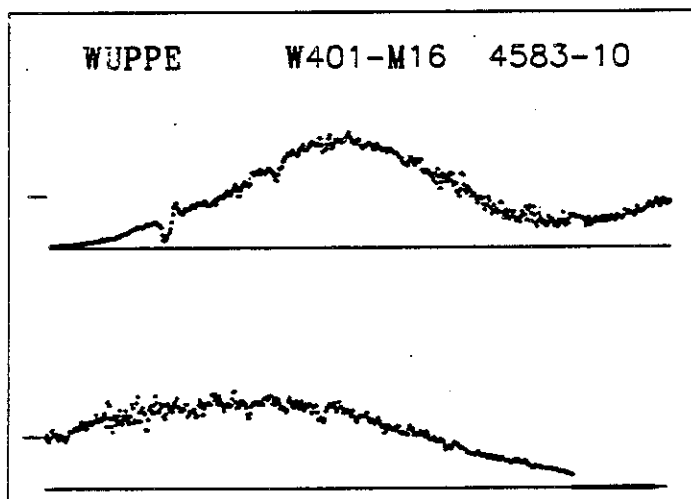
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	124	src	sim	10	10	3.8	5	7	1	---	5	1	---		
4	S	W	206	aut	aut	9	8	4.0	8	6	---					
5	U	255	DT	-	T	F	31	a1	31	b1	62	b5	-	-	-	AS2DFM
6	I		CMD	WRI	3900	F0025385			15			HUT	ITEM	5		
7	I		CMD	WRI	3900	F0025388			16			All	BEGIN			
8	I		CMD	WRI	3900	F0025088			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	3928		
14			IMC	BEGIN												

*Cat₂ cal
 extinction program
 2*

OBJECT: 4583 W401-M16
KEYWORDS: O8, WUPPE extinction prog
COMMENTS:
Highly reddened, mostly long
wavelength counts for HUT.



ID: 4583-10
Names: W401-M16 HD168137
Type: O9
% Pol: 2.7
Pol Var:
Pos Ang: 74
Mechanism:
Comments: Dust probe in young
star formation region;
E(B-V) ~ 0.70.



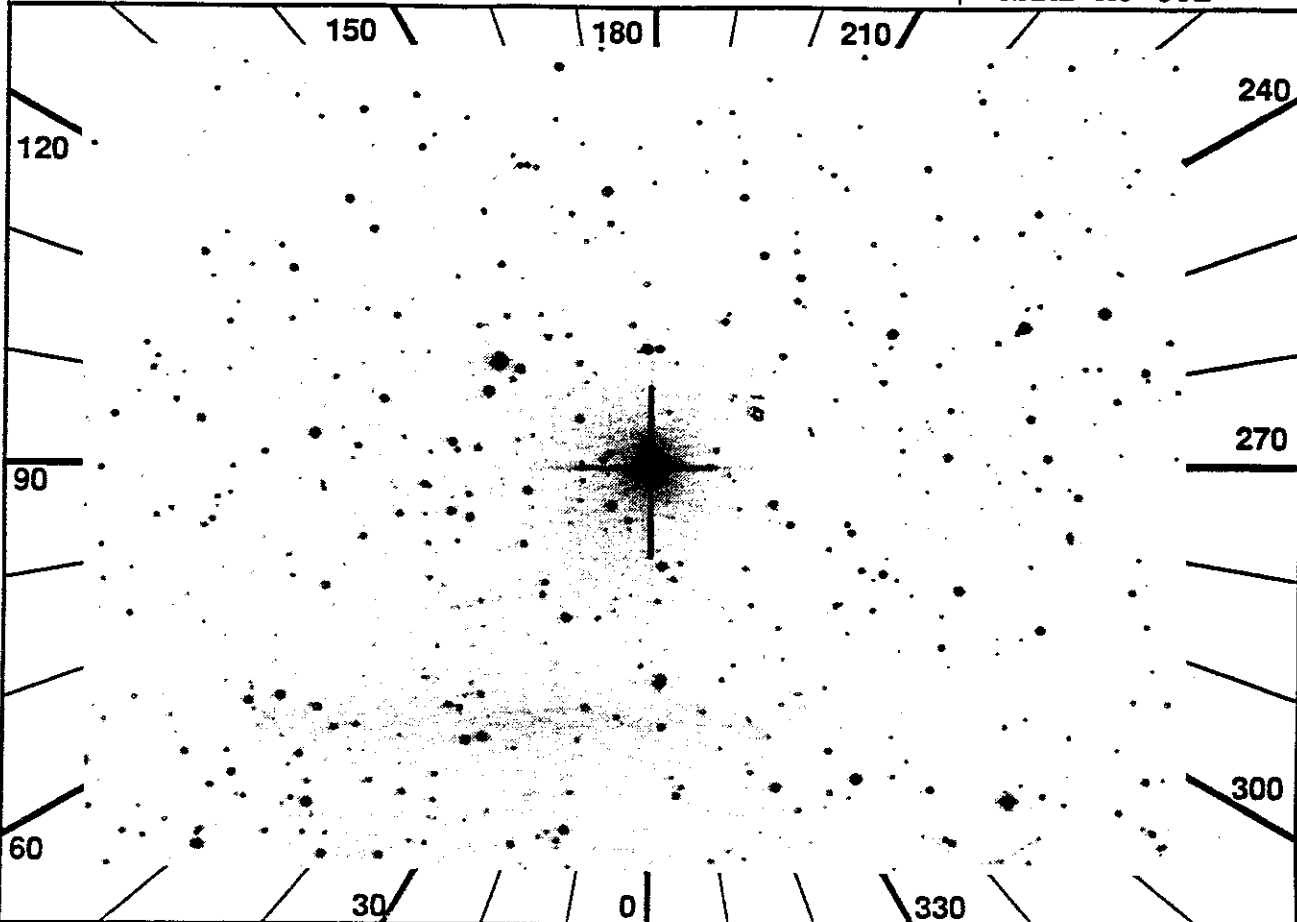
UIT
Observation Description

1 RA 86.0347 DEC -32.3243 ROLL 90.00

ID 4647-10

2 TIME 1431

NAME MU-COL



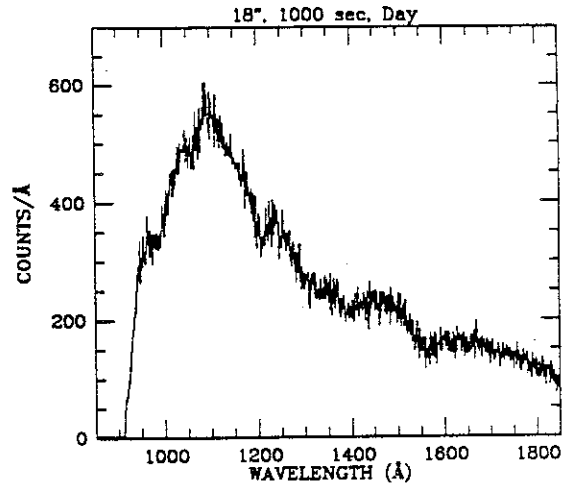
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	367	src	sim	6	6	3.4	1	7	4	---	---	---	1CMSAA	
4	W	294	aut	aut	5	2	6.6		8	6	---	---	---			
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	
6	U								23	H	HSP	When	actual	slit	pos=7	
7	U	UAC							24	H	JAC	ITEM	16_0	(T = 0 sec)		
8	U								25	H		ITEM	16_1	(T = 100 sec)		
9	U								26	H		When	log P	< -5.5		
10	H	JAC							27	H		ITEM	16_0	Repeat.		
11									28	H		(Cycle	pump	thru	obs)	
12									29		JOB	Observe				
13	H	-							30		JAC	All	PREVIEW			
14	JAC								31	H	HDC	(just	prior	to	QUIT)	
15	J								32	H		ITEM	61_0	(ND6	filt)	
16	H	TV							33	H		Check	6I_0_0			
17	JAC								34	H	JAC	ITEM	16_1_			
18									35			All	QUIT			
19	H	-							36							
20	H	JAC							37	U		(During	slew)			
21	H								38	U	UAC	*IF	next	obj	not	V-BRT
22									39	U		* ITEM	43,	Chk	Door	O*

extinction program

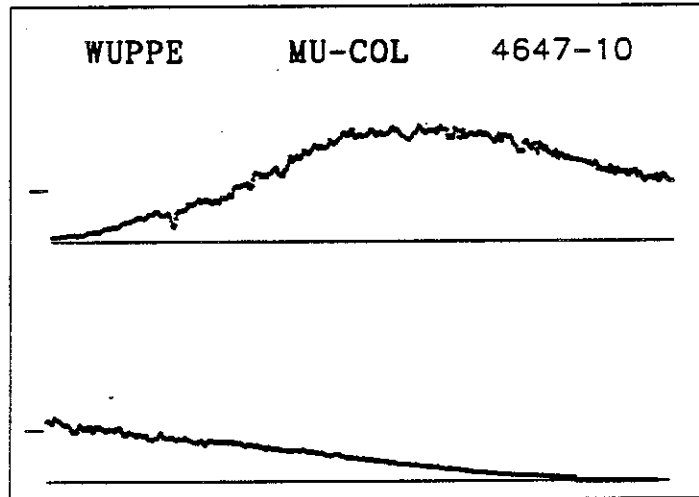
CRITICAL HUT DETECTOR SAFETY

OBJECT: 4647 MU-COL
KEYWORDS: O9.5 IV, HUT extinction prog
COMMENTS:
Unreddened standard for HUT
pair-method extinction program. so
very important.

1 cm**2 aperture observation, so will
probably require regular cycling of
pump throughout observation.



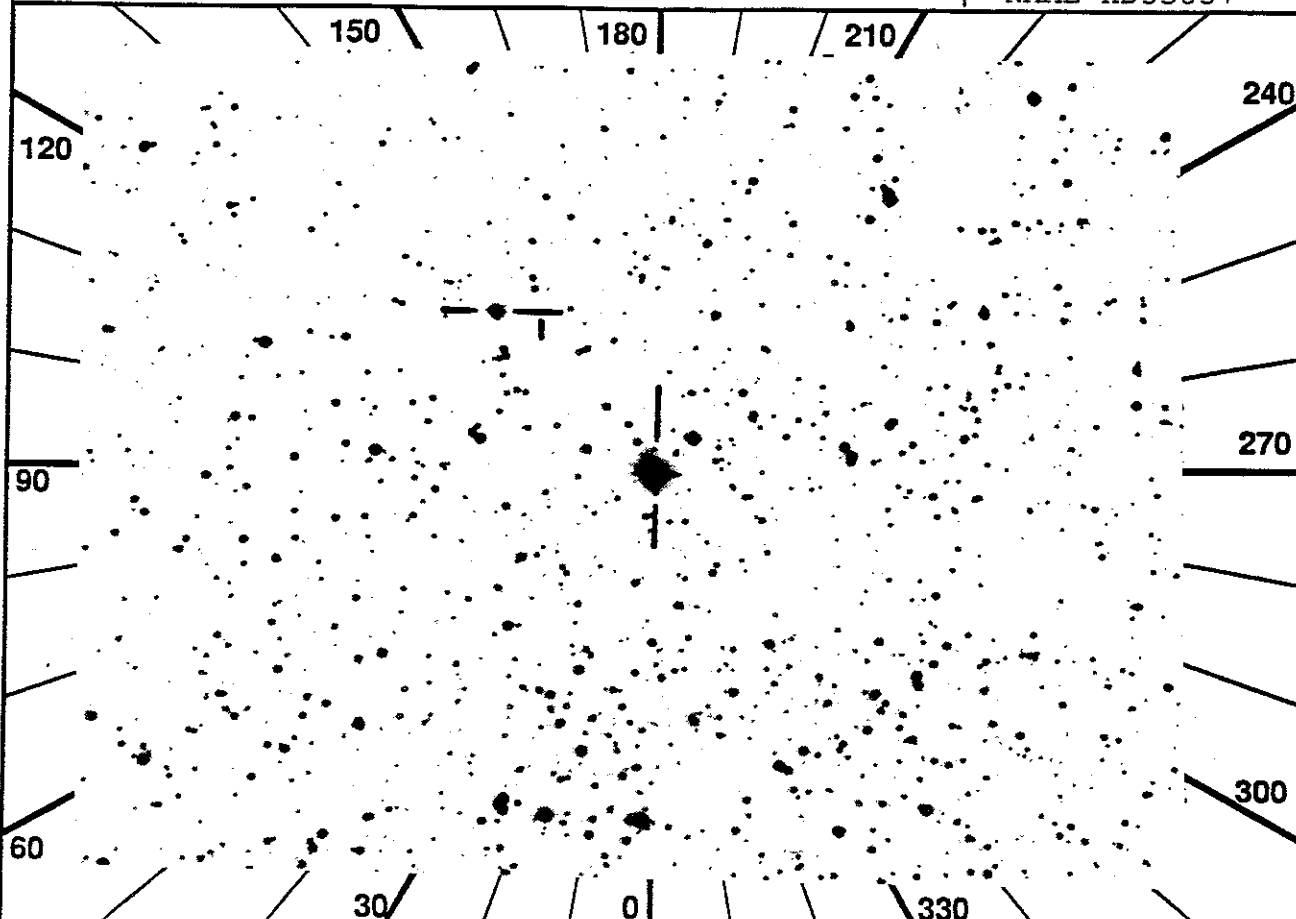
ID: 4647-10
Names: MU-COL HD38666
Type: O9.5IV
% Pol: 0.06
Pol Var:
Pos Ang: 13.8
Comments: HUT prime ISM probe
Nearby hot stars
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



UIT
Observation Description

1 RA 107.8977 DEC -27.2697 ROLL 90.00
 2 TIME 683

ID 4656-10
 NAME HD55857



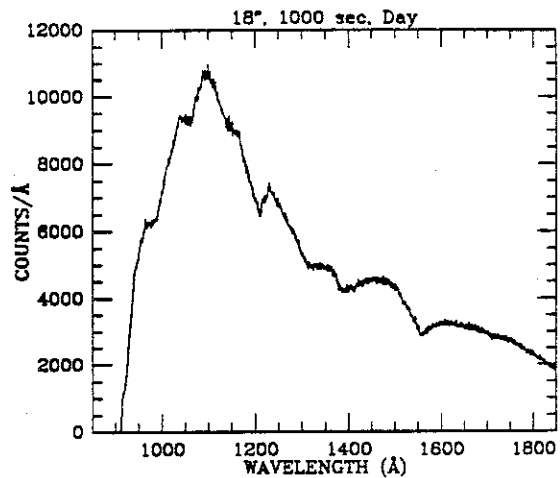
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	363	src sim	7	9	4.7	2	7	1	---	---	---	---	---	SMALAP	
4	W	142	aut aut	6	3	6.2		8	6	---	---	---	---			
5	U	99	DT -	T F	-	-	-	-	-	-	-	-	-	-	V-BRT	
6	U		(At beginning of slew)				19	H	HSP	When actual slit pos=7						
7	U	UAC	*IF UIT Door O*				20	H	JAC	ITEM 16_0						
8	U		* ITEM 44, Chk Door C*				21		JOB	Observe						
9	U		Expect UIT SET,OBS err				22		JAC	All PREVIEW						
10	H	JAC	VIP ON until at obs slit				23	H	HDC	(just prior to QUIT)						
11			Config H W U				24	H		ITEM 61_0 (ND6 filt)						
12			-----				25	H		Check 6I_0_0						
13	JAC		All SETUP				26	H	JAC	ITEM 16 I_						
14	J		Chk Stat - -LOC STB				27			All QUIT						
15	H	TV	Verify HUT acq on TV				28			-----						
16	JAC		IMC BEGIN				29	U		(During slew)						
17			HUT ITEM 5				30	U	UAC	*IF next obj not V-BRT						
18			All BEGIN				31	U		* ITEM 43, Chk Door O*						

extinction program

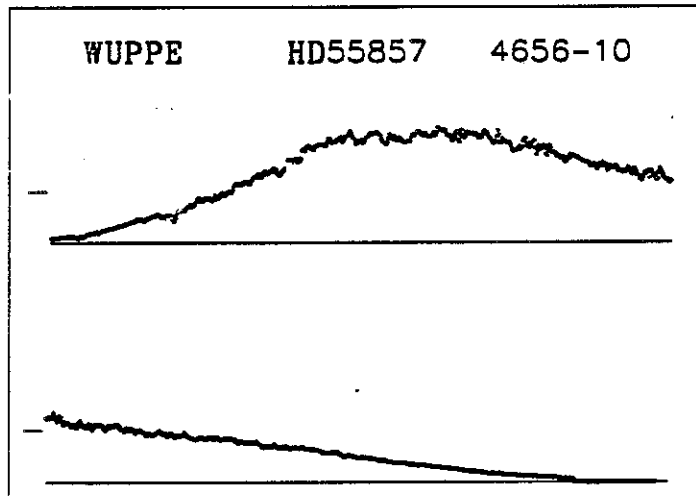
1

OBJECT: 4656 HD56857
KEYWORDS: B0.5 V, HUT extinction prog.
COMMENTS:
Unreddened standard for HUT
pair method extinction program, so
very important.

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



ID: 4656-10
Names: HD55857
Type: B0.5V
% Pol: ?
Pol Var:
Pos Ang:
Comments: HUT prime ISM probe
Nearby hot stars
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



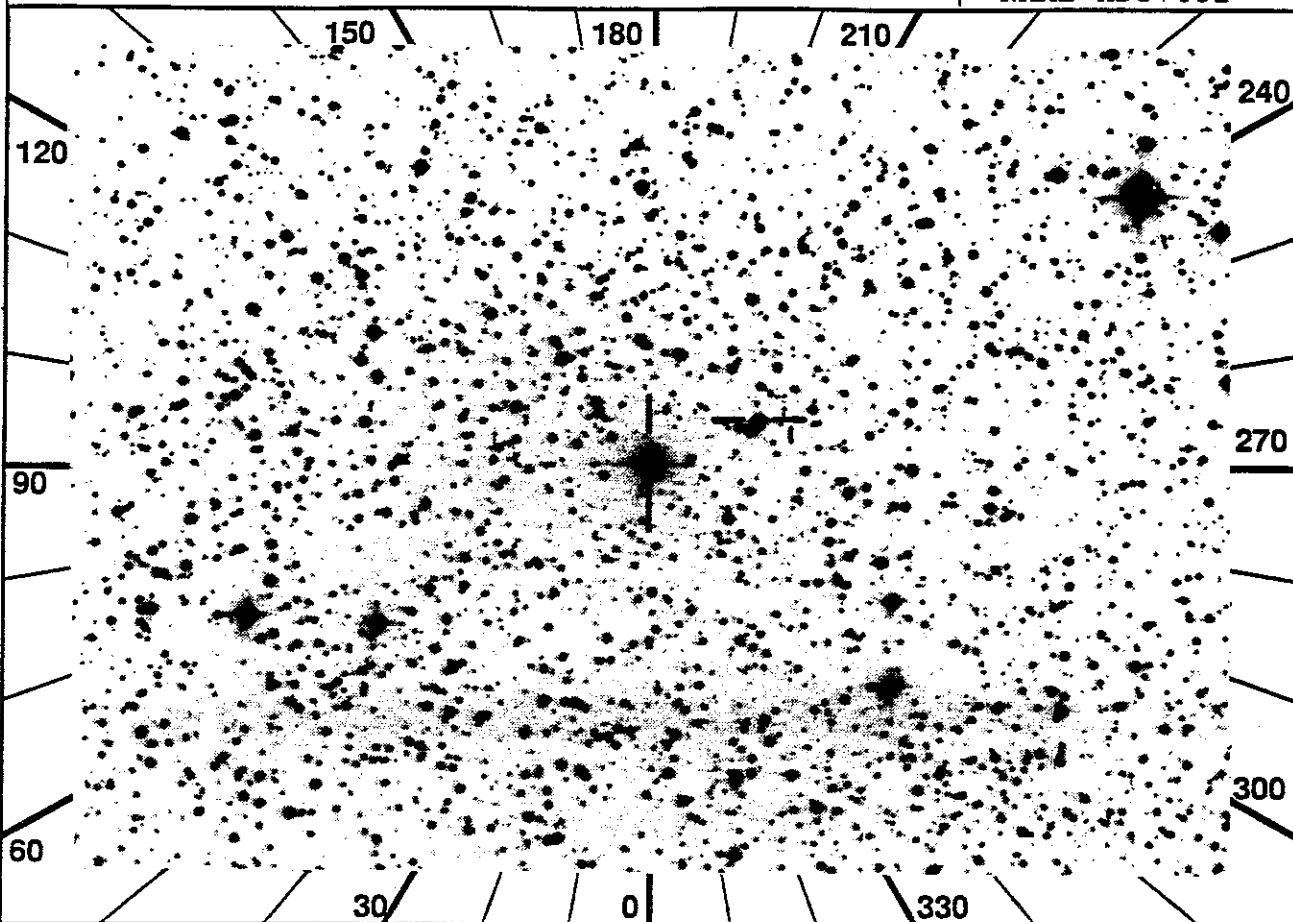
UIT
Observation Description

1 RA 109.9088 DEC -8.8833 ROLL 25.00

ID 4658-10

2 TIME 465

NAME HD57682

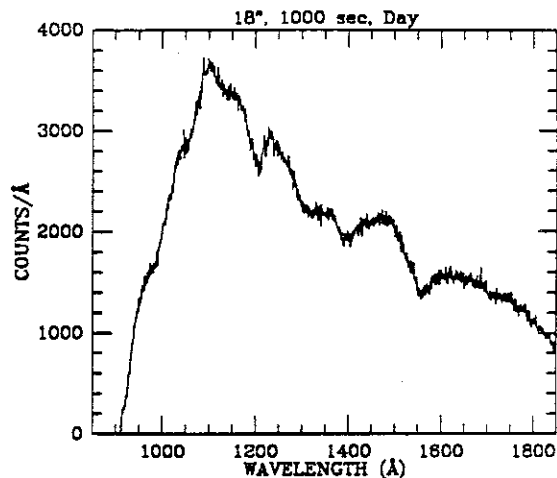


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	364	src	sim	7	10	4.3	2	7	1	---	---	---	SMALAP	
4	W	148	aut	aut	6	3	6.0		8	6	---	---	---	---		
5	U	99	DT	-	T	F	-	-	-	-	-	-	-	-	V-BRT	
6	U															
7	U	UAC														
8	U															
9	U															
10	H	JAC														
11																
12																
13	JAC															
14	J															
15	H	TV														
16	JAC															
17																
18																
19	H	HSP														
20	H	JAC														
21																
22	JAC															
23	H	HDC														
24	H															
25	H															
26	H	JAC														
27																
28																
29	U															
30	U	UAC														
31	U															

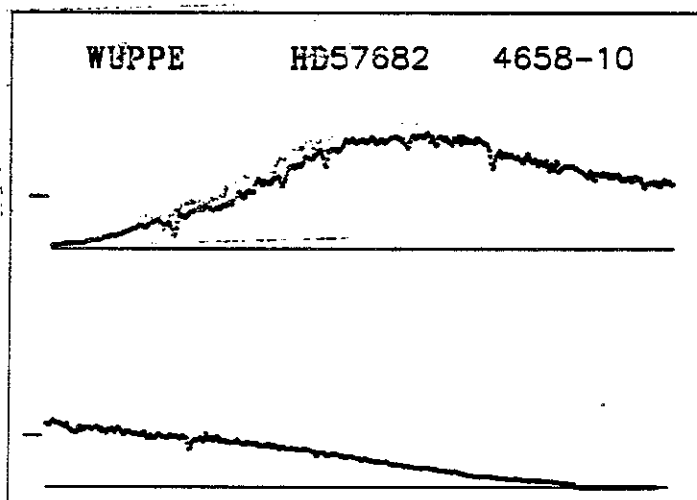
extinction program

OBJECT: 4658 HD57682
KEYWORDS: O9 V, HUT extinction prog.
COMMENTS:
Unreddened standard for HUT
pair-method extinction program, so
very important.

50 cm² observation: careful with
pump, detector operations.



ID: 4658-10
Names: HD57682
Type: O9IV
% Pol: 0.37
Pol Var:
Pos Ang: 0.0
Comments: HUT prime ISM probe
Nearby hot stars
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



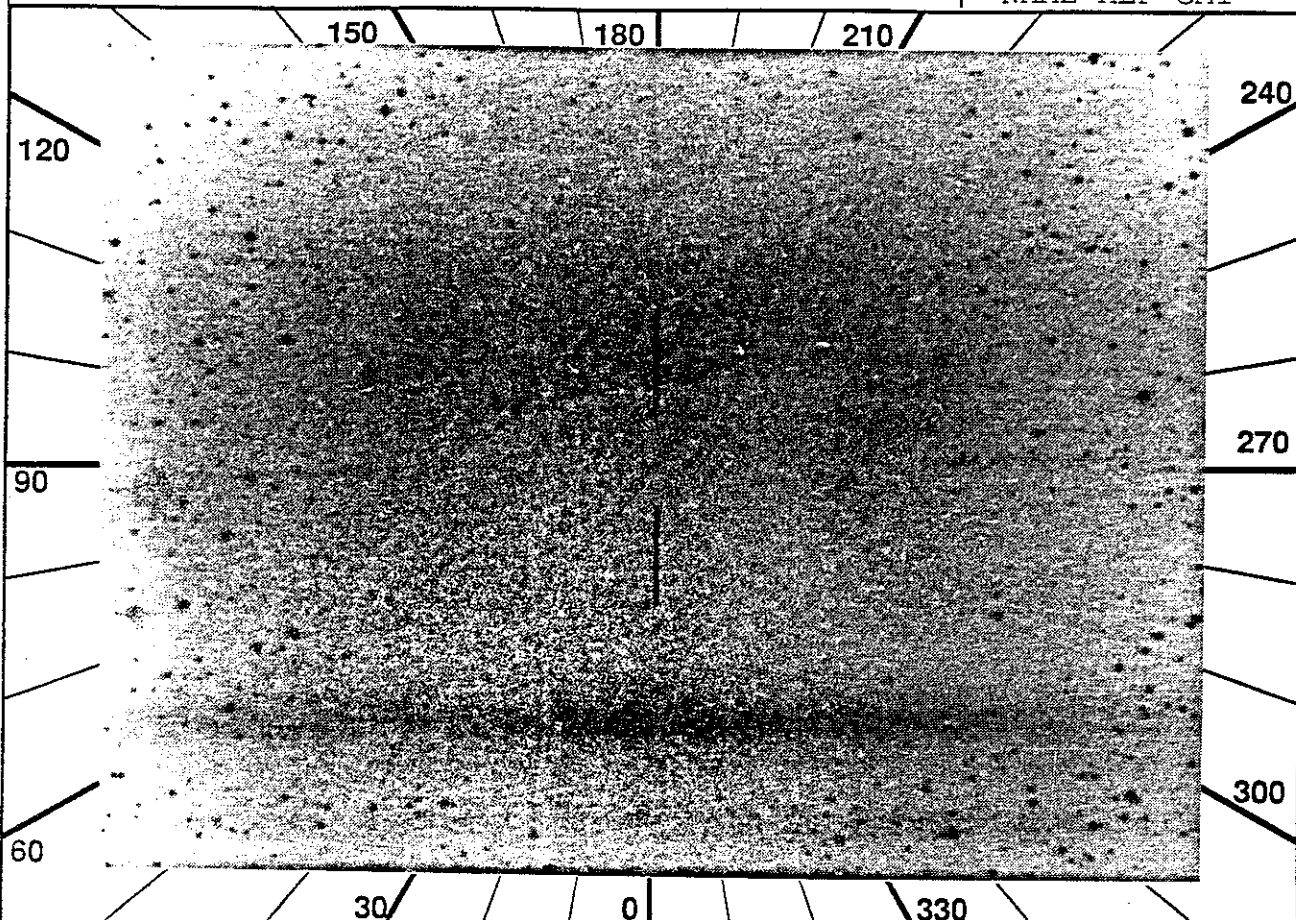
UIT
Observation Description

1 RA 114.1635 DEC 5.3432 ROLL 25.00

ID 4659-10

2 TIME 1436 MANOPS

NAME ALF-CMI



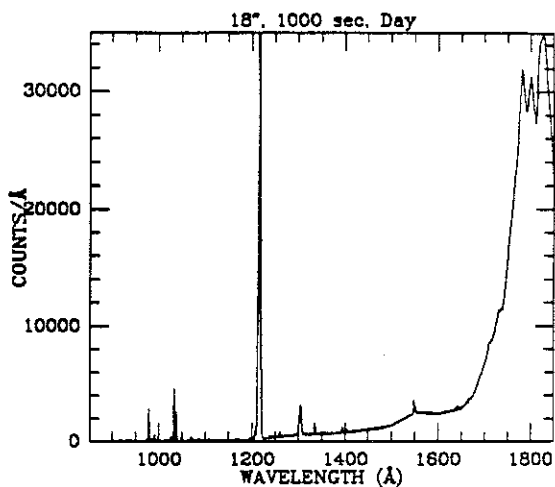
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	328	src	sim	1	1	4.7	5	7	1	---	-	-	---	SAA	AC		
4	W	280	nrc	aut	-2	2	6.6		8	6	---	8	2	---	8	4	---	BRIGHT
5	U	284	DT	-		T	F	93	b5	31	b1	-	-	-	-	-	-	
6	H	-	VIP ON until SAA exit				18	H		Chk HUT Stat -LOC								
7	JAC		Config H W U				19	W		WUP ITEM 12_0 (ZOD on)								
8	H	-	Note: Acquisition in SAA				20	W		Chk WUP acq marks								
9	JAC		All SETUP				21	W		All BEGIN								
10	H	-	Chk Stat - -RAC RDV				22	W		Chk WUP Stat OBS								
11	W	TV	Verify HUT acq on TV				23	W		WUP ITEM 12 -2 (ZOD off)								
12	JAC		IMC BEGIN				24	W		Expect ZOD SIG err								
13	H	-	HUT ITEM 5				25	W		JOB Observe								
14	JAC		After SAA exit				26	JAC		All PREVIEW								
15	H	-	ITEM 16_0				27	W		All QUIT								
16	H	JAC	HUT SETUP				28	W		-----								
17	H						29	JAC		ITEM 16_1								

*not extinction program
coronal star
1*

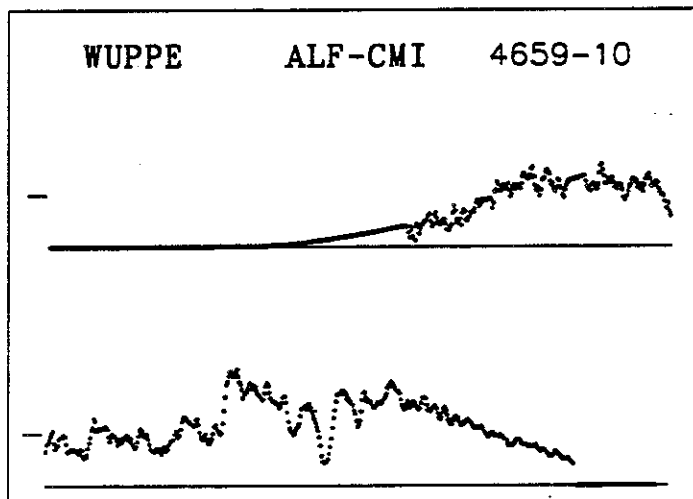
OBJECT: 4659 ALF-CMI
KEYWORDS: Coronal star, possible EUV
COMMENTS:

Also known as Procyon. Extremely high count rate at long lambda, but OK counts per area as long as within normal 5000-6000/second total rate limit.

Low H column, possible EUV lines.
May try for 2nd obs with Al filter.



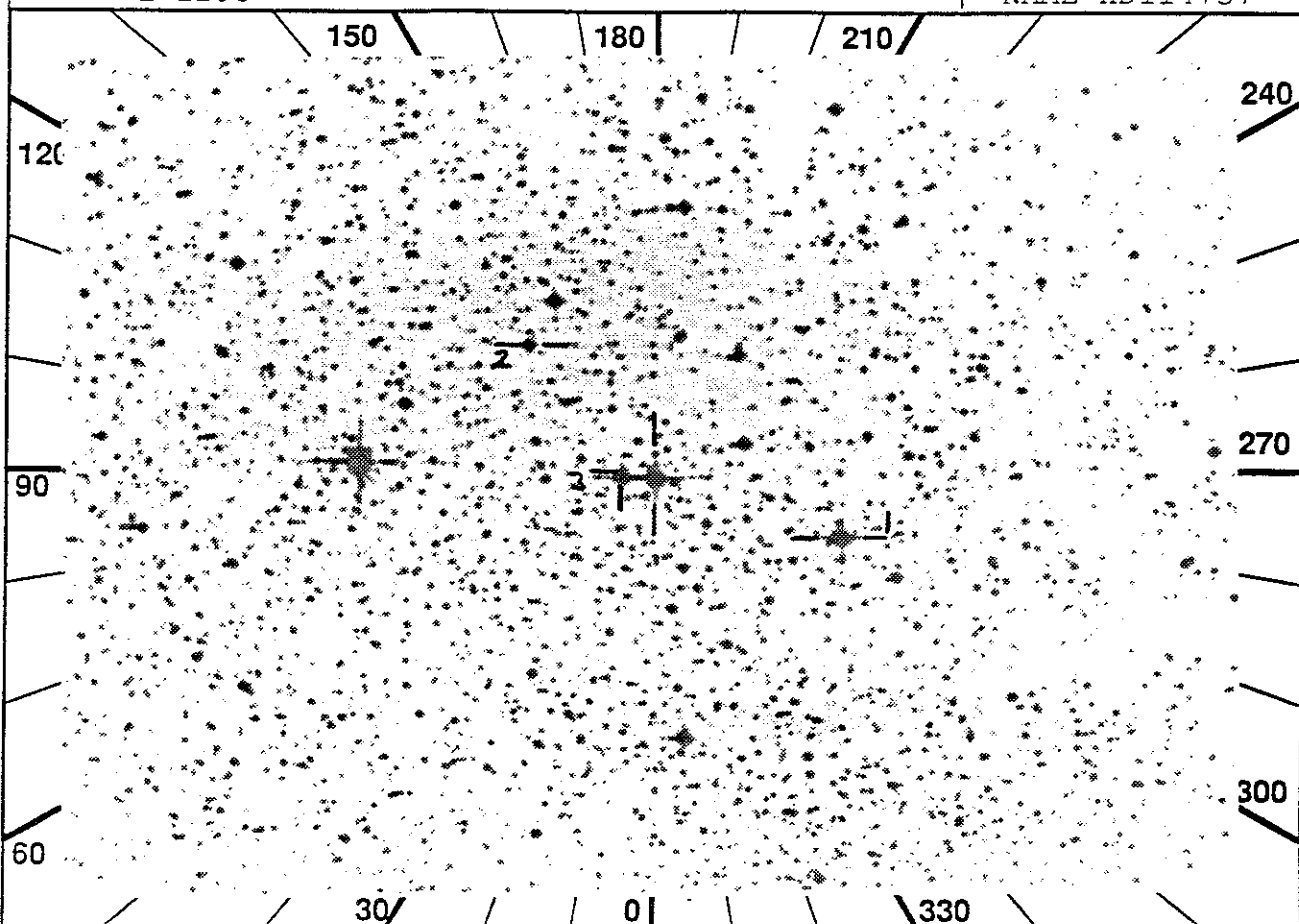
ID: 4659-10
Names: ALF-CMI HD61421
Type: F5IV-V
% Pol: 0.01
Pol Var:
Pos Ang: 145.0
Comments: HUT prime ISM probe
Nearby hot stars; use as
WUPPE unpol * and run
complete filter calib set;
CAUTION - too brt for ZOD;
safe ZOD after acq
NOTE: DETECTOR IN FAST MODE-
DO NOT EXPECT ON-LINE
SPECTRUM.



UIT
Observation Description

1 RA 197.6266 DEC -63.3218 ROLL 90.00
 2 TIME 1295

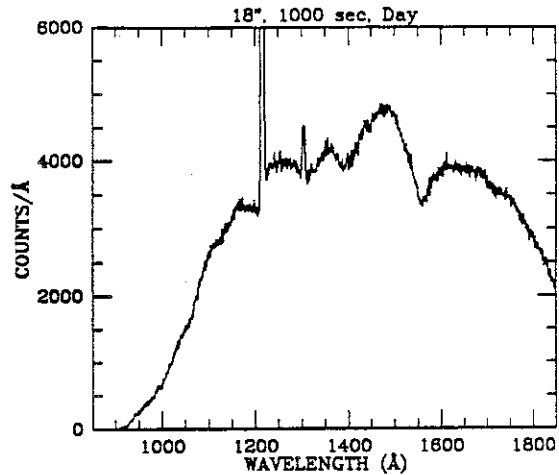
ID 4663-10
 NAME HD114737



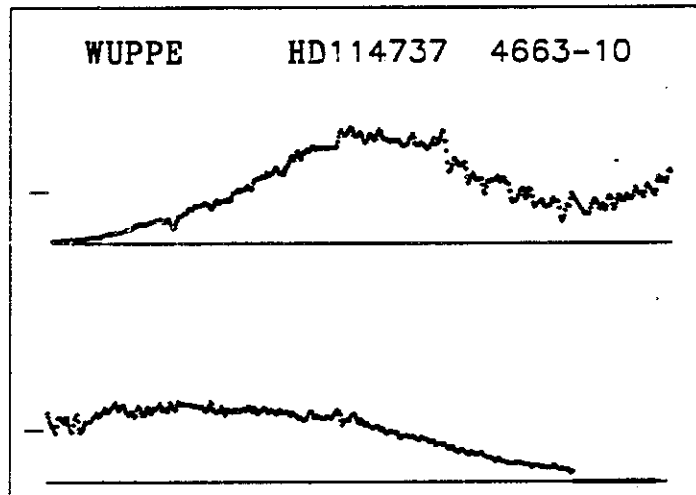
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	326	src	sim	9	10	4.5	3	7	1	---	---	---	SAA	3M
4		W	117	aut	aut	8	6	5.0		8	6	---	---	---		
5	U	99	DT	-		T	F	-	-	-	-	-	-	-	-	V-BRT
6	U									19	H	-				After SAA exit
7	U	UAC								20	H	JAC				ITEM 16 0
8	U									21	H					HUT SETUP
9	U									22	H					Chk HUT Stat -LOC
10	H	-								23						All BEGIN
11		JAC								24		JOB				Observe
12										25		JAC				All PREVIEW
13	H	-								26						All QUIT
14	JAC									27						-----
15	J									28		JAC				ITEM 16 1
16	H	TV								29	U					(During slew)
17	JAC									30	U	UAC				*IF next obj not V-BRT
18										31	U					* ITEM 43, Chk Door O*

extinction program
 |

OBJECT: 4663 HD114737
KEYWORDS: O9 V, HUT extinction prog.
COMMENTS:
Fairly reddened: $E(B-V) = 0.48$
Actual flux rather uncertain. If
lower than estimated, will be able
to open up doors from pre-planned
half-aperture to full aperture.



ID: 4663-10
Names: HD114737
Type: O9V
% Pol: 1.85
Pol Var:
Pos Ang: 80.0
Comments: HUT prime ISM probe
Nearby hot stars.
IUE data used for simulated
spectrum is that of HD46202.



UIT
Observation Description