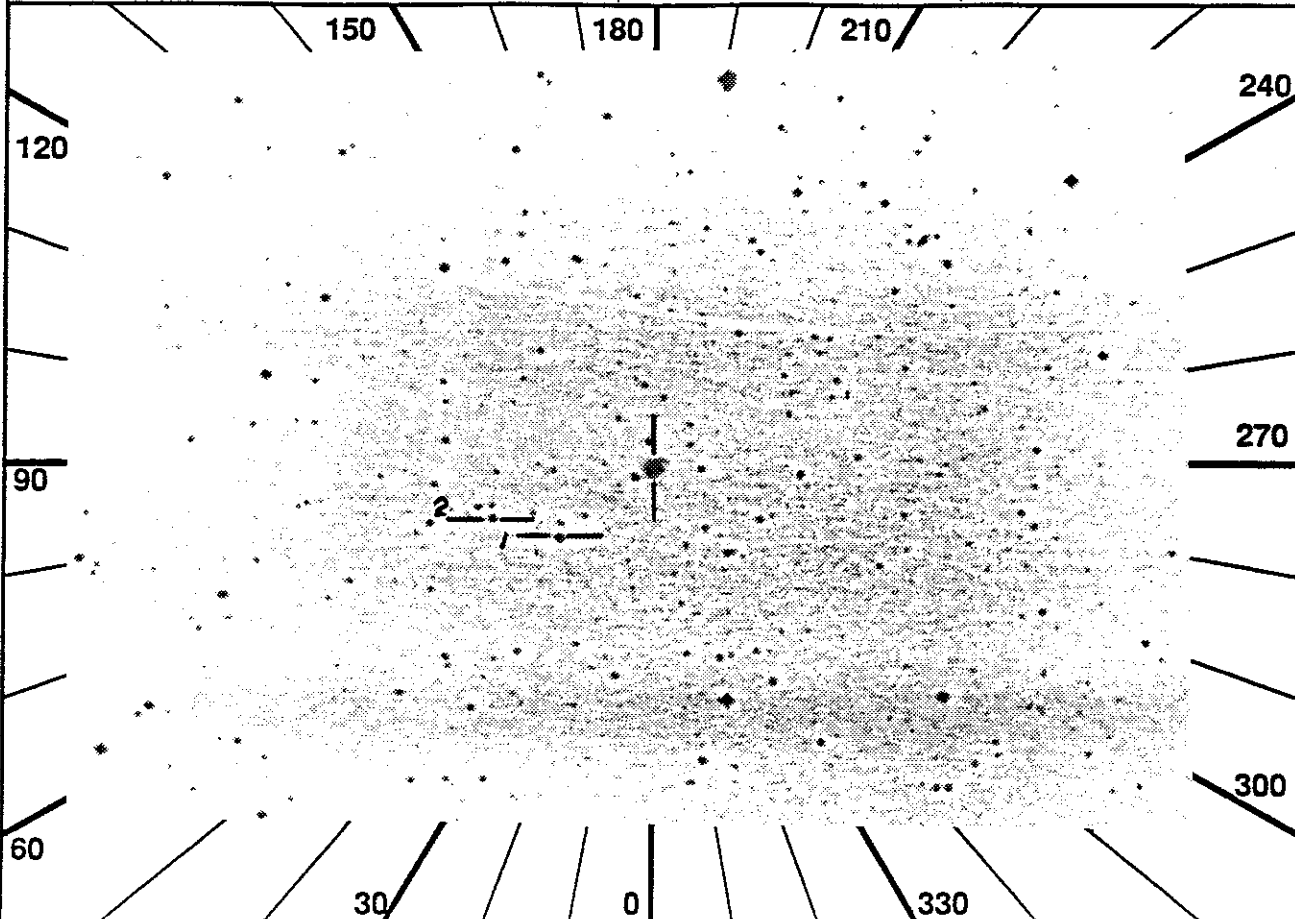


1 RA 20.4634 DEC -59.0664 ROLL 107.03
 2 TIME 1863

ID 8102-11
 NAME FAIRALL9



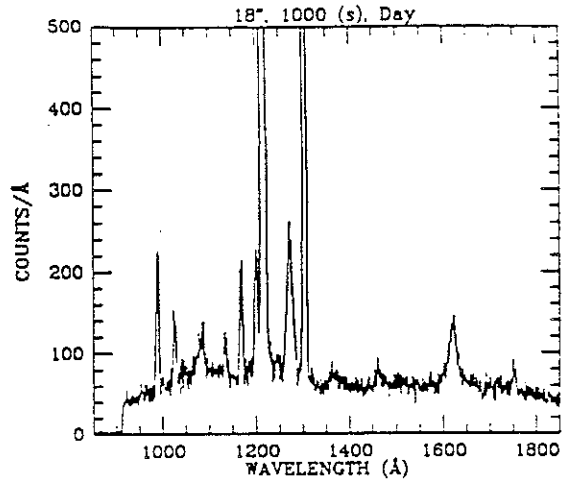
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	76	src sim	14	15	3.4	5	7	4	---	---	---	---	---		
4	W	256	ncn ncd	13	11	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1
5	U	246	DT -	T F	31	a5	31	b5								

6	JAC	ITEM 16_0				20			All	BEGIN
7		Config H W U				21	W		*IF	WUP Deconfig
8		-----				22	W		*	WUP ITEM 11 F_+1
9	JAC	All SETUP				23	W		*	Cur/ITEM 6 in fld, zm
10	W	Chk Stat -LOC -CUR RDY				24	W		*	WUP ITEM 4 (Cur off)
11		IMC BEGIN				25	W		*	WUP ITEM 7 (Begin)
12		HUT ITEM 5				26	W		*	Config with WUP
13	W	WUP tgt= HUT faint star				27	W		NOTE:	WUP 1st seq = BKG
14	W	*IF WUP target visible				28		JOB	Observe	
15	W	* WUP PFK cur to target				29		JAC	All PREVIEW	
16	W	* WUP ITEM 6 (Cntr)				30			All QUIT	
17	W	* WUP ITEM 4 (Cur off)				31			-----	
18	W	*ELSE				32		JAC	ITEM 16_1	
19	W	* Config without WUP								

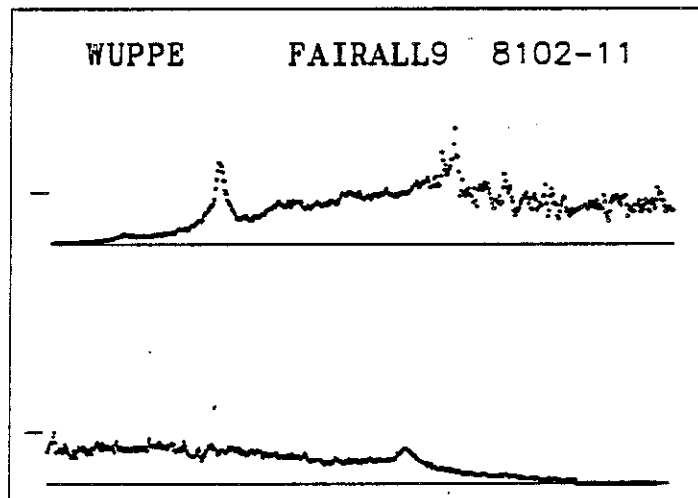
Seyfert nuc.

1

OBJECT: FAIRALL 9
KEYWORDS: Seyfert 1
COMMENTS:
Z = 0.0481



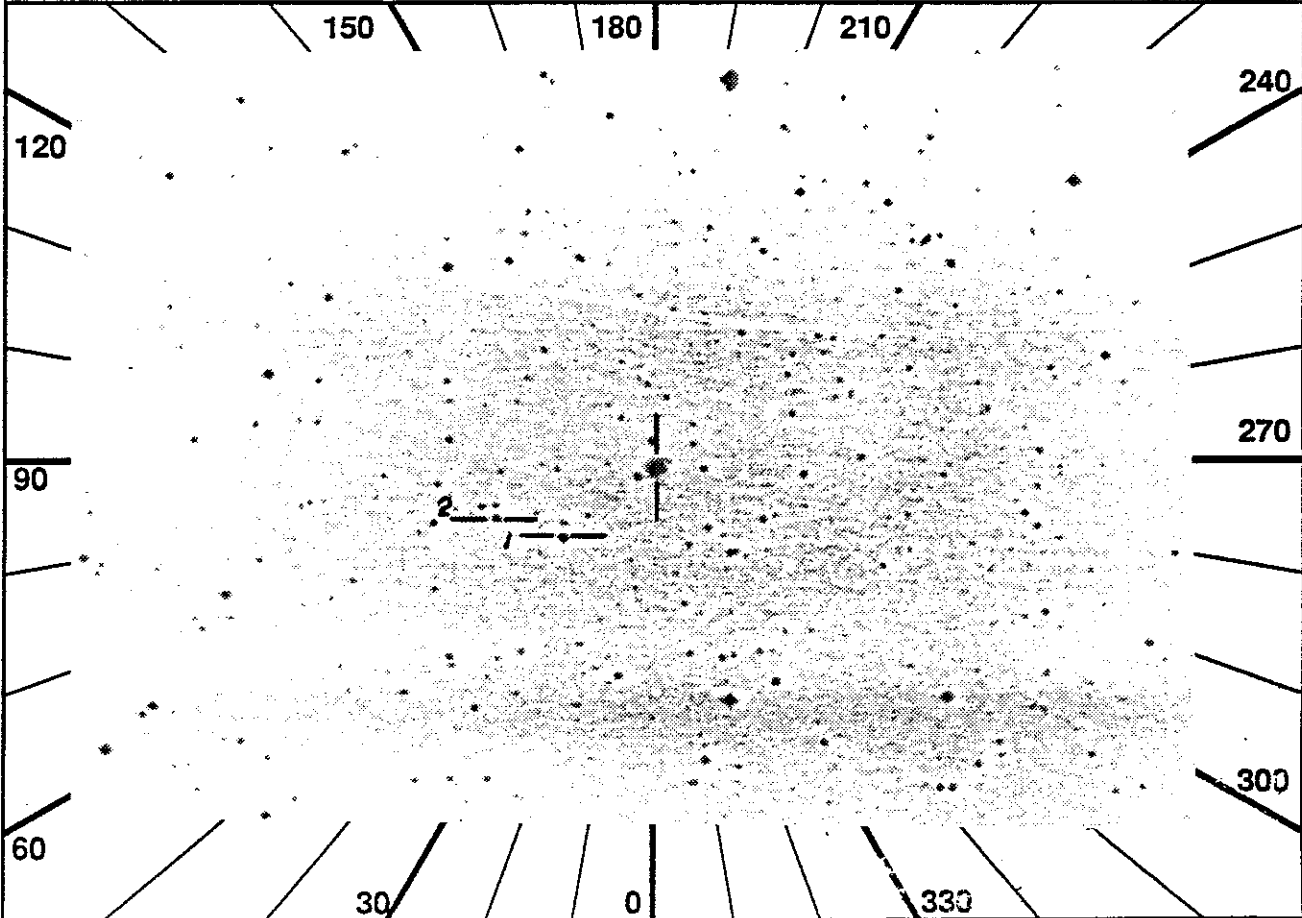
ID: 8102-11
Names: FAIRALL9
Type: Seyfert
% Pol: 0.40
Pol Var:
Pos Ang: 2.4
Mechanism: foreground dust?
Comments: little known about
polarization; may be too
faint for WUPPE; first seq
is offset to obtain bkgd.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 20.4634 DEC -59.0664 ROLL 107.03
 2 TIME 1367

ID 8102-12
 NAME FAIRALL9

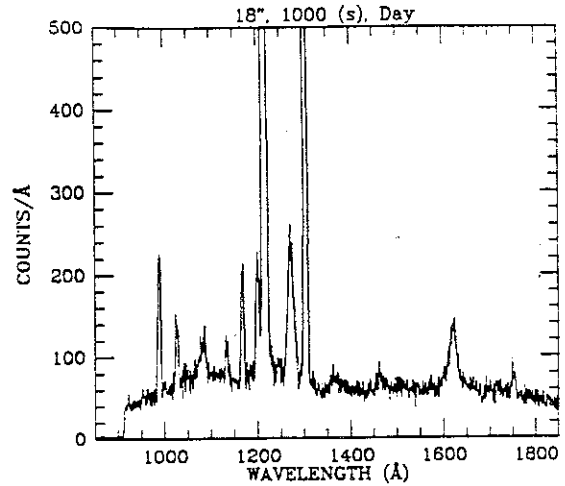


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	215	src	sim	14	15	3.4	5	7	4	---	---	---	SAA	AC
4	W	256	ncn	ngd	13	11	1.0	2	2	60	2	2	---	---	FNTLOC	BKG1
5	U	247	DT	-	T	F	31	a2	31	a4	-	-	-	-		

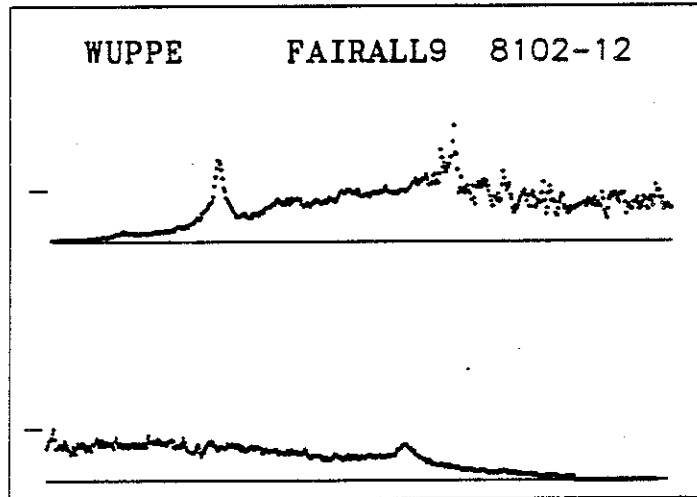
6	H	-	VIP ON until SAA exit	23	H	JAC	ITEM 16_0
7	JAC	Config	H W U	24	H	HUT	SETUP
8			-----	25	H	Chk	HUT Stat -LOC
9	H	-	Note: Acquisition in SAA	26		All	BEGIN
10	JAC	All	SETUP	27	W	*IF	WUP Deconfig
11	J	Chk	Stat - -CUR RDY	28	W	* WUP	ITEM 11_F +1
12	H	TV	Verify HUT acq on TV	29	W	* Cur/ITEM	6 in fld, zm
13	JAC	IMC	BEGIN	30	W	* WUP	ITEM 4 (Cur off)
14			HUT ITEM 5	31	W	* WUP	ITEM 7 (Begin)
15	W	WUP	tgt= HUT faint star	32	W	* Config	with WUP
16	W	*IF	WUP target visible	33	W	NOTE:	WUP 1st seq = BKG
17	W	* WUP	PFK cur to target	34		JOB	Observe
18	W	* WUP	ITEM 6 (Cntr)	35	JAC	All	PREVIEW
19	W	* WUP	ITEM 4 (Cur off)	36		All	QUIT
20	W	*ELSE		37		-----	
21	W	* Config	without WUP	38	JAC	ITEM	16_1
22	H	-	After SAA exit				

Sayfert nuc,
 |

OBJECT: FAIRALL 9
KEYWORDS: Seyfert 1
COMMENTS:
Z = 0.0461



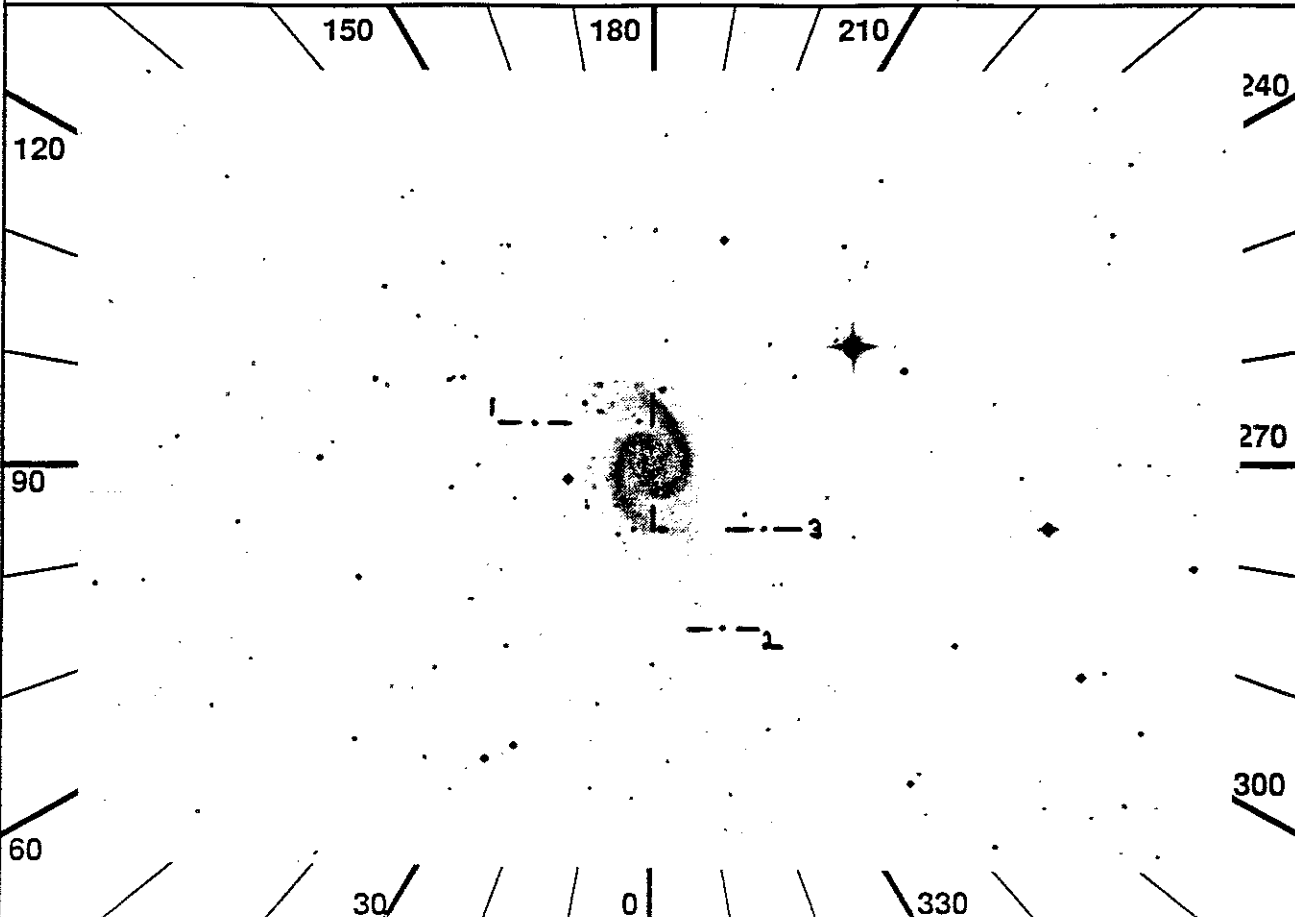
ID: 8102-12
Names: FAIRALL9
Type: Seyfert
Pol: 0.40
Pol Var:
Pos Ang: 2.4
Mechanism: foreground dust?
Comments: little known about
polarization; may be too
faint for WUPPE; first seq
is offset to obtain bkgd.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 64.7221 DEC -55.0564 ROLL 121.43
 2 TIME 1235

ID 8106-10
 NAME NGC1566



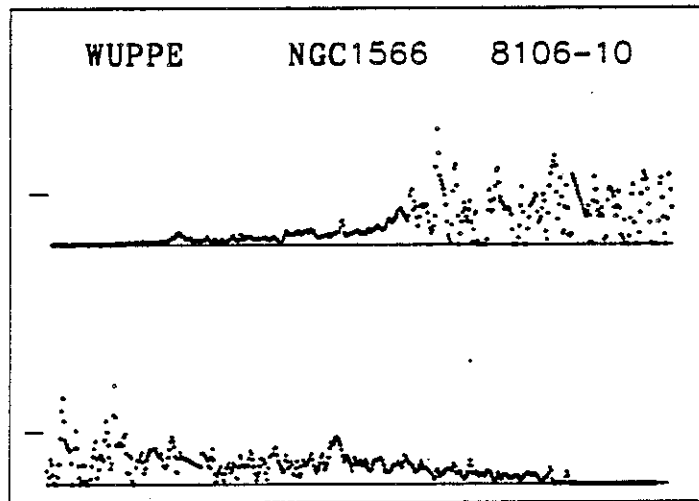
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	217	src sim	14	14	3.2	5	7	4	---	---	---	---	---	SAA	AC	
4	W	257	ncn ngd	13	15	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1	
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---	---	AST4SC	
6	I		CMD	WRI	3900			25	H	-						After SAA exit	
7	I			F007F0010FA0	(4s upd)			26	H	JAC						ITEM 16 0	
8	I	IMC	Chk	AST	WAC	incr	once/4s	27	H							HUT SETUP	
9	H	-	VIP	ON	until	SAA	exit	28	H							Chk HUT Stat -LOC	
10	JAC		Config	H	W	U		29								All BEGIN	
11			-----					30	W								*IF WUP Deconfig
12	H	-	Note:	Acquisition	in	SAA		31	W								* WUP ITEM 11 F +1
13	JAC		All	SETUP				32	W								* Cur/ITEM 6 in fld, zm
14	J		Chk	Stat	-	-CUR	RDY	33	W								* WUP ITEM 4 (Cur off)
15	H	TV	Verify	HUT	acq	on	TV	34	W								* WUP ITEM 7 (Begin)
16	JAC		IMC	BEGIN				35	W								* Config with WUP
17			HUT	ITEM	5			36	W								NOTE: WUP 1st seq = BKG
18	W		WUP	tgt=	HUT	faint	star	37		JOB							Observe
19	W		*IF	WUP	target	visible		38		JAC							All PREVIEW
20	W		* WUP	PFK	cur	to	target	39									All QUIT
21	W		* WUP	ITEM	6	(Cntr)		40									-----
22	W		* WUP	ITEM	4	(Cur	off)	41		JAC							ITEM 16 1
23	W		*ELSE					42	I								CMD ISS_3908 (1s upd)
24	W		* Config	without	WUP												

nucleus (faint Seyfert)
 2

Spectrum Not Available

HUT
Spectrum and Observation Description

ID: 8106-10
Names: NGC1566
Type: Seyfert
% Pol: 0.60
Pol Var:
Pos Ang: 52.6
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.



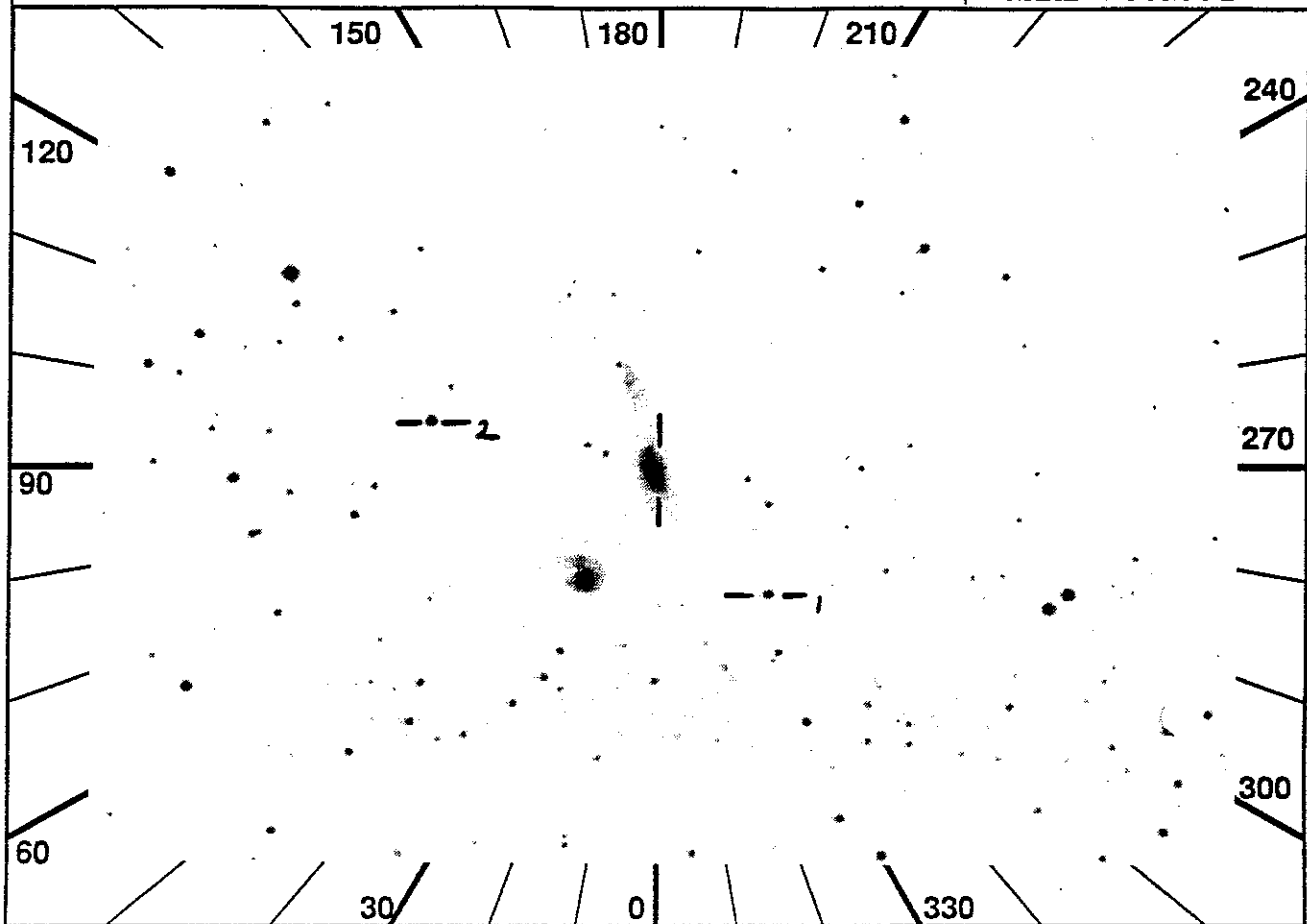
UIT
Observation Description

1 RA 145.8208 DEC -14.0967 ROLL 200.42

ID 8113-11

2 TIME 1054

NAME NGC2992



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	123	src	sim	14	14	3.2	5	7	4	---	---	---	---	SAA	AC
4	W	258	ncn	ngd	14	15	1.0		2	2	60	2	2	---	FNTLOC	BKG1
5	S	U	246	DT	-	T	F	31	a5	31	b5	-	-	-	-	-

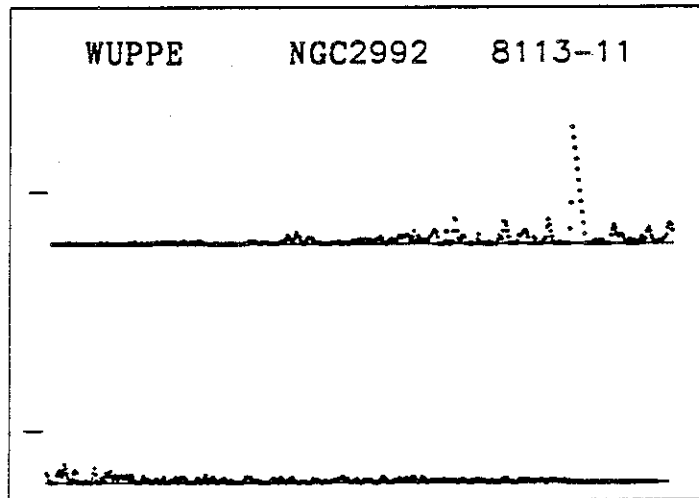
6	H	-	VIP ON until SAA exit	23	H	JAC	ITEM 16_0
7	JAC	Config	H W U	24	H	HUT	SETUP
8			-----	25	H	Chk	HUT Stat -LOC
9	H	-	Note: Acquisition in SAA	26		All	BEGIN
10	JAC	All	SETUP	27	W	*IF	WUP Deconfig
11	J	Chk	Stat - -CUR RDY	28	W	*	WUP ITEM 11_F +1
12	H	TV	Verify HUT acq on TV	29	W	*	Cur/ITEM 6 In fld, zm
13	JAC	IMC	BEGIN	30	W	*	WUP ITEM 4 (Cur off)
14		HUT	ITEM 5	31	W	*	WUP ITEM 7 (Begin)
15	W	WUP	tgt= HUT faint star	32	W	*	Config with WUP
16	W	*IF	WUP target visible	33	W	NOTE:	WUP 1st seq = BKG
17	W	*	WUP PFK cur to target	34		JOB	Observe
18	W	*	WUP ITEM 6 (Cntr)	35	JAC	All	PREVIEW
19	W	*	WUP ITEM 4 (Cur off)	36		All	QUIT
20	W	*ELSE		37		-----	
21	W	*	Config without WUP	38	JAC	ITEM	16_1
22	H	-	After SAA exit				

large extinction Seyfert - not centered on declivity
3

Spectrum Not Available

HUT
Spectrum and Observation Description

ID: 8113-11
Names: NGC2992 A245
Type: Seyfert
% Pol: 3.32
Pol Var:
Pos Ang: 33.3
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.



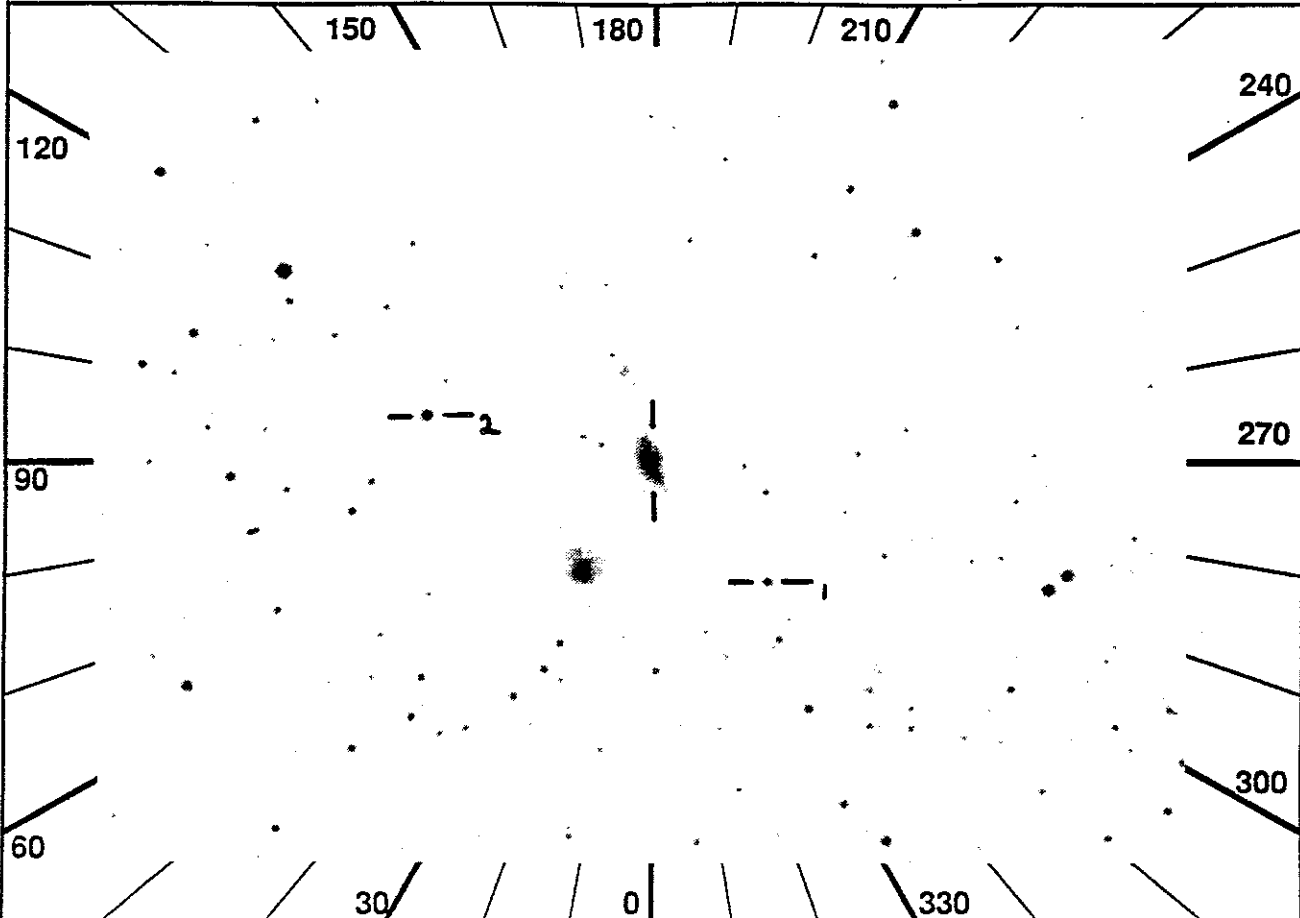
UIT
Observation Description

1 RA 145.8208 DEC -14.0967 ROLL 200.42

ID 8113-12

2 TIME 666

NAME NGC2992



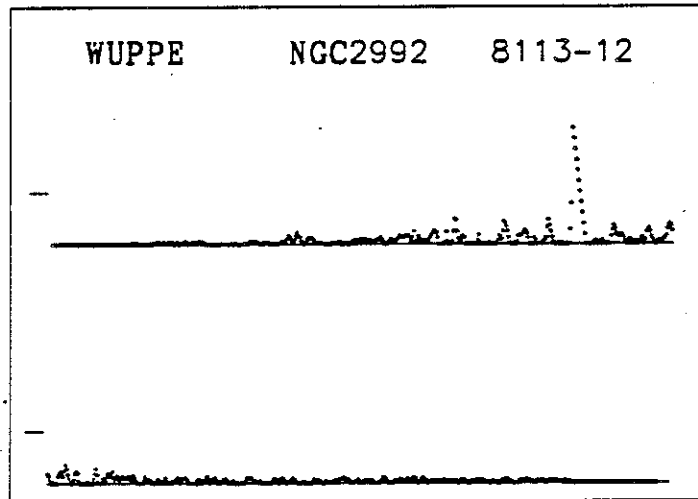
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	134	src sim	14	14	3.2	5	7	4	---	-	-	-	---		
4	W	258	ncn ngd	14	15	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1
5	P	U	247	DT	-	T	F	31	a2	31	a4	-	-	-		
6	JAC	ITEM	16	0				20								
7		Config	H	W	U			21	W							
8		-----						22	W							
9	JAC	All	SETUP					23	W							
10	W	Chk	Stat	-LOC	-CUR	RDY		24	W							
11		IMC	BEGIN					25	W							
12		HUT	ITEM	5				26	W							
13	W	WUP	tgt=	HUT	faint	star		27	W							
14	W	*IF	WUP	target	visible			28	JOB	Observe						
15	W	* WUP	PFK	cur	to	target		29	JAC	All	PREVIEW					
16	W	* WUP	ITEM	6	(Cntr)			30		All	QUIT					
17	W	* WUP	ITEM	4	(Cur	off)		31		-----						
18	W	*ELSE						32	JAC	ITEM	16_1					
19	W	* Config	without	WUP												

3

Spectrum Not Available

HUT
Spectrum and Observation Description

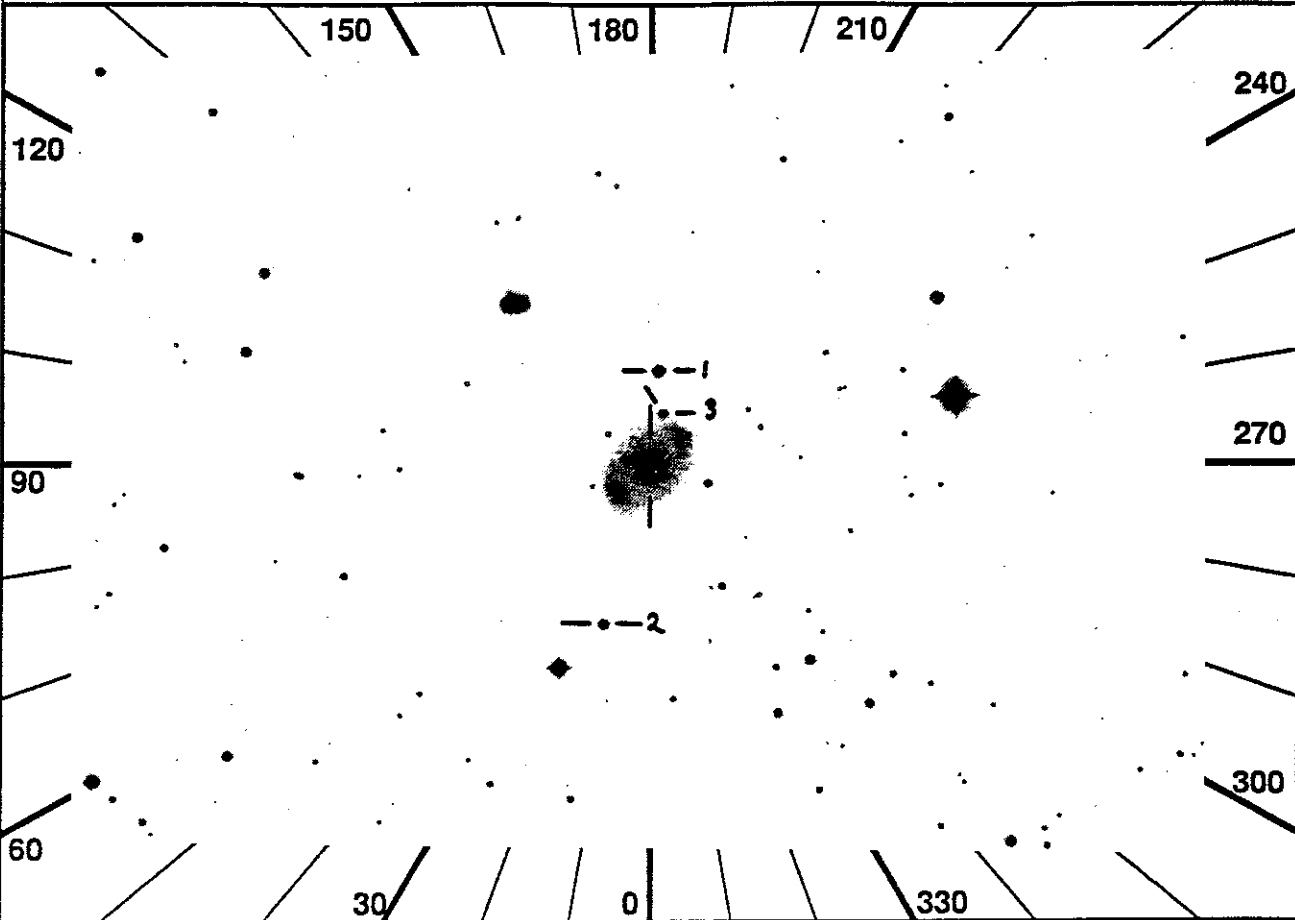
ID: 8113-12
Names: NGC2992 A245
Type: Seyfert
% Pol: 3.32
Pol Var:
Pos Ang: 33.3
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.



UIT
Observation Description

1 RA 182.0044 DEC 39.6839 ROLL 277.00
 2 TIME 2620

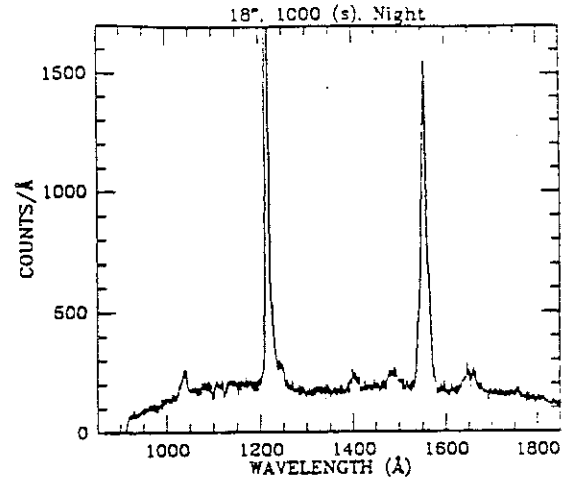
ID 8116-11
 NAME NGC4151



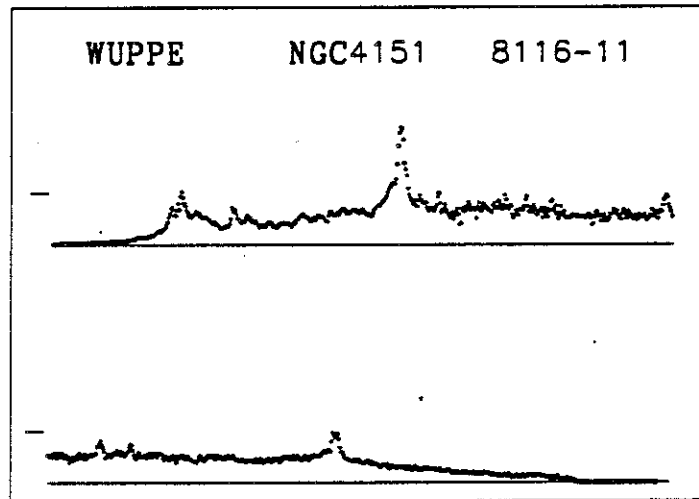
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	67	src sim	12	14	3.5	5	7	4	---	-	-	---	-	-	---	
4	W	259	aut ngd	11	10	1.0		7	4	120	2	6	---	---	BKG1	DFLD	
5	U	231	DT -	T F	156	b5	156	a1	156	b1	16	b6	-	-	LTSTRT		
6	JAC	ITEM	16	0				16							All	BEGIN	
7		Config	H	W	U			17	W						NOTE:	WUP 1st seq = BKG	
8		-----						18	U	JOB					Wait for	TIME AVAIL 2184	
9	JAC	All	SETUP					19	U	UIT					BEGIN		
10		Chk	Stat	-LOC	-LOC	RDY		20	U	JAC					Config	with UIT	
11		IMC	BEGIN					21		JOB					Observe		
12		HUT	ITEM	5				22	JAC	All					PREVIEW		
13	W	WUP	ITEM	11	DF			23		All					QUIT		
14	W	WUP	wait	CAM	MODE	ZOOM		24		-----							
15	U	Config	without	UIT				25	JAC	ITEM	16	1					

Seyfert nucleus
 |

OBJECT: NGC4151
KEYWORDS: Seyfert 1.5
COMMENTS:
Z = 0.0033



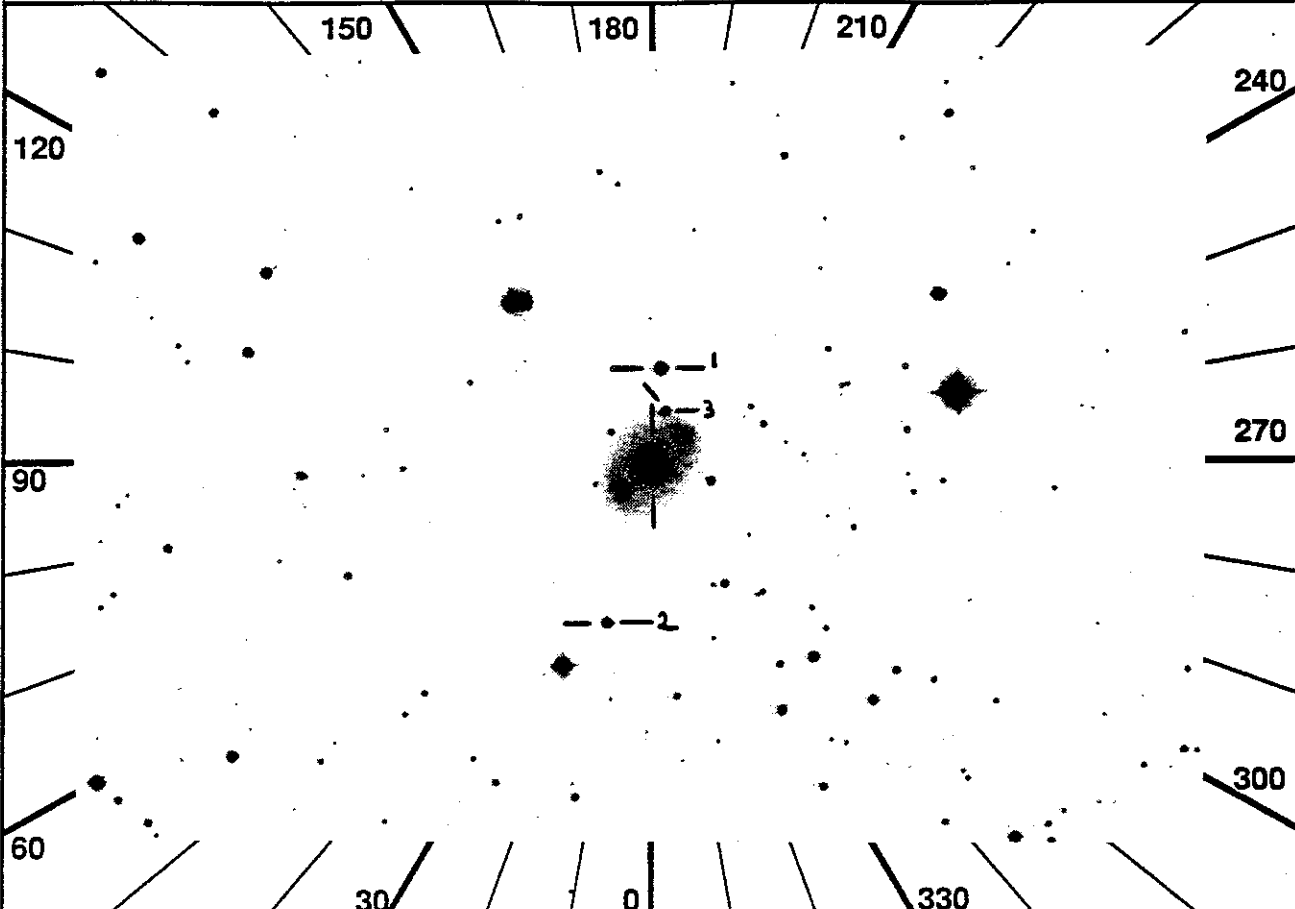
ID: 8116-11
Names: NGC4151
Type: Seyfert I
% Pol: 0.26
Pol Var: yes
Pos Ang: 63.0
Mechanism: non-thermal?
Comments: well-studied pol;
strong em line at ~1700;
try half-wave obs; first
ptg - should obtain DFLD;
first seq is offset to
obtain bkgd; continuum
pol rises toward blue.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 182.0044 DEC 39.6839 ROLL 277.00
 2 TIME 1056

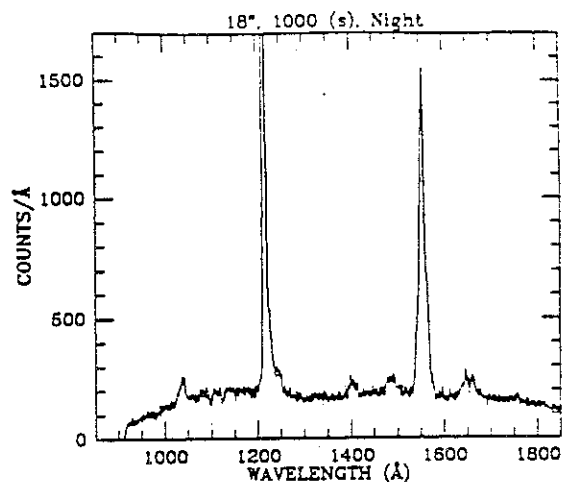
ID 8116-12
 NAME NGC4151



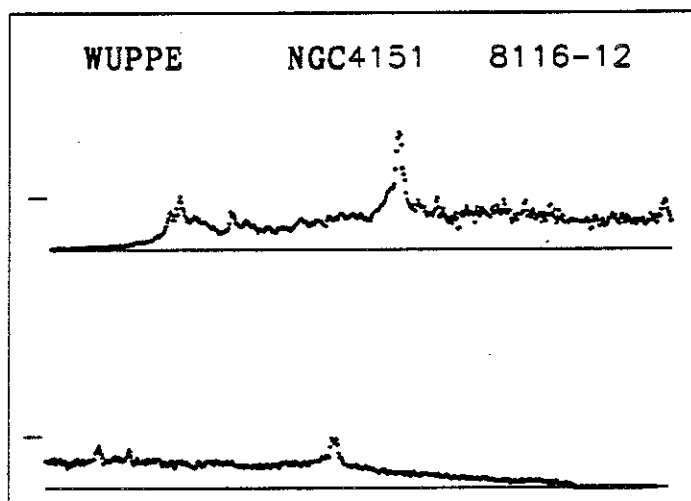
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	83	src	sim	12	14	3.5	5	7	4	---	---	---	---		
4	W	259	aut	ngd	11	10	1.0		7	4	120	2	6	---	---	BKG1
5	U	247	DT	-	T	F	31	a2	31	a4	-	-	-	-		
6	JAC	ITEM 16	0						13							
7		Config	H	W	U				14	W						
8		-----							15	JOB	Observe					
9	JAC	All	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				

Seyfert one
 1

OBJECT: NGC4151
KEYWORDS: Seyfert 1.5
COMMENTS:
Z = 0.0033



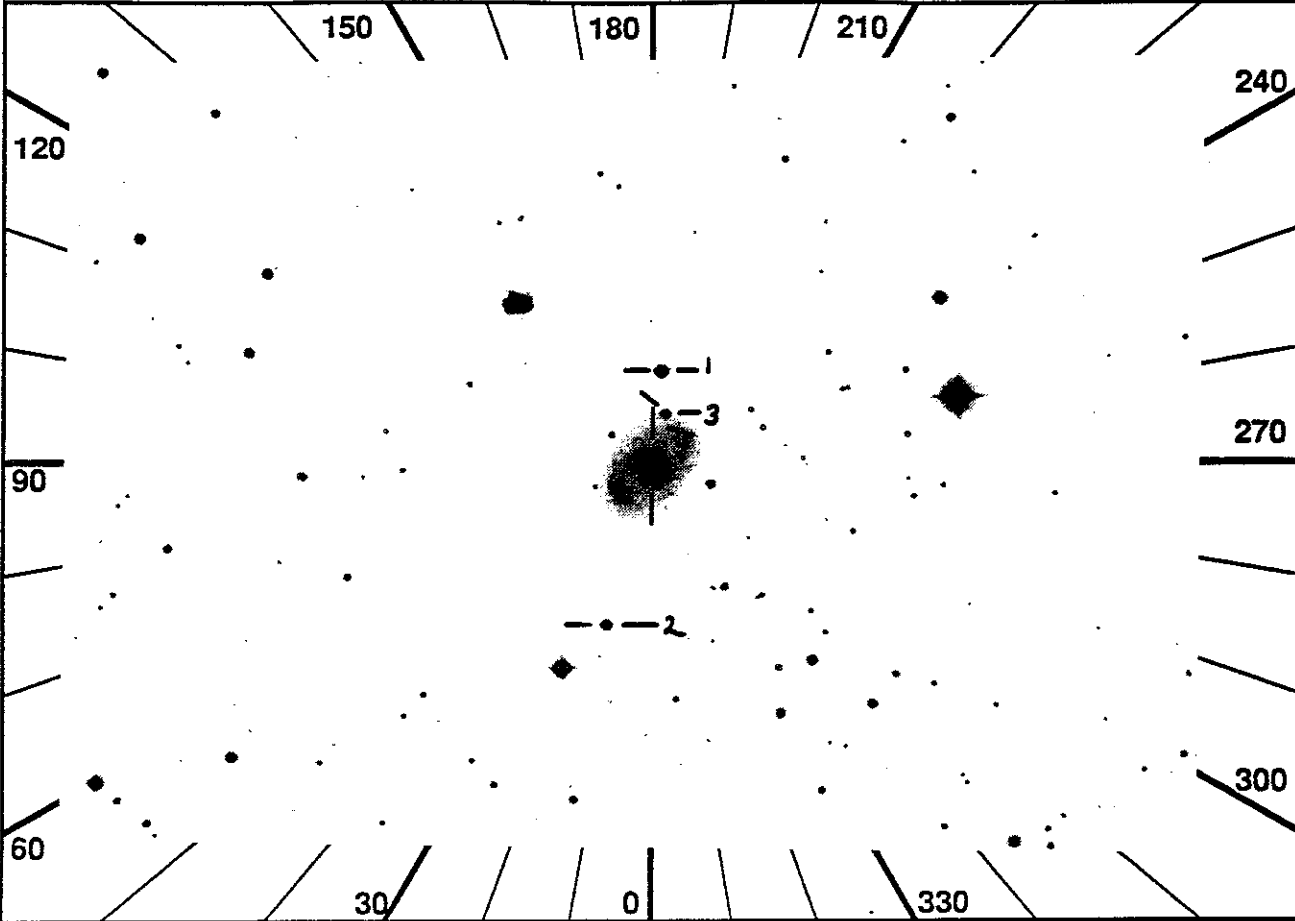
ID: 8116-12
Names: NGC4151
Type: Seyfert I
% Pol: 0.26
Pol Var: yes
Pos Ang: 63.0
Mechanism: non-thermal?
Comments: well-studied pol;
strong em line at ~1700;
try half-wave obs; second
ptg - obtain DFLD if not
done on first pointing;
first seq is offset to
obtain bkgd; continuum
pol rises toward blue.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 182.0044 DEC 39.6839 ROLL 114.36
 2 TIME 945

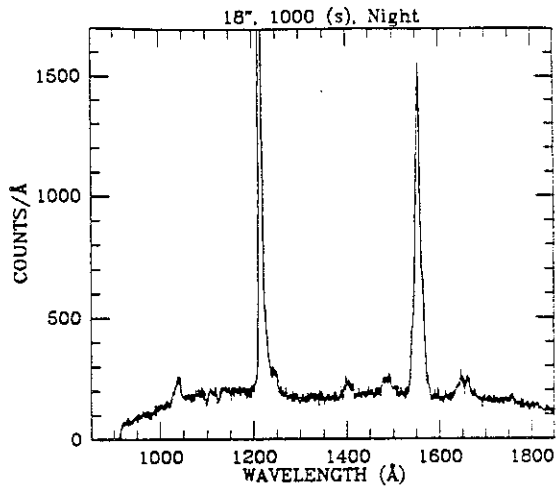
ID 8116-30
 NAME NGC4151



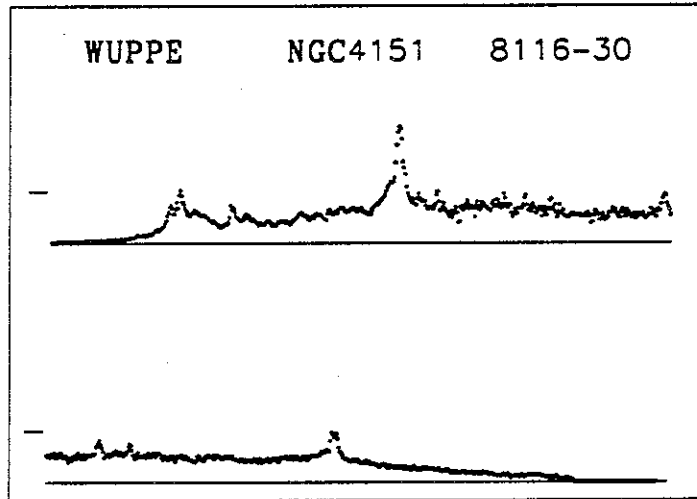
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	310	src sim	12	14	3.5	5	7	4	---	---	---	---	---		
4	W	259	aut nqd	11	10	1.0		7	4	120	2	6	---	---	BKG1	
5	U	246	DT -	T F	31	a5	31	b5	-	-	-	-	-	-		
6	JAC	ITEM 16_0					13	All BEGIN								
7		Config H W U					14	W	NOTE: WUP 1st seq = BKG							
8		-----					15	JOB Observe								
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							

Seyfert nuc
 |

OBJECT: NGC4151
KEYWORDS: Seyfert 1.5
COMMENTS:
Z = 0.0033



ID: 8116-30
Names: NGC4151
Type: Seyfert I
% Pol: 0.26
Pol Var: yes
Pos Ang: 63.0
Mechanism: non-thermal?
Comments: well-studied pol;
strong em line at ~1700;
try half-wave obs; third
ptg - obtain DFLD if not
previously done; first
seq is offset to obtain
bkgd; continuum pol rises
toward blue.
Co-pointing with BBXRT.



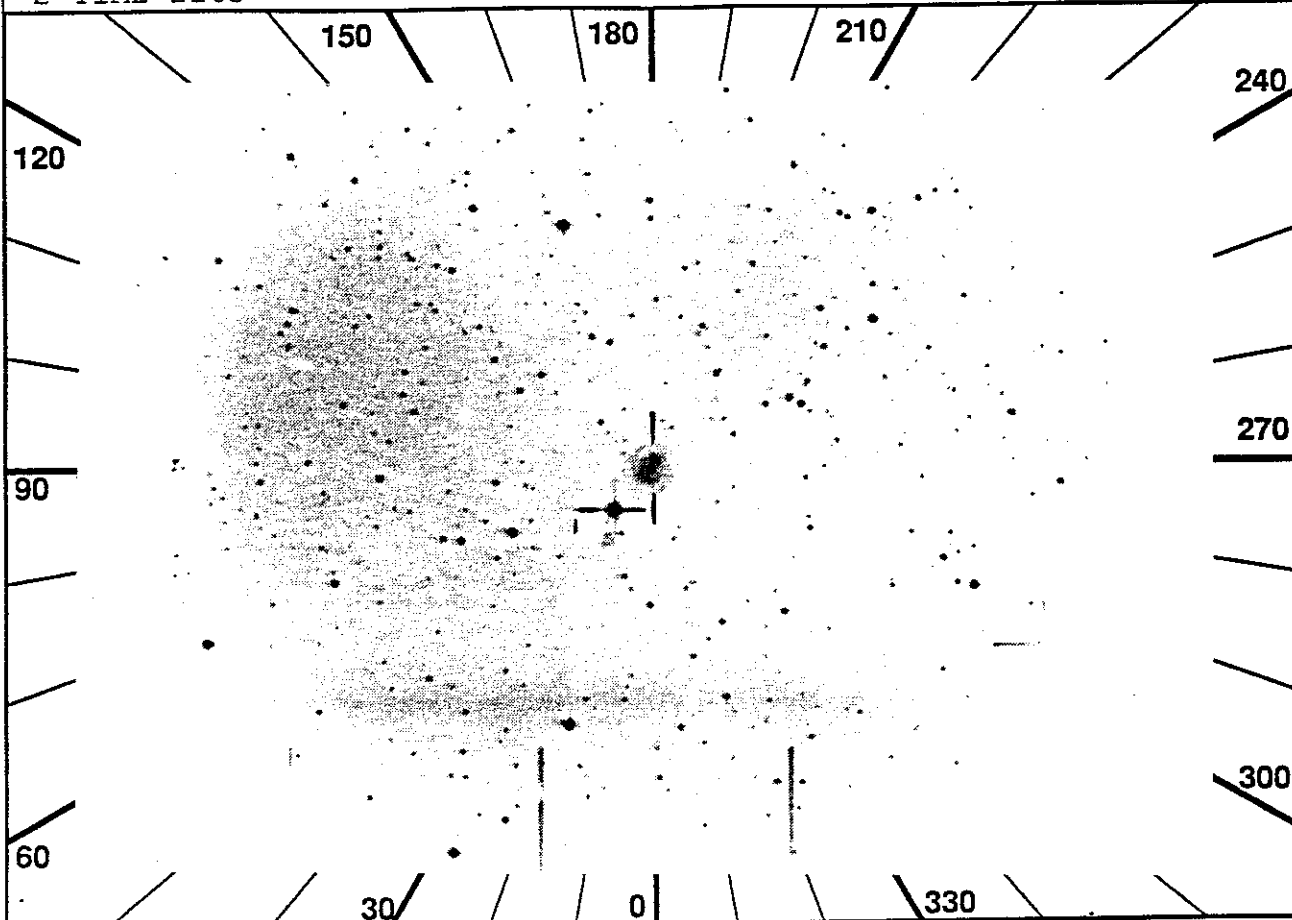
UIT
Observation Description

1 RA 174.1375 DEC -37.4614 ROLL 192.80

ID 8118-11

2 TIME 2163

NAME NGC3783

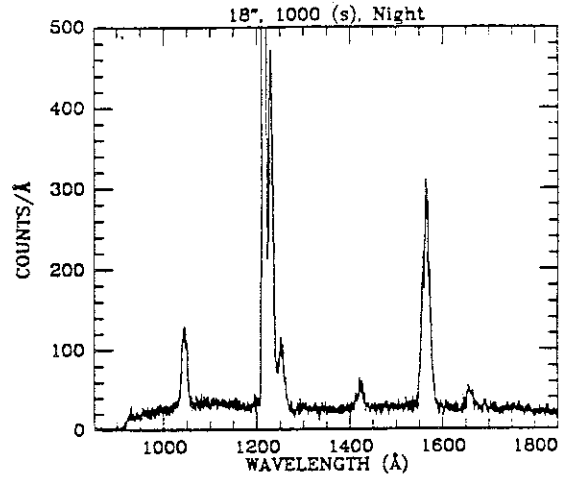


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	216	gde ^{src} sim	14	10	3.3	5	7	4	---	---	---	---	---			
4	W	260	ncn ngd	13	15	1.0		2	2	60	---	---	---	---	FNTLOC	BKG1	
5	U	232	DT -	T F	31	a2	62	a1	---	---	---	---	---	---			
6	JAC	ITEM 16 0					20	All BEGIN									
7		Config H W U					21	W	*IF WUP Deconfig								
8	-----																
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	W	NOTE: WUP 1st seq = BKG								
15	W	* WUP PFK cur to target					28		JOB Observe								
16	W	* WUP ITEM 6 (Cntr)					29	JAC	All PREVIEW								
17	W	* WUP ITEM 4 (Cur off)					30		All QUIT								
18	W	*ELSE					31	-----									
19	W	* Config without WUP					32	JAC	ITEM 16_1								

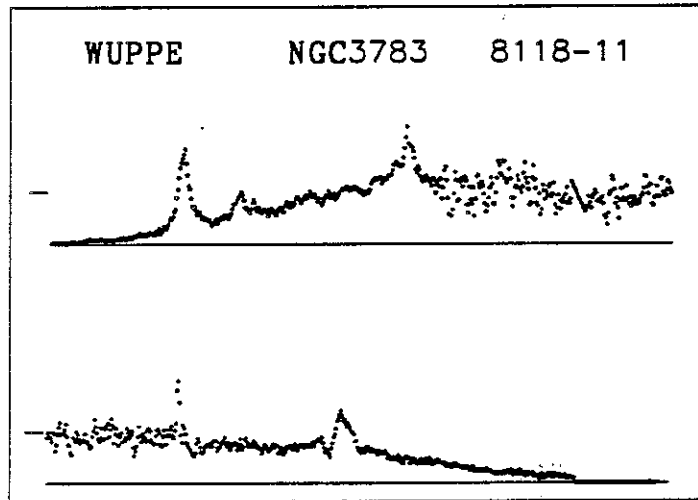
Seyfert one.

|

OBJECT: NGC 3783
KEYWORDS: Seyfert 1
COMMENTS:
Z = 0.00913



ID: 8118-11
Names: NGC3783
Type: Seyfert I
% Pol: 0.46
Pol Var: yes
Pos Ang: 112.2
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.
Co-pointing with BBXRT.



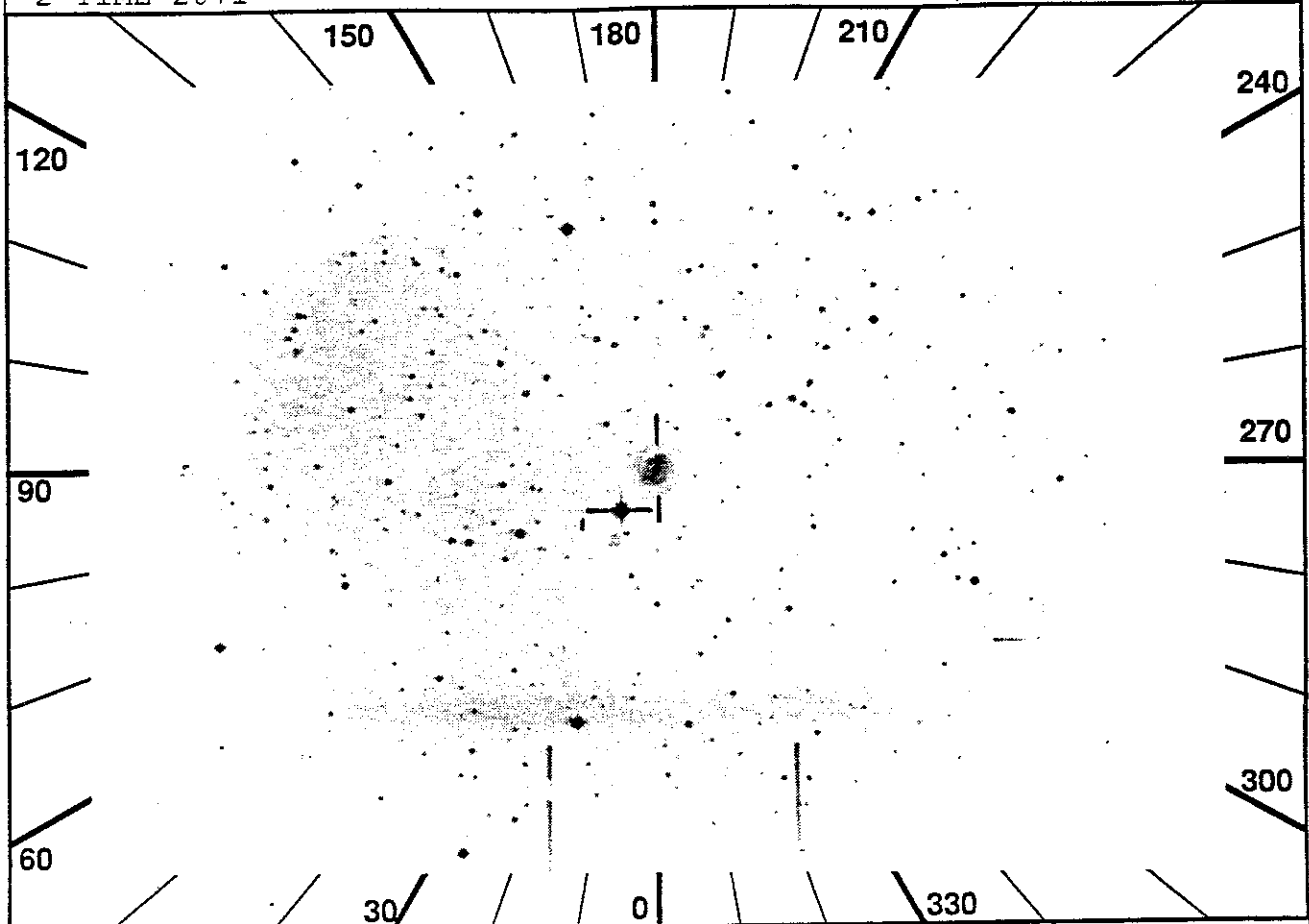
UIT
Observation Description

1 RA 174.1375 DEC -37.4614 ROLL 192.80

ID 8118-12

2 TIME 2071

NAME NGC3783



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H 218	ede ^{src} sim	14	10	3.3	5	7	4	---	---	---	---	---	---		
4	W 260	ncn ngd	13	15	1.0		2	2	60	2	2	---	---	---	FNTLOC	BKG1
5	U 233	DT -		T F	31	a5	93	b1								

```

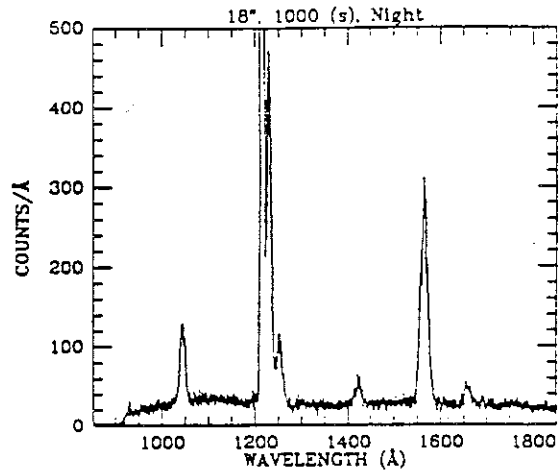
6 JAC ITEM 16 0 20 All BEGIN
7 Config H W U 21 W *IF WUP Deconfig
8 ----- 22 W * WUP ITEM 11 F_+1
9 JAC All SETUP 23 W * Cur/ITEM 6 In fld, zm
10 W Chk Stat -LOC -CUR RDY 24 W * WUP ITEM 4 (Cur off)
11 IMC BEGIN 25 W * WUP ITEM 7 (Begin)
12 HUT ITEM 5 26 W * Config with WUP
13 W WUP tgt= HUT faint star 27 W NOTE: WUP 1st seq = BKG
14 W *IF WUP target visible 28 JOB Observe
15 W * WUP PFK cur to target 29 JAC All PREVIEW
16 W * WUP ITEM 6 (Cntr) 30 All QUIT
17 W * WUP ITEM 4 (Cur off) 31 -----
18 W *ELSE 32 JAC ITEM 16_1
19 W * Config without WUP

```

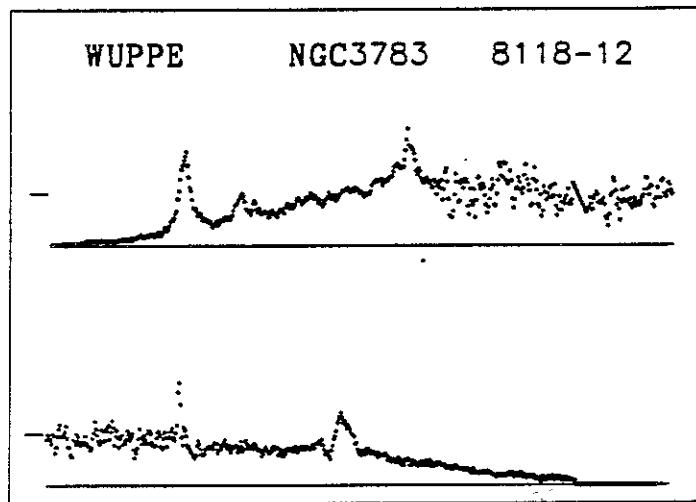
Seyfert one.

1

OBJECT: NGC 3783
KEYWORDS: Seyfert 1
COMMENTS:
Z = 0.00913



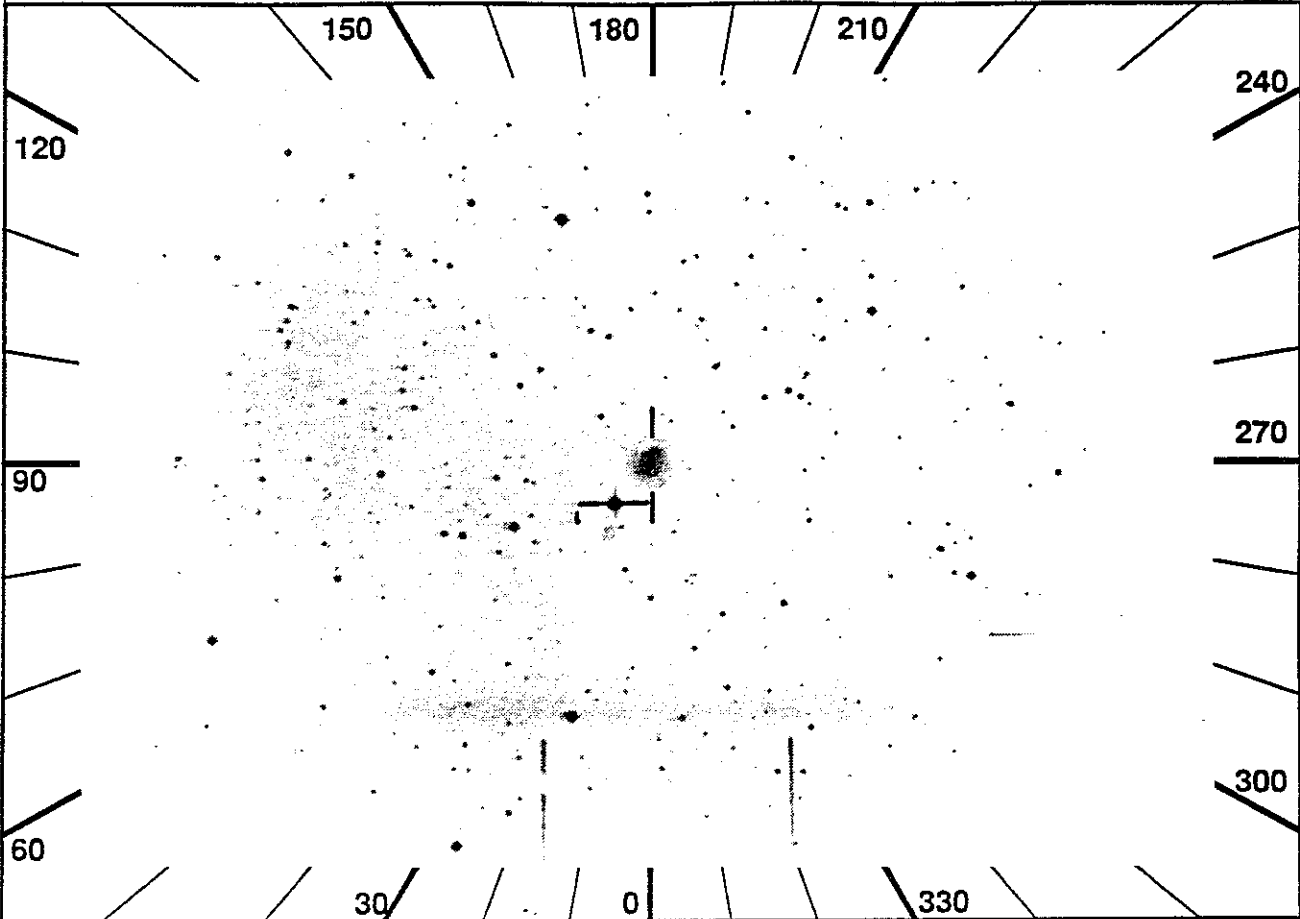
ID: 8118-12
Names: NGC3783
Type: Seyfert I
% Pol: 0.46
Pol Var: yes
Pos Ang: 112.2
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 174.1375 DEC -37.4614 ROLL 192.80
 2 TIME 1499

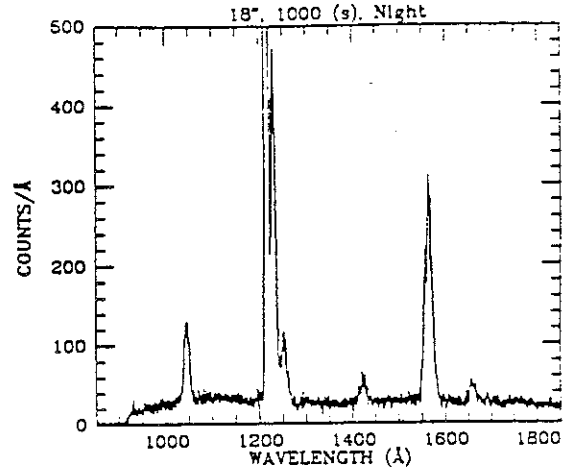
ID 8118-13
 NAME NGC3783



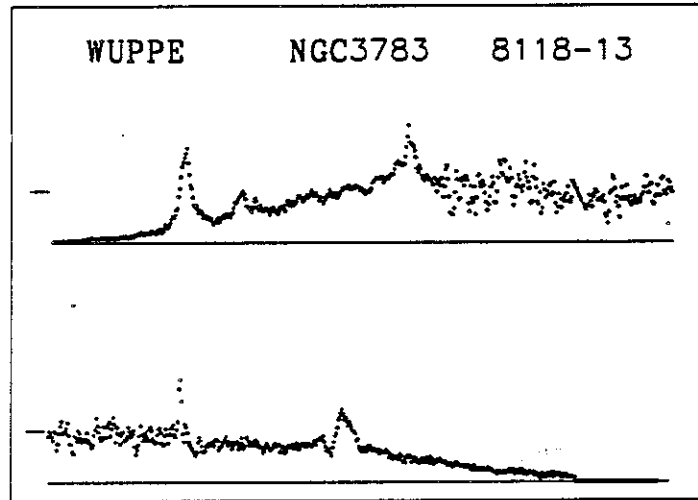
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	S H	275	src sim	14	10	2.8	5	7	4	---	---	---	---	---			
4	W	260	ncn nqd	13	15	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1	
5	U	234	DT	-	T F	125	b5	6	b6	-	-	-	-	-			
6	JAC	ITEM 16 0					20	All BEGIN									
7		Config H W U					21	W	*IF WUP Deconfig								
8		-----					22	W	* WUP ITEM 11 F_+1								
9	JAC	All SETUP					23	W	* Cur/ITEM 6 in fld, zm								
10	W	Chk Stat -LOC -CUR RDY					24	W	* WUP ITEM 4 (Cur off)								
11		IMC BEGIN					25	W	* WUP ITEM 7 (Begin)								
12		HUT ITEM 5					26	W	* Config with WUP								
13	W	WUP tgt= HUT faint star					27	W	NOTE: WUP 1st seq = BKG								
14	W	*IF WUP target visible					28	JOB Observe									
15	W	* WUP PFK cur to target					29	JAC	All PREVIEW								
16	W	* WUP ITEM 6 (Cntr)					30	All QUIT									
17	W	* WUP ITEM 4 (Cur off)					31	-----									
18	W	*ELSE					32	JAC	ITEM 16_1								
19	W	* Config without WUP															

Seyfert one
 1

OBJECT: NGC 3783
KEYWORDS: Seyfert 1
COMMENTS:
Z = 0.00913



ID: 8118-13
Names: NGC3783
Type: Seyfert I
% Pol: 0.46
Pol Var: yes
Pos Ang: 112.2
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.



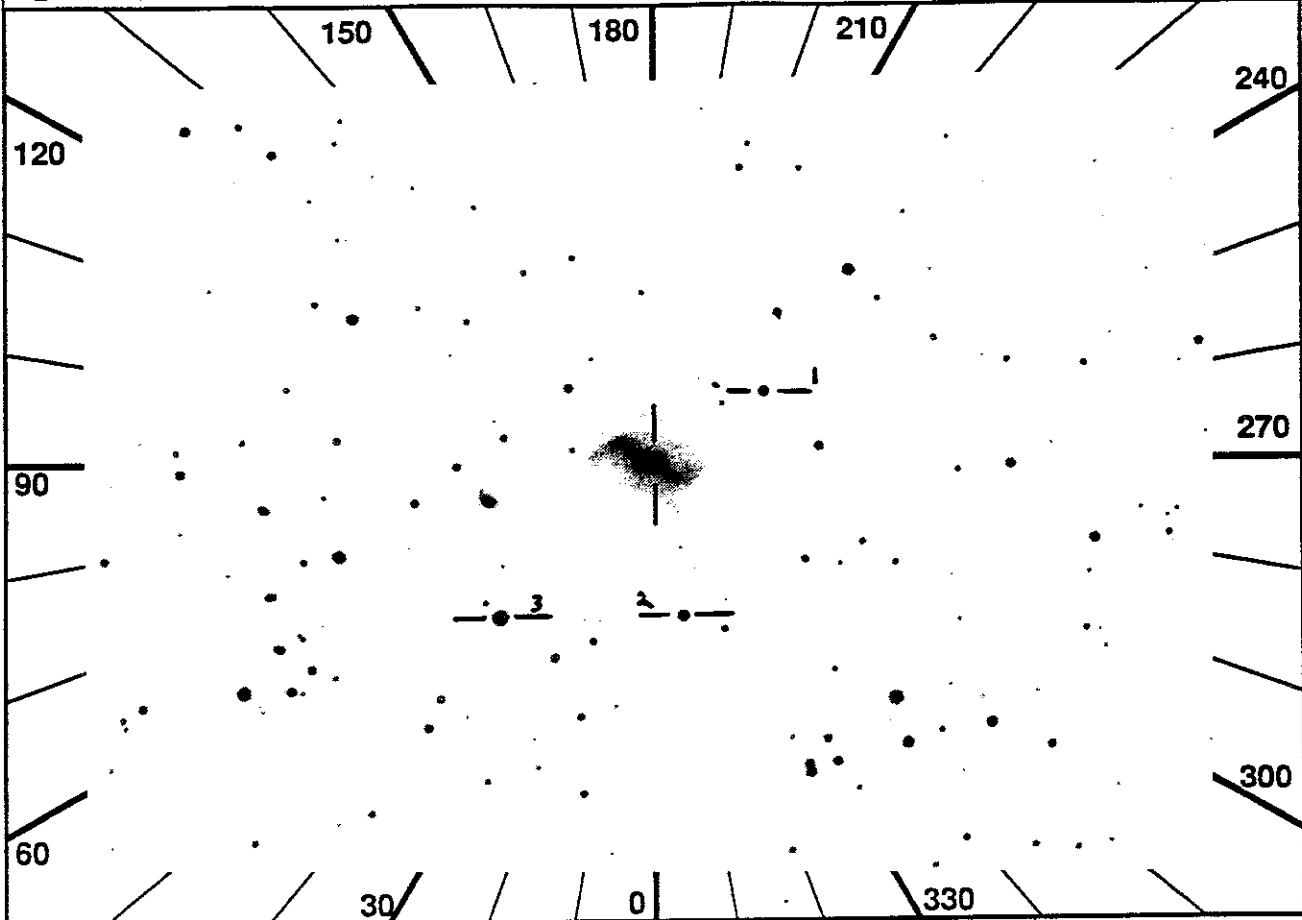
UIT
Observation Description

1 RA 189.2667 DEC -5.0697 ROLL 25.00

ID 8119-11

2 TIME 1428

NAME NGC4593



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	329	src sim	15	13	3.2	5	7	4	---	---	---	---	---			
4	W	154	ncn ngd	13	13	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1	
5	U	193	DT -	T F	62	a2	62	a4	31	a1	31	b1	-	-			
6	JAC	ITEM 16 0						20	All BEGIN								
7		Config H W U						21	W	*IF WUP Deconfig							
8		-----						22	W	* WUP ITEM 11 F +1							
9	JAC	All SETUP						23	W	* Cur/ITEM 6 In fld, zm							
10	W	Chk Stat -LOC -CUR RDY						24	W	* WUP ITEM 4 (Cur off)							
11		IMC BEGIN						25	W	* WUP ITEM 7 (Begin)							
12		HUT ITEM 5						26	W	* Config with WUP							
13	W	WUP tgt= HUT faint star						27	W	NOTE: WUP 1st seq = BKG							
14	W	*IF WUP target visible						28	JOB	Observe							
15	W	* WUP PFK cur to target						29	JAC	All PREVIEW							
16	W	* WUP ITEM 6 (Cntr)						30		All QUIT							
17	W	* WUP ITEM 4 (Cur off)						31	-----								
18	W	*ELSE						32	JAC	ITEM 16_1							
19	W	* Config without WUP															

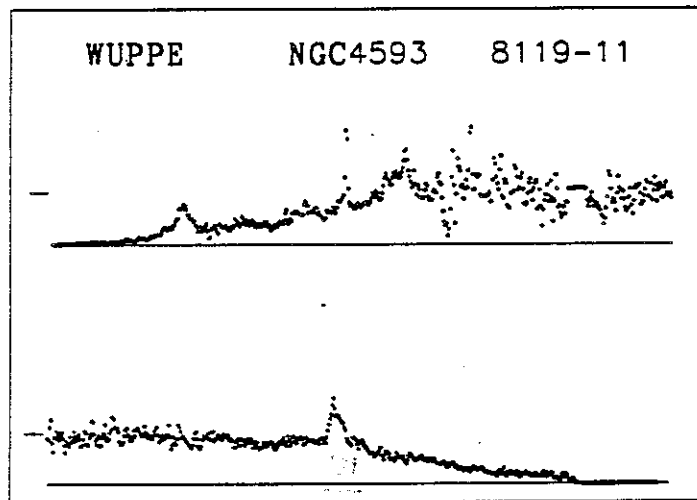
Seyfert nuc

1

Spectrum Not Available

HUT
Spectrum and Observation Description

ID: 8119-11
Names: NGC4593
Type: Seyfert
Pol: 0.52
Pol Var:
Pos Ang: 39.6
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.
Co-pointing with BBXRT.



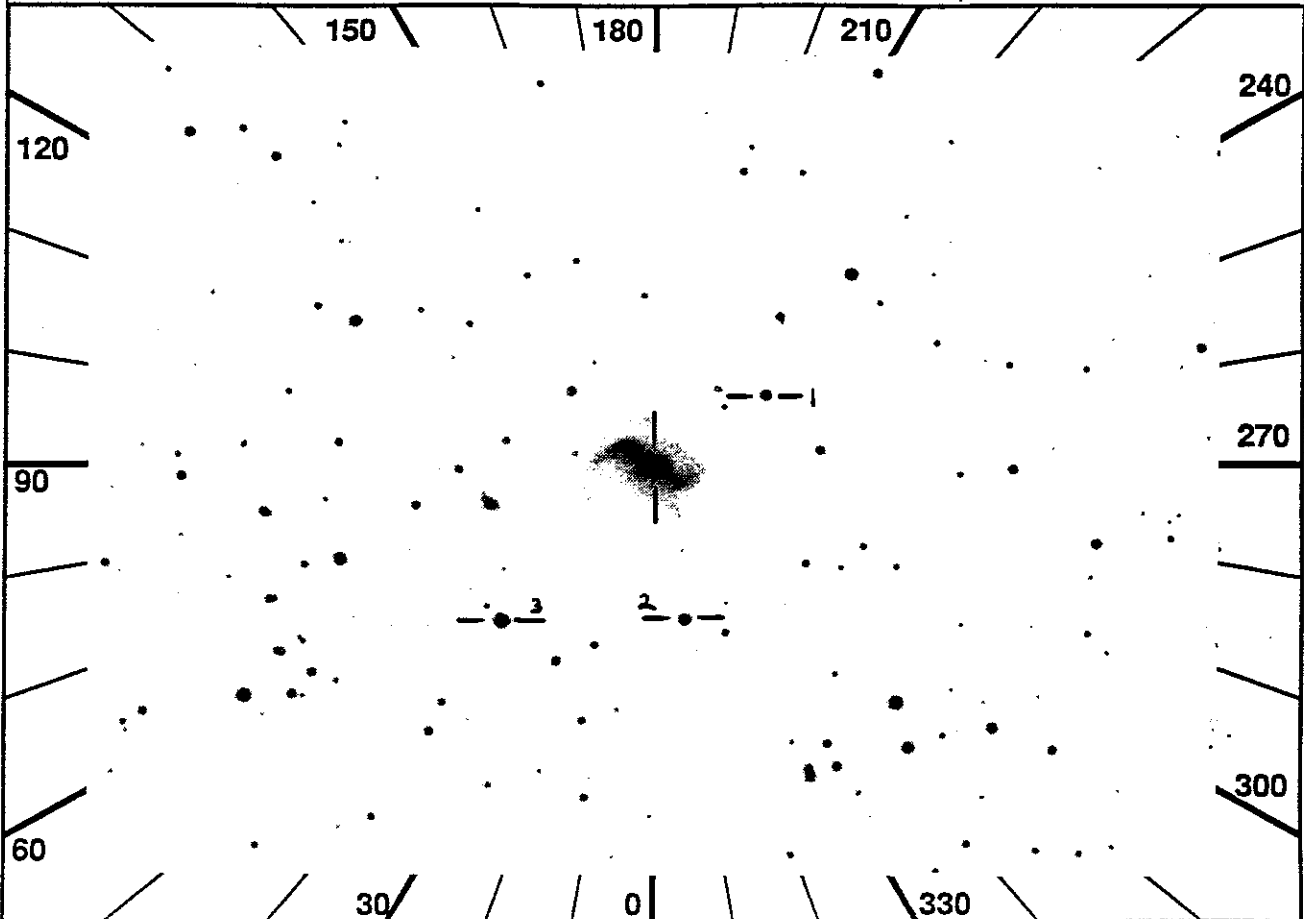
UIT
Observation Description

1 RA 189.2667 DEC -5.0697 ROLL 25.00

ID 8119-12

2 TIME 790

NAME NGC4593



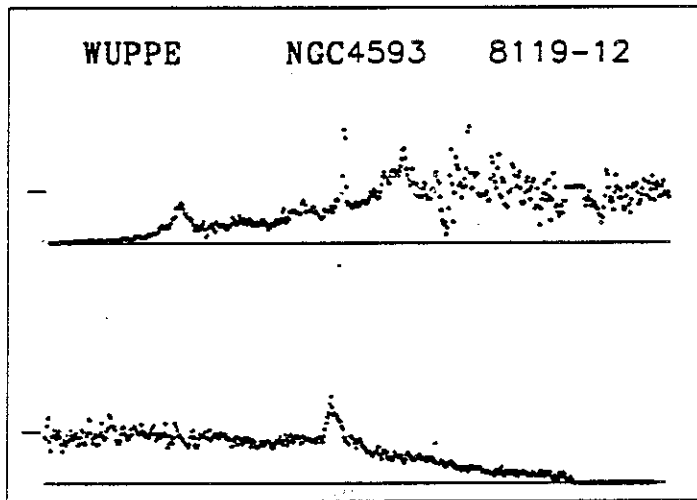
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	365	src sim	15	¹⁵ 13	3.2	5	7	4	---	---	---	---	---			
4	W	154	ncn ngd	13	13	1.0		2	2	60	2	2	---	---	FNTLOC	BKG1	
5	U	246	DT -	T F	31	a5	31	b5	-	-	-	-	-	-			
6	JAC	ITEM 16 0					20	All BEGIN									
7		Config H W U					21	W	*IF WUP Deconfig								
8		-----					22	W	* WUP ITEM 11 F ₊₁								
9	JAC	All SETUP					23	W	* Cur/ITEM 6 In ₋ fld, zm								
10	W	Chk Stat -LOC -CUR RDY					24	W	* WUP ITEM 4 (Cur off)								
11		IMC BEGIN					25	W	* WUP ITEM 7 (Begin)								
12		HUT ITEM 5					26	W	* Config with WUP								
13	W	WUP tgt= HUT faint star					27	W	NOTE: WUP 1st seq = BKG								
14	W	*IF WUP target visible					28	JOB Observe									
15	W	* WUP PFK cur to target					29	JAC	All PREVIEW								
16	W	* WUP ITEM 6 (Cntr)					30	All QUIT									
17	W	* WUP ITEM 4 (Cur off)					31	-----									
18	W	*ELSE					32	JAC	ITEM 16_1								
19	W	* Config without WUP															

Seyfert nuc.
1

Spectrum Not Available

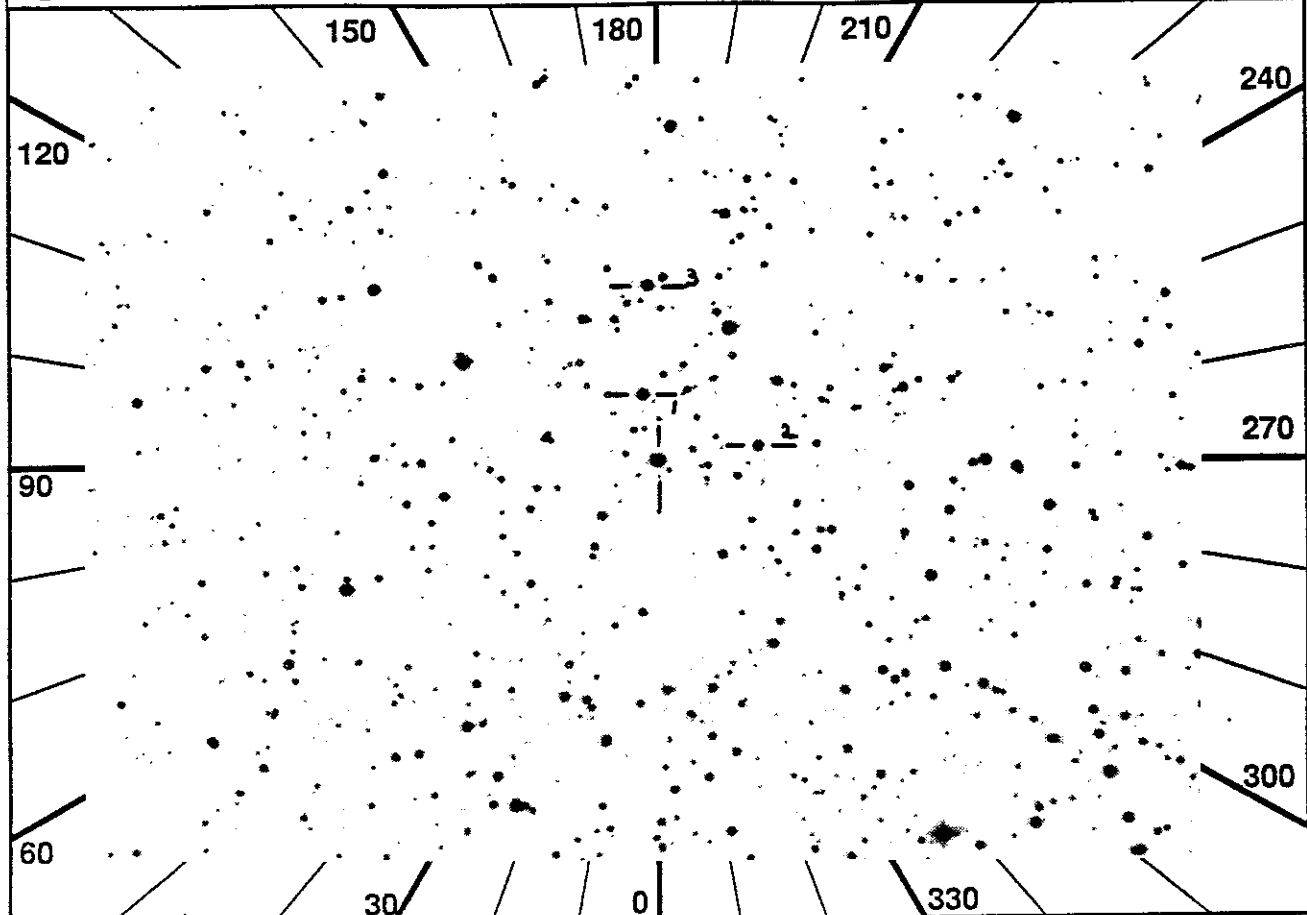
HUT
Spectrum and Observation Description

ID: 8119-12
Names: NGC4593
Type: Seyfert
% Pol: 0.52
Pol Var:
Pos Ang: 39.6
Mechanism: foreground dust?
Comments: little known about
pol; may be too faint for
WUPPE; first seq is offset
to obtain bkgd.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 310.3594 DEC -10.9050 ROLL 358.49 ID 8126-11
 2 TIME 2353 NAME MKN509



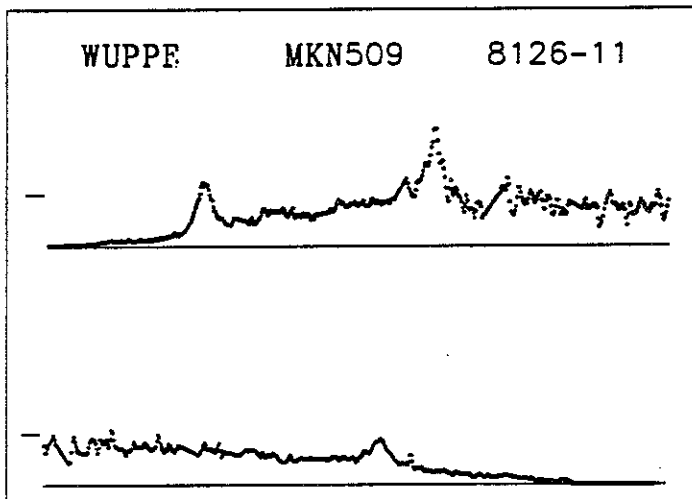
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	311	src sim	14	14	2.8	5	7	4	---	---	---	---	---			
4	W	261	ncn ngd	13	11	2.6		2	2	---	2	2	60	---	FNTLOC	BKG2	
5	U	241	DT 169	T F	62	a1	31	a2	31	a5							
6	JAC	ITEM 16_0					20	All BEGIN									
7		Config H W U					21	W	*IF WUP Deconfig								
8		-----					22	W	* WUP ITEM 11 F +1								
9	JAC	All SETUP					23	W	* Cur/ITEM 6 in fld, zm								
10	W	Chk Stat -LOC -CUR RDY					24	W	* WUP ITEM 4 (Cur off)								
11		IMC BEGIN					25	W	* WUP ITEM 7 (Begin)								
12		HUT ITEM 5					26	W	* Config with WUP								
13	W	WUP tgt= HUT faint star					27	W	NOTE: WUP last seq = BKG								
14	W	*IF WUP target visible					28	JOB	Observe								
15	W	* WUP PFK cur to target					29	JAC	All PREVIEW								
16	W	* WUP ITEM 6 (Cntr)					30		All QUIT								
17	W	* WUP ITEM 4 (Cur off)					31		-----								
18	W	*ELSE					32	JAC	ITEM 16_1								
19	W	* Config without WUP															

Seyfert nuc.
1

Spectrum Not Available

HUT
Spectrum and Observation Description

ID: 8126-11
Names: MKN509
Type: QSO/SY
Pol: 1.18
Pol Var: yes
Pos Ang: 152.6
Mechanism: non-thermal?
Comments: variation similar
to that seen in NGC 4151;
well-studied pol; second seq
is offset to obtain bkgd.
HUT prime target - is in
WUPPE PTL.
Co-pointing with BBXRT.



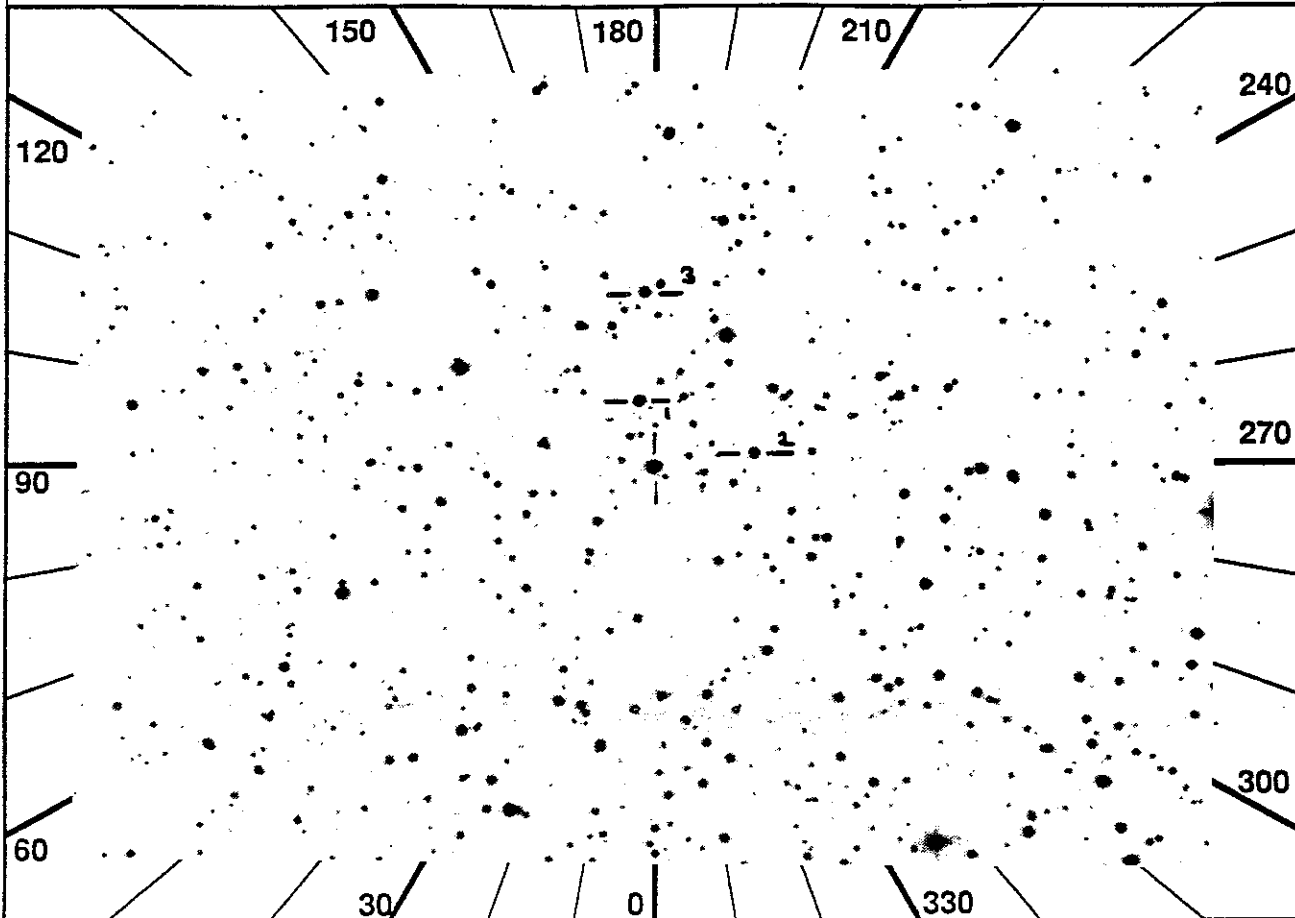
UIT
Observation Description

1 RA 310.3594 DEC -10.9050 ROLL 358.49

ID 8126-12

2 TIME 2609

NAME MKN509



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	313	src sim	14	14	2.8	5	7	4	---	---	---	---	---		
4	W	261	ncn ngd	13	11	2.6		2	2	---	60	---	---	---	FNTLOC	BKG2
5	U	186	DT -	T F	62	b1	93	b5	---	---	---	---	---	---	LTSTRT	
6	JAC	ITEM 16 0					22	W	*IF WUP Deconfig							
7		Config H W U					23	W	* WUP ITEM 11 F +1							
8		-----					24	W	* Cur/ITEM 6 In fld, zm							
9	JAC	All SETUP					25	W	* WUP ITEM 4 (Cur off)							
10	W	Chk Stat -LOC -CUR RDY					26	W	* WUP ITEM 7 (Begin)							
11		IMC BEGIN					27	W	* Config with WUP							
12		HUT ITEM 5					28	W	NOTE: WUP last seq = BKG							
13	W	WUP tgt= HUT faint star					29	U	JOB	Wait for TIME AVAIL 2184						
14	W	*IF WUP target visible					30	U	UIT BEGIN							
15	W	* WUP PFK cur to target					31	U	JAC	Config with UIT						
16	W	* WUP ITEM 6 (Ctr)					32		JOB	Observe						
17	W	* WUP ITEM 4 (Cur off)					33	JAC	All PREVIEW							
18	W	*ELSE					34		All QUIT							
19	W	* Config without WUP					35		-----							
20	U	Config without UIT					36	JAC	ITEM 16_1							
21		All BEGIN														

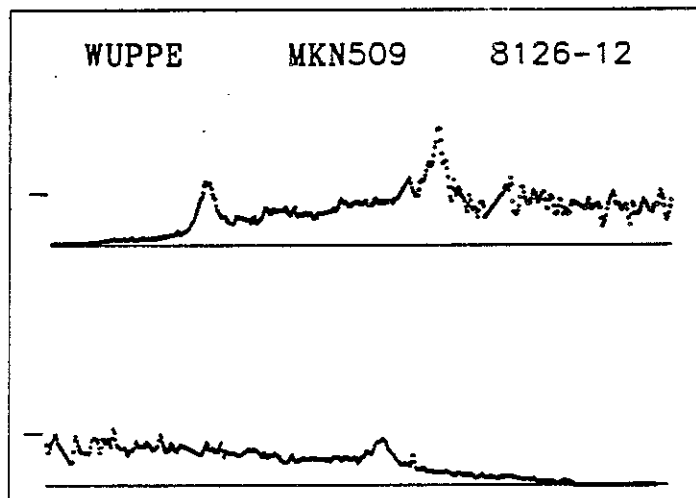
Seyfert one.

1

Spectrum Not Available

HUT
Spectrum and Observation Description

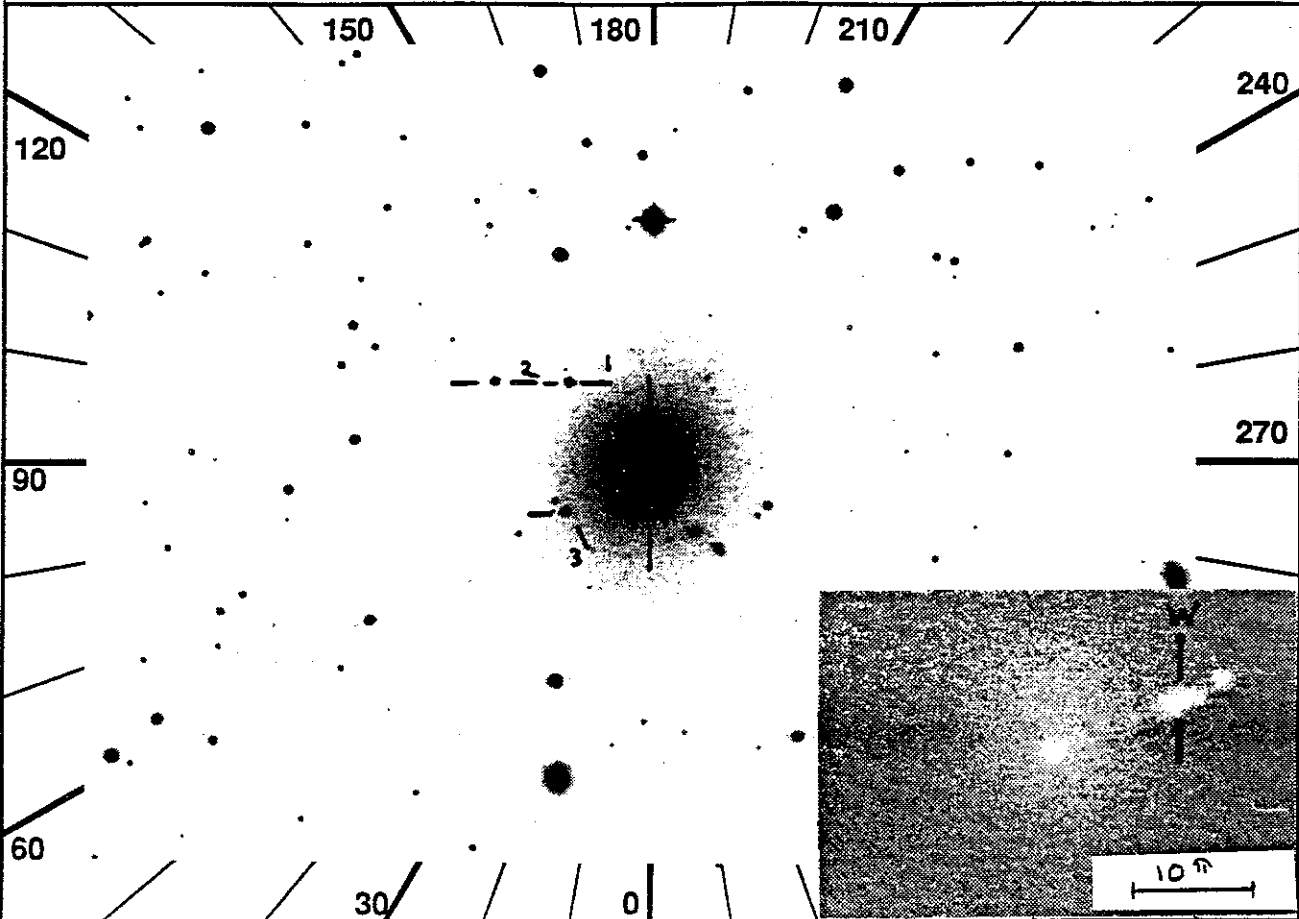
ID: 8126-12
Names: MKN509
Type: QSO/SY
% Pol: 1.18
Pol Var: yes
Pos Ang: 152.6
Mechanism: non-thermal?
Comments: variation similar
to that seen in NGC 4151;
well-studied pol; second seq
is offset to obtain bkgd.
HUT prime target - is in
WUPPE PTL.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 187.0731 DEC 12.6672 ROLL 254.59
 2 TIME 1524

ID 8307-10
 NAME M87



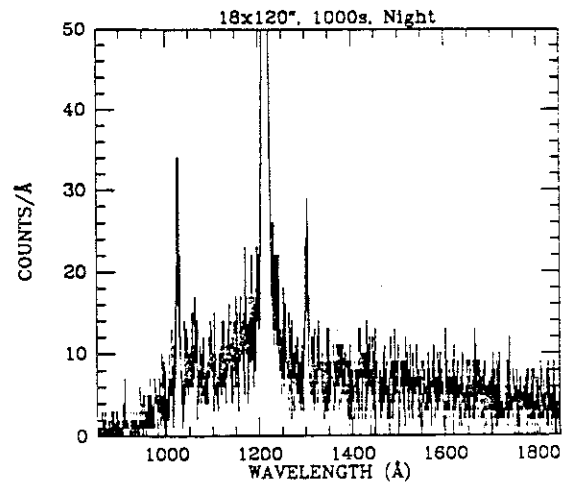
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	45	src sim	16 16	3.2 5	6	1	---	---	---	---	---	---	---	W DARK	
4	W	263	ncn ngd	15 15	1.4	6	4	12	---	---	---	---	---	---	NUCLOC	DFLD
5	P	U	203	DT	-	T	F	31 a1	31 b1	31 b5	-	-	-	-		AST4SC
6	I			CMD	WRI	3900			24	W						*ELSE
7	I			F007F0010FA0	(4s upd)				25	W						* Config without WUP
8	I	IMC	CHK	AST	WAC	incr	once/4s		26	W						WUP ITEM 11 DF
9	JAC			ITEM	16	0			27	W						WUP wait CAM MODE ZOOM
10				Config	H	W	U		28							All BEGIN
11				-----					29	W						*IF WUP Deconfig
12	JAC			All	SETUP				30	W						* WUP ITEM 11 F+1
13	H	-		Note:	faint	target--if			31	W						* Cur/ITEM 6 In fld, zm
14	H			necessary	wait	until			32	W						* WUP ITEM 4 (Cur off)
15	H			night	to	acquire.			33	W						* WUP ITEM 7 (Begin)
16	W	JAC		Chk	Stat	-LOC	-CUR	RDY	34	W						* Config with WUP
17				IMC	BEGIN				35							JOB Observe
18				HUT	ITEM	5			36	JAC						All PREVIEW
19	W			WUP	tgt	is	gal	nucleus ?	37							All QUIT
20	W			*IF	WUP	target	visible		38							-----
21	W			* WUP	PFK	cur	to	target	39	JAC						ITEM 16 1
22	W			* WUP	ITEM	6	(Cntr)		40	I						CMD ISS_3908 (1s upd)
23	W			* WUP	ITEM	4	(Cur	off)								

WUPPE INCONSISTENCY

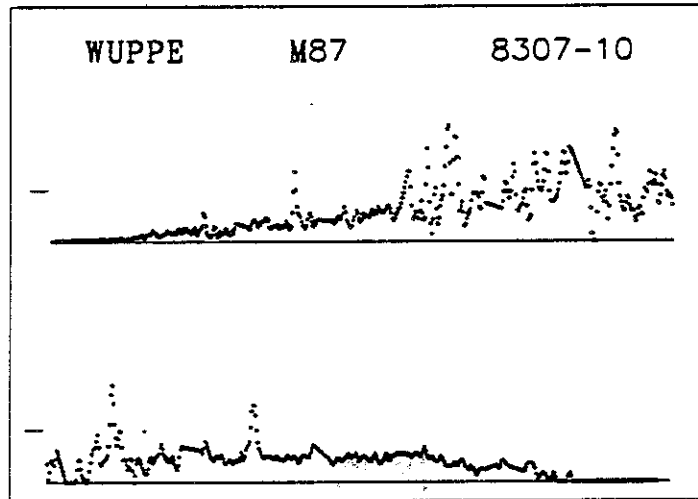
OBJECT: 8307 M87 (NGC4486)
KEYWORDS: Elliptical Galaxy
COMMENTS:
Pointing at nucleus

Simulation assumes B3V star spectrum
(Matches slope of IUE continuum)
Scaled for expected HUT flux

Look for emission lines



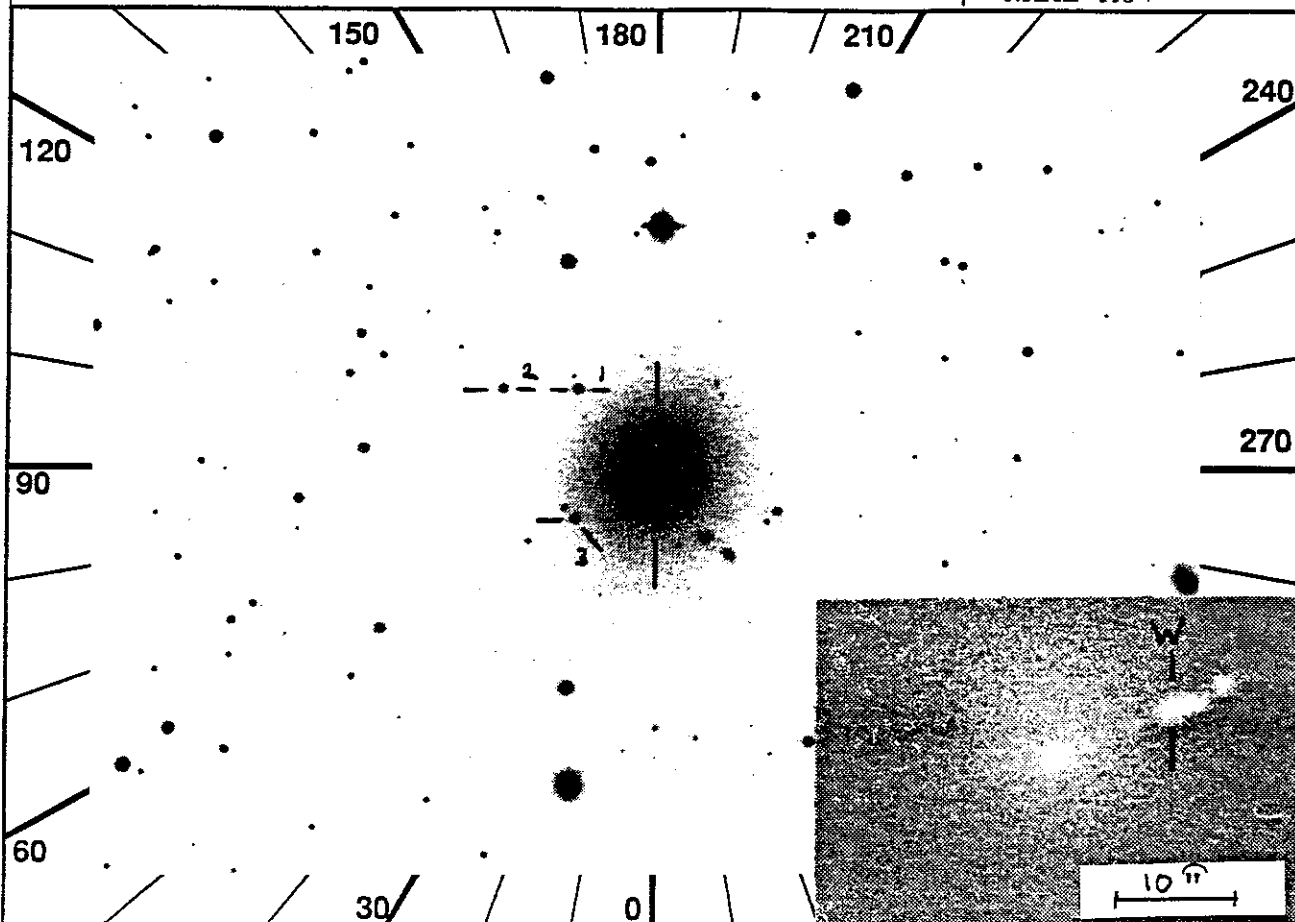
ID: 8307-10
Names: M87 NGC4486
Type:
% Pol: ~30
Pol Var:
Pos Ang:
Mechanism: synchrotron
Comments: Offset to brightest
knot (A) in M87 jet; jet is at
PA=290deg; slit almost
perpendicular to jet.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 187.0731 DEC 12.6672 ROLL 254.59
 2 TIME 1857

ID 8307-20
 NAME M87



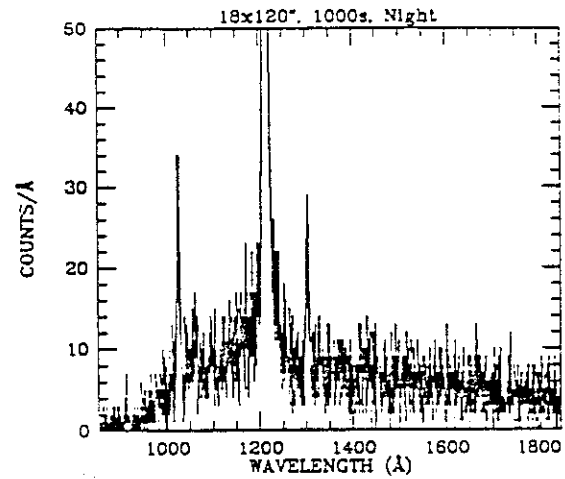
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	75	src sim	16	16	3.2	5	6	1	---	---	---	---	---	---	---	W DARK	
4	W	214	ncn ngd	15	15	1.4		6	4	12	---	---	---	---	---	---	NUCLOC	
5	P	U	208	DT	-	T	F	62	a2	62	a5	62	b3	6	b6	---	---	AST4SC
6	I		CMD	WRI	3900			23	W			*	WUP	ITEM	4		(Cur off)	
7	I		F007F0010FA0		(4s upd)			24	W			*	ELSE					
8	I	IMC	CHK	AST	WAC	incr	once/4s	25	W			*	Config	without	WUP			
9	JAC		ITEM	16	0			26					All	BEGIN				
10			Config	H	W	U		27	W			*	IF	WUP	Deconfig			
11			-----					28	W			*	WUP	ITEM	11	F	+1	
12	JAC		All	SETUP				29	W			*	Cur/ITEM	6	In	fld,	zm	
13	H	-	Note:	faint	target--if			30	W			*	WUP	ITEM	4		(Cur off)	
14	H		necessary	wait	until			31	W			*	WUP	ITEM	7		(Begin)	
15	H		night	to	acquire.			32	W			*	Config	with	WUP			
16	W	JAC	Chk	Stat	-LOC	-CUR	RDY	33		JOB	Observe							
17			IMC	BEGIN				34		JAC	All	PREVIEW						
18			HUT	ITEM	5			35			All	QUIT						
19	W		WUP	tgt	is	gal	nucleus	36			-----							
20	W		*IF	WUP	target	visible		37		JAC	ITEM	16	1					
21	W		* WUP	PFK	cur	to	target	38	I		CMD	ISS	3908				(1s upd)	
22	W		* WUP	ITEM	6	(Cntr)												

elliptical galaxy

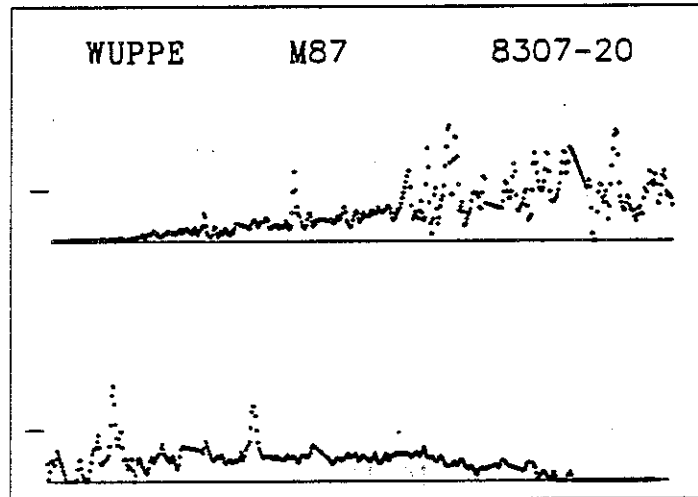
OBJECT: 8307 M87 (NGC4486)
KEYWORDS: Elliptical Galaxy
COMMENTS:
Pointing at nucleus

Simulation assumes B3V star spectrum
(Matches slope of IUE continuum)
Scaled for expected HUT flux

Look for emission lines



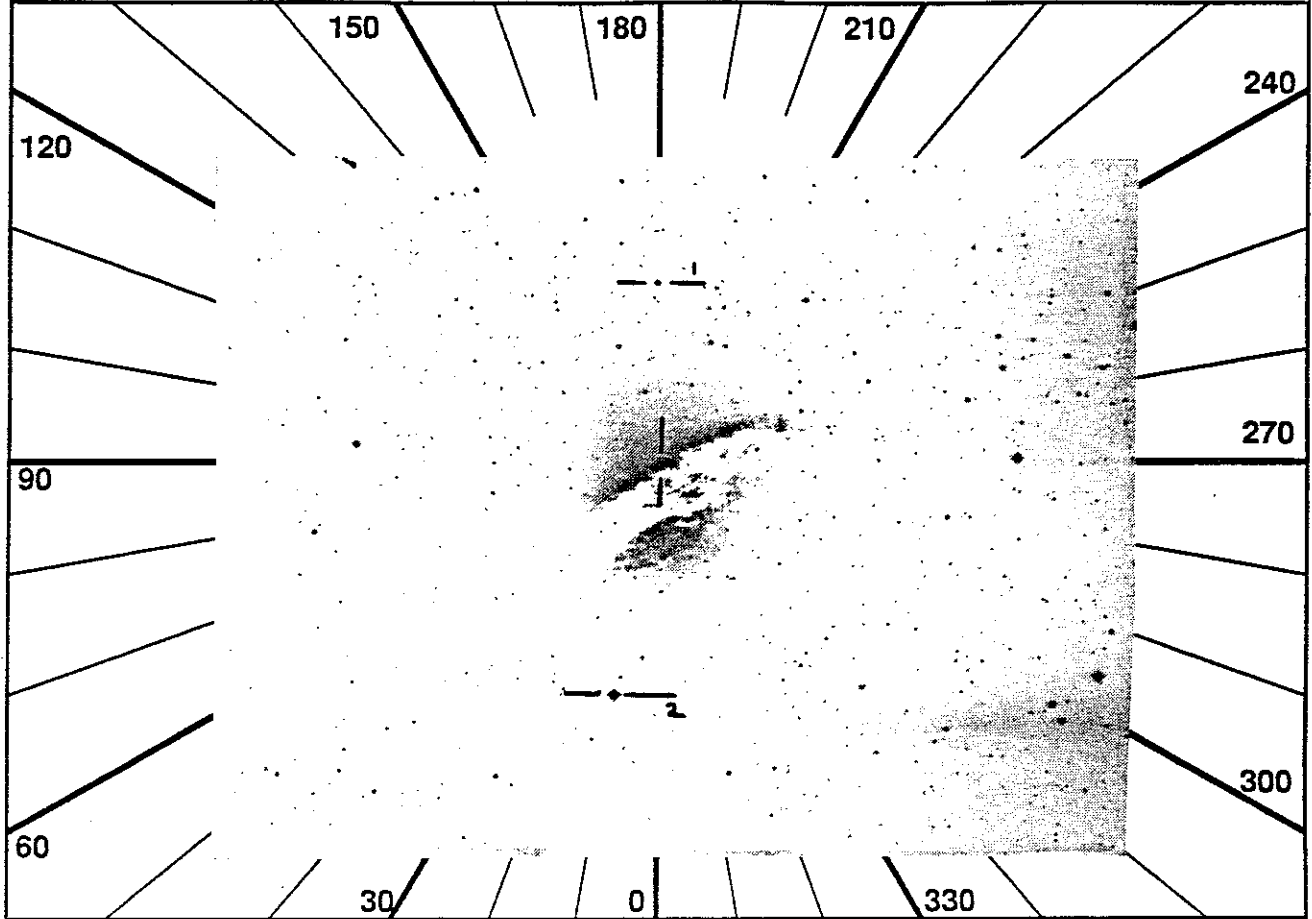
ID: 8307-20
Names: M87 NGC4486
Type:
% Pol: ~30
Pol Var:
Pos Ang:
Mechanism: synchrotron
Comments: Offset to brightest
knot (A) in M87 jet; jet is at
PA=290deg; slit almost
perpendicular to jet.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 200.6340 DEC -42.7444 ROLL 330.00
 2 TIME 1670

ID 8310-10
 NAME CEN-A



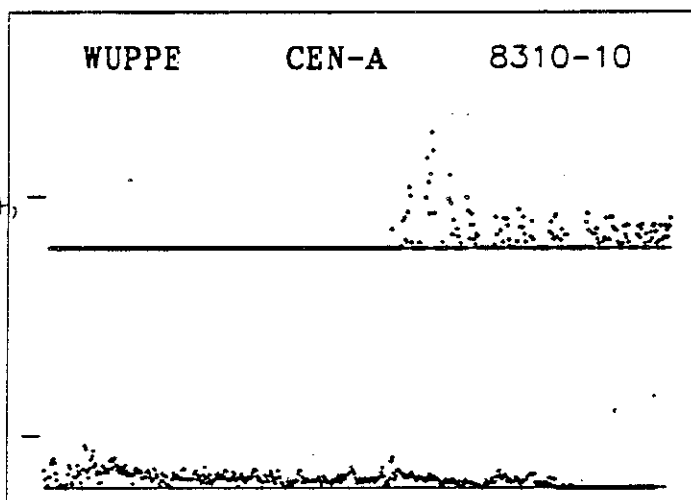
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	148	gde	sim	13	12	3.2	5	6	1	---	---	---	---	LCDATA	
4	W	264	ncn	ngd	15	15	1.8		7	4	71	---	---	---	NUCLOC	DFLD
5	P	U	101	DT	-	T	F	31	a1	31	b1	---	---	---		
6	JAC	ITEM 16 0							20	W	WUP ITEM 11 DF					
7		Config H W U							21	W	WUP wait CAM MODE ZOOM					
8		-----							22		All BEGIN					
9	JAC	All SETUP							23	W	*IF WUP Deconfig					
10	W	Chk Stat		-LOC	-CUR	RDY			24	W	* WUP ITEM 11 F+1					
11		IMC BEGIN							25	W	* Cur/ITEM 6 In fld, zm					
12		HUT ITEM 5							26	W	* WUP ITEM 4 (Cur off)					
13	W	WUP tgt is gal nucleus							27	W	* WUP ITEM 7 (Begin)					
14	W	*IF WUP target visible							28	W	* Config with WUP					
15	W	* WUP PFK cur to target							29	JOB	Observe					
16	W	* WUP ITEM 6 (Cntr)							30	JAC	All PREVIEW					
17	W	* WUP ITEM 4 (Cur off)							31		All QUIT					
18	W	*ELSE							32		-----					
19	W	* Config without WUP							33	JAC	ITEM 16_1					

dit 11 to dust lane, just above
 2

Spectrum Not Available

HUT
Spectrum and Observation Description.

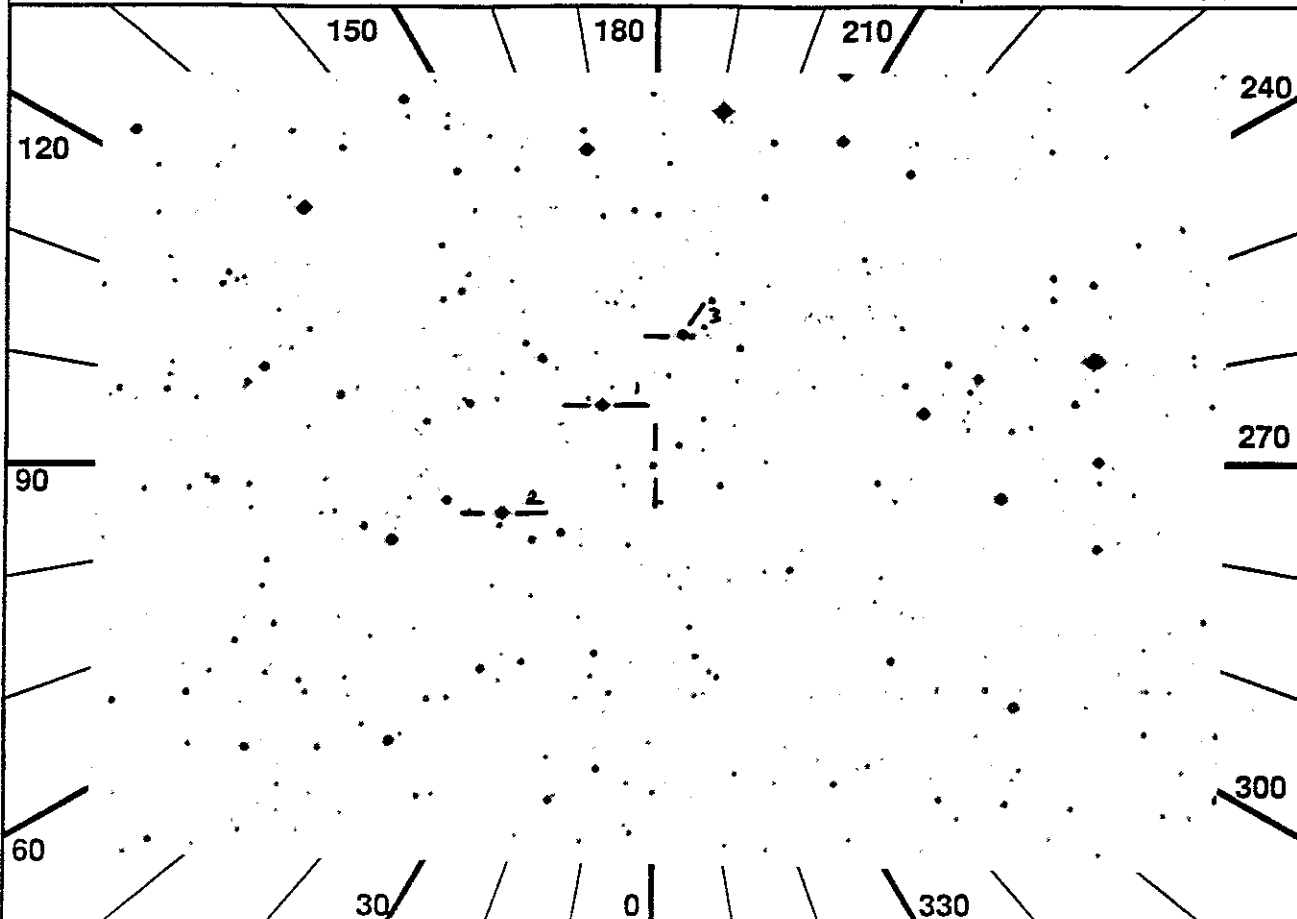
ID: 8310-10
Names: CEN-A NGC5128
Type:
% Pol:
Pol Var:
Pos Ang:
Mechanism: dust scattering?
Comments: long slit displacement,
parallel to the dark lane.
Co-pointing with BBXRT.
Observing same position as HUT



UIT
Observation Description

1 RA 89.6442 DEC -50.4486 ROLL 230.50
 2 TIME 1976

ID 8407-11
 NAME 0558-504

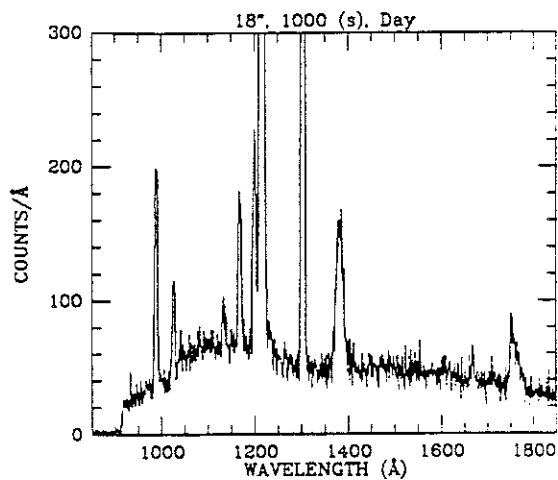


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	S H	147	src sim	15	13	3.2	5	7	4	---	---	---	---	---	SAA	AC	
4	W	265	ncn ngd	15	13	2.0		2	2	---	2	2	60	---	FNTLOC	BKG2	
5	U	219	DT -	T F	156	a2	156	a4	-	-	-	-	-	-			
6	H	-	VIP ON until SAA exit				23	H	JAC	ITEM 16 0							
7	W	JAC	Config H W U				24	H		HUT SETUP							
8			-----				25	H		Chk HUT Stat -LOC							
9	H	-	Note: Acquisition in SAA				26			All BEGIN							
10	JAC		All SETUP				27	W		*IF WUP Deconfig							
11	J		Chk Stat - -CUR RDY				28	W		* WUP ITEM 11 F +1							
12	H	TV	Verify HUT acq on TV				29	W		* Cur/ITEM 6 In fld, zm							
13	JAC		IMC BEGIN				30	W		* WUP ITEM 4 (Cur off)							
14			HUT ITEM 5				31	W		* WUP ITEM 7 (Begin)							
15	W		WUP tgt= HUT faint star				32	W		* Config with WUP							
16	W		*IF WUP target visible				33	W		NOTE: WUP last seq = BKG							
17	W		* WUP PFK cur to target				34		JOB	Observe							
18	W		* WUP ITEM 6 (Cntr)				35	JAC		All PREVIEW							
19	W		* WUP ITEM 4 (Cur off)				36			All QUIT							
20	W		*ELSE				37			-----							
21	W		* Config without WUP				38	JAC		ITEM 16_1							
22	H	-	After SAA exit														

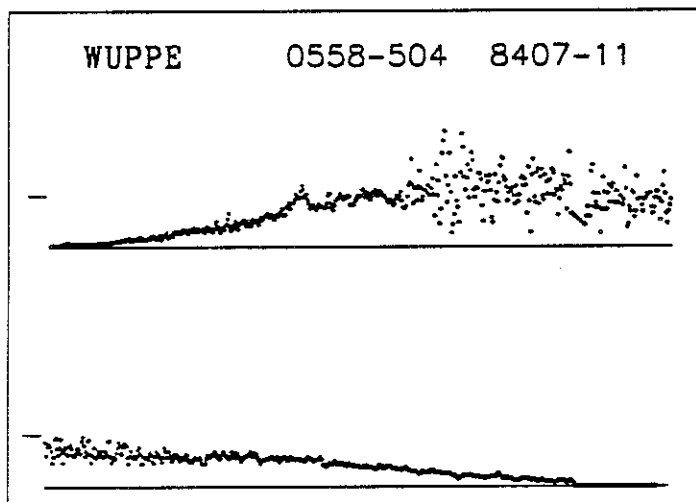
low z QSO BBB

1

OBJECT: PKS 0558-504
KEYWORDS: Quasar
COMMENTS:
Z = 0.137



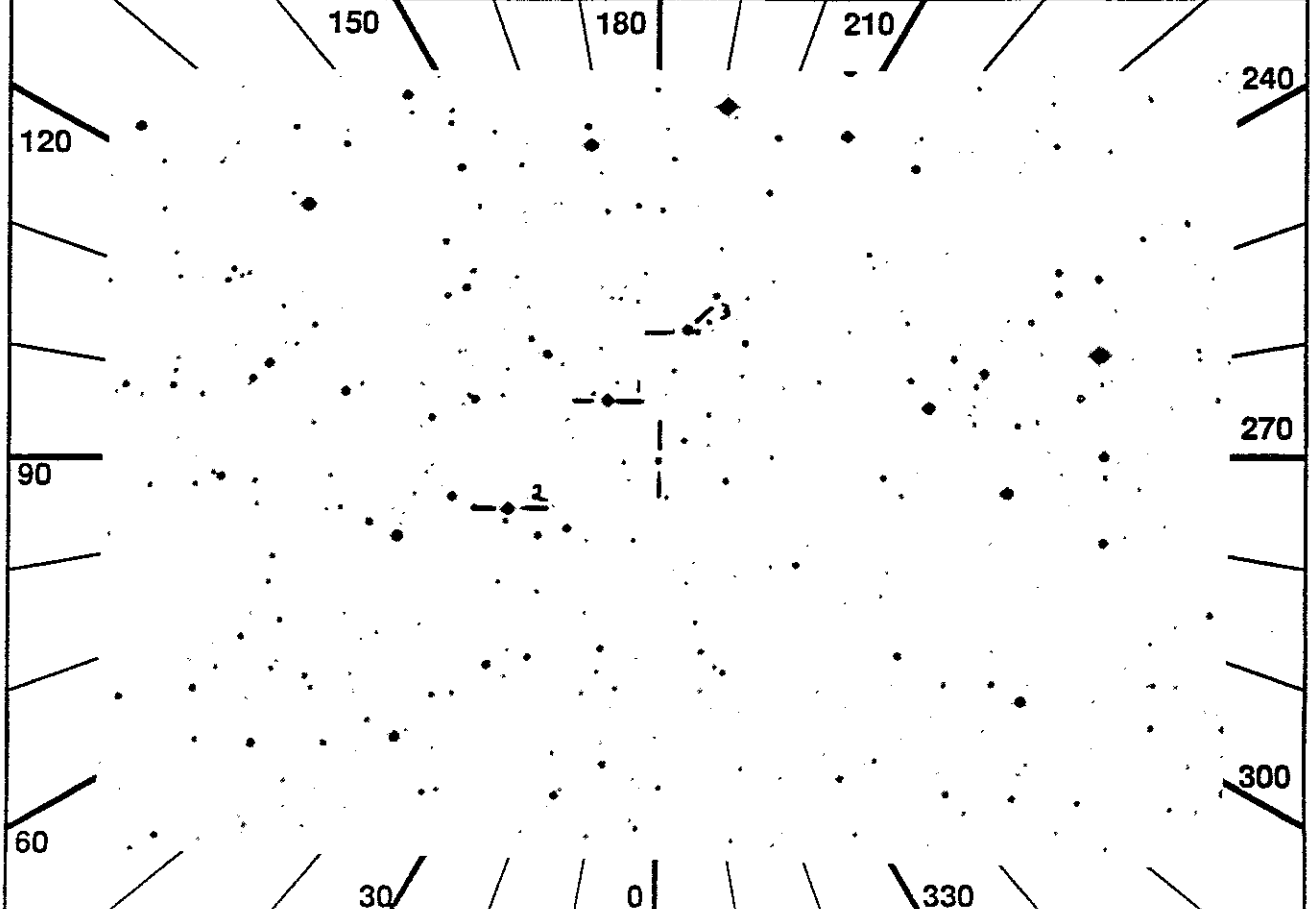
ID: 8407-11
Names: 0558-504 PKS
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs ends with
an offset and integration
on the background.



UIT
Observation Description

1 RA 89.6442 DEC -50.4486 ROLL 230.50
 2 TIME 2008

ID 8407-12
 NAME 0558-504

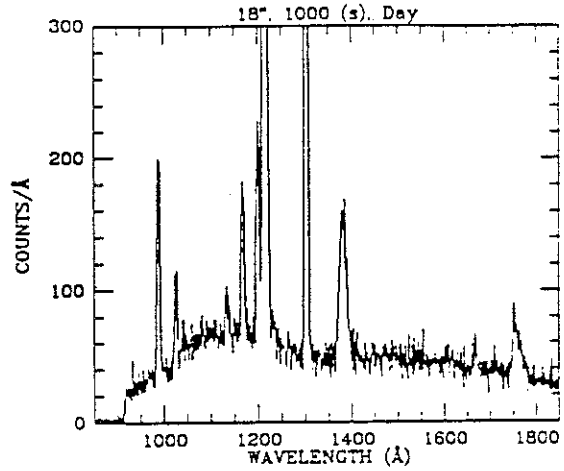


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	251	src sim	15	13	3.2	5	7	4	---	---	---	---	---	SAA	AC
4	W	265	ncn nqd	15	13	2.0		2	2	---	2	2	60	---	FNTLOC	BKG2
5	U	223	DT -			T F	156	b5								

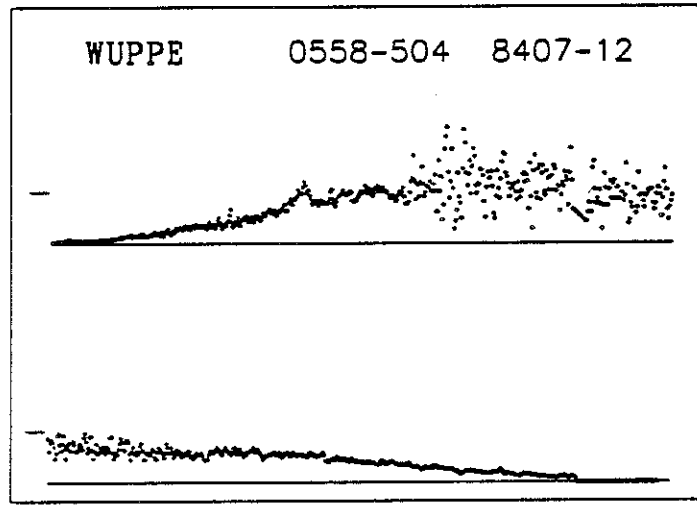
6 H -	VIP ON until SAA exit	23 H	JAC	ITEM 16_0
7	JAC Config H W U	24 H		HUT SETUP
8	-----	25 H		Chk HUT Stat -LOC
9 H -	Note: Acquisition in SAA	26		All BEGIN
10 JAC	All SETUP	27 W		*IF WUP Deconfig
11 J	Chk Stat - -CUR RDY	28 W		* WUP ITEM 11_F+1
12 H TV	Verify HUT acq on TV	29 W		* Cur/ITEM 6 In fld, zm
13 JAC	IMC BEGIN	30 W		* WUP ITEM 4 (Cur off)
14	HUT ITEM 5	31 W		* WUP ITEM 7 (Begin)
15 W	WUP tgt= HUT faint star	32 W		* Config with WUP
16 W	*IF WUP target visible	33 W		NOTE: WUP last seq = BKG
17 W	* WUP PFK cur to target	34	JOB	Observe
18 W	* WUP ITEM 6 (Cntr)	35	JAC	All PREVIEW
19 W	* WUP ITEM 4 (Cur off)	36		All QUIT
20 W	*ELSE	37		-----
21 W	* Config without WUP	38	JAC	ITEM 16_1
22 H -	After SAA exit			

low Z QSO BBB
 1

OBJECT: PKS 0558-504
KEYWORDS: Quasar
COMMENTS:
z = 0.137

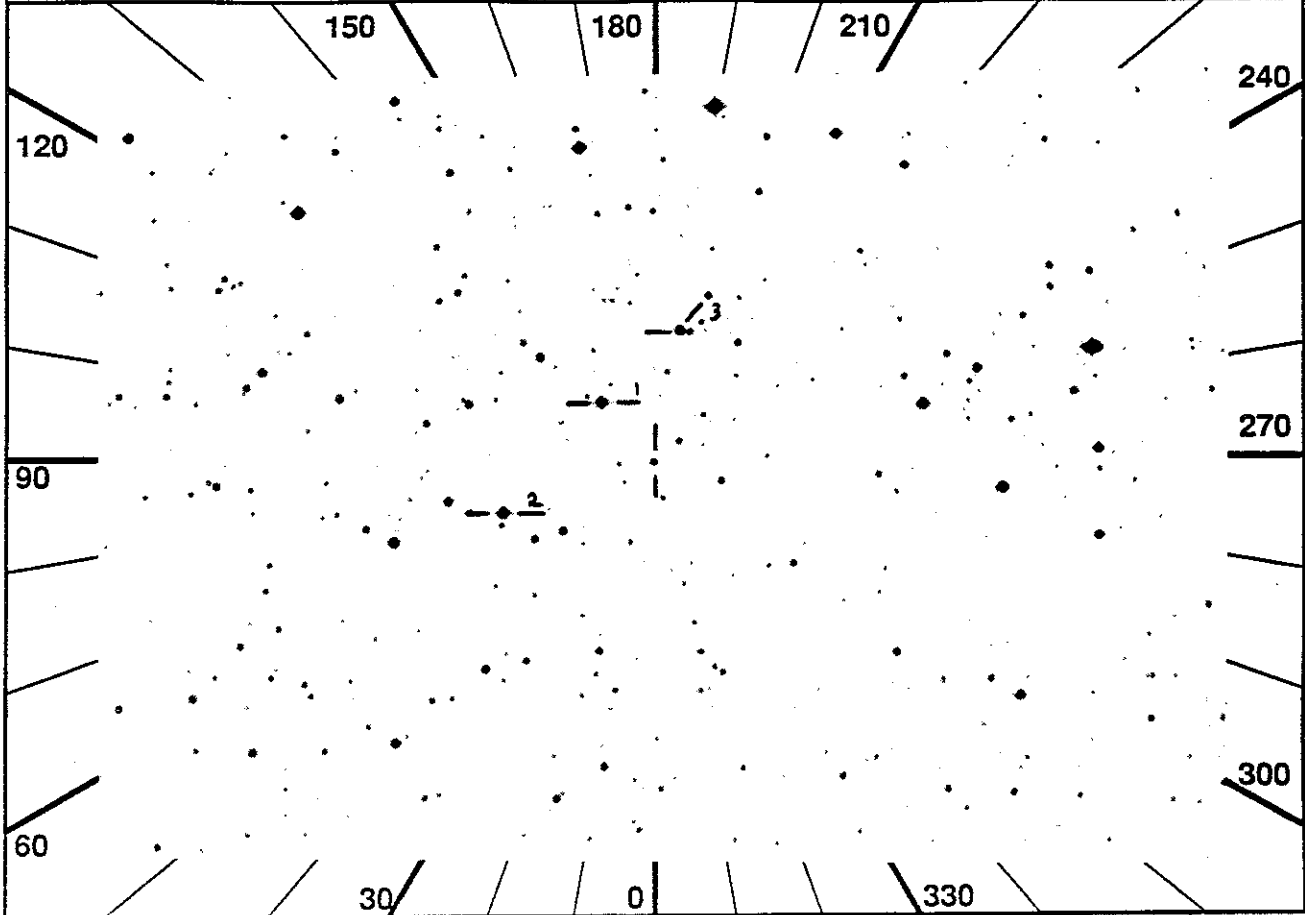


ID: 8407-12
Names: 0558-504 PKS
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs ends with
an offset and integration
on the background.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 89.6442 DEC -50.4486 ROLL 230.50 ID 8407-13
 2 TIME 417 NAME 0558-504



SEQ	LOC OBS	MAG	LGR	D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	S H 289	src sim	15	13	3.2	5	7 4 ---	---	---
4	W 265	ncn nqd	15	13	2.0		2 2 ---	2 2 60	---
5	U 16	DT -	T F	31	a5		---	---	---

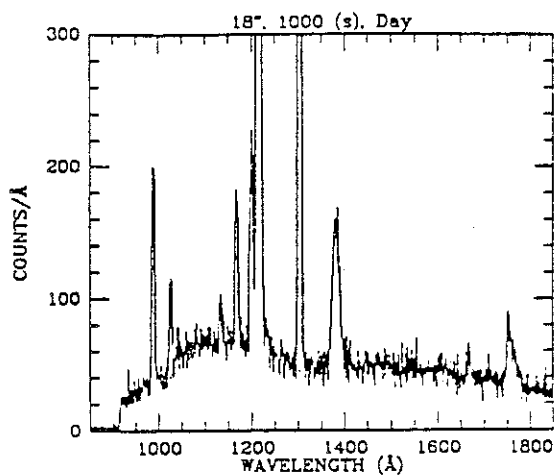
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6 JAC ITEM 16_0 20 All BEGIN
7 Config H W U 21 W *IF WUP Deconfig
8 ----- 22 W * WUP ITEM 11 F_+1
9 JAC All SETUP 23 W * Cur/ITEM 6 In fld, zm
10 W Chk Stat -LOC -CUR RDY 24 W * WUP ITEM 4 (Cur off)
11 IMC BEGIN 25 W * WUP ITEM 7 (Begin)
12 HUT ITEM 5 26 W * Config with WUP
13 W WUP tgt= HUT faint star 27 W NOTE: WUP last seq = BKG
14 W *IF WUP target visible 28 JOB Observe
15 W * WUP PFK cur to target 29 JAC All PREVIEW
16 W * WUP ITEM 6 (Cntr) 30 All QUIT
17 W * WUP ITEM 4 (Cur off) 31 -----
18 W *ELSE 32 JAC ITEM 16_1
19 W * Config without WUP
  
```

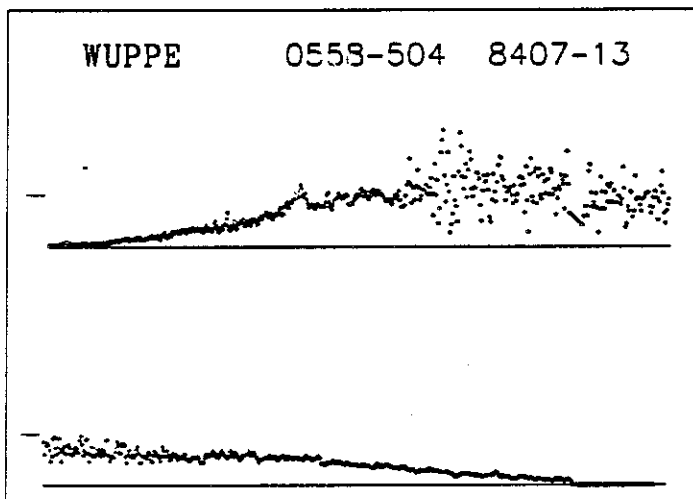
low Z Q250 BBB

1

OBJECT: PKS 0558-504
KEYWORDS: Quasar
COMMENTS:
Z = 0.137



ID: 8407-13
Names: 0558-504 PKS
Type: Quasar
* Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs ends with
an offset and integration
on the background.



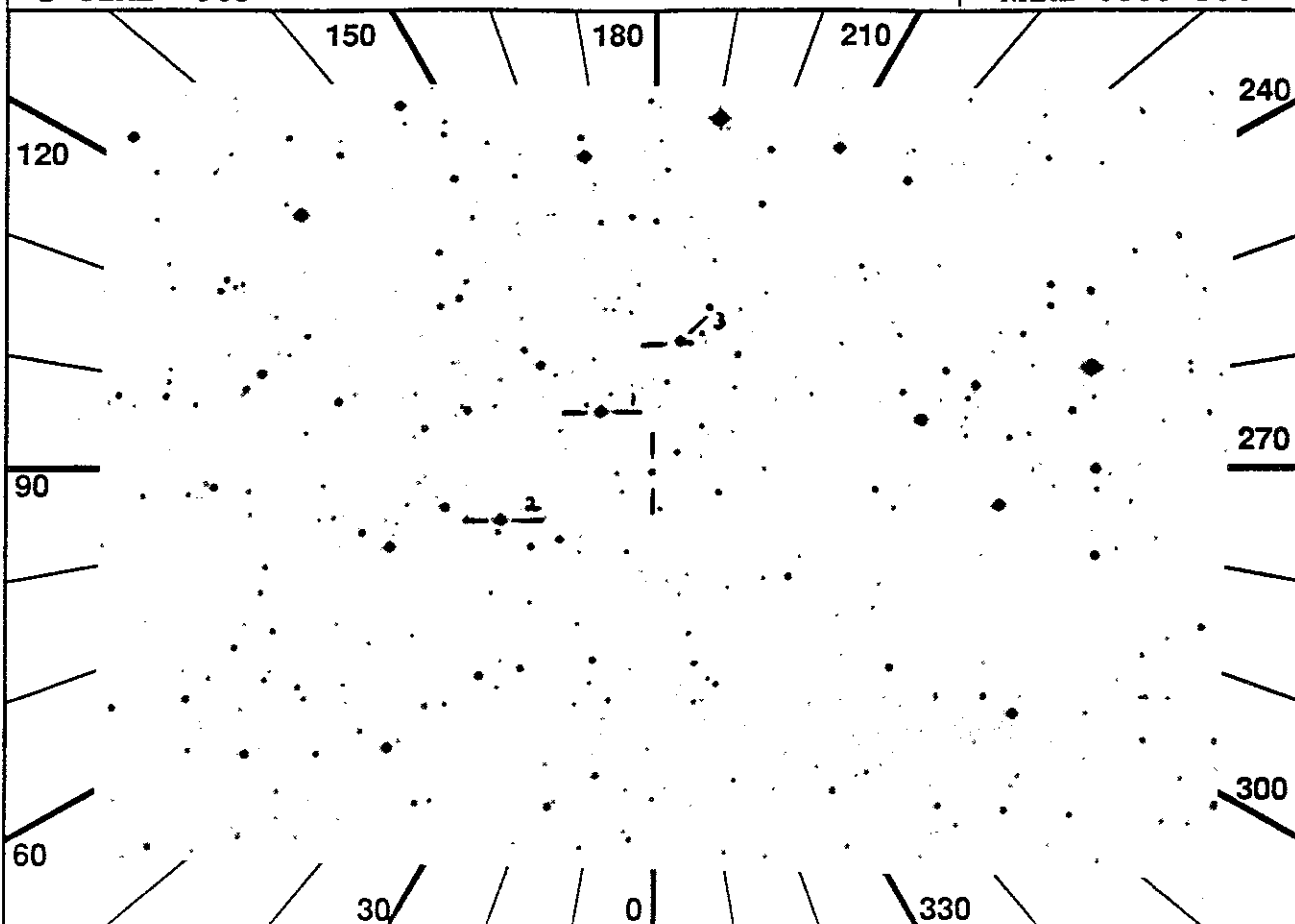
UIT
Observation Description

1 RA 89.6442 DEC -50.4486 ROLL 230.50

ID 8407-14

2 TIME 863

NAME 0558-504



SEQ	LOC OBS	MAG	LGR D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	P H 323	src sim 15 13 3.2 5		7 4 ---	- - - -	- - - -	SAA AC	
4	W 265	ncn ngd 15 13 2.0		2 2 ---	2 2 60	- - - -	FNTLOC BKG2	
5	U 102	DT -	T F 156 a1 156 b1		- - - -	- - - -		

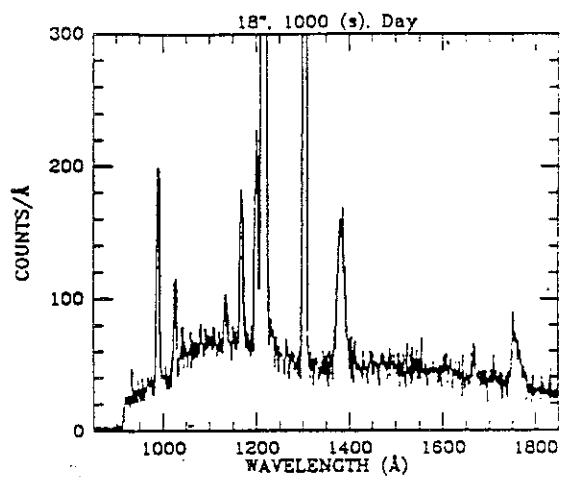
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6 H - VIP ON until SAA exit          23 H JAC ITEM 16 0
7   JAC Config H W U                 24 H   HUT SETUP
8   -----                          25 H   Chk HUT Stat -LOC
9 H - Note: Acquisition in SAA       26   All BEGIN
10  JAC All SETUP                     27 W   *IF WUP Deconfig
11  J   Chk Stat - -CUR RDY          28 W   * WUP ITEM 11 F +1
12  H TV Verify HUT acq on TV       29 W   * Cur/ITEM 6 In fld, zm
13  JAC IMC BEGIN                    30 W   * WUP ITEM 4 (Cur off)
14   HUT ITEM 5                      31 W   * WUP ITEM 7 (Begin)
15  W   WUP tgt= HUT faint star      32 W   * Config with WUP
16  W   *IF WUP target visible       33 W   NOTE: WUP last seq = BKG
17  W   * WUP PFK cur to target      34   JOB Observe
18  W   * WUP ITEM 6 (Cntr)          35   JAC All PREVIEW
19  W   * WUP ITEM 4 (Cur off)      36   All QUIT
20  W   *ELSE                         37   -----
21  W   * Config without WUP        38   JAC ITEM 16_1
22  H - After SAA exit

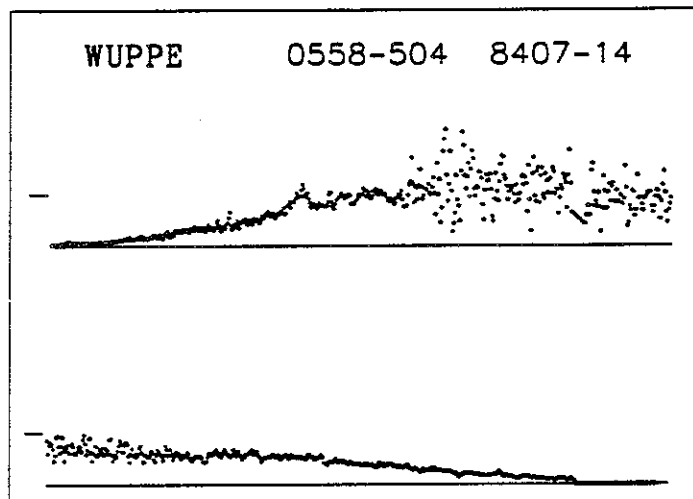
```

low z QSO BBB

OBJECT: PKS 0558-504
KEYWORDS: Quasar
COMMENTS:
Z = 0.137



ID: 8407-14
Names: 0558-504 PKS
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs ends with
an offset and integration
on the background.
Co-pointing with BBXRT.



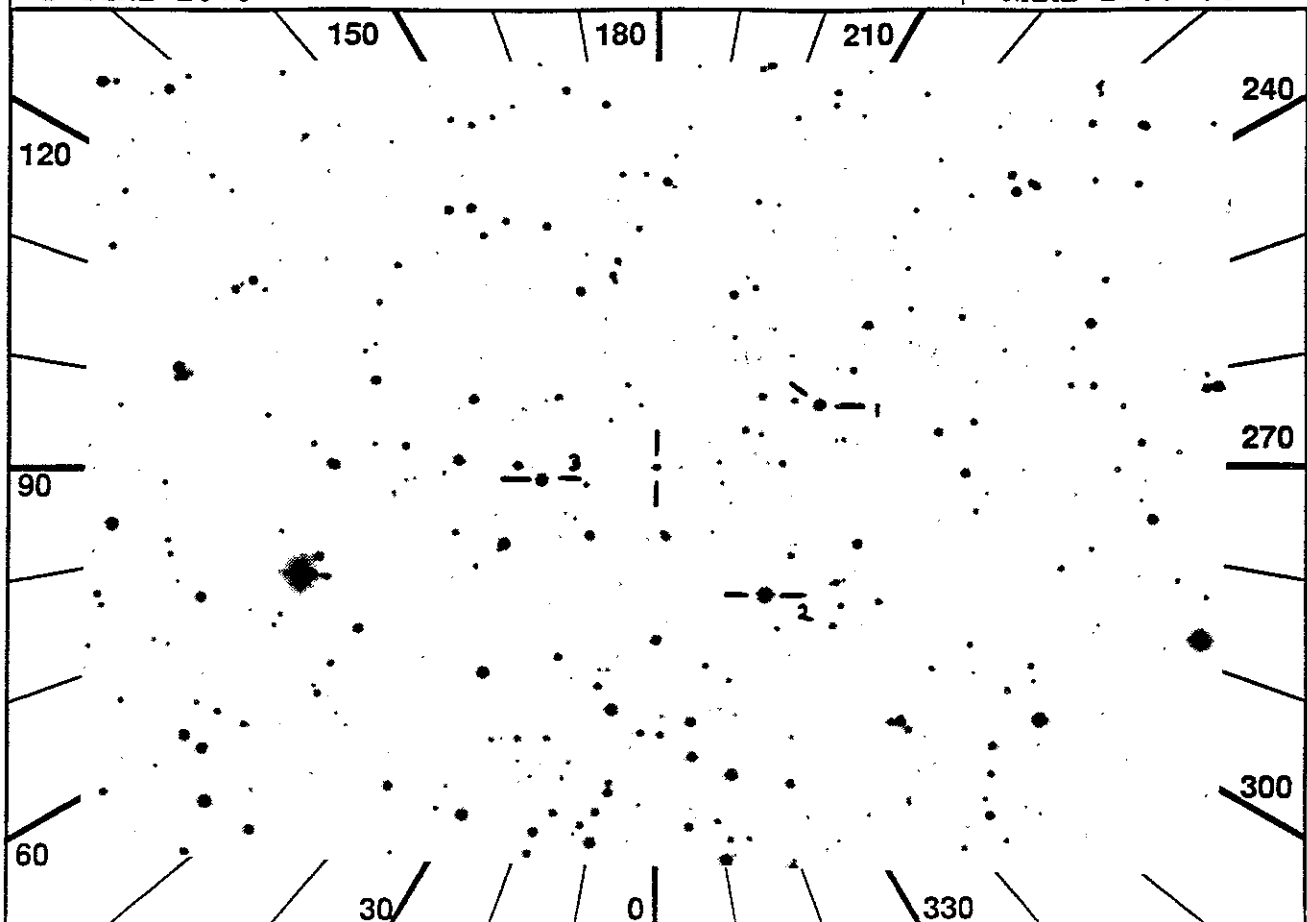
UIT
Observation Description

1 RA 255.1686 DEC 64.2736 ROLL 246.31

ID 8415-11

2 TIME 2078

NAME 1700+64



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	112	src	sim	17	14	2.3	5	7	4	---	---	---	---	W DARK	
4	W	266	ncn	ngd	16	14	1.0		2	2	---	---	---	---	FNTLOC	
5	U	195	DT	-	T F	156	a1	31	b5	-	-	-	-	-		
6	JAC	ITEM 16 0				21	W	*ELSE								
7		Config H W U				22	W	* Config without WUP								
8		-----				23		All BEGIN								
9	JAC	All SETUP				24	W	*IF WUP Deconfig								
10	H	-	Note: faint target--if			25	W	* WUP ITEM 11 F_+1								
11	H		necessary wait until			26	W	* Cur/ITEM 6 In fld, zm								
12	H		night to acquire.			27	W	* WUP ITEM 4 (Cur off)								
13	W	JAC	Chk Stat -LOC -CUR RDY			28	W	* WUP ITEM 7 (Begin)								
14		IMC BEGIN				29	W	* Config with WUP								
15		HUT ITEM 5				30		JOB Observe								
16	W		WUP tgt= HUT faint star			31	JAC	All PREVIEW								
17	W		*IF WUP target visible			32		All QUIT								
18	W		* WUP PFK cur to target			33		-----								
19	W		* WUP ITEM 6 (Cntr)			34	JAC	ITEM 16_1								
20	W		* WUP ITEM 4 (Cur off)													

He II

1

OBJECT: HS1700+64

KEYWORDS: High Z Quasar

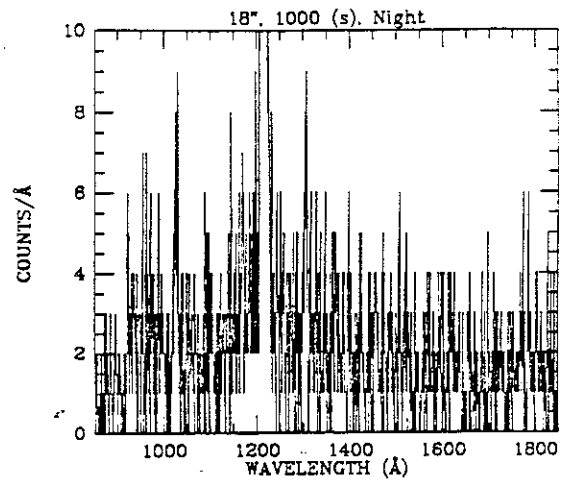
COMMENTS:

Z = 2.72

Please count each photon individually.

We don't want to lose any.

Five observations planned.



ID: 8415-11

Names: 1700+64

Type: Quasar

Pol:

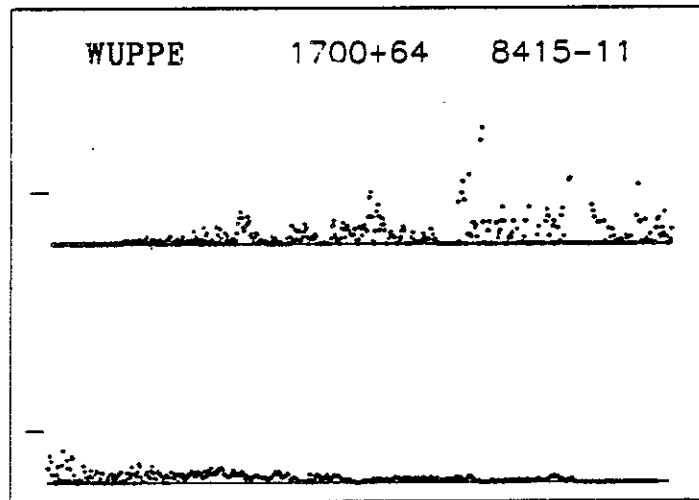
Pol Var:

Pos Ang:

Mechanism:

Comments:

Co-pointing with BBXRT.



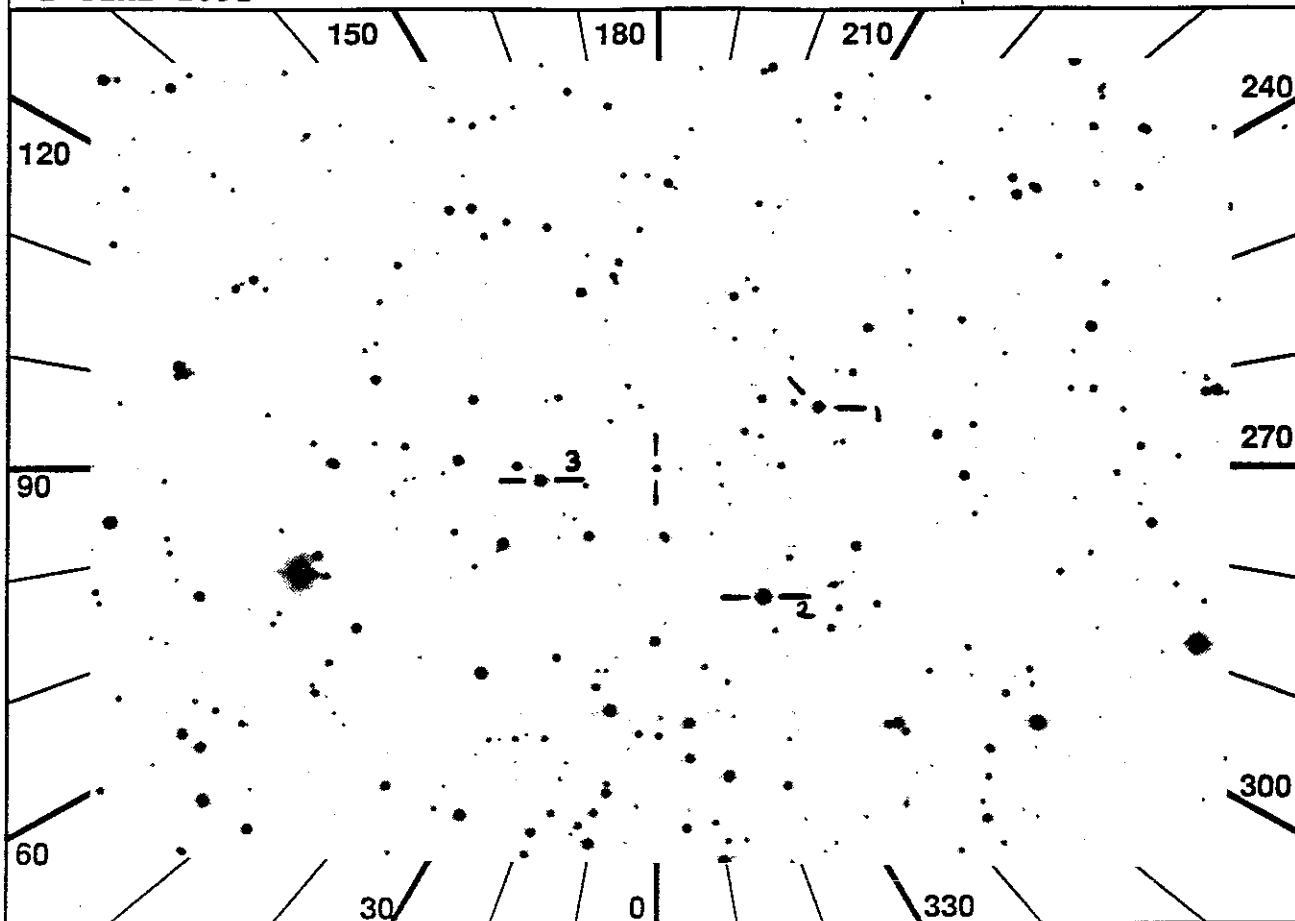
UIT
Observation Description

1 RA 255.1686 DEC 64.2736 ROLL 246.31

ID 8415-12

2 TIME 1891

NAME 1700+64



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	S H	154	src sim	17	14	2.3	5	7	4	---	---	---	---	---		
4	W	266	ncn ngd	16	14	1.0		2	2	---	---	---	---	---	FNTLOC	
5	U	183	DT -			T F 156 b1		31	b5	---	---	---	---	---		

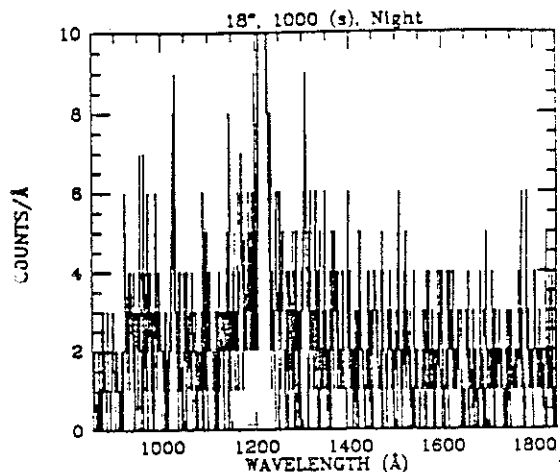
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6 JAC ITEM 16 0 19 W * Config without WUP
7 Config H W U 20 All BEGIN
8 ----- 21 W *IF WUP Deconfig
9 JAC All SETUP 22 W * WUP ITEM 11_F_+1
10 W Chk Stat -LOC -CUR RDY 23 W * Cur/ITEM 6 In fld, zm
11 IMC BEGIN 24 W * WUP ITEM 4 (Cur off)
12 HUT ITEM 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

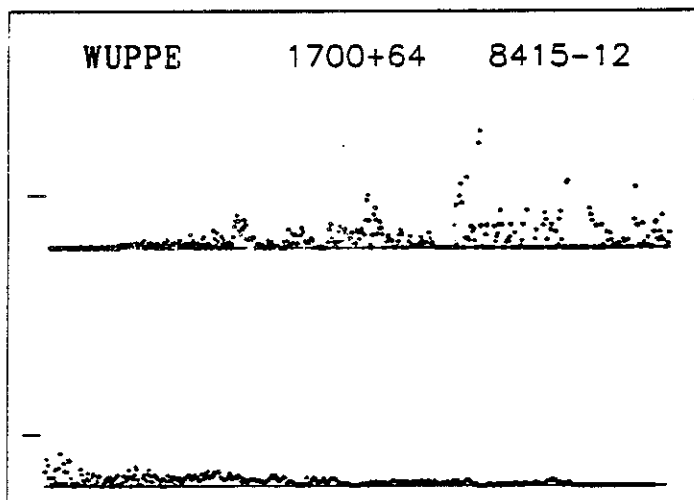
```

He II
1

OBJECT: HS1700+64
KEYWORDS: High Z Quasar
COMMENTS:
Z = 2.72
Please count each photon individually.
We don't want to lose any.
Five observations planned.



ID: 8415-12
Names: 1700+64
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:



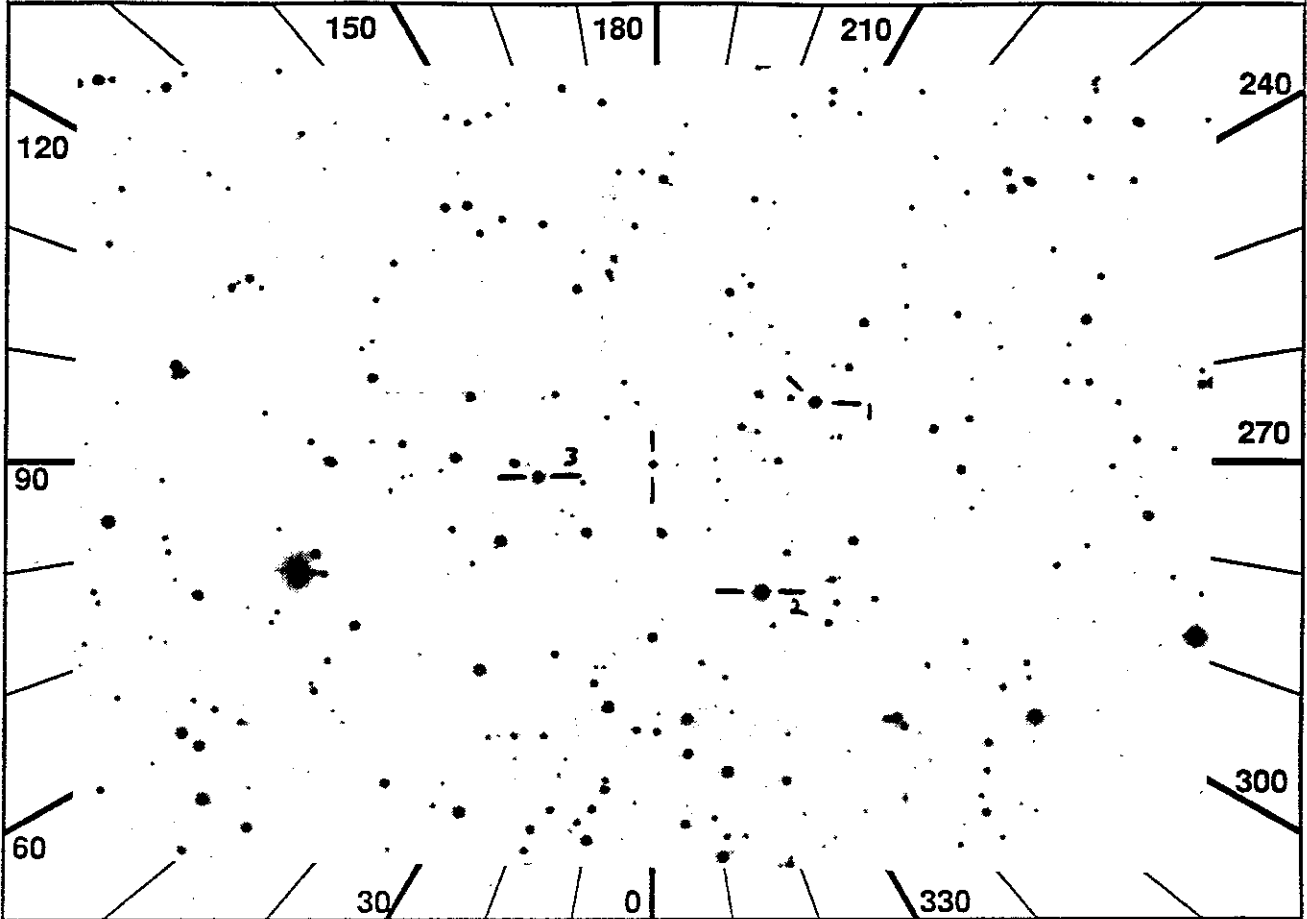
UIT
Observation Description

1 RA 255.1686 DEC 64.7736 ROLL 246.31

ID 8415-13

2 TIME 1624

NAME 1700+64



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	210	src sim	17	14	2.3	5	7	4	---	---	---	---	---		
4	W	266	ncn ngd	16	14	1.0		2	2	---	---	---	---	---	FNTLOC	
5	U	238	DT 60	T F	31	b6	496	b3								

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

He II

1

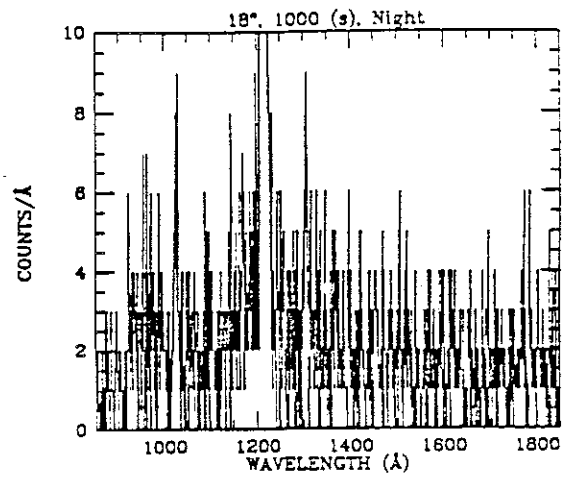
OBJECT: HS1700+64
KEYWORDS: High Z Quasar
COMMENTS:

Z = 2.72

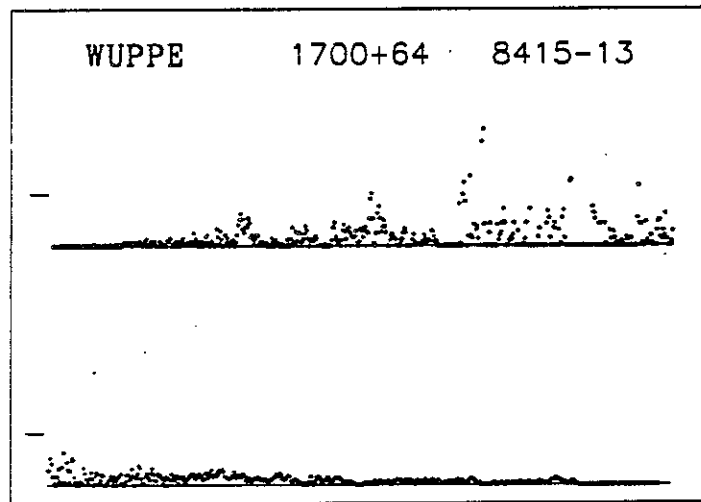
Please count each photon individually.

We don't want to lose any.

Five observations planned.



ID: 8415-13
Names: 1700+64
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:



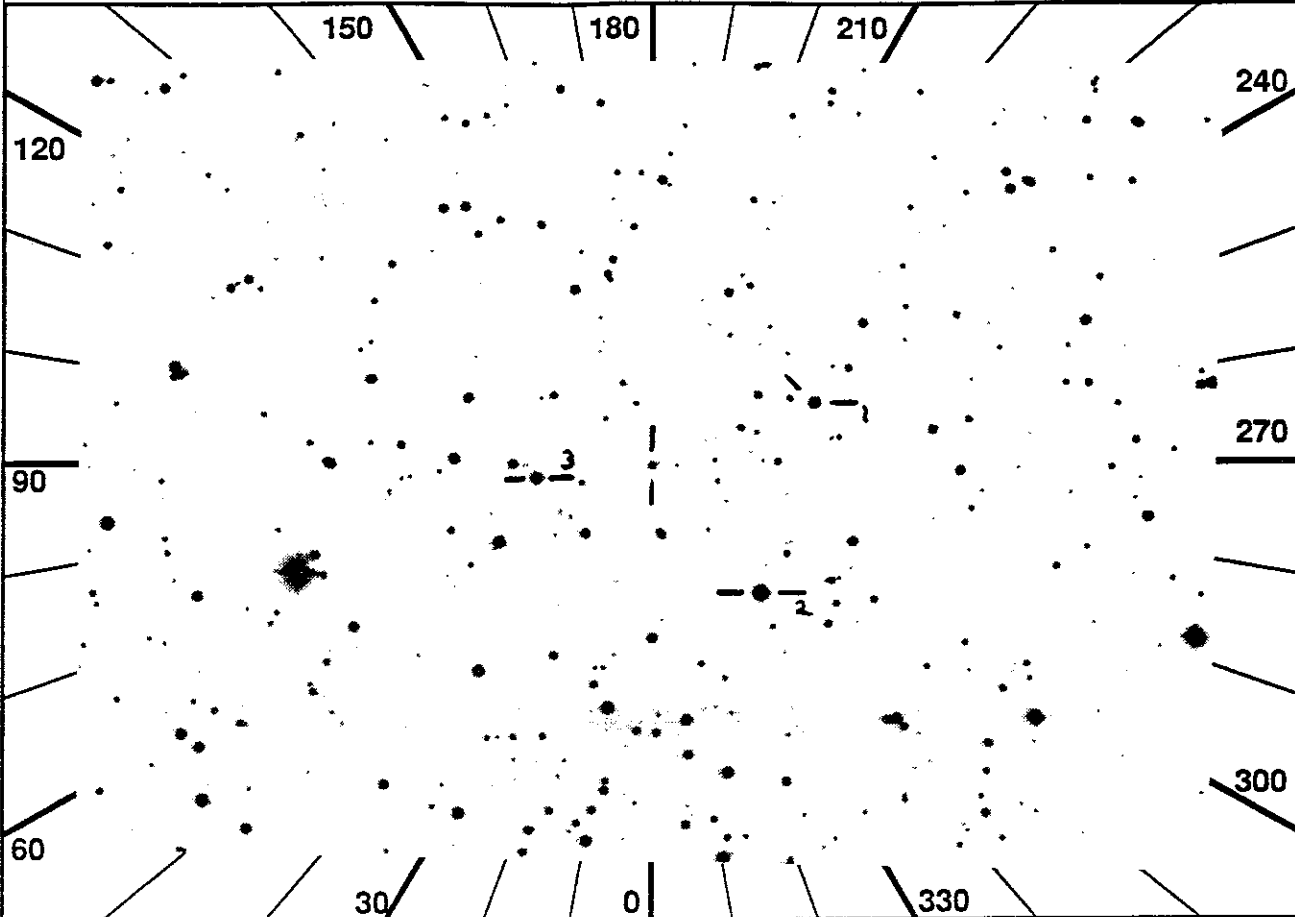
UIT
Observation Description

1 RA 255.1686 DEC 64.2736 ROLL 246.31

ID 8415-14

2 TIME 1981

NAME 1700+64



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	267	src sim	17	14	2.3	5	7	4	---	-	-	-	-	W DARK	
4	W	266	ncn ngd	16	14	1.0		2	2	---	-	-	-	-	FNTLOC	
5	U	237	DT -			T F	11 a6	2	b5	-	-	-	-	-		

```

6 JAC ITEM 16 0 21 W *ELSE
7 Config H W U 22 W * Config without WUP
8 ----- 23 All BEGIN
9 JAC All SETUP 24 W *IF WUP Deconfig
10 H - Note: faint target--if 25 W * WUP ITEM 11 F_+1
11 H necessary wait until 26 W * Cur/ITEM 6 in fld, zm
12 H night to acquire. 27 W * WUP ITEM 4 (Cur off)
13 W JAC Chk Stat -LOC -CUR RDY 28 W * WUP ITEM 7 (Begin)
14 IMC BEGIN 29 W * Config with WUP
15 HUT ITEM 5 30 JOB Observe
16 W WUP tgt= HUT faint star 31 JAC All PREVIEW
17 W *IF WUP target visible 32 All QUIT
18 W * WUP PFK cur to target 33 -----
19 W * WUP ITEM 6 (Cntr) 34 JAC ITEM 16_1
20 W * WUP ITEM 4 (Cur off)

```

He II
1

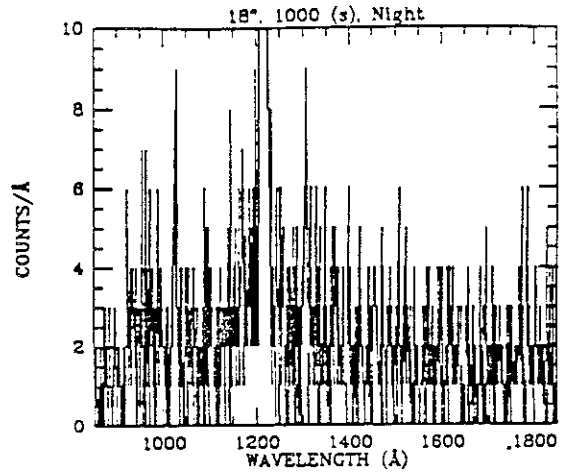
OBJECT: HS1700+64
KEYWORDS: High Z Quasar
COMMENTS:

Z = 2.72

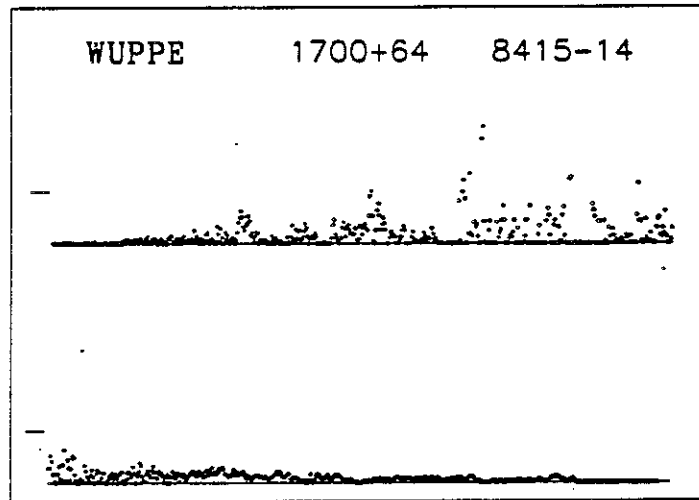
Please count each photon individually.

We don't want to lose any.

Five observations planned.



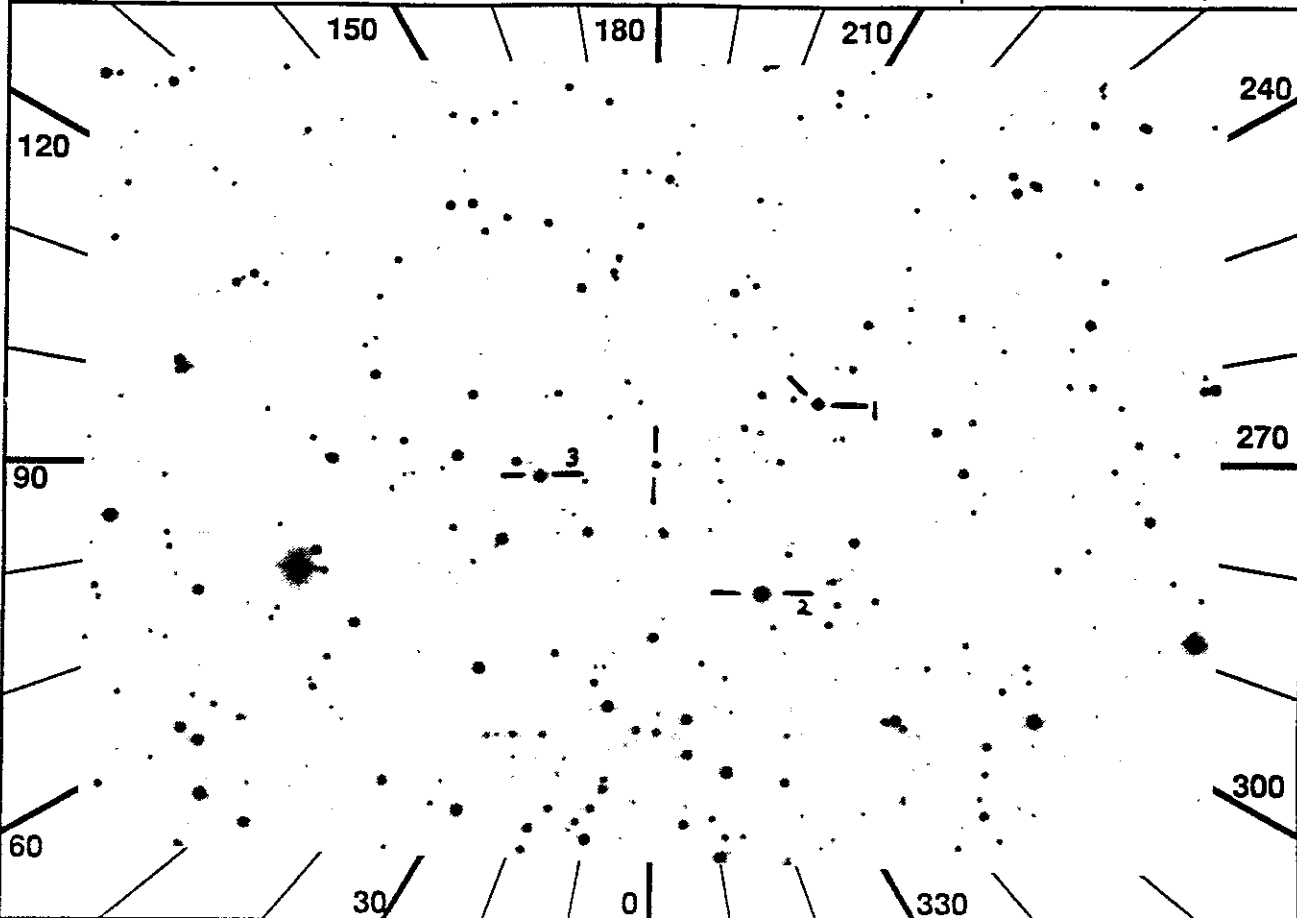
ID: 8415-14
Names: 1700+64
Type: Quasar
Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:



UIT
Observation Description

1 RA 255.1686 DEC 64.7736 ROLL 246.31
 2 TIME 2489

ID 8415-15
 NAME 1700+64



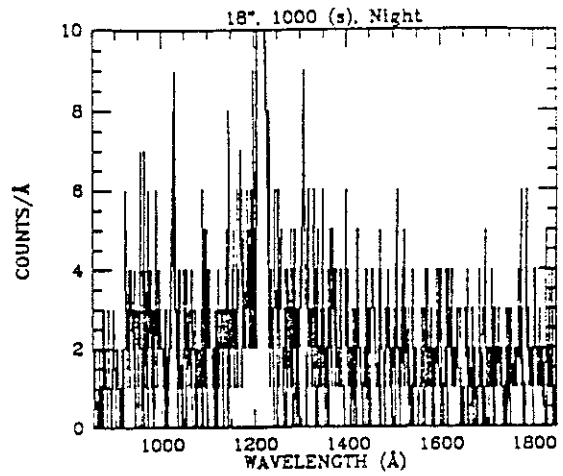
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	S H	316	src sim	17	14	3.2	5	7	4	---	-	-	---	-	-	W DARK
4	W	266	ncn ngd	16	14	1.0		2	2	---	-	-	---	-	-	FNTLOC
5	U	245	DT -	T F	62	b5	187	b1	-	-	-	-	-	-	-	LTSTRT

6	JAC	ITEM 16_0						23	U							Config without UIT
7		Config H W U						24								All BEGIN
8		-----						25	W							*IF WUP Deconfig
9	JAC	All SETUP						26	W							* WUP ITEM 11 F +1
10	H -	Note: faint target--if						27	W							* Cur/ITEM 6 In fld, zm
11	H	necessary wait until						28	W							* WUP ITEM 4 (Cur off)
12	H	night to acquire.						29	W							* WUP ITEM 7 (Begin)
13	W JAC	Chk Stat -LOC -CUR RDY						30	W							* Config with WUP
14		IMC BEGIN						31	U	JOB						Wait for TIME AVAIL 2184
15		HUT ITEM 5						32	U							UIT BEGIN
16	W	WUP tgt= HUT faint star						33	U	JAC						Config with UIT
17	W	*IF WUP target visible						34		JOB						Observe
18	W	* WUP PFK cur to target						35		JAC						All PREVIEW
19	W	* WUP ITEM 6 (Cntr)						36								All QUIT
20	W	* WUP ITEM 4 (Cur off)						37								-----
21	W	*ELSE						38		JAC						ITEM 16_1
22	W	* Config without WUP														

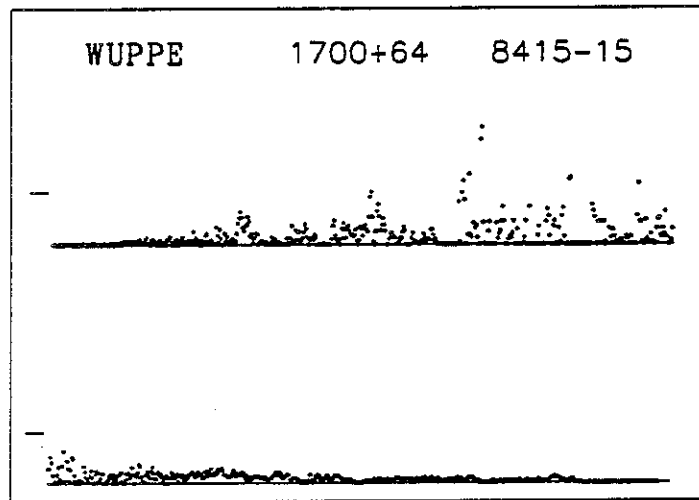
He II

1

OBJECT: HS1700+64
KEYWORDS: High Z Quasar
COMMENTS:
z = 2.72
Please count each photon individually.
We don't want to lose any.
Five observations planned.



ID: 8415-15
Names: 1700+64
Type: Quasar
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:



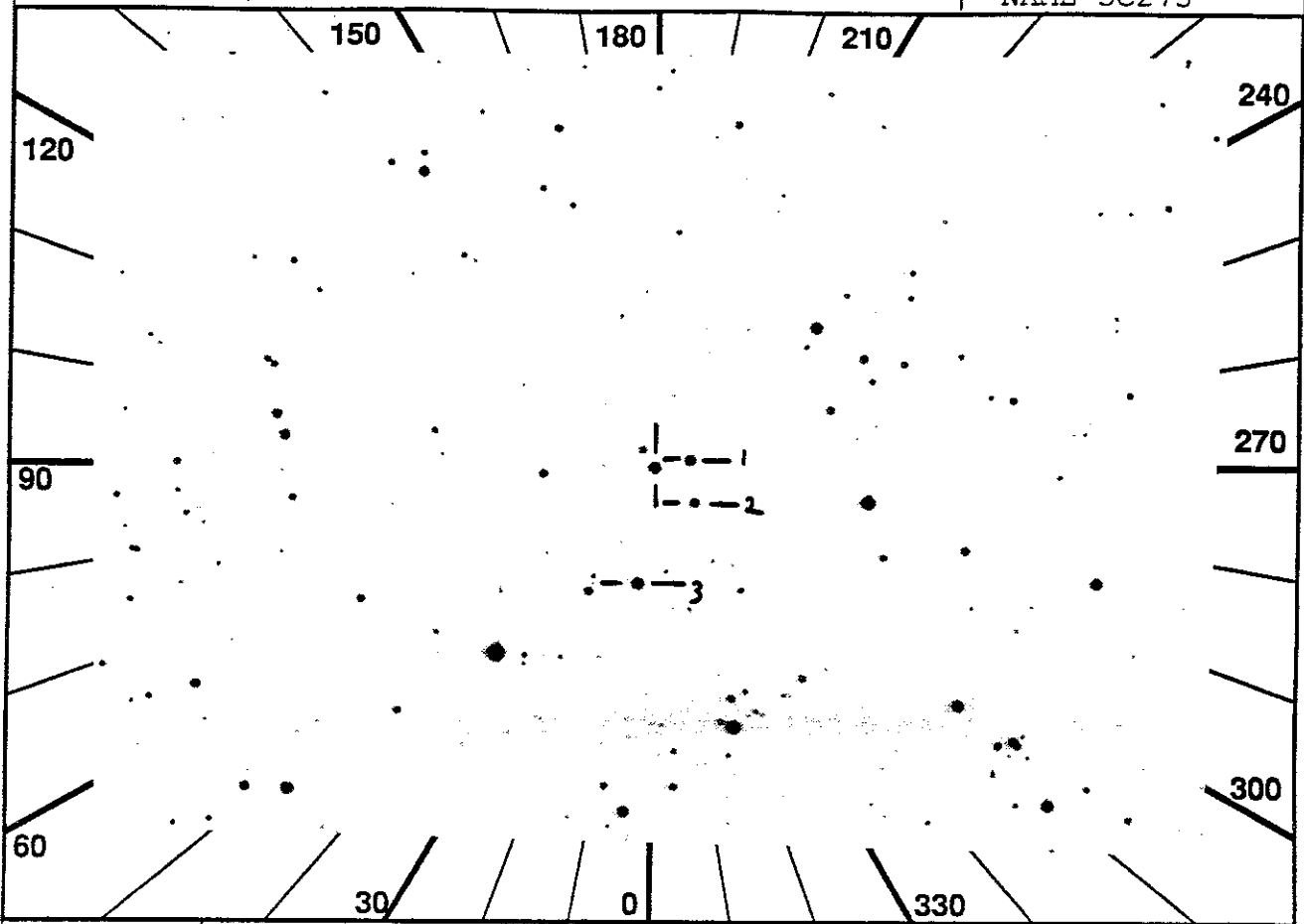
UIT
Observation Description

1 RA 186.6385 DEC 2.3287 ROLL 42.91

ID 8424-11

2 TIME 2626

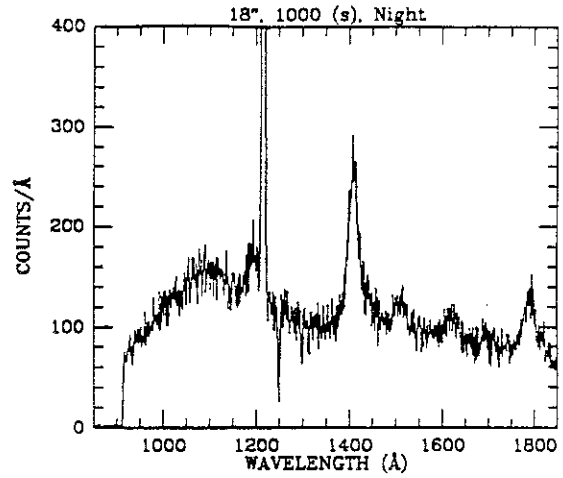
NAME 3C273



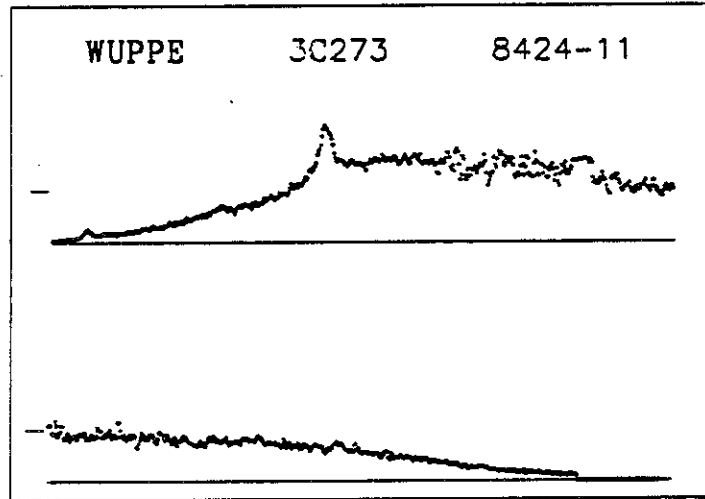
SEQ	LOC	OBS	MAG	LGR-D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	58	src sim	14	14	3.5	5	7	4	---	---	---	---	---
4	W	267	aut	ngd	13	11	1.0		2	2	60	2	2	---	BKG1
5	U	204	DT	-	T	F	24	b5	31	b1	31	a1	-	-	LTSTRT AS2DFJ
6	I		CMD	WRI_3900	F0028B24				19	U					Config without UIT
7	I		CMD	WRI_3900					20						All BEGIN
8	I			F007F0010FA0	(4s upd)				21	W					NOTE: WUP 1st seq = BKG
9	JAC		ITEM	16	0				22	U	JOB				Wait for TIME AVAIL 2184
10			Config	H	W	U			23	U					UIT BEGIN
11			-----						24	U	JAC				Config with UIT
12	JAC		All	SETUP					25		JOB				Observe
13	H		Note:	faint target	--if				26		JAC				All PREVIEW
14	H		necessary	wait until					27						All QUIT
15	H		night	to acquire.					28						-----
16	JAC		Chk	Stat	-LOC	-LOC	RDY		29	JAC	ITEM	16	1		
17			IMC	BEGIN					30	I					CMD ISS_3908 (1s upd)
18			HUT	ITEM	5				31	I					CMD ISS_3928

low z QSO
1

OBJECT: 3C 273
KEYWORDS: quasar
COMMENTS:
Z = 0.158



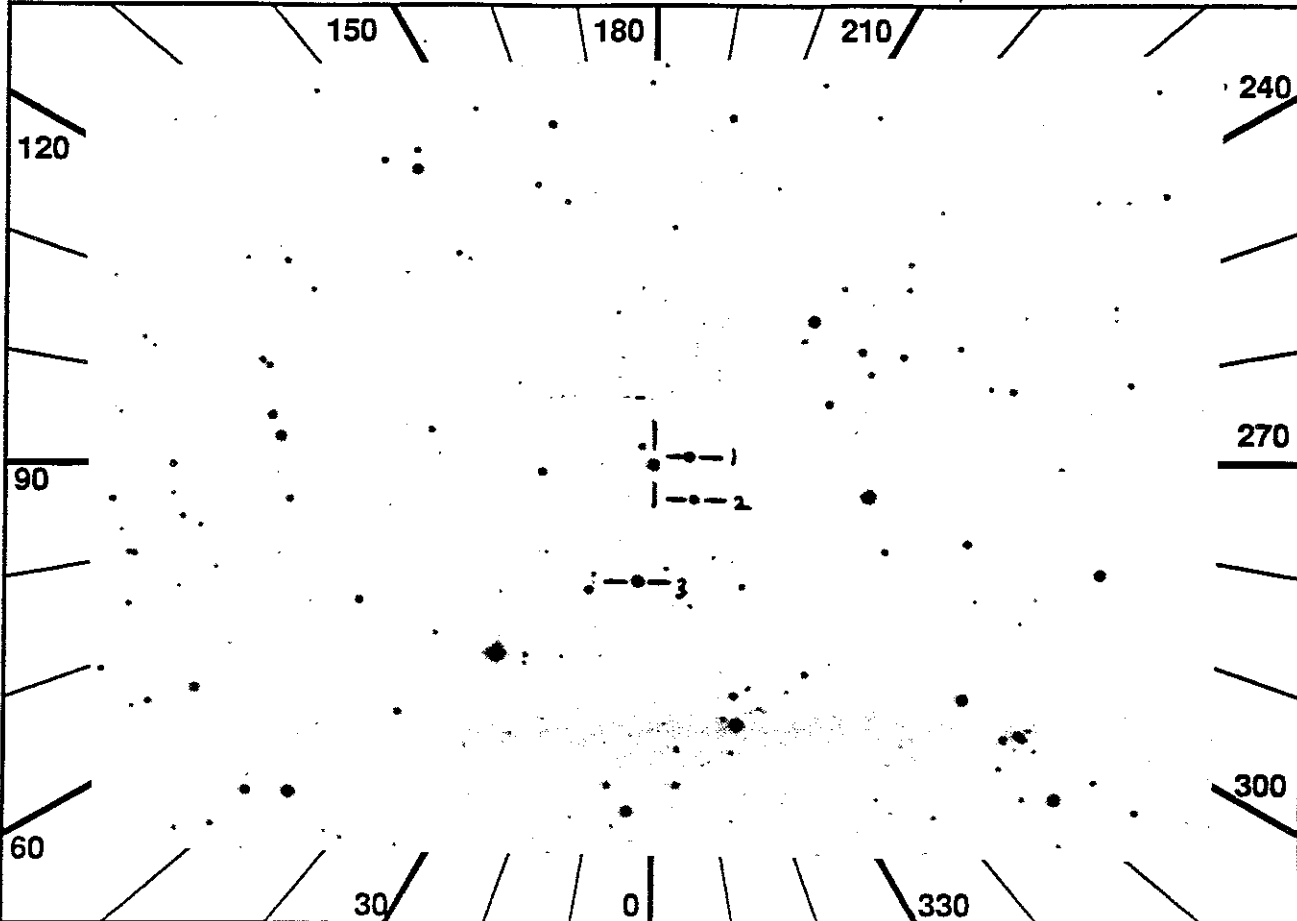
ID: 8424-11
Names: 3C273 1226+023
Type: QSO
% Pol: 0.3
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs begins with
an offset and integration
on the background.
Co-pointing with BBXRT.



UIT
Observation Description

1 RA 186.6385 DEC 2.3287 ROLL 42.91
 2 TIME 1894

ID 8424-12
 NAME 3C273

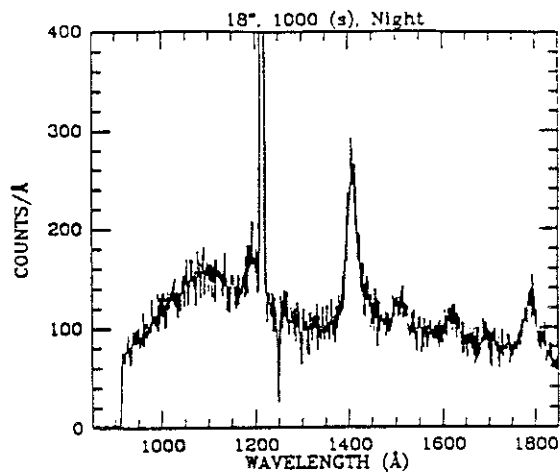


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	171	src sim	14	14	3.5	5	7	4	---	---	---	---	---	---	W DARK
4	W	267	aut ngd	13	11	1.0		2	2	60	2	2	---	---	---	BKG1
5	U	239	DT -	T F	18	b5	110	a6	-	-	-	-	-	-	-	AS2DFJ
6	I		CMD WRI_3900	F0028B24				17								IMC BEGIN
7	I		CMD WRI_3900					18								HUT ITEM 5
8	I		F007F0010FA0	(4s upd)				19								All BEGIN
9	JAC		ITEM 16	0				20	W							NOTE: WUP 1st seq = BKG
10			Config	H W U				21								JOB Observe
11			-----					22	JAC							All PREVIEW
12	JAC		All	SETUP				23								All QUIT
13	H	-	Note:	faint target--if				24								-----
14	H		necessary	wait until				25	JAC							ITEM 16_1
15	H		night	to acquire.				26	I							CMD ISS_3908 (1s upd)
16	JAC		Chk	Stat -LOC -LOC RDY				27	I							CMD ISS_3928

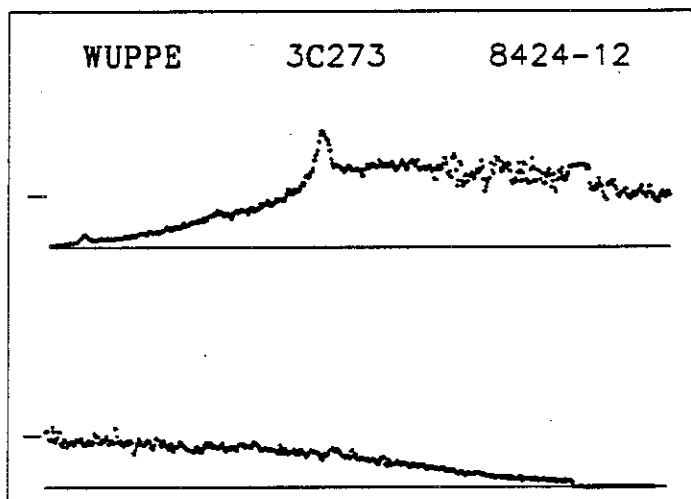
low z QSO

1

OBJECT: 3C 273
KEYWORDS: quasar
COMMENTS:
Z = 0.158



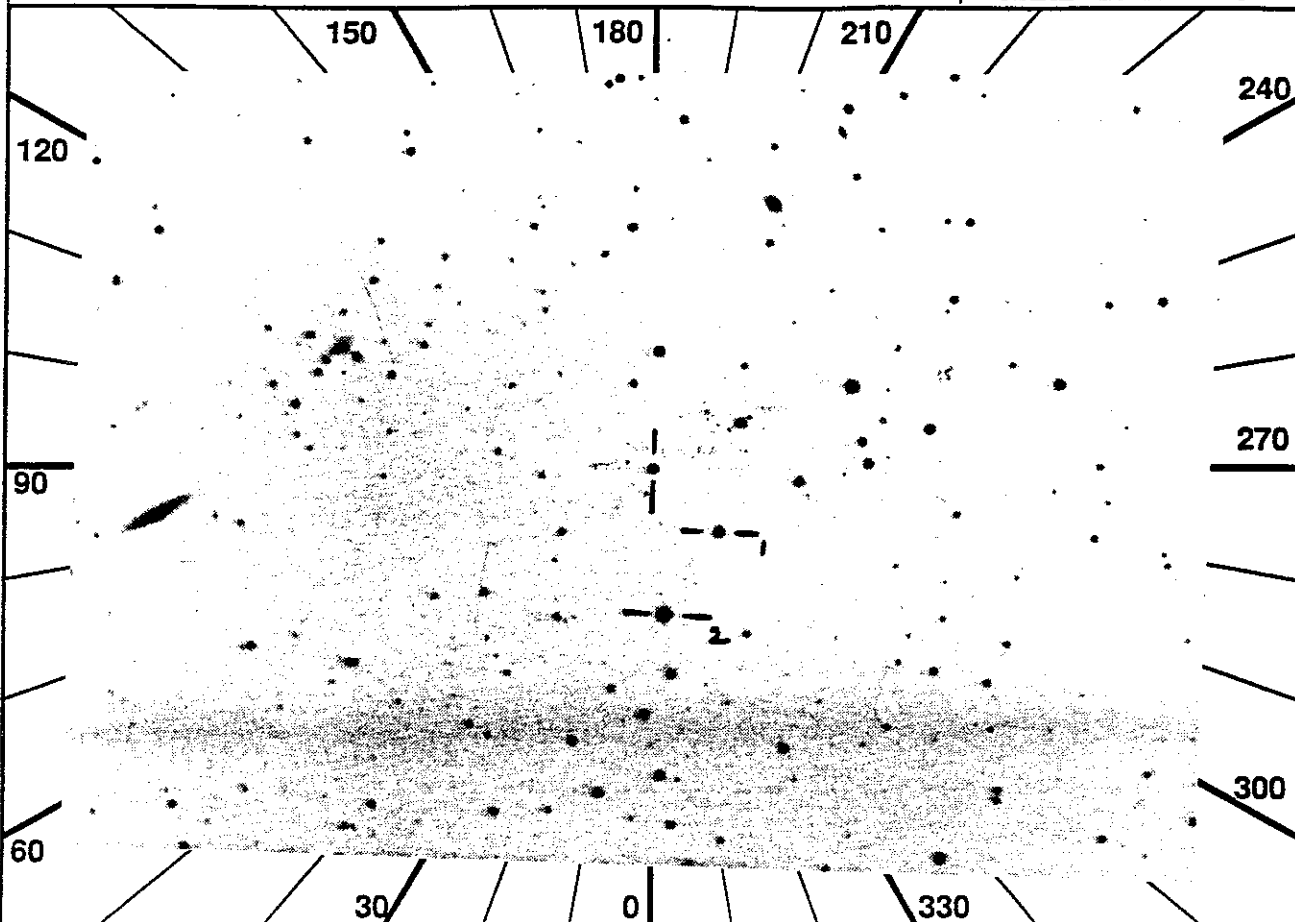
ID: 8424-12
Names: 3C273 1226+023
Type: QSO
% Pol: 0.3
Pol Var:
Pos Ang:
Mechanism:
Comments: Obs begins with an
offset and integration
on the background.
Co-pointing with BEXRT.



UIT
Observation Description

1 RA 182.9367 DEC 14.3314 ROLL 159.32
 2 TIME 1288

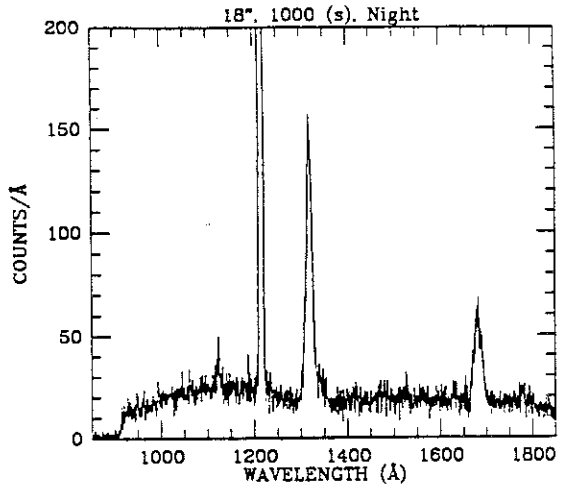
ID 8506-10
 NAME 1211+143



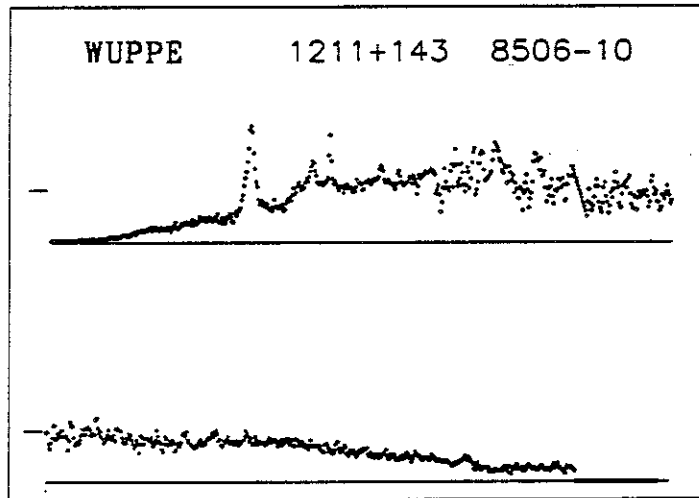
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	204	src sim	15	14	2.6	5	7	4	---	---	---	---	---		
4	W	268	ncn ngd	15	12	2.3		2	2	---	---	---	---	---	FNTLOC	
5	U	101	DT -	T F	31	a1	31	b1	-	-	-	-	-	-		
6	JAC	ITEM 16 0					19	W	* Config without WUP							
7		Config H W U					20		All BEGIN							
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							

low z QSO BBB
 |

OBJECT: PG1211+143
KEYWORDS: quasar
COMMENTS:
Z = 0.085



ID: 8506-10
Names: 1211+143 PG
Type: QSO
% Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:
Co-pointing with BBXRT.



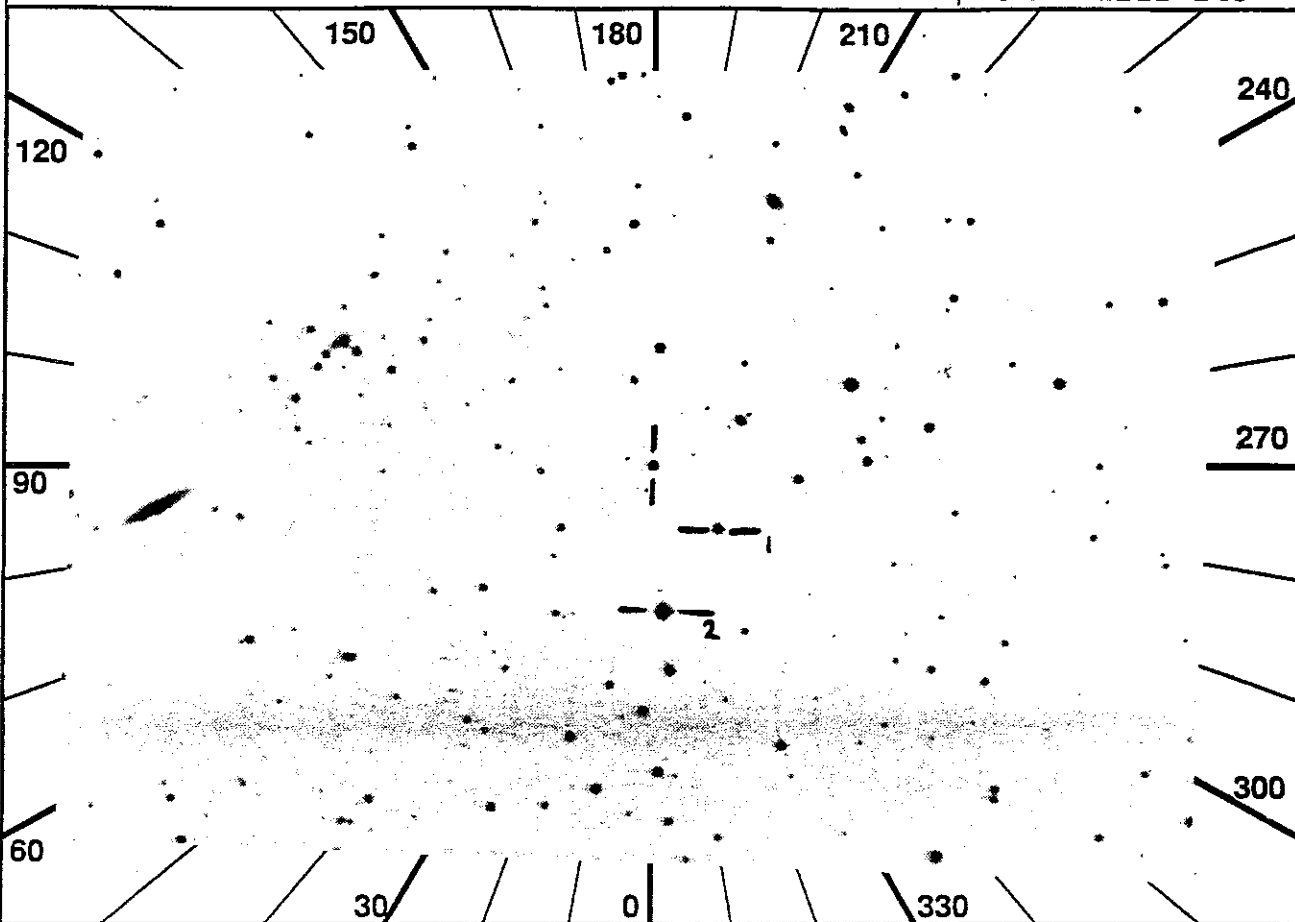
UIT
Observation Description

1 RA 182.9367 DEC 14.3314 ROLL 155.67

ID 8506-20

2 TIME 1342

NAME 1211+143

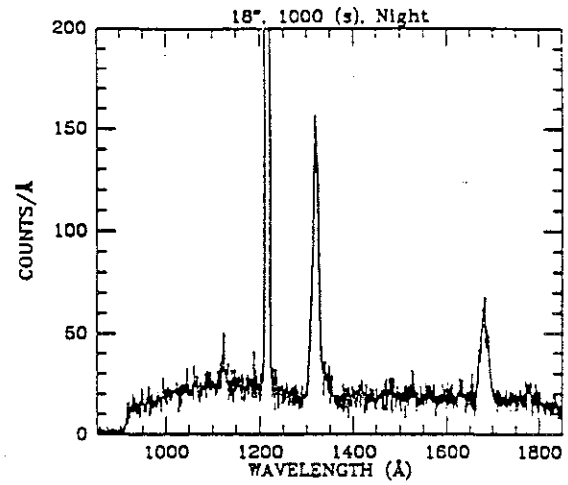


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	292	src sim	15	14	2.6	5	7	4	---	---	---	---	---		
4	W	268	ncn ncd	15	12	2.3		2	2	---	---	---	---	---	FNTLOC	
5	U	240	DT -	T F	20	b5	11	b5	-	-	-	-	-	-		
6	JAC	ITEM 16 0					19	W	* Config without WUP							
7		Config H W U					20		All BEGIN							
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							

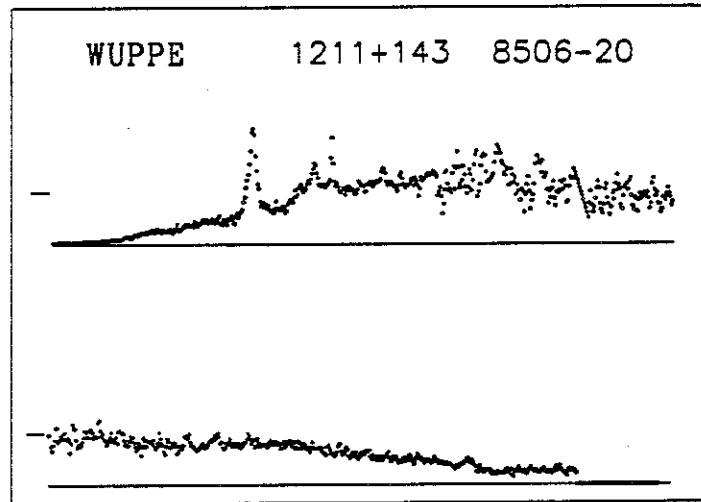
low z QSO BBB

1

OBJECT: PG1211+143
KEYWORDS: quasar
COMMENTS:
Z = 0.085



ID: 8506-20
Names: 1211+143 PG
Type: QSO
Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments:
Co-pointing with BBXRT.



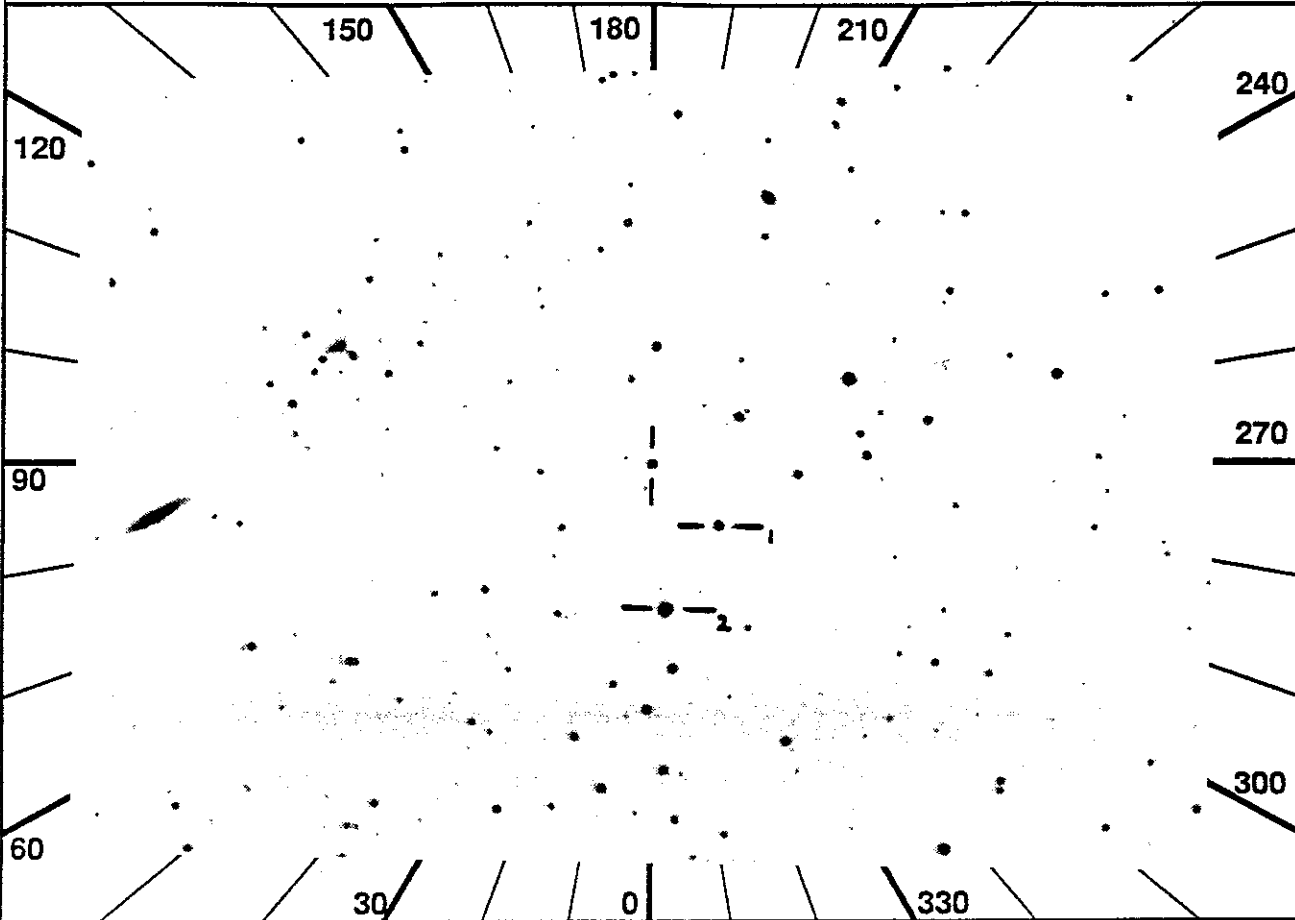
UIT
Observation Description

1 RA 182.9367 DEC 14.3314 ROLL 97.43

ID 8506-30

2 TIME 607

NAME 1211+143

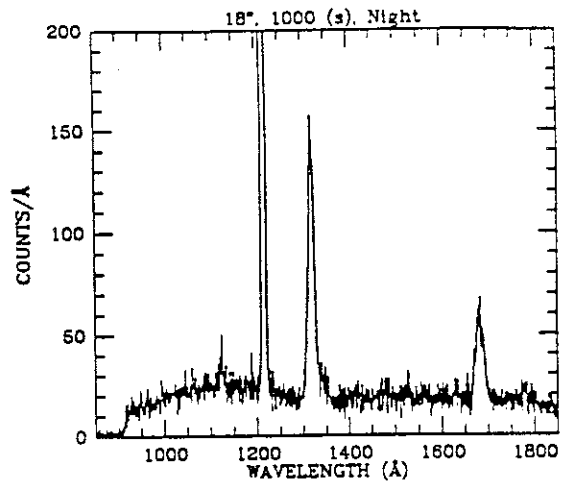


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	S	H	206	src	sim	15	14	3.3	5	7	4	---	---	---		
4	W	6	nlc	ngd	15	15	1.0			7	4	120	---	---	---	NOLOC
5	U	37	DT	-	T	F	31	b5								
6	JAC	ITEM	16	0					13							All BEGIN
7		Config	H	W	U				14	JOB						Observe
8		-----							15	JAC						All PREVIEW
9	JAC	All	SETUP						16							All QUIT
10	W	Chk	Stat	-LOC	-PAU	RDY			17							-----
11		IMC	BEGIN						18	JAC						ITEM 16_1
12		HUT	ITEM	5												

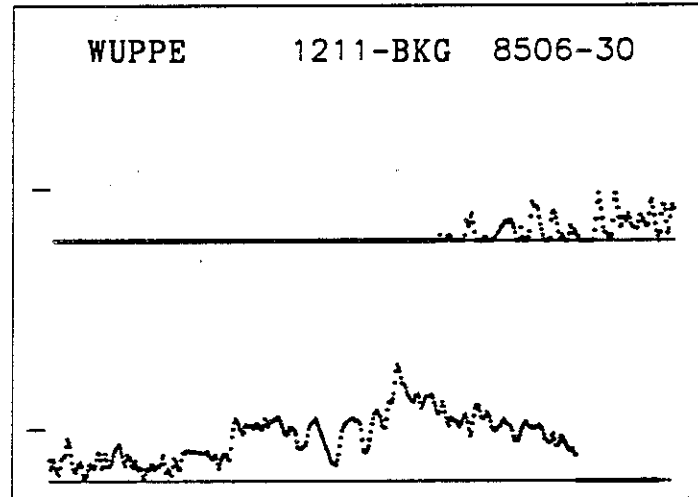
low z QSO BBB

1

OBJECT: PG1211+143
KEYWORDS: quasar
COMMENTS:
Z = 0.085



ID: 8506-30
Names: 1211+143 PG
Type: QSO
§ Pol:
Pol Var:
Pos Ang:
Mechanism:
Comments: Background obs
only.
Co-pointing with BBXRT.



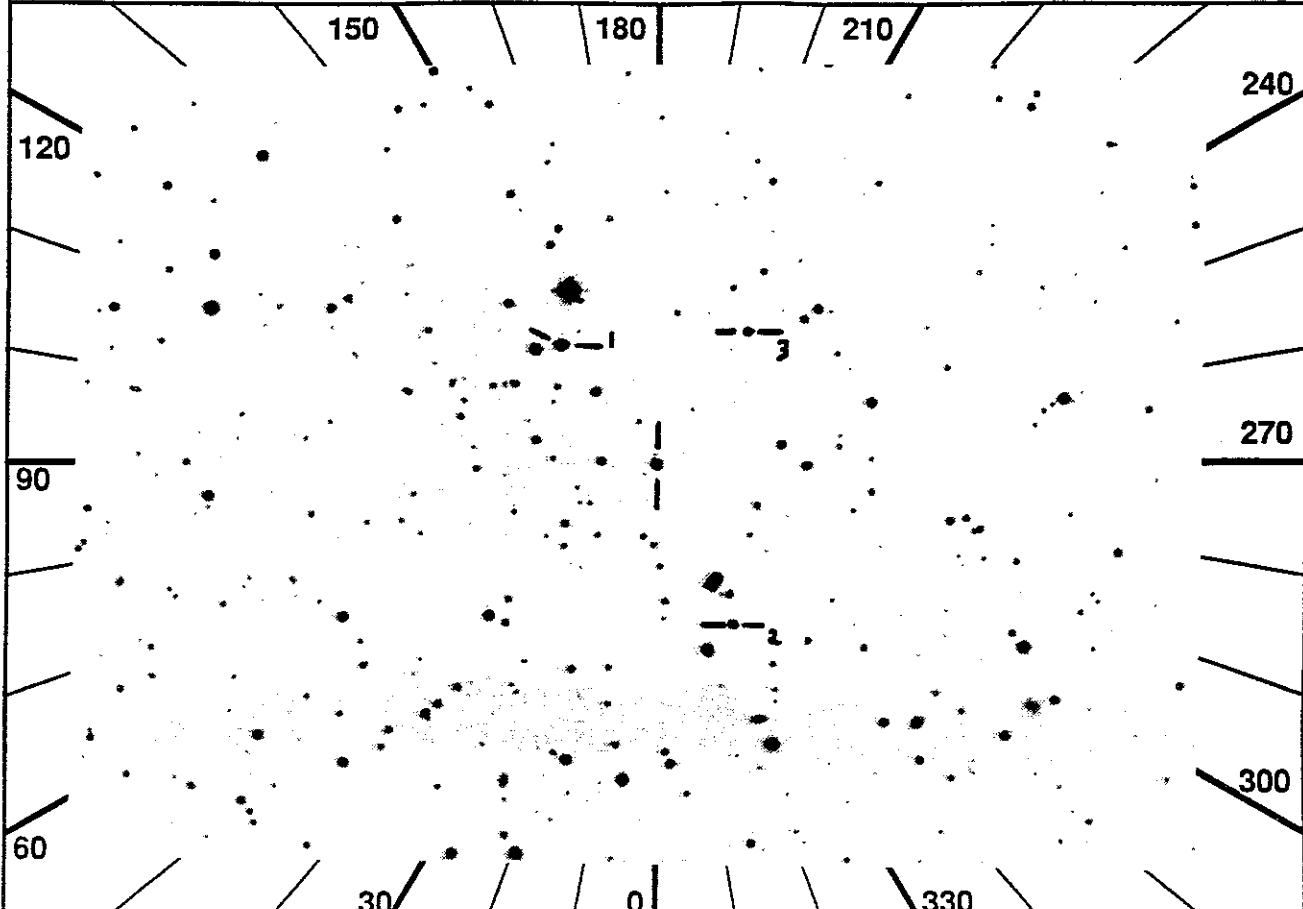
UIT
Observation Description

1 RA 328.9932 DEC -30.4650 ROLL 163.62

ID 8623-11

2 TIME 1834

NAME 2155-304



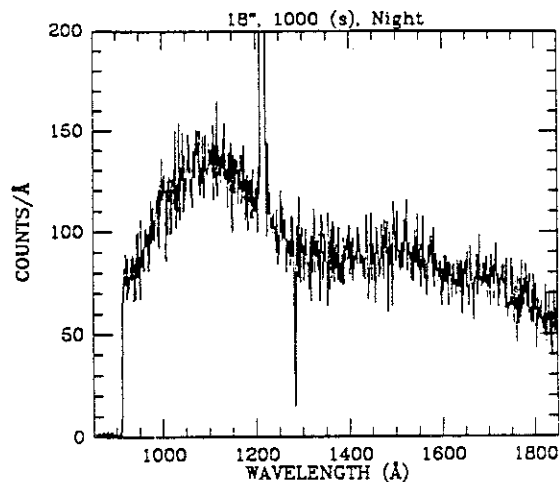
SEQ	LOC OBS	MAG	LGR D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	P H 72	src sim 15 15	3.4 5	7 4 ---	- - - - -	- - - - -		
4	W 269	ncn ngd 14 12	2.7	2 2 ---	2 2 60	-- - - -	FNTLOC	BKG2
5	U 212	DT -	T F 31 a2	31 a4	31 a5	31 b5 - -		

6 JAC ITEM 16 0 20 All BEGIN
 7 Config H W U 21 W *IF WUP Deconfig
 8 ----- 22 W * WUP ITEM 11 F +1
 9 JAC All SETUP 23 W * Cur/ITEM 6 in fld, zm
 10 W Chk Stat -LOC -CUR RDY 24 W * WUP ITEM 4 (Cur off)
 11 IMC BEGIN 25 W * WUP ITEM 7 (Begin)
 12 HUT ITEM 5 26 W * Config with WUP
 13 W WUP tgt= HUT faint star 27 W NOTE: WUP last seq = BKG
 14 W *IF WUP target visible 28 JOB Observe
 15 W * WUP PFK cur to target 29 JAC All PREVIEW
 16 W * WUP ITEM 6 (Cntr) 30 All QUIT
 17 W * WUP ITEM 4 (Cur off) 31 -----
 18 W *ELSE 32 JAC ITEM 16_1
 19 W * Config without WUP

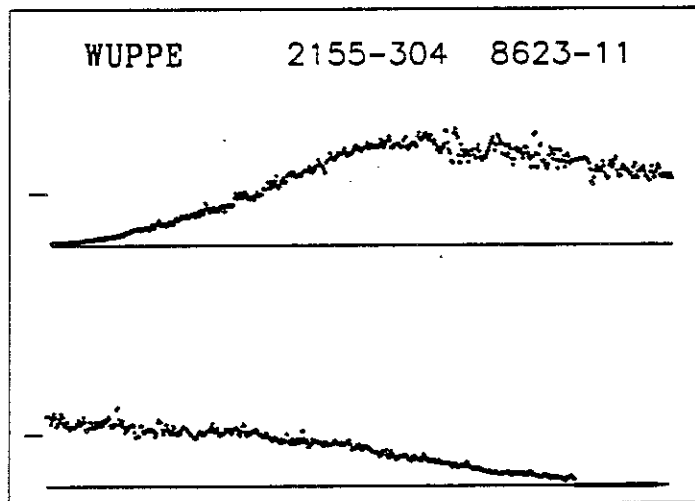
BL Lac (varies to brighter - like 13)

1

OBJECT: PKS 2155-304
KEYWORDS: BL Lac Object
COMMENTS:
Look for redshifted Lyman α absorption
or a Lyman edge



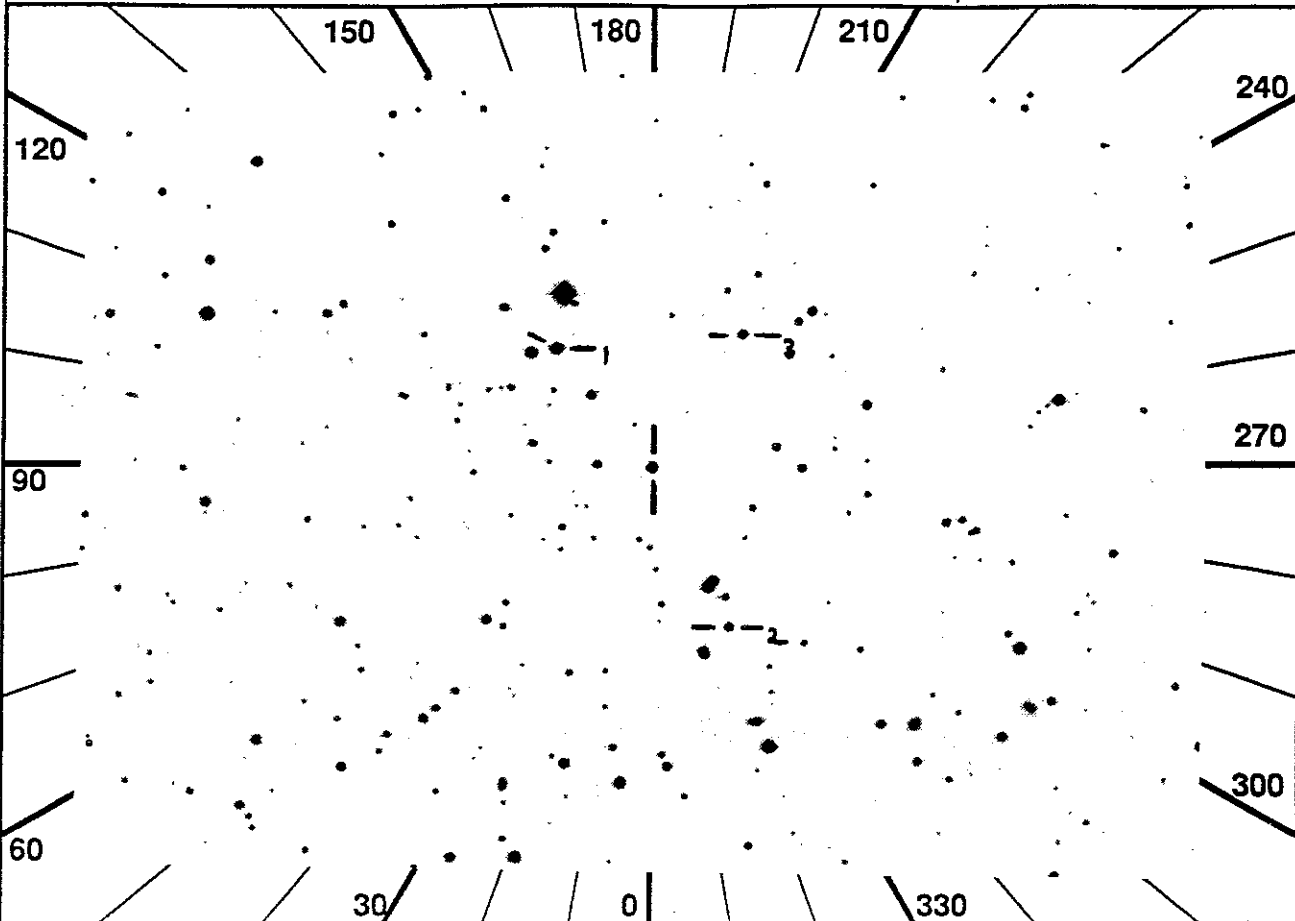
ID: 8623-11
Names: 2155-304 PKS
Type: Blazar
Z: 0.170
Mag: 13-14
% Pol: up to 7%
Pol Var: yes
Pos Ang: 160 (var)
Mechanism: Synchrotron emiss
Comments: UV polarization
wavelength dependence.
UV pol variability (comp
with -40 pting).



UIT
Observation Description

1 RA 328.9932 DEC -30.4650 ROLL 5.89
 2 TIME 2609

ID 8623-40
 NAME 2155-304

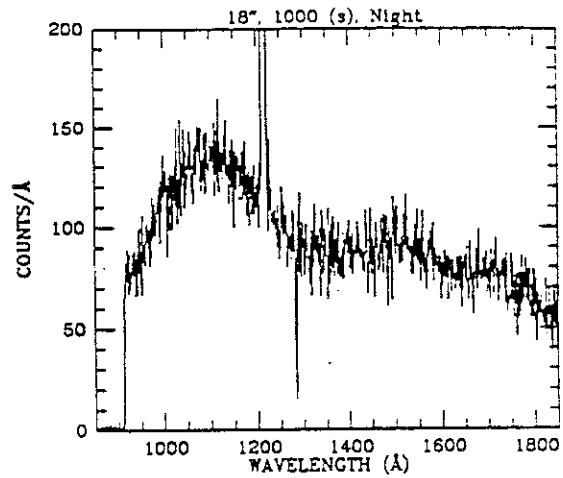


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	S H	315	src sim	15	15	3.0	5	7	4	---	---	---	---	---		
4	W	269	ncn ngd	14	12	2.7		2	2	---	60	---	---	---	FNTLOC	BKG2
5	U	187	DT -	T F	31	a1	31	b1	248	b5					LTSTRT	
6	JAC	ITEM 16	0					22	W							*IF WUP Deconfig
7		Config	H W U					23	W							* WUP ITEM 11 F +1
8								24	W							* Cur/ITEM 6 In fld, zm
9	JAC	All SETUP						25	W							* WUP ITEM 4 (Cur off)
10	W	Chk Stat	-LOC -CUR RDY					26	W							* WUP ITEM 7 (Begin)
11		IMC BEGIN						27	W							* Config with WUP
12		HUT ITEM 5						28	W							NOTE: WUP last seq = BKG
13	W	WUP tgt=	HUT faint star					29	U	JOB						Wait for TIME AVAIL 2184
14	W	*IF WUP	target visible					30	U							UIT BEGIN
15	W	* WUP	PFK cur to target					31	U	JAC						Config with UIT
16	W	* WUP	ITEM 6 (Cntr)					32		JOB						Observe
17	W	* WUP	ITEM 4 (Cur off)					33		JAC						All PREVIEW
18	W	*ELSE						34								All QUIT
19	W	* Config	without WUP					35								-----
20	U	Config	without UIT					36	JAC	ITEM 16_1						
21		All	BEGIN													

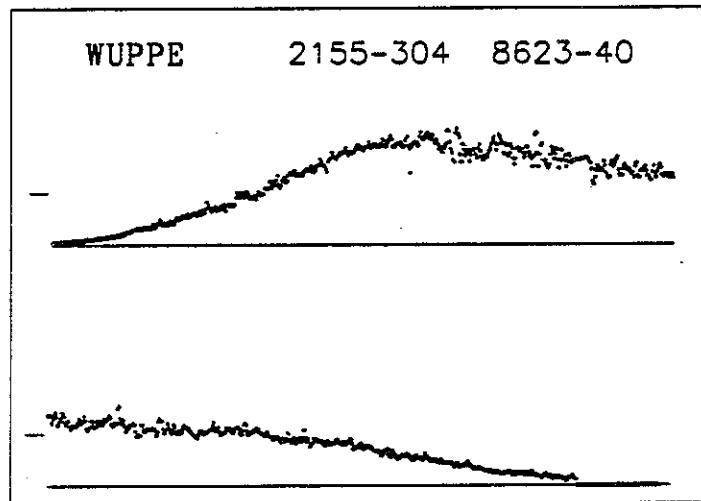
BL Lac (varies to 13)

1

OBJECT: PKS 2155-304
KEYWORDS: BL Lac Object
COMMENTS:
Look for redshifted Lyman α absorption
or a Lyman edge



ID: 8623-40
Names: 2155-304 PKS
Type: Blazar
Z: 0.170
Mag: 13- 14
% Pol: up to 7%
Pol Var: yes
Pos Ang: 160 (var)
Mechanism: Synchrotron emiss
Comments: UV polarization
wavelength dependence.
UV pol variability (comp
with -11 pting).
Co-pointing with BBXRT.



UIT
Observation Description