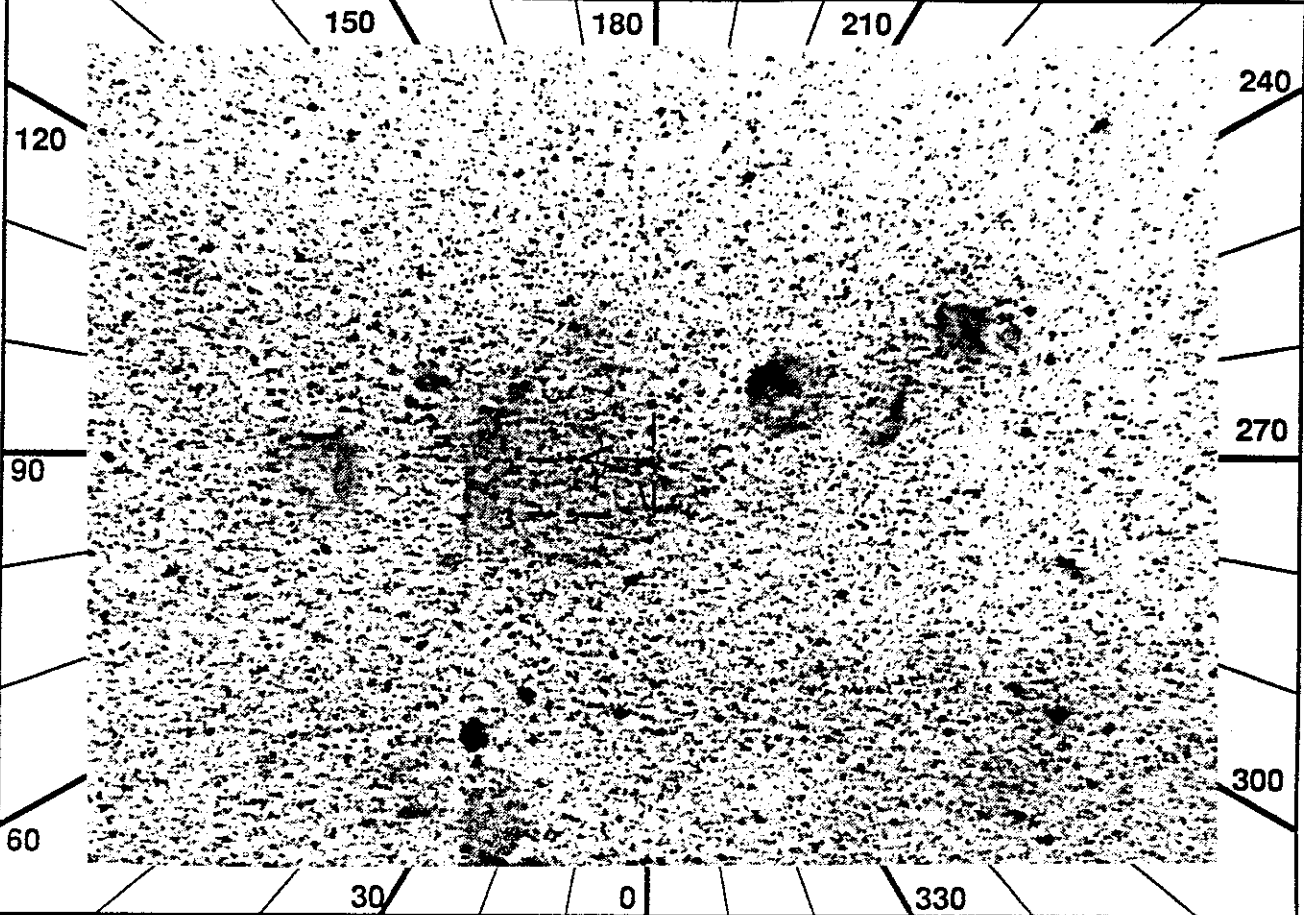


1 RA 11.3454 DEC -73.4036 ROLL 23.00  
 2 TIME 1416

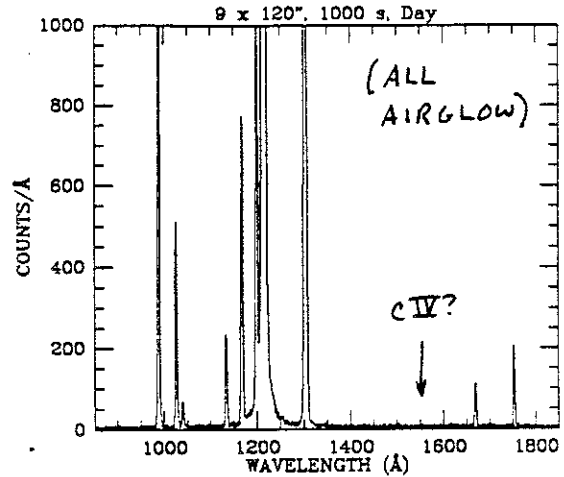
ID 6106-10  
 NAME SMC-A



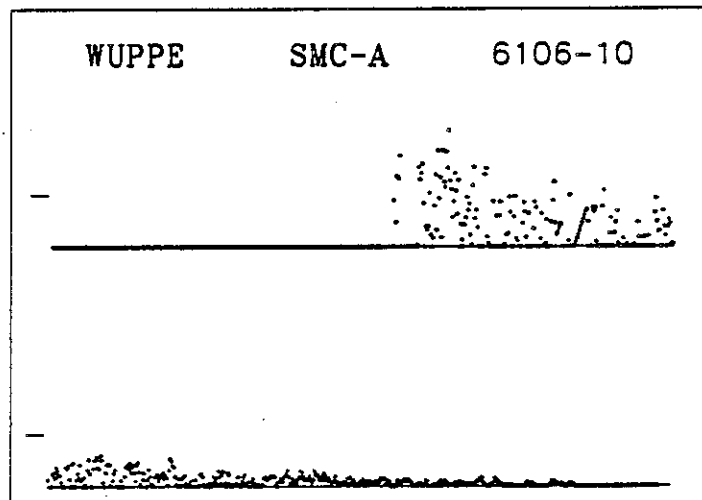
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2		
3	H	74	gde	sim	14	14	3.7	5	2	1	---	-	-	---	LCDATA			
4	W	245	nlc	ngd	15	12	1.0		6	4	---	-	-	---	NOLOC			
5	P	U	212	DT	-	T	F	31	a2	31	a4	31	a5	31	b5	-	-	AST4SC
6	H	HOP	ITEM	90	5	1	(loc=obs ap)		16			HUT	ITEM	5				
7	I		CMD	WRI	3900				17			All	BEGIN					
8	I			F007F0010FA0	(4s upd)				18	JOB	Observe							
9	I	IMC	CHK	AST	WAC	incr	once/4s		19	JAC	All	PREVIEW						
10		JAC	ITEM	16	0				20		All	QUIT						
11			Config	H	W	U			21									
12									22	JAC	ITEM	16	1					
13	JAC	All	SETUP						23	I	CMD	ISS	3908	(1s upd)				
14	W	Chk	Stat	-LOC	-PAU	RDY			24	H	HOP	ITEM	90_5_0	(restore)				
15		IMC	BEGIN															

SNR  
 2 (low priority)

OBJECT: 6106 SMC-A  
 KEYWORDS: Faint SMC SN Remnant  
 COMMENTS:  
 The spectrum shown is that of  
 airglow only. If anything else  
 is seen, especially C IV 1550  
 or C III 977, it would be very  
 interesting.



ID: 6106-10  
 Names: SMC-A SMCSNR  
 Type:  
 % Pol:  
 Pol Var:  
 Pos Ang:  
 Mechanism: synchrotron;  
 resonance scattering  
 Comments: Low continuum  
 expected; lines could be  
 polarized.  
 IUE data used for simulated  
 spectrum is that of 1E0102SNR.



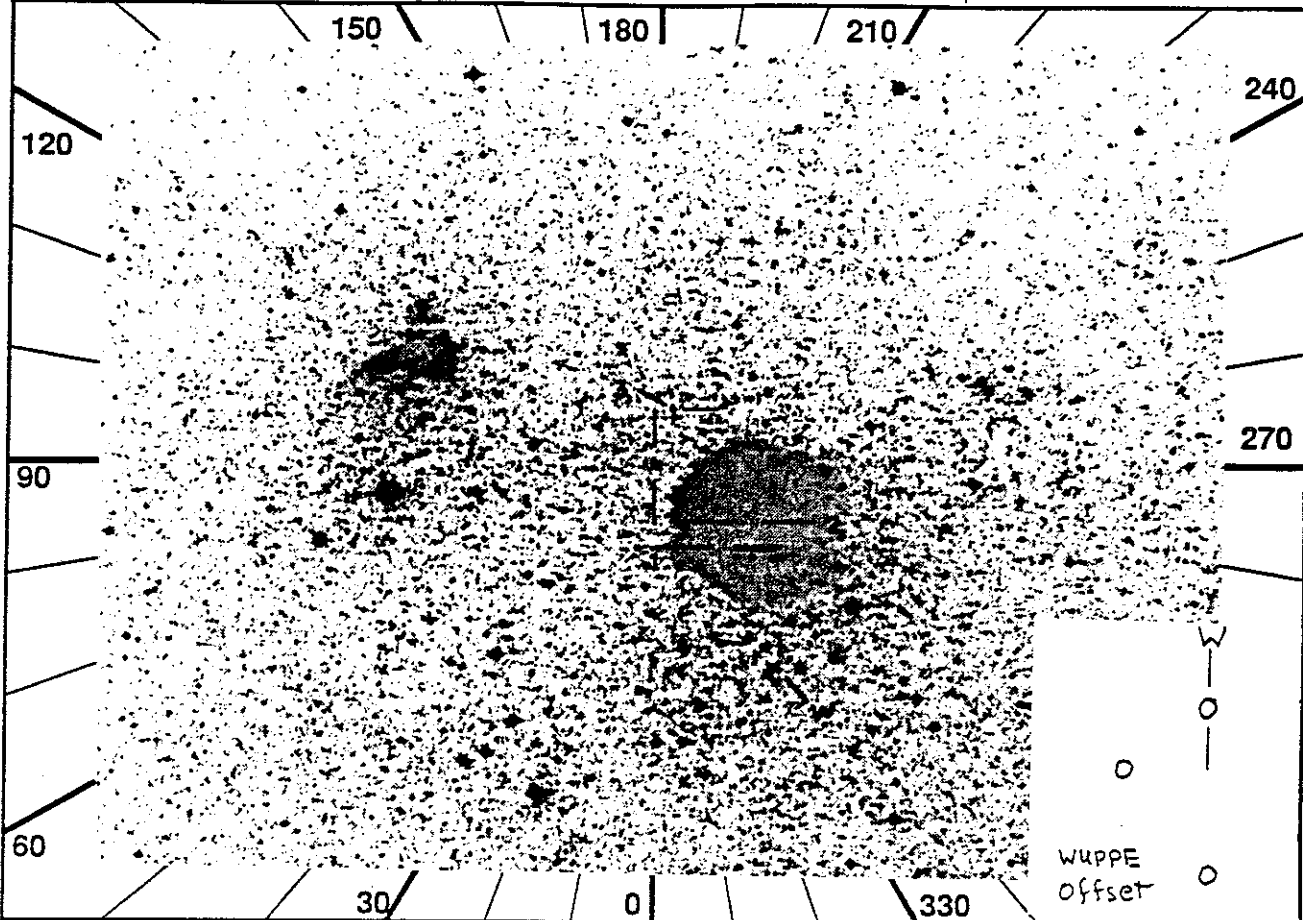
UIT  
 Observation Description

1 RA 15.6138 DEC -72.3019 ROLL 60.44

ID 6112-10

2 TIME 187 MANOPS

NAME SMC-B

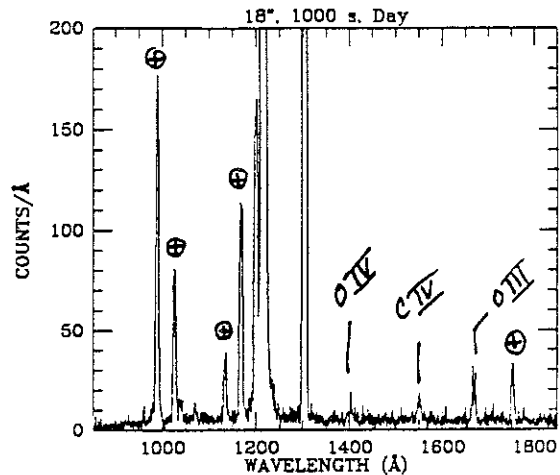


WUPPE  
Offset

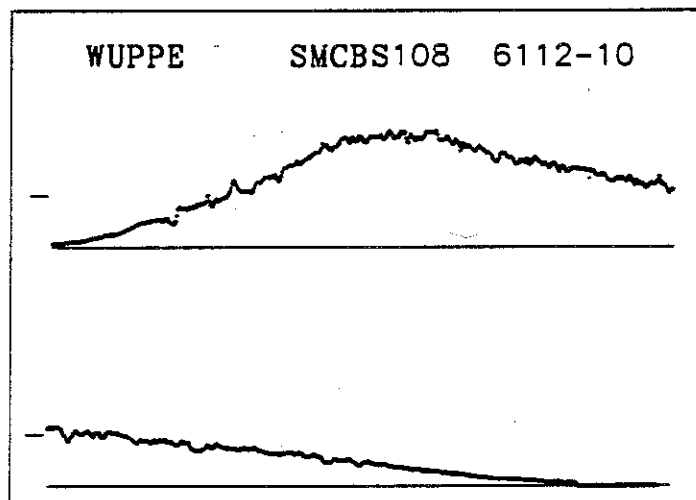
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	244	gde	sim	15	14	3.2	5	7	4	---	---	---	---	LCDATA		
4	W	224	fld	aut	12	9	3.7		2	2	314	---	---	---	FLDLOC	OFFTGT	
5	S	U	13	DT	-	T	F	31	a	4						AST4SC	
6	H	HOP	ITEM	90_5_1	(loc=obs ap)				19	W		*	WUP	PFK	cur	to	target
7	I		CMD	WRI_3900					20	W		*	WUP	ITEM	6	(Cntr)	
8	I			F007F0010FA0	(4s upd)				21	W		WUP	ITEM	4	(Cur off)		
9	I	IMC	CHK	AST	WAC	incr	once/4s		22	W		WUP	ITEM	11	Z	(Zoom)	
10	JAC		ITEM	16_0					23	W		Chk	WUP	Stat	-LOC		
11			Config	H W U					24			All	BEGIN				
12			-----						25	JOB		Observe					
13	JAC		All	SETUP					26	JAC		All	PREVIEW				
14	W		Chk	Stat	-LOC	CUR	RDY		27			All	QUIT				
15			IMC	BEGIN					28			-----					
16			HUT	ITEM	5				29	JAC		ITEM	16_1				
17	W		WUP	tgt	is	offset	star		30	I		CMD	ISS_3908	(1s upd)			
18	W	JAC	*IF	WUP	acq	incorrect			31	H	HOP	ITEM	90_5_0	(restore)			

2

OBJECT: 6112 SMC-B  
 KEYWORDS: SMC O-rich SN Remnant  
 COMMENTS:  
 Emission line object, dominated by  
 dayglow, but faint lines from SNR  
 may be detectable at C IV 1550  
 and O IV 1400. Any O VI 1035?  
 Object name is 1E0102-7219.



ID: 6112-10  
 Names: SMC-B SK108  
 Type:  
 % Pol: 0.4  
 Pol Var: 0.1  
 Pos Ang: 102  
 Mechanism:  
 Comments: WUPPE is offsetting  
 to AB6/SK108; Sp WN3+O7Ia;  
 <V>=12.4; Phase locked  
 variations with binary phase;  
 Period=6.5d



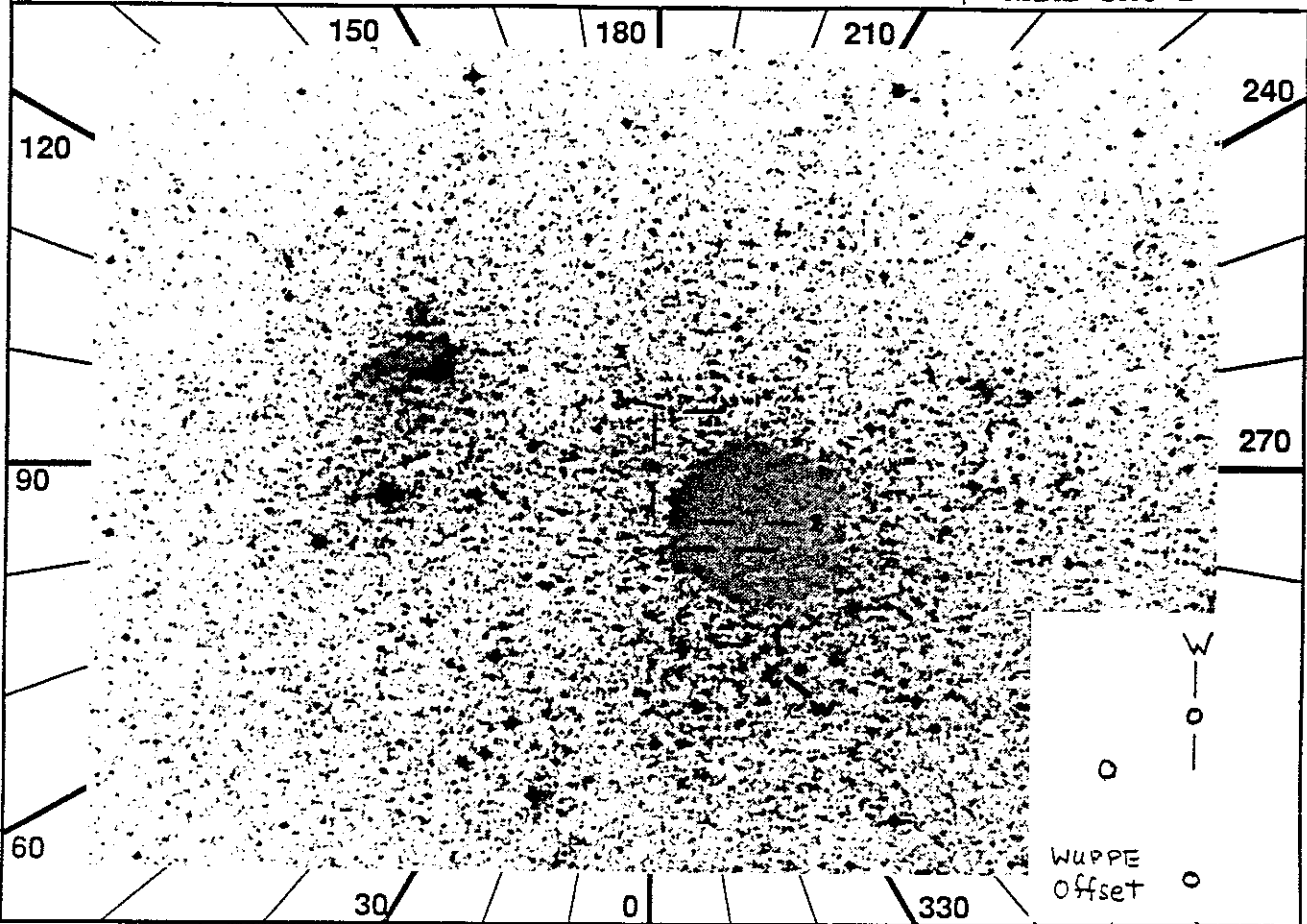
UIT  
 Observation Description

1 RA 15.6138 DEC -72.3019 ROLL 60.44

ID 6112-11

2 TIME 857 MANOPS

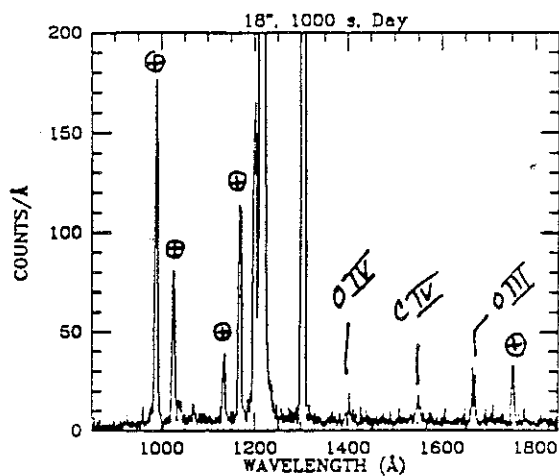
NAME SMC-B



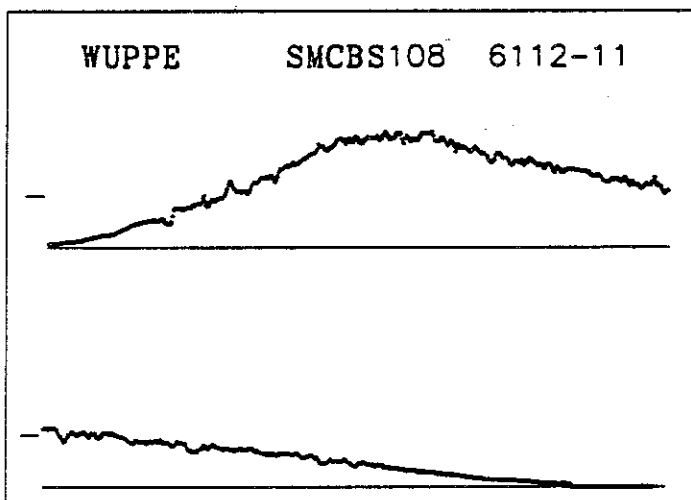
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	344	gde	sim	15	14	3.2	5	7	4	---	---	---	---	LCDATA		
4	W	224	fld	aut	12	9	3.7		2	2	314	---	---	---	FLDLOC	OFFTGT	
5	S	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---	---	AST4SC	
6	H	HOP	ITEM	90_5_1	(loc=obs ap)				19	W		*	WUP	PFK	cur	to	target
7	I		CMD	WRI_3900					20	W		*	WUP	ITEM	6	(Cntr)	
8	I			F007F0010FA0	(4s upd)				21	W		WUP	ITEM	4	(Cur off)		
9	I	IMC	CRk	AST	WAC	incr	once/4s		22	W		WUP	ITEM	11_2	(Zoom)		
10	JAC		ITEM	16_0					23	W		Chk	WUP	Stat	-LOC		
11			Config	H W U					24			All	BEGIN				
12			-----						25	JOB	Observe						
13	JAC		All	SETUP					26	JAC	All	PREVIEW					
14	W		Chk	Stat	-LOC	CUR	RDY		27			All	QUIT				
15			IMC	BEGIN					28			-----					
16			HUT	ITEM	5				29	JAC	ITEM	16_1					
17	W		WUP	tgt	is	offset	star		30	I		CMD	ISS_3908	(1s upd)			
18	W	JAC	*IF	WUP	acq	incorrect			31	H	HOP	ITEM	90_5_0	(restore)			

2

OBJECT: 6112 SMC-B  
 KEYWORDS: SMC O-rich SN Remnant  
 COMMENTS:  
 Emission line object, dominated by  
 dayglow, but faint lines from SNR  
 may be detectable at C IV 1550  
 and O IV 1400. Any O VI 1035?  
 Object name is 1E0102-7219.



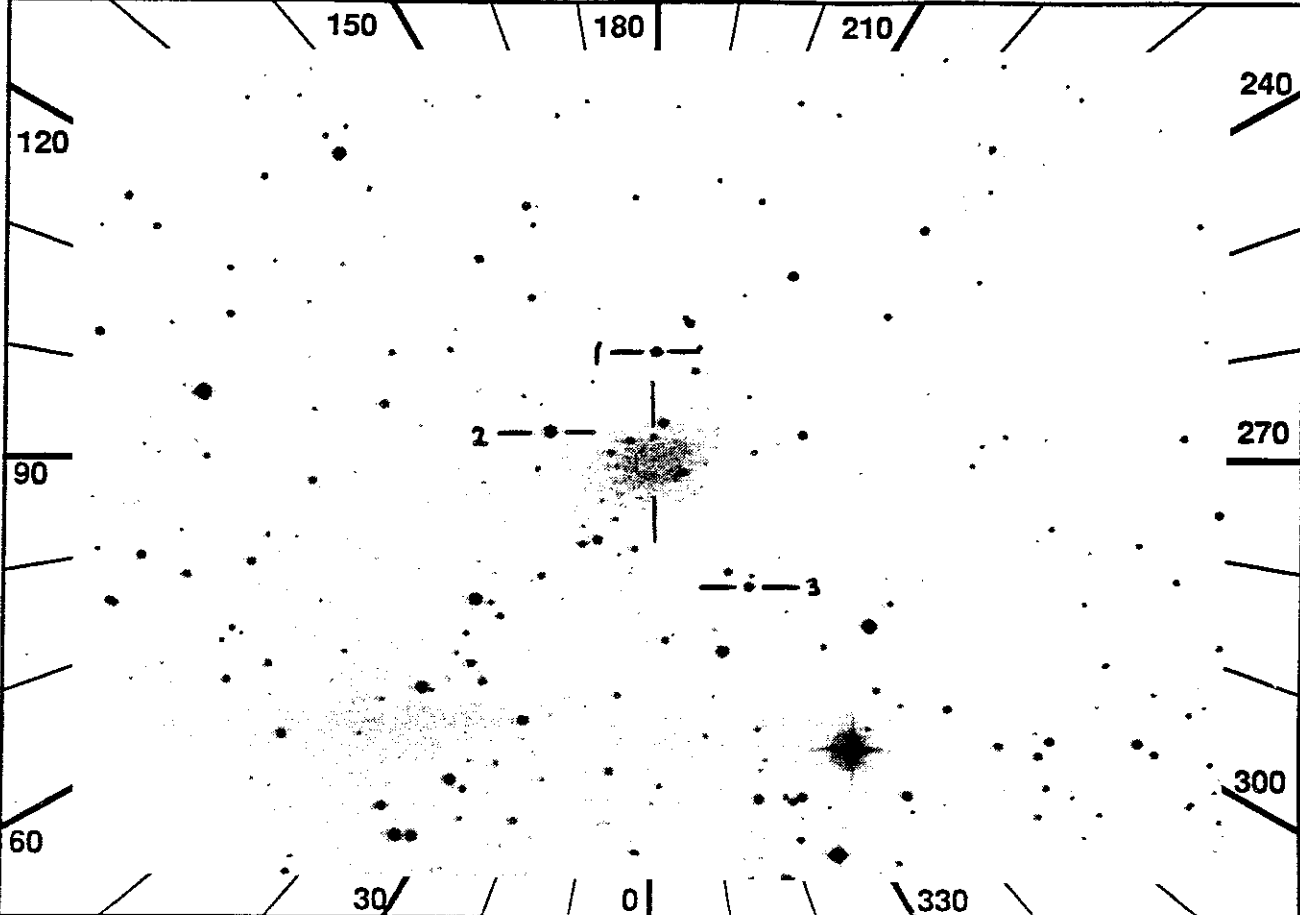
ID: 6112-11  
 Names: SMC-B SK108  
 Type:  
 % Pol: 0.4  
 Pol. Var: 0.1  
 Pos Ang: 102  
 Mechanism:  
 Comments: WUPPE is offsetting  
 to AB6/SK108; Sp WN3+O7Ia;  
 <V>=12.4; Phase locked  
 variations with binary phase;  
 Period=6.5d



UIT  
 Observation Description

1 RA 149.3500 DEC 5.5667 ROLL 255.00  
 2 TIME 1765

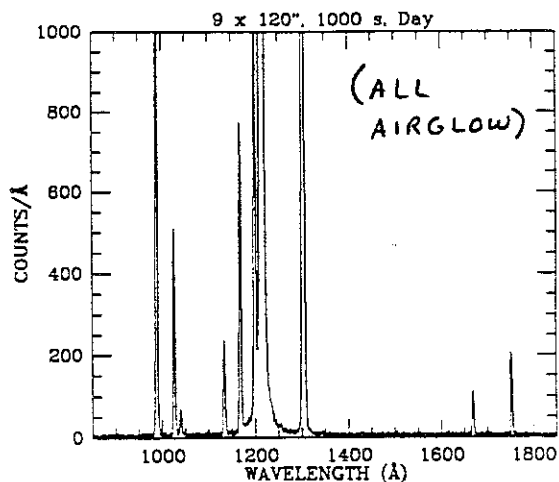
ID 6133-10  
 NAME SEX-B



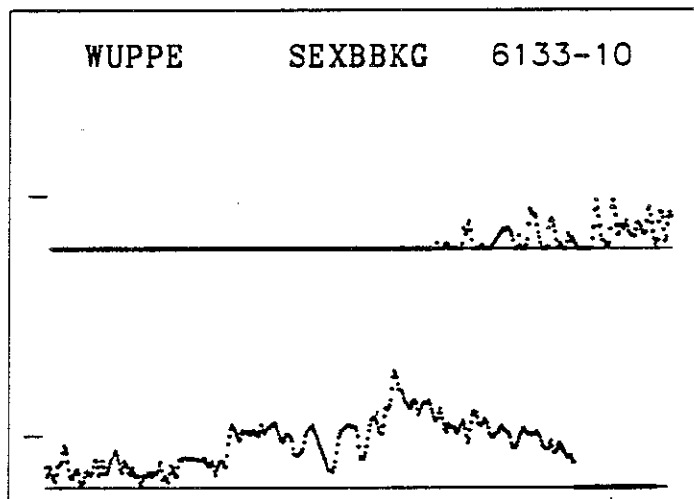
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	164	gde sim	15	15	3.6	5	1	4	---	---	---	---	---	SAA	3M	
4	W	8	nlc ngd	15	15	1.0		7	4	300	---	---	---	---	NOLOC		
5	P	U	253	DT	-	T	F	50	a2	50	a5	50	b5	31	b1	31	a1
6	H	-	VIP ON until SAA exit				16	H	JAC	ITEM 16 0							
7	JAC	Config H W U				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	J	Chk Stat - -PAU 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														

3 (airglow)

OBJECT: 6133 SEX-B  
KEYWORDS: Dwarf Irr. Galaxy  
COMMENTS:  
The spectrum shown is that of  
airglow only. If anything else  
is seen, it will be surprising.



ID: 6133-10  
Names: SEX-B  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.

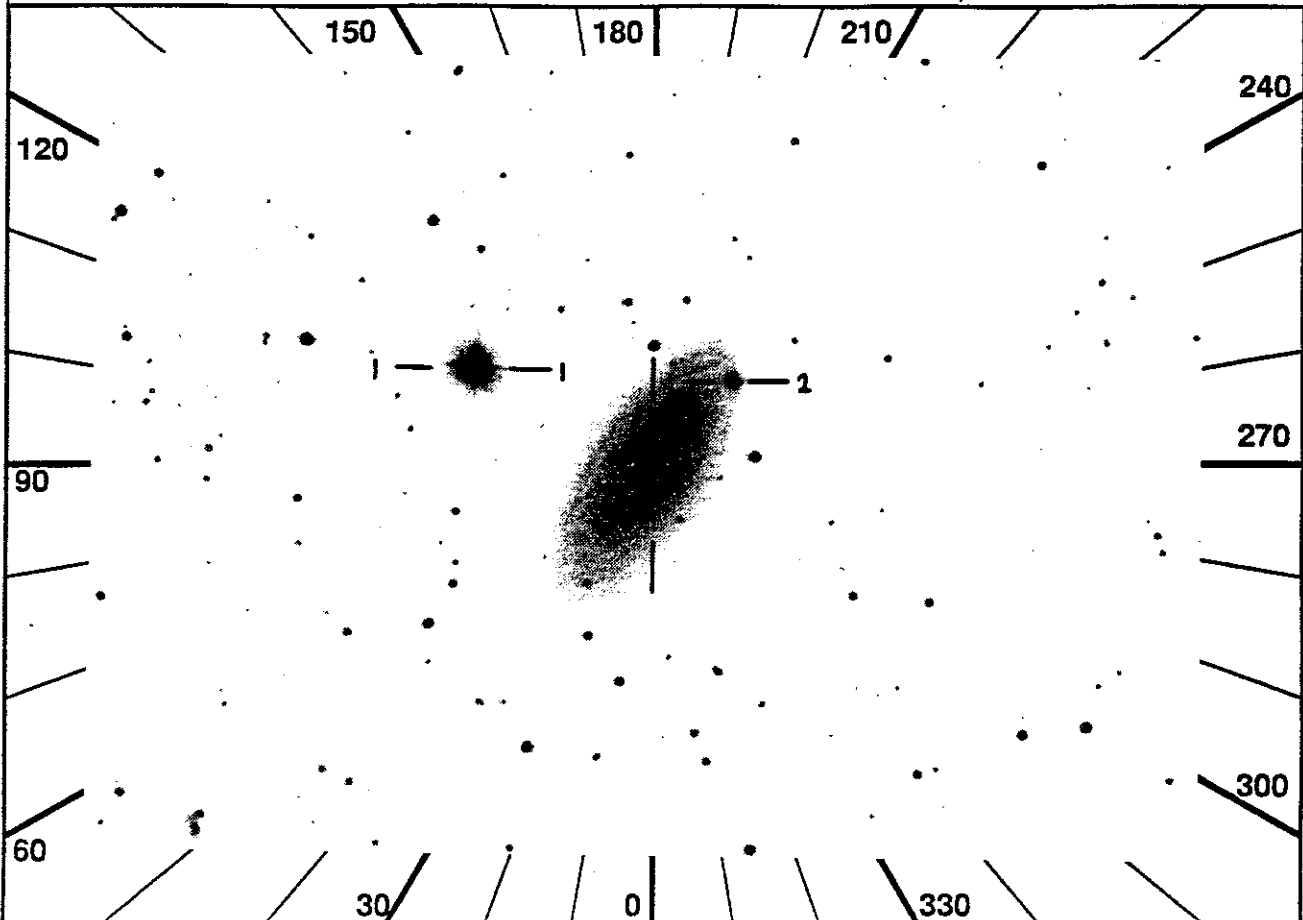


UIT  
Observation Description



1 RA 139.6454 DEC 51.1886 ROLL 286.10  
 2 TIME 773

ID 6202-11  
 NAME NGC2841



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	94	gde	sim	15	11	3.6	5	1	4	---	---	---	---	SAA	AC LCDATA
4	W	228	ncn	ngd	15	15	1.8		7	4	---	---	---	---	NUCLOC	DFLD
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---	---	---

```

6 H HOP ITEM 90_5_1 (loc=obs ap)      24 H JAC ITEM 16_0
7 H - VIP ON until SAA exit          25 H HUT SETUP
8 JAC Config H W U                   26 H Chk HUT Stat -LOC
9 -----                           27 W WUP ITEM 11 DF
10 H - Note: Acquisition in SAA      28 W WUP wait CAM MODE ZOOM
11 JAC All SETUP                     29 All BEGIN
12 J Chk Stat - -CUR RDY            30 W *IF WUP Deconfig
13 H TV Verify HUT acq on TV         31 W * WUP ITEM 11_F+1
14 JAC IMC BEGIN                     32 W * Cur/ITEM 6 In fld, zm
15 HUT ITEM 5                        33 W * WUP ITEM 4 (Cur off)
16 W WUP tgt is gal nucleus          34 W * WUP ITEM 7 (Begin)
17 W *IF WUP target visible          35 W * Config with WUP
18 W * WUP PFK cur to target         36 JOB Observe
19 W * WUP ITEM 6 (Cntr)             37 JAC All PREVIEW
20 W * WUP ITEM 4 (Cur off)         38 All QUIT
21 W *ELSE                            39 -----
22 W * Config without WUP           40 JAC ITEM 16_1
23 H - After SAA exit                41 H HOP ITEM 90_5_0 (restore)

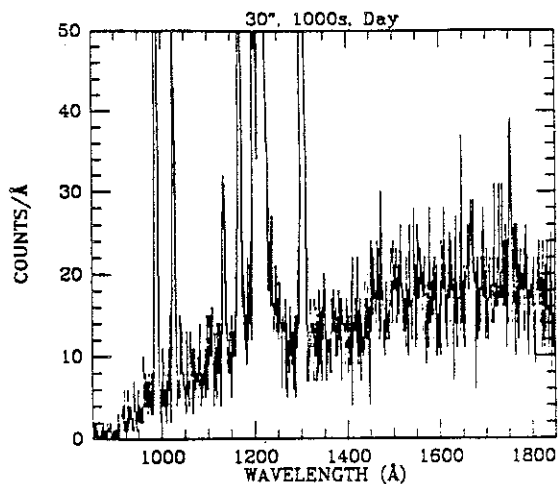
```

3 (won't see in acquisition)

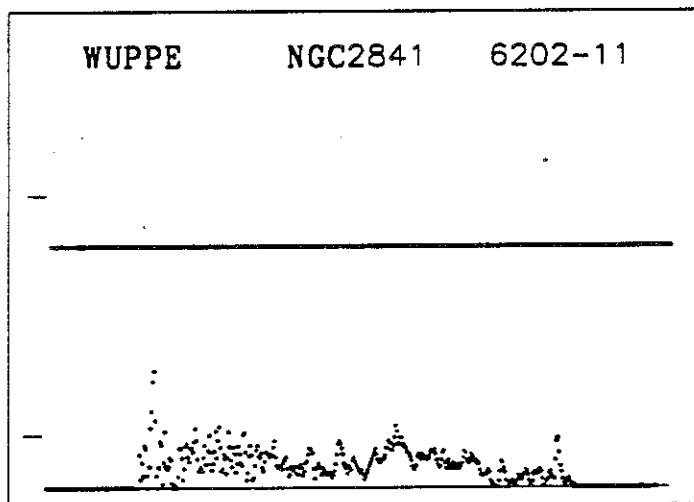
---

OBJECT: 6202 NGC2841  
KEYWORDS: Sb Galaxy Nucleus  
COMMENTS:  
Pointing at nucleus.  
Galaxy probably won't be visible on TV  
  
Simulation is a very crude guess

---



ID: 6202-11  
Names: NGC2841  
Type: Spiral galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nuclear spectrum,  
large aperture, low res  
Lyot.



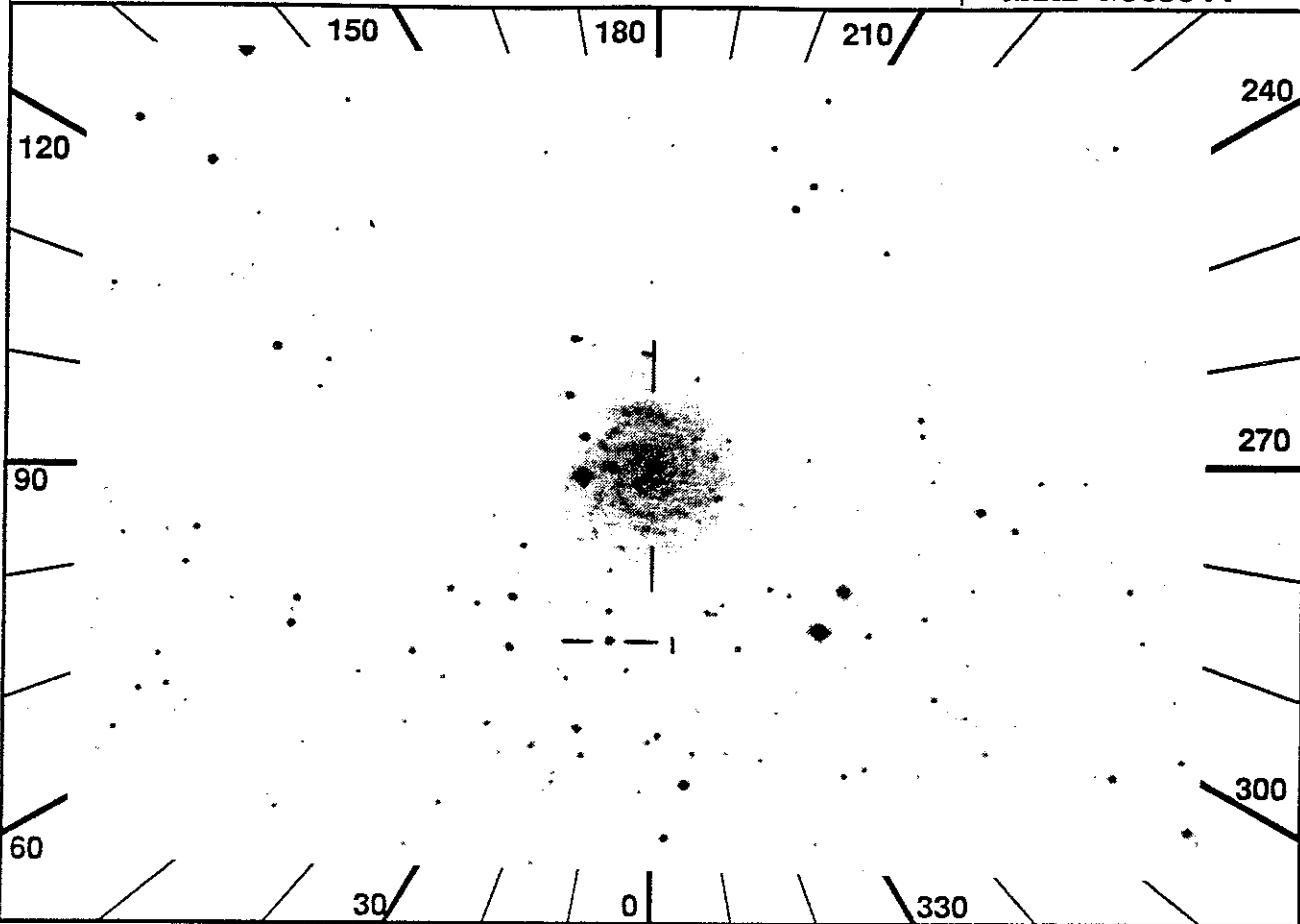
UIT  
Observation Description

1 RA 160.1958 DEC 25.1850 ROLL 270.16

ID 6208-10

2 TIME 919

NAME NGC3344



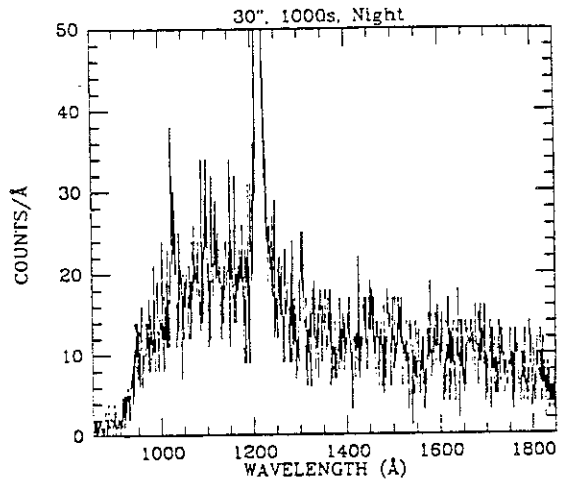
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	226	gde sim	18	15	3.6	2.8	5	1	4	---	---	---	---	MANUAL	
4	W	229	ncn ngd	15	15	1.8			7	4	---	---	---	---	NUCLOC	DFLD
5	P	U	185	DT	-	T	F	47	b5	31	b1	31	a1	-	-	AST4SC
6	I		CMD WRI	3900					24	W					*ELSE	
7	I		F007F0010FA0	(4s upd)					25	W					* 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		*IF HUT	src visible					31	W					* Cur/ITEM 6 in fld, zm	
14	H		* HUT	ITEM 4					32	W					* WUP ITEM 4 (Cur off)	
15	H		* HUT	PFK cur to src					33	W					* WUP ITEM 7 (Begin)	
16	W		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)												

*3 nucleus*

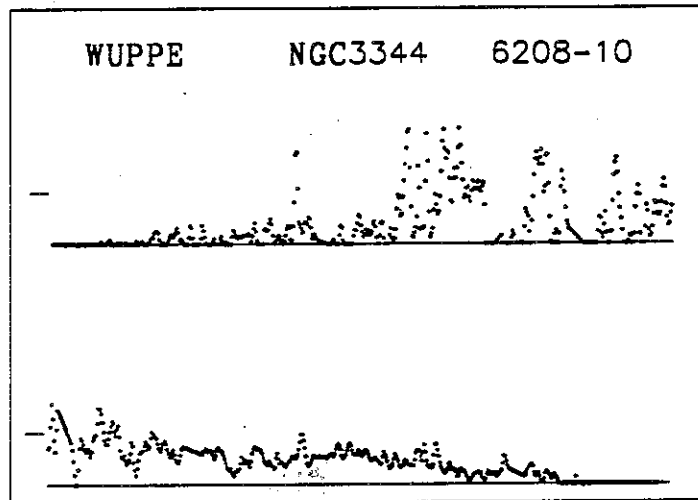
---

OBJECT: 6208 NGC3344  
KEYWORDS: Spiral Galaxy nucleus  
COMMENTS:  
Sbc(rs)I,2 galaxy  
Pointing at the nucleus  
Galaxy probably won't be visible in TV  
  
Simulation is a very crude guess

---



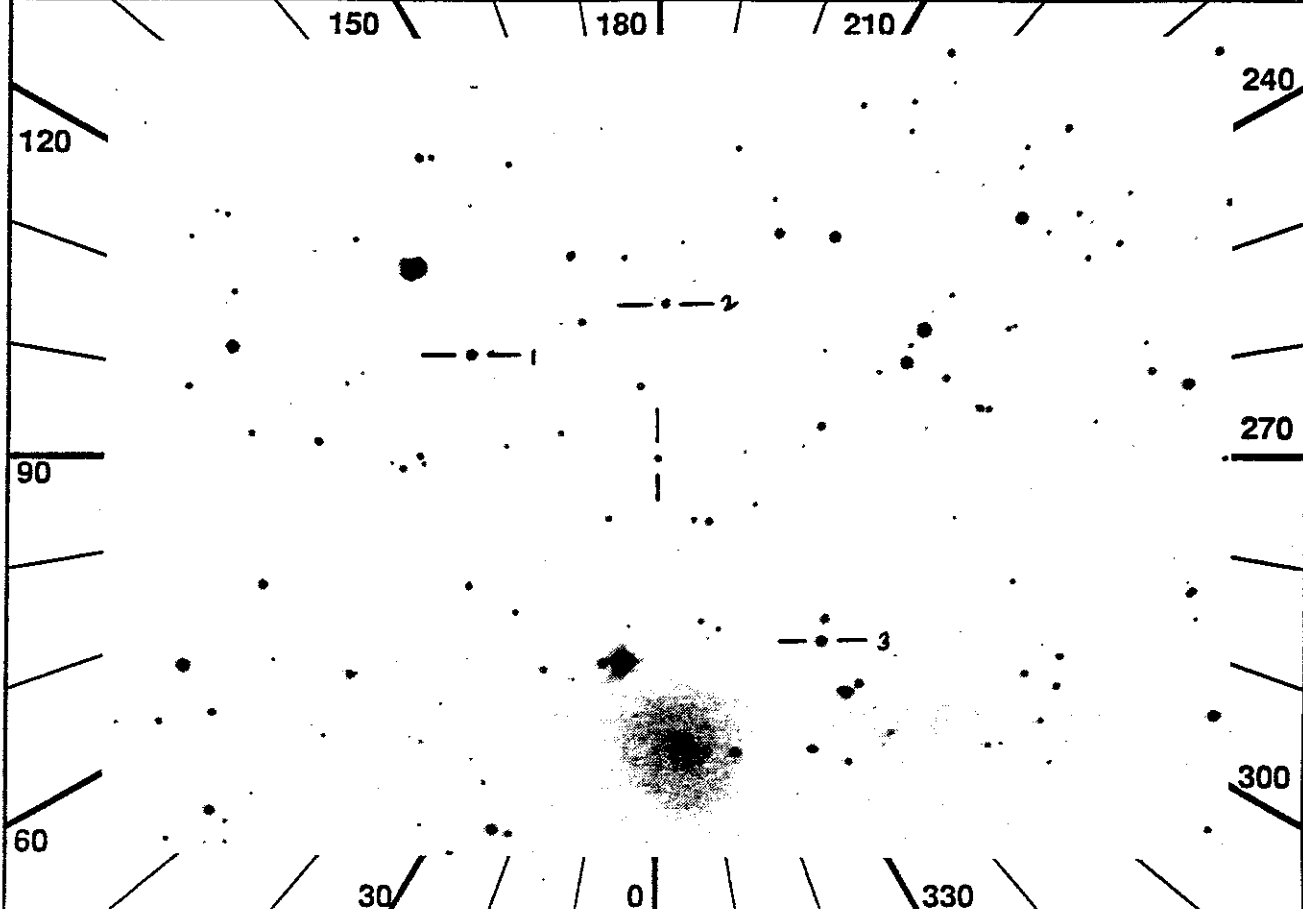
ID: 6208-10  
Names: NGC3344  
Type: Spiral galaxy  
Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nuclear spectrum,  
large aperture, low res  
Lyot.  
IUE data used for simulated  
spectrum is that of M101A.



UIT  
Observation Description

1 RA 188.6177 DEC 14.6048 ROLL 183.68  
 2 TIME 1791

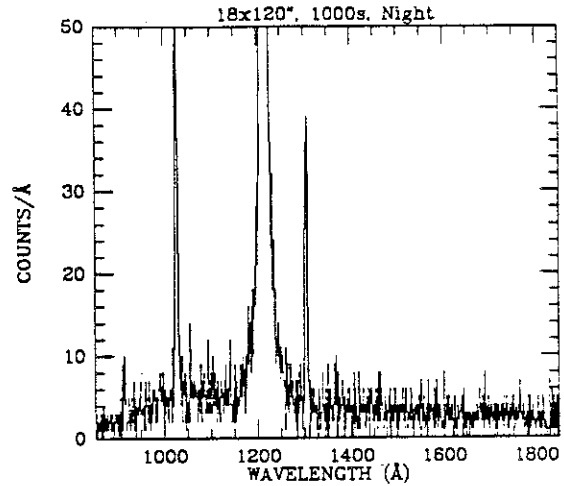
ID 6210-10  
 NAME MALIN 1



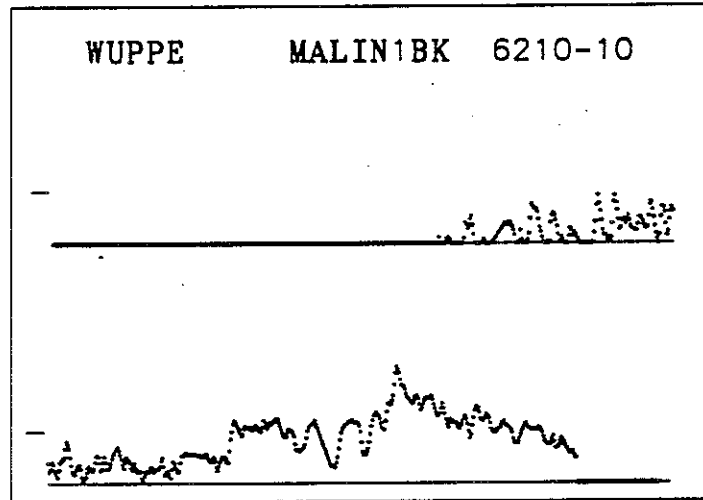
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	220	gde sim	19	15	3.2	5	6	1	---	---	---	---	---	LCDATA	
4	W	8	nlc ngd	15	15	1.0		7	4	300	---	---	---	---	NOLOC	
5	P	U	225	DT	-	T	F	7	b5	31	b1	31	a1	---	---	AST4SC
6	H	HOP	ITEM 90_5_1	(loc=obs ap)			16								HUT	ITEM 5
7	I		CMD WRI_3900				17								All	BEGIN
8	I		F007F0010FA0	(4s upd)			18		JOB	Observe						
9	I	IMC	CHK AST WAC	incr once/4s			19		JAC	All	PREVIEW					
10		JAC	ITEM 16_0				20			All	QUIT					
11			Config H W U				21			-----						
12			-----				22		JAC	ITEM 16_1						
13		JAC	All	SETUP			23	I		CMD	ISS_3908	(1s upd)				
14	W		Chk	Stat -LOC -PAU RDY			24	H	HOP	ITEM 90_5_0	(restore)					
15			IMC	BEGIN												

*airglow  
 but perfect subtraction for M60  
 2*

OBJECT: 6210 Malin-1  
KEYWORDS: Low Surface Brightness Galaxy  
COMMENTS:  
Galaxy will not be visible in TV  
Pointing at nucleus with big slit  
Mostly to get a good nightglow spectrum  
in the direction of Virgo for subtraction  
from the elliptical galaxy spectra  
Simulation assumes a V=20.0 O star  
(Optimistic, flux-wise)



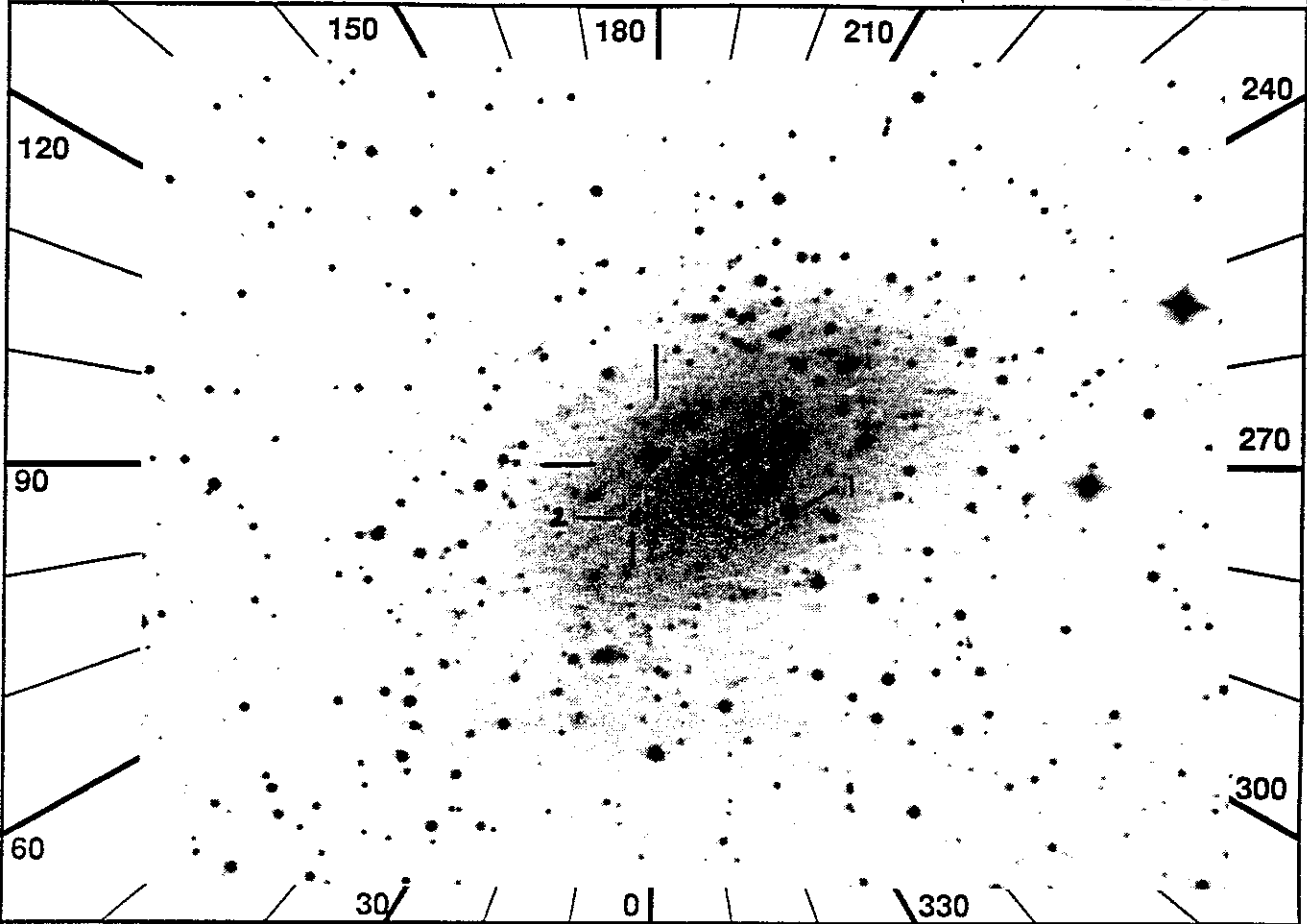
ID: 6210-10  
Names: MALIN\_1  
Type:  
§ Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



UIT  
Observation Description

1 RA 113.0739 DEC 65.7224 ROLL 291.22  
 2 TIME 1244

ID 6215-10  
 NAME NGC2403



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	193	qde	sim	16	12	3.6	5	1	4	---	-	-	---	SAA	AC LCDATA
4	W	231	ncn	ngd	12	15	1.3		6	4	28	---	-	---	HILOC	DFLD
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	-	-	-

6 H HOP	ITEM 90_5_1 (loc=obs ap)	24 H JAC	ITEM 16 0
7 H -	VIP ON until SAA exit	25 H	HUT SETUP
8 JAC	Config H W U	26 H	Chk HUT Stat -LOC
9	-----	27 W	WUP ITEM 11 DF
10 H -	Note: Acquisition in SAA	28 W	WUP wait CAM MODE ZOOM
11 JAC	All SETUP	29	All BEGIN
12 J	Chk Stat - -CUR RDY	30 W	*IF WUP Deconfig
13 H TV	Verify HUT acq on TV	31 W	* WUP ITEM 11 F +1
14 JAC	IMC BEGIN	32 W	* Cur/ITEM 6 in fld, zm
15	HUT ITEM 5	33 W	* WUP ITEM 4 (Cur off)
16 W	WUP tgt= offset HII rgn	34 W	* WUP ITEM 7 (Begin)
17 W	*IF WUP target visible	35 W	* Config with WUP
18 W	* WUP PFK cur to target	36	JOB Observe
19 W	* WUP ITEM 6 (Cntr)	37	JAC All PREVIEW
20 W	* WUP ITEM 4 (Cur off)	38	All QUIT
21 W	*ELSE	39	-----
22 W	* Config without WUP	40	JAC ITEM 16_1
23 H -	After SAA exit	41 H HOP	ITEM 90_5_0 (restore)

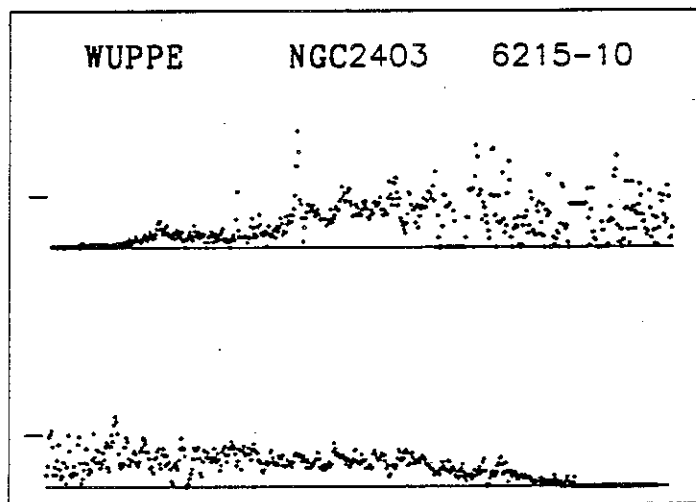
*HII region (not visible)*  
 3

---

OBJECT: 6215 NGC2403  
KEYWORDS: Spiral Galaxy HII region  
COMMENTS:  
Pointing at the brightest HII region  
2.5 arcmin ESE of nucleus  
30" aperture

---

ID: 6215-10  
Names: NGC2403  
Type: Spiral galaxy  
Pol:  $\frac{3}{4}$   
Pol Var:  
Pos Ang:  
Mechanism: dust scattering?  
Comments: Observing HII  
HII region.



UIT  
Observation Description

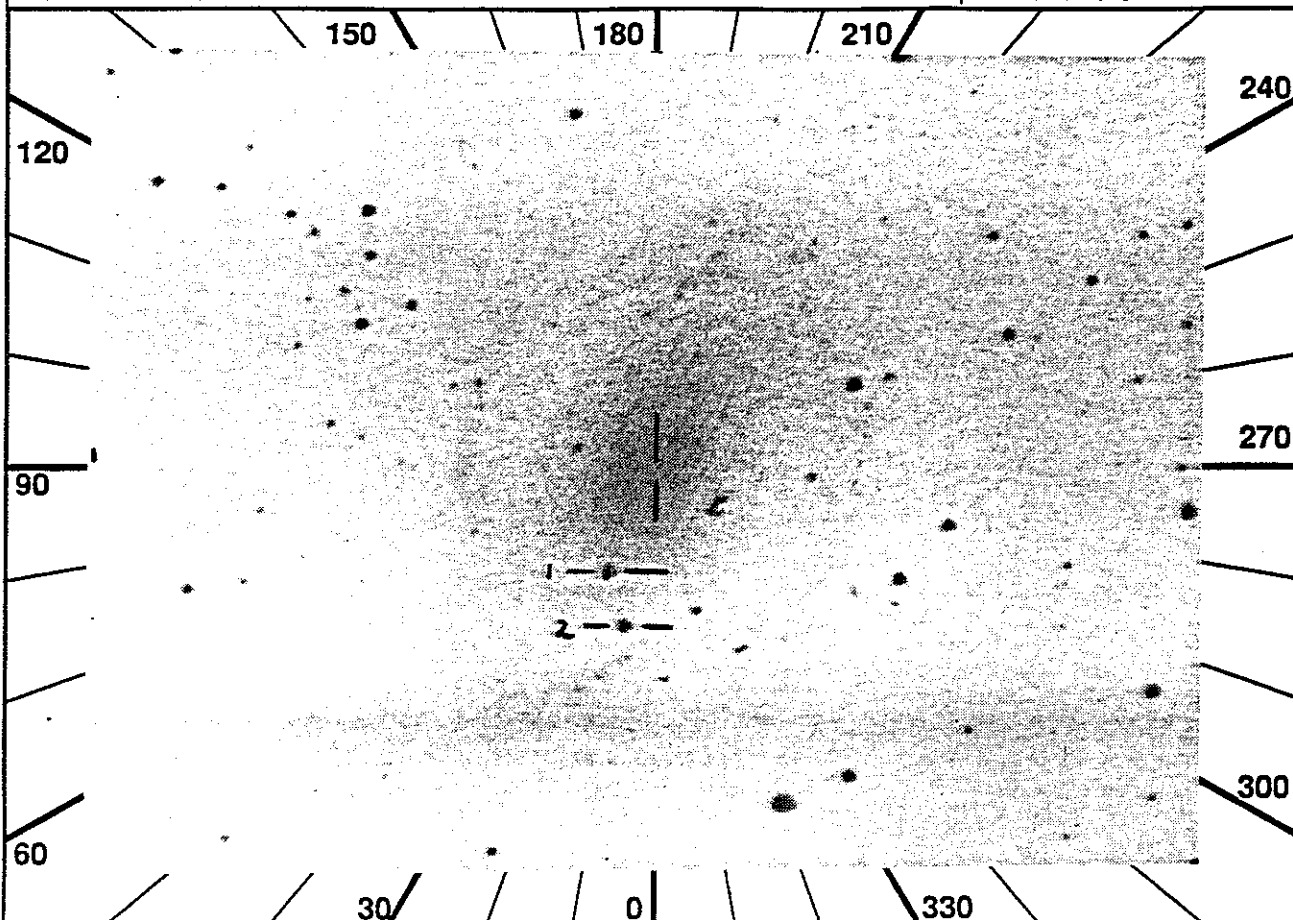


1 RA 147.8651 DEC 69.3036 ROLL 252.69

ID 6216-11

2 TIME 960

NAME M81



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	143	<i>gde</i> <del>src</del> sim	14	13	3.6	5	1	4	---	---	---	---	---	LCDATA	MANUAC
4	W	232	ncn ngd	15	15	1.0		7	4	300	7	4	---	---	---	NUCLOC BKG1
5	S	U	211	DT	-	T	F	248	b5	31	b1	31	a1	---	---	AST4SC
6	H	HOP	ITEM 90_5_1	(loc=obs ap)			23	W	* Config without WUP							
7	I		CMD WRI_3900				24		All BEGIN							
8	I		F007F0010FA0	(4s upd)			25	W	*IF WUP Deconfig							
9	I	IMC	CHK AST WAC	incr once/4s			26	W	* WUP ITEM 11 F +1							
10	JAC		ITEM 16_0				27	W	* Cur/ITEM 6 in fld, zm							
11			Config H W U				28	W	* WUP ITEM 4 (Cur off)							
12			-----				29	W	* WUP ITEM 7 (Begin)							
13	JAC		All SETUP				30	W	* Config with WUP							
14	W		Chk Stat -LOC -CUR RDY				31	W	NOTE: WUP 1st seq = BKG							
15			IMC BEGIN				32		JOB Observe							
16			HUT ITEM 5				33	JAC	All PREVIEW							
17	W		WUP tgt is gal nucleus				34		All QUIT							
18	W		*IF WUP target visible				35		-----							
19	W		* WUP PFK cur to target				36	JAC	ITEM 16_1							
20	W		* WUP ITEM 6 (Cntr)				37	I	CMD ISS_3908 (1s upd)							
21	W		* WUP ITEM 4 (Cur off)				38	H	HOP ITEM 90_5_0 (restore)							
22	W		*ELSE													

*nucleus*  
*2*

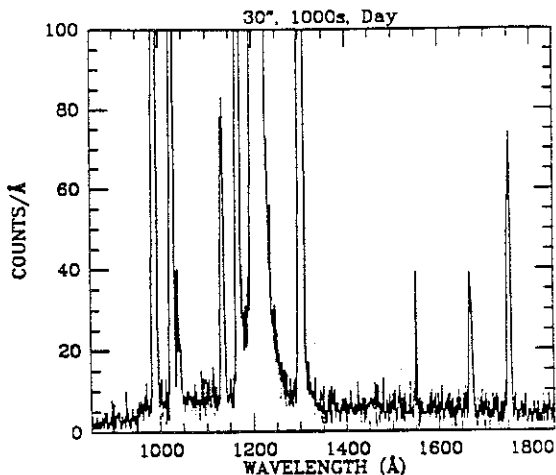
*src + LCDATA incompatible fix how?*

*gde + MANUAL, not LCDATA*

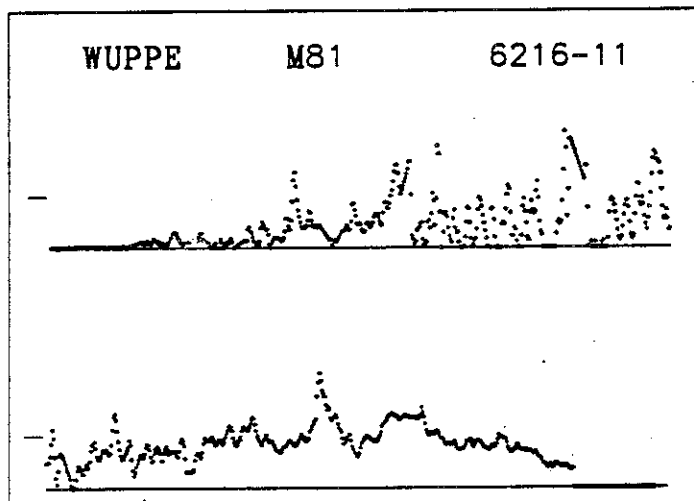
---

OBJECT: 6216 M81 (NGC3031)  
KEYWORDS: Spiral Galaxy nucleus  
COMMENTS:  
Slit should be centered on nucleus  
IUE sees some emission lines:  
CIV 1550Å and NIII] 1750Å  
in HUT range.  
Look for NV, OVI, CIII in addition

---



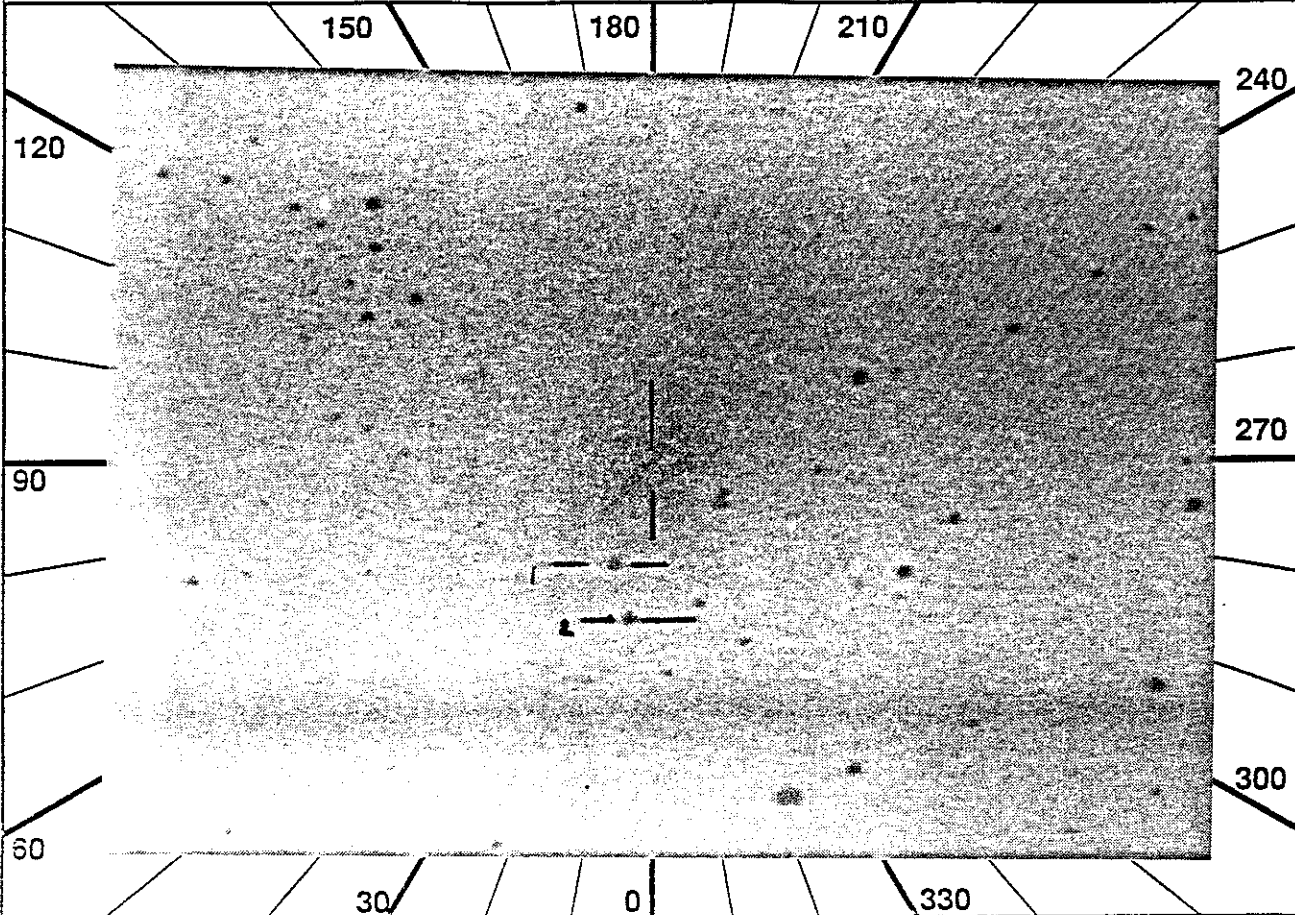
ID: 6216-11  
Names: M81 NGC3031  
Type: Spiral galaxy  
Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nuclear spectrum.  
Background obs first,  
offsetting 300" in dec.  
Co-pointing with BBXRT.



UIT  
Observation Description

1 RA 147.8651 DEC 69.3036 ROLL 252.69  
 2 TIME 1379

ID 6216-12  
 NAME M81



SEC	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	314	<i>gde</i> <del>etc</del> sim	14	13	3.6	5	1	4	---	---	---	---	---	<del>LCDATA</del>	MANUAL
4	W	232	ncn nqd	15	15	1.0		7	4	300	7	4	---	---	---	NUCLOC BKG1
5	S	U	209	DT	-	T	F	31	a2	31	a5	-	-	-	-	AST4SC

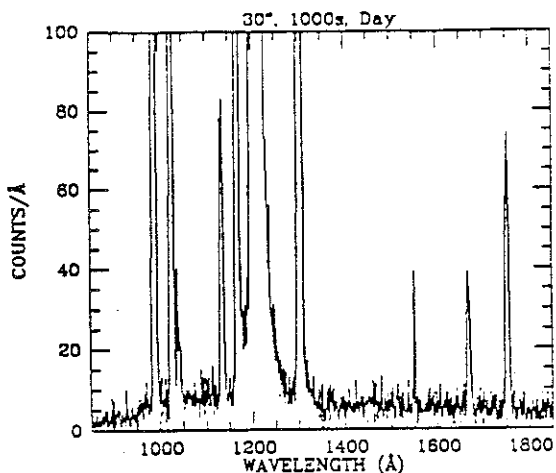
```

6 H HOP ITEM 90_5_1 (loc-obs ap) 23 W * Config without WUP
7 I CMD WPI_3900 24 All BEGIN
8 I _F007F0010FA0 (4s upd) 25 W *IF WUP Deconfig
9 I IMC Chk AST WAC incr once/4s 26 W * WUP ITEM 11 F_+1
10 JAC ITEM 16_0 27 W * Cur/ITEM 6 in fld, zm
11 Config F W U 28 W * WUP ITEM 4 (Cur off)
12 ----- 29 W * WUP ITEM 7 (Begin)
13 JAC All SETUP 30 W * Config with WUP
14 W Chk Stac -LOC -CUR RDY 31 W NOTE: WUP 1st seq = BKG
15 IMC BEGIN 32 JOB Observe
16 HUT ITEM 5 33 JAC All PREVIEW
17 W WUP tgt is gal nucleus 34 All QUIT
18 W *IF WUP target visible 35 -----
19 W * WUP PFK cur to target 36 JAC ITEM 16_1
20 W * WUP ITEM 6 (Cntr) 37 I CMD ISS_3908 (1s upd)
21 W * WUP ITEM 4 (Cur off) 38 H HOP ITEM 90_5_0 (restore)
22 W *ELSE
  
```

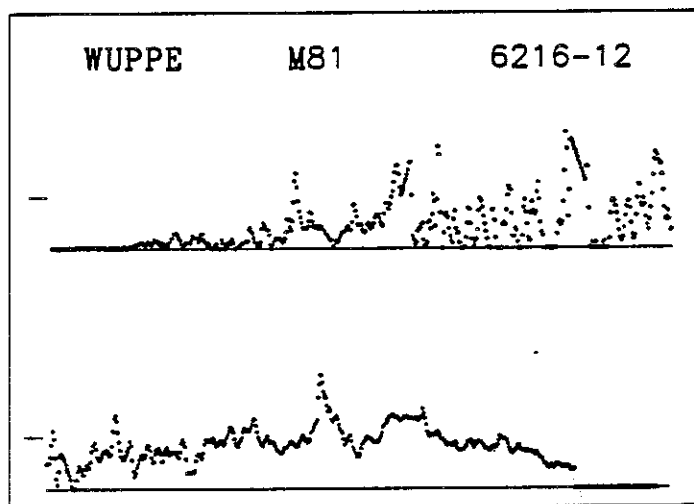
*nucleus*  
 2

*gde MANUAL, not LCDATA*

OBJECT: 6216 M81 (NGC3031)  
KEYWORDS: Spiral Galaxy nucleus  
COMMENTS:  
Slit should be centered on nucleus  
IUE sees some emission lines:  
CIV 1550Å and NIII] 1750Å  
in HUT range.  
Look for NV, OVI, CIII in addition



ID: 6216-12  
Names: M81 NGC3031  
Type: Spiral galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nuclear spectrum.  
Background obs first,  
offsetting 300" in dec.  
Co-pointing with BBXRT.



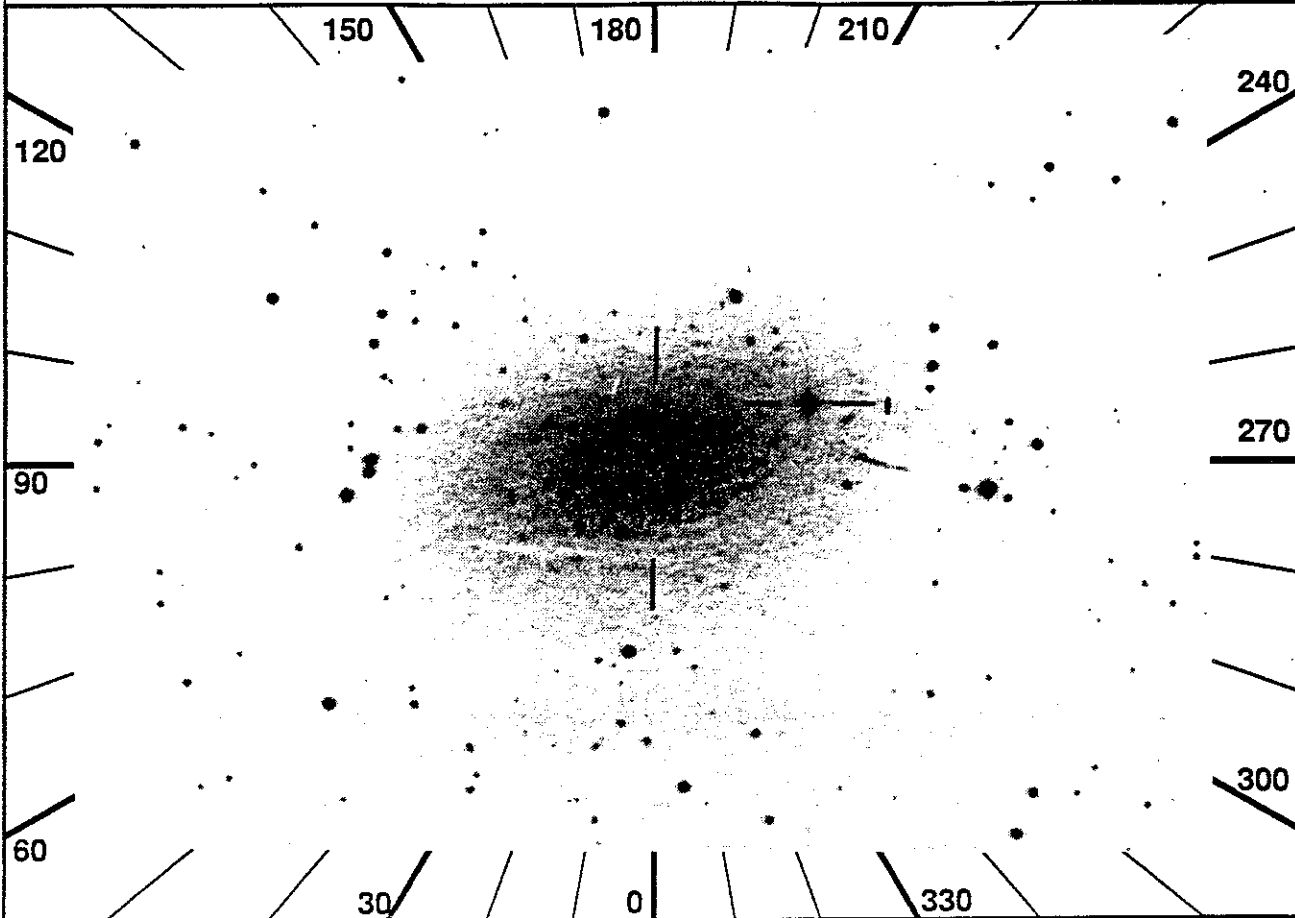
UIT  
Observation Description

1 RA 198.3954 DEC 42.2986 ROLL 142.83

ID 6232-10

2 TIME 2622

NAME M63



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	166	gde	sim	15	10	3.6	5	1	4	---	-	-	---	MANUAL	
4	W	233	ncn	ngd	15	15	1.8		7	4	---	-	-	---	NUCLOC	DFLD
5	P	U	204	DT	-	T	F	24	b5	31	b1	31	a1	-	-	LTSTRT
6	JAC	ITEM	16	0					24	W						WUP wait CAM MODE ZOOM
7		Config	H	W	U				25	U						Config without UIT
8		-----							26							All BEGIN
9	JAC	All	SETUP						27	W						*IF WUP Deconfig
10	H	*IF	HUT	src	visible				28	W						* WUP ITEM 11_F+1
11	H	* HUT	ITEM	4					29	W						* Cur/ITEM 6 In fld, zm
12	H	* HUT	PFK	cur	to	src			30	W						* WUP ITEM 4 (Cur off)
13	W	Chk	Stat	-LOC	-CUR	RDY			31	W						* WUP ITEM 7 (Begin)
14		IMC	BEGIN						32	W						* Config with WUP
15		HUT	ITEM	5					33	U	JOB					Wait for TIME AVAIL 2184
16	W	WUP	tgt	is	gal	nucleus			34	U						UIT BEGIN
17	W	*IF	WUP	target	visible				35	U	JAC					Config with UIT
18	W	* WUP	PFK	cur	to	target			36		JOB					Observe
19	W	* WUP	ITEM	6	(Cntr)				37	JAC						All PREVIEW
20	W	* WUP	ITEM	4	(Cur	off)			38							All QUIT
21	W	*ELSE							39							-----
22	W	* Config	without	WUP					40	JAC						ITEM 16_1
23	W	WUP	ITEM	11_DF												

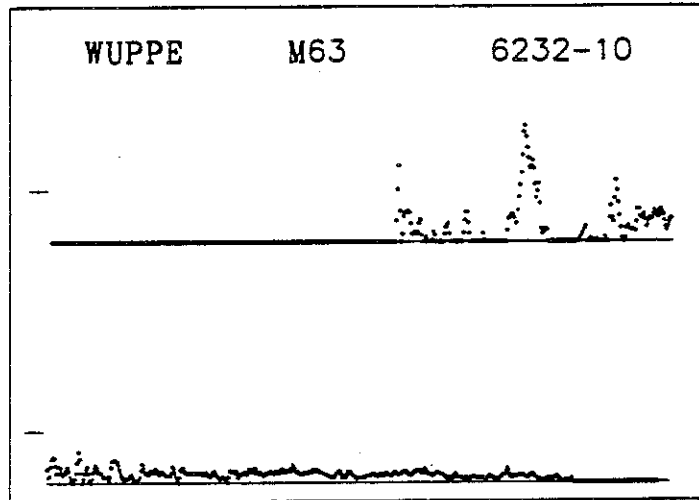
3 nuclear

---

OBJECT: 6232 M63  
KEYWORDS: Spiral Galaxy nucleus  
COMMENTS:  
Sbc(rs)I-II galaxy  
Pointing at the nucleus  
30" aperture

---

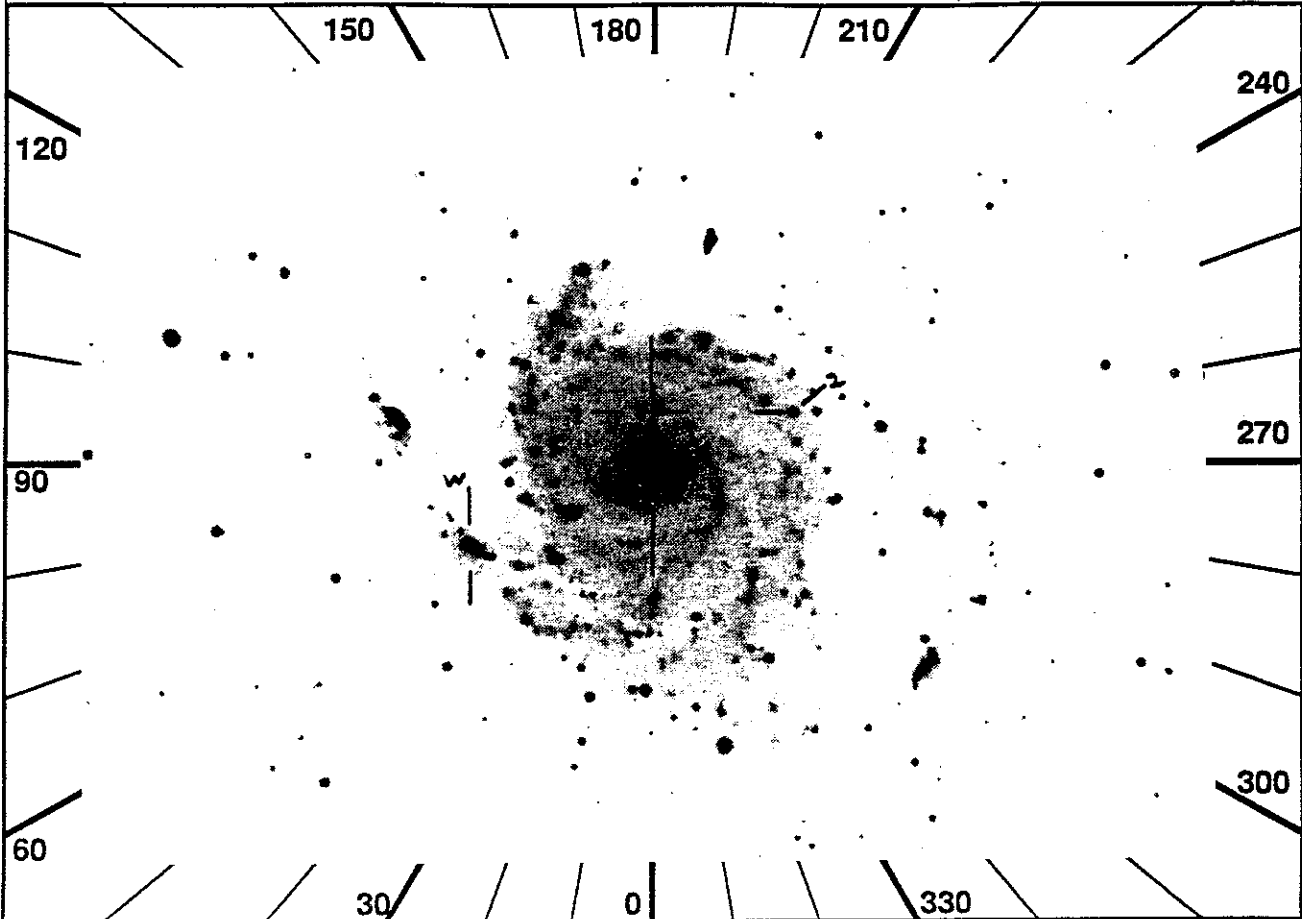
ID: 6232-10  
Names: M63 NGC5055  
Type: EmLn Gal  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum



UIT  
Observation Description

1 RA 210.3608 DEC 54.5883 ROLL 172.64  
 2 TIME 1689

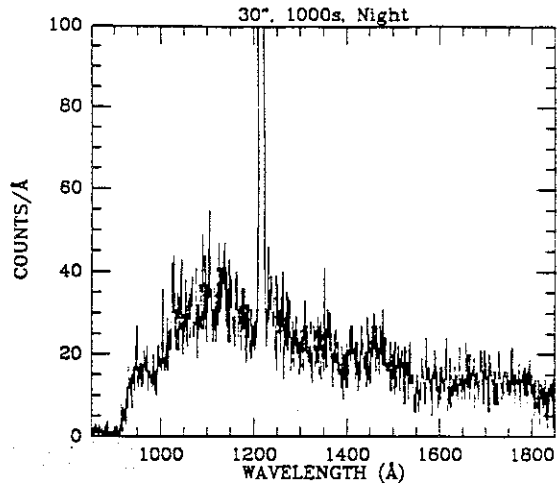
ID 6235-10  
 NAME M101A



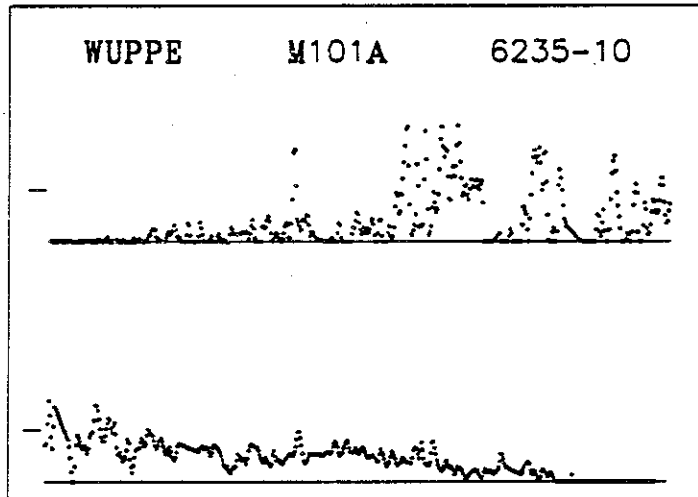
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H 174	gde sim	16 14	2.8	5	1	4	---	-	-	---	-	-	---	LCDATA	
4	W 234	ncn ngd	9 15	1.8		6	4	547	--	-	---	-	-	---	HIILOC	DFLD
5	P U 203	DT -	T F	31 a1	31 b1	31 b5			-	-	---					
6	H HOP	ITEM 90_5_1	(loc=obs ap)			21	W		WUP ITEM 11 DF							
7	JAC	ITEM 16_0				22	W		WUP wait CAM MODE ZOOM							
8		Config H W U				23			All BEGIN							
9		-----				24	W		*IF WUP Deconfig							
10	JAC	All SETUP				25	W		* WUP ITEM 11 F +1							
11	W	Chk Stat -LOC -CUR RDY				26	W		* Cur/ITEM 6 in fld, zm							
12		IMC BEGIN				27	W		* WUP ITEM 4 (Cur off)							
13		HUT ITEM 5				28	W		* WUP ITEM 7 (Begin)							
14	W	WUP tgt= offset HII rgn				29	W		* Config with WUP							
15	W	*IF WUP target visible				30			JOB Observe							
16	W	* WUP PFK cur to target				31	JAC		All PREVIEW							
17	W	* WUP ITEM 6 (Cntr)				32			All QUIT							
18	W	* WUP ITEM 4 (Cur off)				33			-----							
19	W	*ELSE				34	JAC		ITEM 16_1							
20	W	* Config without WUP				35	H HOP		ITEM 90_5_0 (restore)							

HII region 5" off nucleus  
 3

OBJECT: 6235 M101A (NGC5457)  
KEYWORDS: Spiral galaxy HII region  
COMMENTS:  
Pointing at nearest HII region to nucleus  
Centering on nucleus is okay if you  
can see it.  
Simulation assumes 16.5 Mag B2 star  
Matches IUE spectrum of a different  
M101 HII region.



ID: 6235-10  
Names: M101A NGC5457  
Type: Spiral galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering?  
Comments: offsetting to an  
HII region. Also doing an  
offset background.

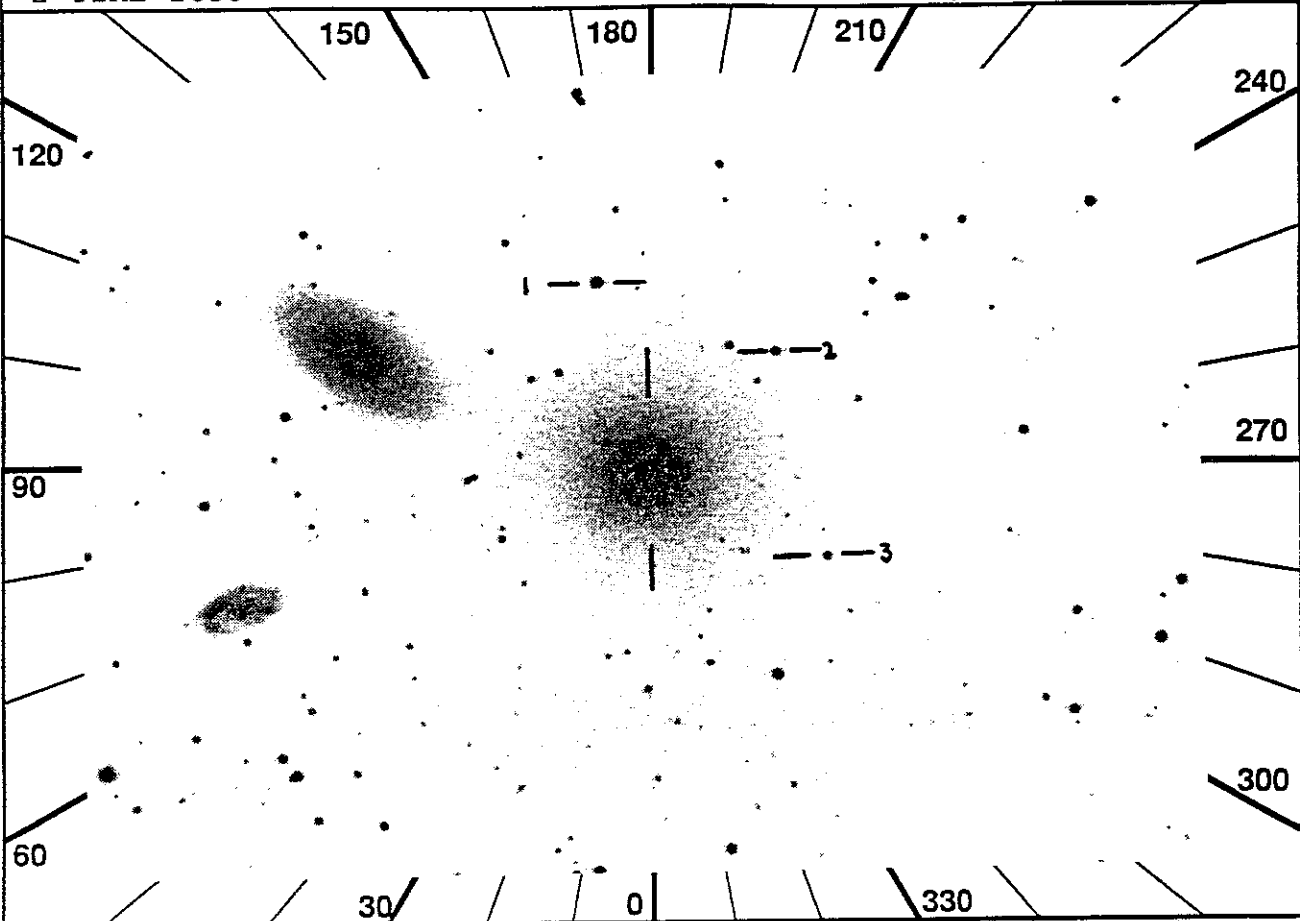


UIT  
Observation Description



1 RA 161.2971 DEC 12.8467 ROLL 140.40  
 2 TIME 1638

ID 6306-10  
 NAME NGC3379



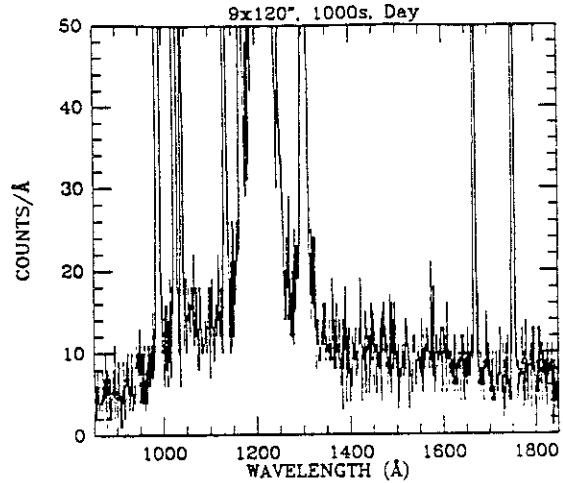
SEQ	LOC	OBS	MAG	LGR	D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	H 157	src sim	15 15	<del>3.7</del> <sup>3.8</sup>	5	2 1 ---	- - - -	- - - -	SAA 3M	
4	W 235	ncn ngd	15 15	1.0		7 4 120	7 4 ---	- - - -	NUCLOC BKG1	
5	S U 248	DT -		T F	62 a2	62 a5	62 b5	18 b1	18 a1	

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 is gal nucleus	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		

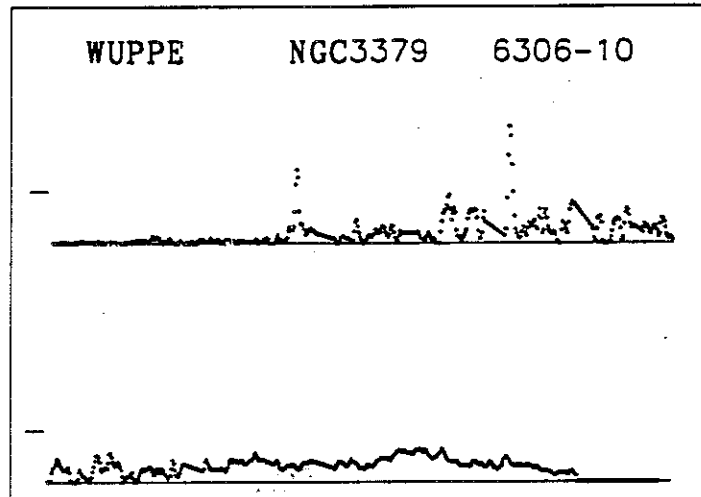
*nuclear*

OBJECT: 6306 NGC3379 (M105)  
KEYWORDS: elliptical galaxy  
COMMENTS:  
Pointing at nucleus

Simulation assumes B3V star spectrum  
(Matches slope of IUE continuum)  
Scaled for expected flux through  
9x120" aperture



ID: 6306-10  
Names: NGC3379 M105  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum



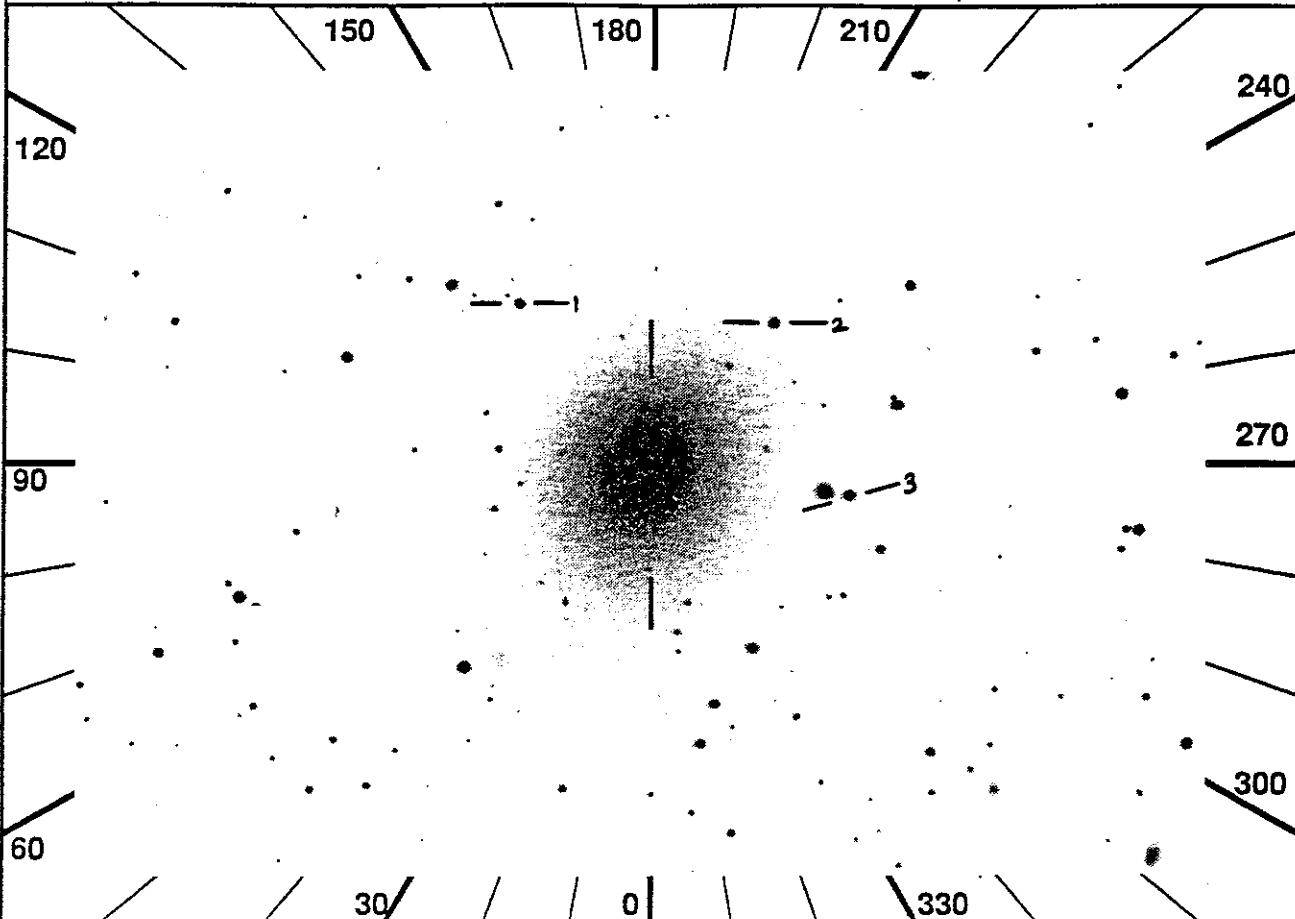
UIT  
Observation Description

1 RA 186.8079 DEC 8.2756 ROLL 227.36

ID 6308-10

2 TIME 2007

NAME M49



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	69	src sim	16	15	3.9	5	6	1	---	---	---	---	---		
4	W	236	ncn ngd	15	15	1.5		7	4	---	---	---	---	---	NUCLOC	DFLD
5	P	U	244	DT	-	T	F	62	b5	187	a1	-	-	-		
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								

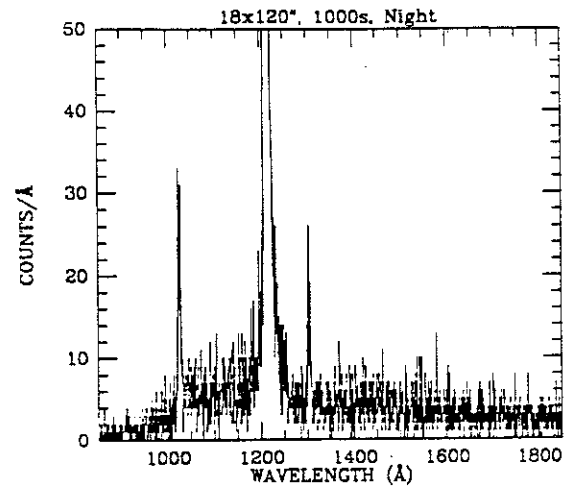
nucleus  
|

(probably being planned over)

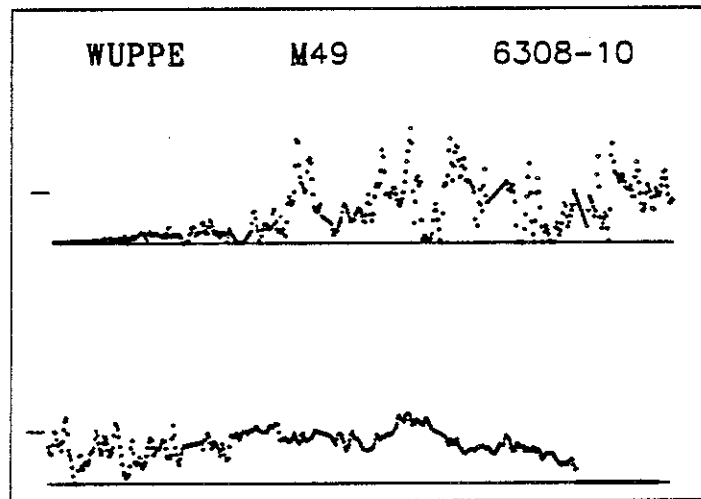
OBJECT: 6308 M49 (NGC4472)  
KEYWORDS: Elliptical galaxy  
COMMENTS:  
Pointing at nucleus

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

Look for emission lines



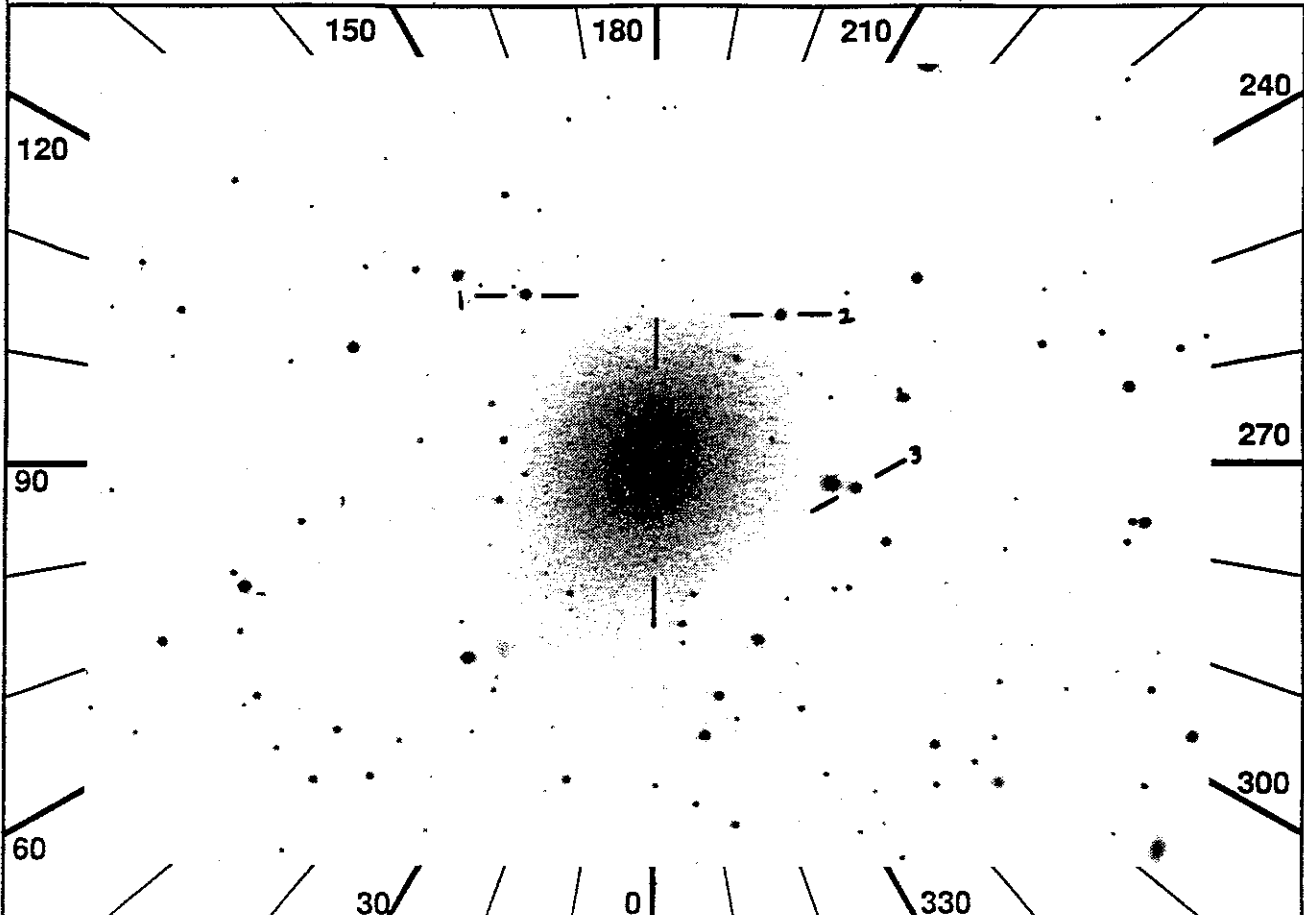
ID: 6308-10  
Names: M49 NGC4472  
Type: Ell Gal  
% Pol: 1.33  
Pol Var:  
Pos Ang: 150.0  
Mechanism:  
Comments:  
Co-pointing with BBXRT.



UIT  
Observation Description

1 RA 186.8079 DEC 8.2756 ROLL 90.00  
 2 TIME 2406

ID 6308-20  
 NAME M49



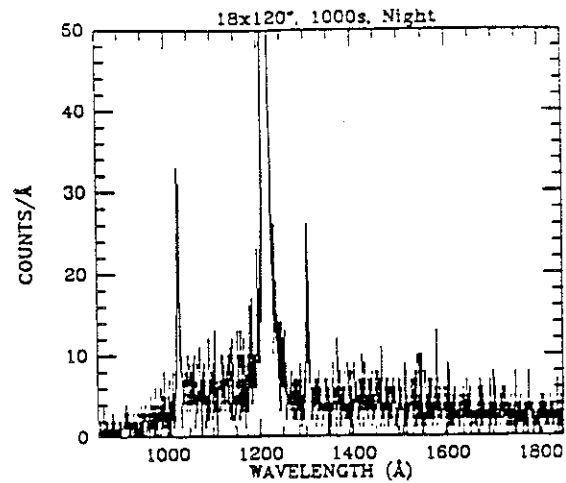
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	330	src sim	16	15	3.9	5	6	1	---	---	---	---	---		
4	W	236	ncn ngd	15	15	1.5		7	4	---	---	---	---	---	NUCLOC	
5	P	U	245	DT	-	T	F	62	b5	187	b1	-	-	-	LTSTRT	
6	JAC	ITEM 16 0					21	All BEGIN								
7		Config H W U					22	W	*IF WUP Deconfig							
8		-----					23	W	* WUP ITEM 11 F +1							
9	JAC	All SETUP					24	W	* Cur/ITEM 6 In fld, zm							
10	W	Chk Stat -LOC -CUR RDY					25	W	* WUP ITEM 4 (Cur off)							
11		IMC BEGIN					26	W	* WUP ITEM 7 (Begin)							
12		HUT ITEM 5					27	W	* Config with WUP							
13	W	WUP tgt is gal nucleus					28	U	JOB	Wait for TIME AVAIL 2184						
14	W	*IF WUP target visible					29	U	UIT BEGIN							
15	W	* WUP PFK cur to target					30	U	JAC	Config with UIT						
16	W	* WUP ITEM 6 (Cntr)					31	JOB	Observe							
17	W	* WUP ITEM 4 (Cur off)					32	JAC	All PREVIEW							
18	W	*ELSE					33		All QUIT							
19	W	* Config without WUP					34		-----							
20	U	Config without UIT					35	JAC	ITEM 16_1							

*nucleus*  
 |

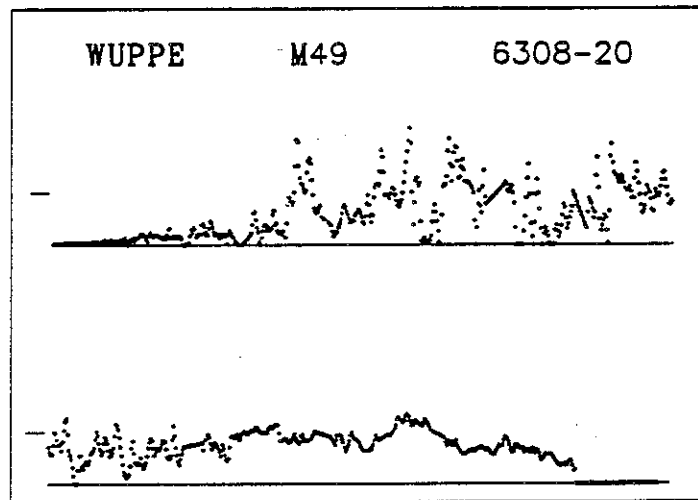
OBJECT: 6308 M49 (NGC4472)  
KEYWORDS: Elliptical galaxy  
COMMENTS:  
Pointing at nucleus

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

Look for emission lines



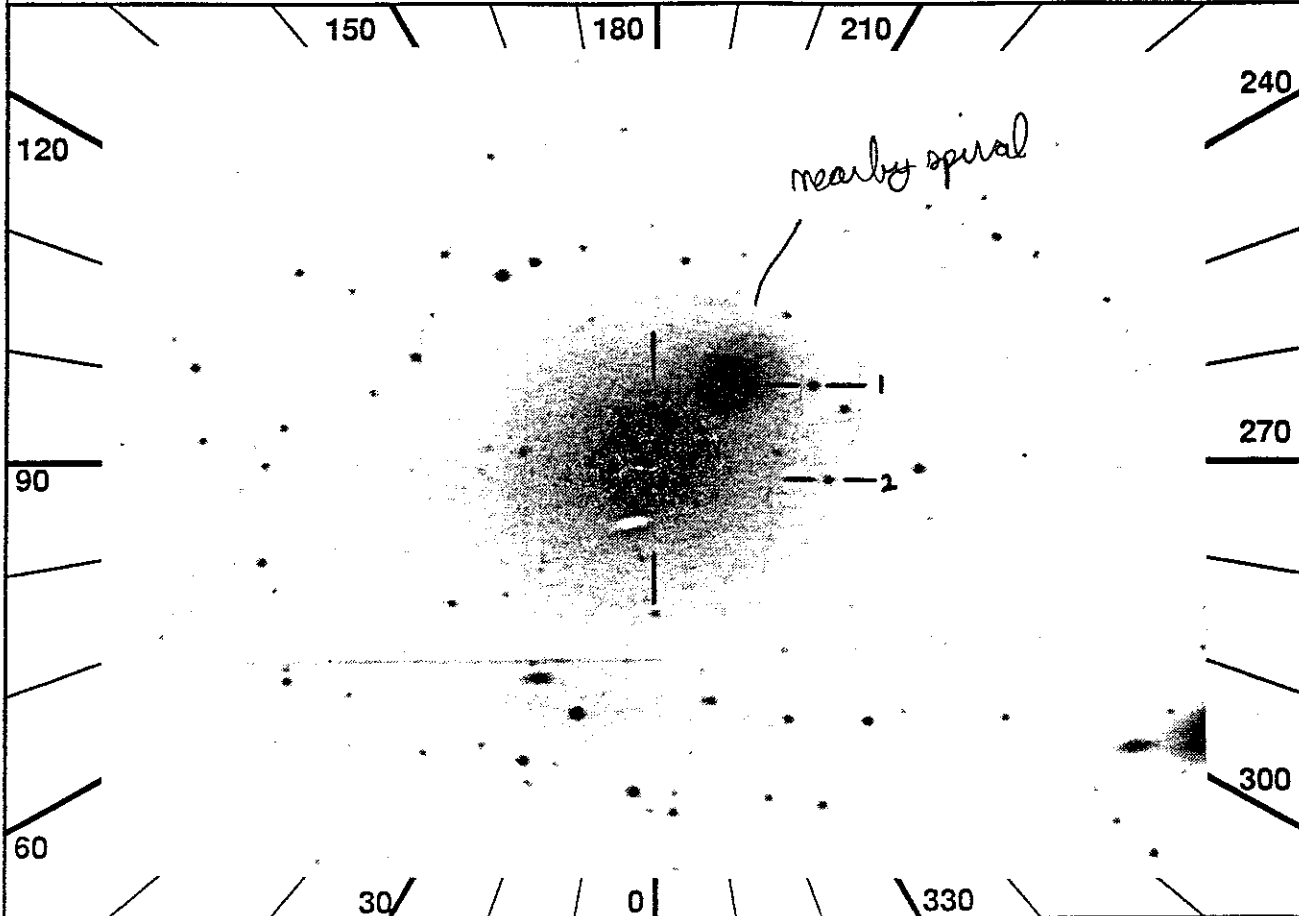
ID: 6308-20  
Names: M49 NGC4472  
Type: Ell Gal  
% Pol: 1.33  
Pol Var:  
Pos Ang: 150.0  
Mechanism: none expected  
Comments: nucleus spectrum  
Co-pointing with BBXRT.



UIT  
Observation Description

1 RA 190.2875 DEC 11.8231 ROLL 189.99  
 2 TIME 2474

ID 6310-11  
 NAME M60



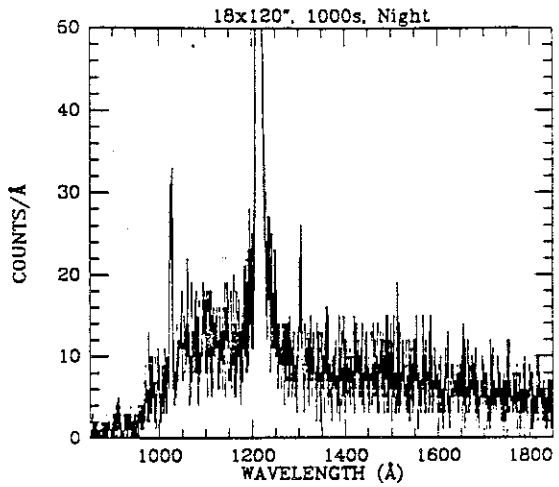
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	176	src sim	16	16	3.9	5	6	1	---	---	---	---	---		
4	W	237	ncn nqd	15	14	1.6		7	4	---	---	---	---	---	NUCLOC	DFLD
5	U	228	DT -	T F	31	b5	93	a2	-	-	-	-	-	-	LTSTRT	
6	JAC	ITEM	16	0					22	U	Config	without	UIT			
7		Config	H	W	U				23		All	BEGIN				
8		-----							24	W	*IF	WUP	Deconfig			
9	JAC	All	SETUP						25	W	* WUP	ITEM	11	F	+1	
10	W	Chk	Stat	-LOC	-CUR	RDY			26	W	* Cur/ITEM	6	In	fld,	zm	
11		IMC	BEGIN						27	W	* WUP	ITEM	4	(Cur	off)	
12		HUT	ITEM	5					28	W	* WUP	ITEM	7	(Begin)		
13	W	WUP	tgt	is	gal	nucleus			29	W	* Config	with	WUP			
14	W	*IF	WUP	target	visible				30	U	JOB	Wait	for	TIME	AVAIL	2184
15	W	* WUP	PFK	cur	to	target			31	U	UIT	BEGIN				
16	W	* WUP	ITEM	6	(Cntr)				32	U	JAC	Config	with	UIT		
17	W	* WUP	ITEM	4	(Cur	off)			33		JOB	Observe				
18	W	*ELSE							34	JAC	All	PREVIEW				
19	W	* Config	without	WUP					35		All	QUIT				
20	W	WUP	ITEM	11	DF				36		-----					
21	W	WUP	wait	CAM	MODE	ZOOM			37	JAC	ITEM	16	_1			

nucleus  
 1  
 top elliptical

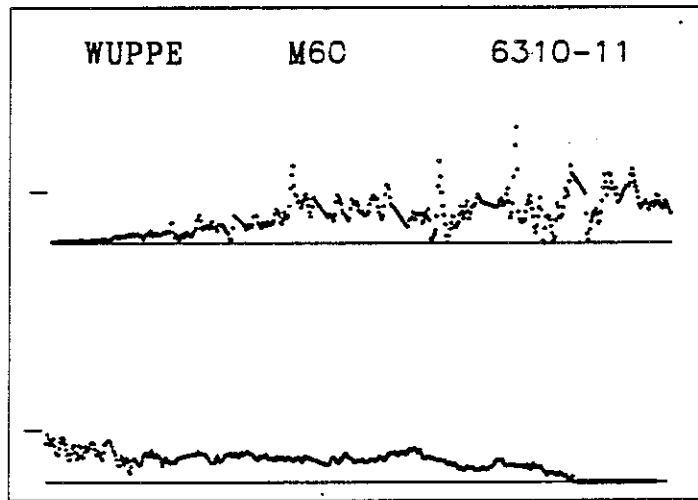
OBJECT: 6310 M60 (NGC4649)  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus

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

Look for emission lines



ID: 6310-11  
Names: M60 NGC4649  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism:  
Comments: nucleus  
Co-pointing with BBXRT.

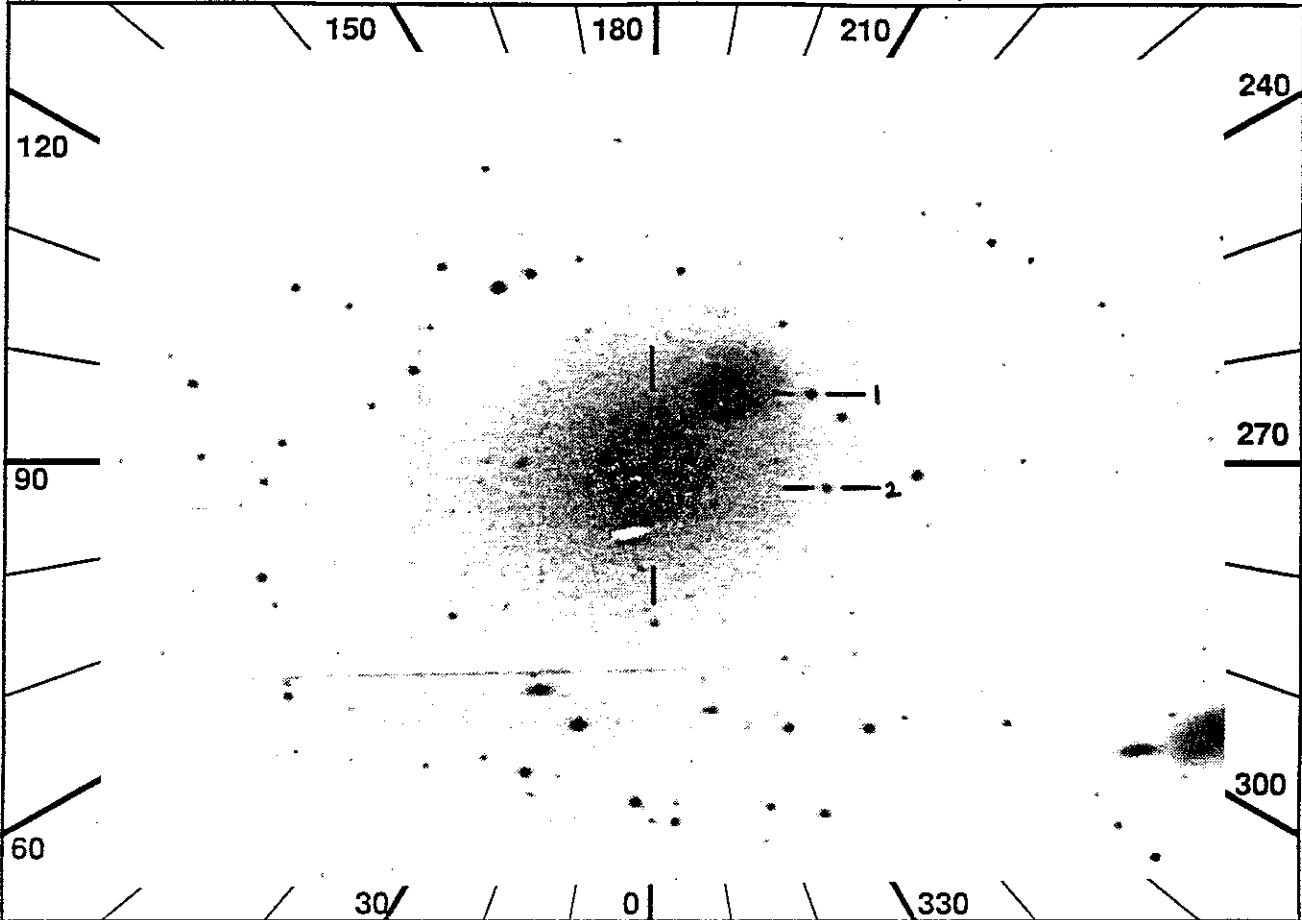


UIT  
Observation Description



1 RA 190.2875 DEC 11.8231 ROLL 189.99  
2 TIME 2026

ID 6310-12  
NAME M60



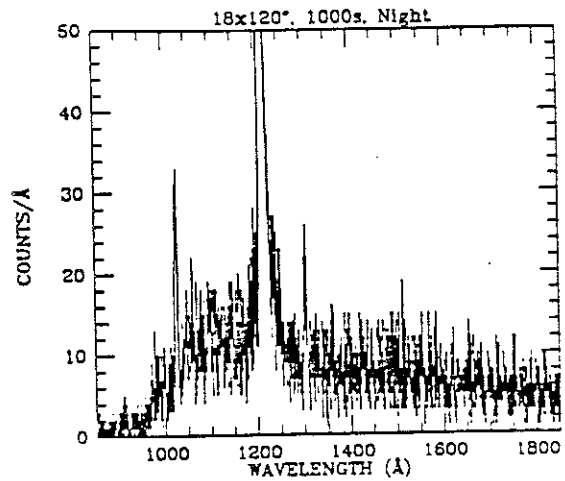
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P	H	178	src	sim	16	16	3.9	5	6	1	---	---	---	---	W DARK
4		W	237	ncn	ngd	15	14	1.6		7	4	---	---	---	---	NUCLOC
5		U	229	DT	-	T	F	31	b5	186	a5	-	-	-	-	
6		JAC		ITEM	16	0				21	W					*ELSE
7				Config	H	W	U			22	W					* Config without WUP
8				-----						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	is	gal	nucleus		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)									

nucleus  
1

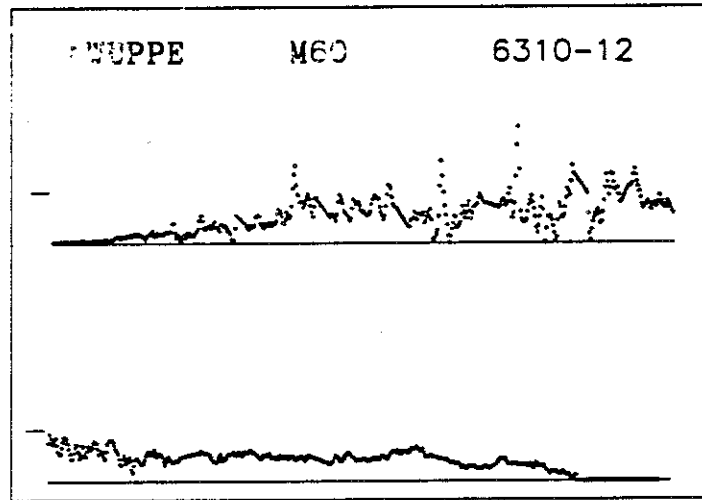
OBJECT: 6310 M60 (NGC4649)  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus

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

Look for emission lines

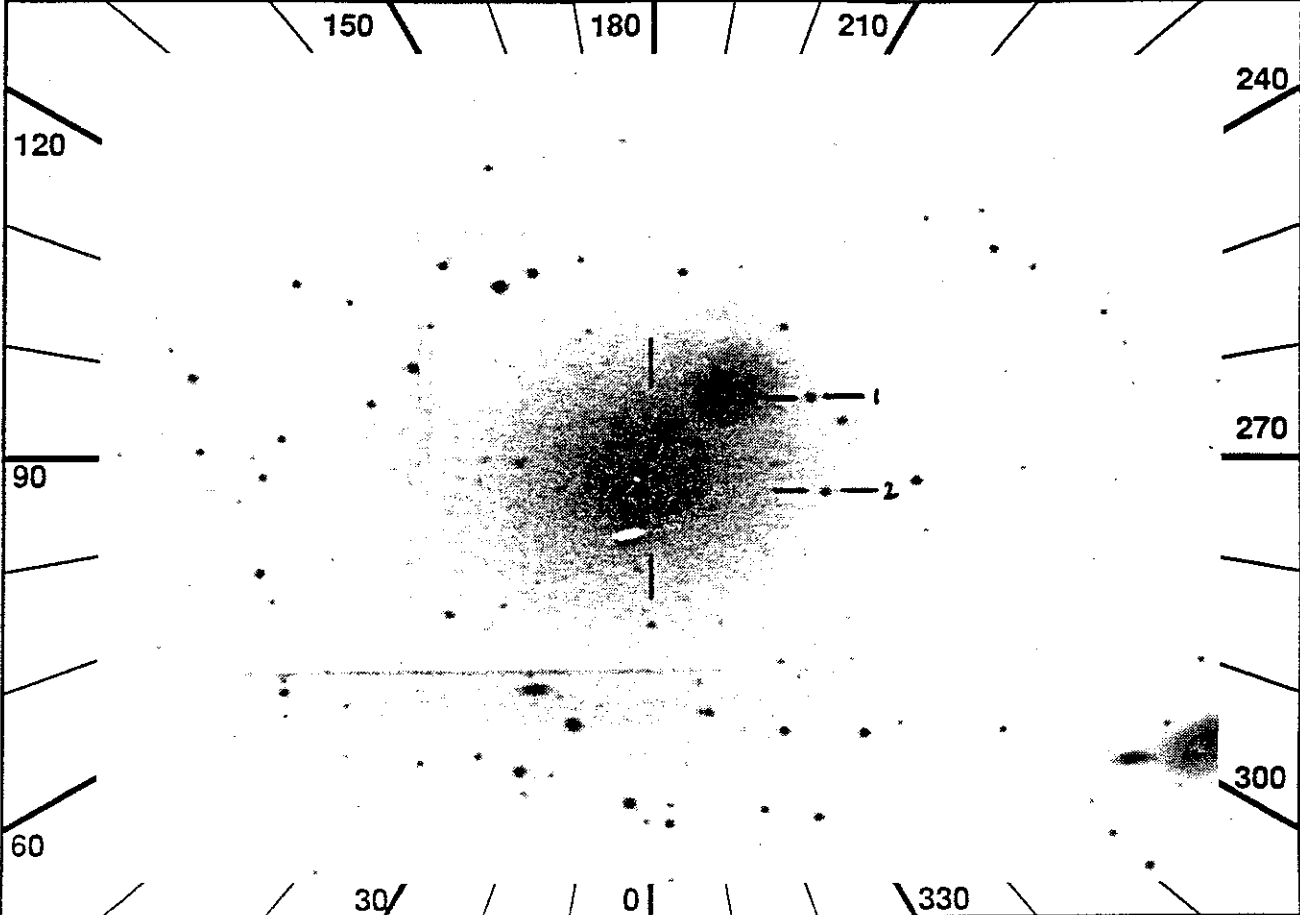


ID: 6310-12  
Names: M60 NGC4649  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism:  
Comments: nucleus  
Co-pointing with BBXRT.



UIT  
Observation Description

1 RA 190.2875 DEC 11.8231 ROLL 189.99 ID 6310-21  
 2 TIME 1635 NAME M60



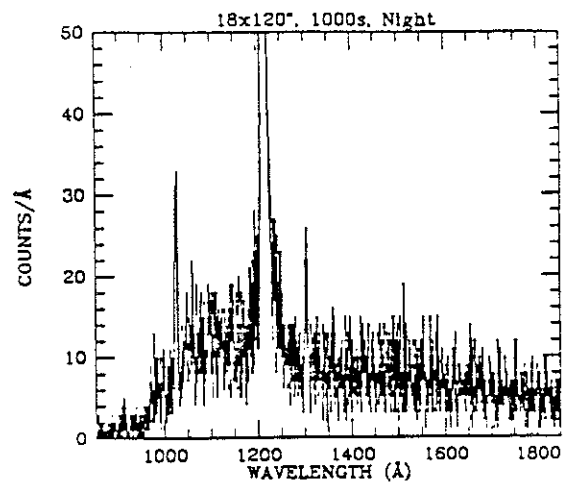
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	P H	90	src sim	16	16	3.2	5	6	1	---	---	---	---	---	W_DARK	
4	W	237	ncn ngd	15	14	1.6		7	4	---	---	---	---	---	NUCLOC	
5	U	201	DT -			T F	156	a1								
6	JAC		ITEM 16 0						19	W		*				
7			Config H W U						20			All				
8			-----						21	W		*IF				
9	JAC		All SETUP						22	W		*				
10	W		Chk Stat -LOC -CUR RDY						23	W		*				
11			IMC BEGIN						24	W		*				
12			HUT ITEM 5						25	W		*				
13	W		WUP tgt is gal nucleus						26	W		*				
14	W		*IF WUP target visible						27	JOB		Observe				
15	W		* WUP PFK cur to target						28	JAC		All				
16	W		* WUP ITEM 6 (Cntr)						29			All				
17	W		* WUP ITEM 4 (Cur off)						30			All				
18	W		*ELSE						31	JAC		ITEM				

nucleus  
|

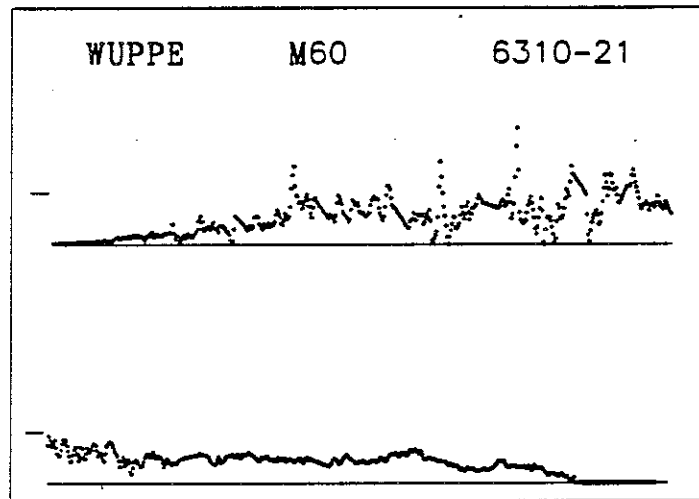
OBJECT: 6310 M60 (NGC4649)  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus

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

Look for emission lines



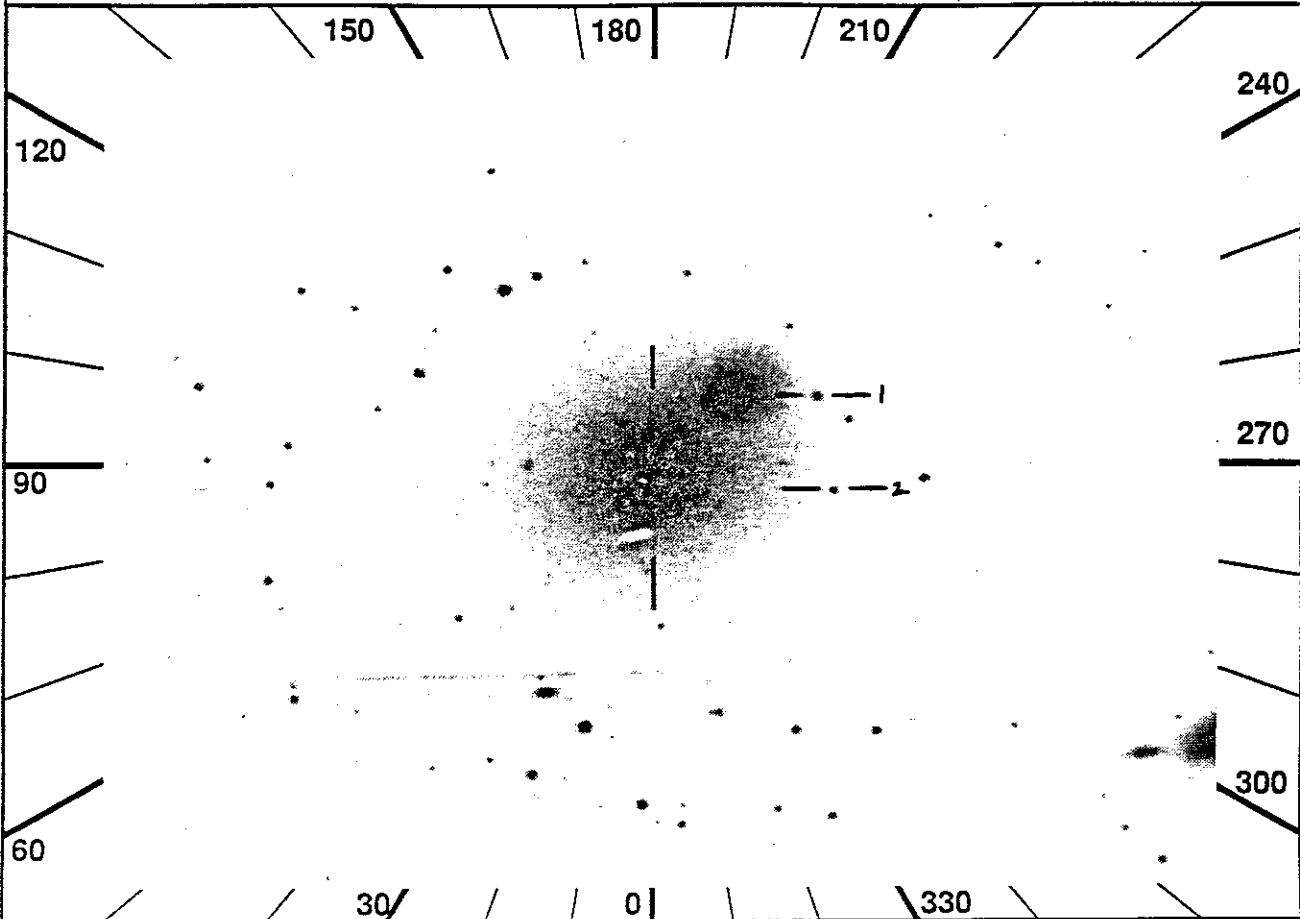
ID: 6310-21  
Names: M60 NGC4649  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism:  
Comments: nucleus



UIT  
Observation Description

1 RA 190.2875 DEC 11.8231 ROLL 189.99  
 2 TIME 1707

ID 6310-22  
 NAME M60



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	P H	104	src sim	16	16	3.2	5	6	1	---	---	---	---	---	---	---	W DARK
4	W	237	ncn ngd	15	14	1.6		7	4	---	---	---	---	---	---	---	NUCLOC
5	U	202	DT -														
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 is gal nucleus					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)														

nucleus  
 |

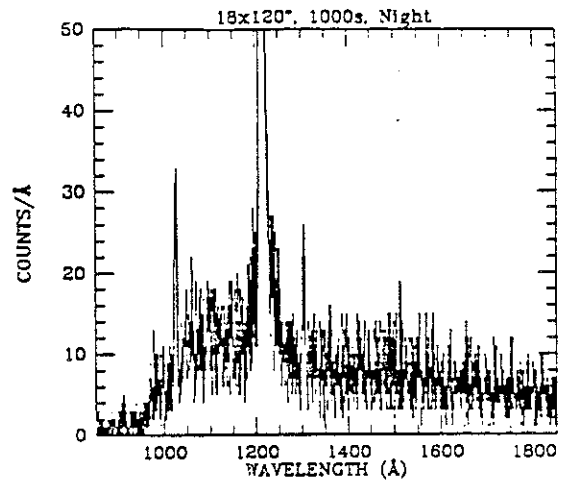
---

OBJECT: 6310 M60 (NGC4649)  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus

Simulation assumes 83V star spectrum  
(Matches slope of IUE continuum)  
Scaled for expected HUT flux

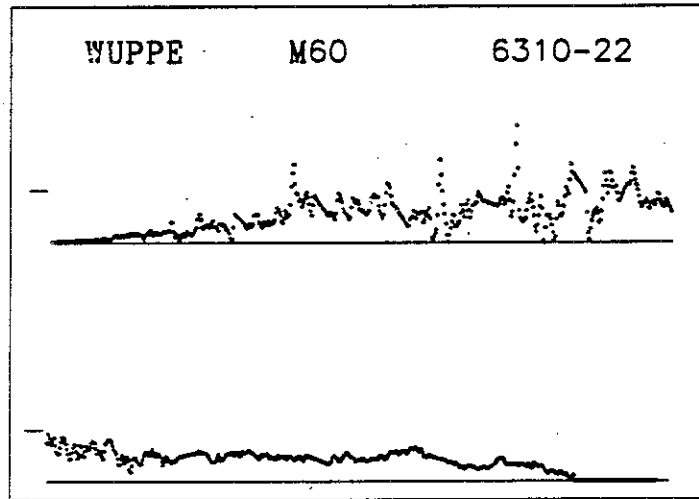
Look for emission lines

---



---

ID: 6310-22  
Names: M60 NGC4649  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism:  
Comments: nucleus



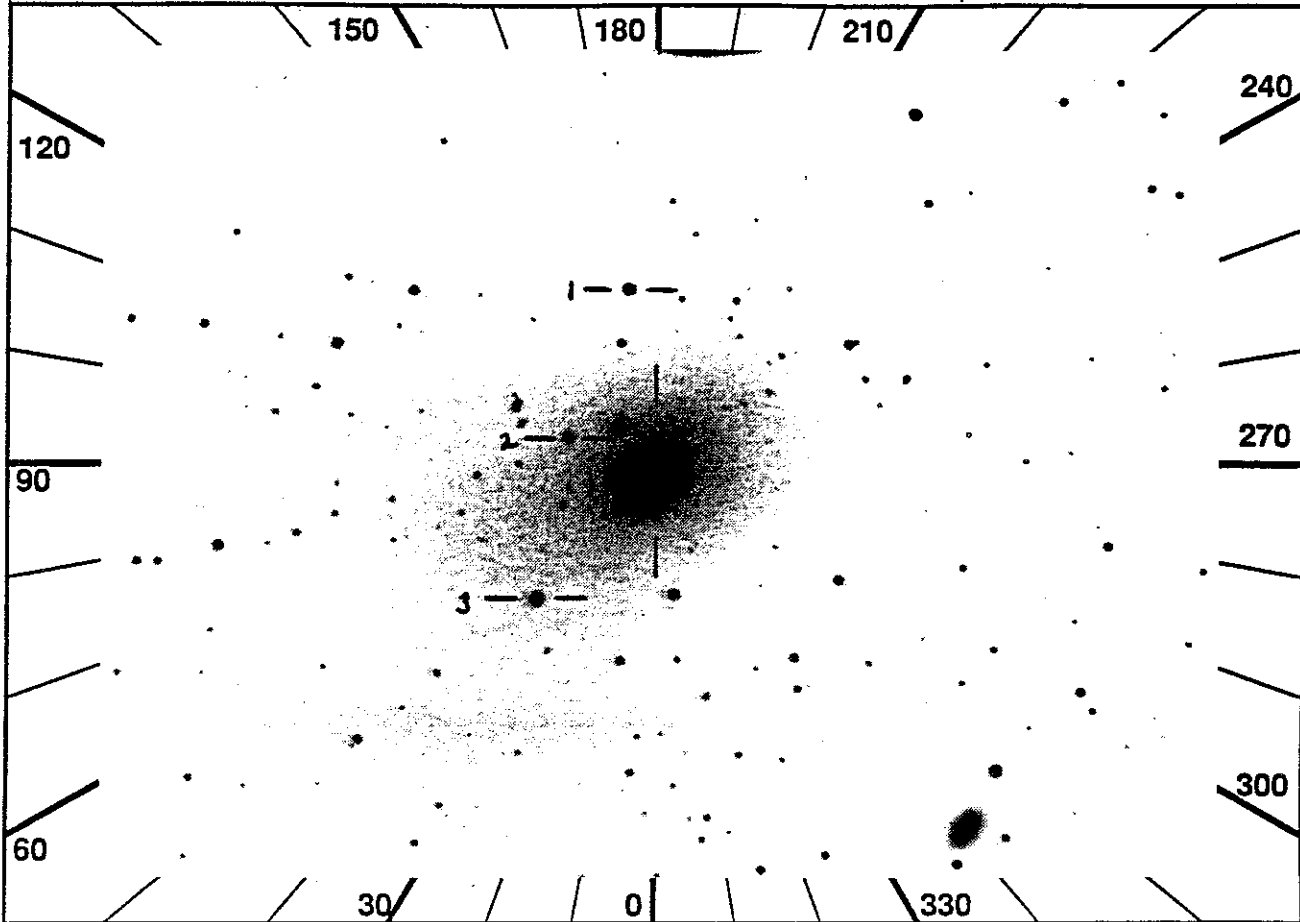
UIT  
Observation Description

1 RA 185.9154 DEC 13.2236 ROLL 55.00

ID 6332-10

2 TIME 2265

NAME NGC4406

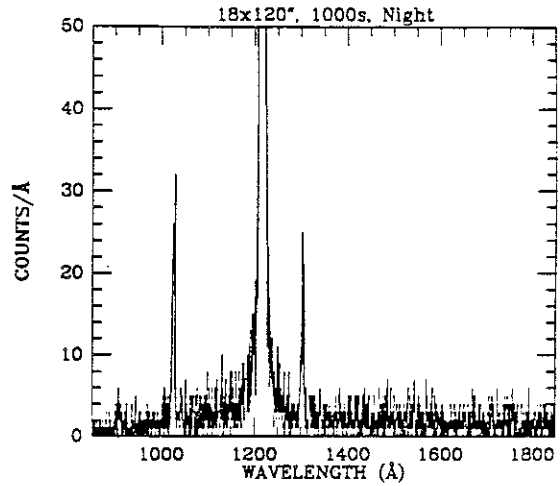


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	236	src sim	16	15	3.9	5	6	1	---	---	---	---	---			
4	W	238	ncn ngd	15	15	1.3		7	4	---	---	---	---	---	NUCLOC	DFLD	
5	P	U	204	DT	-	T	F	24	b5	31	b1	31	a1	-	-	LTSTRT	AST4SC
6	I		CMD	WRI	3900			24	W			WUP	wait	CAM	MODE	ZOOM	
7	I		F007F0010FA0		(4s upd)			25	U			Config	without	UIT			
8	I	IMC	CHK	AST	WAC	incr	once/4s	26				All	BEGIN				
9	JAC		ITEM	16	0			27	W			*IF	WUP	Deconfig			
10			Config	H	W	U		28	W			*	WUP	ITEM	11	F +1	
11			-----					29	W			*	Cur	ITEM	6	In fld, zm	
12	JAC		All	SETUP				30	W			*	WUP	ITEM	4	(Cur off)	
13	W		Chk	Stat	-LOC	-CUR	RDY	31	W			*	WUP	ITEM	7	(Begin)	
14			IMC	BEGIN				32	W			*	Config	with	WUP		
15			HUT	ITEM	5			33	U	JOB		Wait	for	TIME	AVAIL	2184	
16	W		WUP	tgt	is	gal	nucleus	34	U			UIT	BEGIN				
17	W		*IF	WUP	target	visible		35	U	JAC		Config	with	UIT			
18	W		*	WUP	PFK	cur	to	target	36		JOB	Observe					
19	W		*	WUP	ITEM	6	(Cntr)		37	JAC		All	PREVIEW				
20	W		*	WUP	ITEM	4	(Cur off)		38			All	QUIT				
21	W		*ELSE					39				-----					
22	W		*	Config	without	WUP		40	JAC			ITEM	16	1			
23	W		WUP	ITEM	11	DF		41	I			CMD	ISS_3908		(1s upd)		

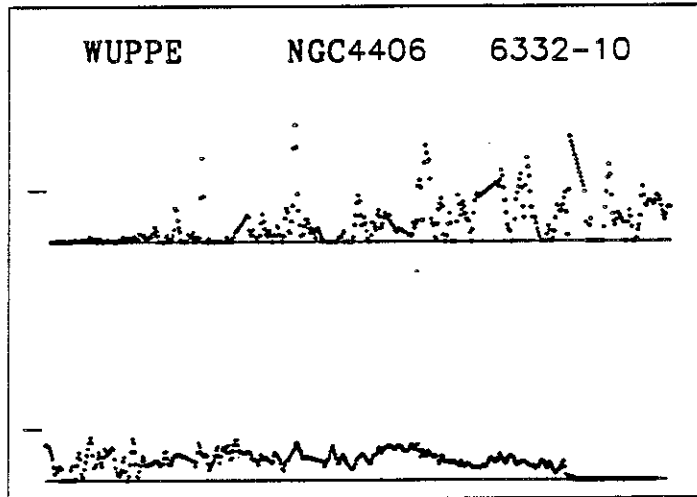
*elliptical nucleus*

OBJECT: 6332 NGC4406 (M86)  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus

Simulation assumes E3V star spectrum  
(Matches slope of IUE continuum)  
Scaled for expected flux through  
18x120" aperture



ID: 6332-10  
Names: NGC4406 M86  
Type: Elliptical galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum  
Co-pointing with BBXRT.



UIT  
Observation Description

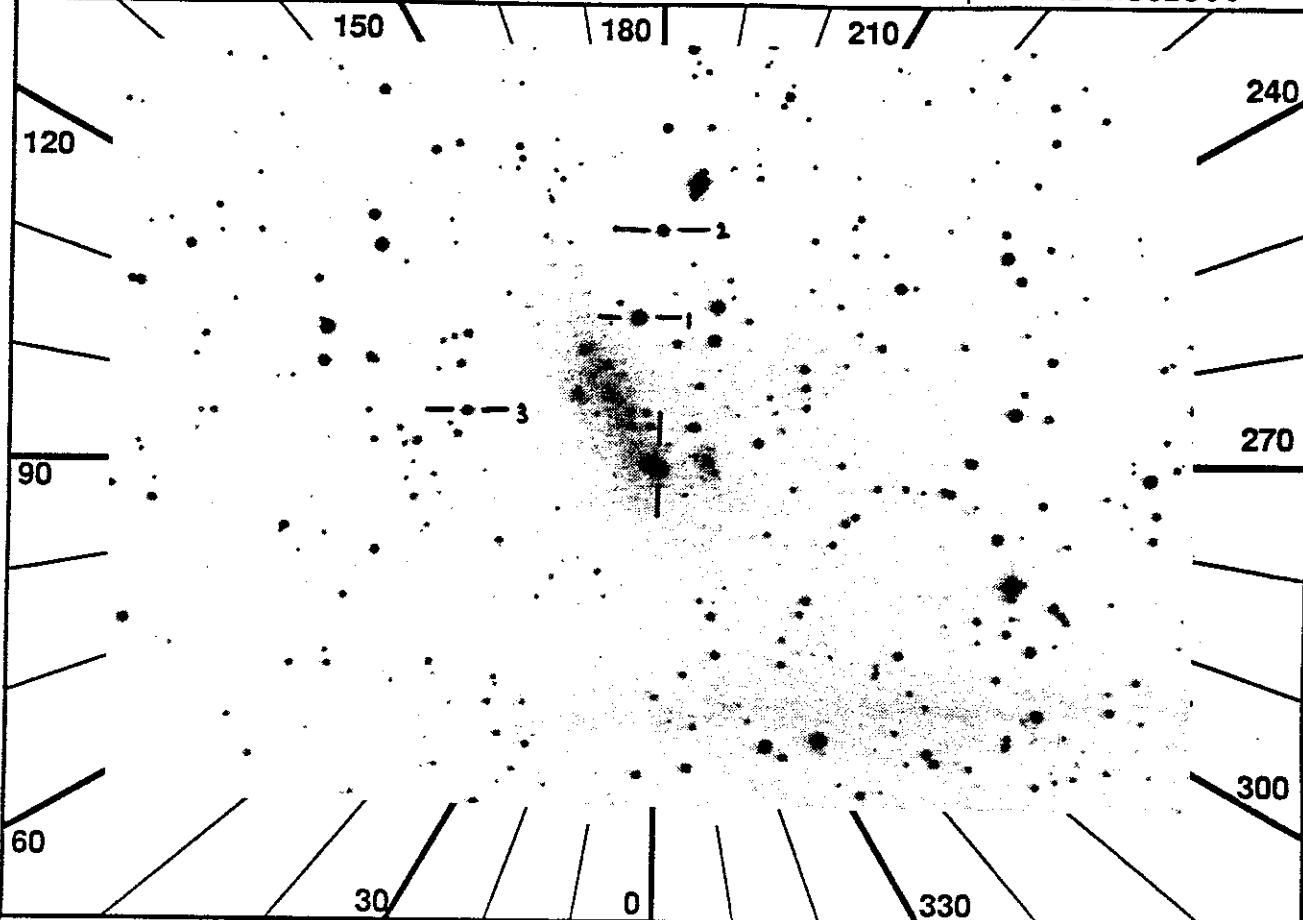


1 RA 110.8553 DEC 69.2915 ROLL 60.00

ID 6402-10

2 TIME 820

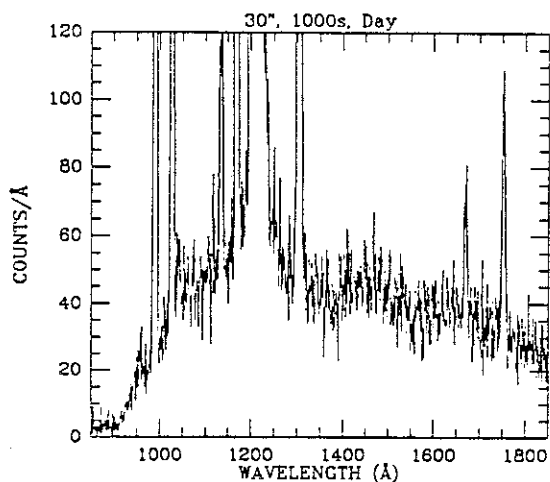
NAME NGC2366



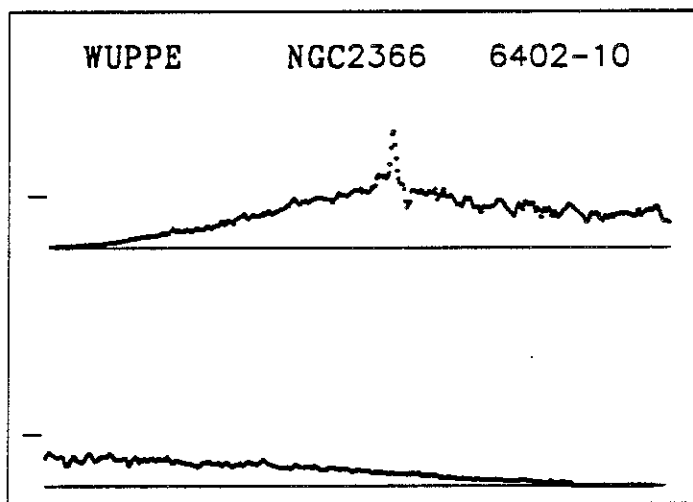
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	111	gde	sim	15	14	3.7	5	1	4	---	-	-	---	MANUAL		
4	W	239	ncn	ngd	10	9	2.3		6	4	522	--	-	---	HILOC	DFLD	
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	-	-	-	
6	JAC	ITEM 16 0										22	W	* Config without WUP			
7		Config H W U										23	W	WUP ITEM 11 DF			
8		-----										24	W	WUP wait CAM MODE ZOOM			
9	JAC	All SETUP										25		All BEGIN			
10	H	*IF HUT src visible										26	W	*IF WUP Deconfig			
11	H	* HUT ITEM 4										27	W	* WUP ITEM 11 F +1			
12	H	* HUT PFK cur to src										28	W	* Cur/ITEM 6 in fld, zm			
13	W	Chk Stat -LOC -CUR RDY										29	W	* WUP ITEM 4 (Cur off)			
14		IMC BEGIN										30	W	* WUP ITEM 7 (Begin)			
15		HUT ITEM 5										31	W	* Config with WUP			
16	W	WUP tgt= offset HII rgn										32		JOB Observe			
17	W	*IF WUP target visible										33	JAC	All PREVIEW			
18	W	* WUP PFK cur to target										34		All QUIT			
19	W	* WUP ITEM 6 (Cntr)										35		-----			
20	W	* WUP ITEM 4 (Cur off)										36	JAC	ITEM 16_1			
21	W	*ELSE															

HII region  
2

OBJECT: 6402 NGC2366  
KEYWORDS: Irregular Galaxy HII region  
COMMENTS: ' SBmIV-V galaxy  
Pointing at the brightest HII region  
Might just be visible in TV  
  
Simulation is a very crude guess



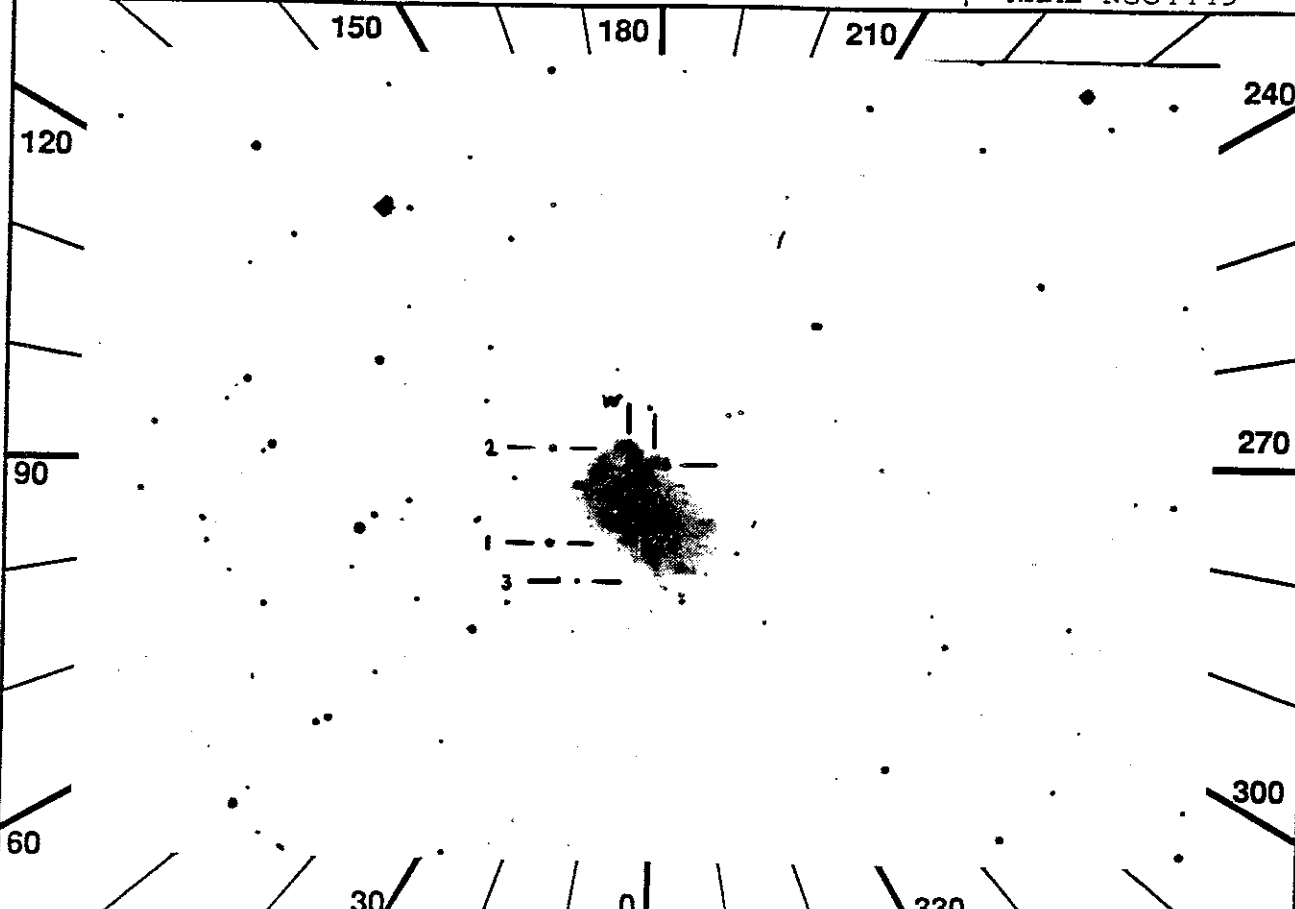
ID: 6402-10  
Names: NGC2366  
Type: HII Reg  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering  
Comments: Observing HUT HII region.



UIT  
Observation Description

1 RA 186.4369 DEC 44.3897 ROLL 211.76  
 2 TIME 1997

ID 6406-11  
 NAME NGC4449



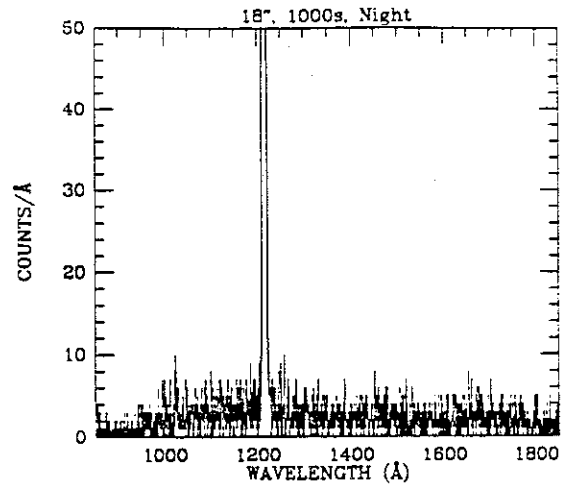
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	201	gde sim	16	16	3.2	5	7	4	---	---	---	---	---	W DARK	
4	W	240	ncn ngd	10	9	3.8		6	4	95	---	---	---	---	HIILOC	DFLD
5	P	U	204	DT	-	T	F	24	b5	31	b1	31	a1	---	---	AS2DFH
6	I		CMD	WRI	3900	F0022599		23	W							* Config without WUP
7	JAC		ITEM	16	0			24	W							WUP ITEM 11 DF
8			Config	H	W	U		25	W							WUP wait CAM MODE ZOOM
9			-----					26								All BEGIN
10	JAC		All	SETUP				27	W							*IF WUP Deconfig
11	H	-	Note:	faint	target--if			28	W							* WUP ITEM 11 F+1
12	H		necessary	wait	until			29	W							* Cur/ITEM 6 in fld, zm
13	H		night	to	acquire.			30	W							* WUP ITEM 4 (Cur off)
14	W	JAC	Chk	Stat	-LOC	-CUR	RDY	31	W							* WUP ITEM 7 (Begin)
15			IMC	BEGIN				32	W							* Config with WUP
16			HUT	ITEM	5			33								JOB Observe
17	W		WUP	tgt=	offset	HII	rgn	34	JAC							All PREVIEW
18	W		*IF	WUP	target	visible		35								All QUIT
19	W		* WUP	PFK	cur	to	target	36								-----
20	W		* WUP	ITEM	6	(Cntr)		37	JAC							ITEM 16 1
21	W		* WUP	ITEM	4	(Cur	off)	38	I							CMD ISS_3928
22	W		*ELSE													

*Orich SNR in HII region*  
 3

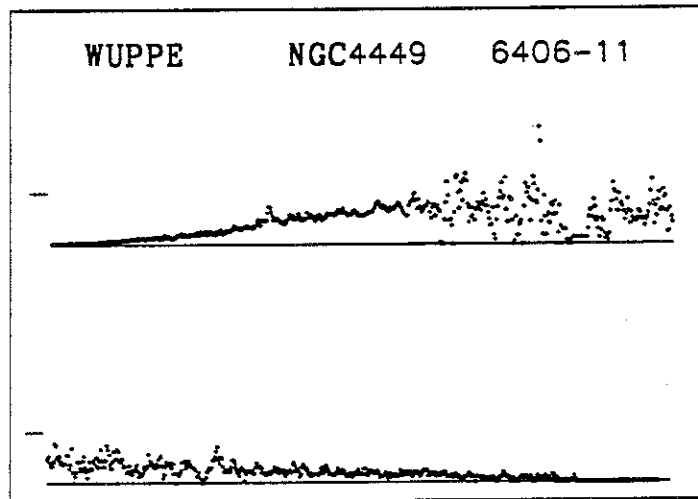
---

OBJECT: 6406 NGC4449  
KEYWORDS: Irregular galaxy SNR  
COMMENTS:  
Pointing at Oxygen-rich SNR within  
the brightest HII region  
Expect O star spectrum with a few  
emission lines

---



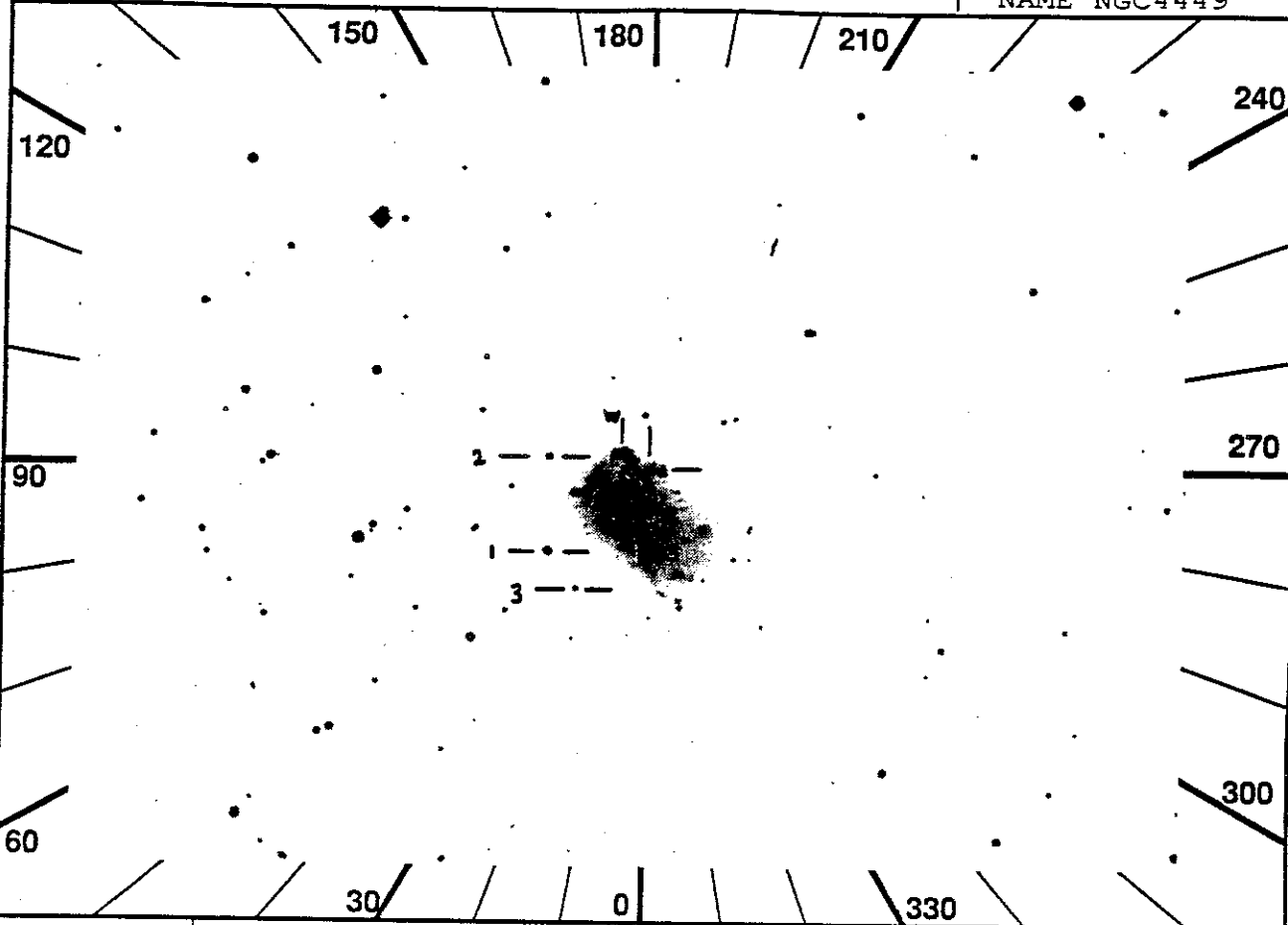
ID: 6406-11  
Names: NGC4449  
Type: Irregular galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering  
Comments: offset to HII  
region.



UIT  
Observation Description

1 RA 186.4369 DEC 44.3897 ROLL 211.76  
 2 TIME 1210

ID 6406-12  
 NAME NGC4449

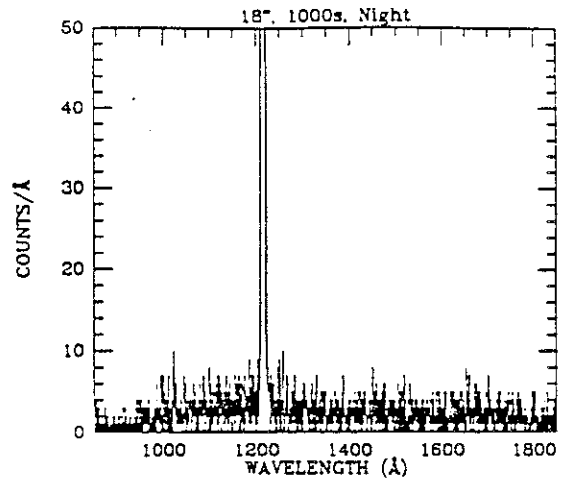


SEQ	LOC OBS	MAG	LGR D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	H 290	gde sim 16 16	2.3 5	7 4 ---	---	---		
4	W 240	ncn ngd 10 9	3.8	6 4 95	---	---	HIILOC	
5	P U 205	DT -	T F 6 a2	6 a5	6 a4	6 b3 - -		AS2DFH
6	I	CMD WRI 3900_F0022599		20	W	* Config without WUP		
7	JAC	ITEM 16_0		21		All BEGIN		
8		Config H W U		22	W	*IF WUP Deconfig		
9		-----		23	W	* WUP ITEM 11 F +1		
10	JAC	All SETUP		24	W	* Cur/ITEM 6 in fld, zm		
11	W	Chk Stat -LOC -CUR RDY		25	W	* WUP ITEM 4 (Cur off)		
12		IMC BEGIN		26	W	* WUP ITEM 7 (Begin)		
13		HUT ITEM 5		27	W	* Config with WUP		
14	W	WUP tgt= offset HII rgn		28		JOB Observe		
15	W	*IF WUP target visible		29	JAC	All PREVIEW		
16	W	* WUP PFK cur to target		30		All QUIT		
17	W	* WUP ITEM 6 (Cntr)		31		-----		
18	W	* WUP ITEM 4 (Cur off)		32	JAC	ITEM 16 1		
19	W	*ELSE		33	I	CMD ISS_3928		

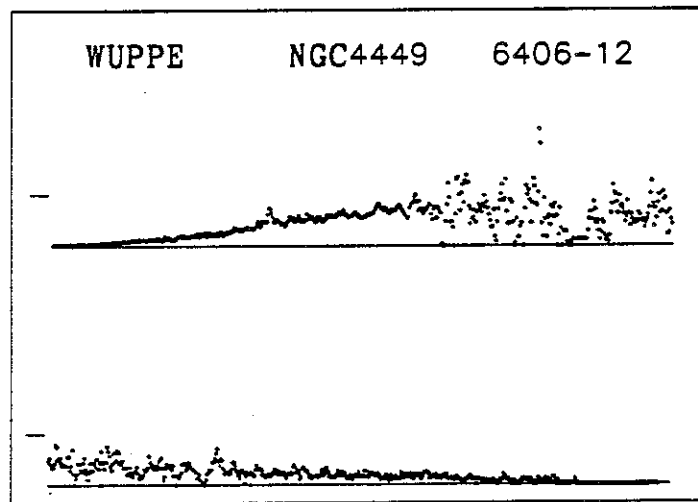
*O-rich SNR in HII region*

*3*

OBJECT: 6406 NGC4449  
KEYWORDS: Irregular galaxy SNR  
COMMENTS:  
Pointing at Oxygen-rich SNR within  
the brightest HII region  
Expect O star spectrum with a few  
emission lines



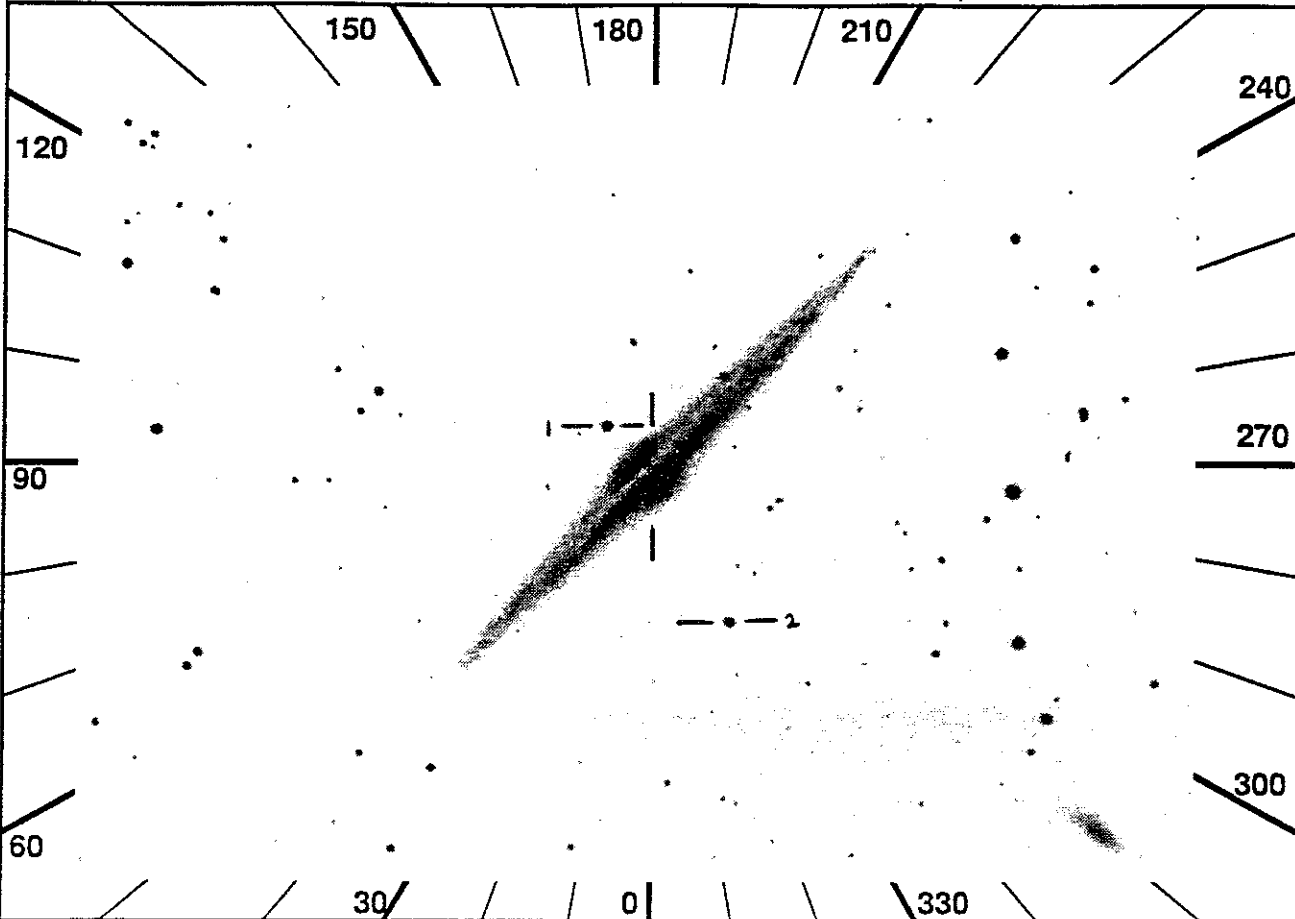
ID: 6406-12  
Names: NGC4449  
Type: Irregular galaxy  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering  
Comments: offset to HII  
region.



UIT  
Observation Description

1 RA 188.4658 DEC 26.2639 ROLL 312.00  
 2 TIME 1854

ID 6607-10  
 NAME NGC4565

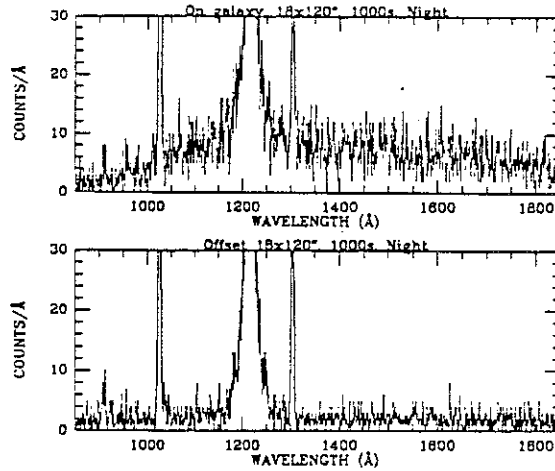


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2			
3	H	135	gde off	15	14	3.2	6	7	4	0	6	7	4	60	6	7	4	90	MANUAL W DARK
4	W	241	nlc ngd	15	15	1.8	7	4	---	---	---	---	---	---	NOLOC	DFLD			
5	P	U	225	DT	-	T	F	7	b5	31	b1	31	a1	-	-	-	-	-	AST4SC
6	I		CMD WRI 3900							19	W				Chk Stat	-LOC -PAU RDY			
7	I		F007F0010FA0 (4s upd)							20					IMC BEGIN				
8	I	IMC	CHK AST WAC incr once/4s							21					HUT ITEM 5				
9	JAC		ITEM 16 0							22	W				WUP ITEM 11 DF				
10			Config H W U							23	W				WUP wait CAM MODE ZOOM				
11			-----							24					All BEGIN				
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	H	JAC	*IF HUT src visible							29		JAC			ITEM 16 1				
17	H		* HUT ITEM 4							30	I				CMD ISS_3908 (1s upd)				
18	H		* HUT PFK cur to src																

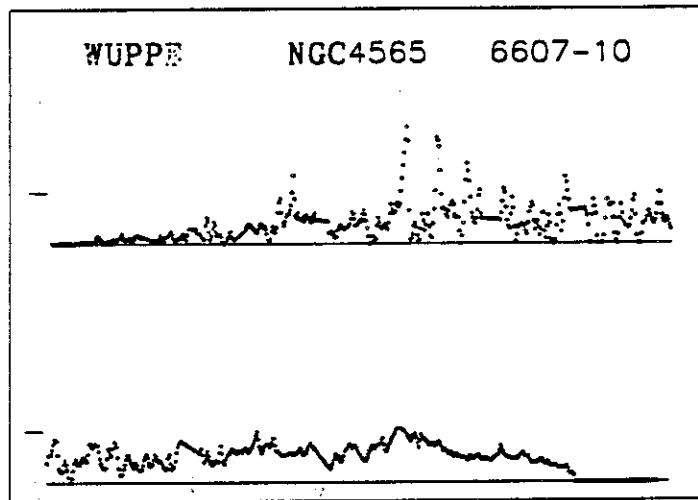
offset from dish to ~~85~~ 60" (change from 85")  
 if see guide, start  
 2

OBJECT: 6607 NGC4565  
KEYWORDS: Edge on spiral galaxy  
COMMENTS:  
Looking for halo emission lines  
(CIV, OVI in particular)  
Slit is aligned with the disk

Observation starts on the disk  
and moves 60" above it



ID: 6607-10  
Names: NGC4565  
Type: Edge on  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum  
IUE data used for simulated  
spectrum is that of M104.

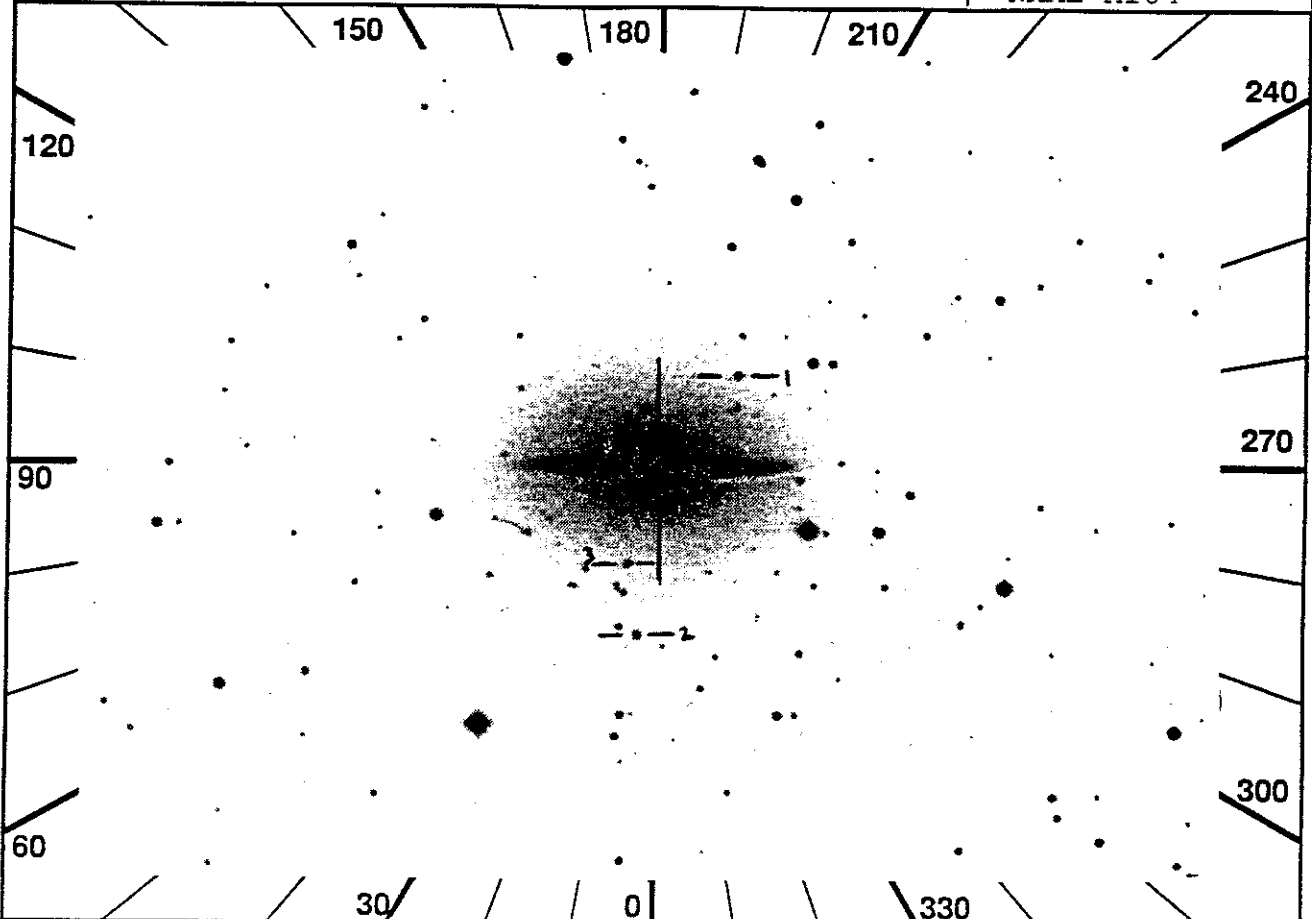


UIT  
Observation Description



1 RA 189.3475 DEC -11.3485 ROLL 0.  
 2 TIME 2039

ID 6608-10  
 NAME M104



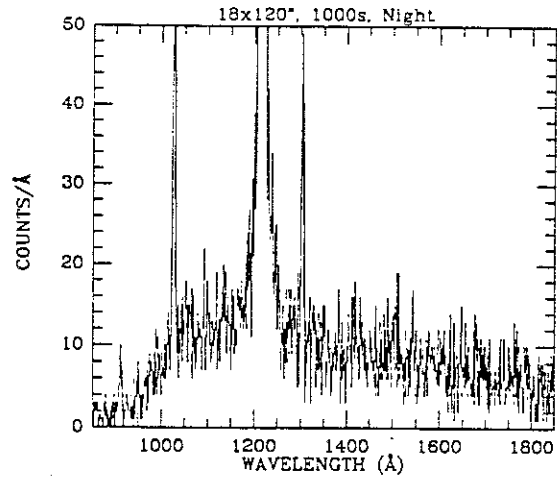
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	199	gde sim	15	15	3.2	6	7	4	---	---	---	---	---	MANUAL	W DARK
4	W	242	nlc ngd	15	15	1.8	7	4	10	---	---	---	---	---	NOLOC	DFLD
5	S	U	204	DT	-	T	F	24	b5	31	b1	31	a1	-	-	-
6	JAC	ITEM	16	0				17				IMC	BEGIN			
7		Config	H	W	U			18				HUT	ITEM	5		
8								19	W			WUP	ITEM	11	DF	
9	JAC	All	SETUP					20	W			WUP	wait	CAM	MODE	ZOOM
10	H	-	Note:	faint	target--if			21				All	BEGIN			
11	H		necessary	wait	until			22		JOB	Observe					
12	H		night	to	acquire.			23	JAC	All	PREVIEW					
13	H	JAC	*IF	HUT	src	visible		24		All	QUIT					
14	H		* HUT	ITEM	4			25								
15	H		* HUT	PFK	cur	to	src	26	JAC	ITEM	16_1					
16	W		Chk	Stat	-LOC	-PAU	RDY									

*nucleus - if see guide, start*

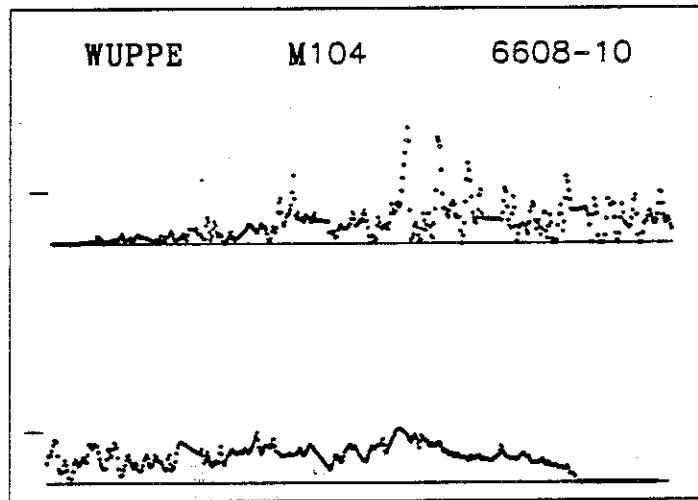
*2*

OBJECT: 6608 M104 (NGC4594)  
KEYWORDS: Edge on spiral galaxy  
COMMENTS:  
Goal is to study stellar populations  
and look for halo emission lines

The Slit is parallel to the major axis and  
should be above the disk of the galaxy



ID: 6608-10  
Names: M104 NGC4594  
Type: Edge on  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering  
Comments: offsetting with long  
slit parallel to famous dust  
lane, just above it by 10".



UIT  
Observation Description