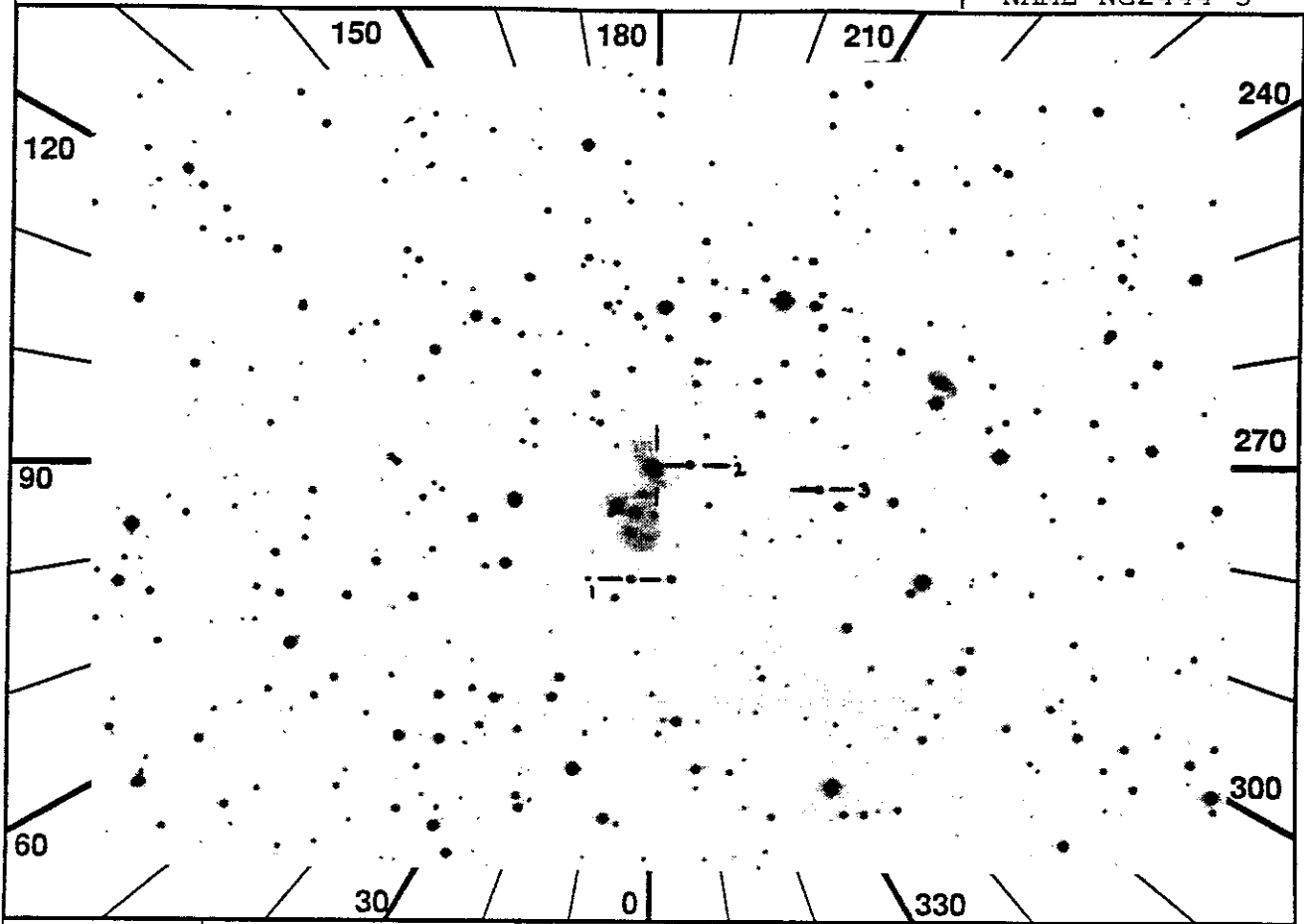


1 RA 115.8775 DEC 39.1567 ROLL 332.55

ID 7102-10

2 TIME 1607

NAME NG2444-5

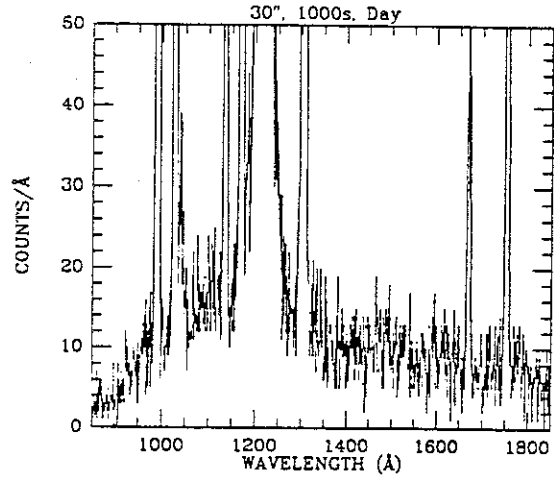


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	113	gde	sim	15	16	3.6	5	1	4	---	---	---	---			
4	W	8	nlc	ngd	15	15	1.0		7	4	300	---	---	---	NOLOC		
5	P	U	212	DT	-	T	F	31	a2	31	a4	31	a5	31	b5	---	---
6	JAC	ITEM 16 0					13	All BEGIN									
7		Config H W U					14	JOB Observe									
8	-----					15	JAC All PREVIEW										
9	JAC	All SETUP					16	All QUIT									
10	W	Chk Stat -LOC -PAU RDY					17	-----									
11	IMC BEGIN					18	JAC ITEM 16_1										
12	HUT ITEM 5																

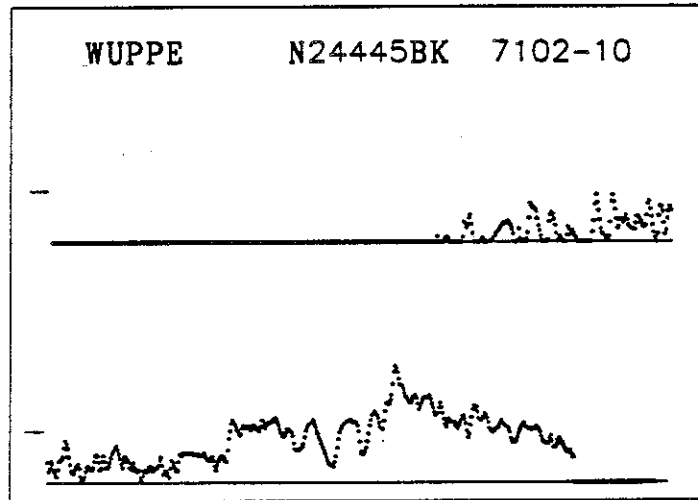
*interacting galaxy  
(prob. NGC 2445 centroid for us)*

*3*

OBJECT: 7102 NGC2444-5  
KEYWORDS: Interacting galaxy  
COMMENTS:  
Observation is centered on the northernmost  
bright spot  
(Probably not visible in TV)



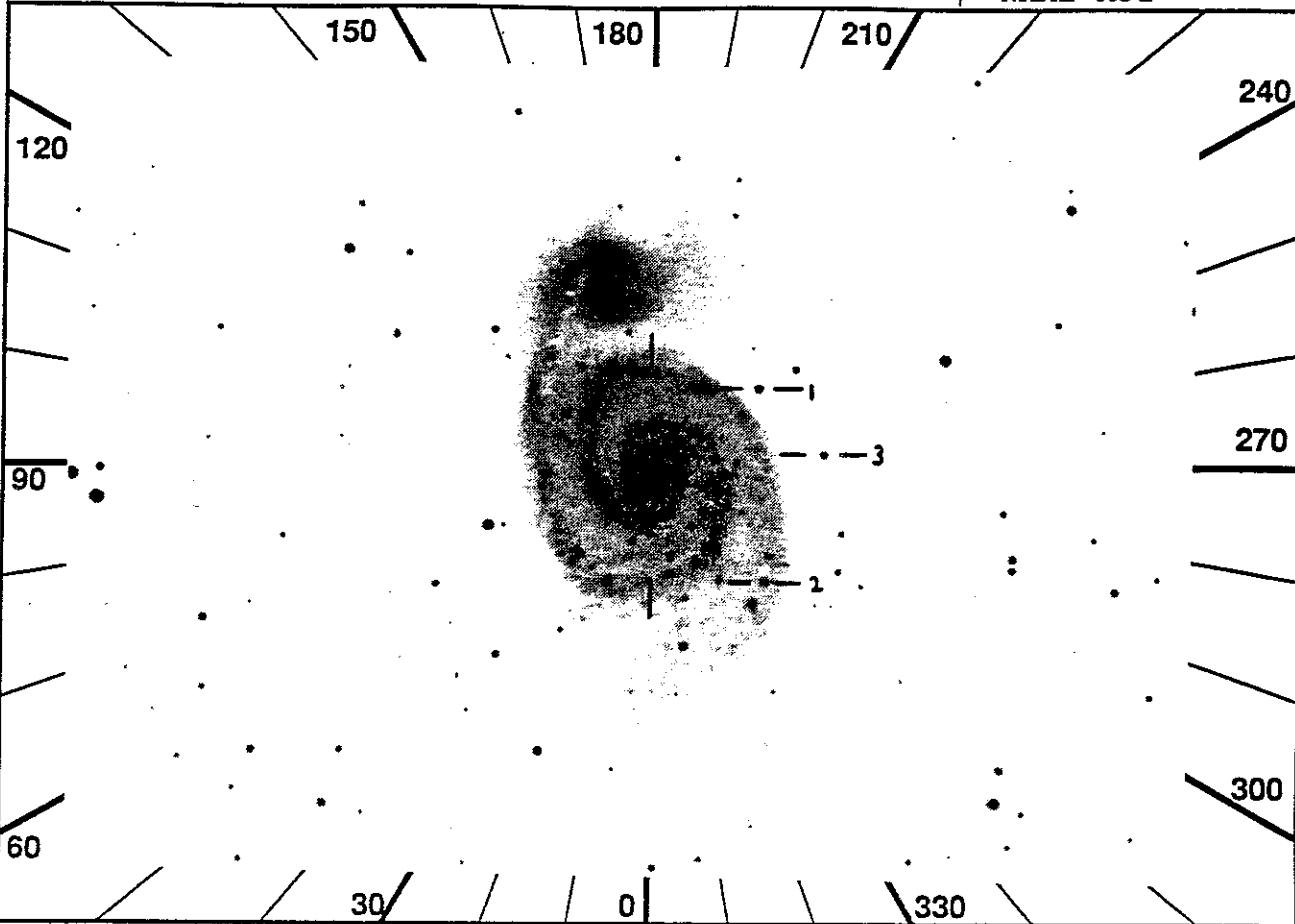
ID: 7102-10  
Names: NG2444-5  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



UIT  
Observation Description

1 RA 201.9430 DEC 47.4528 ROLL 107.36  
 2 TIME 2037

ID 7107-10  
 NAME M51

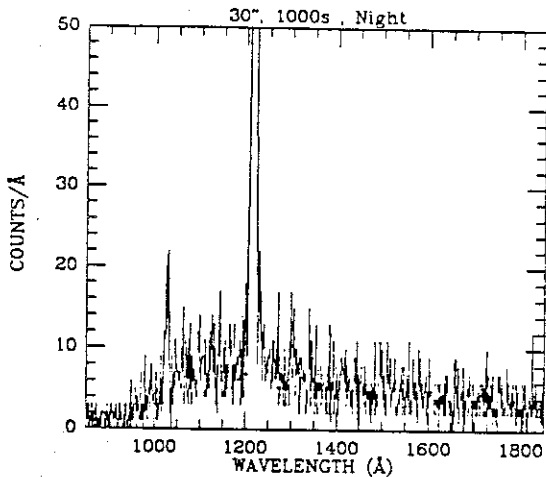


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	139	src sim	16	16	2.7	5	1	4	---	---	---	---	---	W DARK	
4	W	244	ncn ngd	10	13	3.4		6	4	---	---	---	---	---	NUCLOC DFLD	
5	P	U	225	DT	-	T	F	7	b5	31	b1	31	a1	---		
6	JAC	ITEM	16	0				22	W			*	Config	without	WUP	
7		Config	H	W	U			23	W			WUP	ITEM	11	DF	
8								24	W			WUP	wait	CAM	MODE	ZOOM
9	JAC	All	SETUP					25				All	BEGIN			
10	H	-	Note:	faint	target	--if		26	W			*IF	WUP	Deconfig		
11	H		necessary	wait	until			27	W			*	WUP	ITEM	11	F+1
12	H		night	to	acquire.			28	W			*	Cur	/ITEM	6	In fld, zm
13	W	JAC	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	is	gal	nucleus	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													

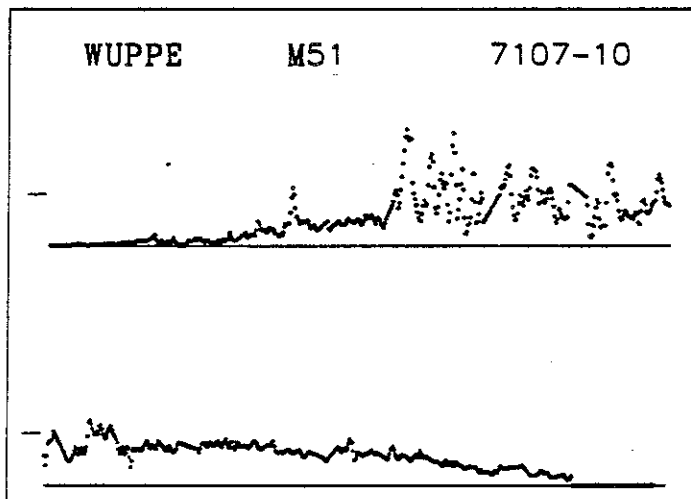
*nucleus*  
 2

OBJECT: 7107 M51 (NGC5194)  
KEYWORDS: Spiral galaxy nucleus  
COMMENTS:  
Pointing at nucleus

Look for emission lines



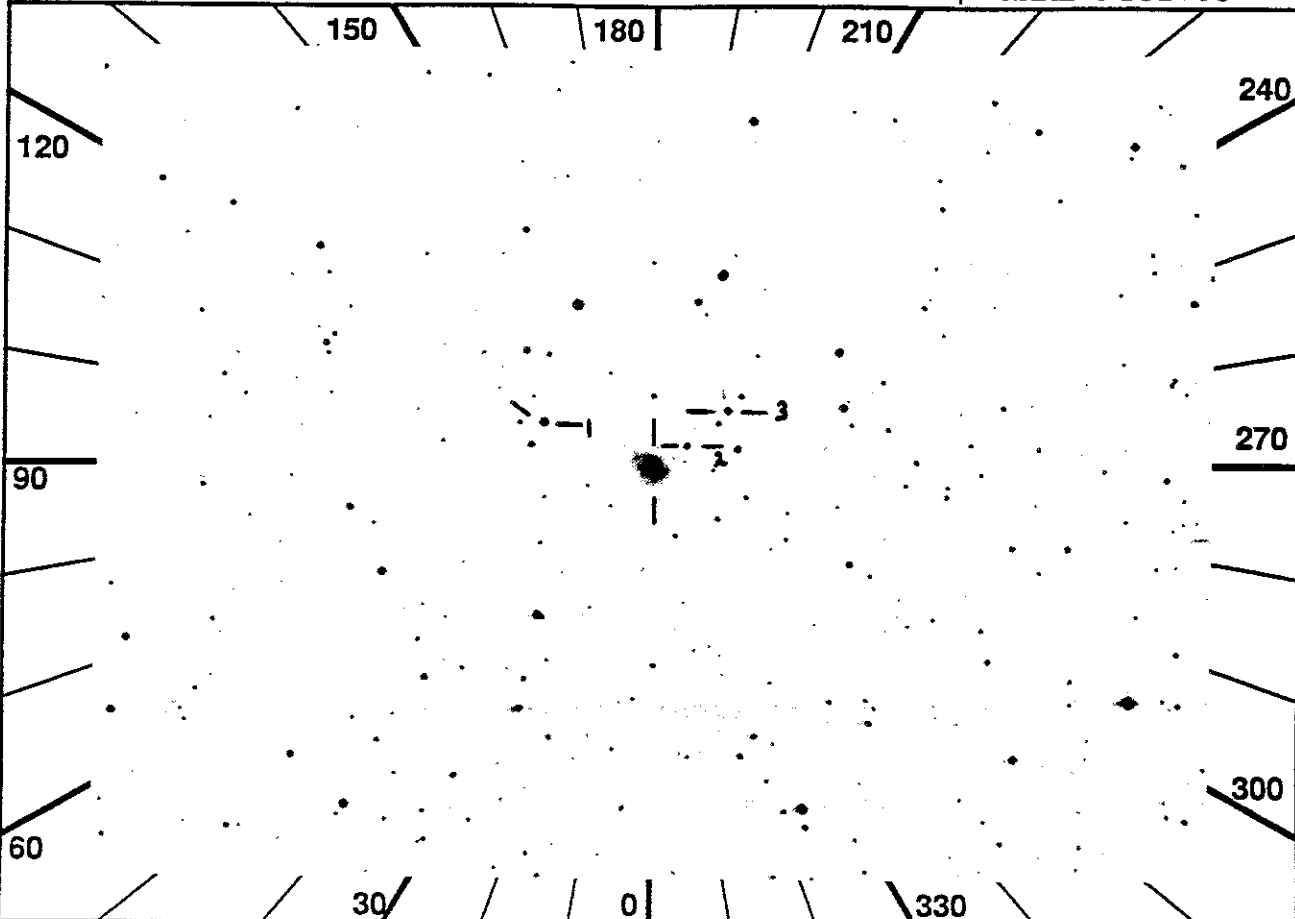
ID: 7107-10  
Names: M51 NGC5194  
Type:  
\* Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum



UIT  
Observation Description

1 RA 73.2792 DEC -53.4417 ROLL 101.11  
 2 TIME 593

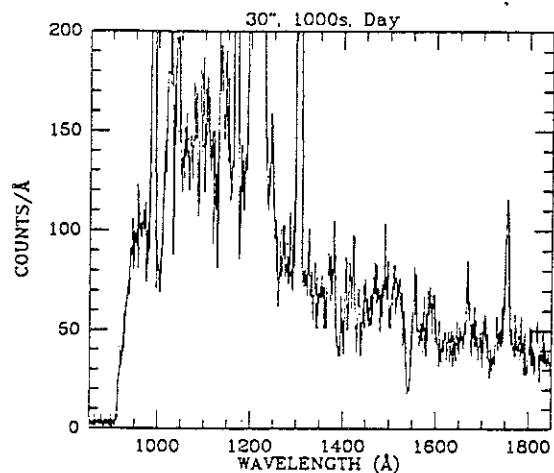
ID 7203-10  
 NAME NGC1705



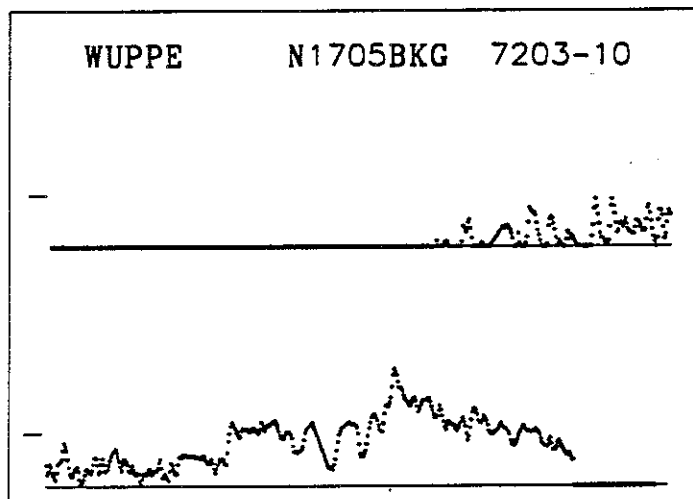
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	161	gde	sim	16	15	3.7	5	1	1	---	---	---	---	SAA	AC MANUAL	
4	W	8	nlc	ngd	15	15	1.0		7	4	300	---	---	---	NOLOC		
5	S	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---			
6	H	-	VIP ON until SAA exit				17			HUT ITEM 5							
7	JAC	Config H W U				18	H	-	After SAA exit								
8	-----																
9	H	-	Note: Acquisition in SAA				20	H		HUT SETUP							
10	JAC	All SETUP				21	H		Chk HUT Stat -LOC								
11	H		*IF HUT src visible				22		All BEGIN								
12	H		* HUT ITEM 4				23		JOB Observe								
13	H		* HUT PFK cur to src				24	JAC	All PREVIEW								
14	J		Chk Stat - -PAU RDY				25		All QUIT								
15	H	TV	Verify HUT acq on TV				26		-----								
16	JAC	IMC BEGIN				27	JAC	ITEM 16_1									

*unders*  
 1

OBJECT: 7203 NGC1705  
KEYWORDS: Amorphous Galaxy  
COMMENTS:  
Point at the center of the galaxy



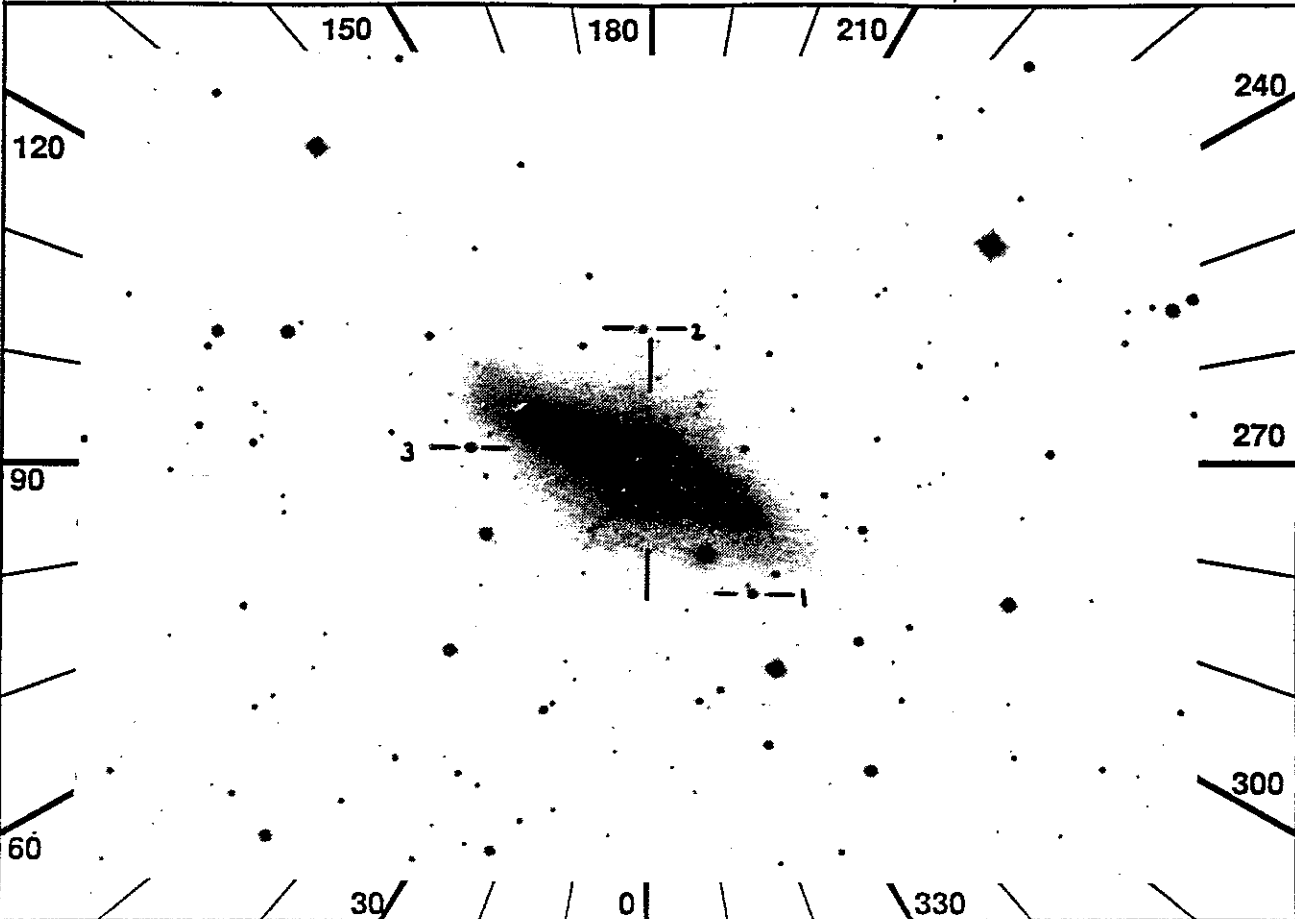
ID: 7203-10  
Names: NGC1705  
Type: Sp Gal  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



UIT  
Observation Description

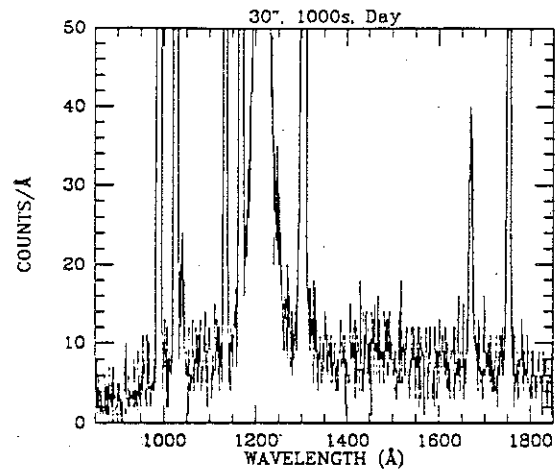
1 RA 147.9250 DEC 69.9158 ROLL 123.00  
 2 TIME 2659

ID 7205-11  
 NAME M82

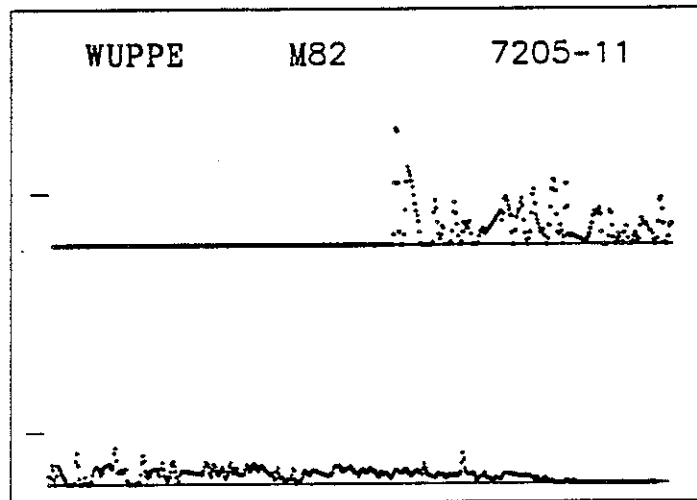


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2			
3	H	250	gde sim	14	15	3.6	5	1	4	---	---	---	---	---	MANUAL				
4	W	246	ncn ngd	15	15	2.3		7	4	20	---	---	---	---	NUCLOC	DFLD			
5	S	U	230	DT	-	T	F	31	b5	31	a5	31	a2	47	a1	47	b1	LTSTRT	AST4SC
6	I			CMD	WRI	3900		26	W			WUP	ITEM	11	DF				
7	I			F007F0010FA0		(4s upd)		27	W			WUP	wait	CAM	MODE	ZOOM			
8	I	IMC	Chk	AST	WAC	incr	once/4s	28	U			Config	without	UIT					
9		JAC	ITEM	16	0			29				All	BEGIN						
10			Config	H	W	U		30	W			*IF	WUP	Deconfig					
11			-----					31	W			*	WUP	ITEM	11	F	+1		
12		JAC	All	SETUP				32	W			*	Cur	ITEM	6	In	fld,	zm	
13	H		*IF	HUT	src	visible		33	W			*	WUP	ITEM	4	(Cur	off)		
14	H		*	HUT	ITEM	4		34	W			*	WUP	ITEM	7	(Begin)			
15	H		*	HUT	PFK	cur	to	src	35	W		*	Config	with	WUP				
16	W		Chk	Stat	-LOC	-CUR	RDY	36	U	JOB		Wait	for	TIME	AVAIL	2184			
17			IMC	BEGIN				37	U			UIT	BEGIN						
18			HUT	ITEM	5			38	U	JAC		Config	with	UIT					
19	W		WUP	tgt	is	gal	nucleus	39		JOB		Observe							
20	W		*IF	WUP	target	visible		40		JAC		All	PREVIEW						
21	W		*	WUP	PFK	cur	to	target	41			All	QUIT						
22	W		*	WUP	ITEM	6	(Cntr)	42				-----							
23	W		*	WUP	ITEM	4	(Cur	off)	43		JAC	ITEM	16	1					
24	W		*ELSE					44	I			CMD	ISS	3908	(1s	upd)			
25	W		*	Config	without	WUP													

OBJECT: 7205 M82 (NGC3034)  
KEYWORDS: Amorphous Galaxy  
COMMENTS:  
Because of high extinction, this galaxy  
will probably be very faint in the HUT  
wavelength range



ID: 7205-11  
Names: M82 NGC3034  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: non thermal  
radiation?  
Comments: hope to hit a  
knot in the jet.  
Co-pointing with BBXRT.

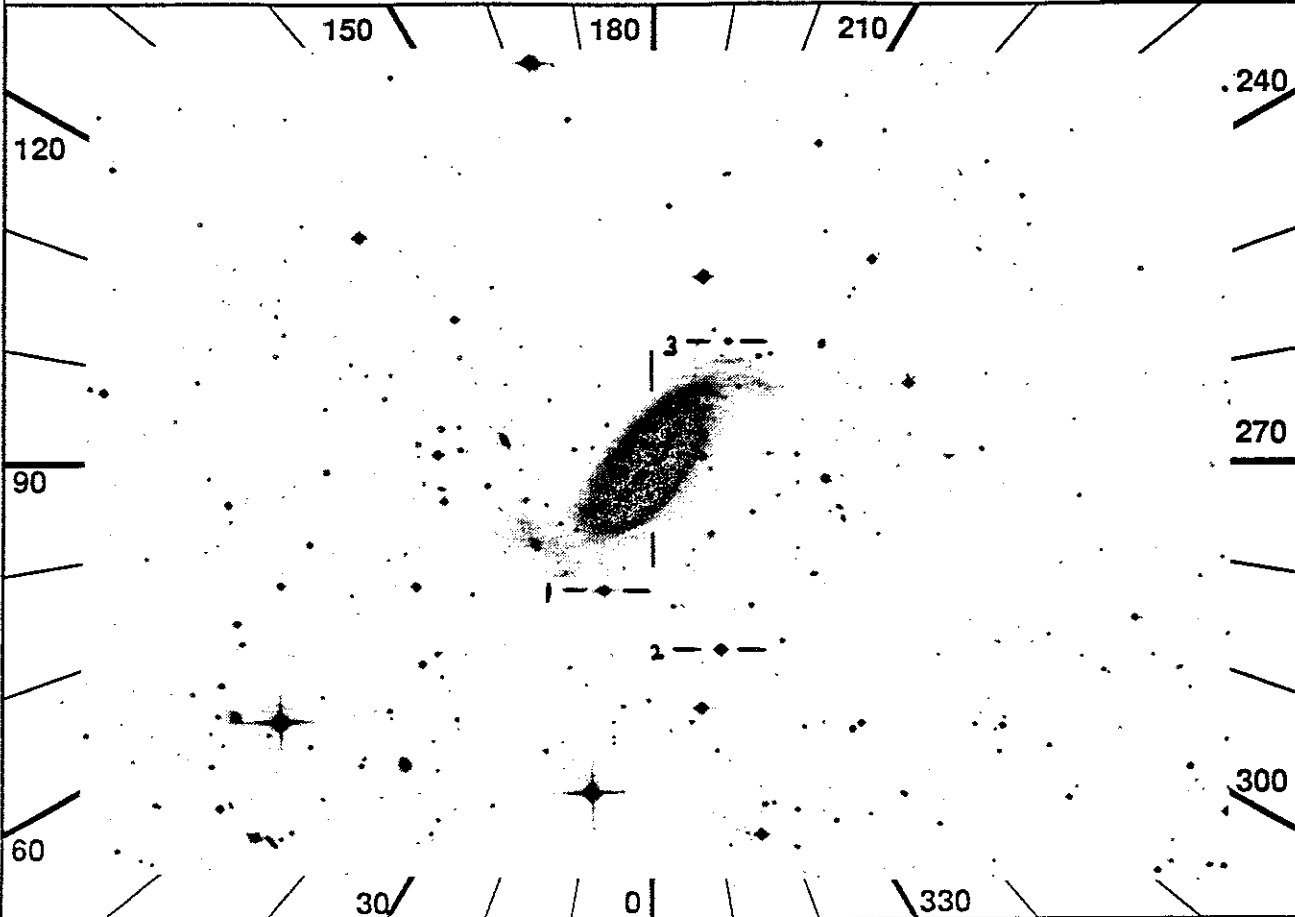


UIT  
Observation Description



1 RA 76.4958 DEC -37.5783 ROLL 317.00  
 2 TIME 1306

ID 7302-10  
 NAME NGC1808



SEQ	LOC OBS	MAG	LGR D	A FM OF	A FM OF	A FM OF	ALT1	ALT2
3	H 48	gde sim 15 15	3.6 5	1 1 ---	---	---	SAA 3M	MANUAL
4	W 262	ncn nqd 15 15	1.8	7 4 ---	---	---	NUCLOC	DFLD
5	P U 213	DT -	T F 31 a2	31 a5	31 b5	---		

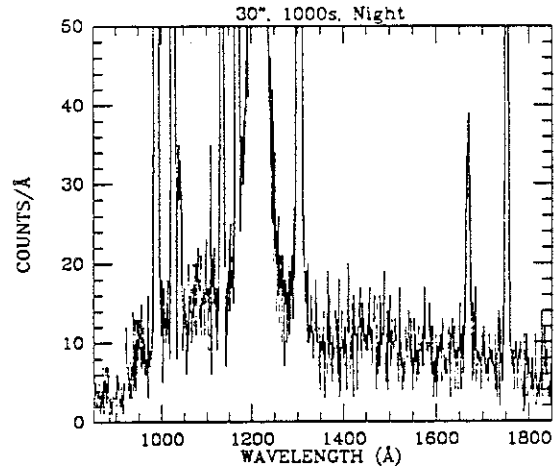
6 H -	VIP ON until SAA exit	25 H -	After SAA exit
7 JAC	Config H W U	26 H JAC	ITEM 16_0
8	-----	27 H	HUT SETUP
9 H -	Note: Acquisition in SAA	28 H	Chk HUT Stat -LOC
10 JAC	All SETUP	29 W	WUP ITEM 11_DF
11 H	*IF HUT src visible	30 W	WUP wait CAM MODE ZOOM
12 H	* HUT ITEM 4	31	All BEGIN
13 H	* HUT PFK cur to src	32 W	*IF WUP Deconfig
14 J	Chk Stat - -CUR RDY	33 W	* WUP ITEM 11_F_+1
15 H TV	Verify HUT acq on TV	34 W	* Cur/ITEM 6 In fld, zm
16 JAC	IMC BEGIN	35 W	* WUP ITEM 4 (Cur off)
17	HUT ITEM 5	36 W	* WUP ITEM 7 (Begin)
18 W	WUP tgt is gal nucleus	37 W	* Config with WUP
19 W	*IF WUP target visible	38	JOB Observe
20 W	* WUP PFK cur to target	39 JAC	All PREVIEW
21 W	* WUP ITEM 6 (Cntr)	40	All QUIT
22 W	* WUP ITEM 4 (Cur off)	41	-----
23 W	*ELSE	42 JAC	ITEM 16_1
24 W	* Config without WUP		

*nucleus*

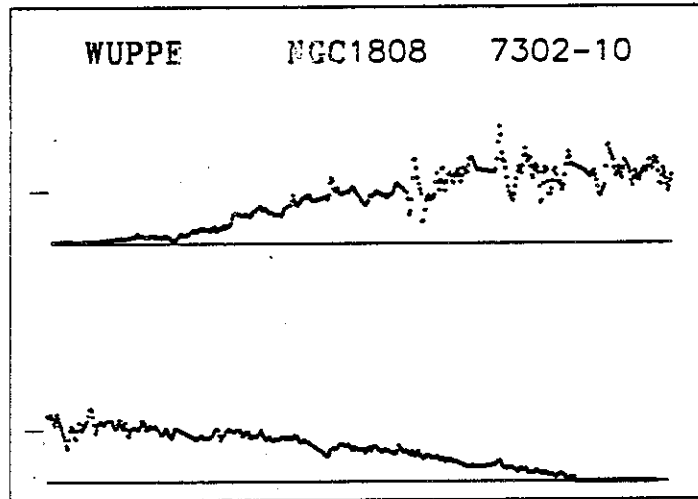
---

OBJECT: 7302 NGC1808  
KEYWORDS: Spiral Galaxy nucleus  
COMMENTS:  
Galaxy with rapid star formation  
Pointing at the nucleus  
  
Simulation is a VERY crude guess

---



ED: 7302-10  
Names: NGC1808  
Type:  
Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum  
IUE data used for simulated  
spectrum is that of M100.



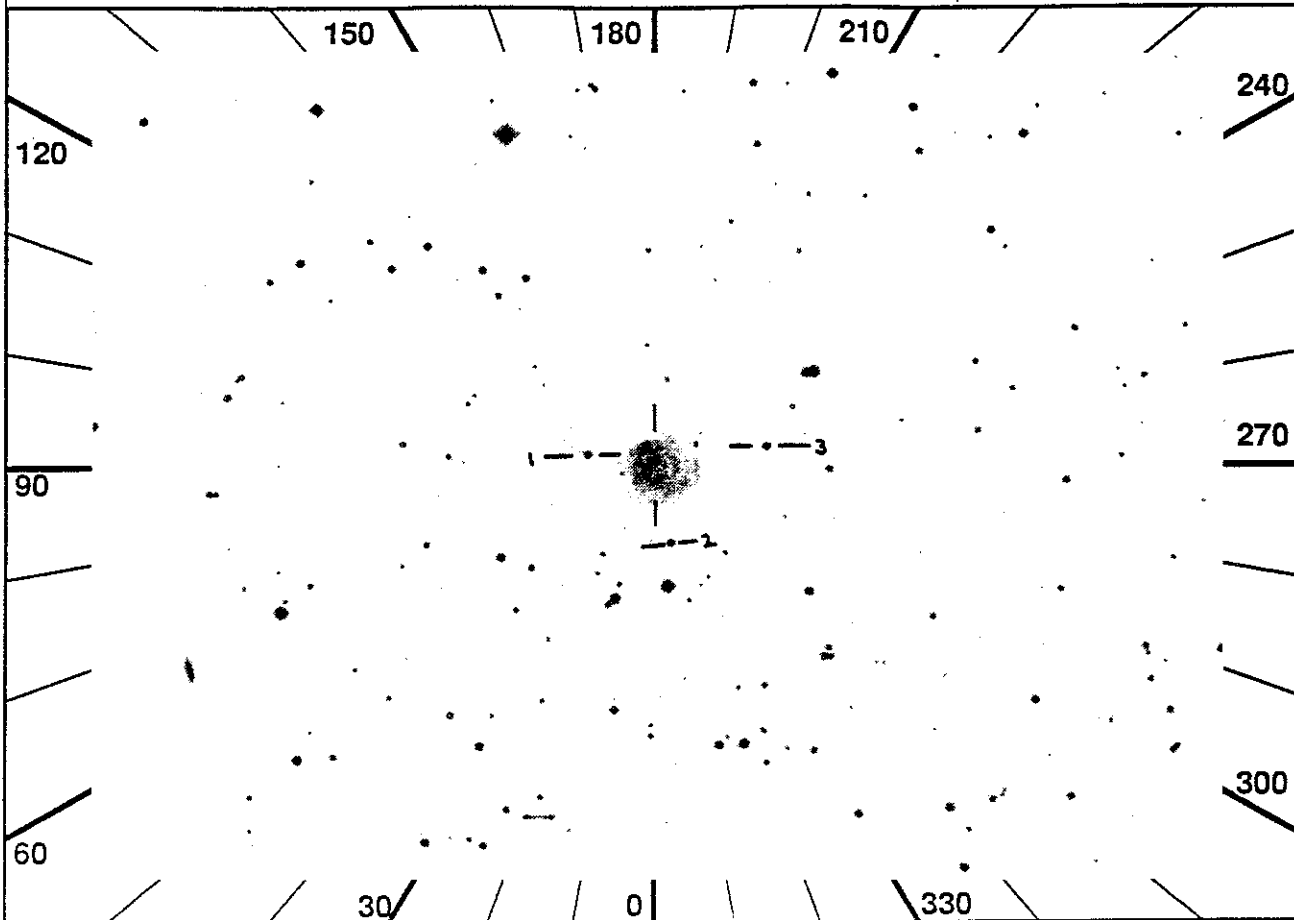
UIT  
Observation Description

1 RA 137.7250 DEC 40.3217 ROLL 246.95

ID 7304-11

2 TIME 1149

NAME NGC2782



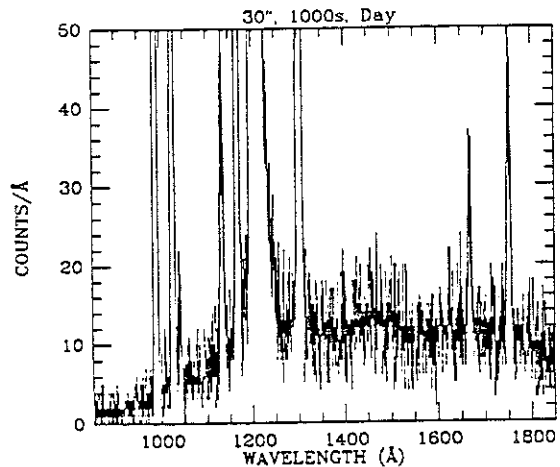
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	56	gde	sim	15	16	3.6	5	1	4	---	---	---	---	SAA AC	<del>MANUAL</del> N2782
4	W	8	nlc	ngd	15	15	1.0		7	4	300	---	---	---	NOLOC	
5	P	U	246	DT	-	T	F	31	a5	31	b5	---	---	---		AST4SC
6	I			CMD	WRI	3900			19	JAC	IMC	BEGIN				
7	I			F007F0010FA0	(4s	upd)			20		HUT	ITEM	5			
8	I	IMC	CRk	AST	WAC	incr	once/4s		21	H	-	After	SAA	exit		
9	H	-	VIP	ON	until	SAA	exit		22	H	JAC	ITEM	16	0		
10	JAC		Config	H	W	U			23	H		HUT	SETUP			
11				-----					24	H		Chk	HUT	Stat	-LOC	
12	H	-	Note:	Acquisition	in	SAA			25			All	BEGIN			
13	JAC		All	SETUP					26		JOB	Observe				
14	H		*IF	HUT	src	visible			27	JAC	All	PREVIEW				
15	H		*	HUT	ITEM	4			28			All	QUIT			
16	H		*	HUT	PFK	cur	to	src	29							
17	J		Chk	Stat	-	-PAU	RDY		30	JAC	ITEM	16_1				
18	H	TV	Verify	HUT	acq	on	TV		31	I		CMD	ISS_3908	(1s	upd)	

nucleus  
3

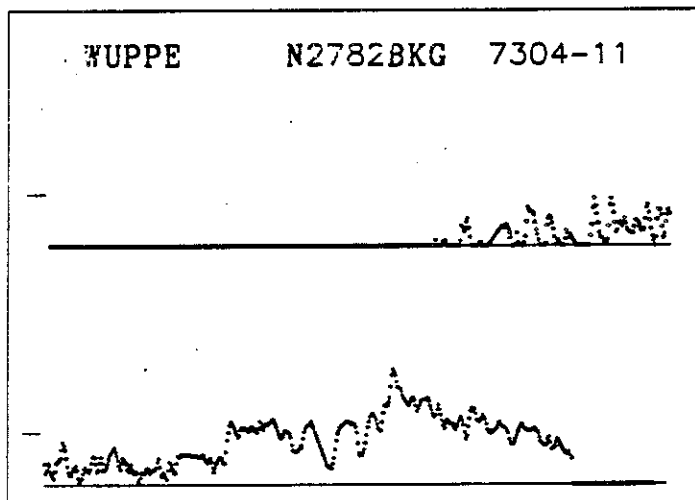
---

OBJECT: 7304 NGC2782  
KEYWORDS: Rapid star forming galaxy  
COMMENTS:  
Pointing at the nucleus  
Might just be visible in TV camera  
  
Simulation is a very crude guess

---



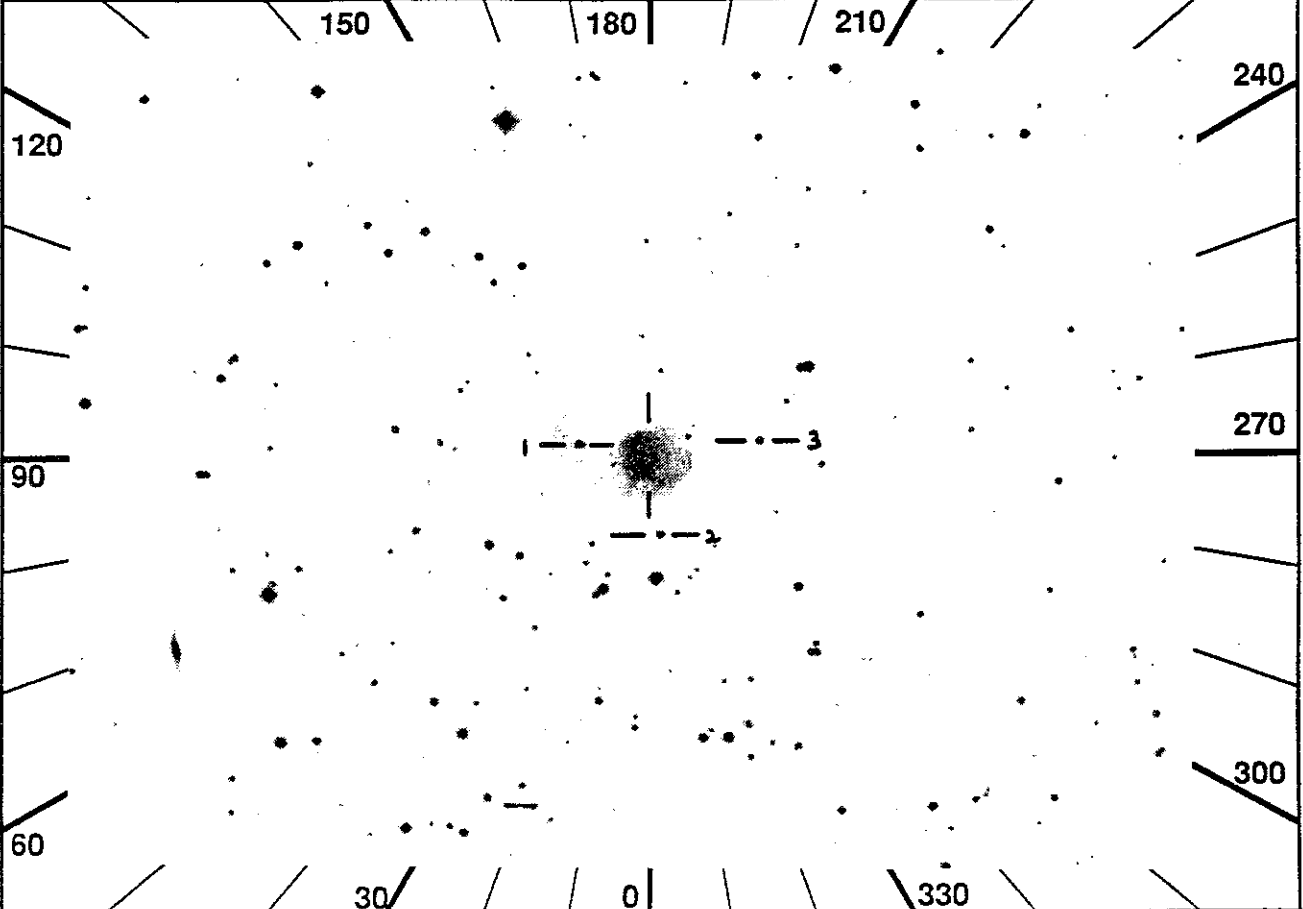
ID: 7304-11  
Names: NGC2782  
Type: Seyfert  
\* Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



UIT  
Observation Description

1 RA 137.7250 DEC 40.3217 ROLL 246.95  
 2 TIME 1004

ID 7304-12  
 NAME NGC2782

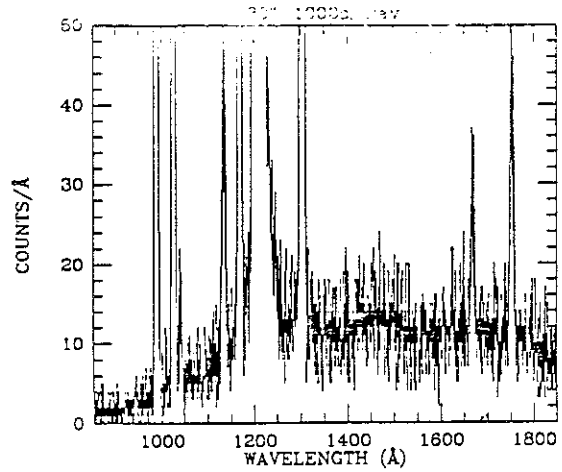


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	231	gde sim	15	16	3.6	5	1	4	---	---	---	---	---	SAA AC	<del>MANUAL</del> Na782
4	W	8	nlc nqd	15	15	1.0		7	4	300	---	---	---	---	NOLOC	
5	P	U	247	DT	-	T	F	31	a2	31	a4	-	-	-	-	AST4SC
6	I		CMD WRI			3900		19	JAC	IMC	BEGIN					
7	I		F007F0010FA0			(4s upd)		20		HUT	ITEM 5					
8	I	IMC	CHK AST WAC			incr once/4s		21	H	-	After SAA exit					
9	H	-	VIP ON			until SAA exit		22	H	JAC	ITEM 16_0					
10	H	JAC	Config			H W U		23	H		HUT SETUP					
11			-----					24	H		Chk HUT Stat -LOC					
12	H	-	Note: Acquisition			in SAA		25			All BEGIN					
13	H	JAC	All SETUP					26		JOB	Observe					
14	H		*IF HUT src			visible		27		JAC	All PREVIEW					
15	H		* HUT ITEM			4		28			All QUIT					
16	H		* HUT PFK			cur to src		29			-----					
17	J		Chk Stat			-PAU RDY		30		JAC	ITEM 16_1					
18	H	TV	Verify HUT			acq on TV		31	I		CMD ISS_3908					(1s upd)

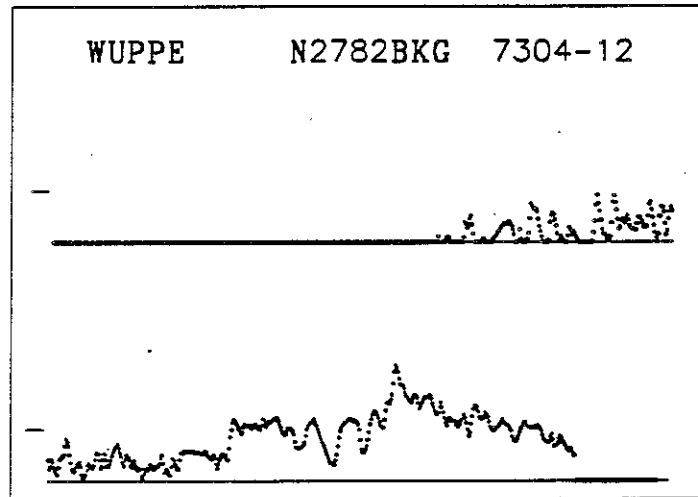
*nucleus*  
 3

OBJECT: 7304 NGC2782  
KEYWORDS: Rapid star forming galaxy  
COMMENTS:  
Pointing at the nucleus  
Might just be visible in TV camera

Simulation is a very crude guess



ID: 7304-12  
Names: NGC2782  
Type: Seyfert  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



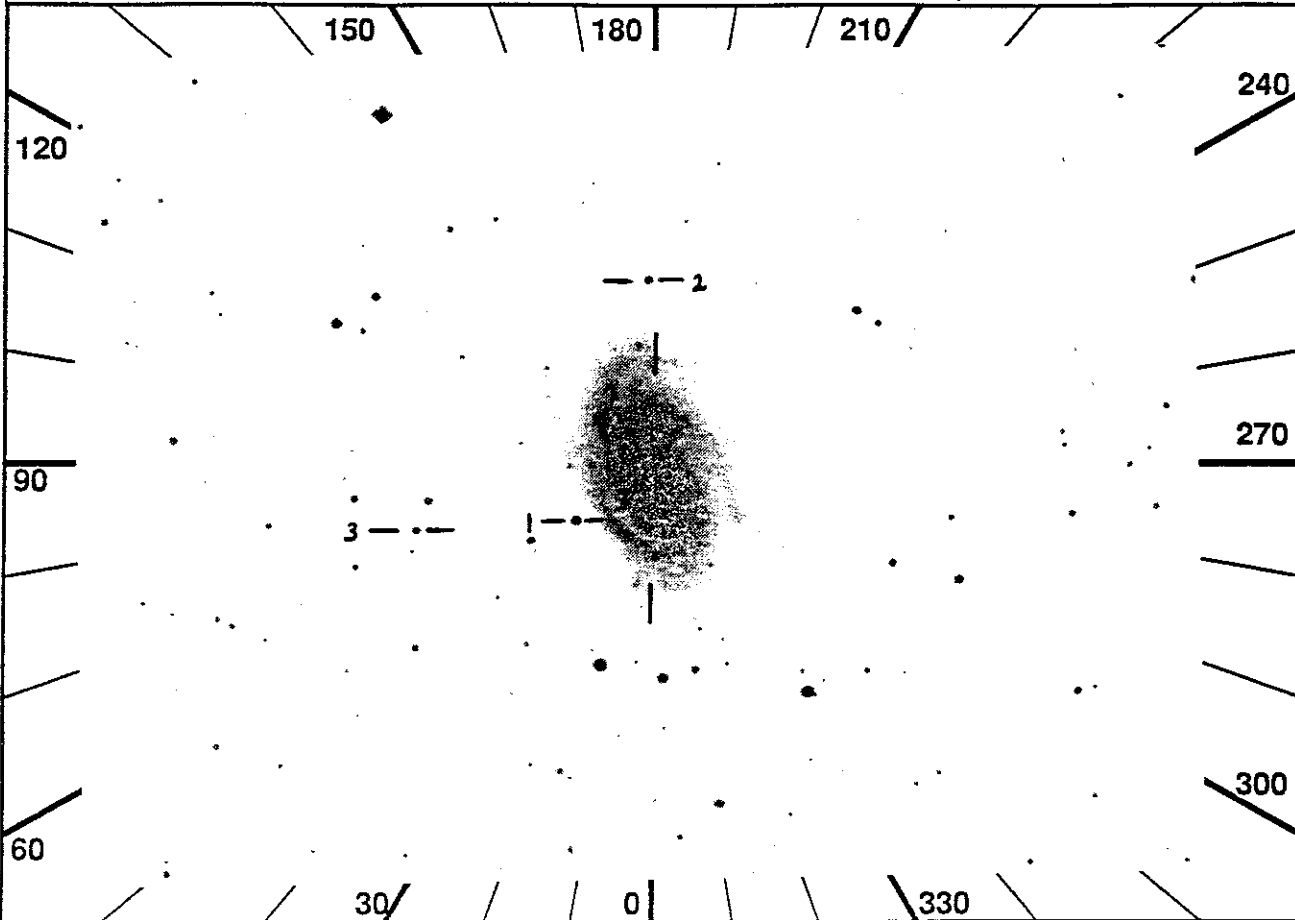
UIT  
Observation Description

1 RA 142.3329 DEC 21.7219 ROLL 339.36

ID 7305-10

2 TIME 1410

NAME NGC2903



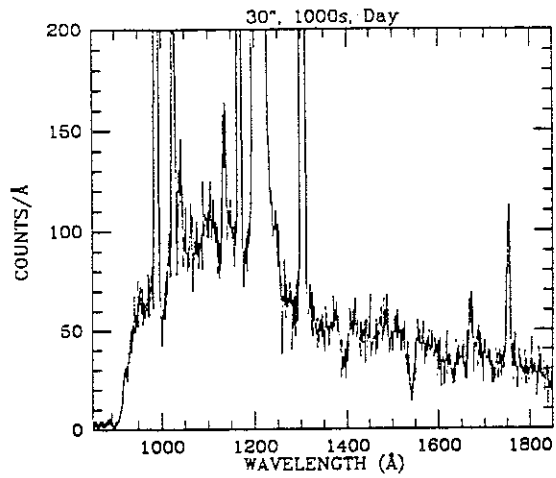
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2			
3	H	81	src	sim	16	15	3.7	5	1	1	---	---	---	---					
4	W	248	ncn	ngd	15	15	1.0		7	4	300	7	4	---	---	NUCLOC BKG1			
5	P	U	212	DT	-	T	F	31	a2	31	a4	31	a5	31	b5	-	-		
6	JAC	ITEM 16_0								20	All BEGIN								
7		Config H W U								21	W	*IF WUP Deconfig							
8	-----																		
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 is gal nucleus								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																	

nucleus  
3

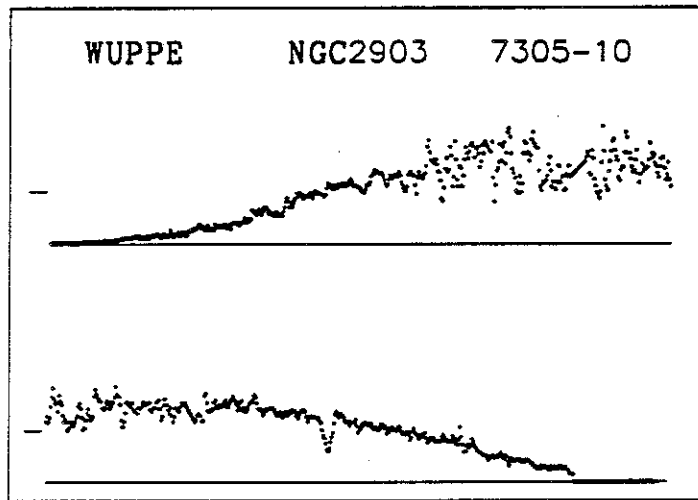
---

OBJECT: 7305 NGC2903  
KEYWORDS: Spiral galaxy nucleus  
COMMENTS:  
Spiral galaxy wiith strong nuclear H-alpha.  
  
Simulation is a crude guess

---



ID: 7305-10  
Names: NGC2903  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: non thermal?  
scattering?  
Comments: doing 300" dec  
offset backgrounds before  
nucleus observation.



UIT  
Observation Description

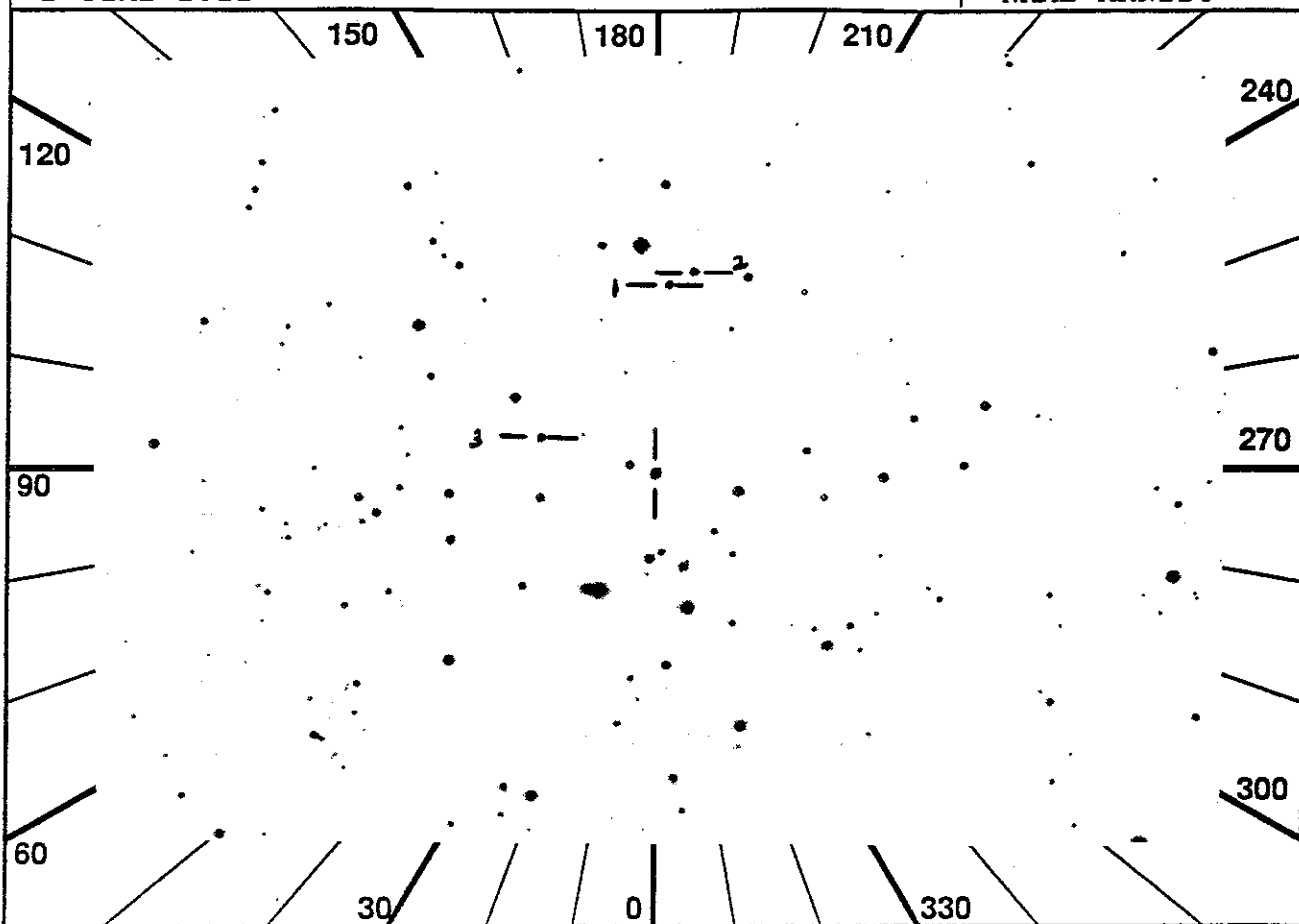


1 RA 142.6260 DEC 55.4634 ROLL 229.73

ID 7306-10

2 TIME 1011

NAME MKN116



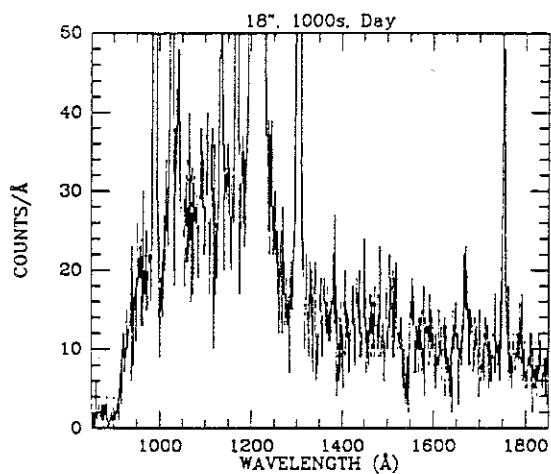
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	266	ade	sim	15	16	3.3	5	7	4	---	-	-	---	MANUAL	SAA 3M
4	W	8	nlc	ngd	15	15	1.0		7	4	300	---	-	---	NOLOC	
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	-	-	-

6	H	-	VIP ON until SAA exit	17	HUT ITEM 5
7	JAC	Config	H W U	18	H - After SAA exit
8			-----	19	H JAC ITEM 16 0
9	H	-	Note: Acquisition in SAA	20	H HUT SETUP
10	JAC	All	SETUP	21	H Chk HUT Stat -LOC
11	H		*IF HUT src visible	22	All BEGIN
12	H		* HUT ITEM 4	23	JOB Observe
13	H		* HUT PFK cur to src	24	JAC All PREVIEW
14	J	Chk	Stat - -PAU RDY	25	All QUIT
15	H	TV	Verify HUT acq on TV	26	-----
16	JAC	IMC	BEGIN	27	JAC ITEM 16_1

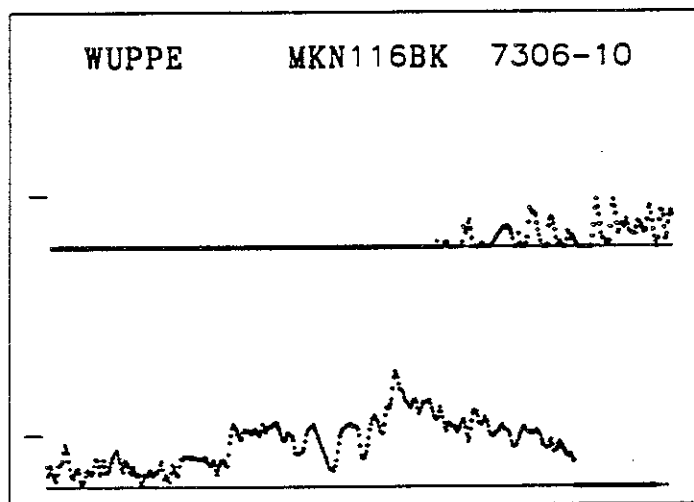
*primordial helium abundance  
extragalactic @ HII region*

2

OBJECT: 7306 MKN116 IZW18  
KEYWORDS: Blue Compact Dwarf Galaxy  
COMMENTS:



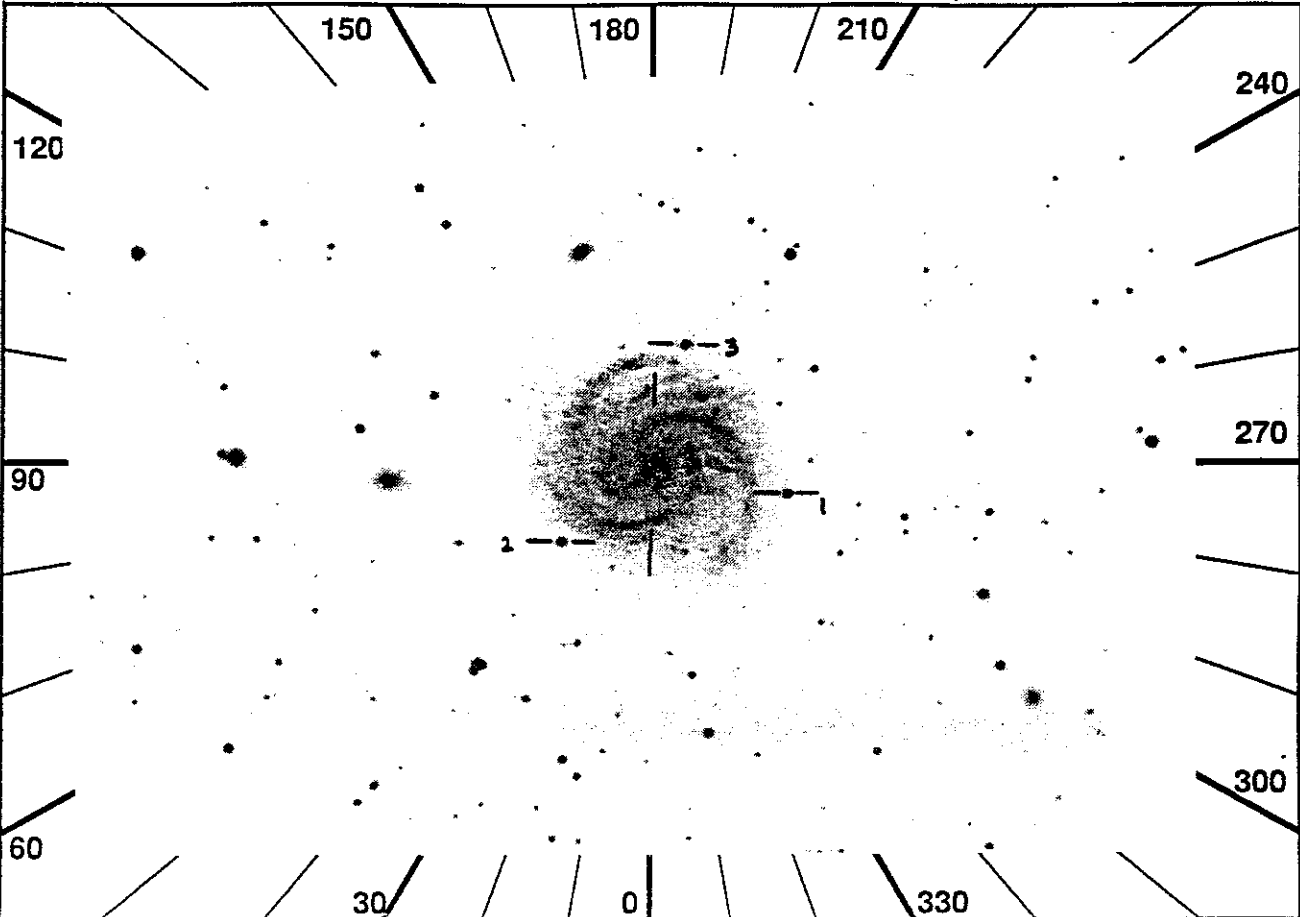
ID: 7306-10  
Names: MKN116 IZW18  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: BKG observation  
only, offset 300" in dec.



UIT  
Observation Description

1 RA 185.0966 DEC 16.1000 ROLL 279.08  
 2 TIME 1612

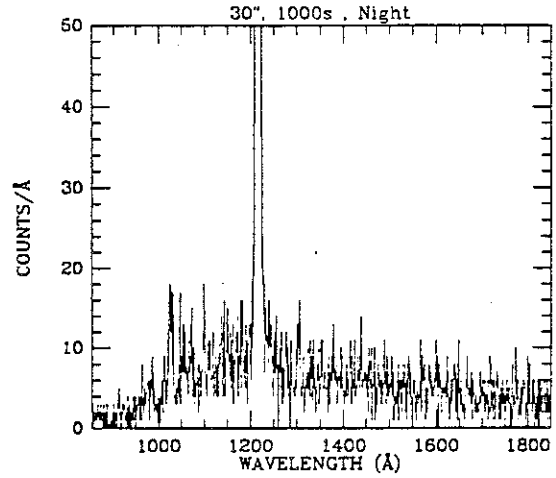
ID 7310-10  
 NAME M100



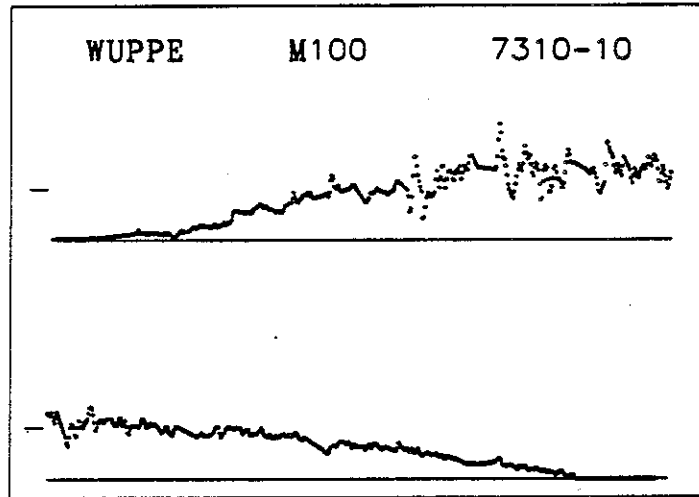
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	186	src sim	14	15	2.7	5	1	4	---	---	---	---	---		
4	W	250	ncn nqd	15	15	2.2		7	4	---	---	---	---	---	NUCLOC	DFLD
5	P	U	203	DT	-	T	F	31	a1	31	b1	31	b5	-	-	-
6	JAC	ITEM 16_0				20	W	WUP ITEM 11 DF								
7		Config H W U				21	W	WUP wait CAM MODE 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*  
 3

OBJECT: 7310 M100 (NGC4321)  
KEYWORDS: Spiral galaxy nucleus  
COMMENTS:  
Sc(s)II galaxy.  
Pointing at nucleus.  
  
Simulation is a crude guess



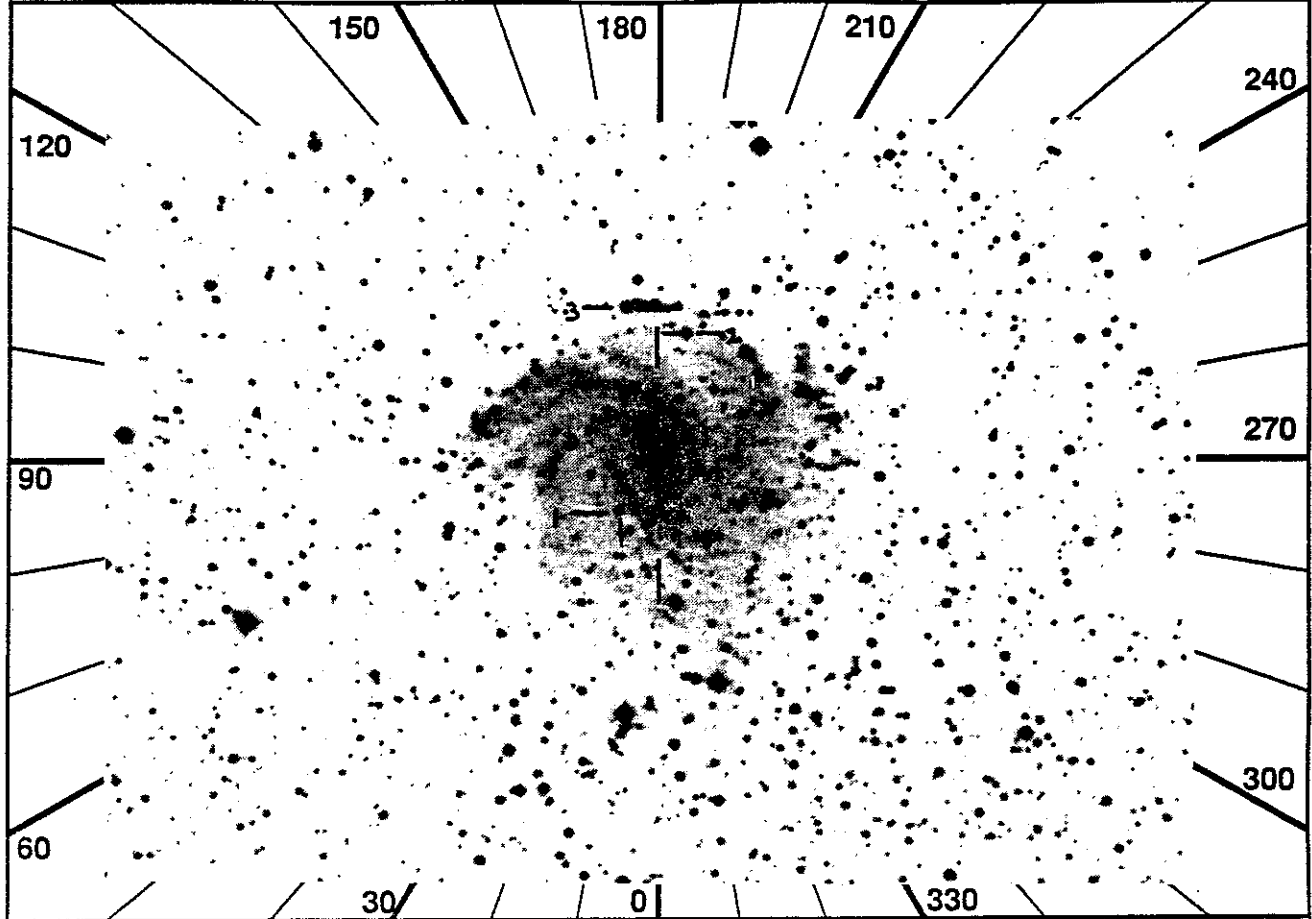
ID: 7310-10  
Names: M100 NGC4321  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum



UIT  
Observation Description

1 RA 308.4533 DEC 59.9806 ROLL 99.41  
 2 TIME 1099

ID 7323-10  
 NAME NGC6946

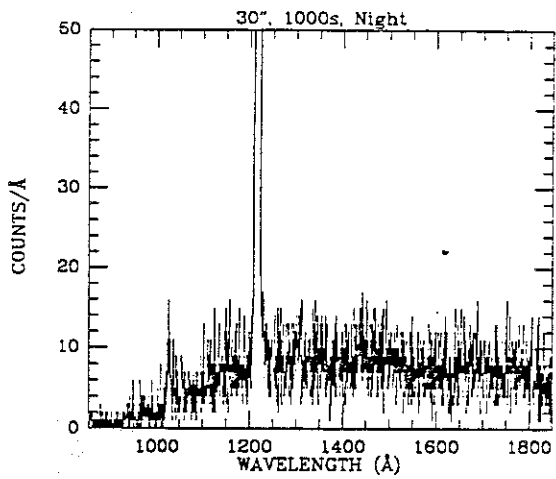


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	71	gde sim	15	15	2.8	5	1	4	---	---	---	---	---	MANUAL		
4	W	251	ncn ngd	10	15	1.8		6	4	61	---	---	---	---	HIILOC	DFLD	
5	P	U	101	DT	-	T	F	31	a1	31	b1	---	---	---			
6	JAC	ITEM 16 0										22	W	* Config without WUP			
7		Config H W U										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															

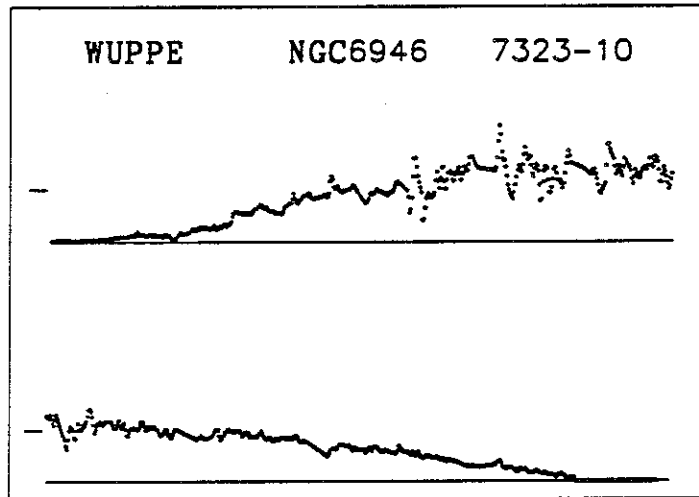
nucleus  
 3

OBJECT: 7323 NGC6946  
KEYWORDS: Spiral galaxy nucleus  
COMMENTS:  
Sc(s)II with rapid star formation

Pointing at nucleus  
Might just be visible in TV



ID: 7323-10  
Names: NGC6946  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: dust scattering?  
Comments: offsetting to an  
HII region.  
IUE data used for simulated  
spectrum is that of M100.



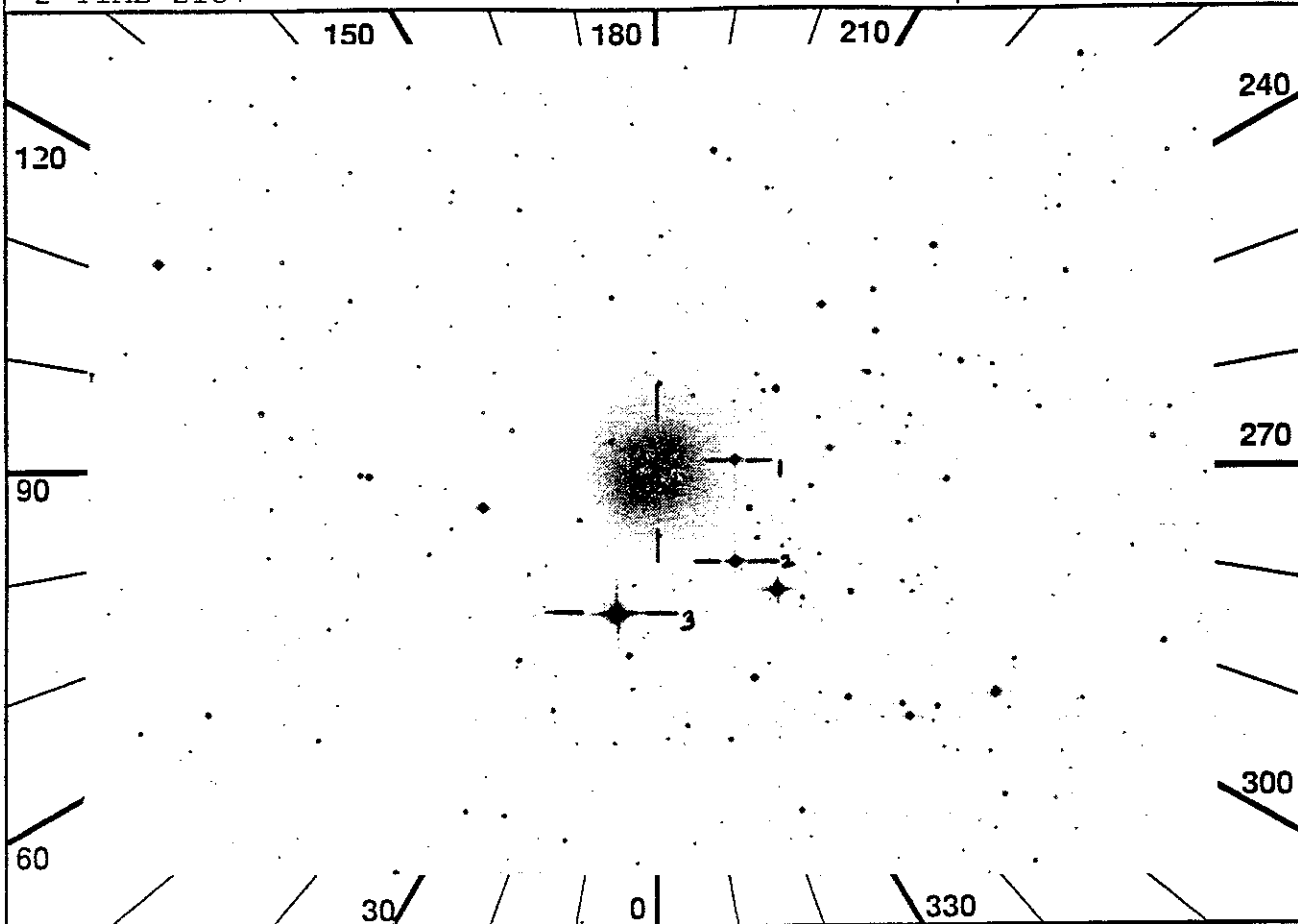
UIT  
Observation Description

1 RA 63.6619 DEC -55.7141 ROLL 303.62

ID 7402-10

2 TIME 2137

NAME NGC1549



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	136	gde sim	15	13	3.9	5	6	1	---	---	---	---	---	LCDATA		
4	W	252	ncn nqd	15	15	1.8		7	4	---	7	4	120	---	NUCLOC	BKG2	
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)				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 last 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														

*elliptical, interesting*

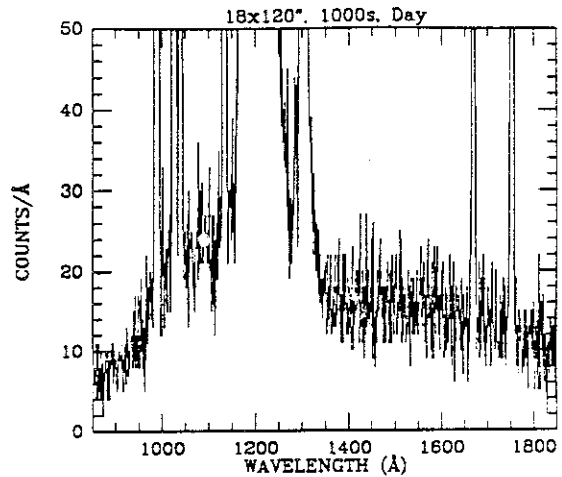
|

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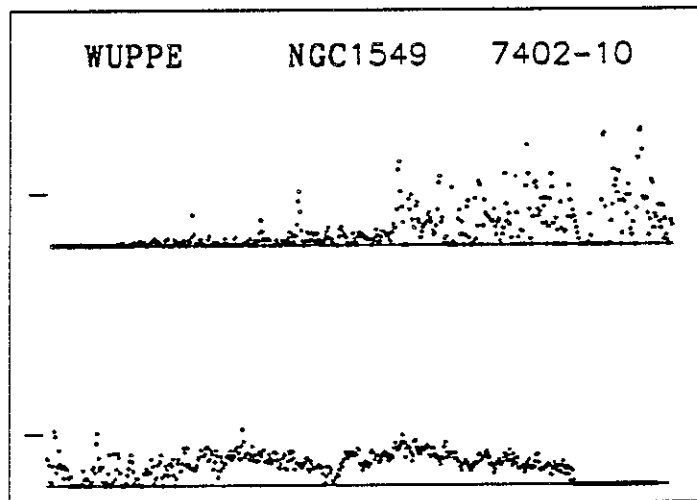
OBJECT: 7402 NGC1549  
KEYWORDS: Elliptical Galaxy  
COMMENTS:  
Pointing at nucleus  
Will not be visible because of bright  
stars in field.

Simulation assumes B3V star spectrum  
Scaled for expected HUT flux

---



ID: 7402-10  
Names: NGC1549  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: non thermal?  
Comments: nuclear pointing  
with a 120" dec offset,  
short background afterward.  
IUE data used for simulated  
spectrum is that of NGC1553.



UIT  
Observation Description

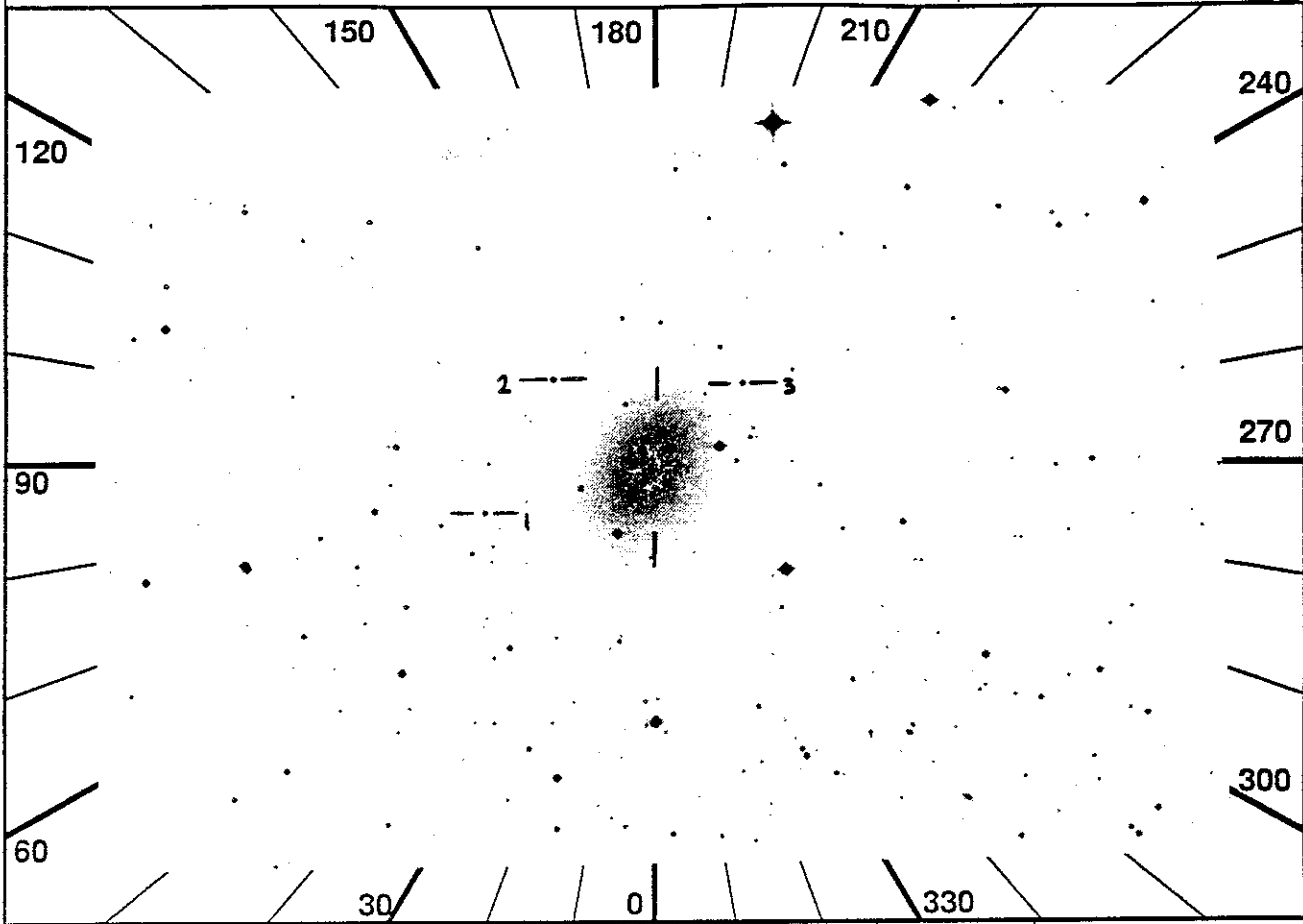


1 RA 63.7710 DEC -55.9022 ROLL 305.00

ID 7403-10

2 TIME 987

NAME NGC1553



SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	138	gde sim	15	16	3.9	5	6	1	---	---	---	---	---	MANUAL	
4	W	253	nch nqd	15	15	1.8		7	4	---	7	4	120	---	NUCLOC	BKG2
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---		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		*IF	HUT	src	visible		30	W		*	WUP	ITEM	4	(Cur off)	
14	H		*	HUT	ITEM	4		31	W		*	WUP	ITEM	7	(Begin)	
15	H		*	HUT	PFK	cur to src		32	W		*	Config	with	WUP		
16	W		Chk	Stat	-LOC	-CUR	RDY	33	W			NOTE:	WUP	last	seq = BKG	
17			IMC	BEGIN				34		JOB	Observe					
18			HUT	ITEM	5			35		JAC	All	PREVIEW				
19	W		WUP	tgt	is	gal	nucleus	36			All	QUIT				
20	W		*IF	WUP	target	visible		37			-----					
21	W		*	WUP	PFK	cur to target		38		JAC	ITEM	16	1			
22	W		*	WUP	ITEM	6	(Ctr)	39	I		CMD	ISS_3908	(1s upd)			

50 nucleus  
1

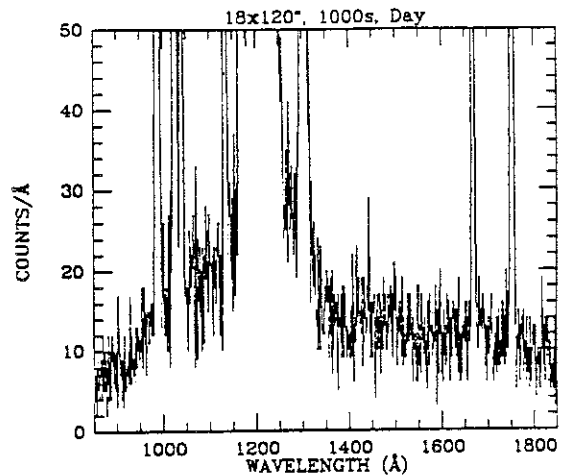
---

OBJECT: 7403 NGC1553  
KEYWORDS: S0 Galaxy  
COMMENTS:  
Pointing at nucleus

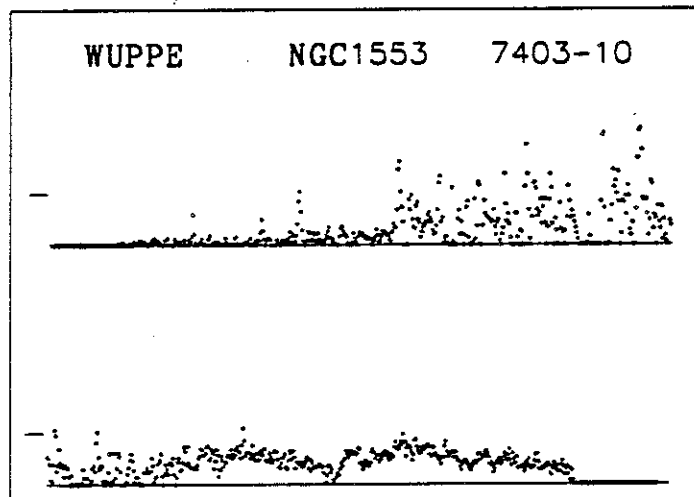
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Simulation assumes B3V star spectrum  
Scaled for expected HUT flux (guess)

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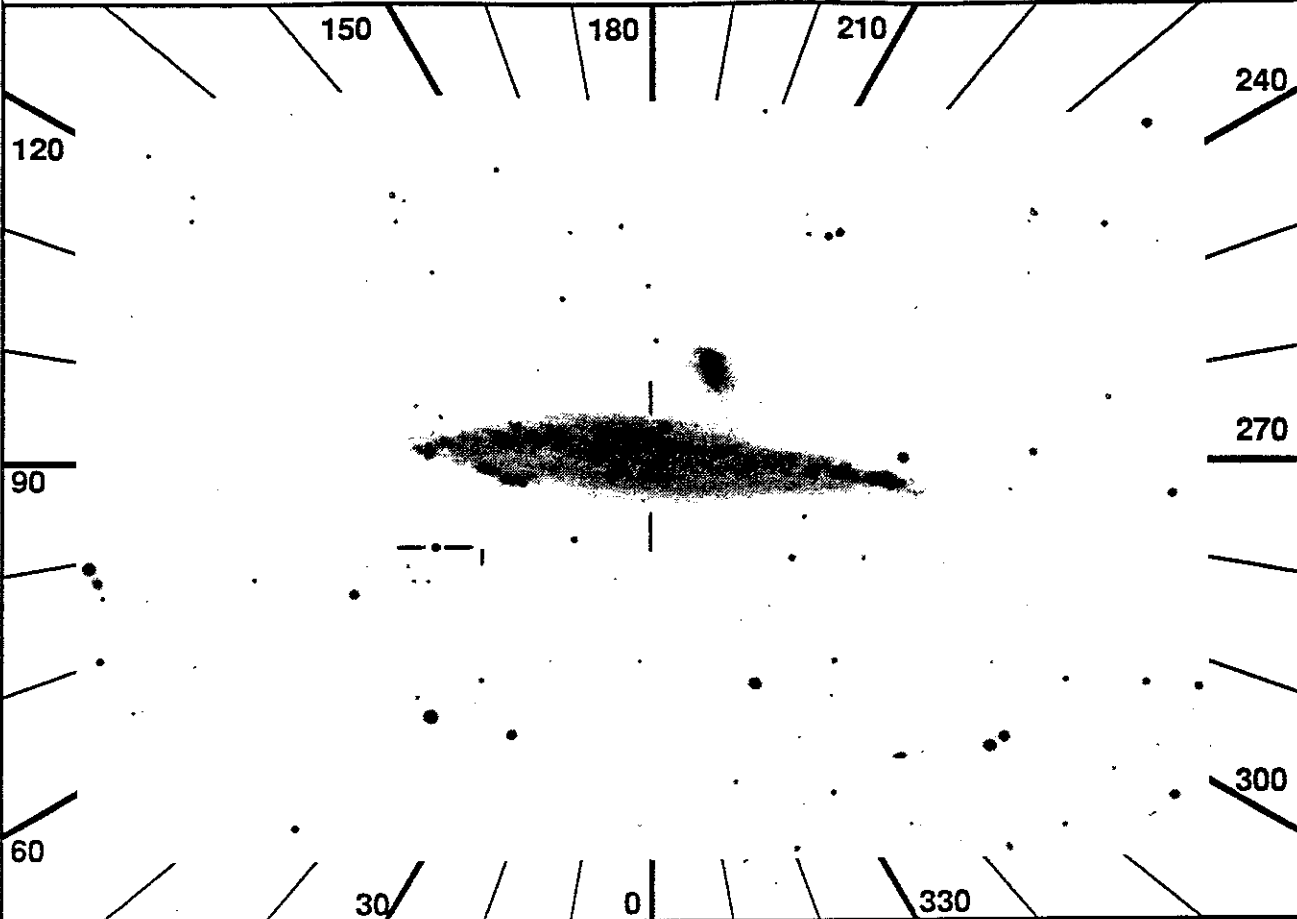
ID: 7403-10  
Names: NGC1553  
Type: Sp Gal  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: non thermal?  
Comments: nuclear pointing  
with a 120" dec offset,  
short background afterward.



UIT  
Observation Description

1 RA 189.9229 DEC 32.8150 ROLL 10.00  
 2 TIME 2487

ID 7407-11  
 NAME NGC4631

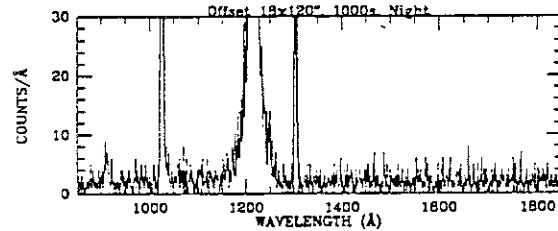
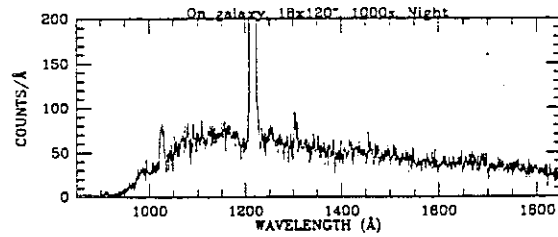


SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2	
3	H	100	gde off	16	15	3.9	5	6	1	0	6	1	91	-	-	MANUAL	
4	W	254	ncn nqd	15	15	1.8		7	4	---	---	---	---	---	---	NUCLOC DFLD	
5	P	U	206	DT	-	T	F	31	b5	31	b1	31	a1	31	a5	-	LTSTRT AST4SC
6	I		CMD WRI 3900					26	W							WUP ITEM 11 DF	
7	I		F007F0010FA0 (4s upd)					27	W							WUP wait CAM MODE ZOOM	
8	I	IMC	Chk AST WAC incr once/4s					28	U							Config without UIT	
9		JAC	ITEM 16 0					29								All BEGIN	
10			Config H W U					30	W							*IF WUP Deconfig	
11			-----					31	W							* WUP ITEM 11 F +1	
12		JAC	All SETUP					32	W							* Cur/ITEM 6 In fld, zm	
13	H		*IF HUT src visible					33	W							* WUP ITEM 4 (Cur off)	
14	H		* HUT ITEM 4					34	W							* WUP ITEM 7 (Begin)	
15	H		* HUT PFK cur to src					35	W							* Config with WUP	
16	W		Chk Stat -LOC -CUR RDY					36	U	JOB						Wait for TIME AVAIL 2184	
17			IMC BEGIN					37	U							UIT BEGIN	
18			HUT ITEM 5					38	U	JAC						Config with UIT	
19	W		WUP tgt is gal nucleus					39		JOB						Observe	
20	W		*IF WUP target visible					40		JAC						All PREVIEW	
21	W		* WUP PFK cur to target					41								All QUIT	
22	W		* WUP ITEM 6 (Cntr)					42								-----	
23	W		* WUP ITEM 4 (Cur off)					43		JAC						ITEM 16 1	
24	W		*ELSE					44	I							CMD ISS_3908 (1s upd)	
25	W		* Config without WUP														

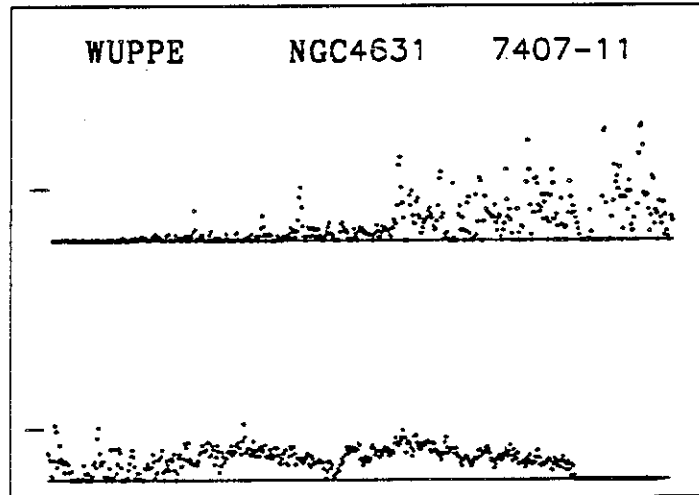
OBJECT: 7407 NGC4631  
KEYWORDS: Edge on spiral galaxy  
COMMENTS:  
Looking for halo emission lines  
(CIV, OVI in particular)  
Slit is aligned with the disk

Observation starts centered on  
the galaxy and moves 90" above it

Simulation is a VERY crude guess



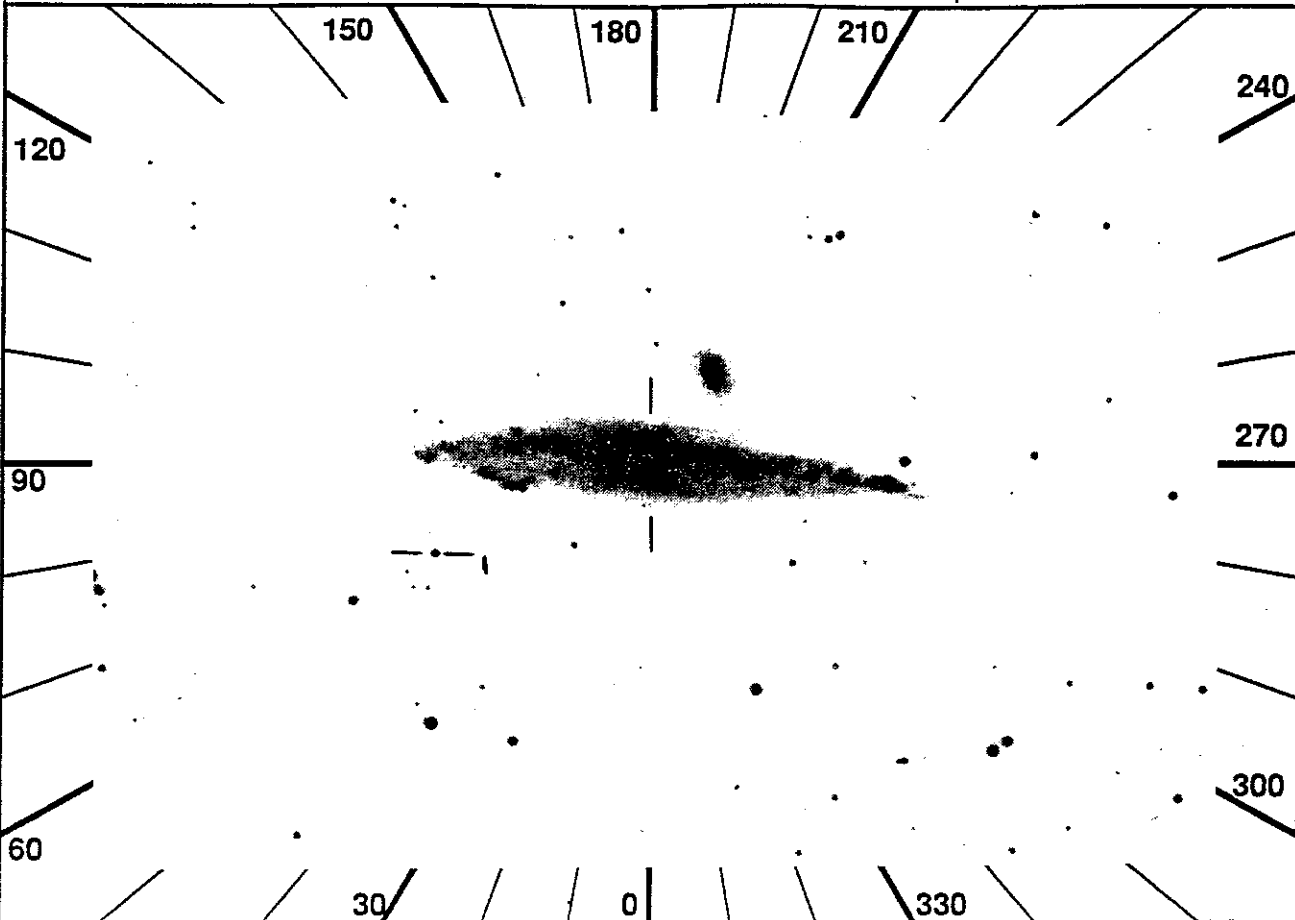
ID: 7407-11  
Names: NGC4631 N4656  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum  
IUE data used for simulated  
spectrum is that of NGC1553.



UIT  
Observation Description

1 RA 189.9229 DEC 32.8150 ROLL 10.00  
 2 TIME 1543

ID 7407-12  
 NAME NGC4631



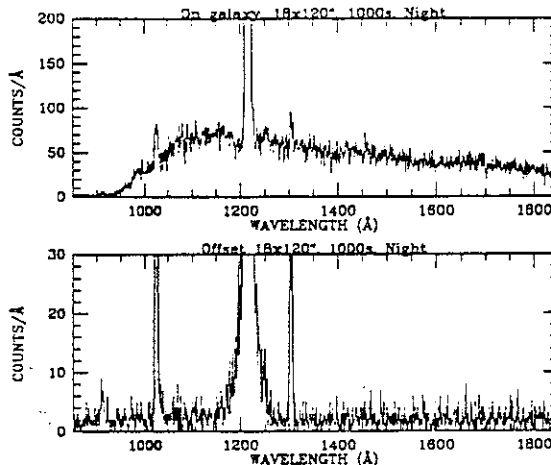
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H 102	gde off	16	15	3.2	5	6	4	0	6	4	91	-	-	-	MANUAL
4	W 254	ncn ngd	15	15	1.8		7	4	---	---	---	---	---	---	---	NUCLOC
5	P U 207	DT -		T F	27	b5	-	-	-	-	-	-	-	-	-	AST4SC
6	I	CMD WRI	3900				23	W		*	WUP	ITEM	4		(Cur off)	
7	I	F007F0010FA0				(4s 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	*IF	HUT	src	visible		30	W		*	WUP	ITEM	4		(Cur off)	
14	H	*	HUT	ITEM	4		31	W		*	WUP	ITEM	7		(Begin)	
15	H	*	HUT	PFK	cur	to	32	W		*	Config	with	WUP			
16	W	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	38	I		CMD	ISS	3908		(1s	upd)	
22	W	*	WUP	ITEM	6	(Ctr)										

*dish + 90" offset*  
 2

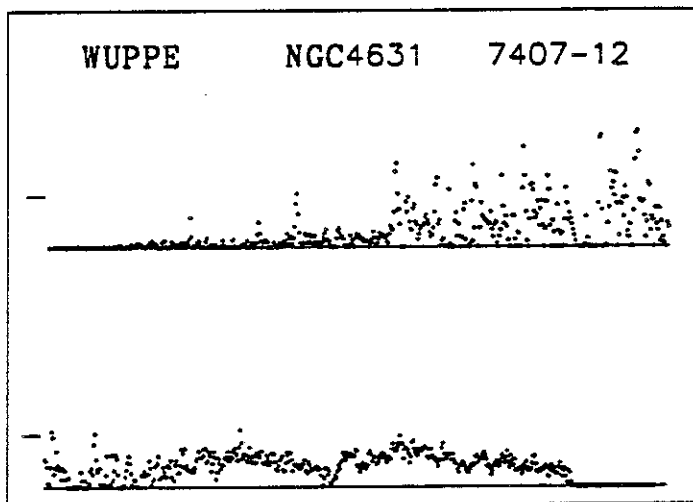
OBJECT: 7407 NGC4631  
KEYWORDS: Edge on spiral galaxy  
COMMENTS:  
Looking for halo emission lines  
(CIV, OVI in particular)  
Slit is aligned with the disk

Observation starts centered on  
the galaxy and moves 90" above it

Simulation is a VERY crude guess

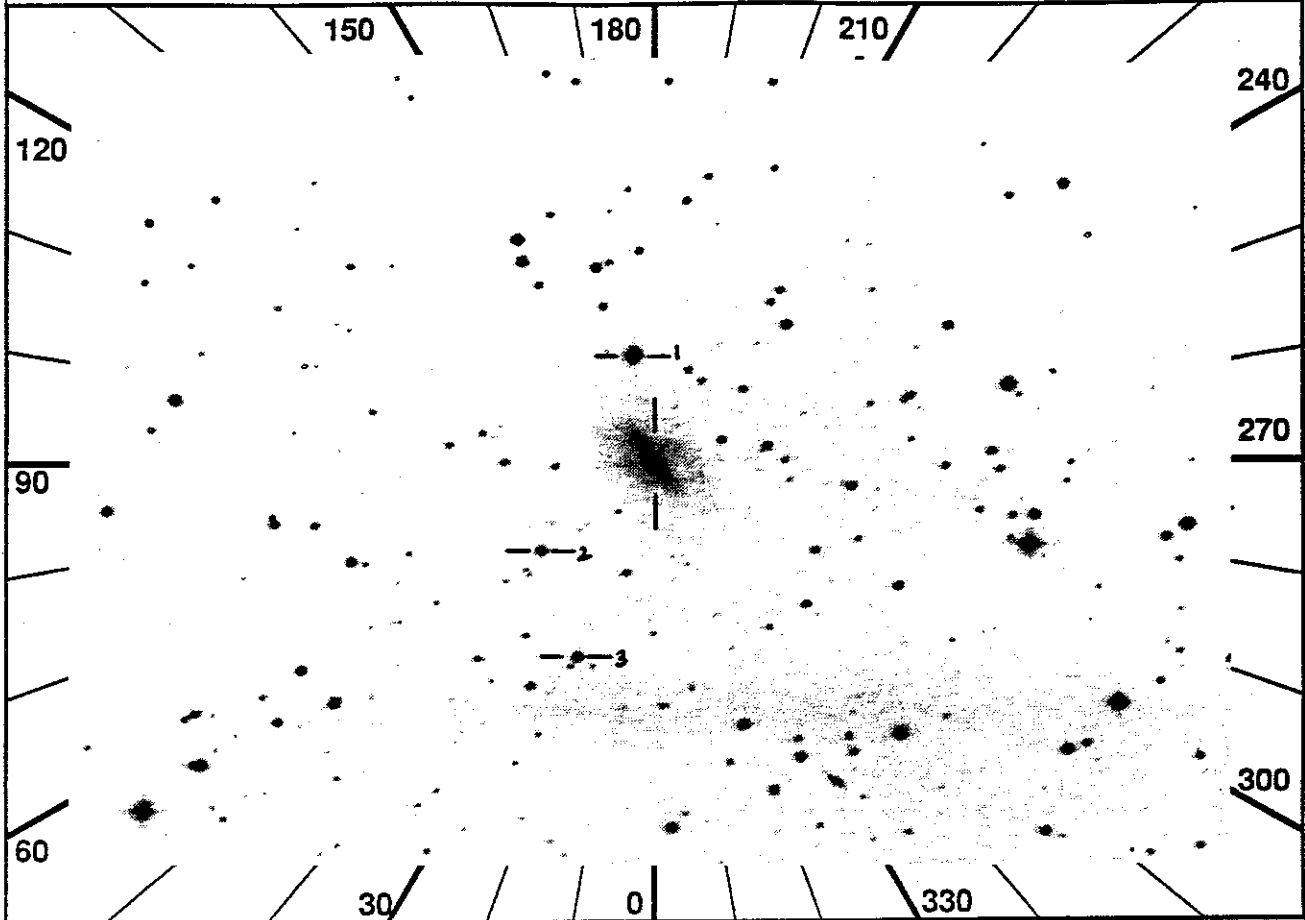


ID: 7407-12  
Names: NGC4631 N4656  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: none expected  
Comments: nucleus spectrum  
IUE data used for simulated  
spectrum is that of NGC1553.



UIT  
Observation Description

1 RA 132.9217 DEC 58.9250 ROLL 143.81 ID 7504-10  
 2 TIME 1265 NAME NGC2685



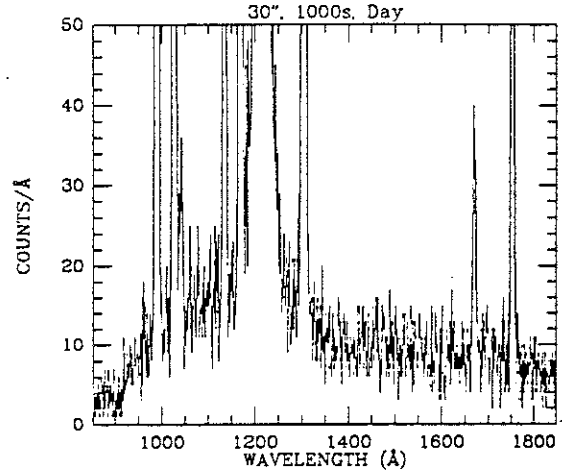
SEQ	LOC	OBS	MAG	LGR	D	A	FM	OF	A	FM	OF	A	FM	OF	ALT1	ALT2
3	H	281	gde sim	15	13	3.6	5	1	4	---	---	---	---	---	MANUAL	
4	W	255	ncn ngd	15	15	1.8		7	4	---	7	4	120	---	NUCLOC	BKG2
5	P	U	213	DT	-	T	F	31	a2	31	a5	31	b5	---		
6	JAC	ITEM 16 0					21	W	*ELSE							
7		Config H W U					22	W	* Config without WUP							
8		-----					23		All BEGIN							
9	JAC	All SETUP					24	W	*IF WUP Deconfig							
10	H	*IF HUT src visible					25	W	* WUP ITEM 11 F +1							
11	H	* HUT ITEM 4					26	W	* Cur/ITEM 6 In fld, zm							
12	H	* HUT PFK cur to src					27	W	* WUP ITEM 4 (Cur off)							
13	W	Chk Stat -LOC -CUR RDY					28	W	* WUP ITEM 7 (Begin)							
14		IMC BEGIN					29	W	* Config with WUP							
15		HUT ITEM 5					30	W	NOTE: WUP last seq = BKG							
16	W	WUP tgt is gal nucleus					31		JOB Observe							
17	W	*IF WUP target visible					32	JAC	All PREVIEW							
18	W	* WUP PFK cur to target					33		All QUIT							
19	W	* WUP ITEM 6 (Cntr)					34		-----							
20	W	* WUP ITEM 4 (Cur off)					35	JAC	ITEM 16_1							

nucleus  
3

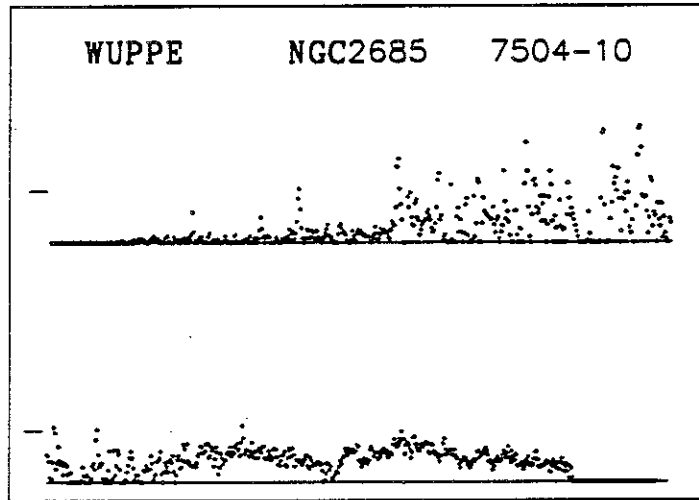
OBJECT: 7504 NGC2885  
KEYWORDS: Peculiar Galaxy  
COMMENTS:

Pointing at the nucleus

Simulation is a VERY crude guess



ID: 7504-10  
Names: NGC2685 A336  
Type:  
% Pol:  
Pol Var:  
Pos Ang:  
Mechanism: non thermal?  
Comments: nuclear pointing  
with a 120" dec offset,  
short background afterward.  
IUE data used for simulated  
spectrum is that of NGC1553.



UIT  
Observation Description