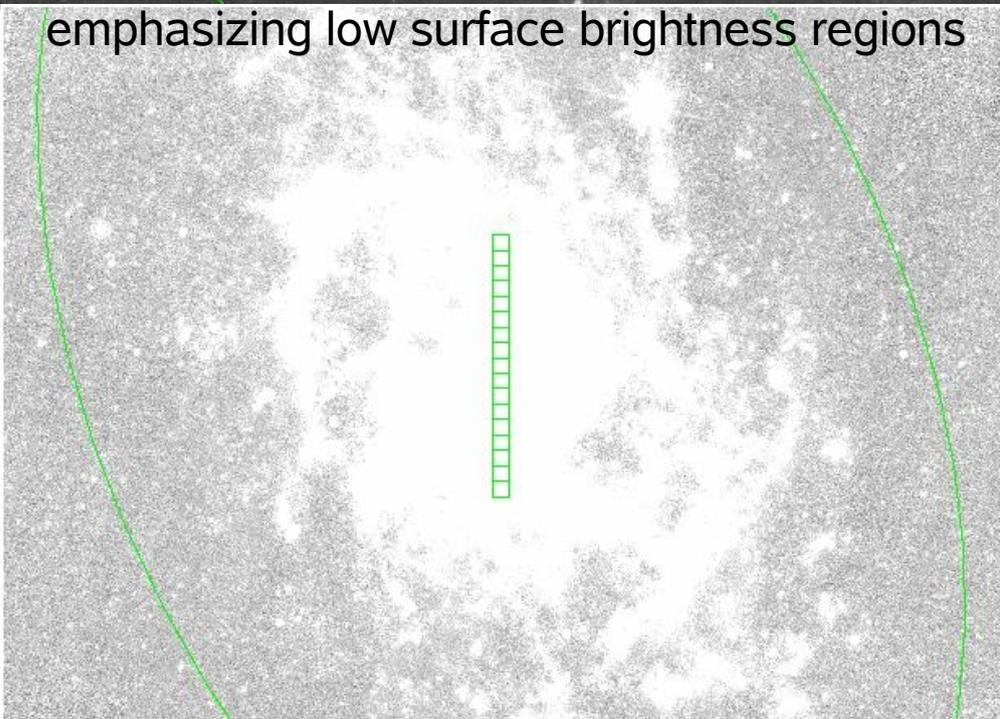


Point source dilution factor=3.5 minimum S/N=5

Box	TIR	$f_v^{\min}=0.3\text{Jy}$	$f_v^{\min}=0.5\text{Jy}$	$f_v^{\min}=0.7\text{Jy}$	$f_v^{\min}=1.0\text{Jy}$				
	10^{-13}W/m^2	#	hrs	#	hrs	#	hrs	#	hrs
1	0.90	3	0.518	3	0.518	3	0.518	2	0.232
2	1.10	3	0.373	3	0.373	3	0.373	3	0.373
3	1.48	4	4.456	3	0.247	3	0.247	3	0.247
4	1.13	3	0.342	3	0.342	3	0.342	3	0.342
5	0.99	3	0.434	3	0.434	3	0.434	3	0.206
6	1.36	4	4.479	3	0.270	3	0.270	3	0.270
7	2.17	6	2.650	4	1.696	3	0.175	3	0.175
8	2.48	6	1.829	4	1.222	3	0.163	3	0.163
9	1.95	6	2.666	3	0.191	3	0.191	3	0.191
10	1.95	6	2.666	3	0.191	3	0.191	3	0.191
11	1.20	3	0.327	3	0.327	3	0.327	3	0.327
12	1.68	6	4.270	3	0.215	3	0.215	3	0.215
13	1.19	3	0.327	3	0.327	3	0.327	3	0.327
14	1.10	3	0.373	3	0.373	3	0.373	3	0.373
15	1.11	3	0.373	3	0.373	3	0.373	3	0.373
16	1.51	4	2.615	3	0.244	3	0.244	3	0.244
17	2.02	6	2.659	3	0.184	3	0.184	3	0.184

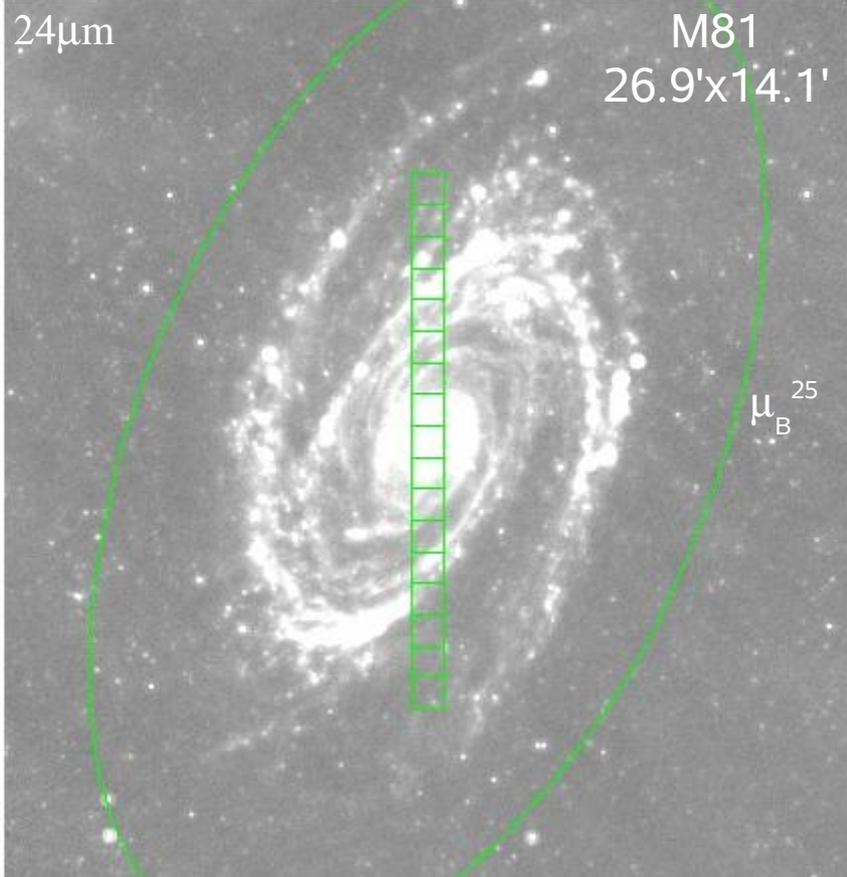


31.4 7.5 4.9 4.4

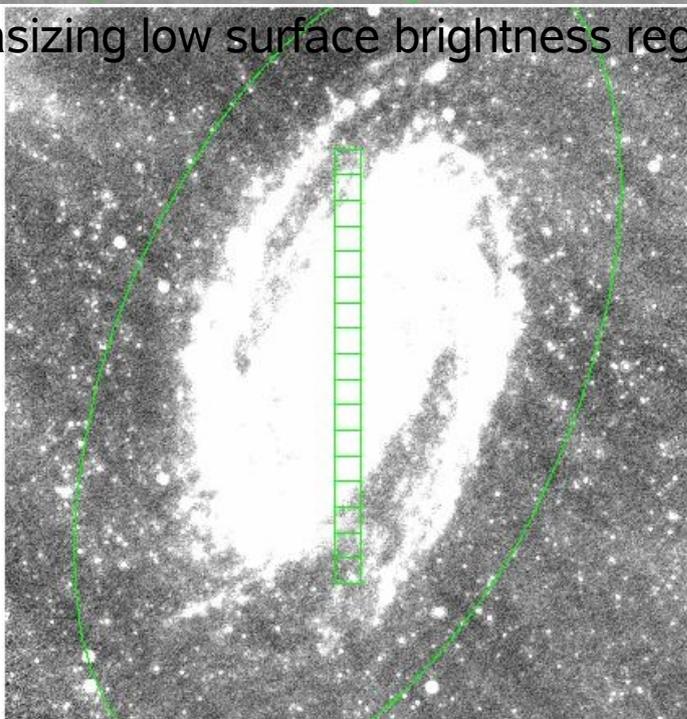
Total integration for
 Regions 1-17: (to $\sim 0.19R_{25}$)

Lines observed
 [CII] $157.7 \sim 3 \cdot 10^{-3}\text{FIR}$
 [OI] $145.5 \sim 2 \cdot 10^{-4}\text{FIR}$
 [NII] $121.9 \sim 3 \cdot 10^{-4}\text{FIR}$
 [OIII] $88.4 \sim 1 \cdot 10^{-3}\text{FIR}$
 [OI] $63.2 \sim 2 \cdot 10^{-3}\text{FIR}$
 [NIII] $57.3 \sim 3 \cdot 10^{-4}\text{FIR}$

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emphasizing low surface brightness regions



Point source dilution factor=3.5 minimum S/N=5

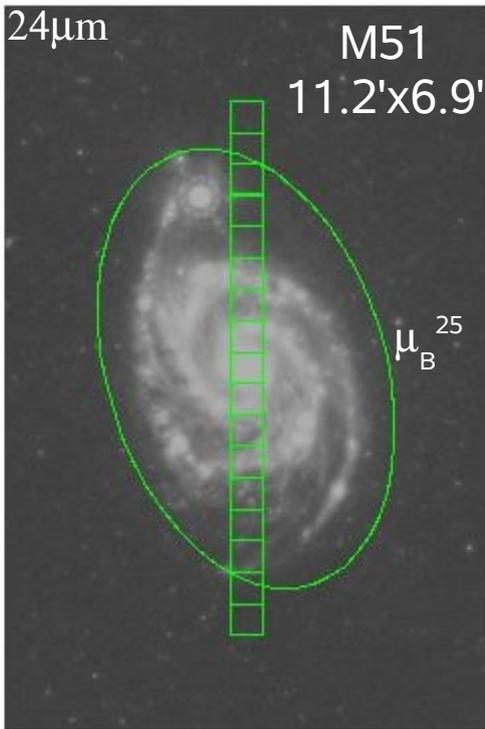
Box	TIR	$f_v^{\min}=0.3\text{Jy}$	$f_v^{\min}=0.5\text{Jy}$	$f_v^{\min}=0.7\text{Jy}$	$f_v^{\min}=1.0\text{Jy}$					
	10^{-13}W/m^2	#	hrs	#	hrs	#	hrs	#	hrs	
	1	0.26	2	1.783	1	0.237	1	0.237	0	0.061
	2	0.35	3	2.933	2	0.951	1	0.158	1	0.148
	3	0.63	3	0.873	3	0.873	2	0.372	2	0.372
	4	1.24	3	0.298	3	0.298	3	0.298	3	0.298
	5	0.94	3	0.446	3	0.446	3	0.446	2	0.218
	6	0.87	3	0.518	3	0.518	3	0.518	2	0.232
	7	0.82	3	0.535	3	0.535	3	0.535	2	0.250
	8	1.36	4	4.479	3	0.270	3	0.270	3	0.270
nuc	9	3.58	6	1.073	6	1.073	4	0.750	3	0.151
	10	1.05	3	0.382	3	0.382	3	0.382	2	0.296
	11	0.71	3	0.698	3	0.698	2	0.327	2	0.327
	12	0.61	3	0.873	3	0.873	2	0.372	2	0.372
	13	0.82	3	0.535	3	0.535	3	0.535	2	0.250
	14	0.47	3	1.719	2	0.600	2	0.600	1	0.117
	15	0.31	2	1.253	2	1.253	1	0.177	0	0.061
	16	0.19	2	2.778	1	0.368	0	0.061	0	0.061
	17	0.42	1	0.499	0	0.061	0	0.061	0	0.061
			12.4	7.1	5.4	3.1				

Lines observed

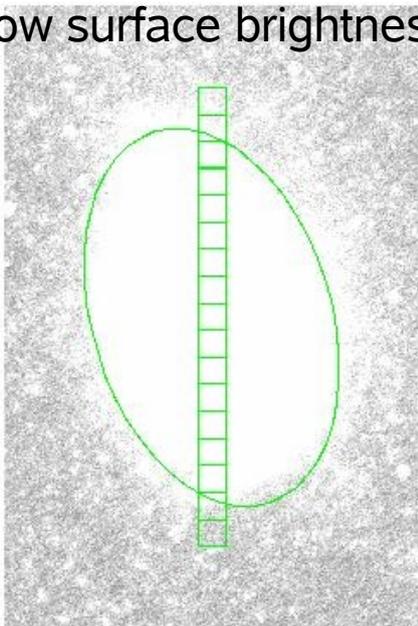
- [CII] 157.7 ~ $3 \cdot 10^{-3}$ FIR
- [OI] 145.5 ~ $2 \cdot 10^{-4}$ FIR
- [NII] 121.9 ~ $3 \cdot 10^{-4}$ FIR
- [OIII] 88.4 ~ $1 \cdot 10^{-3}$ FIR
- [OI] 63.2 ~ $2 \cdot 10^{-3}$ FIR
- [NIII] 57.3 ~ $3 \cdot 10^{-4}$ FIR

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Total integration for
Regions 3-14: (to $\sim 0.35R_{25}$)



emphasizing low surface brightness regions



Point source dilution factor=3.5 minimum S/N=5

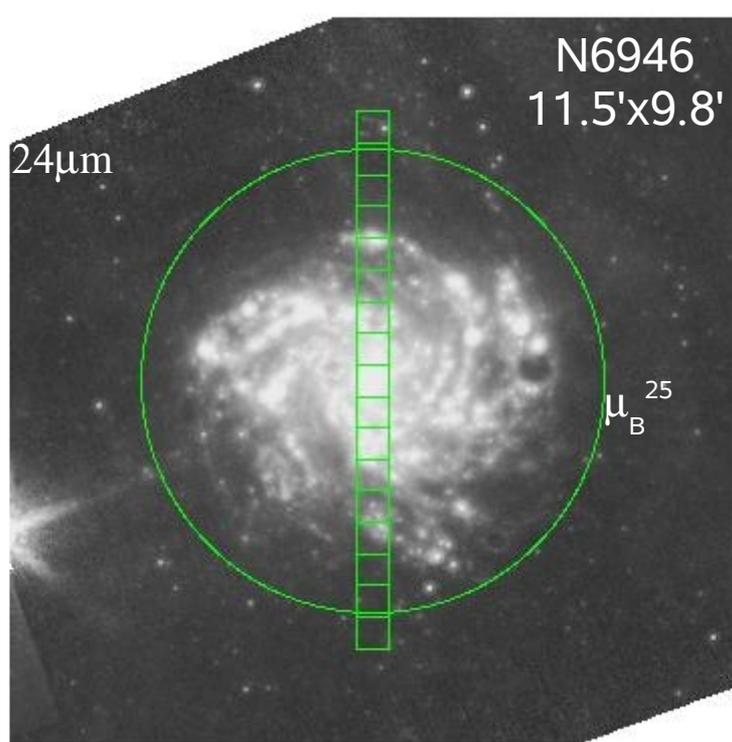
Box	TIR	$f_v^{\min}=0.3\text{Jy}$	$f_v^{\min}=0.5\text{Jy}$	$f_v^{\min}=0.7\text{Jy}$	$f_v^{\min}=1.0\text{Jy}$
	10^{-13}W/m^2	#	#	#	#
1	0.11	1	0.741	0	0.061
2	0.19	2	2.778	1	0.368
3	0.42	3	1.860	2	0.742
4	0.62	3	0.873	3	0.873
5	1.24	3	0.298	3	0.298
6	3.25	6	1.184	6	1.184
7	3.62	6	1.073	6	1.073
8	9.04	6	0.314	6	0.314
nuc	16.91	6	0.243	6	0.243
9	16.91	6	0.243	6	0.243
10	7.92	6	0.348	6	0.348
11	2.77	6	1.831	6	1.831
12	2.24	6	2.645	4	1.690
13	1.01	3	0.434	3	0.434
14	0.57	3	1.147	3	1.147
15	0.36	3	2.919	2	0.937
16	0.15	1	0.499	0	0.061
17	0.04	0	0.061	0	0.061

12.1 9.2 3.7 2.3

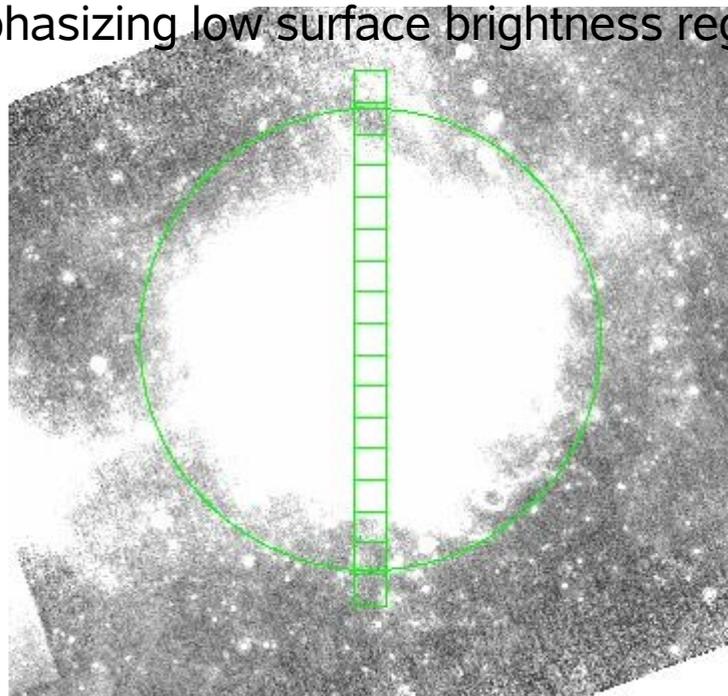
Lines observed

- [CII] 157.7 ~ $3 \cdot 10^{-3}$ FIR
- [OI] 145.5 ~ $2 \cdot 10^{-4}$ FIR
- [NII] 121.9 ~ $3 \cdot 10^{-4}$ FIR
- [OIII] 88.4 ~ $1 \cdot 10^{-3}$ FIR
- [OI] 63.2 ~ $2 \cdot 10^{-3}$ FIR
- [NIII] 57.3 ~ $3 \cdot 10^{-4}$ FIR

Total integration for
Regions 6-15: (to $\sim 0.70R_{25}$)



emphasizing low surface brightness regions



Point source dilution factor=3.5 minimum S/N=5

Box	TIR	$f_v^{\min}=0.3\text{Jy}$	$f_v^{\min}=0.5\text{Jy}$	$f_v^{\min}=0.7\text{Jy}$	$f_v^{\min}=1.0\text{Jy}$				
	10^{-13}W/m^2	#	hrs	#	hrs	#	hrs	#	hrs
1	0.16	2	4.778	1	0.499	0	0.061	0	0.061
2	0.11	1	0.741	0	0.061	0	0.061	0	0.061
3	0.21	2	2.699	1	0.289	0	0.061	0	0.061
4	0.74	3	0.666	3	0.666	2	0.296	2	0.296
5	1.43	4	4.475	3	0.266	3	0.266	3	0.266
6	1.31	4	4.502	3	0.293	3	0.293	3	0.293
7	3.39	6	1.136	6	1.136	4	0.750	3	0.151
8	7.30	6	0.390	6	0.390	6	0.390	6	0.390
nuc	26.68	6	0.241	6	0.241	6	0.241	6	0.241
10	6.31	6	0.448	6	0.448	6	0.448	6	0.448
11	5.06	6	0.609	6	0.609	6	0.609	4	0.422
12	1.92	6	3.518	3	0.192	3	0.192	3	0.192
13	0.98	3	0.434	3	0.434	3	0.434	2	0.206
14	0.69	3	0.829	3	0.829	2	0.327	2	0.327
15	0.22	2	2.699	1	0.289	1	0.289	0	0.061
16	0.13	1	0.741	0	0.061	0	0.061	0	0.061
17	0.09	1	1.262	0	0.061	0	0.061	0	0.061
		16.6		4.8		4.0		2.9	

Lines observed

- [CII] 157.7 ~ $3 \cdot 10^{-3}$ FIR
- [OI] 145.5 ~ $2 \cdot 10^{-4}$ FIR
- [NII] 121.9 ~ $3 \cdot 10^{-4}$ FIR
- [OIII] 88.4 ~ $1 \cdot 10^{-3}$ FIR
- [OI] 63.2 ~ $2 \cdot 10^{-3}$ FIR
- [NIII] 57.3 ~ $3 \cdot 10^{-4}$ FIR

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Total integration for
Regions 5-14: (to $\sim 0.68R_{25}$)