

255704

Premier opératrice ignare ? BOORI

#								
444	SPEC1	o	00 53 45.502	-28 22 21.04	710	0.4701		
445	SPEC2	o	00 53 44.743	-28 23 02.93	712	0.6904		
446	SPEC3	o	00 53 43.985	-28 23 20.53	726	0.2934		
447	SPEC4	o	00 53 43.321	-28 23 32.90	728	A ouis		
448	SPEC5	o	00 53 42.825	-28 25 27.86	725	0.4372		
449	SPEC6	o	00 53 42.508	-28 22 33.40		0.6745		
450	SPEC7	o	00 53 41.821	-28 22 53.39		0.6743		
451	SPEC8	o	00 53 41.509	-28 25 14.04	1.10	0	1.003	Groupes apparent
452	SPEC9	o	00 53 40.015	-28 23 59.30		0.4506		
453	SPEC10	o	00 53 39.329	-28 24 11.19		0.2041		
454	SPEC11	o	00 53 38.466	-28 23 16.92		0.4310		
455	SPEC12	o	00 53 37.846	-28 25 23.53		0.1158		
456	SPEC13	o	00 53 35.980	-28 22 23.11		0.430		
457	SPEC14	o	00 53 35.005	-28 22 33.28		0.45		
458	SPEC15	o	00 53 34.529	-28 24 40.42		0.5345		
459	SPEC16	o	00 53 33.708	-28 22 25.70		0.449		
460	SPEC17	o	00 53 33.298	-28 25 52.76		0.6878		
461	SPEC18	o	00 53 32.407	-28 22 58.06		0.1386		
462	SPEC19	o	00 53 31.987	-28 24 10.40	1.00	0	0.9225	
463	SPEC20	o	00 53 31.287	-28 23 27.08		0.434		
464	SPEC21	o	00 53 29.881	-28 23 22.30		0.5399		
465	SPEC22	o	00 53 28.545	-28 23 32.28		0.1177		
466	SPEC23	o	00 53 27.820	-28 24 23.20		0.4506		
467	SPEC23	o	00 53 26.007	-28 26 04.09		0.3516		
468	SPEC24	o	00 53 25.576	-28 25 40.28		0.4515		
469	SPEC25	o	00 53 25.180	-28 25 39.32		0.451		
470	SPEC26	o	00 53 24.721	-28 23 36.98		0.4347		
	SPEC27	o	00 53 24.205	-28 25 46.92				
471	SPEC28	o	00 53 23.703	-28 25 02.89		0.5043		
473	SPEC29	o	00 53 23.872	-28 25 23.34		0.2504 A		
474	SPEC30	o	00 53 21.654	-28 23 42.17		0.2897		
475	SPEC31	o	00 53 21.203	-28 26 58.75		0.5047		
478	SPEC32	o	00 53 20.481	-28 26 54.93		0.2179		
477	SPEC33	o	00 53 19.663	-28 24 52.35		0.1161		
478	SPEC34	o	00 53 19.255	-28 26 43.72		0.3515		
479	SPEC35	o	00 53 18.573	-28 26 12.30		0.6051		
480	SPEC36	o	00 53 17.961	-28 23 05.69		0.6051		
481	SPEC37	o	00 53 17.130	-28 23 18.53	0.78	3	0.7555	0.7555
482	SPEC38	o	00 53 16.844	-28 22 53.77		0.2555		0.4523
483	SPEC39	o	00 53 16.291	-28 24 45.15		0.2333		0.3303
	SPEC40	o	00 53 15.667	-28 26 14.62				
472	SPEC28a	o	00 53 23.775	-28 25 02.93		0.5044		

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685	SPEC 1a	OII H $\beta$	KH	0.4700
652	SPEC 2a	OII 6306 H 6210 K H8 H9		0.6904
625	SPEC 3a	G 58221 5804 H $\beta$ 6292	n <sub>g</sub> b	0.2934
	SPEC 4	4000 BB 5732 ? 1em 6840 Pines + H $\beta$ ?		0.4689
564	SPEC 5a	H $\beta$ OII HK		0.4372
564	SPEC 6a	OII H H $\beta$		0.6765
508	SPEC 7a	OII H H $\beta$		0.6743
494	SPEC 8a	OII 5406 H 5761 K 5702 <sup>strong</sup> K 7880 H 7958 H 8220		0.493
	SPEC 9	OII K H H $\beta$		0.4506
	SPEC 10	K 5288 S 460 5855 H $\beta$ F N <sub>D</sub> H $\alpha$		0.29, 0.204
		6229 6873 7094 7234 7902		
		26057635 N <sub>D</sub>		

387	SPEC 11a	OII H H $\beta$ faint	H $\beta$ OIII faint	0.4380 ± 0.00
353	SPEC 12a	OII 73264	H $\beta$ OIII 7323 H $\alpha$ H $\gamma$ H $\delta$	0.987, 0.115
329	SPEC 13a	5766 break.	HKG	0.439
295	SPEC 14a		HKG	0.4517
275	SPEC 15a	OII 5723 H	H $\beta$ OIII 5008	0.5345
239	SPEC 16a		HKG H $\delta$	0.4595
24	brillante	SPEC 17a	OII 6293 H K H $\delta$ E+A+OII H10M9H8	0.6878
168	SPEC 18a	H $\beta$ OIII H $\alpha$		0.1386
143	SPEC 19a	Mg II E FA	H II H $\gamma$ H $\delta$ K (H) H $\delta$	0.48 0.922
113 ♀	SPEC 20a	-SPEC 19a	HKG	0.5300
84	SPEC 21a	SPEC 20	OII KH H $\beta$	0.45 0.1177
61	SPEC 22a	SPEC 21 OII HK H $\beta$ OIII	emission 7337 H $\beta$ OIII H $\alpha$ H $\gamma$	0.3506
24	SPEC 23a	SPEC 22	H $\delta$ H $\beta$ OIII OII KH H $\beta$ OIII	multiple comme 12
	SPEC 24a		H $\beta$ OIII	
Roche.	SPEC 25a		HKG H $\delta$ ? G?	0.4515
1ain	SPEC 26a	H $\delta$	large profonde	0.4588
	SPEC 27		H $\beta$ OIII	0.4347
384-85	SPEC 28a 1	bright cont	OII H $\beta$ OIII	?
390-91	SPEC 28a 2	de	OII H $\beta$ OIII	0.5043
	SPEC 29	5788		0.5044
	SPEC 30a			0.2772
	SPEC 31a			0.2897
222	SPEC 32		OIII H $\beta$ AGN-QSO H $\alpha$ H $\gamma$ H $\delta$ enorme	0.5047
	SPEC 33	>v clump redcont		0.2279
	SPEC 34a			0.1161
	SPEC 35			0.3515
	SPEC 36			0.6051
	SPEC 37a	extended OII	OIII H $\beta$ + Balmer abs	0.4668
	SPEC 38		OIII H $\beta$ over OIII OII OIV	0.7655
	SPEC 39		H K OIII H $\delta$ H $\beta$ H $\gamma$ H $\delta$	0.4523
	SPEC 40		extended OII OIII H $\beta$ KM (com OII?)	0.3303
		OIII H $\beta$		?

Nouveau nom SPEC 222 = SPEC 23a  
 SPEC 23 A282C2 Nouveau nom SPEC  
 24 A282C2 SPEC

514 SPEC 23a H $\beta$  OIII

0.3516

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Claudio Cunani

cunani@eso.org 300V

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analyse de 68

von amm.

484 0	SPEC 1 /	00 54 07. 174	-28 21 39.77	0.3241	pg de 62
	SPEC2			bright	
485	SPEC3 /	00 54 09. 467	-28 22 45.26	0.2229	
486 0	SPEC4 /	00 54 04. 942	-28 22 05.23	<del>0.2229</del>	fx vain 726
487 0	SPEC5 /	00 54 12. 652	-28 24 00.70	bright	0.4362
488	SPEC6 /	00 54 08. 399	-28 23 25.20	0.1189	
489	SPEC7 /	00 54 14. 245	-28 25 07.70	bright	
231 L1	SPEC8 /	00 54 02. 174	-28 23 36.22	0.2926	232002
490 0	SPEC9 /	00 54 05. 325	-28 23 41.46	0.2905	
491 0	SPEC10 /	00 54 04. 132	-28 23 40.46	0.2930	
492 0	SPEC11 /	00 54 00. 610	-28 23 14.26	0.2925	
493	SPEC12 /	00 54 03. 870	-28 24 15.84	0.2934	Centre
494 0	SPEC13 /	00 54 02. 530	-28 24 14.47	0.2944	
495 0	SPEC14 /	00 53 57. 889	-28 23 23.08	0.2925	
496 0	SPEC15 /	00 53 58. 509	-28 23 58.22	0.2907	
497 0	SPEC16 /	00 53 59. 196	-28 24 17.62	0.6445	
498 0	SPEC17 /	00 53 55. 015	-28 23 37.44	0.2946	bright
498 02	SPEC18 /	00 54 05. 942	-28 26 22.19	0.6205	
	SPEC19			*	
498 0	SPEC20 /	00 53 53. 910	-28 25 38.37	0.2946	
498 0	SPEC21 /	00 53 53.705	-28 24 32.85	0.2946	
235 L1	SPEC22 /	00 53 59.711	-28 26 11.62	0.2228	0.2947
16 11	SPEC23 /	00 53 57.077	-28 25 50.96	0.247938	0.6298
499 0	SPEC24 /	00 53 52.723	-28 25 08.63	0.61935	
500 0	SPEC25 /	00 53 48.350	-28 24 34.10	0.2935	
501 0	SPEC26 /	00 53 58.566	-28 27 00.75	0.2927	
502 0	SPEC27 /	00 53 57.919	-28 27 03.27	bright	
133 13	SPEC28 /	00 53 46.880	-28 24 53.74	0.656	
503 0	SPEC29 /	00 53 59.216	-28 27 45.85	0.292?	
175 L2	SPEC30 /	00 53 55.433	-28 27 15.61	0.2288	
134 03	SPEC31 /	00 53 46.954	-28 25 44.89	0.4188	
504 0	SPEC32				
504 0228	SPEC33 /	00 53 55.528	-28 28 06.25	0.2942	
	SPEC34			*	
223 L2	SPEC24	00 54 03.820	-28 27 44.83		

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486 - 518

255728 Bright1 60R11 mpu 163

16.8PS

<del>OK</del>	SPEC1	K H & H $\beta$ E HB	bright	0.3241 <del>5</del>
	SPEC2			
	SPEC3			0.2729 <del>5</del>
	SPEC4			0.135 <del>7</del>
	SPEC5	broadabs 5698		
	SPEC6		H $\beta$ Ngb NaD H $\alpha$ abs.	0.1169 <del>5</del>
	SPEC7	Rekt-etc	OII large G-band OIII large Ngb	? <del>4</del>
	SPEC8	S	Mg H $\beta$ Fe43 H $\beta$ Ngb	0.2926 <del>31</del>
	SPEC9		G H $\beta$ Ngb E Fe43 Fe45	0.2905 <del>31</del>
	SPEC10		G H $\beta$ Ngb E Fe45	0.2930 <del>31</del>
	SPEC11		G H $\beta$ Ngb Fe43 Ca44 Fe45 E	0.2925 <del>31</del>
	<u>SPEC12</u>		G H $\beta$ Ngb E Fe43 central Ca44 Fe45	0.2936 <del>34</del>
	SPEC13		G H $\beta$ Ngb Fe43 Fe45 Fe50 E	0.2944 <del>31</del>
	SPEC14		G H $\beta$ Ngb E Fe43 Fe45	0.2925 <del>31</del>
	SPEC15	S	G Fe45 H $\beta$ Ngb E	0.2907 <del>31</del>
	SPEC16		OII H $\beta$ K H	0.6445 <del>5</del>
	SPEC17		G H $\beta$ Ngb Fe43 Ca44 Fe45 E	0.2946 <del>31</del>
	<u>SPEC18</u>		OIII ? H $\beta$ OII SCOT	0.6205 <del>4</del>
+2 COORI	SPEC19			
	<u>SPEC20</u>		G H $\beta$ Ngb E	0.2956 <del>5</del>
	SPEC21		G H $\beta$ Ngb E Fe43	0.2987 <del>31</del>
	SPEC22		OII OIII H $\beta$	0.6398 <del>5</del>
	SPEC23		central abs. 5698 OII OIII H $\beta$	0.42935 <del>?</del>
	SPEC24			
	SPEC25		H $\beta$ Mg b E Fe45 (Fe43) H $\beta$	0.2935 <del>1</del>
	SPEC26		H $\beta$ Ngb E	0.2927 <del>6</del>
	SPEC27			
	SPEC28			
	SPEC29		OII Mg b E	0.2956 0.655
	SPEC30		OIII H $\beta$ H $\alpha$	0.2922 <del>3</del>
	SPEC31	*	OII H OIII SCOT faint	0.2288 <del>3</del>
	SPEC32			0.4188 <del>4</del>
	SPEC33		H $\beta$ Mg b E	0.2942 <del>6</del>
	SPEC34	*		

SL Release 4  
Scientific Linux 2.6.9-11

Err Abs.

1 noise	0.001
2 noises	0.0007
3 noises	0.0006
4 noises	0.0005
5 noises	0.00045
6 noises	0.0004
7 noises	0.0004

1 noise	0.0007
2 noises	0.0005
3 noises	0.0004
4 noises	0.00035
5 noises	0.0003

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EW

#	SPEC1	rien						
0 505	SPEC2	00 54 07.695	-28	25 16.83	-0.12	0.6861	11	
0 513	SPEC3	00 54 05.977	-28	25 15.32	0.25	0.6366	12	
498	SPEC4	00 53 58.834	-28	25 38.49				
149	SPEC5	00 54 13.156	-28	24 22.90		0.4371	bright	
0 506	SPEC6	00 54 05.938	-28	24 44.03		0.293?		
37	SPEC7	00 54 15.045	-28	23 58.20	0.689			
487	SPEC8	00 54 12.525	-28	24 01.23	0.4362	(bright)		
0 507	SPEC9	00 54 12.945	-28	23 55.69	0.447?	bright		
0 508	SPEC10	00 54 10.615	-28	23 55.70	0.4465	bright		
0 509	-	SPEC11	00 54 03.389	-28	24 14.15	0.2929		
489	500	-	SPEC11a	00 54 03.351	-28	24 12.80	0.2935	
? 510	-	SPEC11b	00 54 03.287	-28	24 10.78	0.294	0.2929	
210	SPEC12	00 54 03.032	-28	24 00.71	0.2932	0.2929	0.2929	
0 512	SPEC13	00 54 02.969	-28	23 52.98	0.2930			
490	SPEC14	00 54 04.025	-28	23 41.05	0.2930			
46	SPEC15	00 54 07.805	-28	23 19.72	0.2931?			
513	SPEC16	00 54 00.181	-28	23 38.20	0.2865			
485	SPEC17	00 54 09.364	-28	22 45.88	0.2727			
495	SPEC18	00 53 57.808	-28	23 23.33	0.2925			
206	SPEC19	00 53 59.972	-28	23 07.71	0.5041			
232	SPEC20	00 54 10.153	-28	22 19.84	0.4071			
516	SPEC21	00 53 51.673	-28	23 27.25		*	bright	
204 516	SPEC22	00 53 53/51.772	-28	23 16.38		tearosestar		
486	SPEC23	00 54 04.840	-28	22 06.58	0.2955			
→ 516	SPEC24	00 54 07.092	-28	21 33.66	0.0746	Geminus lins.		
517	SPEC25	00 54 05.031	-28	21 29.80	0.1838			
0 518	SPEC26	00 54 01.518	-28	21 23.29	0.2918			
0 519	SPEC27	00 54 00.903	-28	21 15.73	0.4473	enorme		
0 520	SPEC28	00 54 01.251	-28	21 03.89	0.4467			
520	SPEC29	00 53 51.138	-28	21 28.55		defect diff proche.		
139 522	SPEC30	00 54 04.515	-28	20 20.05		?		
0 523	SPEC31	00 53 53.017	-28	20 55.94	0.4475	bright NS		
0 524	SPEC32	00 53 52.256	-28	20 40.43	0.06871	mag E		
632 525	SPEC33	00 54 08.550	-28	19 29.92	0.23947			
0 525	SPEC34	00 53 48.265	-28	20 38.65	0.4475			
0 526	SPEC35	00 53 53.104	-28	20 08.44	0.4511	bright		
135 526	SPEC36	00 54 00.012	-28	19 20.22	0.6238	bright E		
526	SPEC37	00 53 54.440	-28	19 38.60	0.435	bright S		
526	SPEC38	00 53 53.849	-28	19 30.03	0.4485	bright E		

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0.29 1.19 19.6  
 0.43 1.22 17.9  
 0.65 1.14 19  
 0.9 1.07 6.0

118 116.2 106.7<sup>15</sup>  
P1

Kereni position

1	00 54 06.702	-28 24 17.28	SL EW	0.5538	48(2)
2	00 54 07.190	-28 26 51.07		0.3447	
3	00 54 06.852	-28 25 24.97	0.33	0.6866	
4	00 54 05.251	-28 24 32.89	0.84	0.6860	48(5)
			ICLs		
5	00 54 01.710	-28 23 21.83	*		48(7)
7	00 54 02.260	-28 25 47.08	0.3234		48(8)
8	00 54 00.147	-28 22 06.37	*		48(9)
9	00 54 00.468	-28 24 22.92	0.292		
10	00 54 00.522	-28 25 55.51	*		48(11)
11	00 53 59.285	-28 23 41.35	0.34	0.6227	48(12)
12	00 53 58.942	-28 23 28.50	*		
13	00 53 58.179	-28 22 57.50	-0.46	36 1.1584	48(14)
14	00 53 57.434	-28 23 04.55	0.22	17 0.6341	48(15)
15	00 53 57.249	-28 25 00.57	-0.10	32 0.6295	48(16)
16	00 53 57.075	-28 25 51.20	0	30 0.6035	48(17)
17	00 53 56.863	-28 26 22.95	0.33	0.4854	48(18)
18	00 54 26.073	-28 25 15.73	0.4841		48(19)
19	00 54 25.730	-28 28 04.60	0.4493		48(20)
20	00 54 24.063	-28 22 40.04	brillant	<0.12?	
21	00 54 23.069	-28 22 10.19	-0.13	58 0.6028	48(24)
22	00 54 22.573	-28 22 29.09	0.66	50 0.792	48(25)
23	00 54 23.591	-28 26 06.25	specular edge on	*	48(26)
24	00 54 21.610	-28 22 39.05	0.4481		48(27)
25	00 54 22.494	-28 26 25.15	0.08	11 0.776	48(28)
26	00 54 21.613	-28 25 00.76	0.4148		48(29)
27	00 54 20.198	-28 23 40.40	0.4490		48(30)
28	00 54 20.717	-28 26 17.35	*		
29	00 54 19.898	-28 26 12.82	0.2904		
30	00 54 19.189	-28 26 07.53	0.31	5 0.6325	.
31	00 54 17.229	-28 22 49.39	0.4536		
32	00 54 18.073	-28 26 21.89	bright E	0.4481	SL EW
33	00 54 17.938	-28 26 21.89	bright E	0.6312	0.43 0
34	00 54 17.652	-28 26 34.36	bright E	0.4484	
35	00 54 17.136	-28 26 07.66	bright strong O.II	0.8222 -0.11	31
36	00 54 16.391	-28 25 52.55	0.77	0.6890	• 11
37	00 54 15.158	-28 23 58.17	*		48(40)
38	00 54 14.151	-28 23 13.45	2.323		48(41)
39	00 54 13.019	-28 23 00.61	0.09/26	0.6452	48(42)
40	00 54 13.230	-28 25 35.80	0.4465		48(43)
41	00 54 11.417	-28 24 19.46	0.6306		48(44)
42	00 54 11.358	-28 25 04.05	0.85	0.1173	48(45)
43	00 54 10.108	-28 23 52.92	0.02	0.8260	48(46)
44	00 54 08.698	-28 22 48.38	0.2929		(48) 8(47)
45	00 54 09.668	-28 26 43.56			
46	00 54 07.912	-28 23 19.62			

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48	SPEC1	OII	Brilliant H8 K4	0.554?
48	SPEC2	H	K G H $\beta$	0.3547
48	SPEC3	OII	H K H $\gamma$ H $\beta$ (OIII 5007)	0.6866
□ (5) 48	SPEC4 2D	<del>OII</del>	H K G H $\gamma$	0.6857
	SPEC5	ICLS		
(2) 48	SPEC6			
(3) 48	SPEC7	OII	weak brilliant	0.3234
(9) 48	SPEC8	H $\beta$ OIII	H $\alpha$	0.2927
	SPEC9 2D	<del>OII</del>	H K (auror H8 H $\gamma$ )	
(11) 48	SPEC10			
(12) 75 48	SPEC11 2D			0.627
160 48	SPEC12 2D			0.2449
127	SPEC121 = SPEC13 2D	OII	(H8? em) H $\beta$ em H $\beta$ em	0.689
95	SPEC14 2D	OII	(Hd non pas HK) OIII pinko, B2?	0.7163 0.115
□ 09 48	SPEC15 2D	OII	H K (OIII 5007)	0.634
□ 41 48	SPEC16	OII	<del>H<math>\beta</math></del> OIII 5007 H $\beta$ H	0.6295 0.6300
□ 17 48	SPEC17	OII	OIII H $\beta$	0.6033
□ 50A1B1(20)	SPEC18m	=	HK H $\gamma$ G	0.6854
	SPEC19	#	HK H $\delta$ H $\alpha$ H $\gamma$ H $\delta$	0.6841
(22) 48	SPEC20	=	OII K H H $\beta$ (OIII 5007)	0.6493
	SPEC21	#	brillante rien vu	0.68 < 0.12
(24) 48	SPEC22	=	OII <del>H</del> H H $\beta$ (OIII 5007) H $\gamma$ e	0.6038
□ (25) 48	SPEC23m	=	<del>H</del> spiral edge rien	0.792
□ (26) 48	SPEC24m	=	OII <del>H</del> H G	0.62?
(27) 48	SPEC25	=	OII H $\gamma$ H H	0.6881
(28) 48	SPEC26	=	OII H $\beta$ OIII	0.775
(29) 48	SPEC27	=	OII H $\beta$ OIII	0.6148
□ (30) 48	SPEC28m	=	OII H $\beta$ K G	0.4493 0.22806
	SPEC29	#	rien ~ 0.4-0.5	0.6
	SPEC30	#	H $\beta$ K H H $\gamma$ H $\delta$ e	0.2904
	SPEC31	#	OII K H	0.6325
	SPEC32	#	OII H $\gamma$ H $\beta$ OIII	0.6535
	SPEC33	#	HK G H $\beta$	0.6881
	SPEC34	#	HK H $\gamma$ G 4000A break invivable.	0.6312
	SPEC35	#	H $\beta$ H K G H $\beta$	0.6584
	SPEC36	#	H $\beta$ H K G H $\beta$ OII H $\beta$ OIII negatif OII OIII	0.8222
	SPEC37	#	H K H $\beta$ OII H K 4000A break invivable	0.6890
	SPEC38	=	rien	
□ (41) 48	SPEC39m	=	broad band em STFT CIV CIII (broad)	2.323
(42) 48	SPEC40	=	OII H $\beta$	0.644
(43) 48	SPEC41	=	OII H H $\beta$	0.6818
(44) 48	SPEC42	= OII?	H K H $\beta$ H $\gamma$	0.632
(45) 48	SPEC43	=	H $\beta$ OIII H $\alpha$	0.1174
(46) 48	SPEC44m	=	OII H $\beta$ H $\gamma$ H $\delta$	0.8260
(47) 48	SPEC45	=	OII? em? à 8718	0.2928
	SPEC46	#	OII H H K H $\beta$ em H $\delta$	

50C1 SMAX reduced

50D1 SMAX reduced

stacked

SPEC3 = 127

SPEC121 2D

OII H $\beta$  H $\gamma$ 

0.6895

118 1142 106. f. 5(1).

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Object

#	1	00 54 26.075	-28 25 15.50	
	2	00 54 25.531	-28 25 09.27	
	3	00 54 24.025	-28 22 39.88	
Revise	4	00 54 24.232	-28 24 25.27	
	5	00 54 22.566	-28 22 29.18	
? 47	1	00 54 07.331	-28 25 03.76	
	2			
o 48	3	00 54 06.948	-28 26 22.24	
o 49	4	00 54 05.518	-28 24 24.96	
	5			
	6			
	7			
	8			
	9			
N 50	10	00 54 00.659	-28 24 16.88	
78	11			
	12			
	13			
	14			
	15			
o 51	16	00 53 57.707	-28 24 50.37	
	17			
	18			
	19			
	20			
52	21	00 54 25.528	-28 25 09.30	brilliant abs. * high?
	22			(0.660)
53	23	00 54 24.267	-28 24 52.31	brilliant abs. * (0.6028)
	24			-0.35 32 (0.6028)
	25			0.75 0 (0.792)
26				spiral edge on -4 (0.6688)
27				0.35 16 (0.775)
28				50(25) (0.4150)
29				50(27) (0.449)
30				50(28)
54	31	00 54 19.014	-28 22 59.08	brilliant abs.
	32	00 54 19.896	-28 26 12.69	abs.
o 55	33	00 54 19.227	-28 26 16.98	bright 0.4497
	34	00 54 19.0334	-28 22 37.67	*
.	35	00 54 17.967	-28 26 12.17	0.2179
o 58	36	00 54 16.074	-28 22 50.02	1.20 0 0.6322
o 59	37	00 54 15.883	-28 23 35.12	-0.14 11 * 0.890
60	38	00 54 16.610	-28 25 56.32	
o 61	39	00 54 16.095	-28 26 15.72	S & lame 0.4860
	40			*
	41			(2.323)
	42			(0.6653)
	43			(0.4465)
	44			(0.6306)
	45			(0.1172)
	46			(0.08268)
	47			
o 62	48	00 54 17.881		0.3236

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(1)	SPEC1	9.	<del>OII</del> HK (Ngb)		0.2925
(2)	SPEC2	50(1)	<del>OII</del> HK		0.5538 -
(3)	SPEC3		OII MGH Hβ OIII		0.6198
	SPEC4		OII H H	OIII	0.6864
	SPEC5	50(4)	OII HK G Hβ		0.6862 -
	SPEC6	98	I CLD		
	SPEC7	50(6)		SPEC 5-4	
□	SPEC8	50(7)	OII Hβ OIII Ha	SPEC 7-6	SO 0.3234 -
□	SPEC9	50(8)		SPEC 9-8	SO 0.2893
	SPEC10	+	HKG (Hβ)	SPEC11_10	SO 0.627 -
□	SPEC11	50(10)	OII H	SPEC12_11	
□	SPEC12	50(11)			
	SPEC13	90			
(14)	SPEC14	50(13)	OII He Hδ Hβ		0.6887 -
	SPEC15		trans. OII ? <del>He Hδ Hβ</del> OIII H9	SPEC15-14	1.1584 -
□	SPEC16		OII OIII HK		0.6308
□	(15) 50	SPEC17	OII K <del>HK</del> Hβ		0.6341 -
□	(16) 50	SPEC18	OII Hβ <del>OIII</del> OIII		0.6298 -
□	(17) 50	SPEC19	OII OIII Hβ		0.6038 -
□	(18) 50	SPEC20	=		0.485 -
	SPEC21	#			
(20) 50	SPEC22	=	OII Hβ OIII		0.486 -
	SPEC23	#			<0.12 % 66
(22) 50	SPEC24	=	OII K		0.602 -
□	(23) 50	SPEC25	=	KH	0.792 -
□	(24) 50	SPEC26	C		
(25) 50	SPEC27	=	OII H + Hβ (OIII 5007)		0.4488 -
(26) 50	SPEC28	=	OII H10 H9		0.775 -
(27) 50	SPEC29	=	OII Hβ OIII H9 H		0.4150 -
(28) 50	SPEC30	R&G	= HK		0.449 -
	SPEC31	#	*		
(29) 50	SPEC32	#	HK Hδ G		0.4897
	SPEC33	#	*		
	SPEC34	#	HK G Ngb		0.2170
	SPEC35	#	HK Hβ		0.6322
	SPEC36	#			
	SPEC37	#			
	SPEC38	#			
	SPEC39	#			
(30) 50	SPEC40		OII HK Hβ C H10 H9 H8		0.4860 -
(31) 50	SPEC41		broad am 5158 et 6333. CIV CIII		2.323
(40) 50	SPEC42		OII KH H10 H9 Hδ		0.6452
(41) 50	SPEC43		OII <del>He Hδ Hβ</del> H9 H8 H Hδ		0.6465
(42) 50	SPEC44	#	<del>He Hδ Hβ</del> OII H10 H9 H8 H Hδ		0.6306
(43) 50	SPEC45		Hβ OIII Hα		0.1171
(44) 50	SPEC46	R&G	OII H9 H8		0.8268
(45) 50	SPEC47				
	SPEC48		HK G H8 Hδ Hβ		0.3236
			wen.		