

255708

#			Slope	Slope	E
407 o	SPEC20	00 54 36.238	-28 33 06.20	0.6366	1.11 0
408 o	SPEC21	00 54 47.390	-28 30 19.62	0.645	0.50 16
409 o	SPEC22	00 54 32.718	-28 33 23.87	0.5574	
410 o	SPEC23	00 54 42.835	-28 31 02.31	0.1841	
410 o	SPEC24	00 54 36.105	-28 32 17.05	*?	
410 o	SPEC25	00 54 30.153	-28 33 29.38	0.641	1.15 0
411 o	SPEC26	00 54 35.528	-28 32 04.09	0.5058	
412 o	SPEC27	00 54 30.511	-28 32 54.15	dans groupe	0.4195
413 o	SPEC28	00 54 31.232	-28 32 38.91	dans groupe	0.4194
414 o	SPEC29	00 54 36.317	-28 31 10.77	brillante!	0.9052
415 o	SPEC30	00 54 29.280	-28 32 13.24	0.075	
416 o	SPEC31	00 54 28.629	-28 32 11.92	0.7249	-0.10 28
417 o	SPEC32	00 54 28.266	-28 31 40.88	0.3630	
418 o	SPEC33	00 54 24.963	-28 32 08.06	0.2942	
419 o	SPEC34	00 54 39.600	-28 28 46.01	0.4230	
420 o	SPEC35	00 54 37.188	-28 29 00.33	0.6350	-0.20 20
421 o	SPEC36	00 54 34.123	-28 29 31.32	0.0426	
422 o	SPEC37	00 54 34.806	-28 29 03.70	0.4763	
423 o	SPEC38	00 54 26.454	-28 30 21.89	0.6933	0.28 14
424 o	SPEC39	00 54 22.809	-28 30 57.64	0.8368	-0.43 80
425 N	SPEC40	00 54 28.581	-28 29 33.79	0.249	

			Slope EW	
426 N	SPEC1	00 54 29.884	-28 28 30.70	*
427 o	SPEC2	00 54 29.360	-28 28 21.66	0.3248
428 o	SPEC3	00 54 26.194	-28 28 44.31	0.5833
429 o	SPEC4	00 54 29.582	-28 27 41.67	0.4523 → 0.5 ext comp 0.825
430 o	SPEC5	00 54 17.606	-28 30 08.90	*
431 o	SPEC6	00 54 25.505	-28 28 09.34	1.25 0.95
432 359	SPEC7	00 54 26.081	-28 27 49.34	-0.22 26.95
433 o	SPEC8	00 54 18.145	-28 29 19.39	0.10 9
434 N	SPEC9	00 54 25.503	-28 27 34.11	0.9051
435 o	SPEC10	00 54 19.046	-28 28 51.77	0.4477.
436 o	SPEC11	00 54 20.470	-28 28 20.94	?
437 o	SPEC12	00 54 20.055	-28 28 12.37	+ faint C G33 0.3358
438 o	SPEC13	00 54 27.014	-28 26 25.79	+ bright C G33 0.3365
439 o	SPEC14	00 54 15.724	-28 28 43.47	0.4483
440 o	SPEC15	00 54 22.144	-28 27 06.78	0.2726
441 o	SPEC16	00 54 10.852	-28 29 20.40	0.4920
442 o	SPEC17	00 54 16.156	-28 28 02.77	0.2978
443 o	SPEC18a	00 54 19.825	-28 27 04.19	0.689
443 o	SPEC18b	00 54 19.915	-28 27 05.14	0.2921
	SPEC19	00 54 21.547	-28 26 33.11	0.812
	SPEC20			0.4500

Pavement 10 cfr - recouvrement 1.00 m

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SW2

22. jpg

band

646 (SPEC20)	KH	G	Hβ	0.6366)
SPEC21	KH	G	Hβ	0.645
SPEC22	OII	H8	H Hβ	0.5584
SPEC23	OIII	Hβ	Hβ	0.184
SPEC24	KH	G		?
SPEC25	OII	KH	H8 H5	0.641
SPEC26	H G	G	K dans 5550	0.5058
SPEC27	OII	H10 H9 H		0.4196
SPEC28	OII	H10 H9 H		0.4194
SPEC29	OII	H11 H10 H9 H8 H H5	weak 2800Å at 5330 Fe25	0.9052 Dm
SPEC30	Hd	OIII		0.075
SPEC31	OII	Hβ OIV	region d'em dans le disque.	Template
SPEC32	KH G Hβ		2800Å at 4830	0.7249
SPEC33	OII	H9 KH H5 abs Hdem		0.3630
SPEC34	OII	H10 H9 KH H5		0.4238
SPEC35	OII	H11 H10 H9 KM	Ng II	0.6350
SPEC36	Hβ OIII Hd		extension (zone ext. & comp?)	0.0426
SPEC37	OII	KH H8		0.4763
SPEC38	Hg II	OII H8 KH	6IV 5000	0.6933
SPEC39	Hg II	OII Hβ OIV	8 yes. H8	0.8368
SPEC40	KH			0.249

centre

20 band SPEC1

↓	SPEC2	OII	KH	strike.
	SPEC3	OII	KH H5	
	SPEC4	Hg II	OII faible H9 K	OII extended → comp.
	SPEC5			bright stellar?
	SPEC6 (Hg II)	K? H	G	2800Å abs at 5450
	SPEC7 (Hg II)	OII	(2800Å abs at ~ 5460 faible)	0.948 0.951
	SPEC8 (Hg II)	OII H	2800Å abs at 5335 Fe25	0.9051
	SPEC9	KH	Hβ G	0.467
	SPEC10		comp + extended em at 7915Å	?
	SPEC11	OII	Hβ OIII Hd	0.3358
	SPEC12	OII	KH Hβ OIII Hd	0.3365
	SPEC13	Bf	H9 H8 KH	0.4483
	SPEC14	OII	Hβ OIV Hd	0.272
	SPEC15	KH G		0.4920
	SPEC16	KH		0.2978
	SPEC17	Hg II	OII H	0.689 0.810
48	SPEC18a		KH H9	0.2921
etc... 49	SPEC19	KH	profonds G Hβ	0.450

56 SPEC18 b Hg II OII ? K? no continu

0.812

band.

#

235712

a

0 323	SPEC1 SPEC2 SPEC3 SPEC4	00 54 —	41.331	-28 21 02.94	Slope EW 0.675	Z
0 324	SPEC5	00 54	48.267	-28 21	32.78	1.201 0.675
325	SPEC6	00 54	45.257	-28 21	38.56	0.273
326	SPEC7	00 54	38.244	-28 21	48.48	0.2382
0 327	SPEC8	00 54	44.565	-28 21	55.95	0.724
N 328	SPEC9	00 54	32.250	-28 22	07.01	0.051 0.2899
N 329	SPEC10	00 54	28.915	-28 22	16.81	0.43?
330	SPEC11	00 54	25.526	-28 22	23.29	bright
	SPEC12	—				—
	SPEC13	—				—
0 331	SPEC14	00 54	36.827	-28 22	57.74	0.4031
0 332	SPEC15	00 54	28.821	-28 23	15.38	0.563
333	SPEC16	—				—
333	SPEC17	00 54	29.940	-28 23	28.91	0.673
0 334	SPEC18	00 54	35.469	-28 23	36.56	0.518?
	SPEC19	—				—
0 335	SPEC20	00 54	45.373	-28 23	52.55	1.201 0.5835
0 336	SPEC21	00 54	45.554	-28	24 03.28	0.530
	SPEC21b	—				—
0 337	SPEC22	00 54	42.263	-28	24 09.52	-0.10200.583
0 338	SPEC23	00 54	46.882	-28	24 19.30	0.700 0.583
0 339	SPEC24	00 54	42.402	-28	24 22.01	-0.07130 0.583
	SPEC25	00 54	42.175	-28	24 32.25	—
0 341	SPEC26	00 54	44.361	-28	24 55.88	0.664 0.586
0 342	SPEC28	00 54	46.184	-28	25 02.51	0.58?
0 343	SPEC28A	00 54	45.987	-28	25 11.55	0.546 0.582
	SPEC30	00 254226790	—	28 25 15.47m	—	
N 344	SPEC31	00 2542372669	00 54 37.690	-28 25 24.45	0.518	
	SPEC32	00 254243.805	—	28 25 32.48	—	
0 345	SPEC33	00 54	35.878	-28 25 38.77	0.563	
346	SPEC34	00 54	27.777	-28 25 43.53	0.8493.845	
347	SPEC35	00 54	47.904	-28 25 51.38	—	
0 348	SPEC36	00 54	46.859	-28 24 48.81	0.363	
0 349	SPEC37	00 54	29.186	-28 25 57.67	—	
0 350	SPEC38	00 54	42.007	-28 26 06.98	0.79?	
0 351	SPEC39	00 54	41.176	-28 26 14.11	0.4837	
352 394	SPEC40	00 54	33.375	-28 26 20.56	0.890 0.583	
0 353	SPEC41	00 54	33.520	-28 26 32.12	0.215 0.81?	
	SPEC42	—		-28 26 39.97	—	
0 354	SPEC43	00 54	41.416	-28 26 53.63	-0.154 0.594	
0 355	SPEC44	00 54	33.594	-28 27 01.75	1.051 0.694	
356	SPEC45	00 54	41.797	-28 27 09.57	—	
357 392	SPEC46	00 54	30.979	-28 27 15.71	0.403 0.734	
0 358	SPEC47	00 54	35.717	-28 27 27.06	1.151 0.584	
359 390	SPEC48	00 54	25.93	-28 27 33.75	0.445	
0 360	SPEC49	00 54	40.420	-28 27 41.37	0.485	

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air mass = 1.4

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SPEC 1	nien					0.475
SPEC 2	O II					—
SPEC 3	nien					—
SPEC 4	nien					—
SPEC 5	K H K _B					0.675
SPEC 6	O II	M I O H _A H _B H H _S H _B e O III H _A				0.2734
SPEC 7	O II	H _A K H O III 5007 H _A				0.2382
SPEC 8	O II					0.724
SPEC 9	O II	O III (H _A ?)				0.289
SPEC 10	O II?					0.438?
SPEC 11	lange abs.	5176	258			—
SPEC 12	nien					—
SPEC 13	nien					—
SPEC 14	O II	H _B O III H _A				0.4081
SPEC 15	O II	K H				0.503?
SPEC 16	nien					—
SPEC 17	O III	O III 5007				0.273
SPEC 18	K H					0.518?
SPEC 19	nien					0.523?
SPEC 20	K H G					0.583
SPEC 21	O II					0.551
SPEC 21b	nien					—
SPEC 22	O II	H				0.583
SPEC 23	nien					0.583
SPEC 24	O II	O III 5007 H _B e				0.583
SPEC 25	nien					—
SPEC 26	O II	H				0.363
SPEC 27	O II					0.586
SPEC 28	nien					0.582
SPEC 29	H					0.582
SPEC 30	out					—
SPEC 31	O II					0.518
SPEC 32	nien					—
SPEC 33	O II					0.563
SPEC 34	QSO 88	5022 ^m	5959	6769 ^f	7499 ^f	
			181	162	108	
						double.
				5916	6000	
SPEC 35	?	bright				
SPEC 36	O II?					0.79?
SPEC 37	O II K H G					0.4837
SPEC 38	O II	H _B O III				0.4176
SPEC 39	K H G					0.583
SPEC 40	O II?					0.81?
SPEC 41	O II?					0.79?
SPEC 42	nien					—
SPEC 43	O II?					1.094
155	K H					0.694
SPEC 44	?	bright				
SPEC 45	H _A K H					0.734
SPEC 46	O II					0.584
103	K H					0.445
SPEC 47	K H G					0.485
SPEC 48	air mass bright	K H G	J			
SPEC 49	O II H _A H _D					
					(5604)	

#

255730-32-33

-532	SPEC1	N	00	54 14.853	-28	22 08.96	0.90	6	0.6742 new
158	SPEC2		00	54 12.603	-28	21 38.13			0.4080
157	SPEC3		00	54 14.659	-28	22 36.15			0.4157
272	SPEC4		00	54 15.234	-28	22 53.80			0.627
273	SPEC5		00	54 11.565	-28	21 54.89			0.4157
274	SPEC6		00	54 11.657	-28	22 12.50			0.1839
-533	SPEC7		00	54 11.325	-28	22 34.17			0 new
232	SPEC8		00	54 10.229	-28	22 19.56	-0.30	44	0.4070 L1
154	SPEC9		00	54 11.414	-28	22 59.36			0.9792 32.3
153	SPEC10		00	54 09.504	-28	22 32.16			0.2951
-534	SPEC11		00	54 07.442	-28	22 06.48			new
-535	SPEC12	N	00	54 07.213	-28	22 17.56			0.3768 new
168	SPEC13		00	54 09.888	-28	23 24.06			0.4542
-536	SPEC14	N	00	54 10.232	-28	23 54.29			0.2042 new
1537	SPEC15		00	54 06.222	-28	23 02.41	-0.67		1.5978 new
1645	SPEC16		00	54 11.342	-28	24 54.50			271.43 pas de 2
-538	SPEC17	N	00	54 05.611	-28	23 20.80			0.2910 new
163	SPEC18		00	54 03.893	-28	22 56.62	0.86	8	0.6309
162	SPEC19		00	54 00.762	-28	22 13.80			0.2958
-539	SPEC20		00	54 03.931	-28	23 37.94			0 new
160	SPEC21		00	54 04.581	-28	24 00.61			0.2884
SPEC22			00	54 03.855	-28	24 12.20			
SPEC23			00	54 03.588	-28	24 16.74			
-540	SPEC24		00	54 01.259	-28	23 54.07			
50	SPEC25		00	54 00.687	-28	24 16.74			0.3139 new
-290	SPEC26		00	54 02.233	-28	25 10.65			0.2898
160	SPEC27		00	53 54.672	-28	23 05.19			1.722 pas de 2
-561	SPEC28		00	53 59.483	-28	24 48.48			0.2025 pas de 2
293	SPEC29		00	53 59.433	-28	24 58.05			0.1100 new
163	SPEC30		00	53 55.893	-28	24 08.17	-0.40	47	0.9221
-562	SPEC31	O	00	54 02.921	-28	26 40.84	-0.05	18	0.8248
165	SPEC32		00	53 53.449	-28	23 54.56	0.43	9	0.4915 new
166	SPEC33		00	53 56.580	-28	25 06.37	+ 0.04	13	0.6827
167	SPEC34		00	53 59.483	-28	26 16.66	-0.20	34-38	1.5409 long time abs
-563	SPEC35	N	00	53 52.914	-28	26 28.32			0.2306 new
-564	SPEC36	O	00	53 50.063	-28	23 54.63	-0.16	28	new? double?
-565	SPEC37	O	00	53 51.578	-28	24 31.85	-0.50		new
300	SPEC38		00	53 53.028	-28	25 16.69	-0.10	23	0.8252
129	SPEC39		00	53 49.134	-28	24 16.72	-0.05	18	0.721
-566	SPEC40	O	00	53 49.324	-28	26 45.44			new
116	SPEC41		00	53 45.660	-28	23 51.00	-0.06	21	0.6863
174	SPEC42		00	53 48.484	-28	24 52.99	-0.13	37	0.8229
-568	SPEC43	N	00	53 49.628	-28	25 30.79			new
133	SPEC44		00	53 46.880	-28	24 53.49	-0.04	18	0.6553
-569	SPEC45	O	00	53 51.270	-28	26 34.28			new
-570	SPEC46		00	53 47.413	-28	25 37.83			new *
565	SPEC47	O	00	53 49.884	-28	23 52.29	-0.11	13	21

OK

mXU 132

arc 3-1 3-2 3-3

Gal p9, 261

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7230 Å

je n'ai pas pris le filtre contre

730, 732, 733

SPEC1	OII H β H		0.6747	0.6749
SPEC2	K G Fe43		0.4083	
SPEC3	OII KM G OIII 5007		0.4154	
SPEC4	OII H β KM		0.6263	
SPEC5	OII H β H H β OIII		0.4152	revoir
SPEC6	H β OIII H α		0.1839	
SPEC7	A85	?	Z = 0	
SPEC8	OII H β H δ K H δ		0.4065	
SPEC9	MgI II OII H γ Fe26ff (jaunes)	raies d'abs en 4500-5500	0.9792	espace visible
SPEC10	OII H δ H	douces	0.2949	
SPEC11		?		
SPEC12	OII KM H β OIII		0.3768	
SPEC13	OII KM H β OIII		0.4535	
SPEC14	H β OIII H α		0.2042	
SPEC15		raies d'absorption + Z > 1.43 2346, 2383, 2600, 2800	1.5978	6753 6188 6094
317	SPEC16	bleu quelques raies pas compl	Z > 1.43	
284	SPEC17	KH		0.2940
- 265	SPEC18	OII KH	bright	0.6309
	SPEC19	KH		0.2950
	SPEC20.	grises, rares, d'abs > 1.43? Mg II NaD	Z = 0	
21			0.2830	
22				
23				
24		KH	0.3139	
25		KH	0.2897	
—	26	bleue long Z = 2383, 2587 (2800?)	1.720?	
	27	Mg II H δ H H δ	-0.2025	
	28	H β OIII H α	0.1100	
—	29	Mg II OII KH Fe24	0.9229	-
	30	Mg II OII H β H δ H δ H	0.8269	
	31	KH H δ	0.4915	
	32	(Mg II) H β KH OII H β	0.6876	-
	33	OII H β H H δ	0.6277	
arc 2(35)+	34	bleues rares abs Z > 1.43 2346, 2380, 2600, 2800	1.5409 OK	
	35	OII H β OIII H α	0.2306	
	36a	Mg II OII	0.7776	
0.2927	36d	Mg II OII KH	0.7782	
	37	jaune	Z > 1.43 6885 abn	1.468?
	38	Mg II OII H β	2534-2601 2800	0.8249
	39	OII H β H δ	0.7211	
	40	KH G	0.5343	
	41	OII H β H Mg II	1170.6862	
	42	OII H β H δ	112 0.8276	
	43	OII OIII 5007	112 0.2892	
	44	Mg II OII KH	114 0.6556	
	45	OII H OIII 5007	0.5585	
	46	Mg II H β NaD	0	
		étoile		

date	25.87 - 2.600	27.94 - 2.802
date	23.70 - 2.383	
nm	2345	

CTA
1000srsk

midas4.8.50.0.0.9

188

40.18 61.98 20.95

255706

#

					Slope EW	
o	551	SPEC1	00 53 11.845	-28 25 51.93	0.4442	
o	552	SPEC2	00 53 09.317	-28 26 05.68	0.5025	+
o	553	SPEC3	00 53 17.258	-28 26 11.56	0.6715	
o	554	SPEC4	00 53 13.934	-28 26 23.87	0.5035	
/	555	SPEC5	00 53 10.721	-28 26 38.37	*	
o	556	SPEC6	00 53 10.504	-28 26 39.98	0.3865	
o	557	SPEC7	00 53 28.783	-28 26 46.49	0.4135	
o	558	SPEC8	00 53 20.517	-28 26 59.69	0.5054	
o	559	SPEC9	00 53 21.310	-28 27 04.94	0.5059	
560	SPEC10	00 53 18.060	-28 27 27.73	0.1178	nearby	+
561	SPEC11	00 53 16.687	-28 27 40.08			
o	562	SPEC12	00 53 29.139	-28 27 42.19	0.4921	
563	SPEC13	00 53 19.373	-28 28 05.38		0.1058	
o	564	SPEC14	00 53 18.052	-28 28 08.53	0.2905	
o	565	SPEC15	00 53 21.213	-28 28 18.24	0.6042	
o	566	SPEC16	00 53 12.584	-28 28 28.55	0.4821	
o	567	SPEC17	00 53 08.793	-28 28 34.68	0.4680	
o	568	SPEC18a	00 53 13.773	-28 28 44.76	0.2399	
o	569	2028bb	00 53 08.534	-28 29 19.87	(0.80)	
570	S 29	00 53 10.739	-28 28 58.03		0.590	imp
571	S 20	00 53 17.093	-28 29 01.49		0.2483	
572	S 23	00 53 17.381	-28 29 11.95		0.2181	
o	573	S 24	00 53 08.498	-28 29 17.49	0.1018	0.5923 +imp
o	574	S 25	00 53 19.851	-28 29 36.28	0.775	
o	575	S 26	00 53 27.631	-28 29 57.83	0.53	Imp/17
o	576	S 25	00 53 15.724	-28 30 11.45	0.4347	
o	577	S 28	00 53 26.289	-28 30 20.18	0.3050	
o	578	S 27	00 53 12.678	-28 30 29.45	0.730	0.5965
o	579	S 28	00 53 23.475	-28 30 36.32	0.4058	
o	580	S 29	00 53 23.943	-28 30 45.37	0.4926	
581	S 30	00 53 09.298	-28 30 54.51			
582	S 31	00 53 17.170	-28 31 03.82		0.3182	
o	583	S 32	00 53 27.300	-28 31 08.27	0.4664	
584	S 33	00 53 13.340	-28 31 16.60		0.1178	
585	S 34	00 53 10.486	-28 31 23.20		0.1173	
o	586	S 35	00 53 25.781	-28 31 31.10	-0.3537	0.9051
587	S 35	00 53 11.028	-28 31 40.82		0.3018	
588	S 37	00 53 25.725	-28 31 52.99		0.2185	
o	589	S 38	00 53 15.431	-28 31 54.72	0.4239	
o	590	S 31	00 53 26.013	-28 32 10.61	0.4133	
591	S 40	00 53 20.305	-28 32 15.28		QSO	
592	S 40b				?	
593	S 41	00 53 20.412	-28 32 28.37		0.1526	
o	594	S 42	00 53 15.895	-28 32 35.19	0.5029	
o	595	S 43	00 53 20.194	-28 32 44.79	0.3772	

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SPEC 1	O ^{II}	K	H β	O ^{III}	0.4442			
SPEC 2	Mg ^{II}	O ^{II}	H H β G		0.5025			
SPEC 3	Mg ^{II}	O ^{II}	H ¹⁰ H ⁹ H ⁸ K H H β e		0.671			
SPEC 4	Al ^{II}	K H	G Fe ⁶⁵	bright	0.5038			
SPEC 5	star							
SPEC 6	O ^{II}	H ⁹ H ⁸ H H β			0.3865			
SPEC 7	O ^{II}	H ⁹ H ⁸ O ^{III}	H α		0.4136			
SPEC 8	O ^{II}	Mg K H	H β O ^{III}		0.5054			
SPEC 9	O ^{II}	H ⁹	H β O ^{III}		0.5059			
SPEC 10	4809	4903	4985	5085	5435	5782	5884	G H β Mg _b NaD 0.117
	6585	6887						
SPEC 11								
SPEC 12	K H	G	4000A break		0.4921			
SPEC 13	H ⁵	G	Mg _b star NaD H α		0.1059			
SPEC 14	O ^{II}	H ⁵	H ⁸ H β O ^{III} H α		0.2905			
SPEC 15	K H	G		bright	0.6042			
SPEC 16	K H	G		bright	0.4821			
SPEC 17	O ^{II}	Purple K H H ⁸			0.4468			
SPEC 18	O ^{II}		O ^{III}	H α	0.2397			
SPEC 18a	O ^{II}	K		H α	0.2400			
SPEC 18b	Mg ^{II} ?	K H H ⁵ G	etc. - H β	bright 4000A break	0.2485			
SPEC 19	K H H ⁵ G			bright	0.5923			
SPEC 20	K H H ⁵ G				0.2188			
SPEC 21	O ^{II}	H ¹⁰ H ⁹ H ⁸	K H	H β O ^{III} H α	0.6054			
SPEC 22	O ^{II} K H	H ¹⁰ H ⁹ H ⁸			0.5920			
SPEC 23	K H	4000A break.	OK		0.4058			
SPEC 22b	variables	rare	O ^{II} K H ⁵		0.4926			
SPEC 24	O ^{II}	H ⁹ H ⁸ K H H ⁵ G	(strong O ^{II} + E)		0.5968			
SPEC 25	K H G	H β			0.2486			
SPEC 26	O ^{II}	Balmer	H β O ^{III}	H α	0.3050			
SPEC 27	O ^{II} ?	K H	4000A break	departs	0.5965			
SPEC 28	O ^{II}	H ⁵ K H	H β O ^{III}		0.4058			
SPEC 29	O ^{II} K H H ⁵	H ⁹			0.4926			
SPEC 30	O ^{II}	gal.	Specie non compact					
SPEC 31	+ Balmer emission	O ^{III}	H α (fayefert)		0.3182			
	N ^{III}	H ⁸ H ⁷ H ⁶ H ⁵ H ⁸ H ⁷ O ^{III}	H α N ^{III} S					
	K H H ⁵ G etc.		bright					
	quelques arcs d'absorption	G H β a E						
	H β O ^{III} H α							
SPEC 32	Mg ^{II}	O ^{II} H β	Fe ²⁶	distant	0.6664			
SPEC 33	O ^{II} H β H α H γ	O ^{III}			0.1178			
SPEC 34	K H	H γ			0.1170			
- SPEC 35	O ^{II}	H β			0.9051			
SPEC 36	O ^{II} H β H α H γ	O ^{III}			0.3018			
SPEC 37	K H	H γ			0.2188			
SPEC 38	O ^{II} H ⁹ H ⁸ H ⁵			bud distant	0.4233			
SPEC 39	K H H ⁵ G			budgy in E+A bulge + comp.	0.4133			
SPEC 40	5621	5885	7278	7483	strong broad	QSC		
	broad	thin	thin	thin				
		5885						
40b								
SPEC 41	H β O ^{II}	H α			0.1626			
SPEC 42	O ^{II} H	O ^{III}			0.5029			
SPEC 43	O ^{II} H II H ¹⁰ H ⁹ H ⁸ K H H ⁵	H β O ^{III}			0.3772			

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					Slope	EW	0.62
0	596	1	00 53 27.16.2	-28 15 20.58			0.62
0	597	2	00 53 36.977	-28 15 24.48	-0.05	18	0.6043
0	598	3	00 53 45.371	-28 15 33.11			0.4328
0	599	4	00 53 38.165	-28 15 39.48			0.3635
0	600	5	00 53 46.631	-28 15 44.78			0.2401
0	601	6	00 53 34.489	-28 15 51.68			0.2936
0	602	7	00 53 29.157	-28 16 01.76			0.4449
0	13	8	00 53 44.073	-28 16 09.99			0.3945
0	14	9	00 53 29.318	-28 16 15.09			0.1049
0	15	10	00 53 47.027	-28 16 21.20			0.2929
0	16	11	00 53 46.414	-28 16 37.38			0.4375
0	17	12	00 53 40.360	-28 16 46.86			*
0	18	13	00 53 48.233	-28 16 53.08			0.603
0	19	14	00 53 44.179	-28 16 58.31			0.1688
0	610	15	00 53 41.836	-28 17 15.43			0.4373
0	11	16	00 53 40.791	-28 17 21.37			0.4364 rain
0	12	17a	00 53 44.106	-28 17 25.44			0.0622 merge
0	13	18	00 53 43.889	-28 17 35.43			0.7195 rain
0	14	19	00 53 40.465	-28 17 43.96			0.7717
0	15	20	00 53 44.718	-28 17 47.81			*
0	16	21	00 53 37.905	-28 17 58.71			*
0	17	22	00 53 37.656	-28 18 15.84			0
0	18	23	00 53 36.211	-28 18 17.73			0.3639
0	19	24	00 53 43.815	-28 18 24.70			*
0	20	25	00 53 37.393	-28 18 38.45			0.3519
0	21	26	00 53 39.128	-28 18 58.46	0.68	6	0.3748
0	22	27	00 53 43.453	-28 19 08.01	0.54	15	0.5863
0	23	28	00 53 38.586	-28 19 23.92	1.10	0	0.6884
0	24	29	00 53 41.361	-28 19 33.94	-0.10	28	0.6882
0	25	30a	00 53 44.858	-28 19 39.91	-0.07	45	0.581
0	26	30b					0.6504
0	27	31	00 53 46.516	-28 19 49.20	-0.21	13	0.9574
0	28	32	00 53 27.931	-28 19 54.26			0.4755
0	29	33	00 53 30.598	-28 20 02.39			0.5022
0	30	34	00 53 32.869	-28 20 12.41			0.1864
0	31	35	OK 00 53 32.814	-28 20 20.74	-0.30	27	0.8225 merge
0	32	36	3b 00 53 32.814	EAS 120 130 200 1100			
0	33	37	00 53 48.804	-28 20 41.10	0.12	22	rain 0.6861 part
0	34	38	00 53 27.729	-28 20 48.52	1.00	8	0.647
0	35	39	00 53 40.528	-28 20 52.71	-0.12	49	0.6822
0	36	40	00 53 46.134	-28 21 04.87			0.5030
0	37	41	00 53 44.242	-28 21 09.63	1.55	3	0.6882
0	38	42a	00 53 47.680	-28 21 16.32			0.4154
0	39	42b	00 53 47.685	-28 21 19.65	0.05	32	1.215
0	40	43a	00 53 28.325	-28 21 27.09			0.2547
0	41	43b	00 53 28.194	-28 21 28.04			0.2949
0	42	44	00 53 31.836	-28 21 34.04			0.4929
0	43	45	00 53 27.941	-28 21 38.75			0.1095
0	44	45	00 53 29.634	-28 21 52.81			0.4348
0	45	47	00 53 29.742	-28 22 07.33			0.1175
0	46	48	00 53 41.066	-28 22 16.97			0.3452
0	47	49					0.2483
0	48	17b	00 53 44.105	-28 17 29.25			0.2886
0	49	3b	00 53 45.371	-28 15 31.21			0.3646
0	50	46	00 53 40.327	-28 21 52.92			

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					Slope	EW		
647	1	00	54 29.418	-28 18 50.37			0.1053	
68	2	00	54 29.086	-28 18 30.48	1.30	0	0.6301	
49	3	00	54 28.575	-28 17 15.70			0.4093	
650	4	00	54 27.894	-28 18 01.93			0.0754	
51	5	00	54 26.818	-28 19 11.92			0.5202	
52	6	00	54 26.056	-28 18 03.86	0.44	5	0.6647	
53	7	00	54 25.309	-28 20 21.43			0.2734	
54	8	00	54 24.870	-28 18 47.13			0.4471	
55	9	00	54 24.331	-28 19 13.38			0.1161	
56	10	00	54 24.012	-28 20 35.25			0.4477	
57	11	00	54 23.507	-28 20 27.64			0.1303	
58	12	00	54 20.589	-28 15 57.31			0.6344	
59	13	00	54 20.051	-28 16 44.44			0.1985	
60	14	00	54 19.555	-28 18 47.01			0.4075	
61	15	00	54 18.070	-28 17 09.68			0.2685	
62	16	00	54 17.640	-28 17 43.01	0.2012	0.7749	app rain?	
63	17	00	54 16.842	-28 15 52.58			0.3922	
64	18	00	54 16.083	-28 16 38.59			Wanagen.	
65	19	00	54 15.229	-28 19 06.35	0.3915		*	
66	20	00	54 14.644	-28 16 06.88			0	
67	21	00	54 13.574	-28 20 38.92	0.90	0	0.6015	
68	22	00	54 12.204	-28 20 21.79			0.6148	
69	23	00	54 11.170	-28 17 32.58	0.2280	0.33	3	0.6302
670	24	00	54 10.814	-28 19 43.01			0.4481	
71	25	00	54 10.338	-28 15 30.73	0.75	47	0.6745	
72	26	00	54 09.839	-28 18 34.95			0.3913	
525	73	00	54 08.723	-28 19 30.17			0.3948	
F4	28	00	54 08.106	-28 17 03.56			0.1166	
75	29	00	54 07.603	-28 17 34.98			0.1155	
76	30	00	54 06.596	-28 19 06.38	0.67	7	0.6035	
77	31	00	54 05.908	-28 16 58.10			0.2948	
78	32	00	54 05.474	-28 15 28.61			0.1177	
522	79	00	54 04.685	-28 20 19.69			0.2928	
680	34	00	54 03.819	-28 17 33.09			0.1164	
81	35	00	54 02.811	-28 19 29.24			0.2911	
82	36	00	54 02.268	-28 15 34.81			0.2922	
83	37	00	54 01.766	-28 19 40.19	-0.10	21	0.6847	
84	38	00	54 01.369	-28 19 44.00			0.4933	
528	85	00	54 00.179	-28 19 20.20	1.25	0	0.6285	
86	40	00	53 59.746	-28 16 25.98			0.3912	
87	41	00	53 58.845	-28 15 42.91			0.3448	
88	42	00	53 58.372	-28 17 30.48			0.14	

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624	SPEC1	H β O III H α	0.1053
	SPEC2	KH weak K H α break. G	0.6308
	SPEC3	KH weak break. G	0.4093
	SPEC4	H β O III H α	0.0756
	SPEC5	O II H β H H δ	0.5202
	SPEC6	KHG	0.6447
	SPEC7	O II H β H γ KH H β	0.2738
	SPEC8	O II H β KH H β O III Soot	0.2189 0.4471
	SPEC9	H β O III H α	
	SPEC10	O II KH	0.1161
	SPEC11	H β O III H α	0.4472
	SPEC12	O II KH	0.1303
	SPEC13	KH H α e	0.434
	SPEC14	O II H β H γ KH H δ H β e ta.	0.1985
	SPEC15	O II KH G	0.4075
	SPEC16	Mg II O II H β H γ H H β	0.2485
	SPEC17	KH G	0.7749
	SPEC18	O I H β KH H δ H β O III Soot	0.3922
	SPEC19	thin em Fe II	0.3916
	SPEC20	abs : 4539 4801 6840 7348	*
	SPEC21	continuum 5832	6 *
	SPEC22	KH H δ G	0.6015
<u>Centre</u>	SPEC23	Mg II O II H β H γ O III Soot	0.4168
	SPEC24	O II H β H γ KH H δ	0.6302
	SPEC25	KHG	0.4482
	SPEC26	O II KH	0.6745
	SPEC27	O II H β KH H α	0.3913
	SPEC28	abs : 4802 5438 5475 6840 7348 G H β Mg β E	the brillante
	SPEC29	O III Soot H α N II	0.3948
	SPEC30	O II H β H	0.1165
	SPEC31	weak O II KH	0.6035
	SPEC32	H β O III H α	0.2948
	SPEC33	O II KH	0.1177
	SPEC34	H γ H β O III 4459 H α	0.2928
	SPEC35	KHG H β Mg β	0.1164
	SPEC36	KH H β (Fe II)	0.2911
	SPEC37	O II H β H γ KH H β	0.2929
	SPEC38	O II H β KH H δ	0.6347
	SPEC39	KH cool break. G	0.4939
	SPEC40	O II H β H γ H δ	0.6285
	SPEC41	OK KH H β O III	0.3912
	SPEC42	continuum	0.3468

From WFI

255714

	Slope	EW	
6890 SPEC 1	00 54 35.161	-28 20 18.42	0.4663
6900 SPEC 2	00 54 37.711	-28 20 08.39	0.7255
91 SPEC 3	00 54 47.012	-28 20 03.92	0.0949
920 SPEC 4	00 54 39.836	-28 19 52.64	0.7783
930 SPEC 5a	00 54 49.497	-28 19 46.73	0.3529
940 SPEC 5b	00 54 49.533	-28 19 48.15	0.3634
950 SPEC 6	00 54 44.161	-28 19 40.18	0.4674
960 SPEC 7	00 54 33.940	-28 19 30.38	0.2900
970 SPEC 8a	00 54 51.332	-28 19 21.93	0.3941
98 SPEC 9	00 54 52.448	-28 19 12.35	0.0750
99 SPEC 10	00 54 37.830	-28 19 08.03	0.2048
700 SPEC 11	00 54 38.262	-28 18 58.17	0.0755
10 SPEC 12	00 54 45.993	-28 18 46.36	0.3243
20 SPEC 13	00 54 44.803	-28 18 44.08	0.2934
30 SPEC 14	00 54 47.865	-28 18 35.37	0.5601
4 SPEC 15 = SPEC 15	00 54 51.367	-28 19 16.22	0.2044
50 SPEC 16	00 54 44.332	-28 18 27.35	0.5593
60 SPEC 17	00 54 44.295	-28 18 19.74	0.3622
70 SPEC 18	00 54 30.994	-28 18 07.60	0.2928
80 SPEC 19	00 54 46.852	-28 18 03.97	0.5627
9 SPEC 20	00 54 40.040	-28 17 58.88	*
110 SPEC 21	00 54 39.065	-28 17 44.62	-0.27 27 0.7791
110 SPEC 22	00 54 46.885	-28 17 40.17	0.5621
120 SPEC 23	00 54 51.353	-28 17 31.02	*
130 SPEC 24	00 54 50.773	-28 17 09.14	0.5557
140 SPEC 25	00 54 41.979	-28 16 56.01	2.403 0.950
150 SPEC 26	00 54 45.726	-28 16 50.69	0.5006
160 SPEC 27	00 54 44.392	-28 16 42.63	0.4374
170 SPEC 28	00 54 42.373	-28 16 32.44	0.918
180 SPEC 29	00 54 39.525	-28 16 27.26	0.4401
190 SPEC 30	00 54 37.867	-28 16 20.63	0.2654
7100 SPEC 31	00 54 34.353	-28 16 09.26	0.4362
2100 SPEC 32	00 54 31.289	-28 15 50.75	0.6301
2200 SPEC 33	00 54 47.861	-28 15 40.91	0.80
2300 SPEC 34	00 54 45.302	-28 15 34.54	0.2309
2400 SPEC 35	00 54 39.393	-28 15 25.62	0.2319
2500 SPEC 36	00 54 46.021	-28 15 21.68	0.2304
2600 SPEC 37	00 54 44.074	-28 15 11.72	0.5383
2700 SPEC 38	00 54 46.487	-28 15 00.72	0.2309
2800 SPEC 39	00 54 33.013	-28 14 49.32	0.4375
2900 SPEC 40	00 54 39.820	-28 14 38.25	0.4325
7300 SPEC 41	00 54 42.520	-28 14 24.87	0.5505
3100 SPEC 42	00 54 40.502	-28 14 18.72	0.5505
3200 SPEC 43	00 54 52.784	-28 14 12.02	0.1521
3300 SPEC 44	00 54 32.036	-28 14 06.25	0.1957
3400 SPEC 45	00 54 43.399	-28 13 58.43	0.2304
3500 SPEC 46	00 54 47.901	-28 13 54.05	0.3621
3600 SPEC 47	00 54 39.472	-28 13 43.28	0.5580
3700 SPEC 48	00 54 30.521	-28 13 37.24	0.5202
3800 SPEC 49	00 54 34.482	-28 13 31.47	0.5610
3900 SPEC 50	00 54 40.424	-28 13 25.65	*

600 → 659

660 → 719

720 → 779