

NO FLATS
(Combined -
subtracted)

60 inch Telescope Log

Observer: G. Hazenberg

PI: G. Hazenberg

Spectrograph: FAST

Grating: 300

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Date: 02/14/94

Number	Object	R. A.	Dec.	L/R	Exp	Comments
3104-3134	FLATS & BIASES					NOT here
3135	COMP	(1994.5)	(1994.5)	OV	10 ^s	
3136	α Tau	4 35 36.3	16 29 55	5	5 ^s	Messy around in a bright sky
3137	α Tau	↓	↓	5	0.5 ^s	
3138	COMP			OV	10 ^s	
3139	BP p26 595	03 36 54	26 47 00	0	120 ^s	Star template
3140	COMP			OV	10 ^s	
3141	HD 12623	02 02 12	62 55 00	0	30 ^s	template
3142	COMP			OV	10 ^s	
3143	209 A 262	01 51 54.5	36 13 06	9	5 ^m	look out for faint star
3144	209 A 262	↓	↓	9	5 ^m	to right of galaxy on slit (galaxy is in dead center)
3145	COMP			OV	10 ^s	
3146	221 A 262	01 52 03.3	36 09 55	9	5 ^m	
3147	221 A 262	↓	↓	9	5 ^m	H α (?) (6845 Å?)
3148	COMP			OV	10 ^s	
3149	214 A 262	01 51 57.4	36 04 38	9	5 ^m	Seeing deteriorating (Think I missed it)
3150	214 A 262	↓	↓	9	5 ^m	Different offset from 3149
3151	COMP	(2000)	(2000)	OV	10 ^s	
3152	A0514A	04 47 06.5	-20 28 52	9	10 ^m	Got 500 cts at peak
3153	COMP	(2000)	(2000)	OV	10 ^s	
3154	A0536 A	05 07 44.5	-09 15 27	9	10 ^m	H α (6872 Å)?
3155	A0536 A	↓	↓	9	10 ^m	
3156	A0536 A	↓	↓	9	10 ^m	Ugly spectrum
3157	COMP	(2000)	(2000)	OV	10 ^s	I was shooting blind; I think I missed
3158	A0536 D	05 07 44.5	-09 15 27	9	5 ^m	Star on slit (look to right)
3159	A0536 D	↓	↓	9	5 ^m	Garbage; offset from star
3160	COMP	(2000)	(2000)	OV	10 ^s	
3161	A 0680 A	08 35 21.9	36 55 53	9	5 ^m	Cloudy; got no signal
3162	COMP			OV	10 ^s	
3163	08485 POSS	08 48 30	05 15 00	#	5 ^m	

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
3164	COMP			0V	10 ^s	
3165	08497 p 0607	08 49 42	06 07 00	1	5 ^m	H α at 6800?
3166	08497 p 0607	↓	↓	1	5 ^m	Yup
3167	COMP			0V	10 ^s	
3168	08575 +0755	08 57 30	07 55 00	1	5 ^m	H α at 6760?
3169	COMP			0V	10 ^s	
3170	08363 p 0334 W	08 36 18	03 34 00	1	5 ^m	H α at 6890?
3171	COMP			0V	10 ^s	
3172	IC 2420	08 48 54	03 16 00	1	5 ^m	Great spectrum
3173	COMP			0V	10 ^s	
3174	08515 p 0710 E	08 51 30	07 10 00	1	5 ^m	H α at 7000?
3175	COMP			0V	10 ^s	started getting lots of noise on TV
3176	08533 p 0356	08 53 18	03 56 00	1	5 ^m	Hα at 6750 H α at 6750?
3177	COMP			0V	10 ^s	
3178	08552 p 0756	08 55 12	07 56 00	1	5 ^m	H α at 6960?
3179	COMP			0V	10 ^s	Hα (H α at 6900?)
3180	08529 p 0651	08 52 54	06 51 00	1	5 ^m	Star on far right end of slit
3181	08529 p 0651	↓	↓	1	5 ^m	Insurance shot (H α at 6910)
3182	COMP			0V	10 ^s	
3183	08585 p 0618	08 58 30	06 18 00	1	5 ^m	600 counts at peak
3184	COMP			0V	10 ^s	
3185	09106 p 0549	09 10 36	05 49 00	1	5 ^m	Add to 2088/16,17 (04/16/93)
3186	COMP			0V	10 ^s	
3187	11361 p 0404	11 36 06	04 04 00	5	5 ^m	
3188	11361 p 0404	11 36 06	04 04 00	5	5 ^m	H α at 6760
3189	COMP			0V	10 ^s	
3190	11369 n 0225	11 36 54	-02 25 00	5	5 ^m	H α at 6850
3191	COMP			0V	10 ^s	
3192	11378 n 0226	11 37 48.0	-02 26 00	5	5 ^m	H α at 6720?
3193	11378 n 0226	11 37 48	-02 26 00	5	5 ^m	Yes! ↑

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Number	Object	R.A.	Dec.	L/R	Exp	Comments
3194	COMP			0↓	10 ^s	
3195	11369 p 0345	11 36 54	03 45 00	5	5 ^m	H α at 6690?
3196	COMP			0↓	10 ^s	
3197	11 369 p 0802	11 36 54	08 02 00	5	5 ^m	H α at 6710?
3198	COMP			0↓	10 ^s	
3199	11 374 n 0036	11 37 24	-00 36 00	5	5 ^m	
3200	COMP			0↓	10 ^s	
3201	11 376 n 0034	11 37 36	-00 34 00	5	5 ^m	
3202	COMP			0↓	10 ^s	
3203	11 376 n 0037	11 37 36	-00 37 00	5	5 ^m	H α at 6755?
3204	COMP			0↓	10 ^s	
3205	11 382 p 0525	11 38 12	05 25	5	5 ^m	H α at 6705?
3206	COMP			0↓	10 ^s	
3207	11 385 p 0532 N	11 38 30	05 32	5	5 ^m	H α at 6775
3208	COMP			0↓	10 ^s	↑ same z
3209	11 385 p 0532 S	11 38 30	05 32	5	10 ^m	H α at 6775
3210	COMP			0↓	10 ^s	
3211	11 425 n 0123	11 42 30	-01 23	5	5 ^m	
3212	COMP			0↓	10 ^s	
3213	11 427 n 0125	11 42 42	-01 25	5	5 ^m	
3214	COMP			0↓	10 ^s	
3215	11 426 n 0129	11 42 36	-01 29	5	3 ^m	
3216	COMP			0↓	10 ^s	
3217	11 428 n 0136	11 42 48	-01 36	5	3 ^m	
3218	COMP			0↓	10 ^s	
purged → 3219	11 449 p 0303	11 44 54	03 03	5	5 ^m	Oops; I seem to have missed!
3220	11 449 p 0303	11 44 54	03 03	5	5 ^m	Got it second time
3221	COMP			0↓	10 ^s	H α at 6700
3222	11 437 n 0254	11 43 42	-02 54	5	5 ^m	Tough to get; perpendicular to slit
3223	11 437 n 0254	↓	↓	5	5 ^m	

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Number	Object	R.A.	Dec.	L/R	Exp	Comments <small>look out for star to right</small>
3224	11437 n 0254	11 43 42	-02 54	5	5 ^m	Moved to different part of disk
3225	COMP			0↓	10 ^s	
3226	11437 n 0254	11 43 42	-02 54	5	10 ^m	Damn vertical galaxy! <small>watch out for star spectrum!</small>
3227	COMP			0↓	10 ^s	
3228	11463 p 0120	11 46 18	01 20	5	5 ^m	Na at 6270Å?
3229	COMP			0↓	10 ^s	
3230	GD 140	11 34 28	30 04 35	6	5 ^m	Standard star for NGC 4151
3231	COMP			0↓	10 ^s	Magnification
3232	NGC 4151	12 08 01	39 41 02	6	5 ^m	
3233	COMP			0↓	10 ^s	
3234	NGC 4486B	12 28 00	12 45 59	0	5 ^m	Velocity template
3235	COMP			0↓	10 ^s	
3236	Fe 67	12 39 18	17 47 24	0	5 ^s	Standard
3237	COMP			0↓	10 ^s	
3238	HZ 44	13 21 19	36 23 38	0	5 ^s	Standard
3239	COMP			0↓	10 ^s	
3240	UGC 7411	12 19 00	05 03	5	5 ^m	H α at 6605
3241	COMP			0↓	10 ^s	
3242	UGC 7422	12 19 24	05 23	5	5 ^m	H α at 6605
3243	COMP			0↓	10 ^s	
3244	12186 n 0245	12 18 36	-02 45	5	5 ^m	
3245	COMP			0↓	10 ^s	
3246	12203 p 0324	12 20 18	03 24	5	5 ^m	
3247	COMP			0↓	10 ^s	
3248	12201 p 0630	12 20 06	06 30	5	5 ^m	
3249	12201 p 0630	↓	↓	5	5 ^m	
3250	12201 p 0630			5	10 ^m	
3251	COMP			0↓	10 ^s	
3252	12204 p 0302	12 20 24	03 02 00	5	5 ^m	
3253	COMP			0↓	10 ^s	

