

Goodman Spectrograph

Date (UT): 1-20 Oct 2018 (civil)

Night # 4/5 Page # 1/7

Observer (s) ALLAN, BOWER, PALMER

Detector: BLUE CAMERA

Gain Setting: 200 ~~15~~ ADU

X sum 2 Y sum 2

Amplifiers _____

Filter	Offset
2f2	
3f2	
4f2	
5f2	



Assistant ALFREDO ZEBIAN

Picture Number	Object Name/ type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
01-21	focus			19:36	1 sec. 21 x 1 sec.	ROI: 1900, 400.		0.45"	400WD	Lamps were not used.
22-42	focus2	Hg Ar + Ne		19:42 19:50	1 sec.	ROI: 1900, 400 focus: 0-2000, steps=100		0.45"	400 WD.	Camera focus was reset to 0. • 9°C outside temp. • 1200. → best focus.
43-93	comp.			19:57	0.3 sec. x 51	ROI: Spectra 2x2.		1"	400 WD	* We took 45 of
94-144	dome flats	gflats.		20:17 20:29	1 sec.	51 Spectra 2x2			400 WD	100% intensity
145	Bias.			20:31	x 50			1"	400WD	
195-197	LIT 79 87		1.0	23:43 23:54	3 x 30 sec					
198	Comp (HgArNe)			23:56	1 x 0.3 sec					
199-201	Galex J200801.57-523805.7		1.08	00:23	3 x 110 sec					
202	Comp ARC			00:33	1 x 0.3 sec					
203	Galex J202317.72-502831.6		1.07	00:41	1 x 185					Wrong object
204-206	obj 824		1.07	00:50	3 x 185					Try again
207	Comp ARC			01:00	1 x 0.3					

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Date (UT): _____
 Night # _____ Page # 2/7
 Observer (s) _____
 Assistant _____

Detector: _____
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 X sum _____ Y sum _____
 Amplifiers _____

Filter		Offset	
1f1		4f1	
2f1		5f1	
3f1		1f2	



Picture Number	Object Name / type		Airmass	Begin U.T.	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
208	Galex J202531.04-530844.5		1.1	01:06	3x100					
	Obj 827									
211	comp ARC			01:14	1x0.3s					
212-214	Galex J203052.93-450247.3		1.04	01:20	3x105S					
	Obj 829									
215	Comp ARC			01:28	1x0.3S					
216-218	Galex J203903.34-632624.3		1.22	01:36	3x155					
	Obj 835									
219	Comp ARC			01:48	1x0.3S					Naming Wrong. Did not change tab to comp.
220-222	Galex J203941.66-542549.0		1.13	01:52	3x135					
	Obj 836									
223	Comp ARC			02:03	1x0.3					
224-226	Galex J204453.46-432919.5		1.07	02:07	3x110					
	Obj 842									
227	Comp ARC			02:16	1x0.3					
228-230	Galex J205857.82-421116.1		1.07	02:20	3x80					
	Obj 853									
231	Comp ARC			02:27	1x0.3					

Date (UT): _____		Goodman Spectrograph				Filter	Offset
						2f2	
Night # _____	Page # <u>3/7</u>	Detector : _____		Filter	Offset	Filter	Offset
Observer (s) _____		Gain Setting: _____ =ADU		1f1		4f1	
Assistant _____		X sum _____ Y sum _____		2f1		5f1	
		Amplifiers _____		3f1		1f2	
						3f2	
						4f2	
						5f2	



Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
232	Galax J210227.70-640848.4		1.25	02:33	3x 105					
234	Obj. 859									
235	Comp Arc			02:40	1x .30					
235	Galax J210346.01-555722.6		1.17	02:47	3x 155					
238	Obj 862									
239	Comp Arc			03:01	1x .30					
240	Galax J210545.94-425504.3		1.13	03:09	3x 135					
242	Obj 864									
243	Comp Arc			03:16	1x .30					
244	Galax J213011.87-491852.2		1.14	03:23	3x 260					
246	Obj 881									
247	Comp Arc			03:39	1x 0.30					
248	Galax J213357.96-485802.8		1.17	03:44	3x 35					
250	Obj 888									
251	Comp Arc			03:48	1x .30					
252	Galax J213700.19-502049.0		1.18	03:52	3x 140					
254	Obj 891									
255	Comp Arc			04:02	1x .30					

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 Night # _____ Page # 47
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Detector: _____
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 X sum _____ Y sum _____
 Amplifiers _____

Filter		Offset	
1f1		4f1	
2f1		5f1	
3f1		1f2	
			2f2
			3f2
			4f2
			5f2



Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
256	Galaxy J214212.25-501228.0		1.20	04:07	3x220					
258	OBJ 897									
259	Comp Arc			04:21	1x.30					
260	Galaxy J214831.48-532707.1		1.25	04:26	3x					
262	OBJ 902									
263	Comp Arc			04:37	1x0.3					
264	Galaxy J002341.67-532017.9		1.09	04:41	3x160					
266	Obj 1001									
267	Comp Arc			04:53	1x0.3					
268	Galaxy J004006.50-402455.9		1.02	04:57	3x150					
270	Obj 1013									
271	Comp Arc			05:08	1x0.3					
272	Galaxy J010241.17-612208.8		1.17	05:15	3x180					
274	Obj 1030									
275	Comp Arc			05:28	1x0.3					
276	Galaxy J010901.36-431922.8		1.03	05:32	3x180					
278	Obj 1038									
279	Comp Arc			05:44	1x0.3					

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Assistant _____

Detector : _____

Gain Setting: _____ =ADU

X sum _____ Y sum _____

Amplifiers _____

Filter Offset

2f2

3f2

4f2

5f2

Filter

Offset

Filter

Offset

1f1

4f1

2f1

5f1

3f1

1f2



Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus		Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center		
280-282	Galax J011501.08-520745.2 obj 1050		1.09	05:48	3 x 120						
283	Comp Arc			05:57	1 x 0.3						
284-286	Galax J01921.43-402053.4 obj 1062		1.03	06:00	3 x 180						
287	Comp Arc			06:11	1 x 0.3						
288-290	Galax J00595619-31833.1 obj 1027		1.04	06:16	3 x 100						
291	Comp Arc			06:23	1 x 0.3						
292-294	Galax J010614.33-274517.6 obj 1036		1.05	06:28	3 x 180						
295	Comp Arc			06:40	1 x 0.3						
296-298	Galax J014109.34-643708.7 obj 1089		1.24	06:47	3 x 120						
299	Comp Arc			06:59	1 x 0.3						
300-302	Galax J015132.53-151231.4 obj 1101		1.09	07:08	3 x 200						
303	Comp Arc			07:20	1 x 0.3						

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2f2	
3f2	
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Picture Number	Object Name / type		Airmass	Begin U.T	Exposure	Tel focus/ Instr Focus	Seeing	FILTER	Grating	Comments
	R. A.	DEC.	Epoch	Begin H.A.		Spect/Direct	Sky cond.	Slit	Center	
304-306	Galax J015500.28-20854.8		1.09	07:25	3 x 200					
	Obs 1105									
307	COMPARC			07:37	1 x 0.3					
308-310	Galax J015711.94-235123.1		1.10	07:41	3 x 120					
	Obj 1110									
311	COMPARC			07:50	1 x 0.3					
312-314	Galax J015819.62-251325.4		1.12	07:56	3 x 310					312 - not a comp. morning wrong
	Obs 1111									
315	COMPARC			08:17	1 x 0.3					
316-318	Galax J015354.48-403328.9		1.10	08:25	3 x 115					
	Obs 1182									
319	COMPARC			08:33	1 x 0.3					
320-322	Galax J031134.19-642049.9		1.25	08:37	3 x 135					
	Obj 1204									
323	COMPARC			08:48	1 x 0.3					
324-326	Galax J031658.85-594955.9		1.21	08:52	3 x 115					
	Obj 1208									
327	COMPARC			09:00	1 x 0.3					

