

LDEN (LWS, M2)

MRhudl Spec: 600/7500 400/1500 B&A
 red imaging: clear, clear, y, r, mirror
 Setup: imaging clear, low/low UT Date: April 17, 2009

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Project: /data/scratch/scr/1r/17
 Data directory: /data/243/1r/17/2009 Apr 17

Keck/LRIS-R&B Logsheet

Conditions: Seeing:

Obs#	Target	Exp (s)	LST/UT	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
1	direct	1										Slit images w. script
2	long-1.5	1										
3	long-1.0	1										
4	long-8.7	1										
5	longslit	1										
6	mrhudl.1	1										
	focus files	1										
25	H ₂ He Ar Cd Zn	1				mrhudl.5 2"	560	600/7500	600/7500	clear		R: 1x1, B: 2x2, low/low C.ERS r - 2315.99, b: -2373.53
26	Zn	1										
27	Cd	1										
28	Ar	1										
29	Kr	1										
30	Hg	1										
31-35	Halogen internal flats	5x12										
31-35	Halogen internal flats	5x5										

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Keck/LRIS-R&B Logsheet

Data directory: _____

Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST (UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
36	most intense hotband	1				hotband	560	clear	600/750 6812.23	G	-2373.53 2315.43	(2017.36, 2057.8) ¹⁷⁵⁶ 2345, 2059.78
37	Feige 34 field	1				clear						
38	in throughslit	1				hotband						
39	Feige 34 Spectra	30	05:34	1.16	245	4	4	600 400	600/750 6812.23	—	11	1x1, 62x2
40	H γ N α Br Ca H α	1										"
41-44	alignments N-S											final Sky PA = 179.91
45	Keck-1794 Field	30				direct	560	clear	600/750 6812.23	G	-2373.53	
46	in throughslit	60										
47	ii spectrum	3000	6:47	1.54	179.91	hotband	560	600 400	600/750 6812.23	—	-2373.53 2315.43	1x1, 52x2 with (telescope and focus)
48	in field	30										
49	throughslit?	30	07:57	1.50	11							
50	L Spectrum	3000	07:55	1.35								
51	field in	3000										
52	field	30										30" S.

Project: HDFN (WWS, me)

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Keck/LRIS-R&B Logsheet

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST(UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
53	HDFN-1794 through slit	30				wide	560	clear	600/1500 6812.27	G	-2372.29 2315.99	12x1 Bx1 30" S from start
54	"	3000	10:04	1.37	179.91	h	h	600 4000	h	—	h	12x1, B2x2. // partly cloudy.
55	"	3000	10:53	1.42	h	h	h	h	h	h	h	h
56	Hg Ne Ar Cd Zn	1										
57-59	Halogen Infrared Flats	3x12 3x5										h
60	S05571659+2709 field	500 500	12:26	1.05	179.91	direct	560	clear	mirror	G I	-2372.29 2184.0	12x1; B: 1x1
61	"	500	12:39	1.03	h	h	h	h	h	h	h	10" W from start
62	"	500				h	h	h	h	h	h	20" W from start
63	"	500			testing w/o dichroic	h	out stage	h	h	G I	-2372.29 2168.	20" W 10" S from start
64	"	500				h	560	h	h	h	h	10" W 10" S h h
65	"	400	13:28	1.00	h	h	560	h	h	G I	h	0" W 10" S h h
66	"	400	13:34	1.00	h	h	h	h	h	h	h	10" E 10" S h h
67	"	400			h	h	h	h	h	h	h	20" E 10" S h h
68	"	100			telescope drifts terrible image quality	h	h	h	h	h	h	20" E 0" S

HIDEN 4WS, inc Copyman / 4 / Scratch 55 / Iris 14

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Project: _____
Data directory: /sddata 243 / Iris 14 / 2000 Apr 18

Keck/LRIS-R&B Logsheet

Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST/UT	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
69	SDSS71659 + 2704	400	14.01	1.01	179.91	—	560	clear	mirror	G	-2372.25	R: 1x1 near
69	image	400							13.88	I	2186.0	B: 1x1 20"E, 0"S
70	"	400										10"E 0"S
70	"	400										
71	"	400										10"E 10"S
71	"	400										
72	"	400	14.41	1.04	1.	1.	1.	1.	1.	1.	1.	1. 1.
72	"	400										
↓ ↓ night 2 ↓												
73-81	long - 1.0 focus	9x1										longest focus win b: 1x1!
73-81	100x1	9x1										r: 1x1
82	imaging skyflat	10								G		B 214
82	"	5								I	2361	R 124
83	"	20								G	-2452	
83	"	20								I		
84	"	30								G		
84	"	25								I		
85	"	95								I		
85	"	75								I		
86	"	40										
86	"	70										
87	G band	10				markup	11	clear	mirror	G	188 -2380.95	B 1x1
87	Wirtadt slitimage	—										2345, 2059.94
88	Feig 34 fold	1										

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST/UT	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
89	Feige 34	1										
90	" through slit	30										
90	" Spec	30	5:46	1.15	179.9	4x4 hullis	S20	600	600/750 6812.23	-	-2380.95	B 2x2
90	" Spec	30								-	2351.	R 1x1
91	HDFN-1794 field	30										R 1x1 R 1x2
92	"	30				drool	S20	-	600/750 6812.23	G	-2380.95	
92	"	30								-	2350.98	
93	" through slit	30				vertical						
94	" Spectrum	3000	06:13	1.63	179.2	vertical	S20	600	600/750 6812.23	-	-2380.95	B 2x2
94	"	3000								-	2350.98	R 1x1
95	"	3000	07:04	1.49	"	"	"	"	"	"	"	"
95	"	3000										
96	" through slit field	40										15" N from nominal
97	" through slit Spectrum	3000	08:09	1.38	"	"	"	clear	600/750	G	"	" (B rule across slit through instead of split)
97	"	3000										
98	" Spectrum	3000	09:03	1.35	"							Clouds!
98	"	3000										
99	" field	60										30" N from nominal
100	" through slit	60										"
101	" Spectrum	3000	10:05	1.37	"	"	"	600	600/750	-	-2380.95	"
101	"	3000						600	6812.23	-	2350.98	"
102	" field	60										"
-												

Keck/LRIS-R&B Logsheet

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST/UT	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
^B 103	hdfr-1794 spec - from 14	^B 3000	11:21	1.49	179.91	inband	560	600	600/700	-	^B -2381	b, 2x2 r, 1x1
^R 103		^R 3000									^R +2351	
^B 104	HgMer Cd74	^B 1				4	L	L	-	-	4	"
^R 104		^R 1										
^B 105-107	Halogen inband flats	^B 3x12										
^R 105-107		^R 3x5										
^B 108	S9551659+2709	^B 400	12:31	1.03	179.51	direct	560	clear	mirror	^B G	^B -2451.45	b 1x1 r 1x1
^R 108		^R 400								^R I	^R 2360.98	
^B 109	4	^B 400										15" E from hour
^R 109		^R 400										
PND because of clouds												
bright 3												
^B 136-138	dome flats (spectro.)	^B 3x30				inband	560	600	600/700	-	^B -2504.44	b 2x2 r 1x1
^R 136-138		^R 2x30									^R -2322.96	
^B 139	Sky flats	^B 1				direct	560	clear	mirror	^B G	^B -2469.39	b 1x1 r 1x1
^R 139		^R 1								^R I	^R 2358.97	
^B 140	4	^B 2								G		
^R 140		^R 2										
^B 141	4	^B 4								G		
^R 141		^R 4										
^B 142	4	^B 8								G	^B -2469.39	
^R 142		^R 8									^R R	
^B 143		^B 16										
^R 143		^R 24										

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST/UT	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
^B 144	Feige 34 field	^B 32			179.91	direct	560	clear	Wimman	G	^B -2463.39	B 1x1
^R 144		^R 58						13.88	R	^R 2336.98	R 1x1	
^B 145		^B 1				"	"	"	600/750	G	^B -2503.60	
^R 145		^R 1						6811.64	—	^R 2322.96		
^B 146	" throughslit	^B 1										
^R 146		^R 1										
^B 147	" Spectra	^B 30	5:36	1.16	179.91	backrest	560	600	600/750	—	^B -2589.98	B 2x2 (blue is saturated)
^R 147		^R 30						400	6811.64	—	^R 2322.96	R 1x1
^B 148	"	^B 10										
^R 148		^R 30										good!
^B 149	Hy Ne Ar Cd Zn	^B 1										
^R 149		^R 1										
^B 150	HDFN-1794 field	^B 30			179.91	direct	560	clear	600/750	G		B 1x1 30N" from 400
^R 150		^R 30							6811.64	—		R 1x1 (2563.0, 2060.0)
^B 151	" throughslit	^B 50				backrest						
^R 151		^R 50										"
^B 152	" spectrum	^B 3000	06:05	1.65	179.91	backrest	560	600	600/750	—	^B -2589.98	B 2x2 "
^R 152		^R 3000						400	6811.64	—	^R 2322.96	R 1x1
^B 153	"	^B 3000	06:56	1.50	"	"	"	"	"	"	"	"
^R 153		^R 3000										"
^B 154	" throughslit	^B 50				direct	"	clear	"	G		B 1x1 15"N from 400
^R 154		^R 50										
^B 155	" Spectra	^B 3000	07:25	1.39	"	"	"	600	"	—		B 2x2 "
^R 155		^R 3000						400		—		R 1x1
^B 156	"	^B 3000	08:43	1.36	"	"	"	"	"	"	"	"
^R 156		^R 3000						"	"	"	"	"
^B 157	" field	^B 50										
^R 157		^R 50										nominal

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST(UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
^B 158	KDFN-1794	^B 50									^B -2502.6	
^R 158	throughslit	^R ✓										nom.
^B 159	K spectrum	^B 3000	9:54	1.37	179.91	by hand	560	600	600/700	—	^B -2502.78	B 2x2
^R 159		^R 3000					4200	6811.64	—	^R 2322.96	R 1x1	nom.
^B 160	spectrum	^B 3000	10:48	1.42	"	"	"	"	"	—	^B "	"
^R 160		^R 3000								—	^R "	"
^B 161	throughslit	^B 50										
^R 161		^R ✓										
^B 162	Spectrum	^B 3000	11:44	1.55	"	"	"	"	"	—	^B -2502.78	B 2x2
^R 162		^R 3000								—	^R 2322.96	R 1x1
^B 163	HgNeArCdZn	^B 1										
^R 163		^R 1										
^B 164	Halogen internal flats	^B 3x12										
^R 164-164		^R 3x5										
^B 167	SDSS J1657+2709	^B 800			"	direct	560	clear	Narrow	G	^B -2469.34	B 1x1
^R 167		^R 400							13.88	I	^R 2358.97	R 1x1
^B 168	" image	^B 400	13:10	1.01	"	"	"	"	"	"	^B "	"
^R 168		^R 400								"	^R "	"
^B 169	" "	^B 400	13:18	1.00							^B "	"
^R 169		^R 400									^R "	"
^B 170	" "	^B 400	13:26	1.01							^B "	"
^R 170		^R 400									^R "	"
^B 171	" "	^B 400									^B "	"
^R 171		^R 400									^R "	"
^B 172	" "	^B 400									^B "	"
^R 172		^R 400									^R "	"
^B 173	" 1	^B 400	13:53	1.01							^B "	"
^R 173		^R 400									^R "	"

Project: H DEN WWS, m

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST (UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
^B 174	SDSS J1659-2704	^B 400										10" N 0" W R m
^R 174		^R 400										
^B 175	"	^B 400								G		10" N 10" W 4 4
^R 175		^R 400								I		
^B 176	SDSS J1616+0501	^B 400	14:23	1.13	(79.9)	direct	560	clear	normal 13.88	G		Nominal (Loss)
^R 176		^R 400								R		
^B 177	"	^B 400	14:32	1.14						4		10" E R m
^R 177		^R 400										
^B 178	"	^B 400	14:38	1.16						4		20" E 4
^R 178		^R 400										
^B 179	"	^B 400	14:46	1.18								20" E 10" S 4
^R 179		^R 400										
^B 180	"	^B 400	14:56	1.21								20" E 10" N 4
^R 180		^R 400										
^B 181	"	^B 400	15:04	1.24								10" E 10" N 4
^R 181		^R 400										
↓												
182 207-211	↓ dual filter (Spectrosc)	^B 5x30				in guide 4						B=2x2 R=1x1
207-211		^R 513				in hand 56	607/4000	607/3500		-	-2423.72	
^B 212	Sky flats	^B 1								B		
^R 212		^R 1								R		
^B 213	"	^B 3								B		
^R 213		^R 1								R		
^B 214	"	^B 3								B		
^R 214		^R 2								R		
^B 215	"	^B 4								B		
^R 215		^R 4								R		

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST (UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
216	shyft	7							Mirror	R	-2456.6	
216		8				direct	5W	clear	1388	R	2316.95	
217	Eng 34 through slit field											
217												
218	h spectrum	10	05:32	1.15	179.91	infrared	5W	600/4000	600/7500	G		Seeing ~ 1"
218		30						600/4000	6812.81	—		
219	HjNedr cd on	1										
219		1										
220	HDEN 1794 field	30				h direct	560	clear	600/7500	G		
									6812.81	—		
221	h through slit	30										
222	h spectrum	3000	06:02	1.64	179.91	infrared	560	600/4000	600/7500	—	-2421.73	Nominal
222		3000								—	2343.97	
223	h h	3000	06:53	1.50	179.91	h	h	h	h	h	h	h
223		3000										
224	h through slit	40										15" N from here.
225	h spectrum	3000	07:52	1.39	h	h	h	h	h	h	h	h 5.2x2 v. 1.2x1
225		3000								h	h	
226	h h	3000	08:43	1.36	h	h	h	h	h	h	h	h "
226		3000								h	h	
227	h through slit	600										30" N from here.
227												
228	h spectrum	3000	09:44	1.36	h	h	h	h	h	—	h	h
228		3000								—	h	
229	h		10:35	1.41	h	h	h	h	h			h
229												
224												

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Conditions: _____ Seeing: _____

Obs#	Target	Exp (s)	LST (UT)	Airmass	H.A. SkyPA	Slitmask	Dichroic	Grism	Grating λ_c (Å)	Filter	CCD Focus	Comments
^B 230	HDFN-1794 Spectrum	^B 3000	11:27	1.57	179.91	Wavelength	560	600	600/3000	-	^B -2421.77	L2x2 30" N/A
^R 230		^R 3000									^R 2343.97	
^B 231	" "	^B 3000	12:18	1.68	-	-	-	-	-	-	-	"
^R 231		^R 3000										
^B 232	HyNeAr-Cd Zn	^B 1										
^R 232		^R 1										
^B 233-235	Halogen internal flat	^B 3x12										
^R 233-235		^R 3x5										
^B 236	SDSS J1111+0501	^B 400								B	^B -2475	
^R 236		^R 400								R	^R 2317	
Shutdown due to humidity												
^B 237-243	bias	^B 7x0										b 1x1
^R 237-243		^R 7x0										t 1x1
^B 244-250	bias	^B 7x0										b 2x2
^R 244-250		^R 7x0										