

OBSERVING BOOK

41" UVITS

spectrograph

plates 740 -

1/74 -



NATIONAL

53-108

EYE-EASE PAPER

Made in U.S.A.



DATE	PLATE	OBJECT	$\alpha$	$\delta$	HA START	HA STOP	CIVIL TIME	EXPOS	MV
	740	KOHOUTEK		-6°31		04 <sup>h</sup> 15 <sup>m</sup>			-
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	750								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	760								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	770								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	780								

PLATE	FOCUS	$\lambda_c$	EMUL	DEVEL	GRATING + FILTER	SLIT	COMP	TRAIL	TRANS SEEING	CALIB	REMARKS
740		7600 Å	IIaD	MWP2	BI			NONE	POOR		



DATE | PLATE

781

2

3

4

5

6

7

8

9

790

1

2

3

4

5

6

7

8

9

800

1

2

3

4

5

6

7

8

9

810

1

2

3

4

5

6

7

8

9

820



DATE	PLATE	OBJECT	$\alpha$	$\delta$	HA START	HA STOP	CIVIL TIME	EXPOS	MY
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PLATE	FOCUS	$\lambda_c$	EMUL	DEVEL	GEATING + FILTER	SLIT	COMP	TRAIL	TRANS SEEING	CALIB	REMARKS
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821

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

830

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

840

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

850

- 1
- 2
- 3
- 4
- 5

July 29, 75	6	HD 195592	20 <sup>h</sup> 29 <sup>m</sup> 48	+44° 14'	1:51W	1:57W	2:45	2 <sup>m</sup>	7.1
	7	"	"	"	1:58W	2:02W	2:57	4 <sup>m</sup>	"
	8	"	"	"	2:11W	2:15W	3:10	4 <sup>m</sup>	"
	9	"	"	"	2:19W	2:27		8 <sup>m</sup>	"
	860	+40° 42' 27"	20 <sup>h</sup> 32 <sup>m</sup> 18"	+41° 13'	2:43W	3:29	4:27	45 <sup>m</sup>	9.0

855

6	97.3	<sup>700</sup> 4200	IIaD	MWPI	EII	.17/4	Ne 2 <sup>u</sup> ± 8/20	± 16/20	<sup>fair</sup> 5"	1, 2, 4 <sup>m</sup>	underexposed
7	"	"	"	"	"	"	" 4 <sup>u</sup>	"	"	"	dark slide came out
8	"	"	"	"	"	"	" 4 <sup>u</sup>	"	"	"	well exposed
9	"	"	"	"	"	"	" 8 <sup>u</sup>	"	"	"	over exposed
860	"	"	"	"	"	"	" 4 <sup>u</sup>	"	"	"	







Date	Plate	Object	$\alpha$	$\delta$	HA Start	HA Stop	Civil Time	Expos	$m_v$
9 AUG 75	889 00	9 Sge	19 <sup>h</sup> 50 <sup>m</sup> 8	+18°32'	1:08 W	1:38	1:11	30 <sup>m</sup>	6.2
"	05	HD 188209	19 <sup>h</sup> 50 <sup>m</sup> 29	+48°54'	1:51 W	2:11	1:45	20 <sup>m</sup>	5.6
"	10	HD 187459	19 <sup>h</sup> 47 <sup>m</sup> 53	+33°22'	2:22 W	2:47 W	2:17	25 <sup>m</sup>	6.5
"	15	HD 198478	20 <sup>h</sup> 48 <sup>m</sup> 4	+46°1'	1:57 W	2:17 W	2:48	20 <sup>m</sup>	4.8
"	20	HD 204172	21 <sup>h</sup> 24 <sup>m</sup> 45	+38°33'	1:47 W	2:07 W	3:15	20 <sup>m</sup>	6.0
"	30	WEDGE						1 <sup>m</sup>	
"	35	WEDGE						3 <sup>m</sup>	
"	45								
10 AUG 75	890 00	HD 187459	19 <sup>h</sup> 47 <sup>m</sup> 53	+33°22'	0:36 E	0:29 W	23:58	65 <sup>m</sup>	6.7
"	05	9 Sge	19 <sup>h</sup> 50 <sup>m</sup> 8	+18°32'	0:33 W	0:68 W	0:35	35 <sup>m</sup>	6.2
"	10	HD 191877	20 <sup>h</sup> 10 <sup>m</sup> 15	+21°48'	1:04 W	1:40 W	1:27	36 <sup>m</sup>	6.1
"	15	HD 204172	21 <sup>h</sup> 24 <sup>m</sup> 45	+38°33'	0:34 W	1:00 W	2:03	26 <sup>m</sup>	6.0
"	20	HD 205139	21 <sup>h</sup> 30 <sup>m</sup> 18	+60°20'	1:05 W	1:07 W	2:15	2 <sup>m</sup>	5.6
"	25	"	"	"	1:10 W	1:32 W	2:40	22 <sup>m</sup>	5.6
"	30	WEDGE						1 <sup>m</sup>	
"	35	WEDGE						3 <sup>m</sup>	
"	40	HD 206165	21 <sup>h</sup> 37 <sup>m</sup> 14	+61°58'	1:32 W	1:39 W	2:55	7 <sup>m</sup>	4.7
"	45	"	"	"	1:43 W	1:55 W	3:10	12 <sup>m</sup>	4.7
"	50	HD 225094	22 <sup>h</sup> 7 <sup>m</sup> 7	+63°29'	0:15 E	0:39 W	4:19	54 <sup>m</sup>	6.2
13 Aug 75	891	HD 195592	20 <sup>h</sup> 29 <sup>m</sup> 48	+44°14'	1:22 E	1:17 E	10:35	5 <sup>m</sup>	7.1
"	2	+40°42'20	20 <sup>h</sup> 31 <sup>m</sup> 30	41°08'	0:07 W	0:55 W	12:07	45 <sup>m</sup>	9.2
"	3	HD 229196	20 <sup>h</sup> 22 <sup>m</sup> 24 <sup>s</sup>	40°48'	1:17 W	1:40 W	1:10	23 <sup>m</sup>	8.54
"	4	HD 195213	20 <sup>h</sup> 27 <sup>m</sup> 36 <sup>s</sup>	40°43'	1:48 W	2:17 W	1:46	29 <sup>m</sup>	8.24
"	5	HD 194280	20 <sup>h</sup> 22 <sup>m</sup> 24 <sup>s</sup>	38°51'	2:39 W	3:00 W	2:35	22 <sup>m</sup>	8.39
"	6	HD 229284	20 <sup>h</sup> 28 <sup>m</sup> 06	38°27'	3:14 W	3:50 W	3:10	36 <sup>m</sup>	8.92
14 AUG 75	897 10	9 Sge	19 <sup>h</sup> 50 <sup>m</sup> 8	+18°32'	0:00	0:35 W	23:50	35 <sup>m</sup>	6.2
"	15	HD 188209	19 <sup>h</sup> 50 <sup>m</sup> 29	+48°54'	0:52 W	1:12 W	00:26	20 <sup>m</sup>	5.6
"	20	HD 190603	20 <sup>h</sup> 3 <sup>m</sup> 37	+32°8'	1:08 W	1:43 W	1:10	35 <sup>m</sup>	5.6
"	25	HD 198478	20 <sup>h</sup> 48 <sup>m</sup> 4	+46°1'	1:11 W	1:26 W	1:37	15 <sup>m</sup>	4.8
"	33	WEDGE						1 <sup>m</sup>	
"	40	HD 204172	21 <sup>h</sup> 24 <sup>m</sup> 45	+38°33'	1:00 W	1:26 W	2:13	26 <sup>m</sup>	6.0
"	45	HD 205139	21 <sup>h</sup> 30 <sup>m</sup> 18	+60°20'	1:34 W	1:56 W	2:49	22 <sup>m</sup>	5.6
"	50	HD 206165	21 <sup>h</sup> 37 <sup>m</sup> 14	+61°58'	1:56 W	2:08 W	3:08	12 <sup>m</sup>	4.7
"	60	HD 207298	21 <sup>h</sup> 43 <sup>m</sup> 31	+62°14'	2:16 W	3:01 W	4:09	45 <sup>m</sup>	6.0
15 AUG 75	898 00								
"	05								
"	10								
"	15								
"	20								
"	25								
"	35								
"	40								
"	45								
"	50								

Plate	Focus	$\lambda_c$	Emuls	Devel	Grading + Filter	Slit	Comp	Trail	Trans Seeing	Calib	Remarks
889 00	57.9	4500	IIa-0	D-76 30min	EII none	.10/4	An 20s	16/10	F/F		CLOUDS+CLEAR, CLEARED UP
05	57.9	"	"	"	"	"	"	"	G/F		
10	"	"	"	"	"	"	"	"	"		
15	"	"	"	"	"	"	"	"	"		
20	"	"	"	"	"	"	"	"	"		
30	"	"	"	"	"	"	"	"	"		
35	"	"	"	"	"	"	"	"	"		
45	"	"	"	"	"	"	"	"	"		
890 00	57.9	4500	IIa-0	D-76 15min	EII none	.10/4	An 20s	16/10	F/F		CLOUDED UP
05	"	"	"	"	"	"	"	"	"		
10	"	"	"	"	"	"	"	"	"		
15	"	"	"	"	"	"	"	"	"		
20	"	"	"	"	"	"	"	none	"		ERROR.
25	"	"	"	"	"	"	none	16/10	"		
30	"	"	"	"	"	"	"	"	"		
35	"	"	"	"	"	"	"	"	"		
40	57.9	4500	IIa-0	D-76 15min	EII none	.10/4	none	manual	F/F		Manual trail
45	57.9	"	"	"	"	"	An 30s	16/10	F/F		
50	"	"	"	"	"	"	"	"	"		
891 90.0	65.0	4475A	IIa-D	HWP2 9min	EII/yellow	.17/4	50 Ne 18/20	±16/10	excellent 3.4"	1.24"	
2	88.0	"	"	"	"	"	"	"	"	"	double exposure
3	"	"	"	"	"	"	"	"	"	"	
4	"	"	"	"	"	"	"	"	5"	"	broken plate
5	"	"	"	"	"	"	"	"	6"	"	
6	"	"	"	"	"	"	"	"	"	"	
897 10	54.4	4500	IIa-0	D-76 15min	EII NONE	.10/4	An 20s	16/10	F/P		
15	"	"	"	"	"	"	"	"	F/P		
20	"	"	"	"	"	"	"	"	G/P		
25	"	"	"	"	"	"	"	"	F/P		
33	"	"	"	"	"	"	"	"	"		
40	54.4	4500	IIa-0	D-76 15min	EII none	.10/4	An 20s	16/10	F/P		
45	"	"	"	"	"	"	"	"	G/P		
50	"	"	"	"	"	"	"	"	G/P		
60	"	"	"	"	"	"	"	"	G/P		



