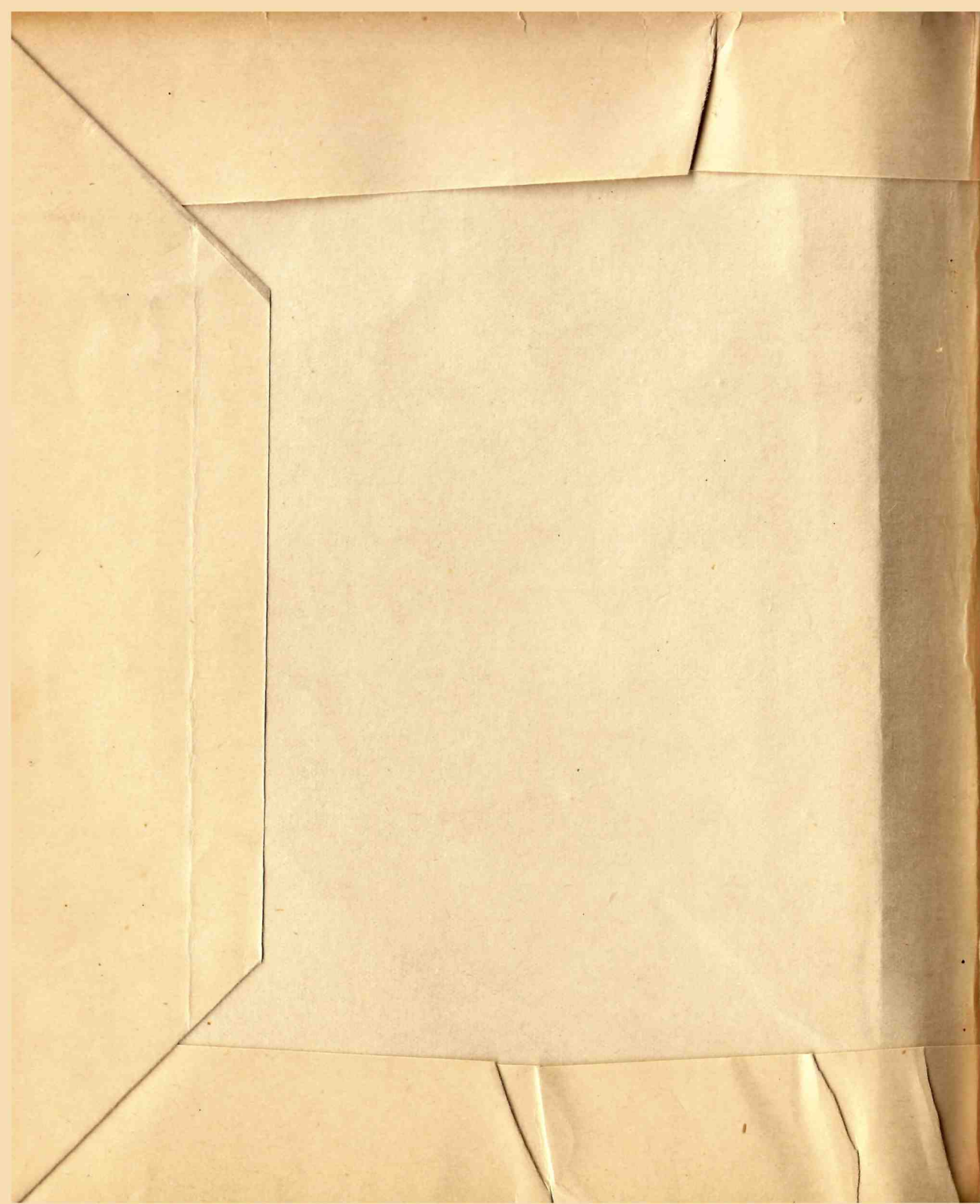


Reflector 2

943 a 1747



17 Car 10:43

-57.25

u Cen

g Cen

10 Cen $13^h 26^m -47^{\circ} 13'$

2 Cen $12:24.3 -62^{\circ} 51'$

Imagen:

p = pulsante

m = móvil

d = difusa

i = irregular.

Anchos de la rama H_u

9.XI.56

9.XII.58

0.00 mm lectura 7 5

0.01 11 9

0.02 15 13

0.03 19 17

0.04 23 21

Junio 10/1956

lectura

kg

1 esp 14 6

2 " 18 34

3 " 20 4

4 " 22 4

5 " 22.8 -22.40

N°	Objeto	Tipo de placa	Tiempo de exposic.	Hora sidérea		Ángulo horario del medio de la exposición		T. U.	
18.19/XI/55		L.							
He 943X1	α Hyi (591)	103a-0	28	2:55	3:23	+1:13:30	2:57	3:25	
944X2	ϕ Eri (674)	"	43	3:32	4:15 ²³	+1:45	3:34	4:17 ²⁵	
945X3	α Ret (1336)	"	66 72	4:32	5:44 ³⁸	+0:56 ⁵⁰	4:34	5:46 ⁴⁰	
24.25/XI/55		L.							
946X1	ϵ Ori (1903)	103a-0	4	6:15	6:17	+0:44	5:53	5:57	
947X2	γ Lep (1983)	103a-0	30	7:29	8:37	+1:48	7:07	8:15	
29.30/XI/55		Gr. Sg. Rg							
948	κ Eri	103a-0	60	2:23	3:20	+0:30	1:42	2:38	
2.3/XII/55		L.							
949X2	β Ori (1713)	103a-0	30 ^s	5:57		+0:44	+0:44	5:03.5	5:04
950X1	κ CMa (2538)	103a-0	48 ^m	7:10		+0:21	+0:45	6:16	7:04
951X3	ω CMa (2749)	103a-0	41 ^m	8:23		+1:09	+1:30	7:29	8:10
5.6/XII/55		L.							
952X1	α Tau (1457)	103a-0	25 ^m					2:16	
7.8/XII/55		L.							
952X1	α Dor (1465)	103a-0	36 ^m	5:42		+1:09	+1:27	4:29	5:05

Ranura		Cielo	Imagen	Chasis	Arco	Temperatura			Notas
ancho	largo					cúp.	Espectrógrafo	Comienzo Fin	
10	10	5 m	1	15+15	19,5	23,7	23,6		
10	10	4 dm	2	"	19,1	23,6	23,0		Nubes, perdidos 8 ^m
10	10	3 dm	1	"	18,6	23,6	23,6		Se nubló
10	10	5		15+15	22,2	26,6	26,6		
10	10	5 dd		15+15	21,3	26,6	26,6		5 ^m perd.
10	10	5 d	1	15	19,4	24,2	23,5		Int. por nubes que's irreg.
10	10	5 d	2	30					
10	10	5 d/p	1	15+15	17,9	23,0	22,4		
10	10	5 d	2	15+15	17,7	23,2	23,2		
10	10	2 dd	1	15	17,7	24,3			Veloc. fuerte Nubledo
10	10	5 dd i	1	15+15	16,6	22,1	22,0		

(7.8/XII/55) (L.)

T.U.

953 x 2	α Dor	(1465)	1036-0	(45)		+1:48	+2:10	5:08	5:53
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954 x 3	γ CMa	(2745)	1036-0	(86)		+0:38	+1:21	6:38	8:04
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13.14/XII/55 L.

955 x 1	α Dor	(1465)	1036-0	35 ^m		+0:59	+1:16	3:54	4:29
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956 x 2	κ Ori	(2004)	1036-0	8 ^m		+0:39	+0:43	4:46	4:54
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957 x 3	β CMa	(2294)	1036-0	5 ^m		+0:32	+0:34	5:15	5:21
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958 x 4	α Car	(2326)	1036-0	15 ^s	10:19	+0:59	+0:59	5:41	
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959 x 5	α Pic	(2550)	1036-0	37 ^m		+0:58	+1:16	6:08	6:50
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960 x 6	α Cir	(5463)	1036-0	48 ^m		+49:05	-4:31	7:17	8:05
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16.17/XII/55 L.

961 x 1	α Eri	(472)	1036-0	1 ^m		+0:32	+0:32	0:22	0:23
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962 x 2	α Dor	(1465)	1036-0	35 ^m		-1:54	+2:12	0:53	1:28
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963 x 3	α Cir	(5463)	1036-0	40 ^m		-8:20	-8:00	4:33	5:13
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964 x 4	α Cir	(5463)	1036-0	63 ^m		-7:20	-6:48	5:27	6:30
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21.22/XII/55 L.

965 x 1	α Dor	(1465)	1036-0	36 ^m		-0:58	-0:40	1:27	2:03
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966 x 2	α Dor	(1465)	1036-0	47 ^m		-0:18	+0:06	2:06	2:53
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967 x 3	μ Lep	(1702)	1036-0	36 ^m		+1:35	+1:53	4:36	5:12
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968 x 4	ϵ Ori	(1903)	1036-0	5 ^m		+2:19	+2:22	5:43	5:48
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969 x 5	ζ Ori	(1948)	1036-0	9 ^m	7	[+2:29] +2:38	+2:42	6:06	6:15
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970 x 6	α Cir	(5463)	1036-0	81 ^m	71	-5:37	-4:57	6:54	8:15
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10	10	5 ddp	2	15+15	15,8	22,0	21,9
10	10	5 dd	1	15+15	15,6	21,0	22,1

+ 4,38

10	10	5	1	15+15	23,2	25,8	
10	10	5 dd	2	30			
10	10	5	1	30	22,4	26,3	26,3
10	10	5	2	30	22,0	26,3	
10	10	5	1	30	22,0	25,9	
10	10	5	2	15+15	20,9	26,3	param nubes 20m

+ 1,46

10	10	5	1	30	22,1	25,8	
10	10	5	2	15+15	21,2	25,4	24,5
10	10	5	2	15	20,5	22,0	
10	10	5	1	15+15	19,4	falta luz	

+ 2,08

10	10	5	1	15+15	20,2	22,3	24,7
10	10	5	2	15+15	20,0	24,7	
10	10	5	1	15+15	18,9	22,0	22,0
10	10	5	2	30	18,7	24,6	
10	10	5	1	30	18,8	21,2	21,1
10	10	5	2	15+15	18,0	24,1	

 2^m perd
 ~10^m perd.

26.27/XII/55 L.

T.O. F

971 X1	α Cir (5463)	1032-0	56	8:29	-6:10	-5:42	6:02	6:58
972 X2	α Cir (5463)	1032-0	57	9:26	-5:11	-4:42	6:59	7:56

27-28/XII/55 H

973 1	41 Eri (1347)	1032-0	(40)		-1:28		0:16 - 0:56	
974 X2	α Tau (1457)	"	(15)		-0:54		1:07 - 1:22	
975 3	η Ori (1322)	"	(21)		-0:44		2:06 - 2:27	
976 4	41 Eri (1347)	"	(35)		+0:53		2:36 - 2:11	

28-29/XII/55 H

977 1	41 Eri (1347)	1032-0	(35)		-0:43		0:56.5 - 1:31.5	
978 2	41 Ori (1322)	"	(25)		-0:54		1:10 - 1:55	
978 X3	γ Lep (1829)	"	(40)		-0:48		2:02 - 2:42	
979 4	6 Ori (1899)	"	(11)		+0:06		2:50 - 3:01	
5	41 Eri (1347)	"	(35)					

5.6/1/56 L

980 X1	α Cir (5463)	1032-0	42		19:04	-4:35	6:35	7:17
981 X2	α Cir (5463)	1032-0	34		19:57	-3:46	7:27	8:01

19.20/1/56 L

982 X1	α Cir (5463)	1032-0	44	19:15	-4:45	-4:23	5:50	6:34
983 X2	α Cir (5463)	1032-0	43		-3:55	-3:34	6:37	7:20

+2,27

10	10	5 dp	1	15+15	20,5	22,1	24,6
10	10	5	2	15+15	20,0	21,6	21,2

5	5		1	13+13		27°8 - 27°4
4	4		2	"		27°0 - 27°0
11	11		1	"		26°2 - 26°1
4	4		2	"		27°0 - 26°3

5	5		1	13+13		30°8 - 31°0
4	4		2	"		30°2 -
11	11		1	"		30°9 -
4	4		2	"		30°6 - 30°4

muchos viento

+ 3:08

10	10	d	1	13+13	19,1	
10	10		2	13+13	19,0	

Velo

"

10	10		1	13+13	19,5	21,4
10	10		2	13+13	18,8	21,6 21,7

	26.27/1/56	L	
984 x 1	α Cir (5463)	1036-0	30
985 x 2	α Cir (5463)	1036-0	37
986 x 3	α Cir (5463)	1036-0	40

11m			
19:15	19:31	5:28	5:35
19:55	20:23	6:03	7:00
20:59	21:19	7:07	7:47
		13	53

	27.28/1/56	L.	Spd.
987 x 1	α Dor (1465)	1036-0	89
988 x 2	α Cir (5463)	1036-0	85

16:12	16:58	3:10	
+2:18	+3:04	2:23	3:56
18:43	19:33	4:54	6:34
		5:44	

	3/11/56	L.	
989 x 1	α Dor (1465)	1036-0	44
990 x 2	α Cir (5463)	1036-0	42

5:58	6:20	5:32	6:16
+ (9:54)	22:15	6:52	7:34
		44	7:26

22-II-56

Le modifiqué el uso del tornillo de anclaje de la

mm	lecturas
0.01	12
0.02	16
0.03	20
0.04	24

5	10	tt indr.	1	17,5	19,7	19,5	2 ^m perd.
5	10		2	17,2	19,5	19,8	20 ^m perd
5	10		1	17,4	19,8	18,7	
5	10		1	21,0	23,8	22,8	Perd 4 ^m
5	10		2	19,8	22,9	21,8	15 ^m perd
10	min.		1		23,5		
10	min		2	29,8	22,7		

ramura, ahora corresponde

2324 II-56

Gr-H

T.U.

991	1	η Car	105a-0	5:50.5-12:50.5 8:56 12:46	23:31 6:20 23:43 6:44	22:38
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29-1 / II-III-56

H

T.U.

992X	1	β Lep (1829)	105a-0 (40)		0:39-1:19	+2:17
993X	2	α_1 Cru (4730)	" (5)		1:59-2:04	
994X	3	α_2 Cru (4731)	" (8.5)		2:06-2:14.5	-3:30
995X	4	γ Cen (5231)	" (17)		2:53-3:10	-4:06
996X	5	δ Cen (5190)	" (25)		3:22-3:47	-3:20
997X	6	α Vir (6056)	" (2)		3:54-3:56	-2:42
998X	7	α_1 Cru (4720)	" (5)		4:13-4:18	-1:24
999X	8	α_2 Cru (4720)	" (8.5)		4:19-4:27.5	

1-2 / III / 56

H

1000X1	κ Vel (3734)	105a-0 (12.5)	1:26.5-1:38.0	-1:00
1001X2	α Hyo (3748)	" (3.5)	1:44-2:21	-0:35

5-6 / III / 56

H

1002X1	α_1 Cru (4720)	105a-0 (8.5)	3:10.5-3:19.5	-2:04
1003X2	α_2 Cru (4731)	" (10.0)	3:20.0-3:20	
1004X3	γ Cen (5231)	" (21)	3:41-4:02	-2:55

20 - menor $5^s + 5^s$ (202- 2400-2305)

al comienzo imágenes de 4^s
 desde las 2 a 4 hrs. imágenes de 1.5^s

hora fin exposición

3:42 -

15 - 5 C DQ 1 3+2 2100 2400-2307

14 - menor C H 2 2+2 2403

" " C H 1 1 2403

" 5 C H 2 2+2 2403

" 5 C H 1 2+2 1902 2401

" 5 C H 2 1 2405

12 menor C H 1 1 2501

12 menor C H 2 1 2500

} pueden estar invertidas
 muy poco probable

12 5 5 PM 1 5 2505 2607-2607

" 5 5 DP 2 2+3 2206 2606-2607

12 - menor 5 M 1 5 2600 -

" " " " 2 5 2600

" 5 " " 1 2+2 2507-2508

} bandado
 defectuoso -

Viento

1

1

16-17/II/56

H

T.V.

1005 1004 X	2	2 Vir (5056)	105a-0	(4)	2:07.5-2:15.5	14:07.5-14:15.5	- 2:55
1006 X	3	μ Cen (5195)	"	(26)	2:20.0-2:46.0	14:20.0-14:46.0	- 2:57
1007 X	4	η Cen (5440)	"	(16)	2:54.0-3:10.5	14:54-15:10.5	- 3:13

17-18/III/56

H

T.V.

1008 X	1	μ Cen (5195)	105a-0		1:30.0- ⁷¹ 1:59.0		- 3:43
1009 X	2	η Cen (5440)	"		2:07.0-2:22		- 3:53
	3						

26-27/III/56

H

T.V.

1010 X	1	α_1 Cru (4730)	105a-0	(45)	0:54.5-1:01		
1011 X	2	α_2 Cru (4731)	"	(12)	2:03.0-2:14.0		
1012 X	3	γ Cen (5231)	"	(24)	1:28.0-1:52		
1013 X	4	2 Vir (5056)	"	(4)	2:02.0-2:18.0		

29-30/III/56

T.V.

1014 X	1	γ Cen (5190)	105a-0	(25)	0:26-0:58		- 4:26
1015 X	2	γ Cen (5231)	"	(17)	1:11-1:33		- 4:50
1016 X	3	2 Vir (5056)	"	(2)	1:46-1:48		- 2:56
1017 X	4	γ Cen (5190)	"	(25)	2:57-2:22		
1018 X	5	α_1 Cru (4730)	"	(5)	2:35-2:40		
1019 X	6	α_2 Cru (4731)	"	(8)	2:40.5-2:49		- 1:00
1020 X	7	γ Cen (5231)	"	(17)	2:59.5-3:17		- 2:06
1021 X	8	2 Vir (5056)	"	(2)	3:24-3:26.0		

14-5	5 mdm	1	10 ³	2003	Placa, 1950
14-5	" " "	2	15 ¹		" "
14-5	" " "	1	5		
14-5	" " "	2	1	2102	

14-5		1	6 ⁵	1900	Placa, 1950 - Parando
" "		2	"	1900	Velos

14 - menor		1	6 ⁵	2005	
" "		2	"	2006	
" - 5		1	"	2001	
" - 5		2	"	1908	

14-5	5 md	1	3+2	2102-2008	
" "	5 M	2	3+2	2104-2102	
" "	5 w/parents	1	1	2102	
" "	1 known	2	3+2	2102-2103	
" menor	1 "	1	1	2104	
" "	1 "	2	1	2106	
" "	1 "	1	3+2	2103	
" "	1 "	2	1		

T.U.

1022X9	α_1 Cru (4750)	103a.0 (5)	3:37 - 3:42	
1023X10	α_2 Cru (4751)	" (14)	3:43.5 - 3:44.5	+ 0:05
	4-5/XV/56	H	+ 0.5	
1024X1	α_1 Cru (4750)	103a.0 (5)	1:20.5 - 1:20.5	- 1:48
1025X2	α_2 Cru (4751)	" (8.5)	1:37.0 - 1:45.5	- 1:40
1026X3	α_1 Cru (4750)	" (8)	1:55.0 - 2:03.0	
1027X4	α_2 Cru (4751)	" (14)	2:06.0 - 2:20.0	- 1:08
1028X5	α_1 Cru (4750)	" (7)	3:19.0 - 3:26.0	
1029X6	α_2 Cru (4751)	" (13)	3:27.0 - 3:40.0	
1030X7	α_1 Cru (4750)	" (2)	3:55.0 - 4:02.0	+ 0:39
1031X8	α_2 Cru (4750)	" (13)	4:04.0 - 4:17.0	+ 0:50

+ 0.5

1032X1	α_1 Cru (4750)	103a.0 (5)	1:48.0 - 1:53.0	
1033X2	α_2 Cru (4751)	" (8.5)	1:55.0 - 2:03.5	- 1:20
1034X3	α_1 Cru (4750)	" (5)	2:35.0 - 2:40.0	- 0:41
1035X4	α_2 Cru (4751)	" (8.5)	2:41.5 - 2:50.0	

+ 3'

C 1036 1	Región n Car.	103a-E (2 ^h)	filtro rojo	1:14:45 - 1:16:45
1037 2	" " "	" (20 ^h)	" "	1:17:27 - 1:17:57
1038 3	" " "	" (8 ^h)	" "	2:16:40 - 2:16:48
1039 4	" " "	" (10 ^h)	" "	2:16:49 - 2:16:59

14 - minor	Г	Г	1	21°4
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" "	Г	Г	2	21°5
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14 - minor	Г	М	Г	1	20°3
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" "	Г	М	Г	2	20°3-20°2
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" "	Г	М	Г	1	20°0-20°2
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" "	Г	М	Г	2	20°2-
-----	---	---	---	---	-------

" "	Г	М	Г	1	
-----	---	---	---	---	--

" "	Г	М	Г	2	20°5
-----	---	---	---	---	------

" "	Г	М	Г	1	20°0
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" "	Г	М	Г	2	19°9-19°7
-----	---	---	---	---	-----------

14 - minor	Г	Г	1	21°5
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" "	Г	Г	2	21°3-21°5
-----	---	---	---	-----------

" "	Г	Г	1	21°4
-----	---	---	---	------

" "	Г	Г	2	21°3
-----	---	---	---	------

5 B			1	13.5
-----	--	--	---	------

" "			2	"
-----	--	--	---	---

" "			1	12.9
-----	--	--	---	------

" "			2	
-----	--	--	---	--

C 1040	5	Región 7 Car.	103 a-E	(14)	filtro rojo	2:21:17 ⁵ - 2:21:31
1041	6	" "	"	(20)	" "	2:23:10 ³ - 2:23:30
1042	7	" "	"	(28)	" "	2:24:01 - 2:24:29
1043	8	" "	"	(40)	" "	2:38:28 - 2:39:08

13-14/II/56 Gr. K.

C 1044	1	Región 7 Car	103 a-E	(7)	filtro rojo	1:03:30 - 1:03:37
2	"	"	"	(10)	" "	1:04:22 - 1:04:32
3	"	"	"	(14)	" "	1:05:10 - 1:05:24
4	"	"	"	(20)	" "	1:06:06 - 1:06:26
5	"	"	"	(28)	" "	1:06:56 - 1:07:24
6	"	"	"	(40)	" "	1:08:00 - 1:08:40

16-17/VI/56

H 1045	1	α Cir (5463)	103 a-O	(70)		6:16:00 7:26 +3:20 6:51
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17-18/V/56 H

H 1046	x1	α_1 Cru (4460)	103 a-O	(6)		22:30 - 22:36
1047	x2	α_2 Cru (4461)	"	(10)		22:38 - 22:48 - 1:50
1048	x1	α_1 Cru (4460)	"	(7)		23:15 - 23:22 - 1:15
1049	x2	α_2 Cru (4461)	"	(11)		23:23 - 23:34

L

1	α Cen	103 a-O	(7)			6:20 6:27 +5:49
2	α Cen	103 a-O	(80)			7:36 8:56 +5:50

24-25/V-56 H

1050	1	α Cen (4350)	103 a-O	(5)		22:19 - 22:24
1051	2	α_2 Cru (4461)	"	(9.5)		22:25 - 22:31.5

5 B

1

4 v

2

4 v

1

16 11

2 12.5

5 B

1 14.1

4 v

4 v

4 v

4 v

4 v

14.0

16-5

5 dmp

5+5

1

8.5 [8.6]

5.7

[4.4]

Se usó la rama.
Se abrió y se dejó con
tambores intrante en
el primer 16.

16-min

5 0

~~8~~ 8

1

11.2

4 "

4 v

2

11.2

4 "

4 v

1

11.2

4 "

4 v

2

11.4

16 min

5d

1

20 min

5

2

7.2

8.5

(4.9 4.1)

16 min 5d

1

12.5

4 "

2

hora sidera Angulo horario T. U.

H2107

1053

1054

Junio 1°/1956 los anchos de la rama
están indicados en la página 7

H210 14-15 / Junio / 1956 H

Hu 1050 1 α Cen (4430) 1052-0 (8.5) + 0:29 23:06:10:25:00
2 α Cen (4431) " (11)

22-23/VI/56 K

1 η Cen (5440) 1032-0 (10) 14:45:00-55:00 + 0:19 12:33:14-43:14
2 η Cen " (15) 15:54:00-16:09:00 + 1:31 13:42:14-57:14

27-28/VI/56 L.

T. U.

1 θ Oph (6453) 1034-0 30 19:19 + 2:01 16:45 17:16
2 θ Oph (6453) 1032-0 60 20:38 + 3:21 6:05 7:05
Hu 1050 XX α Pav (7790) 1032-0 6" 22:07 + 1:46 + 1:50 7:33 7:40
3 α Pav (7790) 1032-0 6" 22:23 + 2:02 7:49 7:55

22-29/VI/56 H

Hu 1051 1 α Cen (5056) 1022-0 25 22:15.5
Hu 1052 2 α J. r (5056) " 30 22:59 - 23:02
1052 X μ Cen (1193) " 30 + 1:29 0:23.5 - 0:23.0
1053 H θ Oph (6453) " 25 - 1:22 1:02 - 1:33
H 870

Ranura
ancho Largo

Cabo
Imagen

Chasís
Arco

Temp. atm.
superf. mar.
Cup. Comienzo Fin

Notas

15 - 5

15 5 0 18 1107 Velos -

20 - 5 2 m, d 1 5+5 11.4 13.7 - 13.7

" 2 " 2 " 11.2 13.2 - 13.0 Parando motor: 14.18 m

17c mlen. 5 ddp 1 10^s +3.5 7.8

17s " 5 ddp 2 5+5 +2.6 6.9

17s " 5 1 10 +1.7 8.1

17c " 5 2 10 +1.8

17^h 20 m
- 24.58 m

17 - 5 5 1 2^s

21 - 5 5 dm 2 6^s 8°4

23 - 5 5 1 6^s 8°3

23 - menor 5 2 6^s 8°3

T.U.

HU 1054	5	$\oplus$ Oph (6455)	105a.0	20	-0:15	2:37-2:47
1055X6	$\times$	Per (7790)	"	7	-2:40	3:01.5-3:08.5

28.29

L.

1	$\oplus$ Oph (6455)	103a.0	28	20:13	20:42	+2:56	+3:10	5:36	6:04
2	γ Cap (8278)	103a.0	78	21:10		-0:28	+0:11	6:32 7:24	7:34 8:00
3	ϵ Per (8628)	103a.0	75	23:26		+0:50	+1:28	8:49	10:05

2-3/VII/56

H

1056X1	$\times$	ϵ Crv (4760)	105a.0	(10)	+2:30	23:55-0:05
1057X2	μ	Can (5195)	"	(30)	+1:37	0:20-0:50
1058	3	$\oplus$ Oph (6455)	"	(20)	-0:30	1:06-1:26
1059X4	$\times$	Per (7790)	"	(8)	-3:16	2:09-2:17

3-4/VII/56

K.

T.U

1060X1	16x	Bee (5340)	103a.0	(6)	15:00-15:06	+0:51	24:04-24:10
1061X2	16x	Bee	"	(4)	15:17-15:21	+1:07	24:21-24:25
1062	3	6 μ Leo (5944)	"	(18)	16:30-16:48	+0:45	1:34-1:52
1063	4	78 Leo (5953)	"	(11)	16:50-17:01	+1:00	1:54-2:05
1064	5	8 μ Leo (5984)	"	(18)	17:09-17:27	+1:17	2:13-2:31
1065X6	$\times$	Ara (6462)	"	(31)	17:37-18:08	+0:33	2:41-3:12
1066X4	$\times$	Ara (6443)	"	(48)	18:14-19:02	+0:37	3:18-4:06
1067	8	162 Aql (7236)	"	(49)	19:24-20:16	+0:50	4:31-5:20

25 - 12	1	7°4 - 8°8 - 7°6	Super' On cuspula -
23 - 5	2	8°5 - 8°0	

23 min 5	1	3.0 6.6	
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23 " 5	2		Usto
--------	---	--	------

23 " 5	1	2.7 5.0	
--------	---	---------	--

25 112 5 dm	1 65	10°4	
-------------	------	------	--

25 5 5 dm	2 65	10°5 - 10°5	
-----------	------	-------------	--

26 12 5 dm	1 65	10°5	
------------	------	------	--

25 5 5 dm	2 65 211.8	10°6	
-----------	------------	------	--

23 - 5 5 dm	1 4+3 ¹	9.2 11.5 - 11.5	
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" " " "	2 3+3	9.0 10.4	
---------	-------	----------	--

" " " "	1 4+3	8.8 10.7 - 10.7	
---------	-------	-----------------	--

" " " "	2 "	8.7 10.6 - 10.6	
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" " " "	1 "	8.5 10.5 - 10.5	
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" " " "	2 "	8.5 10.3 - 11.2	
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" " " "	1 "	8.1 11.3 - 11.5	
---------	-----	-----------------	--

" " " "	2 "	7.7 12.2 - 11.8	
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5-6/vii/56

L.

1 acc 60 103a-0

1

1

T.V.

5-6/vii/56

H

1068 1 ♂ Oph (6453) 103a-0 (20)

+ 2:32

4:36 - 4:56

1069 2 ♂ Oph (6451) " (20)

+ 2:52.5

4:56.5 - 5:16.5

1070 X 3 ♂ Pav (7790) " (8)

+ 0:18

5:30 - 5:38

1071 X 4 ♂ Pav (7790) " (8)

5:50 - 5:58

6-7/vii/56

K.

1072 1 ♂ Oph (6453) 103a-0 (20)

16:13-16:33

- 0:56

1:05 - 1:25

1073 2 " " "

16:34-16:54

- 0:35

1:26 - 1:46

1074 3 " " "

16:54-17:14

- 0:15

1:46 - 2:06

1075 4 " " (19)

18:12-18:31

+ 1:04

3:04 - 3:23

1076 5 " " (19)

18:34-18:53

+ 1:25

3:26 - 3:45

1077 6 " " (20)

18:53-19:13

+ 1:45

3:45 - 4:05

1078 7 " " "

19:13-19:33

+ 2:05

4:05 - 4:25

1079 8 " " "

19:33-19:53

+ 2:25

4:25 - 4:45

1080 9 " " "

19:53-20:13

+ 2:45

4:45 - 5:05

1081 10 " " "

20:13-20:33

+ 3:05

5:05 - 5:25

1082 11 " " "

20:33-20:53

+ 3:25

5:25 - 5:45

10-11/vii/56

K

1083 1 ♂ Oph (6453) 103a-0 (20)

14:33-14:53

- 2:35

23:09 - 23:29

1084 2 " " "

14:53-15:13

- 2:16

23:29 - 23:49

23 mcm

Le mubló

26	12	5 m	6 ⁵	906 - 905
"	"	" m d	6 ⁵	904 - 907
23	5	" m d	6 ⁵	903 - 902
"	"	" m d	6 ⁵	904 905

26 - 12	5	d p	1 4+3	6.1 9.1 - 8.7
"	"	"	2 "	5.9 8.7 - 8.6
"	"	"	1 "	5.6 8.6 - 8.4
"	"	"	2 "	5.5 7.7 - 9.0
"	"	"	1 "	5.5 9.2 - 8.6
"	"	"	2 "	5.5 8.5 - 8.3
"	"	"	1 "	5.3 8.3 - 8.1
"	"	"	2 "	5.2 8.1 - 7.8
"	"	"	1 "	5.3 7.8 - 9.4
"	"	"	2 "	5.3 9.4 - 8.7
"	"	"	1 "	5.4 8.7 - 8.5

26 - 12	5	p	1 4+3	11.9 13.5 - 13.5
"	"	"	2 "	11.7 13.4 - 13.3

1085	3	B oph (6453)	103a-0	(20)	15:13-15:33	- 1:56	23:49-00:09
1086	4	"	"	"	15:33-15:53	- 1:36	00:09-0:29
1087	5	"	"	"	15:53-16:13	- 1:16	0:29-0:49
1088	6	"	"	(16)	16:13-16:33	- 0:54	0:49-1:04
1089	7	"	"	(20)	16:33-16:53	- 0:36	1:09-1:29
1090	8	"	"	"	16:53-17:13	- 0:16	1:29-1:49
1091	9	"	"	(20)	17:53-18:13	+ 0:45	2:29-2:49
1092	10	"	"	"	18:13-18:33	+ 1:05	2:49-3:09
1093	"	"	"	"	18:33-18:53	+ 1:25	3:09-3:29
1094	12	"	"	(22)	18:53-19:15	+ 1:46	3:29-3:51
1095	13	"	"	(20)	19:15-19:35	+ 2:07:30	3:51-4:11
1096	14	"	"	(22)	19:35-19:57	+ 2:29	4:11-4:33

11.12/VII/56

L.

Am

1097	x1	α par (7790)	103a-0	(6 ^m)	+1:03	+1:06	5:55	6:01
1098	x2	α par	103a-0	8	+1:21	+1:25	6:13	6:21
1099	x3	α par	103a-0	8	+1:49	+1:53	6:41	6:49
1100	4	α Tuc	103a-0	70	+0:35	+1:10	7:20	8:30

12-13

13.14/VII/56

L.

1101	1	α Cir	103a-0	50 ^m	+5:31	+5:56	4:36	5:26
1102	x2	α par (7790)	103a-0	12	+0:59	+1:05	5:47	5:59
1103	x3	α par	103a-0	8 ^m	+1:16	+1:20	6:04	6:12
1104	4	γ Cap (8278)	103a-0	70 ^m	+0:38	+1:13	6:42	7:52

26-12	5	p	1	4+3	11.6	13.3-13.2
"	"	"	2	"	11.5	13.2-13.5
"	"	"	1	"	11.4	13.5-13.3
"	"	p.m.d	2	"	11.4	13.3-13.1
"	"	"	1	"	11.4	13.1-13.3
"	"	"	2	"	11.4	13.3-13.2
"	"	"	1	"	11.0	13.2-13.1
"	"	p.m.d	2	"	10.9	13.1-13.0
"	"	"	1	"	10.8	13.0-12.7
"	"	"	2	"	10.8	12.7-12.5
"	"	"	1	"	10.7	12.5-13.0
"	"	"	2	"	10.6	13.0-13.2

26-12	5	1	6	9.7	11.6	11.6
23 _e -5	5	2	6			
23 _s -12	5	1	6	9.6	11.4	11.3
26 _s -12	5	2	3+3	9.1	11.0	10.7

26 _s 12	5	1	3+3	11.1	12.6	12.5
26 12	5	1	3+3	10.5	12.2	12.1
" "	5	2	3+3	10.4	12.1	12.1
" " "	5	1	3+3	10.4	12.0	11.5

13-14/VII/56 K.

T.V.

1105 X 1	μ Cen (5193)	103a-0	(20)	17:03-17:23	+3:26	1:26-1:46
1106 2	η Cen (5440)	"	(12)	17:33-17:45	+3:06	1:56-2:08
1107 X 3	ζ Sco (6615)	"	(39)	18:05-18:44	+0:40:30	2:28-3:07

14-15/VII/56 H

~~1108 1 α Cru (4750) 103a-0 (9) +1:35 22:15~~

18-19/VIII/56 L.

 1108 1 α Cir 103a-0 62 $\pm$ +2:54 +3:25 1:36 2:38

19-20/VII/56 F-H

1109 X 1	ζ Cru (4750)	103a-0	(10)	+4:07	0:26-0:36
1110 X 2	ζ Cru (4751)	"	(10)	+4:20	0:38,5-0:49,5
1111 X 3	ζ Pav (4790)	"	(7)	-3:00	1:19,5-1:26,5
1112 X 4	ζ Pav (4790)	"	(9)	-2:47	1:31-1:40

L.

1113 1	γ Cap (8278)	103a-0	70	-0:49	4:48 5:58
1114 2	ϵ PsA (8628)	"	75		6:26 6:36

31/VII-1/VIII/56 K

1114	1 γ 2 Q ϕ h (6453)	103a-0	20	18:14,5-18:34,5	+1:06	1:24-1:49
1115	2 " " "	"	"	18:34,5-18:54,5	+1:26	1:49-2:09
1116	3 " " "	"	"	18:54,5-19:14,5	+1:46	2:09-2:29

26-12	5 p.m.	1	3+3	13.1	15.6 - 15.4	x
"	" "	2	"	13.3	15.4 - 15.2	
"	" "	1	"	13.2	15.1 - 15.2	

~~25-12 mod 1 5 refusa mal a la comparsa~~

20 - min.	54	1	3+3	10.4	13.2	12.2
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25-12	5	1	5	10°5-11°1	x le dio espionaje en exceso debido a deficiencia en la relojería.
" 4	1	2	5	11°0-11°1	
" 5	1	1	5	10°4- 4	x involutio el reloj
" 5	1	2	5	10°3-10°3	

23 5	5	1	3+2	5.7	8.6
------	---	---	-----	-----	-----

23 5	5	2	3+2	4.9	7.5
------	---	---	-----	-----	-----

Se desajusta la
relojería

26-12	5 d.p.	1	4+3	7.0	9.8 - 9.6
"	" "	2	"	6.7	9.6 - 9.4
"	" "	1	"	6.4	9.4 - 9.5

6-7/VIII/56

H

T.V.

1117X1 2 Cru (420) 102a-0 (7)

+ 4:55

23:04.5 - 23:11.5

1118X2 2 Cru (420) " (105)

23:16 - 23:26.5

7-8/VIII/56 K

1 420 Oph (6453) 102a-0 (20) 17:54 - 18:19 +0:51 0:45 - 1:05

10-11/VIII/56 K

1119 1 420 Oph (6453) 102a-0 (20) 17:40.5 - 18:00.5 +0:31.5 0:14 - 0:34

2 " " " 18:00.5 - 18:20.5 +0:51.5 0:34 - 0:54

16-17/VIII/56 H

1120 1 2 Cru (420) 102a-0 (7)

+ 4:30

23:00 - 23:07

1121 2 2 Cru (420) " (105)

23:08 - 23:18.5

1122 3 2 Pav (7790) " (7)

- 2:53

23:36 - 23:43

1122 4 2 Pav (7790) " (8)

23:45 - 23:53

16-17/VIII/56 L

1123 1 2 Cir (5463) 102a-0 (64)

+ 4:45 + 5:17 1:32 2:36

17-18/VIII/56 G, K

f = 35.42 (después muchos ensayos)

C1 1 Marche A II-E (F.v.) 5 +25 21:51:40 3:57:28

" 15 52:00 57:48

" 5 52:30 57:18

1 6

11° - 10°9

2

26 - 12 5 d.p. 1 4+3 10.2 12.2 -

26 - 12 5 p 1 4+3 10.3 13.6 - 13.3

" " pd. 2 v 10.1 13.3 - 12.9 Velo: + 10^m

24 - 12 4 1 6 13°1 -

" 4 4 2 6 - 12°8

" 5 5 1 4 12°8 -

" 4 4 2 6 - 12°8

34 - 5 4 1 4+3 10.2 12.0 11.5.
9.7

5 -5 21:52:40 3:57:28 5 -25 21:54:00 3:58:14

" -15 52:50 57:38 " -15 54:15 59:03

" -20 53:10 57:58 " -5 54:30 59:18

36

1 mark

II E (F. Z.)

F. Z.

c. 10

S. 10

T. S.

T. U.

5

+5

21:54:40

3:59:28

1

15

54:50

59:38

"

22

55:25

4:00:13

 $\phi = 35.40$

C2

2 mark

B

II E (F. Z.)

5

7 + 25

22:40:20

4:45:08

"

20

40:30

45:18

"

15

40:35

45:23

"

10

40:42

45:30

"

5

40:50

"

0

40:58

"

-5

41:10

"

-10

41:18

"

-15

41:22

"

-20

41:33

"

-25

41:42

C3

3 mark

A

II G (F. a.)

5

-7

-25

22:52:20

Expos. prolong.

-20

52:35

-15

52:45

-10

52:55

-5

53:00

0

53:10

+5

53:22

10

53:32

15

53:42

20

53:52

25

54:10

5 0 -25 22:42:28

" -20 42:40

" -15 42:47

" -10 42:56

" -5 43:08

" 0 43:15

" +5 43:21

" 10 43:30

" 15 43:35

" 20 43:44

" 25 43:54

5 0 25 22:54:53

" 20 55:02

" 15 55:12

" 10 55:20

" 5 55:35

" 0 55:43

" -5 55:53

" -10 56:02

" -15 56:10

" -20 56:16

" -25 56:23

5 -7 25 22:44:15

" 20 44:25

" 15 44:32

" 10 44:38

" 5 44:43

" 0 44:53

" -5 44:58

" -10 22:45:05

" -15 45:11

" -20 45:18

" -25 45:24

5 +7 -25 56:48

" -20 57:01

" -15 57:10

" -10 57:25

" -5 57:45

" 0 57:49

" 5 57:10

" 10 57:18

" 15 57:30

" 20 57:40

" 25 22:58:52

C4	4	Marte	B II-0	5	7+25	23: 07: 52	5: 12: 45
			Expos. rapida	"	20	08: 10	
				"	15	08: 20	
				"	10	08: 26	
				"	5	08: 34	
				"	0	08: 43	
				"	-5	08: 52	
				"	-10	09: 15	
				"	-15	09: 25	
				"	-20	09: 32	
				"	-25	09: 38	

		18-19/VIII/56	K		$f=35.40$	Comienzo (T.U)	Fin (T.U)
C5	1	Marte	II-0	5	A	5: 30: 30	5: 38: 00
C6	2	"	II-G	"	B	5: 51: 00	5: 57: 30
C7	3	"	II-E	"	A	6: 06: 00	6: 10: 30

		19-20/VIII/56	H				
C8	1	Marte	II-E	5	A	3: 24: 09	de 15 ^s en 15 ^s
	2	"	II-E	"	B	3: 24: 09	de 10 ^s en 10 ^s
C9	2	"	II-E	"	B	3: 45: 09	"
C10	3	"	II-0	"	A	3: 58: 09	"

5 0 -25 23:10:01

" -20 10:08

" -15 10:15

" -10 10:24

" -5 10:35

" 0 10:46

" 5 10:58

" 10 11:05

" 15 11:14

" 20 11:20

" 25 11:27

5 -7 25 23:11:47

" 20 11:55

Corrido

" 0 23:12:35

" -5 12:45

" -10 12:55

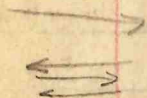
" -15 23:13:05

" -20 13:14

" -25 13:20

enfogu 14:72

Temp. cúpula + 8.5



24-25/VIII/56 K

C11	1	Marte	II-O	4	Velo	A	7:42:30	7:52:30
C12	2	"	II-E	"	"	B	8:03:00	8:07:30

25-26/VIII/56 F-H

C13	1	Marte	II-E	5		A	7:38:13	7:39:33
	2	"	II-O	5		A	7:57:12	
C14	3	"	II-G	5		B	8:02:10	8:06:30

27/28 VIII/56 S-F

C-15	1	Marte	II-E		Veloingula	A	1:37:26	1:41:56
C-16	2	"	II-G		"	B	1:47:25	1:51:54
C-17	3	"	II-O		"	A	1:59:26	2:02:44
							2:04:54	2:05:54

28-29/VIII/56 K

C18	1	Marte	II-E	4	m	A	3:24:30	3:29:10
C19	2	"	II-G	"	"	B	3:37:00	3:41:30
C20	3	"	II-O	"	"	A	3:55:00	3:59:30
C21	4	"	II-O	"	"	B	4:02:30	4:07:00

1-2/IX/56 H

Marte

C22	1	II-E	5	A	5:03:25	5:07:
C23	2	II-G	"	B	5:14:	5:15:17
C24	3	II-O	"	A	5:23:26	5:27:

6-7 / IX-56 S Marte : Kuben y Mas nubes!!!

por favor
 Bois Vaque dos o 3 series de placas 7-8/IX/56
Carlos Henrique

	7-8/IX/56	K	Marte	
C 25	1 II-O	5 "	A 1:21:26	1:25:3
C 26	2 II-O	" "	B 1:33:02	1:37:42
C 27	3 II-O	" "	A 2:31:44	2:34:41
C 28	4 II-G	" J	B 2:43:00	2:44:50
C 29	5 II-E	" "	A 2:52:15	2:58:50
C 30	6 II-E	" K	B 3:04:34	3:06:33

	7-8/IX/56	J	Marte	
C31 5 series 9	P1200	" "	A 3:51:40	3:54:00 F. Amorillo
C32 5 " 10	P1200	" "	B 3:56:00	3:58:20 F. Rojo
C33 5 " 11	P1200	24 "	A 4:03:30	4:05:25 F. Rojo
5 " 12	P1200	4 "	A 4:11:00	4:12:53 F. Amorillo
C34 5 " 13	P1200	4 "	A 4:17:00	4:18:50 F "
5 " 14	P1200	" "	A 4:24:05	4:26:08 F "
C35 5 " 15	P 1200	" "	B 4:28:47	4:30:41 F. Rojo
C36 5 " 16	HPS	" "	A 4:36:00	4:38:30 "
C37 5 " 17	"	" "	B 4:40:45	4:43:00 F. Amorillo

42

8/9 IX/56

F

C38	1	II E	✓	A	2:38:42	2:43:12	
	2	II G	✓	B	2:48:41	2:53:12	
	3	II O	✓	A	3:03:42	3:08:12	
C39	4	II E	✓	A	3:56:28	4:00:58	nota
	5	II G	✓	B	4:06:27	4:10:57	
	6	II O	✓	A	4:18:37	4:20:12	

10/11 IX/56

S

C40	1	II E	5	A	3:07:00	3:09:45	Con Baelow
C41	2	II G	5	B	3:25:00	3:27:00	Sim Baelow
C42	3	II O	5	A	en adelante Sim Baelow.		
C43	3	P12.00	5	A	3:35:00	3:37:05	Amarillo
C44	4	"	"	B	3:41:00	3:43:02	Rojo
C45	5	P12.00	"	A	3:53:00	3:54:58	simple
C46	6	"	"	B	3:56:00	3:58:10	Rojo
C47	7	II-O		B	4:06:00	4:07:40	
C48	8	II-G		A	4:10:00	4:12:01	

11-12 IX/56

K

C48	1	II-O	5	A	5:43:00	5:47:00	
C49	2	II-O	"	B	6:03:00	6:07:30	
C50	3	II-G	"	A	6:23:30	6:27:30	
C51	4	II-E	"	B	6:33:00	6:37:00	

13-14-1K-56 S. Maite

							F	Foco
1 P1200 5 A 17 ^h 10 ^m							34.40	
							.50	
							.60	
							.70	
							.80	
							.90	
							35.00	
35.00	x	x90	x80	x70	x60	x50	x40	34.30
x	x	x	x	x	x	x	x	34.40
35.00	.90	.80	.70	.60	.50	34.40		33.00
								32.90
								32.80
								32.70
							17 ^h 20 ^m	

La piqueta de foco anterior no dice nada
 Otra piqueta de foco:

2 P1200 5 B 17 50 ^m							F	Foco
x	x	x	x	x	x	x	34.40	
							80	
x	x	x	x	x	x	x	20	
							10	
x	x	x	x	x	x	x	34.00	
							33.90	
x	x	x	x	x	x	x	33.80	
80	90	00	10	20	30	40		

18ⁿ 15^m T.V. Se toma como compromiso

F: 34.30

C 52	3	II-E	5	A	6: 30:00	6: 34:30
C 53	4	II-G	"	B	6: 41:00	6: 45:40
C 54	5	II-O	"	C	6: 51:30	6: 56:00

19^{hs} 30m: Las placas naturalmente malas. Están
picadas. Ello se debe indudablemente a que
son defectuosas y no a cosas viejas e inne-
diatas.

En la placa nº 5 se observa el caque por el. en las
otras... nada. El enfoque es malo. ¿vál el en-
foque?

No creo que las imágenes sean malas por turbulen-
cia de la atmósfera, había poca.

No creo que lo sean por "velo" por la noche es 5.

Al comienzo, 16ⁿ 45^m, las imágenes visuales
están como siempre: pésimas. En este instrumento
may bato encerrado.

No se repite la serie completa por no vale
la pena por la baja altura < 40° de norte.

Se repite la II-E.

6	II-G	5	A	Z: 58:18	8: 2:58
---	------	---	---	----------	---------

7	P1200	"	B		F. Am.
---	-------	---	---	--	--------

8	"	"	A		F. Ref.
---	---	---	---	--	---------

Velo!
y espeso!!

7	P1200	4	A	8:35	60s	80ci
---	-------	---	---	------	-----	------

8	"	4	A	8:40	120s	80ci
---	---	---	---	------	------	------

4:11 Revertidas las placas 6, 7, 8 se comprueba

a) La placa 6 ha recibido luz y se halla completamente velada, se observan una serie de grumos o burbujas que justifican lo afirmado antes: son defectuosas. De ahí la opacidad.

b) las placas 7 y 8 están corridas.

Marte

15-16/IX/56

G-H

C55 1 II-E 5 B 1:08:47

C56 2 II-E 4 A 1:54:40

C57 2 II-G 4 B 2:03:40

C58 4 II-E 4 A 5:26:00

C59 1 II-G 4 B 5:35:06

C60 6 II-O 4 A 5:49:04

las últimas 2 líneas, cada 5^sseparadas cada 5^s

Marte

16-17/IX/56

H

C61 1 II-E 5 A 2:11:00

C62 2 II-G 5 B 2:16:00

C63 2 II-O 5 A 2:21:00

Con el espejo difractingo

1/2 Sup.

imágenes de 10 en 10m

Cada 5^s

por la luna.

Marte

17-18/IX/56

S

Difragana X2

C64 1 P1200 4 C 2:30:00

cada 10^s

F R030

C65 2 II-E 4 A 2:41:15

" "

C66 3 II-G 4 B 2:50:00

" "

— 4 II-O 4 A 3:01:20

" "

C67 5 II-E 5 A 3:30:20

" "

— 6 II-G 5 B 3:36:30

" "

C68 7 II-O 5 A 3:49:30

" "

19/20 IX/56 Marte. F.

Díaf. X2

1 II-E	3 velo A	1:38:00	cada 10 ^s	Imágenes de 10 en 10 min
2 II-G	9 velo B	1:45:00	"	
3 II-O	2 velo especial A	1:58:00	"	

my relado

Marte 22-24/IX/56 H

C72	1 II-E	5	A 0:18:00-0:19:30	Imágenes	Díaf. X2
C73	2 II-G		B 0:24:00-0:27:00	my	
C74	2 II-O		A 0:35:00	my	
C75	4 II-E		B 0:38:00-0:40:30	malas	Díaf. X2
C76	5 II-G		A 0:48:00-0:50:40		
C77	6 II-O		B 0:53:00-		

Marte 24-25/IX/56 H

C78	1 II-E	5	A 2:31:00-2:42		Díaf. 1
C79	2 II-G	5	B 2:35:00		
C80	3 II-O	6	A 2:42:00		
C81	4 II-E		B 2:50:00		Díaf. 2
C82	5 II-G		A 2:56:00		
C83	6 II-O		B 3:02:00		

Marte 25-26/IX/56 K

C84	1 II-E	5	A 2 ^h 40 ^m - 2:42:30	Q=2
C85	2 II-G	"	A 2:49-2:51:30	"

March 26-27/9/56 K

C 86	1	II O	5	A	1:57-1:59:32	D = 2
C 87	2	II E	5	B	2:04-2:05:44	"
C 88	3	II G	"	A	2:23-2:25:7	"
C 89	4	II E	"	B	2:49-2:51:1	D = 1
C 90	5	II G	"	A	3:6:15-3:8:29	"

March 27-28/IX/56 H

C 91	1	II-E	5	A	2:11:00-	} D 1
C 92	2	II-G	"	B	2:18:00-	
C 93	3	II-O	"	A	2:22:00	
C 94	4	II E	"	B	2:31:10	
C 95	5	II G	"	A	2:37:30-39.2	
C 96	6	II O	"	A	2:41:20	

March 3-4/X/56 H

C 97	1	II-E	5	A	1:19:00	} D 1
C 98	2	II-G	"	B	1:25:15	
C 99	3	II-O	"	A	1:33:10	
C 100	4	II-O	"	B	1:37:00 39?	

March 4-5/X/56 H

C 101	1	II-E	5	A	1:10:00	} D 1
C 102	2	II-G	"	B	1:14:00	
C 103	3	II-O	"	A	1:21:00	
	4	II-O	"	B		

6-7/II/56 K

Marte

C 104	1	II-E	5m	A 1:21-1:23:30
C 105	2	II-G	"	B 1:24-1:31
C 106	3	II-O	"	A 1:49-1:57:30
C 107	4	II-O	"	B 1:54-1:56
C 108	5	II-E	"	2:07:30-2:10
C 109	6	II-G	"	2:15-2:17:30

} 1 in diaphragma

~~C 110~~ Marte 8-9/X/56 H

C 110	1	II-E	5	A 2:15:30
C 111	2	II-G	5	B 3:09:00
C 112	3	II-O	5	A 3:16:00

} 1
maia
maia

Marte 9-10/II/56 K

C 113	1	II-E	5	A 4:05:30-4:13:30
	2	II-E	"	B 4:13:30-4:20
C 114	3	II-G	"	A 4:34:30-4:37
C 115	4	II-G	"	B 4:41:30-4:43:30
C 116	5	II-O	"	A 5:00:00-5:03
C 117	6	II-O	"	B 5:05:30-5:08

} 2

Marte 10/11/X/56 F

Shaf. X 1

C 118	1	II-E	4	A 1:47:12-1:52:42
C 119	2	II-G	4 relo	B 1:56:12-2:00:52
C 120	3	II-O	4	A 2:16:12-2:17:52

Marte 10-11/X/56

Diaf. 1

C 121	4	II-E	4 neotofutiff	3:26:56 - 3:31:26
C 122	5	II-G	4 " " B	3:36:56 - 3:41:26
123	6	II-O	5 " " A	3:48:56 - 3:53:52

14-15/X/56 Marte H

C 124	1	II-E	5	0:28:00
C 125	2	II-G	6	0:31:00
C 126	3	II-O	7	0:35

D 2

~~C 127~~ 15/16/X 56 Marte F Diaf. 2

C 127	1	II-E	3 relo	0:31:25 - 0:36:05
C 128	2	II-G	3 "	0:40:15 - 0:44:55
C 129	3	II-O	3 "	0:53:15 - 0:57:45

C 130 17-18/X/56 K Marte

C 130	1	II-E	5	A 2:46 - 2:49:30
C 131	2	II-G	"	B 2:56 - 2:59
C 132	3	II-O	"	A 3:07

D 1

18-19/X/56 So

Marte

C 133	1	II-E	5	A 2 ^h 06 00	2:09:30
C 134	2	II-G	5	B 2 14 00	2:17:20
C 135	3	II-O	5	A 2 33 00	2:36:25
C 136	4	II-E	5	B 2 39 00	2:42:40

Diaf. XI

23-24/X/56

D⁷1st Se

C 137 1 II-E 5
 C 138 2 II-G 5
 C 139 3 II-O 5

A 13 59 00 14 03 10
 B 13 06 00 14 10 00
 A 14 12 30 14 15 40

D:2
 X2

24-25/X/56 K

Marte

C 140 1 II-E 5
 C 141 2 II-G 4
 C 142 3 II-O 4
 C 143 4 II-O 4
 C 144 5 II-O 4

A 0:26-0:28:30
 B 0:33-0:35:30
 A 0:47-0:50
 A 1:06-1:09
 B 1:12-1:15

D.:2
 F:3458

26-27/X/56 K

Marte

C 145 1 II-E 5
 C 146 2 II-G 4
 C 147 3 II-O 4

A 2:00-2:03:30
 B 2:04-2:06:30
 A 2:22-2:25

D.:2

27/28/X/56 F

Marte

Diat. 2 F:34.80

C 148 1 II-E 5
 C 149 2 II-G 5
 C 150 3 II-O 5

A 1:22:05-1:26:25
 B 1:31:05-1:35:25
 A 1:42:05-1:46:25

29/30/X/56 F

Marte

Diat. 2 F:35.00

C 151 1 II-E 5
 C 152 2 II-G 5
 C 153 3 II-O 5
 C 153 4 II-O 5

A 1:21:00-1:25:30
 B 1:29:04-1:33:35
 A 1:40:03-1:42:23
 A 1:47:53-1:50:13

1-2/XI/56		Marte Se			
1	II-E	5	3 ⁿ 90 ^{ms}	3 ⁿ	11.10 ^s
2	II-O	5	3 13 30	3	15.30
3	II-6	5	3 17 10	3	20.00

9-10/XI/56		K			
1	—	103a-0	La primera de las placas		
2	—	IIa-0	"		

12-15/XI/56		H			
3	luna	IIa-0	2:27:00	2:31:00	
4	Marte	"	2:56:00	3:03:00	

20-21/XI/56		K		T. 1		t		T. V. °	
HU 1124x1	α Phe (99)	IIa-0	(35 ^h)	C. 1:07	F. 1:42	+1:00		C. 0:58	F. 1:33
1125 2	β Phe (322)	"	(85)	1:53	3:18	+1:32		1:44 - 3:09	

21-22/XI/56		L.							
1126 1	α Dor (1465)	IIa-0	(45)	2:59	3:44	-1:34		22:26 - 1:12	2:47 - 3:32
1127 2	α Dor (1465)	IIa-0	(58)	4:16	5:13	- 0:16 +0:06		4:03 - 5:01	

27-28/XI/56		K							
x 1128 1	α Phe (99)	103a-0	(35)	1:55	2:30	+2:50		1:19 - 1:54	
1129 2	β Phe (322)	"	(85)	2:40	4:05	+2:20		2:04 - 3:29	

34 - 13

1 6¹

"

2 6¹

- 13

1 7⁵

- 13

2

Ran.	C.	ch.	Ar.	T.C.	T. ^C _F ²⁸
26 - 13	5 m.p.	1	4 ¹ +4 ¹	18.7	20.9 - 21.4
"	" "	2	"	18.5	21.1 - 21.5

26 - 13

5 mybumps 1 4+4

18.2 23.7 - 23.7

26 - 13

4 2 4+4

17.7 23.5 - 22.8

Desde 4:43 (6) velo fuerte

26 - 13

5 p. 1 4¹+4¹

23.2 25.6 - 25.4

F: 30,61

"

1 " 2 "

22.9 25.3 - 24.5

		28.29/XI/56		L. ef.	0	T.V.		H.C.G.		H
Hu 1130	1	α Dor (1465)	103a-0	(47)	5:50 6:37	5:09 - 5:56	+1:48	+1:42		
1131	2	α Dor (1465)	103a-0	(62)	7:39 8:41	6:58 - 8:00	+3:07	+3:38		
		5.6/XII/56		L.	0	H.C.G.		H ₀	H _m	
1132	1	α Dor (1465)	103a-0	(60)	2:43 3:43	1:35 2:35	-1:50	-1:20		
1133	2	μ Lep (1702)	103a-0	(40)	4:05 4:45	2:57 3:37	-1:06	-0:46		
		6.7/XII/56		L.						
1134	3	α Cir (5463)	103a-0	(71)	7:04 8:25	5:52 7:13	16:26	17:06		
		12.13/XII/56		L.						
1135	1	α Dor (1465)	103a-0	(50)	4:59 5:52	3 ^h 23 ^m 35 ^s - 4 ^h 13 ^m 27 ^s	+0:27	+0:54		
Charis 2 cargado con pl. 2 está en el espectrógrafo										
		18-19/II/56		K.				T.V.		
1136	1	23 δ Eri (1136)	103a-0	(140)	4:30 6:50	+2:01	2:31	4:51		
		1-2/I/57		K.						
1137	1	23 δ Eri (1136)	103a-0	(140)	7:31 - 6:51	+2:06	1:38	3:58		

26-13	5 pm	1	8 ^s	21.9	24.5	24.0	
26-13	5 pm	1	4+4	21.9	23.8	24.1	5 ^m pendulo
26-13	5 pm	1	4+4	18.4 17.4	26.5	25.4	
26-13	5 pm	1	4+4	17.0	25.9	26.5	
26-13	5 d	1	4+4	17.4	24.7	24.7	10 ^m pend. velos
5 ^(*) -13	5	1	4+4	22.7	25.1	24.9	3 ^m pend
				Se nubló			
5-13	5 pd	1	4+4	20.0	24.9-25.2-24.8		delo
6-13	5 dm	1	4+4	26.6	29.0-28.5-29.3		

(*) El primer 5 después del mínimo, que resulta ser, con tornillo suelto el primer 5 antes del 30

22-23/II/57 F-H. $\oplus$

1	2 Cor	103a-0	(1 ^m)	6:47:02-48:02
2	"	"	(1 ^m)	6:51:32-52:52

	1-2/III/57	K.	T.3.	$\pm$	T.U
1138	1 31 η Cma (2827)	103a-0	9 ^m 8:10-8:19	+0:54	1:23-1:32
	2 "	"	" 8:31-8:40	+1:14	1:44-1:52
1139	3 "	"	9 9:10-9:19	+1:53	2:23-2:32

	9-10/III/57	K.			
1140x	1 β Car (3685)	103a-0	6 ^m 10:46-10:52.5	+1:37	3:25-3:31.5
1141	2 5 β Vir (4540)	"	8 ^m 12:13-13:38	+1:07	4:52-6:17

	10-11/III/57	K.			
1142	3 β 3090	103a-0	58 ^m 8:24-9:22	+1:03	1:02-2:00

	19-20/III/57	F-H	T.S.		
1143	1 2 Cor	103a-0	40 ^s 9:15.0-	+2:55	1 ^h 17 ^m 42 ^s -

20-III-57

los charis 1 y 2 de aluminio han sido modificados el ultravioleta.

anchura - largo

02 - 13

2 65

24.2

02 - 11

1 65

24.4

Cielo

Arco

T del espectro.

6 - 13

5 m

1 4+4¹

18.0 22.0 - 21.8

~~18 - 13~~~~4 m~~~~2 8¹~~~~17.7 21.5 - 21.4~~

31 - 13

5 m

1 4+4¹

17.6 21.5 - 21.5

18 - 10

5 m

1 4+4

21.4 23.0

"

5 m

2 4

20.5 22.3 - 25.0

18 - 10

5 m

1 4+4

21.8 24.5 - 24.0

16 - 5

5 b

branco 85

cords - obteniéndose espectros 3 milímetros más hacia

22-23 / III - 57 F-H ④ R. 468 - t

1144	✓ 1	2 Cor	106a-0	1 ^m	7:42:30-	23 ^h 34 ^m 10 ^s	
1145	✓ 2	2 Cor	"	"	7:45:20-	20 ^h 37 ^m 00 ^s	
1146	✓ 3	2 Cor	"	1 ^m	8:29:10 -	02 20 50	
1147	✓ 4	2 Cor	"	"	8:34:10	25 50	
1148	✓ 5	2 Cor	"	"	8:39:10	30 40	
1149	✓ 6	2 Cor	"	"	8:44:10	35 30	
1150	✓ 7	"	"	"	8:49:10	40 20	
1151	✓ 8	"	"	"	8:54:10	45 20	
	✓ 9				8:59:10	4	
1152	✓ 10	"	"	"	9:04:10	50 10	
1153	✓ 11	"	"	"	9:09:10	55 00	
1154	✓ 12	"	"	"	9:14:10	59 50	
1155	✓ 13	"	"	"	9:19:10	1 04 40	
	✓ 14				9:24:10		
1156	✓ 15	"	"	"	9:29:10.	09 30	
1157	✓ 16	"	"	"	9:34:10	14 30	3:04
1158	✓ 17	"	"	"	9:39:10	29 20	
1159	✓ 18	"	"	"	9:44:10	24 10	
1160	✓ 19	"	"	"	9:49:10	29 10	
1161	✓ 20	"	"	"	9:54:10	34 00	
1162	✓ 21	"	"	"	9:59:10	39 00	3:28
1163	✓ 22	"	"	"	10:04:10	43 50	
1164	✓ 23	"	"	"	10:09:10	48 50	
1165	✓ 24	"	"	"	10:14:10	53 ^m 50 ^s	5:44

Ranma
 ancho largo
 largo ancho

16 - 5	5	1	9 ^s
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"
16 - 5	5	2	"
16 - 5	5	1	"

Calificación ⊕

7:30 - pendio 27°3

8:30 - 30°2

8:42 - 29°6

9:09 - 28°7

9:23 - 28°2

9:39 - 27°6

9:57 - 27°2

10:07 - 26°9

10:15 - pendio 26°7

10:15 - pendio 27°3

11:55 27°2

22/23/III

4 467

T.U.
Carruango

t

1166	1	x Val (1754)	103a-0	(11)	10:18:00	2 ^h 08 ^m 31 ^s -	0:59
1167	2	x Cru (4760)	"	(11)	10:57:00	2 ^h 47 ^m 24 ^s -	1:27
1168	3	x Cru (4751)	"	(11)	11:05:20	2 ^h 55 ^m 43 ^s	
1169	4	67 x Vir (5056)	"	(2)	11:21:00	3 ^h 11 ^m 21 ^s	2:00

26/27/III/57

F

4 468

t

T.U

1170	1	x Cru	103a-0	1 ^m	7:18:00	0:59	22:53
1171	2	x Cru	"	"	7:28:00		23 04
1172	3	x Cru	"	"	7:38:00		14 10
1173	4	x Cru	"	50 ^s	7:43:00		19 10
1174	5	x Cru	"	1 ^m	7:48:00		24 10
1175	6	x Cru	"	1 ^m	7:58:00	1:38	34 10
1176	7	x Cru	"	45 ^s	8:03:00		39 10
1177	8	x Cru	"	1 ^m	8:08:00		54 10
1178	9	x Cru	"	1 ^m	8:18:00		23:54
1179	10	x Cru	"	1 ^m	8:28:00	2:07	04 10
1180	11	x Cru	"	45 ^m	8:33:00		09 10
1181	12	x Cru	"	1 ^m	8:38:00	2:17	14 10

26-28/III/57 K

1182	1	x Val (3940)	103a-0	35 ^m	10:29-11:04	+0:52	2:03-2:38
------	---	--------------	--------	-----------------	-------------	-------	-----------

16-5 5 2 9

16-5 5 1

16-5 5 2

16-5 5 2

Arco

16-5 5 1 9

16-5 5 2 "

16-5 5 1 "

16-5 5 2 7

16-5 5 1 9

16-5 5 2 9

16-5 5 1 7

16-5 5 2 9

16-5 5 1 9

16-5 5 2 9

16-5 5 1 7

16-5 5 2 9

temp 25.0
~~temp~~

27.4

26.4

26.0

25.5

16-5 5 pm 1 43+4 17.6 25.2-24.5

62

L-6 228

J = -52 40

	8/3/IV/57	F	6468	t	TV
1183	1 x Can	103a-0 1 ^m	17:52:00	1:31	22:36:00
1184	2 x Can	" 1 ^m	8:00:00		44 00
1185	3 x Can	" 70 ^s	8:05:30		49 00
1186	4 x Can	" 60 ^s	8:10:00		54 00
1187	5 x Can	" 80 ^s	8:17:00		23 01 00
1188	6 x Can	" 1 ^m	8:20:00		23:04:00
1189	7 x Can	" 90 ^s	8:25:00		09 00
1190	8 x Can	" 1 ^m	8:32:00	2:61	16 00
1191	9 x Can	" 70 ^s	8:35:00		23 19 00
1192	10 x Can	" 1 ^m	8:40:00	2:19	24 00
1193	11 x Can	" 50 ^s	8:46:00		23 30:00

	10/11 IV/57	F			
1192	1 x Can	103a0-80 ^s	7:36:00		22 06:00
-	2 x Can	103a0-90 ^s	7:40:00	2:13	

	29/IV/57	H			
1	Clio	103a0	Curt		12:50.5-13:21.5

	2-V-57	H			
1193	1 Clio (11)	103a-0	Curt		13:09-13:20
1194	2 " (10)	"	"		13:56.5-14:06.5

t

16 - 5 5 1 7½ 22:0

16 - 5 5 2 7½

16 - 5 5 1 8

16 - 5 5 2 7½

16 - 5 5 1 8 23:0

16 - 5 5 2 7

16 - 5 5 1 9

16 - 5 5 2 7

16 - 5 5 1 8

16 - 5 5 2 7

16 - 5 5 1 8 22:5

} defecto de reculado

16 - 5 4 nubes 1 8 23:7

16 - 5 4 2

con nubes

16 - 5 5 1 14:5

16 - 5 5 2 13:0 13:1

16 - 5 5 1 13:6 13:6

23/1/57

L.

8

T.U.

1195 1 α Cir (5463) 1032-0 60 13:56 14:56 (-0:42 -0:12) 3:07 4:07

6-7/1/57

H

T.U.

1196	2	α Hya (3248)	"	(60)	8:47.2	21:41.5 - 21:46.5	-0:05
1197	X	β Crv (4786)	"	(60)	9:05.5	22:00 - 23:00	fin +0:42
1198	X	α Boo (5240)	"	(5)	12:02.5 14:02.5	1:58 - 2:58	completo +0:33
1199	X	α Boo (5140)	"	(7)	14:16	3:12 - 3:17	
1200	X	γ Crv (4765)	"	(45)	14:41 - 15:26	3:21.5 - 3:29.0	
1201	X	α Tra (6217)	"	(20)	16:10	4:56 - 5:06	
1202	X	α Tra (6217)	"	(25)	16:12 - 16:40	5:08.5 - 5:33.5	
1203	X	γ Sgr (6859)	"	(65)	16:50.5 17:55	5:47 - 6:52	
1204	X	γ Sgr (6859)	"	(60)	18:00 - 19:00	6:53 - 7:53	
1205	X	β Aqr (8232)	"	(57)	20:12.5	8:13 - 9:10	
1206	X	β Aqr (8232)	"	()	20:56.5	9:12 - 9:53	

El 10 de mayo se plateó el espejo y se también abrió el espectrógrafo para ajustar tornillos de fijación de los prismas.

3.2 60

2.7 20

1.2 07

0.2 03

16 5

5

1

18.7

~~16-5 5 1 20.7~~

16-5 5 2 20.6-20.3 d

16-5 5 1 18.9 d-b

16-5 5 2 18.9

16-5 5 1 19.1-

16-5 5 2 18.7-

16-5 5 1 18.7

16-5 5 2 18.2

16-5 5 1 18.5-18.5

16-5 5 2 18.5-

16-5 5 1 18.5-

16-5 5 2 18.5-

				T. J		T. U			
		23.24/V/57	L.	Eq.					Hm
1207	1	α Cir (5463)	103a-0	54	14:17	15:13	2:05	3:01	-0:22 +0:06
1208	2	α Cir (5463)	103a-0	60	16:15	17:15	4:03	5:03	+1:38 +2:08
		24.25/V/57	L.						
1209	1	α Cir (5463)	103a-0	60	14:54	16:24	2:38	4:08	+0:14 +0:54
1210	2	α Cir (5463)	103a-0	65	16:30	17:35	4:14	5:19	+1:50 +2:22
		29.30/V/57	L.						
1211	1	α Cir	103a-0	65	14:03	15:08	1:27	2:32	-0:34 -0:02
		9-10/V/57	K.			T. U.			
1212	1	κ Cen (5576)	103a-0	22	15:36	15:58	+0:52	2:17	2:39
		20.21/V/57	L.			T. U.			
1213	1	α Cir (5463)	103a-0 (65)	12:59	14:04	22:57	0:02	-1:08	-1:40
1214	2	α Cir	103a-0 (65)	14:09	15:17	0:07	1:15	+0:05	-0:29
1215	3	α Cir	103a-0 (66)	15:31	16:40	1:29	2:38	+1:29	+0:55
		22-23/V/57	K.	T. J		T. U.			
1216	1	γ Crv (4662)	103a-0 (15)	14:08	14:23	+2:04	23:56	0:12	
1217	2	" "	" "	14:41	14:56	+2:26	0:23	0:48	
		24-30/V/57	K	T. J		T. U			
1218	1	γ Crv (4662)	103a-0 (15)	13:54	14:07	+1:50	23:15	23:15	

Cup: E

16 5	4	1	4+4	8,5	13,8		2 ^m perd.
16 5	4 mp	2	3+3	8,2	12,5	11,9	
16 5	5 mp	1	3+3		13,7	13,0	3 ^{om} perd
16 5	5 mpd	1	3+3	8,3	12,8	13,5	
16 min	5	1					
16 min	5	1	3+3	9,4 8,8	14,0	13,6	
16-5	5 dm	1	4+4	4,4	9,5	9,4	
16-min.	5	1	4+4	10,8	14,5	14,0	
16-min	5	2	4+4	9,9	14,0		3 ^m perd.
16-min	5 mcl	1	4+4	9,2	13,5	13,3	3 ^m perd.
16-5	5	1	4+4	6,2	12,3	12,2	
16-5	5	2	"	6,1	11,6	11,6	
16-5	5 m	1	4+4	4,1	8,4	8,2	

68

29-30/V/57 K

T. J

T. U

x1219	2	2 Cen (5132)	103a-0 (10)	14:19	14:24	0:49	23:40	23:50
x1220	3	4 Cen (5248)	" (48)	14:39	15:24	1:09	0:00	0:48
x1221	4	2 Lup (5354)	" (53)	15:34	16:24	1:45	0:55	1:48
x1222	5	5p Leo (5920)	" (48)	16:41	17:29	1:13	2:02	2:50
x1223	6	42 Q Oph (6453)	" (27)	17:39	18:06	0:35	3:00	3:22

1-2/VII/57 H.

T. U.

1224X1		8 Cru (4765)	103a-0 (60)	23:24	00:24			
1225X2		2 Tri A (6217)	103a-0 (40)	00:39	01:19			
1226X3		" " "	" (30)	01:20	01:50			

11-VII-57 H.

1227	1	Cabo (15)	103a-0	13:13.5	13:28.5			
1228	2	" (18)	"	13:33	13:51			

W. W. W. W. W.

~~1229~~ 13-14/VII/57 K

T. J.

T. U

x1229	1	8p Leo (5984)	103a-0 (14)	12:30	17:44	+1:36	1:56	2:10
x1230	2	23 E Leo (6165)	" (14)	17:55	18:09	+1:31	2:21	2:35
x1231	3	34 r Leo (6508)	" (14)	18:20	18:34	+1:01	2:46	3:00
x1232	4	24 q Leo (7039)	" (28)	18:50	19:18	+0:23	3:16	3:44
x1233	5	41 r Leo (7264)	" (30)	19:25	19:55	+0:34	3:51	4:21
x1234	6	41 r Leo (7264)	" (30)	19:55	20:25	+1:05	4:21	4:51

16-5	5m	2	4+4	3.8	8.1	8.0
"	" m	1	"	3.4	7.9	8.0
"	" md	2	"	3.0	8.0	7.5
"	" md	1	"	2.7	7.6	8.0
"	" md	2	"	2.5	8.2	8.2

16-5	5m	1	4+4	8 ⁰⁰ - 8 ⁰³
"	"	2	4+4	8 ⁰² - 8⁰² 7 ⁰⁹
"	"	1		7 ⁰⁹

13-0	5	1	4+4	9 ⁰² - 9 ⁰²
13-0	1	2	4+4	9 ⁰² - 9 ⁰²

16-5	5d	1	4+4	1.3	6.0	6.0
"	"	2	"	1.1	5.8	5.7
"	"	1	"	1.0	5.5	5.4
"	"	2	"	1.0	6.4	5.8
"	"	1	"	1.0	6.6	6.0
"	"	2	"	0.8	5.9	5.6

15-16/VII/57 H

1 2 TrA (6217) 103a-0 (40) 00:44.5-

2

20-21/VII/57

K

T. A

T. V

1235 1 8 p' Leo (5984) 103a-0 (14) 17:35 17:49 +1:41 1:33 1:47

1236 2 42 O Oph (6453) " (24) 17:56 18:23 +0:52 1:54 2:21

1237 3 34 r Leo (6508) " (14) 18:36 18:50 +1:17 2:34 2:48

22-23/VII/57 H

1238 X 1 2 TrA (6217) 103a-0 (30) 16:11 -

00:00 - 00:30

2

23-24/VII/57 H

1239 1 2 TrA (6217) 103a-0 (22^h) 15:45 -

23:25 - 23:47

29-30/VII/57 H

1240 X 1 2 TrA (6217) 103a-0 (25) 17:10.4 +0:21 00:26 - 00:51

1241 X 2 2 TrA (6217) 103a-0 (25) 17:129.5 00:51.5 - 01:16.5

1242 X 3 2 TrA (6217) 103a-0 (28) 17:56.5 01:18.5 - 01:48.5

30-VII/57 H

1243 4 Ophi 103a-0 (5)

Cent

12:50 - 12:55

1244 5 " " (2)

"

12:57 - 13:04

16-5

21

1

8°1 -

Le nublo

16-5

5 mp

1

4+4

4.2 8.3

8.1

11

5 mp

2

4

4.1 8.0

7.9

11

11

1

11

4.0 7.8

7.8

16-5

5 mp

1

1+3

9°0 - 8°8

veleral promediar
la exponción

16-5

5

1

1+3

11°6 - 11°5

Exceso de lavado

16-5

5

1

1+3

9°0

9°0

16-5

5

2

3+2

9°0

9°0

16-5

5

1

3+2

8°9

8°8

16-5

5

1

5

5°6

16-5

5

2

5

5°6

2-VIII-57

T.U.

1243 1 Cielo 103a-O (4)

Hopeni

Cenit

12:59 - 13:03

1244 2 " " (5)

"

13:08,5 - 13:13,5

5-6+VIII-57

16:30

1245 X1 α TrA (6217) 103a-O (32) 16:30

-0:10

23:25 - 23:27

1246 X2 α TrA (6217) " (35) 17:05,5

00:00 - 00:05

3 ~~luna~~ " (1^{III})

00:48 - 00:49

1247 4 ~~luna~~ " (1^{II})

00:50,5 - 00:52

6-VIII-57

1248 5 Cielo 103a-O (4)

Cenit

12:47,5 - 12:51,5

6 ~~Cielo~~ " (5)

"

12:54,5 - ~~12:57,5~~ 13:00

8-9 VIII 57 F.

7 15469
0

T.U. del medio

1249 1 α Lup (8536) 103a-O (10) 15:21 - 15:31 0:48

22:05

1250 2 α Lup " (12) 15:32 - 15:44

22:17

1251 3 " " (15) 15:44:30 - 15:59:30 1:13

22:29

1252 4 " " (10) 16:00 - 16:10 1:28

22:45

1253 5 " " (12) 16:10:30 - 16:22:30 1:38

22:56

9-VIII-57

H

1254 1 CIELO 102a-O (3)

Cenit

13:45 - 13:48

1255 2 CIELO " (3)

"

13:50,5 - 13:53,5

10-5	5	5 ³	1	4 ⁰ 2
"	5	5 ³	2	4 ⁰ 2

16-5	5	m d	2+3	1	12 ⁰ 7 - 12 ⁰ 6
"	"	"	2+3		12 ⁰ 6 - 12 ⁰ 6

16-5	5	5	10 ⁰ 0
"	"	5	

años largo

16-5	5	1	3+3	12 ⁰ 7
------	---	---	-----	-------------------

16-5	5	2	3+3
------	---	---	-----

"	"	1	3+3	12 ⁰ 6
---	---	---	-----	-------------------

"	"	2	3+3
---	---	---	-----

"	"	1	3+3	12 ⁰ 4
---	---	---	-----	-------------------

algo mas de 12⁰ de
expresión

16-5	5	1	5	6 ⁰ 7
------	---	---	---	------------------

"	5	2	5	6 ⁰ 7
---	---	---	---	------------------

74

5469 BS

0 + 6h 20

14/15 VIII - 57

F

0

+

+U del medio

1256	1	x Lup. (8536)	103a-0 (12)	1556 20 - 1608 30	1:25	22 ^h 22 ^m
1257	2	"	" (11)	16 07 - 16 20		22 ^h 34 ^m
1258	3	"	" (12)	16 24:30 - 16 32 30		22 ^h 46 ^m
1259	4	"	(15)	16 33 30 - 16 48	2:03	23 ^h 00 ^m

demasiado rojo.

17-18/VIII/57

H

1	α_1 Cru (4420)	103a-0 (35)
2	α_2 Cru	" (58)

17-18/VIII/57

K

T. 1

T. V

1260	1	α Ara (1510)	103a-0 (15)	18:30 18:45	+1:10:30	0:38 0:53
1261	2	α Ara (6510)	" (15)	18:45 19:00	+1:25:00	0:53 1:08
1262	3	θ Leo (6553)	" (4)	19:08 19:19	+1:41	1:16 1:27
1263	4	α Tel (6894)	" (35)	19:30 20:05	+1:26	1:38 2:13
1264	5	γ I Peg (7264)	" (30)	20:20 20:50	+1:29	2:28 2:58
1265	6	β Cap (7776)	" (48)	21:02 21:50	+1:08	3:10 3:58
1266	7	γ Gem (8353)	" (22)	22:05 22:24	+0:26	4:13 4:35

20-21/VIII/57

T. V

1267	1	α_1 Cru	101a-0 3.5			22:02-22:10.5
1268	2	α_2 Cru	" 5.5			22:07.5-22:13
1269	3	α_1 Cru	" 3.5			22:15.5-22:19
1270	4	α_2 Cru	" 5.5			22:21.5-22:27

16	5	5 md	1	3+2	11.1	Velo?
"	"	"	2	3+2		"
"	"	"	1	3+2		"
"	"	"	2	3+2	10.8 - 10.9	"

empresario la
noche

16-5

11.0

16-5	5	1	4+4	5.1	10.0	10.0
"	"	2	"	4.9	9.9	9.7
"	"	1	"	4.6	9.5	9.4
"	"	2	"	4.2	9.2	9.0
"	"	1	"	3.8	8.7	8.4
"	"	2	"	3.6	8.3	8.0
"	"	1	"	3.5	8.3	8.0

16-menor	5	1	55	12.08	
"	5	2	53	12.08	1400
"	5	1	55	14.00	
"	5	2	55	13.09	

1271 5 α_1 Cru

103a-0 (4) (4)

22:29,5 - 22:31,5

~~22:29,5 - 22:31,5~~1272 6 α_2 Cru

u. (6) (6)

22:36 - 22:42,5

9-10/X/57

Cámara de Marte
Placa de enfoque

28.00

20

40

60

) más distancias

12-13/X/57

K

T. 1

C. de 40 $\frac{\text{Å}}{\text{mm}}$ T. U.

1	24 α RA (8728)	103a-0 (35)	0:31,5	0:35	1:39	2:56,5	3:00
2	24 α RA (8728)	" (35)	0:45,5	0:49	1:53	3:10,5	3:14

14-15/X/57

F Rayos de cámara 40 $\frac{\text{Å}}{\text{mm}}$ 1 β Gm (3^{mag}) 103a-0 (5m) 22 41-22 462 β Gm " (10m) 22 49-22 59 0:153 β Gm 103a-0 (15) 23 34-23 49 1:044 β Gm 103a-0 (20) 23 50 30-24 0 30 1:24

Para las placas 3 y 4 la noche fue empieorando

15/X/57

K

C. 40 $\frac{\text{Å}}{\text{mm}}$

1

2

16 - menor	5	5	1400
"	5	5	1308

16 - 5	5	A	4+4	13.9	18.2	18.1	} superexpresión * y Fe
"	"	B	"	13.9	18.0	17.9	

					t	
26 - 12.0	5	A	2 ^s		21.3	Espectro de la estrella gruesa
"	"	B	3 ^s		21.4	" " " muy débil
"	4	A	3 ^s		21.3	<u>no zinc</u>
"	4	B	2		21.2	

Resultado: la cámara estaba deshenfocada. Se la enfoca

32 - 5	A	1 ^s + 1 ^s
"	B	2 ^s + 2 ^s

16/x/57 F. Ensayo de la cámara de 40 A/mm.
 1 Cielo 103a-0 (1^m) placa 4½ x 2 TV = 17h 15^m
 2 " 103a-0 (2^m) " " 17 20

Resultado' estar enfocado entre 3900 Å - 4300 Å

18/19 x /57 F Cámara de 40 A/mm.
 1 HD 267098 (3.0) 103a-0 (1^m) 23.05-23:20
 S Capru. el puzo demasiado relado

19-20/x/57 K C. 40 A/mm

1 } el ensayo del arco con el ledito esmirilado
 2 }
 3 x Phe (99) 103a-0 (12^m) T. 1 0:40 0:52 +0:23 2:38 2:50
 4 " " (17^m) T. U. 1:09 1:17 +0:45 2:58 3:15

21-22/x/57 H T. U.

HJ1273 1 x LAV (7790) 103a-0 (7) 23:22-23:29 ~
 HJ1274 2 x LAV (7790) " (9) 21:48- 23:38,5-23:47,5 ~ + 1:28
 1275 3 x LAV (7790) " (11) 0:14,5-0:25,5
 4 x LAV (7790) " (19) 0:26,5-0:35,5

F 20 A/mm

5 x Agr (8414) 103a-0 riga (6^m) 23:12-0:12 1:02-2:02 +1:40
 1276 6 x Car 103a-0 r (1^m) 1:20-1:21 3:10-3:11 -5:03
 1277 7 x Car " (1^m 10^s) 1:30-1:31:10 3:20-3:21 -4:53

36-12 mbres A 2^s 17.5 placa inutil
 " " B 3^s

24-12 relido A 2 1/2^s 18.8 placa inutil

32-5 A 1¹+1¹
 " B 2¹+2¹ buena
 " 5pm A 2¹+2¹ 13.5 18.1 18.1 1/2 + 2 superexp-
 " " B " 13.2 18.1 18.1 1/2 + 2 infas.

15-5 5 d 1 5^s 20.5 -

15-5 " 2 5^s 20.5 -

15-5 " p 1 9^s 20.5

15-5 " 2 9^s 20.5

16-12 5 2 4+4 20.6 no salió nada (?)

16-5 5 1 10^s 20.5 5^s sin vidio esmerilado es

16-5 5 2 5^s 20.5 que 10^s con vidio esmerilado
 (aspecto de compresión)

			TO	t
	8 ^h 2 ^m Car	10300 r (1 ^m 10 ^s)	2:05-2:06:10 3:55	-4:17
1278	9 ^h "	" " (1 ^m 10 ^s)	2:12:30-2:13:40 4:04	-4:08
1279	10 ^h "	" " (1 ^m 10 ^s)	2:22:50-2:24:00 4:14	-3:59
1280	11 ^h "	" " (1 ^m 10 ^s)	2:30:00-2:31:10 4:20	-3:52
1281	12-13 "	" 55 (1 ^m 20 ^s)	2:40-2:41:20 4:30	-3:43
1282	13 "	" 55 (1 ^m 20 ^s)	2:50-2:51:20 4:40	-3:33

El espectro de comparación debe ser 5^h2^m.

23/24 X 157 F Cámara 40 #/mm TU del medio U = 22 43 → 0 =

1283	1	Cap. (3 ^m 0)	Ha-on (4 ^m)	21:37-21:41 23:22	-0:05
1284	2	"	" (7 ^m)	21:43-21:50	+0:03
1284	3	"	" (7 ^m)	21:55-22:02 23 ^h 41 ^m 30 ^s	
1285	4	"	" (10 ^m)	22:05-22:15 23 ^h 53 ^m	+0:27
1286	5	"	" (13 ^m)	22:17-22:30 0:06:30 ^s	+0:38
1287	6	"	" (16 ^m)	22:34-22:50 0 ^h 25 ^m	+0:53
1288	7	"	Ha-or (7 ^m)	22:53-23:00 0 ^h 39 ^m 30 ^s	+1:12
1289	8	"	" (13 ^m)	23:02-23:15 0 ^h 51 ^m 30 ^s	+1:25
1290	9	"	1030-0 (4 ^m)	23:17-23:21 1 ^h 02 ^m	+1:36
1291	10	"	" (7 ^m)	23:24-23:31 1 ^h 10 ^m 30 ^s	+1:44
1292	11	"	" (10 ^m)	23:36-23:42 1 ^h 24 ^m	+1:57

El espectro de comparación debe darse de 3 a 45.

Las placas Ha-on parecen ser menos sensible que la Ha-or.
La estrella debe salir entre un tiempo entre 4^h 7^m. La

$\Delta T = 0.0$

16-5	5	1 8	20°8	sin espectro de compar. ⁽¹⁾
16-5	5	2 5°	20°8	
"	"	2 5 1/2°	20.2	
"	"	1 5°	20.6	
"	"	2 5	20.7	} Entre 2 espectros de menor calidad que los anteriores. Las placas son de la misma época, pero están catodadas desde hace ~ 2 a 3 meses.
"	"	2 5	20.6	
21 ^h 00			22.3	
24-12	5	A 3°	22.5	espectro estrella débil; comparación ± bien
	5	B 2+2	23.5	algo poco con el timostato
24-12	5	C 2+2	23.2	
"	5	A 2+3	23.0	el reloj debe haber disminuido 1"
"	3 relo	B 1+2	22.9	espectro de comparación <u>bueno</u>
"	4-3 relo	C 2+2	22.6	relo variable entre -1" y -2"
"	4	B 2+1	22.4	
"	4	A 2+3	23.0	
"	4	B 1+ 2	22.7	
"	4	B 2+2	23.2	
"	4-5	A 3+2	22.9	$\Delta T = 0.0$

y ambas nuevas, sensible que la 103a-0.

estrella tiene un espectro muy débil. No sirve para ensayo.

25/26 x F 40 A/mm

G

T.V. del medio

1292	1	β Ayr (3.6)	103a-0 (6 ^m)	22 43-22 49	0 ^h 21 ^m 20 ^s	1:16
	2	"	" (8 ^m)	22 53-23 01	0 ^h 32 ^m 20 ^s	1:27
	3	"	" (10 ^m)	23 04-23 14	0 ^h 44 ^m 13 ^s	1:38
	4	"	" (12 ^m)	23 16-23 28	0 ^h 57 ^m 10 ^s	1:52
	5	"	" (16 ^m)	23 31-23 47	1 ^h 14 ^m 10 ^s	2:09

Se tomó otra estrella más débil. Salio apenas.

1/2 X1.57 F

40 A/mm

G

T.V. inicial

t medio

1293	1	β Ayr (3.6)	103a-0 (6 ^m)	22 31-22 37	23 46	1:18
	2	"	" (8 ^m)	22 42-22 51	0:02	1:32
1294	3	"	" (12 ^m)	22 55-23 07	0:15	1:46
1295	4	"	" (15 ^m)	23 09-23 24	0:29	2:02

Las 3 placas son buenas. La mejor es la de 15^m. Tiempo en

T.V. del medio

4/5 X1/19.7 F 20 A/mm

~~4/5 X1/19.7 F 20 A/mm~~

1296	1	β Ayr (3.6)	103a-0 (42 ^m)	23 48-0:30	1 ^h 05 ^m	+ 2:41
1297	2	α Car (2326)	" (70 ^s)	0:51:30-0:52:40	1 ^h 48 ^m	- 5:28
1298	4	"	" (70 ^s)	0:59:00-0:00:00	1 ^h 55 ^m 30 ^s	- 5:21
1299	3	"	103a-0 (70 ^s)	1:03:50-1:05	2 ^h 00 ^m 20 ^s	
1300	5	"	" (80 ^s)	1:13-1:14:10	2 ^h 09 ^m 30 ^s	- 5:07
1301	6	"	103a-0 (70 ^s)	1:21:50-1:23	2 ^h 18 ^m 20 ^s	
1302	7	"	" (80 ^s)	1:26-1:27:30	2 ^h 22 ^m 40 ^s	4 55
1303	8	"	103a-0 (70 ^s)	1:31:50-1:33	2 ^h 28 ^m 20 ^s	
1304	9	"	" (70 ^s)	1:32:50-1:39	2 ^h 34 ^m	

30-12	5	A 2+	20.5	
"	5	A 2+1	20.3	
"	5	B 2+2	20.2	
"	5	B 2+1 1/2	20.0	no anda calefacción(!)
"	5	A 2	19.8	

30-12	5	A 2+1 +v.e.	21.0	se salió la tapa del diamm al sacarlo
"	5m	A 2+1 "	21.0	
"	5m	B 2+1 "	20.9	
"	5m d falso imágenes	A 2+1 "	20.7	

ficiente $\sim 12^m$

15-5	5	1 3+2	22.4 - 20.0	estrella bien hasta 4028 Å
"	5	2 5 1/2	21.5	comp. algo fuerte
"	5	1 5 1/2	21.5	glitter MB
"	"	3 "	21.7	glitter comp. algo fuerte
"	5	2 6		
"	"	1 5 1/2		
"	"	2 6	21.5	
"	"	1 5 1/2		
"	"	2 5 1/2		

AT = -2.0

84

					T.V. initial	
1305	10	α Car	103a-0	70	144:50-1:45	2:36 4 36
1306	11	"	IIa-0	80	1:49:40-1:51	2:41
1307	12	"	103a-0	70	1:54:50-1:56	2:46
1308	13	"	IIa-0	90	2:00:30-0:2	2:52
1309	14	"	103a-0	70	2:06:50-2:08	2:58 4 16
1310	15	"	103a-0	70	2:16:50-2:18	3:08 4:05

Placas IIa-0 mucho mejor que 103a-0. En IIa-0 sale muy

		8/9-XI-57	F	40 A/mm	TU = 0:26 → 9 _{LP}	23:45
1311	1	^{HD} 218640-1 (89 Ayr)	103a-0	(50 ^m)	0:37-1:27	1:18 + 1:55
1312	2	223640 (108 Ayr)	"	(68 ^m)	1:35-2:43	2:06 + 2:21

		16-17/XI/57	K	H _γ : 20 $\frac{\text{Å}}{\text{mm}}$	t	T.V.
1313	1	49δ Cap (8322)	103a-0	(25)	0:35-1:00	+3:16 0:43-1:08

		23-24/XI/57	K	T: 1.	t	T.V.
1314	1	49δ Cap (8322)	103a-0	(25)	0:50-1:15	+3:19 0:30-0:55
1315	2	49δ Cap (8322)	"	"	1:21-1:46	+3:50 1:01-1:26
1316	3	Q Eri (897)	"	(46)	2:59-3:45	+0:27 2:29-3:25
1317	4	Q Eri (897)	"	"	4:05-4:51	+1:33 3:45-4:31

		10-16/XII/57	F	20 A/mm	T: 468	t	T.V.	T.V. ^{ul. med.}
1318	1	α Car	IIa-0	(80 ^s)	4:33:30-4:34:30	-1:46	3 06	306 50
1319	2	"	"	90 ^s	4:40:40-4:42:10	1:40	3 13	314 30
1320	3	"	"	90 ^s	4:50:00-4:51:30	1:30	3 23	321 50

15-5	5	1 5 1/2		
"	5	2 6		hasta 4045 Å
"	5	1 5 1/2	21.4	
"	5	1 5 1/2		
"	5	2 5 1/2		mal guiada
"	5	1 5 1/2	21.4	
bien en 90°. Comparación 5 ^a .				

30-12	5d	A 2+1 + 5.0	^{bajando} 17° 5' - 16.6	se terminata anda de cual- quier manera.
"	5d	B 2+1 + 5.0	16° 5' - 15.5	

16-5 5 p,d 1 4¹+4¹ 16.3 22.0-22.5

4_y: 20 $\frac{\text{Å}}{\text{mm}}$

16-5	5 dm	1 4 ¹ +4 ¹	16.7 21.6 - 21.4
"	"	2 "	16.0 21.5 - 21.1
"	"	1 "	13.5 20.4 - 19.8
"	"	2 "	12.2 19.0 - 18.3

$$AT_{408} = \cancel{20.0} + 20.0$$

16-5	5	1 5 1/2	22.9
"	5	2 5 1/2	22.7
"	5	3 5 1/2	22.6

86

~~ΔT₄₆₈ = +0.15~~

				T.S. 468		TU	T
1321	4	x Can	Tr O 90°	5:00 - 5:01:30	- 1:22		33350
1322	5	"	"	5:07:40 - 5:09:10	- 1:16		34120
1323	6	"	"	5:13: - 5:14:30	1:08	347	34640
1324	7	"	"	5:20 - 5:21:30	1:00		35340
1325	8	"	"	5:30 - 5:31:30	0:51	404	40340
1326	9	"	"	5:43 - 5:44:30	0		41640
1327	10	"	"	5:46:30 - 5:48	0:35		42010
1328	11	"	"	5:52 - 5:53:30	0:29		42540
1329	12	"	"	5:56 - 5:57:30	0:26		42930
1330	13	"	"	6:01 - 6:02:30	0:20		43480
1331	14	"	"	6:07 - 6:08:30	0:14		44030
1332	15	"	"	6:10 - 6:11:30	0:11		44330
1333	16	"	"	6:13 - 6:14:30			44630
1334	17	"	"	6:19 - 6:20:30	0:02		45230
1335	18	"	"	6:23 - 6:24:30	+ 0:02		45630
1336	19	"	"	6:30 - 6:31:30	+ 0:08		50330

11-XII-57

H

TU

1 Cielo

103a.0 (2nd) Canit

12:27.5 - 12:30

2 Cielo

(2nd) "

12:32.0 - 12:34.0

11-12/XII-57

F

TS 325

TU

1337 1 x Can

11a.0 90°

1:14 - 1:15:30

23^h 44^m 00^s

- 5 07

1338 2 "

"

1:24 - 1:25:30

23 54 00

- 4 58

1339 3 "

"

1:34 - 1:35:30

0 04 00

- 4 48

16-5	5	1 5 1/2	22.5
"	5	2 5 1/2	22.5
"	5	3 5 1/2	22.6
"	5	1 5 1/2	22.6
"	5	2 5 1/2	22.6
	5	3 5 1/2	22.6
		1 "	
		2 "	
		3 "	
		1 "	
		2 "	22.6
		3 "	
		1 6 1/2	
		2 5 1/2	22.6
		3 "	
"	5	1 5 1/2	22.6

Se juntaron los polos del arco

se perdió la placa(!)

16-5		1 5 1/2	20.2
16-5		2 5	

$$\Delta T_{325} = -3^{\circ}$$

16-5	5	1 5 1/2	25.0
	5	2 5 1/2	24.8
	5	3 5 1/2	24.0

mal fijada

— puede ser que haya sido
mal, sea 27.0
26.8 (2)
26.8

88				TS ₃₂₅	TU	t
1340	4 α Cas	120.0	90°S	1:44-1:45:30	0:14	-4 37
1341	✓ "	"	"	1:54-1:55:30	0:24	4 28
1342	6 "	"	"	2:04-2:05:30	0:34	4 17
1343	7 "	"	"	2:14-2:15:30	0:44	

	12-13/XII/57	H	T.U.	t
1344X	β Cet (128)	1059.0 (22)	23:56-00:18	+0:50
2				

16-17/XII/57 F

A las 20.³⁰ HLA calle α Cas. A los pocos ^{minutos} 20' el viento sur algo difusa. El efecto era notable también en el bosqueado. H₂O simple termómetro era de 29.5. En el exterior la temperatura debe

	17/12/17/XII/57	H	T.U.	t
1345 1	Cielo (Cent)	1059.0	2 ^m	12:25-12:27 40:00
1346 2	Cielo "	"	1.5 ^m	12:59.5-13:01 "
1347 3	Cielo "	"	75 ^S	13:29.8-13:31 "
1348 4	Cielo "	"	70 ^S	13:35.5

18/19 - XII - 57

F-A

				0468	TU	t
1349	1 α Cas	120.0	90°S	2:18-2:19:30	0 21 0 20 40	4 03
X	2 "	"	"	2:26-2:27:30	0 29 0 28 40	3 55
X	3 "	"	"	2:42-2:43:30	0 34 40	3 40
1350	4 "	"	"	2:47-2:48:50	0 49 50	3 35

ΔT₄₆₈ = +18°

16-5	5	1 5 1/2	26.5 (?) que pasó con el terremoto???
"	5	2 5 1/2	26.4
"	5	3 5 1/2	26.4
"	5	1 5 1/2	26.4
"			

16-5 1 4^s 25°5-25°1 pasando veloz
cerrado por nublado.

fresco que cubrió completamente la imagen, siendo notablemente
rota se notó un centelleo apreciable. La temperatura en el
labor descendió varios grados en ^{fines de la columna (Stijssche)} muy poco tiempo. F.

16-5	5	1 3 1/2	21°5
"	5	1 3	21°5
"	5	1 2 1/2	

$$\Delta T_{\text{veg}} = +16^{\circ}$$

16-5	5	1 5	24°5	imagen difusa
16-5	5	2 5 1/2	24.5	A.
		3 sin espectro		
16-5	5	2 5 1/2		A

1351	5	α Car	Πa-o	90 ^s	2:52-2:54:30	0 55 30	3 28
1352	6	α Car	"	120 ^s	2:59-3:01:00	1 01 30	
x	7	"	"	90 ^s	3:06-2:07:30	6 08 30	3 15
x	8	"	"	"	3:15-3:16:30	1 17 30	3 06
1353	9	"	"	"	3:21-3:22:30	1 25 30	3 00
1354	10	"	"	"	3:27-3:28:30	1 29 30	
1355	11	"	"	"	3:36-3:37:30	1 38 30	2 45
x	12	"	"	"	3:41-3:42:30	1 43 30	

20/21-XI-57

F.

0468

T.V.

1356	1	α Car	Πa-o	90 ^s	3 22-3 23:30	1 16 40	- 2 59
1357	2	"	"	"	3 34-3 35:30	1 28 40	
1358	3	"	"	"	3 46-3 47:30	1 40 30	2 36
1359	4	"	"	"	3 58:30-4:00	1 53 00	2 23
1360	5	"	"	"	4 10-4:11:30	2 04 30	2 10
1361	6	"	"	"	4:22-4:23:30	2 16 30	1 59
1362	7	"	"	"	4:34-4:35:30	2 28 30	
1363	8	"	"	"	4:46-4:47:30	2 40 20	1 34
1364	9	"	"	"	4:58-4:59:30	2 52 20	

21-22/XII/57

K.

T.1.

T. V.

1365	1	α Col (1956)	103a-o (11)	4:41	4:52	-0:50	2:32-2:43
1366	2	α Col	" (11)	4:54	5:05	-0:38	2:45-2:56
1367	3	κ Cln (2538)	" (36)	5:39	6:15	-0:50	3:30-4:06
1368	4	κ Cln	" (36)	6:21	6:57	-0:08	4:12-4:48

16-5	5	3 5 1/2	24.7	
16-5	5	1 5 1/2		A
16-5	5	2 5 1/2		
"	5	3	24.7	guirige defectuos anula de
"	"	1 5 1/2		
"	"	2 5 1/2		
"	"	3 5 1/2		A
"	"	1 5 1/2	24.5	

$$\Delta T_{y68} = +16^{\circ}$$

16-5	5	1 ~ 5 1/2	26.5	
"	5	2 5+	26.5	
"	5	3 5+	26.4	
"	4 relo?	1 5+	26.5	
"	5 m	2 5+	26.5	La imagen empeoró
"	5 m	3 5+	26.6	
"	5 m	1 5+	26.7	
"	5 m	2 5+	26.7	
"	5 m	3 5+	26.7	

16-5	5 d	1 4+4	16.8	24.2	24.5	
"	"	2 "	16.5	24.2	24.0	
"	"	1 "	15.2	22.6	23.0	
"	"	2 "	14.6	23.5	23.5	

22/23-XII-57

F

0468

TU TU

1369	1	x Car	Dec-0	90 ⁵	2 06 - 2 07 30	23 50	23 52 50	- 4 15
1370	2	"	"	"	2 18:45 - 2:20:15		0 05 40	- 4 02
1371	3	"	"	"	2 30 - 2 31 30	0 14	0 16 50	3 51
1372	4	"	"	"	2 42 - 2 43 30		0 28 40	3 39
1373	5	"	"	"	2 54 - 2 55 30		0 40 40	3 27
1374	6	"	"	4 ^m	2 58 30 - 3 02 30		0 45 10	3 22
1375	7	"	"	90 ⁵	3 06 - 3 07 30		0 50 40	3 15
1376	8	"	"	"	3 18 - 3 19 30		1 04 40	3 02
1377	9	"	"	"	3 30 - 3 31 30	1 14	1 16 40	2 50
1378	10	"	"	"	3 42 - 3 43 30		1 28 40	2 39

23-24/XII/57 K

T. J

T. U

1379	1	5 ^m Lep (1702)	103a-0	(36)	5:35 - 6:11	+0:43	3:18 - 3:54
	2	"	"	"	6:13 - 6:49	+1:21	3:56 - 4:32
1380	3	x Col (1956)	"	(11)	7:15 - 7:26	+1:43	4:58 - 5:09
1381	4	"	"	"	7:28 - 7:39	+1:56	5:11 - 5:22

30-31/XII/57 K

T. J

T. U.

1382	1	5 ^m Lep (1702)	103a-0	(36 ^m)	5:25 - 6:01	+0:33	2:40 - 3:16
1383	2	14 ^g Lep (1998)	"	(48 ^m)	6:09 - 6:57	+0:49	3:24 - 4:12
1384	3	14 ^g Lep (1998)	"	(48)	7:08 - 7:56	+1:48	4:23 - 5:11

16-5	5	1 5+	29.0	plus regular
"	5	2 5 1/2	28.8	
"	5	3 5	29.0	
"	5	1 5+	28.8	
"	5	2 5+	28.7	ditto
"	5	3 5+	28.7	
"	5	1 5 1/2	28.5	
"	5	2 5+	28.5	
"	5	3 5+	28.6	
"	5	1 5+	28.7	

16-5	5 m	1 4+4	22.9	28.4	27.8	
"	"	2 "	22.6	27.5	27.1	
"	"	3 "	22.3	26.8	26.7	✓
"	"	1 "	22.3	26.7	26.6	✓

16-5	5 m, i	1 4+4	19.4	24.3 - 24.0	✓
"	"	2 "	18.7	23.6 - 23.2	✓
"	"	3 "	18.4	23.0 - 22.6	✓

9-10/4 I/57 H

 t_{medis}

T J

1385 X1 β Lep (1829) Π_a-O (60)

+ 0:20

1:50 - 2:50

1386 X2 WCMa (2749) $101a-O$ (45)

+ 0:58

4:02.5 - 4:47.5

1387 X3 ϵ Car (3507) $102a-O$ (13)

5:00 - 5:13

1388 X4 α Hya (2748) $103a-O$ (35)

+ 0:13

5:55.5 - 6:30.5

1389 X5 α Hya (2748) $103a-O$ (35)

6:31 - 7:06

13/14 - I - 58 F

D468

 t_{medis}

TU TU

1390 1 α Car. Π_a-O 90°

340-3:41:30

-2:42

0:00 00

1391 2 "

"

349:10-3:50:40

0 09 00

1392 3 "

"

3:55-3:56:30

2:27

0 14 50

1393 4 "

"

4:01-4:02:30

2:20

0 20 50

1394 5 "

"

4:08-4:09:30

2:13

0 27 50

1395 6 "

"

4:14-4:15:30

2:07

0 33 50

1396 7 "

"

4:21-4:22:30

2:01

0 40 50

1397 8 "

"

4:30-4:31:30

4:51

0 49 50

1398 9 "

"

4:37-4:38:30

0 56 50

1399 10 "

"

4:47-4:50:30

1:33

1 08 50

~~1400~~ X 11 "

"

4:56-4:57:30

1:27

1 15 50

1400 12 "

"

5:02-5:03:30

1:20

1 21 50

1401 13 "

"

5:08-5:09:30

1:14

1 27 50

X 14 "

"

5:14-5:15:30

1:07

1 33 40

1402 15 "

"

5:19-5:20:30

1:03

1 38 40

1403 16 "

"

5:23-5:24:30

1 42 40

1404 17 "

"

5:28-5:29:30

0:53

1 47 40

16 - 5	5	1	5	26°5 -
"	5	1	5 1/2	26°1 - 26°8
4	5	2	5 1/2	
"	5	1	4 1/2	
4	5	2	4 1/2	

El viento mueve al
anillo -

Temperatura

 $\Delta T = 0.0$

16-5	5 dm	1	5	26.2	29.2
"	5 "	2	5+		29.0
"	5 "	3	5		29.0
"	5 "	1	5+		29.0
"	5 "	2	5		28.9
"	5 "	3	5		29.0
"	5 "	1	5		29.0
"	5 "	2	5		29.0
"	5 "	3	5		29.3
"	5 "	1	5		29.3
"	5 "	2	5		29.4
"	5 "	3	5+		29.1
"	5 "	1	5		29.2
"	5 "	2	5	20.8	29.3
"	5 "	3	5		29.5
"	5 rel?	1	5		29.4
"	4 rels	2			29.5

Hoyginter!!

mejor mejando

empeso a pasar un
velo muy debil.

	14-15/I/58	F	O ₄₆₈	tradio	TU	
1405	1 d Car	IIa-0	90 ⁺	440-441:30	1:42	4:00 05550
1406	2 "	"		446-447:30	1:36	1 0150
1407	3 "	"		453-454:30	1:29	1 0850
1408	4 "	"		455-500:30	1:23	1 1450
1409	5 "	"		503-504:30		1 1850
1410	6 "	"		509-510:30	1:12	1 2450
1411	7 "	"		515-516:30	1:07	1 3050
x 8	"	"		521-5:22:30	1:01	1 3640
1412	9 "	2		530-531:30	0:50	1 4540
x 10	"	"		541-442:30		1 5640

	16-17/I/58	H			
1413	x Taw (1450)	IIa-0	knura	+0:14	0:18-0:38
1414	x Lep (1865)	1	my dhl	-0:30	0:45-1:25

	17-18/I/58	K	T. 1.	t	T. U.
1415	1 x Col (1956)	103a-0 (11)	5:34 5:45	-0 ^h 09 ^m	1:34 1:45
1416	2 x Col "	" (11)	5:56 6:07	+0:25	1:56 2:07
	3 "	"			

	18-19/I/58	K.			
1417	3 x Col (1956)	103a-0 (11)	5:59 6:10	+0 ^h 28 ^m	1:59 2:10
1418	4 14 x Lep (1998)	" (48)	7:01 7:49	+1:41	3:01 3:49
1419	5 x Pic (2550)	" (35)	8:04 8:39	+1:35	4:04 4:39
1420	6 (3055)	" (53)	9:02 9:55	+1:41	5:02 5:55

16-5	5	1.5	29.4	
16-5	5	1.5	29.4	La calificación no opera automáticamente
16-5	5	2.5 1/2	29.3	
"	5	3.5	24.1 29.5	Frente iluminado con drs de Guinness
"	5	1.5	29.4	
"	4	2.5	29.3	relo
"	4	3.5	30.0	
"	4	1.5	24.0 29.6	$\Delta T = 0.0$
"	4	2.5	29.5	
"	4	3.5+	29.5	
"	4	1.5	29.5	La noche no mejoraba Mas tarde lloró
16-5	Parando miles	1 4 1/2	27.3	inicio fin de fase
"	"	2 1	26.9	
16-5	5 p	1 4+4	22.6 27.3 24.5	V
"	" "	2 "	22.4 24.1 24.0	V
"	" "	3 "	21.7	
"	"	1 "		
16-5	5 p.d	1 4+4	17.8 24.2 24.0	V
"	" "	2 "	16.7 22.8 22.4	V
"	"	3 "	15.8 22.8 22.5	V
"	" "	1 "	14.8 22.5 22.4	V

18-19/I/58		K	T. 1	T. U
1421	7	L Car (3699)	103a-0 (39)	10:08 10:47 +1:13 6:08 6:47
1422	8	p Car (4140)	" (32)	10:52 11:24 +0:39 6:52 7:24
1423	9	C Cen (4464)	" (30)	11:33 12:03 +0:15 7:33 8:03
1424	10	S Cen (4621)	" (14)	12:10 12:24 +0:13 8:10 8:24

19-20/I/58		K		
1425	1	14 L Lep (1998)	103a-0 (48)	5:51 6:39 +0:31 1:46 2:34
1426	2	x Pic (2550)	" (35)	6:55 7:30 +0:26 2:50 3:25
1427	3	(3055)	" (53)	7:42 8:35 +0:21 3:37 4:30
1428	4	L Pup (3165)	" (6)	8:43 8:49 +0:45 4:38 4:44
1429	5	O Vel (3444)	" (35)	8:57 9:32 +0:36 4:52 5:27
1430	6	108 G Car (3571)	" (53)	9:40 10:33 +1:13 5:35 6:28
1431	7	W Car (4032)	" (36)	10:44 11:20 +0:50 6:39 7:15

20/I/58		H		
1432	IX	Cielo	IIa-0 (80)	Cenit 13:20-
1433	2X	Cielo	IIa-0 (95)	Cenit 13:25

20-21/I/58		H		
1434	IX	x Tau (1457)	IIa-0 (18)	0:09-
1435	X	x Tau (1457)	" (18)	0:28
1436	X	x Lep (1865)	"	1:02-1:50

16-5	5pd	2	4+4	14.8	22.4	22.5	✓
"	" + "	3	"	14.5	22.7	22.8	✓
"	" + "	1	"	14.1	23.0	23.2	✓
"	" + "	2	"	13.8	23.0	23.0	✓

16-5	5p	1	4+4	17.7	23.5	23.4	✓
"	"	2	"	17.1	22.7	22.4	✓
"	"	3	"	16.7	22.7	22.7	✓
"	"	1	"	16.5	22.8	22.8	✓
"	"	2	"	16.3	22.3	22.7	✓
"	"	3	"	15.8	22.2	22.7	✓
"	"	1	"	15.6	22.5	22.0	✓
"	"	"	"				✓
"	"	3	"				✓

14-5 5 1 5^s

14-5 5 2 6^s

16-5 5 1 4^s 26°7

" 5 2 4^s 26°7

" 5 2

20-21/I/58		K	T, A		T, U	
1437	1	α Pic (2550)	103a-0	(35) 7:51 8:26	+1:21	3:42 4:17
1438	2	(3055)	"	(53) 8:34 9:27	+1:13	4:25 5:18
1439	3	108 G Car (3571)	"	(53) 9:36 10:29	+1:09	5:27 6:20
1440	4	γ Vel (3940)	"	(35) 10:38 11:13	+1:01	6:29 7:04
1441	5	ρ Car (4140)	"	(32) 11:20 11:52	+1:06	7:11 7:43
1442	6	δ Cen (4467)	"	(30) 12:01 12:31	+0:43	7:52 8:22

24-25/I/58		K	ΔT = +30 ^s			
1443	1	α Col (1956)	103a-0	(15) 6:34 6:49	+1:04	2:10 2:25
1444	2	13 κ CMa (2538)	"	(36) 7:02 7:38	+0:33	2:38 3:14
1445	3	(3055)	"	(53) 7:50 8:43	+0:29	3:27 4:20
1446	4	0 Vel (3447)	"	(35) 8:54 9:29	+0:33	4:31 5:06
1447	5	108 G Car (3571)	"	(53) 9:39 10:32	+1:12	5:16 6:04
1448	6	γ Vel (3786)	"	(65) 10:49 11:54	+1:53	6:26 7:31
1449	7	10 Car (4037)	"	(36) 12:05 12:41	+2:11	7:42 8:18

26-27/I/58		K				
1450	1	α Col (1956)	103a-0	(15) 7:09 7:24	+1:39	2:38 2:53
1451	2	ζ Pup (3165)	"	(6) 7:42 7:48	-0:16	3:11 3:17
1452	3	κ Pys (3468)	"	(35) 8:03 8:38	-0:21	3:32 4:00
1453	4	0 Vel (3447)	"	(35) 8:59 9:34	+0:37	4:28 5:03
1454	5	2 Vel (3654)	"	(39) 9:43 10:22	+0:57	5:12 5:51
1455	6	β Car (3685)	"	(6,5) 10:35,5 10:42	+1:27	6:04,5 6:11
1456	7	ε Car (3699)	"	(39) 10:49 11:28	+1:54	6:18 6:57
1457	8	10 Car (4037)	"	(36) 11:38 12:14	+1:44,5	7:07 7:43

7.6-5	5	1	4+4	19.0	25.2	24.8	✓
"	"	2	"	18.5	24.4	24.4	✓
"	"	3	"	18.4	24.4	24.4	✓
"	"	1	"	18.1	24.4	24.0	✓
"	"	2	"	17.9	23.6	23.3	✓
"	"	3	"	17.8	22.9	22.6	✓
"	"	1					

16-5	5	1	4+4	20.5	26.0	25.8	✓
"	"	2	"	20.1	25.4	25.0	✓
"	"p	2	"	19.6	25.0	24.6	✓
"	"n	1	"	19.1	24.2	23.8	✓
"	"n	2	"	19.0	23.5	24.8	✓
"	"	1	"	18.2	25.2-25.2-25.0		✓
"	"	3	"	18.2	25.1	25.3	✓

16-5	5 d.p	1	4+4	17.5	23.8	23.7	✓
"	" " e	2	"	16.5	23.5	23.4	✓
"	" n o	3	"	16.0	22.6	22.4	✓
"	" n	1	"	14.5	22.4	22.6	✓
"	" o b	2	"	13.9	23.0	23.0	✓
"	"	3	"	13.8	23.1	23.0	
"	"	1	"	13.9	22.7	23.0	
"	"	2	"	13.8	22.2	21.9	

		26-27/1/58	K	T.J.	T.U.
1458	9	8 Cen (4621)	103a-0 (14)	12:23 12:37 +0:25	7:52 8:06
1459	10	8 Cen (4656)	" (17)	12:44 13:01 +0:40.5	8:13 8:30

		27/28-I-58		0468	t	TU TU
1460	1	x Can	IIa-0 (90)	4:10 - 4:11:30	- 2:12	0:35 23 34 40
1461	2	"	"	4:19 - 4:20:30	2:02	23 43 40
1462	3	"	"	4:24 - 4:25:30	1:58	23 48 40
x	4	"	"	4:34 - 4:35:30	1:48	0:59 26 58 40
1463	5	"	"	4:40 - 4:41:30	1:42	0:54 40
x	6	"	"	4:45 - 4:46:30	1:37	0:09 40
x	7	"	"	4:51 - 4:52:30	1:31	0:15 40
1464	8	"	"	4:56 - 4:57:30	1:26	0:20 30
1465	9	"	"	5:03 - 5:04:30	1:19	0:27 30
1466	10	"	"	5:19 - 5:20:30	1:03	0:42 30
1467	11	"	"	5:24 - 5:25:30	0:58	0:48 30
1468	12	"	"	5:32 - 5:33:30	0:49	0:56 30
x	13	"	"	5:39 - 5:40:30	0:42	1:03 30
1469	14	"	"	6:09 - 6:10:30	0:13	1:33 20
1470	15	"	"	6:13 - 6:14:30	0:05	1:37 20
1471	16	"	"	6:20 - 6:21:30	- 0:02	1:44 20
1472	17	"	"	6:25 - 6:26:30	+ 0:03	1:49 20
1473 inverted						
1473	18	"	"	6:39 - 6:40:30	+ 0:17	2:03 20
1474	19	"	"	6:45 - 6:46:30	+ 0:21	2:09 20

16-5	5	3	4+4	13.7	21.7	22.8	✓
4	"	1	"	13.4	22.6	22.7	✓

16-5	5	1	5	19.5	24.6	
------	---	---	---	------	------	--

AT = -6.5

Males images

"	"	2	5		24.6	
---	---	---	---	--	------	--

"	"	3	5		24.6	
---	---	---	---	--	------	--

"	"	1	5		24.6	
---	---	---	---	--	------	--

"	"	2	5	18.7	24.6	
---	---	---	---	------	------	--

"	"	3	5			
---	---	---	---	--	--	--

deficiencias de puzo

"	"	1	5		24.6	
---	---	---	---	--	------	--

"	"	2	5		24.6	
---	---	---	---	--	------	--

"	"	3	5		24.7	
---	---	---	---	--	------	--

"	"	1	5		24.8	
---	---	---	---	--	------	--

"	"	2	5		24.7	
---	---	---	---	--	-----------------	--

"	"	3	5		24.9	
---	---	---	---	--	------	--

"	"	1	5		24.6	
---	---	---	---	--	------	--

"	"	2	5	17.3	24.8	
---	---	---	---	------	------	--

muy buena

"	"	3	5		25.0	
---	---	---	---	--	------	--

"	"	1	5		24.8	
---	---	---	---	--	------	--

"	"	2	5		25.0	
---	---	---	---	--	------	--

"	"	3	5		24.8	
---	---	---	---	--	------	--

"	"	1	5		25.0	
---	---	---	---	--	------	--

TU

1475 20 α Cen

IIa-0 90° 6:54-6:55:30 + 0:33

2 18 10

27-28/I/58 K

T. U

1476	11	α Vel (3447)	103a-0 (35)	8:01 8:36	- 0:20	3:25 4:00
1477	12	α Pyx (3468)	" (35)	8:50 9:25	+ 0:26	4:14 4:49
1478	13	δ Vel (3634)	" (39)	9:36 10:15	+ 0:50	5:00 5:39
1479	14	γ Vel (3786)	" (65)	10:24 11:29	+ 1:28	5:48 6:53
1480	15	δ Cen (4757)	" (25)	11:47 12:12	- 0:27,5	7:11 7:36
1481	16	α Mus (4798)	" (6,5)	12:26 12:32,5	- 0:05,5	7:50 7:56
1482	17	ϵ Cen (5028)	" (20)	12:43 13:03	- 0:25	8:07 8:27

28-I-58 Se reemplaza el espectrografo por la cámara visual
 3-II-58 Se coloca nuevamente el espectrografo.

28/1 Marzo 1958 F 0468

TU

1483 1 α Cen

IIa-0 90° 5:50-5:51:30 - 0 36

23 08 20

x 2

"

"

5:55-5:56:30 - 0 26

x 3

"

"

5:59-6:00:30

x 4

"

"

6:09-6:10:30 - 0 13

x 5

"

"

6:12-6:13:30

1484 6

"

"

6:14:30-6:16 - 0 07

23 32 50

1485 7

"

"

6:20-6:21:30 - 0 02

23 38 20

Se utilizaron placas entadas hace un mes y medio.

16-5 5 25 17.2 24.7

16-5	5	1	4+4	16.2	23.3	23.3	✓
"	"	2	"	16.3	23.3	22.8	✓
"	"	3	"	15.9	23.0	23.0	✓
"	"	1	"	15.5	23.1	23.2	✓
"	"	2	"	15.4	22.8	23.1	✓
"	"	3	"	15.1	23.6		✓
"	"	1	"	14.9	23.2	23.3	✓

para atender a la junta del Congreso de Cartografía.. F.

16-5	5 mod	1	5	19.8	25.4
	5 "	2	5		25.4
	5 "	3	5		25.4
	5 ✓	1	6 equivoque		25.6
	5	2	sin equivo		25.6
	5	3	5		25.6
	5	1	5		26.4 ^{sub} _{mucha}

$\Delta T = +19.4$

cupisculo

"

"

molto

cupisculo

Dia 1/II/58
T.V. ul
medio

28-1/II/58	†	Aug. medio	⊕	
1486 X1	3 Lep (1829)	105a.0 (20)	6:54: 8:04	0 ^h 46 ^m
2	1) CH ₂ (2227)	"	+ 2:03	

	3-4/III/58	F	9 ₄₆₈	t. medi	852-2400	T.V	TVi
1487	1 α Car	11a.0	905	7:18-7:19 30	40.57	0:26	0 24 20
X 2	"	"	"	7:23-7:24 30		0:31	0 29 20
1488	3	"	"	7:28-7:29 30	1:07		0 34 20
1489	4	"	"	7:35-7:36 30	1:14		0 41 20
1490	5	"	"	7:40-7:41 30	1:19		0 46 20
1491	6	"	"	7:47-7:48 30	1:26		0 53 20
1492	7	"	"	7:53-7:54 30	1:31	1.01	0 59 20
1493	8	"	"	7:55-8:00 30	1:38		1 05 10
1494	9	"	"	8:03-8:04 30	1:43		1 09 10
1495	10	"	"	8:09-8:10 30			1 15 10
1496	11	"	"	8:14-8:15 30	1:53		1 20 10
1497	12	"	"	8:20-8:21 30	1:55		1 26 10
1498	13	"	"	8:26-8:27 30			1 32 10
1499	14			8:34-8:35 30	2 14		1 40 10
1500	15			8:42-8:43 30	2 21		1 48 10
X 16				8:49-8:50 30	2 28	1 57	1 55 10
1501	17			8:58-8:59 30	2 37		2 04 00
1502	18			9:04-9:05 30	2 43		2 10 00
1503	19			9:16-9:17 30	2 55		2 22 00

16-5

5

1

2608-2409

 $\Delta T = 20.6$

16-5

5

1

5

26.8

1

4-relo

2

5

26.8

paschar cirrus

"

4

3

5

26.7

"

4

1

5

27.5 ← se quedó pegado (algo de relo)

"

4

2

5

27.5

↓ densidad espuesta

"

4

3

5

27.3

"

4

1

5

27.0

"

5

2

5

26.7

"

5

3

5+

26.7

"

5

1

5

27.0

"

5

2

5

26.9

"

5

3

5

26.8

"

5

1

5

27.1

"

5

2

5

27.0

"

5

3

5

26.8

"

5

1

5

19.8 26.9

"

5

2

5

26.8

"

5

3

5

26.6

"

5

1

5

26.6

1504 20 ✓ Car

Da-0 90° 922-923 30 + 3.01

2 28 00

Las placas fueron contadas 7/II/58. Muy sucias. Pueden tener

4/5 III 58 F.

516 - 22 18

T.U. W
medio

0468

1505 1 ✓ Car

Ba-0 90°

527-528 30 - 0 55

22^h 30^m

1506 2 "

"

532-533 30 - 0 50

22^h 35^m

1507 3 "

"

539-540 30

22^h 42^m

1508 4

545-546 30 - 0 38

22^h 48^m

1509 5 "

"

551-552 30 - 0 32

22^h 54^m

1510 6 "

"

600-601 30 - 0 24

23^h 03^m

Placas contadas en el día. Bastante buenas.

8-9/IV/58

K

T. 1

T. U

1511 1 ✓ Vel (3786) 103a-0 (65) 10:42 11:47 +1:46 3:28 4:33

1512 2 ✓ Mus (4773) " (48) 12:46 13:34 +0:41 5:32 6:20

1513 3 ✓ Cen (5248) " (48) 14:05 14:53 +0:34 6:51 7:30

15-16/III/58

K

1514 1 78 Cw (4757) 103a-0 (25) 12:37 13:02 +0:23 4:55 5:20

1515 2 ✓ Mus (4773) " (48) 13:14 14:02 +1:08 5:32 6:20

1516 3 ✓ Mus (4798) " (6,5) 14:12 14:18,5 +1:41,5 6:30 6:36

1517 4 C Cen (5028) " (20) 14:30 14:50 +1:22 6:48 7:07

1518 5 ✓ Cen (5248) " (48) 14:59 15:47 +1:28 7:17 8:05

1519 6 L Lop (5354) " (53) 15:57 16:50 +2:07 8:15 9:08

16-5 5 25 27.0

en tiempo de exposición 10% menor.

16-5	5	15	29.5
"	5	25 ⁺	29.7 29.3
"	5	35	29.2
"	5	15 ⁺	29.1
"	5	25	29.1
"	5	35	29.2

$\Delta T = -21.0$

Crepusculo: mucha luz

" "

" "

" algo de luz

" " "

" muy poca luz.

16-5	5m	1	4+4	17.0 21.0	20.8
"	4"	3	4	17.0 20.5	20.3
"	4"	1	4	16.7 20.1	19.9

16-5	5m	1	3+2	16.5 20.5	20.4
"	4"	2	"	16.4 20.1	19.9
"	4"	3	6	16.1	19.8
"	4"	1	3+2	16.1 19.6	19.6
"	4"	2	"	16.0 19.5	19.4
"	4"	3	"	15.7 19.2	19.0

	16-17/III/58	K.	T. J	T. U
1520	7a Vel (3634) 103a-0 (39)		9:21 10:05 +0:40	1:41 2:20
1521	8 Vd (3786) " (65)		10:13 11:18 +1:17	2:28 3:33
	9 MVS (4773) " (48)		11:41 12:29	3:56 4:44

	18/19 III 1958 F	O ₁₆₈		
x 1	d Car	IIa-0 90s	6 05-6 06 30 - 0:16	22 ^h 17 ^m 30 ^s
1522	2 "	"	6 11-6 12 30 - 0:11	22 ^h 23 ^m 30 ^s
1523	3 "	"	6 16-6 17 30 - 0:06	22 ^h 28 ^m 30 ^s
1524	4 "	"	6 19-6 20 30 - 0:03	22 ^h 31 ^m 30 ^s
1525 Se atendió una multa.				
1525	5 "	"	8 07-8 08 30 + 1:45	0 14 30
1526	6 "	"	8 11-8 12 30 1:49	0 18 00
x 7	"	"	8 20-8 21 30 1:58	.
1527	8 "	"	8 28-8 29 30 2:07	0 35 00
1528	9 "	"	8 36-8 37 30 2:15	0 43 00
1529	10 "	"	8 44-8 45 30 2:23	0 51 00
1530	11 "	"	8 56-8 57 30 2:35	1 03 00
1531	12 "	"	9 00-9 01 30 2:39	1 06 50
1532	13 "	"	9 10-9 11 30 2:49	1 16 50
14			9 20-9 21 30 2:59	1 26 50
1533	15 "	"	9 30-9 31 30 3:09	1 36 50
1534	16 "	"	9 38-9 39 30 3:17	1 44 50
1535	17 "	"	9 43-9 44 30 3:22	1 56 50
1536	18 "	"	9 50-9 51 30 3:30	1 56 50

16-5	5	1	3+3	17.4	22.0	21.7	v
"	"	2	"	17.1	21.4	21.1	v
4	4	3	"	21.4			

Se nubló.

 $\Delta T = -28.0$

16-5	5	1	5	22.7	26.0	
"	5	2	5		26.0	
"	5	3	5		26.0	
	5	1	5		26.0	

Cupunculo

" vds

" "

" "

Antejo lado este

16-5	5	2	5		25.3	
------	---	---	---	--	------	--

" 4 " "

"	5	1	5	20.7	25.2	
---	---	---	---	------	------	--

"	5	3	5		25.1	
---	---	---	---	--	------	--

(hasta esta entrada de 5^o 58) 21.0

		1	5		24.9	
--	--	---	---	--	------	--

(desde esta entrada 6^o 58) 20.8

		2	5		24.7	
--	--	---	---	--	------	--

		3	5		24.8	
--	--	---	---	--	------	--

		1	5		24.7	
--	--	---	---	--	------	--

		2	5		24.6	
--	--	---	---	--	------	--

		3	5		24.7	
--	--	---	---	--	------	--

		1	5		25.0	
--	--	---	---	--	------	--

perdida

		2	5		24.8	
--	--	---	---	--	------	--

		3	5		24.8	
--	--	---	---	--	------	--

		1	5		25.4	
--	--	---	---	--	------	--

		2	5		25.2	
--	--	---	---	--	------	--

1537	19	α Car	IIa-0	50 ^s	10 00-10 01 30	- 3 35	2 06 50
1538	20	"			10 10-10 11 30	- 3 49	2 16 50
1539	21	"			10 14-10 15 30	- 3 53	2 20 40
1540	22	β Car (3699)	IIa-0	22 ^m	10 25-10 47	- 2 21	2 ^h 41 ^m 40
1541	23	γ Car	"	15 ^m	10 48-11 03	- 2 41	3 ^h 01 ^m 10 ^s

La placita de α Car no son buenas. La (22) β Car es mejor que las de α Car.

19-20 III 1958 F				Q. 468	f	TU del medio	
1542	1	α Car	IIa-0	90 ^s	6 01-6 02 30	- 0 20	22 05
1543	2	"	"		6 08-6 09 30	0 13	22 ^h 12 ^m
1544	3	"			6 16-6 17 30	- 0 05	22 ^h 20 ^m
1545	4	"			6 22-6 23 30	+ 0 01	22 ^h 26 ^m
1546	5	"			6 28-6 29 30	+ 0 07	22 ^h 32 ^m
1547	6	"			6 38-6 39 30		22 ^h 42 ^m
1548	7	"			6 44-6 45 30	+ 0 23	22 ^h 48 ^m
1549	8	"			6 58-6 59 30	+ 0 37	23 ^h 02 ^m
1550	9	"			7 04-7 05 30	+ 0 43	23 ^h 08 ^m
1551	10	"			7 09-7 10 30	+ 0 48	23 ^h 13 ^m
1552	11	"			7 14-7 15 30	+ 0 53	23 ^h 18 ^m
1553	12	α Lep (1865)	IIa-0	42 ^m	7 25-8 07	+ 2 15	23:27-0:09
1554	13	δ C. Ma (2693)	"	21 ^m	8 14-8 35	+ 1 19	0:16-0:37
1555	14	δ C. Ma	"	18	8 36-8 54	+ 1 39	0:38-0:56

16-5	✓	3 5	19.5	25.4		
"	✓	1 5		25.5		
"	✓	2 5		25.5		
"	✓	3 3+2		25.5	25.5	← tiempo justo
"	✓	1 2+3	19.1	25.5	25.3	Algo debil, pero sin perfeccionar te

4T = -28.0

16-5 ✓ 1 5 22.5 26.2

Cupisnulo

5 2 5 26.1

✓ 3 5 26.0

✓ 1 5 26.0

5 2 5 25.9

✓ 3 5 25.8

debil

5 1 5

✓ 2 5 25.7

✓ 3 5 25.6

✓ 1 5 25.6

✓ 2 5 25.7

5 3 2+3 22.6 25.9 25.6 Guada defectuamente

5⁴ 1 2+3 25.5 25.4 ← tiempo bueno

5 2 2+3 19.7 25.4 25.3

20-21/III/58

H

1555	1	X β Lep (1829)	IIa-O (60 ^m)	6:50 - 7:50	
1557	2	X β Lep (1829)	10b a-O (60 ^m)	7:51 -	+2:55
	3	X β Lep (1829)	IIa-O (45)		

21-22-III-58

F

t

TV

1558	1	X Can	IIa-Ov 90s	6 00-6 01 30	- 0:20	21 57
1559	2	"	v	6 05-6 06 30	- 0:15	22 ^h 02 ^m
1560	3	"	v	6 10-6 11 30	- 0:10	22 ^h 07 ^m
1561	4	"	v	6 16-6 17 30	- 0:04	22 13
1562	5	"	v	6 20-6 21 30	- 0:00	22 17
1563	6	"	v	6 25-6 26 30	+ 0:05	22 22
1564	7	"	v	6 29-6 30 30	+ 0:09	22 26
1565	8	"	v	6 34-6 35 30	+ 0:14	22 31
1566	9	"	v	6 39-6 40 30	+ 0:19	22 36
1567	10	"	v	6 44-6 45 30	+ 0:24	22 41

Viene tormenta

22-23/III/58

K

1568	1	7 δ Crv (4757)	103 a-O (25)	12:50 13:15	+0:36	4:42 5:07
1569	2	8 Mus (4773)	" (48)	13:28 14:16	+1:24	5:20 5:08
	3	X Mus (4798)	" (65)	14:26 14:32	+1:56	6:18 6:24
	4	4 Cen (5248)	" (48)	14:43 15:13	+1:13	6:25 7:13
1570	5	6 Lup (5354)	v (53)	15:41 16:34	+1:52	7:33 8:21
1571	6	5 β Jcs (5928)	" (48)	16:46 17:34	+1:17	8:38 9:21

16-5 lug d 2+3 5 1 26°6 26°0
 16-5 2+4 2 26°0-26°8-
 16-5 3

Refinanculo
 lug d 2+3 5 1 26°6 26°0
 16-5 2+4 2 26°0-26°8-
 16-5 3

	Cielo	Chassis Comp	Temp	Temp.
16-5	5	1 5	22.5	26.0
"	5	2 5		26.0
	5	3 5		26.0
	4	1 5		26.0
	4	2 5		26.0
	4	3 5		26.0
	4	1 5		26.0
	4	3 5		26.0
	3	1 5		25.9
	3	2 5	21.6	25.8

$\Delta T = 0.0$

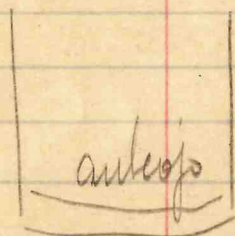
Cupisculo Antoj
 lado este
 " "
 " "
 " "
 " "

Se empieza a relax

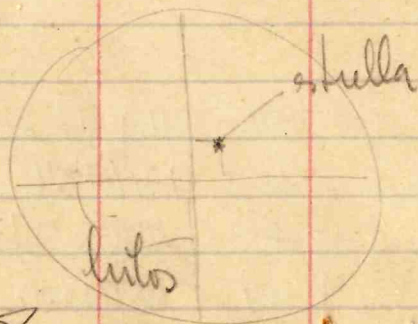
16-5	5 d	1 4+4	11.9	17.6	17.8
"	" "	2 "	10.7	17.4	17.3
"	" "	3 "	10.2	17.4	
"	" "	1 4+4	10.0	17.0	17.2
"	" "	2 "	9.5	17.3	17.1
"	" "	3 "	9.8	17.1	16.8

		25/26 III-78	F	θ_{325}	t	TO
1572	1	α Lp. (1865)	IIa-on 42"	643-725	+1:35	22 22
1573	2	i Car (3699)	" " 22"	736-758	-1:28	23 15

		29-30/III/78	H	ϕ
	1	Luna (Copernicus)	IIa-D (188) 4"	7:42-7:46
	2	" "	" (188) 5"	7:47-7:52
1574	3	α_1 Cru	IIa-D (10)	8:21-8:31
1575	4	α_2 Cru	" (13)	8:33-8:46
	5	α_3 Cru	" (10)	
	6	α_4 Cru	" (14)	



Posición para coloc



ocular

16-5	5d	1	2+3	18.2	22.0	22.3	mal guiada: no salió el azul
"	5	2	2+3		22.2	22.2	

16-5	5	1	5	22°7	Se trabajó sin calefacción
"	"	2	"		
		3		22°4	

Se estalla en la zambora:

31/1 IV - 18 F

9468

TU

1576	* 1	x Can	$\Pi_a - 0$	908	705-70630	+0:45	22 22	22 21 40
1576	2	"			712-71330	+0:52		22 28 40
1577	3	"			716-71730	+0:56		22 32 40
1578	4	"			721-72230	+1:01		22 37 40
1579	5				728-72930	+1:08		22 44 40
1580	6				732-73330	+1:12		22 48 40
1581	7				737-73830	+1:17		22 53 40
1582	8				743-74430	+1:23	23 00	22 59 40
1583	9				749-75030	+1:29		23 05 40
1584	10				800-80130	+1:40		23 16 30
x	11				804-80530	+1:44		23 20 30
1585	12				811-81230	+1:51		23 27 30
1586	13				815-81630	+1:54		23 31 30
1587	14				821-82230	+2:01		23 37 30
1588	15				826-82730	+2:06		23 42 30
1589	16				837-83830	+2:17		23 53 20
1590	17				850-85130	+2:30		24 06 20
1591	18		$\Pi_a - 0$	n	857-85830	+2:36		0 13 20
1592	19		"	"	903-90430	+2:43		0 19 20
1593	20		"	"	910-91130	+2:49		0 26 20
1594	21		"	"	920-92130			0 36 10

16-5	5	1 5	14.3	19.0
	5	2 5		19.0
	5	3 5		19.0
	5	1 5		19.0
		2 5		18.8
		3 5		18.7
		1 5		18.7
		2 5		18.7
		3 5		18.7
		1 5		18.4
		2 5		18.8
		3 5		18.0
		1 5	12.7	19.0
		2 5		19.0
		3 5		18.9
		1 5		18.0
		2 5		19.2
		3 5		18.8
		1 5		18.7
		2 5		18.5
		3 5	12.2	

$\Delta T = -2.0$
espectograma a 90°
 sin espectro de comp.

120

$$\begin{array}{r} 007 \\ \hline 520 \end{array}$$

21-20 - 6 07

1/2-IV-58

F

0468

1595	1	x Can	Ha-o 90 ⁵	638-63930	+0:17	21 50 40
1596	2	"		642-64330	+0:21	21 54 40
1597	3			647-64830	+0:26	21 59 40
1598	4			651-65230	+0:31	22 03 40
1599	5			655-65630	+0:36	22 07 40
1600	6			659 ²⁰ -70050	+0:39	22 12 00
1601	8	x		704-70530	+0:43	22 16 40
1602	7	8		709-71030	+0:49	22 22 22 21 40
1603	9			715-71630	+0:54	22 26 40
1604	10			719-72030	+0:58	22 30 40
1605	11			722-72330	+1:02	22 33 40
1606	12			727-72830	+1:07	22 38 40
1607	13			731-73230	+1:11	22 42 40
1608	14			736-73730	+1:16	22 47 40
1609	15			741-74230	+1:21	22 52 30
1610	16			745-74630	+1:25	22 56 30
1611	17			748-74930	+1:28	22 59 30
1612	18			753-75430	+1:33	23 04 30
1613	19			756-75730	+1:36	23 08 30
X	20			800-80130	+1:40	23 13 23 12 30

$\Delta T = -2.5$ 121

spectrograph at 90°

placa muy oscura

" " "

" " "

R

16.5

5

1 5

16.8 19.0

2 6

19.0

3 5

19.0

1 5

19.0

2 5

19.0

3 5

19.0

2 5

19.0

1 2 5

19.0

R

3 5

19.0

1 5

19.0

2 5

19.0

3 5

19.0

1 5

19.0

2 5

19.0 19.0

3 5

18.9

1 5

18.9

2 5

18.9

3 5

18.8

R

1 5

18.8

R

5

2 5

18.4 18.8

25-26/VIII/56 F-H Cuffogno
 1 MARTE II-E 6.28.26
 2 II-G
 3 II-O

2/3 IV rf	F	TV	t	θ_{468}
x 1 v Can	IIa-O 90°	22 04-22 05 30	+0:34	6 57
x 2 "	"	22 08-22 09 30	+0:38	
x 3		22 13-22 14 30	+0:43	
x 4		22 16-22 17 30	+0:46	
1614 5		-8- 22 21-22 22 30	+0:51	
x 6		22 24-22 25 30	+0:54	
x 7		-8- 22 28-22 29 30	+0:58	
1615 8		22 34-22 35 30	+1:04	
1616 9		22 37-22 38 30	+1:07	
1617 10		-8- 22 41-22 42 30		
1618 11		22 44-22 45 30	+1:14	
1619 12		-8- 22 49-22 50 30	+1:19	
x 13		22 52-22 53 30		
x 14		u 22 56-22 57 30	1 27	
x 15		u 23 00-23 01 30		
x 16		u 23 05-23 06 30	1:35	
x 17		u 23 10-23 11 30	1:41	

$$\Delta T = -2.8$$

16-5	5	1 5	18.3	21.5	18.3
		2 5		21.5	
		3 5		21.5	
		1 5		21.5	
		2 5		21.5	
		3 5		21.5	
		1 5		21.4	
		2 5		21.4	
		3 5		21.4	
		1 5		21.4	
		2 5		21.4	
		3 5	17.3	21.3	
		1 5		21.3	
		2 5		21.2	
		3 5		21.2	
		1 5		21.2	
		2 5	16.9	21.1	

le alzó el chasis

R
No sure: no se sabe la
duración

27/3/IV/58

H

⊕

1620	1	α_1 Cru (9)	IIa-D	10:21-10:30
1621	2	α_2 Cru (12)		10:31-10:43
1622	3	α_1 Cru (9)		10:45-10:54
1623	4	α_2 Cru (12)		11:00-11:12
1624	5	α_1 Cru (9)		11:14-11:26
1625	6	α_2 Cru (12)		11:28-11:40

T.U. = 2:51

⊕ = 11:44

2-4/IV/58

H

⊕

T.U.

1626	1	α_1 Cru (9)	IIa-D	(19) 8:06-	23:17-23:26
1627	2	α_2 Cru	"	(13) 8:13	23:29:30-21:30:30 ^{43:30}
1628	3	α_1 Cru	"	(9)	46:30-17:30
1629	4	α_2 Cru	"	(13)	0:05-00:18
	5	α_1 Cru	"	(9)	
	6	α_2 Cru	"	(13)	

Se plató el espejo.

20-21/IV/58

T.U.

1630	1	α_1 Cru	IIa-D	00:25:	00:33:
1631	2	α_2 Cru	"	00:35	00:46
1632	3	α_1 Cru	"	00:52:30	01:00
	4	α_2 Cru	"		

3

20°6

1

2

3

2

1

20°3

21°8

16-5

1

5°

21°6

11

2

4

21°6

11

3

~

11

4

21°5

11

4

11

4

16-5

1

45

21°6

2

21°3

1

21°3

2

126

 $\theta = 7.25$

TU = 21.15

22/23-IV-58 F

2 TU Femen

t

1	no invl		(9) 35-93630	
1633	2	✓ Can	90° 9.54-9.5530	+144
1634	3	"	90° 9.59-10.0030	+149
1635	4		90 10.02-10.0730	+156
1636	5		80° 10.09-10.1020	159
1637	6		90 10.13-10.1430	204
1638	7		90 10.26-10.2230	211
1639	8		10-28-10.2530	218
1640	9		10-31-10.3230	221
1641	10		10.35-10.3630	indetermined 225
1642	11		10.40-10.4130	230
1643	12		10.43-10.4430	234
1644	13		10.47-10.4830	237
1645	14		10.52-10.5330	242
x 15			10.55-10.5630	245

Muy expuestas: podrían tener 20% menos de tiempo.

24-25/IV/58 H

1646	1	2 Cru	(7.5)	23:19.5-24.5
1647	2	2 Cru	(10) 9.5	23:20.5-24.5 25:32.5-25:42.0
1648	3	2 Cru	2.5	23:48-23:55.5
1649	4	2 Cru	9.5	23:58.5-0:09.0 10

16-5	✓	25	17.8 22.0
		35	22.0
		15	22.0
		25	22.0
		35	22.3
		15	22.1
		25	22.0
		35	22.4
		15	22.2
		25	22.0
		35	22.4
		15	22.3
		25	22.3
		35	22.4

mal el tiempo

16-5	1	1906
11 una chita	2	1905

16-5	1	1902-1901
------	---	-----------

16-chito	2	pasando velos
----------	---	---------------

	26-27/IV/58	#	T.U
1	L ₁ Cru (-62°51')	7 ^m .5	00:22:40 ^s - 00:30:10
2	L ₂ Cru	10	00:23:40 - 00:41:40
3	L ₁ Cru	7 ^m .5	00:45:40 - 00:56:10

	11-12/V/58	K	T.U	T.J
1	2 Cen (5132)	103A-0 (10)		

	13/14-V-58	F	Penon 58 TV	TU 2305 → 0 10 40 t _m	0LP	
1650 1	i Can (3695)	Ha-0	21 ^m	2331-2052	+2 06	1106
1651 2	i Can	"	18 ^m	2357-015	+2 20	1132
1652 3	i Can	"	21	017-038	+2 47	1152

	18/20-V-58	F	TU	
1	v Can (2326)	Ha 0	75 ^c	2134 213515 43 10 9 31
2		v	75	2139-214015 +3 15 9 31
3		v	80 ^s	2143-214420 +3 19
1653 4		v	80	2150-215120 +3 26 9 47
1654 5		v	80	2155-215620 +3 31
1655 6		v	80	2200-220120 +3 36
1656 7		v	80	2205-220620 +3 41
1657 8		v	(80)	2210- ^{v21} 221020 +3 46 10 07
9		v	80	2215-221620 +3 51
10		v	80	2220-222120 +3 56
11		Ha-on	80	2225-222620 +4 01 10 23

16-5	1	20°7
16-ma chico	3	20°7
16-5	2	20°5

16-5	5	1 3+3
------	---	-------

~~17.4~~

16-5	5	1 2+3	17.0	17.4	17.4	Viento N(?)	reg.
"	5m	2 2+3		17.4	17.4	"	reg. buena
"	5	3 2+3	16.7	17.4	17.4	"	la noche parece a esperando

16-5	5	1 5	16.3	imagen difusa
		2 5	14.9 16.3	"
		3 5	16.2	"
		1 5	16.2	"
		2 5	16.1	"
		3 5	16.1	
		1 5	16.0	
		2 5		
		3 5	16.0	
		1 5	14.3 16.0	
		2 5		

12	2 Car	IIa-0 u 80°	22-30-22 3120	+4.06	10 27
13	i Car (3699)	" v 18 ^m	22 42-23 00	+1 33	10 44
14	i Car	" v 15 ^m	23 01-23 16	+1 52	10 57
1658 15	i Car	" v 18 ^m	23 22-23 40	+2 14	11 19

v = caja 8 utades 4 IV ; n = caja 215 utades 1 IV

1659	1	24-25/V/58	K.	T. V	T. S
	2	Slup (5695)	IIa-0	30 3:47 4:17 +1:02	19:
				28 4:20 4:48 +1:35	

25-26/V/58	H	Quarara	40 A/m
1 5 ² Cham	IIa-0	32 ^m	10:57-11:09

26-27/V/58	F	20 A/m	TV	18 ^m 02 9 26	±	9 L P
1660	1	i Car (3699)	IIa-0	18 ^m 21 42 22 00	10 10 +1 01	10 06
1661	2	i Car		18 ^m 22 00 22 16	+1 17	
1662	3	i Car		18 22 16 22 34	+1 35	
1663	4	i Car		18 22 34-22 52	+1 53	
1664	5	i Car		18 22 52-23 10	+2 10	
1665	6	i Car		18 23 10-23 28	+2 29	
1666	7	i Car		18 23 28-23 46	+2 47	
1667	8	i Car		18 23 46-00 04	+3 05	

16-5	5	3	5	15.9		defuse
16-5	5	1	2+3	15.8	15.6	"
16-5	5	2	2+3	15.6	15.7	"
16-5	5	3	2+3	15.5	15.4	" algo debil, pero buena

16-5	5	1	3+3	6.4	9.0	8.7
"	"	2		6.4	8.5	8.3

30-12 5 ^{ingresos} _{de pulso} 1 3^s 10°6 - 10°5 in calefacción

16-5	5 d	1	3,3	9.6	10.8	10.8	<u>La cúpula no anda</u> en estos places se le esabó
	5 d	2	2½+2½		10.8	10.7	
	5 d	3	2½+2½		10.7	10.6	
	5 d	1	2½+2½		10.6	10.5	
	5 d	2	2½+2½	8.3	10.5	10.4	
	5	3	2½+2½		10.4	10.3	
	5	1	2½+2½		10.3	10.1	
	5 d	2	2½+2½	7.4	10.1	10.0	

	4-5/VI/58	H	T.U	θ
Hu 1668	1 γ CMa (2327)	IIa-0	(15) 21:19.5-21:34.5	10:12
1669	2 α Hyz (3748)	"	(45) 21:45-22:30	10:42
1670	3 γ Cru (4763)	"	(38) 22:38-23:17	11:35.5

	9-10/VI/58	F	TU	t	θ
1671	1 i Car (3699)	IIa-0	(18 ^m) 22:18-22:36	+2 32	
1672	2 i Car		(18 ^m) 22:36-22:54	+2 50	

	10-11/VI/58	F	TU		i
1673	3 i Car (3655)	IIa-0	(16 ^m) 21:09-21:25	+1 28	10.35
1674	4 i Car		(16) 21:25-21:41	+1 44	
1675	5 i Car		(16) 21:41-21:57	+2 00	
1676	6 i Car		(16) 21:59-22:15	+2 18	
1677	7 i Car		22:15-22:31	+2 34	
1678	8 i Car		22:31-22:47	+2 50.	

~~9 i Car~~

	12-13/VI/58	H	T.U	θ
1679	1 α Hyz (3748)	IIa-0	(45 ^m) 22:10-23:00	11:43.5
1680	2 α Cru		(7.5) 23:11.5-23:19.0	12:35
1681	3 α Cru		(10.5) 23:20.5-23:30	
1682	α Cru		(8.0) 23:36-23:44	
1683	5 α Cru		(10.0) 23:45-23:55	13:25
1684	6 γ Ren (4819)		(12.5) 0:03.5-0:23	14:50
1685	7 α Boo (5140)		(5) 00:37-0:42	15:00

16 - 5 elio	5 ^s	1	13.02
16 - m. chis	$2\frac{1}{2} + 2\frac{1}{2}$	2	13.02
16 - u	2543	3	13.06

16-5	5d	1	2+3	13.5	15.4	15.4	imagenes muy malas
	5d	2	2		15.4	15.3	velocidad muy bien!

temp. lipula

16-5	5dm	3	$2\frac{1}{2} + 2\frac{1}{2}$	14.4	15.5	15.5	no tan difusas como ya
	5dm	2	$2\frac{1}{2} + 2\frac{1}{2}$		15.5	15.4	pero muy moredizas Rata en Y. 200
	5dm	1	$2\frac{1}{2} + 2\frac{1}{2}$		15.4	15.5	
	5dm	2	$2\frac{1}{2} + 2\frac{1}{2}$		15.5	15.5	
	5dm	3	$2\frac{1}{2} + 2\frac{1}{2}$	13.2	15.5	15.5	
	5dm	1	$2\frac{1}{2} + 2\frac{1}{2}$		15.5	15	<u>Netluna</u> muy delil

16 - 5	5	1		14.5	14.5
		2		14.0	
		3			
		2			
		3			
		1			
		2			

Hu 1686 8 2 boos (5340) IIa-0 (1) 00:43-00:49
 Hu 1687 9 2 boos (5540) II (50) 00:49.5-00:54.5
 comp stop (5541)

14:16-

13-14/VI/1958 F TV t 0
 1688 1 i Car (3699) IIa-0 (16^m) 22 00-22 16 +2 29 11 34
 1689 2 i Car 103-0 (16^m) 22 16-22 32 +2 45
 1690 3 i Car IIa-0 (16^m) 22 32-22 48 +3 01
~~1690~~ 4 i Car 103-0 (16^m) 22 48-23 04 +3 17
 1691 5 i Car IIa-0 (16^m) 23 04-23 20 +3 32

La placa (4) 103-0 es ~~de~~ mas util que las IIa-0. Podría en

17-VI-58 F-H-R TV t
 IIa-0
 ✓ 1692 1 Cielo IIa-0 (8⁵) 11:44^m 55 11:46:20
 ✓ 1693 2 " " 11:55:00 11 56 25 -3 09
 ✓ 1694 3 " " 12 00 30 12 01 55
 1695 4 " " 1059-0 12:05:00 12 06 20
 ✓ 1696 5 " " IIa-0 12 10 12 11 25 -2 54
 1697 6 " " " 12 16 40 12 18 05
 ✓ 1698 7 " " " 12 20 00 12 21 25 -2 43
 1699 8 " " " 12 25 00 12 26 20

16-5 3

16-6 1

16-5	5	1 $2\frac{1}{2} + 2\frac{1}{2}$	12.5	14.0	13.9	
	5	2 $2\frac{1}{2} + 2\frac{1}{2}$		13.9	13.8	no salió nada (al 10.3?)
	5	3 $2\frac{1}{2} + 2\frac{1}{2}$		13.8	13.7	
	5	1 $2\frac{1}{2} + 2\frac{1}{2}$		13.7	13.5	no salió nada (cubgada al 10.3?)
	5	2 $2\frac{1}{2} + 2\frac{1}{2}$		13.5	13.5	

un 20% (inseguro)

					Placa	Especimen
16-5	5	1 ✓	7.5	5	Rev. D19.	5 Fe
		2 ✓	7.2 7.5	"		" "
		3		3		" "
		1	8.0			
		2	8.0	5		" "
		3	8.2			
		4	8.0	4		" "
		3	8.0			

✓	1700	9	Culo	IIa-0 (80 ¹)	12 30	12 31 20	-2 35
	1701	10	"	"	12 35	12 36 20	
✓	1702	11	"	"	12 42 15	12 43 35	
✓	1703	12	"	"	12 45 00	12 46 20	
✓	1704	13	"	"	12 50 00	12 51 20	
✓	1705	14	"	"	12 55 00	12 56 20	
✓	1706	15	"	"	7.5 13 00 00	13 01 15	
	1707	16	"	"	13 05 00	13 06 15	-1 58
✓	1708	17	"	"	7.5 13 10 00	13 11 15	
	1709	18	"	"	13 15 00	13 16 15	
✓	1710	19	"	"	13 20 00	13 21 15	
	1711	20	"	"	13 25 00	13 26 15	-1 38
✓	1712	21	"	1712 (ind)	13 30 15	13 31 15	
	1713	22	"	"	13 35	13 36 15	
✓	1714	23	"	"	13 40	13 41 15	
	1715	23	"	"	13 45	13 46 15	-1 18
✓	1716	24	"	"	70 ¹ 13 50	13 51 10	
	1717	25	"	"	13 55	13 56 10	-1 08
✓	1718	26	"	"	14:00	14:01:10	
	1719	27	"	"	14:05	14:06:10	
✓	1720	28	"	"	14:10	14:11:10	-0:55
	1721	29	"	"	14:15	14:16:10	
✓	1722	30	"	"	14:20	14:21:10	
	1723	31	"	"	14:25	14 26 10	-0 38

16-5

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3.2 8.2

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✓ 1724 32	Culo	Ta-0 70	14 30	14 31 10	
1725 33	"	"	14 35	14:36:10	
✓ 1726 34	"	" 65	14:40	14:41:05	-0:24
1727 35	"	"	14:45	14:46:05	

-20	-10	0	+10	+20	
34.60	34.60	34.75	34.25	34.90	-15
34.90	35.05	35.05	35.20	35.20	-5
35.25	35.35	35.40	35.40	35.55	+5
35.55	35.20	35.20	35.85	35.85	+15

српска

* 12

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		18-19/VI/58		T.U		
						⊕
H1728	✓ 1 α Hy (3748)	IIa-O	20 ^(61.5)	21:36:30 -	22:38:00	✓ 11:26 -
1729	✓ 2 α Cru	"	6 (60 ^m)	22:41:15 -	22:46:15	✓ 12:30
1730	✓ 3 α Cru	"	X (55^m)	22:48	22: 56:30 ^{57:45}	✓
1731	5 α Cru	"	5.5 (6 ^m)	22:59:15	23:05:15	✓
1732	6 α Cru	"	7.5 (8 ^m , 5)	23:06:30	23:15:00	✓ 13:01
1733	✓ 4 β Crv (4786)	"	62 (62 ^m)	23:22	00:24:00	✓
1734	7 β Lup (5571)	"	19 (22)	00:41	01:03:00	✓
1735	8 γ Lup (5776)	"	23 (25)	01:19:30	01:44:30	✓
1736	✓ 9 α Cru	"	5 (6.0)	01:54:15	02:00:15	✓
1737	10 α Cru	"	7 (8.5)	02:01:30	02:10:00	✓
1738	11 α Cru	"	6.0	02:11:15	02:17:30	✓

		19-20/VI/58		T.U.		
						⊕
✓ 1739	✓ 1 μ Vel (4216)	IIa-O	(52)	21:54	22:18:23:00	✓ 11:53
1740	2 β Crv (4786)	"	(62)	23:07	0 ^h 09 ^m	✓ 13:05.5

		2-3/VII/58		
				⊕
1741	1 γ Cru (4763)	IIa-O	(50)	13:26-14:20

		17-18/VII/58		T.U.	T.U
1742	1 225 Leo (6165)	IIa-O	(19)	16:54-17:13 +0:34	✓ 1:08-1:27
	2 μ Leo (6247)	"	(22)	17:23-17:45 +0:48	1:37-1:59
	3 μ Leo	"	(22)	17:48-18:10 +1:13	2:02-2:24
	4 μ Leo (6252)	"	(45)	18:28-19:13	2:42-3:27

16 - mas chise

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14.9 - 14.8

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14:08:30 - 20:00

24-25/VII/58

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9

Hv 1743	1	β Crv (4786)	IIa-0	(40)	22:04-23:04	21:54
	2	β TrA (5897)	"	(50)	23:14-00:04	~15:31
1744	3	ζ Oph (6175)	"	(16)	00:14,5-00:30,5	
	4	Luna	"	(4)	00:35:45-	
1745	5	α Pav (7790)	"	(10)	00:47-00:52	
1746	6	α Pav (7790)	"	(9,5)	00:57,5-01:07	
1747	7	α Pav (7790)	"	(9)	01:07:15-01:16:15	

3-4/VIII/58

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IIa-0

16-12	2+2	1
"	22	2
"	"	3
"	"	1
"	"	2
"	"	3
"	"	1

20°6

20°5

20°4

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20°3

20°3

liada de jelatina.

16-5	2+2	1
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22 14

η Car 12-13/IV/56 G1036-1044

