

KG
11366
087

Observing Book 34
Cat. 4° Square. M. R. SLOAN.

KG 11366.087

Although measures in this book, and in all my books, were recorded in order of brightness, the stars were measured as irregularly as possible, to obtain independent results.

S. Sept. 21, 1918.

KG 11366.087



4

Continued

Saturday September 21. 1918.

Scale R

Catalogue 4° Sq.
mc 9744

Bz. YELLOW

sc.1 sc.2

405 12.7

406 12.4

407 12.3

408 12.4

409 11.5

410 12.5

411 11.1

412 11.6

413 12.0

414 11.5

415 12.3

416 12.5

417 12.5

418 88

419 12.4

420 11.6

207 = 421 11.6

422 12.2

423 12.3

424 11.4

425 11.8

426 12.2

427 11.4

257 = 428 11.2

258 = 429

430 12.2

Saturday September 21, 1918.

Scale R

Cat - 4° Square.

B2. YELLOW

mc 9744

sc.1 sc.2

431	10.6
432	12.2
433	11.6
434	11.6
435	12.4
436	11.2
437	11.5
438	12.6
439	11.8
440	12.6? dbl.
441	12.1
442	12.1
443	12.5
444	12.2
445	11.7
446	12.5
447	11.9
448	12.5
449	11.5
450	10.8
450a	11.6
451	12.3
452	11.4
453	12.1
454	12.2
455	11.8
456	11.7

6

Saturday September 21, 1918

Scale R

Catalogue 4° Square. B2. YELLOW

mc 9744

pc.1 pc.2

457	12.4
458	12.9
459	12.5
460	12.6
461	11.8
462	12.4
463	12.6
464	12.6
465	12.2
466	12.5
467	11.6
468	11.7
469	12.1
469a	12.9
470	11.7
470a	12.6
471	12.2
470b	12.9
472	12.2
473	11.4
474	10.9
475	12.9
476	13.1
477	12.3
478	12.0
479	12.1
480	12.0
481	12.7
482	12.5

Sight unseen

Saturday September 21, 1918.

Scale R

Catalogue 4° Square.

B2 - YELLOW

mc9744-

sc.1 sc.2

483 11.9

484 12.7

485 12.2

486 10.9

487 12.3

488 12.4

489 12.2

490 10.9

491 12.7

492 11.7

493 11.4

494 12.2

495 12.2

496 11.3

497 12.0

498 11.7

499 11.6

500 12.4

501 11.4

no star 502 —

503 11.6

504 11.8

505 10.6

506 12.4

507 12.6

508 11.8

8

Saturday September 21, 1918

Scale R

Cat. 4° Square.

B2 - YELLOW

mc 9744

no. 1 rev.

509	12.4
510	12.6
511	12.2
512	12.3
513	12.5
514	12.5
515	12.4
516	11.6
517	10.6
518	11.8
519	12.2
520	11.8
521	11.7
522	11.6
523	12.4
524	12.2
525	11.7
526	12.3
527	10.6
528	12.6
529	12.4
530	11.4
531	12.2
532	12.3
533	11.4
534	12.1

Saturday September 21, 1918.

Scale R

Cat- 4° Square

B2 - YELLOW

mc 9744

pc1 sc2

535	11.9
536	12.8
537	12.6
538	12.6
539	12.7
540	12.7
541	12.5
542	13.3
543	12.5
544	10.8
545	12.4
546	11.5
547	12.1
548	12.8
549	13.2

~~Saturday~~
~~Friday~~ September 28²⁸, 1918.

Scale R
 8:45

Cat. 4° square.
 MC 7618.

B 2 Blue.

PC.

	PC 1	PC 2		PC 1	PC 2	
1	B.			8.4	8.4	↓
2				8.6	8.9	
3				9.5	9.1	
4				9.8	9.6	
5				9.8	9.1	
6				10.2	10.2	
7				10.4	10.3	
8				10.5	10.6	
9				10.5	10.4	
10				11.2	11.6 ⁵	
11	B.	B.		11.5	11.6	
12	5.6	B.		11.9	11.6	
13	B.	B.		11.5	11.4	
14	6.0	B.		11.9	11.7	
15	6.4	6.4		12.1	12.2	
16	6.5	6.5		12.6	12.2	
17	7.4	7.4		13.1	12.8	
18	7.6	7.6		12.9	12.8	
19	8.3	8.0		13.4	13.4	
20	8.4	8.3		13.6	13.4	
21	8.4	8.6				
22	8.6	8.8				
23	8.6	8.8				
24	9.4	9.6				
25	10.4	10.4				
26	10.6	10.6				

Saturday
~~Friday~~ September 27th, 1918.

11

Scale R

Cat. 4° Squarel. Bss.

mc 7618

	sc ₁	sc ₂
27	10.8	10.7
28	11.2	11.0
29	11.3	11.4
30	12.1	11.7

Saturday
Friday September 27, 1918.

Scale R
8:45

Catalogue 4° Square B2.

mc 7618.

Diff. Im.

P.C. mass.

	g	h
	sc.1 sc.2	sc.1 sc.2
1	7.7?	7.7
2	~~8.4~~ ⁴	8.5
3	8.4	8.6
4	~~8.6~~ 9.6	9.2
5	~~8.6~~ 9.6	9.4
6	8 9.7	9.8
7	~~8.8~~ 10.2	9.5
8	10.3	10.3
9	10.4	10.4
10	10.7	10.8
11	10.9	10.8
12	11.2	11.3
13	10.6	10.8
14	11.5	11.3
15	11.5	11.8
16	11.8	11.8
17	12.3	12.5
18	12.4	12.6
19	12.8	12.7
20	12.8	12.8
21	13.3	13.1
22	13.4	13.4
23	13.4	13.3
24	13.6	13.6
25		
26		

12-10

Saturday
Friday September 28²⁸ 1918.

Scale R Cat - 4° Square. B2
mc 7618.

sc. 1 sc. 2

h	1	9.4
h	2	11.8
h	3	12.6
h	4	11.5
h	5	12.8
h	6	12.4
h	7	12.7
h	8	12.8
h	9	10.6
h	10	12.4
05. h	11	9.8
h	12	12.8
06. h	13	10.3
h	14	12.5
h	15	11.79
h	16	12.8
h	17	11.6
h	18	12.0
h	19	12.6
h	20	12.3
h	21	10.8
h	22	7.5
h	23	12.5
h 23 a	24	9.8
h	25	10.4
h	26	9.6
h	27	12.4

Saturday September 28, 1918.

Scale R Calatogue 4^o Square. Be 2 Blue.
mc76180

sc.1 sc.2

h	27	12.1
h	28	12.6
h	29	10.9
	30	7.3 ~~10.1~~ } dbl.
h	31	10.9
h	32	8.6
h	33	10.5
h	34	11.6
h	35	12.1
h	36	12.6
h	37	11.3
h	38	11.4
h	39	12.7
h	40	12.6
h	41	10.8
h	42	12.8
	43	7.5
g	44	12.3
h	44	10.6
h	45	12.1
h	46	11.6
h	47	11.4
h	48	12.4
g	49	11.6
	50	7.8
h	51	9.4
	52	11.9

Saturday September 28, 1918.

Scale R Catalogue 4^o Square. B 2.

mc 7618

sc.1 sc.2

h	53	11.21
h	54	10.6
h	55	11.6
h	56	11.8
h	57	11.21
h	58	9.6
h	59	12.8
h	60	12.8
h	61	12.3
h	62	12.3
h	63	12.4
h	64	12.0
h	65	11.7
h	66	11.7
h	67	11.4
h	68	11.8
h	69	12.8
h	70	12.4
h	71	10.7
h	72	11.2
h	73	11.5
h	74	12.7
h	75	13.0
h	76	11.8
h	77	12.6
h	78	10.6

8
Saturday September 26, 1918.

Scale R

Cat. 4°

Square

B₂

mc 7618

sc.1 sc.2

	h	79	12.3
	h	80	12.2
	h	81	12.6
	h	82	12.8
	h	83	12.6
	h	84	12.5
08 =	h	85	10.4
016 =	h	86	12.4
015 =	h	87	12.2
	h	88	13.0
011 =	h	89	11.4
012 =	h	90	11.6
013 =	h	91	11.5
014 =	h	92	11.8
	h	93	11.4
04 =	h	94	9.7
	h	95	12.6
	h	96	11.8
	h	97	7.5
	h	98	10.6
	h	99	12.4
	h	100	11.4
	h	101	9.8
	h	102	12.4
	h	103	12.6
	h	104	10.3

Saturday September 28th 1918.

Scale R

Cat- 4° square

B₂ -

mc 7618

sc. 1 sc. 2

h 105 12.2

106 7.0

h 107 11.7

h 108 11.7

h 109 12.2

h 110 10.3.7 dbl.

combined light-mess.

h 111 12.5

h 112 12.0

h 113 10.4

114 7.5

h 115 10.1

h 116 12.1

h 117 9.6

118 6.7

h 119 8.3

h 120 12.5

121 7.8

h 122 12.6

h 123 11.7

h 124 11.9

h 125 8.5

h 126 8.8

h 127 11.1

h 128 10.0

h 129 12.5

h 130 11.4

Saturday September 28, 1918.

Scale R Cat- 4° Square. B₂

mc 7618

pc.1 pc.2

h	131	12.0
h	132	12.4
h	133	10.6
h	134	10.8
h	135	10.6
h	136	12.1
h	137	11.8
h	138	11.2
h	139	10.4
h	140	11.6
h	141	12.4
h	142	12.2
h	143	13.1
h	144	10.4
h	145	11.8
g	146	11.6
oi = h	147	8.4
h	148	12.3
h	149	11.5
h	150	12.8
h	151	13.0
g	152	11.6
h	153	12.3
h	154	12.0
h	155	11.6
h	156	10.3

Saturday September 28, 1918

Scale R

Cat- 4° Square.

B2

Mc 7618

No. 1 No. 2

h 157	11.6
h 158	11.7
h 159	10.6
h 160	12.7
h 161	12.2
h 162	11.6
h 163	12.4
h 164	11.7
h 165	10.8
h 166	11.4
h 167	12.7
h 168	12.4
h 169	11.7
h 170	11.6
h 171	10.6
h 172	8.5
h 173	8.8
h 174	10.7
h 175	10.8
h 176	—

202 7.5

h 203	12.6
h 207	13.2
h 209	13.4
h 209a	12.6

Saturday September 28, 1918.

Scale R

Cat. 4° Square

B₂

mc 7618.

sc.1 sc.2

~~210~~

211 7.6

212 7.5

215 7.4

217 7.5

h 219 12.9

220 7.6

h 222 12.8

223 7.7

224 7.4

h 225 12.8

226 9.9

• 227 7.6

227a 8.5

228 7.4

h 230 12.2

h 231 11.6

238 7.7

h 240 11.8

h 241 12.6

h 242 12.8

244 7.6

h 247 12.4

h 248 12.6

h 249 12.7

h 250 10.6

Saturday September 28, 1918

Scale R

Cat- 4° Square B2.
mc 7618

	sc.1	sc.2
✓ 251		12.6
✓ 252		12.6
✓ 253		12.4
✓ 254		12.5
255	dbl.	
✓ 256		12.7
257	7.3	
✓ 258		12.7
259	8.4	
260	7.5	
261	7.6	
✓ 262		11.9
✓ 263		12.7
✓ 264		12.8
✓ 265		12.4
266	7.5	
✓ 267		13.2
✓ 268		10.6
✓ 269		10.5
✓ 270	7.5	
271	7.4	
272	7.3	
✓ 273		12.6
✓ 274		12.2
✓ 275		9.6
✓ 276		9.9

Impossible to meas. components partly sep.

22

Tuesday October 1, 1918.

Seale R.
1775Catalogue 4° Square.
mc 7618

B2.

P.C.

	sc.1	sc.2	sc.1	sc.2	sc.1	sc.2	sc.1	sc.2
1	B.				8.4	8.6		
2					8.6	8.6		
3					8.8	9.4	9.5	
4					9.8	9.7		
5					9.9	10.1		
6					10.4	10.4		
7					10.1	10.2		
8					10.5	10.5		
9					~~11.3~~ ^{10.6}	10.5		
10	B.				11.4	11.3		
11	5.7				11.5	11.7		
12	5.6				11.4	11.6		
13	B.				11.4	11.6		
14	B.				11.9	12.1		
15	6.8		6.5		12.1	12.4		
16	6.7		6.6		12.3	12.4		
17	7.4		7.4		13.0	13.1		
18	7.6		7.6		12.6	12.9		
19	8.2		8.1		13.4	13.5		
20	8.3		8.3		13.3	13.6		
21	8.6		8.7					
22	8.8		8.7					
23	8.8		8.6					
24		9.5	9.0					
25		10.3	10.4					
26		4.5	10.6					

Tuesday October 1, 1918.

Scale R Catalogue 4° Square Ba -
mc 7648

	sc 2	sc 2
27	10.6	10.6
28	10.8	10.8
29	11.4	11.3
30	11.8	11.8
31	12.7	

Tuesday October 1, 1918.

Scale R

Catalogue 4° Square B2.

mc 76 18

Diff. In.

	g	h
	sc. 1 sc. 2	sc. 1 sc. 2
1	8.1	8.1
2	8.2	8.2
3	8.6	8.3
4	9.6	9.4
5	9.5	9.4
6	9.7	9
7	9.6	9.5
8	10.5	10.4
9	10.5	10.4
10	10.8	10.8
11	10.8	10.8
12	11.4	11.3
13	11.1	11.1
14	11.3	11.4
15	11.8	• 11.7
16	11.9	12.0
17	12.6	12.6
18	12.6	12.5
19	12.8	12.8
20	12.8	12.9
21	13.3	13.4
22	13.4	13.4
23	9	13.6
24	9	13.6
25		
26		

3.70 340

Tuesday October 1, 1918.

Scale R

Catalogue 4° Square B2 -
mc 76 18

mc.1 mc.2

h 277 12.4

h 278 12.6

h 279 12.0

h 280 10.6

h 281 12.3

h 282 12.6

h 283 12.6

h 284 12.5

285 7.6

no stars 286

287

h 288 12.8

301 8.4

302 8.21

303 8.3

h 304 12.6

305 7.6

306 9.9

h 307 12.6

309 9.5

310 8.7

311 9.4

312 8.4

313 8.4

314 8.6

Tuesday October 1, 1918.

Scale R Catalogue 4° square. B2.

MC 7618

sc. 1 sc. 2

315 9.5

✓ 316 13.21

318 7.6

319 8.0

319a 8.1

320 8.6

321 8.7

322 10.4

323 9.5

324 9.6

325 8.6

326 8.6

327 8.1

327a 9.4

328 10.4

329 7.8

330 8.1

331 8.5

332 8.3

333 10.5

334 8.4

dbl. { 335 8.5

335a 9.0

336 8.21

337 8.1

338 10.1

Tuesday October 1, 1918.

Scale R Cat - 4° Square B₂

mc 7618

20.1 sec

339 8.8

340 9.4

341 9.5

mosher 342 —

343 10.0

344 9.9

345 8.3

346 8.5

347 9.9

348 9.3

h 349 13.0

350 8.2

351 8.3

352 7.6

353 8.6

354 8.5

355 8.5

356 8.3

357 8.4

358 8.6

359 7.4

360 8.4

361 8.4

362 7.6

363 7.8

364 8.6

28

Tuesday October 1, 1918.

Scale R Cat- 4° Square B2-
mc 7618

	sc.1	sc.2
365		9.7
366	4.8	
367	8.9	
368	7.6	
369	8.8	
370	8.4	
371	8.3	
372		10.1
373		9.9
374	4.5	
375	7.7	
376	8.4	
377	8.3	
378	8.8	
379	8.6	
381	8.6	
382	8.6	
383	7.6	
384	8.1	
385	8.7	
386	8.2	
h 387		12.4
h 388		10.8
h 389		12.5
390	8.4	
390a	8.6	

Tuesday October 1, 1918.

Scale R Cat. 4° Square. B2.
 Mc7618

sc.1 sc.2

391 8.6

392 9.6

393 7.5

h 394 12.7

395 9.0

396 7.5

397 8.6

398 8.4

399 7.6

400 10.5

401 7.6

402 7.8

403 7.8

404 7.7

dbl. { 405 8.6

406 12.2
9.9

407 7.6

408 8.4

409 7.5

410 9.6

411 6.6

h 412 12.4

h 413 12.5

414 7.7

415 8.4

416 9.5

ft star nearly sup.

PC. sup?

Tuesday October 1, 1918.

Scale R Catalogue 4° Sq. B2.
mc 7618.

sc.1 sc.2

417 90

418 74

419 86

420 84

421 76

422 10.1

423 10.0

h 424 12.6

425 8.0

426 76

427 86

h 428 12.5

h 429 13.1

430 7.1

431 86

432 86

433 76

434 7.7

435 10.4

436 8.0

437 7.8

438 10.4

439 8.5

Elong. in. 440 8.1? dbl.

441 7.7

h 442 12.8

Tuesday October 1, 1918

Scale R Cat- 4° Square. B2-
mc 7618

sc. 1 pc?

443 7.5

444 8.1

445 8.6

446 100

447 8.3

448 7.5

449 8.2

450 8.6
450_a 7.5

451 7.7

452 8.5

453 9.9

454 8.3

455 8.7

456 8.5

457 7.3

458 9.6

p 459 13.4

460 7.8

461 8.0

462 8.1

463 9.4

464 7.6

465 7.6

466 7.7

467 7.4

468 7.6

Tuesday October 1, 1918.

Scale R Cat- 4° Squared B2
mc 7618

	sc1	sc2
469	8.4	
469a	7.8	
470		9.6
470a	8.1	
471	7.7	
470.8	8.0	
472		9.1
473	7.6	
474	8.5	
475	8.4	
476	8.7	
477	7.7	
478	7.4	
479	8.6	
480		9.3
481	8.0g	
482		9.8
483	8.5	
484	8.0	
485	8.3	
486	8.2	
487	7.6	
488	7.6	
489	8.7	
490	7.7	
491	8.1	
492	8.9	
493	7.7	

h 494

133

Tuesday October 1, 1918

Scale R Catalogue 4° Square B2

mc 7618

sc.1 sc.2

	495	8.8
fu	496	12.3
	497	8.0
	498	9.4
planning. p	499	13.2?
fu	500	13.2
fu	501	13.5
no star	502	—
	503	7.6
	504	7.3
fu	505	12.6
	506	9.6
fu	507	13.4
	508	9.7
	509	8.0
	510	7.7
	511	7.7
	512	8.7
	513	7.7
	514	8.3
	515	8.6
	516	8.4
fu	517	13.0
	518	8.6
	519	7.4
	520	9.6

Tuesday October 1, 1918.

Scale R

Cat- 4° Sq. B₂

mc 7618

	sc.1	sc.2
	8.2	
	7.7	
521		
522	7.1	
523	7.1	
524	7.4	
525	8.9	
526	7.1	
527	8.2	
h 528		12.9
529	9.0	
530	7.9	
531	7.5	
h 532		12.8
h 533		12.5
h 534		12.7g
535	8.4	
h 536		13.3g
537	7.6	
h 538		12.4
539	7.6	
540	7.6	
541	8.2	
542	8.5	
543	7.6	
544	7.8	
545	7.5	
546	8.2	

Tuesday October 1, 1918 -

Scale R Cat- 4° Square B2 -

mc 7618

sc 1 sc 2

h 541 127

548 7.7

549 8.2

