

HARVARD UNIVERSITY
Physics B

NAME MC XIV

Harvard Co-operative Society

1933phae.prerj.24283

THIS BOOK BELONGS TO

CLASS OF

HARVARD COÖPERATIVE SOCIETY

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COÖP PURCHASES PAY DIVIDENDS

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Page

	RA		Decl.		λ	β	
MC 27688 .	12 ^h	19. ^m 5	+58°	19'	95.3	+59.5	73
MC 28213 .	13	13.0	+62	58	83.5	+54.6	35
MC 28938 .	12	17.7	+48	52	100.1	+68.7	49
MC 30041 .	13	06.4	+58	32	83.3	+59.1	15
MC 30742 (cont.)	13	26.4	+67	32	83.2	+49.8	3
MC 31359 .	12	50.6	+48	40	85.1	+69.2	129
MC 31365 .	12	24.2	+29	21	158.0	+86.3	95

13^h 26^m.4

+ 67° 32'

MC 30742

 $\lambda = 83.2$ $\beta = +49.8$

3

Square 20 (CONT.)

				400	16.8	16.7	16.7
376	16.9	16.9	16.9	401	17.0	16.8	16.9
377	16.6	16.7	16.6	402	16.6	16.7	16.6
378	17.1	17.1	17.1	403	16.8	16.9	16.9
379	16.8	16.7	16.7	404	17.0	17.1	17.0
380	16.6	16.9	16.8	405	16.4	16.4	16.4
381	17.1	17.2	17.1	406	16.2	16.4	16.3
382	16.9	16.9	16.9	407	17.0	17.0	17.0
383	17.0	17.0	17.0	408	17.0	17.1	17.1
384	15.7	15.8	15.8	409	17.2	17.2	17.2
385	16.5	16.6	16.5	? 410	16.7	16.7	16.7
386	17.2	17.3	17.2	411	16.8	17.0	16.9
387	16.8	16.9	16.9	412	16.9	17.1	17.0
388	16.7	16.9	16.8	413	16.3	16.3	16.3
389	16.9	16.9	16.9	414	16.3	16.3	16.3
390	16.4	16.5	16.4	<u>Square 21</u>			
391	16.9	17.1	17.0	415	16.8	16.6	16.7
392	16.9	17.0	16.9	416	16.4	16.2	16.3
393	17.1	17.2	17.2	417	16.9	17.0	17.0
394	16.8	17.0	16.9	418	17.1	17.1	17.1
395	16.6	16.7	16.7	419	17.0	17.0	17.0
396	17.0	16.9	17.0	420	17.0	16.9	16.9
397	15.9	16.1	16.0	421	16.0	15.9	16.0
398	16.2	16.2	16.2	422	16.7	16.6	16.7
399	17.1	17.1	17.1	423	17.3	17.2	17.2

MC 30742

Square 22

424	17.3	17.3	12.3				
425	15.8	15.6	15.7 ⁶	448	12.1	17.0	12.1
426	16.7	16.8	16.7	449	12.0	12.0	17.0
427	17.1	17.2	12.2	450	17.1	12.2	17.2
428	16.9	16.9	16.9	451	12.0	12.0	12.0
429	16.9	16.9	16.9	452	16.7	16.7	16.7
430	16.9	16.9	16.9	453	17.0	16.9	16.9
431	12.2	12.1	12.1	454	16.8	16.8	16.8
432	12.1	12.1	12.1	455	12.2	12.1	12.2
433	12.0	12.0	12.0	456	16.7	16.8	16.7
434	16.9	16.9	16.9	457	16.6	16.6	16.6
435	12.0	12.1	12.0	458	16.1	16.2	16.2
436	16.5	16.5	16.5	459	12.0	12.1	12.1
437	16.3	16.3	16.3	460	12.1	12.2	12.2
438	16.8	16.8	16.8	461	16.9	16.9	16.9
439	16.8	16.9	16.9	462	12.0	12.0	12.0
440	16.3	16.3	16.3	463	12.0	12.0	12.0 f.s.b
441	16.8	16.9	16.8	464	12.0	12.2	12.1
442	12.1	12.1	12.1	465	16.9	16.9	16.9
443	16.6	16.7	16.7	466	12.1	12.1	12.1
444	12.0	12.0	12.0	467	16.8	16.8	16.8
445	16.6	16.6	16.6	468	12.2	12.1	12.1
446	16.3	16.2	16.2	469	12.3	12.5	12.4
447	12.2	12.2	12.2	470	12.1	12.0	12.0
				471	16.7	16.7	16.7

472	17.0	17.3	17.1	496	16.9	17.0	17.0
473	15.5		15.5	497	17.2	17.1	17.1
474	16.4	16.5	16.4	498	16.6	16.7	16.6
475	16.1	16.1	16.1	499	17.1	17.2	17.1
476	15.9	15.9	15.9	500	16.8	16.9	16.8
477	16.2	16.2	16.2	501	17.2	17.2	17.2
478	16.9	17.0	16.9	502	17.0	17.0	17.0
479	17.3	17.3	17.3	503	16.9	17.0	16.9
480	17.0	17.0	17.0	504	16.8	16.9	16.8
481	17.1	17.1	17.1	505	16.9	17.0	16.9
482	17.0	16.9	17.0	506	16.8	16.8	16.8

Square 23

483	16.9	16.8	16.9	507	17.1	17.1	17.1
484	17.1	17.0	17.0	508	17.0	17.1	17.0 <i>first * attached</i>
485	17.2	17.2	17.2	509	17.2	17.2	17.2
486	17.2	17.3	17.3	510	16.6	16.5	16.5
487	17.2	17.3	17.2	511	17.1	17.1	17.1
488	17.2	17.2	17.2	512	16.9	17.0	17.0
489	16.8	16.9	16.9	513	17.0	16.9	16.9
490	16.9	16.9	16.9	514	15.9	15.8	15.8
491	17.0	17.1	17.0	515	17.2	17.2	17.2
492	16.9	16.8	16.9	<u>Square 24</u>			
493	16.9	16.9	16.9	516	16.8	16.7	16.7
494	16.9	16.9	16.9	517	17.1	17.1	17.1
495	17.0	17.0	17.0	518	16.9	16.8	16.8
				519	17.3	17.4	17.3

} double

520	17.2	17.3	17.2	545	16.9	16.9	16.9
521	17.2	17.2	12.2	<u>Square 25</u>			
522	16.9	17.0	16.9	546	16.0	16.0	16.0
523	16.9	17.0	12.0	547	16.3	16.5	16.4
524	17.0	17.0	12.0	548	16.4	16.6	16.5
525	17.0	17.1	12.1	549	16.6	16.6	16.6
526	17.1	17.0	12.0	550	17.1	17.0	12.0
527	17.0	17.0	12.0	551	17.0	16.9	16.9
528	16.7	16.9	16.8	552	16.8	16.8	16.8
529	17.1	17.2	12.1	553	15.5	]	15.2
530	17.0	17.1	12.0	554	16.0	16.0	16.0
531	16.7	16.8	16.7	555	15.8	15.8	15.8
532	17.0	17.0	12.0	556	16.6	16.6	16.6
533	16.7	16.8	16.8	557	15.9	15.9	15.9
534	16.7	16.7	16.7	558	16.9	16.9	16.9
535	17.1	17.1	12.1	559			
536	16.5	16.5	16.5	560	15.9	15.9	15.9
537	17.0	17.1	12.1	561	17.0	17.0	12.0
538	17.1	17.2	12.2	562	16.6	16.7	16.6
539	17.1	16.9	12.0	563	16.5	16.6	16.5
540	17.1	17.1	12.1	564	16.5	16.5	16.5
541	16.8	16.8	16.8	565	15.7	15.7	15.7
542	16.8	16.9	16.9	566	16.6	16.4	16.5
543	16.8	17.0	16.9	567	17.2	17.4	12.3
544	16.9	16.9	16.9	568	15.5	15.5	15.5 ✓

569	16.8	16.9	16.8	593	17.1	17.1	17.1
570	17.1	17.1	17.1	594	17.1	17.1	17.1
571	16.2	16.1	16.1	595	17.0	17.1	17.0
572	17.1	17.3	17.2	596	16.9	16.8	16.9
573	16.8	16.8	16.8	597	16.9	16.8	16.8
574	17.0	17.0	17.0	598	16.8	16.8	16.8
575	17.0	17.1	17.0	599	16.9	16.9	16.9
576	16.7	16.7	16.7	600	16.7	16.6	16.7
577	17.1	17.1	17.1	601	17.1	16.9	17.0
578	16.5	16.5	16.5	602	16.7	16.6	16.6
579	15.5	15.5	15.5	603	17.1	17.0	17.1
580	16.6	17.0	16.8	604	16.7	16.7	16.7
<u>O_E (K)</u>				605	17.0	17.0	17.0
581	17.1	16.9	17.0	606	16.1	16.1	16.1
582	16.4	16.4	16.4	607	16.5	16.5	16.5
583	16.0	15.9	15.9	608	17.2	17.3	17.2
584	15.6	15.5	15.5 ⁴	609	16.9	16.9	16.9
585	16.9	16.9	16.9	610	17.0	17.0	17.0
586	16.7	16.7	16.7	611	16.5	16.5	16.5
587	16.7	16.7	16.7	<u>O_E (J)</u>			
588	15.8	15.9	15.9	612	17.1	17.0	17.1
589	16.8	16.8	16.8	613	17.0	17.1	17.0
590	17.1	16.9	17.0	614	17.0	17.2	17.1
591	15.9	15.8	15.8	615	16.6	16.7	16.7
592	17.0	16.7	16.9	616	16.7	16.8	16.8

MC 30242

617	17.0	17.0	12.0	641	17.0	17.0	12.0
618	16.5	16.5	16.5	642	16.6	16.6	16.6
619	17.0	17.0	12.0	643	16.9	17.0	16.9
620	16.9	16.9	16.9	644	16.5	16.5	16.5
621	16.9	16.9	16.9	645	16.2	16.3	16.2
622	17.0	17.0	12.0	<u>OE (9)</u>			
623	17.1	17.1	12.1	646	17.0	17.1	17.1
624	16.7	16.7	16.7	647	16.7	16.8	16.8
625	15.9	15.8	15.9	648	16.9	16.9	16.9
626	16.9	16.8	16.8	649	16.5	16.4	16.5
627	17.0	17.0	12.0	650	16.7	16.6	16.6
628	16.5	16.5	16.5	651	16.7	16.8	16.7
629	16.9	16.9	16.9	652	17.1	17.1	17.1
630	16.7	16.7	16.7	653	17.0	17.0	17.0
631	17.1	17.1	17.1	654	16.7	16.7	16.7
632	16.7	16.9	16.8	655	16.9	17.0	17.0
<u>OE (12)</u>				656	16.8	16.5	16.7
633	17.1	17.1	17.1	657	16.8	16.9	16.8
634	16.5	16.5	16.5	658	17.0	17.0	17.0
635	15.6	15.6	15.1 ⁵	<u>OE (6)</u>			
636	17.0	17.0	17.0	659	16.0	16.1	16.1
637	16.7	16.5	16.6	660	16.8	16.9	16.8
638	16.8	16.9	16.9	661	16.8	16.9	16.9
639	16.8	16.9	16.8	662	16.1	16.2	16.2
640	16.8	16.8	16.8	663	16.1	16.1	16.1

MC 30242

664	16.7	16.7	16.7	687	17.1	17.1	17.1
665	17.1	17.1	17.1	688	16.7	16.7	16.7
666	16.7	16.7	16.7	? 689	16.7	16.5	16.6
667	16.8	16.8	16.8	690	16.8	16.7	16.7
668	16.9	17.0	16.9	691	17.0	17.1	17.0
669	15.8	15.9	15.8	692	16.7	16.7	16.7
670	17.0	17.0	17.0				
671	16.3	16.4	16.3				
672	16.1	16.2	16.2				
673	16.9	16.9	16.9				
674	16.8	16.9	16.9				
675	15.9	15.9	15.9				
676	16.2	16.3	16.2				
677	16.7	16.5	16.6				
678	16.5	16.6	16.5				
N5413	15.5			315.5			

Ow (d)

679	17.0	17.1	17.0	f.s.b.	703	16.7	16.7	16.7
680	16.7	16.9	16.8		704	17.1	17.2	17.2
681	16.6	16.8	16.7		705	16.9	16.7	16.8
682	16.9	16.9	16.9		706	16.6	16.7	16.7
683	16.5	16.4	16.5	neb?	707	16.8	16.9	16.8
684	16.7	17.0	16.8		708	17.1	17.0	17.1
685	16.6	16.6	16.6		709	16.8	16.8	16.8
686	17.0	17.0	17.0		710	16.6	16.6	16.6

M C 30242

711	16.9	16.9	16.9	735	16.9	16.9	16.9
712	17.2	17.1	17.2	736	17.1	17.2	17.2
713	17.1	17.1	17.1	737	16.8	16.7	16.7
714	16.7	16.8	16.7	738	16.9	16.8	16.8
715	16.6	16.8	16.7	739	16.6	16.6	16.6
716	17.0	17.1	17.0	740	16.4	16.3	16.3
717	17.0	16.9	16.9	<u>Ow (b)</u>			
718	17.2	17.2	17.2	741	16.7	16.7	16.7
<u>Ow (c)</u>				742	17.1	16.9	17.0
719	16.9	17.0	17.0	743	17.1	16.9	17.0
720	16.7	16.8	16.7	744	16.7	16.5	16.6
721	16.6	16.6	16.6	745	16.8	16.6	16.7
722	15.8	15.5	15.6 ⁷	746	16.5	16.3	16.4
723	17.1	17.0	17.1	747	17.0	16.7	16.8
724	16.8	16.9	16.8	748	16.1	15.9	16.0
725	17.0	17.0	17.0	749	16.5	16.4	16.5
726	16.4	16.3	16.3	750	17.1	16.8	17.0
727	17.1	17.0	17.0	751	17.0	16.9	16.9
728	16.9	16.7	16.8	752	16.7	16.6	16.6
729	16.9	16.9	16.9	753	16.6	16.6	16.6
730	17.0	16.9	16.9	754	16.5	16.3	16.4
731	16.9	17.0	17.0	755	17.0	16.8	16.9
732	16.7	16.8	16.7	<u>Ow (a)</u>			
733	17.0	16.9	17.0	756	16.7	16.7	16.7
734	16.9	16.8	16.9	757	16.9	16.9	16.9

MC 30742

758	16.8	16.7	16.7		782	16.8	16.8	16.8
759	16.0	15.9	16.0		783	16.8	16.7	16.8
760	16.7	16.6	16.7		784	17.2	17.2	17.2
761	16.8	16.8	16.8		785	16.6	16.6	16.6
762	16.6	16.5	16.6		786	17.1	17.1	17.1
763	16.6	16.6	16.6		787	16.6	16.6	16.6
764	17.0	17.0	17.0		788	16.8	16.9	16.9
765	15.9	15.8	15.9	* attached	? 789	16.7	16.8	16.8
766	16.4	16.4	16.4	* attached	790	16.3	16.3	16.3
767	16.5	16.4	16.4		791	17.2	17.1	17.1
768	17.0	17.1	17.1		792	16.6	16.6	16.6 attached to *
769	17.1	17.1	17.1		793	17.0	17.0	17.0
770	17.1	17.0	17.0		794	17.0	17.2	17.1 s.s.b.
771	17.0	16.9	16.9		795	16.7	16.7	16.7
772	17.0	16.8	16.9		796	16.9	16.7	16.8
773	16.0	15.8	15.9		797	16.8	16.6	16.7
<u>ON</u>					798	16.6	16.5	16.6
774	16.8	16.8	16.8		799	16.4	16.3	16.3
775	16.2	16.2	16.2		800	16.4	16.3	16.4
776	16.7	16.8	16.8		<u>Os</u>			
777	17.0	17.0	17.0		801	15.6	15.6	15.6
778	15.6	15.7	15.7	5	802	17.0	16.9	16.9
779	15.6	15.8	15.7		803	17.3	17.1	17.2
780	16.8	16.8	16.8		804	16.9	16.8	16.8
781	16.7	16.7	16.7		805	17.0	16.7	16.9

} double

MC 30742

806

16.9

16.7

16.8

J 15.7 IR 4562

141 J 15.5

275 J 15.5

346 15.6

N5283 J 15.2

374 J 15.2

425 15.6

473 15.5

553 J 15.2

568 15.5

579 15.5

584 15.4

635 15.5

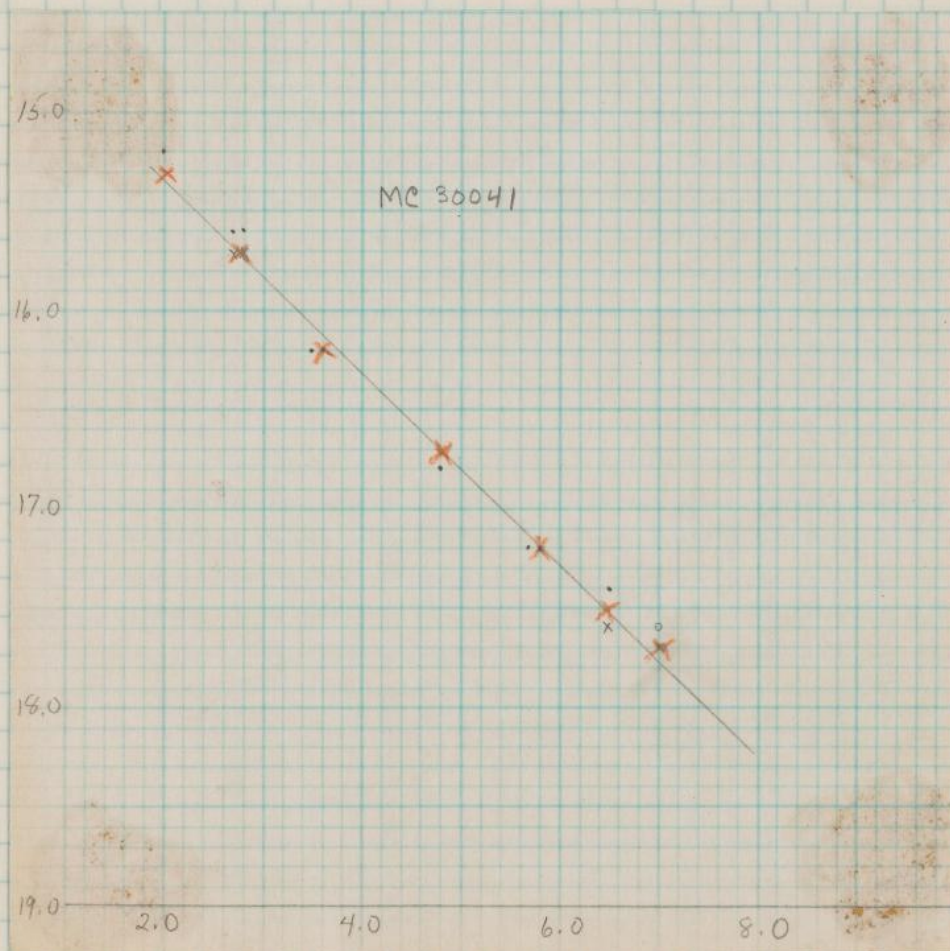
N5413 J 15.5

722 15.7

778 15.5

779 ?

801 15.7



13 06.4 +58 32

MC 30041

 $\lambda = 83.3$ $\beta = +59.1$

15

Square 1

1	16.2	16.3	16.3
2	16.7	16.8	16.8
3	17.1	17.2	17.1
4	16.1	16.2	16.2

Square 2

5	17.1	17.3	17.2
6	16.9	17.1	17.0
7	16.8	16.8	16.8
8	16.9	17.0	16.9
9	16.6	16.7	16.6
10	16.6	16.7	16.7
11	16.3	16.4	16.4
12	16.6	16.8	16.7
13	16.3	16.5	16.4
14	16.6	16.7	16.7
15	17.0	17.3	17.2
16	16.5	16.6	16.5
17	16.5	16.7	16.6
18	15.5	15.6	15.5
19	16.7	16.8	16.8
20	17.1	17.1	17.1
21	17.0	17.0	17.0
22	16.6	16.6	16.6

23	16.7	16.7	16.7
----	------	------	------

24	16.3	16.5	16.4
25	17.0	17.0	17.0
26	16.2	16.4	16.3
27	16.2	16.3	16.3
28	16.7	16.9	16.8
29	17.1	17.2	17.2
30	16.8	16.8	16.8
31	16.7	16.7	16.7
32	16.7	16.7	16.7
33	16.8	16.7	16.7
34	16.6	16.6	16.6
35	17.1	17.3	17.2
36	16.7	16.8	16.8
37	17.0	17.0	17.0
38	16.6	16.5	16.5
39	16.3	16.3	16.3
40	16.8	16.7	16.8
41	17.0	16.9	16.9
42	16.5	16.5	16.5
43	16.5	16.4	16.4
44	17.0	17.1	17.1

N4964	15.5]]	✓
N4977	15.5]]	✓

Square 3

45	16.6	16.7	16.6
----	------	------	------

M C 300 41

46	16.8	17.0	16.9	very close to *	71	16.9	16.9	16.9
47	16.7	16.6	16.7		72	16.7	16.8	16.8
48	17.2	17.2	17.2		73	16.6	16.7	16.7
49	17.1	17.2	17.2		74	16.7	16.8	16.8
50	17.2	17.3	17.3		75	16.7	16.8	16.7
51	16.9	17.1	17.0		76	16.9	17.0	17.0

Square 4

52	16.5	16.5	16.5		77	17.0	17.1	17.1
53	16.7	16.7	16.7		78	16.9	16.9	16.9
54	16.8	16.7	16.8		79	16.8	17.0	16.9
55	16.2	16.2	16.2		80	16.1	16.4	16.2
56	16.6	16.6	16.6		81	16.7	16.7	16.7
57	17.0	17.1	17.1		82	16.0	16.0	16.0
58	17.0	17.1	17.0		83	16.8	16.9	16.9
59	16.8	17.0	16.9		84	16.7	16.8	16.8
60	16.6	16.6	16.6		85	16.6	16.6	16.6
61	16.6	16.7	16.7		86	16.5	16.6	16.5
62	16.8	17.0	16.9		87	16.5	16.5	16.5
63	17.1	17.1	17.1		88	16.8	16.9	16.8
64	16.9	16.9	16.9		89	16.9	16.8	16.9
65	17.1	17.4	17.2		90	16.8	17.1	17.0
66	16.2	16.1	16.1		91	16.7	16.7	16.7
67	16.9	16.9	16.9		92	16.4	16.6	16.5
68	16.6	16.7	16.6		93	16.6	16.8	16.7
69	16.5	16.5	16.5		94	16.4	16.5	16.5
70	16.3	16.2	16.3					

} dense

MC 300 41

95 16.3 16.6 16.4

Square 6

96 17.2 17.2 17.2

117 16.5 16.4 16.5

97 15.9 16.0 15.9

118 16.8 16.9 16.8

Square 5

119 16.7 16.8 16.7

98 16.8 16.9 16.8

120 16.7 16.7 16.7

99 16.7 16.8 16.7

121 16.8 16.7 16.8

100 16.6 16.6 16.6

122 16.8 16.8 16.8

101 16.6 16.7 16.6

Square 7

102 16.8 16.8 16.8 * attached

123 16.9 16.8 16.9

103 16.5 16.6 16.5

124 16.5 16.5 16.5

~~103a 17.0~~

104 17.1 17.1 17.1

125 16.6 16.5 16.6 f.s.b.

105 16.5 16.6 16.6

126 17.0 16.9 16.9

106 16.9 17.0 16.9

127 17.1 17.1 17.1

107 16.2 16.3 16.2

128 16.1 16.2 16.2

108 16.5 16.6 16.5

129 16.9 16.8 16.9

109 17.2 17.3 17.2

130 16.5 16.5 16.5

110 16.5 16.6 16.5

131 17.0 16.9 17.0

111 16.7 16.8 16.8

132 15.7 15.7 15.7

112 16.8 16.7 16.7

133 16.5 16.5 16.5

113 16.6 16.6 16.6

134 16.3 16.4 16.3

114 15.6 15.7 15.6⁵

135 17.2 17.1 17.2

115 15.6 15.7 15.7⁶Square 8

116 16.6 16.7 16.6

136 15.9 16.0 15.9

N5164 15.5 15.5 15.5 ✓

137 16.8 17.0 16.9 very close to X

138 16.7 16.8 16.8

M C 300 41

1933phae.proj

139	16.6	16.6	16.6		164	16.8	16.8	16.8
140	16.8	16.8	16.8	S.S.B.	165	16.8	16.6	16.7
141	16.7	16.7	16.7		166	17.0	17.0	17.0
142	16.0	16.0	16.0		<u>Square 9</u>			
143	17.1	17.0	17.1		167	16.6	16.5	16.6
144	16.7	16.8	16.8		168	16.7	16.5	16.6
145	16.9	17.0	16.9		169	17.2	17.1	17.1
146	16.8	16.9	16.8		170	15.7:	15.6	¹ 15.8: spiral on edge
147	17.0	17.0	17.0		171	16.8	16.6	16.7
148	16.6	16.6	16.6		172	17.3	17.2	17.3
149	16.8	16.9	16.9		173	16.2	16.1	16.2
150	16.9	16.9	16.9		174	16.5	16.4	16.5
151	16.8	16.6	16.7		175	16.8	16.9	16.8
152	16.5	16.5	16.5		176	16.4	16.4	16.4
153	16.7	16.7	16.7		177	17.2	17.0	17.1
154	16.3	16.3	16.3		178	16.5	16.5	16.5
? 155	16.6	16.8	16.7		<u>Square 10</u>			
156	16.8	16.8	16.8		179	16.5	16.5	16.5
157	16.4	16.5	16.4		180	16.5	16.5	16.5
158	16.6	16.7	16.7		181	16.4	16.4	16.4
159	16.9	16.9	16.9		182	16.7	16.7	16.7
160	16.4	16.4	16.4		183	17.1	17.0	17.1
161	16.6	16.6	16.6		184	17.0	17.1	17.0
162	16.9	16.9	16.9		185	16.9	16.9	16.9
163	17.0	17.0	17.0		186	16.5	16.4	16.5

MC 30041

187	16.2	16.8	16.8	211	16.4	16.5	16.5
188	16.3	16.4	16.3	212	17.0	17.0	17.0
189	17.0	17.0	17.0	213	16.9	17.1	17.0
190	17.1	16.9	17.0	214	16.8	16.7	16.8
191	16.8	16.7	16.8	215	16.9	16.9	16.9
192	15.4	]	]	216	17.0	17.2	17.1
193	16.3	16.4	16.3	217	17.1	17.2	17.1
194	16.9	16.9	16.9	218	17.2	17.1	17.2
195	17.0	17.0	17.0	219	16.5	16.5	16.5
196	16.3	16.3	16.3	220	17.2	17.1	17.1
197	16.6	16.5	16.6	221	16.5	16.6	16.6
198	16.5	16.5	16.5	N4814	]15.5	]	] ✓ 12.3

Square 12

200	16.8	16.7	16.8	222	16.4	16.6	16.5
201	16.8	16.6	16.7	223	16.5	16.5	16.5
202	17.3	17.3	17.3	224	16.6	16.6	16.6
203	16.7	16.7	16.7	225	16.8	16.7	16.7
204	17.1	17.0	17.1	226	16.8	16.7	16.8
205	17.0	17.0	17.0	227	16.8	16.8	16.8
206	17.2	17.2	17.2	228	16.6	16.6	16.6
? 207	16.8	16.7	16.8	229	16.6	16.6	16.6
208	17.2	16.9	17.1	230	16.9	16.8	16.9

Square 11

209	16.8	16.8	16.8	231	17.2	17.1	17.2
210	16.7	16.8	16.8	232	16.1	16.0	16.1
				233	16.5	16.4	16.4

} double

MC 300 41

234	16.8	16.7	16.7		258	16.9	16.8	16.8
235	16.9	16.8	16.8		259	16.7	16.7	16.7
236	16.7	16.7	16.7		<u>Square 14</u>			
237	17.0	17.0	17.0		260	16.2	16.1	16.1
<u>Square 13</u>					261	16.7	16.6	16.6
238	15.5	15.5	15.5	15.4	262	16.6	16.6	16.6
239	16.6	16.6	16.6		263	17.2	17.2	17.2
240	16.8	16.8	16.8		264	16.9	16.9	16.9
241	16.8	16.9	16.9		265	17.2	17.2	17.2
242	16.8	16.8	16.8		266	17.1	17.2	17.1
243	16.4	16.4	16.4		267	16.9	16.9	16.9
244	16.5	16.6	16.6		268	17.1	17.1	17.1
245	16.9	16.8	16.9		269	16.6	16.7	16.6
246	17.0	17.0	17.0		270	17.0	16.9	16.9
247	16.0	16.2	16.1		271	17.1	17.0	17.0
248	16.8	16.8	16.8		272	16.6	16.6	16.6
249	16.9	16.9	16.9		273	16.7	16.6	16.7
250	16.6	16.6	16.6		274	17.0	16.9	17.0
251	16.4	16.5	16.4		275	17.0	17.1	17.1
? 252	16.7	16.7	16.7	double hel?	276	16.8	16.8	16.8
252a	16.9	16.9	16.9		277	16.9	17.1	17.0
253	16.1	16.1	16.1		278	16.5	16.5	16.5
254	16.8	16.8	16.8		279	16.9	16.9	16.9
255	16.3	16.3	16.3		280	16.9	17.0	17.0
256	16.2	16.1	16.1		281	16.6	16.6	16.6
257	16.3	16.3	16.3					

MC 30041

282	16.4	16.5	16.5	309	17.0	17.0	17.0
283	17.0	12.1	17.0	305	16.4	16.6	16.5
284	16.4	16.4	16.4	306	16.7	17.0	16.8
285	16.3	16.3	16.3	307	15.6		J f.s.b/1
286	16.4	16.2	16.3	308	16.6	16.6	16.6
287	17.3	17.2	17.3	309	16.7	16.7	16.7
288	16.6	16.5	16.6	310	16.7	16.7	16.7
289	16.7	16.7	16.7	311	17.1	17.0	17.1
290	16.7	16.5	16.6	312	16.8	16.8	16.8
291	17.0	17.0	17.0	313	16.5	16.5	16.5
292	17.2	17.1	17.1	314	16.2	16.1	16.2
293	16.2	16.1	16.2	315	17.0	17.1	17.1
294	15.5	15.7	15.6 ✓	316	16.8	16.8	16.8
295	16.9	16.9	16.9	317	16.3	16.4	16.4
296	17.0	16.7	16.9	318	17.0	16.9	16.9
N 5109	15.5	J	J ✓	319	16.3	16.4	16.4
I 825	15.5	J	J ✓	320	16.4	16.5	16.5
<u>Square 15</u>				321	16.1	16.1	16.1
297	16.7	16.7	16.7 very close to *	322	17.2	17.1	17.2
298	16.6	16.8	16.7	323	16.5	16.5	16.5 neb?
299	16.3	16.5	16.4	324	16.6	16.4	16.5 f.s.b
300	16.9	16.9	16.9	325	16.7	16.6	16.7
301	16.5	16.7	16.6	326	16.9	16.9	16.9
302	16.5	16.6	16.6	327	16.7	16.7	16.7
303	16.1	16.2	16.1	328	16.8	16.6	16.7

MC 30041

329	16.6	16.5	16.6	352	16.7	16.8	16.7
330	16.6	16.7	16.7	353	16.5	16.6	16.6 very close to 4
Path 609	16.5	16.5	16.5	354	16.6	16.7	16.7
<u>Square 16</u>				355	16.4	16.5	16.4
331	16.9	16.9	16.9	356	16.6	16.6	16.6
332	16.8	16.8	16.8	357	16.3	16.4	16.3
333	17.0	17.1	17.0	358	16.0	16.1	16.0
334	17.0	17.2	17.1	359	17.3	17.3	17.3
335	16.8	17.0	16.9	360	16.3	16.4	16.3
336	16.7	16.7	16.7	361	16.0	16.1	16.0
337	16.5	16.5	16.5	362	17.2	17.3	17.3
338	15.8	15.8	15.8	363	16.8	16.7	16.8
339	16.5	16.5	16.5	364	16.0	16.2	16.1
340	16.8	16.8	16.8	<u>Square 17</u>			
341	15.6	15.7	15.7 ^b	365	15.9	16.0	15.9
342	15.7	15.8	15.8	366	16.9	16.8	16.8
343	17.0	16.9	16.9	367	16.0	16.1	16.1
344	15.5	15.5	15.5	368	16.6	16.6	16.6
345	17.3	17.3	17.3	369	16.6	16.6	16.6
346	16.5	16.4	16.4	370	15.9	16.1	16.0
347	15.8	15.9	15.9	371	17.0	16.9	17.0
348	16.7	16.7	16.7	372	16.8	16.6	16.7
349	17.0	17.0	17.0	373	17.0	16.9	16.9
350	17.3	17.4	17.4	374	16.9	16.8	16.8
351	16.7	16.7	16.7	375	16.8	16.8	16.8

MC 30041

326	16.6	16.6	16.6	400	16.0	15.8	15.9
327	15.9	15.9	15.9	401	16.3	16.0	16.1
328	17.0	17.1	17.1	402	16.7	16.8	16.8
329	16.1	16.2	16.2	403	16.5	16.5	16.5
380	16.7	16.6	16.7	404	15.8	15.9	15.9
381	16.9	16.9	16.9	405	16.7	16.6	16.6
382	16.7	16.8	16.8	406	17.2	17.1	17.1
383	17.2	17.2	17.2	407	16.4	16.3	16.4
384	16.9	16.9	16.9	408			
385	16.7	16.8	16.7	409	16.5	16.5	16.5
386	16.9	17.1	17.0	<u>Square 19</u>			
387	15.5	15.5	15.5	410	17.1	17.2	17.1
388	17.1	17.0	17.0	411	17.1	17.0	17.0
389	17.1	17.0	17.1	412	16.8	16.7	16.7
390	16.2	16.3	16.2	413	16.8	16.9	16.8
391	15.6	15.7	15.7 ^b	414	16.7	16.8	16.7
<u>Square 18</u>				415	16.2	16.3	16.2
392	17.2	17.2	17.2	416	16.9	16.9	16.9
393	16.7	16.8	16.8	417	17.0	17.0	17.0
394	16.6	16.8	16.7	418	17.0	17.1	17.1
395	16.9	17.0	16.9	419	16.0	15.8	15.9
396	16.8	16.8	16.8	420	17.1	17.1	17.1
397	16.1	16.2	16.2	421	16.6	16.7	16.6
398	17.1	17.1	17.1	422	17.0	17.1	17.1
399	16.7	16.7	16.7	423	16.5	16.5	16.5

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M C 30041

424	17.1	17.3	17.2	447	16.5	16.6	16.6
425	16.8	16.9	16.8	448	17.3	17.1	17.2
426	16.7	16.7	16.7	449	17.2	17.2	17.2
427	16.6	16.6	16.6	450	17.0	17.0	17.0
428	17.1	17.2	17.1	451	16.7	16.7	16.7
429	16.9	17.0	17.0	452	16.8	16.9	16.9
430	16.6	16.6	16.6	453	16.8	16.8	16.8
431	17.0	17.0	17.0	454	16.4	16.4	16.4
432	16.9	17.1	17.0	455	16.8	16.9	16.8
433	16.9	17.0	16.9	456	17.1	17.0	17.1
434	16.8	16.9	16.8	457	16.8	16.9	16.8
435	17.0	17.1	17.1	458	16.7	16.7	16.7
436	16.8	16.9	16.8	459	17.2	17.3	17.3
437	16.7	16.7	16.7	460	16.6	16.7	16.6
438	16.0	16.0	16.0	461	16.8	16.8	16.8
439	16.4	16.6	16.5	461a	16.8	16.8	16.8
440	17.3	17.4	17.3	462	16.6	16.6	16.6

Fath 607	15.8	15.8	15.8	463	16.7	16.7	16.7
				464	16.5	16.4	16.5

Square 26

441	16.3	16.3	16.3	465	17.0	17.0	17.0
442	16.7	17.0	16.8	466	16.7	16.6	16.6
443	16.8	17.0	16.9	467	16.9	16.9	16.9
444	16.9	17.0	16.9	Fath 608	16.5	16.5	16.5
445	16.6	16.7	16.6	Fath 610	16.5	16.6	16.5
446	16.4	16.5	16.5	Fath 611	16.6	16.7	16.6
				Fath 612	16.0	15.7	15.9

MC 30041

Fath 613	16.6	16.6	16.6	480	16.8	17.0	16.9	
Fath 614	16.7	16.7	16.7	481	16.0	16.1	16.0	
Fath 615	16.7	16.7	16.7	482	16.9	16.9	16.9	
Fath 616	16.9	16.8	16.8	483	17.2	17.0	17.1	S.S.B.
Fath 617	16.6	16.5	16.5	484	16.9	17.1	17.0	
Fath 618	16.4	16.3	16.4	485	16.7	16.8	16.7	
Fath 619	16.6	16.6	16.6	486	16.6	16.8	16.7	
Fath 620	16.5	16.6	16.5	487	16.5	16.5	16.5	
Fath 621	16.3	16.3	16.3	488	16.8	16.8	16.8	
Fath 622	16.8	16.9	16.8	489	16.6	16.7	16.6	
Fath 625	16.6	16.6	16.6 attached to *	490	16.7	16.7	16.7	
Fath 626	16.5	16.5	16.5	491	17.1	17.2	17.1	

Square 21

468	16.5	16.5	16.5
469	16.8	17.0	16.9
470	16.6	16.8	16.7
471	16.4	16.4	16.4
472	16.5	16.5	16.5
473	16.1	16.3	16.2
474	17.0	17.2	17.1
475	17.1	17.2	17.1
476	16.8	17.0	16.9
477	16.3	16.3	16.3
478	16.5	16.5	16.5: very close to bright
479	17.0	17.0	17.0

Square 22

493	16.8	17.0	16.9
494	16.4	16.5	16.4
495	16.5	16.5	16.5
496	16.9	16.9	16.9
497	16.8	16.8	16.8
498	17.0	17.2	17.1
499	16.4	16.5	16.5
500	16.8	16.8	16.8 attached to *
501	16.7	16.7	16.7
502	16.5	16.5	16.5
503	16.5	16.6	16.6

MC 300 41

504	16.8	16.9	16.9	528	16.8	16.9	16.9
505	16.8	16.9	16.8	529	16.6	16.6	16.6
506	16.0	16.1	16.1	530	16.8	17.0	16.9
507	17.2	17.2	17.2	531	16.7	16.7	16.7
508	16.4	16.4	16.4	532	16.8	17.0	16.9
509	16.7	16.7	16.7	533	17.0	16.9	17.0
510	16.6	16.6	16.6	534	17.0	17.2	17.1
511	16.4	16.4	16.4	534a	16.9	17.1	17.0
512	16.2	16.2	16.2	535	17.3	17.3	17.3
513	15.9	16.0	16.0	536	16.9	17.0	16.9
514	16.4	16.7	16.5	537	16.3	16.3	16.3
<u>Square 23</u>				538	16.9	17.1	17.0
515	17.3	17.3	17.3	539	16.8	16.9	16.8
516	16.2	16.3	16.2	540	16.8	16.8	16.8
517	17.0	17.1	17.1	541	16.9	16.9	16.9
518	16.5	16.7	16.6	542	17.1	17.1	17.1
519	16.7	17.0	16.8	543	16.8	17.0	16.9
520	16.2	16.3	16.3	544	16.5	16.7	16.6
521	16.5	16.7	16.6	545	16.4	16.6	16.5
522	16.1	16.2	16.2	546	15.5:	]	15.5: double star?
523	17.3	17.4	17.3	547	16.8	16.9	16.9
524	16.3	16.4	16.4	548	16.7	16.7	16.7
525	17.0	17.1	17.1	549	16.5	16.6	16.6
526	16.5	16.5	16.5	550	15.9	15.8	15.9
527	17.1	17.2	17.2	551	16.6	16.7	16.6

MC 300 41

* 2+yclo

552	17.0	17.1	17.1		575	16.8	17.0	16.9	
553	16.7	16.9	16.8		576	16.9	17.1	17.0	
554	16.6	16.7	16.6		577	17.0	17.1	17.1	
555	17.1	17.1	17.1		578	16.7	16.9	16.8	
556	16.6	16.6	16.6		<u>Square 25</u>				
557	16.9	16.8	16.9		579	16.8	16.9	16.8	
I 852	15.4	15.4	15.5 15.4	✓	580	15.4	15.5	15.5	15.5
<u>Square 24</u>					581	16.7	16.6	16.6	
558	16.6	16.7	16.6		582	16.0	16.1	16.1	
559	16.2	16.2	16.2		583	15.8	15.9	15.8	
560	16.6	16.7	16.7		584	16.9	17.0	16.9	
? 561	16.6	16.6	16.6		585	16.7	16.8	16.8	
562	16.3	16.4	16.4		586	16.8	17.0	16.9	
563	16.7	16.8	16.7		587	16.6	16.7	16.7	
564	16.5	16.7	16.6		588	16.7	16.8	16.8	
565	16.7	16.8	16.7		589	16.4	16.7	16.5	
566	17.1	17.1	17.1		590	16.6	16.7	16.6	
567	16.8	16.9	16.8		591	16.5	16.7	16.6	
568	16.9	17.0	16.9		592	16.8	17.1	16.9	
569	17.0	17.1	17.0		593	16.2	16.1	16.2	* attached
570	17.0	17.0	17.0		<u>O E (W)</u>				
571	16.3	16.3	16.3		594	16.5	16.6	16.5	
572	16.7	16.7	16.7		595	16.5	16.6	16.6	
573	17.1	17.1	17.1		596	15.9	15.9	15.9	
574	16.8	17.0	16.9		597	15.5	15.6	15.5	✓

M C 30041

598	16.8	16.9	16.8	622	16.6	16.5	16.6
599	16.5	16.6	16.5	623	16.6	16.6	16.6
600	16.5	16.6	16.6	624	16.5	16.6	16.5
601	16.3	16.5	16.4	625	16.7	16.9	16.8
602	16.6	16.6	16.6	626	16.4	16.5	16.4
603	16.6	16.7	16.7	627	16.6	16.6	16.6
604	16.3	16.3	16.3	628	16.4	16.5	16.5
605	16.7	16.6	16.6	629	16.9	17.0	17.0
606	16.3	16.4	16.3	? 630	16.9	16.9	16.9
607	16.5	16.7	16.6	631	15.5	15.6	2 15.5
608	16.4	16.5	16.4	632	16.7	16.7	16.7
609	16.2	16.3	16.3	633	16.8	17.0	16.9
610	16.7	16.7	16.7	634	16.8	16.8	16.8
611	16.7	16.6	16.6	635	16.3	16.3	16.3
612	16.9	17.0	16.9	636	16.6	16.8	16.7
613	16.8	16.9	16.8	637	16.9	17.0	17.0
614	16.6	16.7	16.7	Fath 629	16.7	16.8	16.7
615	16.8	16.9	16.8	Fath 630	16.5	16.5	16.5
616	16.2	16.2	16.2	O _E (h)			
O _E (j)				638	16.8	16.9	16.8
617	16.4	16.3	16.3	639	16.3	16.3	16.3
618	16.6	16.6	16.6	640	16.2	16.1	16.1
619	16.7	16.6	16.6	641	16.9	16.8	16.8
620	16.3	16.0	16.1	642	16.2	16.1	16.1
621	16.7	16.5	16.6	643	16.6	16.6	16.6

M C 30041

? 644	16.8	16.9	16.8		666	15.9	15.9	15.9
645	16.6	16.7	16.7		667	16.4	16.4	16.4
646	16.7	16.8	16.8		668	16.9	17.0	17.0
647	16.7	16.7	16.7		669	16.1	16.2	16.1
648	16.6	16.6	16.6		670	16.9	16.9	16.9
649	16.0	16.2	16.1		671	16.8	16.8	16.8
650	16.6	16.7	16.7		<u>O_E (5)</u>			
651	17.0	17.0	17.0		672	16.6	16.8	16.7
652	16.4	16.5	16.4		673	16.6	16.7	16.6
653	16.6	16.4	16.5		674	16.5	16.7	16.6
654	16.5	16.8	16.7		675	16.1	16.1	16.1
N5204	15.5	7	7	✓ 12.2	676	16.4	16.3	16.3
Fath 648	16.1	16.1	16.1		677	15.6	15.5	15.5 15.6
<u>O_E (8)</u>					678	16.7	16.9	16.8
655	16.5	16.5	16.5		<u>O_W (2)</u>			
656	16.6	16.7	16.6		679	16.5	16.6	16.5
657	16.2	16.3	16.3		? 680	16.0	16.2	16.1
658	16.8	16.9	16.8		681	16.7	17.0	16.8
659	16.6	16.7	16.7		682	16.4	16.5	16.5
660	16.6	16.7	16.6		683	16.5	16.5	16.5
661	16.9	16.9	16.9		684	16.2	16.2	16.2
662	16.6	16.8	16.7		<u>O_W (1)</u>			
663	16.7	17.0	16.9		685	16.4	16.4	16.4
664	16.6	16.8	16.7		? 686	16.9	17.1	17.0
665	16.0	16.0	16.0		687	16.9	16.8	16.8

f.s.b.

MC 30041

688	17.0	17.1	17.1	711	16.7	16.7	16.7	
689	16.8	16.8	16.8	712	16.7	16.8	16.7	
690	16.6	16.5	16.6	713	17.0	16.9	17.0	
691	16.9	16.9	16.9	714	16.8	16.8	16.8	
<u>OW (c)</u>				715	16.6	16.7	16.7	
692	16.9	17.0	16.9	716	16.7	16.7	16.7	
693	17.0	16.9	17.0	717	16.2	16.3	16.2	
694	17.1	17.4	17.3	<u>OW (a)</u>				
? 695	16.6	16.7	16.6	718	16.7	16.7	16.7	
696	17.2	17.4	17.3	719	16.8	16.7	16.7	
697	16.8	16.9	16.9	720	16.6	16.7	16.6	
698	16.6	16.7	16.6	721	16.3	16.2	16.3	
699	17.0	17.0	17.0	<u>ON</u>				
700	16.4	16.3	16.3	722	16.2	16.4	16.3	
701	16.9	16.9	16.9	722a	16.0:	16.1:	16.0:	
702	16.6	16.6	16.6	? 723	16.1:	16.1:	16.1:	f.s.b
703	16.7	16.7	16.7	724	16.6	16.8	16.7	
704	16.6	16.6	16.6	725	16.6	16.6	16.6	
<u>OW (b)</u>				726	16.5	16.6	16.5	
? 705	16.6	16.6	16.6	727	16.2	16.2	16.2	
706	16.7	16.8	16.8	728	16.8	16.9	16.8	
707	16.3	16.2	16.3	729	15.6	15.6	15.6	15.4
708	16.4	16.4	16.4	730	15.9	15.9	15.9	
709	16.6	16.6	16.6	<u>OS</u>				
710	16.5	16.6	16.6	731	16.9	17.0	16.9	
				732	16.4	16.4	16.4	

J 15.7 IR 4586

733	16.7	16.7	16.7
734	15.6	15.7	15.6
735	17.0	16.9	16.9
736	16.3	16.4	16.4
737	16.3	16.3	16.3
738	16.2	16.2	16.2
739	16.8	16.8	16.8
740	16.6	16.9	16.7
741	15.9	15.9	15.9

18	15.5
N4964	J 15.5
N4977	J 15.5
114	15.5
115	15.6
N5164	J 15.5
170	15.7
192	J 15.5
N4814	12.3
238	15.4
294	15.6
N5109	J 15.5
I 875	J 15.5
307	:
341	15.6
344	J 15.5
387	J 15.5
391	15.6
546	15.5
I 852	J 15.5
580	15.4
597	15.5
631	J 15.5
N5204	12.2
677	J 15.5

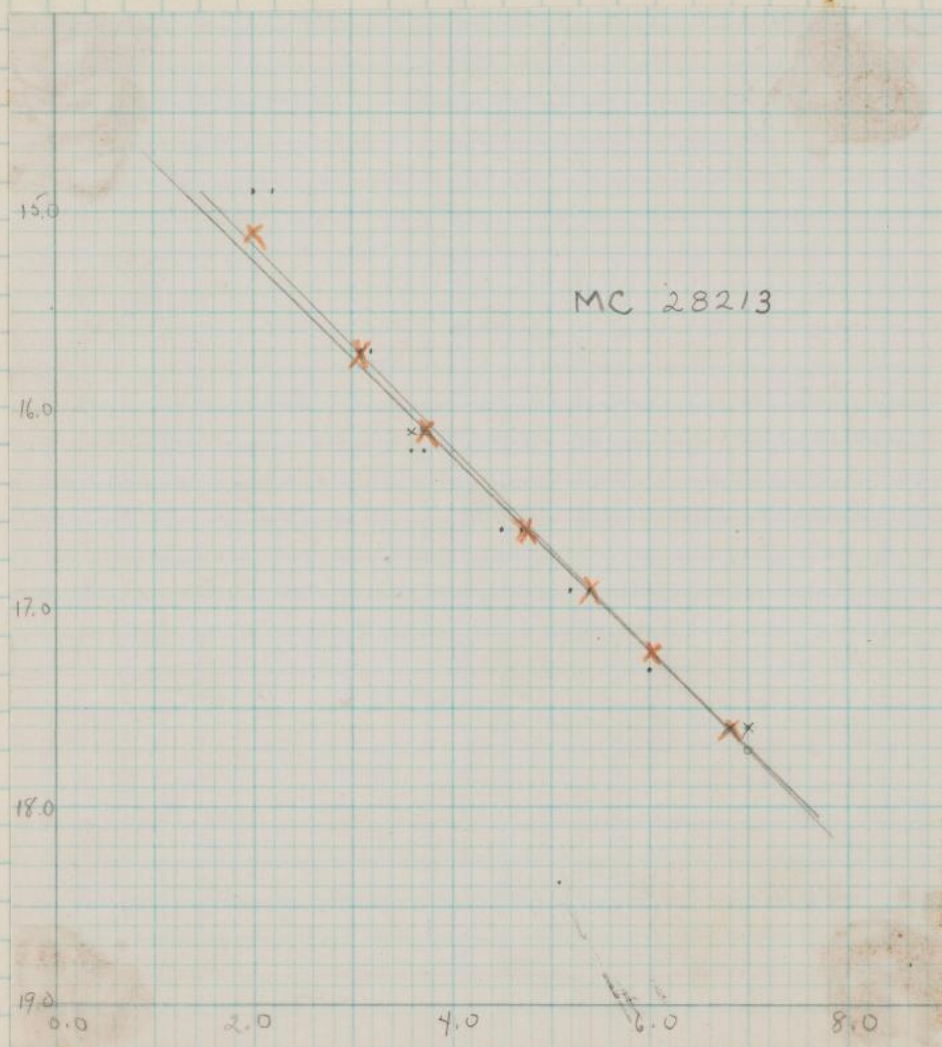
215.7

729

15.4

734

15.5



13 13.0 + 62 58

MC 28213

 $\lambda = 83^\circ.5$ $\beta = +54^\circ.6$ Square 1

1	15.4	15.5	15.4 ⁶
2	16.7	16.7	16.7
3	15.8	15.9	15.9
4	17.1	17.1	17.1
5	16.9	16.9	16.9
6	16.6	16.5	16.6
7	16.0	16.1	16.1
8	16.3	16.2	16.2

Square 2

9	16.4	16.4	16.4
10	16.2	16.2	16.2
11	15.8	15.8	15.8
12	16.2	16.2	16.2
13	16.5	16.5	16.5
14	16.6	16.6	16.6
15	16.4	16.4	16.4
16	16.5	16.6	16.5
17	16.1	16.2	16.2
18	16.4	16.5	16.5
19	16.3	16.3	16.3
20	16.9	17.0	17.0
21	16.9	16.9	16.9
22	16.0	16.1	16.1
23	16.7	16.5	16.6

24	16.7	16.7	16.7
25	16.9	17.0	17.0
26	16.6	16.6	16.6
27	16.0	16.0	16.0
28	16.2	16.2	16.2
29	15.3	15.5	15.5
30	16.8	16.7	16.7
I 852	15.5	15.5	15.5 ✓

Square 3

31	16.7	16.8	16.8
32	16.5	16.5	16.5
33	16.7	16.8	16.7
34	16.9	17.0	17.0
35	16.8	16.7	16.7
36	16.8	16.8	16.8
? 37	17.3	17.2	17.2
38	16.6	16.7	16.7
39	15.7	15.9	15.8
40	16.3	16.3	16.3
41	16.2	16.3	16.2
42	16.4	16.4	16.4
43	16.4	16.4	16.4
44	16.9	17.0	16.9
45	17.0	17.0	17.0
46	16.8	16.9	16.8

MC 28213

47	16.2	16.2	16.2	70	16.6	16.6	16.6	attached to *
48	16.6	16.6	16.6	71	16.7	16.7	16.7	
49	16.8	16.9	16.9	72	16.8	16.8	16.8	
50	16.9	16.9	16.9	73	16.5	16.5	16.5	

Square 4

51	16.3	16.3	16.3	74	16.4	16.5	16.4	
52	16.9	17.0	17.0	75	16.5	16.6	16.5	
53	16.8	16.9	16.9	77	16.9	17.1	17.0	
54	16.5	16.5	16.5	78	16.7	16.6	16.6	
55	16.7	16.7	16.7	79	16.8	16.7	16.7	
56	16.6	16.6	16.6	80	16.8	16.9	16.8	
57	16.7	16.8	16.8	81	16.8	16.8	16.8	
58	16.9	17.0	16.9	82	16.9	17.0	16.9	
59	16.8	16.9	16.8	83	16.4	16.3	16.4	
60	16.8	16.8	16.8	84	16.9	17.0	16.9	
61	16.9	17.0	16.9	85	16.8	16.8	16.8	
62	16.7	16.8	16.8	86	16.7	16.7	16.7	
63	16.3	16.3	16.3	87	15.4	15.6	15.5	
64	17.0	17.1	17.1	88	16.3	16.4	16.4	
65	16.7	16.8	16.8	89	15.8	15.8	15.8	
66	16.8	17.0	16.9	90	16.5	16.6	16.5	
67	16.8	16.8	16.8	91	16.5	16.5	16.5	
				92	16.1	16.1	16.1	

Square 5

68	16.7	16.9	16.8	93	16.9	16.9	16.9	
69	16.5	16.6	16.5	94	16.8	16.8	16.8	
				95	16.0	16.2	16.1	

MC 28213

Square 6

96	15.9	15.9	15.9
97	16.6	16.7	16.6
98	17.0	16.9	16.9
99	16.9	16.9	16.9
100	16.5	16.5	16.5
101	16.9	17.0	17.0
102	15.8	16.0	15.9
103	16.5	16.6	16.5
104	16.9	17.0	17.0
105	16.7	16.8	16.7
106	17.3	17.3	17.3
107	16.2	16.3	16.2
108	16.4	16.4	16.4
109	16.0	16.0	16.0
110	15.8	15.9	15.9

Square 7

111	15.7	15.9	15.8
112	16.9	16.9	16.9
113	16.7	17.0	16.8
114	16.9	17.1	17.0
115	16.0	16.3	16.1
116	16.6	16.8	16.7
117	17.3	17.4	17.4
118	16.8	16.9	16.9

119	15.9	16.1	16.0
120	15.7	16.0	15.8
121	16.7	16.7	16.7
122	16.8	16.9	16.9
123	16.6	16.8	16.7
124	16.5	16.7	16.6
125	16.5	16.5	16.5: very close to highlight
126	16.4	16.5	16.4
127	16.8	17.0	16.9
128	17.1	17.1	17.1
129	16.5	16.6	16.5
130	16.1	16.2	16.2

Square 8

131	16.3	16.4	16.3
132	17.0	17.1	17.0
133	17.0	17.1	17.1
134	17.2	17.2	17.2
135	16.5	16.6	16.6
136	16.5	16.7	16.6
137	17.2	17.2	17.2
138	16.6	16.7	16.7
139	17.0	17.1	17.0
140	16.9	17.0	16.9 very close to highlight
141	16.6	16.7	16.6
142	16.7	16.7	16.7

MC 28213

143	16.8	16.9	16.9	166	16.6	16.6	16.6
144	16.5	16.6	16.6	167	16.2	16.5	16.3
145	16.8	16.8	16.8	168	17.0	17.0	17.0
146	16.9	17.0	16.9	169	16.7	16.7	16.7
147	16.9	16.9	16.9	170	16.6	16.7	16.6

Square 9

148	16.8	16.8	16.8	171	16.5	16.6	16.5
149	17.0	17.0	17.0	172	16.2	16.3	16.2
150	16.6	16.7	16.6	173	16.3	16.5	16.4
151	17.0	17.1	17.1	174	16.5	16.6	16.5
152	16.9	17.0	17.0	175	16.8	16.9	16.8
153	16.7	16.7	16.7	176	15.4	15.6	15.5 ⁷
154	16.5	16.5	16.5	177	15.8	16.1	15.9
155	17.0	17.1	17.1	178	16.9	16.9	16.9
156	16.8	17.0	16.9	179	16.7	16.8	16.8
? 157	16.6:	16.8	16.7:	180	15.8	16.2	16.0

158	16.2	16.4	16.3	181	16.8	16.9	16.9
159	16.9	16.9	16.9	182	16.5	16.6	16.6
160	16.8	16.8	16.8	183	17.0	17.1	17.1
161	16.8	16.9	16.8	184	16.9	17.0	17.0
				185	16.4	16.7	16.5

Square 10

162	16.8	16.8	16.8	186	16.8	16.9	16.8
163	16.5	16.7	16.6	187	16.7	16.9	16.8
164	16.7	16.7	16.7				
165	16.4	16.6	16.5				

Square 11

188	16.2	16.3	16.3
189	16.5	16.8	16.6

rule?

MC 28213

190	16.8	16.9	16.9		214	] 15.5]] ✓
191	16.5	16.7	16.6		215	] 15.5]] ✓
192	15.9	16.2	16.0		216	15.8	16.0	15.9
193	16.7	17.0	16.9	attached to *	217	16.9	16.9	16.9
194	16.1	16.3	16.2		218	16.7	16.8	16.8
195	16.9	17.0	17.0		219	16.8	16.9	16.9
196	16.7	16.9	16.8		220	15.3	16.5	16.4
197	16.6	16.8	16.7		221	16.0	16.4	16.2
198	16.5	16.6	16.5		N 5007	] 15.5]] ✓
199	16.8	16.8	16.8		<u>Square 13</u>			
200	16.4	16.7	16.6		222	16.7	16.8	16.8
201	16.6	16.8	16.7		223	16.6	16.7	16.7
202	16.4	16.6	16.5		224	16.2	16.5	16.4
203	17.2	17.2	17.2		225	15.6	15.8	15.7
204	16.7	16.9	16.8		226	17.1	17.1	17.1
205	16.5	16.8	16.7		227	16.5	16.6	16.5
206	16.6	16.8	16.7		228	15.9	16.0	16.0
207	16.1	16.4	16.2		229	16.8	16.9	16.9
<u>Square 12</u>					230	17.0	17.0	17.0
208	17.0	17.1	17.1		231	16.9	16.9	16.9
209	15.8	15.9	15.8		232	16.9	16.9	16.9
210	17.1	17.2	17.1		233	17.1	17.1	17.1
211	17.1	17.1	17.1		234	16.9	17.1	17.0
212	15.3	15.4	15.4 ✓		235	16.8	17.0	16.9
213	15.9	16.0	15.9		236	15.7	15.9	15.8

MC 28213

237	16.6	16.7	16.6	} <i>trifide</i>	261	16.6	16.7	16.7
238	16.4	16.5	16.5		262	16.6	16.8	16.7
239	15.9	16.1	16.0		263	16.6	16.7	16.6
240	15.7	15.9	15.8		264	16.5	16.5	16.5
241	16.0	16.4	16.2		265	16.6	16.6	16.6
242	16.2	16.5	16.4		266	16.5	16.6	16.5
243	17.1	17.2	17.1		267	17.1	17.0	17.0

Square 14

244	15.9	16.2	16.0
245	16.6	16.7	16.7
246	16.6	16.7	16.6
247	16.4	16.7	16.5

248	16.5	16.8	16.6
-----	------	------	------

249	15.5	15.6	15.5
-----	------	------	------

250	16.8	16.8	16.8
-----	------	------	------

251	16.5	16.6	16.6
-----	------	------	------

252	16.0	16.2	16.1
-----	------	------	------

253	16.7	16.8	16.7
-----	------	------	------

254	16.8	17.0	16.9
-----	------	------	------

255	17.2	17.3	17.2
-----	------	------	------

256	16.8	17.0	16.9
-----	------	------	------

attached to *

257	16.0	16.1	16.1
-----	------	------	------

258	16.7	16.8	16.8
-----	------	------	------

259	16.7	16.8	16.7
-----	------	------	------

260	15.9	16.0	16.0
-----	------	------	------

Square 15

272	15.6	15.6	15.6
-----	------	------	------

273	15.8	15.9	15.9
-----	------	------	------

274	16.8	16.8	16.8
-----	------	------	------

275	17.1	17.1	17.1
-----	------	------	------

276	16.8	16.8	16.8
-----	------	------	------

277	17.2	17.2	17.2
-----	------	------	------

278	16.0	16.4	16.2
-----	------	------	------

279	16.9	16.8	16.8
-----	------	------	------

280	16.8	16.9	16.9
-----	------	------	------

281	15.9	16.3	16.1
-----	------	------	------

282	16.8	16.8	16.8
-----	------	------	------

283	16.6	16.7	16.6
-----	------	------	------

284	17.1	17.2	17.1
-----	------	------	------

MC 28213

285	16.7	16.8	16.8		305	17.1	17.1	17.1	
286	17.2	17.2	17.2		I 836	15.5]]	✓
287	16.9	17.1	17.0		<u>Square 12</u>				
288	17.1	17.1	17.1	} done	306	16.9	16.9	16.9	
289	17.0	17.1	17.1		307	16.8	16.9	16.8	
290	15.8	15.9	15.8		308	17.0	17.0	17.0	
291	16.4	16.4	16.4		309	16.5	16.6	16.5	
292	16.9	16.9	16.9		310	16.9	16.9	16.9	
N 5205	15.5	]	]	✓	311	16.6	16.8	16.7	
N 5216	15.5	]	]	✓	312	16.2	16.3	16.2	
N 5218	15.5	]	]	✓	313	15.8	15.9	15.9	
Remans 5216/9	15.5	]	]	✓	314	16.9	16.9	16.9	
<u>Square 16</u>					315	16.7	16.7	16.7	
293	16.8	16.9	16.9		316	16.8	16.8	16.8	
294	16.7	16.9	16.8		<u>Square 18</u>				
295	16.7	16.8	16.8		317	16.4	16.3	16.4	
296	16.2	16.4	16.3		318	16.7	16.8	16.7	
297	16.3	16.5	16.4		319	16.8	16.8	16.8	
298	16.6	16.8	16.7		320	16.8	16.9	16.8	
299	16.6	16.8	16.7		321	17.1	17.1	17.1	
300	16.4	16.5	16.5		322	16.1	16.4	16.3	
301	17.0	17.1	17.0		323	17.0	17.0	17.0	
302	16.9	17.0	16.9		324	17.1	17.1	17.1	
303	15.9	16.2	16.0		325	16.9	16.9	16.9	
304	16.8	16.9	16.9		326	17.1	17.1	17.1	

MC 28213

327 16.8 16.8 16.8

Square 18328 15.5: 15.5: 15.5: ⁶

329 16.7 16.7 16.7

330 16.8 16.7 16.8

331 17.2 17.1 17.1

332 17.0 17.2 17.1

333 16.9 16.9 16.9

Square 20

334 16.8 16.8 16.8

335 16.3: 16.0: 16.2: 5.5.6

336 16.6 16.6 16.6

337 16.9 16.9 16.9

338 17.0 17.1 17.1

339 16.5 16.6 16.6

340 17.0 16.9 16.9

341 17.1 17.2 17.2

342 16.7 16.7 16.7

Square 21

343 15.9 16.1 16.0

344 15.9 16.2 16.1

345 16.8 16.9 16.8

346 16.5 16.8 16.7

347 16.7 16.8 16.8

348 16.7 16.7 16.7

349 15.7 16.0 15.9

350 16.5 16.7 16.6

351 16.3 16.4 16.4

Square 22

352 16.8 17.0 16.9

353 16.6 16.7 16.7

354 16.8 16.9 16.8

355 16.5 16.5 16.5

356 16.5 16.5 16.5

357 16.9 17.1 17.0

358 16.7 16.8 16.7

Square 23

359 16.6 16.6 16.6

360 16.8 16.9 16.8

361 16.8 16.8 16.8

362 16.6 16.7 16.7

363 16.8 16.9 16.8

364 16.9 17.0 16.9

Square 24

365 17.0 17.0 17.0

366 16.7 16.7 16.7

367 16.9 17.0 17.0

368 16.9 16.9 16.9

369 16.7 16.7 16.7

370 16.0 16.1 16.1

MC 28213

371	16.9	16.8	16.8	<u>OE (J)</u>			
? 372	16.5	16.7	16.6	394	16.7	16.7	16.7
373	17.0	17.1	17.1	395	16.0	16.2	16.1
374	16.8	16.9	16.8	<u>OE (H)</u>			
375	16.7	16.8	16.7	396	16.8	16.8	16.8
<u>Square 25</u>				397	17.0	17.1	17.1
376	16.2	16.4	16.3	398	16.9	17.0	17.0
377	16.9	17.0	17.0	399	16.0	16.0	16.0
378	16.7	16.7	16.7	400	16.6	16.7	16.7
379	16.9	17.1	17.0	401	16.7	16.9	16.8
380	16.8	16.8	16.8	402	16.9	16.9	16.9
381	16.7	16.7	16.7	403	16.7	16.7	16.7
382	16.9	16.9	16.9	404	15.8	15.8	15.8
383	17.0	16.9	16.9	405	16.4	16.5	16.4
384	16.8	16.8	16.8	406	16.3	16.5	16.4
385	16.0	16.0	16.0	407	16.7	16.9	16.8
386	16.5	16.6	16.6	408	16.6	16.6	16.6
387	16.2	16.3	16.3	409	16.6	16.6	16.6
388	16.8	16.8	16.8	410	16.4	16.4	16.4
389	17.0	17.0	17.0	411	16.0	16.1	16.1
<u>OE (H)</u>				412	16.5	16.7	16.6
390	16.0	16.2	16.1	<u>OE (g)</u>			
391	16.2	16.3	16.2	413	16.8	17.0	16.9
392	16.6	16.7	16.7	414	15.9	16.0	16.0
393	16.7	16.8	16.8	415	16.6	16.6	16.6

MC 28213

416	16.7	16.7	16.7	440	16.0	16.0	16.0
417	12.1	12.0	12.1	441	15.4	15.6	15.5 ✓
418	16.7	16.8	16.8	442	16.9	12.0	16.9
419	16.3	16.5	16.4	443	16.8	17.0	16.9
420	15.4	15.6	15.5 ^b	444	16.9	17.0	17.0
421	16.9	12.1	17.0	445	16.4	16.5	16.5
422	16.2	16.1	16.1	446	16.5	16.5	16.5
423	16.1	16.2	16.2	447	15.8	15.8	15.8
424	15.8	15.9	15.9	<u>Ow (4)</u>			
425	16.5	16.5	16.5	448	16.4	16.7	16.6
426	16.7	16.7	16.7	449	16.3	16.4	16.3
427	15.6	15.7	15.7 ⁷	450	16.4	16.5	16.4
428	16.6	16.7	16.7	451	16.1	16.2	16.1
<u>O = (3)</u>				452	16.3	16.4	16.4
429	16.7	16.8	16.8	453	17.0	17.0	17.0
430	16.8	16.6	16.6	454	16.6	16.6	16.6
431	] 15.5	]	] ✓	455	12.1	12.1	12.1
432	16.9	16.9	16.9	<u>Ow (1)</u>			
433	16.3	16.4	16.3	456	16.8	17.0	16.9
434	12.0	12.1	12.0	457	16.5	16.5	16.5
435	16.4	16.3	16.3	458	16.4	16.4	16.4
436	16.8	16.7	16.8	459	16.8	16.8	16.8
437	12.0	16.9	16.9	460	16.7	16.7	16.7
438	16.9	16.8	16.8	461	16.1	16.2	16.1
439	16.4	16.6	16.5	462	17.0	17.1	17.0

} done
with 440

463 16.5 16.6 16.5

0w(c)

464 15.9 16.1 16.0

465 16.3 16.6 16.4

466 16.4 16.7 16.5

467 16.5 16.6 16.6

468 15.9 16.3 16.1

469 16.1 16.5 16.3

470 16.6 16.9 16.7

471 16.5 16.6 16.6

472 16.5 16.8 16.7

473 15.5 15.7 15.6⁷

474 16.3 16.6 16.4

475 16.8 16.9 16.9

476 16.5 16.8 16.6

477 16.3 16.6 16.5

0w(b)

478 16.9 16.9 16.9

479 16.8 16.8 16.8

480 16.8 16.8 16.8

481 15.8 16.0 15.9

482 16.1 16.3 16.2

0w(a)

483 16.2 16.5 16.4

484 16.7 16.9 16.8

485 16.1 16.5 16.3

486 15.7 15.9 15.8

487 16.7 16.7 16.7

488 15.7 15.9 15.8

489 16.2 16.6 16.5

490 16.1 16.2 16.1

0N

491 15.8 15.9 15.8

492 16.7 16.8 16.7

493 16.8 16.9 16.8

494 16.4 16.3 16.3

495 16.6 16.5 16.6

496 17.1 17.2 17.1

0s

497 16.7 16.7 16.7

498 16.4 16.3 16.4

499 16.7 16.9 16.8

500 16.3 16.4 16.3

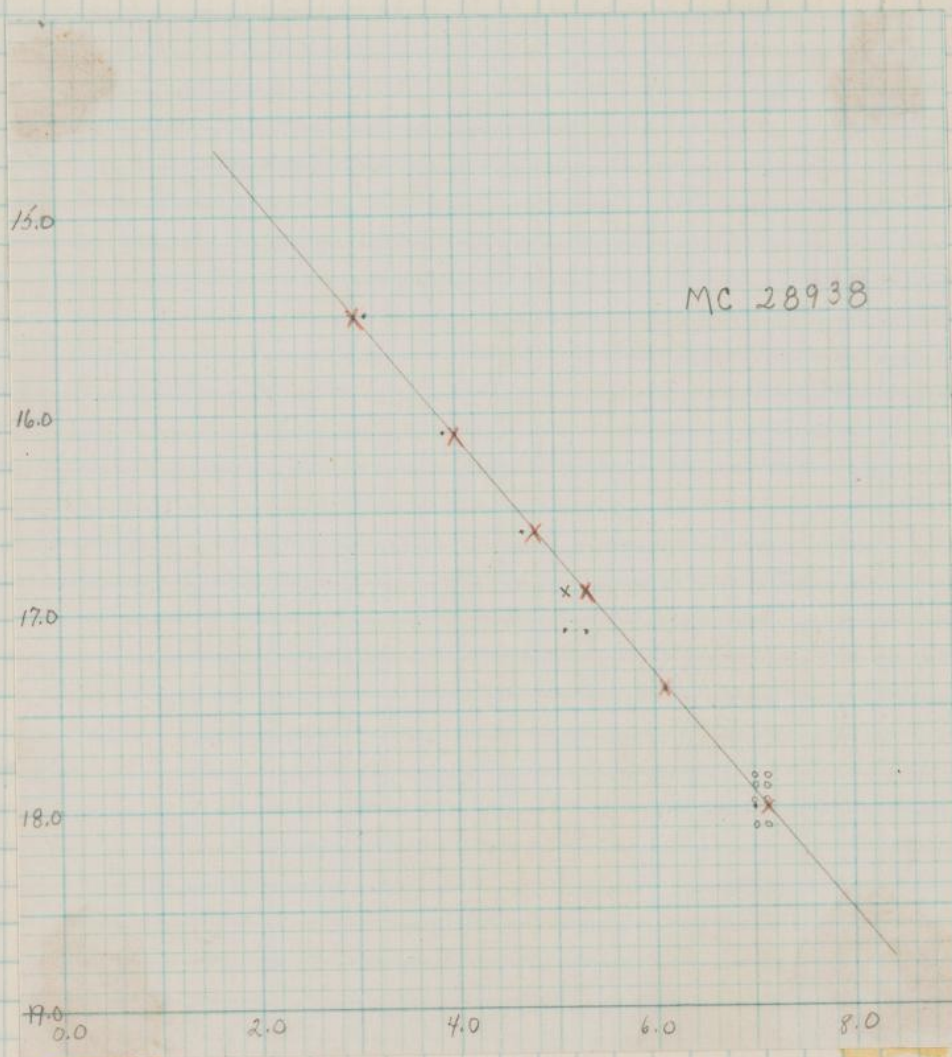
501 16.2 16.4 16.3

502 16.2 16.3 16.2

503 16.1 16.1 16.1

504 16.7 16.6 16.7

	J 15.7	IR 4569
1	15.6	
29	15.8	
I 852	15.5	
87	:	
176	15.7	
212	15.4	
214	J 15.5	
215	J 15.5	
N 5007	15.4	
225	:	
249	15.5	
272	film scratched	
N 5205	J 15.5	
N 5216	J 15.5	
N 5218	J 15.5	
Keenan 5216A	15.4	
I 836	J 15.5	
328	15.6	
420	15.6	
427	15.7	
431	15.4	
441	15.5	
473	15.7	



12^h 17.^m7

+48° 52'

MC 28938

 $\lambda = 100.1$ $\beta = +68.7$

49

Square 1

				23	16.8	16.8	16.8
1	16.8	16.7	16.7	24	16.8	16.8	16.8
2	16.6	16.3	16.4	25	16.9	16.8	16.9
3	17.4	17.6	17.5	26	17.3	17.5	17.4
4	16.9	16.9	16.9	27	16.7	16.7	16.7
5	17.6	17.6	17.6	28	16.5	16.5	16.5
6	17.5	17.4	17.5	29	16.3	16.3	16.3
7				30	17.2	17.2	17.2
8	17.2	17.1	17.2	31	17.4	17.3	17.4
9	17.2	17.0	17.1	32	17.2	17.1	17.1
10	17.1	17.0	17.1	33	17.1	17.0	17.0
11	17.3	17.2	17.2	34	16.0	16.0	16.0
12	16.9	16.9	16.9	35	16.7	16.7	16.7
13	17.4	17.5	17.5	36	17.5	17.7	17.6
14	17.5	17.4	17.4	37	17.4	17.5	17.5
15	17.6	17.5	17.5	38	17.0	16.9	17.0
16	15.7	15.5	15.6	39	17.4	17.5	17.5
17	17.0	16.9	17.0	40	17.3	17.3	17.3
18	17.0	16.9	16.9	41	16.9	16.9	16.9
19	17.5	17.5	17.5	42	17.3	17.5	17.4
20	16.7	16.7	16.7	43	16.8	16.6	16.7
21	15.6	15.5	15.6	44	17.6	17.6	17.6
N4144	15.5			45	15.8	15.9	15.8

Spinal on Edge

very close
to star

Square 2

22 16.9 16.9 16.9

47 16.1 16.2 16.1

48	17.3	17.4	17.4
49	17.6	17.8	17.7
50	16.5	16.6	16.5
51	16.9	16.9	16.9
52	16.5	16.7	16.6
53	17.2	17.2	17.2
54	17.4	17.6	17.5

Square 3

55	17.3	17.3	17.3
56	16.8	16.9	16.8
57	17.0	16.9	16.9
58	16.8	16.8	16.8
59	16.9	16.9	16.9
60	17.0	17.0	17.0
61	17.0	17.0	17.0
62	16.4	16.4	16.4
63	17.1	17.0	17.0
64	17.4	17.5	17.5
65	17.3	17.3	17.3
66	16.5:	16.6:	16.6:
67	16.2:	16.2:	16.2:
68	16.7	16.7	16.7
69	16.6	16.6	16.6
70	16.2	16.1	16.1
71	17.1	17.3	17.2

} Part of N 4288

72	17.0	17.1	17.0
73	16.5	16.6	16.5
74	17.3	17.4	17.4
75	16.8	16.9	16.9
76	17.3	17.3	17.3
77	17.1	17.1	17.1
78	17.6	17.7	17.6
79	17.5	17.5	17.5
80	17.0	16.9	16.9
81	16.6	16.5	16.6
82	17.2	17.4	17.3
83	17.1	17.1	17.1
84	17.1	17.2	17.1
85	17.5	17.4	17.4
86	17.2	17.2	17.2
87	17.0	16.9	16.9
88	15.8	16.0	15.9
89	17.1	17.0	17.0
90	16.7	16.7	16.7
91	17.3	17.4	17.3
92	16.5	16.4	16.4
93	15.8	16.0	15.9
94	17.2	17.4	17.3
95	16.5	16.4	16.5
96	16.9	17.0	17.0

} double

Attached to *

97	16.8	16.8	16.8		118	17.0	16.9	17.0
98	17.0	17.0	17.0		119	16.7	16.7	16.7
99	16.4	16.3	16.3		120	17.3	17.3	17.3
100	16.2	16.3	16.2		121	17.3	17.3	17.3
101	16.6	16.5	16.5	} double	122	16.6	16.5	16.5
102	17.3	17.3	17.3		?123	16.4	16.5	16.4
103	16.7	16.6	16.6		124	16.5	16.4	16.5
104	17.2	17.0	17.1		125	17.0	16.9	17.0
105	16.5	16.6	16.5		126	17.5	17.7	17.6
106	16.1	16.2	16.2		127	17.2	17.2	17.2
107	17.7	17.7	17.7		128	17.1	17.0	17.1
108	17.2	17.1	17.1		129	16.3	16.2	16.2
109	15.5	15.4	15.5		130	16.9	16.7	16.8
110	16.8	16.7	16.8		131	17.2	17.1	17.1
111	17.2	17.0	17.1		132	17.0	16.8	16.9
112	16.7	16.7	16.7		133	16.8	16.6	16.7
113	16.4	16.4	16.4		Holm 399a	16.5	16.5	16.5
114	17.2	17.1	17.1		399b	16.3	16.2	16.2
115	17.5	17.5	17.5		401a	15.8	15.7	15.7
N4288	15.5	15.5	15.5		401b	16.0	15.8	15.9
N4392	15.5	15.5	15.5		Square 5			
Holm 371b	16.2	16.3	16.2		134	16.9	16.9	16.9
Square 4					135	16.3	16.2	16.2
116	17.5	17.4	17.5		136	16.1	16.1	16.1
117	16.3	16.3	16.3		137	17.1	17.0	17.1

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138	16.7	16.4	16.6	162	16.8	16.8	16.8	double reb.?	181
139	16.8	16.7	16.7	163	16.5	16.5	16.5		187
140	17.0	16.9	17.0	164	16.1	16.6	16.1		188
141	15.6	15.7	15.7	165	16.7	16.6	16.6		189
142	17.4	17.5	17.4	166	16.5	16.4	16.5		190
143	16.6	16.7	16.7	167	16.8	16.7	16.8		191
144	16.2	16.3	16.2	168	16.9	16.9	16.9		192
145	17.2	17.1	17.1	169	17.1	17.0	17.1		193
146	17.1	17.0	17.0	170	16.5	16.5	16.5		194

Square 6

147	17.2	17.4	17.3	171	16.1	16.1	16.1		195
148	17.6	17.7	17.7	172	17.0	16.9	17.0		196
149	17.4	17.5	17.4	173	17.4	17.4	17.4		197
150	16.4	16.5	16.5	174	17.0	16.9	16.9		198
151	16.8	16.8	16.8	175	17.2	17.2	17.2		199
152	17.5	17.7	17.6	176	16.4	16.3	16.4		200
153	17.5	17.4	17.4	177	17.0	17.0	17.0		201
154	15.7	15.5	15.6	178	16.9	16.8	16.9		202
155	16.4	16.3	16.3	179	16.5:	16.5:	16.5:	FSB	N42
156	17.4	17.2	17.6	180	17.2	17.1	17.2		N42
157	17.6	17.4	17.5	181	16.5	16.4	16.5		N42
158	16.4	16.3	16.3	182	17.4	17.5	17.4		N42
159	16.8	16.8	16.8	183	17.4	17.5	17.5		N42

* attached

Square 7

160	16.1	15.9	16.0	184	16.8	16.8	16.8		LICK
161	17.1	17.0	17.0	185	17.0	17.0	17.0		LICK

1933phae.proj

186	17.1	17.0	17.0	Lick 360	17.2	17.2	17.2	
187	16.8	16.8	16.8	" 361	16.4	16.4	16.4	
188	17.6	17.7	17.7	" 363	16.8	16.8	16.8	
189	17.5	17.8	17.6	" 370	16.9	16.9	16.9	
190	16.6	16.6	16.6	" 374	16.8	16.8	16.8	
191	17.2	17.2	17.2	" 376	17.3	17.2	17.3	
192	17.5	17.6	17.5	" 395	16.4	16.6	16.5	
193	17.4	17.5	17.4	Square 8				
194	16.5	16.5	16.5	203	17.4	17.4	17.4	
195	16.0	15.9	15.9	204	17.3	17.3	17.3	
196	16.9	16.6	16.8	205	17.5	17.6	17.6	
197	17.2	17.3	17.3	206	16.9	17.0	16.9	
198	17.6	17.4	17.5	207	16.9	16.7	16.8	
199	17.3	17.3	17.3	208	17.5	17.6	17.6	
200	17.4	17.5	17.4	* very close	209	17.4	17.3	17.3
201	16.7	16.7	16.7	210	16.9	16.7	16.8	
202	17.5	17.7	17.6	211	17.6	17.8	17.7	
N4217	15.5	]	]	212	17.2	17.2	17.2
N4226	15.5	]	]	213	17.2	17.3	17.2
N4231	15.5	]	]	214	17.0	17.1	17.1
N4232	15.6	15.5	15.5	215	16.8	16.8	16.8	
N4248	15.5	]	]	216	16.8	16.8	16.8
N4258	15.5	]	]	217	16.6	16.8	16.7
Lick 358	16.5	16.5	16.5	218	17.0	16.9	17.0	
Lick 359	16.4	16.3	16.4	219	16.5	16.6	16.5	

FSB

FSB

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220	17.2	17.3	17.2	243	17.5	17.6	17.5	267
221	17.0	17.0	17.0	244	17.0	16.9	17.0	268
222	16.5	16.5	16.5	245	17.3	17.5	17.4	269
223	15.6	15.7	15.7	246	16.3	16.0	16.1	270
224	17.4	17.3	17.4	247	17.0	17.2	17.1	271
225	17.6	17.7	17.7	248	17.1	17.1	17.1	272
N4346	15.5	]	]	249	16.9	16.9	16.9	273
Square 9				250	16.7	16.7	16.7	274
226	16.9	16.8	16.8	251	15.9	15.9	15.9	275
227	16.3	16.2	16.3	252	16.2	16.2	16.2	276
228	17.5	17.5	17.5	253	16.5	16.4	16.4	277
229	17.5	17.6	17.6	254	16.6	16.5	16.5	278
230	17.2	17.1	17.1	255	16.5	16.2	16.4	279
231	17.1	17.0	17.0	256	16.4	16.3	16.3	280
232	16.2	16.2	16.2	257	15.8	15.8	15.8	281
233	17.1	16.9	17.0	Square 10				282
234	17.1	17.0	17.1	258	17.2	16.9	17.0	283
235	17.5	17.6	17.6	259	17.3	17.3	17.3	284
236	17.1	17.1	17.1	260	17.0	17.0	17.0	285
237	17.4	17.2	17.3	261	15.7	15.8	15.7	286
238	17.5	17.6	17.5	262	17.7	17.5	17.6	287
239	17.0	17.3	17.2	263	15.7	16.0	15.8	288
240	15.5	]	]	264	17.3	17.1	17.2	289
241	17.4	17.4	17.4	265	17.5	17.5	17.5	290
242	16.9	16.7	16.8	266	16.3	16.1	16.2	291

} double

267	16.5	16.5	16.5	292	16.0	16.1	16.0
268	16.9	17.0	16.9	293	16.6	16.6	16.6
269	17.0	17.0	17.0	Square 11			
270	16.1	16.0	16.0	294	16.9	17.1	17.0
271	16.6	16.5	16.5	295	16.9	17.0	16.9
272	16.1	16.1	16.1	296	17.1	17.4	17.2
273	16.6	16.7	16.6	297	16.9	16.9	16.9
274	17.2	17.3	17.3	298	17.2	17.2	17.2
275	16.5	16.5	16.5	299	17.2	17.1	17.1
276	16.0	16.1	16.0	300	17.4	17.6	17.5
277	16.6	16.6	16.6	301	17.2	17.1	17.2
278	17.3	17.4	17.3	302	17.5	17.4	17.5
279	17.1	17.3	17.2	303	16.1	16.1	16.1
280	17.0	17.2	17.1	304	17.4	17.5	17.4
281	16.7	16.6	16.6	305	17.1	17.0	17.1
282	16.6	16.6	16.6	306	17.5	17.7	17.6
283	16.0	16.0	16.0	307	16.8	16.8	16.8
284	16.8	16.7	16.7	308	16.8	16.7	16.8
285	16.2	16.2	16.2	309	17.8	17.9	17.9
286	16.7	16.7	16.7	310	16.9	16.8	16.8
287	17.0	16.8	16.9	311	16.5	16.5	16.5
288	17.2	17.1	17.2	312	17.0	16.9	16.9
289	17.3	17.4	17.3	313	17.1	16.9	17.0
290	16.5	16.6	16.6	314	17.1	16.9	17.0
291	17.5	17.6	17.5	315	16.9	17.0	17.0

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316	17.1	16.9	17.0		340	16.8	16.6	16.7	N42
317	16.4	16.2	16.3		341	17.5	17.2	17.6	N42
318	16.8	16.9	16.9	FSB	342	17.0	17.0	17.0	
319	16.6	16.6	16.6		343	16.9	16.9	16.9	36
320	17.6	17.5	17.6		344	17.4	17.4	17.4	36
321	17.5	17.4	17.5		345	17.1	17.1	17.1	36
322	17.1	17.0	17.0		346	16.9	16.9	16.9	36
323	17.1	16.9	17.0		347	17.0	16.7	16.9	36
324	17.0	16.8	16.9		348	17.0	16.8	16.9	37
325	16.9	16.9	16.9	image scratched	349	16.9	16.8	16.8	37
326	17.1	16.9	17.0		350	17.3	17.2	17.3	37
327	17.0	16.8	16.9		351	17.4	17.3	17.4	37
328	17.4	17.4	17.4		352	17.0	16.8	16.9	37
Square 12					353	17.4	17.4	17.4	37
329	17.3	17.3	17.3		354	17.4	17.5	17.5	37 faint * attached
330	16.4	16.3	16.3		355	17.2	17.2	17.2	37
331	16.4	16.2	16.3		356	17.3	17.1	17.2	37
332	17.5	17.5	17.5		357	16.8	16.9	16.8	37
333	17.2	17.1	17.2		358	16.8	16.8	16.8	38
334	17.3	17.0	17.1		359	16.7	16.7	16.7	38
335	17.1	16.9	17.0		360	16.5	16.6	16.5	38
336	17.1	17.0	17.0		361	16.9	16.9	16.9	38
337	17.0	16.9	16.9		362	16.3	16.2	16.2	38
338	16.8	16.7	16.8		363	17.2	17.2	17.2	38
339	16.2	16.2	16.2		364	17.3	17.4	17.3	38 * Attached

N4218 15.5]]]]

N4220 15.5]]]]

Square 13

365 17.3 17.2 17.2

366 17.5 17.4 17.5

367 17.2 17.3 17.2

368 17.0 17.1 17.1

369 17.4 17.4 17.4

370 16.5 16.4 16.4

371 16.6 16.5 16.5

372 16.5 16.5 16.5

373 17.1 17.2 17.2

374 17.5 17.5 17.5

375 16.9 16.4 16.4

376 16.4 16.3 16.3

377 17.0 16.9 17.0

378 17.6 17.7 17.7

379 17.3 17.5 17.4

380 17.5 17.6 17.6

381 17.2 17.3 17.3

382 16.9 17.1 17.0

383 17.1 17.0 17.0

384 17.3 17.6 17.5

385 16.6 16.5 16.6

386 17.0 16.9 16.9

387 17.0 17.0 17.0

388 17.0 17.0 17.0

389 17.1 17.1 17.1

390 16.4 16.3 16.4

391 17.6 17.7 17.7

392 16.6 16.6 16.6

393 16.7 16.7 16.7

394 17.5 17.6 17.6

395 16.0 16.1 16.1

396 17.4 17.5 17.4

N4357 15.5]]]

Square 14

397 15.4 15.6 15.5 double neb.?

398 17.2 17.2 17.2

399 16.9 16.8 16.9

400 17.4 17.1 17.2

401 17.5 17.6 17.5

402 17.1 17.0 17.0

403 17.2 17.1 17.1

404 16.9 16.9 16.9

405 17.4 17.2 17.3

406 16.7 16.7 16.7

407 17.5 17.4 17.4

408 16.4 16.2 16.3

409 17.0 16.9 16.9

410	15.5	15.5	3	434	16.5	16.4	16.4	459
411	17.2	17.1	17.2	435	16.3	16.2	16.3	460
412	17.1	16.9	17.0	436	17.4	17.2	17.3	461
413	17.5	17.6	17.5	437	17.2	17.2	17.2	462
414	17.2	17.3	17.2	438	17.2	17.0	17.1	463
415	17.2	17.2	17.2	439	17.6	17.4	17.5	464
416	17.1	17.1	17.1	440	16.8	16.7	16.8	465
417	17.0	17.0	17.0	441	17.5	17.4	17.5	466
418	16.9	17.0	16.9	442	17.0	16.7	16.8	467
419	17.4	17.5	17.4	443	16.5	16.5	16.5	468
Square 15				444	16.9	16.8	16.9	
420	16.1	16.1	16.1	445	16.2	16.2	16.2	469
421	17.7	17.8	17.7	446	17.4	17.6	17.5	470
422	16.4	16.5	16.4	447	17.0	16.8	16.9	471
423	17.4	17.4	17.4	448	17.3	17.6	17.4	472
424	16.4	16.5	16.5	449	16.9	16.8	16.9	473
425	16.7	16.6	16.6	450	17.2	17.1	17.2	474
426	16.5	16.5	16.5	451	17.5	17.4	17.5	475
427	16.4	16.4	16.4	452	17.1	16.9	17.0	476
428	17.0	16.9	16.9	453	16.4	16.3	16.4	477
429	15.7	15.9	15.8	454	17.2	17.2	17.2	478
430	16.5	16.7	16.6	FSB 455	17.4	17.4	17.4	479
431	17.1	17.1	17.1	456	17.3	17.2	17.3	480
432	16.1	16.3	16.2	457	16.9	16.7	16.8	481
433	17.5	17.5	17.5	458	16.2	16.1	16.2	482

459	16.2	16.1	16.1
460	17.3	17.1	17.2
461	17.4	17.3	17.4
462	17.6	17.7	17.7
463	17.4	17.3	17.4
464	17.3	17.2	17.3
465	16.4	16.3	16.4
466	17.2	17.1	17.1
467	17.3	17.2	17.2
468	16.8	16.7	16.7
Square 16			
469	16.7	16.6	16.6
470	17.1	17.0	17.1
471	16.7	16.8	16.8
472	17.2	17.1	17.1
473	16.7	16.8	16.8
474	17.3	17.3	17.3
475	17.2	17.4	17.3
476	16.1	16.1	16.1
477	16.2	16.0	16.1
478	17.1	17.0	17.1
479	17.6	17.7	17.6
480	17.1	16.9	17.0
481	15.5	15.5	15.5
482	17.0	17.0	17.0

483	16.9	16.9	16.9
484	17.2	17.3	17.3
485	17.6	17.6	17.6
486	17.5	17.5	17.5
487	16.6	16.6	16.6
488	16.8	16.7	16.8
Square 17			
489	17.4	17.4	17.4
490	17.0	17.0	17.0
491	16.6	16.8	16.7
492	16.2	16.2	16.2
493	16.3	16.3	16.3
494	16.4	16.2	16.3
495	16.4	16.3	16.3
496	16.8	16.5	16.6
497	17.6	17.6	17.6
498	17.5	17.6	17.5
499	17.5	17.5	17.5
500	17.1	17.2	17.2
501	17.2	17.4	17.3
502	17.3	17.3	17.3
503	16.1	16.4	16.3
504	17.0	17.0	17.0
505	16.9	16.9	16.9
506	17.2	17.3	17.2

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507	16.7	16.7	16.7	531	17.1	17.2	17.2
508	17.3	17.5	17.4	532	17.4	17.5	17.5
509	17.3	17.3	17.3	533	16.9	16.9	16.9
510	17.2	17.2	17.2	534	16.7	16.7	16.7
511	17.5	17.5	17.5	535	17.3	17.2	17.2
512	16.9	16.8	16.9	536	17.0	17.0	17.0
513	17.1	17.2	17.2	FSB 537	16.8	16.7	16.7
514	16.6	16.7	16.7	538	17.1	17.1	17.1
515	16.5	16.5	16.5	539	17.2	17.2	17.2
516	16.3	16.4	16.4	540	17.2	17.1	17.2
517	16.7	16.6	16.7	541	17.1	17.1	17.1
518	16.5	16.5	16.5	542	16.8	16.8	16.8
518a	17.1	17.0	17.1	543	16.8	16.9	16.9
519	16.2	16.1	16.2	544	17.0	17.3	17.2
520	16.8	16.8	16.8	545	16.6	16.7	16.7

Square 18

521	17.3	17.3	17.3	546	16.5	16.6	16.6
522	17.5	17.6	17.5	547	16.5	16.5	16.5
523	17.5	17.5	17.5	548	16.7	16.8	16.7
524	17.4	17.3	17.4	549	17.0	17.2	17.1
525	16.2	16.0	16.1	550	16.9	16.9	16.9
526	16.9	16.8	16.9	551	16.9	17.0	17.0
527	16.8	16.8	16.8	552	16.1	16.2	16.1
528	17.1	17.2	17.2	553	16.4	16.6	16.5
529	17.4	17.3	17.3	554	17.5	17.6	17.6
530	17.4	17.6	17.5	555	17.1	17.2	17.1

Square 19

556	17.7	17.5	17.6
557	17.1	17.2	17.2
558	17.0	17.0	17.0
559	16.9	16.9	16.9
560	17.1	17.2	17.1
561	17.3	17.3	17.3
562	17.2	17.3	17.2
563	17.1	17.2	17.1
564	16.3	16.3	16.3
565	16.8	16.8	16.8
566	17.5	17.6	17.6
567	17.4	17.7	17.5
568	17.1	17.3	17.2
569	17.2	17.2	17.2
570	17.5	17.6	17.6
571	16.5	16.5	16.5
572	16.9	17.0	16.9
573	16.9	16.9	16.9
574	17.3	17.3	17.3
575	17.1	17.2	17.2
576	17.4	17.4	17.4
577	16.7	16.7	16.7
578	17.2	17.3	17.3
579	17.1	17.2	17.2

Square 20

580	17.3	17.4	17.3
581	17.0	16.9	17.0
582	17.2	17.2	17.2
583	17.0	17.0	17.0
584	17.1	17.1	17.1
585	15.6	15.6	15.6
586	17.1	17.0	17.1
587	16.8	16.8	16.8
588	17.0	16.9	17.0
589	17.4	17.3	17.3
590	17.1	17.2	17.2
591	17.5	17.4	17.5
592	16.4	16.5	16.4
593	17.6	17.4	17.5
594	16.8	16.9	16.9
595	15.9	16.0	16.0
596	16.0	16.0	16.0
597	16.8	16.8	16.8
598	17.0	16.9	16.9
599	15.5	15.5	15.5
600	16.7	16.6	16.6
601	17.3	17.2	17.3
602	16.9	16.7	16.8
603	16.1	16.2	16.2

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604	17.3	17.1	17.2	628	16.4	16.4	16.4
605	17.2	17.1	17.2	629	16.8	16.8	16.8
606	16.4	16.2	16.3	630	17.0	17.0	17.0
607	17.1	17.1	17.1	631	16.5	16.5	16.5
608	16.6	16.7	16.7	632	16.7	16.7	16.7
609	17.3	17.1	17.2	633	17.1	17.2	17.1
610	17.4	17.2	17.3	634	16.6	16.6	16.6
611	17.7	17.7	17.7	635	17.2	17.2	17.2
612	16.3	16.2	16.2	636	16.6	16.6	16.6
613	17.0	17.0	17.0	637	17.1	17.1	17.1

Square 21

638	15.8	15.9	15.8
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N4157	15.5	1	1
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Square 22

614	16.8	16.8	16.8	639	16.0	16.0	16.0
615	16.7	16.6	16.7	640	16.9	16.8	16.9
616	17.0	16.8	16.9	641	17.0	17.0	17.0
617	16.8	16.8	16.8	642	16.0	16.1	16.0
618	16.9	16.9	16.9	643	16.9	17.1	17.0
619	17.0	17.0	17.0	644	16.8	16.7	16.7
620	16.7	16.7	16.7	645	17.2	17.1	17.2
621	17.3	17.3	17.3	646	17.2	17.2	17.2
622	17.2	17.3	17.2	647	17.5	17.4	17.5
623	16.7	16.7	16.7	648	16.7	16.9	16.8
624	17.1	17.1	17.1	649	16.3	16.4	16.4
625	16.9	16.9	16.9	650	15.8	15.9	15.9
626	17.4	17.4	17.4				
? 627	16.3:	16.3:	16.3:	FSB			

651	17.0	16.9	17.0	673	16.3	16.5	16.4
652	16.9	17.0	16.9	674	17.2	17.2	17.2
653	17.3	17.1	17.2	675	15.8	15.9	15.9
654	17.2	17.2	17.2	676	16.8	16.7	16.8
655	17.6	17.7	17.6	677	16.6	16.5	16.5
656	17.0	17.1	17.1	678	15.7	15.8	15.8
657	17.1	17.2	17.2	679	17.0	16.8	16.9
658	16.9	16.7	16.8	680	16.9	16.6	16.7
659	16.1	16.0	16.1	681	16.2	16.0	16.1
660	17.1	17.1	17.1	682	17.0	16.9	17.0
661	17.5	17.6	17.6	683	16.9	16.8	16.9
662	15.5	]	]	684	17.0	16.9	17.0
N4187	15.5	]	]	685	17.0	16.9	16.9
Holm347b	16.5	16.5	16.5	686	16.9	16.9	16.9

Square 23

663	17.3	17.2	17.3	687	17.0	16.8	16.9
664	17.2	17.1	17.2	688	16.7	16.5	16.6
665	17.1	17.0	17.1	Square 24			
666	16.8	16.8	16.8	689	17.0	16.9	17.0
667	15.9	15.8	15.8	690	17.1	17.1	17.1
668	17.5	17.5	17.5	691	16.8	16.7	16.7
669	17.0	17.0	17.0	692	16.5	16.6	16.6
670	17.6	17.6	17.6	693	16.2	16.3	16.3 attached to *
671	17.0	17.1	17.1	694	17.0	17.1	17.0
672	17.1	17.0	17.0	695	16.9	16.8	16.9
				696	16.5	16.4	16.4

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697	16.9	16.9	16.9	722	17.1	17.0	17.1
698	17.3	17.2	17.3	723	16.0	16.1	16.0
699	15.6	15.5	15.6	724	16.4	16.5	16.5
700	17.0	16.9	16.9	725	17.0	16.9	17.0
701	16.5	16.5	16.5	f5b 726	16.8	16.7	16.7
702	16.8	16.8	16.8	727	15.9	16.0	16.0
703	17.5	17.7	17.6	728	17.0	17.0	17.0
704	17.3	17.4	17.4	729	16.7	16.4	16.5
705	17.0	16.9	16.9	730	16.6	16.4	16.5
706	17.4	17.6	17.5	Square 25			
707	17.5	17.5	17.5	731	17.0	17.0	17.0
708	17.4			732	16.5	16.3	16.4
709	17.1	16.9	17.0	733	16.9	16.9	16.9
710	16.3	16.4	16.4	734	16.6	16.5	16.6
711	16.7	16.7	16.7	735	16.8	16.7	16.7
712	16.8	17.0	16.9	736	16.2	16.1	16.2
713	16.4	16.5	16.5	737	17.4	17.3	17.3
714	17.2	17.1	17.2	738	17.3	17.2	17.2
715	16.4	16.4	16.4	739	17.2	17.1	17.1
716	17.0	17.0	17.0	740	17.1	17.0	17.0
717	17.1	17.1	17.1	741	16.3	16.3	16.3
718	16.8	16.7	16.7	742	16.4	16.2	16.3
719	16.3	16.4	16.4	743	17.0	17.0	17.0
720	16.1	16.2	16.1	744	16.6	16.5	16.5
721	16.8	16.7	16.8	745	17.0	17.0	17.0

746	17.1	17.1	17.1	<u>O_F (K)</u>			
747	17.2	17.2	17.2	769	16.1	16.3	16.2
748	16.5	16.5	16.5	770	16.9	16.9	16.9
749	17.0	17.1	17.0	771	16.7	16.8	16.7
750	17.3	17.4	17.3	772	17.2	17.3	17.2
751	16.7	16.9	16.8	773	16.8	16.7	16.7
752	16.5	16.5	16.5	774	16.8	16.9	16.8
753	16.3	16.2	16.2	775	17.0	16.8	16.9 attached to *
754	16.5	16.3	16.4	776	16.8	16.9	16.9
755	16.7	16.6	16.7	777	16.2	16.3	16.2
756	17.3	17.5	17.4	778	16.7	16.7	16.7
757	16.8	16.8	16.8	779	17.0	16.8	16.9
758	17.1	16.9	17.0	780	15.8	16.0	15.9
759	17.3	17.3	17.3	781	17.3	17.2	17.2 ✓
760	17.0	17.0	17.0	N4617	[15.5]		
761	16.8	16.8	16.8	<u>O_F (W)</u>			
762	16.8	16.6	16.7	782	17.0	17.0	17.0
763	17.4	17.2	17.3	783	16.9	16.9	16.9
764	16.9	16.8	16.8	784	17.0	17.0	17.0
765	16.2	15.9	16.1 double neb.?	785	17.1	17.1	17.1
766	16.6	16.4	16.5	786	16.8	16.8	16.8
767	16.5	16.4	16.4	787	17.0	16.9	16.9
768	16.4	16.2	16.3	788	16.5	16.4	16.4
				789	16.6	16.5	16.5

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O_E (h)

790 17.3 17.4 17.4

791 16.4 16.5 16.5

792 17.2 17.2 17.2

793 17.1 16.9 17.0

794 16.6 16.4 16.5

795 16.8 16.7 16.8

796 15.7 15.8 15.7

797 17.0 17.0 17.0

798 16.9 16.9 16.9

799 16.5 16.4 16.4

800 17.4 17.5 17.5

801 17.1 17.0 17.0

802 17.4 17.4 17.4

803 16.7 16.7 16.7

804 16.7 16.5 16.6

805 16.6 16.5 16.5

806 16.5 16.4 16.4

O_E (g)

807 16.8 16.7 16.7

808 15.5 15.5 15.5

809 16.2 16.1 16.2

810 16.5 16.3 16.4

811 16.8 16.7 16.7

812 17.1 17.0 17.0

813 17.2 17.2 17.2

814 17.0 17.0 17.0

815 17.0 16.9 16.9

816 16.8 16.6 16.7

817 16.8 16.5 16.6

818 16.7 16.5 16.6

819 17.2 16.8 17.0

820 17.1 17.1 17.1

O_E (f)

821 16.5 16.2 16.3

822 16.1 16.0 16.0

823 16.8 17.0 16.9

824 17.0 17.1 17.1

O_W (u)

825 16.8 16.9 16.8

826 16.0 16.1 16.1

827 16.5 16.6 16.6

828 17.2 17.2 17.2

829 16.1 16.0 16.1

830 16.9 16.8 16.8

831 16.5 16.4 16.5

832 17.0 16.9 17.0

833 16.7 16.6 16.7

834 16.8 16.6 16.7

835 17.4 17.7 17.6

M C 28938

836	16.6	16.4	16.5		<u>Ow(c)</u>			
837	17.5	17.5	17.5		856	12.4	17.2	17.3
838	16.9	16.7	16.8		857	16.3	16.1	16.2
839	16.4	16.2	16.3		858	17.3	17.2	17.2
840	16.8	16.6	16.7		859	12.0	16.9	16.9
841	16.5	16.4	16.5		860	16.6	16.5	16.6
842	12.1	17.1	17.1		861	16.6	16.6	16.6
843	16.5	16.5	16.5		862	17.4		
N4085	]15.5	]	]		863	12.1	16.9	17.0
N4088	]15.5	]	]		864	16.8	16.7	16.7
<u>Ow(d)</u>					865	12.3	17.3	17.3
844	16.9	16.8	16.8		866	12.4	17.2	17.3
845	17.4	17.4	17.4		867	16.8	16.8	16.8
846	12.3	17.1	17.2		868	16.8	16.8	16.8
847	17.2	16.9	17.1		869	16.8	16.8	16.8
848	12.1	17.0	17.0		870	16.9	17.0	17.0
849	12.1	16.9	17.0		871	12.3	17.2	17.3
850	16.1	16.0	16.1		872	16.5	16.5	16.5
851	16.0	15.7	15.8		873	16.8	16.7	16.8
852	16.8	16.8	16.8		874	16.6	16.5	16.5
853	16.5	16.5	16.5		875	16.4	16.4	16.4
854	16.9	16.8	16.9		876	12.2	17.2	17.2
855	16.8	16.8	16.8		877	16.8	16.6	16.7
N4092					878	12.4	17.6	17.5
N4100	]15.5	]	]		879	12.3	17.3	17.3

MC 28938

880	16.8	16.7	16.8	903	17.4	17.2	17.3
881	16.6	16.5	16.5	904	16.0	16.0	16.0
882	16.4	16.3	16.4	N4096	15.5]]
883	17.0	16.9	16.9	Heid 227	16.0	16.2	16.1
884	16.4	16.3	16.4	<u>Ow (a)</u>			
885	17.2	17.2	17.2	905	16.9	16.7	16.8
N 4047	15.5	]	]	906	17.2	17.0	17.1
<u>Ow (b)</u>				907	17.2	17.2	17.2
886	17.4	17.5	17.5	908	17.0	16.8	16.9
887	16.9	16.9	16.9	909	16.7	16.5	16.6
888	16.8	16.7	16.8	910	17.2	17.3	17.3
889	17.3	17.3	17.3	911	16.6	16.6	16.6
890	17.2	17.0	17.1	912	17.4	17.2	17.3
891	16.2	16.0	16.1	<u>ON</u>			
892	17.4	17.2	17.3	913	17.1	17.0	17.0
893	17.3	17.3	17.3	914	16.5	16.4	16.5
894	17.5	17.3	17.4	915	16.3	16.1	16.2
895	17.0	16.9	16.9	916	16.6	16.6	16.6
896	17.1	17.0	17.0	917	17.1	17.0	17.0
897	16.4	16.3	16.3	918	16.3	16.1	16.2
898	17.4	17.3	17.4	919	16.8	16.8	16.8
899	17.1	17.1	17.1	920	17.3	17.1	17.2
900	16.8	17.0	16.9	921	16.9	16.9	16.9
901	17.2	17.5	17.3	922	17.2	16.9	17.1
902	16.8	16.9	16.8	923	16.7	16.6	16.6

MC 28938

924	16.4	16.4	16.4	947	16.6	16.5	16.5
925	16.3	16.2	16.3	948	17.0	16.9	17.0
926	16.4	16.3	16.4	949	16.5	16.5	16.5
927	17.1	17.0	17.1				
928	17.0	17.0	17.0				
929	16.9	16.8	16.8		15.7	IR	
930	16.0	15.8	15.9	16			
931	16.6	16.6	16.6	21			
932	16.6	16.5	16.5	N4144	12.4		
933	17.1	17.2	17.2	109			
934	16.9	16.8	16.9	N4288			
935	17.0	17.1	17.0	N4392			
936	16.7	16.6	16.7	141			
937	16.4	16.2	16.3	154			
N4542	15.6	15.4	15.5	N4217	11.9		
<u>OS</u>				N4226			
938	16.9	16.8	16.8	N4231			
939	16.8	16.7	16.7	N4232			
940	16.6	16.5	16.6	N4248			
941	17.4	17.4	17.4	N4258	10.2		
942	16.4	16.2	16.3	223			
943	16.9	16.7	16.8	N4346	12.4		
944	16.4	16.1	16.3	240			
945	16.0	15.6	1	N4218			
946	17.2	17.3	17.2	N4220	12.4		

} double

115.7

N 4357

397

410

481

511

585

599

N 4157 12.0

662

N 4187

699

N 4617

808

N 4085 12.8

N 4088 11.2

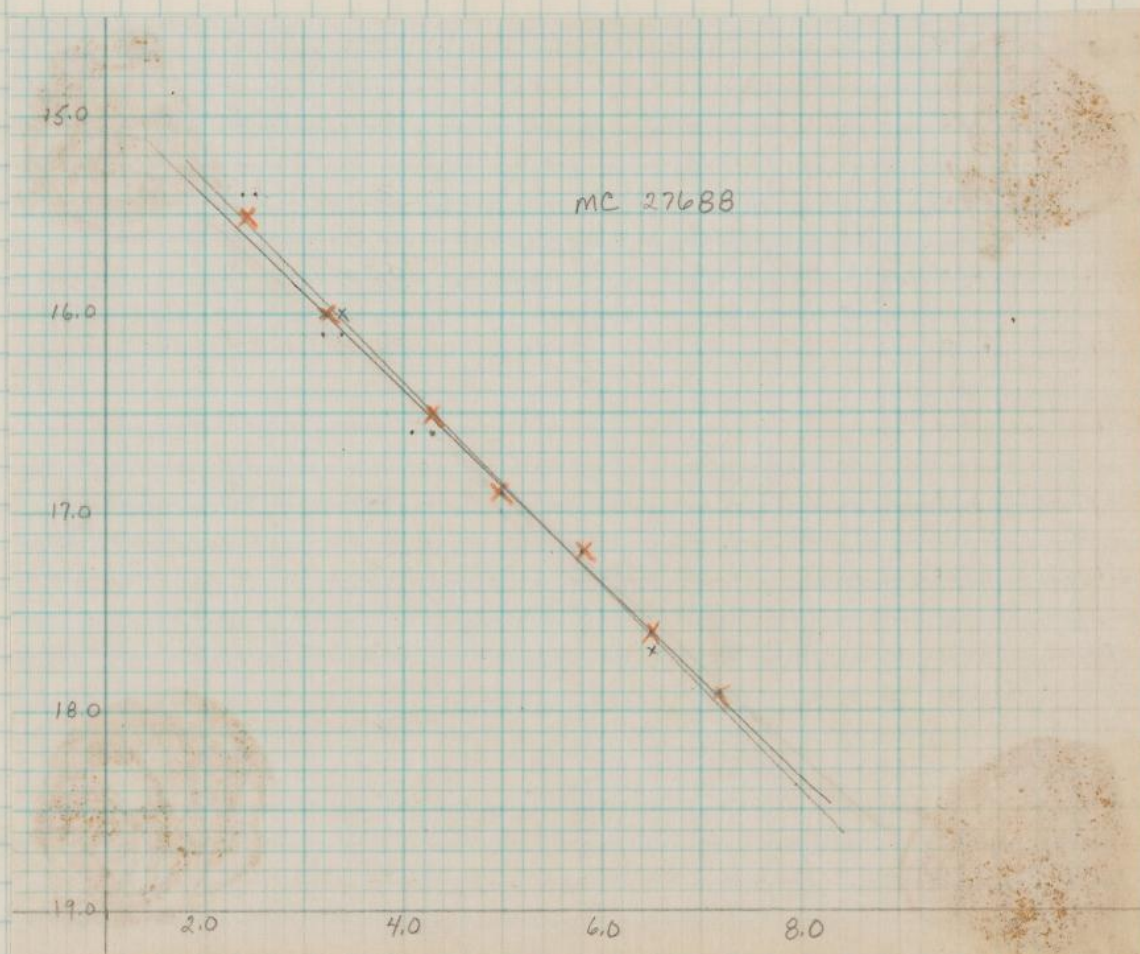
N 4100 11.9

N 4047 12.8

N 4096 12.2

N 4542

945



12 19.5 +58 19

MC 27688

 $\lambda = 95.3$ $\beta = +59.5$

73

Square 1

1	16.8	16.9	16.9
2	17.0	17.2	17.1
3	16.4	16.4	16.4
4	16.7	16.6	16.6
5	16.1	16.0	16.1
6	16.3	16.4	16.4
7	17.1	17.2	17.1
8	17.1	17.1	17.1
9	16.9	16.9	16.9
10	17.1	17.0	17.0

K4172 15.5 17.1 ✓

Square 2

11	17.0	17.0	17.0
12	17.2	17.1	17.1
13	16.4	16.4	16.4
14	17.1	17.0	17.0
15	17.3	17.1	17.2
16	16.7	16.8	16.7
17	16.1	16.2	16.2
18	17.0	17.1	17.1
19	17.3	17.2	17.2
20	16.0	16.1	16.1
21	16.1	16.0	16.0
22	17.5	17.3	17.4

23	16.6	16.6	16.6
24	16.4	16.3	16.3
25	16.3	16.2	16.2
26	16.4	16.3	16.3
27	17.2	17.0	17.1
28	16.4	16.3	16.4
29	17.0	17.0	17.0
30	17.1	17.1	17.1
31	17.1	17.2	17.1
32	17.0	17.0	17.0
33	17.4	17.3	17.4
34	17.2	17.2	17.2
35	16.6	16.5	16.5
36	17.1	16.9	17.0
37	17.2	17.1	17.2
38	17.3	17.5	17.4
39	16.5	16.6	16.5
40	16.8	16.8	16.8
41	16.5	16.5	16.5
42	17.1	17.1	17.1
43	16.2	16.4	16.3
44	16.3	16.3	16.3
45	16.8	16.7	16.8
46	16.9	16.7	16.8
47	16.8	16.6	16.7

} double

} double

215.5

MC 27688

Image Scratched

1953b: area: p1

14198	15.6	15.7	15.2	Image Scratched	71	16.5	16.4	16.4
Square 3					72	17.0	16.9	16.9
48	16.3	16.5	16.4		73	16.4	16.3	16.4
49	16.9	17.0	17.0		74	17.0	17.0	17.0
50	17.2	17.1	17.1		75	16.8	16.7	16.7
51	17.1	16.9	17.0		76	17.6	17.4	17.5
52	16.6	16.6	16.6		77	17.4	17.1	17.2
53	17.0	16.9	17.0		78	16.2	16.3	16.3
54	17.1	16.9	17.0		79	16.6	16.7	16.6
55	17.0	16.9	16.9		80			
56	16.8	16.7	16.8		81	16.2	16.2	16.2
57	17.1	17.2	17.1		82	17.3	17.2	17.3
58	17.2	17.1	17.2		83	17.0	17.0	17.0
59	17.0	17.0	17.0	*attached?	84	16.7	16.6	16.6
60	16.9	16.7	16.8		85	16.8	16.8	16.8
61	16.0	16.0	16.0		86	16.4	16.5	16.5
62	17.1	17.0	17.1		87	17.2	17.4	17.3
63	17.1	16.8	17.0		88	16.4	16.4	16.4
64	17.3	17.2	17.3		89	17.1	17.1	17.1
65	17.0	16.9	17.0		90	17.4	17.4	17.4
66	17.0	17.0	17.0		91	17.3	17.2	17.2
67	17.5	17.5	17.5		92	17.1	17.0	17.1
68	17.2	17.1	17.1		93	17.3	17.1	17.2
69	16.2	16.0	16.1		94	17.1	17.1	17.1
70	15.9	15.9	15.9		95	16.8	16.8	16.8

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96	15.8	15.8	15.8	120	16.7	16.8	16.8
97	17.1	17.2	17.2	121	16.9	16.9	16.9
98	17.1	17.1	17.1	122	16.8	16.7	16.7
<u>Square 4</u>				123	17.0	17.1	17.0
99	17.3	17.3	17.3	124	17.2	17.1	17.1
100	16.9	17.0	16.9	125	16.8	16.6	16.7
101	17.1	17.1	17.1	126	16.6	16.4	16.5
102	16.8	16.8	16.8	127	17.3	17.2	17.2
103	16.8	16.9	16.8	128	16.3	16.1	16.2
104	16.9	16.9	16.9	<u>Square 5</u>			
105	16.4	16.5	16.5	129	17.0	16.9	16.9
106	16.8	16.8	16.8	130	16.5	16.4	16.4
107	17.1	17.4	17.2	131	16.8	16.7	16.7
108	17.2	17.3	17.3	132	16.8	16.8	16.8
109	16.5	16.5	16.5	133	16.4	16.4	16.4
110	17.1	17.1	17.1	134	16.2	16.0	16.1
111	17.1	17.1	17.1	135	17.2	17.1	17.2
112	17.2	17.2	17.2	136	16.9	16.7	16.8
113	16.5	16.5	16.5	137	17.3	17.3	17.3
114	16.9	17.0	17.0	138	16.9	16.8	16.9
115	17.1	17.4	17.3	139	16.8	16.7	16.8
116	17.1	17.1	17.1	140	17.3	17.3	17.3
117	17.0	17.3	17.2	141	16.9	16.9	16.9
118	17.3	17.4	17.3	142	16.5	16.4	16.5
119	16.9	16.9	16.9	143	15.9	15.9	15.9

nelt ?

nelt ?

MC 22688

144	16.8	16.9	16.8	168	17.2	17.1	17.2
145	16.4	16.5	16.5	169	15.8	15.6	16.5 15.2
146	17.3	17.3	17.3	170	16.9	16.9	16.9
147	17.2	17.0	17.1	171	16.8	16.7	16.7
148	17.0	16.9	17.0	172	16.9	16.8	16.8
149	16.7	16.6	16.7	173	17.4	17.4	17.4
150	16.8	16.7	16.8	174	17.2	17.2	17.2
151	16.7	16.6	16.7	175	16.5	16.4	16.5
152	16.6	16.6	16.6	176	16.7	16.6	16.6
153	16.1	16.0	16.0	177	17.1	17.0	17.1

Square 6

154	17.1	17.2	17.1	178	17.3	17.1	17.2
155	16.8	16.9	16.8	179	17.2	17.0	17.1
156	17.0	17.0	17.0 very close to *	180	17.0	16.8	16.9
157	16.9	16.9	16.9	181	17.2	16.9	17.0
158	16.7	16.7	16.7	182	16.6	16.4	16.5
159	16.7	16.8	16.7	183	17.1	17.0	17.1
160	17.1	17.1	17.1	184	17.4	17.2	17.3
161	15.9	15.9	15.9	185	17.0	16.8	16.9
162	16.8	16.8	16.8	186	16.8	16.8	16.8
163	16.7	16.6	16.6	187	17.1	17.1	17.1
164	17.3	17.1	17.2	188	17.3	17.2	17.2
165	16.8	16.8	16.8 film scratched	189	17.1	17.1	17.1
166	16.7	16.8	16.7	190	16.5	16.5	16.5
167	17.4	17.2	17.3	191	16.5	16.4	16.5
				192	17.3	17.1	17.2

} double

} double

MC 276 88

193	16.8	16.8	16.8	217	16.8	16.8	16.8
194	16.9	16.8	16.8	218	17.2	17.0	17.1
195	17.0	16.8	16.9	219	17.3	17.2	17.2
196	16.9	16.9	16.9	220	17.4	17.3	17.3
197	16.8	16.7	16.7	221	17.1	17.1	17.1 film scratched
198	17.0	17.0	17.0	222	16.7	16.8	16.8

Square 2

199	17.1	17.2	17.2	224	16.9	16.6	16.8; in hole of bright *
200	17.4	17.3	17.3	225	17.0	16.9	16.9
201	17.3	17.1	17.2	226	16.9	17.1	17.0
202	16.8	16.6	16.7	227	16.9	16.8	16.8
203	17.0	17.0	17.0	228	16.6	16.5	16.5
204	17.2	17.2	17.2	229	16.7	16.6	16.6
205	16.8	16.9	16.8	N4271	15.5]]

Square 8

206	17.1	17.0	17.1	230	16.7	16.5	16.6
207	16.8	16.8	16.8	231	16.9	16.5	16.6
208	17.4	17.3	17.4	232	16.8	16.5	16.7
209	17.1	16.8	16.9	233	17.3	17.2	17.2
210	16.4	16.3	16.4	234	17.4	17.2	17.3
211	17.3	17.1	17.2	235	17.2	17.0	17.1
212	16.7	16.5	16.6	236	17.2	17.2	17.2
213	17.1	17.0	17.1	237	17.1	16.9	17.0
214	16.5	16.6	16.6	238	17.2	17.1	17.1
215	17.1	17.0	17.1	239	17.3	17.3	17.3
216	17.0	17.0	17.0				

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240	17.0	16.9	17.0	265	16.5	16.5	16.5
241	17.6	17.5	17.5	266	15.7	15.8	15.8 very close to brighter *
242	17.1	17.0	17.0	267	17.3	17.4	17.3
243	16.9	16.9	16.9	268	17.3	17.3	17.3
244	17.3	17.2	17.3	<u>Square 9</u>			
245	16.5	16.6	16.6	269	17.3	17.3	17.3
246	17.5	17.3	17.4	270	17.4	17.5	17.4
247	16.3	16.3	16.3	271	17.0	17.1	17.1
248	17.3	17.2	17.3 very close to *	271 a	15.6	15.7	15.7 fslr
249	17.0	16.9	17.0	272	17.1	17.1	17.1
250	17.2	17.0	17.1	273	16.5	16.5	16.5
251	17.3	17.3	17.3	274	17.2	17.4	17.3
252	16.9	16.9	16.9	275	15.7	15.6	15.6 15.6
253	17.2	17.1	17.1	276	17.1	17.1	17.1
254	17.4	17.2	17.3	277	17.2	17.2	17.2
255	17.0	16.8	16.9	278	17.1	17.0	17.1
256	16.8	16.7	16.8	279	17.1	17.0	17.0
257	17.1	17.0	17.1	280	16.2	16.0	16.1
258	17.3	17.3	17.3	281	17.2	16.9	17.1
259	17.2	17.0	17.1	282	16.1	16.0	16.0
260	17.2	17.2	17.2	283	15.4]]
261				284	16.5	16.4	16.5
262	16.9	16.8	16.8	285	17.5	17.6	17.6
263	16.8	16.7	16.7	286	17.0	16.8	16.9
264	16.6	16.6	16.6	287	17.1	16.9	17.0
				288	17.3	17.1	17.2

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289	17.3	17.3	17.3	312	17.2	17.0	17.1
290	17.4	17.5	17.5	313	17.3	17.4	17.3
291	16.6	16.6	16.6	314	17.3	17.3	17.3
292	17.0	16.8	16.9 attached to *	315	17.4	17.2	17.3
293	17.5	17.4	17.5 attached to *	316	17.2	17.1	17.2
N 4511	15.8	15.7	15.8	317	16.4	16.3	16.3

Square 10

294	17.0	17.0	17.0
295	16.8	16.8	16.8
296	17.2	17.2	17.2
297	17.4	17.3	17.3
298	17.1	16.9	17.0
299	17.2	17.3	17.2
300	17.1	17.1	17.1
301	16.8	16.6	16.7
302	17.3	17.2	17.3
303	17.5	17.4	17.4
304	16.9	16.9	16.9
305	17.2	17.5	17.3 f. s. b. ?
306	16.8	16.8	16.8
307	17.3	17.3	17.3
308	17.2	17.2	17.2
309	17.3	17.4	17.4
310	17.4	17.3	17.3
311	16.6	16.5	16.6

318 17.2 17.2 17.2

319 17.2 17.1 17.2

Square 11

320	16.7	16.8	16.7
321	17.1	17.2	17.2
322	16.9	17.1	17.0
323	17.0	17.1	17.1
324	16.3	16.3	16.3
325	17.0	17.1	17.0
326	16.8	16.7	16.7
327	16.9	16.9	16.9 f. s. b.
328	16.8	16.7	16.8
329	17.3	17.1	17.2
330	16.9	16.8	16.9
331	17.3	17.3	17.3
332	16.8	16.6	16.7
333	16.9	17.0	17.0
334	16.0	16.0	16.0
335	16.9	16.9	16.9

} double

MC 226.88

336	16.6	16.8	16.5	361	16.5	16.2	16.3
337	17.0	16.9	17.0	362	17.2	17.1	17.2
338	17.3	17.1	17.2	363	17.4	17.5	17.5
339	17.2	17.1	17.1	364	16.6	16.7	16.6
340	16.7	16.4	16.6	365	16.7	16.7	16.7
341	17.0	16.8	16.9	N4161	15.5]]
342	17.3	17.3	17.3	<u>Square 12</u>			
343	16.8	16.5	16.7	366	17.2	17.1	17.1
344	16.9	16.7	16.8	367	16.9	16.9	16.9
345	17.3	17.1	17.2	368	17.4	17.3	17.4
346	16.9	16.8	16.8	369	17.0	17.0	17.0
347	17.0	17.0	17.0	370	16.9	17.0	16.9
348	17.1	17.0	17.1	371	17.2	17.1	17.2
349	17.1	17.1	17.1	372	16.5	16.6	16.5
350	17.1	17.2	17.2	373	16.8	16.8	16.8
351	17.0	17.1	17.1	374	16.9	16.8	16.8
352	16.9	16.8	16.8	375	17.4	17.3	17.3
353	16.5	16.3	16.4	376	16.2	16.2	16.2
354	17.1	16.9	17.0	377	16.9	16.8	16.8
355	17.2	17.4	17.3	378	17.2	17.2	17.2
356	16.2	16.1	16.1	379	17.1	16.9	17.0
357	16.6	16.5	16.6	380	17.3	17.1	17.2
358	16.8	16.7	16.7	381	17.2	17.0	17.1
359	17.1	16.9	17.0	382	17.2	17.1	17.1
360	17.0	16.9	17.0 close to faint *	383	17.3	17.3	17.3

MC 22688

384	17.2	17.4	17.3		407	16.8	16.8	16.8
385	17.1	17.2	17.2	* attached	408	16.9	16.9	16.9
386	17.0	16.9	16.9		409	16.2	16.3	16.2
387	17.3	17.4	17.4		410	16.3	16.4	16.3
388	17.2	17.1	17.1		411	17.5	17.5	17.5
389	16.3	16.3	16.3		412	17.4	17.2	17.3
390	17.1	17.1	17.1	f.s.b.	413	17.3	17.2	17.2
391	16.9	16.7	16.8	f.s.b.	414	17.1	17.1	17.1
392	17.3	17.2	17.2		? 415	17.2	17.2	17.2
393	17.2	17.0	17.1		416	17.0	17.0	17.0
N4284	]15.5	15.6	] ✓		417	16.6	16.6	16.6

Square 13

394	17.5	17.5	17.5		418	17.1	17.1	17.1
395	17.3	17.4	17.3		419	17.2	17.2	17.2
396	16.6	16.6	16.6		420	17.1	16.9	17.0
397	16.3	16.1	16.2		421	17.2	17.3	17.3
398	17.1	17.2	17.2		422	16.4	16.5	16.4
399	16.7	16.7	16.7		423	16.4	16.5	16.5
400	17.2	17.2	17.2		424	17.2	17.2	17.2
401	16.3	16.4	16.3		425	17.1	17.0	17.0
402	17.4	17.5	17.4		N4290	]15.5	] ✓	12.7

Square 14

403	17.1	17.1	17.1		426	17.2	17.1	17.1
404	17.6	17.6	17.6		427	17.0	16.9	17.0
405	16.9	16.7	16.8		428	17.2	17.0	17.1
406	17.2	17.1	17.1		429	17.4	17.6	17.5

MC 226 88

430	17.2	17.1	17.1	454	17.4	17.5	17.4
431	16.4	16.3	16.4	455	17.4	17.6	17.5
432	17.4	17.4	17.4	N4500	15.5	1	1 ✓
433	16.1	15.9	16.0: spiral on edge	<u>Square 15</u>			
434	16.4	16.3	16.3	456	17.1	17.1	17.1
435	17.5	17.4	17.4	457	16.4	16.5	16.5
436	16.4	16.4	16.4	458	17.0	17.0	17.0
437	17.4	17.3	17.3	459	17.5	17.6	17.6
438	17.2	17.3	17.2	460	17.2	17.1	17.1
439	17.3	17.2	17.3	461	17.3	17.2	17.2
440	17.0	17.0	17.0	462	17.5	17.4	17.5
441	16.5	16.3	16.4	463	17.2	17.1	17.2
442	15.9	15.6	15.8 ⁵ very close to bright *	464	17.1	17.0	17.1
443	15.9	15.8	15.9	465	17.2	17.0	17.1
444	16.9	16.8	16.8	466	16.4	16.2	16.3
445	16.5	16.5	16.5	467	17.1	16.9	17.0
446	17.1	17.0	17.1	468	16.1	16.1	16.1
447	17.1	17.1	17.1	469	17.3	17.2	17.2
448	16.9	16.9	16.9	470	17.2	17.3	17.3
449	17.0	17.0	17.1	471	16.9	16.9	16.9
450	17.1	17.1	17.1	472	16.8	16.8	16.8
450a	17.3	17.4	17.4	473	17.2	17.2	17.2
451	16.5	16.5	16.5	474	17.3	17.3	17.3
452	15.9	16.0	15.9	<u>Square 16</u>			
453	16.7	16.7	16.7	475	17.0	17.1	17.0

} double

} double

MC 22688

476	17.0	17.0	17.0	561	16.7	16.9	16.8
477	16.0	16.2	16.1	562	16.9	16.8	16.9
478	16.9	16.9	16.9	563	17.1	17.0	17.0
479	16.5	16.7	16.6	564	16.4	16.4	16.4
480	17.1	17.0	17.1	565	16.3	16.2	16.3
481	16.4	16.4	16.4	566	16.7	16.7	16.7
482	16.7	16.8	16.8	567	16.0	16.0	16.0
483	17.0	17.1	17.1	568	17.1	17.1	17.1
484	16.6	16.6	16.6	569	17.3	16.9	17.1
485	17.2	17.2	17.2	570	17.0	16.9	17.0
486	16.6	16.7	16.6	571	17.2	17.2	17.2
487	17.1	17.1	17.1	572	17.3	17.3	17.3
488	16.9	16.9	16.9	573	17.1	17.0	17.1
489	16.5	16.5	16.5	574	17.0	16.8	16.9
490	16.8	16.7	16.7	575	16.0	15.8	15.9
491	15.7	15.9	15.8 my draw to *	576	17.1	16.8	17.0
492	16.3	16.3	16.3	577	16.8	16.6	16.7
493	16.9	16.9	16.9	N4141]]]
494	17.2	17.1	17.2	N4149]]]
495	16.7	16.5	16.6	<u>Square 17</u>			
496	15.6	15.7	15.7 ✓	518	16.9	16.8	16.9
497	17.4	17.4	17.4	519	17.3	17.2	17.2
498	16.8	16.8	16.8	520	17.2	17.1	17.1
499	17.5	17.2	17.4	521	17.0	16.8	16.9
500	16.7	16.7	16.7	522	17.1	16.9	17.0

} double

S. S. b.

✓

✓

MC 27688

1933phae.proj

523	16.9	16.8	16.8	547	15.9	15.9	15.9	
524	12.3	12.3	12.3	548	12.0	16.9	12.0	
525	16.9	16.8	16.9	549	16.4	16.3	16.3	
526	12.0	12.0	12.0	550	16.8:	12.1	12.0: f.s b nr?	
527	12.2	12.1	12.2	551				
528	12.3	12.2	12.3	552	15.8:	15.9:	15.9: f.s.b very close to *	
529	12.3	12.3	12.3	553				
530	16.0	16.0	16.0	554	12.1	12.1	12.1	
531	12.1	12.1	12.1	555	12.2	12.3	12.2	
532	12.1	12.1	12.1	556	12.1	12.2	12.1	
? 533	12.2	12.2	12.2	N4385]]]	
534	16.9	12.0	12.0	N4358]]]	
? 535	12.0	12.1	12.1	N4362	15.7	15.6	15.6	
536	16.6	16.6	16.6	<u>Square 19</u>				
537	12.0	12.0	12.0	557	16.9	16.8	16.9	
538	12.3	12.2	12.2	558	16.9	16.8	16.8	
539	12.3	12.1	12.2	559	16.2	16.2	16.2	
540	16.5	16.4	16.5	560	12.1	16.9	12.0	
<u>Square 18</u>				561	12.0	16.9	16.9	
? 541	16.9:	12.0:	12.0:	f.s.b	562	12.2	12.3	12.2
542	12.0	12.1	12.1	563	12.4	12.5	12.5	
543	12.3	12.3	12.3	564	12.5	12.5	12.5	
544	12.0	12.0	12.0	565	12.3	12.4	12.4	
545	16.1	16.0	16.0	566	12.3	12.3	12.3	
546	16.9	16.8	16.9	567	16.7	16.7	16.7	

MC 22688

568	16.8	16.9	16.9	591	17.1	17.3	17.2
569	17.4	17.4	17.4	592	17.2	17.3	17.2
570	16.9	17.0	17.0	593	16.6	16.8	16.7
571	16.7	16.7	16.7	594	17.1	17.1	17.1
572	16.9	17.0	16.9	N 4652	16.1	16.2	16.1
573	16.2	16.3	16.2	<u>Square 21</u>			
574	17.3	17.2	17.3	595	17.1	17.2	17.2
575	16.8	16.9	16.8	596	17.0	17.1	17.1
576	16.1	16.2	16.1	597	16.8	17.0	16.9 * attached
577	16.0	16.0	16.0	598	15.9	15.9	15.9
578	17.2	17.0	17.1	599	17.1	17.1	17.1
579	17.3	17.3	17.3	600	16.8	16.9	16.8
580	16.2	16.2	16.2	601	17.1	17.1	17.1
581	17.3	17.4	17.4	602	16.9	16.8	16.9
582	16.7	16.8	16.7	603	17.0	16.9	17.0
583	17.3	17.3	17.3	604	17.0	17.0	17.0
584	16.5	16.6	16.6	605	16.5	16.6	16.5
585	16.7	16.9	16.8	606	16.7	16.6	16.6
586	16.8	16.9	16.9	607	17.1	17.2	17.1
N 4547	15.9	16.0	16.0	608	16.7	16.8	16.8
<u>Square 20</u>				609	16.6	16.8	16.7
587	17.0	17.0	17.0	610	17.2	17.2	17.2
588	16.9	16.9	16.9	611	16.5	16.6	16.5
589	16.9	17.1	17.0	612	17.2	17.0	17.1
590	17.3	17.4	17.3	613	17.1	17.2	17.2

MC 22688

614	16.4	16.5	16.5	638	16.5	16.5	16.5	very close to bright *
615	16.8	16.9	16.8	639	16.8	16.9	16.9	
616	17.1	17.0	17.1	640	17.3	17.2	17.2	
617	17.4	17.3	17.4	641	17.3	17.3	17.3	
618	16.9	17.0	16.9	642	17.0	16.9	16.9	
619	16.9	17.0	17.0	643	17.1	17.2	17.2	
620	17.3	17.3	17.3	644	17.2	17.3	17.3	
621	16.7	16.8	16.7	645	16.6	16.6	16.6	
622	16.0	16.1	16.0	646	17.0	17.1	17.0	
623	16.8	16.8	16.8	647	16.6	16.5	16.5	
624	16.6	16.7	16.7	648	16.5	16.6	16.6	
625	17.4	17.4	17.4	649	16.3	16.5	16.4	
626	16.8	16.8	16.8	650	16.0	16.1	16.1	
627	17.3	17.1	17.2	651	16.9	16.8	16.8	
628	17.1	17.2	17.2	652	17.1	17.2	17.1	
629	16.9	16.9	16.9	653	16.9	17.0	17.0	
630	16.3	16.1	16.2	654	17.0	17.0	17.0	

Square 22

631	16.7	16.6	16.7	655	15.8	15.8	15.8	
632	16.9	16.9	16.9	656	17.3	17.3	17.3	
633	17.1	17.1	17.1	657	16.9	16.9	16.9	
634	16.7	16.6	16.6	658	16.3	16.2	16.3	
635	16.8	16.8	16.8	659	16.6	16.7	16.6	double neb?
636	17.0	17.0	17.0	660	17.4	17.5	17.5	
637	17.1	17.1	17.1	661	17.3	17.3	17.3	
				662	16.5	16.5	16.5	

MC 226 88

663	16.4	16.4	16.4	688	17.1	17.2	17.1
664	17.1	17.5	17.3	689	16.8	16.6	16.7
665	17.1	17.1	17.1	N4195	15.6:	15.5:	15.8 ⁵
666	16.7	16.7	16.7	N4199?	16.6:	16.8	16.7: nvl+2*?
667	17.3	17.3	17.3	<u>Square 23</u>			
668	17.2	17.2	17.2	690	17.1	17.2	17.1
669	17.2	17.2	17.2	691	17.3	17.5	17.4
670	16.7	16.5	16.6	692	16.0	16.0	16.0
671	17.1	17.3	17.2	693	16.7	16.7	16.7
672	16.1	16.3	16.2	694	16.5	16.5	16.5
673	16.7	16.8	16.8	695	17.1	17.1	17.1
674	17.2	17.3	17.3	? 696	16.3:	16.6:	16.4: f. s. b.
675	16.5	16.5	16.5	697	17.1	17.1	17.1
676	17.1	17.2	17.2	698	17.3	17.4	17.3
677	17.0	17.1	17.1	699	17.2	17.2	17.2
678	16.6	16.5	16.6	700	16.7	16.8	16.8
679	16.2	16.2	16.2	701	17.0	17.0	17.0
680	16.3	16.3	16.3	702	17.2	17.2	17.2
681	16.9	17.0	16.9	703	17.3	17.3	17.3
682	17.3	17.2	17.2	704	17.4	17.5	17.5
683	16.9	16.9	16.9	705	16.3	16.3	16.3
684	16.9	17.1	17.0	706	16.2	16.1	16.2
685	16.6:	16.8:	16.7: image scratched	707	17.4	17.4	17.4
686	16.9	16.9	16.9	708	16.9	17.0	16.9
687	16.1	16.3	16.2	709	17.1	17.1	17.1

MC 27688

710	17.0	16.9	17.0	733	17.3	17.3	17.3
<u>Square 24</u>				734	16.3	16.0	16.2
711	16.5	16.5	16.5	735	16.6	16.6	16.6
712	16.9	16.9	16.9	736	16.3	16.2	16.3
713	17.1	17.3	17.2	737	17.1	16.9	17.0
714	16.4	16.2	16.3	738	17.0	16.9	17.0
715	17.2	17.2	17.2	739	16.9	16.7	16.8
716	17.0	16.9	16.9	740	16.9	16.7	16.8
717	17.2	17.2	17.2	741	15.9	15.9	15.9
718	17.2	17.3	17.2	742	16.0	16.0	16.0
719	17.3	17.4	17.3	<u>OE (K)</u>			
720	16.5	16.4	16.4	743	16.5	16.5	16.5
721	17.4	17.5	17.5	744	16.7	16.7	16.7
722	16.9	16.8	16.8	745	16.8	16.8	16.8
723	16.8	16.7	16.7	746	17.2	17.1	17.1
<u>Square 25</u>				747	16.3	16.3	16.3
724	17.1	17.0	17.0	748	17.1	17.0	17.0
725	17.0	16.9	16.9	749	17.0	16.9	16.9
726	17.3	17.1	17.2	750	16.9	16.8	16.8
? 727	17.2	17.2	17.2	<u>OE (K)</u>			
728	17.1	17.2	17.2	751	16.7	16.7	16.7
729	16.3	16.2	16.3	752	16.9	16.8	16.9
730	17.1	16.9	17.0	753	16.6	16.7	16.6
731	17.0	16.8	16.9	753a	16.4	16.5	16.5
732	16.9	16.9	16.9	754	17.1	17.1	17.1
				755	16.9	17.0	17.0

f.s.b.

MC 27688

756	16.4	16.4	16.4	779	17.0	17.0	17.0
757	16.8	16.5	16.7	780	16.8	16.8	16.8
758	16.9	16.7	16.8	<u>OE (5)</u>			
<u>OE (h)</u>				781	16.3	16.3	16.3
759	16.7	16.6	16.6	? 782	16.7	16.7	16.7
760	16.9	17.0	16.9	783	17.0	17.0	17.0
761	16.9	16.8	16.8	? 784	16.9	16.9	16.9
762	17.0	17.0	17.0	785	16.8	16.8	16.8
763	16.8	16.9	16.9	Holm 454a	15.7	15.7	15.7
764	16.9	16.9	16.9	<u>OW (e)</u>			
765	16.0:	15.9:	16.0:	786	16.2	16.2	16.2
766	16.7	16.7	16.7	787	17.0	16.8	16.9
767	16.9	16.9	16.9	788	16.9	16.8	16.8
768	17.3	17.3	17.3	789	17.1	17.1	17.1
769	17.0	17.1	17.1	790	16.3	16.6	16.5
770	16.9	17.0	17.0	791	16.7	16.9	16.8
771	17.0	16.9	16.9	792	16.9	17.0	17.0
<u>OE (g)</u>				793	16.8	16.9	16.9
772	17.2	17.1	17.2	794	17.0	17.1	17.0
773	17.1	17.1	17.1	795	16.4	16.3	16.3
774	17.0	17.0	17.0	796	17.0	17.2	17.1
775	16.9	16.9	16.9	797	17.3	17.4	17.4
776	16.5	16.6	16.5	798	16.5	16.4	16.5
777	16.7	16.8	16.8	799	17.2	17.1	17.2
778	16.3	16.4	16.3	800	16.4	16.3	16.3

MC 27688

801	12.0	16.8	16.9	824	12.2	17.3	17.2
802	16.9	16.9	16.9	825	12.3	12.1	17.2
803	16.8	16.7	16.8	826	12.0	12.0	17.0 * very near
<u>Ow (d)</u>				N4054	16.2	16.0	16.1 double neb
804	16.3	16.2	16.3		16.3	16.3	16.3
805	16.8	16.8	16.8	<u>Ow (b)</u>			
806	12.1	12.1	12.1	827	12.2	12.1	12.1
807	16.4	16.5	16.4	828	16.8	16.5	16.6
808	16.6	16.6	16.6	829	12.0	16.7	16.9
809	12.2	12.2	12.2	830	16.9	16.7	16.8
810	16.5	16.4	16.5	831	12.2	12.3	12.2
811	16.3	16.2	16.2	832	16.8	16.8	16.8
812	16.6	16.6	16.6	833	15.9	16.0	15.9
813	16.3	16.1	16.2	834	16.9	16.9	16.9
814	12.0	12.0	12.0	835	16.7	16.6	16.6
815	12.0	16.9	16.9	836	16.9	16.8	16.9
816	16.5	16.6	16.6	837	16.6	16.6	16.6
<u>Ow (c)</u>				838	12.0	12.0	12.0
817	15.9	16.0	15.9	839	16.6	16.6	16.6
818	12.1	16.9	12.0	840	15.8	15.8	15.8
819	16.7	16.7	16.7	841	16.9	16.9	16.9
820	12.1	12.0	12.0	842	16.5	16.4	16.4
821	16.8	16.7	16.7	843	12.1	12.1	12.1
822	16.7	16.6	16.6	844	12.0	16.8	16.9
823	12.1	12.0	12.1	845	12.1	12.0	12.1
				846	16.4	16.4	16.4

MC 27688

847 17.2 17.3 17.2

869 17.1 16.9 17.0

ON(O)

870 16.4 16.4 16.4

848 17.0 17.0 17.0

871 16.7 16.7 16.7 S.S.B.

849 16.9 16.9 16.9

872 15.9 16.1 16.0

850 17.2 17.2 17.2

N 4644 J 15.5 X^{15.5}

851 17.0 16.7 16.9

Holm 4476 16.0 16.1 16.0

852 16.8 16.8 16.8

853 16.9 16.7 16.8

J 15.7 IR 4561

854 17.1 17.1 17.1

N 4172 J 15.5

855 16.6 16.4 16.5

N 4198 J 15.5

856 16.4 16.6 16.5

16.9 J 15.5

ON

N 4271 J 15.5

857 17.0 17.0 17.0

275 J 15.5

858 17.2 17.0 17.1

283 15.4

859 16.9 16.8 16.8

N 4161 J 15.5

860 17.2 17.3 17.3

N 4284 J 15.5

861 17.1 17.0 17.0

N 4290 12.7

862 16.8 16.7 16.7

442 15.5

863 17.0 16.9 17.0

N 4500 J 15.5

? 864 16.9 16.9 16.9

496 15.7

865 16.3 16.2 16.3

N 4141 J 15.5

O₂

N 4149 J 15.5

866 16.9 16.9 16.9

N 4335 J 15.5

867 16.4 16.5 16.4

N 4358 15.4

868 16.9 16.8 16.9

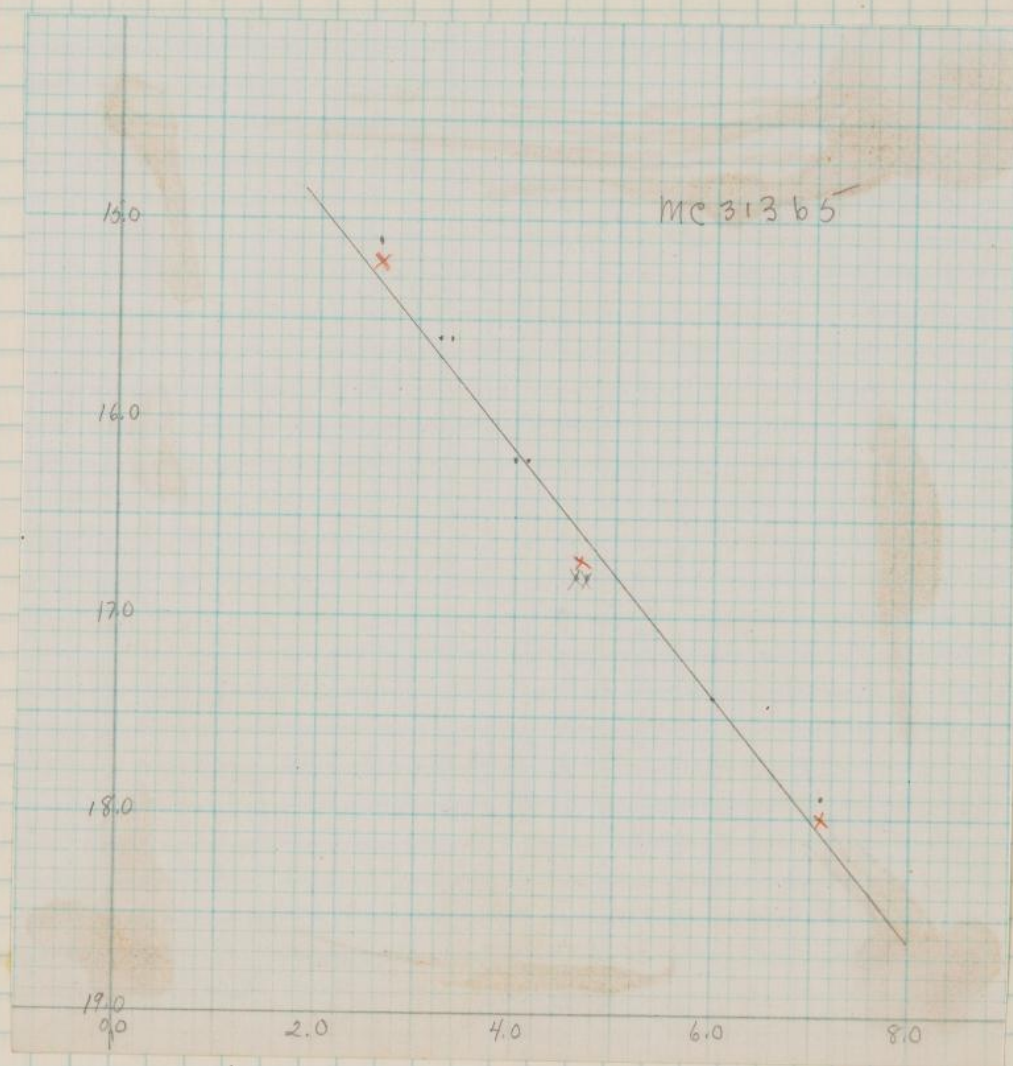
MC 27688

J15.7

N4362 15.6

N4195 15.5

N4644 15.5



12 24.2 +29 21

MC 31365

 $\lambda = 158.0$ $\beta = +86.3$

95

Square 1

					25	17.0	17.3	17.2
1	16.6	16.6	16.6		26	16.4	16.6	16.5
2	16.9	17.1	17.0		27	16.8	17.0	16.9
3	17.1	17.2	17.2		28	16.9	17.2	17.1
4	16.8	16.7	16.7		29	16.7	16.7	16.7
5	16.6	16.5	16.6		30	16.8	17.0	16.9
6	16.9	16.9	16.9		31	17.2	17.4	17.3
7	17.3	17.5	17.4		32	16.8	16.9	16.8
8	17.0	17.0	17.0		33	17.0	17.2	17.1
9	17.2	17.3	17.3		34	17.6	17.7	17.7
10	17.4	17.4	17.4		35	16.7	16.8	16.8
11	17.1	17.1	17.1		36	17.2	17.2	17.2
12	17.2	17.5	17.4		37	17.0	17.2	17.1
13	17.1	17.2	17.1		38	17.4	17.5	17.5
14	17.1	17.4	17.2		39	17.0	17.1	17.0
15	16.8	16.8	16.8		40	17.3	17.4	17.3
16	17.3	17.3	17.3		41	17.1	17.2	17.2
17	17.3	17.1	17.2	f.s.b	42	17.2	17.3	17.3
18	16.9	16.9	16.9		43	17.2	17.4	17.3
19	15.9	16.0	15.9		44	16.7	16.8	16.8
20	16.9	17.0	17.0		45	16.9	17.1	17.0
21	16.6	16.9	16.7		I 3200	16.7	17.0	16.9
22	17.5	17.6	17.6		I 3202	16.5	16.7	16.6
23	17.6	17.5	17.5		I 3205	16.0	16.0	16.0
24	16.9	17.1	17.0		I 3206	15.9	16.0	16.0

MC 31365

I 3214	16.6	16.6	16.6		68	17.0	16.9	17.0
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I 3217	16.3:	16.4:	16.3:	double?	69	17.3	17.5	17.5
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Square 2

46	17.4	17.4	17.4		70	17.2	17.5	17.3
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47	17.4	17.6	17.5		71	16.0	16.2	16.1
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48	17.6	17.7	17.6		72	17.2	17.4	17.3
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49	16.6	16.5	16.5		73	17.3	17.6	17.4
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50	17.3	17.2	17.2		74	16.8	17.0	16.9
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51	17.0	17.1	17.1		75	17.6	17.7	17.7
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52	16.6	16.6	16.6		76	17.5	17.6	17.6
----	------	------	------	--	----	------	------	------

53	16.5:	16.5	16.5	in halo of bright star	77	17.4	17.5	17.5
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54	17.3	17.4	17.4		78	16.4	16.6	16.5
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55	17.0	17.2	17.1		79	17.1	17.1	17.1
----	------	------	------	--	----	------	------	------

56	16.9	17.0	16.9		80	16.9:	16.9:	16.9:
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57	17.1	17.0	17.0		I 3241	16.2	16.2	16.2
----	------	------	------	--	--------	------	------	------

58	16.4	16.7	16.5		I 3283	16.0	15.9	16.0
----	------	------	------	--	--------	------	------	------

59	16.3	16.4	16.4		I 3297	17.0	17.0	17.0
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60	17.0	17.0	17.0		I 3308	15.6	15.5	15.5
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61	17.0	17.1	17.1		I 3324	16.1	16.1	16.1
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62	17.5	17.6	17.6		I 3336	15.5	15.5	15.5
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Square 3

63	16.6	16.7	16.7		81	16.8	16.9	16.8
----	------	------	------	--	----	------	------	------

64	17.4	17.7	17.6		82	17.2	17.4	17.3
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65	17.3	17.3	17.3		83	17.4	17.5	17.5
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66	17.0	17.1	17.1		84	16.9	17.0	17.0
----	------	------	------	--	----	------	------	------

67	16.8	16.8	16.8		85	17.2	17.4	17.3
----	------	------	------	--	----	------	------	------

in halo of bright star

spiral on edge

double with I 3367

MC 31365

86	17.0	17.3	17.1	I 3380	16.5	16.4	16.4
87	16.9	17.2	17.0	I 3394	16.0	16.1	16.1
88	16.3	16.3	16.3	I 3401	16.5	16.5	16.5
89	16.6	16.7	16.7	? I 3415	16.7	16.7	16.7
90	16.6	16.6	16.6	<u>Square 4</u>			
91	16.6	16.5	16.6	107	17.4	17.3	17.4
92	16.7	16.7	16.7	108	16.8	16.8	16.8
93	16.4	16.6	16.5	109	17.2	17.3	17.3
94	17.4	17.5	17.5	110	17.0	17.2	17.1
95	16.9	17.0	17.0	111	16.4	16.6	16.5
96	17.5	17.5	17.5	112	17.2	17.3	17.2
97	16.6	16.6	16.6	113	17.2	17.5	17.3
98	17.6	17.7	17.7	114			
99	17.0	17.0	17.0	115	17.3	17.3	17.3
100	16.8	16.9	16.8	116	17.0	17.0	17.0
101	17.1	17.2	17.1	117	16.6	16.9	16.8
102	17.3	17.4	17.4	118	16.6	16.8	16.7
103	17.1	17.2	17.1	119	17.6	17.5	17.5
104	16.9	17.0	17.0	120	16.2	16.4	16.3
105	17.1	17.2	17.1	121	17.5	17.6	17.6
106	17.1	17.2	17.2	122	17.0	17.1	17.1
N 4475 J	15.5	J	J 15.5	123	17.6	17.7	17.6
I 3362	16.1	16.0	16.1	124	16.6	16.6	16.6
I 3367	16.0	15.8	15.9	125	16.9	16.9	16.9
I 3326 J	15.5	J 15.5	J 15.5	126	16.1	15.9	16.0

plausible with
8.1

MC 31365

122	17.5	17.5	17.5	I 3491	16.2	15.9	16.1
128	16.8	16.8	16.8	I 3495	16.4	16.3	16.4
129	16.9	16.7	16.8	star very close to 129 I 3496	15.9	15.8	15.9
130	16.6	16.6	16.6	I 3502	16.7	16.7	16.7
131	16.9	17.0	17.0	I 3508	15.6	15.5	15.6
132	17.0	17.1	17.1	I 3514	16.6	16.5	16.5 double star?
133	16.9	16.9	16.9	I 3531	16.6	16.5	16.6
134	16.9	17.0	17.0	I 3536	16.0	15.9	15.9
135	16.8	16.9	16.9	I 3543	16.2	16.0	16.1
136	16.2	16.1	16.2	I 3547	16.7	16.8	16.8 *
137	16.4	16.3	16.3	<u>Square 5</u>			
138	16.0	15.7	15.8	146	17.0	17.1	17.1
139	16.6	16.3	16.5	147	17.1	17.0	17.0
140	16.4	16.2	16.3	148	16.5	16.6	16.5
141	17.1	17.4	17.2	149	16.7	16.7	16.7 double with I 3565
142	17.3	17.3	17.3	150	16.6	16.5	16.6
143	16.6	16.7	16.7	151	16.5	16.4	16.5
144	16.8	17.0	16.9	152	16.4	16.2	16.3
145	16.9	17.1	17.0	153	17.0	17.0	17.0
N 4555 ]	]	]	]	154	16.3	16.2	16.2
N 4556 ]	]	]	]	155	16.4	16.3	16.3
I 3450	16.6	16.4	16.5	156	17.2	17.1	17.2
I 3460	16.5	16.3	16.4	157	17.1	17.0	17.1
I 3480	16.3	16.2	16.2	158	16.9	16.9	16.9 double star?
I 3488	15.9	15.7	15.8	159	17.1	17.2	17.2

MC 31365

attached to star

160	17.2	17.3	17.3	N4563	16.0	15.9	15.9
161	17.0	17.2	17.1	I3549	16.8	17.1	17.0
162	17.2	17.3	17.2	I3559	16.1	16.0	16.1
163	17.4	17.4	17.4	I3560	15.9	15.9	15.9
164	17.2	17.3	17.3	I3561	15.6	15.5	15.6
165	16.8	16.9	16.8	I3565	16.9	16.7	16.8
166	16.9	16.8	16.9	I3585]]]
167	16.7	16.6	16.6	I3596	16.8	16.8	16.8
168	17.0	16.7	16.9	I3599	15.5	15.6	15.5
169	17.0	16.9	17.0	I3600	15.6	15.7	15.6
170	17.2	17.2	17.2	I3610	16.6	16.8	16.7
171	16.8	16.6	16.7	I3614	17.0	17.0	17.0
172	16.8	16.6	16.7	I3618	15.6	15.8	15.7
173	16.7	16.7	16.7	I3623]]]
174	16.9	16.8	16.9	I3628	16.6	16.7	16.7
175	16.8	16.7	16.8	I3632	17.0	17.2	17.1
176	17.0	16.9	16.9	<u>Square 6</u>			
177	16.4	16.2	16.3	183	17.1	17.1	17.1
178	17.0	16.9	16.9	184	17.0	16.9	17.0
179	16.9	16.7	16.8	185	16.8	16.8	16.8
180	16.5	16.3	16.4	186	17.0	17.0	17.0
181	17.1	17.1	17.1	187	16.9	16.8	16.9
182	16.5	16.4	16.4	188	16.9	16.8	16.8
N4557]]]	189	16.7	16.8	16.7
N4558	15.5	15.5	15.5	190	16.2	16.2	16.2

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MC 31365

191	17.0	17.0	17.0		216	17.6	17.5	17.6
192	16.6	16.8	16.7	fract.	217	16.9	17.0	16.9
193	16.5	16.3	16.4		218	16.0	16.1	16.0
194	17.3	17.3	17.3		219	16.8	17.0	16.9
195	16.5	16.5	16.5		220	16.9	17.1	17.0
196	16.1	16.0	16.0		221	17.0	17.1	17.1
197	16.4	16.3	16.3		222	16.8	17.0	16.9
198	17.3	17.4	17.4		223	17.1	17.1	17.1
199	16.3	16.6	16.5		224	16.8	16.9	16.8
200	16.9	16.8	16.8		225	16.6	16.8	16.7
201	17.0	17.2	17.1		226	17.2	17.3	17.3
202	16.5	16.4	16.5		227	17.5	17.6	17.6
203	17.1	17.1	17.1		228	16.7	16.7	16.7
204	16.6	16.6	16.6		229	17.3	17.2	17.3
205	17.0	17.0	17.0		230	17.0	16.9	17.0
206	16.7	16.7	16.7		231	17.0	16.8	16.9
207	17.1	17.3	17.2		232	17.1	17.2	17.1
208	16.6	16.5	16.6		233	16.7	16.7	16.7
209	17.3	17.1	17.2		234	17.3	17.4	17.4
210	16.6	16.5	16.5		235	16.8	16.8	16.8
211	16.0	15.8	15.9		236	16.4	16.5	16.5
212	17.4	17.7	17.6		237	16.8	16.9	16.8
213	16.8	17.0	16.9		N4251]]]
214	17.0	17.1	17.1		N4275]]]
215	16.6	16.8	16.7		N4295	15.4]]

MC 31365

I 3135	16.6	16.7	16.7	255	17.4	17.5	17.5
I 3143	15.9	15.8	15.8	256	17.3	17.4	17.4
I 3165	15.5	]		257	17.3	17.4	17.3
I 3168	15.7	15.5	15.6	258	17.2	17.3	17.2
I 3172	16.2	16.1	16.1	259	17.3	17.2	17.3
I 3193	15.6	15.5	15.6	260	16.9	17.1	17.0
I 3212	15.7	15.6	15.7	261	16.3	16.5	16.4

Square 2

238	17.1	17.1	17.1	262	17.1	17.0	17.0
239	17.2	17.4	17.3	263	17.4	17.2	17.3
240	17.1	17.0	17.0	264	16.4	16.1	16.3
241	17.5	17.2	17.3	265	17.0	17.0	17.0
242	16.8	16.6	16.7	266	17.3	17.2	17.2
243	16.5	16.3	16.4	267	17.5	17.6	17.5
244	17.5	17.2	17.4	268	17.2	17.2	17.2
245	17.6	17.4	17.5	269	17.0	17.1	17.0
246	16.9	17.1	17.0	270	17.2	17.2	17.2
247	17.1	17.0	17.1	271	16.7	16.7	16.7
248	17.2	17.2	17.2	272	17.3	17.3	17.3
249	17.1	17.2	17.2	273	17.2	17.2	17.2
250	16.5	16.6	16.5	274	17.0	16.9	16.9
251	16.6	16.6	16.6	275	17.3	17.3	17.3
252	16.9	16.9	16.9	N 4393]]]
253	17.0	16.9	17.0	N 4408	15.8	15.6	15.7
254	17.2	17.2	17.2	I 3230	16.1	16.2	16.2
				I 3234	16.9	17.0	16.9

Double with
I 2324Double with
I 3278

star attached

102

I 3243	15.7	15.6	15.6
I 3262	15.6	15.6	15.6
I 3263	15.5	15.4	15.5
I 3269	16.9	16.9	16.9
I 3270	16.1	16.0	16.0
I 3278	16.6	16.6	16.6
I 3299	16.5	16.4	16.5
I 3306	16.3	16.1	16.2
I 3329	16.4	16.0	16.2; faint N 4393
I 3341	16.4 ^{16.2}	16.0	16.2
I 3353	16.2	16.1	16.2

Square 8

276	17.6	17.7	17.7
277	17.1	17.1	17.1
278	17.2	17.1	17.2
279	17.5	17.3	17.4
280	17.2	17.2	17.2
281	17.8	17.8	17.8
282	17.3	17.3	17.3
283	17.4	17.7	17.5
284	17.3 ^{17.7}	17.7	17.6
285	17.2	17.4	17.3
286	17.4	17.3	17.4
287	16.9	16.9	16.9
288	17.4	17.5	17.5

MC 31365

289	17.3	17.4	17.4
290	17.1	17.2	17.1
291	16.5	16.5	16.5
292	17.2	17.1	17.2
293	17.0	17.0	17.0
294	17.1	17.0	17.1
295	16.8	16.9	16.8
296	17.0	16.9	16.9
297	17.1	17.1	17.1
298	16.8	16.9	16.8
299	16.7	16.8	16.7
300	17.5	17.6	17.6

I 3375	16.8		star?
I 3387	16.4	16.3	16.3
I 3389	16.8	16.8	16.8
I 3406	15.9	15.7	15.8
I 3407	15.6]	

Square 9

301	17.4	17.6	17.5
302	17.1	17.2	17.2
303	17.2	17.2	17.2
304	17.4	17.4	17.4
305	17.3	17.4	17.3
306	17.2	17.2	17.2
307	17.2	17.3	17.2

MC 31365

308	17.6	17.6	17.6	333	16.8	16.8	16.8
309	17.3	17.5	17.4	334	17.1	16.8	17.0
310	17.1	17.2	17.1	335	17.2	17.3	17.3
311	16.5	16.6	16.6	336	17.5	17.4	17.4
312	16.3	16.2	16.3	337	16.9	16.9	16.9
313	17.2	17.3	17.2	338	16.9	17.0	16.9
314	17.5	17.3	17.4	I 3444	15.7	15.6	15.6
315	17.3	17.3	17.3	I 3454	16.1	16.0	16.1
316	16.2	16.1	16.1	I 3458	16.0	15.9	16.0
317	17.2	17.2	17.2	I 3482	16.4	16.2	16.3
318	17.2	17.2	17.2	I 3494	16.6	16.6	16.6
319	16.6	16.6	16.6	I 3511	16.8	16.9	16.9
320	17.1	17.0	17.0	I 3512	16.8	16.8	16.8
321	17.2	17.2	17.2	I 3513	16.7	16.7	16.7
322	17.4	17.6	17.5	I 3515	15.8	15.7	15.8
323	17.2	17.2	17.2	I 3516	16.1	16.1	16.1
324	17.1	17.2	17.1	<u>Square 10</u>			
325	17.2	17.1	17.2	339	17.1	17.3	17.2
326	17.6	17.6	17.6	340	16.6	16.9	16.7
327	17.1	17.1	17.1	341	16.7	16.9	16.8
328	16.6	16.7	16.7	342	17.3	17.4	17.4
329	17.0			343	16.6	16.7	16.7
330	17.2	17.3	17.2	344	16.3	16.3	16.3
331	16.9	17.0	16.9	345	16.6	16.5	16.6
332	16.1	16.1	16.1	346	16.7	16.9	16.8

very close
to star

neb?

MC 31365

347	16.7	16.6	16.7
348	16.4	16.5	16.4
349	17.3	17.3	17.3
350	16.4	16.4	16.4
351	17.1	17.1	17.1
352	17.2	17.2	17.2
353	16.9	17.0	16.9
354	16.1	16.1	16.1
355	17.6	17.7	17.6
356	17.4	17.4	17.4
357	17.0	17.1	17.1
358	17.0	17.1	17.0
359	17.2 ^{17.5}	17.6	17.4
360	16.7	16.7	16.7
361	16.8	16.9	16.9
362	17.2	17.2	17.2
363	17.1	17.2	17.2
364	17.3 ^{17.4}	17.7	17.5
365	16.7	16.8	16.7
366	17.1	17.3	17.2
367	16.1	16.2	16.2
368	16.7	16.9	16.8
369	17.2	17.3	17.3
370	15.7	15.5	15.6
371	15.4]]

372	16.9	17.0	17.0
373	16.6	16.8	16.7
374	17.1	17.1	17.1
375	15.9	15.7	15.8
376	17.0	17.0	17.0
377	17.4	17.6	17.5
378	17.3	17.5	17.4
379	16.5	16.2	16.3

N 4559]]]

I 3587 15.7: 15.7 15.7

spiral on edge

I 3590 16.0 ^{15.8} 15.6 15.8

I 3592 15.4]]

I 3593 15.6 15.7 15.6

I 3598]]]

I 3620 16.0 15.8 15.9

I 3627 16.2 16.1 16.1

Square II

380	17.3	17.4	17.4
381	16.4	16.2	16.3
382	16.7	16.6	16.7
383	16.8	16.9	16.8
384	17.0	17.1	17.1
385	16.3	16.2	16.2
386	16.4	16.2	16.3
387	16.4	16.7	16.5

MC 31365

388	15.8	15.7	15.8		413	15.5	15.5	15.5	+
389	15.7	15.6	15.7		414	17.3	17.4	17.3	
390	16.5	16.7	16.6		415	15.5]		
391	17.0	17.0	17.0		416	16.1	16.1	16.1	
392	16.3	16.1	16.2		417	16.3	16.4	16.4	
393	15.6	15.5	15.6		418	16.6	17.0 17.2	17.0	
394	16.0	16.0	16.0		419	17.1	17.2	17.1	
395	15.6	15.5	15.5		420	16.7	16.8	16.8	
396	16.8	16.9	16.8		421	16.1	16.3	16.2	
397	16.1	16.0	16.1		422	16.2	16.5	16.3	
398	16.3	16.5	16.4	star attached	423	16.0	16.0	16.0	
399	16.2	16.5 16.7	16.5		424	17.2	17.3	17.2	
400	16.8	17.1	17.0		425	17.1	17.2	17.1	
401	16.9	17.2	17.1		426	17.0	17.3	17.2	
402	16.5	16.6	16.6		427	17.2	17.3	17.3	
403	15.7	15.5	15.6		428	16.3	16.6 16.7	16.6	
404	16.6	16.7	16.7		429	17.0	17.3	17.2	-
405	16.4	16.5	16.4		430	17.3	17.5	17.4	
406	16.1	16.3	16.2		431	17.2	17.4	17.3	
407	16.2	16.5	16.3		432	16.3	16.3	16.3	
408	17.1	17.3	17.2		433	17.2	17.5	17.3	
409	16.8	16.9	16.8		434	17.1	17.5 17.5	17.4	
410	16.9	17.2	17.1		435	17.0	17.3	17.2	
411	15.6	]			436	17.2	17.4	17.3	
412	15.8	15.7	15.8		437	16.7	16.8	16.7	

ME 31365

438	16.5	16.6	16.6
439	16.5	16.5	16.5
440	17.1	17.4	17.4
441	17.2	17.3	17.3
442	17.2	17.3	17.2
443	16.5	16.5	16.5
444	17.3	17.4	17.3
445	15.8	15.7	15.8
446	16.6	16.6	16.6
N 4278]]]
F 777]]]
I 3210	15.9	15.8	15.9
I 3232	15.7	15.7	15.7

Square 12

447	17.0	17.0	17.0
448	16.4	16.5	16.4
449	17.4	17.4	17.4
450	16.5	16.4	16.5
451	15.8	15.8	15.8
452	17.0	17.2	17.1
453	17.0	17.1	17.0
454	17.2	17.3	17.3
455	16.6	16.6	16.6
456	16.6	16.8	16.7
457	17.1	17.2	17.2

Double neb?

458	16.5	16.4	16.5
459	16.8	17.0	16.9
460	16.1	16.0	16.0
461	16.6	16.6	16.6
462			
463	16.4	16.3	16.3
464	16.8	16.9	16.8
465	17.4	17.4	17.4
466	17.2	17.3	17.3
467	15.9	15.8	15.8
468	16.8	17.0	16.9
469	16.2	16.1	16.1
470	16.9	16.9	16.9
471	17.0	17.2	17.1
472	17.1	17.2	17.2
473	16.5	16.4	16.5
N 4310]]]

N 4311	15.8:	16.0:	15.9:
N 4315]]]
I 3237	15.8	16.0	15.9
I 3247	15.5]	
I 3309	15.6:	15.6	15.6:
I 3334	15.9	16.0	16.0

Square 13

474	17.2	17.3	17.3
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} double

MC 313 65

475	17.1	17.3	17.2	500	17.4	17.6	17.5
476	17.0	17.0	17.0	501	16.5	16.8	16.6
477	17.3	17.4	17.4	502	16.9	16.9	16.9
478	17.3	17.3	17.3	503	17.0	17.1	17.1
479	17.5	17.6	17.5	504	16.7	16.7	16.7
480	16.8	16.6	16.7	505	17.2	17.3	17.2
481	17.1	17.2	17.2	506	16.6	16.5	16.5
482	16.1	16.1	16.1	507	17.3	17.5	17.4
483	16.6	16.6	16.6	508	17.2	17.1	17.2
484	15.8	15.8	15.8	509	16.2	16.1	16.1
485	17.1	17.3	17.2	510	16.9	16.7	16.8
486	16.6	16.8	16.7	511	17.2	17.3	17.2
487	16.0	16.0	16.0	512	16.9	17.1	17.0
488	16.3	16.4	16.3	513	16.8	16.9	16.9
489	17.4	17.6	17.5	514	17.1	17.0	17.0
490	16.1	16.2	16.2	515	17.0	17.0	17.0
491	17.2	17.4	17.3	N 4448]]]
492	17.7	17.7	17.7	N 4495]]]
? 493	16.6	16.5	16.5	I 3402	15.8	15.7	15.7
494	16.5	16.6	16.6	I 3441	15.8	15.6	15.7
495	16.8	17.0	16.9	I 3451	15.9	15.7	15.8
496	16.5	16.3	16.4	Square 14			
497	17.3	17.3	17.3	516	16.8	17.0	16.9
498	16.4	16.1	16.3	517	17.5	17.8	17.6
499	17.0	17.0	17.0	518	16.9	17.1	17.0

ME 31365

519	17.2	17.3	17.3	544	16.8	17.1	17.3	17.1
520	17.5	17.7	17.6	545	15.9	15.9	15.9	15.9
521	16.5	16.5	16.5	546	17.3	17.5	17.4	17.4
522	16.8	16.9	16.8	547	16.5	16.7	16.6	16.6
523	16.8	16.8	16.8	548	17.4	17.4	17.4	17.4
524	16.7	16.8	16.7	549	16.5	16.6	16.5	16.5
525	16.3	16.2	16.2	550	16.8	16.8	16.8	16.8
526	17.3	17.3	17.3	551	16.7	16.9	16.8	16.8
527	17.4	17.3	17.3	552	17.0	17.3	17.2	17.2
528	16.7	16.7	16.7	553	16.9	17.1	17.0	17.0
529	17.1	17.4	17.2	554	17.0	17.1	17.1	17.1
530	16.5	16.6	16.5	555	17.2	17.4	17.3	17.3
531	16.7	16.7	16.7	556	16.9	17.1	17.0	17.0
532	15.9	15.7	15.8	557	16.1	16.2	16.2	16.2
533	16.6	16.6	16.6	558	16.7	16.8	16.7	16.7
534	17.1	17.3	17.2	559	17.1	17.3	17.2	17.2
535	16.5	16.5	16.5	<u>Square 15</u>				
536	16.9	17.2	17.0	560	16.7	16.9	16.8	16.8
537	16.9	16.8	16.9	561	16.0	16.1	16.0	16.0
538	16.6	16.7	16.6	562	16.4	16.6	16.5	16.5
539	17.3	17.5	17.4	563	16.9	17.1	17.0	17.0
540	16.3	16.1	16.2	564	17.1	17.3	17.2	17.2
541	17.2	17.2	17.2	565	16.6	16.7	16.7	16.7
542	17.1	17.3	17.2	566	16.8	17.0	16.9	16.9
543	17.4	17.4	17.4	567	16.4	16.3	16.4	16.4

f.s.b.

N

MC 31365

568	17.0	17.1	17.1	591	17.1	17.3	17.2
569	16.6	16.6	16.6	592	17.3	17.5	17.4
570	15.6	15.7	15.6	593	16.9	17.2	17.0
571	16.7	16.7	16.7	594	17.3	17.3	17.3
572	17.1	17.3	17.2	595	17.3	17.3	17.3
573	17.3	17.3	17.3	596	16.7	16.9	16.8
574	16.6	16.6	16.6	597	16.8	16.9	16.9
575	17.3	17.5	17.5	598	16.3	16.6	16.4
576	17.1	17.3	17.2	599	16.5	16.7	16.6
577	17.5	17.6	17.5	600	17.0	17.1	17.1
578	16.8	16.8	16.8	601	17.3	17.4	17.4
579	16.1	16.1	16.1	602	16.1	16.1	16.1
580	17.1	16.9	17.0	603	16.8	16.9	16.9
581	17.1	17.1	17.1	604	17.3	17.4	17.4
582	16.0	15.9	16.0	605	17.2	17.3	17.3
583	17.2	17.4	17.3	606	17.0	17.2	17.1
584	17.2	17.1	17.2	607	17.2	17.2	17.2
585	16.9	17.1	17.0	608	17.2	17.3	17.2
586	16.3	16.3	16.3	609			

N 4585]]]

Square 16

587	17.1	17.2	17.1	610	17.2	17.2	17.2
588	17.0	16.9	17.0	611	17.1	17.2	17.1
589	16.9	17.0	16.9	612	17.1	17.2	17.2
590	17.6	17.6	17.6	613	15.9	16.1	16.0
				614	17.0	16.9	16.9
				615	17.3	17.1	17.2

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MC 31365

616	17.1	17.1	17.1
617	16.5	16.6	16.6
618	17.5	17.6	17.5
619	17.5	17.5	17.5
620	16.6	16.8	16.7
621	16.4	16.6	16.5
622	17.6	17.7	17.6
623	17.3	17.5	17.4
624	16.8	17.0	16.9
625	17.2	17.3	17.3
626	16.8	16.9	16.8
627	17.2	17.3	17.3
628	16.9	17.2	17.0
629	17.2	17.3	17.3
630	17.1	17.4	17.2
631	16.9	17.1	17.0
632	17.0	16.8	16.9
633	16.5	16.5	16.5
634	16.9	17.1	17.0
635	17.3	17.4	17.3
N 4253]]]
N 4274]]]
N 4283]]]
N 4286]]]
N 4308]]]

I 779 15.6 15.4 15.5

Square 17

636	16.6	16.6	16.6
637	17.4	17.6	17.5
638	17.1	17.1	17.1
639	17.0	17.1	17.0
640	15.8	15.6	15.7
641	17.2	17.2	17.2
642	17.1	17.0	17.1
643	17.2	17.3	17.2
644	16.5	16.6	16.5
645	17.2	17.4	17.3
646	16.8	16.8	16.8
647	15.7	15.8	15.8
648	17.2	17.2	17.2
649	15.8	15.9	15.9
650	17.3	17.4	17.4
651	17.2	17.4	17.3
652	17.4	17.5	17.5
653	16.7	16.8	16.8
654	17.3	17.6	17.5
? 655	16.5	16.6	16.6 f.s.b.
? 656	16.3	16.3	16.3
657	17.3	17.2	17.3
? 658	17.0	17.1	17.0

ML 31365

659	16.7	16.8	16.7
660	16.9	17.0	17.0
661	17.4	17.4	17.4
662	15.8	16.1	15.9
663	16.6	16.5	16.6
664	16.7	16.7	16.7
665	16.1	16.2	16.1
666	16.7	17.0	16.8
667	16.5	16.7	16.6
668	15.9	16.1	16.0
669	16.9	16.7	16.8
670	16.1	16.0	16.1
671	17.5	17.6	17.6
672	16.5	16.3	16.4
673	17.3	17.6	17.5
674	17.2 ^{17.5}	17.7	17.5
675	16.3	16.4	16.4
676	16.3	16.4	16.3
N 4314	7	7	7

Square 18

677	16.8	16.9	16.8
678	17.4	17.6	17.5
679	17.0	17.3	17.1
680	17.4	17.4	17.4
681	16.9	17.0	17.0

682	17.3 ^{17.6}	17.7	17.5
683	16.6	16.6	16.6
684	16.8	16.9	16.9
685	17.2	17.4	17.3
686	17.2	17.2	17.2
687	16.7	16.7	16.7
688	17.0	17.1	17.0
689	17.1	17.2	17.1
690	17.3	17.2	17.2
691	16.9	17.1	17.0

Square 19

692	17.2	17.2	17.2
693	17.2	17.2	17.2
694	15.8 ¹	16.0 ¹	15.9 ^{5,5,6}
695	17.2	17.3	17.3
696	16.3	16.5	16.4
697	17.3	17.4	17.4
698	17.3	17.6	17.5
699	16.8	16.8	16.8
700	17.0	16.9	17.0
701	16.6	16.6	16.6
702	17.2	17.2	17.2
703	17.4	17.3	17.3
704	16.0	15.8	15.9
705	17.0	16.9	17.0

MC 31365

706	17.1	17.1	17.1	728	16.4	16.4	16.4
707	17.1	16.9	17.0	729	16.9	16.9	16.9
708	17.0	17.1	17.1	730	16.8	16.8	16.8
709	15.4	7	7	731	16.2	16.1	16.1
710	17.5	17.7	17.6	732	16.6	16.6	16.6
711	16.9	16.7	16.8	733	17.2	17.3	17.2
712	17.3	17.3	17.3	734	17.1	17.2	17.1
713	7	7	7	735	17.4	17.4	17.4
714	17.2	17.3	17.2	736	16.8	17.0	16.9
715	16.3	16.5	16.4	737	17.3	17.4	17.4
716	16.6	16.7	16.7	738	17.1	17.2	17.1
717	17.5	17.6	17.6	739	17.0	17.1	17.0
718	17.0	^{16.6} 16.6	16.6	740	16.1	16.0	16.1
719	17.0	16.7	16.9	741	17.0	17.1	17.0
720	17.4	17.4	17.4	742	16.9	17.2	17.1
N 4514	7	7	7	743	17.6	17.7	17.6
N 4525	7	7	7	744	15.9	15.8	15.9

Square 20

721	17.5	17.5	17.5	745	17.2	17.1	17.2
722	16.8	16.9	16.8	746	17.4	17.2	17.3
723	17.0	17.1	17.1	747	17.0 ^{17.3}	17.5	17.3
724	17.1	17.3	17.2	<u>Square 21</u>			
725	16.6	16.6	16.6	748	17.0	17.2	17.1
726	17.2	17.2	17.2	749	17.1	17.1	17.1
727	16.7	16.6	16.6	750	16.8	16.7	16.7
				751	16.4	16.3	16.4

MC 31365

752	16.8	16.5	16.7		777	16.3	16.2	16.3
753	16.9	16.7	16.8	} double	778	17.1	17.1	17.1
754	17.1	17.0	17.0		779	15.8	15.8	15.8
755	17.2	17.1	17.1		780	17.1	16.9	17.0
756	17.6	17.4	17.5		781	16.8	16.8	16.8
757	17.0	16.7	16.8		782	17.0	17.0	17.0
758	16.8	16.6	16.7		783	17.2	17.2	17.2
759	17.0	16.9	16.9		784	17.0	16.9	17.0
760	16.1	16.2	16.2		785	16.8	16.7	16.7
761	16.4	16.3	16.3		786	16.9	16.7	16.8
762	17.5	17.5	17.5		787	16.9	16.7	16.8
763	17.3	17.3	17.3		788	17.1	16.8	17.0
764	17.1	17.2	17.2		789	16.8	16.5	16.7
765	16.5	16.3	16.4		790	16.6	16.3	16.4
766	16.7	16.7	16.7		791	15.5]]
767	16.5	16.2	16.3		792	17.0	17.0	17.0
768	15.8	15.7	15.8		793	17.0	17.0	17.0
769	16.6	16.5	16.5		794	16.3	16.2	16.3
770	16.8	16.7	16.8	} double	795	16.0	16.0	16.0
771	17.3	17.4	17.4		796]]]
772	16.5	16.3	16.4		797	16.8	16.8	16.8
773	16.9	16.8	16.9		N 4272]]]
774	16.9	17.0	17.0		Square 22			
775	17.5	17.7	17.6		798	15.7	15.5	15.6
776	17.2	17.2	17.2		799	16.8	16.8	16.8

} double

ME 31365

800	16.2	16.2	16.2		825	16.7	16.8	16.8	att. to star
801	16.9	16.7	16.8		826	17.3	17.4	17.3	
802	17.0	17.0	17.0		827	16.9	16.9	16.9	
803	15.8	15.6	15.7		828	16.8	16.7	16.8	
804	16.6	16.5	16.6		829	17.2	17.3	17.3	
805	17.5	17.7	17.6		830	16.7	16.5	16.6	
806	16.0	15.8	15.9		831	16.6	16.4	16.5	
807	17.4	17.5	17.5		832	16.5	16.2	16.4	
808	16.3	16.1	16.2		833	16.1	16.1	16.1	
809	16.2	16.1	16.2		834	16.8	16.7	16.7	
810	17.5	17.6	17.5		835	17.2	17.3	17.2	
811	17.0	17.3	17.2		836	16.7	16.7	16.7	
812	16.8:	17.0:	16.9	att. to star	837	17.1	17.2	17.1	
813	17.4	17.4	17.4		838	16.8	16.8	16.8	
814	17.2	17.3	17.3		839	17.3	17.5	17.4	
815	17.1	16.9	17.0		840	17.5	17.5	17.5	
816	17.7	17.8	17.8		841	16.9	16.9	16.9	
817	17.0	16.8:	16.9:	FSB	842	17.4	17.3	17.4	
818	16.9	17.1	17.0		843	17.3	17.2	17.3	
819	17.3	17.4	17.3		844	16.6	16.5	16.6	
820	16.6	16.9	16.8		845	17.1	17.0	17.1	
821	17.2	17.3	17.3		846	16.7	16.4	16.6	
822	17.1	17.1	17.1		847	16.7	16.7	16.7	
823	16.4	16.1	16.2	} double	848	15.8	15.7	15.7	
824	16.8	16.9	16.9		849	15.7	15.6	15.6	

MC 31365

850	17.2	17.3	17.3	872	17.5	17.6	17.5
851	16.9	17.0	17.0	873	17.4	17.6	17.5
852	16.8	16.8	16.8	874	17.1	17.1	17.1
853	17.1	17.3	17.2	875	16.5	16.2	16.4
854	15.9	15.7	15.8	876	17.3	17.2	17.3
855	17.0	17.0	17.0	877	16.9	16.9	16.9
84414	]	]	]	878	17.2	17.3	17.2
I 3330	]	]	]	879	16.9	16.9	16.9
Square 23				880	16.5	16.6	16.5
856	16.6	16.6	16.6	881	17.0	17.0	17.0
857	16.5	16.5	16.5	882	17.2	17.3	17.2
858	17.3	17.5	17.4	883	15.9	15.8	15.9
859	17.4	17.4	17.4	884	16.7	16.7	16.7
860	15.6	15.5	15.5	885	16.5	16.3	16.4
861	17.3	17.4	17.4	886	17.4	17.6	17.5
862	16.5	16.2	16.3	887	17.2	17.3	17.2
863	17.2	17.3	17.2	888	16.3	16.4	16.3
864	16.8	17.0	16.9	889	17.5	17.5	17.5
865	17.0	17.0	17.0	890	16.6	16.6	16.6
866	16.6	16.7	16.7	891	17.2	17.3	17.2
867	17.2	17.4	17.3	892	17.1	17.2	17.1
868	16.6	16.5	16.6	893	17.2	17.2	17.2
869	16.4	16.1	16.3	894	16.0	15.9	16.0
870	17.4	17.4	17.4	895	16.6	16.6	16.6
871	16.3	16.0	16.2	896	17.3	17.3	17.3

neb?

MC 31365

897	16.8	16.8	16.8	920	17.2	16.9	17.0
898	16.4	16.5	16.5	921	16.1	16.0	16.1
899	17.2	17.2	17.2	922	17.3	17.5	17.4
900	16.6	16.7	16.6	923	16.7	16.7	16.7
901	17.2	17.4	17.3	924	17.4	17.4	17.4
902	17.1	17.2	17.1	925	16.9	17.0	17.0

Square 24

903	16.7	16.8	16.8	926	16.8	16.7	16.7
904	17.1	17.3	17.2	927	17.2	17.1	17.2
905	16.9	16.8	16.9	928	16.6	16.6	16.6
906	17.3	17.5	17.4	929	16.8	17.0	16.9
907	17.5	17.5	17.5	930	17.2	17.1	17.1
908	17.4	17.4	17.4	931	17.3	17.3	17.3
909	16.8	16.6	16.7	932	17.0	17.1	17.0
910	16.6	^{16.5} 16.2	16.5	933	17.2	17.0	17.1
911	17.4	17.6	17.5	934	16.5	16.3	16.4
912	17.2	17.2	17.2	935	16.4	16.4	16.4
913	15.8	15.8	15.8	936	16.9	17.1	17.0
914	17.1	17.0	17.0	937	16.6	16.3	16.5
915	17.0	17.0	17.0	938	17.2	17.2	17.2
916	17.3	17.5	17.4	939	16.9	16.8	16.8
917	17.0	16.8	16.9	940	16.8	16.8	16.8
918	17.1	17.2	17.1	941	17.0	17.0	17.0
919	16.9	16.9	16.9	942	16.6	16.4	16.5

Square 25

943	17.2	17.0	17.1
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MC 31365

944	17.5	17.6	17.5	969	17.1	17.0	17.1
945	16.7	16.7	16.7	970	16.5	16.5	16.5
946	17.3	17.2	17.2	971	17.2	17.2	17.2
947	16.8	16.8	16.8	972	17.0	16.8	16.9
948	16.9	16.8	16.9	973	17.2	17.4	17.3
949	16.9	16.9	16.9	974	17.1	17.4	17.2
950	17.0	17.0	17.0	975	17.1	17.3	17.2
951	17.0	16.9	17.0	976	16.9	16.8	16.9
952	17.3	17.2	17.3	977	17.2	17.2	17.2
953	16.8	16.8	16.8	978	17.0	17.1	17.0
954	17.1	17.2	17.2	979	15.6	15.7	15.7
955	17.2	17.3	17.3	980	17.0	17.2	17.1
956	17.3	17.4	17.4	981	17.1	17.1	17.1
957	16.7	16.6	16.7	<u>OE(h)</u>			
958	17.2	17.2	17.2	981a	16.6	16.4	16.5
959	17.3	17.2	17.2	982	16.2	16.2	16.2
960	17.5	17.5	17.5	983	16.5	16.4	16.4
961	16.9	16.7	16.8	984	J	J	J
962	17.0	16.9	16.9	985	16.8	16.8	16.8
963	16.8	17.0	16.9	986	16.5	16.4	16.5
964	17.4	17.4	17.4	987	16.7	16.9 17.2	16.9
965	17.0	17.1	17.0	988	16.9	17.0	17.0
966	17.3	17.4	17.3	989	17.3	17.5	17.4
967	16.8	16.7	16.8	990	17.0	16.9	16.9
968	15.5	15.5	15.5	991	17.2	17.1	17.2

star att.

MC 31365

992	16.9	16.8	16.9		1016	15.7	15.7	15.7
993	17.2	17.0	17.1		1017]]]
994	17.0	16.8	16.9		1018	17.0	17.2	17.1
995	16.9	16.9	16.9		1019	15.7	15.6	15.7
996	16.2	16.5	16.4	} double	1020	17.0	16.9	17.0 -
997	16.0	16.2	16.1		1021	17.0	17.1	17.1
998	17.1	17.2	17.1		<u>OE(h)</u>			
999	16.8	16.7	16.8		1022	17.1	17.3	17.2
1000	17.0	17.0	17.0		1023	16.7	16.8	16.8
1001	16.8	16.8	16.8		1024	16.8	16.8	16.8
1002	17.2	17.3	17.3		1025	16.1	16.1	16.1
1003	17.3	17.3	17.3		1026	17.1	17.0	17.1
<u>OE(g)</u>					1027	16.9	16.8	16.8
1004	17.2	17.5	17.4		1028	17.2	17.2	17.2
1005	]	15.6	]		1029	17.2	17.2	17.2
1006	16.9	17.0	16.9		1030	16.6	16.5	16.5
1007	17.2	17.3	17.2		1031	17.1	17.0	17.0
1008	16.8	16.9	16.9		1032	17.2	17.2	17.2
1009	15.8	15.8	15.8		1033	16.2	16.0	16.1
1010	16.3	16.4	16.4		fluid 4	15.9	15.8	15.9
1011	16.5	16.6	16.5		<u>OE(g)</u>			
1012	16.2	16.3	16.2		1034	17.3	17.3	17.3
1013	17.0	17.1	17.1		1035	16.8	16.9	16.8
1014	17.2	17.3	17.2		1036	17.2	17.2	17.2
1015	17.2	17.2	17.2		1037	17.0	17.0	17.0

MC 31365

10 38	17.3	17.4	17.3	Heid 13	16.5	16.5	16.5	
10 39	16.9	16.9	16.9	Heid 14	16.2	16.2	16.2	
10 40	16.9	17.0	17.0	Heid 15	16.6	16.4	16.5	
10 41	16.6	16.8	16.7	Heid 16	16.6	16.3	16.5	
10 42	16.6	16.7	16.7	Heid 21	15.9	16.0	16.0	star?
10 43	17.2	17.4	17.3	Heid 22	17.1	17.1	17.1	
10 44	16.7	16.7	16.7	Heid 23	J	J	J	
10 45	17.3	17.1	17.2	Heid 24	16.6	16.8	16.7	
10 46	16.6	16.5	16.6	Heid 25	16.4	16.6	16.5	
10 47	17.5	17.4	17.5	Heid 37	15.8	16.0	15.9	
10 48	17.2	17.4	17.3	Heid 38	16.4	16.6	16.5	
10 49	16.6	16.6	16.6	Heid 40	16.3	16.5	16.4	
10 50	17.0	17.0	17.0	Heid 44	17.0	17.0	17.0	
10 51	16.9	16.8	16.8	Heid 45	16.0	16.1	16.1	
10 52	17.1	17.2	17.1	Heid 51	16.5	16.7	16.6	

Heid 2	16.4	16.2	16.3	
Heid 3	15.8	15.8	15.8	
Heid 4	16.9	16.9	16.9	
Heid 5	16.0	16.1	16.0	
Heid 6	17.3	17.2	17.3	
Heid 7	16.1	16.1	16.1	
" 7	16.5	16.5	16.5	
Heid 9	16.3	16.2	16.2	
Heid 10	15.8	15.8	15.8	star?
Heid 11	15.5	15.5	15.5	
Heid 12	16.5	16.5	16.5	

OE (f)

1053	17.0	17.1	17.0	
1054	17.2	17.2	17.2	
1055	16.8	16.9	16.9	
1056	17.0	17.3	17.2	
1057	17.1	17.3	17.2	
1058	16.7	16.9	16.8	
1059	16.6	16.7	16.7	
1060	17.3	17.5	17.4	
1061	16.7	16.6	16.6	

1062	16.5	16.6	16.5	Heid 23	16.7	16.7	16.7
1063	17.4	17.4	17.4	Heid 25	16.8	16.7	16.7
1064	16.9	17.0	17.0	Heid 26	15.7	15.7	15.7
1065	17.0	16.8	16.9	Heid 27	15.9	16.0	16.0
1066	17.1	16.9	17.0	Heid 28	15.8	15.9	15.9 star ?
1067	17.0	16.8	16.9	Heid 29	16.6	16.7	16.6
1068	16.7	16.7	16.7	Heid 30	16.9	16.8	16.9
1069	16.5	16.6	16.5	Heid 31	16.6	16.6	16.6
1070	17.1	17.1	17.1	Heid 32	16.2	16.2	16.2
1071	17.3	17.4	17.4	Heid 33	16.4	16.4	16.4
1072	16.4	16.4	16.4	Heid 34	17.2	17.3	17.2
1073	17.1	17.1	17.1	Heid 35	16.1	16.1	16.1 double star?
I3640	16.2	16.2	16.2	Heid 36	15.9	15.9	15.9 star ?
I3642	16.2	16.2	16.2	Heid 39	15.7	15.5	15.6
I3644	16.0	15.9	15.9	Heid 41	17.5	17.5	17.5
I3645	16.1	16.1	16.1	Heid 42	15.5]	
I3646	15.5	15.6	15.6	Heid 43	16.4	16.4	16.4
I3650	16.7	16.7	16.7	Heid 46	16.8	17.0	16.9
I3651	]	]	]	Heid 47	16.4	16.3	16.3
Heid 1	16.7	16.7	16.7	Heid 48	16.6	16.6	16.6
Heid 10	16.2	16.2	16.2	Heid 52	16.5	16.6	16.6 star ?
Heid 11	16.1	16.1	16.1	Heid 53	16.9	17.0	16.9
Heid 13	15.6	15.6	15.6	Heid 54	16.5	16.5	16.5
Heid 19	16.5	16.5	16.5	O W (e)			
Heid 21	16.4	16.2	16.3	1074	17.1	17.1	17.1

1075	16.8	16.7	16.8		1099	15.9	15.8	15.8	
1076	17.2	17.2	17.2		1100	17.2	17.0	17.1	
1077	16.9	17.2	17.1		1101	16.7	16.6	16.7	
1078	17.1	17.2	17.2		1102	16.8	16.9	16.8	
1079	16.4	16.5	16.5		1103	17.4	17.5	17.5	
1080	15.8	15.9	15.8		1104	17.1	16.8	17.0	
1081	17.2	17.0	17.1		1105	17.0	16.8	16.9	neb?
1082	16.2;	16.4;	16.3	fsb	1106	17.1	17.0	17.1	
1083	16.6	16.6	16.6		1107	16.1	15.9	16.0	
1084	16.5	16.5	16.5		1108	17.0	17.3	17.2	
1085	17.3	17.3	17.3		1109	16.7	16.7	16.7	
1086	16.7	16.7	16.7		1110	16.7	16.8	16.7	
1087	17.3	17.6	17.5		1111	17.2	17.4	17.3	
1088	16.9	17.2	17.0		1112	16.9	17.0	17.0	
1089	16.5	16.5	16.5		1113	16.8	16.8	16.8	
1090	15.7	15.6	15.7		1114	16.5	16.7	16.6	
O W (d)					1115	16.7	16.8	16.7	
1091	17.2	17.0	17.1		1116	16.8	16.9	16.8	
1092	16.2	16.1	16.2		1117	16.8	17.0	16.9	
1093	17.2	17.1	17.1		1118	16.7	16.8	16.7	
1094	16.9	16.9	16.9		1119	17.4	17.4	17.4	
1095	17.0	17.0	17.0		1120	17.3	17.4	17.4	
1096	16.5	16.5	16.5		1121	17.0	17.1	17.1	
1097	16.9	17.0	17.0		1122	17.1	17.2	17.2	
1098	16.4	16.5	16.5		1123	15.9	16.0	15.9	

N4245	J	J	J		1147	17.0	17.1	17.0	
OW (c)					1148	16.6	16.4	16.5	
1124	16.4	16.3	16.4		1149	16.4	16.2	16.3	
1125	16.6	16.7	16.7		1150	16.9	17.0	16.9	
1126	17.1	17.0	17.0		1151	16.9	17.1	17.0	
1127	16.8	16.7	16.7	} double	1152	16.8	16.8	16.8	
1128	16.2	16.1	16.2		1153	16.6	16.9	16.8	
1129	17.4	17.7	17.5		1154	17.2	17.2	17.2	
1130	17.4	17.5	17.4		1155	16.5	16.5:	16.5:	fsb
1131	17.2	17.4	17.3		1156	17.3	17.5	17.4	
1132	16.3	16.6	16.5		1157	16.8	17.1	16.9	
1133	16.7	16.8	16.8		1158	16.8	16.9	16.8	
1134	16.9	17.0	16.9		N4196	J	J	J	
1135	16.0:	16.0:	16.0:	fsb neb?	OW (b)				
1136	17.1	17.2	17.2		1159	16.3	16.1:	16.2:	fsb
1137	15.5	15.5	15.5		1160				
1138	17.1	17.1	17.1		1161	17.3	17.8 17.7	17.7	
1139					1162	16.6	16.6	16.6	
1140	16.6	16.6	16.6		1163	16.8	17.0	16.9	
1141	17.0	17.1	17.1		1164	15.7	15.7	15.7	
1142	16.6	16.8	16.7		1165	16.0	16.1	16. double with N 4211	
1143	17.1	17.2	17.2		1166	16.9	16.9	16.9	
1144	17.3	17.3	17.3		1167	16.9	17.0	17.0	
1145	16.2	16.2	16.2		1168	16.8	16.9	16.9	
1146	16.8	16.7	16.7		1169	16.3	16.5	16.4	

1170	16.9	16.6	16.8	1195	17.1	17.2	17.2
1171	16.3	16.5	16.4	1196	17.2	17.1	17.1
1172	16.6	16.8	16.7	1197	17.2	17.2	17.2
1173	16.6 ^{16.8}	17.0	16.8	1198	16.7	16.9	16.8
1174	16.5	16.8	16.7	N 4211	J	J	J
1175	16.3	16.5	16.4	O W (a)			
1176	17.2	17.3	17.2	1199	17.2	17.3	17.2
1177	17.2	17.3	17.3	1200	16.8	16.9	16.9
1178	17.1	17.2	17.2	1201	15.8	15.5	15.6
1179	16.4	16.4	16.4	1202	16.6	16.3	16.5
1180	16.8	16.9	16.8	1203	15.9	15.6	15.8
1181	17.5	17.7	17.6	1204	17.1	17.2	17.1
1182	16.2	16.2	16.2	1205	17.1	17.3	17.2
1183	17.1	17.2	17.1	1206	16.5	16.4	16.4
1184	17.2	17.4	17.3	1207	16.8	16.8	16.8
1185	17.1	17.3	17.2	1208	17.2	17.4	17.3
1186	17.3	17.5	17.4	1209	17.3	17.5	17.4
1187	16.5	16.7	16.6	1210	17.0	17.2	17.1
1188	16.7	17.0	16.8	1211	16.9	17.0	16.9
1189	16.9	17.1	17.0	1212	16.9	16.9	16.9
1190	16.8	17.0	16.9	1213	17.2	17.2	17.2
1191	16.8	17.0	16.9	1214	16.9	17.1	17.0
1192	16.7	16.9	16.8	1215	J	J	J
1193	17.1	17.1	17.1	1216	17.2	17.3	17.2
1194	15.6	15.5	15.5	? 1217	16.5	16.6	16.5

1218 16.8 16.8 16.8

O N

1219 16.2 16.0 16.1

1220 17.1 17.1 17.1

1221 16.8 16.9 16.8

1222 16.0 16.1 16.1

1223 17.2 17.0 17.1

1224 17.0 17.0 17.0

1225 17.3 17.2 17.2

1226 17.1 17.2 17.1

1227 15.9 15.9 15.9

1228 16.7 16.8 16.8

1229 16.5 16.7 16.6

1230 17.4 17.4 17.4

1231 16.9 16.7 16.8

1232 17.0 16.9 16.9

1233 16.8 16.8 16.8

1234 16.7 16.7 16.7

1235 16.8 17.0 16.9

1236 16.4 ^{16.7} 16.8 16.6

1237 16.8 16.8 16.8

neb?

1238 16.9 16.9 16.9

1239 16.7 16.7 16.7

1240 16.7 16.9 16.8

1241 16.6 16.4 16.5

1242 16.7 16.9 16.8

1243 16.6 16.6 16.6

1244 16.5 16.6 16.6

1245 16.6 16.5 16.5

1246 17.1 17.0 17.0

O S

1247 16.8 16.9 16.9

1248 16.9 17.2 17.0

1249 17.4 17.4 17.4

1250 17.0 17.1 17.1

1251 17.0 17.2 17.1

1252 16.8 16.7 16.8

1253 17.1 17.2 17.1

1254 17.1 17.3 17.2

1255 17.1 17.2 17.2

1256 17.2 17.2 17.2

1257 17.0 16.9 16.9

1258 17.1 17.3 17.2

I 3242 17.2 17.2 17.2

I 3421 16.0 16.3 16.2

I 3546 15.5 15.6 15.5

I 3553 16.3 16.2 16.2

I 3582 16.7 16.7 16.7

1 15.7

IR4704

I3308		I3243	
I3336		I3262	
N4475		I3263	
I3376		I3407	
N4555		I3444	
N4556		370	
I3508		371	
N4557		N4559	10.7
N4558		I3587	
I3561		I3590	
I3585		I3592	
I3599		I3593	
I3600		I3598	
I3618		389	
I3623		393	
N4251	11.6	395	
N4275		403	
N4295		411	
I3165		413	
I3168		415	
I3193		N4278	11.6
I3212		I777	
N4393		N4310	
N4408		N4375	

I 15.7

I 3247

849

I 3309

N 4414

11.1

N 4448

11.9

I 3330

N 4495

860

I 3441

968

570

979

N 4585

984

N 4253

1005

N 4274

11.7

1017

N 4283

12.8

1019

N 4286

Heid. 11

N 4308

" 23

I 779

I 3646

640

I 3651

N 4314

11.7

Heid. 13

709

" 39

713

" 42

N 4514

1090

N 4525

N 4245

12.3

791

1137

796

N 4196

N 4272

1194

798

N 4211

803

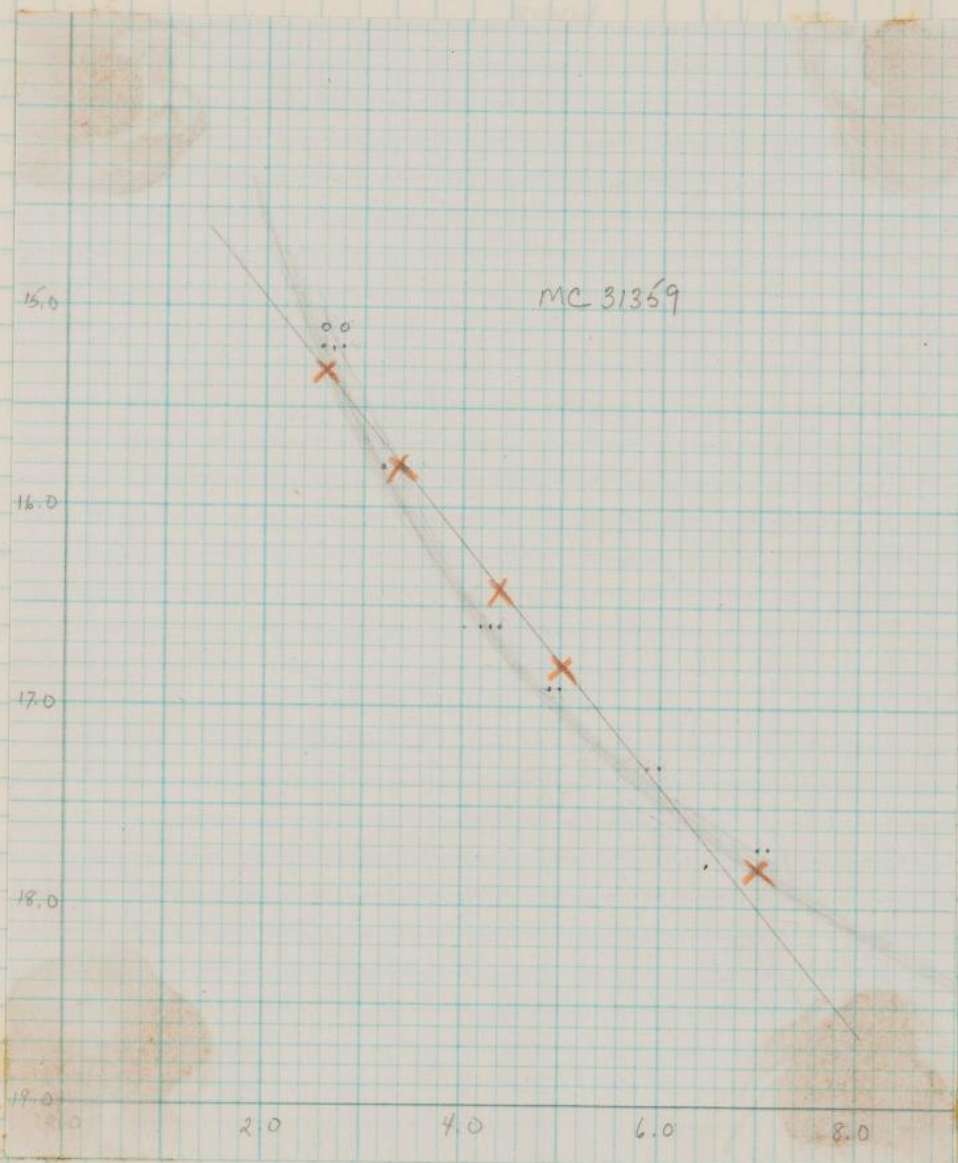
1201

$\lambda 15.7$

1203

1215

I 3546



12ⁿ 50.6

+ 48° 40'

MC 31359

 $\lambda = 85.1$ $\beta = +69.2$ Square 1

1	17.0	17.1	17.0
2	16.2	16.3	16.3
3	16.6	16.7	16.6
4	17.1	17.2	17.1
5	17.1	17.2	17.2
6	17.4	17.4	17.4
7	16.5	16.5	16.5
8	16.7	16.7	16.7
9	16.9	16.9	16.9
10	16.8	16.9	16.9
11	16.6	16.8	16.7
12	16.5	16.7	16.6
13	16.4	16.5	16.4
14	16.6	16.6	16.6

Square 2

15	16.5	16.6	16.5
16	16.9	17.1	17.0
17	16.6	16.8	16.7
18	17.6	17.6	17.6
19	16.6	16.8	16.7
20	16.7	16.7	16.7
21	17.2	17.2	17.2
22	17.4	17.4	17.4
23	16.8	16.8	16.8

24	16.9	17.0	17.0
25	16.8	16.9	16.9
26	16.7	16.7	16.7
27	17.1	17.2	17.2

Square 3

28	16.7	16.7	16.7
29	16.7	16.7	16.7
30	16.4	16.4	16.4
31	17.3	17.5	17.4
32	17.1	17.2	17.2
33	16.9	17.1	17.0
34	17.0	17.0	17.0
35	17.5	17.6	17.5
36	16.8	17.1	17.0
37	16.5	16.7	16.6
38	17.0	17.1	17.1
39	17.0	17.2	17.1
40	16.9	17.1	17.0
41	16.1	16.3	16.2
42	16.9	17.0	17.0
43	16.4	16.6	16.5
44	17.1	17.1	17.1
45	16.5	16.6	16.5
46	16.6	16.7	16.6
47	16.9	16.9	16.9

130

N4800]

I

I

MC 31359

12.0

70

16.8

17.0

16.9

Square 4

71

16.7

16.9

16.8

48

16.7

16.7

16.7

72

17.2

17.2

17.2

49

17.0

17.1

17.1

73

17.1

17.3

17.2

50

16.8

16.8

16.8

74

16.8

16.7

16.7

51

17.1

17.0

17.0

75

15.9

15.5

15.7

spiral on edge

52

17.0

17.1

17.1

76

17.2

17.3

17.2

53

16.2

16.3

16.2

77

16.5

16.5

16.5

54

16.5

16.6

16.5

78

16.4

16.6

16.5

55

17.1

17.2

17.2

very close
to bright *

79

16.5

16.6

16.5

56

17.2

17.2

17.2

80

17.2

17.4

17.3

57

17.0

17.1

17.1

81

17.1

17.2

17.2

58

16.6

16.8

16.7

82

16.6

16.5

16.5

59

17.0

17.1

17.0

83

17.1

17.2

17.2

60

16.5

16.5

16.5

84

16.3

16.2

16.3

61

16.6

16.7

16.7

85

17.2

17.3

17.2

62

16.8

16.8

16.8

86

16.3

16.2

16.3

63

16.9

16.8

16.8

87

16.9

17.0

17.0

64

16.9

16.8

16.9

88

16.9

17.0

16.9

Square 5Square 6

65

17.1

17.0

17.0

89

17.2

17.2

17.2

66

17.0

17.0

17.0

90

16.7

16.7

16.7

67

16.7

16.8

16.7

91

17.1

17.2

17.2

68

16.7

16.6

16.6

92

17.3

17.4

17.3

69

17.4

17.2

17.3

93

16.7

16.7

16.7

MC 31359

94	17.1	17.2	17.2	118	16.5	16.6	16.5
95	17.1	17.1	17.1	119	17.3	17.3	17.3
96	17.3	17.3	17.3	120	16.8	16.8	16.8
97	17.2	17.3	17.3	121	17.2	17.2	17.2
98	15.7:	15.6:	⁴ 15.8	122	17.2	17.3	17.2
edge 99	17.4	17.4	17.4	123	17.1	17.2	17.1
100	17.6	17.6	17.6	124	16.7	16.8	16.8
101	17.5	17.3	17.4	125	16.5	16.6	16.5

spinal on
edgeSquare 8

102	16.3	16.3	16.3	126	17.0	16.9	17.0
103	17.2	17.2	17.2	127	17.1	17.1	17.1
104	17.1	17.1	17.1	128	16.9	16.9	16.9
105	17.4	17.5	17.5	129	16.9	16.8	16.9
106	17.5	17.4	17.4	130	16.9	17.0	17.0
107	16.1	16.0	16.1	131	16.0	16.1	16.1

Square 7

108	17.1	17.2	17.2	132	17.4	17.4	17.4
109	16.9	16.8	16.9	133	16.4	16.5	16.4
110	17.0	17.0	17.0	134	17.3	17.5	17.4
111	17.1	17.1	17.1	135	17.2	17.4	17.3
112	16.3	16.3	16.3	136	16.8	16.8	16.8
113	17.1	17.1	17.1	137	16.4	16.5	16.5
114	17.1	17.1	17.1	138	17.3	17.5	17.4
115	16.9	16.9	16.9	139	17.2	17.4	17.3

Square 9

116	17.3	17.2	17.2	140	17.1	17.2	17.2
117	16.6	16.6	16.6				

MC 31359

141	16.8	16.8	16.8		163	17.0	17.2	17.1
142	17.0	17.1	17.1		164	16.7	16.9	16.8
143	16.7	16.7	16.7		165	17.1	17.2	17.1
144	17.3	17.2	17.2		166	17.2	17.4	17.3
145	16.8	16.9	16.9		167	16.7	16.8	16.8
146	16.2	16.2	16.2		168	17.3	17.5	17.4
147	16.9	17.0	17.0	very close to *	169	16.2;	16.5;	16.3; f. s. b.
148	17.1	17.2	17.1		170	17.0	17.1	17.0
149	17.2	17.3	17.2		171	16.6	16.6	16.6
150	17.3	17.3	17.3		172	16.5	16.6	16.5
151	16.8	16.8	16.8		173	16.6	16.9	16.8
152	17.3	17.3	17.3		174	16.5	16.6	16.5
153	17.4	17.4	17.4		175	16.7	16.6	16.6
154	16.2	16.2	16.2		176	16.9	16.9	16.9
155	17.1	17.2	17.1		177	17.4	17.3	17.3
156	16.7	17.0	16.8		178	17.2	17.1	17.2
157	15.7	15.8	15.7		179	16.0	16.1	16.1
158	17.4	17.5	17.4		180	17.0	17.1	17.0
159	15.6	15.6	15.6 ✓		181	16.6	16.7	16.7
N4901	15.6	15.8	15.7 ⁶		182	17.3	17.3	17.3
N4917	15.8	15.6	15.7 ⁵		183	16.9	17.0	17.0

Square 10

160	16.3	16.1	16.2	* attached
161	15.7	15.6	15.5 15.7	
162	17.0	17.1	17.0	

Square 11

184	17.1	17.2	17.1	
185	17.2	17.3	17.2	
186	17.1	17.1	17.1	

MC 31359

187	16.7	16.8	16.7	211	17.1	17.0	17.0
188	16.9	16.9	16.9	212	16.4	16.4	16.4
189	17.2	17.3	17.2	213	17.3	17.3	17.3
190	15.9	15.7	15.8	214	16.3	16.1	16.2
191	16.6	16.7	16.7	215	15.9	16.0	15.9
192	16.9	17.0	17.0	216	16.7	16.7	16.7
b. 193	16.8	16.5	16.7	f. s. b. 217	17.0	17.2	17.1
194	16.8	16.7	16.8	218	16.9	16.9	16.9
195	16.1	16.0	16.1	219	15.8	15.9	15.8
196	16.9	16.9	16.9	220	17.4	17.4	17.4
197	15.8	15.9	15.8	221	17.0	17.0	17.0
198	16.0	16.2	16.1	222	16.9	17.0	16.9
199	16.4	16.5	16.5	223	16.5	16.8	16.6

Square 12

200	17.2	17.2	17.2	224	16.8	16.9	16.9
201	17.1	17.2	17.2	225	16.3	16.4	16.4
202	16.7	16.9	16.8	? 226	16.4	16.4	16.4
203	16.0	16.0	16.0	? 227	16.8	16.9	16.9
204	17.1	17.2	17.1	228	16.8	16.8	16.8
205	17.0	17.1	17.0	229	17.3	17.3	17.3
206	16.7	16.7	16.7	? 230	17.3	17.2	17.2
207	16.8	16.8	16.8	231	16.8	16.8	16.8
208	16.3	16.2	16.3	232	17.1	17.1	17.1
209	16.4	16.2	16.3	NH7H/]] 15.5 ✓

Square 13

210	15.9	15.9	15.9	233	16.6	16.5	16.5	f. s. b.
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MC 31359

234	17.2	17.2	17.2	259	15.5	J	15.5
235	17.4	17.7	17.6	260	17.0	17.0	17.0
236	16.3	16.4	16.3	261	17.1	17.2	17.1
237	17.0	17.2	17.1	<u>Square 14</u>			
238	16.1	16.0	16.0	262	16.3	16.4	16.4
239	17.1	17.0	17.1	263	17.1	17.2	17.1
240	17.3	17.2	17.2	264	15.7	15.8	15.8
241	17.1	17.2	17.1	265	16.7	16.6	16.7
242	17.2	17.2	17.2	266	16.5	16.4	16.4
243	17.3	17.2	17.2	267	17.0	16.9	16.9
244	17.2	17.3	17.3	268	16.7	16.8	16.8
245	17.0	17.0	17.0	269	17.4	17.4	17.4
246	16.4	16.6	16.5	270	17.1	17.1	17.1
247	J	J	J ✓	271	17.3	17.3	17.3
248	16.3	16.3	16.3	272	17.4	17.3	17.3
249	16.1	16.0	16.0	273	16.9	17.1	17.0
250	16.6	16.6	16.6	274	16.7	16.8	16.8
251	16.0	15.8	15.9	275	16.3	16.3	16.3
252	17.0	17.0	17.0	276	16.6	16.5	16.5
253	17.5	17.6	17.5	277	17.1	17.1	17.1
254	16.7	16.8	16.8	278	15.6:	15.5:	15.6 ⁷
255	17.4	17.3	17.3	279	17.3	17.3	17.3
256	16.8	16.7	16.8	280	17.0	17.1	17.1
257	16.0	15.9	15.9	281	16.9	16.9	16.9
258	15.9	15.8	15.8	282	17.2	17.3	17.2

Spiral on
Edge

double with

MC 31359

283	16.4	16.4	16.4	double with 282	307	17.1	17.3	17.2
284	15.7	15.8	15.7	} double	308	16.1	16.0	16.0
285	16.3	16.2	16.2		309	17.4	17.4	17.4
286	16.3	16.3	16.3		310	16.7	16.6	16.7
287	17.4	17.5	17.5		311	16.7	16.7	16.7
288	16.9	16.9	16.9		<u>Square 16</u>			
289	17.1	17.1	17.1		312	16.8	17.0	16.9
290	17.0	17.1	17.0		313	16.3	16.4	16.4
291	17.0	17.0	17.0		314	17.4	17.7	17.5
<u>Square 15</u>					315	17.2	17.2	17.2
292	16.2	16.2	16.2		316	16.9	17.0	17.0
293	16.8	16.8	16.8		317	17.1	17.0	17.1
294	16.6	16.7	16.7		318	17.0	17.0	17.0
295	16.9	17.1	17.0		319	16.1	16.0	16.0
296	17.2	17.3	17.2		320	16.8	16.9	16.9
297	16.4	16.6	16.5		321	17.5	17.7	17.6
298	16.1	16.0	16.1		322	17.1	17.2	17.2
299	17.1	17.1	17.1		323	17.1	17.2	17.1
300	17.3	17.2	17.2		324	16.7	16.7	16.7
301	16.0	15.9	15.9		325	17.1	17.3	17.2
302	17.0	17.2	17.1	fsb	326	17.2	17.3	17.2
303	17.0	17.1	17.0		327	15.8	15.8	15.8
304	16.9	16.9	16.9		328	16.3	16.4	16.3
305	17.2	17.3	17.3		329	17.0	17.1	17.0
306	16.3	16.3	16.3					

MC 31359

Square 17

				353	16.8	16.7	16.8	
330	15.7	15.7	15.7	354	17.3	17.4	17.3	
331	17.1	17.2	17.1	355	17.2	17.3	17.2	
332	16.7	16.7	16.7	356	16.8	16.8	16.8	
333	17.2	17.3	17.2	357	17.1	17.4 ^{17.4}	17.4	fsb
334	17.3	17.3	17.3	358	16.2	16.3	16.3	
335	17.4	17.5	17.5	359	16.1	16.3	16.2	
336	17.2	17.2	17.2	360	16.8	16.9	16.8	fsb
337	17.3	17.2	17.2	361	16.1	16.1	16.1	
338	16.9	17.1	17.0	362	17.2	17.3	17.3	
339	17.2	17.3	17.3	363	16.6	16.4	16.5	
340	16.0	16.0	16.0	364	17.3	17.2	17.2	
341	17.0	17.0	17.0	365	17.5	17.4	17.5	
342	17.0	17.1	17.0	366	17.4	17.3	17.4	
343	15.6	15.8	15.7 ^b	367	17.0	17.1	17.1	
344	17.2	17.3	17.3	368	16.9	16.9	16.9	
345	17.0	17.0	17.0	369	17.1	17.3	17.2	

Square 18

346	16.7	16.8	16.8	370	17.3	17.4	17.4	
347	17.2	17.3	17.3	371	16.3	16.2	16.3	
348	16.8	16.9	16.8	372	17.3	17.3	17.3	
349	17.1	17.2	17.1	373	17.2	17.2	17.2	att. to star
350	16.7	16.6	16.6	374	17.3	17.2	17.2	
351	16.9	16.8	16.9	375	17.4	17.3	17.3	
352	17.2	17.0	17.1					

Square 19

376	17.0	17.0	17.0	
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MC 31359

Square 20

377	17.4	17.4	17.4		<u>Sg o A r e 20</u>				
378	16.6	16.5	16.6		401	17.2	17.3	17.2	
379	17.2	17.2	17.2		402	16.9	17.1	17.0	
380	16.7	16.9	16.8		403	17.1	17.2	17.1	
381	16.8	16.9	16.9		404	17.1	17.2	17.2	
382	16.9	17.1	17.0		405	17.2	17.3	17.3	
383	17.1	17.3	17.2		406	17.2	17.2	17.2	
384	17.0	17.0	17.0		407	17.0	17.0	17.0	
385	16.7	16.7	16.7		408	15.9	15.9	15.9	
386	16.3	16.2	16.2		409	16.7	16.6	16.6	
387	16.8	16.8	16.8		410	17.2	17.2	17.2	
388	16.8	16.8	16.8		411	16.7	16.9	16.8	
389	16.6:	16.6:	16.6:	fsb	412	16.3	16.2	16.3	
390	17.2	17.3	17.3		413	16.4	16.4	16.4	
391	17.3	17.3	17.3	} double	414	15.8:	15.7	15.8:	fsb
392	17.2	17.2	17.2		415	16.7	16.7	16.7	
393	16.7	16.8	16.8		416	17.0	17.1	17.0	
394	17.0	17.2	17.1		417	17.2	17.3	17.3	
395	16.5	16.8	16.7		418	17.1	17.1	17.1	
396	17.2	17.3	17.2		419	16.8	16.9	16.8	
397	17.1	17.1	17.4		420	17.2	17.2	17.2	
398	17.2	17.4	17.3		421	16.6	16.3	16.5	
399	15.9:	15.6:	15.7	fsb	422	17.0	17.1	17.0	
400	17.1	17.1	17.1		423	17.0	17.0	17.0	
					424	17.1	17.0	17.1	

MC 31359

425	16.7	16.5	16.6	449	17.2	17.2	17.2	
426	16.5	16.5	16.5	450	16.0:	16.0	16.0:	fsb
427	17.3	17.5	17.4	451	16.9	17.1	17.0	
428	17.3	17.4	17.4	452	16.6	16.4	16.5	
429	17.2	17.3	17.3	453	17.2 ^{16.9}	16.8	16.9	?
430	16.8	17.0	16.9	454	17.1	17.2	17.2	
431	16.9	17.0	17.0	455	17.2	17.2	17.2	
432	16.4	16.5	16.5	456	17.0	17.1	17.1	
433	16.3	16.2	16.2	457	17.1	17.3	17.2	
434	17.2	17.3	17.3	458	16.2	16.2	16.2	
435	16.5	16.5	16.5	4617	?	?	?	✓

Square 22

437	17.0	17.1	17.0	459	16.6	16.5	16.6	
438	17.1	17.3	17.2	460	17.0	17.2	17.1	
439	16.7	17.0	16.9	461	16.9	17.1	17.0	
440	17.2	17.4	17.3	462	16.9	17.2	17.1	
441	17.0	17.1	17.0	463	16.8	16.9	16.8	

Square 21

442	17.3	17.3	17.3	464	17.2	17.4	17.3	
443	17.2	17.2	17.2	465	16.2	16.2	16.2	
444	17.2	17.3	17.3	466	17.1	17.1	17.1	
445	16.9	16.9	16.9	? 467	16.9	17.1	17.0	
446	15.9	15.8	15.8	468	16.9	16.9	16.9	
447	16.7	16.5	16.6	469	16.8	16.8	16.8	
448	17.3	17.2	17.3	470	16.4	16.3	16.3	
				471	16.2	16.1	16.2	

M C 31359

472	17.2	17.2	17.2	496	17.0	16.9	16.9
473	17.0	17.1	17.1	497	17.0	17.0	17.0
474	16.8	16.8	16.8	498	17.1	17.1	17.1
475	16.9	17.1	17.0	499	16.3	16.2	16.2
? 476	16.6	16.9	16.8	500	17.2	17.2	17.2
477	16.9	17.0	16.9	501	17.3	17.4	17.3
478	17.4	17.5	17.4	502	16.5	16.6	16.6
<u>Square 23</u>				503	17.4	17.4	17.4
479	16.4	16.7	16.5	<u>Square 24</u>			
480	16.7	16.8	16.8	504	16.0	15.8	15.9
481	17.0	17.0	17.0	505	17.0	17.0	17.0
482	16.3	16.3	16.3	506	15.9	15.6	15.8
483	17.2	17.4	17.4	507	16.6	16.4	16.5
484	16.8	16.9	17.0	508	17.1	17.1	17.1
485	17.4	17.6	17.5	509	17.2	17.3	17.2
486	16.7	16.7	16.7	510	17.0	16.9	16.9
487	17.2	17.1	17.1	511	17.1	17.2	17.2
488	17.1	17.3	17.2	512	16.5	16.2	16.3
489	17.2	17.3	17.2	513	17.2	17.4	17.3
490	16.9	17.0	16.9	514	17.0	17.0	17.0
491	17.0	17.2	17.1	515	17.1	17.2	17.2
492	17.0	17.1	17.0	516	17.2	17.3	17.3
493	17.2	17.2	17.2	517	16.9	16.9	16.9
494	17.5	17.5	17.5	518	17.1	17.2	17.2
495	17.1	17.1	17.1	519	17.0	17.1	17.1

MC 31359

Square 25

520	16.1	15.9	16.0				
521	16.8	16.7	16.8	544	15.9	15.9	15.9
522	16.5	16.2	16.3	545	16.0	16.0	16.0
523	17.2	17.4	17.3	546	17.4	17.5	17.4
524	17.1	17.2	17.2	547	16.2	16.2	16.2
525	17.4	17.5	17.5	548	17.3	17.3	17.3
526	17.2	17.3	17.2	549	17.0	17.0	17.0
527	17.3	17.4	17.3	550	17.0	17.1	17.1
528	17.2	17.3	17.2	551	16.3	16.4	16.4
529	17.1	17.2	17.1	552	17.1	17.1	17.1
530	17.4	17.5	17.4	? 553	16.9	16.9	16.9
531	17.1	17.1	17.1	554	17.2	17.2	17.2
532	17.3	17.3	17.3	555	16.4	16.4	16.4
533	17.3	17.3	17.3	556	17.2	17.0	17.1
534	16.2	16.2	16.2	557	17.3	17.2	17.3
535	17.0	17.0	17.0	558	16.4	16.2	16.3
536	17.3	17.4	17.3	559	17.2	17.2	17.2
537	17.4	17.3	17.4	560	16.2	16.1	16.2
538	16.1	16.0	16.1	561	17.2	17.1	17.1
539	17.2	17.2	17.2	562	16.1	16.0	16.0
540	15.8	15.9	15.8	563	17.0	17.2	17.1
541	17.2	17.2	17.2	564	16.2	16.1	16.1
542	17.3	17.3	17.3	565	16.3	16.1	16.2
543	17.0	17.1	17.1	566	17.0	17.0	17.0
N4932	15.4	7	7	567	17.2	17.2	17.2

} double

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568	17.0	17.0	17.0		592	17.1	17.2	17.1
569	16.4	16.6	16.5		593	16.3	16.0	16.2
570	16.8	17.1	17.0		594	16.4	16.2	16.3
571	17.1	17.1	17.1		595	17.0	16.9	16.9
572	16.7	16.8	16.7		596	17.4	17.3	17.4
573	16.5	16.6	16.6		597	17.0	17.0	17.0
574	16.7	16.7	16.7		598	16.9	16.9	16.9
575	17.2	17.1	17.1		599	17.4	17.3	17.3
576	16.4	16.4	16.4		600	16.7	16.7	16.7
577	16.8	16.8	16.8		601	17.0	16.9	17.0
578	16.8	16.5	16.6		602	16.9	16.8	16.9
579	17.0	16.9	16.9	5sb	603	17.0	17.1	17.0
580	17.2	17.3	17.2		604	17.2	17.2	17.2
581	16.4	16.2	16.3		N5009	15.6	J	15.7
582	16.0	15.8	15.9		<u>O_E (3)</u>			
<u>O_E (14)</u>					605	17.0	17.1	17.1
583	16.5	16.5	16.5		606	16.6	16.4	16.5
584	17.0	17.0	17.0		607	17.2	17.1	17.2
585	17.0	17.1	17.1		608	17.3	17.2	17.3
586	16.9	17.0	17.0		609	16.8	16.8	16.8
587	16.8	16.9	16.9		610	17.3	17.2	17.2
588	17.0	17.0	17.0	neb?	611	16.9	17.1	17.0
589	17.1	17.1	17.1		612	16.2	16.3	16.3
590	17.3	17.2	17.2		613	16.7	16.8	16.8
591	16.8	17.0	16.9		614	16.8	16.7	16.7

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f s b

615	17.3	17.5	17.4	639	16.8	16.8	16.8
616	17.4	17.3	17.4	640	17.2	17.2	17.2
617	17.0	17.0	17.0	641	17.2	17.1	17.2
618	17.2	17.2	17.2	642	16.6	16.5	16.5
619	17.1	17.2	17.1	643	17.3	17.5	17.4
620	17.0	17.1	17.0	644	17.0	16.9	17.0
621	16.8	16.9	16.9	645	16.7	16.5	16.6
622	17.1	17.1	17.1	646	16.3	15.7 15.9	15.6
623	16.7	16.8	16.8	OE (g)			
624	17.2	17.1	17.1	647	16.3	16.2	16.3
625	16.6	16.5	16.6	648	17.0	17.0	17.0
OE (h)				649	15.9	15.8	15.8
626	17.3	17.2	17.3	650	16.6	16.8	16.7
627	17.3	17.3	17.3	651	16.9	16.9	16.9
628	16.8	16.8	16.8	652	17.1	17.1	17.1
629	15.8	15.7	15.8	653	17.4	17.4	17.4
630	17.0	17.0	17.0	654	17.4	17.4	17.4
631	17.1	17.0	17.1	655	16.4	16.5	16.5
632	17.3	17.1	17.2	656	16.9	17.2 17.3	17.2
633	17.0	17.0	17.0	657	17.0	17.0	17.0
634	16.9	16.9	16.9	658	17.3	17.2	17.2
635	17.1	17.1	17.1	659	16.6	16.5	16.5
636	17.0	17.0	17.0	660	16.7	16.4	16.6
637	16.7	16.7	16.7	661	16.8	16.7	16.7
638	16.8	16.8	16.8	662	16.7	16.6	16.6

f s b

663	16.6	16.5	16.5	685	16.3	16.6	16.5	✓
664	16.9	17.0	17.0	686	17.2	17.2	17.2	
665	16.3	16.3	16.3	687	15.9	15.7	15.8	
666	16.5	16.3	16.4	688	17.0	16.8	16.9	
667	17.2	17.5	17.3	689	17.1	17.1	17.1	
668	16.9	16.8	16.8	690	17.1	17.1	17.1	
669	16.9	16.9	16.9	691	17.1	17.1	17.1	
670	16.1	16.0	16.1	692	17.0	17.0	17.0	
671	16.7	16.8	16.8	693	16.1	16.1	16.1	
672	17.0	17.2	17.1	694	15.9	15.9	15.9	
673	16.6	16.7	16.7	695	16.8	16.6	16.7	
674	16.9	17.0	17.0	696	17.2	17.2	17.2	
675	16.0	16.0	16.0	697	15.8	15.6	15.7	✓
676	17.2	17.3	17.3	698	17.2	17.1	17.2	
677	16.0	15.9	16.0	N5021]]]	✓
678	16.2	16.1	16.1	OW (e)				
679	17.0	17.1	17.0	699	16.0	15.9	15.9	
680	17.1	17.1	17.1	700	17.0	17.0	17.0	
681	17.2	17.2	17.2	701	17.2	17.3	17.2	
682	16.6	16.5	16.5	702	16.7	16.5	16.6	
N5029	15.6	15.5	15.5 ⁴	703	17.1	17.1	17.1	
O.E. (f)				704	17.1	17.2	17.1	
683	16.8	16.6	16.7	705	17.1	17.2	17.2	
684	17.0	17.1	17.1	706	17.0	17.0	17.0	

OW (d)

707 15.6] 15.5

708 17.1 17.2 17.1

709 16.7 16.7 16.7

710 17.1 17.2 17.2

711 16.7 16.6 16.7

712 17.2 17.3 17.2

713 17.3 17.3 17.3

714 16.6 16.6 16.6

715 16.9: 17.1 17.0

716 17.3 17.1 17.2

717 16.4 16.3 16.3

OW (c)

718 16.2 16.2 16.2

719 17.3 17.3 17.3

720 16.8 16.7 16.8

721 17.3 17.4 17.3

722 16.7 16.6 16.6

723 17.3 17.2 17.3

724 17.0 17.0 17.0

725 15.9 15.7 15.8

726 16.6 16.6 16.6

727 16.6 16.6 16.6

728 16.5 16.8 16.6

729 16.8 17.1 16.9

730 17.2 17.2 17.2

731 17.4 17.4 17.4

732 17.5 17.5 17.5

733 16.5 16.4 16.4

734 17.2 17.2 17.2

735 15.6 15.5] 15.5

736 16.8 16.8 16.8

737 16.3 16.3 16.3

738 16.9 16.9 16.9

739 16.3 16.4 16.4

OW (e)

740 17.3 17.5 17.4

741 17.1 17.2 17.1

742 17.3 17.3 17.3

743 17.4 17.2 17.3

744 17.2 17.1 17.2

745 17.1 17.1 17.1

746 17.3 17.2 17.3

747 16.7 16.7 16.7

748 17.5 17.3 17.4

749 16.6 16.5 16.6

750 16.3 16.1 16.2

OW (a)

751 16.8 16.8 16.8

752 15.8 15.5 15.7^b

O N

J 15.7

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753	15.7	J	15.5
754	17.4	17.4	17.4
755	15.9	15.9	15.9
756	17.3	17.5	17.4
757	J	J	J ✓
758	17.0	17.1	17.0
759	17.1	17.0	17.1
760	16.7	16.7	16.7
761	17.0	16.9	17.0
762	16.9	17.1	17.0
763	16.7	16.6	16.7
N4998	15.5	J	15.6

N4800	12.0
75	15.7
98	15.4
159	15.6
N4901	15.6
N4917	15.5
161	15.3 .4
N4741	J 15.5
247	J 15.5
259	15.5
278	15.7
343	15.6
399	15.7

O S

764	17.1	17.1	17.1
765	16.6	16.5	16.6
766	16.7	16.7	16.7
767	16.7	16.6	16.7
768	17.3	17.4	17.4
769	17.2	17.3	17.3

N4617	J 15.5
506	15.8
N4932	J 15.5
N5009	15.7
646	15.7
N5029	J 15.5 15.4
697	15.7
N5021	J 15.5
707	J 15.5
735	J 15.5
752	15.6

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15.7

753 15.5

757 15.4

N4998 15.6

