

FW2
2
LMC

27

LAC-42
FW2

THIS BOOK BELONGS TO

CLASS OF _____

HARVARD COOPERATIVE SOCIETY
CAMBRIDGE, MASS.

note

Dec 18 '57

#WW

A 26081

212 - 239 suspected var
of mlt

A 25085

284 - 305

A 23518

276 - 283

A 25473

905

927

952

935

2337

2432

2491

2536

2685

5954

2619

2727

2752

marked on
A 18847

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Measures of Cordoba Variables Summer 1952 U.M.K.N. pp 3 - 18

measures of Cordoba & M.D. variables of region "A" SMC on #D.H.P. plates March 1953 U.M.K.N. 20 -

Regions around L.M.C. 16 plate survey. $5^h 4 - 66$ cont page 23

begin May 1953 M.A. Wetzel

Re examination L.M.C. $5^h 4 - 70.1$ July-Aug 1953 U.M.K.N. 29

16 plate survey new suspects $5^h 4 - 70.1$ M.A. Wetzel 37

Re examination L.M.C. $5^h 44.3 - 66.9$ Nov-Dec 1953 U.M.K.N. 49

20 plate survey new suspects $5^h 44.3 - 66.9$ M.A. Wetzel 55

Re examination L.M.C. $5^h 40 - 70^0$ Nov-Dec 1954 U.M.K.N. 71

20 plate survey suspects $5^h 40 - 70^0$ M.A. Wetzel

Measure of Cordoba variables
of SMC

4

		CV 18	9	106	5	233	270	108	229	214	
26482	32790.386	16.6	16.8	16.9	17.0	17.0	17.0	16.8	16.0	16.3	16.3
8x10		17.0	16.3	16.4				16.2	16.5		
26491	32793.392	16.5	16.6	16.4	16.4	16.6	16.4	16.4	16.6	16.3	16.3
8x10		16.6	16.6	16.3	16.2			16.3	17.0		
26498	32794.391	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.9	16.3	16.3
8x10		16.6	16.4	16.0	16.2			16.3	16.4		
26516	32797.373	16.4	16.4	16.6	16.4	16.5	16.4	16.6	16.4	16.3	16.3
8x10		16.3	16.3	16.3	16.3			15.7	15.7		
26529	32800.379	16.4	16.3	16.8	16.8	17.1	17.0	16.5	16.0	16.1	16.1
8x10		16.6	16.6	15.9	16.2			16.0	16.1		
26538	32804.451	16.7	16.4	16.6	16.9	16.7	17.0	16.5	16.2	16.4	16.4
8x10		16.7	16.9	16.2	16.2			16.3	16.5		
26556	32817.344	17.0	16.2	16.5	16.4	16.4	16.4	16.4	16.2	16.3	16.3
8x10		16.8	16.3	16.4	16.4			16.3	16.4		
26561	32818.369	16.8	16.4	17.0	16.8	17.0	17.0	16.9	16.3	16.4	16.4
8x10		16.9	16.2	16.2	16.2			16.8	16.5		
26567	32819.397	17.0	16.2	17.0	17.0	16.6	17.1	16.9	16.9	16.4	16.4
8x10		16.3	16.3	16.4	16.5	16.6	16.4	16.4	16.3	16.4	16.4
26575	32822.403	16.3	16.3	16.4	16.5	16.6	16.4	16.4	16.3	16.4	16.4
8x10		16.5	16.3	16.2				15.7	15.8		
26581	32824.399	16.4	16.2	16.5	17.0	17.1	17.1	17.0	15.8	16.2	16.2
8x10		16.9	16.9	16.4	16.5			16.0	16.1		
26584	32825.395	16.9	16.7	16.8	17.0	16.8	17.0	17.1	16.2	16.2	16.2
8x10											
26585	32826.387	Wrong Center									
8x10		16.6	16.7	16.4	16.6			15.8	16.2		
26590	32828.390	16.8	16.8	16.9	17.1	17.0	17.0	16.9	16.3	16.5	16.5
8x10		15.7	15.8	16.0	15.8			16.0	15.8		
26591	32833.309	15.8	15.8	16.0	15.8	15.8	15.8	15.8	15.8	15.8	15.8
8x10		16.9	16.8	16.3	16.4			15.9	16.1		
26595	32845.251	16.7	16.5	16.8	17.0	17.1	17.1	16.7	16.2	16.5	16.5
8x10		17.1	17.0	16.4	16.5			15.9	16.0		
26596	32845.299	17.0	16.5	17.0	17.0	17.0	17.0	def	16.3	16.4	16.4
8x10		16.7	16.5	16.4	16.4			16.2	16.1		
26597	32846.275	16.3	16.4	16.7	def	16.8	16.8	16.7	16.1	16.0	16.0
8x10		16.8	16.8	15.8	15.8	15.8	15.8	15.8	16.0	15.7	15.7
26598	32849.266	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.8	15.8
8x10		16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
26600	32849.404	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.8	15.8
8x10		16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
26601	32850.246	16.7	16.4	16.7	16.7	16.9	17.0	16.5	16.3	16.3	16.3
8x10		16.7	16.8	15.9	16.2			15.7	15.9		
26602	32850.289	16.9	16.4	16.8	17.0	17.1	17.0	16.8	16.1	16.5	16.5
8x10		16.7	16.7	16.0	16.1			15.8	15.9		
26603	32850.335	15.9	16.2	16.8	16.9	17.1	17.2	16.5	16.1	16.2	16.2
8x10		16.5	16.7	16.1	16.3			15.6	15.8		
26604	32850.391	16.3	16.4	16.9	16.9	17.2	17.2	16.5	15.9	16.2	16.2
8x10		16.8	16.9	16.1	16.3			15.7	15.9		
26605	32851.255	16.9	16.2	17.1	17.1	17.2	17.0	def	def	16.2	16.2
8x10		16.8	17.0	16.1	16.2			15.8	16.1		
26606	32851.302	17.1	16.3	17.1	17.1	17.2	17.0	16.4	16.3	16.3	16.3
8x10		16.8	16.9	16.3	16.4			15.7	15.9		
26607	32851.349	17.0	16.4	17.1	17.2	17.2	17.0	16.5	16.0	16.2	16.2
8x10											

	3	274	70	95	127	108	-92
3	16.9;	16.8	16.8	16.3	16.7	16.6	<17.0
3	$\Sigma 16.4$	$\Sigma 16.4$	16.4;	16.3	16.4;	16.4;	<16.4
3	$\Sigma 16.8$	$\Sigma 16.8$	<16.8	<16.8	<16.8	16.7;	<16.8
3	16.6;	<16.4	<16.4	<16.4	<16.4	16.4	<16.4
1	17.0	16.9	17.0	17.0	<17.0	16.4	17.0
4	16.9	16.9	16.9	16.9	<17.0	16.4	17.0
3	17.0	17.1	17.2;	16.4	17.0	16.8	17.1
4	16.8	16.8	16.4	17.0	<17.0	16.7	<17.0
4	17.2;	17.0	16.5	16.6	<17.0	16.8	16.8
4	16.8;	$\Sigma 16.4$	16.5;	<16.4	$\Sigma 16.4$	$\Sigma 16.4$	$\Sigma 16.4$
2	16.5	17.0	17.0	$\Sigma 17.0$	<17.0	16.5	<17.0
2	<17.0	17.0	16.4	17.0	<17.0	16.6	<17.0
5	16.9	16.8	16.5	17.1	<17.0	16.8	16.8
8	<15.8	$\Sigma 15.8$	$\Sigma 15.8$	$\Sigma 15.8$	$\Sigma 15.8$	$\Sigma 15.8$	$\Sigma 15.8$
5	16.8	16.8	16.5	16.9	<17.0	16.6	16.7
4	16.7	16.8	16.7	17.0	<17.0	16.4	16.8
0	16.9;	17.0	16.8	17.1	<17.0	16.7	<17.0
7;	—	<15.8	<15.8	<15.8	<15.8	<15.8	<15.8
8;	—	<15.8	<15.8	<15.8	<15.8	<15.8	<15.8
3	16.8	16.8	16.8	16.2	16.4	16.4	16.8
5	16.9	16.9	16.9	16.2	16.5	16.4	17.1
2	16.9	16.9	16.8	16.2	16.5	16.4	16.9
2	16.9	17.0	16.7	16.3	16.9	16.5	17.0
21	16.5	16.5	16.3	17.0	17.0	16.8	17.1
3	16.4	16.4	16.2	17.0	17.1	16.5	<17.0
2	16.4	16.4	16.1	17.0	17.0	16.6	<17.0

		CV 18	9	106	5	233	270	108	229	214	
6	2400,000.000	16.9	16.9	16.8	16.7				15.8	16.2	
26608	32851.408	16.9	16.8	16.9	16.9	17.1	Σ17.0	16.6	16.4	16.4	
26609	32852.254	16.5	16.7	16.8	16.8	16.9	16.9	16.6	16.0	16.3	
26610	32852.297	16.9	16.7	17.0	17.0	17.1	17.1	16.7	16.1	16.3	
26611	32852.341	16.6	16.7	16.8	17.0	17.0	17.0	16.7	16.0	16.2	
26612	32852.392	16.8	16.5	17.1	17.1	17.0	17.1	16.8	15.7	15.8	
26613	32854.245	16.6	16.7	def	17.1	17.1	17.0	16.9	16.0	16.1	
26614	32854.288	16.8	16.8	16.8	17.0	17.1	17.1	17.0	16.0	16.0	
26615	32854.332	17.0	16.7	16.9	17.0	17.2	17.0	16.5	16.4	16.3	
26616	32854.383	16.8	16.6	16.8	17.0	17.1	Σ17.0	16.5	16.1	16.2	
26617	32860.256	16.9	16.5	16.9	17.1	17.2	Σ17.0	16.5	15.8	15.7	
26618	32860.300	17.0	16.5	16.7	17.0	17.1	Σ17.0	16.7	15.8	15.9	
26619	32860.346	16.8	16.2	16.8	17.0	17.1	Σ17.0	16.6	15.8	15.8	
26620	32860.391	16.9	16.5	16.7	16.8	17.1	Σ17.0	16.7	15.7	15.8	
26621	32861.253	17.1	16.4	16.9	17.0	17.1	17.1	16.8	15.7	15.8	
26622	32861.298	16.8	16.5	16.9	17.0	17.0	17.0	16.5	15.7	15.8	
26623	32861.343	16.8	16.3	17.0	17.1	16.9	Σ17.0	16.5	15.6	15.7	
26626	32874.311										
26631	32878.257	16.9	16.6	Σ16.8	Σ16.8	Σ16.8	Σ16.8	16.7	16.4	16.4	
26632	32878.305	16.5	16.4	16.5	17.1	16.9	17.1	16.8	15.9	16.2	
26633	32878.349	16.6	16.4	16.4	16.9	17.1	Σ17.0	16.6	16.0	16.2	
26634	32878.396	16.6	16.3	16.6	17.0	16.7	Σ17.0	16.6	15.9	16.0	
26635	32879.275	16.9	16.4	16.7	17.0	17.0	Σ17.0	16.8	15.7	15.9	
26636	32879.327	17.0	16.4	16.6	17.0	17.0	17.0	16.7	16.6	16.0	
26637	32879.373	17.0	16.4	16.5	17.0	17.1	17.1	16.6	16.2	16.2	

	3	274	70	95	127	108	92
4	16.8	16.6	16.4	16.9	<17.0	16.6	17.0
4	17.1	16.8	16.9	16.8	17.0	16.4	16.4
4	16.9	16.9	16.8	16.8	17.0	16.5	16.4
4	17.0	16.9	16.8	16.8	17.0	16.3	16.5
4	17.0	17.0	16.8	16.9	17.1	16.5	16.6
5	17.0	17.0	16.4	def	Σ 17.0	16.6	17.0
5	16.9	16.9	16.2	16.9	17.1	16.6	17.2
4	16.9	16.8	16.4	17.1	<17.0	16.4	17.1
5	17.0	16.6	16.3	16.9	17.1	16.5	17.0
4	17.0	16.9	16.9	16.9	17.1	16.5	17.1
	17.1	17.0	16.9	16.9	17.0	16.5	17.1
0	16.9	16.9	17.0	17.0	17.1	16.6	<17.0
0	17.0	17.0	16.9	17.1	Σ 17.0	16.6	Σ 17.0
5	16.9	17.0	16.5	17.0	<17.0	16.7	17.1
5	16.8	17.0	16.6	16.9	17.2	16.4	17.1
	17.0	17.0	16.6	16.9	Σ 17.0	16.8	17.1
5	16.8	16.8	Σ 16.8	Σ 16.8	16.6	16.6	
1	16.5	16.9	16.9	16.9	17.1	16.7	16.5
1	16.6	16.8	16.9	16.8	17.1	16.5	16.8
1	16.7	16.8	16.8	16.9	17.2	16.5	16.8
1	16.9	16.9	16.9	17.0	17.2	16.5	17.0
1	17.0	17.0	16.9	16.9	17.1	16.5	17.2
1	17.0	17.0	17.1	17.0	17.2	16.5	17.2

11
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11
HV11174

Bound published HC444
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SML-457

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#21
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HVN 102

Period as published
by Cordelia Neave
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As published U.S.P.

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CU18	9	5	108	229	214
24787. 31589.631	16.8	16.4	[17.0	16.4	16.2 16.4
24831. 31610.648	17.0	16.6	16.9	16.8	16.2 16.4
24839. 31611.626	[17.0	16.5	16.9	16.4	16.2 16.4
24894 31625.631	16.5	16.5	17.0	16.4	16.1
24896 31626.627					
24911 31639.636					
24927 31642.644					
24947. 31650.654	16.4	16.4	16.9	16.5	16.3 16.4
24955. 31655.524	16.8	16.7	[17.0	16.8	16.3 16.5
24958. 31657.596	16.7	16.5	17.0	16.8	16.2 16.4
24974 31669.540	16.5	16.5	17.0	16.4	16.1 16.4
24981. 31670.549	16.9	16.5	16.9	16.5	15.9 16.4
24991. 31674.549	17.0	16.4	[17.0	16.5	16.4 16.4
24998. 31675.572	16.4	[16.4	16.4	diff	[16.4 16.4
25020. 31680.531	17.0	16.4	17.0	16.7	16.3 16.0
25026. 31681.541	16.6	16.5	[17.0	16.8	16.1 16.5
25047. 31697.371	16.8	16.4	16.9	16.9	16.4 16.4
25056. 31698.467	17.0	16.4	17.1	16.9	16.5 16.5
25058. 31699.459	16.5	16.6	17.1	17.0	16.2 16.3
25066. 31701.458	16.5	16.5	17.1	16.8	16.3 16.2
25074. 31702.459	16.9	16.4	16.9	16.9	16.0 16.3
25083. 31704.450	16.9	16.8	16.9	17.0	16.4 16.2
25095. 31710.455	16.8	16.3	16.9	16.9	16.9 16.5
25107. 31712.374	17.0	16.7	17.0	16.7	16.2 16.5

12	2400,000.00	18	9	5	10.8	22.9	21.4
25123	31729.387	16.5	16.4	16.8	16.6	16.3	16.4
25126	31734.237	16.8	16.5	16.9	17.0	16.4	16.6
25132	31738.367	16.9	16.5	17.0	16.9	16.4	16.5
25137	31739.356	16.8	16.5	17.1	16.8	16.3	16.4
25147	31757.240	16.4	16.5	<16.4	16.5	16.2	16.4
25160	31782.262	17.0	16.4	17.1	16.7	16.3	16.2
25171	31796.310						
25178	31799.291	16.5	16.6	17.0	16.6	16.4	16.4
25180	31799.349	16.6	16.7	16.8	16.8	16.4	16.3
25183	31800.288	16.9	16.4	<17.0	16.5	16.5	16.4
25187	31801.286	16.5	16.5	17.0	16.6	16.9	16.3
25374	31976.647	16.6	16.6	17.0	16.7	16.3	16.3
25396	31998.632						
25401	31999.640	16.5	16.7	17.0	16.7	16.1	16.4
25407	32000.655	16.5	16.3	16.9	16.8	16.1	16.3
25418	32003.648	16.8	16.4	17.0	16.8	16.4	16.4
25423	32004.637	16.4	16.6	16.9	16.9	16.5	16.3
25437		16.5	16.4	16.9	16.5	16.3	
25442	32011.598	16.8	16.8	16.9	16.8	16.1	16.4
25445	32013.653	16.9	16.5	Σ17.0	16.9	16.2	16.5
25461	32023.603	17.0	16.5	17.0	16.8	16.3	16.4
25470	32024.572	16.3	16.4	17.0	16.9	16.4	16.3
25483	32031.595	16.9	16.5	17.0	16.8	16.2	16.4
25492	32034.461	16.9	16.3	17.0	16.8	16.3	16.4
25493	32034.503	16.9	16.4	<16.8	16.4	16.2	16.4

		18	9	5	108	229	214
14	2400,000,000	16.4					
25502	32037.518	16.5	16.3	16.9	16.7	—	16.4
25503	32037.601	16.9	16.4	16.9	16.8	16.3	16.5
25516	32052.381	17.0	16.5	17.0	16.8	16.2	16.0
25521	32053.587	16.8	16.9	17.1	16.8	16.3	16.4
25527	32055.383	16.8	16.4	[17.0	16.8	16.4	16.4
25530	32056.396	17.1	16.3	17.0	16.7	16.2	16.3
25542	32059.283	16.8	16.4	17.1	16.6	16.2	16.3
25548	32060.374	[16.4	16.3	[16.4	16.4	16.3	16.3
25553	32061.385	16.8	16.3	17.0	16.8	16.1	16.3
25557	32062.363	[16.4	[16.4	[16.4	[16.4	16.3	16.3
25637	32135.248	16.9	16.3	17.0	16.8	16.3	16.3
25638	32136.259	16.9	16.3	[17.0	16.4	16.1	16.3
25639	32142.259	16.9	16.8	[17.0	16.9	16.2	16.3
25954	32416.417	16.3	16.4	[16.8	16.5	16.2	16.3
8x10							
25965	32419.416	16.8	16.5	16.9	16.6	16.2	def
8x10							
25967	32419.541	[16.4	16.4	[16.4	[16.4	16.1	16.3
8x10							
26009	32441.361	16.9	16.3	16.5	16.5	16.3	16.2
8x10							
26016	32441.399	16.5	16.3	16.8	16.4	16.2	16.3
26029	32462.292	def	16.3	16.8	16.8	16.2	16.3
26032	32466.394	16.4	16.3	16.8	16.7	16.3	16.3
26034	32467.374	16.9	16.4	17.0	16.8	16.3	16.2
26037	32473.362	[17.0	16.4	16.9	17.0	16.2	16.4
26039	32475.373	def	16.4	[17.0	16.9	16.3	16.3
26041	32490.255	16.2	16.3	16.9	16.4	16.2	16.3

		18	9	5	108	229	211
16	2409000.000						
26044	32503.365	16.8	16.3	17.2	16.9	16.4	
26045	32504.261	16.4	16.4	17.1	16.8	16.2	16.4
26047	32504.363	16.7	16.9	[17.0	16.8	16.8	16.3
26049	32504.417	16.4	16.5	16.9	17.0	16.4	16.3
26050	32507.306	16.9	16.5	16.9	16.9	16.2	16.2
26053	32508.261	16.3	16.4	<17.0	16.8	16.2	16.3
26055	32508.351	16.5	16.4	<17.0	16.5	16.2	16.3
26057	32508.406	16.4	16.4	<16.8	16.6	16.4	16.3
26059	32509.259	17.0	16.3	17.0	16.7	16.2	16.2
26061	32509.348	16.9	17.0	17.0	16.9	16.2	16.3
26063	32509.403	16.9	16.8	17.0	17.0	16.1	16.2
26078	32537.271	17.0	16.4	17.0	16.9	16.3	16.5
26080	32537.326	16.7	16.5	17.0	16.6	16.2	16.4

Published Period HC4440.1K
P. 500576 P. 1.9977

Period as published by
Cordoba Bureau to be 0.1K

Period as published by
Cordoba Bureau to be 0.1K

18

S M I

		108	270	233	109
2598	29928.216	16.6	17.5	17.7	
2599	29928.216	16.6	<16.7	<17.1	
2666	29961.310				
2668	29962.263	16.2	17.8	17.5	
2672	29968.268				
2673	29969.268	16.4	17.7	17.3	
3178	30259.460	16.5	<17.5	<17.5	
3182	30267.356	16.8	<17.0	<17.0	
3675	30701.265	—	—	—	
4351	31379.238	16.8	<17.0	df	
4922	31782.276	16.5	17.2	17.6	
4925	31782.373	16.5	17.3	17.6	
4927	31783.292	16.5	17.6	17.6	
4930	31785.274	16.3	<17.0	[17.0	
4933	31785.358	16.8	17.5	17.5	
4939	31710.382				
5614	32504.299	16.8	<17.0	17.5	16.7 ⁰¹³
5617	32507.307				
5620	32507.381	16.8	17.9	17.9	17.5 ²⁰⁹
5622	32508.294	16.8	17.6	—	17.3 ⁴⁵⁹
5625	32508.374	16.8	17.6	17.6	16.7 ⁹¹⁴
5627	32509.294	16.7	<17.0	1	17.5 ⁵⁰¹
5630	32509.370		<17.8	17.9	17.0
4845	31711.306	—			
4874	31726.296	—			
4878	31729.257	—			
4888	31741.241	—			

12
seen
n.s.

n.s.

seen

n.s.

n.s.

n.s.

n.s.

seen

n.s.

n.s.

seen

n.s.

n.s.

—

n.s.

n.s.

158	95	92
210	42	
17.2	17.5	
415	222	
17.5	17.8	
327	833	
17.4	17.8	
389	887	
17.2	17.3	
17.0	553	
166	16.5	
17.0		

20

region A

FDH 640	Aug 12-12 1951	2433871.612	MD 64 1141	73	106	233	108	2
			MS 183	Σ 17.3	16.7	16.7	18.0	16.5
				17.3	16.8	16.5	18.3	16.5
DH 1422	Sept 11-12 1952	2434267.330	17.5: 17.5	16.2	17.4	17.2	17.5	16.3
			17.4	16.5	16.9	17.1	17.6	16.5
1423	Sept 11-12 1952	2434267.417	Σ 17.3	16.4	Σ 17.3	16.8	17.4	16.3
			16.0	Σ 17.5	Σ 17.5	16.7	17.0	16.4
1468	Sept 26-27 1952	2434282.494	16.4	Σ 17.3	17.5	16.9	17.0	16.5
			16.2	17.5	17.5	16.8	17.4	16.2
1469	Sept 26-27 1952	2434282.562	16.3	Σ 17.3	17.4	16.8	17.2	16.4
			17.3	17.2	17.3	17.4	16.8	17.0
1524	Oct 13-14 1952	2434299.275	16.2	17.5	16.5	16.9	17.6	16.5
			17.5	17.4	17.6	16.7	17.2	17.5
1525	Oct 13-14 1952	2434299.296	17.3	17.4	16.8	17.2	17.5	16.9
1526	Oct 14-15 1952	2434300.259	16.6	16.8	17.2	17.5	18.2	16.8
1527	Oct 14-15 1952	2434300.282	17.3	16.6	17.0	17.2	18.3	16.4
			16.5	16.9	17.4	17.5	18.5	16.3
1528	Oct 14-15 1952	2434300.306	16.7	17.0	17.3	17.4	17.5	16.6
			16.5	17.0	17.8	18.0	18.2	17.7
1529	Oct 14-15 1952	2434300.353	16.9	17.2	17.5	17.5	18.5	17.2
1530	Oct 14-15 1952	2434300.441						

0.8	270	12	214	37	75	7
5.16	ms 18.3	ms 18.3	16.2	17.5	17.1	ms 18.3
5.5	ms 18.3	ms 16.3	16.4	ms 18.3	16.7	m
3.14	17.3	ms 17.5	16.3	17.5	17.1	ms 17.5
5.5	17.4	ms 17.5	16.9	17.5	17.3	
3.16	17.3	ms 17.5	16.0	17.5	16.9	ms 17.5
1.3	17.4	ms 17.5	16.0	17.5	17.0	
4.14	ms 17.5	ms 17.5	16.2	ms 17.5	16.9	ms 17.5
6.5	ms 17.5	ms 17.5	16.1	ms 17.5	17.1	
2.63	ms 18.3	ms 18.3	16.2	18.3	17.0	ms 18.3
5.4	ms 17.5	ms 17.5	16.0	17.5	16.7	
8.6	18.0	18.3	16.5	18.3	17.4	ms 18.3
1.5	18.3	18.5	16.2	18.5	17.5	
1.7	18.3	18.5	16.3	18.5	17.5	ms 18.5
1.9	18.3	18.3	16.4	18.3	17.5	
8.6	18.3	18.5	16.2	18.3	17.5	18.5
6.4	18.5	18.5	16.2	18.4	17.4	
3.25	18.5	ms 18.3	16.3	18.0	17.8	ms 18.3
6.6	18.0	ms 18.0	16.2	18.0	17.5	
17.4	18.5	ms 19.3	17.0	18.5	18.0	ms 19.3
17.2	18.8	ms 19.3	16.9	18.8	17.8	

really seems to be red from HPA 153790 up

near my star blue, appear even mag on red plate

Close companion blue star, about .3 diff on red plate.

Regions around L.M.C.,
16 plate survey from 5^h 4 - 6^h
begin May 1953
M A Metzel.

24

Thick
contour
5 4.1-4.5

	255	254	69 [⊕]	70 [⊕]	140	72	253	257	136	137	15
	n.g.	n.g.	✓	✓	✓	✓	✓	✓	✓	✓	
A17077	<17.0	16.1	15.6	16.3	16.1	15.7	15.9	16.2	15.8	16.6	16
18170	<17.0	15.8	14.9	16.8	16.6	16.1	17.0	16.5	15.5	16.5	16
19000	<17.0	15.8	15.0	16.8	16.7	15.8	16.0	16.0	15.9	16.4	16
19694	<17.0	16.2	15.7	16.9	16.0	16.6	16.5	15.8	15.6	16.4	15
20477	<17.0	15.9	15.9	16.0	16.6	15.7	15.7	16.3	15.9	16.6	16
20599	17.3	15.9	15.6	16.0	15.8	16.6	16.8	15.6	15.5	15.7	15
21511	<17.0	16.0	15.4	16.6	16.8	15.1	15.9	16.6	16.0	16.6	16
22329	<17.0	16.1	15.1	16.3	16.8	16.7	15.9	16.1	15.9	16.9	15
23034	17.3	15.9	15.1	16.2	16.9	16.0	15.9	15.7	15.3	16.8	16
24349	<17.0	16.4	15.0	17.0	15.9	17.2	16.3	16.3	16.2	16.4	15
25128	<17.0	16.1	15.6	16.8	17.0	16.8	16.4	16.0	16.1	16.6	16
25478	<17.0	16.2	15.5	17.1	16.3	15.8	17.0	16.8	16.1	16.0	16
26046	<17.0	16.0	15.9	16.8	16.8	15.8	15.7	15.8	15.7	15.9	16
26090	<17.0	16.0	15.9	16.4	17.0	16.3	16.9	16.7	15.8	16.2	16
26093	<17.0	15.9	16.2	17.0	15.7	15.5	17.3	15.8	16.0	16.8	16
17065	<17.0	16.1	14.7	16.4	16.6	15.5	15.7	16.0	15.8	16.6	15
	NG	NG	OK	OK	OK	OK	OK	OK	OK	OK	OK

HV
12574
= 3ML20

Note
means
FWW has
identified
Var from
this drawing
See 17077 for Nov. found

151	73	152	153	154	76	155	75	74	84	197	196	156
16.3	15.9	15.6	16.2	16.3	15.4	15.6	16.2	14.7	<16.4	15.4	16.1	15.9
16.4	16.5	15.4	15.7	15.4	16.0	15.5	15.4	15.2	16.6	15.0	16.0	15.4
16.3	16.0	15.6	15.5	16.0	16.3	15.8	15.5	15.0	16.3	14.9	16.1	15.9
15.9	16.8	16.0	15.7	16.2	def.	15.2	15.8	15.1	15.3	15.3	16.1	15.3
16.3	15.4	15.5	15.9	15.4	15.5	15.9	16.7	15.0	15.2	15.0	16.0	16.0
15.7	15.6	15.6	16.7	16.1	15.4	15.5	16.3	15.1	<16.4	15.1	16.3	15.9
16.6	15.4	15.7	15.8	16.0	16.2	15.5	16.5	15.0	3	15.8	<16.4	15.9
15.7	16.5	15.2	16.3	16.0	16.2	15.3	15.2	15.5	3	15.7	15.9	16.2
16.0	16.0	15.0	16.1	15.5	15.4	15.5	15.6	14.6	16.0	15.6	16.4	16.2
15.9	16.2	15.5	16.0	15.8	15.2	15.2	15.6	14.7	16.1	15.0	15.9	15.4
16.0	15.9	15.4	15.8	16.0	16.6	15.6	16.2	14.5	15.8	15.9	16.4	15.9
16.4	15.6	15.9	16.4	15.4	15.2	15.3	16.2	14.4	16.5	15.1	15.4	16.0
16.0	16.0	15.0	16.2	16.0	15.4	15.1	16.3	14.7	16.5	15.4	15.5	15.3
16.5	16.4	15.9	16.2	15.7	16.5	15.4	15.9	15.0	15.4	15.4	16.6	15.5
16.0	<17.0	16.3	16.8	16.8	15.7	16.3	16.8	15.1	15.8	15.4	16.2	15.5
15.9	15.6	15.0	16.2	15.5	16.1	15.8	15.7	14.7	15.6	15.3	16.6	15.6
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
HV				HV		HV		HV				
12575				12788		12792		12572				

Sag

9	78	198	15.7	235	129	59	135	205	206	207	210	233	27
5	15.4	15.0	16.4	15.3	15.1	17.0	14.2	16.9	15.9	16.2	15.7	>17.0	
7	14.7	14.9	—	15.3	14.5	17.2	14.3	16.4	15.8	16.8	15.5	>17.0	
2	15.2	15.5	<16.4	15.4	15.2	16.0	14.3	16.0	16.1	17.0	15.6	>17.0	
	15.0	15.3	16.1	15.5	15.1	16.4	14.1	15.7	15.9	16.6	16.1	16.6	
7	15.1	15.6	16.3	15.7	15.2	16.1	14.8	15.9	16.0	16.8	15.6	16.9	
5	15.6	15.6	<16.4	15.5	15.5	16.0	14.3	16.8	15.6	15.7	15.7	16.7	
8	14.9	15.5	16.4	15.7	15.4	15.8	14.3	16.7	15.9	16.0	15.7	17.0	
8	15.1	15.5	<16.4	15.9	15.3	15.4	14.8	16.9	15.6	16.9	15.8	16.0	
3	15.5	15.3	—	15.8	15.4	17.2	14.8	16.7	16.4	16.5	15.8	<17.0	
5	15.3	15.2	16.2	15.4	15.4	<17.0	14.2	16.5	15.9	16.8	16.4	16.8	
4	14.9	15.3	<16.4	15.8	15.5	16.0	14.6	16.4	16.2	16.8	16.2	16.0	
0	15.2	15.8	<16.4	15.8	15.3	16.1	14.9	16.5	15.9	16.8	15.9	<17.0	
1	15.8	15.8	—	16.0	15.2	16.8	14.6	15.9	15.7	16.8	15.9	17.1	
5	15.7	15.6	<16.4	15.8	15.5	16.6	14.3	16.4	15.9	16.8	15.6	<17.0	
3	15.6	15.7	<16.4	16.3	15.4	15.7	14.8	16.1	16.7	<17.0	16.0	<17.0	
0	15.0	15.2	<16.4	15.4	15.2	16.3	14.3	16.8	16.0	16.4	16.3	17.0	
	OK	OK	NG	OK	NG	OK	OK	OK	OK	OK	OK	OK	

sampled only
HS

201	211	209	256	202	212	213	203	141
16.0	16.1	16.5	15.2	15.8	16.0	15.2	15.0	16.0
15.8	15.8	17.0	15.6	15.9	15.8	15.5	15.2	15.7
15.9	15.9	16.9	15.5	15.7	15.8	15.4	14.7	15.9
16.1	16.3	17.0	15.2	15.3	15.8	15.2	15.0	16.2
15.7	16.1	16.9	15.6	15.9	15.9	15.5	14.7	15.5
15.9	16.0	17.0	15.4	15.8	16.2	15.5	15.1	16.0
16.0	15.6	16.8	15.2	15.9	16.3	16.0	15.5	16.4
15.9	16.0	16.8	15.5	15.6	16.0	15.5	14.9	16.2
15.9	15.6	16.9	15.2	15.5	16.4	16.4	14.9	16.1
15.7	16.4	16.7	15.1	15.4	16.2	15.2	15.6	15.6
16.0	15.9	16.8	15.3	15.9	16.5	16.3	15.2	15.6
15.8	15.6	16.8	16.0	16.0	15.6	15.6	15.0	16.4
15.8	15.5	17.0	15.8	16.0	15.9	15.5	15.0	16.1
15.8	15.7	<17.0	15.6	15.9	16.4	16.3	15.4	15.6
15.7	15.5	<17.0	15.7	15.8	16.2	15.9	15.4	15.5
15.6	15.7	16.8	15.5	15.8	16.1	15.7	15.0	16.2
NG	OK	OK	OK	NG	OK	OK	OK	OK

imprinted only
H.S.

2
gets blacker
without getting
larger

7224
69
324

Reexam material LMC

$\frac{3}{4}$ " A plate centered at $5^h 4^m - 70.1$

U M. H. H. July 1953

30

Re-examination region $5^h 04.1 - 70.4$ on plates

1940 - 1947 positive #19702 Aug 17-18, 1937

with

#26081 Dec 17-18 1947 good match. no-212-239
rediscovered 43 variables

with

#21606 Feb 14-15 1940 good match no 240 - 270
rediscovered 58 variables

with

#25473 July 25-26 1946 fair match 271-275
rediscovered 42 variables

with

#23518 Dec 31, Jan 1, 1943, good match 276-283
rediscovered 55 variables

with

#25085 Sept 5-6 1945 good match 284-305
rediscovered 61 variables

Bright
A 19702

504-70.1

Faint
26081

✓ FWW

Picture

31

A 19702

26081

✓ 213 very faint

A 26081

A 19702

✓ 214

A 26081

A 19702

✓ 215

A 26081

A 19702

✓ 216 spec

A 26081

A 19702

✓ 217

A 26081

A 19702

✓ 218

A 26081

A 19702

✓ 219

A 19702

A 26081

✓ 220 very faint

A 19702

A 26081

✓ 221

A 26081

A 19702

✓ 222

A 26081

A 19702

✓ 223

A 26081

A 19702

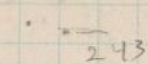
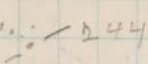
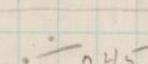

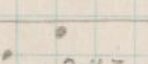
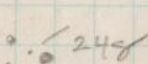
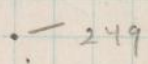
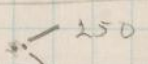
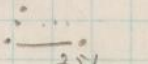
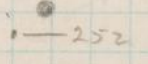
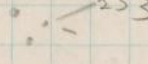
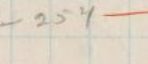
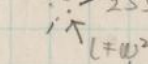
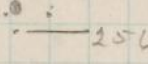
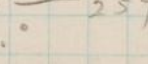
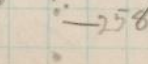
✓ 224

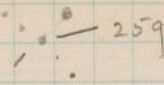
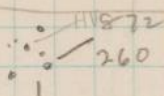
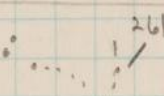
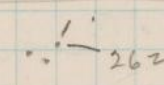
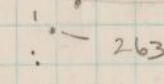
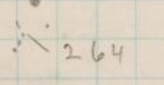
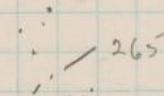
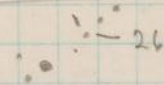
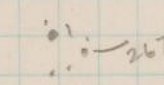
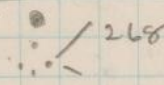

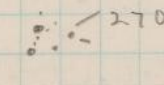
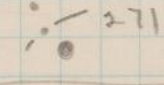
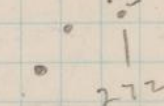
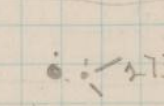
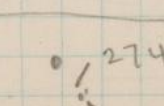
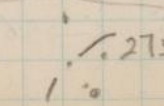
A 26081

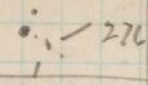
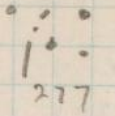
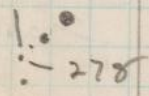
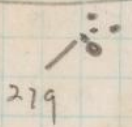
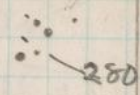
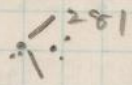
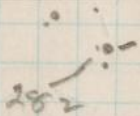
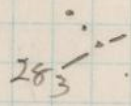
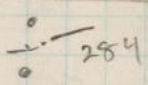
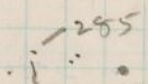
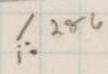
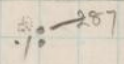
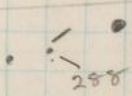
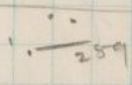
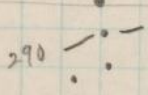
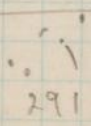
A 19702

✓ 225

No	Bright	Faint	Picture	Remarks
32			226	
226	A 26081	A 19702	∴	
227	26081	19702	∴ 227	
228	26081	19702	∴ 228	
229	19702	26081	∴ 229	
230	19702	26081	∴ 230	
231	19702	26081	∴ 231 15.1 ref	
232	26081	19702	∴ 232	
233	26081	19702	∴ 233	
234	26081	19702	∴ 234	
235	19702	26081	∴ 235	
236	26081	19702	∴ 236	
237	26081	19702	∴ 237	
238	26081	19702	∴ 238	
239	26081	19702	∴ 239	
240	19702	21606	∴ 240	
241	21606	19702	∴ 241	
242	21606	19702	∴ 242	faint

No	Bright	Faint	Picture	Remarks
243	19702	21606	 243	faint
244	21606	19702	 244	
245	21606	19702	 245	
246	19702	21606	 246	faint
247	19702	21606	 247	faint
248	21606	19702	 248	
249	19702	21606	 249	
250	21606	19702	 250	preceding edge of cluster
251	21606	19702	 251	
252	21606	19702	 252	
253	21606	19702	 253	
254	19702	21606	 254	defect in 19702
255	19702	21606	 255 (= 254)	
256	19702	21606	 256	
257	21606	19702	 257	
258	21606	19702	 258	

34 No	Bright	Faint	Picture	remarks
✓ 259	21606	19702		
✓ 260	21606	19702		HV 872 may be misidentified on chart check!!
✓ 261	21606	19702		
✓ 262	21606	19702		faint
✓ 263	21606	19702		
✓ 264	21606	19702		faint N in row of 3 stars
✓ 265	19702	21606		faint
✓ 266	21606	19702		
✓ 267	21606	19702		Faint
✓ 268	19702	21606		
✓ 269	21606	19702		
✓ 270	19702	21606		
✓ 271	25473	19702		
✓ 272	25473	19702		
✓ 273	19702	25473		
✓ 274	25473	19702		
✓ 275	25473	19702		

No	Bright	Faint	Picture	remarks
✓ 276	23518	19702		✓
✓ 277	23518	19702		
✓ 278	19702	23518		
✓ 279	19702	23518		n fol of bright star
✓ 280	19702	23518		
✓ 281	23518	19702		
✓ 282	23518	19702		
✓ 283	23518	19702		
✓ 284	19702	25085		faint
✓ 285	25085	19702		faint
✓ 286	25085	19702		faint defect on A 25085
✓ 287	25085	19702		
✓ 288	19702	25085		faint
✓ 289	19702	25085		faint
✓ 290	25085	19702		
✓ 291	19702	25085		faint

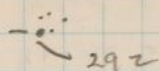
No
36

✓ 292

Bright Faint Picture Remarks

19702

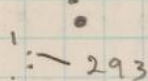
25085


 292

✓ 293

25085

19702

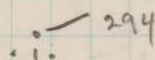

 293

faint

✓ 294

19702

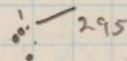
25085


 294

✓ 295

25085

19702

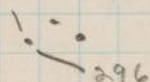

 295

faint

✓ 296

25085

19702


 296

✓ 297

19702

25085

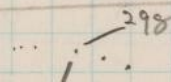

 297

faint

✓ 298

25085

19702

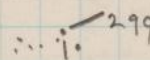

 298

faint

✓ 299

19702

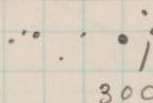
25085


 299

✓ 300

19702

25085

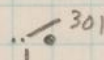

 300

faint

✓ 301

19702

25085


 301

 preceding pair faint
 Defect on 19702

✓ 302

19702

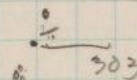
25085


 302

✓ 303

19702

25085

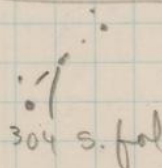

 303

 very faint, not seen in
 25085

✓ 304

19702

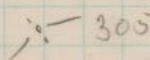
25085


 304 s. fol

✓ 305

25085

19702


 305

faint

plates centered
5h 4.1m - 70.4°

	240	277	276	284	275	245	241	242	212	243 ¹⁷
A 17172	16.4	16.4	15.4	15.9	16.0	16.5	16.2	16.7	15.4	<17.0
17253	16.2	15.8	14.9	16.0	15.9	15.0	<17.0	16.9	15.8	<17.0
17925	16.1	15.8	15.2	16.8	14.8	14.7	17.0	17.0	15.5	^{16.1} 16.1
18847	16.7	16.0	15.5	16.5	15.8	15.7	16.0	16.0	15.7	<17.0
19702	15.8	16.5	15.4	16.0	16.2	15.0	<17.0	16.9	14.9	^{16.3} 16.2
20349	16.5	16.1	15.5	17.0	15.9	15.7	16.9	16.7	16.1	<17.0
21499	16.1	15.9	16.0	<17.0	15.9	16.8	16.0	15.9	15.0	<17.0
21606	16.7	15.8	16.0	16.4	16.1	15.7	16.4	15.9	15.9	17.2
22409	16.5	16.0	16.0	17.0	16.6	16.1	16.5	16.0	16.0	^{16.9} 16.8
23033	16.5	15.8	16.6	16.9	15.7	16.0	16.6	16.9	15.4	<17.0
23047	16.8	15.7	15.3	16.9	16.1	15.6	17.0	16.9	15.2	<17.0
23518	15.2	16.1	15.7	<17.0	15.5	16.4	17.0	16.4	16.2	<17.0
23905	16.2	15.6	15.6	16.9	15.9	16.4	16.0	16.0	16.0	<17.0
24449	16.0	16.1	15.9	16.2	16.7	16.8	<17.0	16.6	15.9	<17.0
25085	16.5	15.5	15.4	<17.0	15.4	16.8	17.1	15.8	15.5	17.0
25473	16.5	16.0	15.4	16.9	15.8	16.9	16.6	15.9	16.5	17.1
26081	16.3	16.0	15.9	16.9	16.0	16.9	16.8	16.8	15.7	^{16.5} 16.4
19684	16.0	15.4	15.4	17.0	15.3	16.6	17.0	16.7	15.6	<17.0

OK OK OK OK OK OK OK OK OK OK

✓

✓

re-measured

re-measured

30/1/73
20/1/73

28.5

38

✓

✓

✓

38	213	244	246	271	247	215	214	288	289	248	249
16.0	<17.0	15.9	16.8	14.8	<17.0	15.7	15.8	16.0	16.8	16.1	17.1
16.0	<17.0	16.7	16.3	14.8	16.8	15.0	15.8	15.9	16.0	15.5	15.8
16.2	<17.0	16.2	16.5	15.1	<17.0	16.0	16.2	16.4	16.8	16.3	<17.0
16.5	<17.0	15.9	16.0	15.0	<17.0	15.7	15.8	16.0	17.0	16.0	16.9
16.0	<17.0	16.0	16.2	15.2	not seen	15.8	15.8	16.2	17.0	16.2	17.2
16.4	<17.0	16.5	15.9	14.6	<17.0	15.9	15.9	15.7	16.0	16.6	15.5
15.8	<17.0	16.5	<17.0	15.0	17.0	15.9	16.0	16.5	16.9	15.9	15.6
15.8	<17.0	16.4	16.9	14.7	<17.0	15.8	15.9	15.8	16.9	16.0	15.7
15.9	<17.0	15.9	<17.0	14.9	16.8	16.0	16.8	15.9	15.7	15.6	16.9
15.8	<17.0	15.7	16.7	14.8	<17.0	15.8	15.5	15.7	17.0	15.9	16.8
15.9	<17.0	15.9	16.1	14.5	<17.0	15.7	15.8	15.8	15.8	16.0	16.5
16.0	<17.0	16.2	16.7	14.9	16.9	16.3	15.4	15.8	16.8	16.0	16.9
15.7	<17.0	16.5	16.2	14.6	<17.0	16.5	15.9	16.5	16.5	16.6	16.7
16.2	<17.0	16.2	16.2	14.5	16.7	15.9	15.6	16.0	16.9	16.3	15.8
15.9	<17.0	16.7	16.2	14.6	16.8	15.7	15.5	16.0	17.0	16.5	16.5
16.3	<17.0	16.2	16.5	14.3	16.8	15.8	15.7	16.1	16.0	16.0	16.2
15.5	<17.0	16.3	16.2	13.9	16.4	15.8	16.0	15.9	17.0	16.4	16.8
15.8	<17.0	16.5	16.0	14.5	16.0	15.6	14.9	16.0	17.0	16.2	16.2
15.7	<17.0	16.3	16.4	14.3	16.0	15.9	15.8	16.0	16.6	15.8	16.6
OK	NG	OK	OK	OK	OK	NG	OK	NG	OK	OK	OK

✓
re-measured

29.0	✓ 22.0	21.9	25.0	21.6	✓ 21.7	25.1	✓ 21.8	25.3	28.7	✓ 22.8	25.3	39
15.8	17.2	15.6	16.0	16.5	16.3	14.5	16.1	16.0	15.3	16.0	14.8	
14.5	16.9	15.8	15.9	15.9	16.0	15.0	16.7	16.7	16.2	16.0	16.2	
15.9	16.8	15.6	16.8	17.2	16.0	14.9	16.5	16.1	15.9	16.0	16.6	
15.6	17.1	15.9	<17.0	<17.0	16.3	14.7	16.5	16.5	16.5	15.9	16.6	
15.9	16.9	15.8	16.9	17.2	16.3	14.9	16.5	16.6	15.9	16.0	16.6	
16.0	16.9	15.5	16.8	16.8	16.2	14.6	16.4	def.	15.7	15.8	16.5	
15.9	16.9	15.7	16.6	16.6	16.7	14.9	16.4	16.4	15.9	16.0	16.5	
16.0	16.9	16.0	16.9	17.3	15.9	14.5	16.7	15.8	15.7	15.9	15.8	
15.8	16.8	15.5	16.4	17.2	16.0	15.0	16.5	16.0	15.8	15.9	16.7	
15.5	16.9	15.5	16.6	17.1	15.9	14.9	16.6	16.5	16.7	16.7	16.5	
15.3	16.7	15.1	16.6	16.7	15.9	14.7	16.4	16.5	15.8	15.8	16.5	
15.4	17.0	15.6	16.7	16.9	16.5	15.0	16.5	16.3	15.9	16.1	16.2	
15.5	16.7	15.4	16.5	17.0	16.5	14.9	16.4	16.4	16.0	15.9	16.7	
15.3	17.0	15.4	15.8	16.5	16.1	15.0	16.5	16.3	15.8	16.0	16.4	
15.4	16.8	15.5	16.9	16.2	16.3	14.8	16.6	16.6	15.7	16.0	16.5	
15.4	16.8	15.4	16.2	16.0	15.8	14.9	16.4	16.5	15.8	16.0	16.0	
15.5	16.9	15.0	16.8	16.3	16.3	14.7	16.5	15.8	15.7	15.9	16.7	
15.6	16.8	15.1	16.9	16.1	16.0	14.9	16.5	16.5	15.3	16.0	16.4	
15.1	17.1	15.5	15.9	16.7	15.9	super OK	NG	OK	OK	NG	OK	
OK	NG	OK	OK	OK	NG							

231 40	227	230	229	232	233	242	223	222	256	226	225
6.1	16.0	15.6	15.9	16.4	15.3	15.8	15.5	15.6	16.0	16.8	15.3
5.4	16.4	15.6	16.8	16.6	15.3	16.4	16.0:	15.8	16.7	16.5	15.2
16.0	16.1	15.3	16.4	16.3	15.6 15.6	16.6	16.6	16.1	16.3	16.8	15.3
15.9	15.8	15.4	ref	16.5	15.3	15.8	15.9	15.8	16.4	16.8	15.3
15.4	15.9	15.4	15.6	16.3	15.3	15.6	16.4	16.0	15.7	17.0:	15.3
15.9	15.6	15.2	15.5	16.2	15.5	15.8	16.5	16.0	16.4	16.8	15.2
15.8	15.8	15.3	16.5	15.9	15.3	16.3	16.5	16.1	16.1	16.7	15.3
15.4	15.8	15.5	16.3	15.8	15.5	15.6	16.4	15.9	16.3	16.7	15.0
15.2	15.8	15.5	16.5	16.1	15.3	16.1	16.2	15.9	15.8	16.8	14.9
15.5	15.8	15.3	16.0	16.2	15.5	16.5	16.4:	16.0	16.4	17.0	15.2
15.3	15.8	15.2	15.6	16.0	15.2 15.2	15.1	15.7	16.2	15.7	16.2	16.8
15.6	15.7	15.6	16.2	15.8	15.3	16.5	15.7	15.8	16.0	16.8:	15.3
16.1	15.7	15.6	16.5	16.4	15.6 15.6	15.7	16.5	16.5	15.9	15.8	16.8:
15.5	15.9	15.4	15.7	16.1	15.2 15.2	15.2	16.4	16.0	16.1	16.1	16.7
15.2	15.7	15.6	16.1	16.2	15.3	16.4	16.1:	16.0	15.7	17.0:	15.3
16.2	15.7	15.5	16.5	16.1	15.5 15.6	15.6	16.0	15.9	16.1	16.7	15.3
16.1	15.6	15.5	16.4	15.9	15.7 15.3	15.2	16.0	15.6	15.7	16.2	16.8
15.5	15.8	15.3	15.6	16.1	15.3	15.6	15.8	15.7	15.6	17.0	15.5
OK	OK	NG	OK	OK	OK	OK	OK	OK	OK	NG	NG
	suspect				suspect			suspect			

224	279	280	294	273	236	262	237	293	258	272	257
15.5	not seen	15.7	15.2	14.9	16.2	16.1	15.1	16.8	16.8	14.9	16.8
15.7	>17.0	15.9	15.3	14.9	16.3	17.0	15.5	16.5	16.6	15.0	>17.0
15.7	>17.0	16.2	15.2	14.8	16.4	16.2	15.7	16.9	16.7	15.0	>17.0
15.7	16.6	15.8	15.0	14.8	15.8 14.8	16.8	15.4	15.9	16.4	15.4	>17.0
15.8	15.8	15.9	14.9	14.8	16.8	16.4	15.8	16.7	16.4	15.6	>17.0
15.6	16.8	16.0	15.0	14.8	16.2	16.7	15.3	16.6	16.3	15.2	>17.0
15.7	16.7	15.8	14.8	14.7	16.3	16.2	15.1	16.2	15.8	14.7	16.8
15.8	16.9	15.8	14.7	15.0	16.4	16.0	15.7	16.6	15.8	15.6	>17.0
15.5	15.5	15.8	14.8	14.2	15.6	16.7	15.2	15.8	15.8	15.1	16.8
15.8	15.7	15.7	15.0	15.0	15.7	16.8	15.4	16.8	16.5	15.2	not seen
15.9	not seen	16.3	14.8	14.7	15.8	16.7	15.5	16.0	16.4	14.6	16.8
15.7	not seen	16.4	15.2	15.2	16.1	16.6	15.5	16.4	16.5	15.3	16.7
15.8	not seen	16.5	15.8	15.5	16.5	16.9	16.0	>17.0	>17.0	15.6	16.3
15.8	16.1	15.9	15.2	15.6	16.1	16.1	15.8	16.0	16.3	15.5	16.7
15.8	15.5	16.1	15.8	15.4	16.0	16.9	15.8	16.2	16.7	15.2	16.6
15.6	16.9	16.4	14.9	15.5	16.0	16.1	15.5	16.5	16.3	14.9	15.9 15.8
15.6	15.6	15.8	15.0	15.5	15.8	16.4	15.4	16.7	16.7	14.9	16.7
15.7	15.7	15.8	15.2	15.0	16.2	16.1	15.5	16.6	16.4	15.3	16.6
NG	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

✓
measured✓
measured✓
measured measured

54 42	221	255	234	235	261	278	263	260	281	295	299	
<17.0	16.5	16.5	16.6	16.4	16.7	15.6	15.3	15.3	16.2	<17.0	14.9	
17.2	16.2	15.8	16.4	16.5	15.8	<17.0	15.2	15.2	<17.0	17.0	16.1	
<17.0	16.1	15.8	16.0	16.5	17.0	16.5	15.5	15.8	17.1	<17.0	15.9	
not seen	16.4	15.9	16.4	16.3	<17.0	16.5	15.4	15.1	16.9	<17.0	16.2	
15.7 15.7	16.2	15.6	15.9	16.8	<17.0	15.9	15.8	15.7	16.5	<17.0	15.6	
17.1	16.0	15.9	15.7	16.7	15.6	16.2	15.4	14.8	15.9	16.5	14.5	
17.0	16.4	16.1	16.4	16.5	16.5	16.1	15.4	14.6	16.7	16.8	14.9	
<17.0	16.3	16.6	15.7	16.3	15.8	16.4	15.9	15.1	16.1	16.8	16.0	
17.0	15.8	15.7	15.3	16.4	16.6	16.5	15.4	15.0	16.4	16.9	15.5	
not seen	16.0	15.6	15.4	16.6	<17.0	16.8	15.5	15.2	16.8	<17.0	15.8	
<17.0	16.3	15.3	16.1	16.5	15.9	16.2	15.2	14.7	<17.0	<17.0	16.0	
<17.0	16.1	16.1	15.7	16.3	16.2	16.4	15.7	15.1	15.8	16.8	15.2	
not seen	16.5	16.5	16.3	<17.0	not seen	15.7	15.6	14.9	not seen	not seen	15.9	
<17.0	15.9	16.2	15.8	<17.0	16.5	17.0	15.6	15.0	16.9	<17.0	16.2	
<17.0	16.1	15.6	15.7	16.4	16.8	16.4	15.8	15.3	16.7	17.1	16.3	
<17.0	16.4	15.9	15.7	16.5	16.2	16.1	15.5	14.7	16.5	16.6	14.9	
17.0	16.2	15.8	15.1	16.5	16.7	16.3	15.7	15.4	16.5	16.7	15.7	
16.9	16.2	15.6	15.8	16.3	16.7	15.8	15.5	15.6	16.9	17.0	15.3	
OK	OK	OK	OK	OK	OK	OK	NG	OK	OK	NG	OK	

21?

N6✓	N9	N13	N15	N16✓	N14	N10	264	296	265	238	297
											43
15.9	unseen	14.5	13.9	15.7	15.2	15.0	16.3	16.0	16.8	16.1	16.6
15.7	unseen	14.8	13.7	15.8	15.2	15.3	<17.0	15.7	17.1	16.4	16.5
16.1	>17.0	14.8	14.1	15.8	14.7	15.6	16.4	15.8	17.0	16.0	16.5
15.5	unseen	14.5	13.2	15.7	14.7	14.8	16.0	15.4	>17.0	16.5	16.4
15.9	unseen	14.6	13.5	15.7	14.9	15.5	17.3	15.7	16.3	16.1	15.8
15.8	unseen	14.2	13.7	15.7	14.7	15.2	16.0	15.7	17.0	16.0	15.8
16.1	16.5:	14.5	12.9	15.7	14.7	15.2	16.3	16.1	16.5	16.2	16.5
15.8	<17.0	14.8	13.8	15.7	14.9	15.5	16.3	15.9	<17.0	16.3	16.1
15.7	unseen	14.7	12.9	15.7	14.6	15.4	16.2	15.8	17.1	16.0	16.1
15.9	unseen	14.9	13.2	15.7	14.7	15.4	16.2	15.8	16.8	16.0	16.5
15.9	unseen	14.9	13.2	15.5	14.9	15.0	16.3	15.9	16.7	16.2	16.1
16.1	16.4	14.9	13.0	15.8	15.0	15.4	16.5	15.8	<17.0	16.4	16.5
16.0	not seen	14.7	13.3	15.8	14.9	15.7	16.1	16.4	<17.0	16.3	16.5
16.0	not seen	14.7	13.4	15.7	14.9	15.2	17.0:	15.8	<17.0	16.0	16.6
15.8	not seen	14.6	13.2	15.7	14.5	15.2	16.2	15.5	16.7	16.0	16.6
16.1	16.0	14.7	13.2	15.6	15.0	15.4	16.3	16.0	16.8	16.0	16.4
15.9	not seen	14.7	13.3	15.5	14.8	15.2	16.1	15.6	16.6	15.2	15.8
15.7	not seen	14.9	13.5	15.8	14.9	15.1	16.3	15.7	<17.0	16.3	15.7
NG	OK	OK	OK	NG	NG	OK	OK	OK	OK	NG	OK

59 44	282	300	301	267	268	298	266	269	303	274	302
5.6	16.1	16.4	<17.0	16.8	14.8	16.4	16.7	14.9	16.1	15.6	15.9
5.3	16.2	<17.0	<17.0	17.0	14.9	16.7	16.8	15.3	15.7	15.5	15.9
15.6	16.4	16.1	<17.0	16.5	15.9	17.0	15.8	14.8	15.7	15.9	15.8
15.1	15.3	16.0	NS	16.6	14.7	16.6	16.8	15.4	15.5	15.2	16.1
15.3	16.4	15.8	15.9	16.7	15.2	16.9	16.6	15.6	15.6	15.8	15.6
15.1	15.6	16.2	NS	16.5	15.0	15.9	16.7	15.3	15.6	15.7	16.3
15.2	16.0	16.2	<17.0	16.6	15.3	16.6	16.8	14.8	16.0	15.5	16.4
15.5	16.2	16.8	<17.0	16.7	15.9	16.7	15.7	14.7	16.2	15.7	15.7
15.2	16.3	16.5	<17.0	16.8	15.8	16.3	16.7	15.5	15.7	15.6	15.5
15.5	15.9	16.2	<17.0	17.0	15.8	<17.0	16.5	14.9	15.8	15.4	15.8
15.1	16.1	16.5	<17.0	16.9	15.8	17.0	15.8	15.1	15.8	15.7	16.2
15.4	15.2	16.1	NS	^{16.2} 15.9	15.3	16.8	15.9	15.0	NS	15.8	15.7
15.7	16.8	16.7	NS	17.0	14.9	<17.0	16.8	15.4	NS	15.9	15.9
15.5	16.0	15.7	<17.0	<17.0	16.2	<17.0	<17.0	14.5	NS	15.5	15.8
15.4	16.2	16.8	<17.0	16.8	15.2	15.3	16.7	14.0	NS	15.7	16.1
15.1	15.7	16.4	<17.0	16.7	15.1	16.8	17.0	14.2	NS	15.3	16.2
15.6	16.4	16.4	<17.0	17.0	15.0	17.0	16.8	14.1	16.2	15.5	16.0
15.3	15.3	16.2	<17.0	16.7	15.0	15.6	16.0	15.0	15.8	15.5	15.9
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

2 stars

304	270	305	291	286 ^A	283	239	
14.8	14.0	16.5	<17.0	15.5	15.1	—	
15.2	14.2	16.8	<17.0	15.6	14.9	15.7	
15.7	14.0	16.6	17.2	15.6	15.9	16.6	
14.9	14.3	16.9	17.2	15.4	16.1	16.5	
15.0	14.2	16.7	17.3	15.6	15.8	16.6	
14.7	14.4	16.6	17.3	15.3	15.7	17.0	
14.8	14.9	16.3	17.3	15.4	15.8	15.6	✓
15.6	15.2	16.2	17.0	15.6	16.0	16.5	✓ 17.8?
15.5	15.0	16.5	17.0	15.7	16.0	16.7	✓
16.0	15.2	16.1	<17.0	15.5	16.4	NS	✓
15.6	15.3	16.6	17.5	15.5	16.0	<17.0	
15.5	15.2	16.8	17.4	15.4	15.9	15.7	
15.5	15.0	<17.0	NS	15.4	15.9	NS	
16.2	14.7	16.7	17.0	15.5	15.8	15.7	✓
16.0	14.8	16.1	17.1	15.4	16.1	15.8	
15.7	14.8	16.0	17.1	15.6	15.8	16.4	✓
15.5	14.9	15.9	17.2	15.6	15.8	—	
16.0	14.7	16.4	<17.0	15.3	15.8	16.5	
OK	OK	OK	NG	NG	NG	OK	

46

284	241	247	279	273	272	257
24976	<17.0	16.4	16.0	17.0	15.3	15.5
31669.632						
24983	<17.0	16.5	16.0	16.5	15.3	15.1
31670.637						
24993	16.7:	16.0	15.8	16.4	15.3	15.2
31674.647						
25005	<17.0	17.0	16.2	<17.0	15.6	15.0
31676.643						
25010	<17.0	16.4	16.5	15.6 15.3	15.3	15.3
31677.644						
25015	pool plate (15 ^m)					
31678.628						
25022	17.2:	16.4	16.3	16.9	15.1	14.9
31680.622						
25028	16.6	16.9	16.7	16.5	15.5	15.3
31681.633						
25033	16.5	16.4	15.8	16.5	15.5	15.2
31682.637						
25050	<17.0	15.9	16.1	16.0	15.5	15.4
31697.559						
25060	16.1	up.	16.5	<17.0:	15.3	15.0:
31699.533						
25068	<17.0	16.8	15.8	16.4	15.3	14.6
31701.534						
25076	16.6	16.4	16.2	16.9	15.4	15.3
31702.562						
25081	16.5	16.5	16.4	<17.0	15.2	15.5
31703.629						
25085	<17.0	17.0	16.4	15.8	15.2	14.9
31704.549						
25091	17.0	15.8	16.6	16.4	15.5	15.5
31708.613						
25097	16.7:	16.8	15.8	16.8	15.5	15.2
31710.557						
25109	17.0	16.7	16.3	15.8	15.4	15.3
31712.517						
25113	16.0	17.1	16.4	17.1:	15.5	15.2
31713.545						
25129	16.1	16.0	16.5	16.7	15.6	15.1
31734.511						
25134	16.7	17.0	16.4	15.7	15.3	15.3
31739.599						
25139	17.0	16.3	16.2	16.6	15.6	15.7
31740.997						
25214	16.1	16.0	16.6	<17.0	15.6	15.3
31959.379						

3.469
2.28822.544
1.35762.444
1.2250

2.26504

Impulse

3.469
0.2882

Reexamination of L.M.C.

$\frac{3}{4}$ "A" plate covered 5^h 44.3 - 66.9

Nov - Dec 1953 U.M.K.N.

July 1954

50

Reexamination of region $5^{\text{h}} 44.3 - 66.9$ for years
1940 - 1950 with positive A 18006, Sept 25-26 1935

with

A 25156 Nov. 12-13 1945 fair no 143 - 144
rediscovered 36 variables

A 25217 Feb 21-22 1946 good no 145 - 153
rediscovered 52 variables

A 26094 Jan 13-14 1948, good no 154 - 171
rediscovered 50 variables

A 23529 Jan 25-26 1943, poor 172-173
rediscovered 26 variables

A 22341 Dec 30-31 1940, good 174-185
rediscovered 64 variables

A 22986 Nov 15-16 1941, fair 186-192
rediscovered 71 variables

Bright

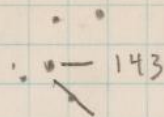
5 11 44.31 -66.9°
Faint

Two
yds 64 ✓

Picture 51

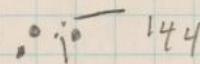
143 18006

25156



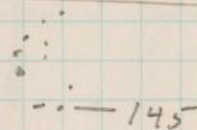
144 18006

25156



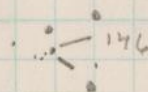
145 25217

18006



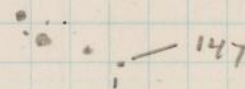
146 18006

25156



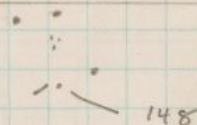
147 25217

18006



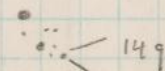
148 25217

18006



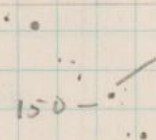
149 18006

25217



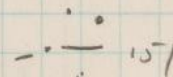
150 25217

18006



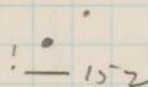
151 25217

18006



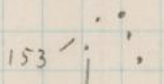
152 18006

25217



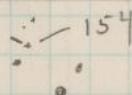
153 18006

25217



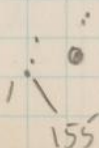
154 18006

26094



155 26094

18006



52 Number

Bright

Faint

Picture

156

A18006

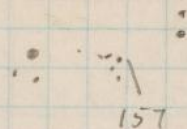
A 26094



157

A 26094

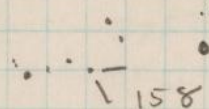
A 18006



158

A 26094

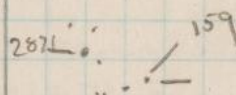
A 18006



159

A 26094

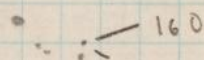
A 18006



160

A 18006

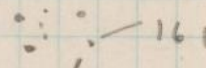
A 26094



161

A 18006

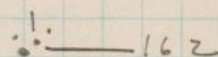
A 26094



162

A 26094

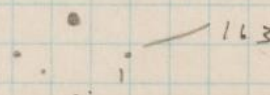
A 18006



163

A 26094

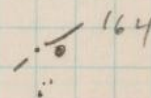
A 18006



164

A 26094

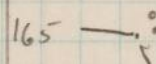
A 18006



165

A 26094

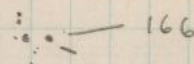
A 18006



166

A 26094

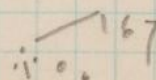
A 18006

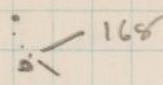
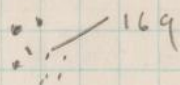
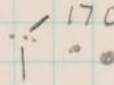
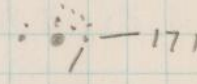
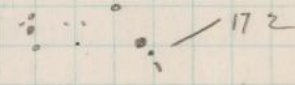
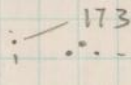
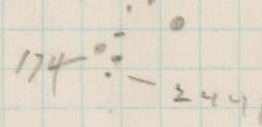
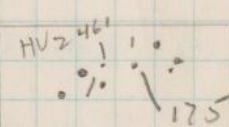
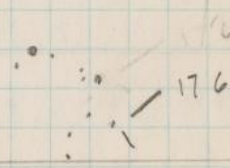
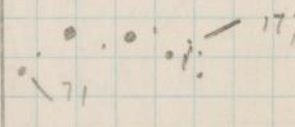
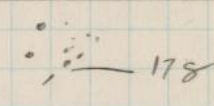
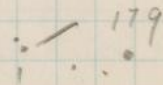
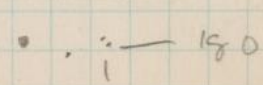


167

A 26094

A 18006



Number	Bright	Faint	Picture 53
168	A 18006	A 26094	
169	A 18006	A 26094	
170	A 18006	A 26094	
171	A 18006	A 26094	
172	A 23529	A 18006	
173	A 18006	A 23529	
174	A 18006	A 22341	
175	A 18006	A 22341	
176	A 18006	A 22341	
177	A 18006	A 22341	
178	A 22341	A 18006	
179	A 22341	A 18006	
180	A 22341	A 18006	

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Number

Bright

Faint

Picture

181

A18006

A22341

181

182

A18006

A22341

182

183

A22341

A18006

183

184

A18006

A22341

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A22341

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A18006

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5444 -66.9d		17.8	17.9	18.7	16.7	17.9R	18.7	14.9	18.8	18.9	19.0	16.8
		14.8	15.1	16.0	15.9	15.7	15.6	15.6	16.5	16.0		16.5
A	17216		15.1	16.0	15.9	15.7	15.6	15.6	16.5	16.0		16.5
	18006	14.6	14.9	15.8	15.7	15.8	15.6	14.5	16.3	15.6	15.4	16.5
	19746	14.8	14.7	16.0	15.6	15.9	16.0	14.7	16.6	15.7	15.5	15.5
	19851	14.9	15.2	15.9	15.3	16.4	15.8	14.7	16.3	15.6	16.1	15.5
	20405	14.8	15.2	15.8	15.9	15.8	15.9	15.2	16.2	15.9	16.0	15.6
	20600	15.0 15.1	15.3	16.2	15.6	16.0	16.2	15.6	16.3	15.8	15.9	15.5
	21500	15.2 15.2	15.2	15.8	15.7	15.5	15.7	14.8	16.1	15.9	15.5	15.4
	22341	14.9	15.3	15.8	15.7	15.5	15.7	14.6	16.3	16.0	15.6	15.7
	22986	14.9	15.3	15.9	15.5	15.8	15.8	14.7	16.3	15.9	16.2	15.7
	23009	14.9	15.3	15.8	15.8	15.2	15.5	14.9	16.4	15.9	15.7	15.3
	23486	15.1 15.0	15.1	15.8	15.3	15.5	15.5	14.5	16.3	15.9	14.6	15.3
	23529	14.9	15.3	15.8	15.8	15.9	16.1	14.8	16.3	15.8	15.8	15.5
	23962	14.8	15.0	15.9	15.6	15.7	15.8	14.7	16.0	15.8	15.5	15.3
	23974	14.9	15.0	15.6	16.1	15.7	15.3	14.7	16.0	15.8	15.8	15.8
	23982	14.9	15.0	15.9	16.1	15.9	15.9	15.7	16.3		15.8	15.7
	25539	14.5	15.2	15.9	15.8	15.4	15.5	14.5	15.8	15.9	15.7	15.1
	24002	14.5	14.9	15.9	15.9	15.7	14.9	14.7	—	—	—	15.9
	25158	14.7	14.7	15.9	15.4	15.6	15.9	15.7	15.9	16.0	15.6	15.5
	25217	15.3 15.3	15.2	15.9	15.8	15.9	15.8	15.7	16.3	16.0	16.0	15.6
	26094	15.3 15.0	15.3	16.0	15.3	15.5	16.0	15.0	16.2	16.2	15.5	15.4
		OK	NG	NG	OK	OK	OK	OK	NG	NG	OK	OK

double
star

17 56	9 ✓	104	8 ✓	79	105	146	75	169	18 ✓	172	80 ← NF	
5.7	16.6	16.2	15.5	15.7	15.0	15.8	15.4	15.9	15.6	16.0	15.5	< 1
15.7	16.0	15.8	15.3	15.4	14.7	15.3	15.4	15.6	15.8	15.7	14.6	15.1
15.7	16.3	16.6	15.6	15.6	15.2	15.7	15.5	15.9	15.6	15.9	15.3	
15.4	16.3	16.2	15.5	15.3	14.9	15.2	15.1	15.6	15.5	15.0	14.6	
15.5	16.2	16.1	15.7	15.0	14.8	15.8	15.4	16.0 ^{def}	15.6	15.2	14.7	1
15.6	16.7	16.3	15.7	15.7	15.1	15.5	15.6	15.9	15.7	15.5	14.8	
15.6	16.2	16.1	15.6	15.5	14.7	15.5	15.5	15.8	15.3	16.2	14.9	
15.7	16.4	16.4	15.6	15.9	14.9	15.4	15.6	16.1	15.6	15.5	15.3	
15.5	16.1	16.0	15.2	14.8	14.8	15.2	15.3	15.2	15.6	15.4	14.4	
15.8	16.2	16.3	15.1	15.4	15.1	15.2	15.1	15.9	15.6	14.8	15.0	
15.6	16.2	15.9	15.5	15.2	14.8	15.5	15.1	15.4	15.7	15.6	14.6	
15.6	16.3	15.8	15.7	15.9	14.7	15.0	14.8	15.8	16.0	14.9	14.7	1
15.8	16.3	16.0	15.6	15.6	14.7	15.5	15.2	15.7	15.4	15.6	14.2	
15.6	15.9	15.7	15.5	15.3	14.7	15.4	14.8	16.0	15.5	15.7	14.0	
15.8	16.0	—	15.5	15.8	14.8	15.1	14.9	15.9	15.6	def -	14.4	
15.9	16.3	16.1	15.7	15.0	14.7	15.0	15.1	16.0	14.8	16.2	14.6	
15.6	16.4	16.2	15.6	15.9	14.7	15.5	15.6	15.8	15.5	15.9	14.7	
15.6	16.4	16.2	15.6	15.6	14.8	15.4	15.5	15.9	15.6	16.4	14.7	
15.4	16.3	15.8	15.7	15.9	15.3	15.4	15.7	15.9	15.6	16.0	15.0	
16.4	16.5	16.5	15.7	16.1	15.0	15.2	15.3	16.0	15.4	16.3	15.2	
OK	NG	OK	NG	OK	OK	OK	OK	OK	NG	OK	OK	

1.	2.	3	174	4.	122	175	74	176	145	7.	6	97
< 16.0	16.5	16.2	15.5	14.9	15.7	15.6	15.2	15.3	16.0	15.2	15.7	16.0
14.9	14.9	16.3	14.9	14.8	16.5	15.6	15.5	15.7	16.0	15.7	15.6	16.5
—	16.3	16.4	15.8	15.3	16.5	15.7	15.8	15.5	15.9	15.5	15.6	16.5
—	15.1	16.2	15.1	15.1	16.4	15.7	15.6	15.8	15.8	15.8	15.7	16.3
15.7	16.2	15.9	15.7	15.1	15.9	16.3	15.9	15.6	16.3	16.0	15.6	16.4
—	16.0	16.8	15.2	15.2	15.8	16.2	15.4	15.2	16.3	15.9	15.3	16.4
—	15.3	15.4	15.3	15.1	15.8	15.9	15.5	15.7	15.8	15.6	15.6	16.5
—	16.5	16.5	15.7	15.3	15.9	15.8	15.3	15.7	16.1	15.0	15.6	16.0
—	16.0	16.5	15.2	15.0	16.3	15.3	15.3	15.5	16.0	15.1	15.6	16.0
—	15.4	16.5	15.6	14.8	16.2	15.3	15.9	15.8	15.8	16.0	15.2	16.1
—	15.0	16.2	15.2	15.0	16.2	15.6	15.3	15.7	16.2	15.0	15.2	16.1
15.8	15.9	16.3	15.1	15.1	16.4	15.6	15.4	15.7	16.3	15.7	15.5	16.5
—	15.8	16.3	15.7	15.0	15.9	15.6	15.7	15.5	15.2	15.2	15.5	16.5
—	15.2	16.2	15.5	14.8	15.7	15.4	15.5	15.5	15.8	15.4	15.2	—
—	16.0	—	15.6	14.8	16.2	15.8	15.2	15.9	—	15.0	15.8	—
—	—	—	15.2	14.7	15.9	15.9	15.7	15.9	15.9	16.0	15.5	16.0
15.6	15.7	16.3	15.9	15.3	16.2	15.9	15.6	15.3	15.1	15.7	15.7	15.9
16.4	16.5	16.6	15.8	15.5	16.0	15.7	15.9	15.7	15.9	15.7	15.6	16.3
—	16.2	16.3	15.9	15.2	16.6	15.9	16.0	15.8	15.9	15.8	16.0	16.2
—	16.5	16.7	15.9	16.0	16.6	15.9	16.3	16.3	16.6	15.8	15.9	16.5
OK	OK	OK	OK	OK	OK	OK	OK	var?	var?	OK	OK	OK

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Star? " ?

7A	6A	171	5	123	77	5	171A	144	177	170	99	483	
5.8													
4.6	15.9	15.9	15.8	15.8	15.6	15.9	14.7	14.7	16.0	15.1	16.1	16.0	
5.0	16.2	15.9	15.8	15.6	15.5	15.8	14.8	14.9	15.9	15.0	15.9	16.7	
14.9	15.9	15.6	15.6	15.4	15.7	15.7	14.8	14.8	16.0	15.2	15.9	16.7	
14.9	16.1	15.7	15.9	15.6	15.7	15.9	14.6	14.8	16.1	15.0	15.5	16.8	
15.0	16.4	16.0	15.9	15.7	15.7	16.0	15.2	15.1	16.4	15.5	15.7	17.0	
14.6	16.2	15.7	15.7	15.8	16.0	15.8	14.7	14.8	16.4	15.0	15.7	16.4	
14.9	16.3	15.7	15.9	15.7	15.5	15.7	14.5	14.8	16.3	15.0	15.6	16.0	
14.5	16.0	15.6	15.6	15.2	15.7	15.6	14.6	14.6	15.8	14.8	15.6	16.4	
14.5	16.0	15.7	15.7	15.6	15.6	15.9	14.7	14.7	16.3	15.3	16.1	16.6	
14.4	15.7	15.8	15.5	15.2	15.2	15.6	14.5	14.8	15.7	14.9	15.6	15.4	
14.6	16.0	15.6	15.5	15.7	15.2	15.7	14.4	14.6	15.9	14.7	15.5	16.3	
14.5	16.0	15.7	15.8	15.3	15.0	15.5	14.6	14.5	16.2	14.5	15.5	16.0	
13.9	16.2	15.8	15.6	15.7	15.5	15.7	14.2	14.4	15.8	14.5	15.5	16.5	
14.2	—	15.9	15.8	15.9	15.6	15.7	14.4	14.4	15.9	14.6	15.9	—	
14.3	—	15.7	15.3	16.0	15.2	15.9	14.6	14.7	16.2	14.7	15.9	—	
15.1	16.4	16.0	15.9	15.6	15.5	15.9	14.6	14.7	16.4	14.9	15.9	16.5	
15.0	16.2	16.1	15.9	15.5	15.6	15.9	15.0	14.8	16.4	14.8	15.6	16.4	
14.8	16.3	15.9	15.7	15.6	15.9	15.5	15.0	15.0	16.2	15.5	16.2	16.4	
14.8	16.5	15.8	15.9	15.6	15.7	15.9	14.2	14.9	15.0	16.2	15.9	16.6	
14.9	16.4	16.6	15.9	15.5	15.9	15.9	16.0	14.9	16.5	15.7	16.2	16.6	
OK	rm?	NG		NG	OK	NG	OK	NG	OK	OK	OK	OK	

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	100	101	102	76	75	146	13	78	12	124	103	18	19	
	16.2	15.9	15.9	16.4	16.0	<16.5	15.5	15.9	16.0	15.9	15.2	15.9	15.8	13.8
7	16.4	16.0	15.5	16.9	15.7	16.8	15.8	15.9	15.8	15.9	15.5	16.3	15.8	14.7
7	15.7	16.0	15.7	16.6	15.9	—	15.4	16.0	15.8	16.3	15.4	16.1	15.6	14.7
8	15.9	16.0	15.9	16.4	16.1	—	15.9	16.0	15.9	16.4	15.7	15.9	15.4	14.7
0	16.3	16.4	16.2	16.8	16.1	—	15.7	16.2	16.0	16.6	15.6	15.8	15.6	15.4
4	15.6	16.0	15.7	16.8	15.9	—	15.6	15.5	15.6	15.3	15.4	16.1	15.6	13.9
0	15.6	15.9	15.5	16.5	15.9	—	15.7	15.6	15.7	16.0	15.1	15.9	15.4	14.2
4	16.3	15.6	15.4	16.4	15.8	—	15.4	15.7	15.7	15.9	15.0	15.7	15.5	14.4
6	15.9	15.9	15.7	16.4	15.7	—	15.6	16.0	15.8	16.6	15.1	15.9	15.3	14.5
5.6	16.2	15.3	15.2	16.3	15.4	—	15.4	15.6	15.9	15.4	15.0	15.9	14.9	14.3
3	15.9	15.8	15.6	16.2	15.7	—	15.3	15.6	15.6	16.3	15.3	16.2	15.3	14.3
0	15.7	15.8	15.2	16.3	15.6	—	15.7	15.7	15.6	16.4	14.9	15.6	15.2	13.8
5	16.0	15.7	15.3	16.4	15.6	—	15.8	16.2	15.6	15.6	15.2	15.6	15.6	13.9
—	15.4	15.8	15.6	—	15.8	—	15.3	—	15.7	—	14.9	15.9	15.5	13.9
—	—	15.9	15.8	16.1	15.7	—	15.7	—	15.9	—	14.9	16.1	15.4	14.0
2.5	16.2	16.0	15.6	16.5	16.2	—	15.8	15.9	15.8	16.1	15.3	15.9	15.5	14.5
4	16.0	15.9	15.6	16.6	16.0	—	15.7	15.9	15.7	16.4	14.8	15.6	15.5	14.5
4	16.0	15.7	15.5	16.8	15.9	—	15.8	15.5	16.3	16.5	15.3	16.0	15.0	14.5
6	15.9	15.8	15.8	16.4	15.9	—	15.6	16.1	16.0	16.6	15.5	16.4	15.7	15.1
6	15.9	16.2	15.6	16.8	16.2	—	15.5	16.3	16.2	15.5	15.2	16.3	15.6	14.4
OK	OK	OK	OK	OK	OK		OK	OK	OK	OK	OK	OK	OK	OK

25.4	24	28	27	126	29	16.5	150	186	125	14	106	
60												
5.0	15.1	15.9	15.9	15.9	14.9	15.7	13.7	15.9	15.9	14.5	14.7	15
5.9	15.8	16.4	16.6	15.9	14.9	15.5	14.2	16.1	16.2	15.0	14.5	15
15.6	15.3	16.6	16.6	15.9	14.9	15.5	14.3	15.9	16.2	15.7	14.2	15
16.2	16.0	16.4	16.0	15.7	15.0	15.2	14.2	16.1	16.1	16.0	14.3	15
16.1	16.1	16.6	16.6	16.4	16.5	15.1	15.6	14.5	16.4	16.3	16.0	1
16.0	15.8	16.1	16.1	15.7	14.9	15.4	14.2	15.8	16.2	15.7	14.1	1
16.0	15.9	16.1	16.2	15.6	14.9	15.4	14.4	15.2	15.9	15.2	14.0	1
15.8	16.0	16.0	16.4	16.0	14.8	15.6	14.3	16.1	16.1	14.9	14.2	16
16.2	15.9	16.0	16.3	16.0	15.3	15.7	14.5	16.0	16.3	14.9	14.1	1
15.7	15.6	16.3	16.3	16.0	14.8	15.4	14.3	15.9	16.2	16.0	14.0	15
15.5	15.2	15.8	16.5	15.3	15.0	15.8	14.2	15.4	16.0	14.8	14.2	15
15.6	15.7	15.9	16.2	15.6	14.7	15.3	14.2	15.2	16.3	14.9	14.1	1
15.9	15.6	15.8	16.5	15.8	14.9	15.5	14.5	16.0	16.1	14.5	14.0	1
15.8	15.6	15.8	15.9	15.8	14.7	15.7	14.1	15.7	15.9	15.1	13.9	1
?	—	—	—	15.9	15.1	15.9	14.4	15.7	16.0	15.0	13.9	1
15.9	15.9	15.9	16.0	15.1	15.6	14.3	15.9	16.6	14.9	14.3	1	
15.8	15.7	15.8	16.2	15.9	15.0	15.6	14.2	16.2	16.3	16.2	14.4	1
15.9	15.9	16.1	16.1	15.6	14.8	15.5	14.0	15.8	16.1	15.5	14.3	1
16.2	15.9	16.1	16.0	16.1	15.0	15.8	14.6	15.9	16.0	15.0	14.5	1
15.7	15.7	16.4	15.9	15.7	14.8	15.3	13.8	15.2	15.9	15.4	13.8	1
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	

10	15	16	14.7	14.8	12.7	23	12.9	10.7	22	21	20	12.8
15.9	15.3	15.9	16.2	16.2	16.3	16.5	15.9	15.5	15.9	15.2	15.6	15.6
15.6	15.1	15.5	16.3	15.2	16.6	16.7	15.6	15.9	15.6	15.1	15.4	15.7
15.9	16.2	15.2	15.6	15.9	16.3	16.7	16.8	15.6	15.8	15.6	15.4	15.5
15.9	15.2	15.7	16.3	16.3	16.5	16.7	15.7	15.9	15.9	15.6	15.4	15.9
15.8	15.6	15.7	16.5	16.6	16.6	16.8	15.8	15.9	15.8	15.3	16.3	15.6
15.6	14.8	15.7	16.6	15.9	16.6	16.7	15.7	15.8	15.6	15.4	15.8	15.6
15.6	14.8	15.6	16.0	16.2	16.3	16.5	15.7	16.1	15.6	15.2	15.8	15.7
16.2	15.2	15.6	16.3	16.3	16.4	16.7	15.8	15.6	15.3	15.4	15.8	15.9
15.6	15.2	15.7	16.0	16.4	16.3	16.5	15.8	16.1	15.8	15.5	16.1	15.9
15.3	14.9	15.5	15.9	16.5	16.3	16.4	15.8	15.7	15.6	15.5	15.7	15.9
15.4	14.7	15.2	16.3	16.6	16.5	16.3	15.6	15.8	15.7	15.2	15.6	15.2
15.9	14.8	15.5	16.3	16.4	16.3	16.6	15.7	16.0	15.6	15.4	15.5	15.9
15.7	15.2	15.6	16.2	16.2	16.2	16.7	15.7	15.8	15.7	15.6	15.5	15.6
15.9	15.2	15.8	-	-	-	-	15.9	15.9	15.3	15.3	15.7	15.8
15.9	14.7	15.4	-	15.8	-	-	15.7	15.8	15.9	15.1	15.3	15.9
15.7	15.3	15.7	16.1	16.4	16.5	16.5	15.8	15.7	15.8	15.5	15.4	15.7
15.6	15.0	15.6	15.6	16.0	16.4	16.5	15.7	15.7	15.6	15.3	15.5	15.6
16.0	15.5	15.9	16.2	16.2	16.0	16.4	15.7	15.6	15.6	15.6	15.5	15.7
15.8	15.2	16.0	16.4	16.7	16.4	16.6	15.8	15.7	15.7	15.6	15.6	15.8
15.6	15.2	15.6	16.4	16.5	16.3	16.4	15.7	15.9	15.7	15.4	15.7	15.9
OK	OK	OK	OK	OK	OK	OK	NG	OK	NG	OK	OK	OK

var
to
left
y, star
marked

108	37	36	130	109	166	32	33	34	180	35	83
62											
5.8	15.9	14.9	15.7	15.8	16.1	16.0	14.8	15.9	15.9	15.8	16.3
5.7	16.2	16.3	15.5	15.6	16.2	16.0	15.2	15.6	15.3	15.7	15.7
16.3	16.1	16.2	15.8	16.1	16.4	15.9	15.4	15.6	15.6	15.6	16.1
16.4	15.9	15.8	15.9	15.9	16.3	16.1	15.9	16.3	15.9	15.7	15.8
15.6	15.6	16.0	15.4	15.8	16.5	15.6	15.3	15.6	15.7	15.7	16.7
16.3	15.9	16.1	15.6	16.3	16.4	15.7	15.3	15.3	15.8	15.6	16.2
15.9	16.1	16.0	16.1	16.4	16.4	15.7	15.5	15.7	15.2	15.7	15.6
16.0	15.8	16.3	15.6	15.8	16.5	15.9	15.0	15.8	15.5	15.8	16.1
16.2	15.8	15.7	16.0	15.8	16.4	15.6	14.7	15.3	15.5	15.6	16.0
15.8	16.2	15.3	15.8	15.9	16.4	15.6	16.0	15.9	15.6	15.8	15.4
16.2	15.9	16.1	15.8	16.1	16.4	15.7	15.7	15.7	15.8	15.8	15.6
16.3	16.0	15.8	15.7	15.7	16.3	15.5	15.6	15.6	15.1	15.8	15.9
16.3	15.4	15.3	15.7	16.0	16.2	16.0	14.9	15.4	15.2	15.7	16.4
-	-	15.8	15.8	15.6	-	15.9	14.9	15.8	15.3	15.9	-
15.9	15.9	-	15.9	16.1	-	15.7	15.8	15.7	15.2	15.4	-
15.9	15.8	16.1	15.9	15.9	16.5	15.8	15.3	15.6	15.3	15.7	15.9
16.4	16.0	15.4	15.5	16.0	16.2	15.6	15.8	15.5	15.7	15.7	16.3
15.9	15.5	16.0	15.8	15.9	16.1	15.7	15.4	15.3	15.7	15.8	15.3
16.4	15.2	15.6	15.9	15.7	16.2	16.0	15.2	15.5	15.7	15.8	15.9
16.0	15.4	15.9	15.5	16.1	16.2	15.7	15.2	15.7	15.7	15.7	16.0
OK	OK	OK	OK	OK	NG	vm?	OK	OK	OK	NG	OK

84	26	81	30	162	31	131	152	132	38	181	164
											63
15.6		(X)				(X)	15.9		(X)		
15.6	16.6	15.2	15.8	15.8	15.2	15.2	15.9	16.0	14.7	15.5	16.3
15.1	15.6	15.6	15.9	15.8	avg.	16.1	16.8	16.4	14.9	15.7	16.5
15.5	17.0	15.6	15.8	15.1	15.6	15.6	17.0	15.9	14.8	16.5	16.7
16.0	15.0	15.8	15.9	15.9	16.0	14.8	16.7	16.0	15.2	14.9	15.5
15.8	15.3	15.5	16.1	15.5	15.7	15.7	17.0	15.1	14.9	15.4	16.7
15.2	14.9	15.4	16.0	15.6	15.7	15.6	17.0	15.1	14.8	15.6	16.8
15.6	14.5	15.3	15.9	15.6	15.3	16.0	17.0	15.2	14.7	13.8	14.9
16.1	13.8	15.7	15.6	15.1	15.8	15.9	17.0	15.8	14.8	15.4	16.0
15.9	15.7	15.8	16.2	15.2	16.0	16.3	17.0	16.4	14.9	15.5	16.4
16.3	16.0	15.2	16.0	14.8	15.7	15.7	17.0	16.0	14.6	15.4	16.3
15.9	16.0	15.8	16.0	16.2	15.6	15.6	17.0	15.4	14.8	15.4	16.5
16.0	15.7	15.2	15.9	15.9	15.1	15.8	17.0	16.1	14.7	15.3	16.5
15.8	15.7	15.4	16.0	15.5	14.8	15.8	17.0	15.8	14.7	15.8	16.2
15.9	15.9	15.6	16.0	15.7	15.5	16.4	17.0	15.6	14.8	15.7	16.0
15.9	13.7	14.8	15.7	avg.	15.6	15.5	—	15.9	14.6	15.6	16.1
15.7	14.2	16.0	16.2	15.7	15.5	16.0	—	—	14.6	16.0	—
15.5	14.0	14.7	15.9	16.1	15.6	15.7	—	14.1	14.4	15.7	16.0
15.9	13.9	15.8	16.1	16.0	15.3	15.8	—	15.5	14.5	15.3	16.1
15.9	avg.	15.7	15.9	15.7	14.9	15.4	—	15.9	14.5	15.4	15.9
16.1	14.9	15.9	16.1	15.0	15.6	15.9	—	16.3	14.6	15.2	16.1
OK	13.9	15.7	15.9	15.3	15.7	15.7	—	15.8	14.2	14.1	15.2
OK!		OK	NG	OK	OK	OK	OK	OK	OK	OK	OK
										var.	

15.1	16.1	16.0	8.2	15.3	3.9	19.1	13.3	4.0	4.1	16.3	4.2
64			(X)		(T)	✓	✓		✓	✓	(X)
15.8	15.9	15.6	15.1	15.2	15.1	15.2	15.6	15.7	15.4	16.1	16.2
15.8	16.5	16.3	15.8	15.5	15.6	15.4	15.5	15.7	15.7	15.9	16.2
15.7	16.4	16.3	15.4	15.7	15.4	15.2	15.4	16.1	15.4	16.1	16.3
15.8	16.4	16.3	15.7	15.7	15.5	15.3	15.5	15.7	15.4	16.1	15.7
15.9	16.3	15.8	15.1	15.9	15.7	15.4	15.5	16.2	15.4	16.0	15.9
15.9	16.6	16.4	15.2	15.9	15.7	15.4	15.8	16.3	15.4	16.1	16.4
16.4	16.3	15.8	15.4	15.9	15.8	15.4	15.5	16.1	15.5	15.9	16.4
15.6	<16.6	15.7	15.5	15.7	15.7	15.3	15.6	15.9	15.8	15.9	<16.5
16.2	16.4	15.8	15.8	16.0	15.8	15.4	15.7	15.7	15.8	16.3	15.7
15.4	16.0	my	15.5	15.4	16.0	15.3	15.5	16.2	16.0	16.2	16.1
15.2	16.4	16.2	16.3	15.7	15.5	15.3	15.6	15.4	15.3	15.1	16.0
15.4	16.4	15.9	15.1	15.8	16.0	15.4	15.7	15.8	15.4	16.1	15.9
15.2	<16.5	16.3	15.7	15.8	16.0	15.1	15.3	15.9	15.4	16.2	15.6
15.3	-	-	15.3	15.3	16.1	15.4	<16.2	<16.0	15.6	<16.1	16.0
15.8	16.0	-	15.4	-	-	15.5	15.7	15.8	15.5	15.8	15.8
16.1	16.3	16.1	15.7	16.1	16.0	15.4	15.5	16.4	15.4	16.1	16.2
15.4	16.0	16.2	15.5	15.9	15.8	15.2	15.5	15.6	15.4	16.0	16.7
15.2	16.0	16.0	15.4	15.8	15.3	15.3	15.7	16.0	15.6	15.8	16.5
15.2	16.7	16.3	15.6	15.6	16.0	15.5	15.5	16.2	15.5	16.1	16.1
16.2	16.3	16.2	15.5	15.8	15.9	15.2	15.4	16.1	15.4	16.2	16.2
OK	OK	OK	OK	OK	OK	NO	NO	OK	NO	NO	OK

192	110	85	93	44	173	45	141	140	46	134	43
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	65
15.3	14.5	15.7	15.8	15.7	15.4	15.3	15.5	15.4	15.6	15.3	15.3
15.6	14.0	15.5	16.0	15.8	15.5	15.4	15.6	15.5	15.6	16.0	15.4
15.5	14.4	15.9	15.7	15.6	15.4	15.2	15.7	15.2	15.5	15.4	15.3
15.5	14.1	15.8	15.9	16.0	15.7	15.4	15.5	15.7	15.6	15.8	15.5
15.4	14.0	15.8	15.8	16.2	15.7	15.5	15.7	15.4	15.3	15.5	15.4
15.6	14.1	16.1	16.0	15.8	15.4	15.4	15.5	15.4	15.2	16.0	15.5
15.6	13.9	15.8	15.7	15.9	15.8	15.4	15.6	15.7	15.4	15.9	15.6
15.5	13.9	15.6	15.8	15.7	15.4	15.3	15.5	15.4	15.5	15.5	15.4
15.7	14.0	15.7	15.8	15.9	15.8	15.3	15.5	15.1	15.8	15.7	15.3
15.4	14.6	15.3	15.7	15.9	16.0	15.3	15.6	15.3	15.4	16.0	15.4
15.5	14.2	15.5	16.0	15.8	15.6	15.2	15.3	15.3	15.8	15.3	15.4
15.9	14.0	15.8	15.7	15.8	15.5	15.4	15.3	15.5	15.3	15.9	15.5
15.5	14.4	15.9	15.5	16.0	15.9	15.4	15.4	15.4	15.2	16.1	15.4
15.8	14.6	15.5	16.1	15.8	15.5	15.4	15.4	15.4	15.4	15.9	15.4
15.4	14.0	15.7	15.5	15.5	15.5	15.3	15.3	15.2	15.4	15.4	15.4
15.8	14.5	15.4	15.9	15.7	15.9	15.5	15.4	15.5	15.6	15.5	15.4
15.5	13.8	15.3	15.8	15.9	15.4	15.4	15.5	15.3	15.6	16.0	15.6
15.5	14.7	15.3	15.8	15.7	15.6	15.3	15.5	15.8	15.8	15.8	15.3
15.5	14.4	15.4	16.0	16.0	16.0	15.4	15.2	15.3	15.4	15.9	15.5
15.6	15.1	15.4	16.2	15.8	15.3	15.4	15.5	15.2	15.8	15.5	15.4
NG	OK	OK	OK	NG	OK	NG	NG	OK	OK	OK	NG
			var?					var?			

Pomarine

134A
=139
on A26094

45 66.	183	143	157	153	86	54	52	113	158	51	156
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.6	15.6	15.5	15.2	15.2	15.9	15.6	15.6	15.5	16.1	15.6	15.9
15.7	15.6	15.4	15.8	15.5	15.8	15.6	16.0	15.4	15.3	16.2	15.3
15.1	15.7	15.5	15.6	15.1	15.7	15.9	16.0	15.4	15.5	15.4	15.5
15.7	15.5	15.7	15.3	15.2	15.9	15.5	15.9	15.7	16.0	15.6	15.6
15.3	15.8	15.6	15.1	15.1	15.5	16.0	15.3	15.4	15.8	15.8	15.9
15.2	15.8	15.5	15.4	15.2	15.9	15.9	15.8	15.8	15.7	15.4	15.7
15.5	15.6	15.7	15.5	15.5	15.7	15.9	16.0	15.5	16.1	15.8	15.9
15.4	15.5	15.5	15.8	15.4	15.8	15.5	15.2	15.4	15.9	15.4	15.8
15.6	15.8	16.0	15.7	15.5	15.7	16.0	15.9	15.8	16.2	15.5	15.8
15.2	15.6	15.4	15.5	15.4	16.1	16.0	15.2	15.4	15.6	15.6	15.9
15.5	15.6	15.5	15.6	15.4	15.8	15.9	15.6	15.4	15.3	15.6	15.9
15.5	15.5	15.7	15.2	15.5	16.8	16.0	15.6	15.5	16.0	15.5	15.8
15.3	15.5	15.7	15.9	15.7	16.0	15.7	15.7	15.7	—	15.3	15.6
15.3	15.9	15.5	15.4	15.5	16.0	15.6	15.6	15.4	—	15.5	15.7
15.4	15.5	16.0	15.4	15.3	16.0	15.8	16.1	15.6	16.1	15.9	15.6
15.4	15.5	15.6	15.5	15.4	16.0	15.5	16.0	15.5	15.9	15.5	15.5
15.6	15.6	15.6	15.5	15.5	15.9	16.0	15.7	15.3	16.1	15.6	15.8
15.3	15.7	15.6	15.7	15.5	15.6	15.7	16.0	15.6	15.3	15.6	15.8
15.5	15.6	15.5	15.6	15.4	15.8	15.7	15.8	15.4	15.2	15.7	15.7
15.4	15.5	15.4	15.2	15.4	15.9	16.3	15.9	15.8	16.2	15.5	15.8
OK	NG	NG	OK	NG	NG	NG	OK	NG		NG	NG

many
glitches
renewed

15.8	111	111.2	48	47	50	49	115	116	70	71	118
	✓	✓	⊗	✓	⊗	✓					67
16.1	15.8	15.1	15.9	15.8	15.4	15.8	15.9	15.4	15.9	15.6	15.3
15.4	15.9	15.2	15.8	16.0	15.8	16.0	15.6	15.6	15.9	15.9	15.5
17.0	16.1	15.3	16.0	15.8	15.7	15.7	15.6	15.5	15.7	15.8	15.4
16.0	15.9	15.3	15.9	15.8	15.6	16.1	15.8	16.1	15.8	15.9	15.3
15.9	15.9	15.2	15.7	16.0	15.2	15.9	16.0	15.8	15.9	15.7	15.8
15.8	15.9	15.3	16.5	16.0	15.5	16.1	15.6	15.6	15.9	15.7	15.7
15.9	15.9	15.4	16.8	15.8	15.8	16.0	15.7	15.8	15.7	15.8	15.4
15.8	15.7	15.2	15.4	15.7	15.4	15.8	15.8	15.5	15.8	15.9	15.3
16.2	15.8	15.3	15.8	15.8	15.4	15.9	15.7	15.9	15.5	15.9	15.6
15.9	15.9	15.2	16.1	15.7	15.2	16.0	16.0	15.9	15.4	15.9	15.4
15.8	16.0	15.2	16.0	15.7	15.3	16.0	15.6	15.8	15.9	15.6	15.3
15.3	15.8	15.2	16.2	15.8	15.3	15.8	15.9	15.4	15.9	15.8	15.4
16.2	16.1	15.4	15.4	15.8	15.7	16.1	15.8	15.9	15.7	15.9	15.4
—	15.7	15.3	16.0	15.9	15.3	—	15.8	15.5	—	—	15.3
—	15.5	15.3	16.0	15.4	15.2	15.8	15.4	15.5	—	15.7	15.3
16.1	15.9	15.4	16.1	15.9	15.5	16.1	15.5	15.7	15.8	15.9	15.4
15.8	15.8	15.3	16.1	15.9	15.5	15.9	15.8	15.6	15.8	15.8	15.5
16.3	16.0	15.4	15.9	15.8	15.7	15.9	15.9	15.6	15.8	15.9	15.8
16.5	16.0	15.6	16.2	15.9	15.8	16.0	15.9	15.6	15.9	16.0	15.8
15.3	15.8	15.4	15.6	15.9	15.4	15.9	15.8	15.9	15.8	15.8	15.4
OK	NG	NG	OK	NG	OK	NG	NG	NG	NG	NG	NG

48X
seems
true to
FW

72 68	138	117	119	94	73	95	120	96	155	66
15.9	15.1	16.0	15.4	15.3	16.8	14.8	15.6	14.8	15.2	15.9
15.6	16.0	15.8	15.3	15.3	15.8	15.2	15.8	15.1	15.4	16.3
15.4	14.6	15.5	15.7	15.3	15.8	15.2	15.4	15.1	15.8	16.1
15.6	14.8	15.5	15.6	15.4	16.2	15.5	15.7	15.0	15.4	15.5
15.8	14.6	15.5	15.5	15.1	16.0	15.1	15.9	13.6	16.1	15.6
15.7	15.1	15.8	15.8	15.4	17.2	15.1	15.2	15.1	15.7	15.6
15.4	14.5	15.8	15.8	15.4	16.1	15.5	16.1	15.2	15.8	15.6
15.4	14.6	15.6	15.3	15.3	16.0	15.3	15.8	14.9	15.5	15.7
15.4	15.1	15.6	15.4	15.2	15.7	15.4	16.0	15.1	15.9	15.9
15.3	15.1	15.8	15.2	15.1	15.9	15.3	15.8	15.0	15.3	15.9
15.5	15.0	15.6	15.5	15.2	15.7	15.2	16.0	15.0	16.1	16.2
15.8	15.1	15.7	15.3	15.4	16.0	15.1	15.7	15.2	15.5	16.0
15.6	15.0	15.9	15.7	15.4	15.8	15.4	16.2	15.1	16.0	16.0
15.5	14.5	15.5	15.5	15.4	15.5	15.4	15.4	15.1	15.3	16.0
15.5	15.0	15.5	15.3	15.2	15.7	15.1	15.7	15.0	15.4	15.7
15.6	14.7	15.9	15.4	15.4	16.2	15.3	16.0	15.1	15.5	15.8
15.4	15.0	15.8	15.3	15.4	15.8	15.2	15.9	14.9	15.7	16.0
15.7	14.9	15.6	15.8	15.4	16.0	15.2	15.8	15.1	15.8	15.9
15.8	16.0	16.2	15.4	15.4	15.9	15.4	15.7	15.2	15.8	15.9
15.9	14.8	15.9	15.3	15.0	16.2	15.4	16.1	15.3	15.3	15.8
OK 100%	OK	NG	OK	NG	OK	NG	OK	OK	OK	15.8 NG

	64	63	136	87	56	57	134	89	88	90	184
	15.0	15.5	15.4	14.7	15.4	14.6	15.8	14.6	13.5	14.9	14.9
seg.	14.8	15.4	15.4	14.3	15.4	15.0	15.3	15.8	14.9	14.4	14.5
	14.8	16.0	15.1	14.6	15.3	15.5	def.	14.7	14.8	14.0	14.6
	15.0	16.0	15.5	14.7	15.4	15.2	15.6	15.5	14.3	14.3	14.5
	14.8	16.1	14.9	15.4	def.	14.7	15.3	14.8	14.5	14.5	14.7
	14.8	15.3	15.2	15.6	15.5	15.5	15.8	14.5	14.4	14.3	14.5
	14.9	15.7	15.4	14.9	15.4	15.7	15.7	15.6	14.5	15.0	14.6
	15.1	16.0	15.4	15.6	15.7	15.4	16.0	15.7	15.6	14.7	15.1
	14.8	15.5	15.3	15.8	15.7	15.2	15.9	15.0	14.6	14.4	14.6
	14.9	15.5	15.2	15.0	15.4	15.4	15.8	15.0	15.1	14.4	14.4
	14.8	16.0	15.3	15.7	15.8	15.2	15.4	14.9	13.9	14.3	14.3
	15.0	15.9	15.2	15.7	15.7	15.5	15.6	14.3	14.4	14.0	14.2
	15.1	15.5	15.4	15.4	15.7	14.6	16.0	15.5	15.3	14.0	14.6
	15.2	15.4	15.5	15.4	15.5	15.7	15.5	15.7	15.5	14.0	15.1
	15.1	15.5	15.5	15.7	15.8	15.7	15.7	15.3	15.1	14.0	14.6
	15.1	15.2	15.3	15.4	15.8	15.7	15.6	15.5	14.1	14.2	14.7
	15.1	15.9	15.3	14.6	15.8	16.0	15.7	15.3	15.1	14.3	14.6
	15.0	16.0	15.4	15.3	15.6	15.9	15.5	15.4	15.4	14.4	14.2
	15.1	15.8	15.3	15.5	15.5	15.5	15.9	15.4	15.4	14.5	14.2
	15.2	16.1	15.4	15.7	15.8	15.5	15.6	15.7	15.6	14.2	15.2
	14.9	15.8	14.9	14.6	15.3	15.4	15.9	15.5	15.5	14.6	14.7
	NG	OK	NG	15.5	15.2	15.5	16.0	15.1	13.9	14.5	14.7
				OK	NG	OK	NG	OK	OK	NG	var?

58 7.0	59	60	91	18.5	154.65	67	15.6	55	137	92	
16.1	14.7	15.7	15.6	15.5	15.5	15.8	15.4	15.6	15.9	15.5	15.8
15.0	14.9	14.2	14.6	15.1	14.3	14.5	14.9	14.8	15.7	14.8	14.8
15.5	15.7	15.4	15.4	15.6	16.3	15.6	15.2	15.4	15.5	15.2	15.8
15.7	15.0	14.7	14.6	15.8	15.0	15.5	15.6	15.7	15.8	14.6	15.9
15.8	15.1	15.0	14.8	15.7	16.0	15.7	15.1	14.8	15.7	14.6	16.1
15.9	14.7	15.4	15.4	15.7	16.3	15.8	15.5	15.8	15.1	14.5	16.0
16.2	15.6	14.6	15.2	15.5	15.7	15.7	15.7	15.5	15.3	14.7	15.2
16.4	15.8	15.4	15.3	15.7	16.2	15.4	15.4	15.5	15.3	14.6	16.2
16.6	15.5	15.3	15.3	15.8	16.1	16.0	15.6	15.7	15.6	14.6	15.7
16.2	15.5	15.1	15.4	15.1	15.8	15.6	15.6	16.0	16.1	15.2	14.6
15.8	15.1	15.2	14.7	15.3	15.0	15.4	15.5	15.9	15.6	15.1	15.9
16.0	15.2	14.6	14.8	15.3	16.1	15.7	15.5	15.3	15.9	15.0	15.9
15.7	14.6	14.5	14.8	15.4	16.5	16.0	15.8	15.1	15.5	14.5	14.7
16.3	15.5	14.9	14.7	15.5	16.2	15.4	15.6	15.1	15.3	14.6	14.6
16.4	14.8	15.5	15.0	15.2	15.1	15.8	15.3	14.6	15.0	14.2	16.0
15.8	15.2	15.8	15.3	15.7	15.9	15.7	15.7	15.7	15.8	14.2	15.4
15.9	15.7	15.7	15.3	15.4	16.0	15.9	15.3	15.6	16.1	14.5	14.7
16.2	15.6	15.5	15.2	15.8	15.5	15.9	15.8	15.5	15.7	14.7	15.4
16.5	15.9	15.9	15.3	15.4	16.4	15.4	15.2	15.4	15.5	15.1	16.0
16.3	15.9	14.6	14.5	15.8	15.9	15.9	15.7	15.7	15.9	14.5	15.2
16.2	14.9	15.6	15.3	15.5	15.3	15.6	15.7	14.8	15.5	15.1	15.6
16.7	15.7	15.8	15.6	15.5	16.6	15.7	15.8	15.5	15.2	15.1	15.8
extra OK	extra OK	extra OK	extra OK	OK	OK	var?	OK	OK	OK	OK	OK

continued on p. 91

Re examine thin plates

centered at $5^h 40 - 70.0$

$\frac{3}{4}$ of Bruce plate

positive from #17978

November - December 1954 V.M.K.N.

72

✓FWW p 2-97

15h 40m - 70°

Number

Bright

Faint

120

17998

17978

121

17998

17978

122

17978

17998

123

17998

17978

124

17998

17978

125

17998

17978

126
5 of pair

17998

17978

127

17998

17978

128

17978

17998

129

17998

17978

130

20478

17978

FWW gain 64 See

drawing
where
meas = done p 85

131

20478

17978

132

20478

17978

133

17978

17917

134

17978

17917

135

17917

17978

Number

Bright

Faint

73

136

17917

17978

137

17978

17917

138

17978

17917

139

17978

17917

140

21451

17978

141

21451

17978

142

21451

17978

143

21451

17978

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21451

17978

145

26593

17978

146

26593

17978

147

26593

17978

148

26593

17978

149

26593

17978

74 Number

Bright

Faint

150
cluster

26593

17978

151

26593

17978

152

17978

26593

153

26593

17978

cluster

154

26593

17978

155

26593

17978

156

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26593

17978

159

26593

17978

160

17978

26593

161

26593

17978

162

26593

17978

163

17978

26593

Number

Bright

Faint 75

164

26593

17978

165

17978

24001

166

17978

24001

167

17978

24001

168

17978

24001

169

17978

24001

17978

24001

171

17978

26083

172

26083

17978

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26083

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26083

17978

175

26083


17978

76

Number


Bright

Faint

 176


26083

17978

 177
 cluster


17978

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 178


17978

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 179


26083

17978

 180

26083

17978

 181


26083

17978

 182


26083

17978

 183


26083

17978

 184


26083

17978

 185


26083

17978

 186


26083

17978

 187

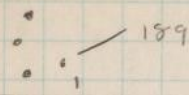
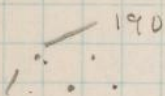
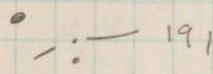
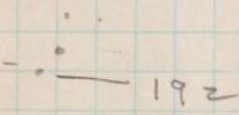
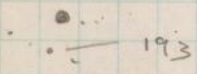
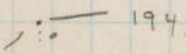
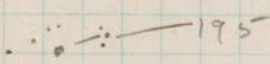
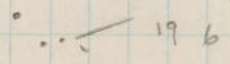

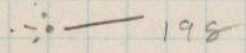
26083

17978

 188

26083

17978

Number	Bright	Faint
 189	26083	17978
 190	26083	17978
 191	26083	17978
 192	26083	17978
 193	26083	17978
 194	17978	26083
 195	26083	17978
 196	26083	17978
 197	17978	26083
 198	17978	26083

	24	25	46	126	47?	168	261	29?	125	167
78	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21451	16.4	15.3	15.3	16.0	15.2	15.1	15.5	15.3	16.2	15.1
17174	15.3	15.5	15.0	15.8	15.1	15.5	16.4	15.0	15.7	15.0
17917	16.4	15.4	15.2	15.9	15.1	15.8	16.5	15.1	16.4	15.2
17978	16.7	16.6	14.8	16.4	14.9	15.2	15.3	14.9	15.6	15.1
17998	16.5	15.4	15.2	16.3	15.1	15.4	16.5	15.1	15.4	15.0
18171	14.8	14.9	15.1	15.7	14.1	15.4	15.2	15.3	15.8	14.9
20478	16.4	16.3	15.3	16.0	15.2	15.1	16.3	15.3	16.1	14.6
21629	15.6	15.2	15.0	16.0	15.0	15.2	15.7	14.7	15.4	14.5
21654	15.5	16.1	14.9	15.8	15.3	15.5	15.6	15.2	15.7	14.9
22987	16.5	15.2	15.5	16.4	14.9	15.2	16.5	15.1	15.7	15.0
23513	15.7	15.6	15.2	15.9	14.9	15.6	16.3	15.2	15.6	15.4
23530	16.8	15.2	15.5	16.5	15.1	15.2	16.3	15.2	16.0	15.3
25159	—	16.7	15.2	16.4	15.1	15.3	15.5	14.7	15.8	15.2
24001	15.9	15.4	15.2	15.8	15.1	15.5	16.0	15.4	16.2	15.0
25114	16.5	16.0	15.5	16.2	15.4	15.2	15.3	15.3	15.9	14.8
25143	16.5	16.5	16.2	16.3	15.0	15.5	16.0	15.0	15.8	14.5
25545	16.5	15.1	15.0	16.3	15.3	14.9	15.5	15.1	16.2	15.0
26083	16.8	16.5	15.2	15.8	15.1	15.5	16.0	15.4	16.0	15.2
26593	16.0	16.1	15.5	15.8	14.8	15.1	16.5	15.1	16.1	14.6
26998	15.2	16.2	15.2							
	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

28	91	27	92	93	50	51	31	32	48	163	33
14.8	14.7	15.6	716.8	15.2	16.4	16.5	15.2	15.6	16.4	16.3	15.4
14.5	15.2	15.9	716.8	15.3	16.5	15.6	15.9	15.6	16.4	16.3	15.6
15.0	15.2	16.0	716.8	14.9	16.6	16.0	15.5	15.7	716.7	15.7	15.7
14.5	14.9	16.1	16.5	15.6	16.4	16.1	15.6	15.7	16.4	15.6	16.6
14.4	14.9	def.	15.0	16.5	15.6	15.5	16.0	16.4	16.1	16.0	
14.9	14.6	15.6	716.8	15.0	16.8	15.5	15.3	16.0	16.8	16.8	15.6
14.4	15.2	15.7	716.8	15.4	16.4	15.6	15.6	15.5	15.9	16.6	15.3
14.8	15.1	15.6	716.8	15.1	16.5	15.7	15.4	15.6	16.2	16.3	14.9
15.1	15.1	15.5	716.8	15.4	16.4	15.5	15.8	15.5	16.3	16.6	15.6
14.7	15.5	15.7	716.8	15.2	16.6	15.6	15.2	15.8	16.4	16.2	15.9
14.9	15.4	15.8	716.8	15.4	16.3	15.9	15.1	15.6	16.2	15.6	16.1
14.4	14.6	15.8	716.8	15.1	16.6	15.8	15.6	15.6	16.4	15.3	15.2
14.6	15.0	15.5		15.3	16.7	16.6	15.2	15.9	—	16.4	16.4
14.3	13.8	15.8		15.2	16.8	15.6	15.4	15.5	16.4	16.8	16.3
14.3	15.0	15.7		15.2	16.5	15.6	16.1	15.6	16.1	15.3	16.2
14.8	15.1	15.6		15.2	16.5	15.6	16.0	15.5	16.8	15.6	16.1
14.5	15.5	15.4		14.6	16.5	15.5	15.6	15.5	16.4	16.6	15.7
14.9	15.3	15.7		14.9	16.4	15.5	15.3	15.5	16.2	16.4	16.3
15.1	15.5	15.5		15.1	16.4	15.6	15.6	15.6	16.0	16.1	16.0
14.4	15.4	16.3		15.3	16.5	15.5	15.4	15.7	15.7	16.4	15.1

OK OK NG NG var^2 NG OK OK NG OK OK OK

marked
on
print 5

marked
incorrectly
in drawing

53	30	94	34	169	170	129	128	127	52	35	54
80											
15.7	-	717.0	15.5	15.4	14.9	16.3	15.3	15.7	16.5	16.7	15.6
15.3	16.5	16.4	16.6	16.4	15.5	15.1	15.5	15.6	15.7	15.7	16.6
16.3	17.0	16.8	16.4	15.1	14.8	15.3	15.4	15.7	16.3	16.6	15.8
15.8	-	16.7	16.4	15.0	14.9	16.4	15.4	15.8	16.5	16.7	15.4
16.3	-	716.8	16.6	15.2	15.1	15.3	16.3	15.8	16.3	16.4	15.7
15.5	-	717.0	16.4	15.2	15.1	15.7	16.4	15.7	15.6	16.4	15.7
15.3	16.6	716.8	15.7	15.2	15.0	16.0	16.5	16.6	15.6	16.5	15.6
15.9	716.8	16.8	15.3	15.1	15.1	15.7	16.3	16.3	15.2	16.4	15.6
15.7	716.8	16.9	16.7	15.3	15.1	16.1	16.2	15.4	15.7	16.4	15.6
15.7	716.8	716.8	16.3	15.1	14.8	15.8	16.3	15.6	15.5	16.5	15.4
15.2	>	7	16.4	15.2	14.9	15.4	15.7	15.7	16.2	16.3	15.4
15.2	7	def.	16.2	15.1	15.6	15.2	15.7	15.5	16.2	16.4	15.3
def.	-	-	16.5	15.2	15.0	15.7	16.3	15.3	16.4	16.4	15.3
15.6	>	7	16.3	15.2	14.7	15.3	15.7	15.6	16.5	16.8	15.3
15.6	>	17.0	15.7	15.0	14.9	15.4	16.4	16.9	16.0	16.7	15.8
15.1	17.0	16.8	16.4	15.2	15.1	15.6	16.0	16.5	16.2	16.4	15.7
15.1	>	7	16.8	15.3	15.0	15.5	16.1	16.0	16.2	16.4	15.5
15.0	>	16.9	15.5	15.2	15.1	15.6	16.4	16.0	16.5	16.8	15.5
15.5	16.8	17.0	16.1	15.3	15.1	15.7	16.4	16.5	16.4	16.5	15.5
15.8	-	16.9	16.5	15.5	14.9	16.4	15.9	16.2	15.7	16.3	15.7
OK	OK	OK	OK	NG	NG	OK	15.8	16.0	16.4	16.4	15.7
		var?									
							OK	OK	OK	NG	NG

36	95	2	162	122	1	161	96	39	40	123	56
15.6	16.5	15.6	16.4	15.2	16.0	15.9	16.0	15.6	15.3	16.2	16.9?
15.1	16.3	15.5	16.6	15.7	15.5	16.0	16.0	16.0	15.5	16.0	16.8
15.1	16.5	15.7	17.0	15.9	15.8	16.6	15.7	15.6	15.6	16.3	7/16.5
15.0	15.6	15.5	16.3	15.6	15.7	16.2	def.	16.1	15.3	16.0	16.3
16.0	16.5	15.6	15.7	16.3	15.8	16.1	15.5	15.7	15.7	15.8	16.8
15.7	15.7	15.6	16.2	15.5	15.3	16.3	16.0	16.0	15.3	16.0	16.9
15.4	16.4	15.5	16.5	15.6	16.0	15.8	16.3	15.8	15.9	16.3	16.9
15.1	15.5	15.3	16.3	15.8	15.7	16.2	16.0	15.8	15.7	16.0	16.8
15.7	16.2	15.5	16.9	15.6	15.9	15.7	15.5	15.8	15.9	16.0	16.9
15.7	15.8	15.6	16.5	15.5	16.2	16.3	16.0	16.1	15.8	16.2	7/17.0
15.3	16.4	15.5	15.4	15.7	15.6	16.5	15.5	15.7	15.8	16.1	16.8
15.1	15.7	15.5	15.3	15.8	16.0	16.2	16.0	15.9	15.9	16.0	16.7
15.6	15.7	15.3	15.8	15.4	15.5	15.5	16.0	15.5	14.9	15.8	7/16.6
15.7	16.6	15.5	16.6	15.7	16.2	15.5	15.8	15.7	15.8	15.9	16.6
15.4	16.3	15.5	16.4	15.8	15.9	16.0	15.6	15.9	15.3	16.3	16.6
15.9	15.7	15.6	16.4	15.7	16.0	16.5	16.3	15.5	15.6	16.1	16.7
15.3	15.9	15.5	15.9	15.5	16.1	16.4	16.4	15.7	16.0	16.3	16.8
15.8	16.4	15.6	16.5	15.6	15.4	16.0	16.4	16.2	16.0	16.2	16.9
15.2	16.2	15.6	15.4	15.5	15.5	15.6	16.0	16.3	15.8	16.3	16.6
15.6	16.3	15.5	16.4	15.6	16.2	16.4	16.2	16.3	15.8	16.1	16.8
OK	OK	NG	OK	vm?	OK	OK	OK	OK	OK	NG	NG

wrong star 2

80	151	84	165	158	41	63	5	N063	N056	57	166
82											
16.0	16.2	16.8	16.3	16.1	16.6	15.0	16.8	15.0	16.3	16.1	15.9
15.9	16.0	16.4	16.1	16.4	15.5	15.2	16.7	15.2	16.0	15.9	15.7
15.8	16.0	16.8	16.0	16.6	16.2	15.5	16.6	15.0	16.0	16.6	15.9
16.0	16.3	16.1	16.2	16.3	15.7	15.0	16.6	14.8	17.0	15.9	15.6
16.3	16.4	16.3	16.2	16.4	16.1	15.0	17.0	14.8	16.0	16.2	15.7
15.8	16.3	15.9	16.2	15.9	15.5	15.0	15.5	15.2	16.2	16.2	15.9
16.2	16.3	16.6	16.3	16.2	16.0	14.8	16.6	14.8	16.0	16.5	15.5
15.7	15.9	16.0	16.2	17.0	15.3	15.0	16.6	15.1	16.2	16.3	15.5
16.0	15.7	16.3	16.4	16.1	16.2	15.2	16.4	15.2	16.0	16.4	15.5
16.0	16.5	17.0	16.2	16.0	16.4	15.0	18.9	15.0	16.0	16.4	15.7
16.2	16.4	16.1	16.2	16.2	16.4	14.9	16.6	15.0	16.2	16.2	15.8
15.8	16.4	17.0	16.3	16.3	15.5	15.1	16.8	15.0	16.2	16.5	15.8
16.0	16.2	16.1	16.3	16.3	15.5	15.0	16.7	14.9	16.2	16.3	15.8
16.0	16.3	16.9	16.1	16.1	16.2	15.1	16.7	15.0	16.0	16.2	16.1
16.1	16.3	16.5	16.3	16.2	16.4	15.0	16.8	15.0	16.1	16.2	15.9
16.2	16.6	16.7	16.3	16.3	16.0	15.1	16.7	15.0	16.3	16.2	15.9
16.2	16.3	16.4	16.4	16.3	16.7	14.8	16.6	15.0	16.3	16.4	16.2
15.8	16.2	16.4	16.3	16.3	15.7	14.8	16.5	14.8	16.3	16.2	16.0
16.2	16.1	16.8	16.4	16.1	16.4	14.5	16.3	14.7	16.3	15.8	15.5
16.0	16.5	16.3	16.3	16.2	16.3	14.6	16.6	14.8	16.1	16.3	16.2

NG

NG

OK

NG

NG

OK

NG

OK?

NG

OK?

OK?

NG

NG

NG

NG

NG

160	3	159	42	6(F)	61	4(F)	58(F)	37	60	59	62	83
17.0:	15.5	15.6	15.0	14.9	16.1	15.3	16.5	15.8	716.9	15.3	16.0(F)	
17.0:	15.5	15.5	15.6	16.4	16.0	15.6	16.0	16.3	716.9	16.7:	16.2	
17.0	15.8	15.8	15.7	16.2	16.1	15.9	16.0	15.9	16.2	16.3	15.6	
717.0	15.6	15.7	15.4	15.6	16.2	16.3	16.3	15.8	16.5	15.3	15.4	
15.7	14.6	15.5	15.6	15.8	16.0	16.4	16.3	16.2	716.9	16.1	15.6	
15.0	15.7	15.7	15.5	16.3	16.0	16.4	15.8	16.2	716.9	16.0	15.3	
16.1	14.4	15.6	15.8	15.5	15.8	15.6	15.8	16.5	16.0	16.3	15.7	
716.9	15.1:	15.6	15.1	15.0	16.0	16.3	16.3	15.3	16.5	16.0	15.9	
716.9	15.6	15.5	15.3	15.7	16.0	16.2	16.3	15.6	16.3	15.9	15.5	
716.9	15.7:	15.5	15.7	16.3	16.3	16.0	15.9	16.1	170:	15.1:	15.9	
>	16.0	15.5	15.6	15.0	16.0	16.0	16.4	16.4	716.9	16.2	16.2	
16.2	15.7	15.7	15.8	15.3	16.3	16.3	16.5	16.9:	716.9	16.3	16.3	
>	15.6	15.5	15.0	15.5	16.3:	16.4	16.3	16.4	716.7	15.4	16.0	
>	15.7	15.5	15.8	16.0	16.4	15.9	15.7	16.2	7	15.8	15.9	
>	15.7:	15.8	15.8	16.4	15.9	15.9	16.0	16.3	16.7	16.3	15.8	
>	14.6	15.7	15.9	16.4	16.3	16.5	16.1	16.5	16.2	15.2	15.0:	
>	15.9	16.0:	15.6	16.3	16.5	16.4	16.3	16.4	16.4	16.3	15.0	
16.9:	15.7	15.0:	14.9	16.1	16.1	16.3	15.7	15.7	16.9:	16.3	16.2	
16.9	14.0:	15.5	15.5	16.0	16.3	16.1	16.3	16.3	>	16.0	14.8	
16.7	14.0:	15.7	15.6	16.3	16.1	16.7:	16.3	>	15.8	16.2		
16.9	15.8	15.6	15.6									
OK	OK	NG	OK	OK	NG	OK	OK	OK	OK	OK	OK	

32	16.4	12.4	5.5	38.3	6.7?	6.8	6.6	11	12	70.3	71
84											
14.3	15.4	16.6	16.5	15.5	14.5	15.2	14.1	15.5	15.4	14.7	16.3
15.8	16.1	16.7	16.6	14.9	14.5	15.0	15.0	15.6	15.1	15.1	16.2
15.1	14.8	17.0	15.1	14.5	14.3	14.6	14.7	15.7	15.9	15.1	16.2
15.4	16.0	16.9	15.9	14.7	14.8	15.3	15.7	15.6	16.0	14.9	16.0
15.4	15.7	14.5	16.3	14.8	14.2	14.9	14.7	14.6	14.8	14.8	15.9
16.3	15.5	16.2	15.7	14.8	14.5	14.9	14.6	14.9	15.5	14.7	16.3
14.2	15.3	16.4	14.9	14.9	14.2	14.9	15.1	16.2	16.1	15.6	16.5
14.3	16.2	16.9	15.8	14.9	14.8	15.0	15.5	15.6	15.3	15.0	16.1
13.8	15.2	16.1	14.5	14.5	14.4	14.7	def.	13.9	15.1	14.8	16.4
14.5	15.2	16.4	16.2	14.8	14.1	14.6	14.7	14.9	16.2	15.5	16.3
14.2	15.8	16.5	16.1	14.8	14.4	15.1	15.1	15.1	16.1	15.7	16.2
14.4	16.2	16.6	15.8	15.6	14.5	15.3	15.1	15.9	15.9	15.0	16.4
14.3	15.6	>	14.9	14.8	14.4	14.9	14.9	16.0	16.0	15.1	16.5
14.0	16.5	14.7	16.6	15.0	14.8	15.5	15.6	15.7	15.5	15.1	16.2
14.2	15.1	16.9	15.9	15.1	14.5	15.2	15.3	16.0	15.7	15.2	16.4
14.2	16.2	16.6	16.2	15.0	14.4	14.7	14.7	15.5	15.4	15.3	16.5
13.8	16.0	16.2	16.3	14.7	14.5	14.8	14.6	15.7	16.3	15.0	16.3
14.3	15.2	16.4	15.7	14.6	14.3	15.3	14.1	15.6	15.6	14.3	16.3
14.3	14.5	16.3	16.2	14.3	14.4	14.4	14.2	14.0	15.5	14.5	16.2
14.5	15.5	16.2	16.0	14.2	14.5	14.5	14.6	15.0	15.0	14.4	16.2
OK	OK		OK	OK	NG	OK	OK	OK	OK	OK	NG

OK

OK

69	97	98	72/9=155	65	131	64	130	8	156	121	85
16.0	13.2	14.4	16.8	15.6	16.1	16.2	16.3	16.4	15.6	15.7	14.9
16.3	14.5	15.2	15.5	15.5	15.9	16.2	16.0	16.3	16.4	16.3	15.7
15.9	13.9	14.4	16.3	15.7	15.3	16.1	16.1	16.4	15.8	16.2	15.7
16.6	13.6	14.3	16.1	14.8	15.3	15.9	15.8	16.4	15.5	16.2	15.4
15.7	14.4	14.8	16.0	15.6	15.5	15.9	16.0	16.1	16.3	def.	15.1
16.1	14.4	14.4	15.9	15.5	15.3	15.7	16.2	16.8	16.3	16.2	15.5
16.6	14.5	14.5	16.3	15.6	15.8	16.1	16.0	16.7	16.6	16.2	15.8
16.0	13.6	14.5	16.5	15.6	15.2	15.6	15.9	16.6	16.5	15.9	15.0
16.8	13.8	14.1	16.3	15.6	15.5	15.7	16.0	15.6	15.7	15.5	15.0
16.4	15.6	15.7	16.5	16.1	15.7	16.1	16.3	15.7	16.6	16.1	15.3
16.3	15.6	15.6	16.7	15.3	15.7	16.3	16.2	16.5	16.4	16.1	15.8
16.6	14.2	14.8	16.4	16.1	15.2	16.3	16.0	16.1	16.4	15.6	14.9
16.8	14.5	14.5	16.4	15.3	15.6	16.0	15.8	16.8	16.8	15.8	15.8
15.8	14.5	14.3	16.4	15.5	15.2	16.3	16.2	16.4	16.7	15.9	15.3
16.8	15.0	14.9	16.3	15.6	16.0	15.9	16.1	17.0	15.9	15.9	14.9
16.4	14.2	14.2	16.4	15.2	15.1	16.0	16.3	16.2	16.5	15.7	14.9
16.5	14.2	14.4	16.4	14.9	15.5	16.2	16.0	16.9	16.2	16.3	15.1
16.3	14.0	14.2	16.3	15.3	15.3	16.0	16.3	16.5	16.2	16.4	16.0
16.1	13.6	14.2	16.4	14.6	15.1	15.7	16.2	16.8	16.3	15.8	14.1
16.1	14.4	14.5	16.4	14.8	15.6	15.9	16.0	16.8	16.0	15.9	15.2
OK	OK	OK	OK	OK	var?	var?	NG	OK	OK	OK	OK
					var?						

154	153	83	13	75	76	16	99	14	148	74	15	19
86												
6.3	15.0	16.1	14.5	15.7	15.8	16.0	14.7	15.5	16.6	16.1	15.4	1
16.3	16.2	16.4	14.0	14.5	14.8	14.9	15.0	15.1	16.4	15.7	14.3	
16.2	16.1	16.0	14.0	15.5	16.0	15.5	14.3	15.1	16.3	16.5	14.5	
16.4	15.9	15.5	14.0	14.7	14.8	15.7	14.8	15.1	16.6	16.7	14.8	
16.4	15.8	16.0	15.1	15.3	16.3	15.3	15.3	15.2	16.9	16.9	15.2	
15.7	16.3	16.1	14.8	14.9	16.0	16.3	15.3	15.3	16.3	16.3	14.7	
15.9	15.1	16.8	15.2	14.4	15.8	15.7	14.7	15.0	15.6	16.7	15.7	
16.1	15.3	15.9	14.5	16.0	15.8	16.2	15.7	14.8	16.7	17.0	14.6	
15.9	15.7	16.8	13.6	15.7	16.1	15.1	14.9	14.7	16.0	16.9	15.2	
16.6	15.8	15.8	14.0	15.5	16.0	16.0	14.5	14.8	15.5	16.9	14.9	
16.0	15.9	16.3	14.1	15.8	15.9	16.4	14.5	14.9	16.3	16.4	15.8	
16.7	15.6	16.4	14.0	14.6	14.8	15.0	14.8	14.7	16.4	15.1	14.7	
16.2	15.7	16.6	14.9	15.8	16.1	16.3	14.8	15.5	16.7	16.8	15.3	
15.7	15.0	16.4	14.0	15.5	15.8	16.0	14.5	14.9	16.1	15.8	15.7	
16.0	15.9	16.5	14.0	14.8	14.8	16.4	14.7	14.8	16.2	15.8	15.5	
16.4	14.6	16.1	14.0	14.5	15.7	16.5	14.7	15.5	16.3	16.0	15.8	
16.2	14.7	16.4	14.7	14.6	15.9	16.2	14.6	15.4	15.9	16.8	15.7	
16.3	15.6	16.3	14.3	15.2	15.6	14.9	15.1	14.8	16.2	15.7	15.2	
15.7	15.1	16.4	14.4	14.5	14.7	16.3	14.6	15.3	16.7	16.3	14.8	
16.2	16.3	16.9	14.2	14.5	15.5	14.8	14.7	15.6	15.1	16.3	14.5	
OK	OK	OK	OK	OK	OK	OK	OK	15.1	15.2	16.0	14.5	

19=157	20	101?	152	18	17	150	149	22	79!	78	77
14.7	16.0	15.1	14.7	15.7	15.7	16.6	16.1	17.1	16.0	15.8	717.0
14.8	16.1	15.3	14.7	15.6	15.5	16.4	16.4	717.0	16.4	15.5	716.9
15.9	16.0	15.3	15.6	16.3	15.7	16.2	16.4	717.0	15.8	15.6	17.0:
15.7	16.2	14.9	16.1	16.5	15.7	16.1	17.0:	717.0	16.3	15.5	717.0
16.2	16.0	15.4	15.1	16.0:	15.6	16.0:	16.9	15.4	16.4	15.3	717.0
15.3	16.2	15.2	16.0	16.2	15.6	16.0	16.4	717.0	16.2	15.1	16.9
16.1	16.1	15.0	15.6	16.4	15.7	16.2	16.0	15.9	15.7	15.3	16.0
15.9	16.1	15.2	15.6	16.1	15.7	16.1	717.0	717.0	16.4	16.0	717.0
15.7	16.2	15.0	15.9	16.6	15.5	16.7	16.9	717.0	16.9	15.1	716.9
16.1	16.2	15.1	15.8	16.9:	15.8	16.4	16.6	16.2	16.3	15.2	16.7
14.6	16.4	15.1	16.1	16.4	15.7	15.7	16.4	16.2	16.1	15.6	16.4
15.6	16.4	15.0	16.0	16.2	16.2	16.2	16.5	15.8	15.6	15.8	16.3
15.2	16.3	15.1	15.9	16.3	15.1	16.2	15.9	16.6	16.0	15.2	16.7
15.6	16.3	15.3	16.0	15.9	15.5	16.0	16.8	717.0	16.3	16.0	def.
15.8	16.3	15.3	16.1	16.4	15.8	15.8	16.6	15.1	16.4	15.9	16.8
16.2	16.4	14.9	15.8	16.0	15.6	16.2	16.3	16.0	16.6	15.2	16.9=
14.7	16.3	14.7	16.1	15.7	15.6	16.3	15.7	15.9	15.9	15.1	16.2
16.3	16.3	15.1	15.2	16.5	15.7	16.3	16.4	717.0	16.5	15.5	16.9
14.7	16.3	16.2	16.0	16.2	15.7	16.1	16.0	717.0	16.5	15.4	16.4
15.7	16.4	16.2	15.3	16.4	15.6	16.3	16.5	717.0	16.4:	15.1	16.5
OK	NG	NG	OK	OK	NG	OK	OK	OK	OK	OK	OK

var?

=277?

146	147	120	45	145	73	23	138	139	198	197	196
88											
5.8	16.8	15.0	16.4	15.7	15.2	16.2	15.5	16.5	15.3	16.2	15.6
15.5	16.4	15.7	16.5	15.2	15.1	15.3	15.5	16.9	15.2	15.7	15.5
16.3	16.4	14.9	16.2	15.7	15.0	16.3	15.1	15.1	15.3	15.8	15.7
16.3	16.4	15.4	16.8	16.1	15.1	15.6	15.5	15.6	15.5	15.8	15.8
15.7	16.0	15.7	16.4	16.3	15.9	15.6	15.2	15.8	14.9	16.0	15.6
16.2	16.2	14.5	16.6	15.8	14.7	16.2	15.2	15.8	15.3	16.3	16.0
16.0	16.1	14.8	16.4	15.3	14.9	15.5	15.0	16.5	15.1	16.0	15.8
16.4	16.3	15.4	16.9	15.8	15.2	16.2	15.7	15.8	15.4	15.8	16.1
15.3	16.7	15.8	17.0	16.0	15.0	16.0	15.0	16.2	15.4	16.2	16.4
14.9	16.2	14.6	16.3	14.5	14.2	15.6	15.2	16.0	15.2	16.2	16.3
15.6	16.3	15.0	def.	15.6	15.0	16.2	15.1	16.2	15.4	16.0	15.9
15.2	16.3	14.7	16.4	15.0	14.5	15.7	16.1	16.5	15.1	16.2	15.8
16.2	16.3	15.9	16.2	16.0	14.5	16.1	15.0	16.9	15.0	16.3	16.5
16.4	16.4	15.5	16.7	15.5	15.1	15.5	16.0	16.2	15.7	16.1	16.0
15.9	16.8	15.0	16.8	16.2	15.7	16.3	15.7	16.2	15.9	16.0	16.1
15.6	16.7	15.1	16.8	16.5	15.2	16.3	16.0	15.7	15.5	16.0	16.0
15.7	16.7	15.3	16.4	15.2	14.5	16.2	15.4	16.1	15.3	16.1	16.2
16.3	16.6	15.5	16.4	15.5	15.3	16.3	16.3	16.4	15.8	16.2	15.7
16.0	15.7	15.5	16.3	15.5	14.8	16.1	15.8	16.7	15.4	16.0	15.8
15.8	16.9	14.2	?	15.9	15.2	16.1	OK	OK	OK	NG	OK
OK	OK	OK	OK	OK	OK	OK					

3-24-55

193	192	144	188	187	143	180	191	190	189	184	183
									=66?		89
15.7	15.9	16.0	16.0	16.7	16.2	16.8	16.2	16.7		15.8	15.2
16.5	16.1	15.5	16.2	16.7	16.6	17.0	16.9	16.9		16.0	15.8
15.8	15.9	16.0	15.7	16.6	16.5	16.9	16.9	16.9		16.0	15.6
16.3	15.7	15.7	15.8	16.8	16.3	17.0	16.3	16.9		15.6	15.4
15.9	15.8	15.6	15.8	16.3	16.2	16.3	16.2	16.4		15.5	15.5
16.5	15.5	16.2	16.2	16.7	16.1	16.8	16.4	14.7		15.9	15.7
15.9	15.8	15.6	15.7	16.2	16.3	16.9	16.6	14.7		16.0	15.8
16.0	15.7	15.6	15.8	16.6	16.1	16.7	16.8	14.4		16.1	15.5
16.2	15.6	15.5	16.0	16.4	15.7	16.9	17.1	14.5		15.8	15.5
16.0	15.7	16.1	15.7	15.7	16.3	16.9	16.8	14.2		15.8	15.1
16.1	15.7	15.9	15.6	16.8	16.7	16.0	16.3	15.4		16.0	15.7
15.7	15.8	16.0	15.6	16.7	16.1	16.2	16.6	16.3		16.0	15.8
16.0	15.9	15.9	15.8	15.9	15.8	16.8	17.0	14.9		15.8	15.6
15.6	15.7	15.6	15.9	16.6	15.8	16.0	16.2	15.5		16.1	15.8
15.6	15.8	15.9	15.9	16.3	16.0	16.2	17.0	15.4		16.2	15.9
16.1	16.0	15.9	16.1	16.6	16.5	16.3	16.8	15.5		16.2	15.7
15.6	15.8	15.8	16.0	16.5	16.0	16.7	16.2	14.5		15.8	15.4
15.6	15.5	16.1	16.3	16.3	16.7	16.4	15.8	14.4		16.3	15.5
16.2	15.7	15.9	16.0	16.5	15.8	16.6	15.6	14.2		15.3	14.8
OK	NG	NG	NG	OK	OK	OK	16.8	14.2		15.9	15.7
						OK	OK			NG	NG

37 90	181	142	185	179	135	134	182	178	141	177	176
5.5	16.2	16.4	16.3	16.5	15.6	15.7	16.0	15.5	15.8	15.6	16.1
15.6	16.3	16.2	16.5	16.6	16.0	16.0	15.9	15.6	16.2	15.5	16.9
16.3	15.7	16.3	16.3	16.8	15.8	16.2	15.9	15.7	15.5	15.8	16.3
16.2	15.9	16.4	16.4	16.3	15.5	16.3	15.8	15.8	16.2	15.8	16.6
16.0	16.0	15.9	16.8	16.6	15.7	15.8	16.0	15.5	15.7	15.9	16.0
15.8	16.3	16.3	16.7	16.8	15.6	16.0	16.3	15.5	15.7	15.8	16.2
16.1	16.5	16.4	16.6	17.2	15.6	16.1	16.3	15.7	15.9	16.1	17.0
16.2	16.6	16.6	16.6	16.9	15.5	16.2	16.5	15.5	16.0	15.9	16.4
16.1	16.5	16.2	16.3	16.7	15.9	16.2	15.7	15.7	16.0	15.6	16.9
15.7	16.3	16.8	17.0	16.4	16.0	15.9	16.4	15.6	15.3	15.8	16.9
16.4	16.2	16.4	16.5	16.8	15.5	15.9	16.2	15.7	15.7	16.1	16.7
16.0	16.0	16.4	16.3	16.2	15.8	16.2	15.8	15.8	16.2	15.7	16.1
16.3	16.5	16.3	16.4	16.0	16.3	16.3	15.4	15.6	15.2	16.3	
15.7	16.4	16.4	16.6	15.8	15.5	16.2	15.6	15.5	15.4	15.3	16.0
16.4	16.6	16.4	16.4	16.7	15.5	16.1	16.2	15.6	15.8	15.4	17.0
16.7	16.6	16.5	16.7	16.7	15.6	16.3	16.4	15.6	16.1	16.0	16.7
16.0	16.4	16.4	16.8	15.8	16.2	16.2	15.9	16.3	15.9	15.9	
16.2	16.4	16.3	16.8	16.7	15.7	16.3	15.7	15.6	16.1	16.1	16.8
16.7	16.2	16.4	16.3	16.9	15.8	16.3	15.8	15.4	16.2	16.3	
16.3	16.1	16.4	16.2	16.3	15.7	16.3	15.9	15.8	16.1	15.9	16.9
OK	OK	NG	var?	16.9	16.0	16.3	16.3	NG	OK	OK	OK
			Var?	NG	NG	OK					

133	174	140	173	175	172	171	136	114	182	68	69
16.9	17.0	16.1	15.9	15.6	13.8	15.8	14.1	16.0	14.3	15.9	16.1
17.0	16.6	16.2	16.3	16.3	14.3	15.2	14.1	15.5	14.2	15.7	15.9
16.8	16.6	16.1	16.4	16.2	14.5	15.8	13.8	16.0	14.7	15.9	15.6
16.8	16.6	16.3	16.3	16.6	14.9	16.2	13.8	15.9	15.0	15.1	15.7
16.9	17.2	16.3	16.4	16.5	14.4	15.7	13.7	15.9	14.8	15.3	15.9
17.0	17.1	16.3	16.2	16.5	14.4	16.2	13.7	15.9	14.3	15.8	15.3
17.0	17.2	15.8	16.7	15.8	14.4	15.9	13.7	15.6	14.5	14.7	15.3
16.6	17.0	16.0	15.9	16.4	13.7	15.9	14.3	16.2	14.0	15.5	15.9
17.0	17.0	16.3	16.4	16.9	14.3	16.1	14.2	16.3	14.6	15.4	15.4
17.0	16.9	16.1	16.5	17.0	14.2	16.0	14.2	16.3	15.1	15.6	16.0
16.8	16.7	16.2	16.0	15.6	14.0	15.7	13.7	15.7	14.6	15.7	15.9
16.7	16.2	16.0	16.3	16.0	13.7	15.7	14.1	15.6	14.7	15.9	15.8
16.9	16.6	15.8	16.2	16.4	14.5	15.3	14.2	15.7	14.3	14.9	15.3
16.9	16.0	15.7	15.9	16.6	14.4	15.8	14.2	15.6	14.4	15.6	15.7
16.9	16.9	16.3	15.9	16.0	14.7	16.2	14.1	15.9	14.8	15.9	15.9
16.9	16.3	16.6	16.5	16.4	13.8	16.3	14.0	15.0	15.3	16.1	
16.9	16.9	16.0	16.4	16.4	13.6	15.7	14.3	16.1	15.2	16.0	15.9
16.9	16.8	15.8	16.5	16.6	14.7	15.8	14.1	15.9	14.2	15.8	16.1
16.9	16.3	16.2	16.3	16.2	13.5	16.9	13.4	15.8	15.5	16.0	16.0
16.9	16.3	16.3	16.4	16.9	14.4	15.4	14.0	16.0	15.2	14.9	16.3
NG	OK	var?	OK	OK	OK	OK	var?	15.9	14.1	15.2	16.5

Continued
from page 70

OK OK OK OK
var?

121 498

92

6,1

15,8

15,4

15,9

15,8

15,8

15,7

15,1

15,8

15,9

15,7

16,0

16,0

14,6

14,5

15,8

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15,6:

15,9

16,0

15,4

15,8

16,2

OK

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