

Emily Hughes Bayce

VSF 361, 524

Received from CPG 9/73

E H Bayce

C 311

1

3152

HLF 361

$$\alpha = 16^h 20^m, \quad \delta = -05^\circ, \quad \lambda = 337^\circ, \quad \beta = +27^\circ$$

CORNERS: $15^h 57^m$ to $16^h 34^m$, $+1^\circ$ to -10.5°

1855 pos.

MF 20312	27900.589	3i	April 7, 1935
20376	24.594	3i	May 1 Images poor
✓ 20394	32.384	3i	9
20501	56.583	3i	June 2
20521	59.336		5
✓ 25	.466	4	5
27	.535	4	5 Sequences marked
29	.600	3i	5
20532	60.235	3i	6
34	.300	3i	6
36	.365	4	6 broken
40	.539	3i	6
20549	61.375	3i	7
✓ 20558	63.482	4	9
← 20568	64.490	4	10
20586	74.311	3i	20
✓ 20612	78.469	3	24
20626	79.451	3i	25
✓ 20684	84.438	4i	30
20691	85.225	3i	July 1
93	.290	3i	1
95	.357	3i	1
98	.455	3i	1
Antarctic 20706	87.243	4	3
08	.308	3i	3
10	.373	4	3 Individual Sequences
✓ 13	.470	4	3

MFent

20720 7988.265

3i

July 4, 1935

22 .330

3i

4

✓ 24 .396

3i

4

26 .497

3i

4

✓ 20775 8006.430

4

22

21547 8260.521

3i

April 1, 1936

21727 8308.535

3i

May 19

21769 15.337

4

26

✓ 21827 35.461

4i

June 15

21876 38.468

3i

18

✓ 21909 42.240

3i

22

22225 95.212

3i

Aug. 14

22248 97.278

3i

16

22281 8400.309

4

19

22354 18.287

3i

Sept. 6 16^h 57^m?

22369 23.258

3i

11

22435 30.229

18

23147 8667.576

3i

May 13, 1937

✓ 23267 91.354

4

June 6

23611 8753.243

24541 8994.486

April 5, 1938

24625 9015.609

26

24667 18.599

29

24835 49.475

May 30

24844 51.301

June 1

46 .366

1

48 .432

1

50 .497

1

52 .562

1

✓ 24858 52.302

2

✓ 65 .532

2

MF

24874	9053.370	June 3, 1938
79	.533	3
24916	71.271	21
✓ 24992	77.254	27
25005	79.240	29
07	.305	29
✓ 09	.370	29
25016	81.288	July 1
25046	83.220	3
25105	9100.386	20
25394	28.281	Aug. 17
✓ 25406	29.283	18
25536	55.224	Sept. 13
26191	9371.407	April 17, 1939
26198	73.412	19
26205	.641	19
26214	74.366	20
22	.631	20
✓ 26230	75.385	21
37	.613	21
26257	80.590	26
26288	82.639	28
26357	97.631	May 13
26369	99.565	15
26376	9401.335	17
81	.530	17
26449	08.371	24
26462	09.338	25
✓ 26482	10.533	26
26508	27.318	June 12

12

A PLATES

18633	8341.454	3+	June 21, 1936 - 15⁰
✓ 19426	8688.524		June 3, 1937
✓ 19459	99.339	3	14
✓ 19515	8712.266	3	27
✓ 19592	40.219	3	July 25
Contract 19601	43.220	3	28
✓ 04	.364	3	28
✓ 19609	44.223	3i	29
✓ 12	.382	3	29
19617	45.224	3i	30
20	.367	3i	30 poor
19628	48.316		Aug. 2
✓ 19637	49.314	3+	3
19639	52.294		fair
✓ 19987	8960.600	3i	March 6, 1938
20116	9018.610		April 29

B 64279 9397.564
64648 9482.342

additional MF

May 13, 1939
Aug. 6, 1939

11589 5363.409

90 443

91 475

92 507

MF PLATES CONT.

✓ 26521	²⁴² 9428 9428.448	June 13, 1939
23	.513	13
26528	29.271	14
31	.370	14
34	.467	14
36	.532	14
26542	31.231	16
45	.332	16
48	.430	16
50	.495	16
26568	33.366	18
71	.464	18
26593	34.462	19
95	.527	19
26600	35.237	20
26619	36.270	21
24	.433	21
26633	37.294	22
26679	54.374	July 9
81	.439	9
26712	62.290	17
26713	63.206	18
15	.271	18
17	.336	18
19	.420	18
26728	64.329	19
26735	65.278	20
36	.343	20
39	.408	20
26748	66.210	21
26809	82.372	Aug. 6

See pg
16.

marked on MF 23267 KNOWN VARIABLES

BD OPH	16 ^h 00 ^m 4 ^s - 6° 26'	12.6 - 15.0	Gruchicko 2, Band 2, 304, 1936
	15.58.04, 39.11.27 18.6	11.5 - 15.0	Long [✓] Beljowski AN 230, 349
AI SER	02.0 - 0 04	11 - 12	Long ^{215.5} Hff. AN 255, 412
BR SCO	07.8 - 10 05	10 - 11	MB ^{ac} 94329 AJC HC 196-11
	05.4 - 9 58.5		HV 3403 (AN 207, 215)
	08.2 - 5 03	11.5	hova ~ isolated in plate July 1, 1953, not others
45.1926 OPH	08.4 - 5 02	11.9 - 13.2	L.P.? AN 228, 330, 332 & Felli 12 poff
BT SCO	08.9 - 8 16	12.7 - 13.7	Cluster Sh. Beljowski AN 280, 349 11
	6.426 8 4.8	12.0 - 13.4	
BE OPH	09.9 - 6 21	12.6 - 14.0	Long ³ 9990 + 231.5 #6
	7.529 13.9	10.2 - 11.4	
SW OPH	11.1 - 6 44	9.2 - 10.0	Ed HSL p = 2.44524. Algot A0 HC 142
SX OPH	12.6 - 6 25	10.6 - 11.3	Algot HSL p = 2.06830 ditto
41.1937	13.2 - 8 39	13.5 - 14.5	Long 8000422
	10.8 32.5		Layton AN 263, 182
X SER	14.1 - 2 15	8.9 - 15.4	hova 1903 LT Anna 206 HSL
	11.7 8.5		HA 84, 198, (AN 235, 297)
W OPH	16.0 - 7 28	9.4 - 14.0	Long p = 331. 23267
V 445 OPH	19.3 - 6 18	10.1 - 11.2	Cl p = 0.397025 (AN 247 283, 135)
	17- 11.5		AN 253, 208
V 413 OPH	19.6 - 10 20	11.8 - 13.6	Cl Hff. AN 236, 235 chad
			Per = 0.35 Kiscintak later AN (244, 97, 1931)
			242.5743 + 0.448 Panvago L.C. + Comp & NNUSTI (9-10, 33-34), p 107, 1931

too far south -

V 4130 PH

Print: 6542.255+0.1 30963 Zisselbach Leningrad Eph 1932
 5743.475+0.30962 Rieger (P's far) AN 247, 326, 1933

8859

var. 107

43.1937

16^h 21^m.3

-9° 32'

14.0 - 15

Luyten

AN 263, 182, 1937

8890

79 42.1937

21.3

-9 36

12.5 - 15.5

"

Long 8350+309

AN 263, 182, 1937

5 649.1936

22.8

-4 01

13.9 - 13.5

14.0

Luyten AN 261, 261, 1936

7 650.1936 var. 16

25.5

-5 18

12

14

Luyten

AN 263, 182, 1937

8922

44.1937

32.3

-4 04

14.0

16.0

Luyten

AN 263, 182, 1937

8923

728.1936 var. 19

32.3

-4 57

13.5

15.5

Luyten

AN 261, 452, 1937

9 v 366 OPH

32.9

-6 54

14.5

16.0

Luyten

AN 238, 333, 1930

7 v 367 OPH

34.4

-5 34

13.0

15.5

Luyten

AN 261, 452, 1937

65 v 502 OPH

35.7

-5 38

12.7

13.8

Luyten

AN 261, 452, 1937

42.1927

35.7

-5 38

12.7

13.8

Luyten

AN 261, 452, 1937

Suspected: 18 Sco 16^h 10^m.1 -8° 06' 5.4-5.9 L or juy.

24 known vars -

Pos. all 1900

Prosser: $\alpha = +2.4$; $\delta = -6.5$

Additional Plates

see page
140

27363 9679.608
 27413 9703.585
 27467 28.522
 27482 29.580
 27496 30.522
~~27534~~
~~27564~~ → 49.540
~~27576~~ → 52.582
 27590 59.439⁴⁰
 27603 60.375
 27617 62.374
 27628 63.374
~~27641~~
~~27664~~ 77.398
 27674 78.399
 27687 79.378⁶⁹
~~27695~~
 27756 87.368
 27785 93.303
 87 3687

Feb. 19, 1940

March 14

Apr. 8

9

10

12, 1940

27809
 27828 June 25
 27838 26
 27848 27
 27853 June 28
 54 28
 55 28
 56 28
 57 28
 58 28
 59 28
 60 28
 61 28
 62 28

98 06.3834

07.3821

08.3821

09.2063

.2389

.2721

.3047

.3372

.3698

.4023

.4342

.4660

.4979

Sequences from star Counts on MF 20710

star	from star Counts	from phys peak	mean adopted	X	Sequences	mean adopted	Sequences
1	11.4	10.9	11.0	a	7.5	7.5	adopted mag.
2	11.6	11.2	11.3	b	8.1	8.1	
3	12.2	11.8	11.9	c	8.4	8.4	
4	13.1	12.5	12.6	d	8.9	8.9	
5	13.6	13.1	13.2	e	9.5	9.5	
6	14.3	13.6	13.8	f	9.8	9.8	
7	14.6	14.1	14.2	g	9.9	9.9	
8	15.0	14.5	14.7	h	10.4	10.4	
9	15.4	15.0	15.2	k	10.7	10.7	
10	15.9	15.3	15.6	l	11.0	11.0	
				m	11.3	11.3	
				n	11.8	11.8	
				p	12.1	12.1	
				o	12.3	12.3	
				q	12.6	12.6	
				r	12.9	12.9	
				s	13.1	13.1	
				t	13.3	13.3	
				u	13.8	13.8	
				w	14.1	14.1	
				x	14.4	14.4	
				y	15.0	15.0	
				z	15.2	15.2	
				aa	15.6	15.6	
				ab	16.6	16.6	
				ac	16.7	16.7	
				ad	16.7	16.7	

18

MF

NEW VARIABLES.

CONTACT	PLATE	NO.	BR.	FT.	TRDIS.	Fig.	
20706 ①	20312 HV10544	1	20706	20312	fr 21827, 23267, 24858 br 20568, 26230	1	2
10528	2	20706	20312	fr 20394, 20525, 20612 br 21769		2	2
	3	20706	20312 ^{NO}	fr 20394, 20525, 20558 br 20775, 19426 ^{26230 A}		3	8
10549	4	20312	20706	br 21769	fr 26230, 26482	4	6
10564	5	20312	20706	br 20394, 20684, 21827 fr 21969, 26230		5	1
15965	6	20312	20706	br 21827, 21769	fr 19601 ^A	6	1
10581	7	20312	20706	br 21827, 19601 ^A	fr 19515 ^A	7	5
10591	8	20706	20312	fr 24858, 24865, 25406 br 20568, 21969		8	4
10584	9	20312	20706	fr 19637, 19987 ^A	br 19601, 19	9	5
10585	10	20706	20312	fr 20394, 21827, 23267 4		10	6
10589	11	20312	20706	br 20724, 21769		11	8
10587	12	20312	20706	br 20394, 23267	fr 19426, 19459 ^A	12	8
	13	20706	20312			13	11
10605	14	20312	20706	br 20724, 24858	fr 19426, 19609 ^A	14	10
10609	15	20706	20312	fr 21827, 23267, 25406 br 20775		15	10

Found AI

2 13.8-15.6 Long 7960+203^d $\left\{ \begin{smallmatrix} 35 \text{ obs} \\ 20 \text{ ep} \end{smallmatrix} \right.$ 16^h 10^m 12^s.4 +0° 28'.5 A 20056

2 13.5-14.7 Cluster^v 16^h 4^m 54^s.0 -2° 52'.4 A 7701

8 ~~prob. var.~~ B E Oph $\left\{ \begin{smallmatrix} 73 \text{ ep} \\ 225 \text{ obs} \end{smallmatrix} \right.$ 12.6 - 116.0 Long 16^h 8^m 33^s.0 -6° 17'.1 A 4417
7990+231.5

6 13.7-15.0 Cluster^v 16^h 12^m 26^s.6 -4° 48'.5 A 7701

1 13.1-13.8 Cluster^v 16^h 16^m 29^s.1 -1° 17'.8 A 7701

1 14.0-14.6 Cluster^v 16^h 16^m 30^s.2 -2° 53'.6 A 7701

5 14.6-15.0 Long ~~Cluster~~ 7900+148^d $\left\{ \begin{smallmatrix} 108 \text{ obs} \\ 29 \text{ ep} \end{smallmatrix} \right.$ 16^h 20^m 50^s.5 -3° 53'.9 A 7701

4 13.0-13.8 ~~Singular or long~~ $\left\{ \begin{smallmatrix} 79 \text{ obs} \\ 12 \text{ ep} \end{smallmatrix} \right.$ 7960+123^d $\left\{ \begin{smallmatrix} 108 \text{ obs} \\ 29 \text{ ep} \end{smallmatrix} \right.$ 16^h 22^m 12^s.5 -3° 53'.9 A 7701

5 14.5-15.1 (Short & ring^v A ~~prob~~ 16^h 21^m 7^s.2 -4° 36'.5 A 7701

6 12.8-13.0 ~~Singular~~ ~~Long or ring~~ 16^h 21^m 10^s.5 -5° 15'.9 A 8776

8 13.1-13.7 eclipsing^v 16^h 21^m 39^s.6 -5° 49'.2 A 8776

8 14.5-15.7 Cluster^v 16^h 21^m 29^s.6 -6° 17'.9 A 8776¹⁹

11 PH no variation -

0 14.0-15.1 Cluster^v 16^h 24^m 49^s.6 -6° 33'.5 A 8776

0 13.3-14.1 Long 7980+265^d $\left\{ \begin{smallmatrix} 63 \text{ ep} \\ 257 \text{ obs} \end{smallmatrix} \right.$ 16^h 25^m 20^s.2 -6° 27'.0 A 8776
max. lasts 140d

		BRIGHT	FAINT		FIGURE
20706	20312	16 20312	20706	bf 20612, 20713, 24858, 1959 ^A / ff 21769	16 7
1 cent.					
HV10601	17	20312	20706	bf 20394, 20555, 21827 / ff 19426, 19459	17 5
10623	18	20312	20706	bf 20394, 21827 + / ff 21769, 19426	18 5
	19	20706	20312	ff 21827, 24858, 24865 / bf 20568, 20775	19 7
HV10639	20	20312	20706		20 9
(2) 20394	21	20706	20394	ff 20612, 20713, 25406 / bf 20775	21 8
HV10517					
10532	22	20394	20706	bf 20525, 21827	22 2
	23	20394	20706		23 2
10543	24	20706	20394	ff 20558, 20612, 20713 + bf 19515, 19957	24 9
10542	25	20394	20706	bf 20525, 24858, 21909 / ff 21769	25 11
10572	26	20394	20706	bf 21827, 21769 / ff 26521	26 10
10620	27	20394	20706	bf 20713, 21827, 23267	27 10
10567	28	20394	20706	bf 19459, 19604 / ff 19601	28 5
10604	29	20394	20706	bf 19512 / ff 19601	29 4
HV10568	30	20706	20394	ff 20525, 20612, 20684 / bf 21909, 26521	30 1

1770 ep
202 obs(1770 ep
202 obs)

7959.600 + 1.11573

Cephid
Cluster~~BD -5° 43' 0"~~~~16^h 23^m 18^s -5° 11.2'~~

A 8776

var. 650.1936 11.2 - 13.0

14.6 - 15.8 Cluster 7960.360 + 0.5995

16^h 23^m 33.5^s -4° 50.7' A 770113.0 - 15.4 Long 7900 + 144.6
randomly mixed 14.016^h 28^m 9.6^s -3° 32.7' A 7891var. 728.1936 12.8 - 15.6
7950 + 471 (double P, 36 ep, 212 obs.)
Long, 16^h 32^m 21.3^s -4° 57.0' A 8776

12.2 - 12.8 Angular

16^h 33^m 21.4^s -6° 18.6' BD -6° 4471 A 8776Refound 2^h 3^h 5^h 10^h 12^h 17^h 18^h 12.9 - 14.1 Cluster
var. 21 → 16^h 1^m 57.5^s -6° 17.7'

A 4417

14.5 - 15.7 Cluster 7960.50 + 0.541

16^h 7^m 20.1^s -2° 50.4' A 7701~~15.1 - 15.6 Cluster: no second may must be defunct~~

14.0 - 15.2 Cluster 7924.600 + 0.481

16^h 10^m 0.4^s -6° 27.9' A 4417

13.2 - 14.7 Cluster 7959.300 + 0.3505

16^h 9^m 36.8^s -9° 32.1' A 20258

14.4 - 15.9 Cluster 7932.400 + 0.405

16^h 19^m 6.4^s -8° 18.1' A 8776

13.9 - 15.3 Cluster 7924.600 + 0.715

16^h 27^m 33.5^s -8° 5.7' A 8776

14.8 - 15.6 Cluster

16^h 17^m 35.2^s -4° 3.2' A 7701

14.9 - 16.0 Cluster 7932.400 + 0.491

16^h 24^m 29.9^s -3° 10.7' A 7891

13.6 - 14.7 Cluster 7924.600 + 0.620

16^h 17^m 37.7^s -0° 34.8' A 20052

1939p

CONTACT	PLATE	EHNO	BRIGHT	FAINT	FIGURE	
20706	20394	31	20394	20706	bT 20724, 21827, 24992	---v31 3
(Comp. 2 cm) HV10595						
10631	32	20394	20706	bT 21827	f 25009	---v32 3
10627	33	20394	20706			---v33 3
10629	34	20394	20706	R	f 23267, 21769 bT 24858, 24865, 2492	---v34 3
10632	35	20706	20394	f 23267		v35 n f - 3
20525	36	20525	20706	Def -		v36 defect? 11 2 3
329 comp HV10531						
	37	20706	20525			---v37 2
10550	38	20525	20706	bT 20724, 23267, 24858	f 19601 ^A	---v38 6
10555	39	20525	20706	bT 19459, 19515	f 19601	---v39 6
40	20525	20706	bT 20558, 24858, 20558	f 21769		---v40
10561	41	20706	20525	16" 16" 16.0 - 0° 39.7		---v41 pete 1
10562	42	20525	20706	bT 24992		---v42 3
10611	43	20525	20706	bT 20558, 20568	f 23267, 24992	---v43 3
10624	44	20706	20525	f 24992		---v44 3
10634	45	20706	20525	f 20612, 20684, 20713+		---v45 10
10641	46	20525	20706	bT 21769		---v46 4

13.9 - 15.3 Cluster 7932.400 + 0.495 $16^h 19^m 44.^s 7$ $-1^\circ 7'.4$ A7701

12.9 - 13.5 Eclipsing? $16^h 30^m 0.^s 4$ $-0^\circ 23'.6$ A7891

14.4 - 15.2 Cluster $16^h 28^m 39.^s 0$ $-1^\circ 21'.5$ A7891

13.0 - 16.0 Long 7930 + 276 $\left\{ \begin{array}{l} 68 \text{ ep} \\ 18 \text{ obs} \end{array} \right.$ $16^h 29^m 37.^s 1$ $-1^\circ 19'.5$ A7891

14.5 - 15.5 Cluster $16^h 30^m 2.^s 0$ $-1^\circ 21'.0$ A7891

11 23^{15} 22^{65} 25^{65} 30^{15} must be defect -

13.2 - 13.8 W Ursing? $16^h 6^m 53.^s 9$ $-2^\circ 51'.2$ A7701

13.4 - 14.4 Cluster 7956.600 + 0.719 $16^h 12^m 31.^s 4$ $-4^\circ 26'.5$ A7701

14.3 - 15.3 Cluster $16^h 15^m 27.^s 8$ $-6^\circ 2'.6$ A4417

X Serpentis - $8.^m 9^d$ max nova - 14.0 - 16.0 - cycles of irregularity at 2^d.

15.0 - 15.6 Star period too close to cluster (14.9) to measure ind. W Ursing? A20056

14.0 - 15.0 Cluster 7956.600 + 0.587 $16^h 20^m 53.^s 7$ $-0^\circ 28'.3$ A20056

≤ 16.0
13.6 - 14.7 Long 7960 + 225 $\left\{ \begin{array}{l} 74 \text{ ep} \\ 113 \text{ obs} \end{array} \right.$ $16^h 26^m 11.^s 2$ $-1^\circ 13'.8$ A7891

$\left\{ \begin{array}{l} 14.0 \\ 13.9 \end{array} \right.$ - 15.5 (Long) ~~Semi-regular~~ ^{semi-regular} _{around 75^d} $16^h 28^m 13.^s 9$ $-0^\circ 2'.4$ A7891

14.2 - 15.8 Cluster 7900.600 + 0.5283 $16^h 30^m 58.^s 7$ $-8^\circ 4'.5$ A8776

13.77 - 14.3 Cluster $16^h 34^m 45.^s 1$ $-1^\circ 54'.2$ A7891

24

CONTACT	PLATE	No.	BRIGHT	FAMT		FIGURE	
20706	20558	47	20706	20558	f 21769	b 26482	11
	10541	48	20706	20558	f 20713, 23267 +	b 19459, 19592	48 9
		49	20706	20558			49
	10557	50	20558	20706	b 20612, 20713, 24864	f 20568	50 5
4 th Camp	10530	51	20558	20706	b 21827		51 2
		52	20706	20558			52 1
		53	20706	20558	f 20612, 20684, 24992		53 3
	10625	54	20558	20706	b 20713, 23267, 21769		54 4
	10626	55	20706	20558	f 24992	b 21909, 26521	55 4
	10630	56	20558	20706	b 21909		56 4
	10628	57	20558	20706	b 19592	f 19601	57 7
	10624	58	20558	20706	b 19426	f 19601	58 10 th 6.7
(5)		2061259	20706	20612	f 26230, 26482	b 21769	59 2
(6)	20684	60	20984	20706			60 5
	10520	61	20706	20684	f 23267, 21769		61 7

3^{hr} 17^{hr} 24^{hr} 40^{hr} 43^{hr} ~~say a survey~~ 13.1-13.8 $16^h 3^m 31.4^s$ $-9^\circ 8'.9$ A4417

13.8-14.8 Cluster 7932.400+0.560 $16^h 9^m 36.3^s$ $-6^\circ 28'.7$ A4417

no variation, I think

12.9-13.5 Cluster: $16^h 15^m 44.1^s$ $-4^\circ 1'.7$ A7701

13.7-~~14.7~~^{15.2} Cluster 7959.600+0.561 $16^h 6^m 3.9^s$ $-0^\circ 38'.2$ A20056

var. ~~probably~~ not real - defect at max.:

var? no variation -

13.5-14.4, Cluster $16^h 28^m 29.8^s$ $-1^\circ 49'.1$ A7891

14.2-15.4 Cluster 7960.300+0.5007 $16^h 28^m 29.7^s$ $-2^\circ 9'.3$ A7891

14.8-15.8 Cluster 7924.550+0.319 $16^h 29^m 46.8^s$ $-2^\circ 10'.9$ A7891

15.3-15.9 Cluster $16^h 28^m 43.5^s$ $-4^\circ 25'.1$ A7891

15.3-16.1 Cluster 7959.460+0.443 $16^h 28^m 7.7^s$ $-5^\circ 18'.1$ A8776^{ns}

2^{hr} 16^{hr} 24^{hr} 30^{hr} 45^{hr} 50^{hr} 53^{hr} 21^{hr} ~~color trouble~~
~~unify~~ prob no var A7701

5^{hr} 30^{hr} 45^{hr} 53^{hr} 14.9-^{15.9}16.0 Cluster 7924.550+0.512 $16^h 2^m 27.7^s$ $-2^\circ 55'.2$ A7701

A

7^{hr} ~~not no var~~ - mass A plates

CONTACT PLATE NO. BRIGHT FAINT
 20706 20713 62 20706 20713
 HV10535

62 FIGURE

(1) 10593 63 20706 20713 f 23267, 25406

64 20706 20713

10596 65 20706 20713 b 19601

f 19459, 19515

10619 66 20706 20713

(6) 20724 67 20724 20706

no variation

10537 68 20724 20706

10617 69 20706 20724 b 19601

f 19604

(9) 21827 70 21827 20706
 HV10521

10536 71 21827 20706

10538 71a 20706 20312

10554 72 20706 21827

found used as comp. K

10595 73 21827 20706 b 19459, 19604

f 19601

10526 74 20706 21827 f 23267

10534 75 21827 20706 b 25406, 21769, f 20775, 24230

10545 76 21827 20706 b 19426, 19604

f 19601

- 17 16^h 21^m 24^s 27^h 45^m 48^s 50^h 54^m 57^s 13.9 $-9^{\circ} 38'.6$
~~14.0~~ 14.5 W no mag 16^h 7^m 48.2 A 20258
- 8 14.8-15.3 Cluster: var super OK 16^h 22^m 23.5 4 -6° 9'.6 A 8776
- 10 15.0-15.5 W no mag Two close to 1st companion ~~Vol.~~ NO var prob A 8776
- 1 14.5^m -15.2^m Cluster - 16^h 22^m 49.5 -2° 50'.2 A 7891
- 3 14.8^b -15.5 Cluster 7924.600 + 0.620 16^h 27^m 12.2 -1° 24'.3 A 7891
- 3 11^h 14^m 24^s 31^h 38^m no variation
- 2 14.5-15.2 Cluster 7959.350 + 0.5383 16^h 8^m 27.6 -2° 5'.2 A 7701
- 1 13.3-14.1 Cl. ^{var} has 1st companion 16^h 26^m 58.9 -6° 12'.5 A 8776
- 2 70 14.6-15.2 Cluster: 16^h 2^m 43.6 -3° 8'.8 A 7701
- 2 A 15^h 12^m 3^s 5^h 6^m 7^h 10^h 15^h 17^h 18^h 19^h 22^h 24^h 26^h 27^h 31^h 32^h 45^h 51^h
- 1 14.5-15.1 Cluster 16^h 8^m 27.6 -0° 28'.6 A 20056
- 3 14.8-15.6 Cluster 7956.600 + 0.601 16^h 8^m 34.5 -0° 34'.0 A 20056
- 1 14.2-14.8 Eclipsing 16^h 14^m 45.1 -2° 4'.2 A 7701
- 5 14.8-16.0 Cluster 7956.500 + 0.657 16^h 22^m 48.4 -4° 7'.8 A 7701
 ~ 7891
- 11 13.0-13.6 Irregular 16^h 3^m 56.3 -8° 31'.1 A 4417
- 11 12.8-14.2 ~~Irregular~~ Red. 16^h 7^m 47.5 -8° 26'.7 A 4417
- 9 14.7-16.0 Cluster 16^h 10^m 52.4 -6° 32'.3 A 4417

CONTACT	DATE	No.	BRIGHT	FAINT	FIGURE
20706	21827	77	21827	20706 BT 23267, 24858, 25406 20506, 20775	-77 11
(9 comp) AV10556		78	21827	20706 BT 21909	-78 11
		79	21827	20706 BT 1876, 23267+	-79 11
10614		80	21827	20706	-80 10
10615		81	21827	20706	-81 9
10621		82	21827	20706	-82 9
		83	21827	20706 BT 25406, 21769, 21909 20775	-83 7
23267 10518		84	23267	20706 BT 24992 14.9 15.0-15.5 ⁻⁶ zeli	-84 8
(10) 10519		85	23267	20706 BT 20506, 26230 21769	-85 8
10553		86	20706	23267 BT 24858, 24865 25009	-86 1
10560		87	23267	20706	-87 double 1
10577		88	23267	20706 BT 24992, 25009, 19924 19601 A	-88 star defect, 25
10599		89	23267	20706 BT 24992, 20775 21769	-89 3
		90	23267	20706 defect -	-90 star, 14
		91	23267	20706	-91

var. 41, 1937[✓] 13.5-14.8
14.7-14.9 long 8000+422^d 16^h 13^m 15^s -8° 34'.5 A 4417

13.8-14.4 ecl[✓]

var 01K 16^h 15^m 28.0^s -8° 53'.4 A 4417

var 42, 1937 12.0-16.0 Long 8350+309^d
51 ep 192 obs. 16^h 21^m 24.5^s -9° 36'.6 A 20258

15.3-15.8 Cluster[✓]

16^h 26^m 31.2^s -6° 23'.1 A 8776

15.3-16.0 Semizyula

16^h 26^m 34.8^s -5° 51'.9 A 8776

15.3-15.8 Eclipsing[✓] var 015

16^h 27^m 39.1^s -6° 32'.2 A 8776

var 36 Topk 8050+268^d
54 ep 171 obs 12.4-16.2 long 16^h 34^m 23.8^s -5° 34'.7 A 8776

W 1st 15th 10th 12th 6th 15th 24th 27th 34th 35th 38th 43th 45th 48th 54th 61th 63th 74th
77th 79th 684 → 16^h 2^m 9.9^s -4° 49'.4

14.3-14.9 Short, ecl[✓]

16^h 2^m 25.9^s -6° 21'.6 A 4417

13.8-14.0 Long 7950+225^d
72 ep 133 obs

16^h 14^m 25.2^s -1° 01'.4 A 7701

15.1-16.0 Cluster 7960.200+0.5564^d

16^h 16^m 10.2^s -2° 7'.6 A 7701

13.8-14.0 SS Cygni 4 max

16^h 19^m 58.2^s -4° 26'.8 A 7701

13.8-14.5 Cluster[✓]

16^h 23^m 23.9^s -0° 51'.3 A 7891

defect -

no variation I think

CONTACT	PLATE	No	BRIGHT	FAINT
20706	23267	92	23267	20706

FIGURE
... defect?

(10) ^{comp} HV10638 93 23267 20706 b524993

10616 94 23267 20706

(11) 24858 ¹⁰⁵⁴⁸ 94a 20706 24858 14.7-15.7 long? 7950+150d 4940 possibly 115000 doublet

24865 95 24865 20706 b520568, 26521

f521769

10539 96 24865

20706 f521909, 19606

f519626, 19459

10547 97 20706

24865

10552 98 20706

24865

f520568

b521769

10569 99 20706

24865

10606 100 20706

24865

b521909, 26521

f521769

10607 101 24865

20706

b525406

10608 102 20706

24865

10636 103 24865

20706

b521769

(13) 24992 ¹⁰⁵²⁹ 104 20706

24992

b526220

f521769

10527 105 24992

20706

b525406, 241769

10574 106 20706

24992

f521769, 206125

defect I think

- 14.5 - 16.6 Cluster 7959.550 + 0.563 $16^h 32^m 53.1 - 3^\circ 14.1$ A 7891
- (22) 94-14.9 - 15.5 W. Wro. May 6 cl $16^h 26^m 36.2 - 7^\circ 49.8$ A 8776
- AI $W 1^h 2^h 3^h 5^h 8^h 10^h 14^h 16^h 18^h 19^h 25^h 27^h 34^h 38^h 40^h 48^h 54^h 77^h 79^h$ A 4417
- 94a $\rightarrow 16^h 11^m 47.4 - 7^\circ 23.2$
- W $1^h 3^h 8^h 10^h 18^h 19^h 21^h 24^h 34^h 48^h 50^h 79^h 86^h$ (14) $12.7-13.7$ Cluster A 4417
- has 95 = B T Sco $16^h 7^m 31.3 - 8^\circ 12.4$
- 12.8 - 13.4 Cluster $16^h 9^m 6.6 - 2^\circ 28.2$ A 7701
- 13.9
4.0 - 14.5 Eclipsing $16^h 11^m 47.3 - 0^\circ 35.6$ A 20056
- 13.4 - 14.2 Cluster $16^h 13^m 29.2 - 1^\circ 4.8$ A 7701
- 13.4 - 14.0 Cluster $16^h 17^m 53.4 - 1^\circ 11.9$ A 7701
- 13.6 - 14.8 Cluster 7900.600 + 0.556 $16^h 24^m 53.6 - 0^\circ 46.7$ A 7891
- 14.2 - 14.9 Eclipsing (mag) $16^h 25^m 1.9 - 2^\circ 20.9$ A 7891
- 12.1 - 12.8 Cl: $16^h 25^m 7.0 - 2^\circ 28.4$ A 7891
- (19) 14.9 - 15.7 Cluster $16^h 31^m 55.1 - 5^\circ 7.9$ A 8776
- 104 13.6 - 14.4 Cluster $16^h 4^m 54.7 - 5^\circ 41.0$
- AI $W 1^h 3^h 11^h 19^h 27^h 30^h 31^h 34^h 42^h 43^h 44^h 45^h 53^h 55^h 84^h 88^h 89^h 93^h$ A 4417
- 14.4 - 15.0 Eclipsing $16^h 4^m 38.4 - 6^\circ 18.3$ A 4417
- 12.1 - 12.9 Cluster $16^h 19^m 41.7 - 10^\circ 18.4$ A 20258

CONTACT	PLATE	No.	BRIGHT	FAINT	FIGURE
20706	24992	107	24992	20706	bs 25005, 25407
13 comp cent. ^{HT 10540}					
		108	24992	20706	var. OK.
		109	24992	20706	prob no variation
25406		110	25406	20706	14.7-15.4 Chester.
14					
10633		111	^{14.7} 25406	^{15.3} 20706	bs 19601 19592
10637		112	25406	20706	bs 21909
10635		113	25406	20706	
10612		114	25406	20706	
21769	20568	115	20568	21769	
15					
10525		116	20568	21769	bs 25009
20775		117	21769	20775	
16					
		a	Star?		bs 19426, 19459, 19609
		b	"		" " " "
21909		118	21909	21769	bs 19601
17					
		119	21909	21769	bs 26482
10640		120	21909	21769	
18					
25009		121	21769	25009	bs 19426, 19487
19					
					bs 19601

~~part~~ var 4 3,1937 13.0-16.0 Long $\left\{ \begin{array}{l} 8000+211^d \\ 74^{\text{ep}} \\ 177^{\text{obs}} \end{array} \right. 16^h 21^m 26^s -9^{\circ} 32.7' A20258$

14.5 = 15.1 ~~Short~~ irregular 16^h 9^m 24.4 -1° 9.8 A20056
~ 7701

(21) ~~Maximum on A plates~~

60^{bt} 1^{bt} 2^{bt} 3^{bt} 8^{bt} 10^{bt} 15^{bt} 18^{bt} 21^{bt} 24^{bt} 31^{bt} 43^{bt} 48^{bt} 53^{bt} 63^{bt} 75^{bt} 77^{bt} 83^{bt} 101^{bt} 105^{bt} 107^{bt} A4417
var. 110 → 16^h 3^m 28.2 -5° 37.0

var. real, small short period - 14.7-15.3 - 16^h 30^m 46.9 -12° 4.7 A7891

13.5-14.5 2 Superirregular: ^{small reg} around 45 16^h 32^m 30.5 -4° 46.5 A7891

14.2-14.8 var ~~OK~~ Short Cl: 16^h 31^m 4.3 -6° 9.8 A7776

14.9 ^{Superirregular} ~~cluster~~ P=114^d almost fits 16^h 26^m 13.1 -7° 28.1 A8776
15.4-16.3 ~~cluster~~ 12^d A4417

AI 1^{bt} 2^{bt} 3^{bt} 4^{bt} 8^{bt} 10^{bt} 15^{bt} 18^{bt} 21^{bt} 24^{bt} 31^{bt} 43^{bt} 48^{bt} 53^{bt} 63^{bt} 75^{bt} 77^{bt}
115 14.5-15.7 Cluster 7959.300 + 0.654 16^h 3^m 29.9 -7° 4.6
14.7-15.3 ecl 16^h 3^m 39.7 -6° 36.5 A4417

15^{bt} 3^{bt} 8^{bt} 9^{bt} 21^{bt} 16^{bt} 19^{bt} 23^{bt} 21^{bt} 75^{bt} 77^{bt} A20056
var. 117 13.0-13.7 ecl 16^h 7^m 22.1 -0° 31.2

W 9^{bt} 8^{bt} 9^{bt} 38^{bt} 56^{bt} 30^{bt} 100^{bt} 8^{bt} 56^{bt} 112^{bt} 83^{bt} 79^{bt} 25^{bt} 78^{bt} 55^{bt} (14) A7701
118 → 14.4-15.5 Cluster 7900.600 + 0.425: 16^h 20^m 54.8 -2° 58.6
no var -

15.0-15.6 Cluster 16^h 33^m 30.6 -1° 36.4

W 8^{bt} 8^{bt} 9^{bt} 2 32^{bt} 34^{bt} 8^{bt} 24^{bt} 48^{bt} 116^{bt} 12.1-12.9 ecl 16^h 16^m 31.6 -3° 51.8 A7701
BO 8^{bt}

CONTACT	PLATE	No	BRIGHT	FAINT	BRIGHT	FAINT	FIGURE
20706	21769	122	21769	20706			122
	HV10551	123	21769	20706	19426	19601	123
	10562	124	21769	20706	19601	19426, 19459	124
	10576	125	21769	20706	19459, 19592	19601, 26230	125
	10590	126	20706	21769			126
21769	26230	127	21769	26230	13.7 14.3 22.1	16 ^h 22 ^m 22.6 - 1° 53' 8"	127 A7701
	10592	128					128
		128	26230	21769			128
26482		129	26482	21769	var pub. 26482 - 11.0		129
	10588	130	21769	26482	1826521		130
	10586	131	26482	21769	1826521		131
26521	No new variables						
20706	27482	"	"	"	"	"	

A 7701

w A 4417

18^{ft} 2^{ft} 3^{ft} 4^{ft} 5^{ft} 34^{ft} 54^{ft} 46^{ft} 100^{ft} 8^{ft} 50^{ft} 75^{ft} 105^{ft} 19^{ft} 83^{ft} 103^{ft} 10^{ft} 61^{ft} 45^{ft} 15^{ft} 47^{ft} 106^{ft}
 11^{ft} 43^{ft} 26^{ft} 77^{ft} 6^{ft} v 122 \rightarrow 14.0 - 15.4 (27) Cluster 16^h 21^m 41^s - 5^h 41^m 14^s
 14.0 - 15.4 Cluster 7960.300 + 0.552 16^h 12^m 46^s - 3^h 46^m 6^s A 7701

14.4 - 15.6 Cluster 7956.600 + 0.4453 16^h 16^m 20^s - 3^h 15^m 0^s A 7701

14.5 - 15.6 Cluster 7959.500 + 0.454 16^h 19^m 44^s - 4^h 38^m 9^s A 7701

13.8 - 14.6 eclipsing - 16^h 21^m 41^s - 8^h 38^m 1^s A 8776
 w 80^{ft} 125^{ft} 196^{ft} 75^{ft} 34^{ft} 8^{ft} 5^{ft} 9^{ft} 5^{ft} 1^{ft} 2^{ft} 10.4^{ft} 4^{ft} 19^{ft} 75^{ft} 24^{ft} 4^{ft} 3^{ft} 3^{ft}
 150^{ft} 19 + 2 A 7701
 no variation -

12.2 - 13.2 eclipsing singular. 16^h 21^m 39^s - 2^h 23^m 4^s A 7701
 w 83^{ft} 14^{ft} 17^{ft} 59^{ft} 3^{ft} 19^{ft} 75^{ft} 119^{ft} 47^{ft} 169^{ft} w 3^{ft} 12^{ft} + 3^{ft} A 20056
 ~ 7001
 ~ 7591

14.2 - 14/8 3 var 015 short 16^h 21^m 15^s - 5^h 44^m 7^s A 8776
 AI w 80^{ft} 89^{ft} 100^{ft} 30^{ft} 5^{ft} 55^{ft} 19^{ft} 59^{ft} 27^{ft} 26^{ft} 75^{ft} 9^{ft} 130^{ft} 131^{ft} 3^{ft}
 155^{ft} (18)

W AI 107^{ft} 86^{ft} 8^{ft} 98^{ft} 2^{ft} 10^{ft} 16^{ft} 53^{ft} 30^{ft} 13^{ft} 39^{ft} 74^{ft} 3^{ft} 48^{ft} 130^{ft}
 15 + 2

A PLATES

A	A	No.	BRIGHT	FAINT	BRIGHT	FAINT	FIGURE
19601	19426	150	19426	19601	19604 26230	21769 <i>Cluster</i>	150 b
	HT10558				7963.500+0.472	$16^h 16^m 31^s -5^{\circ} 4' 8''$	
	10570	151	19601	19426		19592, 19604	151 b
(1)	10571	152	19426	19601			152 b
	10573	153	19426	19601	19459		153 b
	10600?	154	19426	19601	19459		154 8
	10613	155	19426	19601	19459, 19604		155 9
	10618	156	19601	19426			156 7
	19459	157	19601	19459		19515, 19604	157 b
	10563						
(2)	10578	158	19601	19459		19515, 19609	158 b
	10602	159	19459	19609			159 8
	19515	160	19601	19515	<i>Wawa</i>	19987	160
	10559	161	19575	19601	19604, 19609, 19987		161 5
(3)	10580	162	19601	19515		19987	162 b
	163	19601	19515			19609, 19987	163 10
	10598	164	19515	19601	19592, 19987	19612	164 10

Coors

2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 22, 23, 24, 28, 29, 36, 37, 38, 39, 40, 48, 49, 50
 56, 57, 58, 59, 61, 63, 64, 65, 69, 73, 76, 80, 81, 82, 88, 90, 91, 92, 94, 99, 96, 101, 102, 103, 104, 109, 112, 113, 119
 118, 121, 123, 124, 125, 60 + 3? A 7701

8^h 18^m 18^s 123^h 6^m 6^s 124^h 121^h 88^h 58^h 17^h 14^h 12^h 10^h 3^h 76^h 96^h 19^h 16 + 1
 15.0 - 16.2 cluster ✓ 16^h 18^m 7.9 -5° 10.1 A 7701

15.6 - 16.1 short ✓

16^h 18^m 47.9 -5° 51.6

A 87762

15.5 - 16.0 short ✓

16^h 19^m 28.3 -6° 44.4

A 8776?

15.2 - 15.8 cluster ✓

16^h 23^m 31.8 -5° 38.4

A 8776?

14.9 - 15.9 cluster 7932.400 + 0.677 16^h 26^m 16.9 -6° 16.3

A 8776?

14.8 - 15.6 cluster ✓

16^h 27^m 8.4 -4° 41.5

19425

157 → 14.6 - 15.8 cluster 7932.400 + 0.485 16^h 16^m 25.1 -5° 10.2 A 7701

76^h 3^h 48^h 6^h 124^h 28^h 39^h 10^h 153^h 12^h 155^h 154^h 19^h 18^h 17^h 125^h 88^h 118^h 65^h
 73^h 16 + 1 + 3

14.6 - 15.4 cluster 7959.450 + 0.408

16^h 20^m 5.5 -6° 2.6

A 8776?

var ✓ 15.8 - 15.8 eclipsing ✓

16^h 24^m 1.9 -5° 9.3

A 877.6

18^h 19^h 3^h 24^h 39^h 65^h 8^h 118^h 7^h 124^h 96^h
 157^h 158^h

11 + 1 + 2 (4)

no var

14.2 - 15.1 eclipsing ✓

16^h 16^m 5.8 -3° 49.1

A 7701

15.0 - 15.5 eclipsing ✓

16^h 20^m 38.6 -5° 2.5

A 7701

no var

15.3 - 13.8 cluster ✓

16^h 23^m 17.8 -7° 30.9

A 8776

NEW A. PLATE VARIABLES

A. CLUST	A. PLATE	NO.	BRIGHT	FAINT	BRIGHT	FAINT	FIGURE
19601	15515 HV10597	165	19601	19515		19592, 19604	165 10
(3) Cont	10595	166	19601	19515		$16^h 22^m 47^s.8 - 4^{\circ} 0'.8$	166 5
	10603	167	19601	19515		$16^h 24^m 20^s.2 - 3^{\circ} 18'.6$	167 4
	19592 10546	168	19592	19601	15.0-16.0 Cluster		168 9
(4)		169	19592	19601	19637	26482	169 10
	10594	170	19601	19592		19637	170 10
(5)	19604	171	19604	19601	13.6-14.2 Cluster	$16^h 20^m 21^s.0 - 4^{\circ} 47'.6$	171 6
	19609	no new variables					
(6)							
(7)	19612	no new variables					
(8)	19637	no new variables					
(9)	19987 10610	172	19601	19987	13.8-14.6 eclipsing	$16^h 26^m 0^s.6 - 5^{\circ} 3'.4$	172 7 A8776

13.6-14.2 Cluster ✓

 $16^h 23^m 16.^s 9 - 7^\circ 11'.0$

A8776

prob. var. 649.1936 11.7-13.5 ^{7987.40+3.04545658} _{1437 eps 401 obs.} ^{401 obs.} _{401 obs.} A7891

13.8
~~14.0~~ - 14.8 *Disyngula* Red. min *alternata*
^{14.3 + 14.5}

A7891

57^{bt} 65^{ft} 125^{bt} 11^{ft} 69^{ft} 111^{ft} 12^{ft} 48^{bt} 29^{bt} 10+3 (13)
 15.0-16.0 Cluster 151^{ft} 164^{bt} 165^{ft} 168^{bt} $16^h 11^m 28.^s 2 - 6^\circ 10'.6$

A4417

04450ph ✓ Don't measure —

15.1-15.7 Cluster Short ✓

 $16^h 22^m 33.^s 4 - 6^\circ 52'.2$

A8776

65^{ft} 118^{ft} 6^{bt} 124^{ft} 28^{bt} 96^{ft} 73^{bt} 12^{ft} 76^{bt} 9+6 (15)
 161^{bt} 150^{bt} 151^{ft} 157^{ft} 155^{bt} 165^{ft}
 38^{bt} 124^{ft} 96^{ft} 17^{ft} 14^{ft} 48^{bt} 6+3 (9)

A7701

161^{bt} 158^{ft} 163^{bt}
 124^{ft} 118^{ft} 65^{ft} 12^{ft} 17^{ft} 5+2 (7)

162^{ft} 165^{ft}
 65^{ft} 124^{ft} 96^{ft} 50^{bt} 38^{bt} 3^{ft} 9^{ft} 7+3 (10)

65^{ft} 118^{ft} 7^{ft} 124^{ft} 96^{ft} 121^{bt} 50^{bt} 9^{ft} 17^{ft} 16^{bt} 15^{ft} 12^{ft} 24^{bt} Waph^{ft} (4+1+5+1)
 160^{ft} 161^{bt} 162^{ft} 163^{ft} 164^{bt} (21)

A8776

42

		1→13.4 2→14.2	1→13.1 2→13.8	1→14.0 2→14.6 3→14.9 4→15.4 5→15.6	1→14.7 2→15.2 M→14.8	1→14.9 2→15.2 3→15.6 4→16.0	1→14.2 2→14.8 3→15.2	1→13.6 2→14.1 3→14.6	
MF	JD	46	32	44	111	56	155	154	35
20312	79.00589	14.4	12.9	14.4-5	14.9	15.3	15.3	14.9	15.0
20376	24.594	14.2	13.2	14.3-4	15	14.7	15.4	14.9	14.4
394	32.384	14.1	13.1 ^M	14.4-5	14.9	15.3	14.6	14.7	15.4 ^m
501	56.583	13.9	12.9-8	15.0	14.8	15.5	15.4	14.8	15.8
521	59.332	13.5-7	13.1 [✓]	15.1	15.0	15.1	14.6	14.4-3	15.2
5	.462	13.8-9	13.3 ⁴⁵	15.2- ^m	14.8	15.5	14.9	14.5-7	15.4
7	.535	14.5-4	13.4 [✓]	15.2	15.0	15.8	15.3	14.8-7	14.4 [✓]
9	.600	14.0 [✓]	13.6-3	15.0	15	15.2	15.3-4	14.2-4	15.1-2
32	60.235	14.3-2	13.6 [✓]	15.2	14.9	15.2 ⁰	14.9-1	14.9-7	15.4
34	.300	14.1 [✓]	13.3 [✓]	15.0-1	15.0	15.0 [✓]	14.8-4	14.3 [✓]	15.2
36 broken	.365	14.1-2	13.0 [✓]	15.1	14.8	15.3 ⁷	14.9-8	14.0-2	15.4
40	.539	14.1-0	13.5 ⁴⁵	15.2	14.9	15.1 ⁸	15.0-1	14.7 [✓]	14.9-8
549	61.375	14.0	13.0	15.1	14.8-5	15.7	14.9	14.0-1	15.0
558	63.482	13.8	13.2	15.1	14.9	14.9 ^M	15.2-3	14.0 ^M	15.5
568	64.490	—	13.2	15.0	15.1	15.1	15.3	14.4 [✓]	15.8
586	74.34	14.1	13.0	14.5	14.7-8	14.9	14.5	14.7-8	14.7
612	78.469	13.5	13.2	14.5	15.0	14.7	15.4	14.5-4	14.6-7
626	79.451	13.6	13.0	14.4	14.8	15.0	14.9	14.5-4	14.7-5
684	84.438	14.2	13.6	14.4-5	14.8	15.7	15.3	14.5-3	14.5
691	85.225	14.0-1	13.2 ¹	13.9	14.9	15.5	14.9	14.9 ⁹	15.2
93	.290	14.4 [✓]	13.2 ⁰	13.8	14.8	15.7 ⁸	14.1-0	14.2 ³	15.0
95	.357	14.0 [✓]	13.0 [✓]	13.9	15.0	15.8	14.6-7	14.0-2	14.4
98	.455	14.3 ²	13.4 ³	14.2-3	15.0	14.7	15.4	14.4 [✓]	14.8
706	87.243	14.3 [✓]	13.6 ^{5m}	14.2	15.1 ^m	15.8 ^m	14.4 ^M	14.6-5	14.4 ^M
08	.308	14.2 [✓]	13.1 ^I	14.3	14.9	15.5	14.4-5	14.7-8	14.9
10	.373	14.1 ²	12.9 [✓]	14.2-3	14.9	14.4	14.9	14.5-4	15.2
13	.470	14.1 [✓]	13.1 [✓]	14.4	15.0	15.3	15.3	14.0-1 ¹	15.4-5
720	88.265	14.0-2	13.3 [✓]	14.1 [±]	15.0	15.0	13.9	14.3 ⁵	14.5 ⁴⁷
22	.330	14.3 [✓]	13.2 [✓]	14.0	15.0	14.9	14.3	14.5 [✓]	15.4 ²
24	.396	13.7	13.0 [✓]	13.9	15.0	15.1	14.7-6	14.4-5	15.5 ⁴⁶
26	.487	13.9 ⁴	13.3 ⁰	13.8	15.0	15.6	15.6	14.2 [✓]	14.9 ¹⁶
775	8006.430	13.8	13.3	14.4	15.0	15.5	15.0	14.3	14.6

		1→13.0 2→13.3 3→14.1 4→14.6 5→14.9 6→15.6	34	1→14.3 2→14.4 3→15.0	33	1→14.9 2→15.4	66	1→13.6 2→13.9 3→14.4	43	1→13.9 2→14.6	100	1→13.8 2→14.4	89	1→13.7 2→14.2 3→14.7 4→15.1	43	1→14.7 2→14.9 3→15.4 4→15.6	31
203.12	7900	15.8 ⁴		15.2		15.0	40-def?	13.7		14.2		15.0		15.2	15.3		
76	24	13.7		15.2		14.6	14.8-9	14.1-2		14.2		15.3		15.4	15.0		
94	32	13.1 ⁴		14.3 ⁴		15.6	14.7	13.9±.1		13.8-9		15.0		15.0	13.9		
501	56	13.7 ²		15.2		15.3	13.8	14.7		14.2		14.0-13.9		15.0	15.4-5		
21	59.386	13.8		15.3		14.8	13.4	14.8		13.8-7		15.0		15.3-2	15.2		
5	.466	13.9		14.6		15.2	13.7 ⁴	13.7		13.9-14.0		14.1 ⁴		15.2-3	15.5		
7	.535	13.9 ⁸		14.5-6		15.2 ³	13.7	13.6		14.1-2		14.4		15.1	15.2		
9	.600	14.3		15.0-2		15.1	13.4 ⁵	13.8-7		14.1		15.0		15.2±	15.2		
32	60.235	13.9		15.4 ²		15.3	13.6	14.8		14.3		15.0		15.2	14.8		
4	.300	13.9		15.1-3		15.5	13.8 ⁷	14.7		14.2		15.0		15.2	14.8		
6 broken	.365	13.8		15.1 ³		15.3	13.4	14.7		14.2		15.1-0		15.1	15.0		
40	.539	13.8-7		14.6		14.8	13.5-6	14.2		14.0-1		15.0		15.2-1	15.4		
549	61	13.8		15.2-3		15.3	13.4	14.4		14.0-13.9		14.8		15.2	15.5		
58	63	13.9		14.9		15.5	13.6-7	13.7		14.2		15.1 ^{-14.9}		15.4 ^m	15.3		
68	64	14.0		14.5		15.5	13.8	13.6		14.2		15.0		def	15.4		
86	74	14.0		15.2		15.2	13.8	14.8		14.5-6		15.0		15.2	15.5		
612	78	13.9		15.2		14.6	13.9	14.0		14.6		15.0 ¹		15.1-2 ¹⁷	13.8		
26	79	14.0		14.5		15.3	13.9±.1	14.2		14.5-6		14.3-4		15.1	14.0		
84	84	14.3		14.7		15.4	14.1	14.5		14.2		15.0		15.0 ¹⁷	14.0		
91	85.225	14.5		14.8 ^{15.2}		15.3	14.1	14.4		14.3		15.1			15.2		
3	290	14.5		15.3 ⁴		14.4	14.2 ³	14.6		14.3		13.9-8		40	15.3		
5	357	14.3		14.6 ^{15.3}		14.8	14.1	14.8		14.6		14.3		60	14.0		
8	455	14.5		14.2 ¹		15.0	14.2-3	14.7		14.4-3		14.9			14.2		
206	57.243	14.3 ^m		14.9 ^m		14.9-15.0	14.2 ^m	13.8-9		14.1		14.8-9 ^m		15.1-2 ^m	15.2		
8	308	14.5		15.3 ²		15.2	14.4 ²¹	13.4		14.4		14.9			15.1		
10	373	14.4		15.3 [✓]		15.4-5	14.3	13.7		14.4		15.0			13.8-9		
13	470	14.5-6		15.3 [✓]		15.4	14.4	14.4		14.3		15.1			14.5		
720	55.265	14.3		14.6 [✓]		15.2 ³	14.3	14.8		14.2-3		14.4			15.2		
22	330	14.4		14.6 ⁸		15.2 ⁴	14.3	14.3		14.3		14.4			14.1		
24	396	14.4-5		14.9 ^{15.1}		14.7 ^{15.2}	14.3-2	13.3		14.3		14.9			14.0		
26	447	14.3		15.1 ^{15.3}		15.2 ¹	14.4 ³	13.7-8		14.3-2		15.0			14.9		
785	8006	15.5		14.1-2		14.9	14.7 ⁸	14.4		14.7-2		13.8-9		16	15.2		

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		1→13.5 2→13.8 G _m →14.0	1→13.5 2→14.0 3→14.8	1→15.1 2→15.7 complete	1→13.1 2→13.9 3→14.5 4→15.0	1→13.6 2→14.0 3→14.5	1→13.0 2→13.3 3→13.8	1→15.0 2→15.2 3→15.8	1→14.0 2→14.7 re record
MF		99	30	41	86	18	5	87	72
20312	7900	13.54	14.6	15.62	16.0 ^{10K}	13.4	13.1 ^M	15?	14.65
876	24	13.7	13.9	15.52	14.9-8	13.9	13.9	—	14.2
394	32	13.6	14.6 ^m	15.4	14.78	14.1-2	13.54	15.4	14.5
501	56	14.0	14.6	—	14.2	13.5	13.9	—	14.2
521	59,336	13.7	13.6 ⁸	15.5	14.0	13.4 ³	13.5	15.7	14.52
25	.466	13.7	14.2 ¹	15.6 ^m	14.4	14.4	13.6-7	16.0	14.31
27	.535	13.9	14.6 ⁵	15.5	14.0-1	14.0	14.0 ⁸	15.6	14.523
29	.600	14.0-1	14.6 ¹	—	14.3	13.4	13.6	—	14.2-1
532	60,235	13.7	15.0	15?	14.3	14.0	13.0-12.9	15.1	13.9 ¹
84	.300	13.6	14.6 ⁷	15?	14.1	14.0	13.4-5	15.7	14.25
366 ^{broken}	.365	13.9	14.6 ⁷	15.4	14.2	14.1	13.2	15.5	14.125
40	.539	13.4-5	13.6 ⁷	15.3-4	14.3	14.1	13.6-7	15.6	14.2-1
549	61	13.9	14.6	15.5-6	14.1	14.2	13.2	15.8	14.4
558	63	13.9	14.5	15.6	13.9	14.1	13.8	15.1	14.8
568	64	13.7	14.5	15.0	13.7	14.2 ^m	13.5	15.8	14.3
586	74	14.0	14.0-1	15.0-1	13.9	14.1-2	13.8	15.9	14.2
612	78	13.4	14.5	15.3	13.9	14.0	13.5	16.0	14.0
626	79	13.7	14.6 ¹	15.0-1	13.8	13.9	13.5	15.8	14.2
684	84	13.8	14.6	15.0-1	13.7	14.4-3	13.3-1	16.0	14.2
691	85,225	13.4	14.7 ¹	15.5	13.7	14.0	13.7	15.1	14.6 ²⁻³
93	290	13.9	14.5 ¹	15.0	14.2	14.1	13.7	15.3	14.3-2
95	857	13.8	13.5 ⁵⁻⁶	15.4	13.7	14.1-2	13.82	15.7	14.3-2
98	455	3.6	13.8 ¹	15.1	14.0	14.2	13.82	15.9	14.5 ¹
706	87.243	13.4 ^M	13.5 ^M	15.2 ^M	13.7 ^M	13.7 ^M	13.7 ^m	15.9 ^m	14.2 ¹
08	308	13.4	13.9 ¹	15?	13.7	14.1	13.7	15.9	14.45-6
10	373	3.5	14.2 ¹	15.34	14.0-1	14.2	13.3-2	15.9	14.63
13	470	13.4 ¹	14.8 ¹	15.5	14.2	14.2	13.3-2	15.0	14.2-1
720	88,265	13.4	14.6 ¹	15.4	13.8-8	13.9	13.6	15.6	14.1-2
22	330	13.6	14.6 ¹	15.4	13.7	13.9	13.7-6	16.0	14.1-2
24	346	13.6	14.5 ¹	15.2	13.7	14.4	13.7	16.0	14.4-3
26	447	13.8	13.8 ¹	—	14.0	14.2	14.0	—	14.7-9
725	8006	13.6	13.8	15.5	14.5	13.9	13.4	15.2	14.5

1-15.2
2-15.4
3-15.9

	1-14.0 2-14.4 3-14.7	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-14.3 2-14.8 Spot pair m=14.1	1-14.4 2-14.7 3-15.0	1-14.4 2-14.8 3-15.1	1-14.7 2-15.0 3-15.5			
	40	6	1	77	52	108	71	71a	155
7900	15.6	14.0-1	15.2 ^m	14.2	14.8	14.9	14.5	15.5-6	15.0
29	15.4	14.5	14.8±	14.5-6	14.6-7	14.8	14.8	15.4	15.4
32	15.0-1	14.5	14.7-6	14.7-5	14.9	14.8±	15.1	15.4	14.8
56	14.5	14.2	14.1	14.1-2	14.8	14.7	14.5	14.6	16.0
59.336	14.3	14.3	14.1	14.0	14.6	14.5	14.8	15.6	16.0
.466	14.5	14.5-6	13.9-8	14.7-6	14.6	14.76	14.8	15.3-4	15.1-2
.535	14.3	14.1-2	14.1	14.1	14.6	14.6	15.0	15.1	15.1
.600	14.3	14.1	13.8	14.1	14.5	14.6±	14.6	15.0	15.3
60.235	14.7	14.6	14.0-1	14.2	14.6	14.3	15.1	15.2-3	15.4-5
.300	14.3	14.2-3	14.1-2	14.1	14.6	14.5-6	14.9	15.3-4	15.5
.360	14.5	14.1-2	14.0-1	14.1	14.5	14.6	14.8	15.4	15.76
.539	14.5-6	14.5	14.1	14.1-0	14.6	14.6	14.6	15.3-4	15.8-7
61	14.6	14.6	13.9	14.3-4	14.6	14.7	15.0	15.1	15.8-7
63	14.6-7	14.1	13.8	13.8	14.8 ^m	14.7	14.8	15.5	14.9-8
64	14.5-6	14.5	14.0±	14.2 ³		14.7	14.6	15.3	15.7
74	15.1-2	14.0±	13.8	14.1		14.9	14.9	15.6	15.0
78	15.3	14.1	14.0-1	13.9		14.7	14.6	15.6	15.3
79	15.4	14.5	14.2-1	14.0-13.9		14.6	15.1	15.1-2	15.7
84	15.9	14.1	14.1	14.1		14.9	14.9	15.3	15.3
85.225	15.6	13.9	14.1	14.2		15.0	14.9	15.6-7	14.8-4
.290	15.6	14.7±	14.1	14.4		15.0	14.6	15.6	15.3
.357	15.7	14.6-5	14.1-2	14.4-3		14.9	14.9	15.1-2	15.7
.455	15.8	13.9	14.3	14.2-1		15.0	14.9	14.8	15.8
87.243	15.8 ^m	14.6 ^m	14.1 ^m	14.2 ^m -1	14.6 ^m	14.9 ^m	14.9 ^m	14.9-15.0	14.8-9
.308	15.9	14.4±	14.2	14.4		14.8	14.9	15.3	15.3
.373	16.0	14.3	14.2	14.2		14.9	15.0	15.4	15.7
.470	15.8	13.9	13.8	14.0		15.0	14.6	15.4	16.0
88.261	15.8	14.1	14.2	14.2		15.0	15.1-0	15.4	15.7
.330	16.0	14.3	14.2	14.2		15.1	15.1	15.5-4	15.9
.396	15.9	14.6	13.9	14.3		14.9	14.9	14.5	15.8
.497		14.3	14.2	14.1		15.2	15.1	15.3-4	15.7
89006	16.0	14.3	14.4	14.5		15.0	15.1	14.9-15.0	15.3

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1-13.4 2-13.7 3-14.0 4-14.5 5-14.8 6-15.3	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-14.0 2-14.6 3-14.9 4-15.4	1-12.7 2-13.1 3-13.5	1-14.7 2-15.1 3-15.3 4-15.9	1-13.4 2-14.0	1-13.5 2-14.1 3-14.5
MF 51	AI	68	96	22	37	2

20312	7900	115.1	115.1	15.1	12.8	15.5	15.2	13.1	14.4-3
876	24	115.2	15.0	15	13.32	15.5	15.7	13.3	14.3
394	32	115.1	14.3	14.8	13.2	15.10	14.98	13.6	14.3
501	56	115.0	—	15.2	13.0	15.3	15.3	13.8	14.1±.1
521	59,336	15.2	12.6	14.1	12.9	15.4	15.6	13.4	14.4
25	.466	15.32	12.6	15.0-4.9	13.2	15.6	14.5	13.9 ^m	14.7-8
27	.535	14.6	12.6	14.8 ^{5.2}	13.0-12	15.5	15.12	13.2	14.5
29	.600	13.9	12.7	14.9±	13.3	15.3	15.2	13.6	14.4
532	60,235	15.0-14.9	12.7	15.2	13.4	15.5	15.6	13.6	13.4
84	.300	15.0	—	15.2	13.23	15.5	15.6	13.2	13.9
366 ^{burian}	.365	15.12	—	15.1	12.9	15.6	15.7	13.6	14.2
40	.539	15.3	—	14.76	13.2	15.6	14.5	13.5	14.4
549	61	14.6	12.8	15.2	13.4	15.6	15.8	13.4-5	14.0
558	63	13.72 ^M	12.7	15.3	12.9-13.0	15.5	15.6	13.8	13.2
568	64	15.6	12.6-5	15.2	13.3	15.4	15.6	13.3	13.9
586	74	15.0	12.7	15.1	12.8	15.5	15.7	13.6	14.0
612	78	15.4	12.7	15.2	12.9	15.5	15.0	13.2	14.7
626	79	15.3	12.8	15.0-	13.3	15.6	14.5	13.7	14.7
684	84	15.1	13.0	15.3	13.2	15.4	15.0	13.2	13.5-6
691	85,225	15.1	13.0	14.5-4	13.0	15.5	15.8	13.3	14.4-5
93	290	15.4.5	—	14.7	13.3	15.6	15.7	14.0	14.3
95	357	13.6	—	15.0	13.3	15.5	15.7	13.4-5	14.4
98	455	14.2	—	15.4	13.0	15.4	14.5	13.6	14.7
706	97,243	15.0 ^m	13.0 ^m	15.2 ^m	13.2 ^m	15.5 ^m	15.7 ^m	13.2 ^m	13.8 ^m
08	308	15.4	—	14.5	13.4	15.6	15.8	13.2	14.4-3
10	373	15.4	—	14.5	12.9	15.5	15.7	13.2	14.3
13	470	15.3	—	14.8	13.0	15.4	15.7	13.8	14.4
720	88,265	14.4	13.1	15.2	12.8	15.6	15.8	13.5	13.7-8
22	320	14.7	—	15.1	13.0	15.7	15.8	13.2	14.2
24	346	15.0	—	14.4 ^m	13.1	15.6	15.7	13.7-8	14.3
26	497	15.1	—	14.4 [✓]	12.7 ⁴	15.3	15.3	13.8	14.4
725	500.6	15.2	14.3	15.2 ⁺	13.3	15.7	15.8	13.8	14.5-6

	1-14.8 2-15.3 3-15.8 ↑60↑	2-14.3 2-14.7 3-15.4 70	1-13.9 2-14.4 ✓0 60	1-12.5 2-13.1 3-13.9 4-14.4 44.1937	M=14.8 1-14.6 2-15.1 3-15.7 93	1-13.5 2-14.1 3-14.6 4-15.3 18	15-0 1-15.0 2-16.0 90	61 1-15.2 2-15.4 3-15.9 155
7900	15.6-7	15.2	14.1(2)	—	15.5	13.9M	0	15.5-6
24	15.0	14.8-9	14.3	—	15.5	14.3	0	15.4
32	15.6	15.0-1	14.1-2	—	16.0	14.2±		15.4
56	15.3	14.8-9	14.0	—	16.0	14.7-		14.6
59.226	14.9-15.0	15.2	14.1-2	—	16.0	15.2-1	5	15.6
.466	15.16-5	15.0-1	14.1	—	16.2	15.2		15.3-4
.535	15.16	15.0	14.1-2	—	14.5	15.2	5	15.1
.600	—	14.1	14.2	—	15.2-3	15.1		15.0-1
60.235	15.7-9	15.2	14.3-2	—	15.5	15.1-0	0	15.2-3
.300	15.8	14.9	14.2-1	—	16.0	15.2	10	15.3-4
.365	14.8	14.7-9	14.2	—	16.2	15.3	5	15.4
.539	14.8-6	15.3	14.2	—	16.2	15.2-1		15.3-4
61	15.0-14.9	15.3	14.1-0	—	15.6-5	15.2		15.1
63	15.1	14.8-9	14.0	—	14.4	15.2-1		15.5
64	14.9-15.0	15.2-3	14.0	—	16.2	15.1	62	15.3
74	15.6-7	15.2	14.0	—	15.5	15.1	9	15.6
78	16.0	14.9	14.0	—	16.2	15.3	3	15.6
79	15.6	14.9	14.0	—	16.0	15.5	2	15.1-2
84	15.0M	14.9	14.0-1	—	15.5-6	15.3	9	15.3
85.225	15.8-9	15.2-3	14.2-3	—	16.0	15.3		15.6-7
.290	15.9-16.0	15.0-1	14.2	—	16.2	15.2	5	15.6
.357	16.0-5	14.9-9	14.2-3	—	16.2	15.2-1	4	15.1-2
.455	14.9-15.0	15.0	14.0-1	—	14.7	15.3	5	14.8
87.243	15.9M	15.2M	14.1-2	W0	15.2M	15.4M		14.9-15.0
.308	16.0	15.2	14.2	—	15.9	15.3-3		15.3
.673	16.0	15.1	14.1	—	16.2	15.2-1	3	15.4
.470	15.1	15.2	14.0	—	16.2	15.1	2	15.4
98.265	15.9-7	15.2	14.0-1	—	14.5	15.2-1	2-1	15.4
330	16.0-15	15.2	14.1-2	—	15.10	15.1	2	15.3-4
396	15.9	15.1-2	14.0-1	—	16.0	15.2	1	14.5
497	15.0	15.5	—	—	16.2	15.1		15.3-1
8006	14.9	15.0	—	—	16.2	14.9	1-2	14.9-15.0

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		1	1-12.1	1-14.2	1-15.2	1-14.5	1-13.2	1-15.0	9-13.4	1-14.5	1-11.6
		2	2-12.9	2-14.7	2-15.6	2-14.9	2-13.6	2-15.4	2-14.7	2-14.9	2-12.4
					3-15.3	3-14.3	3-16.0	3-15.1	3-15.1	3-15.2	3-13.4
MF			102	101	109	65	8	29	167	7	166
20312	7900	1	12.2	14.6	15.5-6	14.8-9	13.9 ^m	15.4-3	13.8	14.6 ^m	11.8
876	24	1	12.6-7	14.6		15.2	13.3-4	15.1-2	14.1	14.8	11.9
394	32	1	12.7	14.5	15.5	15.1	13.8-7	14.9 ^m	14.3	15.1-0	12.0
501	56	1	12.5	14.4		15.2	13.5-4	15.3	13.7	15.2	12.1
521	59,336		12.4	14.5		14.6	13.4-5	16.0±	13.6-5	16.0	12.1
25	.466		12.4	14.3-4		14.8	13.0	15.2	13.6-7	16.0	12.3
27	.535		12.5	14.1		15.12	13.0	15.5(6)	14.0	16.2	12.3
29	.600		12.3	14.3		14.8	13.0	15.4	13.5	15	12.1
532	60,235		12.3	14.3		15.2	13.0	15.8	13.7	16.3	12.3
84	.300		12.1	14.3		15.3	13.1	15.4	13.9	16.3	12.0
366 ^{broken}	.365		12.2	14.4-5		14.5-6	12.9	14.8	14.9	16.0	12.1
40	.539		12.4	14.52		15.1-0	13.0	15.7	13.7	16.1	12.2
549	61		12.5	14.4		14.6-7	13.0	14.8	13.9	15.9	12.2
558	63		12.5-6	14.5		14.6-7	12.8	15.4	13.8	15.7	12.0
568	64		12.7	14.5		14.4-5	13.0	15.6	13.8	15.7	12.2
586	74		12.2-3	14.5-6		14.5-4	13.4	15.8	13.7	15.7	11.8
612	78		12.7	14.6		14.7-8	13.4	15.9	13.6	15.7-8	12.1
626	79		12.0	14.7		14.5	13.8	15.9	13.7	16.0	11.8
684	84		12.5	14.8		15.4	13.8	14.8	13.7	16.0	12.5
691	85,225		12.3	14.9		15.0	13.8	16.0	14.5	15.4	12.2
93	290		12.7	14.9		15.1	13.8	16.0	14.0-13.9	15.88	12.1
95	357		12.7	14.8		15.3-4	13.9	15.7	14.2-1	15.9	12.1
98	455		12.6	14.9		15.2	13.8	14.9	13.8	15.9	12.2
706	97,243		12.23	14.8 ^m	15.7 ^m	14.6 ^m	13.45	16.1 ^m	14.1	15.6 ^m	12.2
08	308		12.4	14.9		15.0	13.7	15.9	14.9	15.8	12.8
10	373		12.7	14.8		15.4-5	13.6	14.9	14.2	15.6	13.3
13	470		12.6	15.0		15.1-2	13.78	16.15	14.2	15.4	12.6
720	88,265		12.6	14.6		14.5-7	13.7	14.8	14.0	15.0	11.8
22	320		12.6	14.8		15.0-1	13.0	14.8	14.2	15.6	12.0
24	346		12.7	14.8		15.1	13.5	14.9	14.3	15.6	12.1
26	447		12.5	14.5		15.2	13.7	15.9	14.2	15.8	12.2
225	5006		12.6	14.5		15.0-1	13.8	16.0	14.3	15.3	12.0

1939phae proj 2644B

	1-14.6 2-15.0 3-15.3 4-15.8	1-11.6 2-12.4	1-14.7 2-15.1 3-15.6	1-14.6 2-15.0	1-13.6 2-14.4	1-13.4 2-14.4	1-15.1 2-15.4	1-11.7 2-12.0 3-12.6 4-12.9 5-13.2		61 1-15.2 2-15.4 3-15.9
	73	59	17	9	88	171	162	10	71a	155
1900	15.5	12.2	15.0	14.6-5M	no	14.1	15.2	13.0	15.4-6	15.0
24	15.5	12.2-3	15.5	14.5-4	no	14.1	15.2	12.8	15.4	14.8
32	15.5	12.3-2	15.3	14.8	no	14.1	15.2	12.7	15.4	14.8
56	14.9	12.2	15.5-6	14.8±	no	14.4	14.2	15.0	12.23	14.6
59.336	15.6	12.1	15.2	14.9	no	14.1	15.2	12.2	15.6	16.0
.466	15.56	12.3-2	15.5	15.0-1	no	14.1	15.3-2	12.22	15.3-4	15.10
.535	16.0	12.3-4	15.7	15.1	no	14.1	15.2	12.3	15.1	15.1
.600	15.5	12.2	15.7-8	14.9	no	14.1	15.3	12.3	15.0	15.3
60.225	16.0	12.3	16.0	15.1	no	14.2	15.0	12.4	15.2-3	15.45
.300	15.9	12.1	15.8-9	14.9	no	14.2-1	15.3-4	12.3	15.3-4	15.5
.365	15.1	12.1	14.6-5	15.0-49	16.0	14.0	15.0	12.4	15.4	15.76
.539	15.23	12.1	15.0	15.1	no	14.0	15.0	12.45	15.3-4	15.8-7
61	15.6	12.1	15.8	14.9	no	14.1	15.1	12.3	15.1	15.8-7
63	15.6	12.1-2	14.9-8	15.1-2	no	14.1	15.0	12.4	15.5	14.9-8
64	15.1-2	12.0	15.7-8	14.9	no	14.1	15.0	12.4	15.3	15.7
74	14.8	12.1	15.5	14.9-150	no	14.0	15.0	12.3	15.6	15.0
78	15.2	12.3-2	15.5	14.9-8	no	14.0	15.2	12.2	15.6	15.3
79	14.7	12.2	15.9	14.9	no	14.1	15.0	12.3	15.1-2	15.7
84	15.4-5	12.1	14.7-6	14.5	no	14.1	15.1	12.3-2	15.3	15.3
85.225	15.6	12.0-1	15.5-7	14.7	no	13.9	15.3	12.2	15.6-7	14.8-4
.290	15.7	12.0	15.8	14.9	no	14.0	15.4	12.2-1	15.6	15.3
.357	14.7	12.0	15.7	14.9	16.0	14.0	15.0	12.2	15.1-2	15.7
.455	14.9	12.2	15.5	14.9	no	14.1	15.2	12.3	14.8	15.8
87.243	15.6	11.7	15.5	14.9	no	14.2	14.8	11.8	14.9-150	14.8-9
.308	15.2	12.1	14.8	14.8	no	14.0	15.2	12.0-1	15.3	15.3
.373	14.7	12.1	14.5	14.8	no	13.9	15.3	12.2	15.4	15.7
.470	15.3-4	12.0	14.8-150	15.0	no	14.1	14.9	12.2	15.4	16.0
88.265	15.5	12.1	15.9	14.9	no	14.0	14.9	12.0-1	15.4	15.7
.330	15.7	12.0	15.7	14.9	no	14.0	15.2	12.0-1	15.5-4	15.9
.396	15.6-7	12.1	14.8	14.9	no	14.1	14.9	11.9	14.5	15.8
.447	15.9	12.0	15.4	14.9	no	14.2	15.2	12.1	15.3-4	15.7
8006	14.6-7	11.9	14.9	14.4	15.9	14.0	14.9	12.2	14.9-150	15.3

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		1-15.2 2-15.5 3-16.0 4-16.4	1-14.8 2-15.3 3-15.9 4-16.2	1-14.6 2-15.3 3-15.7	1-12.8 2-13.1 3-13.6	1-14.4 2-14.9	1-13.3 2-13.7 3-14.0 4-14.6	1-13.5 2-14.2 3-14.8	1-12.5 2-13.2 3-13.9	
MF		151	157	150	28	50	161	138	4	45.1426
20312	7900	15.7	15.7	16.0	15.45	13.5	14.7	13.6	14.0 ^M	13.21
876	24	14.8	15.2	—	15.5	13.5	14.78	14.3	14.9	13.0
394	32	16.0	14.6	15.7	14.8 ^M	13.3	14.8	13.9	14.6	13.1
501	56	15.5	—	—	15.3	13.3	15.0	13.5	14.6	13.0
521	59,336	15.7	16.0	15.89	14.78	13.8	15.1-2	14.7	14.6	13.1
25	.466	16.1	15.5	15.9	15.5	13.0	15.1	13.4 ^M	15.0	13.0
27	.535	16.1	15.1	16.0	15.4	12.9	14.8	13.56	15.0	13.1
29	.600	15.8	14.9	15.1	15.3	12.9	14.8	13.9	14.0 ^{13.6-7}	13.0
532	60,235	15.8	15.7	15.4	15.9	13.0	15.0	13.8	13.5	13.0
84	.300	15.78	15.7	15.8	15.9	13.3	15.1	13.8	13.7	13.2
366 ^{broken}	.365	16.3-2	15.7	15.8	15.9	13.5	14.7	13.8	14.0	13.0
40	.539	15.3	14.8	16.0	15.9	13.7	15.2	14.4	14.6	13.0
549	61	16.0	15.7	16.0	15.5	13.4 ^M	15.0-1	14.2	13.7	12.9
558	63	16.0	14.8	15.0	15.7	13.0-12.9	14.5-6	14.4	14.6	13.0
568	64	15.9	15.2-1	15.7	15.6	13.5	15.2	13.6	14.0 ^{13.1}	13.0
586	74	15.0	15.4	14.9	15.3	13.3	15.2	14.3	15.0	13.1
612	78	15.2	14.6 ⁶²	15.9	15.2	13.0	14.76	14.2	14.6	13.1
626	79	15.3-4	14.6 ⁶²	16.1	15.0-1	13.0	14.8	14.4	14.7	13.2
684	84	15.4	15.5	16.0	15.7	13.5-4	14.76	14.2	14.4	13.3
691	85,225	15.7	15.0	15.1	15.6	12.7	15.0	14.6	14.3 ⁶	13.0
93	290	15.43	14.7	15.87	15.7	13.0	14.8	13.9	14.3 ⁴	13.1
95	357	15.3	15.21	15.98	15.6	13.0	14.8	13.45	14.4 ⁴	13.0
98	455	15.5	15.3	16.0	15.6	13.2	15.2	13.4	14.4 ⁸	13.0
706	97,243	15.7	14.6	15.7-8	15.6 ^m	13.3 ^m	15.2	14.2 ^m	14.7	13.3
08	308	15.4	15.2	16.1 ¹⁰	15.7	13.5	14.7	13.9 ⁴	15.0	13.1
10	373	15.8	15.5	16.0	15.5	13.5	15.2	14.4 ⁴	14.4	13.0
13	470	16.1	15.8	16.0	15.8	12.9	14.6	13.3 ⁴	13.7	12.9
720	88,265	15.7 ²	15.2	16.0	15.7	13.5	14.6	13.2	14.4	13.2
22	320	16.1	15.5	16.1	15.45	13.5	15.0	13.1	14.4	13.0
24	346	16.2	16.0	16.2	16.0	13.5	14.7	13.8	14.6	13.0
26	497	15.4	16.1	14.9	15.3	13.5	14.8	14.2	14.6	13.0
225	5006	15.0	15.5	15.0	15.9	13.3	15.1	13.9	14.0	13.0

This is the correct
position by
chart

		1-14.9 2-15.3 3-15.6 4-14.9	1-14.6 2-15.0 3-15.4	1-13.8 2-14.3 3-13.9 4-14.5 5-15.1	1-14.5 2-15.0	1-12.5 2-13.3 3-13.9 4-14.5 5-15.1	a=10.0 b=10.8 c=11.5			61 1-15.2 2-15.4 3-15.9
	hour	8 4	11 0	10 4	10 5	8 5	21	8 Rnd	71a	15 5
7900	—	15.4	15.2	13.9	14.6	14.9	13.0	10.8-9 0	15.5-6	15.0
24	—	15.3	15.2	13.6	14.6	14.7	13.5-4	10.7 0	15.4	15.0
32	—	15.2	15.3	13.6	14.8	14.7	13.6-7	10.7 1	15.4	14.8
56	—	—	15.1-2	14.0-1	14.8	14.7	—	10.6-5	14.6	16.0
59.336	—	15.2	14.78	14.0-13.9	14.8	14.6	13.8	10.6-5	15.6	16.0
.466	—	15.2	14.7	13.7	15.0	14.4	13.1	10.5	15.3-4	15.1-0
.535	—	15.2	15.0	14.1	14.7	14.3	13.8	10.3-2	15.1	15.1
.600	—	—	—	14.0-1	14.8	14.8	13.8	10.5-6	15.0	15.3
60.235	—	15.2	14.9	14.0	14.7	14.8	14.1-2	10.4-5	15.2-3	15.4-5
.300	—	15.2	15.0	14.1	14.8-5	14.4	13.7	10.5	15.3-4	15.5
.365	—	15.2	15.0	14.0	14.4	14.5	13.8	10.6-5	15.4	15.76
.539	—	15.3	15.1	14.1	14.3-4	14.3	13.2-1	10.6	15.3-4	15.8-7
61	—	15.2	14.8-7	14.0	14.7	14.6	14.0-1	10.3-4	15.1	15.8-7
63	—	15.6	15.4	14.0	14.7	14.4	13.0	10.6	15.5	14.9-8
64	—	15.6	14.89	14.1	14.4	14.2	13.7-0	10.5	15.3	15.7
74	—	15.4	15.4	13.9	15.0	14.6	13.7	10.6-7	15.6	15.0
78	—	15.4	14.8	14.1	14.7	14.5	13.5	10.5	15.6	15.3
79	—	15.0	14.9	14.0-1	14.4	14.6	13.7	10.6	15.1-2	15.7
84	—	15.4-5	15.1	14.1	14.4	14.7	12.8-9	10.6	15.3	15.3
85.225	—	15.3	15.3	14.1	15.1	14.7	13.8	10.4	15.6-7	14.8-4
.290	—	15.5	15.1	13.9	14.4	14.6	13.5	10.5	15.6	15.3
.357	—	15.5	15.1	14.1	14.7	14.4	13.7	10.8-9	15.1-2	15.7
.455	—	15.5	15.3	13.9	14.3	14.2	13.8	10.5	14.8	15.8
87.243	—	15.4 ^m	15.2 ^m	13.7 ^m	14.5-8	14.9 ^m	12.8	10.6-5	14.9-50	14.8-9
.308	—	15.1	15.2	14.1	14.6	14.4	12.9	10.6	15.3	15.3
.373	—	15.1	15.3	13.7	14.4	14.6	13.12	10.6-5	15.4	15.7
.470	—	15.0	14.6	14.0	14.8	14.6	13.5	10.6-5	15.4	16.0
88.265	—	15.1	15.2	13.9	14.8	14.4	13.7	10.5	15.4	15.7
.330	—	15.0	15.1	13.9	14.4	14.4	13.4	10.0	15.5-4	15.9
.396	—	15.2	14.9	13.7	14.6	14.5	13.6	10.5	14.5	15.8
.497	—	—	—	14.0	14.5	14.4	13.0	10.5	15.3-4	15.7
8006	—	15.0	15.4	13.7	14.8	14.4	12.7	10.5	14.9-50	15.5

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		1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9 7-15.6	1-14.9 2-15.4 3-15.9	1-12.5 2-13.0 3-13.6 4-13.8	1-13.2 2-13.6 3-14.0	1-14.8 2-15.5 3-16.0	1-15.1 2-15.4 3-15.8	1-15.2 2-15.6 3-16.0	1-12.9 2-14.0 3-14.65	1-11.3 2-12.0 3-12.8
4F		838	103	119	112	57	156	58	172	16
20312	7900	15.4	15.6	15.3	14.0	15.3	15.2	16.1	13.7	11.7 ^M
876	24	<15.6	<15.4	13.78	14.2-3	15.8	15.5	15.5	13.7	12.9-13.0
394	32	<15.6	15.1	13.2	14.0-1	15.8	15.6	16.0	13.5-6	12.9
501	56	<15.6	14.9-15.0	13.2-3	13.7-8	15.5	15.5	15.9	13.6-7	12.6
521	59,336	15.5	15.5-6	13.4	14.1	15.6	15.6-7	16.1	13.5	13.0
25	.466	15.8	15.8	13.2-3	13.9	15.7	15.2	15.0	13.4	12.9
27	.535	<15.6	15.1-2	13.2	13.9-14.0	15.8-9	15.3	15.5-4	13.8-7	11.4-5
29	.600	<15.6	15.1	13.3-4	13.8	15.9-8	15.6-7	15	13.7	11.1
532	60,235	<15.6	<15.4	13.3	13.8	15.6	15.3-2	16.0-1	13.7	12.9
84	.300	<15.6	15.2	13.4-5	14.1	15.4	15.6	15.4-5	13.7	12.9-8
36broken	.365	<15.6	14.8	13.3±	14.1	15.6	15.6-7	14.9	13.5-4	12.8
40	.539	<15.6	15.5	13.2	13.9	15.3	15.3	15.9	13.7-8	13.0
549	61	15.7	15.3	13.3	13.9	15.6-7	15.3	16.1	13.6	13.0
558	63	16.1	15.3	13.5	14.0	15.1 ^H	15.4-5	15.3 ^M	13.3	12.9
568	64	<14.9	15.7	13.5	14.2	15.8	15.2	15.9	13.5	12.8±.1
586	74	<14.9	15.7	13.6	14.2	15.6	15.7-6	16.0	13.9	12.4
612	78	16.1	14.8	13.5-4	14.4	15.3	14.8	15.4-3	13.8	12.3
626	79	<14.9	15.2	13.5	14.3-4	15.3	14.9	15.6-5	13.8	12.9-13.0
684	84	15.8	15.6	13.5	14.4	15.4-3	15.2	16.0	13.8	12.4
691	85,225	15.7	15.2	13.4	14.5-6	15.8	15.6	15.7	13.7-6	11.2
93	290	15.8	15.1	13.4-3	14.5	15.6	15.6	16.1	13.7	11.0
95	357	15.8	15.2	13.4	14.6	15.6	15.5	16.1	13.7	11.5
98	455	15.9	15.2	13.4	14.6	15.7-8	14.9	16.0	13.8	11.8
706	87,243	15.5 ^m	15.7 ^m	13.4 ^M	14.2 ^m	15.8 ^m	15.4-3	15.9 ^m	13.6	12.6 ^m
08	308	15.8	15.3	13.4	14.5	15.4-3	15.6	15.9	13.8	13.0
10	373	15.8	15.6	13.4	14.2	15.7	15.5	15.3-4	13.7	12.8
13	470	15.9	15.6	13.3	14.1-2	15.8-7	14.78	15.4	13.6-7	11.4
720	88,265	15.7	15.12	13.4	14.2	15.6	15.3	15.7	13.8	13.0
22	330	15.8	15.2	13.4	14.3-4	15.8	15.6-7	15.6	13.6-7	13.0
24	346	15.8	15.3	13.4	14.2	15.8	14.9-8	15.5	13.8	12.8-9
26	497	15.8	15.3	13.3	14.3	15.4	14.9-5	15.7-8	13.7-6	12.9-8
225	8006	15.3	15.0	13.3 ^{or}	13.8	15.8	14.9-7	15.7	13.8	11.1-2

730

8

E.1

H

130

m

8

9

1-8

-2

	1-15.5 2-15.8	1-15.3 2-15.6 3-16.0 4-16.2	1-15.5 2-15.9 3-16.3	1-13.2 2-13.7	1-14.8 2-15.2 3-15.5	1-14.7 2-15.1 3-15.5	1-14.8 2-15.3 3-15.8	1-15.5 2-15.9 3-16.3			61 1-15.2 2-15.4 3-15.9 15.5
	159	154	61	11	63	12	158	152	71a	15.5	
7900	15.3	15.7	15.7	13.1-0 ⁿ	14.9-15.0	14.6 ^m	15.0	15.6	15.5-6	15.0	
24	65	15.78	15.4-3	13.5	15.1-0	15.1	15.0	15.9	15.4	14.8	
32	15.2	15.7	15.4	13.0-1	15.1	14.5	15.1-2	16.0	15.4	14.8	
52	15.8	15.7	15.6-7	13.1	15.1	15.3	15.1	15.8	14.6	16.0	
59.386	15.5	15.8	15.6	13.6	15.0-1	15.8-7	15.2-3	15.4	15.6	16.0	
.466	15.4	15.7	15.6	13.6	15.1	15.4-5	14.5	15.7	15.3-4	15.1-0	
.535	15.1	15.8	15.4	13.2	15.1	15.2	14.5	15.7	15.1	15.1	
.600	15	15.2	15.5	13.1	15.0	15.0±	15.0	15.5	15.0	15.3	
60.235	15.1	15.8	15.5-6	13.1	14.9	15.3-4	15.6	15.8	15.2-3	15.4-5	
.300	15.4	15.7	15.7	13.3	15.1	15.4	14.7	16.1	15.3-4	15.5	
.365	15.2	15.8	15.5	13.7	14.9-8	15.5	14.8	15.7	15.4	15.76	
.539	15.3	15.78	15.6	13.7	15.0	15.5	15.5	15.9±	15.3-4	15.8-7	
61	15.2	15.8-7	15.6-7	13.5	15.0-14.9	15.6	15.0	16.0	15.1	15.8-7	
63	15.3	15.8	15.4	13.5	14.8	15.6	14.9	15.3-4	15.5	14.9-8	
64	15.5	15.9	15.5-4	13.1-0	15.1	15.6	15.2-1	15.7±	15.3	15.7	
74	15.4	15.8	15.5-6	13.7	15.2-3	15.6	15.0	15.6-7	15.6	15.0	
78	15.3	15.7	15.7	13.4	15.1	15.78	15.5	15.6-5	15.6	15.3	
79	15.3-4	15.7	15.6-5	13.1	15.1-0	15.8	14.6	16.0	15.1-2	15.7	
84	15.4	15.76	15.8-9 ^m	13.6	15.3	15.6	15.1	16.0-1	15.3	15.3	
85.225	15.6	15.76		13.1	15.1	14.3	15.0	15.8	15.6-7	14.8-4	
.290	15.4	15.7		13.4	15.0	14.6	15.0	16.0	15.6	15.3	
.357	15.4	15.7		13.0	15.3	15.0	14.9	15.6-5	15.1-2	15.7	
.455	15.3	15.8		13.1	15.1	15.7	15.0	15.7	14.8	15.8	
87.243	15.3	15.7	15.4 ^m	13.5 ^m	14.8 ^m	15.4 ^m	14.6	15.7	14.9-15.0	14.8-9	
.308	15.3	15.5-4		13.0	15.0	14.3	14.9	15.8	15.3	15.3	
.873	15.2	15.2		13.5	15.1	14.8	15.0-1	15.7±	15.4	15.7	
.470	15.9	15.1		13.1	15.3 ^m	15.7	15.2	16.0	15.4	16.0	
88.265	15.4	15.5		13.6	15.0	15.7	15.5	15.8	15.4	15.7	
830	15.9	15.6		13.1	15.3	14.5	15.2-1	15.9	15.5-4	15.9	
396	15.3	15.8		13.0	15.3	15.0±	14.9	16.0	14.5	15.8	
497	15.4	15.8±		13.1	14.9	15.4	14.7	15.9	15.3-4	15.7	
8006	15.4	15.1		13.5	15.1	15.4	14.6	15.9	14.9-15.0	15.3	

44

1939phae.proj.2

44

		1-14.4 2-15.0 3-15.4	1-15.6 2-16.1	1-15.0 2-15.4 3-15.9	1-14.6 2-15.2 3-15.8	pos OK	1-13.5 2-13.9 3-14.1 4-14.5 5-15.1	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6	1-14.4 2-14.8 3-15.0	
MF		39	153	168	76	32	24	48	3	94a
20312	7900	15.1	<15.6	15.8-7	15.7	13.4	15.3	14.0	<15.9 ^m	14.9-15.0
876	24	14.7	<15.6	—	14.78	13.4	13.8	14.8	<15.9	15.1
394	32	14.2	15.8	14.8	16.0	13.4	15.3 ^m	13.3	<15.9	15.3
501	56	15.2	<15.6	15.3-4	15.8	13.4	14.2	14.0	14.8	15.2
521	59,336	14.8 ^m	15.7	15.9-8	15.9	13.5	13.9	14.0	14.7	15.2-3
25	.466	14.3	15.7-8	14.8	15.8-7	13.4	14.6-7	14.3-2	14.7	15.1
27	.535	14.4	15.7	15.3-2	16.0	13.5	15.0	14.6-7	14.6	15.1-2
29	.600	14.8	—	—	<15.2	13.4	15.0	15.0	14.6	15.2
532	60,235	14.6	15.8	15	15.3-4 ⁵	13.4	15.3	14.7-8	14.6	15.3
84	.300	14.6	16.0	16.0	15.7-6	13.4	13.8-7	14.7	14.7	15.2-1
366 ^{broken}	.365	14.8-9	15.8	15.8-7	15.9	13.5	14.2	13.6	14.6-5	15.2
40	.539	15.3	15.5	14.9	16.0	13.4	15.3-4	14.2-3	14.6	15.1-2
549	61	15.1	15.8	15.7	15.9	13.4	14.7	14.6	14.5-4	14.9
558	63	14.6	15.9	15.8-7	15.9	13.4	15.0	14.5 ^m	14.2	15.2
568	64	14.9-8	16.0	15.8-9	15.7	13.4	15.0	14.4	13.9	15.1
586	74	15.0	15.8	15.1-0	16.0	13.4	15.2	14.7-6	13.1	14.7
612	78	15.2-3	15.8	15.3	15.1-0	13.5	15.0	14.2	13.1	14.7
626	79	15.0-1	<15.6	15.3	14.7-8	13.4	15.2	14.0	13.1	14.5
684	84	15.1	15.7	15.7-8	15.3	13.4	14.2-3	13.8	13.0	14.6
691	85,225	15.3-2	15.9	15.3	16.0	13.4	15.0	14.2	12.9	14.5-6
93	290	15.3	<16.0	16.0	15.6	13.5	14.0	14.5	13.0-1	14.7
95	357	15.1-2	16.0	15.6	14.7	13.4	14.2	14.6	13.2-1	14.8
98	455	m- ^{del}	16.0	15.6-3	15.3	13.5	14.9	14.8	12.9	14.7
706	97,243	15.3 ^m	15.7	15.7	15.9 ^m	13.4	14.0 ^m	13.4 ^m	13.0-1 ^m	14.7-6 ^m
08	308	15.3	15.7	16.0	14.4	13.4	14.7	13.9	12.9	14.7
10	373	15.5	16.1	15.7	15.3-4	13.4	15.0	14.2	12.9	14.5
13	470	14.8	16.0	15.7	15.7	13.4	15.0	14.4	12.9	14.6
720	88,265	15.2 ^m	15.8	15.6	15.6 ^m	13.4	14.7	14.8	12.7	14.6
22	320	15.1	15.7	16.0	14.7-8	13.4	15.0	14.0	12.7-4	14.5-6
24	346	15.2	15.9	15.7-8	15.4	13.4	15.3	13.8	12.8	14.6
26	497	15.3	16.0	15.7-2	15.3	13.5	15.3	14.0 ^m	12.6 ^m	- del
225	5006	15.1-2	15.8	15.5-4	15.8	13.4-5	15.2	14.0	12.6	14.7

	1-15.2 2-15.4 3-15.9	1-12.2 2-12.9	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-13.9 2-14.6 3-15.3 4-16.1	1-15.3 2-15.6 3-16.0 4-16.3	1-13.0 2-13.5 3-14.0	1-15.2 2-15.5 3-16.0 4-16.3	1-15.2 2-15.6 3-16.0 4-16.3		61 1-15.2 2-15.4 3-15.9
a	5	20	"366"	113	81	69	82	80	71a	155
50	7900	12.3-2	15.0	14.7	15.5	13.5-4	15.6	15.9	15.5-6	15.0
1	24	12.7	15.0	14.8	15.2	13.4	15.4	15.7	15.4	15.0
3	32	12.4-5	15.5	14.6-7	15.4	13.4	15.4	15.5	15.4	14.8
2	56	12.7	14.8	14.7-8	15.5	13.7	15.3-4	15.7	14.6	16.0
-3	59,336	12.3	14.8	14.4	15.7	13.6	15.6	15.5	15.6	16.0
1	.466	12.1	14.6	14.4-3	15.5	13.6-7	15.6	15.2	15.3-4	15.1
-2	.535	12.3-4	14.6-5	14.4	15.6	13.6-7	15.4	15.8	15.1	15.1
2	.600	12.4	14.6	14.4	15.5	13.9	15.5	15.7	15.0	15.3
3	60,235	12.3	14.8	14.2	15.5	13.4-5	15.5	15.8	15.2-3	15.4-5
-1	.300	12.1	14.6	14.4	15.7	13.6-7	15.4	15.9	15.3-4	15.5
-	.365	12.4	14.6-5	14.3	15.8	13.7-8	15.4	15.3	15.4	15.7-8
-2	.539	12.5	14.5	14.4	15.8	14.2	15.4	15.5	15.3-4	15.8-7
9	61	12.3	14.6	14.4	15.5	13.9	15.4	15.7	15.1	15.8-7
2	63	12.3	14.8	14.4	15.7	13.9-8	15.3	15.7	15.5	14.9-8
1	64	12.3	14.7	14.3	15.7	13.7	15.8	15.5	15.3	15.7
7	74	12.7	14.7	14.4	15.9	13.7	15.6	15.4	15.6	15.0
7	78	12.5	14.9	14.8-7	15.7	13.4	15.7	15.5	15.6	15.3
5	79	12.4	14.7	14.5	15.6	13.2	15.4	15.7	15.1-2	15.7
6	84	12.6	14.8	14.5	15.8-9	13.7	15.7	15.5	15.3	15.3
-6	85,225	12.7	15.0	14.5	15.6	13.9	15.6	15.3	15.6-7	14.8-4
7	.290	12.8	14.9	14.6-7	15.8-9	13.8-7	15.7-6	15.9	15.6	15.3
8	.357	12.9	14.9	14.8	15.7	13.8	15.4	15.7-8	15.1-2	15.7
7	.455	12.7	14.8	14.8	15.6	13.8-9	15.4	15.7	14.8	15.8
6	87,243	12.8 ^m	14.9	14.8 ^m	15.9 ^m	13.3 ^m	15.8 ^m	15.9 ^m	14.9-50	14.8-9
7	.308	12.8	15.0	14.5	15.7	13.9	15.4-3	15.5	15.3	15.3
5	.373	12.6	14.9	14.7-8	15.9	13.9	15.5	15.6	15.4	15.7
6	.470	12.7	14.9	14.5	15.9	14.2	15.6	15.8	15.4	16.0
16	88,265	12.6	14.9	14.6	15.7-9	13.5-2	15.4	15.5	15.4	15.7
50	.330	12.8	15.1	14.6-7	16.0	13.4	15.6	15.5	15.5-4	15.9
6	.396	12.9	15.0	14.5-6	16.0	14.3 ^m	15.4	15.5-4	14.5	15.8
4	.497	12.8	15.2	14.5-4	16.0	13.6	15.4-2	15.5	15.3-4	15.7
7	8006	12.3	15.7-9	14.5	16.0	13.6-7	15.4	15.7	14.9-50	15.3

44

1939phae.proj.2

44

		1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0 M=15.43	1-15.1 2-15.6 M=15.0	1-13.9 2-14.6 3-15.2	1-14.4 2-14.9 3-15.3 4-15.5 5-15.9	1-14.9 2-15.3 3-15.6	1-15.3 2-15.7	1-13.7 2-14.5	
MF		15	14	114	94	27	45	64	170	165
20312	7900	14.1 ^m	14.0 ^M	15.9	15.4	15.0	14.0	15.2	15.6	13.6
876	24	13.6 ⁶⁹	13.9	15.62	14.9	13.9	15.4	—	15.1	13.9
394	32	13.9	14.7	15.76	15.0	14.0 ^M	15.0	15.2	15.65	13.9
501	56	13.5	15.1	15.3 ²⁴	15.0	15.45	14.1	15.4	15.5	13.5
521	59,336	13.5	15.1	15.7	15.0	15.1 ³	15.32	15.23	15.2	14.0
25	.466	13.5	14.2	15.7	15.5	15.2	15.8 ^m	15.2	15.5	13.6
27	.535	13.5	14.1	15.7	15.2	14.1 [✓]	15.9	15.3	15.4	13.98
29	.600	13.5	14.3	15.7	15.4	14.1 [✓]	15.7	15.3	15.4	14.0
532	60,235	13.6	14.0	15.6	15.4	14.2 ³	15.5	15.5	15.4	14.0
84	.300	13.5	14.2	15.6	15.5	13.7 ⁸	14.2	15.7	15.2	14.0
366 ^{broken}	.365	13.5	14.3	15.7	15.6	13.9 ^{M-2}	15.0	15.1	15.65	14.0
40	.539	13.5	15.1	15.8	15.4	14.4 ⁶⁷	15.6	15.4	15.5	13.9
549	61	13.5	14.8	15.8	15.4	15.2 ¹	14.6	15.3-2	15.2	13.6
558	63	13.6	15.1	15.7	15.0	15.1 ⁷⁻⁶	14.4	15.0	15.6	14.0
568	64	13.6	14.7	15.8	15.5	14.9	14.9±	15.2-3	15.2	14.0
586	74	13.3	14.9	15.9	15.5	14.9	15.6	15.5	15.3	14.2
612	78	13.3	15.1	16.0	15.3	15.1	15.8-7	15.2-1	15.1	13.9
626	79	13.2	13.9	15.9	15.3-4	15.3	15.3±	15.3±	15.2	14.0
684	84	13.4	15.0	15.9	15.3	15.4-5	15.8	15.0-1	15.6	13.9
691	85,225	13.2	15.1 ²¹	15.9	15.5	14.9 ⁴¹	15.0	15.2-1	15.4	14.1
93	290	13.0	15.5 ⁵	16.0	15.0	14.0 [✓]	15.2	15.0	15.5	14.0-1
95	357	13.3	14.7	15.9	15.4	13.7 [✓]	15.7	15.1-0	15.2	13.5
98	455	13.3	15.1	15.9	15.3	14.7 ⁴⁴	14.6 ⁵	15.1-0	15.6	13.6
706	97.243	13.2 ^M	14.7 ^m	15.9 ^m	15.4 ^{m-5}	15.4 ^m	14.2 ^M	15.0 ^M	15.2-1	13.8
08	308	13.5	14.8	15.9	15.3-4	15.0 ³	14.7	15.1	15.9	13.5
10	373	13.4	14.9	16.0	15.0	14.8 [✓]	15.2	15.0 ^m	15.2	13.9
13	470	13.4	15.0	15.9	15.3	13.8 [✓]	15.8	15.4 ⁵	15.5	13.9-7
720	88,265	13.1	13.9	15.9	15.4-5	14.0 ⁴	15.2	15.2	15.4	13.6
22	330	13.3	13.8	16.0	15.1	14.2 ³	14.1	15.1	15.1	13.6
24	396	13.3	14.1	16.0	15.0	14.7 ³	15.0	15.0-1	15.7	13.9
26	497	13.5	14.7	15.9	15.2	14.8 ²	15.8-7	15.3-2	15.1	14.1
225	5006	13.4	14.8	16.0	15.4	14.4	15.6	15.1-2	15.2	13.6

61

 1-15.2
 2-15.4
 3-15.9
 15.5

 1-13.6
 2-14.0
 3-14.5

 1-14.3
 2-15.3

 1-14.2
 2-14.6
 3-15.1
 4-15.4
 5-15.8

 1-13.2 4-14.6
 2-13.4 5-15.3
 3-14.1 6-15.8

 1-12.2
 2-12.7

 1-12.4
 2-12.8

164

163

26 ↑

79

107

13

106

0

71a

7900

13.5

14.7

15.5

15.0

14.6

12.

12.2

0

15.5-6

15.0

24

13.8

15.2

15.3

14.6

14.6

12.7

12.7

0

15.4

15.4

32

13.78

14.9-15.0

14.3^M

15.3

14.6

12.1

12.1

0

15.4

14.8

56

13.7

15.0

15.5

15.3

14.6

12.9

12.9

0

14.6

16.0

59.336

13.6

14.9-15.0

15.5

15.8

15.5

12.1

12.1

5

15.6

16.0

.466

13.6-5

14.4-5

14.5

15.8

15.4

12.4

12.4

5

15.3-4

15.1

.535

13.7

15.0-15.1

14.5

15.8

15.4-5

12.7

12.7

5

15.1

15.1

.600

13.6-7

15.1

15.6

15.3

15.3

12.7

12.7

5

15.0

15.3

60.235

13.8

15.0

15.6

15.3

15.4

12.0

12.0

0

15.2-3

15.4-5

.300

13.6-1

15.1

14.4

15.8

15.5

12.2

12.2

0

15.3-4

15.5

.365

13.4

14.7

15.2

15.8

15.5

—

—

5

15.4

15.76

.539

13.7

14.9

15.9

15.8

15.6

12.7

12.7

5

15.3-4

15.8-7

61

13.1-2

14.7

15.6

15.8

15.4

12.7

12.7

5

15.1

15.8-7

63

13.6

15.5

14.7

15.8

15.3

12.5

12.5

5

15.5

14.9-8

64

13.4

15.3

15.9

15.8

15.4

12.6

12.6

62

15.3

15.7

74

13.7-1

14.7

16.0

15.3

15.4

12.6

12.6

9

15.6

15.0

78

13.1

15.1-0

15.5-6

15.3

15.5

12.8

12.8

3

15.6

15.3

79

13.1

15.1

15.7

15.3

15.4

12.8

12.8

2

15.1-2

15.7

84

13.9

15.1

15.7

15.8

15.6

12.6-7

12.6-7

9

15.3

15.3

85.225

13.7

14.9

15.6

15.8

15.6-7

12.8

12.8

5

15.6-7

14.8-4

.290

13.2

15.1

15.9

15.8

15.6

12.9-13.0

12.9-13.0

5

15.6

15.3

.357

13.2

15.1

16.1

15.8

15.6

12.0

12.0

4

15.1-2

15.7

.455

13.8

15.0

14.4-5

15.8

15.7

12.3

12.3

5

14.8

15.8

87.243

13.4

15.1-0

15.6-7

15.9

15.8

12.3

12.3

M

14.9-15.0

14.8-9

.308

13.3

15.0

15.9

15.8

15.7

12.6

12.6

5

15.3

15.3

.373

13.8

15.0

15.7

15.8

15.7

12.8

12.8

3

15.4

15.7

.470

13.4

15.0

14.7

15.8

15.8

12.7

12.7

8

15.4

16.0

88.265

13.3

15.0

15.0

15.8

15.8

12.6

12.6

2

15.4

15.7

.330

13.8

15.1

15.5-6

15.8

15.7

12.6-7

12.6-7

2

15.5-4

15.9

.396

13.78

14.7

15.8

15.8

15.7

12.7

12.7

1

14.5

15.8

.497

13.2

15.0

16.0

15.8

15.8

12.9

12.9

2

15.3-4

15.7

44

MF

		1-13.6 2-14.2 3-14.9 M=13.4	1-13.8 2-14.5 3-15.0 M=14.1	Do this B.T.	1-12.5 2-12.8 3-13.3	1-12.5 2-13.0 3-13.5 4-14.0 M=12.8	1-14.0 2-14.5 3-15.0 4-15.5	1-13.1 2-13.6 M=13.5	1-12.7 2-13.4
20312	7900	14.0	14.3	12.0-1	13.5	13.5±1	14.5	13.4	13.6
876	24	14.0	14.5	12.0	13.4	13.1	15.0	13.4	13.4-5
394	32	14.0	14.4-5	12.2-1	13.9	13.3	15.7-8	13.0	13.3
501	56	14.0	14.6	12.1	13.5	13.6-7	15.5	13.0	13.5
521	59,336	14.3	14.6	12.0	13.4	13.2	16.0	13.0	13.6
25	.466	14.2±	14.6	12.1-2	12.9-13.0	13.5±	13.8 M	13.1	13.6
27	.535	14.1	14.7	12.1	13.0	13.2	15.8	13.0	13.7
29	.600	14.3-4	14.9	12.5±	13.1-0	13.7	←	13.1-2	13.5-3
532	60,235	14.1	14.7	12.1-2	13.1-2	13.4	15.5	13.0	13.8
84	.300	14.2-3	14.8	12.0-1	13.4	13.1	15.5	13.2	13.7-8
366	.365	14.0	14.6	11.9	13.5	13.3	15.8	13.1	13.8
40	.539	14.3-4	14.8	12.0	12.7	13.2	—	13.0	13.8
549	61	14.0	14.8	12.1	13.4	13.2	15.8	13.0	13.7-6
558	63	14.1	14.8	12.1	13.2	13.3-4	15.9	13.0	13.8 ^m
568	64	14.1	14.9	12.0	12.7-13.4	16.0	13.0	13.0	13.7
586	74	14.0	14.8	12.1	12.5-6	13.3-4	15.9	12.9	13.6
612	78	14.0	14.9	12.4	13.7	13.4-3	16.0	13.2	13.4±
626	79	14.3	14.9	12.4	13.5	13.2	15.9	13.1	13.1
684	84	14.1	14.6-7	12.2	13.5	13.5	15.9	13.0	13.3-2
691	85,225	14.1	14.8	12.1-0	12.7	13.2	15.9	13.0	13.2
93	290	14.0	14.7	12.1	12.5-13.0	13.6	15.9	12.9	13.1
95	357	14.0	14.7	12.1-2	13.1	13.7	15.9	13.0	13.2
98	455	14.1	14.8	12.2	13.5	13.3-4	16.0	13.0	13.2
706	97,243	14.4 ^m	14.8 ^m	12.0	13.4 ^m	13.7 ^m	15.7 ^m	13.0 ^M	13.2 ^M
08	308	13.9	14.6	12.1-0	13.6	13.5	15.8	13.2	13.3±
10	373	14.3-4	14.7	12.1	13.4	13.3-4	15.9-8	13.1	13.2-1
13	470	14.4	14.9	12.1	13.0	13.6-5	15.9	13.1	13.1-2
720	88,265	14.0	14.8	12.0	13.5	13.5	15.9	12.9	13.1
22	320	14.0	14.8	12.1-2	13.5	13.3	15.8	12.9	13.0-1
24	346	14.3	14.9	12.0-1	13.6	13.6	15.8	12.9	13.1
26	497	14.3	14.9	12.5	13.0	13.4-3	15.6	13.0	13.2
725	5006	14.0	14.8	12.1	13.4	13.6	15.8	13.0	13.2-3

	1-13.4 2-13.7 3-14.0	1-13.9 2-14.6	1-12.0 2-12.5 3-13.0	27-1 1-14.6 2-15.3 3-15.10	a-13.4 1-13.7 2-14.2 3-13.9	1-13.5 2-14.1 3-14.8	1-12.5 2-13.2 3-13.4			
	2.5	62	BR	120	119	127	130	71a	155	
7900	14.2	14.4	12.5	15.1	14.4	14.0	13.7	12.4	15.5-6	15.0
24	14.2	14.4	12.4	15.0	14.4	14.0	13.7-8	12.3	15.4	15.0
32	13.5	14.4	12.4-3	15.0	14.0	14.0	13.8	12.4	15.4	14.8
56	13.5	14.5	12.4	15.1	14.3	14.1	14.0	12.4	14.6	16.0
59.326	13.3-2	14.5	12.5	14.7-8	14.0	14.0	13.9	12.3	15.6	16.0
.466	13.6	14.1-2	12.5-6	14.9	14.1	13.9	13.7	12.3	15.3-4	15.1-2
.535	14.1	14.5	12.6-5	15.0	14.0	13.9	13.7	12.4-3	15.1	15.1
.600	14.1-2	14.2	12.4-3	15.1-2	13.9	14.0	14.1-2	12.3	15.0	15.3
60.235	14.1	14.4-5	12.4	15.1	14.3	14.0	13.9	12.4	15.2-3	15.4-5
.300	14.1	13.9	12.5	15.0	13.9	14.0	13.8	12.3	15.3-4	15.5
.365	13.3	14.7	12.6	15.1	13.9	14.0	13.9	12.3	15.4	15.7-6
.539	13.9	14.5	12.3	15.1	14.4	13.9	14.0	12.3	15.3-4	15.8-7
61	14.2	14.4	12.4	14.9	13.8	14.1	13.9	12.2	15.1	15.8-7
63	14.2	14.1-2	12.4-5	14.6-5	13.5	14.0	13.8	12.3	15.5	14.9-8
64	14.2	14.1-2	12.6	15.0	13.9	14.0	13.8	12.4	15.3	15.7
74	14.2	14.5	12.6-7	15.0	14.1	14.0	14.0	12.3	15.6	15.0
75	14.2	14.3	12.4-5	15.0	14.4	14.1	14.0-1	12.3	15.6	15.3
79	13.8	14.4	12.6	14.9	14.2	14.1	13.9	12.3	15.1-2	15.7
84	13.9	14.6	12.6	15.0	13.9	14.0	14.0	12.4	15.3	15.3
85.225	14.0	14.4-5	12.5-6	14.9	14.3	14.0	14.0	12.4-3	15.6-7	14.8-4
290	13.2	13.8	12.4-3	15.0	13.8	14.2	14.0	12.3	15.6	15.3
357	13.5	14.4	12.3	14.9	13.5	14.0	13.8-9	12.3-4	15.1-2	15.7
455	14.1	14.5	12.4	15.1	13.8	14.3-4	13.9	12.4	14.8	15.8
87.213	14.2	14.0	12.6-7	15.1	13.9	14.0	13.9	12.4	14.9-50	14.8-9
308	14.1	14.5	12.7-6	15.0	14.3	14.1	13.9	12.4	15.3	15.3
373	14.1	14.5	12.7	14.8-9	14.0	14.3-2	13.8	12.3	15.4	15.7
470	13.2	14.4	12.7	15.3-2	13.8	14.0	13.7-6	12.4	15.4	16.0
88.265	14.2	14.0	12.7-8	15.0	13.9	14.0	14.0	12.4	15.4	15.7
330	14.2	14.5-4	12.7	15.0	14.0	14.1	14.0	12.4	15.3-4	15.9
396	14.1	14.4	12.6	15.2	14.4	14.1	13.9	12.5-6	14.5	15.8
497	13.2	14.5	12.4	15.0	13.9	14.2	14.0	12.4	15.3	15.7
8006	12.3	14.1	12.5	14.9	14.0	14.2	13.9-40	12.5	14.9-50	15.5

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		1-14.2 2-15.0 3-15.4 118	1-13.4 2-14.1 3-14.7 4-15.4 5-15.7 124	1-12.3 2-13.0 3-13.4 121	1-13.8 2-14.8 3-15.5 125	1-13.6 2-14.2 3-14.9 4-15.5 123	1-13.1 2-13.9 117	1-10.7 2-11.2 129	1-13.3 2-13.9 3-14.5 128
20312	7900	14.4	15.6	12.2	15.6	15.3	13.0	11.0	14.1
876	24	—	15.4	13.1	15.0	14.7	12.9	11.0	14.1
394	32	15.5	15.6	12.3-4	15.6	14.7	12.8	11.0	14.1
501	56	15.0±	14.7±	12.1	15.0	14.8	13.0	10.6	13.9-8
521	59,336	14.3-4	15.4±	12.5	15.4	14.8-6	12.8	11.0	14.2
25	.466	15.2	15.6	12.5	14.5-4	15.3	13.0	10.9-11.0	14.3-4
27	.535	15.2	15.6-5	12.5	15.3	15.4	13.0	10.9-8	14.2-3
29	.600	—	14.1	12.5	14.8	15	12.9	10.5	14.1
532	60,235	14.8-7	15.4±	12.8-9	15.6	15.4	12.8	11.0	14.0-1
84	.300	15.3	15.5	12.5	15.4	14.0	12.9	11.0	14.2
366	.365	15.2	15.6	12.2	14.4±	14.2	13.0	11.0	14.4
40	.539	14.0	14.3-2	12.2	15.4	15.1	12.9	10.6-5	14.2-3
549	61	15.4	15.6	12.7	15.2	15.0	13.0	11.0	14.0-1
558	63	15.3	15.6	12.0	15.6	15.1	13.0	10.6	14.4
568	64	14.5-4	15.5	12.5-6	14.7-6	15.1	12.9	11.0	14.4
586	74	15	15.4	12.6-5	15.4	15.1	12.9	10.9	14.1
612	78	15.5	15.5	11.9	15.2	14.4	13.0	10.9	14.1
626	79	15.5	15.4	12.9-8	14.6-7	15.1	12.9	11.0	14.1
684	84	14.8-9	15.8	12.5	14.8	15.3	13.0	11.0-10.9	14.3
691	85,225	14.4-5	15.6	12.6	15.7	14.0	13.1	11.0	14.1
93	290	15.0±	15.5±	12.0	14.7	14.0	13.3	11.0	14.1-0
95	357	15.5	15.6	12.2-1	14.6	15.0	13.2	11.0	14.3-4
98	455	15.8	15.6	12.1	15.3	15.1	13.1	10.9-8	14.1
706	97,243	15.5	15.7	12.0	14.6-7	15.3	13.2	11.0	14.0
08	308	14.3-4	14.4	12.5	15.3	14.4	13.2	10.9	14.3
10	373	14.3	14.5	12.2-1	15.6	14.0	13.1-0	11.0	14.2-3
13	470	14.8	15.5	12.5	15.7	14.8	13.0	11.1	14.2
720	88,265	14.7	14.5	12.8	15.7	15.1	13.2	10.8	14.1
22	330	14.8	15.4-5	12.5	15.3	15.3	12.9	10.9	14.3
24	346	15.11	15.7	12.2	15.6	14.4	13.0	10.9	14.2
26	497	15	15.4	12.0	14.8	14.0	12.9	10.6	14.3
225	5006	14.8	14.6	12.2	15.6	15.1	13.7	10.7	14.2

el: mure
mias

	1-13.6 2-14.7 M=13.9-14.0 ✓ 131	1-13.6 2-14.1 3-14.8 4-15.3 m=14.6 126	1-12.0 2-12.7 3-13.8 4-15.0 6	1-13.8 2-14.6 3-15.1 M=14.1 122	1-14.4 2-15.0 3-15.6 m=15.4 ✓ 116	1-14.4 2-15.0 3-15.8 ✓ 115	1-14.4 2-15.0 3-15.8 12.7 14.0 14.4 BD	71a	61 1-15.2 2-15.4 3-15.9 155
7100	14.9-15.0	14.1±	—	14.0	14.8-9	15.6	<15.0	15.5-6	15.0
24	14.8	13.9	trust	14.4	14.6	14.8	<15.0	15.4	14.8
32	14.8	14.1±	—	14.5-4	14.8	14.8	—	15.4	14.8
56	14.7-8	14.0	—	14.5-6	14.8	—	—	14.6	16.0
59.336	15.0-1	13.7-8	—	14.4-5	14.8-9	14.5-6	<15.5	15.6	16.0
.466	14.9	13.9	be	14.0	14.7	15.2	—	15.3-4	15.1-2
.535	14.9	13.9	—	14.5	15.0±.1	15.7	<15.5	15.1	15.1
.600	15.0	13.8	def	—	<15.0	<15.0	—	15.0-1	15.3
60.235	14.8-9	13.8	—	14.4	15.1-2	15.7	<15.0	15.2-3	15.4-5
.300	14.9	13.8	—	14.5-4	14.8	15.7	<15.0	15.3-4	15.5
.365	15.0	14.23	—	14.5	15.2	15.7	15.6-5	15.4	15.7-6
.539	14.7-8	13.9	—	14.7	14.8	14.6	—	15.3-4	15.8-7
61	14.6-5	13.8	—	14.7-6	14.6-5	14.8-9	—	15.1	15.8-7
63	14.9	13.6-7	—	—	15.0	15.0-1	—	15.5	14.9-8
64	15.0	13.9	—	14.4	14.8 ^M	14.6 ^M	15.6±	15.3	15.7
74	14.8	13.9	—	14.4	14.8	14.5-6	14.9	15.6	15.0
78	14.02	13.8	—	14.5	14.9	15.7	14.3	15.6	15.3
79	14.8	14.6	—	14.8	14.8	15.7	14.2	15.1-2	15.7
84	14.8	13.8	—	14.4	14.9	15.7	12.9	15.3	15.3
85.225	14.4	13.8	—	14.4-5	14.9	15.7	—	15.6-7	14.8-9
290	14.8	13.9	—	14.6	14.7	15.7-8	12.5	15.6	15.3
.357	14.9	14.0-13.9	—	14.5	15.0-1	14.8	12.4	15.1-2	15.7
.455	14.9	13.9	—	14.4	15.2-3	14.5	12.5	14.8	15.8
87.243	14.8	13.8	—	14.4 SM	15.0-1	15.8	—	14.9-15.0	14.8-9
.308	14.8-9	14.0-1	—	14.5	14.7	15.0±	—	15.3	15.3
.373	14.8	13.8-7	—	14.7	14.8	14.4	12.3	15.4	15.7
.470	14.8	14.0	—	14.6	14.8	14.8	12.3-2	15.4	16.0
88.265	14.7	13.8	—	14.8	14.8	15.2	12.2-1	15.4	15.7
.330	14.7	13.9	—	14.4	14.6-5	15.7-6	12.2	15.5-4	15.9
.396	14.9	13.7-8	—	14.1-2	14.8	15.7	12.1	14.5	15.8
.497	14.6	13.8	—	<14.6	14.8	15.4±	—	15.3-4	15.7
8006	14.9-7	13.7-8	—	14.4	14.8	14.6	11.8	14.9-15.0	15.5

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MF

		1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.8 6-15.2	1-13.1 2-13.9 3-14.4	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-12.5 2-13.1 3-13.9 4-14.4	1-13.1 2-13.9
		44	34	43	86	40N	12	ATI	44.115	117
21547	8260	14.5-4	14.2-3	15.0	15.2	15.6	15.1	15.1	13.0	
727	8308	14.8	15.4	15.0	16.0	15.6	15.1	14.6	13.1	
769	15	15.5	15.5	15.5	16.0	16.2	15.0	15.1	13.0	
827	35	14.4	15.7	15.5	15.0	16.3	15.0	15.0±	12.9	
876	38	14.7	15.78	15.5	16.0	16.0	14.9	14.8	13.7	
909	42	14.7	15.8	15.5	16.0	16.1	14.9	—	12.9	
22225	95	14.4	15.7	15.5	13.7	15.8±	14.9-8	—	12.9	
248	97	14.7	15.9	15.5	13.7	15.8	14.7-6	12.6	13.2	
369	8423	14.8	15.9	15.5	13.7	14.8	14.8	13.0	13.6	
23147	8667	14.9	15.7	15.5	13.7	15.6	15.2	15.1	12.9	
267	91	15.4	15.7	15.0	14.8	16.0	15.5	15.1	12.8	
611	8753	14.8	13.5-6	14.3	15.0	15.2	14.9	15.1	12.9	
24541	8944	14.4	16.0	14.2	15.5	15.5	14.5	13.8	12.9	
625	9015	14.4	16.0	15.0	16.0	16.1	14.2	11.3	12.9	
667	18	14.5	15.9	15.2-3	16.0	15.6	14.2	11.3	13.0	
835	49	15.0	12.9	16.0	14.6-7	14.3	14.9	11.7	12.9	
844	51	15.0	13.1	16.0	14.8	14.2	15.0	11.8-89	12.9 M	
858	52	15.0	13.2	16.4	14.9	14.2	15.0	12.3	12.9 M	
874	53	15.0	13.2-1	16.0	14.1	14.3	15.0	12.4	12.9 M	
916	71	15.2	13.2	16.0	14.3	14.6	15.3	14.0	13.0	
912	77	14.7	13.2	16.0	14.1-0	14.9	15.5	14.5	12.9	
25005	79	15.2	13.45	16.0	14.0	15.1	15.5	14.56	13.0 M	
016	81	15.0	13.2	16.0	138.7	15.2	15.5-6	15.2	12.9	
046	83	14.8	13.2	16.0	13.7	14.9	15.2	15.4	12.9	
1059100		15.0-15.	14.5-4	16.0	13.5	15.5	15.5	16.0	12.9	
394	28	15.2	15.3	16.0	14.7	15.7	15.3	15.1	12.9	
406	29	15.5	15.8	16.0	14.5	15.5	15.0	15.8	13.0	
536	55	14.8	15.8	16.0	15.3	15.9	14.6	16.0	13.0	
26191	9371	15.3	13.9	15.5	15.3	15.9	14.0	15.6	13.0	
198	73	15.3-2	14.3	15.5	14.6-7	15.9	14.0	15.1	12.9	

		1-14.7 2-15.1 3-15.4 4-15.9	1-14.2 2-14.7	1-13.5 2-14.1 3-14.6	1-12.5 2-13.2 3-13.4	1-13.5 2-14.1 3-14.6 4-15.3	2-13.9 1-14.1 2-14.7 3-15.1	1-11.6 2-12.4 3-13.4	1-13.6 2-14.4	1-12.5 2-13.2 3-13.8	
		23	10.6	12.7	130	18	167	166	88	45.426	hova
25478260		15.5	14.3-4	14.0	12.3	15.1	13.9	12.2	14.5	13.0	—
7278308		15.7	14.5-6	13.9	12.3	13.4	13.8	12.0-14	15.0	12.9	—
769	15	15.5	14.3	13.7-6	12.3	13.8	14.5	11.9	14.7	13.0	—
827	35	15.6	14.4	13.7	12.2	13.8	14.0-1	12.2	15.0	13.1	—
876	38	15.74	14.7-6	13.76	12.0	12.8	14.0	12.1-2	15.0	13.0	—
909	42	15.6	14.5-6	13.6	12.3	12.8	14.1	12.1	14.8	13.0	—
22225	95	15.5	14.3	13.9-4	12.2-1	14.8	14.0	12.2	15.0749	12.9	—
248	97	15.5	14.3	13.8-9	12.2	15.1	14.1	12.2	15.0	13.0	—
3698423		15.7	14.2	14.3	12.3-4	15.4	14.23	12.1	15.1	13.0	—
231478667		15.4-5	14.5-6	13.76	12.7-8	14.4	14.2	12.1	14.9	12.9-8	—
267	91	15.6	14.3	14.3	12.8-9	15.3	14.2	12.2	13.8	12.9	—
6118753		—	14.6-5	14.0	12.4	13.2	14.2	12.1	14.4	12.9	—
245418994		15.4	14.1-0	13.6-7	12.3	15.5	14.1	12.2	16.0	12.9	16.0
6259015		15.6	14.5	14.0	12.3	15.1-8	13.8	11.8	14.5	12.9	—
667	18	15.6-5	14.6-5	13.56	12.4	14.8	13.8	11.8	15.0	13.0	—
835	49	15.7	14.1	13.6	12.4	14.2	13.9	12.2	16.0	13.3	—
844	51	15.5-6	14.2	14.0	12.5-9	14.2	13.9	11.9	16.0	13.0	—
858	52	15.5	14.1	13.9	12.3-4	14.0	13.8	11.9	16.0	13.0	16.2
874	53	15.6	14.3	13.78	12.4	14.0	13.8	12.6	16.0	13.3	—
916	71	15.7	14.3	13.9	12.4	14.1-2	14.2	12.2	15.5	12.9-13.0	—
992	77	15.7	14.3	13.9	12.4	14.4	14.1	12.2	14.1	12.9-13.0	—
25005	79	15.6	14.6	13.6-7	12.4	14.4	14.2	12.2	14.1	13.0	—
016	81	15.5	14.5	13.7	12.4-3	14.3	14.2	12.1	14.5	12.9	—
046	83	15.6-5	14.5-6	13.6	12.4	14.4	14.2	12.1	14.8	13.0	—
105	9100	15.6	14.2	13.6	12.4	14.4	14.2	12.2	16.0	12.9	—
394	28	15.6	14.3	13.8	12.3	15.1	14.7-2	12.2	16.0	13.0	—
406	29	15.6	14.1	13.9	12.3-4	15.45	14.23	12.2	16.0	13.0	—
536	55	15.6	14.4	13.6	12.3	15.4	14.2	12.2	16.1	12.9	—
261919371		15.5	14.2	14.0	12.9	14.3	14.6	12.1	16.0	13.1	—
198	73	15.5	14.3	14.0	12.9	14.25	14.4	12.2	16.2	13.1	—

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MF

		1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.4 6-15.2	1-13.2 2-13.9 3-14.4	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8	1-14.0 2-14.3 3-14.6 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-12.5 2-13.1 3-13.9 4-14.4	1-13.1 2-13.9
		44	34	43	86	40N	1	ATI	44.1157	117
26214	9374	15.2	14.3	16.0	15.3	15.9	13.8	16.0	12.9M	
26230	75	15.2-3	14.3	16.0	15.2	15.9	13.7-8	16.1	12.9	
26257	80	15.3	14.3	16.0	15.4	16.0	13.7	16.0	13.0	
26288	82	15.0	14.3	15.5	15.3	15.6	13.8	16.0	12.9	
26357	97	15.2	15.4	15.5	15.6±	15.6	14.1-2	15	12.9	
26369	99	14.6±	15.4	15.5	15.0	15.9	13.9	15.8	12.9	
26376	9401	14.0±	15.4	15.5	15.9	15.8	14.1	15.9	13.0M	
26449	08	14.4	15.7	15.5	15.6	15.9	14.2	15.8	12.9	
26462	09	14.4	15.7	15.5	15.9	16.0	14.2	15.7	12.9	
26482	10	14.4	15.6-5	15.5	16.0	15.8	14.5	15.8	12.9	
26508	27	14.7	15.8	16.0	16.0	15.9	14.2	13.8	12.9	
26521	28	14.7	15.8	16.2	16.0	15.9	14.2	13.3-4	12.9M	
26528	29	14.6±	15.9	16.0	16.0	15.9	14.6	13.3	12.9M	
26542	31	14.8	16.0	16.2	16.0	16.0	14.7	13.1	12.9M	
26568	33	14.9	16.0	16.3	16.0	16.0	14.9	12.8	12.9M	
26593	34	14.8	15.9	16.0	16.0	16.2-3	14.9	12.8	12.9M	
26600	35	15.0	15.6	16.0	16.0	16.3	14.9	12.7	12.9	
26619	36	15.2	16.0	16.0	16.2	15.6	14.9	12.5	12.9M	
26633	37	15.1	16.0	16.1	16.0	15.9	14.9-15.0	12.7	12.9	
26679	54	15.5	16.0	15.0	16.2	16.2	15.1	12.4	13.0-13.2	
26712	62	15.5	15.9	14.3-2	15.2	16.2	15.2	12.4	13.0	
26713	63	15.5	15.7	13.8	15.2	16.0	15.1	12.4	13.0M	
26728	64	15.5	15.8	13.8	15.1	16.0	15.2	12.4	13.0	
26735	65	15.5	16.0	14.0	15.1	16.1	15.0	11.8	12.9M	
26748	66	15.5	16.0	14.0	15.2	15.6	15.0	11.9	13.0	
26809	82	14.4	16.0	13.3	14.6-7	15.2	15.5	13.0	13.0	
27363	9679	15.5	15.1-2	15.0	15.6-8	15.4	15	12.6		
27413	9703	14.4	15.3	15.0±	14.5±	16.2	15.0	13.3		
27467	28	13.7	15.2	13.8	14.2	15.6	15	15.0		
27492	29	14.2	16.0	14.0-1	14.1	15.6	15	15.3		
27491	30	13.7	16.0	14.2	14.6	16.0	15	15.2		

	1-14.7 2-15.1 3-15.4 4-15.9	1-14.2 2-14.7	1-13.5 2-14.1 3-14.6	1-12.5 2-13.2 3-13.4	1-13.5 2-14.1 3-14.6 4-15.3	2-13.9 1-14.4 2-14.7 3-15.1	1-11.6 2-12.4 3-13.4	1-13.6 2-14.4	1-12.5 2-13.2 3-13.8	
	23	10.6	12.7	130	18	167	166	88	45.426	hova
262149374	15.6	14.3	13.7	12.8	14.3	14.6	12.1	16.0	12.9	26
230 75	15.5	14.3	13.7	13.0	14.3	14.5	12.2	16.3	13.0	230
257 80	15.7	14.4	13.9	13.0	14.4	14.3	12.2	16.0	13.0	257
288 82	15.6	14.3	14.0	13.1	14.6	14.3	12.2	16.0	13.1	288
357 97	15.6	14.2	13.9	13.1	14.7	13.8	12.2	15.5	13.3	3
369 99	15.7	14.1	13.9	13.1-2	14.7	14.0	11.7	13.8	13.1	
376 401	15.5	14.3	13.7	13.1	14.7	13.9	12.0	13.9	13.1	
449 08	15.6	14.3	13.7	13.3	15.2	13.9	11.9	14.4	13.3	
462 09	15.5	14.3	13.9	13.1	15.1	14.1	11.9	14.8	13.3	
482 10	15.5	14.2	13.8	13.1-0	15.4	14.1-2	12.2	15.2	13.1	
508 27	15.7	14.1	13.8	13.0	14.8	14.2	12.1	16.0	13.1	
521 28	15.7	14.1	13.9	13.1	14.8	14.2	12.2	16.0	13.2	
528 29	15.5	14.2	13.8	13.2	14.8	14.2	12.0	16.0	13.0	
542 31	15.7	14.3	13.8	13.2-13	14.9	14.3	12.2	16.3	13.0	
568 33	15.6	14.2	13.9	13.1	15.0	14.4	12.2	16.0	13.0	
593 34	15.7	14.1	13.9	13.0	14.8	14.2	12.1	16.0	13.1	
600 35	15.6-7	14.1	13.8-9	13.0-1	15.9	14.1	12.0	16.0	13.0	
619 36	15.6	14.1	13.9	13.8	15.1	14.1-2	12.1	16.0	13.0	
633 37	15.5	14.1	13.8	13.8	15.1	14.0	12.8	16.0	13.0	
679 54	15.7	14.6	13.9	13.1	14.8	13.8	12.2	16.0	13.0	
712 62	15.7	14.2	13.8	12.9	14.6	13.7	12.1	16.1	12.9	
713 63	15.7-6	14.3	13.8	13.0	14.3	13.7	11.8	16.0	13.2	
728 64	15.5-6	14.0	13.8	12.9	14.2	13.7	12.6	15.0	13.0	
735 65	15.5	14.3	13.9	13.1	14.2	13.7	11.8	15.0	13.1	
748 66	15.7	14.1-2	13.9	13.2-3	14.4	13.8	11.8	16.0	13.0	
809 82	15.8	14.1	13.8	13.0	14.2	13.8	12.1	16.0	12.8	
					14.3		11.9	16.0	13.0	
					14.4		12.2	16.0	13.0	
					14.7		12.2	16.2	13.1	
					14.8		12.2	16.0	13.1	
					14.8		12.1	16.0	13.3	

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MF	JD	1-13.2 2-13.6 3-14.0	1-12.5 2-13.0 3-13.6 4-13.8	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-15.6 7-15.6	1-13.9 2-14.6 3-15.3	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-15.3 2-15.6 3-16.0 4-16.2 5-16.3	1-11.7 2-12.0 3-12.6 4-12.9 5-13.2	1-13.6 2-14.7 3-15.2 4-15.3	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0
21547	8260	14.2	13.4	15.6	14.8-9	14.8	15.5	12.7	14.78	14.2	16.1
727	8308	14.2	13.76	13.5	14.1	15.2	15.7	12.7	14.8	14.2	15.43
769	15	14.3	14.0	13.4	14.3	15.2	15.8	12.5-4	14.8	14.2	15.7
827	35	13.7	14.8	12.3 ^M	14.4	15.8	15.4-5	12.5	14.6-5	14.7	16.3
876	38	13.8	15.0	12.7	14.4	15.8	15.4	12.6	14.5	15.0	16.2
909	42	14.2	15.0	12.7	14.5-6	16.0	15.5	12.5	14.5	15.0-1	16.2
22225	95	14.2	15.0	15.0	14.1	15.8	15.7	12.4	14.5	13.5	15.5
248	97	14.0	15.0	15.0	14.0	16.0	15.8	12.4-5	14.4	13.5	15.2
369	8423	14.3	13.4	16.3	14.0	15.8	15.8	12.5	14.6	13.8	15.8-9
23147	8667	—	—	—	14.0	—	15.5	12.6	14.5	15.1	16.2
267	91	14.3	12.8	15.6	14.4	15.8	15.8	12.8	14.8	13.8	16.3
611	8753	—	—	—	—	—	15.4-5	12.7	14.5-6	13.4	15.5
24541	8994	14.2	15.0	15.6	14.4	15.8	15.8	12.5	14.5	13.8	15.7
625	9015	14.4	15.2	15.6	14.2	15.8	15.6-7	12.3	14.8	13.3	16.3-4
667	18	14.3	15.3	15.6	14.4	15.8	15.5	12.3	14.4	13.3	15.7
835	49	13.9	15.4	15.2	14.2	15.8	15.5	12.5	14.5	13.0	16.2
844	51	13.9	15.9	16.2	14.2	15.8	15.7-6	12.5	14.8	13.2	16.1
858	52	14.3-4.2	15.8	15.6	14.4-5	15.8	15.8	12.6	14.4-5	12.9	16.3
874	53	14.2-4.2	15.4	16.2	14.7	15.8	15.8	12.5-4	14.5	12.9	16.2
916	71	14.4	14.7	15.8	14.3	15.8	15.7	12.2	14.3	13.2	16.3
992	77	14.1	14.4	15.7	14.2	15.0	15.7	12.3-4	14.3	13.2	16.3
25005	79	13.7	13.8	15.2	14.1	15.8	15.6	12.4	14.4	13.5	16.4
016	81	13.5	13.8	15.2	14.1	15.8	15.5	12.4	14.3	13.5-6	16.4
046	83	13.4	13.8	15.2	—	15.0	15.8	12.3	14.1-2	13.6	16.3
105	9100	14.2	13.8	13.7	14.4-5	15.8	15.7	12.4	14.4	13.7-8	16.3
394	28	13.7	13.3	12.3	14.4	14.8	15.8	13.0	14.5	15.1	15.9
406	29	13.3 ^M	13.2	12.2	14.0-1	14.6	15.7	12.8	14.3	15.3	15.4-3
536	55	13.5	12.8	13.1	14.5	13.8	15.7	12.4	14.4	15.8	15.8
26191	9371	14.4	12.9	13.9	14.4	15.8	15.5	12.3	14.6	14.2-3	14.8
198	73	14.3	13.0	14.0	14.4	15.8	15.5	12.4	14.7	14.7	15.0-11.4

1939phae, proj. 26-24B

			1-13.2 2-13.4 3-14.1 4-14.6 5-15.3 6-15.8	✓	a-10.0 b-10.8 1-11.5	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-15.0 2-15.4 3-15.6 4-15.8 5-16.0 6-16.3 7-16.5	1-12.7 2-14.0 3-14.4		1-12.5 2-13.0 3-13.5 4-14.0	1-13.1 2-13.6	69 1-12.7 2-13.4
14			79L	-107L	87	77	94a	3L	BD	BT	75	74	47
21547	8260	15.3	12.7	10.5	13.5	15.1	13.5	—	12.2	13.3	13.8	12.9	
727	8308	15.4	14.3	11.0	13.5	14.9	15.0	—	12.1	13.1	13.5	13.6	
769	15	14.8	14.4	10.8	14.0	14.9	16.0	15.0	12.2	12.8	13.5	14.0	
827	35	13.3	15.3	11.4	13.9	15.0	15.9	—	12.1	12.8	13.6	13.7	
876	38	13.4	15.3	11.4	14.0	14.8	15.3	11.8	12.2	12.6	13.5	13.7	
909	42	13.1	15.8	11.4	14.2	15.1	15.9	—	12.1	12.6	—	—	
22225	95	12.3	15.3	10.7	14.8	15.8	15.3	—	12.0	12.8	—	—	
248	97	12.0	15.0	10.6	14.5	15.6	15.9	11.5	12.1	12.8	13.5	13.5	
369	5423	13.3	14.0	10.8	14.4	15.0	15.5	—	12.0	13.1	13.4	13.2	
23147	8667	13.2	12.5	11.0	13.5	15.1	13.8	14.6	12.1	13.8	13.8	13.2	
267	91	12.3	13.2	11.5	14.0	15.6	12.8	12.1	12.4	13.7	13.8	13.2	
611	8753	14.6	14.6	11.1	14.0	14.9	13.5	11.5	12.2	13.8	13.8	13.2	
24541	8994	12.5	15.6	10.7	14.8	15.3	14.7	15.0	12.0	13.4	13.2	13.2	
625	9015	12.3	15.3	10.3	13.6	15.3	15.8	12.2	12.1	13.3	13.3	13.6	
667	18	12.8	15.3	10.3	13.5	15.6	15.3	12.0	12.1	12.8	13.1	13.6	
835	49	14.0	14.5	10.3	14.6	15.3	15.9	11.0	12.1	13.3	13.2	13.0	
844	51	14.0	14.5	10.5	14.0	15.0	15.3	11.0	12.2	13.3	13.2	13.2	
858	52	14.2	14.4	10.4	13.8	15.0	15.9	10.8	12.1	13.3	13.2	13.0	
874	53	14.0	14.2	10.4	14.2	15.0	15.9	12.5	12.1	13.4	13.4	13.0	
916	71	14.4	13.5	10.5	13.6	14.8	15.9	11.0	12.3	13.3	13.3	13.6	
992	77	14.5	13.0	10.7	13.7	14.7	15.9	11.2	12.4	13.3	13.2	13.6	
25005	79	14.6	13.1	10.7	13.9	14.7	15.9	11.2	12.3	13.5	13.2	13.4	
016	81	14.8	13.1	10.6	13.6	14.7	15.9	—	12.4	13.4	13.0	13.2	
046	83	14.8	13.0	10.7	13.7	14.7	15.3	11.6	12.0	13.6	13.0	13.4	
105	9100	15.4	13.3	10.6	13.7	15.0	15.6	11.8	12.1	13.3	13.2	13.7	
394	28	15.7	14.4	10.7	13.7	15.2	13.5	12.5	12.1	13.3	13.3	13.7	
406	29	15.8	14.2	10.7	13.8	15.1	13.5	12.9	12.2	13.3	13.3	13.6	
536	55	15.9	14.8	10.6	13.8	15.1	12.0	14.7	12.1	13.5	13.4	13.4	
26121	9371	15.4	15.4	10.9	13.6	14.9	12.8	13.5	12.1	13.7	13.3	13.7	
118	73	15.4	15.4	11.0	13.7	14.9	13.8	12.9	12.1	13.9	13.4	13.6	

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MF	JD	1-13.2 2-13.6 3-14.0	1-12.5 2-13.0 3-13.6 4-13.8 5-14.6 6-15.4 7-15.8	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-15.4 7-15.8	1-13.9 2-14.6 3-15.3	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-15.3 2-15.6 3-16.0 4-16.4 5-16.8	1-11.7 2-12.0 3-12.6 4-13.2 5-13.7	1-13.6 2-14.7 3-15.4 4-16.1 5-16.8	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0
26214	9374	14.2 ^{14.2}	12.8	13.6	14.0 ^{14.2-3}	15.8	15.5 ^{15.7}	12.4	14.5 ^{14.7}	14.2	14.4 ^{14.8}
230	75	14.3 ^{14.3}	13.0	13.9	14.3 ^{14.2}	15.8	15.5 ^{15.7}	12.3	14.6 ^{14.5}	14.4 ^{14.8}	14.8 ^{14.8}
257	80	14.4	12.9	13.3 ^{13.3}	14.4	15.8	15.5	12.4	14.6	14.5	15.1
288	82	14.5	12.8	13.4	14.4	15.8	15.5 ^{15.6}	12.4	14.4	14.8	14.8
357	97	14.4	12.9	12.7	14.5	15.8	15.7	12.7	14.4	15.8	15.8
369	99	14.3	12.9	12.3 ^{12.3}	14.5 ^{14.5}	15.8	15.8	12.7	14.2	15.4	15.7
376	9401	14.2 ^{13.9}	12.9	12.7	14.8 ^{14.5}	15.8	15.8 ^{15.8}	12.8	14.2 ^{14.1}	15.4	16.2 ^{16.2}
449	08	14.0-1	13.1	12.3	14.8	15.8	15.8	12.8	14.5	15.2	16.2
462	09	13.9	13.2 ^{13.2}	12.2	14.5	15.8	15.9-	12.9	14.1	15.2	16.2
482	10	13.9 ^{13.9}	13.2	12.1-2	14.5	15.8	15.8	13.0	14.4 ^{14.3}	15.3	16.2
508	27	14.5	14.2	-	14.3	16.1-2	15.8	12.8	14.3	15.4	16.3
521	28	14.5 ^{14.6}	14.2	-	14.2 ^{14.3}	16.0	15.9 ^{15.9}	12.8	14.4 ^{14.4}	15.5	16.3 ^{16.3}
528	29	14.6 ^{14.3}	14.3	12.8	14.4 ^{14.4}	16.0	15.9 ^{15.9}	12.8		15.4	16.3 ^{16.3}
542	31	14.4 ^{14.6}	14.5	13.0	14.1 ^{14.0}	15.6	15.7 ^{15.7}	12.7		15.4	16.2 ^{16.2}
568	33	14.1 ^{14.0}	14.1	13.2 ^{13.2}	14.0 ^{14.0}	15.6 ^{15.6}	15.8	12.8		15.4 ^{15.4}	16.3 ^{16.3}
593	34	14.0 ^{14.2}	14.2	13.2 ^{13.2}	14.0 ^{14.0}	15.3	15.8	12.7		15.6	16.2 ^{16.2}
600	35	14.2	14.5	13.3	14.1	15.2	15.4 ^{15.4}	12.7		15.5	16.2
619	36	14.2 ^{14.1}	14.6	13.3	14.0 ^{14.0}	14.9	15.8	12.6		15.4	16.1 ^{16.1}
63 ³	37	13.9	14.7	13.3	14.0	14.9	15.7	12.5		15.5	16.3
26679	54	14.3 ^{14.4}	15.0	-	14.3 ^{14.2}	14.6	15.8	12.5		15.1-2	16.1 ^{16.2}
26712	62	-	-	-	-	-	15.7	12.5		15.2	16.2
26713	63	14.4 ^{14.3}	15.3	14.8	14.4 ^{14.4}	14.4	15.8	12.4		15.1	16.1 ^{16.1}
26728	64	14.8	15.4	15.1	14.3	14.4	15.8	12.3		15.0-14	16.1
26735	65	14.6 ^{14.6}	15.2	14.9	14.6 ^{14.6}	14.6 ^{14.6}	15.5 ^{15.5}	12.2		15.0	16.0 ^{16.0}
26748	66	14.8	15.4	15.2	14.2	14.6	15.7	12.2-3		15.0	15.9
26809	82	13.8	15.9	16.0	14.8	14.9	15.5	12.2		14.8	15.4
27363	9679	14.2	13.7	13.4		15.8				14.4	15.8-9
413	9703	14.2	15.0	13.4		15.0				15.1	15.8
467	28	13.7-8	15.2	15.7						14.8-7	15.7
482	29	13.5	15.2 ^{15.2}	15.1 ^{15.1}						15.1	15.6 ^{15.6}
491	30	13.6 ^{13.6}	15.4	15.1						15.1	15.7

1939phae:proj:26:43

-15.5		1-13.2 2-13.4 3-14.1 4-14.6 5-14.3 6-15.8	✓	a-10.0 b-10.8 1-11.5	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6 6-15.0 7-15.3	1-12.7 2-14.0 3-14.4	1-12.5 2-13.0 3-13.5 4-14.0	1-13.1 2-13.6	69 1-12.7 2-13.4	
14		79L	107L	81R	77	94a	3L	BDL	BT	75	74E	47
4.4	262149374	14.5	15.8	11.2	13.7	14.9	12.6	12.5	12.1	13.9	13.5	13.8
1.8	230	75	14.4	15.8	11.3	13.7	15.0	12.8	12.5	12.0	14.0	13.6
5.1	257	80	14.7	15.9	11.0	13.7	14.9	12.0	12.0	12.1	14.2	13.8
1.8	288	82	15.1	15.3	10.8	13.6	14.9	12.0	—	12.1	14.2	13.7
5.8	357	97	15.8	15.9	11.0	13.6	15.2	12.0	—	12.0	14.3	13.9
5.7	369	99	15.8	15.4	11.0	13.7	15.2	12.3	11.8	12.1	14.4	13.8
6.2	376	9401	15.9	15.9	11.0	13.6	15.2	12.0	12.0	12.4	14.2	13.7
1.2	449	08	15.8	15.9	11.0	13.7	15.2	12.6	12.0	12.2	14.2	13.2
6.2	462	09	15.9	15.9	10.9	13.6	15.5	12.5	12.0	12.4	14.2	13.2
6.2	482	10	15.9	15.9	10.9	13.7	15.6	12.4	12.0	12.2	14.1	13.1
4.3	508	27	15.9	15.8	10.7	13.6	15.4	13.3	12.2	12.2	14.1	13.2
6.3	521	28	15.9	15.8	10.8	13.7	15.6	13.5	12.4	12.2	13.8	13.8
3.6	528	29	15.9	15.9	10.6	13.8	15.8	13.7	12.5	12.2	13.8	13.6
6.2	542	31	15.3	15.3	10.6	13.8	15.8	13.7	12.5	12.2	14.1	13.3
0.3	568	33	15.9	15.9	10.5	13.7	15.7	13.7	12.5	12.1	13.9	13.4
2.6	593	34	15.3	15.3	10.7	13.8	15.8	13.5	12.5	12.1	13.9	13.5
6.2	600	35	15.3	15.3	10.8	13.8	15.7	13.7	12.5	12.1	13.9	13.5
1.1	619	36	15.1	15.3	10.9	13.7	15.7	14.0	13.5	12.0	13.9	13.4
6.3	633	37	15.3	15.3	10.7	13.8	15.8	13.8	12.6	12.2	13.8	13.4
6.1	679	54	15.4	15.3	10.9	13.7	15.4	15.1	13.9	12.1	13.8	13.4
2.2	712	62	15.3	14.4	11.1	13.7	15.0	15.2	14.1	12.4	13.2	13.1
0.1	713	63	15.3	14.4	11.2	13.7	14.9	15.1	14.3	12.2	13.3	13.6
6.1	728	64	—	14.3	11.0	13.7	15.0	15.1	14.2	12.1	13.4	13.2
1.0	735	65	—	14.2	11.1	13.7	14.9	15.2	—	12.1	13.3	13.4
5.9	748	66	—	14.2	11.0	13.7	14.9	15.4	14.3	12.3	13.3	13.2
5.4	809	82	—	13.6	11.2	13.6	15.0	15.3	14.8	12.1	13.7	13.4
5.8		15.0	15.0	14.7	14.8	14.9	—	—	—	—	—	—
5.8		15.3	15.0	14.6	14.7	14.8	—	—	—	—	—	—
5.7		16.0	12.0	14.7	15.4	no	11.0	—	—	—	—	—
5.6.5		16.0	12.0	14.7	14.8	no	—	—	—	—	—	—
5.7		16.0	12.0	14.7	14.8	no	—	—	—	—	—	—

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plates

		1-15.2 2-15.6 3-15.1	2-13.7 1-14.4 2-14.7 3-15.1	1-11.6 2-12.4 3-13.4	1-14.6 2-15.0	1-13.4 2-14.4	1-15.1 2-15.4 3-15.8	1-15.1 2-15.4 3-15.8	1-12.9 2-14.0 3-14.65	1-15.5 2-15.8
		109	167	166	9	171	162	156	172	159
19426	8688	15.3	14.5	11.8-9	14.7	14.2	15.5-0	15.7-6 ^m	13.8	15.7
19459	99	15.3	14.7 ^m	11.8	14.4-5	14.2	15.0	15.1	13.8	15.3 ^m
19575	8712	15.5	14.9-15.0 ^m	12.6 ^m	14.4-3	13.9	15.4-5 ^m	15.2	13.9	15.4
19592	40	15.4	14.8 ^m	12.1	14.4	14.2	15.4	15.0	13.7	15.6
19601	43220	15.6-7	14.4 ^m	12.1 ^m	14.5	14.2 ^m	15.2 ^m	15.3-2 ^m	13.8 ^m	15.7 ^m
19604	.364	15.2	14.2	11.8	14.3-4	13.6-7 ^m	15.2	15.4	13.8	15.5
19609	44223	15.5	14.3	11.8	14.3	13.9	15.0	15.2	13.8	15.7
19612	.382	15.4	14.2	12.1	14.3	13.9	15.6	15.3	13.7	15.7
19617	45224	15.3	14.2	11.8	14.3	13.5-6	15.1	15.0	13.8	15.6-7
19620	.367	15.5	14.2	11.9-12.0	14.9	14.2	15.0-14.9	15.5	13.9	15.7
19628	48	15.5-6	14.3	12.0	14.5	13.6-5	15.1	15.3	13.8	15.6
19637	49	15.6	14.3-2	12.1	14.5	13.9	15.2	15.3	13.8	15.6
19639	52	-	14.3	12.1	14.4	13.6	15.2	15.3	13.8 ^m	15.4
19887	8960	15.3	14.3	11.8	15.2-3	13.6-7	15.3	15.3	14.6-5 ^m	15.7
20116	9018	15.3	14.0	12.1	14.5	13.9	15.0	15.0	13.9-8	15.4

no
var

19426 8688

459 99

515 8712

592 40

601 43

604

609 44

612

617 45

620

628 48

637 49

639 52

987 8960

20116 9018

	1-15.3 2-15.6 3-16.0 4-16.2	1-15.5 2-15.9	1-15.2 2-15.4 3-15.9	1-15.3 2-15.7 var OK	1-13.7 2-14.5 var OK	1-13.6 2-14.0 3-14.5 var?	1-14.3 2-15.3 16
	154	61	155	170	165	164	163
8688	15.4 ^M	15.6	15.3 ^M	15.5	13.8-7	13.8	14.6-7 D
99	15.6-5	15.4	15.3	15.5	14.1	13.4	15.0-1
8712	15.8	15.5	15.1	15.5	14.2 ^m	13.5 ^M	15.1 ^M
40	16.0	15.4	15.6	15.6 ^m	14.3-4	13.8 ^M	15.1-0
43.220	16.1 ^m	15.4	15.8-7 ^m	15.2 ^M	13.8-7 ^M	13.9 ^m	15.1-0 ^m
.364	16.0	15.6	15.3	15.5	14.0	13.4	15.0 ¹
44.223	16.1	15.8	15.4±	15.7	13.8	13.8	15.1
.382	16.2	15.7	15.6	15.6	14.3-4	13.8 ^m	15.1
45.224	16.1-0	15.4	15.8	15.4	13.6	13.8	14.8
.367	16.1	15.8	15.5-6	15.6	14.3	13.4	14.9
48	16.0	15.6	15.5	15.5	14.3	13.7-8	14.82
49	16.1	15.9	15.8	15.7-6	13.9	13.9-8	—
52	16.0	15.5	15.3	15.3	13.6	13.7-8	15.1
→ 8960	15.5-6	15.4 ⁴	15.8	15.4-5	14.2	13.4 ^M	15.0
9018	16.2	15.4-3	15.8	15.5	14.1	13.8	15.1
		h var					

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plates

1939phae.proj.

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plates

		1-14.7 2-15.1 3-15.3 4-15.9	1-14.4 2-14.7	1-14.8 2-15.3 3-15.9 4-16.2	1-15.2 2-15.5 3-16.0 4-16.4	1-15.5 2-15.9 3-16.3 4-16.7	1-14.9 2-15.3 3-15.8		
		40	23	161	150	157	151	152	158
19426	8688	15.7:	15.5:	14.5	15.1 ^M	15.6 ²	16.2 ^m	15.7 ^m	15.0
19459	99	15.7	15.4-5	14.2	15.8	15.8 ^m	15.9-8	16.0-1	15.5 ^m
19575	8712	15.6 I	15.5	14.5	15.8	15.5-6	16.3	15.8	15.4
19592	40	14.9	15.5	15.0-1	16.1	15.7-8	16.2	15.9-16.0	15.2
19601	43,220	14.8-9	15.5	15.1 ^m	16.1 ^m	15.0-14.9 ^M	15.3 ^M	16.1-2 ^m	14.6 ^M
19604	.364	14.7-6	15.4-5	14.7	15.4	15.8	15.8-4	16.0	15.1
19609	44,223	14.6	15.5	14.3	15.0	15.1-2	15.5	15.9 ²	15.4-5
19612	.382	14.9	15.4	14.3	16.1	16.0	15.9	16.3-4	15.0
19617	45,224	14.9	15.4-5	14.7-8	15.6	15.5-4	16.1	16.0	15.0-14.9
19620	.367	14.9	15.4	15.1	16.0	15.9	16.1	15.9 ²	15.7
19628	48	14.9-15.0	15.3	14.2	16.1	15.9	15.5-4	16.2	15.0
19637	49	14.8	15.3	14.2	16.0	15.8	15.9-8	16.1-2	15.2-1
19639	52	14.8	15.5	14.5-6	15.5-4	15.8	16.3-2	15.8	15.0
19987	8960	—	15.5	14.7-6	16.0	15.7	15.4	15.9 ²	15.0
20116	9018	—	15.4	14.7	15.7	14.8-9	16.2	15.6-7	15.5

		18	13.0	8.8	10	8.1	15	11.4	36.6
19426	8688	14.4-5	12.2	14.5	12.8	15.5	14.2	15.9	
459	99	14.7	12.0	14.6	12.4	15.7	13.9	15.9	
515	8712	14.5	11.8	14.9	12.5-4	15.8	13.6	15.9	
592	40	14.5	11.8	14.8	12.4-5	15.5	13.5	15.2-3	
601	43	13.3 ⁴	12.2-1	14.2	12.6 ²	15.5	13.5	15.3-4	
604									
609	44	13.2 ²	12.0-15	14.9	12.6	15.5	13.4	15.4	
612				14.2					
617	45	13.3	12.5	14.9	12.4	15.5	13.5-4	15.5-6	
620				14.9					
628	48	13.3	12.2	14.9	12.4	15.5	13.5	15.3	
637	49	13.2	12.5	14.9	12.5	15.4-5	13.5	15.3	
639	52	13.3-4	12.0-14.8	14.9	12.4	15.5	13.6	15.3	
987	8960	13.1 ³	12.0	14.8-9	12.7	15.2	14.0-1	15.9	
20116	9018	13.6	12.5	14.5	12.2	15.6 ²	13.6	15.6	

1-15.6 2-16.1 var OK	1-15.0 2-15.4 3-15.9	1-12.5 2-13.2 3-13.7	(12)	1-13.2 2-13.6 3-14.3	1-14.5 2-14.9 3-15.2 4-15.6	11.3 12.0 2.8	14.6 15.2 15.6
153	168	45.1926	Nova.	8	7	16	76
15.4 ^M	15.8	130-1	-	14.0	15.1-2	11.1	15.0
15.7	15.3	13.1	-	13.3-4	15.4	12.6	15.9
15.7	15.8	13.1-0	-	13.0	15.6	13.0	15.0
16.0	15.2 ^M	13.1-0	-	13.7	15.4	13.0	15.9
15.9 ^m 16.0	15.5-6	13.1	-	13.6±	15.3	12.4	15.9
16.0-15.9	15.3-2	13.1	-	-	-	12.3	15.0
16.0-15.9	15.8	13.2	-	13.7	15.1	11.45	15.9
16.0	15.5	13.1	-	-	-	12.2	15.1
15.9-16.0	15.8	13.2	-	13.8	15.1	11.2	16.0
15.9-16.0	15.3-4	13.2	-	-	-	12.2	15.1
16.0	15.7	13.4	-	13.8	15.1	13.0	15.1
16.0	15.8	13.1	-	13.7	14.9±	13.0	14.94
16.0-1	16.0	13.2	-	13.7-8	15.0	12.9	15.3
16.1	15.8	13.2-3	-	13.0	14.7	11.0+	15.4
15.5	15.8	13.2	-	14.4-5	16.0-1	11.0	15.4
11.2	1.9	94a	3				
14.2	12.6	15.3	12.3				
14.2	12.6	15.6	12.7				
13.9	12.8	15	12.8				
14.1-0	13.5	15.2	13.5				
14.2	13.4	14.9	13.4				
14.2-3	13.7	15.3	13.6				
14.3	13.7-8	15.2	13.6				
14.3	13.9	15.23	13.7				
14.12	14.0	14.0	14.0				
14.2	13.9	15.0-4.9	13.8				
		15.3	13.8				
14.0±	14.3	15.3	16.0				

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1-14.0 2-14.6 3-14.8 4-15.4 5-15.6 44	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6 34	1-13.6 2-13.9 3-14.4 43	1-13.5 2-14.1 3-14.6 4-15.3 18	4-13.9 1-14.4 2-14.7 3-15.1 167	1-12.5 2-13.2 3-13.4 130	40	1-13.1 2-13.9 3-14.5 4-15.0 86	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4 1	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1 AI	1-11.6 2-12.4 3-13.4 166
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173	5333.877						12.4					11.8	17
232	5361.741	<u>RH</u>	<14.1				11.8					11.8	23
236	5361.839						11.5		14.1	<13.2	11.8		23
241	5362.772						11.8			<12.9	11.9		24
250	63.848						11.8				11.9		25
270	79.652						11.8			13.4	11.8		27
274	79.760						12.0		14.1	13.4	11.9		27
294	83.740						11.8			12.8	11.8		29
1059	5688.076						13.3				11.8		10
240	5707.567	14.4	13.5	<13.9	14.5	14.1	12.8	<14.4	14.6	14.9	<14.6	11.8	2
275	13.558	<14.6	13.5	—	<14.1	14.1	13.0	<14.4	14.3	<14.8	<14.6	11.7	2
336	46.410						<u>13.2</u>	14.0-14.4	<13.7			11.9	33
359	48.476		13.2		13.9	14.1	13.0	<14.4	13.7	14.5	<14.6	11.8	35
361	64.455		13.8		14.4	14.4	12.7	<14.4	14.3	14.6	<14.6	11.8	36
412	90.340		<13.3			<14.2	12.6-7	<14.1	14.6	14.8	14.8	11.9	41
425	95.352						12.7			14.3	14.4	11.9	42
459	5823.244						12.4				11.5	12.0	45
462	24.288		<13.3				12.3		14.6	12.1-2		11.8	46
513	48.239						12.2-1				12.0	11.9	51
541	62.236						11.8				12.0	11.8	54
872	6063.577		<14.1		14.5	<14.7	11.8-7	<14.1	<14.5	14.7	11.8	11.8	87
901	75.540		<14.1		<14.6	14.2	12.0	<14.1	<14.5	14.6	12.3	11.8	90
947	95.425		<13.3		<14.1	14.0-1	12.4	<14.0		14.2	13.1	11.8-9	94
989	617.474		<13.3			12.2						13.2	98
1044	46.416		<13.3		<13.5		12.2			14.0	<14.6	11.8	104
1067	54.320		<13.3		14.1		12.6	<14.8	<13.9	14.5	<14.6	12.0-1	106
1099	60.341				13.6-7		11.8		14.0		<13.7	11.9	109
1182	77.291		<14.1		14.1		12.8		<13.9	14.2	<14.1	11.9	118
1206	6201.225						12.7				<13.7	12.4-2	120
1209	02.231						12.3				<13.7	11.9	120

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1.6 2.4 3.4 6
 1-13.2 2-13.6 3-14.1 4-14.5 5-15.3
 1-13.2 2-14.4 3-15.6 4-16.0 5-16.4
 1-11.7 2-12.0 3-12.6 4-12.9 5-13.2
 1-13.1 2-13.7 3-14.0 4-14.5 5-15.3
 1-15.0 2-15.5 3-16.0
 1-12.6 2-13.2 3-14.1 4-15.0 5-15.8
 "566"
 1-12.0 2-12.5 3-13.3 4-13.7 5-14.6
 85
 1-13.2 2-13.6 3-14.0
 112
 1-12.5 2-13.0 3-13.6 4-13.8
 19
 89

173	5333	68	12.67						
232	61	13.4	12.6	13.0					
236	61	13.8	12.6	12.8					
241	62	12.7	12.7	12.9					
250	63	13.7	12.7	13.0					
270	79	15	11.8	13.0			12.3		
274	79	13.9	11.9	13.0			12.6		
294	83	13.6	11.8	12.8			12.5-6		
1059	5688	13.3	12.5	68					
240	5707	13.4	12.8	13.8			13.9	13.7	12.8
275	13	13.6	12.9	13.8				13.7	12.7
336	46	13.6	13.0						
339	48	14.4	12.8	13.5			13.8		13.4
361	64	14.5	12.7						
412	90	13.4	13.0						
425	95	13.2	13.1						
459	5823	13.4	13.1						
462	24	13.5	13.0						
513	48	13.7	12.7						
541	62	68	12.7						
872	6063	13.3	12.7						
901	75	13.3	12.5	14.0					
947	95	13.4	12.4						
989	6117	13.6	12.8	13.4					
1044	46	13.8	12.5	13.6					
1067	54	13.3	12.3	13.4					
1099	60	13.0	12.4	13.5					
1182	87	13.4	12.5						
1208	6201	13.6	12.8				13.1		
1209	02	13.6	12.8	68			12.8		

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1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.6 2-13.9 3-14.4	1-13.5 2-14.1 3-14.6 4-15.3	1-13.9 2-14.4 3-14.7 4-15.1	1-12.5 2-13.2 3-13.4	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-11.6 2-12.4 3-13.4	
44	34	43	18	167	130	40	86	1	AI	166

1603 6453.553	13.3	13.9	14.6	13.0	14.3	14.9	11.9	11.7	166
1635 59.501	6			12.5			11.8	11.78	163
1704 73.537	14.1	13.7	14.2	13.0	13.9	14.3	11.6	11.9	170
1861 6507.342	13.3	14.1		12.8	13.9	14.65	13.3	13.5	186
1875 09.402				12.7	14.0	14.4	13.4	12.0	187
1887 12.362				12.2			13.3	11.8	188
1963 55.297	13.12			12.7				11.8	196
2001 64.288	13.2	14.1		12.7	14.5	14.4	14.1	11.9	200
2043 71.288				12.3			13.7	13.2	204
2573 6804.561	13.9	14.1	14.2	12.4	13.9	14.12	14.6	11.9	257
2675 26.485	13.1	14.1		12.2	14.1	14.2	14.6	12.0	267
3258 6922.353	13.3			12.0			12.0	11.9	325
4966 7155.799	13.3			12.2	13.3		13.5	12.1	496
4981 59.834				12.2			13.9	12.0	498
4991 61.800							13.9		499
4002 68.536	14.1	14.2	14.6	12.3	13.9	14.4	14.6	12.0	400
5118 7211.725	13.3			12.2			14.1	12.0	511
4530 7300.254	14.1			12.0	13.6	14.3	12.2	11.9	453
5002 7543.611				12.0			12.3	12.3	500
5037 48.570	13.3	13.5		12.1	13.7	14.7	12.6	11.9	503
5963 65.716	14.4	14.6	14.4	14.6	14.5	14.4	14.78	14.7	596
5987 76.739				12.2	14.1		13.9	11.9	598
5277 14.404	14.1	14.1	14.1	11.8	13.9	14.5	14.6	12.2	527
6089 7636.645	13.5			11.8		14.8	14.6	11.9	608
5507 51.291	13.4	14.1		11.8			13.7	11.9	550
5581 77.263	13.4			12.2					558
6062 7902.633	13.3	13.67		12.2				11.8	606
6100 50.425	14.4	13.2	13.6	14.4	14.0	13.7	14.1	14.3	610
6287 6006.523	14.3	14.3	14.4	14.5	11.9	14.1	14.4	14.6	628
6361 40.323	14.4	14.6	14.0	11.8	14.5	15.0	14.7	11.8	636

	1-13.2 2-13.6 3-14.1	1-13.6 2-14.4 3-15.2	1-11.7 2-12.0 3-12.6 4-12.9 5-13.2	1-15.3 2-15.6 3-16.0	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-15.4	1-13.2 2-13.6 3-14.0	1-12.5 2-13.0 3-13.6 4-13.8	89
	88	10	81	15	114	"866"	83	112	19		
1603	6453	13.8	13.1		13.23			12.7	65-	13.4	
1635	59	<13.8	12.8								
1704	73	14.5	12.8		13.3		14.3	12.7-8	14.5	13.8	
1861	6504	14.2	13.1								
1875	.09	13.8	13.5								
1887	12	<13.6	13.5								
1963	55	<13.6	12.1-2								
2001	64	13.3-4	12.3		<14.0						
2043	71	13.4	12.4								
2573	6804	13.7	12.5		<14.0						
2675	26	<14.0	12.8								
3268	6922	13.5	12.7								
4966	7155	13.89	12.5								
4981	59	13.5	12.8								
4991	61	—	—								
4002	68	13.4	12.3		13.8						
5118	7211	<13.6	12.7								
4530	7300	13.9	12.8-9				13.0				
5002	7543	<13.6	13.1								
5037	48	14.1	12.8		13.3		13.0				
5963	65	14.2	12.4		13.4		13.1	13.8	13.4		
5987	76	<13.6	12.4								
5277	94	13.4	12.8		13.5						
6089	7636	13.2	12.9								
5507	51	13.4	12.8		13.4-5						
5581	77	<13.6	—								
6062	7902	13.8	12.7		13.6						
6100	50	13.4	12.7		13.3			13.6	13.8-4		
6287	8006	13.8	12.5		13.2			13.9	13.2		
6361	40	14.1	12.4		13.5		12.7-8	13.6	13.3-4		

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1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.6 2-13.9 3-14.4	1-13.5 2-14.1 3-14.6 4-15.3	1-13.9 2-14.4 3-15.1	1-12.5 2-13.2 3-13.4	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-11.6 2-12.4 3-13.4
44	34	43	18	167	130	40	86	1	AI
									166

6821	8331.484		m		13.9	11.8			11.8	13.2	68
6849	36.401	14.2	<14.1	no	13.9	11.6		13.6	14.3	11.9	68
6957	90.234	bx	no		14.5	13.6		11.6	14.2	11.8	69
7309	8637.600	13.8	<14.1	<14.4	14.4	14.1	12.8	13.7	14.6	12.8	73
7389	91.488	14.3	<14.1		14.3	14.1	12.6	14.3	14.8	14.7	73
7419	96.487	bx	<14.1		14.1		12.7	13.9	14.8	14.6	74
7507	8748.319	13.8	13.5-6	bx	14.3	12.2			14.9	14.1	75
7553	72.240		12.8-7		13.7	12.0			14.8	14.6-7	75
81821	8990.819								13.4	—	8
8264	9012.767								14.2	11.0	82
7880	14.586	bx	<13.3		14.6	13.7	11.9	13.9	14.2	10.8	78
7910	19.520	14.2	<13.3	<	14.1	13.8	12.0	13.9	14.2	12.5	79
886	52.640	#								bx	8
8052	72.445	14.4	12.8		13.9	14.5	11.8	14.3	14.0	14.0	8
8189	9135.243		<14.1		14.1	12.0		14.3	14.8	14.6	8
8444	9319.603		12.8		14.1	12.9		14.1	14.8	14.6	84
8577	9365.638										85
1307	9369.787								bx	no	13
8603	75.499	14.45	13.9	fr	14.3	14.2	12.7	14.7	13.8	14.9	86
8821	9421.444						12.78		14.2	13.4	88
8828	24.412	14.4	<14.1		14.4	14.2	12.7	14.5	14.5	13.8	88
9057	93:		<14.1	13.8	13.9	13.7	12.8	14.3	14.8	13.8	90
9079	9501:						fr				90
2219	9721.607									13.5	2
	17° ± 0°										1
419	5794.428		<13.3		<13.5	12.8				11.8	41
1713	6480.477		<14.1		<14.1	12.5				11.8	17
1745	82.483		<13.3		14.0	12.7				11.8	17
1925	6543.345		13.1-2		<13.5	12.4				12.0	19
1034	45.275		bx			12.3					10

	1-13.2	1-13.6	1-11.7	1-15.3	1-13.1	1-15.0	1-12.6	1-12.0	1-13.2	1-12.5	89
	2-13.6	2-14.4	2-12.0	2-15.6	2-13.7	2-15.5	2-13.2	2-12.5	2-13.6	2-13.0	
	3-14.6	3-15.4	3-12.6	3-16.0	3-14.0	3-16.0	3-14.1	3-13.3	3-14.0	3-13.6	
	4-14.6	4-15.4	4-12.9	4-16.0	4-14.5	4-16.0	4-15.0	4-13.7	4-14.0	4-13.8	
	5-13.2	5-14.4	5-13.2	5-16.0	5-15.3	5-16.0	5-15.8	5-14.6	5-14.0	5-13.8	
	88	10	81	15	114	"366"	83	112	19		
6821	8331	13.0	12.7					12.7	14.1	ft	
6849	38	12.9	12.6		14.0			13.0	14.1	no	
6957	90	14.1	12.5		13.4						
7309	8637	14.2	12.7		14.0			13.6	14.1	13.4-5	
7389	91	14.0	12.6		13.8				14.3	13.2-1	
7419	96	13.4	12.8		13.8				14.2	12.8	
7507	8748	14.0	12.7		13.3						
7553	72	14.0	12.7		13.2						
821	8990	—	—		—						
8264	9012	—	—		—						
7880	14	14.1	12.5		13.8					no	
7910	19	14.5	12.5		13.2						
886	52	—	—		—						
8052	72	12.9-8	12.2		13.4						
8189	9135	14.2	12.8		14.0			12.3		bst	
8484	9319	13.0-12.9	12.7		13.0						
8577	65	13.6	12.5								
1307	69	—	—								
8603	75	14.1-2	12.5		13.9			13.9	14.2	12.8	
8821	9421	14.3	12.9								
8828	24	14.0	12.8		14.0			12.7-8	14.3	13.3	
9057	93	14.1	12.5							no	
9079	9501	13.6	12.7-8								
2279	9721	—	—								
17 ^h 0 ^o											
419	5744	14.4	12.9		13.7		14.1	13.3	14.1	13.6	
1713	6480	14.4	12.2		13.7		14.1	12.8-7	14.0	13.6	
1745	82	14.4	12.4		13.7		14.1	13.1	14.1	13.0	
1925	6543	13.6	12.0				14.1	13.3	ft	13.0	
1934	45	13.6	12.4								

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1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.6 2-13.9 3-14.4	1-13.5 2-14.1 3-14.6 4-15.3	1-13.9 2-14.4 3-14.7 4-15.1	1-12.5 2-13.2 3-13.4	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-11.6 2-12.4 3-13.4
44	34	43	18	167	130	40	86	1	AI

2081	6586.896	433	435	12.7					11.8
2118	94.299	13.2		12.4±					12.0
2145	6857.457	13.1		12.3					12.2
3538	6976.236								12.5
4907	7125.885	13.1							12.5
3155	40.617	13.5		12.7					12.2
5003	62.844	43.3	43.5	12.6					11.7
4174	7214.414	43.3	43.5	12.0					11.7
4987	7525.622	43.3	44.1	12.0					11.8
5906	7537.834	44.1	44.1						
5173	67.553	44.1	44.1	12.0-11.8					11.7-8
5193	72.535	43.3	43.5	11.8-7					11.78
5410	7628.359	13.31	14.01	12.0					11.8
5458	34.356	13.2	13.7	11.8					12.1-2
6115	54.600	13.1-2	13.5	12.0					12.0
5600	84.296	13.1	43.5	12.7					11.9
6026	7893.610	44.1	14.2	12.1					11.8
6214	7981.436	13.8	13.5	11.8					11.9-12.0
6324	8019.322	14.4	14.3	12.1					11.9
6751	8303.407	14.0	44.6	12.3-4					11.9
6913	67.407	14.2	44.6	11.8					11.9
7268	8604.587	43.3	44.1	12.0					11.8
7673	69.751	44.1	14.1	12.7		13.3	14.1	43.7	11.8-9
7360	71.533	44.1	14.4	12.4					11.8
7458	8720.323	14.7	44.6	12.0					12.1
7714	21.670	14.4	44.1	12.0			14.6	44.1	12.1
7501	45.322	14.2	14.0	12.3					12.1-0
7586	85.242	13.2	13.8	12.0					13.0
7783	8987.565	13.8	44.6	11.8					11.8
822	90.865	43.3	43.5	11.8					11.8

			1-13.2 2-13.6 3-14.1	1-13.6 2-14.4 3-15.2	1-11.7 2-12.0 3-12.6 4-12.9 5-13.2	1-15.3 2-15.6 3-16.0	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9	1-13.2 2-13.6 3-14.0	1-12.5 2-13.0 3-13.6 4-13.8	89
			88	10	81	15	114	"866"	83	112	19		
2081	6586	—	12.61						414.1	413.3	48	12.7-8	
2118	94	—	12.21						414.1	413.3		13.2/13.0±	
2745	6857		12.2			13.3			414.1	413.3			
3538	6476		11.9										
4907	7125											513.0	
3955	40	12.9	12.0±			413.1			414.1	413.3		413.0	
5003	62	13.4±	12.2								13.7	13.2	
4174	7214		12.45								414.0	413.6	
4987	7525	13.45	12.45						no	13.1	13.7-8:	12.8:	
5906	37					13.5			no	13.4	13.7-6	13.8	
5173	67	413.6	11.9			413.1			no	13.4-5	13.7	13.4-2	
543	72	413.6	12.2			413.1			no	13.5	13.5	13.5-2.3	
5410	7628	13.4	13.0							414.0		13.4/413.0	
5458	34	13.9	12.8										
6115	54	412											
5600	84	13.2	12.4										
6026	7893	13.9	12.8			13.5			no	no	48	413.6	
6214	7981	13.1	11.8			13.4			14.4.1	no	13.7	13.5-6	
6324	8019	14.0	12.2			13.4			415.0	14.2±	13.4	13.7-8	
6751	8303	14.6	12.7			14.4±			14.4	13.9	14.1	13.8-9	
6913	67	13.5	12.7			14.0±			414.1	13.6	14.2	414.4	
7268	8604	13.4	12.8			413.7				12.7	14.1		
7673	69	414.3	12.3			14.3					13.9	12.8	
7360	71	14.5	12.6±			14.3					14.2	13.0	
7458	8720	13.1	12.8			13.5-4			no	no	14.2	13.2	
7714	21	13.3	12.54			13.5					13.7	13.2	
7504	45	13.9	12.8			13.5					14.3	13.7	
7586	85	413.6	11.9			13.2-3					48	413.0	
7783	8987	13.4	12.4			14.0					14.1	14.0	
822	90	13.4-5	12.4			14.0±							

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1-14.0	1-13.0	1-13.6	1-13.5	2-13.9	1-12.5	1-13.1	1-14.0	1-12.9	1-11.6
2-14.6	2-13.3	2-13.9	2-14.1	1-14.4	2-13.2	2-13.9	2-14.3	2-13.2	2-12.4
3-14.8	3-14.1	3-14.4	3-14.6	2-14.7	3-13.4	3-14.5	3-14.8	3-13.7	3-13.4
4-15.4	4-14.6		4-15.3	3-15.1		4-15.0	4-15.1	4-14.1	
5-15.6	5-14.9						5-15.4	5-14.6	
	6-15.6							6-15.1	
44	34	43	18	167	130	40	86	1	AI

7923	9022.615	14.2	14.4	15	14.5	14.0	11.8		12.0	79
8120	80.368	14.6	13.98	15	13.7-8	14.2	11.7		12.0-1	81
8250	9160.251	14.6	13.98	15	13.7-8	14.2	11.7		12.0-1	82
1308	9369.869	13.9-8	13.4	15	13.7-8	14.2	11.7	138	12.1	13
8684 ^{RB}	9392.443						13.0		12.2	86
8833 ^{RB}	98.725	13.8	m		14.2	13.8	13.0	14.2-1	12.1	88
8718	99.4182	14.6	14.4		14.4	14.2	12.9-13.0		12.0	87
8838	99.720						13.0	<14.1	11.8	88
8951	9458.317		<14.1		14.3	13.8	12.8		13.3	89
8976 ^{RB}	66	<14.1	14.5	13.8	13.8	12.8			12.1	89
1422	81.586						12.8	12.5	12.3	14
9131	9519.249	<14.1		14.2-2			12.8		11.7	91
2280	9721.857	<13.3					13.0	<13.2	11.7	22
2319	33.826						12.7	13.5	11.9	23
2349	49.780						12.8	14.0	12.0	23
2404	82.691						13.0	14.0	11.7	24
<u>16^h -15^o</u>										
1666	6468.464									16
1710	6475.480								12.1	17
1909	6538.357								11.8	19
2093	88.233						12.8		11.9	20
2103	91.228									21
2502	6769.588						11.8		12.1-2	25
2544	98.618						12.2		12.0	25
2734	6838.511								12.1	27
3221	6913.352								12.1	32
3992	7160.548								12.2	39
5148	7234.641								12.1	51
4482	81.222								11.8-9	44
4918	7515.604						12.1		11.8	49
5845	22.810						12.0		12.0-1	58
5164	66.491						12.2-3		11.8	51

1939phae...

1-13.2 1-13.6 1-11.7 1-13.1 1-12.6 1-12.0 1-13.2 1-12.5
 2-13.6 2-14.4 2-12.0 2-13.7 2-13.2 2-12.5 2-13.6 2-13.0
 3-14.3 3-15.6 3-12.6 3-14.0 3-14.1 3-13.3 3-13.6 3-13.6
 4-12.9 4-13.2 4-12.9 4-14.5 4-15.0 4-13.7 4-13.7 4-13.8
 5-13.2 5-15.3 5-15.8 5-16.0 5-15.8 5-14.6 5-14.0 5-14.0
 88 10 81 15 114 "866" 88 112 19

89

0	7923	4022	14.3	12.4	13.7±			13.9	<14.4
-1	8120	80	13.3	12.2-3	14.2			14.2	13.4
-1	8250	9160	14.5-6	12.5	<14.0	14.2	13.1	13.8	12.8
	1308	9369	14.2±	12.4	14.7±	no	13.0	13.9	13.2
2	8684	92	13.9	12.4	14.0		12.7		12.7
	8833	98	14.2	12.8	<14.5	no	12.3	14.2	12.8
0	8718	99	14.5	12.7-8	<14.0		12.1	14.0±	12.9
8	8838	99	<13.6	12.4	13.8			14	13.2
3	8951	9458	13.0	12.7	<14.0		14.0	14.2	14.4
1	8976	66	13.4	12.5	<14.0	no	14.6	14.5	<14.5
	1422	81	13.7-8	12.2	14.3		14.1		<13.6
7	9131	9519	14.4						
7	2280	9721	13.5	12.7					
	2319	33	<13.6	13.0					
0	2349	49	<13.6	12.7					
7	2404	82	<13.2	11.8					
	1666	6468		12.4					
1	1710	75		12.4.5		<13.2	12.7		
8	1909	6538		12.8		12.8			
9	2093	88		12.4					
	2103	91		12.4					
1-2	2502	6769		12.9					
0	2544	98	13.0	12.4	<14.0				14
	2734	6838		12.1	<12.0				
1	3221	6913	13.5±	12.7-8	14.2±				
2	3992	7160	13.7	12.4	13.3				
1	5148	7234		12.7					
9	4482	81		12.4					
	4918	7515	13.5	12.4	13.5	no			14
-1	5845	22		12.4					
	5164	66	<13.6	<12.2	13.8				<13.3±

74

 1-14.0
 2-14.6
 3-14.8
 4-15.4
 5-15.6
 44

 1-13.0
 2-13.3
 3-14.1
 4-14.6
 5-14.9
 6-15.6
 34

 1-13.6
 2-13.9
 3-14.4
 43

 1-13.5
 2-14.1
 3-14.6
 4-15.3
 18

 a-13.9
 1-14.4
 2-14.7
 3-15.1
 167

 1-12.5
 2-13.2
 3-13.4
 130

40

 1-13.1
 2-13.9
 3-14.5
 4-15.0
 86

 1-14.0
 2-14.3
 3-14.8
 4-15.1
 5-15.4
 1

 1-12.9
 2-13.2
 3-13.7
 4-14.1
 5-14.6
 6-15.1
 AI

 1-11.6
 2-12.4
 3-13.4
 166

5188 7571.485

5988 78.747

6020 96.701

5373 7621.322

5438 7631.324

5606 85.231

5626 90.234

5971 7865.579

6012 90.584

6221 7982.436

6352 8036.238

6737 8286.409

6800 8315.487

7275 8610.523

7357 70.574

7443 8715.393

7481 29.290

7581 83.243

7782 8987.424

7928 9023.535

8000 49.446

8145 9109.321

8455 9297.587

8522 9341.599

8533 47.524

8693 93.400

8713 97.566

8779 9409.404

9098 9508

9716 9779.735

12.2

bt

12.2

12.2

12.2

bt

12.7

12.2

12.0

11.8

12.2

12.2

12.78

12.7

12.6

12.1

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bt

12.2

12.3

12.3

12.3

12.8

12.9

12.9

13.0

13.0

12.9

12.2

12.8

12.0-1

12.3

12.0

11.9

11.9

11.8

13.3

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11.9

12.2

1939phae...

1-13.2 1-13.6 1-11.7 1-13.1 1-12.6 1-12.0 1-13.2 1-12.5 89
 2-13.6 2-14.4 2-12.0 2-13.7 2-13.2 2-12.5 2-13.6 2-13.0
 3-14.4 3-12.6 3-14.0 3-14.0 3-14.1 3-13.5 3-13.6 3-13.6
 4-12.9 4-12.9 4-14.5 4-15.5 4-15.0 4-13.7 4-13.7 4-13.8
 5-13.2 5-15.3 5-15.3 5-16.0 5-15.8 5-14.6 5-14.9
 88 10 81 15 114 "866" 83 112 19

8	5188	7571	<13.6	12.4	13.8	13.6	<13.6
1	5188	78		12.2			
3	6020	96		<12.6			
6	5373	7621	13.52	12.1	<14.0		
9	5438	31	<13.6	12.8	14.12		
	5606	85	<13.6	12.7	14.2		
5	5626	90	<13.6	12.7			
3	5971	7868	13.1	12.5	14.1		
1	6012	90	13.4	12.7	14.3	14.0-1	<13.8
	6221	7982	12.9	12.1	13.0	ws	13.5
	6352	8036	13.8	12.3	13.5	13.6	12.3
9	6737	8287	<13.6	12.7	13.3	14.3	13.7
9	6800	8315	<13.6	12.7	14.0	ws	
1	7275	8610	13.4	12.7	14.1	ws	13.0
0	7357	70	<13.6	12.7	13.9	ws	ws
1	7443	8715	13.4	12.6	13.5	ws	ws
1	7481	29		<12.6			
0	7581	83	<13.6	12.6	12.9		
1	7782	8987	14	12.5			
9	7928	9023	14.1	12.7	13.3	ws	ws
	8000	49	13.9	12.6	13.0		
	8145	9109	13.4	12.7	13.8	13.1-0	
	8455	9297		12.5			
9	8522	9341	12.9	12.7	13.3	ws	ws
	8533	47	13.4	12.6	13.2	ws	ws
	8693	93	<13.6	12.7		12.6	
0	8713	97	<13.6	12.8		ws	13.0-1
0	8779	9409	<13.6	12.8	ws	ws	13.0-2.8
	9098	9508	<13.6	12.23			
	9716	9779		12.2			

74

1-14.0	1-13.0	1-13.6	1-13.5	2-13.9	1-12.5	1-13.1	1-14.0	1-12.9	1-11.6
2-14.6	2-13.3	2-13.9	2-14.1	1-14.4	2-13.2	2-13.9	2-14.3	2-13.2	2-12.4
3-14.9	3-14.1	3-14.4	3-14.6	2-14.7	3-13.4	3-14.5	3-14.8	3-13.7	3-13.4
4-15.4	4-14.6	4-14.4	4-15.3	3-15.1		4-15.0	4-15.1	4-14.1	
5-15.6	5-14.9	5-14.6					5-15.4	5-14.6	
6-15.6	6-15.6							6-15.1	
44	34	43	18	167	130	40	86	1	AI
									166

171-150

312	5408.672										
329	15.668					65			65		31
281	5714.502								65		28
337	46.473								65		33
1227	64.727								65		12
401	77.488								65		4
433	98.414								65		43
12241	6156.664								12.2		22
1654	6460.582								65		16
2008	6565.290								<12.0		20
2050	72.292								12.0		20
2566	6803.562					12.71			11.9		25
2610	09.549					12.7			11.9		26
3019	86.345					12.2			11.9		30
3030	90.397								12.0		30
3034	92.415								65		30
4091	7189.549								12.813p		40
5831	7515.869										58
5013	45.548					12.2			12.0		50
5237	90.485								65		52
5310	7601.354					65			65		53
5559	65.292					65			65		55
6056	7901.616					65			65		60
6305	8012.335					12.1			12.0		63
6349	35.241					12.3			12.1		63
6832	8335.488					12.0			11.9		68
7018	97.321					12.0			12.0		70
7298	8631.489					13.0			12.0		72
7327	44.538								65		73

1999phae... 1334B

1-13.2 1-13.6 1-11.7 1-13.1 1-12.6 1-12.0 1-13.2 1-12.5 89
 2-13.3 2-14.4 2-12.0 2-13.7 2-13.2 2-12.5 2-13.6 2-13.0
 3-14.5 3-15.6 3-12.6 3-14.0 3-14.1 3-13.3 3-14.0 3-13.6
 4-12.9 4-16.0 4-12.4 4-14.5 4-15.0 4-13.7 4-14.0 4-13.8
 5-13.2 5-15.3 5-15.8 5-15.3 5-15.8 5-14.6 5-14.9
 88 10 81 15 114 "866" 83 112 19

312	5408	12.22	bet			bet
329	15	12.2	bet			bet
281	5714	12.8				
337	46	12.9				
1227	164	12.4				
401	77	12.7				
433	98	12.65				
2241	6156	12.2				
1654	6460	12.2				
2008	6565	12.1				
2050	72	12.2-3				
2566	6803	13.3	13.4-14.2			
2610	09	12.2	13.7			
3019	86	12.3	13.3			
3030	90	bet 12.3				
3034	92	12.3				
5130	7189	12.45	13.3			
5831	7515				13.5	
5013	45	12.7	13.5		13.1-0	
5237	90	12.7				
5310	7601	bet 12.8				
5559	65	12.9	bet	14.0		
6056	7901	13.8	13.8			
6305	8012	13.7	13.3		13.4	
6349	35	14.1	13.5		13.0	
6832	8335	13.0	14.3		12.7	
7018	97	bet 12.4	13.4			
7298	1031	12.7	14.0		13.0	
7327	44	12.65				

74

1-14.0	1-13.0	1-13.6	1-13.5	2-13.9	1-12.5	1-13.1	1-14.0	1-12.9	1-11.6
2-14.6	2-13.3	2-13.9	2-14.1	1-14.4	2-13.2	2-13.9	2-14.3	2-13.2	2-12.4
3-14.9	3-14.1	3-14.4	3-14.6	2-14.7	3-13.4	3-14.5	3-14.8	3-13.7	3-13.4
4-15.4	4-14.6		4-15.3	3-15.1		4-15.0	4-15.1	4-14.1	
5-15.6	5-14.9						5-15.4	5-14.6	
	6-15.6							6-15.1	
44	34	43	18	167	130	40	86	1	AI

7395 8692.488					12.7				11.8
7424 99.404					12.2				11.8
7530 8756.238			14.0		12.4				11.8
7556 75.245					12.6				11.8
7797 8993.600					12.2				11.9
7899 9017.603					12.2				11.8
8017 53.403									11.9
8171 9129.324					12.0				12.2
8592 9373.578									11.9
8860 9434.482					13.0				12.0
9038 885									11.8

1939phae 13.4B

1-13.2 2-13.6 3-14.4	1-13.6 2-14.4 3-15.2	1-14.7 2-15.0 3-15.6 4-16.0 5-16.3	1-15.3 2-15.6 3-16.0 4-16.5 5-17.0	1-13.1 2-13.7 3-14.0 4-14.5 5-15.0	1-15.0 2-15.5 3-16.0 4-16.5 5-17.0	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-15.4	1-13.2 2-13.6 3-14.0 4-14.4 5-14.8	1-12.5 2-13.0 3-13.6 4-13.8 5-14.2	89
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8692	13.4	12.8	13.5	no	no	14.3	13.4
99	13.1	12.7	13.4	no	no	13.9	12.8
8756	13.3	12.7	13.2-3	no	no	14.1	<13.8
75	13.8	12.5	13.2-1				
8993	13.4	12.5-4	13.5	no	no	14	<13.6
9017	13.6	12.6	13.4-5				
53	13.5	12.5	13.1-0				
9129	13.5	12.7	14.0	14.2	12.1-2	13.7	12.8-7
9873	13.5	12.7	13.5		13.0	13.4	12.8
9434	13.6	12.7	14.0		12.3	13.8	13.4
85	13.6	12.5	14.2	11.0	11.0	11.0	

90

1-13.2
2-13.4
3-14.0
4-14.6

1-12.5
2-13.2
3-13.8

1-12.7
2-14.0
3-14.4

1-13.0
2-13.4
3-13.6
4-14.2
5-14.6

1-14.4
2-14.8

11.6
1-13.5
2-14.5
3-15.0

79

107

45,1426 kava?

BD

BEE3

994

77

173 5333

232 61

236 61

241 62

250 63

270 79

274 79

294 83

1059 5288

240 5707

275 13

336 46

339 48

361 64

412 90

425 95

459 5823

462 24

513 48

541 62

872 6063

901 75

947 95

989 6117

1044 46

1067 54

1099 60

1182 87

1208 6201

1209 02

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no <14.1 no

no <13.4 no

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<14.1

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11.5

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1-11.3
 2-12.3
 3-12.8
 4-13.2
 BT

1-12.5
 2-13.0
 3-13.5
 4-14.0
 7.5

1-13.1
 2-13.6
 7.4

1-12.7
 2-13.4
 4.7

a-10.0
 b-10.8
 1-11.5-6
 RR

10.7
 11.2
 5.12.9

173	5333					10.3	
232	61			13.3	13.6	10.76	10.5
236	61			4/13.6	13.2	10.6	10.5
241	62		13.2		13.2	11.0	10.5
250	63		13.0±		13.3	10.9	10.6-7
270	79		13.4	13.1-0	13.2	10.3	10.5
274	79	12.5	13.6	12.9	13.4±1	10.6-5	10.4
294	83		13.3	13.4	13.6	10.6	10.5-7
1059	5688	12.4	13.2	13.4	13.2	10.6	10.5
240	5707	11.6	13.3	13.2	13.2	10.5	10.6-8
275	13	11.8	13.7	13.0	13.4	10.5	10.8
336	46		13.2		12.9	10.5	10.6
339	48	12.4	13.0-1	13.5	13.3	10.9-11.0	10.9
361	64	11.9	13.3	13.4	13.2	10.6	10.8-9
412	90	13.1	13.6-7	13.4	13.1-2	10.76	10.9-11.0
425	95	12.7	13.2	13.3-2	13.1	10.5	10.9
459	5823	12.5	13.6-7	13.3	13.1-0	10.8±	10.5±
462	24	12.1	13.6-7	13.4-5	13.5-6	10.5-4	10.5
513	48		13.2			10.5	10.6
541	62		6.5	6.5	6.5	10.5-6	10.8
872	6063	11.9	12.8-9	13.2-3	13.7-8	10.4-5	10.6
901	75	11.9-12.0	12.8	12.9	13.5	10.4-5	10.7-6
947	95	12.5	13.7	12.8-7	13.6	10.4-3	10.6
989	6117	6.5	13.2	12.9	13.5-6	10.3	10.5-4
1044	46	12.2	13.6	13.0	13.3	10.4-5	
1067	54	12.0	13.3	12.8	13.7	10.5	
1099	60	11.8	13.2	12.9	13.2	10.5-6	
1182	87	11.8	6.5	12.8	13.3-2	10.3	
1208	6201			12.9	13.6	10.3	
1209	02	6.5		12.8	13.5	10.3	

90

16h 00

1-13.2
2-13.4
3-14.1
4-14.61-12.5
2-13.2
3-13.81-12.7
2-14.0
3-14.41-13.0
2-13.4
3-13.6
4-14.2
5-14.61-14.4
2-14.811.6
1-13.5
2-14.5
3-15.0

79

107

45.1926 hawa?

BD

BEE3

942

77

1603 6453

no

~~43.8~~

13.0

14.6

<14.2

13.6

1635 59

13.1

1704 73

<14.1

13.1

<14.4

<14.2

13.7

1861 6507

12.4

13.0

<14.4

<14.2

13.7

1875 09

12.3

12.9

<12.7

<13.4

13.7

1887 12

12.2

13.0

<14.0

<13.4

1963 55

13.3-4

2001 64

<13.2

13.0

<14.4

<14.2

13.6

2043 71

13.0

<14.0

<13.6

2573 6804

13.0

14.6

2675 26

12.9

13.0

13.3

<14.0

12.7

3268 6922

13.0

4966 7155

13.3

4981 59

12.2-1

13.0

<12.7

<13.4

4991 61

12.2

13.0

<14.4

<14.2

4002 68

12.2

13.0

<14.4

<14.2

5115 7211

13.0

4530 7300

13.4-5

<13.4

5002 7543

13.4

5037 48

13.4

<14.2

12.3

5963 65

<14.6

13.0

<14.6

12.0

5987 76

5277 94

<13.4

13.1

<14.2

14.4

6089 7636

13.4

14.2

<13.6

5507 51

12.9

13.4

11.8

<13.6

5581 77

6062 7902

<13.4

13.4

6100 50

<14.6

13.1

14.6

<14.4

6287 8006

13.0

12.0

12.2

6361 40

13.0

12.0

13.5

		1-11.3 2-12.3 3-12.8 4-13.2 BT	1-12.5 2-13.0 3-13.5 4-14.0 7.5	1-13.1 2-13.6 7.4	1-12.7 2-13.4 4.7	a-10.0 b-10.8 1-11.5-6 RR	10.7 11.2 512.9
603	6453	12.1	13.3	13.2	13.7	10.5	
635	59					10.7	
704	73	<u>11.9 ±</u>	13.6-7	12.7	12.8-9	10.5-6	
861	6507	12.1	13.4	13.0	13.7	10.5-6	
875	09		13.7	12.8	13.7	10.5	
887	12			bt	-	10.6	
963	55			bt	13.2	10.5	
2001	64	FF	bt	13.4	13.2	10.5	
2043	71		13.2	12.7-6	13.2	10.5	
2573	6804	bt	bt	13.5	13.2	10.6	
2675	26		13.7	13.5	13.7	10.4	
3268	6922				ft	11.2	
4966	7155		ft	bt	12.6	10.6	
4981	59			12.9	13.3	10.6-5	
4991	61	12.0	13.2		ft	10.6	
4002	68	12.0	13.2	12.9	13.6	10.7	
5118	7211				ft	11.2	
4530	7300	12.0	12.8	13.1	13.7	10.6	
5002	7543					10.6-7	
5037	48	12.0	13.2	12.9	12.9-13.0	10.5	
5963	65	11.8	13.6-7	12.8	13.2	10.6	
5987	76				12.9	10.5	
5277	94		13.2	12.7	13.1	10.6	
6889	7636					11.0	
5507	51		13.7		13.2	11.0	
5581	77					0	
6062	7902		13.2	12.9-8	13.5	<u>11.5</u>	
6100	50	12.0	13.7	12.9	13.6	10.6	
6287	8008	12.0	13.5	12.9	13.5	10.3	
6361	40	bt	13.8	12.8	13.3	10.6	

90

1939phae.prd.2

90

16h 0°

R.A. B.M.

79

107

45.1926 kara?

B.D

13.823

994

77

1-13.2
2-13.3
3-14.1
4-14.6

1-12.5
2-13.2
3-13.8

1-12.7
2-14.0
3-14.4

1-13.0
2-13.4
3-13.6
4-14.2
5-14.6

1-14.4
2-14.8

1-13.8
2-14.5
3-15.0

6821 8331 L 14.1 12.9 12.8 <14.2 bf 682

6849 38 13.9 13.0 12.4 <14.2 14.0 684

6957 90 12.0 13.0 11.8 <14.2 ~~<14.4~~ ~~bf~~ 14.1 695

7309 8637 L 13.4 13.0 <14.4 <14.2 ~~<14.4~~ ~~bf~~ 14.1 730

7389 91 12.56 13.3 13.0 12.4 12.0 ~~<14.5~~ 13.7 738

7419 96 13.3 13.0 12.9 12.0 12.2 bf 741

7507 8748 13.0 12.0 14.2 bf 14.0 750

7553 72 13.0 12.2 <14.0 155

821 8990 13.3 <14.0 82

8264 9012 13.0 14.0 <13.4 <14.4 8264

7880 14 12.5 12.9 12.4 <14.2 ~~bf~~ 14.2 ± 788

7910 19 13.0 13.0 12.0 <14.2 13.7 791

886 52 ~~13.6~~ bf 886

8052 72 13.6 13.0 11.8 <14.6 ff 13.6 805

8189 9135 13.2 13.5 ~~<14.2~~ bf 818

8484 9319 12.0 13.0 13.0 <14.4 <13.6 848

8517 9365 13.6 ~~<14.0~~ 12.8 8517

1307 69 13.0 12.8 130

8603 75 <14.1 13.0 12.8 12.0 bf 860

8821 9421 13.0 12.0 bf 882

8828 24 14.1 13.0 12.2 13.1 13.4 882

9057 93 bf 13.0 <14.4 <13.6 13.6 905

9079 9501 907

2279 9721 bf 9721 227

16h -15°

1666 6468 166

1710 6475 171

1909 6538 11.9 13.3 190

2093 88 209

2103 91 210

		1-11.3 2-12.3 3-12.8 4-13.2 BT	1-12.5 2-13.0 3-13.5 4-14.0 75	1-13.1 2-13.6 74	1-12.7 2-13.4 47	a-10.0 b-10.8 1-11.5-6 BR	10.7 11.2 512.9
6821	8331	bt	12.7	13.9	12.7 ^{13.4-3}	11.0	
6849	38	12.0	12.7	13.8	13.4 ^{13.6}	10.1 ^{11.6}	
6957	90	12.3	12.8 ^{12.9}	13.4	13.6	10.5	
7309	8637	12.0	13.7	13.1-0	13.2	10.5	
7389	91	12.0	13.8	13.8	13.5	11.0	
7419	96		13.8 ^{13.9}	13.9	13.6	11.1	
7507	8748	12.0	13.9	13.4	13.7	<u>11.8</u> 0	
7553	72	bt	13.8	13.4	13.5-6	10.6	
821	8990	bt			13.5 ^{13.6}	10.6	
8264	9012		12.8	13.0	13.6	10.5	
7880	14	12.0	13.2	12.8	13.6	10.3	
7910	19	12.0	12.8	13.4	13.6	10.2	
886	52					11.4	
8052	72	12.0	13.0 ^{13.4}	12.8	13.7	10.3	
8189	9135	12.0	12.8 ^{13.3}	12.9	13.0	10.3-4	
8484	9319	12.2	13.7	12.9	13.6	10.5	
8577	65					11.1	
1307	69		13.5	bt	13.6-7	11.0-1	
8603	75	12.0	13.9	13.3	13.6	<u>10.5</u> 9	
8821	9421			13.2-3	13.2	10.5-6	
8828	24	12.0	13.8-4	12.9	13.5	10.3	
9057	93	12.2	13.4	12.8	13.1	10.5 ^{11.0}	
9079	9501				bt	10.5-4	
2279	9721					10.7	
						bt 10.6/10.6	
1666	6468				13.1 ^{13.2}	11.2	
1710	75	<u>12.5</u> ^{8.1}	13.3	12.9	13.0	10.6	
1909	65.38	bt	13.2	12.9	13.2	10.3	
2093	88	bt	bt	bt	13.2	10.5	
2103	91			bt	13.2 ^{13.3}	10.6-7	

1939phae.ppt.2

90

16h 0°

1-13.2
2-13.3
3-14.1
4-14.6

1-12.5
2-13.2
3-13.8

1-12.7
2-14.0
3-14.4

1-13.0
2-13.4
3-13.6
4-14.2
5-14.6

1-14.4
2-14.8

1-13.8
2-14.5
3-15.0

R.A. B.M.

79

107

45, 1926

hava?

R.D.

T.E.E.S

994

77

2502	6769								
2544	98		13.1						
2734	6838	13.0	13.3						
3221	6913	12.0		13.4		no	no		
3992	7160	12.0		13.4		no	no		
5148	7234								
4482	81								
4918	7515	13.9					12.8		
5845	22						12.8		
5764	66	<14.6	13.5			no	12.8		
5188	71	<14.6	13.5			no	12.8		
5988	78								
6020	96								
5573	7621	<14.6	<u><14.1</u>	13.3		no	14.0		
5438	31	<14.6	13.6	13.1		no	no		
5606	85	13.1	13.0			11.5	no		
5626	90					12.0			
5971	7868	12.8	13.1			no	no		
6012	90	13.9	13.0			no	no		
6221	7982	<14.6	13.0			13.0	12.8		
6352	8036	13.5	13.5	13.0		11.9	13.5		13.5
6737	8287	13.4	13.1			no	no		13.5
6800	8315	14.6	13.0			no	no		13.6
7275	8610	<14.6	13.0			no	no		13.5
7357	70	12.8	12.5	13.0		14.4	14.2		13.7
7443	8715	13.6	13.9	13.0		12.0	12.0		13.7
7481	29					12.0			
7581	83		13.0			12.8			
7782	8987	13.2							
7928	9023	13.3	13.3			12.0	no		13.7

		1-11.3 2-12.3 3-12.8 4-13.2 BT	1-12.5 2-13.0 3-13.5 4-14.0 75	1-13.1 2-13.6 74	1-12.7 2-13.4 47	a-10.0 b-10.8 1-11.5-6 BR	10.7 11.2 5129
2502	6769				12.7-8	10.8-9	
2544	98	bt	1	ft	ft	11.0	
2784	6838					11.0	
3221	6913	bt	13.3	12.9-8	13.6	11.0	
3992	7160	12.2	13.5	12.9	13.5	10.2	
5148	7234					11.0	
4482	81					10.6	
4918	7515	bt	ft	12.9	13.6	10.6	
5845	22	bt	13.7		bt	10.5	
5164	66	1		12.9	13.2	10.5	
5188	71	12.0	13.7	12.9	13.6	10.8	
5988	78					11.1	
6020	96					10.7	
5373	7621	12.1	13.6	13.2	13.5	11.1	
5438	31	bt	13.7	13.2	13.1	11.0	
5606	85		13.6	13.8-14	13.4	10.7	
5626	90			13.6		10.5-4	
5971	7868	12.0	13.2	12.9	13.6	10.8	
6012	90	12.0	13.4	13.3	13.2	10.9	
6221	7982	12.0	13.4	13.0	12.9	10.6	
6352	8036	12.0	13.4-5	13.2	13.4	10.6	
6737	8287	12.0	13.2	13.4	13.6	11.1	
6800	8315	12.0	12.8	13.4	13.6	10.7	
7275	8610	12.0	13.2	13.2-3	13.3	10.8-2.1	
7357	70	12.1	13.7	13.4	13.3	10.8	
7443	8715	12.2	13.9	13.7	13.8	11.1	
7481	29			13.7	13.7	11.0	
7581	83	12.0	13.7	13.8	13.6	10.9	
7782	8487	12.0	13.2	13.3	13.7	10.5	
7928	9023	12.0	13.0	12.9	13.6	10.6	

90

16h 0°

MUT B&B

	1-13.2 2-13.4 3-14.1 4-14.6	1-12.5 2-13.2 3-13.8	1-12.7 2-14.0 3-14.4	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6	1-14.4 2-14.8	1-13.8 2-14.5 3-15.0	
	79	107	45,1926 have?	R.D	13.883	944	77
13.9	14.0	13.0		12.0	no		13.7
	14.0	13.0		12.5	-		13.8
	ht						
13.3	14.3	13.0		no	no		14.1
13.5	14.4	13.0		no	no		14.1
	no	13.0		12.3-4	<u>12.0</u>		
	no	13.2		12.0	12.0		13.5
	no	13.0		12.3	12.3		13.7
	12.6	13.4		no	no		13.6

	1-11.3 2-12.3 3-12.8 4-13.2 BT	1-12.5 2-13.0 3-13.5 4-14.0 75	1-13.1 2-13.6 74	1-12.7 2-13.4 47	a-10.0 b-10.8 1-11.5-6 BR	10.7 11.2 5129
1049	12.0	13.6	13.3	13.6	10.5	
9109	12.0	13.4/5	13.1	13.6	10.5	
9297					10.9	
9341	12.0	13.5	13.2-3	13.6	10.3	
47	12.0	13.5	13.3	13.1	10.3	
93	BT	13.9	12.9	13.6	10.9	
97	12.1	13.9	13.2	13.6	11.0	
9409	12.0	13.9	13.3-4	13.3	10.5	
9508	12.1	13.5Z	13.3	13.2	10.5	
9779		12.7	13.3	13.2	10.6	

100

 $17^{\circ} \pm 0^{\circ}$

1-13.2
 2-13.4
 3-14.1
 4-14.6
 79 107

4119 5794

1713 6480

1745 82

< 13.2

1925 6543

1934 45

b5

2081 86

2118 94

2795 6857

3538 6976

4907 7125

3955 40

11.0 no

5003 62

11.5 ±

4174 7214

4987 7525

5906 37

5173 67

< 13.2

5193 72

5410 7628

5458 34

6115 54

5600 84

6026 7893

< 13.4

6214 7981

< 14.1

6324 8019

< 14.6 13.7

6751 8303

< 14.1

6913 67

11.0 < 14.1

7268 8604

< 13.2

7673 69

12.2 13.0

7360 71

11.5 12.5

7458 8720

< 13.2

		79	107
7714	8721	13.1	13.3
7501	45	<13.4	
7586	85		
7783	8987	<13.4	
822	90	13.3	no
7923	9022	13.1	no
8120	80	14.5	13.5
8250	9160	<14.1	
1308	9369	<14.1	13.9
8684	92	<13.4	
8833	98	<14.1	
8718	99	<14.1	
8838	99	—	
8951	9458	<14.1	
8976	66	<14.1	
1422	81	no	
9131	9519	no	12.5
2280	9721	no	12.5
2319	33	no	12.0;
2349	49		13.0 ±
2404	82	—	

102

1-14.0
2-14.6
3-14.4
4-15.4
5-15.61-13.6
2-13.9
3-14.41-13.0
2-13.3
3-14.1
4-14.6
5-14.9
6-15.61-13.1
2-13.9
3-14.5
4-15.01-14.0
2-14.3
3-14.8
4-15.1
5-15.41-12.9
2-13.2
3-13.7
4-14.1
5-14.6
6-15.11-13.5
2-14.1
3-14.6
4-15.31-11.6
2-12.4
3-13.41-13.1
2-14.4

3 plates

44

43

34

40

86

1

AI

18

166

88

2476 2410715.9

144

15

15.11

<13.5

14.7

bt

no

8705 2378.5

<12.4

bt

9988 2672.6

bt

9989 72.6

bt

10020 74.6

<14.1

bt

10021 74.6

11.0

10022 74.6

<12.8

10939 936.8

<12.1

bt

11027 945.9

<13.3

bt

11898 305.5

<12.2

13308 3325.8

13309 25.8

12.5

13342 27.8

12.7

13344 27.8

13.3±

bt

13737 357.7

bt

13973 83.6

13974 83.6

<14.3

<14.1

13982 88.7

14032 84.7

<14.1

<13.9

<14.1

15651 3673.9

<13.6

bt

15938 702.6

<13.8

bt

15939 02.6

15984 09.7

bt

16018 710.7

16024 10.8

<14.1

16026 10.8

<14.6

16146 16.7

<12.4

16227 21.7

16279 23.7

bt

16322 24.7

16325 24.7

16326 24.8

11.5-12.0

1-13.2	1-12.5	1-13.2	1-12.0	1-12.6	1-13.1	1-13.2	1-13.8	1-14.4	1-13.0	1-17
2-13.6	2-13.0	2-13.6	2-12.5	2-13.2	2-13.7	2-13.4	2-14.5	2-14.8	2-13.4	2-12.7
3-14.3	3-13.6	3-14.0	3-13.3	3-14.1	3-14.0	3-14.0	3-15.0	3-15.0	3-13.6	3-14.0
	4-13.8		4-13.7	4-15.0	4-14.5	4-14.6			4-14.2	4-14.0
			5-14.6	5-15.8	5-15.3				5-14.6	5-14.4
			6-14.9						6-15.0	6-14.4
									7-15.3	7-14.4
									8-15.3	8-14.4
									9-15.3	9-14.4
									10-15.3	10-14.4
									11-15.3	11-14.4
									12-15.3	12-14.4
									13-15.3	13-14.4
									14-15.3	14-14.4
									15-15.3	15-14.4
									16-15.3	16-14.4
									17-15.3	17-14.4
									18-15.3	18-14.4
									19-15.3	19-14.4
									20-15.3	20-14.4
									21-15.3	21-14.4
									22-15.3	22-14.4
									23-15.3	23-14.4
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									26-15.3	26-14.4
									27-15.3	27-14.4
									28-15.3	28-14.4
									29-15.3	29-14.4
									30-15.3	30-14.4
									31-15.3	31-14.4
									32-15.3	32-14.4
									33-15.3	33-14.4
									34-15.3	34-14.4
									35-15.3	35-14.4
									36-15.3	36-14.4
									37-15.3	37-14.4
									38-15.3	38-14.4
									39-15.3	39-14.4
									40-15.3	40-14.4
									41-15.3	41-14.4
									42-15.3	42-14.4
									43-15.3	43-14.4
									44-15.3	44-14.4
									45-15.3	45-14.4
									46-15.3	46-14.4
									47-15.3	47-14.4
									48-15.3	48-14.4
									49-15.3	49-14.4
									50-15.3	50-14.4
									51-15.3	51-14.4
									52-15.3	52-14.4
									53-15.3	53-14.4
									54-15.3	54-14.4
									55-15.3	55-14.4
									56-15.3	56-14.4
									57-15.3	57-14.4
									58-15.3	58-14.4
									59-15.3	59-14.4
									60-15.3	60-14.4
									61-15.3	61-14.4
									62-15.3	62-14.4
									63-15.3	63-14.4
									64-15.3	64-14.4
									65-15.3	65-14.4
									66-15.3	66-14.4
									67-15.3	67-14.4
									68-15.3	68-14.4
									69-15.3	69-14.4
									70-15.3	70-14.4
									71-15.3	71-14.4
									72-15.3	72-14.4
									73-15.3	73-14.4
									74-15.3	74-14.4
									75-15.3	75-14.4
									76-15.3	76-14.4
									77-15.3	77-14.4
									78-15.3	78-14.4
									79-15.3	79-14.4
									80-15.3	80-14.4
									81-15.3	81-14.4
									82-15.3	82-14.4
									83-15.3	83-14.4
									84-15.3	84-14.4
									85-15.3	85-14.4
									86-15.3	86-14.4
									87-15.3	87-14.4
									88-15.3	88-14.4
									89-15.3	89-14.4
									90-15.3	90-14.4
									91-15.3	91-14.4
									92-15.3	92-14.4
									93-15.3	93-14.4
									94-15.3	94-14.4
									95-15.3	95-14.4
									96-15.3	96-14.4
									97-15.3	97-14.4
									98-15.3	98-14.4
									99-15.3	99-14.4
									100-15.3	100-14.4

13.410715										
13.42378	bt									
13.42672	12.8									
12	13.2	ft								
74										
74										
74										
936										
45										
3325										
25										
27										
13.8	27	bt/25	12.78							
357	13.2	13.8	13.5	14.2						
83										
83										
8.3	<13.6	14.3	<13.7	13.8	15.0					
84										
673										
<13.6	702									
02										
09										
10										
<13.6	10									
10										
16										
21										
23										
24										
24										
24										

102

 1-14.0
 2-14.6
 3-14.9
 4-15.4
 5-15.6

 1-13.6
 2-13.9
 3-14.4
 4-14.9

 1-13.0
 2-13.3
 3-14.1
 4-14.6
 5-14.7
 6-15.6

 1-13.1
 2-13.9
 3-14.5
 4-15.0

 1-14.0
 2-14.3
 3-14.8
 4-15.1
 5-15.4

 1-12.9
 2-13.2
 3-13.7
 4-14.1
 5-14.6
 6-15.1

 1-13.5
 2-14.1
 3-14.6
 4-15.3

 1-11.6
 2-12.4
 3-13.4

 1-13.1
 2-14.4

44

43

34

40

86

1

AI

18

166

88

3 Photos

16347 13726.6

16353 26.7

16437 30.6

16494 38.7

16776 51.6

16977.8 62.6

17141 86.6

17326 805.5

17648 46.5

18558 946.9

18871 14036.7

18884 14036.9

18885 36.9

19058 55.8

19146 66.8

19436 84.6

19507 96.6

19508 86.6

20390 184.5

20412 185.5

21165 391.8

21195 92.9

22692.4 777.7

22819 786.6

22850 91.6

23098 925.6

23126 26.6

23164 32.6

23323 42.7

23445 49.6

23845 883.6

24984 5042.9

25113 129.9

<14.1

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12.0

6.5

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<13.3

<14.1

<13.9

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<13.7

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<14.1

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<14.1

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P

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<12.2

12.5

11.0

<14.1

<13.8

6.5

6.5

6.5

<13.7

<14.1

11.8

12.9-9

6.5

6.5

12.0

1-13.2 2-13.6 3-14.3	1-12.5 2-13.0 3-13.6 4-13.8	1-13.2 2-13.6 3-14.0	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9	1-12.6 2-13.2 3-14.1 4-15.0 5-15.5	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-13.2 2-13.4 3-14.0 4-14.6	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6 6-15.0 7-15.3	117 1-12.7 2-14.0 3-14.4
1.9	1.2	1.12	8.3	"366"	1.1	1.4	7.9	1.07	7.7	9.4	13.3

13726					14.2	13.01					
26											
13.9 30	13.8	14.3	<13.3								
38						12.0					
51											
13.0 62	12.8		<13.3	14.3	13.0	13.6				<13.4	
86	12.2			<13.7							
805	12.8										
<13.6 46		12.7									
946						12.5	13.3				
14036	12.8			13.5	12.0	13.8	13.4				
14.3 36											
36											
55											
66				14.3							
84				14.12	12.8	14.0	13.7			13.0	
14.0 86										12.8	12.0
86						13.4					
184											
391											12.7
92						12.0					
777											
86											
91											13.1
13.8825			<13.3								
26										12.5	
32											
13.2-142											
13.4 49											
5082											
121	12.8					13.8					11.8

02

1-14.0
2-14.6
3-14.9
4-15.4
5-15.6

1-13.6
2-13.9
3-14.4

1-13.0
2-13.3
3-14.1
4-14.6
5-14.9
6-15.6

1-13.1
2-13.9
3-14.5
4-15.0

1-14.0
2-14.3
3-14.8
4-15.1
5-15.4

1-12.9
2-13.2
3-13.7
4-14.1
5-14.6
6-15.1

1-13.5
2-14.1
3-14.6
4-15.3

1-11.6
2-12.4
3-13.4

1-13.1
2-14.4

44

43

34

40

86

1

AI

18

166

88

Plates

25867 15264.6

<13.7

25871 64.6

14.0: 13.2

12.0

27113 485.8

27114 85.8

<13.7

27116 85.9

<13.3 <13.0

13.0 11.9

27118 85.9

27151 86.8

13.2-0 11.9

27584 542.7

<15.0 <13.9

<13.7

bT

27615 43.8

13.2 <14.1

12.21

27840 72.6

<14.1 <14.5 <14.8

14.0

11.9

27937 5588.6

13.1

28115 99.5

<15.0 14.4 <15.1

12.7

12.0

28151 602.5

12.8

28351 23.5

bT

28352 23.5

bT

28405 31.6

3.1

14.12

bT

28454 33.5

12.4+

29185 828.8

<14.0

12.5+

29187 29.6

bT

29376 54.9

<13.0

12.5

29468 66.7

12.0

29648 84.7

<14.1 <13.0

12.0

29700 85.7

29701 885.7

<14.1

29851 97.8

<13.5

<13.2

bT

29998 913.6

bT

30554 976.6

<12.5

31428 6221.9

31467 22.6

31637 6240.7

<14.8 13.1

31638 40.7

12.0

[illegible]

02

02	1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.6 2-13.9 3-14.4 4-14.9 5-15.4	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-13.5 2-14.1 3-14.6 4-15.3	1-11.6 2-12.4 3-13.4	1-13.1 2-14.4	
Plates	44	43	34	40	86	1	AI	18	166	88
31803 16253.8			<14.1	9.8 ^{100%}					bet	
31912 68.6							12.7			
31914 68.6									<13.2	
31943 269.6			9.3 ^{100%}		<14.8	11.8			11.8	
31944 69.6										
32090 98.6			9.8-9.1	13.7	<14.8	13.5			bet	
32396 337.5			9.7 ^{100%}	10.0 ^{100%}					bet	
32614 61.5			13.2	10.2 ^{100%}						
32615 61.5									bet	
33107 534.9			10.9 ^{100%}	11.0 ^{100%}						
33185 55.8			11.0 ^{100%}	11.2 ^{100%}						
33574 604.7										
33620 05.8			<14.1	11.2 ^{100%}				13.7	12.1	
33651 06.7				11.2-3					<12.4	
33676 07.8				11.2-11			<14.1			
33694 08.8				11.8-6					bet	
33803 24.7				11.6 ^{100%}			<13.7		bet	
33847 26.7									bet	
33848 26.7			<13.3	11.6 ^{100%}						
33888 32.7				11.4 ^{100%}			<13.7			
33889 32.7									bet	
34064 44.6									bet	
34707 712.6				11.6-8			12.7 ^{100%}			
34766 16.5			<13.3	12.3-2					bet	
34922 741.5				12.0 ^{100%}					bet	
35647 933.9				<11.8					bet	
35857 58.8				13.0 ^{100%}			<13.2		bet	
36078 88.7				13.0 ^{100%}					bet	
36571 17068.5				13.0 ^{100%}					12.1	
36658 7075.6									12.2	
36781 80.5				<13.2						
36886 95.5							12.0			

31
1.4

1-13.2 2-13.6 3-14.3	1-12.5 2-13.0 3-13.6 4-13.8	1-13.2 2-13.6 3-14.0	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9	1-12.6 2-13.2 3-14.1 4-15.0 5-15.5	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-13.2 2-13.4 3-14.0 4-14.6	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6 6-15.0 7-15.3 8-15.1	117 1-12.7 2-14.0 3-14.4
19	112	83	"366"	15	114	79	107	77	949	BE=3	BD

13.8216253	12.7	15									
68											
68	12.7			13.9	11.8						
14.0 69										<13.4	20
69			13.2								
13.0 98											
337											
61											
13.82 61	<13.6	13.8; <13.7	<u>14.3</u> <u>14.8</u>	13.8							
534					12.52					<13.4	<12.7
13.52 604										<13.4	<14.0
13.7 05	<13.6										
06											
07											
08	<13.0	<13.3			<13.4	13.2					
13.5 24											
13.4 26						13.0					
26											
32											
13.0 32	<13.6			13.3		65					
44						<14.6	13.6	14.2			
712											
12.2 16	12.7										
41										<13.4	110
933											
13.5 58											
88	13.4; 14.3	<13.7	14.2								
13.47068											
75	<13.6	12.7	14.2								
80											
95											

02

1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.6 2-13.9 3-14.4 4-14.6 5-14.9	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-13.5 2-14.1 3-14.6 4-15.3	1-11.6 2-12.4 3-13.4	1-13.1 2-14.4	
44	43	34	40	86	1	AT	18	166	88

Plates

36887	17095.5								
36951	98.5								
36953	98.6							12.1	
37397	709.8				<12.9			bt	
37412	11.8				<12.9				
37428.9	712.7				<12.9				
37528	27.7	14.4	<14.4	13.2	<13.8		14.4	12.0	13.
37666	755.6						12.4		
38817	8065.8				<13.8		<13.7		
38965	082.7				<13.8				13
40240	8436.8				<12.6		13.6		
40241	36.8								
40483	44.6				<13.0			bt	13
40551	88.6				<12.6			bt	
41316	8818.7				13.0				
41359	20.7				14.1		12.0	<u>12.8</u>	13
41672	69.6			13.2	<12.0				
41673	69.6							bt	
41776	8877.5						<13.7		
48047	21069.6							bt	13.
50420	362.8						11.5	12.2	
56025	26816.499				14.5-6	13.9±	14.9	<15.1	14.
64279	9397.564	14.6±	15.0±	15.0±	<14.5	15.0	14.5	bt	14.
64648	482.342	13.4	<14.6	<15.6	15.34		130±	13.9	14.
F plates								<u>12.1</u>	20
1712	11608.5						bt		
6371	12250.7						bt		
6388	51.7							bt	
12957	3355								
18288	4102				<14.1	14.0			13.
18385	39.								

02

1-14.0 2-14.6 3-14.4 4-15.4 5-15.6	1-13.6 2-13.9 3-14.4 4-14.4	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-13.5 2-14.1 3-14.6 4-15.3	1-11.6 2-12.4 3-13.4	1-13.1 2-14.4	
44	43	34	40	86	1	AT	18	166	88

Plates

22387 14708

24709 5086

24782 5090

25104 119

25302 147

25391 75

25492 196

25765 275

26626 15425.9

42213 23546

43428 878

43562 ME 910

4003 22136

4076 42

4411 86

4429 87

4458 90

4459 90

4476 91

4505 92

4506 92

4605 97

11589 5363.4 14.8 ft <15.6 <15.6 14.7 14.5 14.8 15.5 11.9¹²_{12.0} no

MC

11041 21094

12611 21310.9

12612 10.9

15867 207930 16.16^m -7.5

15882 207930 16.14 -7.5

1667 0.920-2.16

<13.0

$$\frac{<14.1}{<14.5, 15.0, <14.5}$$

<14.1

<13.8

<14.1

<13.2

12.5

12.2

<13.0

12.0-1

<13.0

br

<14.1

<14.1

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1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.6 2-13.9 3-14.4 4-14.9 5-15.6	1-13.0 2-13.3 3-14.1 4-14.6 5-14.9 6-15.6	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-12.9 2-13.2 3-13.7 4-14.1 5-14.6 6-15.1	1-13.5 2-14.1 3-14.6 4-15.3	1-11.6 2-12.4 3-13.4	1-13.1 2-14.4	
44	43	34	40	86	1	AT	18	166	88

Plates

16737 1920-3-29 22403 16^h 20^m -10°

16756 1920-4-9 22424

A plate

690 13000

2633 4147

3855 4884 for 4884

3908 891

4404 15165

4414 5667/67

5587 621

5588 5621

5990 Jul 25 82 5926

6458 6319

8083 7460

8642 8054

8650 8055

8894 118

8914 23

8974 8152

9012 68

9324 457

9326 57

9572 507 16^h 17^m -103

10071 806

10107 27

MC16674 1920-2-20 22375

10472 20923.2

A4417 15171

7491 17416 14.4 no 15.5

8357 742 14.5 14.0 13.321

13.7

67

<13.7

<14.4 14.1

12.5

<14.7 12.2

13.9

<13.3

<14.0 15

<14.1

14.7-8 14.9-15.0

14.9

13.1

14.6 12.6

<15.6 no

no

14.4
13.7

12.5-6.1

1-13.2 2-13.6 3-14.3	1-12.5 2-13.0 3-13.6 4-13.8	1-13.2 2-13.6 3-14.0	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9	1-12.6 2-13.2 3-14.1 4-15.0 5-15.5	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-13.2 2-13.4 3-14.0 4-14.6	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6 6-15.0 7-15.3	117 1-12.7 2-14.0 3-14.4
19	112	83	"366"	15	114	79	107	77	94a	BE=3	BD

22408
241

ft 132.3 no 13.914.2-4
SP

<14.8

13000
13.3 4147
13.4 484

891 12.7
5165

12.7 no 14.4 16.2

13.8
<14.6

14.6

67
621
21

21-? <13.6

14.7

12.5

6319
7460
8054
55

12.8

no no 13.5

118

13.0 23
52
68

457

57 <13.6

507

806

27

22375

20923

15171

13.0 17416 12.8 134

742

15.2 15.1 14.8 13.2

13.7

11.0-3

11.0+

14.62

no <67 13.7-614.9; <14.0 14.4

02

1-14.0
2-14.6
3-14.4
4-15.4
5-15.61-13.6
2-13.9
3-14.41-13.0
2-13.3
3-14.1
4-14.6
5-14.9
6-15.61-13.1
2-13.9
3-14.5
4-15.01-14.0
2-14.3
3-14.8
4-15.1
5-15.4
6-15.11-12.9
2-13.2
3-13.7
4-14.1
5-14.6
6-15.11-13.5
2-14.1
3-14.6
4-15.31-11.6
2-12.4
3-13.41-13.1
2-14.4

44

43

34

40

86

1

AT

18

166

88

Plates

A8776 18091

10131 832

16788 27544.577

17443 7490.534 14.7

17444 90.571

17460 95.453

19353 8252.525

19453 ^{wt} 8646.301

20056 8986.504 14.9±

20204 9051.322 17

20258 76.269

20711 9340.560

15972 ^(mt) 26803.493

7701 17359.6

1675 11605

3763 1908

21081 4522

15.8 no

13.2 bt

15.3±14.6 ^{ns}14.7± ^{bt}

14.5

20056 8986.504 14.9± 13.8 15.2± 15.9±16.0 14.9

20204 9051.322 17 13.8 15.2± 15.7±

20258 76.269

20711 9340.560

15972 ^(mt) 26803.493

7701 17359.6

14.3 13.7

12.8 bt; no

bt no

<12.2

<11.5

<13.2

1-13.2 2-13.6 3-14.3	1-12.5 2-13.0 3-13.6 4-13.8	1-13.2 2-13.6 3-14.0	1-12.0 2-12.5 3-13.3 4-13.7 5-14.6 6-14.9	1-12.6 2-13.2 3-14.1 4-15.0 5-15.5	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.2 3-16.0	1-13.2 2-13.4 3-14.0 4-14.6	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-13.0 2-13.4 3-13.6 4-14.2 5-14.6 6-15.0 7-15.3	117 1-12.7 2-14.0 3-14.4
19	112	83	"366"	15	114	79	107	77	94a	BE=3	BD
18091	13.1	14.2	14.7	15.2	14.2	16.0	12.0	W			11.0 nt
832											<u>14.8</u>
27544 57=14.2 890								14.9	12.5		<14.0
90	14.32	ft	14.8	W	14.8	16.0-215.2	14.0±				<15.0
95											
8252											
13.5 8696 ^{15.6}	13.3	ft	15.1	<15.0	13.8	16.2	13.1				
13.5 8986											
9051											
76											
3.49340 ^{15.12}	13.4	64.3	16.0	<15.8	13.5	16.2					
6803											
14.2 17359 ¹⁷											

118

C. AXAM, etc.

16"20"

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1267	15435	<13.8
1307	43	<11.8
1412	502	<12.1
1473	21	<11.8
896	71	<11.8
1020	5631	<11.3
2548	883	<12.6
1250	85	<12.6
1261	87	<12.1
1279	97	<12.1
2621	910	<12.9 ✓
3409	6185	9.1 ✓
1910	240	8.8 ✓
1937	49	9.2-3 ✓
1951	53	9.3-4 ✓
1964	55	9.5-6 ✓
3362	56	9.8 ✓
3738	93	9.9-10.0 ✓
2092	98	9.8 ✓
2114	6309	9.8 ✓
2118	10	9.6 ✓
3830	42	9.8 ✓ →
5541	45	9.9 ✓
2268	72	9.9 ✓
2287	79	9.8-9 ✓
4668	6531	10.7 ✓
4726	49	11.2 ✓
4825	83	11.2 ✓
2557	89	11.3 ✓

1-12.9
2-13.2
3-13.6
✓
1-12.5
2-13.9
3-13.6
✓
1-12.7
2-14.0
3-14.1
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	40	166	19	15	8
2599	16604	11.5	✓		
4895	08	11.2	✓		
2644	12	11.5	✓		
2720	38	11.6	✓		
5003	53	<11.3			
2786	62	11.7	✓		
2795	63	11.7	✓		
5064	78	<11.3			
2945	707	<11.3	✓		
3041	41	12.3	✓		
6098	6906	11.8			
6162	17	<11.8	✓		
3391	22	<12.3	✓		
6226	32	12.2	✓		
3399	32	<11.8			
6288	52	<11.0	✓		
3478	60	<11.8	12.7?		
6332	66	12.2	✓		
6340	67	12.3	✓		
3504	75	<11.8			
3534	79	<12.3	12.7?		
3654	7019	<11.8			
3687	23	<11.8			
3818	79	<11.8			
5858	96	<12.3			
81	105	<12.1			
4156	298	<12.3			
4203	303	<12.5			
4379	402	<12.3			
4795	698	<12.6			

	40	166	19	15	8
.787-24243	<13.6/4.0	13.2	12.23		bt
.807 73	<14.0	bt	12.2		<13.2
.664 90	<13.6	bt	12.3		13.7
.666 4300	<14.5	bt	13.2		13.4
.629 19	<14.5	bt	12.9		13.5
.626 43	<13.5	12.1	<13.0		13.0
.509 76	<14.0	bt	<13.0		<13.6
.576 98	<13.0	bt	<13.0		<13.2
.764 642	<14.5	bt	<13.6	13.3	14.1
.761 56	<14.5	bt	<13.6	13.4±	<13.6
.628 74	<14.0	bt	<13.6		13.5
.626 4702	<14.5	bt	13.3	13.7±	13.1
9396	<13.6	bt	1.1		
.580 4727	<14.5	bt	12.9	14.1	13.4
.519 655	<14.5	bt			
.577 5326	<14.5	bt	<13.0		13.0+
.413 81	<14.5	bt	<13.0	bt	13.8
.403 409	<14.0	bt	13.4	bt	13.5
.238 476	<14.5	bt	12.6		13.4

17 ± 0.0

16312 9.811

16224 9.4 ^{200?}

26 9.3-2

26 9.3

29 9.2

32 9.3

35 9.2

54 9.3

57 9.6

59 9.6

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AXAM, etc

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~~1-12.9~~
~~2-13.2~~
~~3-13.9~~
~~1-12.5~~
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~~3-13.6~~
~~1-12.1~~
~~2-14.0~~
~~3-13.7~~
~~1-13.0~~
~~2-13.4~~
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~~3-13.4~~

AI 24 19

BD 14.0

3 14.3

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16260 9.6
 68 9.7
 79 9.7
 82 9.7
 88 9.9
 95 9.9
 320 9.9
 37 9.9
 39 9.8-7
 553 10.6
 608 11.1
 42 11.0
 50 11.2
 68 11.0
 91 11.3
 94 11.3
 935 11.3
 39 11.3
 44 11.3
 88 11.8
 89 11.3
 99 11.3
 21 3.0 → 11.3
 220 8.4 11.3

AC 35617 →

AT 16200 bl;
 16200 addition 240285 13.8
 574 4730 9/3.8
 486 5423 13.8
 381 37
 292 65
 242 97

12.00 bl
 bl 12.5
 bl 12.8
 bl 12.8
 bl 13.0
 bl 13.5

	40	166	19	15	8
$16^{\circ} \pm 0^{\circ} 27903.795$	1293.4	bt			13.4
56.420 W	bt	13.0±			13.5
84.390 12.62	12.62				13.8
835.416 W	bt				bt
45.350 W	bt	<13.0			13.1
9394.765 W	bt	bt			<13.6
96.760 <14.5	bt	12.8			<13.6
9437.302 W	bt	13.2			13.5
→ 311449701.868 W	12.7				
1720 8364.420 W	bt				13.8
16-15° 7949.68 W	bt	12.9			13.5
9071.506 W	<u>12.2</u>	<13.0			13.1

June 21, 1938

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AXAM, etc

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~~$6-12.9$
 $7-13.2$
 $8-13.9$~~
 $1-12.5$
 $2-13.9$
 $3-13.6$
~~$1-12.7$
 $2-14.0$
 $3-13.1$~~
~~$1-13.0$
 $2-13.4$
 $3-13.6$~~
 $1-13.8$
 $2-14.5$
~~$1-13.2$
 $2-13.4$~~

AI 24 19

B 14.0

3 14.3

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166

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		1-13.4 2-13.7 3-14.0 4-14.5 5-14.8 6-15.3	1-13.5 2-14.1 3-14.5	1-13.4 2-14.0 3-14.5 4-14.8	1-13.6 2-14.0 3-14.5	1-15.1 2-15.4 3-15.8	1-13.2 2-13.6 3-14.3	1-14.5 2-14.9 3-15.2 4-15.8	1-14.6 2-15.3 3-15.7
MF		51	2	37	98	156	8	7	28
24541	8984	15.2	14.4-3	13.2	14.2	15.5	13.5	16.0	15.1
24625	9015	15.2	14.5	13.2	14.2	15.2	14.5	16.0	15.5
24667	18	15.2	13.7-5	13.8	14.2-1	15.2	14.4	16.1	15.6
24835	49	15.0-1	14.4	13.2	14.2	15.6	14.6	15.1	15.9
24844	51.301	14.2-1	14.7	13.2	13.7-6	15.5-6	14.4	15.1-2	15.8-9
46	.366	14.4	14.0-13.9	13.8	14.0±	15.5	14.4	15.2-3	15.9
48	.432	14.9	13.4	13.2	14.2	15.7	14.4	15.1	16.0
50	.497	15.1	14.3	13.2	14.3	15.6	14.5-6	15.1-2	15.2
52	.562	15.2	14.4-3	14.1	14.2-3	15.3	14.3	15.2-1	14.8
24858	52.302	14.3	14.3	13.3	13.8	15.3	14.2-1	15.3-4	15.1
65	.532	14.7	13.9	13.2	14.3	15.2	14.2-1	15.1-0	15.6
24874	53.370	15.2	14.3	13.8	14.0±	15.3	14.2-1	14.9	15.8
79	.533	13.8	13.5-6	13.6-5	14.2	15.2-3	14.1	15.4	14.8
24916	71	15.2	14.6	13.2	13.8	15.11	13.2-1	14.8	14.8
24992	77	15.2	13.4	13.2	13.9-	15.2-1	12.9	14.6-5	15.1
25005	79.240	14.2	14.7	13.2	14.2	15.2	13.0	14.6-7	15.1-2
07	.305	13.8	14.4-3	13.2	13.6	15.3	13.0	14.8-4	15.1
09	.370	14.1-2	14.4-3	13.4	13.9	15.6±	13.0-1	14.7	15.4-5
25016	81	15.2	14.4	13.2	13.9	15.2	13.0-12	14.6	15.4
25046	83	13.5	13.5-6	14.0±.1	14.4	15.0	12.9	14.7-8	15.1
25105	9100	15.2	14.4	13.3	14.3	16.0	13.2	14.9-8	15.4-5
25394	25	15.0	14.6	13.3	14.2	15.4±	14.2-1	15.5	15.5-6
25406	29	14.1	14.3-4	13.4	14.1-0	15.4±	14.3-2	15.6	15.6
25536	55	15.0	14.5±.1	13.5	14.2	15.3	14.6	16.1	15.7
B64279	24								
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	1-12.3 2-13.0 3-13.4	1-12.8 2-13.1 3-13.6	1-15.2 2-15.5 3-16.0 4-16.4	1-14.4 2-15.0 3-15.4	1-12.5 2-12.8 3-13.3	1-11.3 2-12.0 3-12.8	1-14.6 2-15.2 3-15.8	1-13.6 2-14.2 3-14.9 4-15.5
	12.1	5.0	15.1	3.9	9.5	1.6	7.6	12.3
5994	12.5-1	13.4	15.5	15.0-1	13.0	12.6	16.0	14.0
9015	12.4-5	13.4	15.8	15.0±	13.5-6	12.2	15.7	15.1
18	12.2	13.4-5	15.8	14.8-9	13.0	11.1	15.8±.1	15.4
49	12.6	13.4	15.7	14.8	13.4	12.9	16.0	15.7
51,301	12.6-7	13.3	15.8-9	14.3	13.5	12.3	16.0	14.4
.366	12.6	13.4	15.8	14.3	13.2	12.6	15.9	14.9±.1
.432	12.5	13.3-2	15.1✓	14.8	12.7	12.8	16.0	15.4
.487	12.3-2	13.2	15.3	14.78	12.9	12.6	14.6-7	15.2
.82	12.1	13.4	15.4	14.8	13.3	13.0	15.0	15.4
52,302	12.0	13.4-5	15.4	14.6	13.2-1	12.0	16.0	14.0
.532	12.4	12.7	15.8	14.6	12.6	12.7	14.8	14.7
53,370	12.4	13.4	15.4	14.5-6	13.5	12.0±	16.0	15.6-5
.533	12.1-0	13.4-5	15.9-8	14.6	13.6	12.7	15.4	14.7
71	12.8	13.2-3	15.1	14.6	12.7	12.0	14.7	15.4
77	12.1	13.4	15.3-5	14.5-6	12.8±.1	13.0	15.3-4	14.8
79,240	12.1	13.4	15.9	14.9	13.5	12.7-6	15.2-3	15.2
.305	12.4	13.0	16.0±	14.5	13.5	12.6	15.4	14.7
.370	12.9	12.7-8	15.9	14.8	13.0	12.6	16.0	14.0
81	12.4-5	12.9	15.1	14.4-3	13.4	11.7	15.6	15.6
83	12.8-9	13.7	15.4	14.9	12.8±.1	12.2	15.4	14.1
9100	12.1	13.5	16.0	15.3	13.1	11.9	15.2	14.8
28	12.4	13.5	15.6	15.1	13.1	12.2	16.0	15.4
29	12.4	13.5-4	16.1	14.9	13.1-2	11.9	16.0	15.7
55	12.2	13.5-4	15.2	14.6	12.9-30	12.9	14.7-8	15.7-8
						12.6	16.0	
						13.0	16.0	

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		1-13.2 2-13.6 3-14.3	1-14.5 2-14.9 3-15.2 4-15.8	1-12.5 2-12.8 3-13.3	1-11.3 2-12.0 3-12.8	1-14.6 2-15.2 3-15.8	1-13.6 2-14.2 3-14.9 4-15.5
MF		8	7	95	16	76	123
21547	8260	14.5	15.6	13.5	13.0	15.6	15.3
727	8308	14.7	14.6	13.1	13.0	15.4-5	14.7
769	15	14.7	14.6	13.4	13.0	15.3	14.0-13.9
827	35	13.0	14.3	13.1	13.0	14.5	15.7
886	38	13.0	14.6	13.5	13.0	15.0	14.0
909	42	13.3	14.4	13.2	12.7	16.0	15.7
22225	95	14.1	15.4	12.7	12.6	14.7-8	14.7
248	97	14.4	15.7	13.4-5	11.8	15.3-2	15.8
369	8423	14.6	15.9	13.1	12.9	15.5-2	15.8
23147	8667	14.6	15.1	13.1-2	12.6	16.0	14.0-2
267	91	13.8-7	15.4-5	13.4	13.0	16.0	14.7-6
611	8753	14.0	15.1	13.5	12.2	15.0-1	15.8
26191	9371	14.6	14.7-6	13.0	11.8	16.0	15.8
196	73	14.5	14.8	13.2 ^{13.4}	11.0 ^{11.9}	16.0 ^{15.2}	15.8 ^{15.8}
214	74	14.5	14.6-7	13.2 ^{13.0}	12.9 ^{11.3}	16.0 ^{16.0}	14.9 ^{15.3}
230	75	14.6	14.8	13.3 ^{13.0}	13.0 ^{11.2}	16.0 ^{15.6-7}	13.9 ^{15.8}
251	80	14.6	14.6	12.8	12.7	15.7	15.7
288	82	14.6	14.8	13.5	12.5	—	15.6
357	97	14.6	15.0	12.6-7	13.0	16.0	15.8
369	99	14.4	14.7	13.5-6	12.6	16.1-2	15.0
376	9401	14.4	14.8	13.5 ^{13.0-1}	11.0 ^{11.78}	16.0 ^{16.0}	14.4 ^{15.8}
449	08	14.5	14.7	13.3	12.1	15.6	14.8
462	09	14.5	14.8	13.4	11.8	15.7-6	13.7
482	10	14.5	15.0	13.3-4	11.9	14.6	15.8
508	27	13.8	15.6	13.0	12.4	14.5	15.7
521	28	13.9-2	15.6	13.0 ^{13.1}	12.4 ^{12.0-1}	16.0 ^{16.0}	15.6 ^{15.8}
525	29	14.0	15.4	13.4 ^{13.2-1}	11.4-5 ^{11.6}	14.7 ^{15.3}	15.8 ^{15.7}
542	31	13.8	15.1-5	13.1 ^{13.0}	13.0 ^{13.1}	15.2 ^{15.4}	15.6 ^{15.6}
568	33	13.6	15.5	12.8-9 ^{13.1}	13.1 ^{13.0}	15.5 ^{15.6}	14.9 ^{15.1}
593	34	13.7	15.7	13.0 ^{13.1}	13.0 ^{13.1}	16.0 ^{16.0}	14.9 ^{15.1}

		1-13.2 2-13.6 3-14.3	1-14.5 2-14.9 3-15.2 4-15.8	1-12.5 2-12.8 3-13.3	1-11.3 2-12.0 3-12.8	1-14.6 2-15.2 3-15.6	
		8	7	95	16	76	123
26600	9435	13.5	15.5	13.5	12.7	14.7	15.8
619	36	13.6	15.5	13.4 13.5	12.2 ^{12.7}	15.4 16.0	15.7 ^{15.7}
633	37	13.5	15.4	13.3	11.9	15.4	15.7
679	54	13.0	15.6	13.6 ^{13.5}	13.0 ^{13.1}	16.0 ^{15.1}	15.4 ^{15.8}
712	62	13.5	15.6	13.1	12.9	16.0	15.8
713	63	13.5	15.6-7	13.6 ^{13.5} bot. det.	12.6 ^{12.9} 12.4	16.0 ^{15.7} 15.1	14.8 ^{15.2} 15.8
728	64	14.1	16.0	13.5 ^{13.5}	12.4	15.1	15.7
735	65	13.6	16.0	13.1 ^{13.6}	12.3 ^{12.3} 12.6	16.0 ^{14.4} 15.3	14.7 ^{15.3} 15.7
748	66	13.8	15.6	12.7	11.5	15.4-6	15.8
809	82	14.4-5	15.4	13.5	13.0	16.0	14.8-7
21363	9679	13.7	14.8	12.6	13.0	16.0	
413	4703	13.3	14.8	13.6	13.0	16.0	
467	28	14.1	15.1	13.1	11.9	14.5	
482	29	14.2	15.2-3	13.2	11.4	14.8	
491	30	14.2	15.1	13.1	11.1	14.8	

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		1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.1 2-13.9 3-14.5 4-15.0	1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-13.5 2-14.1 3-14.6 4-15.3	2-13.1 1-14.5 2-14.7 3-15.1	1-13.2 2-13.6 3-14.3	1-11.6 2-12.4 3-13.4	4-14.5 2-14.9 3-15.2 4-15.8	1-13.6 2-14.4	
MF		44	86	40	1	18	167	8	166	7	88
27597	975	15.1	13.7	16.1	—	14.23	14.3	14.1	12.0	16.0	16.0
603	60	15.5	13.7	16.0	14.5	13.9	14.3	14.1	11.8	15.4	16.2
617	62	15.3-2	13.7	16.0-2	—	14.4	14.2-1	14.3	12.0	15.6	<16.0
628	63	15.1-2	13.5-1	16.0	14.4-5	14.4	14.5	14.3	12.0	15.6	<15.6
641	67	15.1	13.5	—	14.6	14.4	65-14.1	14.6	12.0	15.62	—
664	77	14.7	13.6	16.0	14.2	14.6	14.6	14.1	11.9	14.8	<15.6
674	78	14.4	13.3	16.0-1	14.2	14.7	14.6	14.0	12.0	14.8	<15.6
687	79	14.7	13.6	16.1-2	14.5	14.5	14.4	14.1	12.0	14.8	<16.0
698	80										
756	87	14.4	14.0-1	<15.6	14.22	14.0	14.4	14.1	12.0	14.9	<16.0
785	93	14.7	14.42	<15.6	14.2	14.0	14.4	14.2	13.5	15.1	<15.6
787									13.1		
27539	9749	14.8	13.7	<15.0	14.52	14.20	13.7	14.1	12.1	15.6	14.5
566	52	14.6	14.1-2	<15.6	14.82	14.3	14.0±	14.4	12.1	15.9	15.0
27809	Red			↓	↓	↓	↓	↓	↓	↓	↓
828	9806	14.3		<15.5	14.5	14.3	65	13.0	11.98	14.8	no
838	07	14.4		<15.6	65	13.9	13.0	13.5	11.8	14.8	no
848	08	14.3		no	65	13.8	14.1	13.0	65	15.0	no
853	09	14.4		<15.6	65	13.9	14.2	13.0	12.2	15.0	no
878	12	14.4		<15.6	14.22	13.9	14.6	13.0	12.0	15.0	no
891	13	14.6		15.5!!	14.2	14.0	14.3	13.7	11.9	15.0	no
913	16	14.4		no	—	13.9	14.3	13.10	12.2	15.1	14.1
920	18	14.4		15.3!!	—	14.2	14.3	13.0	12.0	15.1	16.0
931	19	14.4		15.4!!	—	13.9	14.3	13.0	11.9	14.78	16.0
938											
944	20	14.1		15.1	—	14.3	14.5	13.3	11.8	14.7	no
958	21	14.3		15.5	14.6	13.9	14.2	12.9	11.8	15.0	no
969	22	14.8		<15.2	+	14.3	14.2	65	12.0	14.7	no
987	23	14.8		no	14.8	14.2	13.3	11.9	14.7	no	
28019	25	15.0		15.4!!	15.0	14.8	14.2	13.8	12.0	14.7	no
824											

	1-12.5 2-13.0 3-13.6 4-13.8	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8 "5-15.3"	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-13.2 2-13.4 3-14.1 4-14.6 5-15.3 6-15.8	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-12.5 2-12.8 3-13.3	11.3 12.0 12.8	131 14.2 15.2 15.6	
112	19	366	15	114	79 107	77	94a	95	16	76	
13.9	14.3	13.9	13.5	16.2	no	13.8	14.3	14.9	13.5	13.0	15.5
13.9	14.2	13.6	13.8	15.9	no	13.9	14.0	15.1	13.1	12.9	16.0
13.5	14.2	13.9	13.9	15.9	no	13.9	14.0	14.9	13.4	12.9	15.9
13.8	14.0	14.0	13.9	15.9	no	14.0	13.9	14.9	13.5	12.8	15.5
13.8	14.0	—	13.5	16.0	—	14.0	14.0	14.9	13.5	11.8	15.5
13.7	13.5	13.9	13.3	16.0	no	14.6	14.1	15.2	13.0	11.1	15.4
13.9	13.6	13.8	13.4	15.9	no	14.8	14.3	14.9	13.0	12.9	15.2
13.8	13.5	13.8	13.3	16.0	no	14.6	14.3	14.9	13.5	12.9	15.5
13.5	13.5	14.1	13.2	15.9	no	15.5	14.3	14.9	13.2	12.0	15.1
—	—	—	13.2	15.9	no	14.0	14.0	13.3	12.2	15.2	15.2
14.2	13.2	15.2					15.1	13.2	12.4	15.7	15.8
14.1	14.2	13.9	13.9	16.2	no	13.0	14.3	14.9	13.6	11.2	16.0
14.3	14.6	14.6	14.3	15.1	no	13.1	14.6	14.9	12.5	13.1	16.0
14.2	13.0	no	12.9	15.7			14.0	14.9			
14.0	13.2	14.7	12.9	16.0			13.9	14.9			
14.0	13.2	15.0	12.9	15.9			13.9	15.0			
14.0	13.2	15.0	12.9	16.0			14.0	15.1			
13.9	13.2	no	13.2	15.9			13.7	14.9			
14.0	13.4	15.8	13.2	15.8			13.8	15.0			
13.9	13.4	14.7	12.9	15.8			13.8	14.9			
13.9	13.3	15.2	13.4	15.8			13.8	14.9			
13.9	13.4	15.4	13.3	15.9			13.9	14.9			
14.0	13.45	15.9	13.3	15.9			14.0	14.9			
13.9	13.5	15.4	13.5	15.8			13.9	14.9			
13.9	13.4	15.0	13.5	15.8			13.7	15.0			
14.0	13.4	15.8	13.45	15.8			13.8	14.9			
14.0	13.4	15.3	13.3	15.3			13.5	14.7			

30

1939phae.proj.8

30	1-14.0 2-14.6 3-14.9 4-15.4 5-15.6	1-13.1 2-13.9 3-14.5 4-15.0		1-14.0 2-14.3 3-14.8 4-15.1 5-15.4	1-13.5 2-14.1 3-14.6 4-15.3	2-13.9 1-14.5 2-14.7 3-15.1	1-13.2 2-13.6 3-14.3	1-11.6 2-12.4 3-13.4	1-14.5 2-14.9 3-15.2 4-15.8	1-13.6 2-14.4
MF	44	86	40	1	18	167	8	166	7	88
28024	9836	15.1	15.4	—	14.8	14.2	13.9	12.0	14.6	no
030	39	14.9	15.2	ft	15.0	14.3	14.0	12.0	14.4	no
068	43	14.7	no	ft	14.8	14.2	14.2	12.0	14.8	no
096	47	14.7	15.1	ft	14.8	14.6	14.2	12.0	14.6	no
109	48	14.8	15.5	—	14.8	14.4	14.2	12.6	14.6	no
111										
161	64	14.8	15.1	no	15.2	14.3	14.6	11.9	15.1	no
166	65	14.4	15.2	—	15.3	14.4	14.6	12.0	15.4	no
216	71	14.4	15.4	—	15.2	14.3	14.6	11.8	15.4	no
230	72	14.4	no	ft	15.1	14.3	14.7-8	11.9	15.4	no

1-13.2 2-13.1 3-14.0	1-12.5 2-13.0 3-13.6 4-13.8	1-12.6 2-13.2 3-14.1 4-15.0 5-15.8	1-13.1 2-13.7 3-14.0 4-14.5 5-15.3	1-15.0 2-15.5 3-16.0	1-13.2 2-13.4 3-14.1 4-14.6 5-15.3 6-15.8	1-13.8 2-14.5 3-15.0	1-14.4 2-14.8 3-15.0	1-12.5 2-12.8 3-13.3	11.3 12.0 12.8	131 14.2 15.2 15.6
112	19	366	15	114	79 107	77	94a	95	16	76

024	9836	15	13.4	-	13.3	15.9	13.5	14.7-6
30	39	14.0	13.3	fluo	13.8	15.7	13.4	14.6
68	43	13.9	13.4	no	13.5	16.0	13.6	14.9
96	47	13.8	13.2	fl	13.4	15.9	14.0/3.9	14.8
109	48	13.9	13.4	no	13.5	15.8	13.8	14.8-9
161	64	14.1	13.2	fl. no	13.7	15.8	13.6	15.2
166	65	14.4	13.2	no	13.5	15.7	13.4	14.9
216	71	14.5	13.2	no	13.5	15.7	13.6	14.9-15.0
230	72	14.7	13.5	no	13.6	15.8	13.6	15.1

34

1-11.3
2-12.0
3-12.81-14.6
2-15.3
3-15.71-13.4
2-14.0
3-14.41-12.3
2-13.0
3-13.41-12.5
2-12.8
3-13.31-14.6
2-15.2
3-15.6

16

28

37

121

95

576

nd

27809

828

9806

11.4

15.3

13.3

12.45

15.3

13.0

838

07

13.1

14.8

13.4

12.5

15.3-4

13.0-1

848

08

13.1

15.6-5

13.2-1

12.1

15.6-5

13.5

853

09.206

12.8

15.4

13.8-7

12.1

15.4

13.1-2

4

.237

12.9

15.8

13.2

12.5

15.4

13.1

5

.272

12.8

14.8

13.1

12.1

15.7

13.2-1

6

.305

13.0

14.8

13.1-2

12.1

15.6-7

13.4-5

7

.337

13.0

14.8

13.4

12.5

15.5-2

13.2

8

.370

13.0

15.1

13.1

12.8

15.4

13.5

9

.402

13.0

15.1

13.6

12.8-7

15.4-3

13.5

60

.434

13.0

15.3

13.6

12.4-5

15.6

13.4

1

.466

13.0

15.3

13.1

12.8

15.4-5

13.5-6

2

.498

12.6

15.2-7

13.1-2

12.4-7

15.7

13.6-7

878

12.214

11.8

15.9

13.2

12.1

15.4

13.5

80

.283

12.7

15.6

13.2

12.0

15.3-4

13.5

82

.352

12.6-7

15.6

13.2

12.4-5

15.5

13.2

84

.420

12.8

15.8

13.2

12.4-5

15.5

13.0-2

86

.485

12.7

15.6

13.8

12.2

14.8

13.0

891

13.214

11.5

14.8

13.8

12.5

15.3-4

13.1

93

.283

11.8

15.1

13.1

12.3

15.3-4

13.5

95

.353

11.8

15.1

13.6

12.0

15.5

13.6

97

.420

12.6

15.6

13.8-7

12.1

15.5

13.8-2

99

.485

12.8

15.7

13.5

12.0

14.8

12.8

913

16.315

13.0

15.8

14.0

12.5

15.4

13.2-1

15

.385

12.6

15.8

13.2

12.8

15.4

13.5

920

18.315

12.8

15.8

14.0

12.1

15.5

13.4-5

22

.385

13.0

15.7

13.2

12.1

15.2

13.0

25

.454

13.0

15.7

13.2

12.1

14.7-8

13.0

	16	28	37	121	76	95
27931 9819.246	13.0	15.5	13.2	12.5	15.3-4	13.5
33 .316	12.9	15.6	13.1	12.5	15.4	13.5
38 .484	12.9	15.7	13.5-6	12.5	15.2	12.9
944 20.211	12.2	15.7	13.2	12.3-1	15.3	13.0-1
46 .276	12.6				15.6	13.1
48 .341	13.0	15.7	13.7	12.0	15.5	13.5
50 .406	12.9	15.7	13.0	12.2	14.7	13.5
52 471	12.7-6	<u>15.6</u>	<u>13.6</u>	<u>12.2</u>	<u>15.1-0</u>	13.5
958 21.211	12.1				15.5	13.0
60 276	12.2				15.5	13.2
969 22.212	11.8-9				15.2	13.1-1
71 281	12.2				15.4	13.1
987 23.	12.2				15.3-4	13.2-1
8019 25	12.2				15.4-5	13.2
024 36	12.6-7				14.7	13.5
030 39.248	12.4				<u>15.1-2</u>	<u>12.4</u>
32 .316	12.6				15.4	12.7-6
068 43.244	11.1				15.4	13.0
70 .30						
096 47.244	13.0				15.4	13.4
98 .310	12.9				15.5	13.3
109 48.244	12.9				15.4	13.6
11 .310	13.0				15.5	13.45
161 64	13.1				15.4	13.5
166 65	12.6				15.6	13.3
216 71	11.3-2				15.4	13.1
230 72	11.1				14.7-8	13.1

Wraypoeten

HLF 524

150

		1-8.8 2-10.0 3-10.8 4-11.4 5-12.5 6-13.2	1-12.2 2-12.7 3-12.1 4-13.5 5-13.9 6-14.1	1-9.2 2-10.3 3-11.0 4-11.8 5-12.5 6-13.2	1-14.9 2-15.4 3-15.9 4-16.4 5-16.9 6-17.4	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2 6-15.5	1-13.0 2-13.4 3-13.7 4-14.0 5-14.3 6-14.6	1-13.8 2-14.2 3-14.5 4-14.8 5-15.1 6-15.4	1-13.8 2-14.2 3-14.5 4-14.8 5-15.1 6-15.4
16320	6710.277	13.5	12.8-9	10.1-0	15.4	14.8	15.6	13.9	14.2
3	.376	13.6	12.7	10.1	15.8	15.0	15.8	13.8	13.7
33 ^b	.474	13.5	12.8 ^m	10.1 ^m	15.8 ^m	15.1 ^m	16.0 ^m	13.8 ^m	13.9
341	11.347	13.5	12.8	10.1	15.6	15.0 ^{out}	15.4 ⁵	13.8	13.6-5
841	13	13.7	12.7	10.0	15.2	14.4	15.2-3	13.8	13.8
350	14	13.7-8	12.7	10.1	15.7-8	14.4-3	15.3	13.9	14.3
360	15	13.8	12.9	9.9	15.8	13.9	15.8-9	13.8	14.1-2
368	17.279	13.8	12.7	9.9	15.7	14.7	15.5	13.9	13.7
71	.374	13.5	12.7 ⁸	10.1	15.7	15.0	15.8	13.9	14.2
74	.472	13.5	13.8 ^m	10.0	15.4	15.0	15.6	13.9	13.6
378	18	—	12.9	10.0	15.4	14.8	15.4	13.8	14.2
387	20	13.8	12.5	10.0	15.1	14.0	15.4	13.9	14.1
394	22	9.8	12.6	9.9	15.2-1	15.0	15.7	14.0	13.5
414	32	13.6	12.6	10.0	15.5-6	14.3	15.6	14.2	14.1
415	35	13.6	12.9	9.9	14.9	14.9	15.7-8	14.3	13.5
18878	7413	13.3	12.8	9.5-6	15.0-1	14.4-5	15.8-7	13.0 ^m	13.6
901	26.274	13.3	12.8	9.6	16.0	14.4 ^I	15.5-4	13.4	13.6
3	.339	13.3	12.6	9.8	16.0	14.7	15.5-4	13.2	13.7
5	.405	13.3-4	12.6	9.8	15.8	14.9	15.5	13.3	14.1
19933	7718.363	15	12.6	10.7	15.2	15.0	15.5	14.2	14.3 ^m
5	.428	—	12.6	—	15.7	15.0	15.7	14.2	14.1
7	.494	—	12.6	10.8	15.5	15.2	15.7	14.3	13.6
9	.559	—	12.6	10.8	15.6	14.7-8	15.8	14.3	13.6
944	22.348	13.5	13.8	10.6	15.8 ⁸	14.7	15.6	14.3	13.6
6	.413	—	12.7	10.7	15.6	14.3-2	15.6	14.2	13.5
8	.478	—	12.6	10.7	15.7	14.6	15.7	13.9	14.0
50	.543	—	12.6	10.8	15.8	14.7	15.6-7	14.1 ^m	14.2
957	23.364	15	12.6	10.9	15.7	15.1	15.8	14.1	13.6
9	.429	—	12.6	10.9	15.6	14.4	15.4-5	14.1	13.6
61	.494	13.4	12.7 ^I	10.9	15.5	14.3	15.7	14.1	13.9
63	.560	—	12.8	10.9	15.6	14.3	15.6	14.2	14.1
973	27	13.6	12.8	10.9	15.8	14.9	15.5	13.9	13.6

1-14.7
2-15.21-14.7
2-15.2
3-15.31-13.8
2-14.1
3-14.71-15.1
2-15.5
3-15.74.9
2-15.1
3-15.4
4-15.61-13.3
2-13.71-13.8
2-14.6

165

1-10.8
2-11.3
3-11.9
3.2

27 44.1901

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23

26

20

34

24

32

16320	6710.277	15.1	8.0	14.5	15.0	15.0	13.4	14.3	11.6
3	.376	15.3	7.8	15.5	14.6	15.1	15.5	13.5	14.1
6	.474	15.3	7.6	15.4	14.8	15.6	15.5	13.7-6	14.0
331	11	15.2	7.8	15.7	15.0	15.6	14.7	13.9	14.0
341	13	15.2	8.3	15.3	15.0	15.7	15.8-7	13.7-6	14.0
350	14	14.8	8.3	15.4	15.1	15.7	15.5-6	13.2	14.0
360	15	15.1	8.0	15.4	14.5	15.6	15.2	13.7	13.8
368	17.279	15.1-2	7.9	14.3	15.5	15.3	13.8	14.4	11.5
71	374	15.1	8.1	15.5	14.9	15.7	15.5-6	13.2	14.5
74	472	15.3	8.1	14.9	14.6-7	15.6	15.7	13.6	13.8
378	18	15.3	7.8	15.4	15.3	15.7	15.0	13.8	14.1-2
387	20	15.2-3	8.3	15.4	15.1-2	15.7	15.5-6	13.1	14.2
394	22	15.0	8.3	15.0	14.5	15.0	14.9	13.8-9	14.1
414	32	15.2-3	8.5	15.1	15.0	15.5	13.8-9	13.7	11.7
415	35	—	8.3	15.2	14.7	15.7	15.4	13.9	13.7-6
18878	7413	15.2	8.3-4	15.3	14.2-3	15.6	15.5	13.5	13.7-4
901	26.274	15.1	8.1	—	14.2-7	—	15.0	13.5-4	14.4
3	.339	15.1-0	8.1	15.0	15.0	15.6	15.0	13.5	14.3
5	.405	15.0	8.3	15.3	15.1	15.7	15.5	13.5	13.7
19433	7718.363	14.6	8.3	15.0	15.1	15.8	15.5	13.7	14.3
5	.428	15.0-19	8.7	15.3	15.1-2	15.5	15.6	13.8	13.9
7	.494	15.1	8.5	15.5	14.5	15.0	15.6	13.7-6	13.9
9	.539	15.3	8.4	15.3	13.8-7	15.5	15.7-8	13.8	14.3
944	22.348	15.1	8.4	15.0	13.8-7	14.9	15.3	13.6	14.3
6	.413	15.3	8.4	15.4	14.5	15.6	15.4	13.6-7	13.9
8	.478	15.0	8.4	15.5	14.8-9	15.7	15.5	13.6	13.9
50	.543	14.8-78.1	8.1	15.5-4	14.9	15.7	15.5	13.7-6	13.9
957	23.364	15.1	8.4	15.3-4	15.3	15.5	15.6	13.3-4	14.3
9	.429	14.9	8.3	15.4	15.3	15.7	15.4	13.2	13.9
61	.444	15.1	8.1	15.5	15.0	15.5	15.2	13.4	13.8
3	.560	15.3	8.0-2	15.4	14.3	15.7	15.4	13.6-7	13.9
973	27	14.8	8.2	15.0	15.0	15.8	15.0	13.4-3	13.8

150

1-8.8	1-12.2	1-9.2	1-14.9	1-13.5	15.1	1-13.0	1-13.8
2-10.0	2-12.7	2-10.3	2-15.4	2-14.1	1-13.1	2-12.4	2-14.5
3-10.8	3-12.1	3-11.0	3-15.9	3-14.6	2-13.6	3-13.7	
4-11.6	4-13.5	4-11.8		4-14.9	3-14.5	4-14.0	
5-12.5	5-13.9			5-15.2	15.8		
6-13.2	6	16	13	12	28		25

21022	8099	—	12.6	9.6-7 ^M	15.9	14.4	15.2 ^M	13.9	14.0
112	69	—	12.6	9.8	15.7	14.3	15.7	14.3	14.0
118	71.396	ft	12.7±.1	10.0-1	15.8	15.0	15.4-3	14.3 ^m	14.0
20	.460	12.3	12.7±	10.0	15.8	15.1	15.5	14.4	14.2
22	528	—	12.6	10.0	15.8	14.2	15.5	14.6	14.3
24	594	—	12.8±	10.0	15.8	14.3	15.7	14.4	13.7
179	79	55???	12.6	10.0	15.2	15.3	15.5	14.5	14.1
218	8104.306	—	12.6	10.1	15.8	15.1	15.5-4	13.5	13.7
20	.371	—	12.6	10.1	15.9	15.2	15.9	13.5	14.0
2	.436	ft	12.7	10.2	15.8	15.2	15.8	13.7	14.0
23	508	12.3	12.7	10.2	15.0 ^M	14.0 ^M	15.8	13.7	14.2
228	05.275	13.3	12.6	10.2	15.7	15.1	15.3-4	13.6	14.0-1
30	.340	—	12.5	10.2	15.8	15.0	15.5	13.4	14.2-3
2	405	13.2	12.7	10.1	15.9	14.9	15.8-7	13.4	14.2
4	474	—	12.7±	10.1	15.9	15.1	15.7-8	13.5	14.2
6	544	—	—	10.0	15.8	15.1	15.9	13.4	13.7
23450	8719	8.7	12.6	10.2	15.2	13.6	15.7	13.3	14.3
483	22	9.0	12.7	10.4	15.6	15.0	15.6-7	13.2	14.3
492	24	9.6	12.6	10.5	15.0	14.4	15.2	13.2	14.4
509	29	12.7	12.8	10.4	15.3	15.0	15.8	13.2	13.6
521	31	13.2	12.6	10.4	15.5	14.5	15.4	13.3	14.2
524	33.591	13.0	12.6-5	10.5	15.8	15.0	15.8	13.3	14.0
6	.656	12.9	12.6	10.1	15.9	13.8	15.3	13.5	14.3
564	45	13.5	12.8	10.1	15.3	14.2	15.5-2	13.7	14.2
585	48	13.5	12.7	10.1	15.5	14.9	15.8	13.8	13.7
604	52.531	13.2	12.6	10.2	15.4	15.1	15.5	13.8	13.9
6	596	13.5	12.7	10.1	15.8	14.4	15.7	14.0	13.9
712	59	9.5	12.6	10.2	15.8	14.4	15.6-7	14.1	14.0
739	63.580	13.3	12.6	10.2	15.3	14.6	15.5	14.2	13.6
741	.645	—	12.6	10.6	15.0	14.8	15.6	14.3	13.6
773	75	13.5	12.5	10.7	15.8	14.8	15.5	14.1	14.0

1939pnae-proj-2

		1-14.7 2-15.2		1-13.8 2-14.1 3-14.7	1-15.1 2-15.5 3-15.7	4.9 2-15.1 3-15.4 4-15.6	1-13.3 2-13.7	1-13.8 2-14.6	165 1-10.8 2-11.3 3-11.9	
		27	44.1901	21	23	26	20	34	24	
21022	8049	14.8 ^M	8.5	15.4	15.0	14.8 ^M	15.7	13.6	13.8	11.5
112	69	14.9-15.0	8.3	14.8	15.1	15.6	15.4	13.5	14.4	11.7
118	71.396	15.2	8.3	15.1	15.1-2	15.6	15.6	13.8	14.1-2	11.1
20	.460	15.4	7.8	14.9	15.1	15.6	15.6 ^m	13.8	14.3-4	11.7
22	.528	14.8	8.0	15.1	15.1	15.8	15.5	13.8	14.4	11.5
24	.594	14.7	8.0	15.8-6	14.7	15.8	15.5	13.9	13.9	11.4
179	79	15.2-3	8.1	15.3	15.1-0	15.6	15.5	13.4	14.0	11.1-2
218	8104.306	14.6	8.1	15.4	15.1-2	15.9	15.3	13.7	14.2	11.5
20	.371	14.9	8.4	15.4	15.0-1	15.9	15.5	13.6	14.3	11.5
23	.436	15.1	8.5	14.8	13.6	15.9	15.5	13.8	14.5	11.2
4	.508	15.3	8.1-2	15.0-1	13.9	15.8	15.7	13.8	13.8	11.7
228	05.275	15.1-0	8.4	15.4	15.1	15.6-7	15.7	13.4	13.9	11.7-8
30	.340	15.3	8.3	15.5	15.1	15.8	15.0	13.4-5	14.2	11.2
2	.405	15.0-1	8.1	14.9 ^M	15.3	15.8	15.0 ^M	13.6	14.4	11.7
4	.474	14.7-2	8.2	14.8	15.3	15.5-2	15.4	13.7	14.2	11.4
6	.544	15.0	8.1	15.4	15.1-0	14.9	15.5	13.8	13.6	11.6
23450	8719	15.0	8.3	15.2-1	15.1-2-1	15.9	15.5	13.6	14.2	11.4
483	22	14.7	8.1	15.3-4	15.1-0	15.8	15.7	13.8	13.9	11.5
492	24	15.1	8.4	15.6	15.1	15.9	15.0	13.8-7	14.0	11.1-2
509	29	15.3	8.3	15.5	15.3-4	15.6	15.6	13.6	14.0	11.7
521	31	15.6	—	15.5	15.4	15.7	14.9	13.8	13.9	11.7
524	33.591	14.8	8.3	15.8	15.3	15.8	15.6-5	13.4	14.1	11.1
6	.656	14.8	8.4	15.4-5	15.1-0	15.7	15.6	13.5-6	14.0	11.8
564	45	14.8	8.4	15.3	15.2-3	15.6	15.0-1	13.7	14.3	11.6-5
585	48	15.3-4	8.3	15.1	15.0	15.8	15.5	13.7	14.2	11.1 ^M
604	52.531	15.4	8.2	15.3	15.0-2	15.7	15.3	13.6	13.9	11.5
6	.596	15.0	8.3	15.0	14.5-7	15.8	15.5	13.6	14.4	11.5
712	59	15.3	—	15.4-5	14.3	15.7	15.5	13.7	14.4	11.3-1
739	63.580	15.3	—	15.5	15.0	15.8	15.3	13.4	14.1	11.4
741	.645	15.0	7.8	15.7	15.1-2	15.8	15.4	13.5	14.3	11.2
773	75	15.0	8.0	15.5	14.9	15.7-8	15.7	13.6	14.4	11.7

150

		1-8.8 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9 6-14.2	1-9.2 2-10.3 3-11.0 4-11.8 5-12.5 6-13.2	1-14.9 2-15.4 3-15.9 4-16.4 5-16.9 6-17.4	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2 6-15.5	15.11 1-13.1 2-13.6 3-14.1 4-14.6 5-15.1 6-15.6	1-13.0 2-13.4 3-13.7 4-14.0 5-14.3 6-14.6	1-13.8 2-14.5 3-15.2 4-15.9 5-16.6 6-17.3
23783	8776.478	13.3	12.5	10.7	15.9	14.5	15.8	14.4	13.6
5	543	—	12.8	10.5	15.9	14.7	15.1-2	14.4	13.6
798	77.489	13.5	12.8	10.6-7	15.3	13.8	16.0 ^m	14.4	14.0
802	619	—	12.7	10.7-8	15.6	14.5	15.3	14.5	14.0
807	79	13.3	12.6	10.7	15.5	15.1	15.7	14.3	13.6
914	804	13.4	12.6	10.8-9	15.2	13.8	15.3	13.8	14.3
967	17	—	12.6	10.9	15.9	14.2	15.8	13.8	13.6
973	18	13.5	12.7	10.9	15.2	14.7-8	15.5	13.8-9	14.0
995	31	13.5	12.6	11.4 ^m	15.9	15.3	15.5	13.7	14.3
24000	38	13.3	12.6	11.3	15.7	15.1	15.6-7	13.6	14.0
004	42	13.1	12.6	11.4	15.4	15.0	15.5-6	13.6	13.6
023	43	—	12.6	11.3-2	15.2-3	14.7	15.3	13.5	13.6
028	45	9.5	12.6	11.7	15.8	15.0	15.7	13.5	14.3
049	46	11.1	10.5	11.6-5	15.4	14.8	—	13.5	14.0
090	61	—	12.6	11.1-0 ^m	15.8	14.6	15.8	13.6	14.3
106	63.267	13.1	12.5	10.9	15.8	14.7	15.7-8	13.6	13.6
24	.456	—	—	11.0-1	15.8	14.3	15.8	13.5	14.1
128	64.269	13.5	12.6	10.9	15.1	14.8	15.8	13.6	14.0
43	.466	—	12.8	10.9	15.7	14.2	15.4	13.5	14.0
240	8906	—	12.7±	10.7±	15.3	14.8	15.6	13.8	13.6
25126	9101	13.4	12.5	10.0	15.8	15.0	15.8	13.5	14.3
139	02	13.6	12.5	10.1	15.2	14.8	15.8	13.8	14.2
153	04	13.4	12.6	10.1	15.6	14.7	15.7	13.8	14.2
200	06	13.4	12.6	10.1	15.8	14.5	15.6	13.8	13.6
211	07	—	—	9.8	15.0	14.8	15.3	13.9	14.0
224	08	—	—	—	—	—	—	—	—
236	09	13.5-4	12.8	9.8-9	15.3	14.7	15.8-9	13.9	14.0
284	13	—	—	—	—	—	—	—	—
289	15	9.5	12.8	9.9	15.9	14.8	15.8	13.9	14.2
297	16.554	8.5	12.8	9.8	15.5	14.6	15.8	13.8	14.2
9	16.19	8.3	12.8	9.9	15.8	14.7	15.8	13.8	13.6

		1-14.7 2-15.2		1-15.2 2-15.2 3-15.2	1-13.8 2-14.1 3-14.7 4-15.2	1-15.1 2-15.5 3-15.7	4.9 2-15.1 3-15.4 4-15.6	1-13.3 2-13.7	1-13.8 2-14.6	165 1-10.8 2-11.3 3-11.9 4-12.2
		27	44.1901	21	23	26	20	34	24	32
25301	9118	14.8	—	15.3	15.1	15.6	15.5	13.6	14.1	11.5
413	29.519	15.4	—	15.4	15.1	15.8	15.7	13.7-8	13.7	11.7
5	.583	15.2	—	15.5	15.2	14.8	15.7	13.5	14.2	11.2
526	43	15.1	8.3	15.1	15.1	—	—	13.8-9	14.4	11.2
527	44	15.0	—	15.3	15.1	15.6	15.7	13.6	14.3	11.7
554	58									
603	63.393	15.3	8.0	14.9	14.8	15.2	14.6	13.9	13.8	11.4.5
5	.458	15.3	—	15.3	15.1	15.6	15.2	13.8	13.7	11.5
607	64	14.9	8.0	15.4	14.5	15.6	15.7	13.6	13.8	11.2
615	65.458	15.1	8.0	15.4	15.3	15.7	15.6	13.4-5	13.8	11.5-6
7	.524	15.3	—	15.7	15.0	15.8	15.8	13.5	13.9	11.2
9	.589	15.0	7.8	15.5	14.8	15.8	15.7	13.6	14.4	11.8
626	68	15.1	7.8	15.4	15.1	15.8	15.7	13.3-4	13.9	11.2
651	58.367	15.3	—	15.6	14.2	15.7	15.4	13.6	14.0	11.8.7
3	.432									
5	.497	—	—	—	—	—	—	—	14.0	11.5
7	.562	14.7-8	7.8	15.0	14.8	15.6	15.5	13.6-5	14.0	11.5-6
683	91	15.1	8.0±	15.4	14.5	15.6	15.3	13.7	13.8	11.5
789	92.21	14.7±1	8.0	15.4	14.9	15.0	15.7	13.9	14.0	11.5
807	22.264	15.1	7.8-8.0	15.3	15.1	15.0	15.7	13.7	14.0	11.4
9	.330	15.4	—	15.5	15.1	15.6	15.8	13.8	14.2	11.5
823	23	15.4	—	15.5	15.1	15.6	15.3	13.6	13.9	11.5-4
		14.8	7.3	14.9	15.2	14.9	15.0	13.6	14.0	11.5
		15.4	7.6	15.3	14.9	15.7	15.5	13.7	14.4.3	12.0

1-8.8
2-10.0
3-10.8
4-11.6
5-12.5
6-13.2
8028

1-12.2
2-12.7
3-12.1
4-13.5
5-13.9
6-14.4

1-9.2
2-10.3
3-11.0
4-11.8
5-12.5
6-13.2

1-14.9
2-15.4
3-15.9
4-16.4
5-16.9
6-17.4

1-13.5
2-14.1
3-14.6
4-14.9
5-15.2
6-15.5

1-13.1
2-13.6
3-14.1
4-14.6
5-15.1
6-15.6

1-13.0
2-13.4
3-13.7
4-14.0
5-14.3
6-14.6

1-13.8
2-14.5
3-15.2
4-15.9
5-16.6
6-17.3

57806	7359	13.4	12.9	9.9-10.0	—	—	—	13.4	13.5
809	64	13.4	12.8	9.9	—	—	—	13.6	13.6
816	65	13.5	12.5	10.0	—	—	—	13.5	13.5
822	73	13.4	12.6	9.9-8	—	—	—	13.3	13.7
825	84	no	12.5	10.0	—	—	—	13.3	—
828	99	8.7	12.8	9.9	—	14.8	—	13.2	13.2
834	7422	13.3	12.5	10.0	15.6	15.0	15.7	13.3	14.3
838	25	13.4	12.7	9.9	15.3	14.7	15.6	13.1	13.9
850	27	13.4	12.9	10.0	15.7	15.0	15.6-7	13.3	14.3
854	43	13.4	12.8	10.0	15.8	14.8	15.8	13.8	14.1
857	45	9.0 ^{at}	12.7	9.9	15.8	14.7	15.8	13.8	14.3
863	49	13.0	12.6	10.1	15.6	15.1	15.8	13.8	13.6
877	56	13.0	12.6	9.6	15.6	15.2	15.8	13.8	14.3
887	57	13.5	12.7	9.5	15.8	14.8	15.8	13.9	14.1
906	73	13.4	12.8	9.8	15.7	13.9	15.8	14.0	14.0
912	75	8.5	12.9	10.0	15.9	15.1	15.7	14.3	14.3
939	78	12.7-8	12.7	9.9	15.7	15.0	15.5	14.1	14.3
58985	7653	13.4	12.6	10.5	15.3	15.2	15.7-8	13.3	14.3
998	58	9.0	12.6	11.2	15.2	14.0	15.8	13.3	—
59034	64	13.4	12.8	11.0-1	15.4	14.0	15.7	13.6	14.3
051	69	13.4	12.7	10.9	—	14.7	15.7	13.8	14.4
059	70	13.5	12.6	11.3-4	15.1	13.8	15.8	13.8	13.8
086	83	13.5	12.8	10.9	—	14.0	15.3	14.3	14.0
099	84	13.5	12.8	10.6-7	—	15.0	—	13.9	14.0
114	85	13.4	12.7	10.5	—	15.0	—	14.2	14.0
131	88	13.4	12.9	10.7	15.4	14.8	15.6	14.2	14.2
142	90	13.4	12.5	11.1-2	—	14.0	—	13.9	14.0
168	94	13.5	12.6	10.6	15.1	14.7	15.8	14.0	14.2
169	95	13.5	12.8	10.6-7	—	14.0	—	14.3	14.3
177	97	13.5	12.6	10.7	15.8	14.0	15.7-6	14.2	13.6

1939phae.proj.2

		1-14.7 2-15.2		1-13.8 2-14.1 3-14.7 4-15.2	1-15.1 2-15.5 3-15.7	4.9 2-15.1 3-15.4 4-15.6	1-13.3 2-13.7	1-13.8 2-14.6	165 1-10.8 2-11.3 3-11.9 4-12.2	
		27	44.1901	21	23	26	20	34	24	
59181	7698	14.8	7.2	—	14.9	15	15.0	13.6	14.4	11.1
202	7714	15.0	8.2	—	14.9	—	—	13.8	14.0	11.0
213	15	—	7.2	—	—	—	—	13.9	14.3	11.5
264	40	15.0	7.2	—	15.0	—	15.2	13.9	14.1-2	11.1
277	47	15.1	7.6	15	15.0	15.5-6	15.5	13.8	13.7	11.7
316	55	15.0	8.1	15	14.78	—	15	13.6	14.2	11.1
337	83	15.0	8.0	—	15.0	15	15.0	13.9	13.9	11.5
357	99,398	15.3	7.6	—	14.6	—	—	13.6	14.4	11.6
8										
364	7801	15.4	7.6	14.9	14.5	15	15.1-0	13.6	14.4-3	11.7
369	02	—	—	—	—	—	—	—	14.4	11.1
386	10	14.6	7.3	—	15	15.2	15	13.9	14.3	11.7
60116	8041	14.8	7.6	—	15.0±	—	—	13.8	14.4	11.1
135	45	15.4	7.7	—	14.1	—	—	13.9	14.4	11.1
144	47	15.1-0	—	—	15.0	—	—	13.8-9	14.0	11.2
204	64	15.0	7.0	14.9	14.9	14.9	15.5	13.7	14.3	11.5
335	8103	15.0	7.2	—	—	—	—	13.9	14.4	11.2
379	21	15.0	7.2	15	15.1	15	15	13.6	14.0	11.3±
399	31	15.3	7.2	15.4	15.0	15.8	15.6	13.8	14.7	11.5
402	34	15.3	7.2	15.2±	15.0	15	15.6	13.8	14.5-4	11.5
410	35									
418	36	15.4	7.1	15.5	15.2	15	15.5	13.8	14.4	11.2-1
422	39	15.0	7.7	14.9	15.1-0	15.6	15.6	13.5	14.0	11.1
462	66	15.0	7.6	15.2	14.9	15.6	15.3	13.2	14.0	11.1
553	8209	15.1	7.2	15.5	14.9	14.9	15.2	13.9-	14.3-4	11.1
554	10	—	7.3	—	—	—	—	—	—	11.2±
556	12	15.0-1	7.0	15.0	14.3	15.6	15.5	13.6	14.4	11.1
559	13	15.0	7.0	15.5	15.0	15.6	15.2	14.0	14.4	11.6
564	18	15.0	7.2	15.10	15.2	15.9	15.5	13.4-5	14.4	11.1-0
577	22	15.4	7.8	15.0	15.0	14.9-8	15.5-4	13.6	14.2	11.3±

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60581	8224	—	12.8	11.2-3	15.4	15.0	15.5	13.5	14.2
596	27	—	12.7	11.4	15.5	14.0	15.7	13.2	13.6
61451	8456.397	13.4	12.8	—	15.4	14.1	15.6	13.3	13.6
2	.430	13.4	12.8	10.1-0	15.4	14.1	15.7	—	13.5
3	.462	—	12.8	—	15.8	14.0	15.8	—	13.6
4	.495	—	12.7	—	15.8	14.2	15.7	—	13.6
6	.560	—	12.7-6	—	15.6	14.5	15.7	—	14.2
7	.592	—	12.8	—	15.6	15.0	15.7	13.4	14.3
462	57.367	13.4	12.7	9.9a-	15.5	14.9	15.4	13.5	13.5
3	.400	—	12.8	—	15.5	15.0	15.5	—	13.6
4	.432	—	12.8	—	15.7	14.8	15.7	—	13.6
5	.465	—	12.7	—	15.6	14.3-2	15.6	—	13.6
6	.497	—	12.8	—	15.7	14.0	15.8	—	14.0
8	.563	—	12.7	—	15.7	14.2	15.8	—	14.0
9	.595	—	12.8	—	15.8	14.7	15.7	13.5	14.3
489	64	13.4	12.7	10.6	15.4	14.0	15.7	13.5	13.6
492	67	9.0	12.8	10.0	15.4	15.0	15.4	13.6	14.3
498	76	13.4	12.7	10.0	15.5-6	14.0	15.7-8	13.3	14.6
504	86	13.5	12.7	10.0	15.6	15.0	15.7	13.3	14.3
511	88.325	13.6	12.8	9.9	15.6	14.0	15.3	13.2	14.1
5	.457	—	12.8	—	15.4	14.8	15.5	13.1	13.6
516	8503	11.3	12.7	9.8	15.2	15.1	15.2	13.4	14.0+
517	04.274	9.0	12.7	9.7	15.4	15.0	15.7-8	13.3	13.6
9	.339	8.7	12.7	9.9	15.8	15.0	15.2	13.4	13.5
520	05.274	9.0-1	12.7	10.0	15.7	15.0	15.7	13.6	13.6
2	.339	9.3	12.8	9.8	15.7	15.0	15.4	13.6	13.7
523	10.467	—	12.7	10.0	15.4	13.8	15.7	13.8	13.6
5	.532	—	12.7	9.9	15.4	14.8	15.7	13.8	13.6
527	11	13.4	12.7	10.0	15.7-8	15.0	15.7	13.9	14.0
543	16	13.5	12.8	9.9	15.7	15.0	15.8	13.8	13.7

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6573	8520	15.2	7.6	15.5	15.0	15	15.2	13.8	14.4	11.2
589	23,277	14.89	7.2	15.3	14.9	15	15.0	13.8	14.0	11.5
91	407	15.3	7.2	15	15.10	15.6	15.5	13.8	14.4	11.7
3	472	15.1	7.2	14.9	14.5	15.2	15.5	13.8	14.4	11.2
5	532	14.98	7.2	15	15	15	15	13.5	13.9	11.2
597	25	15.5	7.2	14.9	15.0	15.4	15.7	13.6	14.4	11.4
599	26	14.8	7.3	15	15	15	15	13.4	14.3	11.2
625	66	15.23	7.6	15.3	15.0	15.6	15.3	13.8	14.0	11.1
2687	8877	15.3	7.2	15.0	14.5	15.6	14.7	13.6	14.4	11.65
696	78	15.10	7.1	14.5	14.9	15	15	13.8	14.4	11.10
706	89									
707	92.346	15.1	7.0	-	-	-	15	14.0	14.3	11.6
9	412									
750	8917	15.0-1	7.2	15.4	14.4	15.6	15.3	13.5	14.4	11.2
4831	9527	14.8-9	7.1	15.0	15.0	15.6-7	15.5	13.7-8	14.3-4	11.0
920	77	14.8	7.2	15.0	14.8-9	15.23	15.5	13.6	14.4-5	11.5
65761	9849	15.4	7.0	15.5	15.22	15	15.5	14.0	14.1	11.5-6
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6320	6710.277	—	14.7	13.9	13.3	13.6-7	11.6	14.7-8	—	14.4
3	376	15.1	↓	14.4	13.3	13.5	11.7	14.8	15.2	14.6
6	474	14.9	14.9	13.9	13.7	14.0 ^m	12.3	14.8	15.1	14.9
331	"	14.9	14.9	14.3	13.3	13.6	12.4	14.8-9	15.5	15.0
341	13	15.4	14.4	14.2	13.2	13.7-6	12.4	14.9	15.3	15.0
350	14	15.4	14.4	14.1	13.2	13.5	11.7-6	15.2	15.5	15.1
360	15	15.1	14.4	14.4	13.3	13.6	12.4	15.2	15.4	14.8-9
368	17.279	15	14.4	13.8	13.3	13.6	12.0	15.2	15.12	14.3-2
371	374	15.3	↓	14.7	13.3	14.0	12.3	15.3	15.12	14.8
74	472	15.12	✓	14.1	13.3	13.5	12.4	15.4	15.4	14.6
378	18	15.1	14.9	14.5	13.2	13.5	11.9	15.2	15.2	15.1
387	20	14.7	14.9	14.5	13.3	13.9	12.5	15.4	15.5	15.0
394	22	15.3	14.9	14.5	13.3-4	13.5	12.3-2	15.4	15.6	14.5
414	32	15.2	14.9	14.4	13.3	13.6	12.5	14.8	15.5	14.8-9
415	35	—	14.4	—	13.2-3	13.5	11.7	14.8	—	15.0-10
8878	7413	14.5	14.9	14.5	13.2	13.2 ^M	11.7	14.5	15.6	14.1-2 ^M
901	26.274	15.3	14.9	14.7	13.3	13.2	11.9	15.6	15.3-4	14.9
3	339	15.4	↓	14.1	13.2	13.6	11.8-9	15.4	15.2	15.1
5	405	14.3	↓	14.1-0	13.1	13.8	12.2	15.2	15.0	15.1
1933	7718.363	15.3-4	14.7	14.1	13.3	13.6	12.4	14.9	15.2	15.2
5	428	15.4	↓	14.1	13.2-3	13.5	12.5	15.1	15.6	15.3
7	494	15.3	↓	14.1	13.2	13.6	12.5	14.9	15.1	14.5-6
9	559	14.8	✓	13.9	13.3	13.5	12.2	14.9	15.2-3	14.0-39
944	22.348	14.6-7	14.7	14.0	13.2	13.3	12.3	15.2	15.5-6	14.0
6	413	15.2	↓	14.0	13.3	13.8	12.3	15.3	15.0-1	14.5
8	478	15.1-2	↓	14.1-2	13.3	13.5	12.3	15.2	15.4	14.8-9
50	543	15.3	↓	13.8	13.2	13.7	12.4	15.2	15.6	15.0
957	23.364	15.3-2	14.7	14.0	13.3	13.6	11.6	15.3	15.3	15.1
9	429	15.3	↓	14.2	13.4	13.7	11.8	15.5	15.4	15.1
61	494	15.2	↓	14.5-6	13.3	13.7	11.9	15.7	15.6	15.3
3	560	15.3	✓	14.1	13.3	13.5	12.2	15.6	15.4	14.1-1
923	27	15.2	14.8	14.1	13.5	13.5	12.4	15.7	15.4	14.8-9

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✓14

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✓30

21022	8049	12.4	—	15.2	14.4M	13.5	15.5	14.3	14.6M	2102
112	69	12.4	11.9	14.3-4	14.6	13.3	no	14.2	15.0	112
118	71.396	12.5	12.0	14.0M	14.4	13.0-1	no	14.2	15.1	118
20	.469	12.5	11.8	14.4-5	14.4	13.2		14.2	14.5	20
22	.528	12.6-7	11.8-9	15.1	14.8	13.1		14.1	14.1-2	22
24	.594	12.5	11.9	15.2	14.8M	13.3	16.0-1	14.1	15.1	24
179	79	12.6	—	—	—	—	—	—	—	179
218	8104.306	12.5	12.3	15.4	15.0	12.8	15.2	14.3	14.6	218
20	.371	12.5-6	13.2	15.4	14.6	13.0±	14.8	14.3	15.0	20
22	.436	12.5	13.3-2	15.2-1	14.1	12.7	15.1	14.3	15.1	22
23										23
24	.508	13.1M	12.6±	15.2	14.2-3	12.8	15.0	14.3	14.6	24
228	05.275	13.1	11.8	15.4	14.8	12.8	14.9	14.8	15.0	228
30	.340	13.1	11.8	15.3	14.8	12.8	15.2	14.2	14.8-9	30
2	.405	12.5-6	11.8	15.4-5M	15.2	12.8	15.3	14.2	15.1-2	2
4	.474	12.6	12.8	14.7-6	14.7	12.8	14.7	14.4	14.7-8	4
6	.544	12.6	—	14.7M	14.7	13.0	15.3	14.2	15.0-9	6
23450	8719	12.6	12.0	15.4	14.9	12.8	15.5	14.4	15.0	2345
483	22	13.1	12.0	14.0	15.0	13.0	no	14.4	14.4	483
492	24	12.6	12.0	15.2	15.3	12.9	no	14.2	15.0	492
509	29	12.5	12.1-2	15.2-3	15.0	13.3	15.4	14.3	14.6	509
521	31	13.1-0	12.2	15.4	15.0	13.0-1	15.6	14.1-2	15.1	521
524	33.591	12.9-13.0	12.2	15.4	15.2	13.0	15.5	14.3	15.2	524
6	.656	12.5	12.0	15.2	15.3	13.3	no	14.2	14.7	6
564	45	12.5	12.0	15.4	14.0	13.3	no	14.3	15.0	564
585	48	12.5	12.0	14.4-5	15.0	13.4	no	14.2	15.0	585
604	52.531	12.5	12.0	15.1	14.8	13.3	no	14.2	14.6	604
6	.596	12.8	12.0	15.1-2	15.0	13.4	no	14.3	14.8	6
712	59	12.5-6	12.1	14.6	14.9	13.3	no	14.3	15.2	712
739	63.580				14.9	13.6	no	14.3	15.0	739
741	.645	12.6	—	15.1	14.9	13.7	no	14.2	14.6	741
773	75	12.5	12.0	15.4	15.0	13.7	no	14.3	14.7	773

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1022	8049	14.5 ^m	13.6	14.1	13.7 ^m	13.5	11.7	15.8	15.2	15.1	
112	69	15.4	14.0-1	14.1	13.3	13.6	11.9	15.7	15.3	15.1	
118	71,396	15.3	14.2	14.1	13.2	13.6	12.0 ✓	15.6	15.2	15.3	
20	461	14.5	↓	14.0	13.3	14.0	12.2 ✓	15.7	15.4	15.1	
22	528	15.2	↓	14.0	13.2	13.4	11.9 ^{12.3-4}	15.6	15.4	15.1	
24	594	15.3	✓	14.3	13.2	13.5	12.2 ³	15.4	15.3	14.6 ²	
179	79									14.9	
218	8104,306	15.3-4	14.7	14.2	13.2	13.5	11.7	15.0	15.3	15.1	
20	371	15.4	↓	14.7	13.3-2	13.4	12.0	14.9	15.4	15.1	
22	436	15.4	↓	14.1	13.2-3	13.7	12.0		15.2	13.7	
23			↓				12.1		15.3	13.9	
24	508	15.4	✓	14.2	13.2-3	13.6	12.2	15.1	15.2	14.2-3	
228	05,275	15.4	14.8	14.4	13.3	13.7	12.3	15.2	15.2	15.0-1	
30	340	15.4-5	↓	14.2	13.3	13.7	12.3		15.4	15.1	
2	405	15.4	↓	14.2	13.3	13.4	12.3		15.3	15.3	
4	474	15.3	↓	14.4	13.3-2	13.4	12.5	✓	—	15.1	
6	544	14.7	✓	14.0	13.2	13.5	12.1	15.1	15.4	15.0	
3450	8719	15.4	11.5	—	13.2	13.5	11.8	14.7-8	15.3	15.1	
483	22	14.7	11.4	14.2	13.1	13.5	12.3	14.8	15.3	15.1	
492	24	15.3	11.4	—	13.3	13.7	12.3	15.0-1	15.3-2	15.1	
509	29	14.7	11.2	14.1	13.2	13.5	11.9	15.6	15.3	15.1	
521	31	15.3	11.4	14.5	13.2-3	13.9	11.9	15.6	15.4	15.1	
524	33,591	15.3-4	11.4	14.4	13.4	13.4	12.4	15.7	15.3-4	15.3	
6	656	15.3-4	✓	14.1	13.3	13.6	12.0	15.6	15.3-4	15.1	
564	45	15.2	11.8	14.0	13.1	13.4	12.2	14.9	15.5-6	15.3	
585	48	15.4	11.8	14.2	13.0-1	13.4	11.5 ^m	15.2	15.5	15.1	
604	52,531	15.2	11.8	14.7	13.3	13.9-14.0	12.4	15.4	15.6	15.2	
6	596	15.3	↓	14.1	13.1	13.5	11.8 ²	15.5	15.5	14.5-4	
712	59	15.3	11.5	14.1	12.9	13.7	12.3	14.8 ⁰	15.4	14.1-2	
739	63,580	15.3	12.3	14.2	13.0	13.5	11.9	15.0 ¹	15.3-4	15.1	
741	645	14.3	12.2	14.1	13.2	13.7	12.1	14.8	15.5	15.3	
773	75	15.5	12.4	14.1	13.3	13.5	12.7	15.7	15.3	15.0	

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v18

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v10

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v3

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7-15.0
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v4

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3-14.4
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v7

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v30

23783	8776.478	12.6	11.9	15.1	14.4	13.8	15.4	14.3	15.0	237
5	.543	12.5	12.3	14.7	13.9	13.7	15.3	14.4	15.0	
798	77.489	12.5 ^m	11.9	14.4	15.0 ^m	13.4	15.3	14.2	15.1 ^m	79
802	.619	12.4	—	15.2	15	13.6	15.3	14.2	15.0	80
807	79	12.5	12.0	15.0	15.0	13.6	15.3	14.4	15.0	80
914	8804	12.5	11.9	15.1	15.0	13.5	12.6	14.2	14.6	91
967	17	12.5	—	15.4	15.0	13.3	12.2	14.3	15.1	96
973	18	12.6	11.9	15.1	15.0	13.1	11.9	14.2	14.9	97
995	31	12.5	11.9	15.1	15.0	13.3	12.0	14.2	15.1	99
24000	38	12.5	12.1	15.4	15.0	13.1	12.0	14.7	15.0	2400
004	42	12.4	12.0	15.5	14.0	13.0	12.7	14.4	14.6	00
023	43	12.4	—	15.4	15.2	13.1	12.7	14.3	14.7	02
028	45	12.5	11.9.8	15.1-2	14.2	13.1	12.6	14.2	15.0	02
049	46	12.4	12.0	15.0	15.2	13.3	12.7	14.3	14.6 ^m	04
090	61	12.4	—	15.4	15.2	13.3	13.5	14.3	15.0	09
106	63.267	12.4	12.2	15.5	14.5	13.3	13.5	14.2	15.0	106
24	.456	12.3	—	14.4-5	14.5	13.1	13.4	14.3	15.0	2
128	64.269	12.5	11.9	15.4	15.2	13.3	13.5	14.3	14.9	128
43	.466	12.4	—	15.1	15.0	13.2	13.5	14.2	14.8	43
240	8906	12.4	—	15.2	15.3	13.5	12.0	14.3	14.9	240
25126	9101	12.5	12.0	15.2-3	15.2	13.7	14.1	14.2	14.6	251
139	02	12.5	11.9	15.2	14.0	13.7	14.2	14.2	14.8	13
153	04	12.6	12.0	14.5-6	13.8	13.5	14.4	14.2	15.1	15
200	06	12.6	12.1	15.1	14.4	13.7	14.3	14.4	14.9	20
211	07	12.6	—	15.2	—	13.8	14.6	14.2	15.0	21
224	08									22
236	09	12.4	13.0 ^m	15.2	14.8	13.8	14.4	14.3	14.6	23
284	13									28
289	15	12.5	11.9	15.3-4	14.6	13.8	14.8	14.2	15.0	28
297	16.554	12.5	11.9	14.8	15.0	13.7	14.9	14.2	14.6	29
9	619	12.5	11.9	14.4	15.0	13.5	15.2	14.3	14.9	

		1-14.5 2-15.1 3-15.5 ✓ v29	1-14.2 2-14.7 3-13.6 4-13.0 5-13.4 6-14.0 7-14.4 8-14.9 ✓ v9	1-13.7 2-14.3 3-14.8 ✓ v39	1-13.0 2-13.4 3-13.6 4-13.9 ✓ v5	1-13.4 2-13.8 3-14.3 ✓ v2	1-11.1 2-11.5 3-11.8 4-12.1 5-12.6 ✓ v31	1-14.3 2-14.6 3-15.0 4-15.5 ✓ v37	✓ v7	181 1-13.8 2-14.1 3-14.7 4-15.2 ✓ v23
23783	8776.478	15.4	12.4	14.0	13.2	13.6	12.3	15	15.3	15.2
5	543	15.3-4	12.5	14.1	13.2	13.5	12.3	15.3	15.4	14.9
798	77.489	15.4 ^m	12.7	14.2	13.3-4	13.5 ^m	12.4 ^m	15.6	15.6	15.0
802	619	14.3	12.4	14.5	13.3	13.9	11.6 ^m	15.6	15.6	15.1
807	79	15.3	12.5	14.1	13.7	13.7	12.5	15.5-4	15.4-5	15.1
914	8804	15.2	13.3	14.6	13.8-9	13.7	12.4	14.8±	15.2-1	14.8-9
967	17	15.3	13.6	14.1	13.3	13.6	11.9	15.6	15.4	14.0
973	18	15.2	13.7	14.1	13.3	13.7	12.2	15.5±	14.9	14.9
995	31	14.8	13.8	14.1	13.3	13.5 ^m	12.4	15.1	15.3	15.2
24000	38	14.3	13.8	14.7	13.1	13.5	12.2	15.2±	15.2	15.1
004	42	14.8	14.2	14.2	13.1	13.5	11.9	15.4	15.5	15.1
023	43	14.8-9	14.3	14.1	13.1	13.6	12.3	15.5	15.6	14.3
028	45	14.2	14.3	14.2	13.1-0	13.5	11.9	15.1-0	15.1-0	14.0
049	46	14.4	14.4	15	13.1±	13.5	12.2	15	—	15.1
090	61	15.2-3	14.7	15	13.2	13.7	11.7	15.7	15.4	15.0
106	63.267	15.3	14.7	14.2	13.1	13.2	12.3	15	15.2-3	15.0
24	456	15.3	✓	—	13.2	13.6	11.7	15.4±	15.2	15.0
128	64.269	15.3	14.7	14.5	13.3	13.7	12.2	15.3-4	15.2	14.0
43	466	14.7±	✓	14.5	13.3	13.6	12.4	15.3	15.4	15.0-1
240	8906	15.3	14.9	14.4	13.1	13.6	12.3	15.3	15.6	15.3
25126	9101	14.4	12.3	14.0	13.2	13.5	12.3	15	15.4	15.0
139	02	15.1	12.4	14.6	13.2-3	14.0	11.9	14.5 ^m	15.3	14.2±
153	04	15.3	12.4	14.1	13.3-2	13.7	11.9	14.4	15.2	14.9
200	06	15.4	12.4	14.2	13.2	13.6	11.9	14.8	15.3-4	14.9
211	07	14.5±	12.0	14.5	13.4±	14.0	12.3	15.2	15.3	14.0
224	08									
236	09	15.2	12.4	14.5	13.2-3	13.7	12.2	14.9	15.1-2	14.6-7
284	13									
289	15	14.3	12.5	—	13.8	13.8	12.2	15.4-5	15.3	15.0
297	16.554	14.7	12.5-6	14.1	13.5	13.5	12.3	15.3	15.4	14.6
9	619	15.0	12.5	14.6	13.3	13.6	11.7	15.6	15.2	14.9

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25301	91/8	15.4	12.2	14.5	13.7	13.6	12.2	15.6	15.3	15.1
413	29,519	15.3-2	12.6	14.0	13.4	14.0	12.0	14.8±	15.2-3	15.0
5	583	14.5	12.8	14.5	13.4±	13.6	12.2	15.0±	15.2	15.3
526	43	—	13.1	—	13.2	13.8±	12.4	15	—	15
527	44	14.5-6	13.3	14.0	13.2	13.6	12.0	15.0±	15.4	15.0
554	58									
603	63,393	15.3-4	13.3	14.0	12.9	13.3	12.0	15.3-4	15.4	15.1
5	458	15.4	13.3	14.2	12.9	13.5	12.0	15.3	15.2	15.1-0
607	64	15.4	13.3	14.2	12.9	13.6	12.4	15.4	15.5-6	14.5
615	65,458	15.3	13.3	14.2	12.9	13.6	11.9	15.4	15.3	15.3
7	524	14.3	↓	14.4	13.0	13.7	12.2	↓	15.5	15.3
9	589	15.0	↓	14.1	13.1	13.6	12.3-2	↓	15.2	15.0
626	68	15.2	13.8	14.2	13.0	13.5	12.4	14.5±	15.3	14.9
651	88,367	14.2	13.6±	14.3±	13.2±	13.6	11.9	14.4	15.3	14.0
3	432									
5	497	15.3	↓	—	15	—	—	↓	—	—
7	562	15.4	↓	14.5	13.3±	13.7	12.0	↓	15.2	14.9
683	91 ⁵	15.4	14.1	14.0	13.3	13.7	12.2	15.2-1	15.2	14.8-9
789	9221	15.2	14.7	14.1	13.3	13.6	12.4	15.6	15.3	14.8
807	22,264	15.3	14.7	14.7 ^m	13.3	13.7	12.0	15.6	15.3-4	15.2-3
9	380	15.4	—	14.0	13.2	13.6	12.2	15.67 ^m	15.1	15.1
823	23	15.4	14.7	14.1	13.3-2	13.6	12.4	15.6	15.4-5	14.9

1-12.3 2-12.7 3-13.2 ✓ 14	1-12.1 2-12.4 3-13.1 4-13.5 ✓ 18	1-14.2 2-14.9 3-15.3 4-15.6 ✓ 10	1-14.0 2-14.5 3-15.1 ✓ 15	1-12.3 2-12.9 3-13.2 4-13.6 5-13.9 6-14.5 ✓ 3	6-14.5 7-15.0 8-15.5 ✓ 4	1-13.6 2-14.0 3-14.4 4-14.8 5-15.2 6-15.6 7-16.0 8-16.4 9-16.8 10-17.2 11-17.6 12-18.0 13-18.4 14-18.8 15-19.2 16-19.6 17-20.0 18-20.4 19-20.8 20-21.2 21-21.6 22-22.0 23-22.4 24-22.8 25-23.2 26-23.6 27-24.0 28-24.4 29-24.8 30-25.2 31-25.6 32-26.0 33-26.4 34-26.8 35-27.2 36-27.6 37-28.0 38-28.4 39-28.8 40-29.2 41-29.6 42-30.0 43-30.4 44-30.8 45-31.2 46-31.6 47-32.0 48-32.4 49-32.8 50-33.2 51-33.6 52-34.0 53-34.4 54-34.8 55-35.2 56-35.6 57-36.0 58-36.4 59-36.8 60-37.2 61-37.6 62-38.0 63-38.4 64-38.8 65-39.2 66-39.6 67-40.0 68-40.4 69-40.8 70-41.2 71-41.6 72-42.0 73-42.4 74-42.8 75-43.2 76-43.6 77-44.0 78-44.4 79-44.8 80-45.2 81-45.6 82-46.0 83-46.4 84-46.8 85-47.2 86-47.6 87-48.0 88-48.4 89-48.8 90-49.2 91-49.6 92-50.0 93-50.4 94-50.8 95-51.2 96-51.6 97-52.0 98-52.4 99-52.8 100-53.2 101-53.6 102-54.0 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614-258.8 615-259.2 616-259.6 617-260.0 618-260.4 619-260.8 620-261.2 621-261.6 622-262.0 623-262.4 624-262.8 625-263.2 626-263.6 627-264.0 628-264.4 629-264.8 630-265.2 631-265.6 632-266.0 633-266.4 634-266.8 635-267.2 636-267.6 637-268.0 638-268.4 639-268.8 640-269.2 641-269.6 642-270.0 643-270.4 644-270.8 645-271.2 646-271.6 647-272.0 648-272.4 649-272.8 650-273.2 651-273.6 652-274.0 653-274.4 654-274.8 655-275.2 656-275.6 657-276.0 658-276.4 659-276.8 660-277.2 661-277.6 662-278.0 663-278.4 664-278.8 665-279.2 666-279.6 667-280.0 668-280.4 669-280.8 670-281.2 671-281.6 672-282.0 673-282.4 674-282.8 675-283.2 676-283.6 677-284.0 678-284.4 679-284.8 680-285.2 681-285.6 682-286.0 683-286.4 684-286.8 685-287.2 686-287.6 687-288.0 688-288.4 689-288.8 690-289.2 691-289.6 692-290.0 693-290.4 694-290.8 695-291.2 696-291.6 697-292.0 698-292.4 699-292.8 700-293.2 701-293.6 702-294.0 703-294.4 704-294.8 705-295.2 706-295.6 707-296.0 708-296.4 709-296.8 710-297.2 711-297.6 712-298.0 713-298.4 714-298.8 715-299.2 716-299.6 717-300.0 718-300.4 719-300.8 720-301.2 721-301.6 722-302.0 723-302.4 724-302.8 725-303.2 726-303.6 727-304.0 728-304.4 729-304.8 730-305.2 731-305.6 732-306.0 733-306.4 734-306.8 735-307.2 736-307.6 737-308.0 738-308.4 739-308.8 740-309.2 741-309.6 742-310.0 743-310.4 744-310.8 745-311.2 746-311.6 747-312.0 748-312.4 749-312.8 750-313.2 751-313.6 752-314.0 753-314.4 754-314.8 755-315.2 756-315.6 757-316.0 758-316.4 759-316.8 760-317.2 761-317.6 762-318.0 763-318.4 764-318.8 765-319.2 766-319.6 767-320.0 768-320.4 769-320.8 770-321.2 771-321.6 772-322.0 773-322.4 774-322.8 775-323.2 776-323.6 777-324.0 778-324.4 779-324.8 780-325.2 781-325.6 782-326.0 783-326.4 784-326.8 785-327.2 786-327.6 787-328.0 788-328.4 789-328.8 790-329.2 791-329.6 792-330.0 793-330.4 794-330.8 795-331.2 796-331.6 797-332.0 798-332.4 799-332.8 800-333.2 801-333.6 802-334.0 803-334.4 804-334.8 805-335.2 806-335.6 807-336.0 808-336.4 809-336.8 810-337.2 811-337.6 812-338.0 813-338.4 814-338.8 815-339.2 816-339.6 817-340.0 818-340.4 819-340.8 820-341.2 821-341.6 822-342.0 823-342.4 824-342.8 825-343.2 826-343.6 827-344.0 828-344.4 829-344.8 830-345.2 831-345.6 832-346.0 833-346.4 834-346.8 835-347.2 836-347.6 837-348.0 838-348.4 839-348.8 840-349.2 841-349.6 842-350.0 843-350.4 844-350.8 845-351.2 846-351.6 847-352.0 848-352.4 849-352.8 850-353.2 851-353.6 852-354.0 853-354.4 854-354.8 855-355.2 856-355.6 857-356.0 858-356.4 859-356.8 860-357.2 861-357.6 862-358.0 863-358.4 864-358.8 865-359.2 866-359.6 867-360.0 868-360.4 869-360.8 870-361.2 871-361.6 872-362.0 873-362.4 874-362.8 875-363.2 876-363.6 877-364.0 878-364.4 879-364.8 880-365.2 881-365.6 882-366.0 883-366.4 884-366.8 885-367.2 886-367.6 887-368.0 888-368.4 889-368.8 890-369.2 891-369.6 892-370.0 893-370.4 894-370.8 895-371.2 896-371.6 897-372.0 898-372.4 899-372.8 900-373.2 901-373.6 902-374.0 903-374.4 904-374.8 905-375.2 906-375.6 907-376.0 908-376.4 909-376.8 910-377.2 911-377.6 912-378.0 913-378.4 914-378.8 915-379.2 916-379.6 917-380.0 918-380.4 919-380.8 920-381.2 921-381.6 922-382.0 923-382.4 924-382.8 925-383.2 926-383.6 927-384.0 928-384.4 929-384.8 930-385.2 931-385.6 932-386.0 933-386.4 934-386.8 935-387.2 936-387.6 937-388.0 938-388.4 939-388.8 940-389.2 941-389.6 942-390.0 943-390.4 944-390.8 945-391.2 946-391.6 947-392.0 948-392.4 949-392.8 950-393.2 951-393.6 952-394.0 953-394.4 954-394.8 955-395.2 956-395.6 957-396.0 958-396.4 959-396.8 960-397.2 961-397.6 962-398.0 963-398.4 964-398.8 965-399.2 966-399.6 967-400.0 968-400.4 969-400.8 970-401.2 971-401.6 972-402.0 973-402.4 974-402.8 975-403.2 976-403.6 977-404.0 978-404.4 979-404.8 980-405.2 981-405.6 982-406.0 983-406.4 984-406.8 985-407.2 986-407.6 987-408.0 988-408.4 989-408.8 990-409.2 991-409.6 992-410.0 993-410.4 994-410.8 995-411.2 996-411.6 997-412.0 998-412.4 999-412.8 1000-413.2 1001-413.6 1002-414.0 1003-414.4 1004-414.8 1005-415.2 1006-415.6 1007-416.0 1008-416.4 1009-416.8 1010-417.2 1011-417.6 1012-418.0 1013-418.4 1014-418.8 1015-419.2 1016-419.6 1017-420.0 1018-420.4 1019-420.8 1020-421.2 1021-421.6 1022-422.0 1023-422.4 1024-422.8 1025-423.2 1026-423.6 1027-424.0 1028-424.4 1029-424.8 1030-425.2 1031-425.6 1032-426.0 1033-426.4 1034-426.8 1035-427.2 1036-427.6 1037-428.0 1038-428.4 1039-428.8 1040-429.2 1041-429.6 1042-430.0 1043-430.4 1044-430.8 1045-431.2 1046-431.6 1047-432.0 1048-432.4 1049-432.8 1050-433.2 1051-433.6 1052-434.0 1053-434.4 1054-434.8 1055-435.2 1056-435.6 1057-436.0 1058-436.4 1059-436.8 1060-437.2 1061-437.6 1062-438.0 1063-438.4 1064-438.8 1065-439.2 1066-439.6 1067-440.0 1068-440.4 1069-440.8 1070-441.2 1071-441.6 1072-442.0 1073-442.4 1074-442.8 1075-443.2 1076-443.6 1077-444.0 1078-444.4 1079-444.8 1080-445.2 1081-445.6 1082-446.0 1083-446.4 1084-446.8 1085-447.2 1086-447.6 1087-448.0 1088-448.4 1089-448.8 1090-449.2 1091-449.6 1092-450.0 1093-450.4 1094-450.8 1095-451.2 1096-451.6 1097-452.0 1098-452.4 1099-452.8 1100-453.2 1101-453.6 1102-454.0 1103-454.4 1104-454.8 1105-455.2 1106-455.6 1107-456.0 1108-456.4 1109-456.8 1110-457.2 1111-457.6 1112-458.0 1113-458.4 1114-458
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		1-14.5 2-15.1 3-15.5 ✓ 29	1-14.2 2-14.7 3-13.0 4-13.0 5-13.4 6-14.0 7-14.4 8-14.9 ✓ 9	1-13.7 2-14.3 3-14.8 ✓ 39	1-13.0 2-13.4 3-13.6 4-13.9 ✓ 5	1-13.4 2-13.8 3-14.3 ✓ 2	1-11.1 2-11.5 3-11.8 4-12.1 5-12.6 ✓ 31	1-14.3 2-14.6 3-15.0 4-15.5 ✓ 37	✓ 7	181 1-13.8 2-14.1 3-14.7 4-15.0 ✓ 23
57806	7359	—	<13.0	—	13.2					<14.1
809	64		<13.0		13.1	13.7	12.2	—		<14.1
816	65		<13.0		13.1	13.6	11.7±			14.0
822	73		<13.0		13.2	13.7	12.0			<14.1
825	84		<12.6		13.2-1	13.8	11.6±			✓
828	99		<13.0		13.2	13.9	12.1			<14.1
834	7422		<14.4		13.1	13.6	11.7	15.0±		14.3
838	25		<14.4		13.2 ^M	13.6	12.3	15.6		14.9
850	27		<14.4		13.2	13.6	12.4	15		14.9
854	43		<14.9		13.2	13.7	12.2	15.3.4		14.9
857	45		<14.9		13.1	13.7	12.2	15.6		15.0
863	49		<14.9		13.2	13.7	11.8-9	15.2		14.3
877	56		<14.9		13.3	13.6	12.4	14.5		14.4
887	57		<14.9		13.3	13.5	11.7	14.6-7		14.9
906	73		<14.4		13.7	13.5	12.3	15.5-7±		14.2+
912	75		<14.9		13.8 ^m	13.5	12.4	15.6		14.9
939	78		<14.4		13.5-6	13.6	11.8±	14.5		14.1-2
58985	7653		13.2		13.1	13.6	12.0	14.8-9		14.2± ⁰
998	58		13.3		13.2	13.7	—	—		—
59034	64		13.7		13.0	13.5	11.6	<14.6		<14.7
051	69		13.6		13.1	13.6	12.4	14.7		14.8
059	70		13.6		13.1	13.7	12.5	14.7		14.6
086	83		13.7±		13.2	13.6-7	11.7	<14.6		<14.7✓
099	84		13.7		13.3	13.6	12.3	<14.6		14.0 ⁿ ✓
114	85		13.7		13.3	13.7	11.7	<14.6		<14.7
131	88		<14.0		13.3	13.6	12.4	<14.6		14.9
142	90		<13.4		13.3	13.6	12.0	<14.6		<14.1
168	94		14.1		13.5	13.6	12.3	14.8-9		14.9✓
169	95		<14.0		13.8	13.6	12.2	<14.6		<14.7
177	97		14.2		13.8	13.6	12.4	14.8		15.1

1-12.3 2-12.7 3-13.2 ✓14	1-12.1 2-12.4 3-13.1 4-13.5 ✓18	1-14.2 2-14.9 3-15.3 4-15.6 ✓10	1-14.0 2-14.5 3-15.1 ✓15	1-12.3 2-12.9 3-13.2 4-13.6 5-13.9 6-14.5 ✓3	6-14.5 7-15.0 8-15.5 ✓4	1-13.6 2-14.0 3-14.4 4-14.8 5-15.3 6-15.5 7-16.0 8-16.5 9-17.0 10-17.5 11-18.0 12-18.5 13-19.0 14-19.5 15-20.0 16-20.5 17-21.0 18-21.5 19-22.0 20-22.5 21-23.0 22-23.5 23-24.0 24-24.5 25-25.0 26-25.5 27-26.0 28-26.5 29-27.0 30-27.5 31-28.0 32-28.5 33-29.0 34-29.5 35-30.0 36-30.5 37-31.0 38-31.5 39-32.0 40-32.5 41-33.0 42-33.5 43-34.0 44-34.5 45-35.0 46-35.5 47-36.0 48-36.5 49-37.0 50-37.5 51-38.0 52-38.5 53-39.0 54-39.5 55-40.0 56-40.5 57-41.0 58-41.5 59-42.0 60-42.5 61-43.0 62-43.5 63-44.0 64-44.5 65-45.0 66-45.5 67-46.0 68-46.5 69-47.0 70-47.5 71-48.0 72-48.5 73-49.0 74-49.5 75-50.0 76-50.5 77-51.0 78-51.5 79-52.0 80-52.5 81-53.0 82-53.5 83-54.0 84-54.5 85-55.0 86-55.5 87-56.0 88-56.5 89-57.0 90-57.5 91-58.0 92-58.5 93-59.0 94-59.5 95-60.0 96-60.5 97-61.0 98-61.5 99-62.0 100-62.5	1-14.1 2-14.8 3-15.3 4-15.5 ✓30
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59181	7698	12.5	12.1-2	15.4	14.7	13.7	12.4-2	15.0	5918
202	7714	12.4	12.2	15	14.2	13.3	13.0	—	2
213	15	12.5	12.2	—	—	13.3	13.45	—	2
264	40	12.5	12.0	15.2	14.7	12.5	15.2	—	21
277	47	12.5	12.0	15.4	14.2	12.5	15.3	—	2
316	55	12.4	13.3	14.7	15	12.6	15.0	14.6	31
337	83	12.4	11.9	15.1	14.3	12.7	15.0	14.6	33
357	99.398	12.5	11.9	15.3-4	15.5	13.1	15.0	—	35
8	—	—	—	—	—	—	—	—	—
364	7801	12.4	11.9	15.3-4	15.0	13.1	15.0	15.0	36
369	02	12.4	11.9	15.2	14.7	13.0	15.5	14.6	36
386	10	12.5	13.2	15.2	14.5	13.4	15.5	14.8	38
60116	8041	12.8	11.9	—	—	13.1	13.2	—	6011
135	45	12.5	12.2	14.7	—	13.3	13.9	—	13
144	47	12.4	12.2	15.2	14.5	13.1	15.0	—	14
204	64	13.2	11.9	15.2	14.7	13.4	15.0	14.6-7	20
335	8103	12.5	11.9	—	—	13.1	14.7	—	33
379	21	12.4	11.9	14.8	15.0	13.0	13.5	—	37
399	31	12.6	11.9	15.5	13.9	13.1	12.2	15.0	39
402	34	12.5	11.8	15.5	15.0	13.3	12.1	14.5	40
410	35	—	—	—	—	—	—	—	41
418	36	13.0	12.0	15.1	14.9	13.4	12.5	15.0	41
422	39	12.5	—	15.1	—	13.3	12.6	—	42
462	66	12.5	—	15.1	—	13.7	12.8	—	46
553	8209	12.4	12.2	14.4	—	13.5	14.7	—	55
554	10	—	—	—	—	—	—	—	55
556	12	12.4	—	15.1	—	13.5	14.7	—	55
559	13	12.4	—	15.4	15	13.7	15.2	—	55
564	18	12.5	—	15.4	—	13.4	14.8	—	56
577	22	12.5	—	15.1	—	13.8	15.0	—	57

		1-14.5 2-15.1 3-15.5 ✓ 29	1-14.2 2-14.7 3-15.0 4-15.4 5-15.8 6-16.2 7-16.6 8-17.0 9-17.4 ✓ 9	1-13.7 2-14.3 3-14.8 ✓ 39	1-13.0 2-13.4 3-13.6 4-13.9 ✓ 5	1-13.4 2-13.8 3-14.3 ✓ 2	1-11.1 2-11.5 3-11.8 4-12.1 5-12.6 ✓ 31	1-14.3 2-14.6 3-15.0 4-15.5 ✓ 37	181 1-13.8 2-14.1 3-14.4 4-14.7 5-15.0 6-15.3 7-15.6 8-15.9 9-16.2 ✓ 23	✓ 7
59181	7698		14.3		13.8	13.8-9	12.2	15.1-2	14.9	
202	7714		14.3		13.3	13.6	12.5	14.5	15.0	
213	15		<13.0		13.2		<11.5		14.2	
264	40		<14.4		13.2	13.6	11.7	15.0±	15.1	
277	47		<14.4		13.2	13.6	12.3	15.3±	14.9	
316	55		2 14.4		13.2	13.6	12.4	14.4.5	14.9	
337	83		<14.4		13.2	13.6	12.3	14.9±	15.1	
357	99, 398		<14.4		13.2	13.6	12.3	14.8	14.6-5	
8										
364	7801		<14.4		13.2	13.6	12.4	14.8	14.6	
369	02		<14.4		13.2					
386	10		<14.4		13.2	14.0	12.5	<15.5	15.0	
60116	8041	—	—	—	—	—	11.7:	—	14.7±.1	
135	45				—	13.6	—		<14.7	
144	47					13.6	11.4		15.1	
204	64		13.5	13.9	13.2	13.5	11.7	14.9	15.1	
335	8103		<14.4	13.2	13.2	13.6	12.4	<14.6	15.1	
379	21		<14.9		13.5	13.6	11.9	14.8	15.1	
399	81		<14.9		13.2	13.6	11.6	15.5	15.1	
402	34		<14.9		13.2	13.6	12.1	15.7	14.8-9	
410	35									
418	36		<14.4		13.2	13.6	12.4	15.6	15.1	
422	39		<14.4		13.2	13.7	11.7	14.9	14.8-9	
462	66		<14.4		13.2	13.6	11.6	14.8	15.0	
553	8204		<14.4		13.2	13.7	12.3	15.1	14.9	
554	10									
556	12		<14.4		13.2	13.6	11.7	15.3	14.2	
559	13		<14.4		13.2	13.6	12.3	15.2±	15.1	
564	18		<14.4		13.3	13.5	12.5	15.3-4	15.1	
577	22		<14.4		13.7!!	13.6	12.4	15.4	14.9	

66

1-12.3 2-12.7 3-13.2 ✓14	1-12.1 2-12.4 3-13.1 4-13.5 ✓18	1-14.2 2-14.9 3-15.3 4-15.6 ✓10	1-14.0 2-14.5 3-15.1 ✓15	1-12.3 2-12.9 3-13.2 4-13.6 5-13.9 6-14.5 ✓3	6-14.5 7-15.0 8-15.5 ✓4	1-13.6 2-14.0 3-14.4 4-14.8 5-15.2 6-15.6 7-16.0 8-16.4 9-16.8 10-17.2 11-17.6 12-18.0 13-18.4 14-18.8 15-19.2 16-19.6 17-20.0 18-20.4 19-20.8 20-21.2 21-21.6 22-22.0 23-22.4 24-22.8 25-23.2 26-23.6 27-24.0 28-24.4 29-24.8 30-25.2 31-25.6 32-26.0 33-26.4 34-26.8 35-27.2 36-27.6 37-28.0 38-28.4 39-28.8 40-29.2 41-29.6 42-30.0 43-30.4 44-30.8 45-31.2 46-31.6 47-32.0 48-32.4 49-32.8 50-33.2 51-33.6 52-34.0 53-34.4 54-34.8 55-35.2 56-35.6 57-36.0 58-36.4 59-36.8 60-37.2 61-37.6 62-38.0 63-38.4 64-38.8 65-39.2 66-39.6 67-40.0 68-40.4 69-40.8 70-41.2 71-41.6 72-42.0 73-42.4 74-42.8 75-43.2 76-43.6 77-44.0 78-44.4 79-44.8 80-45.2 81-45.6 82-46.0 83-46.4 84-46.8 85-47.2 86-47.6 87-48.0 88-48.4 89-48.8 90-49.2 91-49.6 92-50.0 93-50.4 94-50.8 95-51.2 96-51.6 97-52.0 98-52.4 99-52.8 100-53.2 101-53.6 102-54.0 103-54.4 104-54.8 105-55.2 106-55.6 107-56.0 108-56.4 109-56.8 110-57.2 111-57.6 112-58.0 113-58.4 114-58.8 115-59.2 116-59.6 117-60.0 118-60.4 119-60.8 120-61.2 121-61.6 122-62.0 123-62.4 124-62.8 125-63.2 126-63.6 127-64.0 128-64.4 129-64.8 130-65.2 131-65.6 132-66.0 133-66.4 134-66.8 135-67.2 136-67.6 137-68.0 138-68.4 139-68.8 140-69.2 141-69.6 142-70.0 143-70.4 144-70.8 145-71.2 146-71.6 147-72.0 148-72.4 149-72.8 150-73.2 151-73.6 152-74.0 153-74.4 154-74.8 155-75.2 156-75.6 157-76.0 158-76.4 159-76.8 160-77.2 161-77.6 162-78.0 163-78.4 164-78.8 165-79.2 166-79.6 167-80.0 168-80.4 169-80.8 170-81.2 171-81.6 172-82.0 173-82.4 174-82.8 175-83.2 176-83.6 177-84.0 178-84.4 179-84.8 180-85.2 181-85.6 182-86.0 183-86.4 184-86.8 185-87.2 186-87.6 187-88.0 188-88.4 189-88.8 190-89.2 191-89.6 192-90.0 193-90.4 194-90.8 195-91.2 196-91.6 197-92.0 198-92.4 199-92.8 200-93.2 201-93.6 202-94.0 203-94.4 204-94.8 205-95.2 206-95.6 207-96.0 208-96.4 209-96.8 210-97.2 211-97.6 212-98.0 213-98.4 214-98.8 215-99.2 216-99.6 217-100.0 218-100.4 219-100.8 220-101.2 221-101.6 222-102.0 223-102.4 224-102.8 225-103.2 226-103.6 227-104.0 228-104.4 229-104.8 230-105.2 231-105.6 232-106.0 233-106.4 234-106.8 235-107.2 236-107.6 237-108.0 238-108.4 239-108.8 240-109.2 241-109.6 242-110.0 243-110.4 244-110.8 245-111.2 246-111.6 247-112.0 248-112.4 249-112.8 250-113.2 251-113.6 252-114.0 253-114.4 254-114.8 255-115.2 256-115.6 257-116.0 258-116.4 259-116.8 260-117.2 261-117.6 262-118.0 263-118.4 264-118.8 265-119.2 266-119.6 267-120.0 268-120.4 269-120.8 270-121.2 271-121.6 272-122.0 273-122.4 274-122.8 275-123.2 276-123.6 277-124.0 278-124.4 279-124.8 280-125.2 281-125.6 282-126.0 283-126.4 284-126.8 285-127.2 286-127.6 287-128.0 288-128.4 289-128.8 290-129.2 291-129.6 292-130.0 293-130.4 294-130.8 295-131.2 296-131.6 297-132.0 298-132.4 299-132.8 300-133.2 301-133.6 302-134.0 303-134.4 304-134.8 305-135.2 306-135.6 307-136.0 308-136.4 309-136.8 310-137.2 311-137.6 312-138.0 313-138.4 314-138.8 315-139.2 316-139.6 317-140.0 318-140.4 319-140.8 320-141.2 321-141.6 322-142.0 323-142.4 324-142.8 325-143.2 326-143.6 327-144.0 328-144.4 329-144.8 330-145.2 331-145.6 332-146.0 333-146.4 334-146.8 335-147.2 336-147.6 337-148.0 338-148.4 339-148.8 340-149.2 341-149.6 342-150.0 343-150.4 344-150.8 345-151.2 346-151.6 347-152.0 348-152.4 349-152.8 350-153.2 351-153.6 352-154.0 353-154.4 354-154.8 355-155.2 356-155.6 357-156.0 358-156.4 359-156.8 360-157.2 361-157.6 362-158.0 363-158.4 364-158.8 365-159.2 366-159.6 367-160.0 368-160.4 369-160.8 370-161.2 371-161.6 372-162.0 373-162.4 374-162.8 375-163.2 376-163.6 377-164.0 378-164.4 379-164.8 380-165.2 381-165.6 382-166.0 383-166.4 384-166.8 385-167.2 386-167.6 387-168.0 388-168.4 389-168.8 390-169.2 391-169.6 392-170.0 393-170.4 394-170.8 395-171.2 396-171.6 397-172.0 398-172.4 399-172.8 400-173.2 401-173.6 402-174.0 403-174.4 404-174.8 405-175.2 406-175.6 407-176.0 408-176.4 409-176.8 410-177.2 411-177.6 412-178.0 413-178.4 414-178.8 415-179.2 416-179.6 417-180.0 418-180.4 419-180.8 420-181.2 421-181.6 422-182.0 423-182.4 424-182.8 425-183.2 426-183.6 427-184.0 428-184.4 429-184.8 430-185.2 431-185.6 432-186.0 433-186.4 434-186.8 435-187.2 436-187.6 437-188.0 438-188.4 439-188.8 440-189.2 441-189.6 442-190.0 443-190.4 444-190.8 445-191.2 446-191.6 447-192.0 448-192.4 449-192.8 450-193.2 451-193.6 452-194.0 453-194.4 454-194.8 455-195.2 456-195.6 457-196.0 458-196.4 459-196.8 460-197.2 461-197.6 462-198.0 463-198.4 464-198.8 465-199.2 466-199.6 467-200.0 468-200.4 469-200.8 470-201.2 471-201.6 472-202.0 473-202.4 474-202.8 475-203.2 476-203.6 477-204.0 478-204.4 479-204.8 480-205.2 481-205.6 482-206.0 483-206.4 484-206.8 485-207.2 486-207.6 487-208.0 488-208.4 489-208.8 490-209.2 491-209.6 492-210.0 493-210.4 494-210.8 495-211.2 496-211.6 497-212.0 498-212.4 499-212.8 500-213.2 501-213.6 502-214.0 503-214.4 504-214.8 505-215.2 506-215.6 507-216.0 508-216.4 509-216.8 510-217.2 511-217.6 512-218.0 513-218.4 514-218.8 515-219.2 516-219.6 517-220.0 518-220.4 519-220.8 520-221.2 521-221.6 522-222.0 523-222.4 524-222.8 525-223.2 526-223.6 527-224.0 528-224.4 529-224.8 530-225.2 531-225.6 532-226.0 533-226.4 534-226.8 535-227.2 536-227.6 537-228.0 538-228.4 539-228.8 540-229.2 541-229.6 542-230.0 543-230.4 544-230.8 545-231.2 546-231.6 547-232.0 548-232.4 549-232.8 550-233.2 551-233.6 552-234.0 553-234.4 554-234.8 555-235.2 556-235.6 557-236.0 558-236.4 559-236.8 560-237.2 561-237.6 562-238.0 563-238.4 564-238.8 565-239.2 566-239.6 567-240.0 568-240.4 569-240.8 570-241.2 571-241.6 572-242.0 573-242.4 574-242.8 575-243.2 576-243.6 577-244.0 578-244.4 579-244.8 580-245.2 581-245.6 582-246.0 583-246.4 584-246.8 585-247.2 586-247.6 587-248.0 588-248.4 589-248.8 590-249.2 591-249.6 592-250.0 593-250.4 594-250.8 595-251.2 596-251.6 597-252.0 598-252.4 599-252.8 600-253.2 601-253.6 602-254.0 603-254.4 604-254.8 605-255.2 606-255.6 607-256.0 608-256.4 609-256.8 610-257.2 611-257.6 612-258.0 613-258.4 614-258.8 615-259.2 616-259.6 617-260.0 618-260.4 619-260.8 620-261.2 621-261.6 622-262.0 623-262.4 624-262.8 625-263.2 626-263.6 627-264.0 628-264.4 629-264.8 630-265.2 631-265.6 632-266.0 633-266.4 634-266.8 635-267.2 636-267.6 637-268.0 638-268.4 639-268.8 640-269.2 641-269.6 642-270.0 643-270.4 644-270.8 645-271.2 646-271.6 647-272.0 648-272.4 649-272.8 650-273.2 651-273.6 652-274.0 653-274.4 654-274.8 655-275.2 656-275.6 657-276.0 658-276.4 659-276.8 660-277.2 661-277.6 662-278.0 663-278.4 664-278.8 665-279.2 666-279.6 667-280.0 668-280.4 669-280.8 670-281.2 671-281.6 672-282.0 673-282.4 674-282.8 675-283.2 676-283.6 677-284.0 678-284.4 679-284.8 680-285.2 681-285.6 682-286.0 683-286.4 684-286.8 685-287.2 686-287.6 687-288.0 688-288.4 689-288.8 690-289.2 691-289.6 692-290.0 693-290.4 694-290.8 695-291.2 696-291.6 697-292.0 698-292.4 699-292.8 700-293.2 701-293.6 702-294.0 703-294.4 704-294.8 705-295.2 706-295.6 707-296.0 708-296.4 709-296.8 710-297.2 711-297.6 712-298.0 713-298.4 714-298.8 715-299.2 716-299.6 717-300.0 718-300.4 719-300.8 720-301.2 721-301.6 722-302.0 723-302.4 724-302.8 725-303.2 726-303.6 727-304.0 728-304.4 729-304.8 730-305.2 731-305.6 732-306.0 733-306.4 734-306.8 735-307.2 736-307.6 737-308.0 738-308.4 739-308.8 740-309.2 741-309.6 742-310.0 743-310.4 744-310.8 745-311.2 746-311.6 747-312.0 748-312.4 749-312.8 750-313.2 751-313.6 752-314.0 753-314.4 754-314.8 755-315.2 756-315.6 757-316.0 758-316.4 759-316.8 760-317.2 761-317.6 762-318.0 763-318.4 764-318.8 765-319.2 766-319.6 767-320.0 768-320.4 769-320.8 770-321.2 771-321.6 772-322.0 773-322.4 774-322.8 775-323.2 776-323.6 777-324.0 778-324.4 779-324.8 780-325.2 781-325.6 782-326.0 783-326.4 784-326.8 785-327.2 786-327.6 787-328.0 788-328.4 789-328.8 790-329.2 791-329.6 792-330.0 793-330.4 794-330.8 795-331.2 796-331.6 797-332.0 798-332.4 799-332.8 800-333.2 801-333.6 802-334.0 803-334.4 804-334.8 805-335.2 806-335.6 807-336.0 808-336.4 809-336.8 810-337.2 811-337.6 812-338.0 813-338.4 814-338.8 815-339.2 816-339.6 817-340.0 818-340.4 819-340.8 820-341.2 821-341.6 822-342.0 823-342.4 824-342.8 825-343.2 826-343.6 827-344.0 828-344.4 829-344.8 830-345.2 831-345.6 832-346.0 833-346.4 834-346.8 835-347.2 836-347.6 837-348.0 838-348.4 839-348.8 840-349.2 841-349.6 842-350.0 843-350.4 844-350.8 845-351.2 846-351.6 847-352.0 848-352.4 849-352.8 850-353.2 851-353.6 852-354.0 853-354.4 854-354.8 855-355.2 856-355.6 857-356.0 858-356.4 859-356.8 860-357.2 861-357.6 862-358.0 863-358.4 864-358.8 865-359.2 866-359.6 867-360.0 868-360.4 869-360.8 870-361.2 871-361.6 872-362.0 873-362.4 874-362.8 875-363.2 876-363.6 877-364.0 878-364.4 879-364.8 880-365.2 881-365.6 882-366.0 883-366.4 884-366.8 885-367.2 886-367.6 887-368.0 888-368.4 889-368.8 890-369.2 891-369.6 892-370.0 893-370.4 894-370.8 895-371.2 896-371.6 897-372.0 898-372.4 899-372.8 900-373.2 901-373.6 902-374.0 903-374.4 904-374.8 905-375.2 906-375.6 907-376.0 908-376.4 909-376.8 910-377.2 911-377.6 912-378.0 913-378.4 914-378.8 915-379.2 916-379.6 917-380.0 918-380.4 919-380.8 920-381.2 921-381.6 922-382.0 923-382.4 924-382.8 925-383.2 926-383.6 927-384.0 928-384.4 929-384.8 930-385.2 931-385.6 932-386.0 933-386.4 934-386.8 935-387.2 936-387.6 937-388.0 938-388.4 939-388.8 940-389.2 941-389.6 942-390.0 943-390.4 944-390.8 945-391.2 946-391.6 947-392.0 948-392.4 949-392.8 950-393.2 951-393.6 952-394.0 953-394.4 954-394.8 955-395.2 956-395.6 957-396.0 958-396.4 959-396.8 960-397.2 961-397.6 962-398.0 963-398.4 964-398.8 965-399.2 966-399.6 967-400.0 968-400.4 969-400.8 970-401.2 971-401.6 972-402.0 973-402.4 974-402.8 975-403.2 976-403.6 977-404.0 978-404.4 979-404.8 980-405.2 981-405.6 982-406.0 983-406.4 984-406.8 985-407.2 986-407.6 987-408.0 988-408.4 989-408.8 990-409.2 991-409.6 992-410.0 993-410.4 994-410.8 995-411.2 996-411.6 997-412.0 998-412.4 999-412.8 1000-413.2 1001-413.6 1002-414.0 1003-414.4 1004-414.8 1005-415.2 1006-415.6 1007-416.0 1008-416.4 1009-416.8 1010-417.2 1011-417.6 1012-418.0 1013-418.4 1014-418.8 1015-419.2 1016-419.6 1017-420.0 1018-420.4 1019-420.8 1020-421.2 1021-421.6 1022-422.0 1023-422.4 1024-422.8 1025-423.2 1026-423.6 1027-424.0 1028-424.4 1029-424.8 1030-425.2 1031-425.6 1032-426.0 1033-426.4 1034-426.8 1035-427.2 1036-427.6 1037-428.0 1038-428.4 1039-428.8 1040-429.2 1041-429.6 1042-430.0 1043-430.4 1044-430.8 1045-431.2 1046-431.6 1047-432.0 1048-432.4 1049-432.8 1050-433.2 1051-433.6 1052-434.0 1053-434.4 1054-434.8 1055-435.2 1056-435.6 1057-436.0 1058-436.4 1059-436.8 1060-437.2 1061-437.6 1062-438.0 1063-438.4 1064-438.8 1065-439.2 1066-439.6 1067-440.0 1068-440.4 1069-440.8 1070-441.2 1071-441.6 1072-442.0 1073-442.4 1074-442.8 1075-443.2 1076-443.6 1077-444.0 1078-444.4 1079-444.8 1080-445.2 1081-445.6 1082-446.0 1083-446.4 1084-446.8 1085-447.2 1086-447.6 1087-448.0 1088-448.4 1089-448.8 1090-449.2 1091-449.6 1092-450.0 1093-450.4 1094-450.8 1095-451.2 1096-451.6 1097-452.0 1098-452.4 1099-452.8 1100-453.2 1101-453.6 1102-454.0 1103-454.4 1104-454.8 1105-455.2 1106-455.6 1107-456.0 1108-456.4 1109-456.8 1110-457.2 1111-457.6 1112-458.0 1113-458.4 1114-458.8 1115
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		1-14.5 2-15.1 3-15.5 ✓ 29	1-14.2 2-11.7 3-12.6 4-13.0 5-13.4 6-14.0 7-14.4 8-14.9 ✓ 9	1-13.7 2-14.3 3-14.8 ✓ 39	1-13.0 2-13.4 3-13.6 4-13.9 ✓ 5	1-13.4 2-13.8 3-14.3 ✓ 2	1-11.1 2-11.5 3-11.8 4-12.1 5-12.6 ✓ 31	1-14.3 2-14.6 3-15.0 4-15.5 ✓ 37	1-13.8 2-14.1 3-14.7 4-15.2 ✓ 7	181 1-13.8 2-14.1 3-14.7 4-15.2 ✓ 23
60581	8224		14.4		13.7	—	12.3	15.4		13.9
596	27		14.9		13.6	13.6	11.7	14.6-7		15.2
61451	8456.397	—	—	—	—	—	—	—	—	—
2	430		13.9		13.3	13.6	12.2	15.6		14.8
3	462				13.7	13.6	12.3			14.6-7
4	495				13.4	13.6	12.3			14.9
6	560				13.7	13.6	12.4			15.1
7	592		✓		13.8	13.6	12.3	✓		15.1
462	57.367		13.9		13.7	13.6	12.5	15.2		15.1
3	400				13.6	13.6	12.3			15.1
4	432				13.5	13.4	11.9			15.0
5	465				13.4	13.6	11.7-6			15.0
6	497				13.6	13.7	11.6			14.5
8	563				13.7	13.6	11.7	✓		14.2-3
9	595		✓		13.7	13.6	11.7	✓		14.4
489	64		14.6		13.7	13.7	12.3	14.7		14.6 ✓
492	67		14.5		13.7	13.6	11.9	14.9		14.9-15.0
498	76		14.6		13.5	13.7	11.6	15		14.8
504	86		14.6		13.5	13.6	12.5	14.9		14.8-9
511	88.325		14.7		13.3	13.9	12.3	14.8		14.9
5	457		14.6		13.3	13.7	12.4	14.9		14.0
516	8503		14.9		12.9	13.6	12.1	14.5		14.9
517	84.274		14.4		12.9	13.6	12.0	14.5		14.4-5
Book	339		14.9		12.8	13.7	12.2	14.8-7		14.8-9
520	85.274		14.9		13.0	13.7	12.5	14.5		15
2	329		14.4		12.9	13.7	12.3	14.5		15.0
523	10.467		14.5		12.9	13.6	12.3	14.9		14.3
5	532		14.4		12.9	13.8	12.3	14.9		14.2-34
527	11		14.9		13.1	13.5	12.3	14.9		14.6
543	16		14.9		13.1	13.7	11.7	15.5		14.5

66

1-12.3 2-12.7 3-13.2 ✓ v14	1-12.1 2-12.4 3-13.1 4-13.5 ✓ v18	1-14.2 2-14.9 3-15.3 4-15.6 ✓ v10	1-14.0 2-14.5 3-15.1 ✓ v15	1-12.3 2-12.9 3-13.2 4-13.6 5-13.9 6-14.5 ✓ v3	6-14.5 7-15.0 8-15.5 ✓ v4	1-13.6 2-14.0 3-14.4 4-14.8 5-15.2 6-15.6 7-16.0 8-16.4 9-16.8 10-17.2 11-17.6 12-18.0 13-18.4 14-18.8 15-19.2 16-19.6 17-20.0 18-20.4 19-20.8 20-21.2 21-21.6 22-22.0 23-22.4 24-22.8 25-23.2 26-23.6 27-24.0 28-24.4 29-24.8 30-25.2 31-25.6 32-26.0 33-26.4 34-26.8 35-27.2 36-27.6 37-28.0 38-28.4 39-28.8 40-29.2 41-29.6 42-30.0 43-30.4 44-30.8 45-31.2 46-31.6 47-32.0 48-32.4 49-32.8 50-33.2 51-33.6 52-34.0 53-34.4 54-34.8 55-35.2 56-35.6 57-36.0 58-36.4 59-36.8 60-37.2 61-37.6 62-38.0 63-38.4 64-38.8 65-39.2 66-39.6 67-40.0 68-40.4 69-40.8 70-41.2 71-41.6 72-42.0 73-42.4 74-42.8 75-43.2 76-43.6 77-44.0 78-44.4 79-44.8 80-45.2 81-45.6 82-46.0 83-46.4 84-46.8 85-47.2 86-47.6 87-48.0 88-48.4 89-48.8 90-49.2 91-49.6 92-50.0 93-50.4 94-50.8 95-51.2 96-51.6 97-52.0 98-52.4 99-52.8 100-53.2 101-53.6 102-54.0 103-54.4 104-54.8 105-55.2 106-55.6 107-56.0 108-56.4 109-56.8 110-57.2 111-57.6 112-58.0 113-58.4 114-58.8 115-59.2 116-59.6 117-60.0 118-60.4 119-60.8 120-61.2 121-61.6 122-62.0 123-62.4 124-62.8 125-63.2 126-63.6 127-64.0 128-64.4 129-64.8 130-65.2 131-65.6 132-66.0 133-66.4 134-66.8 135-67.2 136-67.6 137-68.0 138-68.4 139-68.8 140-69.2 141-69.6 142-70.0 143-70.4 144-70.8 145-71.2 146-71.6 147-72.0 148-72.4 149-72.8 150-73.2 151-73.6 152-74.0 153-74.4 154-74.8 155-75.2 156-75.6 157-76.0 158-76.4 159-76.8 160-77.2 161-77.6 162-78.0 163-78.4 164-78.8 165-79.2 166-79.6 167-80.0 168-80.4 169-80.8 170-81.2 171-81.6 172-82.0 173-82.4 174-82.8 175-83.2 176-83.6 177-84.0 178-84.4 179-84.8 180-85.2 181-85.6 182-86.0 183-86.4 184-86.8 185-87.2 186-87.6 187-88.0 188-88.4 189-88.8 190-89.2 191-89.6 192-90.0 193-90.4 194-90.8 195-91.2 196-91.6 197-92.0 198-92.4 199-92.8 200-93.2 201-93.6 202-94.0 203-94.4 204-94.8 205-95.2 206-95.6 207-96.0 208-96.4 209-96.8 210-97.2 211-97.6 212-98.0 213-98.4 214-98.8 215-99.2 216-99.6 217-100.0 218-100.4 219-100.8 220-101.2 221-101.6 222-102.0 223-102.4 224-102.8 225-103.2 226-103.6 227-104.0 228-104.4 229-104.8 230-105.2 231-105.6 232-106.0 233-106.4 234-106.8 235-107.2 236-107.6 237-108.0 238-108.4 239-108.8 240-109.2 241-109.6 242-110.0 243-110.4 244-110.8 245-111.2 246-111.6 247-112.0 248-112.4 249-112.8 250-113.2 251-113.6 252-114.0 253-114.4 254-114.8 255-115.2 256-115.6 257-116.0 258-116.4 259-116.8 260-117.2 261-117.6 262-118.0 263-118.4 264-118.8 265-119.2 266-119.6 267-120.0 268-120.4 269-120.8 270-121.2 271-121.6 272-122.0 273-122.4 274-122.8 275-123.2 276-123.6 277-124.0 278-124.4 279-124.8 280-125.2 281-125.6 282-126.0 283-126.4 284-126.8 285-127.2 286-127.6 287-128.0 288-128.4 289-128.8 290-129.2 291-129.6 292-130.0 293-130.4 294-130.8 295-131.2 296-131.6 297-132.0 298-132.4 299-132.8 300-133.2 301-133.6 302-134.0 303-134.4 304-134.8 305-135.2 306-135.6 307-136.0 308-136.4 309-136.8 310-137.2 311-137.6 312-138.0 313-138.4 314-138.8 315-139.2 316-139.6 317-140.0 318-140.4 319-140.8 320-141.2 321-141.6 322-142.0 323-142.4 324-142.8 325-143.2 326-143.6 327-144.0 328-144.4 329-144.8 330-145.2 331-145.6 332-146.0 333-146.4 334-146.8 335-147.2 336-147.6 337-148.0 338-148.4 339-148.8 340-149.2 341-149.6 342-150.0 343-150.4 344-150.8 345-151.2 346-151.6 347-152.0 348-152.4 349-152.8 350-153.2 351-153.6 352-154.0 353-154.4 354-154.8 355-155.2 356-155.6 357-156.0 358-156.4 359-156.8 360-157.2 361-157.6 362-158.0 363-158.4 364-158.8 365-159.2 366-159.6 367-160.0 368-160.4 369-160.8 370-161.2 371-161.6 372-162.0 373-162.4 374-162.8 375-163.2 376-163.6 377-164.0 378-164.4 379-164.8 380-165.2 381-165.6 382-166.0 383-166.4 384-166.8 385-167.2 386-167.6 387-168.0 388-168.4 389-168.8 390-169.2 391-169.6 392-170.0 393-170.4 394-170.8 395-171.2 396-171.6 397-172.0 398-172.4 399-172.8 400-173.2 401-173.6 402-174.0 403-174.4 404-174.8 405-175.2 406-175.6 407-176.0 408-176.4 409-176.8 410-177.2 411-177.6 412-178.0 413-178.4 414-178.8 415-179.2 416-179.6 417-180.0 418-180.4 419-180.8 420-181.2 421-181.6 422-182.0 423-182.4 424-182.8 425-183.2 426-183.6 427-184.0 428-184.4 429-184.8 430-185.2 431-185.6 432-186.0 433-186.4 434-186.8 435-187.2 436-187.6 437-188.0 438-188.4 439-188.8 440-189.2 441-189.6 442-190.0 443-190.4 444-190.8 445-191.2 446-191.6 447-192.0 448-192.4 449-192.8 450-193.2 451-193.6 452-194.0 453-194.4 454-194.8 455-195.2 456-195.6 457-196.0 458-196.4 459-196.8 460-197.2 461-197.6 462-198.0 463-198.4 464-198.8 465-199.2 466-199.6 467-200.0 468-200.4 469-200.8 470-201.2 471-201.6 472-202.0 473-202.4 474-202.8 475-203.2 476-203.6 477-204.0 478-204.4 479-204.8 480-205.2 481-205.6 482-206.0 483-206.4 484-206.8 485-207.2 486-207.6 487-208.0 488-208.4 489-208.8 490-209.2 491-209.6 492-210.0 493-210.4 494-210.8 495-211.2 496-211.6 497-212.0 498-212.4 499-212.8 500-213.2 501-213.6 502-214.0 503-214.4 504-214.8 505-215.2 506-215.6 507-216.0 508-216.4 509-216.8 510-217.2 511-217.6 512-218.0 513-218.4 514-218.8 515-219.2 516-219.6 517-220.0 518-220.4 519-220.8 520-221.2 521-221.6 522-222.0 523-222.4 524-222.8 525-223.2 526-223.6 527-224.0 528-224.4 529-224.8 530-225.2 531-225.6 532-226.0 533-226.4 534-226.8 535-227.2 536-227.6 537-228.0 538-228.4 539-228.8 540-229.2 541-229.6 542-230.0 543-230.4 544-230.8 545-231.2 546-231.6 547-232.0 548-232.4 549-232.8 550-233.2 551-233.6 552-234.0 553-234.4 554-234.8 555-235.2 556-235.6 557-236.0 558-236.4 559-236.8 560-237.2 561-237.6 562-238.0 563-238.4 564-238.8 565-239.2 566-239.6 567-240.0 568-240.4 569-240.8 570-241.2 571-241.6 572-242.0 573-242.4 574-242.8 575-243.2 576-243.6 577-244.0 578-244.4 579-244.8 580-245.2 581-245.6 582-246.0 583-246.4 584-246.8 585-247.2 586-247.6 587-248.0 588-248.4 589-248.8 590-249.2 591-249.6 592-250.0 593-250.4 594-250.8 595-251.2 596-251.6 597-252.0 598-252.4 599-252.8 600-253.2 601-253.6 602-254.0 603-254.4 604-254.8 605-255.2 606-255.6 607-256.0 608-256.4 609-256.8 610-257.2 611-257.6 612-258.0 613-258.4 614-258.8 615-259.2 616-259.6 617-260.0 618-260.4 619-260.8 620-261.2 621-261.6 622-262.0 623-262.4 624-262.8 625-263.2 626-263.6 627-264.0 628-264.4 629-264.8 630-265.2 631-265.6 632-266.0 633-266.4 634-266.8 635-267.2 636-267.6 637-268.0 638-268.4 639-268.8 640-269.2 641-269.6 642-270.0 643-270.4 644-270.8 645-271.2 646-271.6 647-272.0 648-272.4 649-272.8 650-273.2 651-273.6 652-274.0 653-274.4 654-274.8 655-275.2 656-275.6 657-276.0 658-276.4 659-276.8 660-277.2 661-277.6 662-278.0 663-278.4 664-278.8 665-279.2 666-279.6 667-280.0 668-280.4 669-280.8 670-281.2 671-281.6 672-282.0 673-282.4 674-282.8 675-283.2 676-283.6 677-284.0 678-284.4 679-284.8 680-285.2 681-285.6 682-286.0 683-286.4 684-286.8 685-287.2 686-287.6 687-288.0 688-288.4 689-288.8 690-289.2 691-289.6 692-290.0 693-290.4 694-290.8 695-291.2 696-291.6 697-292.0 698-292.4 699-292.8 700-293.2 701-293.6 702-294.0 703-294.4 704-294.8 705-295.2 706-295.6 707-296.0 708-296.4 709-296.8 710-297.2 711-297.6 712-298.0 713-298.4 714-298.8 715-299.2 716-299.6 717-300.0 718-300.4 719-300.8 720-301.2 721-301.6 722-302.0 723-302.4 724-302.8 725-303.2 726-303.6 727-304.0 728-304.4 729-304.8 730-305.2 731-305.6 732-306.0 733-306.4 734-306.8 735-307.2 736-307.6 737-308.0 738-308.4 739-308.8 740-309.2 741-309.6 742-310.0 743-310.4 744-310.8 745-311.2 746-311.6 747-312.0 748-312.4 749-312.8 750-313.2 751-313.6 752-314.0 753-314.4 754-314.8 755-315.2 756-315.6 757-316.0 758-316.4 759-316.8 760-317.2 761-317.6 762-318.0 763-318.4 764-318.8 765-319.2 766-319.6 767-320.0 768-320.4 769-320.8 770-321.2 771-321.6 772-322.0 773-322.4 774-322.8 775-323.2 776-323.6 777-324.0 778-324.4 779-324.8 780-325.2 781-325.6 782-326.0 783-326.4 784-326.8 785-327.2 786-327.6 787-328.0 788-328.4 789-328.8 790-329.2 791-329.6 792-330.0 793-330.4 794-330.8 795-331.2 796-331.6 797-332.0 798-332.4 799-332.8 800-333.2 801-333.6 802-334.0 803-334.4 804-334.8 805-335.2 806-335.6 807-336.0 808-336.4 809-336.8 810-337.2 811-337.6 812-338.0 813-338.4 814-338.8 815-339.2 816-339.6 817-340.0 818-340.4 819-340.8 820-341.2 821-341.6 822-342.0 823-342.4 824-342.8 825-343.2 826-343.6 827-344.0 828-344.4 829-344.8 830-345.2 831-345.6 832-346.0 833-346.4 834-346.8 835-347.2 836-347.6 837-348.0 838-348.4 839-348.8 840-349.2 841-349.6 842-350.0 843-350.4 844-350.8 845-351.2 846-351.6 847-352.0 848-352.4 849-352.8 850-353.2 851-353.6 852-354.0 853-354.4 854-354.8 855-355.2 856-355.6 857-356.0 858-356.4 859-356.8 860-357.2 861-357.6 862-358.0 863-358.4 864-358.8 865-359.2 866-359.6 867-360.0 868-360.4 869-360.8 870-361.2 871-361.6 872-362.0 873-362.4 874-362.8 875-363.2 876-363.6 877-364.0 878-364.4 879-364.8 880-365.2 881-365.6 882-366.0 883-366.4 884-366.8 885-367.2 886-367.6 887-368.0 888-368.4 889-368.8 890-369.2 891-369.6 892-370.0 893-370.4 894-370.8 895-371.2 896-371.6 897-372.0 898-372.4 899-372.8 900-373.2 901-373.6 902-374.0 903-374.4 904-374.8 905-375.2 906-375.6 907-376.0 908-376.4 909-376.8 910-377.2 911-377.6 912-378.0 913-378.4 914-378.8 915-379.2 916-379.6 917-380.0 918-380.4 919-380.8 920-381.2 921-381.6 922-382.0 923-382.4 924-382.8 925-383.2 926-383.6 927-384.0 928-384.4 929-384.8 930-385.2 931-385.6 932-386.0 933-386.4 934-386.8 935-387.2 936-387.6 937-388.0 938-388.4 939-388.8 940-389.2 941-389.6 942-390.0 943-390.4 944-390.8 945-391.2 946-391.6 947-392.0 948-392.4 949-392.8 950-393.2 951-393.6 952-394.0 953-394.4 954-394.8 955-395.2 956-395.6 957-396.0 958-396.4 959-396.8 960-397.2 961-397.6 962-398.0 963-398.4 964-398.8 965-399.2 966-399.6 967-400.0 968-400.4 969-400.8 970-401.2 971-401.6 972-402.0 973-402.4 974-402.8 975-403.2 976-403.6 977-404.0 978-404.4 979-404.8 980-405.2 981-405.6 982-406.0 983-406.4 984-406.8 985-407.2 986-407.6 987-408.0 988-408.4 989-408.8 990-409.2 991-409.6 992-410.0 993-410.4 994-410.8 995-411.2 996-411.6 997-412.0 998-412.4 999-412.8 1000-413.2
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61573	8520	12.7	—	515.3		13.4	no	ff
589	23.277	12.4	12.0	15.4	14.9	13.3	no	
91	.407	12.4	—	14.6	14.2	13.3	25.0	14.6
3	.472	12.5	11.9	15.1	14.5	13.3		14.6
5	.537	12.4	11.9	15.4	14.9±	13.3	↓	—
597	25	12.3	11.9	15.2	14.7	13.3	no	14.75
599	26	12.5	11.9	—		13.3	no	
625	66	12.5	—	15		13.4	14.7	
62687	8877	12.5	11.9	15.4	14.8	13.5	14.2	14.6
696	78	12.8	12.2	15.4	14.3	13.4	13.9±	14.6
706	89							
707	92.346	12.5	11.9	15.0		13.4	15.3	ff
9	.412							
750	8917	12.4	12.0	14.0	14.8	13.4	15.0	
64831	9527	12.5	12.0	15.3	14.9	13.1	13.4	14.8±
920	77	12.4	11.9	15.5	15.0	13.5	15.2	15.2
65761	9849	12.5	11.9	14.45	14.2	13.3	no	14.6
66015	9933	12.5	12.0	15.2	14.7	13.8	14.7	
66076	62	12.9	11.9	15.2	14.8	14.0	12.0	14.9±

		1-14.5 2-15.1 3-15.5 ✓ 29	1-14.2 2-11.7 3-12.6 4-13.0 5-13.4 6-14.0 7-14.4 8-14.9 ✓ 9	1-13.7 2-14.3 3-14.8 ✓ 39	1-13.0 2-13.4 3-13.6 4-13.9 ✓ 5	1-13.4 2-13.8 3-14.3 ✓ 2	1-11.1 2-11.5 3-11.8 4-12.1 5-12.6 ✓ 31	1-14.3 2-14.6 3-15.0 4-15.5 ✓ 37	1-13.8 2-14.1 3-14.7 ✓ 23	181 1-13.8 2-14.1 3-14.7 4-15.2 ✓ 7
61573	8520		14.9		13.2	13.6	11.7-8	15.7		15.1
589	23.277		14.9		13.5	13.7	12.4	15.5±		14.9
91	407		↓		13.2	13.6	12.4			15.0 ✓
3	472		↓		13.2	13.9	12.4	↓		15.0 ✓
5	537		↓		13.2	13.6	12.4	↓		15.1
597	25		14.4		13.2	13.6	12.3	14.5		15.2-3
599	26		14.4		13.2	13.9	11.9	14.5		14.9
625	66		14.4		13.2	13.6	11.7	15.2±		15.0 ✓
12687	8877		14.9		13.3	13.6	12.2	15.1		15.1-2
696	78		14.8		13.3	13.8-9	11.7	15.0±		14.6-5
706	89									PI
707	92.346		14.4		13.3	13.6	12.5	14.5-6		
9	412									
750	8917		14.4		13.1	14.0	12.4	15.2±		14.0-1
64831	9527		11.5		13.8	13.5	12.2	15.4		15.1
920	77		13.3		13.1	13.6	12.2	14.9		14.9 ✓
65761	9849		11.5		13.3	13.5	12.0	15.6		15.2
66015	9933		13.3		13.5	13.6	12.5	15.6		15.1-2
6076	62		13.9		13.3	13.5	11.7	14.5-6		14.9
22756	8520	15.0		14.1	13.3	13.6				

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		1-13.0 2-13.4 3-13.9 4-14.0 5-14.9 6-15.2	1-8.8± 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-14.8 2-15.4 3-15.9	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2	1-15.1 2-15.6 3-15.8	1-13.8 2-14.6	1-10.8 2-11.3 3-11.9
	F	✓11	8028	✓66	✓16	✓13	12	28	24	32
19934	7718.396	✓	13.5	12.7	10.9	15.3	15.0	—	—	468
36	.461		—	12.6	—	15.5-6	15.0	—	—	11.1
38	.526		—	12.7	—	—	—	—	—	—
40	.594	✓	—	12.8	—	15.4	14.0	—	—	11.2
19945	22.380		13.5	12.5	10.9	15.4	14.3	15		11.4
47	.445			12.6		15.7	14.5			11
49	.510			12.7		15.8	14.7	15.7		11.0
51	.576	✓		12.7	✓	15.4	15.0	15.6		12.1
19958	23.397		13.5	12.7	10.9	15.2	15.0			110.9
60	.462			12.7		15.2	14.0			11.1
62	.527			12.65		15.5	—			—
64	.592	✓		12.6	✓	15.4	—			—
19974	27		134	12.6	10.8	15.4	—			—
21145	8073	13.3	12.9	12.7	9.9	15.7	14.8 15.7			—
21219	104.339	13.45	134	12.7	10.0	15.6	15.0 15.78			11.3±
21	.404		—	12.6	—	15.5	15.0 15.8			11.3±
23	.469		—	—	—	—	—			—
25	.540		—	12.6	—	15.1	13.7 15.7			11.0
21229	05.308	13.5	13.3	12.7	10.0	15.4	15.0 15.54		14.1	11.5
31	.373		—	12.6	—	15.8	14.8 15		—	17.0
33	.440		—	12.7	—	15.4	15.0			11.1
35	.509	✓	—	12.7	—	15.7	—			—
37	.578		—	12.7	—	15.8	—			—
22692	8511.342	✓	13.4	12.7	10.5	—	—			—
93	.375		—	12.7	—	—	—			—
94	.407		—	12.7	10.4±	—	—			—
22699	12.278	15.2	13.4	12.7	10.6±	—	—			—
701	.343		—	12.7	—	—	—			—
703	.408		—	12.7	—	—	—			—
22720	16	15.2	13.5	12.6	10.1	15.2	14.4 15.8			11.1

		1-12.3 2-12.7 3-13.2 -14	1-14.2 2-14.9 3-15.3 4-15.6 -10	1-12.1 2-12.4 3-13.1 4-13.5 18	1-14.0 2-14.5 3-15.1 15	1-17.3 2-12.9 3-13.2 4-13.6 5-13.9 3	5-13.9 6-14.5 7-15.0 8-15.5 4	1-14.1 2-14.8 3-15.3 4-15.5 30	1-14.35 2-15.11 3-15.5 29	189 1-14.2 6-14.0 2-14.7 7-14.9 3-14.6 8-14.9 4-13.6 5-13.4 9
9934	7718.396	12.6	14.7	11.9	15.2	13.1	13.3	14.9	15.3±	14.7
6	461	12.7	15.2	12.0	15.0	13.1	13.5	15.0	15.3	14.7
8	526	12.5	15.2	12.0-1	13.8	13.3	↓	15.0	15.3	↓
40	591	12.6	15.4	12.0	14.6-7	13.2	↓	15.0	13.9	↓
945	22.380	12.5	15.2	11.9	15.1	13.1	13.5	14.6	14.9	14.7
7	445	12.4	15.4	11.8	15.0	↓	↓	14.6	15.6	↓
9	510	12.6	15.5	11.8	15.1	↓	↓	15.0	15.6	↓
51	576	12.5	15.4	11.9	15.0	↓	↓	14.6	15.6	↓
958	23.397	12.5	15.2	11.9	14.3	12.7	13.7	14.2	15.4	14.8
60	462	12.6	15.4	12.0	14.7	13.0	↓	15.2	15.5	↓
2	527	12.5	15.1	11.9	14.9	↓	↓	15.0	15.5	↓
4	592	12.6	15.2	11.8	14.9	↓	↓	14.6-7	15.5	↓
974	27	12.4	15.1	12.0	14.4-3	13.1	13.8	15.0	15.4	14.8
1145	8073	13.1	15.2	11.8	13.9	13.2	no	15.0	15.4	13.2
219	104.339	12.4	15.4	13.1±	15.0	13.4	15.3	14.6	15.5	14.7
21	404	12.6	15.3	13.4	14.3-	13.3	15.2	15.0	15.4	↓
3	469									
5	540	12.6	14.7	12.3	14.7	13.0	↓	15.0	15.4	↓
229	05.308	13.1	15.6	12.2	14.8	13.1	15.0	14.6	15.7	14.8
31	373	12.7	15.5	11.8	14.9	13.0	↓	15.0	15.6	↓
3	440	12.8	15.4	11.9	14.9	13.0	↓	15.0	15.6	↓
5	509	12.5	14.0	11.9	15.3	13.0	↓	14.4	14.4-5	↓
7	578	12.5	15.1	11.8	15.1	13.1	↓	15.0	15.7	↓
22692	8511.342	-	15.1	11.9	15.2	13.4	13.4	14.9	15.6	14.8±
3	375	-	14.3	12.0	15.3	13.4-5	↓	14.6	15.6	↓
4	407	-	14.7	12.0	14.9	13.34	↓	15.1	15.6	↓
699	12.278	-	15.2	12.0	14.7	13.4	15.5	14.6	15.6	14.7
701	343	-	14.0	12.0	14.5	13.4	↓	15.0	15.6	↓
3	408	-	15.0-1	12.0	14.7	13.3	↓	15.2	15.6	↓
720	16	12.5	15.3	12.0-1	14.3	13.5	no	15.2	15.6	14.8

82

1-13.0 2-13.4 3-13.9 4-14.0 5-14.1 6-15.2	1-8.8± 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-14.9 2-15.4 3-15.9	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2	1-13.8 2-14.6 3-15.8	1-10.8 2-11.3 3-11.9
11	8028	16	16	13	12	28	32

22724	8517.311	no	13.4	12.7-8	10.67	-	-	-	-	-	227
39	.532			12.7	10.0	15.4	14.3	15.6			
22742	18.1	15.2	13.4	12.7	9.7	15.2	15.0	15.5			
22756	20.313	15.2	9.4	12.6	9.9	15.3	14.4	15.8	15.7	14.4	11.7
64	.469		9.0	12.7	-	15.5	14.9	15.5		14.2-3	11.8
22783	23.279	no	9.7	12.7	10.0!!	-	-	-			
85	.409		9.5	12.7	9.1	-	-	-			
87	.476		9.3	12.8	9.9	15.6	14.3	15.9			11.4-5
89	.542		9.2	12.89	-	15.7	14.4	15.8			11.5
22793	26	15.2	8.5	12.7	9.8	15.1	15.0	15.7			11.5
22798	42	no	13.4	12.7	10.0±	-	-	-			
23566	8745	15.2	13.4	12.7	10.6	15.5	-	-			235
23810	80	15.2	9.2	12.8	11.0	15.4	-	-			8
23854	83	no	13.4	12.7	11.2	-	-	-			85
23916	8804	15.0	13.5	12.7	11.3-4	-	-	-			91
24005	42	-	13.4	12.8	11.6	-	-	-			11.8
24021	43439	-	8.5	12.7	11.4	-	-	-			
25	.569	14.4	9.5	12.7	11.6	15.5	14.4	15.6			11.1
24051	46	14.4	11.0	12.7	11.6	-	-	-			
24091	62	no	13.4	12.8	11.4±	-	-	-			
24130	64.334	no	13.5	12.7	11.2-3	15.4	-	-			
45	.532	15.2	13.4	12.8	10.9-10	-	14.2	-			11.1
24242	8906	no	9.0	12.7	10.8	15.3	14.2	-			11.7-8
25154	9104	15.2	13.5	12.7	10.0	15.7	-	-			
25556	58	15.2	13.4	12.7	9.9	15.2	-	-			
25628	68	15.2	13.4	12.8	9.8	15.4	-	-			

		1-12.3	1-14.2	1-12.1	1-14.0	1-12.3	5-13.9	1-14.1	1-14.3	189
		2-12.7	2-14.9	2-12.4	2-14.5	2-12.9	6-14.5	2-14.8	2-15.1	1-14.2 6-14.0
		3-13.2	3-15.3	3-13.1	3-15.1	3-13.2	7-15.0	3-15.3	3-15.5	2-14.7 7-14.4
		4-15.6	4-15.6	4-13.5	4-15.1	4-13.6	8-15.5	4-15.5		3-13.6 5-14.9
		14	10	18	15	3	4	30	29	9
22724	8517.31	—	15.1	12.0	14.8	13.3	no	14.9	15.3	no
39	532	12.7	15.2	11.8	15.0	13.5	↓	15.1	15.3	↓ 39
42	18	12.5	15.5	11.9	15.0	13.3	no	14.9	15.3	no 13.2 42
756	20.313	12.8	15.5	11.9	15.0	13.5	no	14.9	15.2	14.5
69	469	12.4	15.2	11.8	14.4	13.7	↓	15.0	14.3	↓
783	23.279	—	15.1	11.9	14.9	13.5	no	15.2	14.8	14.7
5	409	—	14.4	12.0	14.2	13.4	no	14.5-6	15.3	14.8
7	476	12.5	15.1	12.0	14.7	13.4	↓	15.1	15.3	↓
9	542	12.7	15.3	11.8	14.8	13.7	↓	15.0	15.4	↓
793	26	12.6	15.2	11.9	15.0	13.3	no	14.6	14.9	15.0
798	42	—	15.4	12.1	15.0	13.3	no	15.3	15.6	no
23566	8745	12.5	15.4	11.9	14.6	13.4	no	15.4	15.4	11.4
810	80	12.5	15.2	11.8	14.9	13.8	14.7	14.6	15.2	12.5
854	83	12.6	15.2	12.0-1	14.9	13.8	14.7	15.0	15.2	12.4
916	8804	12.5	15.1	12.0	14.4	13.9	12.0	15.2	15.5	13.1
4005	42	12.5	15.3	11.9-1	14.2	13.0	12.1	15.0	14.9	14.2
021	43489	12.5	15.1	12.0	14.9	13.4	12.9	15.0	14.5	14.4
25	569	12.4	15.3	12.0	15.1	13.3	↓	15.0	15.0	↓
051	46	12.4	15.2	12.1	15.3	13.4	12.5	15.1	15.0	14.3
091	62	12.5	15.4	12.0	14.8	13.3	13.5	15.1	15.3	14.8
130	64.334	13.0	15.3	12.0	14.9	13.1	13.7	14.9	15.3	14.8
45	532	12.5	15.2	11.8	14.1	13.3	↓	15.1	15.0	↓
242	8906	12.4	15.4	12.0	14.9	13.5	no	15.1	15.3	14.9
25154	9104	12.4	15.0	11.9	14.2	13.7	14.3	15.2	15.3	12.3
556	58	12.8	15.2	12.0	15.0	13.2-3	no	15.0	14.8	12.9
628	68	12.5	15.0	12.0	14.9	13.3	no	15.0	15.2	13.1-2

1-13.0 2-13.4 3-13.9 4-14.0 5-14.1 6-15.2	1-8.8± 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-14.9 2-15.4 3-15.9	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2	1-13.8 2-14.6 3-15.8	1-10.8 2-11.3 3-11.9
11	8028	1516	1516	1513	12	28	32

BS7810	7364	—	13.4	13.0	9.9					5781
57817	65	—	13.4	12.8	10.0					81
57829	→99	—	8.7	12.7	10.0					82
57832	→99	—	13.4	12.8	9.6				11.2	82
57835	→7421	—	15	12.8	9.9				11.1	83
57839	→22	—	13.3	12.7	10.0	15.3	14.7		11.7	83
57845	→25	no	13.2	12.7	10.0		14.4		11.1	84
57851	→26	—	13.3	12.7	10.0±	15.4	14.6		11.5	85
57855	→27	—	13.3	12.7	10.0±		14.7		11.4	85
57858	→43	—	9.3	12.7	10.2				11.6	85
57865	→45	—	13.3	12.7	10.0±				11.5	86
57870	→49	—	13.4	12.8	9.9				11.2	87
57878	→54	—	13.4	12.8	10.4-5.4		15		11.7	87
57885	→56	no	13.4	12.8	10.1	15.4	14.7		11.5	88
57907	→57	—	13.5	12.7	10.1		14.3		11.8	90
57941	→73	no	13.3	12.7	10.0-9.9				11.2	94
57950	→78	—	15	12.8	—				11.4	95
59000	→84	—	9.0	12.8	11.1-2		15		11.5	99
59020	→1658	—	13.5	12.7	11.2				11.8	02
59053	60	—	13.5	12.7	11.2				11.6	05
59061	69	no	13.5	12.7	11.2				11.5	06
59088	70	—	13.4	12.7	11.3				11.6	08
59100	83	—	13.3	12.8	10.5				11.6	10
59115	84	—	13.4	12.7	11.3				11.6	11
59138	85	no	13.5	12.8	10.8				11.6	13
59143	90	—	13.5	12.8	10.8±				11.6	14
59171	7695	—	13.4	12.8	10.8±				11.6	17
59179	97	—	13.4	12.8	11.2				11.5	17
59183	98	—	13.4	12.8	11.3				11.8	18
59186	7700	—	11.8-9	12.7-8	10.9				11.8	18
59204	14	no	13.5	12.7	10.8				11.5	20
59250	26	—	13.5	12.8	11.1				11.5	25

		1-12.3	1-14.2	1-12.1	1-14.0	1-17.3	5-13.9	1-14.1	1-14.35	189
		2-12.7	2-14.9	2-12.4	2-14.5	2-12.9	6-14.5	2-14.8	2-15.11	1-14.2 6-14.0
		3-13.2	3-15.3	3-13.1	3-15.1	3-13.2	7-15.0	3-15.3	3-15.5	2-14.7 7-14.4
		4-15.6	4-15.6	4-13.5	4-13.5	4-13.6	8-15.5	4-15.5		3-12.6 5-14.9
		14	10	18	15	3	4	30	29	9
57810	7364	12.5	-	11.9		13.1	no			113.0
817	65	12.5	-	12.0		13.1	no			112.6
829	99	12.4	-	11.9	14.9	13.1	no			113.0
832	7421	12.5-6	-	11.9		13.1				113.7
835	22	-	-	11.9		-	-			-
839	25	12.5	15.2	11.9	15.0	13.0	14.3	15.1		114.4
845	26.7	12.5	15.4	12.0	14.3	12.5	14.3	15.2		114.0
851	27	12.5	15.4	12.0	14.9	13.0	14.3	15.1		114.0
855	43	12.5	15.2	12.0	14.7	13.1	13.3	15.0		113.4
858	45	12.5	15.4	11.9	15.0	13.0	12.0	15.0		114.0
865	49	12.5	15.1	11.9	15.0	12.4	12.0	14.7		114.0
870	54	12.5	15.1	11.9	-	12.7	11.8	-		113.0
878	56	12.4	15.3	11.9	15.3	12.5	11.5	15.0	bt	114.4
888	57	12.6	15.4	12.0	14.7	12.7	11.8	14.6		no
907	73	12.5	15.4	11.8	15.0	13.3	12.0	15.1		114.0
941	78	12.6	15.1	11.8	15.2	13.2	12.0	15.1		114.4
950	84	13.3	-	bt	15.2	12.8	12.6			bt
9000	7658	12.4	15.2	12.0	14.7	13.7	14.7	14.6		13.2
020	60									
053	69	12.5	15.3	bt	15.0	13.6	13.0			13.5±
061	70	13.4	15.4	12.1-2	14.9	13.7	13.0			13.8
088	83	12.5	-	bt	14.8	13.7	12.6			13.7
100	84	13.0	-	11.9		13.7	12.5			113.0
115	85	12.5	-	12.0	14.6	13.4	12.6			no
132	88	12.6	15.0	11.9	14.8	13.4	12.6			113.0
143	90	12.6	14.6	12.2	14.9	13.4	12.0			113.0
171	7695	12.5	14.6	12.2	15.0	13.5	12.5			113.0
179	97	13.4	15.4	12.2	15.0	13.3	12.5	ft		13.89
183	98	12.5	-	12.1±	14.1	13.5	12.6			113.0
186	7700	12.5	14.6	12.2	14.52	13.4	12.6			113.4
204	14	12.4	14.7	12.0	14.2	13.1	13.1			14.1
250	26	12.6	15.2	12.0	15.0	13.1	14.1	ft		14.0

1-13.0 2-13.4 3-13.9 4-14.0 5-14.9 6-15.2	1-8.8± 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-14.8 2-15.4 3-15.9	1-13.5 2-14.1 3-14.6 4-14.9 5-15.2	1-15.1 2-15.6 3-15.8	1-13.8 2-14.6	1-10.8 2-11.3 3-11.9
11	8028	151	116	113	12	28	24	32

59265	7740	—	13.4	12.8	10.2±				11.0	59265
59315	55									30
59325	56	—	11.0	12.7	10.5				11.2	32
59333	76	—	9.1	12.6	10.0				11.7	33
59336	79	—	13.4	12.7	10.0				11.7	33
59352	99	—	13.4	12.8	10.0				11.8	35
59365	7801	—	13.4	12.7	10.6				11.6	36
59372	07	—	9.5	12.7	10.3±				11.2	37
59387	10	7	11	12.8	9.9±				11.8	38
59448	41	—	13.1	12.7	10.0				11.8-9	44
60118	8041	—	13.4	13.5	12.7	10.0±			—	60118
60206	64	—	12.6	12.7	10.0				11.6	20
60337	8103	—	13.0	13.2	10.5				11.6	33
60380	21	no	9.8	12.8	10.5				11.6	38
60384	24	—	13.4	12.8	10.1				11.6	38
60388	25	—	13.4	12.7	10.1				—	38
60400	31	—	13.4	12.7	10.0				11.7-8	400
60403	34	—	13.3	12.7	10.1				11.5	40
60426	54	—	13.0	9.0	12.7	10.1			11.4	42
60463	66	—	13.4	13.4	12.7	10.5			11.7	46
60486	82	—	13.4	13.4	12.7	11.2			11.2	48
60555	8210	no	9.9	12.8	10.9				11.8	55
60557	12	no	13.2	12.7	10.9				11.8	55
60560	13	no	13.0	12.7	10.6				11.5	56
60566	18									56
60579	22	—	13.4	12.7	10.0				11.6	57
60582	24	—	13.3	12.7	10.0				11.5	58
60597	27	—	9.8	12.8	10.9				11.1	59
62205	8722	—	8.8	12.7	9.9				11.1	62
62694	8827	—	13.3	12.8	11.2				11.1	6
64741	9501		13.3	12.7	10.3					

1-12.3 2-12.7 3-13.2 -14	1-14.2 2-14.9 3-15.3 4-15.6 -10	1-12.1 2-12.4 3-13.1 4-13.5 18	1-14.0 2-14.5 3-15.1 15	1-17.3 2-12.9 3-13.2 4-13.6 5-13.9 3	5-13.9 6-14.5 7-15.0 8-15.5 4	1-14.1 2-14.8 3-15.3 4-15.5 30	1-14.3 2-15.1 3-15.5 29 -
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189
1-14.2 6-14.0
2-14.7 7-14.9
3-15.3 8-14.9
4-13.4
5-13.4

59265	7740	12.5	15.3	11.9	15.0	12.8	15.2		14.0
318	55								
325	56	13.4	15.2	12.0	14.2	12.9	15.0	15.0	14.4
333	76	12.5	15.0	11.9	14.7	12.8	15.0	15.2	14.4
336	79	13.5	15.3	11.9	14.9	13.0	15.0		13.4
352	99	12.5	15.4	12.0	14.9	13.1	15.5		14.0
365	7801	12.6	15.4	11.9	14.9	13.2	15.5	15.0	14.0
372	07	12.5	15.1	11.9	14.0	13.0	15.0		13.4
387	10	68	-	68		13.1	no		13.0
448	41	12.6	15.4	12.2	14.9	13.4	no		14.0
60118	8041	13.1	14.2	12.2	15.0	13.5	no		
206	64	12.4	15.5	12.0	14.3	13.1	no	15.1-2	13.8
337	8103	-	15.5	12.0	ft				14.2
380	21	12.5	14.3	12.3	15.0	13.2	13.7	15.0	14.4
384	24	12.5	15.1	12.1	14.3	12.9-8	13.3	15.0	14.4
388	25	12.5	15.0-1	12.0	15.0	12.8	13.5	14.6	14.4
400	31	12.5	15.4	12.0	14.3	13.0	12.7	15.0	14.4
403	34	12.5	14.7	11.9	15.0	13.1	12.6	14.9	14.4
426	54	12.5	15.1	12.0	14.9-8	13.5	12.5	14.6	14.4
463	66	12.5	15.1	11.9	14.7	13.7	12.5	ft	14.4
486	82	12.5	14.3	11.8	14.7	13.3	13.4	15.0	14.4
555	8210	12.5	15.1	11.9	14.4	13.5	15.2	15.0	14.4
557	12	13.3	15.4	12.0	15.2	13.5	15.3	15.0	14.0
560	13	12.5	15.2	12.0	14.8	13.4	15.2	ft	14.4
566	18								
579	22	12.5	15.2	11.9	15.0	13.5	15.5	14.8	no
582	24	12.5	15.1	12.0	14.7	13.5	15.6	14.9	no
597	27	12.5	15.2	12.8	15.0	13.4	no	ft	14.0
62205	8722	12.5	15.4	12.2	14.9	13.0	no	14.3	11.3
688	8877	12.6	14.1	12.0	14.4	13.4	14.1	ft	14.2
9501		12.5	15.5	12.0	14.5	12.8	13.5	15.0	11.4

64956 9586
 65062 9640
 65819 9868

13.3 12.8 10.0
 13.3 12.7 10.0
~~8.5~~ 6.5 9.9

3 2 14 10 18
 12.6 15.2 12.0
 11.4 12.5 15.5 11.9
 12.6 15.5 11.9

15
 14.5
 15
 15

15	3	4	30	9
14.8	13.8	no	fr	13.3
15.0	13.5	no	14.9	14.2
15.0	13.5	no	14.9	11.4

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		1-8.8 ² 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2 8-13.9	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-13.0 2-13.4 3-13.8 4-14.4 5-15.2 6-15.5	1-8.9 2-9.3 3-9.7	1-12.3 2-12.9 3-13.2 4-13.6	5-13.9 6-14.3 7-15.0 8-15.5	1-11.2 2-11.7 3-12.6 4-13.0 5-13.4 6-14.0
8028	2 ^h -75 ⁰	13.4	13.4	9.8-9.2	—	9.5	13.7	no	no
31	5565.341	13.4	13.4	9.6	—	9.6	13.1	14.3	no
73	94.367	13.4	13.4	9.9-10.0	—	9.6	12.7	12.8	no
120	5621.300	11.4-3	12.9	9.8	—	9.8	13.0-1	12.5	13.6
149	50.289	9.5±	10.1	10.1	—	9.9	13.5	no	no
578	5887.436	13.4	10.1	10.1	—	9.8	13.1	no	no
638	5917.385	9.7	10.1	10.1	—	9.8	13.1	no	no
701	65.294	10.1	10.1	10.1	—	9.7	13.5	no	no
706	67.363	10.1	10.1	10.1	no	9.8	13.4	13.5	no
743	97.292	10.1	10.1	10.1	no	9.8	13.4	13.5	no
778	6012	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1131	6176.602	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1165	82.540	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1227	6210.549	no	10.1	10.1	no	9.8	13.4	13.5	no
1269	21.592	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1313	43.499	9.5	10.1	10.1	no	9.8	13.4	13.5	no
1365	72	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1421	6335.288	10.1	10.1	10.1	no	9.8	13.4	13.5	no
1451	66.292	8.5	10.1	10.1	no	9.8	13.4	13.5	no
1999	65563.616	10.1	10.1	10.1	no	9.8	13.4	13.5	no
2033	68.552	10.1	10.1	10.1	no	9.8	13.4	13.5	no
2244	6629.473	10.1	10.1	10.1	no	9.8	13.4	13.5	no
2364	97.313	10.1	10.1	10.1	no	9.8	13.4	13.5	no
3630	7009.373	10.1	10.1	10.1	no	9.8	13.4	13.5	no
3724	44.319	10.1	10.1	10.1	no	9.8	13.4	13.5	no
5519	7653.572	10.1	10.1	10.1	no	9.8	13.4	13.5	no
5719	7722.455	13.2	11.2	11.2	—	9.6	13.1	13.7	14.5
5754	40.500	13.4	11.2	11.2	—	9.8	13.0	14.7	no
5845	7801.300	10.1	11.0±	11.0±	—	9.9	13.1	no	no
6273	8344.640	10.1	10.1	10.1	—	9.9	13.1	no	no
6962	90.139	11.3	10.1	10.1	—	9.9	13.1	no	no
7045	99.539	13.4	10.1	10.1	no	9.9	13.1	no	no
7191	8520.386	9.2	10.1	10.1	no	9.9	13.1	no	no
7542	8759.538	9.2	10.1	10.1	no	9.9	13.1	no	no

1-13.0 2-13.4 3-13.6 4-13.9	44,190	1-13.0 2-13.4 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.7	1-11.8 5-13.4 2-12.1 6-13.9 3-12.6 7-14.7 4-12.9 8-15.1	
5	20.5	1.6	4.0	14.4	227	34	44	2
12.7	8.5	14.0						
13.3	8.4	12.7	no	13.4-5	13.6	—		73
13.3	8.4	13.8	—	9	—	—		
13.0	8.5	14.2	—	13.9	—	—		149
13.3	8.2	<13.7	—	—	—	—		578
13.5	8.5	<13.4	—	—	—	—		638
13.3	8.6	13.1	—	—	—	—		701
13.3	8.7	13.1	—	—	—	—		706
13.1	8.7	13.8-9	—	—	—	—		743
bt	8.4 778 → 8.1	—	—	—	—	—		778
	8.6-5	—	—	—	—	—		1131
13.1	8.5	13.62	—	—	—	—		1165
13.3	8.5	13.1±	—	13.5	—	—		1227
13.3	8.5	13.2±	—	13.4-5	—	—		1269
13.1	8.4	13.62	—	—	—	—		1313
13.5I	8.5-6	<13.4	—	—	—	—		1365
bt	8.5	—	—	—	—	—		1421
13.2	8.5	<13.7	—	—	—	—		1451
13.3	8.5	12.8	—	—	—	—		1999
13.2-3	8.5	12.8	—	—	—	—		2033
13.2-3	8.6	<14.0	—	—	—	—		2244
bt	8.5	—	—	—	—	—		2364
bt	8.5	—	—	—	—	—		3630
13.1	8.5	—	—	—	—	—		3724
13.1	8.6	13.3	—	14.1	14.0	—		5519
13.3	8.4	14.3	—	—	—	—		5719
13.2	8.4	13.5	<15.2	14.5	14.0-1	14.1		5754
13.3	8.7	13.5	—	—	—	—		5845
13.1	8.5	13.1	no	14.1	14.0	—		6873
13.3I	8.4	13.67	<15.2	14.5	14.4±	14.3-2		6962
13.1	8.4	13.8-9	<15.2	14.12	<14.4	<14.4		7045
13.2	8.5	13.9	<15.2	13.2	14.6	—		7191
13.0	8.5	13.8-9	<15.2	13.2	13.6	—		7542

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Bs 2 ¹ -75 ⁰		1-8.8 ² 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.1 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8 5-16	1-13.0 2-13.4 3-13.8 4-14.4 5-15.2	1-8.9 2-9.3 3-9.7 4-36	1-12.3 2-12.9 3-13.2 4-13.6	5-13.9 6-14.5 7-15.0 8-15.5	1-11.2 2-11.7 3-12.6 4-13.0 5-13.4 6-14.0
8028		8028	56	16	11	36	3	4	9
7672	8878.304	13.1	bs	10.8	—	9.5	13.3	no	no
8084	9079.617	13.4	bs	9.9	—	9.1	13.5	13.7	11.9
8158	9116.622	9.5	bs	10.1	—	9.9	13.3	13.5	11.6
8209	42.411	bs	bs	10.1	—	9.9	13.1	no	12.8
8314	9202.355	bs	bs	10.1	—	9.2	13.1	no	14.2
8400	46.303	13.4	bs	10.0-9.8	—	9.9	13.5-9	13.6-5	14.7
8469	9304.296	13.3	bs	10.1	—	9.5	13.8	13.1	no
8868	9435.639	bs	bs	11.2	—	9.6	13.3	13.5	14.8
8884	40.532	12.1	bs	11.4	—	9.5	13.6-7	no	14.7
9060	93	bs	bs	10.8	—	9.9	13.0	14.0-1	11.4
9073	99	bs	bs	10.1	—	9.8	13.12	13.6-8	11.0
9089	9501	bs	bs	10.6	—	9.9	13.1	—	11.5
9194	62	bs	—	9.8	—	10.5	—	—	—
9220	67	no	bs	10.0	—	10.2	—	—	—
9313	9629	bs	bs	10.0	—	9.6	14.2	no	14.2
9360	9666	bs	bs	10.2	—	9.4	13.3	no	no
9715	9805	bs	bs	10.0	—	9.6	—	—	—
9741	08	12.8	bs	9.5	—	9.6	12.8	no	no
9889	49	12.8±	bs	9.6	—	9.3	13.1	no	11.4
9890	49	13.0	bs	9.4	no	9.5	13.5	no	11.9
9940	63	bs	bs	9.8	—	9.9	13.2±	no	11.2±
9955	65	bs	bs	9.4	—	9.7	13.3	no	11.2±
4 - 75 ⁰	10085 9913 10072 723	13.0 no	12.8 12.9	9.4 9.6	—	9.5 9.7±	bs	no	12.0± 12.4
1420	6334.352	bs	bs	10.1	no	9.9	13.8	13.0	no
1517	6412.223	bs	—	11.2	—	10.0	—	—	12.1
2115	6593.554	9.7	bs	10.2	no	9.8	14.3	14.3	no
2291	6664.462	no	bs	10.1	<bs	9.8	—	—	—
2397	6715.350	13.4	bs	10.0	<bs	9.8	13.4	no	no
2497	69.269	13.4	bs	9.8	<bs	9.2	13.0	12.4	no
3514	6970.565	no	—	10.1	<13.0	9.1	—	—	—
3096	— 9926	13.3	12.6	10.2	—	9.4	no	13.8	12.7

1-13.0 2-13.4 3-13.6 4-13.9	49.190	1-13.0 2-13.0 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.7	1-11.8 2-12.1 3-12.6 4-12.9	5-13.4 6-13.9 7-14.1 8-15.1	
5	20.5	16	410	144	127	134	144	12	
13.3	8.5	13.9	415.2	13.5	13.7				7672
13.2	8.5	13.2	415.2	13.4-3	13.8±				7884
13.4	8.5	13.9	415.6	13.5	13.9-14.0	14.0±			8158
13.3	8.7	13.8	415.2	14.4-5	14.4±				8209
13.3	8.4	13.5	415.6	13.1±	14.56	15±			8314
12.8-7	8.6	13.8	415.6	13.5-4	14.2				8400
13.3	8.5	13.0-1	415.6	14.1	14.3-2				8469
13.3	8.4	13.3	415.2	14.3±	14.1±				8868
13.7	8.5	13.3-4							8884
13.0	8.5	14.2							9060
12.9:	8.4	413.7	415.2	14.3±	14.1±				9073
13.1	8.5	413.4							9089
—	6.8-2:	—							9194
6.5	8.4	—							9220
13.2	8.5	13.8	415.2	14.2-3	14.4				9313
12.8	8.7	13.2							9360
12.7	8.5	416.5							9715
13.1	8.5	14.2	415.2	13.1±	13.6				9741
13.5	8.7	13.5							9889
13.5±	8.7	13.5	415.4	13.6	14.0	14.6±			9890
13.3	8.4	13.5	20	14					9940
13.5	8.5	13.3	415.2	13.4	14.4				9955
13.2	8.7	13.6							10055
13.3	8.7	13.8±							10072
12.8	8.5	13.1							1420
—	—	—							1517
13.5	8.4	13.6							18.6 2115
13.3	8.4	13.5							412.6 2291
13.5	8.7	13.6							412.9 2397
13.2	8.5	13.8							413.4 2497
—	8.4	13.8							412.1 3514
13.3	8.7	13.8	415.6	14.0	13.6				10096

1994	1-8.5 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.1 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-13.0 2-13.4 3-13.8 4-14.0 5-14.2 6-14.5	1-8.9 2-9.3 3-9.7	1-12.3 2-12.9 3-13.2 4-13.6	5-13.8 6-14.5 7-15.0 8-15.5	1-16.2 2-11.7 3-13.0 4-13.0 5-13.4 6-14.0	
8028	21-75°	8028	8028	8028	8028	8028	8028	8028	
3550	6977.516	ft	bt	10.0	—	9.5	13.7	no	no
3826	7076.365	no	bt	10.8	—	9.6	13.7	no	no
3998	99292	ft	bt	10.8	—	9.7	13.1	no	no
3971	7158.250	13.4	bt	10.1	<13.8	9.5	13.4	no	13.3
4803	7456.347	<bt	—	9.8	no	9.6	13.7	—	13.7
4820	57.488	<bt	—	19.8	—	10.2	—	—	—
4812	57.346	—	—	9.7	—	9.9	—	—	—
5639	7691.570	13.4	bt	11.4	<bt	9.4	13.3	12.8-7	14.3±
5778	7754.486	9.3	bt	10.3±	<13.8	9.6	13.0	no	no
5886	7811.291	13.3	bt	10.9	<14.0	9.8	13.3	no	<14.4
6498	8104	ft	—	9.5	no	9.5	—	—	—
6519	8125.449	ft	bt	9.9	<13.4	9.6	13.0	12.8	no
7106	8432.510	13.5	bt	9.9	<13.8	9.7	13.2±	ft	13.9
7163	86.450	13.6	bt	10.4	<13.4	9.8	13.4	no	14.7
7245	8598.276	13.5-6	bt	10.1	<14.0	9.8	13.1	12.7	<14.9
7570	8777	13.2	bt	11.2	no	9.5	13.9	no	12.6±
7607	8864.590	13.0	bt	10.8	<13.0	9.6	13.5	12.8	13.3
7706	8929.304	13.0	bt	10.8	<14.4	9.6	13.5	12.8	<14.9
8138	1107	13.4	bt	10.8	<13.0	10.1	13.5	ft	11.9
8647	8853	13.4	bt	10.8	<13.4	9.8	13.1	13.1	no
8151	8853	13.4	bt	10.8	<13.4	9.8	13.1	13.1	12.3
8658	8864	13.0	bt	11.6	no	9.2	13.1	13.5	no
8198	39	12.2	bt	10.9	<13.8	9.8	13.8	no	13.1
8674	8979	12.0	bt	10.9	<13.8	9.8	13.8	no	no
8231	9155.519	13.0	bt	10.9	<13.0	9.6	13.1-3	14.5±	no
8308	9988 →	13.0±	bt	10.9	<13.0	9.6	13.1	no	no
8355	9214.474	12.0	bt	10.1	<13.8	9.4	13.1	no	13.8
8358	14	13.4-0	bt	10.0	—	9.4	13.7	no	no
8377	21	12.8-5	bt	9.9	<14.0	9.5	13.4	no	14.3
8380	9222.455	13.0	bt	10.0	<14.4	9.7	13.5	no	14.7
8407	47	13.4	bt	9.8	<14.0	9.8	14.2	no	no
8413	66.446	no	—	9.5	—	9.5	14.0	13.3-4	no
8415	66	13.4	bt	9.8	<13.8	9.5	14.0	13.3-4	no
8432	72.347	ft	bt	9.8	<13.8	9.5	ft	bt	no
8458	9300	ft	—	9.9	—	9.8	—	—	—

1-13.0 2-13.4 3-13.6 4-13.9	49.1901	1-13.0 2-13.4 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6 4.0	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.9	1-11.8 5-13.4 2-12.1 6-13.9 3-12.6 7-14.1 4-12.9 8-15.1	
5	8.5	1.6	4.0	1.111	4.27	4.34	4.44	4.2
13.1	8.4	4.65						3550
13.2	8.5	—						412.1 3826
13.5	8.4	13.5						12.3 3898
13.1	8.5	13.6						3971
13.5	8.5							4803
	8.6							4820
	8.5							48
13.5	8.6	13.5	414.6	413.7	14.1	413.3	—	12.0 5639
13.1	8.5	13.1	414.6	414.3	13.944	14.4	—	413.9 5778
13.42	8.6	13.7						5880
	8.7							6498
13.3	no	13.3	415.2	13.5	14.0	14.6	413.1	413.9 516 (8.2) 6519
12.8	8.5	14.2	415.2	14.5	13.9	14.5-6	—	11.9 7106
13.5	8.5	13.3	415.2	13.9	13.9	13.8		11.9 7163
13.1	8.5	13.2-3	415.2	13.5	14.2	414.4		13.6 7245
13.2	8.5	13.5	415.2	14	14.2	414.4		7570
13.5	8.5	13.9	—	13.0-1	13.6			13.6 7607
13.3	—	—						13.2 7706
13.02	—	—						8138
13.5	—	—						7647
65	8.5							8159
13.0								7658
13.2								8158
13.3								7674
—								8284
13.3								7785
—								9308
13.3								412.1 8355
—								8358
13.3								8377
13.3			415.2	13.2	14.3-2	414.4		13.4 8380
12.9								8407
13.2	8.5							8413
13.2								8415
15	8.5	13.9						12.3 8432
								8458

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Bs 2 ^h -7 ⁵⁰		1-8.8 ² 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-13.0 2-13.4 3-13.8 4-14.2 5-14.6	1-8.9 2-9.3 3-9.7	1-12.3 2-12.9 3-13.2 4-13.6	5-13.9 6-14.5 7-15.0 8-15.5	1-11.2 2-11.7 3-12.0 4-12.4 5-12.8 6-13.2
8028		8028	66	116	111	136	3	4	9
8540	9349	13.5	bt	10.0	<14.0	9.6	13.1	no	no
9113	9508	11	—	10.1	—	9.0	12	no	11.5
9164	28	13.3	bt	10.1	<14.4	8.7	13.0	14.0	11.5
9232	77	13.5	bt	10.8	<15.2	9.6	13.8	no	13.6
9246	9585285	13.5	bt	10.1	<15.0	9.6	13.7	no	13.3
9250	86	13.5	bt	9.8	<15.0	9.4	13.8	no	13.7
9253	87	13.5	bt	9.8	no	9.2	13.7	no	13.6
9302	9617302	12.5	—	10.1	—	9.6			
9336	41	13.5	bt	10.1	<14.4	9.3	13.7	13.5	14.7
9393	961273	13.4	bt	9.8	<14.4	9.8	13.3	no	<14.9
9514	9743	11	—	9.9	—	9.4			
9781	9819	13.0	bt	10.1	<14.0	9.7	13.0	no	14.7
9911	54	13.0	bt	10.0	<15.2	9.5	13.22	no	11.5
9974	70	12.2	bt	9.8	—	9.8	13.5	no	11.5
10015	81	13.7	bt	9.5	<13.8	9.9	13.5	no	11.5
10022	97	13.6	bt	10.1	<14.0	9.7	13.8	no	11.5
10047	9912	13.4	bt	10.1	<14.0	9.5	14.1	no	12.3
3 ^h -6 ⁰⁰									
23	5563.477	9.7	bt	9.6	no	9.8			
69	93.428	11	bt	9.8	<14.0	9.8			
97	5613.362	11	bt	9.9	no	9.8			
163	55.287	—	—	9.9	—	9.9-10.0			
511	5839.608	11	bt	11.1	—	9.9			
572	86.436	10.6	—	10.0±	—	9.6			
603	93.498	no	bt	10.0	—	9.8			
632	5916.383	8.5	bt	10.1	—	9.7			
661	39.358	11	bt	10.5	—	9.6			
740	94.302	8.7	bt	9.9	—	9.7			
768	6007.285	11	bt	10.0	—	9.5			
1159	6181.606	11	bt	9.6	—	9.7-6			
10179	1161109470	12.0	12.8	10.1	no	9.5	13.6	12.5	13.6

1-13.0 2-13.4 3-13.6 4-13.9	44.190	1-13.0 2-13.4 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.9	1-11.8 5-13.4 2-12.1 6-13.9 3-12.6 7-14.7 4-12.9 8-15.1	
5	20.5	16	40	14.4	427	434	444	2
13.2								8540
13.5	8.5							9113
13.5	8.6	13.3	—	14.5I	14.5-6		11.6	9164
13.1	—	—						9232
13.2	8.6	13.4-5	15.2	14.1	14.2I	14.6I	14.2+ 14.8	9246
12.9	—	—						9250
12.8	—	—						9253
13.0F	8.5	12.7	15.2	14.1	14.0	14.6I	13.8± 14.0	9302
13.4.5	8.4	13.5	15.2	13.0I	14.0	no pt	is this 14.27 13.2	9386
								9393
13.1	8.6	13.8	15.2	13.2	13.8I	—	no 12.3	9514
13.1F								9781
13.7								9911
13.1	10019 10011-40 8.6	9945	15.2	13.1	14.2-3	14.2I	+	9974
13.3	10137 11/8 8.7	9952	15.2	14.5	14.2	no pt	no	10015
→ 8.4		13.7I	15.6	13.5	14.4	14.7	14.6I	14.0I 10022
8.5		13.1						10047
8.6		13.3	15.8	13.5-4	14.7-8	14.0I	14.1	no 10937
8.5		13.7	15.6	13.4	13.6	14.6	13.4	both 10724-5, 1941
8.5		13.2-3						163
8.4		13.4	15.2	13.5	—			511
8.5		13.7	15.6	13.5	14.0	14.2	13.3-2I	572
8.6		13.4	15.2	13.5	14.2-3	14.2	13.7-2 both	603
8.5		13.6	15.2	13.7	14.7	14.7	14.5I	632
8.6-7		13.7					no	661
8.6		13.6	15.2	14.1	14.0	14.4	12.0	740
8.6		13.32	15.2	13.0	13.6	13.9		124 768
								1159

194

		1-8.82 2-10.0 3-10.8 4-11.6 5-12.5 6-13.2	1-12.2 2-12.7 3-13.1 4-13.5 5-13.9	1-9.2 2-10.3 3-11.0 4-11.8	1-13.0 2-13.4 3-13.8 4-14.2 5-14.6 6-15.0	1-8.9 2-9.3 3-9.7	1-12.3 2-12.9 3-13.2 4-13.6	5-13.9 6-14.5 7-15.0 8-15.5	1-11.2 2-11.7 3-12.2 4-12.6 5-13.0 6-13.4
Bs 2 ^h -75 ^o		8.028	6.6	10.16	10.11	6.36	3	4	9
1205	6190.580	—	—	10.1	—	9.8			
1271	6223.617	no	bs	9.5	—	9.9			
1307	42.520	10.6	bs	10.0	—	9.8			
1362	70	no	—	9.9	—	9.9			
1388	6303	no	—	10.1	—	9.8			
1433	6355.284	no	—	10.1	—	10.0			
1434	59.289	no	—	10.1	—	9.9			
2041	6570.606	no	—	10.2	—	9.8			
2074	76.536	no	—	10.1	—	10.2			
2332	6684.412	no	—	9.8	—	9.0			
3300	6927.612	no	—	9.8	—	9.9			
3575	89.444	—	—	10.1	—	9.6			
3592	97.476	—	—	10.1	—	9.7			
3688	7033.314	—	—	10.5	—	9.4			
3799	61.334	—	—	10.62	—	10.1			
3805	65.321	—	—	11.2	—	9.5			
3913	70.322	—	—	11.6	—	9.7			
4541	7301.556	—	—	10.1	—	9.7			
4846	7474.286	12.02	bs	10.0	13.5	10.1			
5590	7681.557	—	—	11.5	—	9.6			
5712	7718.439	no	—	11.4	—	9.9			
5807	75.424	11.9	—	10.1	—	9.4			
6973	8391.623	9.0	bs	10.1	14.4	9.8			
7155	8467.560	9.5	bs	10.0	—	9.9			
7170	9505.353	9.1	—	10.1	—	9.9			
7195	21.387	9.0	bs	10.1	—	9.8			
7545	8761.620	no	bs	10.5	—	9.9			
8885	9440.616	12.8	bs	10.5	14.0	9.5			
9029	82	no	bs	10.1	—	10.2			
9090	25.01	—	—	10.1	—	9.9			

1-13.0 2-13.4 3-13.6 4-13.9	1-13.0 2-13.4 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.9	1-11.8 2-12.1 3-12.6 4-12.9	5-13.4 6-13.9 7-14.1 8-15.1	
5	44.1901	16	410	1111	127	134	144	12
8.5	—	—	—	—	—	—	—	1205
8.4	13.1	13.1	13.1	14.2	14.9±	13.4	13.4	1307
8.4	13.3	15.2	13.1	14.2	14.9±	13.4	13.4	62
8.6	—	—	13.5	—	—	12.9	12.2	88
8.6	13.3-4	15.2	13.7±	14.0±	—	—	12.5	1433
8.5	—	15.2	13.5	—	—	—	—	31
8.4	—	—	—	—	—	—	—	2041
8.3	13.0	—	—	—	—	—	11.4	74
8.5	—	14.6	—	—	—	—	—	2332
8.5	13.1	15.2	13.0	—	—	—	—	3300
8.4	12.9	—	—	—	—	—	—	421
8.5	—	—	—	—	—	—	—	3575
8.5	—	—	—	—	—	—	12.1	92
8.4	—	—	—	—	—	—	12.1	3688
8.4-3	—	—	—	—	—	—	12.1	3799
8.3-2	—	—	—	—	—	—	12.6	3805
8.3	—	—	—	—	—	—	12.6	13
8.4	—	—	—	—	—	—	12.9	4541
8.5	13.9	15.2	13.4	14.6	14.4±	14.2	13.2	4846
8.5	13.6	15.2	13.4-5	14.2	14.6	—	11.5	5590
8.4	13.9	15.2	13.8-9	13.8	14.2	—	12.4	5712
8.5	13.1	15.2	13.5	14.2	13.4	15	—	5807
8.4	13.5	15.2	13.1	14.2	14.2	13.7	13.6	6496
8.6	13.8	15.4	13.7	14.6	13.8	11.4	11.4	7155
8.6	—	14.6	—	—	—	12.4	12.4	70
8.5	13.8	15.6	13.9	14.7	14.6	13.7	13.1	7195
8.5	13.8	15.2	13.5	14.5	14.5	14.6	12.4	7545
8.5	13.9	15.6	13.5	14.6	14.7	13.7	13.7	8375
8.5	13.4	15.2	14.6	14.2	14.6	13.7	13.7	9029
8.4	—	15.2	14.3	—	—	—	12.4	90

194

1-8.82
2-10.0
3-10.8
4-11.6
5-12.5
6-13.2

1-12.2
2-12.7
3-13.1
4-13.1
5-13.9

1-9.2
2-10.3
3-11.0
4-11.8

1-13.0
2-13.4
3-13.8
4-14.0
5-14.2
6-14.5

1-8.9
2-9.3
3-9.7

1-12.3
2-12.9
3-13.2
4-13.6

5-13.9
6-14.3
7-15.0
8-15.5

1-16.2
2-16.7
3-17.0
4-17.4
5-17.9
6-18.4

Bs 2^h-75^o

8028

u6

u16

u11

u36

3

4

9

9186 9553 13.4 b8 10.1 <14.4 10.3

9473 9870 12.0 b8 9.5 <14.0 9.5

10044 9912 - - 9.5-6 - 9.4

4^h-60

2287 6662.461 - - 10.1 - 9.8

2392 6714.376 - b8 10.1 - 10.1

2427 24.354 - - 9.5 - 10.2

2503 70.267 - - 9.9 - 9.5

3557 6978.497 - - 10.1 - 9.5

3563 80.505 - - 10.1 - 9.2

3689 7033.461 - - 10.8 - 9.8

3880 92.290 - - 10.5 - 9.8

3900 7100.291 - - 10.1 - 9.7

4639 7339.557 - - 9.5 - 9.6

4926 7518.253 13.4 b8 10.1 <14.0 9.6

5650 7694.561 u8 b8 11.3 <13.8 9.2

5773 7750.456 9.0 b8 10.5 <13.8 9.8

5854 7807.423 11.1 b8 10.1 <13.8 10.0

6569 804.306 13.3 b8 11.2 <14.4 9.7

7249 8600.274 13.4 b8 9.9 <14.0 9.8

7642 8846.438 11.5 b8 11.7 <13.8 10.1

8246 9158.483 13.5 b8 9.9 <14.2 9.8

8372 9220.450 9.8-7 b8 10.1 <14.8 9.8

8668 9389.209 u8 b8 10.8 <13.8 9.6

8968 9464 13.5 b8 10.1 <14.4 9.7

9274 9598.391 u8 b8 9.9 - 9.2

10028 9903 u8 b8 9.5 <14.0 9.8

10073 9923 u8 - 9.4 - 9.6

10097 9926 u8 - 9.8 - 9.6

10176 9969 - - 10.0 9.4

1-13.0
2-13.4
3-13.6
4-13.9

5

44,190

802.8

8.5

8.5

8.5

1-13.0
2-13.4
3-13.7
4-14.0

16

13.3

12.9

15

1-14.1
2-14.6
3-15.2
4-15.6

410

15.6

15.6

15.2

1-12.8
2-13.7
3-14.3

1111

14.78

13.5

13.0

1-13.8
2-14.4

127

14.51

14.1-0

-

1-13.3
2-13.6
3-14.4
4-14.7

134

14.6

13.6

-

1-11.8 5-13.4
2-12.1 6-13.9
3-12.6 7-14.1
4-12.9 8-15.1

144

13.6

13.62

sum 15?

12

12.2 9186

13.5 9973

10044

100 2287

100 2392

2427

2503

100 3557

412.9 63

412.9 3689

38.80

12.3 3900

412.9 4639

13.9 4926

12.1 5650

13.6 5773

5854

12.3 6569

13.6 7249

14.1 7642

13.6 8246

13.6 8372

13.6 8668

14.4 8968

13.2 9274

15.2 10028

14.9 10965

12.1 10073

100 10097

100 10176

8.5

8.5

8.5

13.8

13.8

15.2

15.2

14.0

13.5

14.2

14.6

13.8

14.4

13.5

13.42

194

1-8.82
2-10.0
3-10.8
4-11.6
5-12.5
6-13.2
8-028

1-12.2
2-12.7
3-13.1
4-13.5
5-13.9
6-14.3

1-9.2
2-10.3
3-11.0
4-11.8
5-12.2
6-12.6

1-13.0
2-13.4
3-13.8
4-14.2
5-14.6
6-15.0

1-8.9
2-9.3
3-9.7
4-10.1
5-10.5
6-10.9

1-12.3
2-12.9
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4-13.6
5-14.0
6-14.4

5-13.9
6-14.3
7-14.7
8-15.1
9-15.5
10-15.9

1-11.2
2-11.7
3-12.2
4-12.7
5-13.2
6-13.7
7-14.2
8-14.7
9-15.2
10-15.7

Rs 2^h-7⁵⁰
5^h-7⁵⁰

1013 4254

2083 5209

2162 5287

2233 5328

3315 7698

3679 8850

13.4

13.4

13.4

13.4

13.4

9.8

11.6

10.1

10.8

10.1

11.3

9.6

9.7

10.0

9.6

9.6

10.0

RBs at 6^h-

121 5621 11.0

150 50 9.0

217 5700 13.4

256 11 10.2

554 5867 13.4

639 5917 9.5

669 44 13.4

699 59 10.0

707 5967 13.4

736 86 13.4

744 97 9.0

769 6007 13.3

798 28 13.5

828 37 13.4

867 63 13.5

909 6086 9.2

1266 6214 9.0

1332 6250 12.0

1363 70 13.2

1398 6312 9.2

2116 6593 9.1

1-13.0 2-13.4 3-13.6 4-13.9	44,190	1-13.9 2-13.4 3-13.7 4-14.0	1-14.1 2-14.6 3-15.2 4-15.6	1-12.8 2-13.7 3-14.3	1-13.8 2-14.4	1-13.3 2-13.6 3-14.4 4-14.9	1-11.8 5-13.4 2-12.1 6-13.9 3-12.6 7-14.7 4-12.9 8-15.1
5	8028	16	410	1111	127	134	144 152
2245-6629	13.4						
2246 6629	no						
2353 90	13.5						
2498 6769	13.5						
2592 6806	13.4						
3238 6914	13.4						
3635 7011	8.0						
3734 46	no						
4083 7190	13.5						
4937 7523	13.4						
5015 46	13.5						
5749 7729	13.5						
5847 7801	13.6						
6518 8125	13.4						
6541 54	8.2	10.1±	no				
7136 8455	13.9	10.1	no				
7204 8525	8.0	10.1	no				
7229 8576	13.3						
7240 94	13.5						
7315 8639	13.5						
7543 8759	9.5						
7673 8878	13.4						
7876 9014	10.3						
7900 18	13.5						
8298 9188	13.5-6						
8403 9246	13.4						
8548 9360	9.0						
8594 74	13.4						
9287 9601	13.4						
9311 9627	13.4						

9361 9666 13,5-b

9460 9728 13,0+

9964 9864 9.0-1

6ⁿ - 60⁰
180 Feb 26 1929 5669

ft bt no

		1-11.4 2-12.0	1-12.8 2-13.4 3-14.1	1-12.4 2-13.0	1-8.2 2-9.0	1-13.9 2-14.4 3-14.8	1-10.0 2-10.4 3-11.7
3 ^h - 60 ^o		V29	V30	V11#H	V HoR	V47	X HoR
23	5563	11.2	13.0	12.4	8.7-8	14.5	11.5
69	93						
97	5613	12.3-4	13.2	12.5	8.0	14.5	11.4
163	55	12.5-	13.3	12.2	8.8	14.1	11.4-5
511	5839						
572	86	12.4	13.2	12.6	8.8	—	11.7±
603	93	12.6	13.6	12.6	8.4	14.1	11.4
632	5916	11.6	13.9	12.8	8.4	14.1	11.2
661	39	11.2	13.2	12.4	8.8	13.9-14.0	11.5
740	94						
768	6007	11.2	13.0	12.0-1	8.4	14.6	10.7
1159	6181	11.2	12.5	12.5-6	8.5	14.2	10.5
1205	90	6.8			8.4		11.5-6
71	6223						
1307	42	11.6	13.6	12.1	8.7	14.2	10.8
62	70	11.2	—	12.8	8.7	14.2	11.3
88	6303	12.3	13.1	12.1	8.7	14.1	10.7
1433	55	12.2	—	12.6	8.6	—	11.4
84	59						
2041	6570						
74	76	11.8	—	12.2	8.4-5	—	10.7
2332	6684	11.2	13.3	12.1	8.0	—	12.0
3300	6927						
3575	89	12.07	—	12.2	8.4		12.0
92	97	11.8	12.8	12.2	8.5		11.4
3688	7033	12.3		12.6	8.7	—	11.6
3799	61				8.7		11.4
3805	65	12.3		12.8	8.7		10.7
13	70	12.3		12.2	8.9		11.4
4541	7301	11.8		12.7	8.7		11.5

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4846	7474	12.2	13.2	12.7	8.7	14.6	11.4
5590	7681	11.6	13.2	12.10	8.8-7	14.5	11.12
5712	7718	12.2	13.6	12.8	8.7	14.3	11.5
5807	75	11.8	13.6	12.2	8.4	14.5	11.4
6496	⁶⁴⁵²²⁹ 138	—	—	—	8.7-8	14.7	11.8±
6973	8391	11.0-1	13.1	12.5-6	9.2	13.7	11.5
7155	8467	11.7	13.3±	12.4	8.8	14.1	11.0±
70	8505	12.2	13.6±	12.5	8.3±	—	11.1-2
7195	21	11.6	13.2	12.2	8.8	14.7	11.4
7545	8761	11.6	13.2	12.6	8.8	14.2	10.7
7885	9440	11.8	13.1	12.3	8.9	14.5	11.4-5
9029	82	11.2	13.2	12.6	8.5	14.7	12.0
90	9501	11.2	13.3-2	12.2-1	8.4	—	12.0
9186	53	11.2	13.7	12.6	8.6	14.1	11.5
9973	9870	11.8	13.0	12.1	8.8	14.5	11.4
10044	9912	11.8	13.6	12.2	8.4	14.2	10.7
73	23	11.6	13.6	12.2	8.4	14.2	10.7
97	26	11.8	13.2	12.6	8.7	14.5	10.7
10176	69	11.2	13.6	12.2	8.4	14.1-2	11.4

4h30^m - 60⁰

2287	6662	11.2	13.5	12.4±			
2392	6714	11.4	13.1	12.4			
2427	24	11.5					
2503	70	11.8	12.8	12.2			
3557	6978	11.8	12.8	12.2			
63	80	12.2	13.1	12.2			
3689	7033	11.7	—	12.2			
3880	92	12.2	13.0	12.2			
3900	7190	11.2	13.0	12.2			
4639	7339	11.2	65	15			

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10.
109.

4926	7518	12.5	13.2	12.2
5650	7644	12.0	13.7	12.5
5773	7750	12.3	13.2	12.1
5854	7807	11.6	13.4	12.6
6569	8164	11.7	13.5	12.6
7249	8600	11.2	13.0	12.2
7642	8846	11.3	13.2	12.1
8246	9158	11.3	13.4	12.5
8372	9220	11.8	13.5	12.3
8668	9389	11.5	12.8	12.6
8968	9464	12.0	13.4	12.5
9274	9598	11.6	13.3	12.67
10028	9903	11.8	13.6	12.2
10120 ^{11/11/40}		11.8	—	12.2
10138 ^{11/8/40}		11.1	13.5	12.5
10965 ^{7/30/41}		11.6	13.7	12.6

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