

E.M.

Started July 31, 1966

020570

"Rite in the Rain"
WEATHERPROOF®

a product of

J. L. DARLING CORPORATION

TACOMA, WASHINGTON 98421 U.S.A.

L60 W					✓	✓
28 1/2	+3	+4	-10	-8	-7	-4
27 1/2	+4	+5	-14	-14	-10	-9
26 1/2	14	+6	-12	-12	-8	-11
25 1/2	+3	+5	-10	-8	-7	-3
24 1/2	-2	0	-8	-6	-10	-6
23 1/2	-6	-4	-6	-4	-12	-8
22 1/2	-7	-4	-6	-8	-13	-12
22 1/2	-6	-2	-6	-4	-12	-6
→ 20 1/2	-8	-5	-4	-4	-12	-9
19 1/2	-8	-4	-8	-6	-16	-10
19 1/2	-8	-4	-10	-6	-18	-10
18 1/2	-8	-4	-12	-8	-20	-12
17 1/2	-8	-4	-10	-6	-18	-10
→ 16 1/2	-9	-4	-12	-8	-21	-12
15 1/2	-12	-4	-6	-2	-18	-6
14 1/2	-12	-4	-10	-6	-24	-10
13 1/2	-14	-6	-6	-0	-20	-6
12 1/2	-16	-9	-10	0	-26	-9
10 1/2	-14	-10	-6	+2	-12	-8
10 1/2	-14	8	-6	0	-20	-8
8 1/2	-10	-5	-8	+2	-18	-7
8 1/2	-8	-4	-8	-4	-16	-8
7 1/2	-3	0	-6	-4	-9	-9
5 1/2	-6	-4	-2	0	-8	-4
5 1/2	-7	-5	0	0	-7	-5
4 1/2	-8	-6	0	+2	-8	-4
3 1/2	-8	-6	-2	0	-10	-6
2 1/2	-7	-4	0	-2	-7	-6
1 1/2	-7	-4	-4	-2	-11	-6
1/2	-6	-3	-4	-4	-10	-7

L 56 W					✓	✓
1/2	-18	-18	+6	+8	-24	-10
1 1/2	-20	-19	0	+6	-20	+13
2 1/2	-20	-18	+10	+10	-10	-8
3 1/2	-21	-19	+4	+8	-17	-11
4 1/2	-18	-17	+4	+6	-14	-11
5 1/2	-19	-17	+6	+8	-13	-9
6 1/2	-17	-16	+4	+6	-13	-10
7 1/2	-18	-17	+6	+6	-12	-11
8 1/2	-18	-17	+10	+12	-8	-5
9 1/2	-18	-16	+10	+10	-8	-6
10 1/2	-16	-16	+8	+6	-8	-10
11 1/2	-16	-14	+6	+8	-10	-6
12 1/2	-15	-14	+4	+8	-12	-6
13 1/2	-16	-15	+12	+10	-4	-5
14 1/2	-16	-15	+10	+8	-6	-7
15 1/2	-16	-15	+6	+8	-10	-7
16 1/2	-16	-15	+10	+10	-6	-5
17 1/2	-20	-19	+14	+12	-6	-7
18 1/2	-19	-17	+16	+14	-3	-3
19 1/2	-22	-20	+16	+18	-6	-2
20 1/2	-25	-25	+18	+20	-7	-5
21 1/2	-27	-24	+22	+24	-5	0
22 1/2	-36	-34	+20	+24	-16	-10
23 1/2	-36	-34	+28	+30	-8	-4
24 1/2	-38	-36	+26	+30	-12	-6
25 1/2	-40	-38	+18	+22	-22	-10
26 1/2	-42	-42	+26	+30	-16	-12
27 1/2	-40	-39	+24	+30	-16	-9
28 1/2	-38	-36	+28	+30	-10	-6
	-40	-40	+28	+30	-12	-10
	-40	-40	+34	+36	-16	-4

L52W						✓	✓
28 1/2	+6	-10	-32	-38	-26		-18
27 1/2	+12	+12	-28	-32	-16		-20
26 1/2	+6	+11	-24	-24	-18		-13
25 1/2	+6	+12	-20	-18	-14		-6
24 1/2	+10	+12	-20	-16	-10		-4
23 1/2	+5	+6	-12	-10	-7		-4
22 1/2	+2	+3	-8	-10	-6		-7
21 1/2	-4	0	-6	-6	-10		-6
20 5/8	-4	-4	-2	0	-6		-4
19 1/2	-14	-12	+6	+8	-8		-4
18 1/2	-10	-8	0	+2	-10		-6
17 1/2	-7	-6	-4	-2	-11		-6
16 1/2	0	+2	-10	-8	-10		-6
15 1/2	-6	-2	-6	-6	-12		-8
14 1/2	-10	-5	-6	-4	-16		-9
13 1/2	-12	-9	0	+2	-12		-7
12 1/2	-10	-6	-6	-2	-16		-8
11 1/2	-6	-2	-12	-8	-18		-10
10 1/2	-6	+2	-16	-12	-22		-1
9 1/2	-10	-6	-12	-6	-22		-12
8 1/2	-14	-12	-12	-8	-20		-20
7 1/2	-11	-9	-12	-6	-23		-15
6 1/2	0	-3	-4	0	-4		-3
5 1/2	-5	-6	-2	+4	-7		-2
4 1/2	-13	-10	+4	+4	-9		-6
3 1/2	-13	-10	+8	+8	-5		-2
2 1/2	-13	-10	+6	+6	-7		4
1 1/2	-13	-10	+8	+8	-5		-2
1/2	-8	-6	+4	+6	✓-4		0
E 1/2	-4	-4	+4	+2	0		-2
1/2	0	+2	-4	-2	-2		0
2 1/2	+4	+4	-8	-8	-4		-4

$3\frac{1}{2}$	+6	+4	-10	-8	-4	-4	-4
$4\frac{1}{2}$	+6	+4	-6	-4	0	0	
$5\frac{1}{2}$	+5	+6	-8	-10	-3	-4	
$6\frac{1}{2}$	+4	+5	-6	-8	-2	-3	
$7\frac{1}{2}$	0	0	-6	-4	-6	-4	
$8\frac{1}{2}$	-4	-4	0	+2	-4	-2	
$9\frac{1}{2}$	-10	-10	+8	+6	-2	-4	
$10\frac{1}{2}$	-16	-16	+10	+14	-6	-2	
$11\frac{1}{2}$	-26	-26	+26	+28	0	+2	
$12\frac{1}{2}$	-32	-31	+34	+34	+2	+3	
$13\frac{1}{2}$	-34	-36	+34	+36	0	0	
$14\frac{1}{2}$	-34	-34	+30	+32	-4	-2	
$15\frac{1}{2}$	-33	-31	+34	+36	+1	+5	
$16\frac{1}{2}$	-33	-33	+32	+30	-1	-3	
$17\frac{1}{2}$	-34	-34	+34	+36	0	+2	
$18\frac{1}{2}$	-30	-30	+30	+30	0	0	
$19\frac{1}{2}$	-21	-21	+26	+24	+5	+3	
$20\frac{1}{2}$	-22	-22	+26	+20	-2	-2	
$21\frac{1}{2}$	-25	-25	+22	+24	-3	-1	
$22\frac{1}{2}$	20	-20	+22	+26	+2	0	
$23\frac{1}{2}$	-	-	-	-	-	-	
$24\frac{1}{2}$	-14	-12	+14	+14	0	+4	
$25\frac{1}{2}$	-	-	-	-	-	-	
$26\frac{1}{2}$	-12	-12	-10	+10	-2	+2	
$27\frac{1}{2}$	-	-	-	-	-	-	
$28\frac{1}{2}$	-6	-6	+4	+6	-2	0	

L 56 E

28 1/2	-20	-16	-12	+14	-8	-2
27 1/2	-12	-12	+10	+12	-2	0
26 1/2	-	-	-	-	-	-
25 1/2	-9	-9	+6	+4	-3	-5
24 1/2	-	-	-	-	-	-
23 1/2	-3	-3	0	0	-3	-3
22 1/2	-	-	-	-	-	-
21 1/2	+2	+2	-6	-6	-4	-4
20 1/2	-	-	-	-	-	-
19 1/2	+7	+7	-8	-10	-1	-3
18 1/2	-	-	-	-	-	-
17 1/2	+6	+6	-6	-8	0	-2
16 1/2	-	-	-	-	-	-
15 1/2	+5	+5	-10	-10	-5	-5
14 1/2	-	-	-	-	-	-
→ 13 1/2	+8	+8	-10	-12	-2	-4
13 1/2	-	-	-	-	-	-
12 1/2	-2	0	-2	0	0	0
10 1/2	-	-	-	-	-	-
10 1/2	-22	-22	+24	+22	+1	0
8 1/2	-	-	-	-	-	-
8 1/2	-32	-32	+34	+32	+2	0
6 1/2	-34	-34	+34	+32	0	-2
6 1/2	-37	-38	+34	+34	-3	-4
5 1/2	-32	-32	+32	+30	0	-2
4 1/2	-31	-32	-34	+32	-3	0
3 1/2	-28	-28	+22	+28	-6	0
2 1/2	-26	-24	+22	+24	-4	0
1 1/2	-20	-19	+16	+18	-4	-1
1/4	18	16	+12	+16	-6	-10

note 2 stations 13

L 44 W

Aug 4

$1\frac{1}{2}$	-19	-19	+14	+14	✓ -5	✓ -5
$1\frac{1}{2}$	-19	-19	+18	+16	-1	-3
$2\frac{1}{2}$	-24	-24	+22	+22	-2	-2
$3\frac{1}{2}$	-28	-30	+28	+30	0	0
$4\frac{1}{2}$	-26	-26	+28	+26	+2	0
$5\frac{1}{2}$	-27	-26	+28	+26	+1	0
$6\frac{1}{2}$	-24	-22	+22	+20	-2	-2
$7\frac{1}{2}$	-24	-24	+18	+22	-6	-2
$8\frac{1}{2}$	-30	-22	+14	+16	-6	-6
$9\frac{1}{2}$	-21	-19	+20	+18	-1	-7
$10\frac{1}{2}$	-28	-25	+6	+10	-22	-15
$11\frac{1}{2}$	-26	-22	+8	+12	-16	-10
$12\frac{1}{2}$	-26	-25	+20	+16	-6	-9
$13\frac{1}{2}$	-26	-24	+16	+20	-10	-4
$14\frac{1}{2}$	-23	-23	+14	+20	-9	-3
$15\frac{1}{2}$	-21	-17	+14	+15	-7	-2
$16\frac{1}{2}$	-19	-18	+14	+18	-5	0
$17\frac{1}{2}$	-18	-17	+10	+14	-8	-3
$18\frac{1}{2}$	-19	-17	+12	+14	-7	-3
$19\frac{1}{2}$	-18	-18	+14	+16	-4	-2
$20\frac{1}{2}$	-22	+22	+16	+16	-6	-6
$21\frac{1}{2}$	-29	-27	+22	+24	-7	-3
$22\frac{1}{2}$	-33	-32	+26	+30	-7	-2
$23\frac{1}{2}$	-36	-38	+26	+30	-10	-3

24 1/2	-36	-33	+18	+24	-18	-9
25 1/2	-37	-32	+18	+30	-19	-2
26 1/2	-39	-30	+16	+26	-21	-4
27 1/2	-37	-38	+8	~+20	-29	-18
28 1/2	-32	-38	+8	~+20	-24	-18
L 48 W						
28 1/2	+8	+15	-44	-38	-36	-23
27 1/2	+12	+11	-32	-28	-20	-17
26 1/2	+8	+10	-22	-20	-14	-10
25 1/2	+4	+10	-18	-16	-14	-6
24 1/2	+6	+13	-20	-16	-14	-3
23 1/2	+8	+9	-12	-10	-4	-1
22 1/2	0	+4	-8	-6	-8	-2
21 1/2	-4	+2	-2	-0	-6	-2
20 1/2	-5	-2	-2	+4	-7	+2
19 1/2	-6	-3	-8	-4	-14	-7
18 1/2	-3	-2	-6	-2	-9	-4
17 1/2	-8	-6	0	0	-8	-6
16 1/2	-4	0	-8	-6	-12	-6
15 1/2	-6	0	-10	-6	-16	-6
14 1/2	-1	+5	-18	-14	-19	-9
12 1/2	-12	-6	-10	-6	-22	-12
12 1/2	-12	-6	-10	0	-22	-6
11 1/2	-13	-8	-14	-10	-27	-18
10 1/2	-8	-3	-14	-8	-32	-11
9 1/2	0	-4	-10	-6	-10	-10
8 1/2	-8	-4	-4	0	-12	-4
7 1/2	-8	-2	-6	-4	-14	-6
6 1/2	0	+4	+4	0	+4	+4
5 1/2	-5	-2	0	2	-5	-2
4 1/2	-8	-8	+6	+10	-2	+2

$3\frac{1}{2}$	-13	-12	+8	+6	-	-5	-6
$2\frac{1}{2}$	-5	-4	+4	+2	-	-1	-2
$1\frac{1}{2}$	-6	-6	+8	+4	-	+2	-2
$\frac{1}{2}$	-5	-5	+2	0	-	-3	-5
E $\frac{1}{2}$	-7	-7	+8	-6	-	+1	-1
$1\frac{1}{2}$	-3	-3	0	-2	-	-3	-5
$2\frac{1}{2}$	+4	+4	-8	-8	-	-4	-4
$3\frac{1}{2}$	+4	+4	-8	-6	-	-4	-2
$4\frac{1}{2}$	+3	+3	-2	-2	-	-3	+1
$5\frac{1}{2}$	+8	+6	-6	-6	-	+2	0
$6\frac{1}{2}$	-	-	-	-	-	0	0
$7\frac{1}{2}$	-16	-18	+16	+18	-	0	0
$8\frac{1}{2}$	-	-	-	-	-	-	-
$9\frac{1}{2}$	-24	-26	+20	+24	-	-4	-2
$10\frac{1}{2}$	-	-	-	-	-	-	-
$11\frac{1}{2}$	-33	-33	+34	+34	-	+1	+1
$12\frac{1}{2}$	-	-	-	-	-	-	-
$13\frac{1}{2}$	-36	-36	+36	+38	-	0	+2
$14\frac{1}{2}$	-	-	-	-	-	-	-
$15\frac{1}{2}$	-36	-36	+38	+40	-	+2	+4
$16\frac{1}{2}$	-36	-34	+36	+36	-	0	+2
$17\frac{1}{2}$	-	-	-	-	-	-	-
$18\frac{1}{2}$	-32	-30	+30	+30	-	-2	0
$19\frac{1}{2}$	-	-	-	-	-	-	-
$20\frac{1}{2}$	-24	-25	+20	+24	-	-1	-1
$21\frac{1}{2}$	-	-	-	-	-	-	-

22½	-18	-20	+16	+18	-2	-2
23½	-	-	-	-	-	-
24½	-8	-7	+8	+10	0	-3
25½	+2	+2	-4	-2	-2	0
26½	+4	+4	-6	-8	-2	-6
27½	-	-	-	-	-	-
28½	0	0	-2	-4	-2	-4

L44E

28½	-26	-24	+26	+24	0	0
27½	-	-	-	-	-	-
26½	-30	+32	+30	+32	0	0
25½	-	-	-	-	-	-
24½	-30	-31	+30	+30	0	-1
23½	-	-	-	-	-	-
22½	-16	-16	+16	+16	0	0
21½	-	-	-	-	-	-
20½	0	0	0	-4	0	-4
19½	-	-	-	-	-	-
18½	+9	+9	-10	-12	-1	-3
17½	-	-	-	-	-	-
16½	+14	+14	-18	-18	-4	-4
15½	-	-	-	-	-	-
14½	+16	+16	-16	-18	0	-2
13½	-	-	-	-	-	-
12½	+14	+14	-15	-18	-1	-4
11½	-	-	-	-	-	-
10½	+10	+10	-12	-10	-2	0
9½	-	-	-	-	-	-
8½	+14	+14	-14	-16	0	-2
7½	-	-	-	-	-	-
6½	+7	+8	-8	-10	-1	-2
5½	-	-	-	-	-	-

4 1/2	- 8	- 9	+ 6	+ 4	- 3	- 5
3 1/2	-	-	-	-	-	-
2 1/2	- 17	- 19	+ 18	+ 20	+ 1	+ 1
1 1/2	-	-	-	-	-	-
1/2	- 20	- 20	+ 18	+ 16	- 2	- 4

L 40 W

1 1/2	- 39	- 38	+ 36	+ 38	- 3	0
1 1/2	- 42	- 41	+ 42	+ 44	0	+ 3
2 1/2	- 44	- 44	+ 40	+ 44	- 4	0
3 1/2	- 38	- 38	+ 36	+ 36	- 2	- 2
4 1/2	- 33	- 31	+ 28	+ 30	- 5	- 1
5 1/2	- 26	- 27	+ 26	+ 28	0	+ 1
6 1/2	- 29	- 27	+ 22	+ 24	- 7	- 3
7 1/2	- 27	- 26	+ 26	+ 24	- 1	- 2
8 1/2	- 27	- 24	+ 20	+ 22	- 9	- 2
9 1/2	- 30	- 27	+ 22	+ 24	- 8	- 3
10 1/2	- 27	- 25	+ 18	+ 15	- 9	- 10
11 1/2	- 22	- 22	+ 15	+ 20	- 7	- 2
12 1/2	- 22	- 22	+ 16	+ 20	- 6	- 2
13 1/2	- 26	+ 24	+ 18	+ 22	- 8	- 2
14 1/2	- 22	- 21	+ 14	+ 16	- 8	- 5
15 1/2	- 20	- 16	+ 14	+ 14	- 6	- 2
16 1/2	- 17	- 14	+ 10	+ 12	- 7	- 2
17 1/2	- 17	- 14	+ 10	+ 12	- 7	- 2
18 1/2	- 17	- 14	+ 10	+ 10	- 7	- 4

19 1/2	-19	-16	+12	+10	-7	-6
20 1/2	-24	-18	+14	+16	-10	-2
21 1/2	-27	-25	+16	+20	-11	-5
22 1/2	-35	-29	+18	+22	-17	-7
23 1/2	-38	-33	+20	+26	-18	-7
24 1/2	-38	-35	+20	+26	-18	-9
25 1/2	-40	-33	+26	+30	-14	-3
26 1/2	-30	-36	+14	+20	-16	-16
27 1/2	-34	-34	+14	+20	-20	-16
28 1/2	-35	-35	+16	+22	-19	-13

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diff. L.O. ✓

28 1/2	+2	+8	-26	-22	-24	-14
27 1/2	+0	+6	-22	-16	-22	-10
26 1/2	-8	0	-20	-16	-28	-16
25 1/2	-2	+6	-18	-14	-20	-8
24 1/2	+2	+5	-22	-16	-20	-11
23 1/2	+2	+4	-16	-10	-14	-6
22 1/2	+2	+8	-16	-12	-14	-4
20 1/2	-2	+6	-8	-6	-10	0
20 1/2	0	+5	-14	-10	-4	-5
19 1/2	-2	+4	-16	-12	-18	-8
18 1/2	0	+8	-20	-18	-20	-10
17 1/2	-7	+7	-22	-16	-29	-9
16 1/2	-7	+3	-28	-22	-35	-19
15 1/2	-2	+5	-30	-24	-32	-19
14 1/2	+2	+5	-28	-22	-30	-17
13 1/2	+2	+7	-26	-22	-24	-15
12 1/2	+4	+10	-28	-24	-24	-14
11 1/2	+12	+14	-30	-26	-18	-12
10 1/2	+16	+20	-31	-26	-15	-6
9 1/2	+10	+17	-28	-28	-20	-11
8 1/2	+16	+19	-20	-26	-14	-7

$7\frac{1}{2}$	+17	+19	-24	-20	-7	-1
$6\frac{1}{2}$	+7	+10	-12	-16	-5	-6
$5\frac{1}{2}$	+4	+5	-4	-6	0	-1
$4\frac{1}{2}$	-4	-2	+2	0	-2	-2
$3\frac{1}{2}$	-	-	-	-	-	-
$2\frac{1}{2}$	-12	-12	+10	+10	-2	-2
$1\frac{1}{2}$	-	-	-	-	-	-
$\frac{1}{2}$	-18	-18	+20	+18	+2	0

L40 E

Aug 5

$\frac{1}{2}$	-16	-14	+11	+12	-5	-2
$1\frac{1}{2}$	-	-	-	-	-	-
$2\frac{1}{2}$	-7	-5	+2	+4	+7	-1
$3\frac{1}{2}$	-	-	-	-	-	-
$4\frac{1}{2}$	-22	-22	+22	+22	0	0
$5\frac{1}{2}$	-	-	-	-	-	-
$6\frac{1}{2}$	-28	-24	+24	+24	+4	-5
$7\frac{1}{2}$	-	-	-	-	-	-
$8\frac{1}{2}$	-28	-30	+30	+32	+2	+2
$9\frac{1}{2}$	-	-	-	-	-	-
$10\frac{1}{2}$	-28	-30	+28	+30	0	0
$11\frac{1}{2}$	-	-	-	-	-	-
$12\frac{1}{2}$	-25	-24	+26	+28	+1	+4
$13\frac{1}{2}$	-	-	-	-	-	-
$14\frac{1}{2}$	-26	-26	+26	+28	0	+2
$15\frac{1}{2}$	-35	-34	32	+34	0	0

16 1/2	-35	-35	+38	+36	+3	+1
17 1/2	-	-	-	-	-	-
18 1/2	-36	-36	+36	+36	0	0
19 1/2	-	-	-	-	-	-
20 1/2	-20	-20	+20	+18	0	-2
21 1/2	-	-	-	-	-	-
22 1/2	+2	+2	-2	-4	0	-2
23 1/2	-	-	-	-	-	-
24 1/2	+22	+22	-24	-24	-2	-2
25 1/2	-	-	-	-	-	-
26 1/2	+16	+16	-18	-18	-2	-2
27 1/2	-	-	-	-	-	-
28 1/2	+12	+12	-13	-12	-1	0

L32 E

28 1/2

27 1/2

26 1/2

25 1/2	-30	-32	+30	+28	0	-4
24 1/2	-36	-37	+30	+32	-6	-5
23 1/2	+40	+42	40	+42	0	0
22 1/2	-	-	-	-	-	-
21 1/2	-46	-45	+47	+48	+1	+3
20 1/2	-	-	-	-	-	-
19 1/2	-40	-40	+36	+36	-4	-4
18 1/2	-	-	-	-	-	-
17 1/2	-20	-20	+19	+20	-1	0
16 1/2	-	-	-	-	-	-
15 1/2	-13	-14	+13	+12	0	-2
14 1/2	-	-	-	-	-	-
13 1/2	-2	-2	0	-1	-2	-3
12 1/2	-	-	-	-	-	-
11 1/2	+12	+12	+15	+16	-3	-4

10½	-	-	-	-	-	-
9½	+5	+6	-7	-8	-2	-2
8½	-	-	-	-	-	-
7½	+4	+4	-6	-8	-2	-4
6½	-	-	-	-	-	-
5½	+1	+2	-3	-5	-2	-3
4½	-	-	-	-	-	-
3½	-5	-5	+3	+2	-4	-3
2½	-	-	-	-	-	-
1½	-3	-4	+2	+4	-1	0
½	-	-	-	-	-	-

L 24 W

½	-10	-10	+8	+9	-2	-1
1½	-	-	-	-	-	-
2½	-9	-9	+9	+11	0	+2
3½	-	-	-	-	-	-
4½	-3	-2	+2	0	-1	-2
5½	-	-	-	-	-	-
6½	-7	-8	+4	+6	-3	-4
7½	-	-	-	-	-	-
8½	-12	-14	+10	+10	-2	-4
9½	-	-	-	-	-	-
10½	-20	-20	+18	+20	-2	0
11½	-	-	-	-	-	-
12½	-26	-24	+22	+20	-4	-4

	-28	-23	+18	+20	-10	-3
13 1/2	-34	-25	+17	+20	-17	-5
14 1/2	-36	-34	+18	+22	-18	-12
15 1/2	-30	-30	+8	+12	-22	-18
LN 16 1/2	-30	-34	+5	+10	-25	-14
17 1/2	-30	-37	+5	+10	-25	-27
18 1/2	-36	-44	+10	+18	-26	26
19 1/2	-42	-48	+15	+22	-27	-26
20 1/2	-47	-52	+26	+32	-19	-20
21 1/2	-46	-47	+30	+36	-16	-9
22 1/2	-50	-50	+40	+46	-10	-4
23 1/2	-48	-48	+38	+44	-10	-4
24 1/2	-42	-42	+25	+30	-17	-12
25 1/2	-32	-27	+9	+16	-23	-11
26 1/2	-20	-14	-5	+4	-25	-10
27 1/2	-10	-3	-12	-6	-22	-6
28 1/2	-8	0	-16	-12	-24	-12
L 16 W	-30	-26	+16	+20	-14	-16
28 1/2	-28	-25	+14	+17	-14	-8
27 1/2	-14	-12	+4	+8	-10	-4
26 1/2	-4	+2	-8	-6	-12	-4
25 1/2	+6	+8	-16	-14	-10	-6
24 1/2	+7	+12	-25	-22	-18	-10
23 1/2	+2	+8	-22	-18	-20	-10
→ 22 1/2	-4	+2	-26	-15	-24	-14
21 1/2	-8	-4	-15	-12	-23	-16
20 1/2	-11	-5	-12	-8	-23	-13
19 1/2	-14	-6	-8	-4	-22	-10
18 1/2	-16	-11	-5	-3	-21	-14
17 1/2	-15	-10	-3	-2	-18	-12
16 1/2	-14	-8	-4	0	-18	-8
15 1/2	-9	-6	-9	+6	-18	-12
14 1/2	-8	-3	-10	-6	-18	-9

	13 1/2	-4	-2	-12	-7	-16	-7
	12 1/2	-2	+2	-6	-3	-8	-1
	11 1/2	What a fucked up line					
	10 1/2						
	9 1/2	0	0	-8	-6	-8	-6
	8 1/2	0	0	-2	0	-2	0
	7 1/2	0	0	-2	-4	-2	-4
	6 1/2	-	-	-	-	-	-
	5 1/2	+2	+3	-4	-6	-2	-7
	4 1/2	-	-	-	-	-	-
	3 1/2	-1	0	-5	-2	-6	-2
	2 1/2	-	-	-	-	-	-
	1 1/2	+6	+7	-7	-10	-1	-3
	1/2	-	-	-	-	-	-
	1/2	+12	+13	-12	-14	0	-1
E	1 1/2	-	-	-	-	-	-
	2 1/2	+14	+14	-14	-15	0	-1
	3 1/2	-	-	-	-	-	-
	4 1/2	+26	+26	-27	-27	-1	-1
	5 1/2	-	-	-	-	-	-
	6 1/2	+24	+24	-24	-26	0	-2
	7 1/2	-	-	-	-	-	-
	8 1/2	+24	+25	-24	-26	0	-1
	9 1/2	-	-	-	-	-	-
	10 1/2	+24	+25	-24	-24	0	+1
	11 1/2	-	-	-	-	-	-

12 1/2	+14	+15	-16	-16	-2	-1
13 1/2	-	-	+	+	-	-
14 1/2	+6	+6	-6	-7	0	-7
15 1/2	-	-	-	-	-	-
16 1/2	+6	+5	-8	-10	-2	-5
17 1/2	-	-	-	-	-	-
18 1/2	-6	-7	+2	+1	-4	-6
19 1/2	-	-	-	-	-	-
20 1/2	-13	-14	+13	+12	0	-2
21 1/2	-	-	-	-	-	-
22 1/2	-16	-15	+13	+14	-3	-1
23 1/2	-	-	-	-	-	-
24 1/2	-19	-19	+14	+16	-5	-3
25 1/2	-	-	-	-	-	-
26 1/2	-21	-19	+20	+19	-1	0
27 1/2	-	-	-	-	-	-
28 1/2	-12	-12	+13	+12	+1	0

L 24 E

28 1/2	+11	+12	-14	-15	-4	-3
27 1/2	-	-	-	-	-	-
26 1/2	-4	-3	0	0	-4	-3
25 1/2	-	-	-	-	-	-
24 1/2	-18	-18	+16	+18	-2	0
23 1/2	-	-	-	-	-	-
22 1/2	-30	-28	+27	+28	-3	0
21 1/2	-	-	-	-	-	-
20 1/2	-30	-30	-28	+30	-2	0
19 1/2	-	-	-	-	-	-
18 1/2	-30	-30	+30	+30	0	0
17 1/2	-	-	-	-	-	-
16 1/2	-30	-30	-26	+28	-4	-2

15 1/2	-	-	-	-	-	-
14 1/2	-34	-33	+34	+34	0	0
13 1/2	-	-	-	-	-	-
12 1/2	-38	-38	+37	+37	-1	+1
11 1/2	-	-	-	-	-	-
10 1/2	-48	-48	+46	+45	-2	-3
9 1/2	-	-	-	-	-	-
8 1/2	-48	-48	+45	+46	-3	-2
7 1/2	-	-	-	-	-	-
6 1/2	-33	-31	+31	+30	-2	-1
5 1/2	-	-	-	-	-	-
4 1/2	-2	0	0	-2	-2	-2
3 1/2	-	-	-	-	-	-
2 1/2	0	0	-2	-2	-2	-2
1 1/2	-6	-6	+4	+5	-2	-1
1/2	-	-	-	-	-	-
<u>aug 6</u>						
L 8W						
1/2	-11	-10	+12	+11	+1	+1
1 1/2	-	-	-	-	-	-
2 1/2	-13	-11	+10	+9	-3	-2
3 1/2	-	-	-	-	-	-
4 1/2	-15	-16	+15	+14	0	-2
5 1/2	-	-	-	-	-	-
6 1/2	-24	-25	+23	+24	-1	-1
7 1/2	-	-	-	-	-	-

7½	-	-	-	-		
8½	-21	-20	+19	+20	-3	0
9½	-	-	-	-		
10½	-15	-15	+15	+14	0	-1
11½	-	-	-	-		
12½	-25	-24	+24	+23	-1	-1
13½	-	-	-	-		
14½	-36	-35	+36	+35	0	0
15½	-	-	-	-		
16½	-34	-34	+33	+32	-1	-2
17½	-	-	-	-		
18½	-24	-25	+25	+24	+1	-1
19½	-	-	-	-		
20½	-25	-26	+26	+27	+1	+1
21½	-	-	-	-		
22½	-28	-26	+28	+28	0	+2
23½	-	-	-	-		
24½	-26	-26	+26	+27	0	+1
25½	-	-	-	-		
26½	-27	-26	+26	+26	+1	0
27½	-	-	-	-		
28½	-30	-31	+30	+32	0	+1

L8 E

28½	+10	+10	-14	-14	-4	-4
27½	-	-	-	-		
26½	+10	+10	-12	-14	-2	-4
25½	-	-	-	-		
24½	+11	+10	-12	-12	-1	-2
23½	-	-	-	-		
22½	+12	+12	-14	-13	-2	-1
21½	-	-	-	-		
20½	+7	+8	-11	-10	-4	-2

$19\frac{1}{2}$	-	-	-	-		
$18\frac{1}{2}$	-18	+9	-8	-10	0	-1
$17\frac{1}{2}$	-	-	-	-		
$16\frac{1}{2}$	+6	+6	-8	-6	-2	0
$15\frac{1}{2}$	-	-	-	-		
$14\frac{1}{2}$	0	-1	-2	-2	-2	-3
$13\frac{1}{2}$	-	-	-	-		
$12\frac{1}{2}$	-17	-16	+16	+18	1 +2	
$11\frac{1}{2}$	-	-	-	-		
$10\frac{1}{2}$	27	-26	26	20	-5	-6
$9\frac{1}{2}$	-	-	-	-		
$8\frac{1}{2}$	-28	-28	-30	-30	+2	+2
$7\frac{1}{2}$	-	-	-	-		
$6\frac{1}{2}$	-27	-27	+24	+24	-3	-3
$5\frac{1}{2}$	-	-	-	-		
$4\frac{1}{2}$	-27	-27	+24	+26	-3	-1
$3\frac{1}{2}$	-	-	-	-		
$2\frac{1}{2}$	-20	-20	+20	+23	0	+3
$1\frac{1}{2}$	-	-	-	-		
$\frac{1}{2}$	-15	-13	+13	+13	-2	0

8 1/2						
1 1/2	-8	-8	+5	15	-3	-3
2 1/2	-	-	-	-		
3 1/2	-8	-8	+6	+8	-2	0
4 1/2	-	-	-	-		
5 1/2	-9	-10	+4	+6	-5	-4
6 1/2	-	-	-	-		
7 1/2	-15	-15	+14	+16	-1	+1
8 1/2	-	-	-	-		
9 1/2	-22	-22	+22	+24	0	+2
10 1/2	-	-	-	-		
11 1/2	-34	-36	+34	+36	0	+4
12 1/2	-	-	-	-		
13 1/2	-41	-39	+38	+40	-3	+1
14 1/2	-	-	-	-		
15 1/2	-40	-40	+37	+37	-3	-3
16 1/2	-	-	-	-		
17 1/2	-25	-24	+24	+25	-1	+1
18 1/2	-	-	-	-		
19 1/2	+14	+16	-10	-14	+4	+2
20 1/2	-	-	-	-		
21 1/2	+26	+27	-29	-28	-3	-1
22 1/2	-	-	-	-		
23 1/2	+22	+24	-24	-25	-2	-1
24 1/2	-	-	-	-		
25 1/2	+20	+20	-22	-20	-2	0
26 1/2	-	-	-	-		
27 1/2	+20	+20	-18	-20	+2	0
28 1/2	-	-	-	-		
29 1/2	+13	+13	-15	-14	-2	-1
30 1/2	-	-	-	-		
31 1/2	+12	+12	-13	-14	-1	+2
32 1/2	-	-	-	-		

33½	+14	+14	-14	-16	0	-2
34½	-	-	-	-		
35½	+14	+14	-18	-16	-4	-2
36½	-	-	-	-		
37½	+4	+4	-9	-6	-5	-2
38½	-	-	-	-		
39½	-6	-7	+3	+4	-3	-3
40½	-	-	-	-		
41½	+6	+6	-7	-9	-1	-3
42½	-	-	-	-		
43½	-5	+5	-5	-5	0	0
44½	-	-	-	-		
45½	+1	+2	0	-3	+1	-1
46½	-	-	-	-		
47½	+10	+9	-13	-13	-3	-4
48½	-	-	-	-		
49½	+4	+5	-8	-9	-4	-4
50½	-16	-16	+15	+16	-1	0
51½						
52½	-33	-33	+25	+26	-8	-7
53½	-20	-19	+24	+23	+4	+4
54½	-16	-16	+18	+20	+2	+4
55½	-22	-24	+15	+17	-7	-7
56½	-18	-19	+19	+20	+1	+1
57½	-28	-26	+20	+22	-8	-6
58½	-20	-18	+16	+20	-4	+2
59½	-26	-28	+15	+18	-11	-10

	59 1/2	-23	-21	-11	+14	-12	-7
	60 1/2	-15	-13	+9	+7	-6	-6
	61 1/2	-14	-12	+6	+8	-8	-4
	62 1/2	-14	-13	0	+2	-14	-11
	63 1/2	-14	-14	+5	+6	-9	-8
	64 1/2	-16	-14	+6	+7	-10	-7
	65 1/2	-22	-18	+6	+9	-12	-9
	65 1/2	-22	-16	+4	+7	-18	-9
	67 1/2	-22	-16	+4	+6	-18	-10
	68 1/2	-20	-13	+2	+3	-18	-10
	69 1/2	-17	-11	-3	-0	-20	-11
	70 1/2	-12	-5	-10	-7	-20	-12
	71 1/2	-12	-5	-12	-8	-24	-13
LN	72 1/2	-7	-2	-15	-12	-23	-14
	73 1/2	-9	-2	-16	-12	-24	-14
	74 1/2	-8	0	-20	-17	-28	-17
	75 1/2	-8	-3	-18	-16	-26	-19
	76 1/2	-7	-2	-19	-16	-26	-18
	77 1/2	-7	-2	-22	-19	-29	-21
	78 1/2	-4	+6	-27	-24	-31	-18 1/2
	79 1/2	-5	+3	-27	-24	-32	-21
	80 1/2	-7	+1	-30	-27	-37	-26
CF	81 1/2	-10	-6	-22	-8	-32	-14
83	82 1/2	-26	-23	-6	-2	-32	-25
	83 1/2	-44	-42	+22	+26	-22	-16
	84 1/2	-56	-53	+43	+45	-13	-8
	85 1/2	-52	-50	+46	+48	-6	-2
	86 1/2	-51	-50	+50	+52	-1	-2
	87 1/2	-48	-48	+44	+46	-4	-2
	88 1/2						

L96E

1/2	+1	+3	-5	-4	-4	-1
1 1/2	+5	+6	-9	-8	-4	-2
2 1/2	-8	-10	-13	-11	-5	-1
3 1/2	+11	+13	-15	-13	-4	0
4 1/2	+13	+14	-20	-21	-7	-7
5 1/2	+18	+19	-22	-22	-4	-3
6 1/2	+14	+16	-22	-20	-8	-4
7 1/2	+13	+16	-23	-20	-10	-4
8 1/2	+12	+18	-30	-28	-18	-10
9 1/2	+14	+20	-31	-29	-17	-9
10 1/2	+10	+16	-27	-25	-17	-9
11 1/2	+6	+9	-23	-20	-17	-11
12 1/2	-6	+5	-16	-20	-22	-15
13 1/2	-4	+5	-19	-16	-23	-11
14 1/2	-1	+5	-16	-13	-17	-8
15 1/2	-2	+4	-14	-10	-16	-6
16 1/2	-4	+1	-12	-8	-16	-7
17 1/2	-2	+4	-10	-8	-12	-4
18 1/2	-4	+5	-14	-12	-18	-5
19 1/2	-2	+4	-16	-12	-18	-8
20 1/2	0	+5	-18	-14	-18	-19
21 1/2	+1	+3	-13	-7	-9	-6
22 1/2	+2	+4	-9	-7	-7	-3
23 1/2	+2	+3	-7	-5	-2	-2
24 1/2	+6	+7	-9	-8	-2	-1

25½	+6	-8	-11	-8	-5	-0
26½	+6	+5	-9	-7	-3	-2
27½	+4	+3	-6	-4	-2	-1
28½	+2	+4	-5	-4	-3	0

L56 W note there are 2 stations 28

30½	-44	-43	+32	+33	-8	-10
31½	-43	-42	+34	+35	-9	-7
32½	-39	-37	+30	+30	-9	-7
33½	-36	-36	+31	+32	-5	-4
34½	-40	-37	+35	+35	-5	-2
35½	-40	-40	+32	+36	-8	-4
36½	-40	-38	+36	+38	-4	0
37½	-40	-38	+34	+33	-6	-5
38½	-43	-42	+35	+36	-8	-6
39½	-48	-46	+42	+40	-4	-6
40½	-55	-55	+52	+50	-3	-5
41½	-56	-56	+50	+51	-6	-5
42½	-54	-54	+47	+46	-7	-8
43½	-52	-52	+46	+45	-6	-7
44½	-51	-51	+48	+46	-3	-5
45½	-46	-46	+40	+40	-6	-6
46½	-36	-38	+30	+32	-6	-6
47½	-26	-28	+20	+22	-8	-6
48½	-18	-16	+12	+13	-6	-3
49½	-10	-8	0	+2	-10	-6
50½	-4	-3	-2	-2	-6	-5
51½	+2	+4	-8	-6	-4	-2
52½	+2	+3	-10	-10	-7	-7
53½	+5	+6	-13	-11	-7	-5
54½	+7	+8	-15	-14	-8	-6
55½	+9	+10	-16	-15	-5	-5

56½	+8	+11	-15	-15	-7	-4
57½	+9	+10	-17	-15	-8	-5
58½	+8	+9	-19	-16	-10	-7
59½	+9	+10	-18	-17	-9	-7
60½	+9	+11	-20	-19	-11	-8
61½	+9	+12	-18	-19	-9	-6
62½	+11	+14	-19	-16	-7	-5
63½	+9	+13	-20	-17	-11	-4
64½	+11	+13	-20	-20	-9	-7
65½	+12	+14	-20	-18	-8	-4
66½	+13	+14	-18	-17	-5	-3
67½	+9	+12	-16	-14	-7	-2
68½	+8	+12	-15	-15	8	-5
69½	+11	+13	-16	-14	-5	-1
70½	+12	+13	-18	-16	-5	-3
71½	+7	+10	-16	-17	-9	-7
72½	+5	+6	-11	-10		
73½	-2	0	-4	-5	-6	-5
74½	-9	-6	+2	+3	-7	-3
75½	+15	-10	+4	+6	-11	-4
76½	-18	-16	+7	+10	-11	-6
77½	-21	-19	+14	+17	-7	-2
78½	-30	-29	+25	+27	-5	-2
79½	-32	-30	+22	+25	-10	-5
80½	-33	-31	+27	+30	-4	-1
81½	-36	-34	+27	+29	-9	-5

floor

HN

	82 1/2	-38	-38	+30	+32	-8	-6
	83 1/2	-38	-38	+35	+37	-3	-1
	84 1/2	-37	-38	+37	+39	-1	+1
	85 1/2	-41	-40	+39	+40	-3	0
	86 1/2	-39	-40	+40	+42	+1	+2
	87 1/2	-33	-34	+33	+36	0	+2
	88 1/2	-25	-24	+32	+20	-3	-4
	89 1/2	-16	-14	+13	-14	-3	0
	90 1/2	-12	-8	+6	+6	-6	-2
		-12	-8	+3	+5	-9	-3
	L 48 W	-9	-5	-2	0	-11	-5
	88 1/2	-8	-4	-8	-6	-16	-10
	87 1/2	-4	+2	-14	-7	-18	-5
	86 1/2	0	+4	-19	-17	-19	-13
	85 1/2	+5	+13	-25	-23	-20	-10
	84 1/2	+10	+14	-19	-26	-19	-12
	83 1/2	+15	+17	-27	-26	-12	-9
	82 1/2	+6	+10	-20	-20	-14	-10
	81 1/2	0	+3	-12	-10	-12	-7
	80 1/2	-4	0	-10	-8	-14	-8
	79 1/2	-3	-1	-4	-5	-7	-5
	78 1/2	-5	-3	-4	-2	-9	-5
	77 1/2	-7	-6	+1	+3	-6	-3
	76 1/2	-12	-11	+9	+10	-3	-1
	75 1/2	-16	-16	+15	+16	-1	0
	74 1/2	-22	-20	-19	+20	-3	0
	73 1/2	-24	-22	-23	+23	-1	+1
	72 1/2	-28	-27	-27	+28	-1	+1
	71 1/2	-33	-31	-33	-30	0	-1
	70 1/2	-40	-40	+35	+36	-5	-4
	69 1/2	-36	-37	+36	+36	0	-1
	68 1/2	-35	-35	+30	+32	-5	-3
	67 1/2	-35	-35	+23	+32	-3	-3

66%	-34	-34	+31	+32	-3	-2
65%	-38	-38	+34	+34	-4	-4
64%	-40	-41	+34	+36	-6	-5
63%	-45	-42	+39	+40	-6	-2
62%	-43	-41	+39	+40	-4	-1
61%	-41	-42	+38	+38	-3	-4
60%	-39	-38	+37	+36	-2	-2
59%	-37	-35	+34	+32	-3	-3
58%	-33	-30	+30	+30	-3	0
57%	-31	-30	-27	+26	-4	-4
56%	-31	-30	+25	+27	-6	-3
55%	-33	-33	+32	+31	-1	-2
54%	-32	-30	+29	+30	-3	0
53%	-31	-32	+28	+30	-3	-2
52%	-30	-30	+25	+26	-5	-4
51%	-25	-24	+21	+21	-4	-3
50%	-20	-18	+16	+17	-4	-1
49%	-18	-16	+14	+13	-4	-3
48%	-17	-14	+13	+11	-4	-3
47%	-14	-12	+8	+10	-6	-2
46%	-8	-6	+2	+3	-6	-3
45%	-2	0	-6	-4	-8	-4
44%	+3	+5	-7	-6	-4	-1
43%	+8	+13	-15	-16	-7	-3
42%	+20	+20	-22	-21	-2	-1
41%	-28	+28	-30	-29	-2	+1

hull
@ 46

40 1/2	= 24	- 26	- 30	- 32	- 6	- 6
39 1/2	+ 22	+ 24	- 30	- 28	- 6	- 4
38 1/2	+ 19	+ 22	- 25	- 24	- 6	- 2
37 1/2	+ 23	+ 24	- 26	- 26	- 3	- 1
36 1/2	+ 23	+ 22	- 27	- 28	- 4	- 6
35 1/2	+ 16	+ 20	- 24	- 22	- 8	- 2
34 1/2	- 16	- 12	- 26	- 24	- 16	- 12
33 1/2	+ 2	+ 6	- 22	- 19	- 16	- 13
32 1/2	- 2	+ 6	- 23	- 21	- 21	- 15
31 1/2	- 2	+ 7	- 24	- 27	- 31	- 20
30 1/2	0	+ 13	- 33	- 29	- 33	- 16
29 1/2	0	+ 15	- 35	- 30	- 35	- 15

L 64 W

29 1/2	- 30	- 30	+ 23	+ 24	- 7	- 6
30 1/2	- 32	- 29	+ 26	+ 25	- 6	- 4
31 1/2	- 37	- 33	+ 32	+ 30	- 5	- 3
32 1/2	- 38	- 33	+ 30	+ 28	- 6	- 5
33 1/2	- 38	- 32	+ 30	+ 29	- 8	- 3
34 1/2	- 34	- 30	+ 27	+ 28	- 7	- 2
35 1/2	- 42	- 30	+ 34	+ 34	- 8	- 4
36 1/2	- 42	- 38	+ 36	+ 35	- 6	- 3
37 1/2	- 44	- 42	+ 36	+ 35	- 8	- 7
38 1/2	- 44	- 42	+ 36	+ 34	- 8	- 8
39 1/2	- 46	- 42	+ 36	+ 38	- 10	- 4
40 1/2	- 49	- 46	+ 42	+ 40	- 7	- 6
41 1/2	- 52	- 46	+ 44	+ 44	- 8	- 2
42 1/2	- 53	- 52	+ 49	+ 47	- 4	- 5
43 1/2	- 53	- 53	+ 50	+ 50	- 3	- 3
44 1/2	- 50	- 50	+ 47	+ 46	- 3	- 4
45 1/2	- 34	- 33	+ 35	+ 36	+ 1	+ 5
46 1/2	- 21	- 21	+ 20	+ 20	- 1	- 1
47 1/2	- 14	- 14	+ 9	+ 10	- 5	- 4

48 1/2	-9	-8	-4	+6	-5	-2
49 1/2	-5	-4	0	0	-5	-4
50 1/2	+1	+3	-5	-4	-4	-1
51 1/2	0	+1	-4	-4	-4	-3
52 1/2	0	0	-5	-3	-5	-3
53 1/2	+2	+2	-6	-6	-4	-4
54 1/2	+4	+4	-9	-10	-5	-6
55 1/2	+9	+9	-10	-10	-1	-1
56 1/2	+8	+8	-12	-10	-4	-2
57 1/2	+6	+6	-7	-7	-1	-1
58 1/2	+5	+6	-7	-8	-2	-2
59 1/2	+5	+5	-9	-8	-4	-3
60 1/2	+6	+6	-9	-7	-3	-2
61 1/2	+3	+4	-7	-6	-4	-2
62 1/2	0	+2	-5	-4	-5	-2
63 1/2	0	+1	-3	-3	-3	-2
64 1/2	0	+2	-4	-2	-4	-0
65 1/2	+3	+3	-5	-5	-2	-2
66 1/2	+3	+4	-6	-6	-3	-2
67 1/2	0	+2	-6	-5	-6	-3
68 1/2	-2	-1	-2	-4	-4	-5
69 1/2	-4	-4	+3	+2	-1	-2
70 1/2	-	-	-	-		
71 1/2	-7	-5	+5	+6	-2	+1
72 1/2	-	-	-	-		
73 1/2	0	+1	-4	-4	-4	-4

81-	-24	27	21	18	14	12	11 1/2
-2	-10	46	47	8	-10	23 1/2	23 1/2
-4	-7	0	-1	-11	-6	24 1/2	24 1/2
-1	-2	0	+2	-1	-4	25 1/2	25 1/2
-1	-2	+5	+4	-2	-6	26 1/2	26 1/2
-4	-4	+5	+6	-9	-10	27 1/2	27 1/2
-3	-2	+6	+7	-9	-9	28 1/2	28 1/2
-5	-5	0	0	-5	-5	29 1/2	29 1/2
-1	-5	-2	+4	11	-1	30 1/2	30 1/2
-1	-4	-7	-7	+5	+3	31 1/2	31 1/2
-3	-4	-10	-11	+7	+4	32 1/2	32 1/2
-3	-10	-2	-10	+3	0	33 1/2	33 1/2
-8	-9	-5	-3	-3	-7	34 1/2	34 1/2
-10	-18	0	-4	-10	-14	35 1/2	35 1/2
-8	-20	+6	0	-14	-20	36 1/2	36 1/2
-14	-22	+9	0	-22	-22	37 1/2	37 1/2
-18	-20	+8	+6	-26	-26	38 1/2	38 1/2
-22	-26	+10	+6	-32	-32	39 1/2	39 1/2
-5	-6	-10	-9	+5	+3	40 1/2	40 1/2
-1	-3	-	-	-	-	41 1/2	41 1/2
-	-	-	-	-	-	42 1/2	42 1/2
-	-	-	-	-	-	43 1/2	43 1/2
+1	-2	+8	+6	-7	-8	44 1/2	44 1/2
-2	-3	+18	+17	-20	-20	45 1/2	45 1/2
-	-	-	-	-	-	46 1/2	46 1/2
0	0	+30	+28	-30	-28	47 1/2	47 1/2
-	-	-	-	-	-	48 1/2	48 1/2
-2	-3	+25	+24	-27	-28	49 1/2	49 1/2
-	-	-	-	-	-	50 1/2	50 1/2
-2	-5	+20	+18	-22	-23	51 1/2	51 1/2
-	-	-	-	-	-	52 1/2	52 1/2
0	-2	+10	+10	-10	-12	53 1/2	53 1/2
-	-	-	-	-	-	54 1/2	54 1/2

OS
part
cont

94 1/2 - 46 - 52 + 32 + 40 = 14 - 12

72 1/2	-13	-13	+12	+10	-1	+3
71 1/2	-13	-11	+9	+10	-4	-1
70 1/2	-11	-10	+8	+8	-3	-2
69 1/2	-10	-11	+10	+9	0	-2
68 1/2	-	-	-	-	-	-
67 1/2	-14	-12	+12	+10	-2	-0
66 1/2	-	-	-	-	-	-
65 1/2	-18	-18	+18	+20	0	+2
64 1/2	-	-	-	-	-	-
63 1/2	-16	-16	+17	+16	+1	0
62 1/2	-	-	-	-	-	-
61 1/2	-21	-20	+20	+19	-1	-2
60 1/2	-	-	-	-	-	-
59 1/2	-26	-26	+22	+21	-4	-5
58 1/2	-	-	-	-	-	-
57 1/2	-26	-27	+28	+28	+2	+1
56 1/2	-	-	-	-	-	-
55 1/2	-30	-30	+28	+26	-2	-4
54 1/2	-	-	-	-	-	-
53 1/2	-29	-28	+26	+28	-3	0
52 1/2	-	-	-	-	-	-
51 1/2	-30	-29	+30	+30	0	+1
50 1/2	-	-	-	-	-	-
49 1/2	-30	-28	+30	+28	0	0
48 1/2	-	-	-	-	-	-
47 1/2	-33	-32	+34	+31	+1	-1

46 1/2	-	-	-	-		
45 1/2	-25	-25	-25	+26	0	+1
44 1/2	-24	-21	+20	+22	-4	+1
43 1/2	-24	-22	+19	+20	-5	-2
42 1/2	-25	-25	+27	+28	+2	+3
41 1/2	-28	-29	+28	+29	0	0
40 1/2	-24	-24	+22	+23	-6	-1
39 1/2	-14	-12	+9	+10	-5	-2
38 1/2	+2	+3	-7	-6	-5	-3
37 1/2	+13	+14	-17	-16	-4	-2
36 1/2	+18	+19	-22	-21	-4	-3
35 1/2	+21	+22	-26	-26	-5	-4
34 1/2	+17	+21	-23	-21	-5	0
33 1/2	+15	+17	-19	-17	-2	0
32 1/2	+10	+12	-15	-14	-5	-2
31 1/2	+9	+12	-14	-14	-5	-2
30 1/2	+7	+9	-13	-14	-5	-5
29 1/2	+7	+10	-17	-15	-10	-5

L80W

29 1/2	-48	-47	+46	+46	-2	-1
30 1/2	-51	-51	+48	+46	-3	-5
31 1/2	-52	-52	+51	+50	-1	-2
32 1/2	-	-	-	-	-	-
33 1/2	-42	-42	+42	+44	0	+2
34 1/2	-	-	-	-	-	-
35 1/2	-31	-31	+30	+30	-1	-1
36 1/2	-	-	-	-	-	-
37 1/2	-14	-13	+10	+10	-4	-3
38 1/2	-	-	-	-	-	-
39 1/2	0	-2	-6	5	-8	-5
40 1/2	+2	+4	-8	-6	-4	-2
41 1/2	+4	+7	-12	-10	-8	-3

44 1/2	+9	+10	-13	-12	-4	-2
43 1/2	+12	+12	-14	-14	-2	-2
44 1/2	+14	+15	-17	-16	-3	-1
45 1/2	+18	+19	-23	-23	-5	-4
46 1/2	+20	+22	-26	-24	-6	-2
47 1/2	+21	+23	-25	-24	-4	-1
48 1/2	+20	+22	-25	-23	-5	-1
49 1/2	+20	+20	-24	-22	-2	-2
50 1/2	+22	+22	-25	-24	-3	-2
51 1/2	+23	+23	-25	-25	-2	-2
52 1/2	-	-	-	-	-	-
53 1/2	+22	+22	-26	-25	-4	-3
54 1/2	-	-	-	-	-	-
55 1/2	+26	+27	-31	-29	-5	-2
56 1/2	-	-	-	-	-	-
57 1/2	+24	+26	-32	-30	-8	-4
58 1/2	+9	+11	-19	-17	-10	-6
59 1/2	-1	+1	-10	-10	-11	-11
60 1/2	-7	-5	-7	-7	-14	-13
61 1/2	-7	-5	-11	-9	-18	-14
62 1/2	-14	-11	-5	-5	-19	-16
63 1/2	-14	-14	-6	-4	-22	-18
64 1/2	-15	-14	-4	-2	-19	-16
65 1/2	-15	+4	+1	+2	-14	-12
66 1/2	-16	-15	+8	+9	-8	-6
67 1/2	-16	-15	+9	+12	-7	-13

267

68½	-16	-155	+13	+15	-3	0
69½	-16	-15	+13	+14	-3	-1
70½	-16	-15	+14	+14	-2	-1
71½	-	-	-	-	-	-
72½	-15	-14	+11	+10	-4	-4
73½	-	-	-	-	-	-
74½	-26	-26	+23	+25	-3	-1
75½	-	-	-	-	-	-
76½	-38	-37	+33	+35	-5	-2
77½	-	-	-	-	-	-
78½	-39	-39	+31	+33	-8	-6
79½	-42	-40	+36	+38	-6	-2
80½	-42	-38	+36	+36	-4	-2
81½	-38	-37	+30	+30	-8	-7
82½	-30	-30	+25	+25	-5	-5
83½	-20	-20	+18	+20	-2	0
84½	-	-	-	-	-	-
85½	-12	-12	+9	+10	-3	-2
86½	-	-	-	-	-	-
87½	+4	+6	-7	-7	-3	-1
88½	-	-	-	-	-	-
	+16	+16	-19	-18	-3	-2

288

67½	-40	-40	+34	+35	-6	-5
66½	-43	-42	+40	+42	-3	0
65½	-	-	-	-	-	-
64½	-42	-42	+34	+35	-8	-7
63½	-42	-42	+35	+35	-7	-7
62½	-42	-42	+31	+32	-11	-10
61½	-42	-42	+38	+40	-4	-2
60½	-43	-43	+36	+36	-7	-7
59½	-43	-43	+38	+40	-5	-3

58½	-44	-44	+41	+42	-3	-2
57½	-42	-42	+42	+42	0	0
56½	-42	-42	+40	+38	-2	-4
55½	-42	-42	+43	+42	+1	0
54½	-42	-42	+38	+37	-4	-5
53½	-42	-42	+43	+44	+1	+2
52½	-40	-40	+39	+39	-2	-1
51½	-	-	-	-	-	-
50½	-40	-40	+38	+38	-2	-2
49½	-	-	-	-	-	-
48½	-38	-38	+36	+35	-2	-3
47½	-	-	-	-	-	-
46½	-34	-34	+30	+30	-4	-4
45½	-	-	-	-	-	-
44½	-39	-34	+34	+34	-5	0
43½	-34	-34	+33	+34	-3	0
42½	-	-	-	-	-	-
41½	-24	-22	+23	+22	-1	-0
40½	-	-	-	-	-	-
39½	-12	-12	+10	+10	-2	-2
38½	-	-	-	-	-	-
37½	+7	+7	-10	-9	-3	-2
36½	-	-	-	-	-	-
35½	+18	+18	-20	-19	-2	-1
34½	-	-	-	-	-	-

Ash group

L60 E	-40	-40	+35	+36	-5	-4
44 1/2	-38	-38	+34	+35	-4	-3
45 1/2	-40	-39	+38	+38	-2	-1
46 1/2	-50	-48	+45	+44	-5	-4
47 1/2	-54	-53	+51	+50	-3	-3
48 1/2	-59	-57	+55	+55	-4	-2
49 1/2	-59	-58	+55	+56	-4	-2
50 1/2	-58	-59	+53	+51	-5	-8
51 1/2	-56	-54	+54	+53	-2	+1
52 1/2	-46	-48	+48	+48	+2	0
53 1/2	-54	-52	+50	+50	-4	-2
54 1/2	-53	-52	+52	+50	-2	-2

L64 E

46 1/2	-44	-44	+41	+43	-3	-1
47 1/2	-48	-48	+44	+44	-4	-4
48 1/2	-52	-53	+49	+50	-3	-3
49 1/2	-56	-57	+54	+55	-2	-2
50 1/2	-66	-66	+61	+63	-5	-3
51 1/2	-65	-66	+63	+61	-2	-5
52 1/2	-62	-63	+59	+60	-4	-3
53 1/2	-56	-56	+55	+54	-1	-2
54 1/2	-58	-54	+55	+55	-3	-1

L56 E

43 1/2	-42	-42	+39	+40	-3	-2
44 1/2	-48	-49	+47	+48	-1	-1
45 1/2	-54	-53	+48	+49	-6	-4
46 1/2	-59	-58	+50	+54	-4	-4
47 1/2	-54	-54	+51	+50	-4	-4

$48\frac{1}{2}$	-55	-55	+50	+49	-5	-6
$49\frac{1}{2}$	-49	-50	+46	+47	-3	-3
$50\frac{1}{2}$	-46	-46	+42	+41	-4	-5
$51\frac{1}{2}$	-44	-43	+42	+43	-2	0
$52\frac{1}{2}$	-52	-52	+49	+50	-3	-2
$53\frac{1}{2}$	-64	-64	+63	+64	-1	0
$54\frac{1}{2}$	-66	-66	+64	+65	-2	-1