

KG
11366
u 807

1871phae.proj.1811.

Working List

49°50' to 51°

Checks

+50.4
+50.3
 $\begin{matrix} 1855 \\ \text{a} \end{matrix} \begin{matrix} 1871 \\ \text{a} \end{matrix}$
 $\begin{matrix} 0 & 338 & -75 & 1 & 24 & -22 \\ 0 & 441 & 111 & 1 & 35 & 164 \\ 1 & 37 & 360 & 1 & 54 & 413 \\ 1 & 400 & 14 & 2 & 31 & 67 \\ 2 & 166 & -34 & 3 & 07 & 19 \\ 2 & 201 & 368 & 3 & 11 & 421 \\ 2 & 345 & 00 & 3 & 25 & 53 \\ 2 & 430 & 48 & 3 & 337 & 101 \\ 3 & 154 & 225 & 4 & 06 & 278 \\ 3 & 257 & 471 & 4 & 16 & 524 \\ 3 & 483 & 25 & 4 & 39 & 78 \\ 4 & 167 & 107 & 5 & 07 & 160 \\ 4 & 190 & 406 & 5 & 10 & 459 \\ 4 & 202 & -31 & 5 & 11 & 22 \end{matrix}$

Checks

 $\begin{matrix} 1855 \\ \text{a} \end{matrix} \begin{matrix} 1871 \\ \text{a} \end{matrix}$
 $\begin{matrix} 6 & 187 & 443 & 7 & 09 & 496 \\ 7 & 48 & 489 & 7 & 55 & 542 \\ 7 & 89 & 475 & 7 & 59 & 528 \\ 10 & 32 & 381 & 10 & 54 & 434 \\ 10 & 114 & 163 & 11 & 02 & 216 \\ 11 & 127 & -66 & 11 & 8 & -13 \\ 12 & 84 & -34 & 12 & 59 & 19 \\ 12 & 352 & 79 & 13 & 26 & -26 \\ 15 & 268 & 579 & 16 & 17 & 632 \\ 15 & 319 & 236 & 16 & 23 & 289 \\ 16 & 63 & 510 & 16 & 56 & 563 \\ 16 & 203 & 55 & 17 & 11 & 108 \\ 17 & 71 & 585 & 17 & 58 & 618 \\ 17 & 174 & -45 & 18 & 8 & 08 \\ & 50.8 & +5.3 & & & \end{matrix}$

0 17 319 463¹ 18 22 516
 +507 +53
 18 271 157 19 17 210
 508

18 319 287 19 22 340
 508

19 516 396 20 42 449
 509

20 30 67 20 54 120
 509

21 216 298 22 13 351
 510

24 347 560 25 25 613
 512

24 382 181 25 29 234
 512

25 163 524 26 07 577
 513

26 141 118 27 05 171
 514

26 393 392 27 31 445
 515

27 04 541 27 52 594
 516

27 413 30 28 38 83
 517

27 524 575 28 44 568
 518

28 161 588 29 08 641
 519

29 30 -65 29 55 -12
 520

0 30 05 262 0 34 53 315
 520

30 75 397 30 59 449
 520

30 239 283 31 16 336
 521

30 432 359 31 35 412
 521

31 57 139 31 57 192
 522

31 68 400 31 59 473
 522

31 547 -19 32 47 +34
 523

32 154 20 33 07 73
 523

32 520 113 33 44 166
 523

35 262 592 36 19 145
 526

36 170 87 37 10 140
 527

38 80 458 39 1 571
 529

38 327 540 39 26 573
 530

39 24 -85 39 55 -32
 531

39 159 185 40 09 238
 532

39 207 187 40 14 240
 533

0 39 305 -57 +53.6 +5.3	0 40 24 -0.4	0 43 590 361 0 44 53. 41.4 54.3
39 487 392 53.6	40 42 44.5	44 58.2 47 45 53 10.0 54.4
39 515 0.2 53.6	40 45 5.5	45 547 2.2 46 54 7.5 54.5
40 395 10.6 53.7	41 33 15.9	46 189 57.4 47 13 6.27 54.5
41 501 25.0 53.9	42 44 30.3	46 40.6 25.0 47 35 3.03 54.5
41 523 287 54.0	42 46 34.0	48 38.2 367 49 33 4.20 54.6
42 17 52.5 54.0	42 56 58.8	48 577 361 49 52 4.14 54.6
42 102 -9.4 54.0	43 04 -9.1	49 54 37.9 50 00 4.32 54.6
42 138 -9.9 54.0	43 08 -4.1	49 23.0 18.4 50 18 23.7 54.6
42 306 387 54.0	43 25 44.0	50 320 -5.8 51 27 -0.5 54.7
42 417 431 54.0	43 36 48.4	51 38 18.9 51 58 2.42 54.7
43 187 468 54.1	44 13 52.2	51 47.2 36.0 52 42 4.13 54.8
43 251 24.4 54.1	44 19 29.7	51 577 493 52 52 5.46 54.8
43 356 -8.9 54.1	44 30 -3.6	52 167 31.9 53 11 3.72 54.8
43 40.9 -0.8 54.2	44 35 -4.5	52 337 59 53 28 1.12 54.9
43 428 -1.4 54.3	44 37 +3.9	52 56.8 -7.9 53 51 -2.6 54.9 +5.2

0ⁿ 53 245 156 54 20 20.9
 55.0 + 5.3

53 542 152 54 59 20.5
 55.2

54 105 144 55 11 19.7
 55.3

55 139 224 56 09 28.7
 55.3

55 296 234 56 25 28.7
 55.3

55 563 267 56 57 32.0
 55.3

56 147 138 57 14 19.1
 55.3

56 406 88 57 36 24.1
 55.3

57 213 328 58 17 38.1
 55.4

58 309 -99 59 26 -9.6
 55.5

0 59 547 412 0 0 50 48.5
 55.6

1ⁿ 0 458 -3.5 1 41 1.8
 55.7

0 595 482 1 55 53.5
 55.8

1 337 581 2 29 63.4
 55.8

1 587 -59 2 54 +0.6
 55.9

2 1.3 143 2 57 19.6
 55.9

1ⁿ 2 15.7 538 3 11 59.1
 55.9

3 09 455 3 57 50.8
 56.0

3 429 451 4 39 50.4
 56.1

4 167 503 5 13 56.6
 56.2

4 369 192 5 33 24.5
 56.2

4 524 161 5 59 21.4
 56.3

6 486 584 7 45 63.7
 56.5

7 26 465 7 59 51.8
 56.5

7 67 62 8 03 11.5
 56.5

8 469 105.9 44 10.8
 56.8

10 09 513 10 58 56.6
 57.0

10 359 23 11 33 7.6
 57.1
 57.3

11 566 50.5 12 54 50.8
 57.8

12 568 198.13 54 25.1
 57.8

13 188 -9.2 14 16 -0.9
 57.9

14 576 490 15 55 54.3
 57.4 T 51

$$1^h 15 249 - 88$$

$$579 \quad 751$$

$$15 265 \quad 248$$

$$574$$

$$15 457 \quad 28$$

$$574$$

$$16 306 \quad 555$$

$$575$$

$$18 91 \quad 377$$

$$577$$

$$19 106 \quad 147$$

$$578$$

$$19 317 - 25$$

$$580$$

$$19 457 \quad 555$$

$$581$$

$$582$$

$$20 91 \quad 560$$

$$582$$

$$21 548 - 48$$

$$584$$

$$23 380 \quad 47$$

$$585$$

$$27 483 \quad 558$$

$$586$$

$$27 585 \quad 310$$

$$586$$

$$28 91 \quad 350$$

$$587$$

$$28 566 - 82$$

$$587$$

$$31 220 \quad 110$$

$$588$$

$$1^h 31 400 \quad 112$$

$$589$$

$$32 202 \quad 487$$

$$590$$

$$33 388 \quad 97$$

$$591$$

$$34 307 \quad 474$$

$$592$$

$$34 360 - 24$$

$$592$$

$$34 447 - 71$$

$$592$$

$$35 225 \quad 223$$

$$594$$

$$37 491 \quad 235$$

$$596$$

$$37 579 \quad 489$$

$$596$$

$$38 65 \quad 99$$

$$596$$

$$38 143 \quad 243$$

$$596$$

$$38 212 \quad 14$$

$$596$$

$$39 112 \quad 360$$

$$597$$

$$39 214 \quad 238$$

$$597$$

$$41 342 \quad 421$$

$$599$$

$$42 299 \quad 73$$

$$600 + 98$$

$142^{12} 411.286$
 $60.0 + 4.8$
 $42 579 47$
 60.0
 $43 367 405$
 60.1
 $45 37 417$
 60.3
 $45 258 235$
 60.3
 $45 400 81$
 60.3
 $46 260 583$
 60.4
 $47 198 -51$
 60.5
 $47 464 140$
 60.5
 $47 527 41$
 60.6
 $48 00 133$
 60.6
 $48 149 252$
 60.6
 $48 270 -57$
 60.6
 $48 416 132$
 60.7
 $49 319 103$
 60.8
 $50 20 -65$
 60.9
 $1.50189 -63$
 $50 317 405$
 60.9
 $50 369 -60$
 60.9
 $51 483 580$
 61.0
 $51 524 -43$
 61.0
 $52 368 350$
 61.1
 $53 18 307$
 61.2
 $54 37 572$
 61.3
 $54 218 513$
 61.3
 $54 545 596$
 61.3
 $55 322 340$
 61.4
 $55 323 377$
 61.4
 $55 355 151$
 61.5
 $56 42 -35$
 61.5
 $57 156 380$
 61.6
 $57 161 479$
 $61.6 + 4.6$

$$\begin{array}{r} n \\ 1 \ 57 \ 247 \ 553 \\ 61.6 + 4.6 \end{array}$$

$$\begin{array}{r} 57 \ 356 \ 386 \\ 61.6 \end{array}$$

$$\begin{array}{r} 58 \ 132 \ 243 \\ 61.7 \end{array}$$

$$\begin{array}{r} 1 \ 59 \ 405 \ 231 \\ 61.8 \end{array}$$

$$\begin{array}{r} 2 \ 0 \ 272 \ 585 \\ 61.9 \end{array}$$

$$\begin{array}{r} \neq \ 10.5 \ 120 \\ 62.0 \end{array}$$

$$\begin{array}{r} 1 \ 405 \ 583 \\ 62.0 \end{array}$$

$$\begin{array}{r} 1 \ 595 - 4.9 \\ 62.0 \end{array}$$

$$\begin{array}{r} 2 \ 87 - 2.3 \\ 62.1 \end{array}$$

$$\begin{array}{r} 3 \ 594 \ 234 \\ 62.3 \end{array}$$

$$\begin{array}{r} 4 \ 451 - 9.3 \\ 62.4 \end{array}$$

$$\begin{array}{r} 5 \ 488 \ 33 \\ 62.5 \end{array}$$

$$\begin{array}{r} 6 \ 531 \ 487 \\ 62.6 \end{array}$$

$$\begin{array}{r} 6 \ 552 \ 570 \\ 62.6 \end{array}$$

$$\begin{array}{r} 7 \ 126 \ 612 \\ 62.6 \end{array}$$

$$\begin{array}{r} 8 \ 5.3 - 9.4 \\ 62.7 \end{array}$$

$$\begin{array}{r} n \quad m \quad 15 \quad 1 \\ 2 \ 8 \ 114 \ 116 \\ 62.7 \end{array}$$

$$\begin{array}{r} 9 \ 36 \ 134 \\ 62.8 \end{array}$$

$$\begin{array}{r} 9 \ 225 - 9.7 \\ 62.8 \end{array}$$

$$\begin{array}{r} 9 \ 416 - 9.2 \\ 62.8 \end{array}$$

$$\begin{array}{r} 10 \ 330 \ 168 \\ 62.9 \end{array}$$

$$\begin{array}{r} 9 \ 430 - 9.9 \\ 62.9 \end{array}$$

$$\begin{array}{r} 10 \ 492 \ 534 \\ 63.0 \end{array}$$

$$\begin{array}{r} 11 \ 494 \ 373 \\ 63.1 \end{array}$$

$$\begin{array}{r} 12 \ 16 \ 475 \\ 63.1 \end{array}$$

$$\begin{array}{r} 13 \ 171 \ 221 \\ 63.2 \end{array}$$

$$\begin{array}{r} 13 \ 364 \ 369 \\ 63.3 \end{array}$$

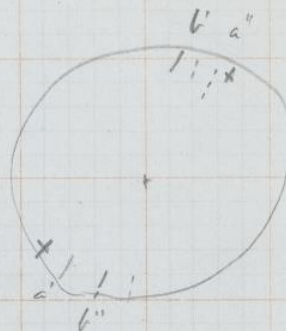
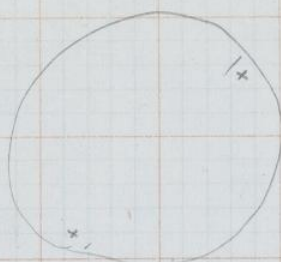
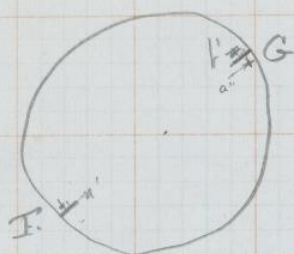
$$\begin{array}{r} 14 \ 79 \ 141 \\ 63.4 \end{array}$$

$$\begin{array}{r} 15 \ 417 \ 348 \\ 63.6 \end{array}$$

$$\begin{array}{r} 15 \ 538 - 9.7 \\ 63.6 \end{array}$$

$$\begin{array}{r} 16 \ 133 - 6.5 \\ 63.6 \end{array}$$

$$\begin{array}{r} 16 \ 134 \ 515 \\ 63.7 + 4.5 \end{array}$$



I absc. of I

G " " G

a' = first root of A

b' " " B

a'' = 2nd " A

b'' " " B

$$b'' - a' + b' - a'' = \text{const.} = \text{const. two lines}$$

$$b'' - a' - (b' - a'') = \text{angle bet roots}$$

$t'' - a'$	$t' - a''$	D	Σ
204	-92	296	1.12
850	724	126	15.74
722	616	106	13.38
884	628	256	15.12
448	564	-84	10.12
184	184	.00	3.68
D			
828	496	332	13.24
630	466	224	10.36
324	122	202	4.46
146	-210	356	-.64
-782	-618	-164	-14.00
-710	-712	+02	-14.24

21 39 154 89A 24.6

40 472 9.0 144

40 487 746 04

41 259 91A -50

41 452 9.3A 485

41 579 9.3A 422

42 465 76A 570

43 256 86A 562

43 563 7.3A -93

45 159 7.2A 192

45 411 87 429

46 327 9.0 131

46 519 8.3B 451

48 82 88 430

48 104 85 489

48 465 86 571

48 551 89 -12

50 29 87 19.0

50 401 87A 250

50 502 87A 219

51 253 8.0B 529

51 288 85 448

51 341 9.0 52.3

52 135 87A 9.0

52 265 86A 9.0

52 277 81A -7.5

21 52 289 8.2B 20.8

52 336 87 383

52 384 89 117

52 457 84B 538

53 268 9.0A -7.6

53 516 87A 85

54 328 86A -9.5

54 441 7.6B 49.4

54 571 8.5A 54.6

55 253 8.3A 32.3

55 361 87A 35.5

56 135 85 38.0

56 141 8.3B 23.4

56 205 8.8A 38.7

56 224 9.0 0.1

57 25 89 16.1

57 209 88 5.8

57 265 86A 12.2

21 59 14 9.1B 42.0

20 59 40.9 7.3B 59.9

22 0 1.6 8.5 26.1

0 7.3 9.0 30.9

0 40.8 9.3B 23.2

1 9.7 9.0 13.1

22 1 525 9.0 15.9

1 549 85A 59.8

2 07 9.0 15.5

2 211 9.0A 43.1

2 303 8.5B 54.8

3 4.9 9.0A 50.0

3 262 9.0A 1.3

3 288 9.0 20.2

3 31.9 8.6B 4.0

4 12.0 9.2A 25.7

4 304 9.1B 12.6

4 348 8.5A 17.1

4 432 87 8.9

4 574 84A 5.6

5 12.1 8.9A 57.8

5 329 6.0A 6.6

6 248 8.6B 35.6

7 217 9.0 5.5

7 21.7 8.0B 28.4

8 322 9.1B 7.3

8 337 8.0A 43.0

9 8.4 9.0A 4.0

9 262 7.5A 46.0

9 41.3 9.5B 32.9

9 41.6 8.5A 44.8

229 ⁿ 45.7 8.1 20.6	22 1738.6 8.24 49.4	22 2545.7 8.04 29.9
10 408 8.3 22.2	17 49.0 7.74 53.2	27 9.7 9.0 28.1
10 429 7.84 17.1	17 57.6 7.24 28.1	27 11.6 9.36 26.8
11 28.9 9.06 11.1	17 58.4 9.16 21.6	27 18.9 9.34 50.4
11 38.4 8.24 5.0	19 16.3 7.04 30.8	28 56.9 8.6 14.7
11 39.1 9.0 14.7	19 34.9 9.46 0.6	29 22.4 9.0 -4.8
11 43.9 8.5 -9.1	19 55.2 9.46 -6.3	30 55.9 9.16 10.4
11 59.5 7.84 35.8	20 5.1 9.24 37.4	30 1.4 8.8 -9.2
12 8.0 8.84 14.2	20 8.0 8.64 0.1	30 58.0 ^{39.2} 8.0 21.9 ⁵⁰
12 25.7 8.8 47.9	20 21.4 8.7 6.0	31 3.7 26.9
12 39.6 9.56 14.1	20 13.8 8.7 16.2	31 16.6 ^{39.3} 8.54 32.1
13 4.6 9.0 38.4	20 26.2 8.74 33.8	31 5.6 39.0
13 6.9 8.24 4.1	21 15.5 8.9 19.6	31 16.8 ^{39.3} 8.54 15.9
13 13.5 8.5 29.2	21 36.1 8.7 21.2	31 5.6 20.9
13 45.5 9.0 46.6	21 55.3 7.34 45.4	31 27.0 ^{39.3} 8.54 48.2
14 12.4 9.04 4.2	22 6.2 7.04 50.4	32 0.6 53.2
14 19.5 8.9 31.1	22 16.9 8.66 -8.5	31 35.2 ^{39.3} 8.74 -9.9
14 8.5 9.0 -9.1	22 27.3 9.16 8.4	32 1.4 -4.9
14 43.3 8.66 16.1	22 36.3 7.74 34.1	32 28.0 ^{39.3} 8.84 19.6
14 55.7 6.56 15.1	23 7.6 8.5 13.8	33 0.7 24.6
14 58.0 9.0 51.0	23 13.6 7.54 46.1	33 8.9 ^{39.3} 8.84 29.7
15 15.0 8.5 21.2	24 8.2 8.84 37.6	33 4.8 29.7
15 34.4 9.16 18.8	24 45.5 9.0 28.1	33 81.0 ^{39.3} 7.54 24.0
15 51.4 8.44 43.7	25 9.9 9.0 46.3	34 1.0 29.0
16 43.5 8.8 40.5	25 21.3 7.14 7.5	33 40.6 ^{39.3} 9.46 31.7
16 45.2 8.74 29.8	25 30.3 8.04 -8.9	34 2.0 36.7
17 23.5 9.0 17.0	25 30.8 8.2 22.7	33 56.3 ^{39.3} 9.26 19.7
		34 3.6 24.7
		34 51.3 ^{39.3} 8.54 52.8
		35 4.5 53.8
		34 17.6 ^{39.6} 7.84 47.8
		34 5.7 52.8
		34 41.1 ^{39.7} 9.04 18.3
		35 2.1 23.3
		34 48.3 ^{39.7} 7.14 37.8
		35 2.8 42.8
		35 24.0 ^{39.8} 8.36 10.3
		36 0.4 15.3
		36 41.6 ^{40.0} 8.8 17.4
		37 2.2 22.4
		36 46.5 ^{40.0} 8.54 1.0
		37 2.7 6.0
		36 59.4 ^{40.0} 9.24 55.7
		37 3.7 66.7
		37 14.6 ^{40.0} 8.54 42.9
		37 5.5 47.6

h
 $22 \ 37.590_{400} \ 8.2A \ 31$
 $38 \ 39 \ 8.1$
 $38 \ 0.35_{400} \ 9.5B \ 21.3$
 $38 \ 43 \ 26.3$
 $38 \ 126_{400} \ 7.5A \ 412$
 $38 \ 53 \ 26.2$
 $39 \ 171_{401} \ 8.0A \ 425$
 $39 \ 51 \ 47.5$
 $39 \ 284_{401} \ 7.8A \ 333$
 $40 \ 08 \ 9.3$
 $41 \ 372_{402} \ 9.2A \ 248$
 $42 \ 17 \ 23.0$
 $42 \ 426_{403} \ 9.2 \ 89$
 $43 \ 23 \ 10.9$
 $43 \ 77_{404} \ 7.0A \ 129$
 $43 \ 48 \ 19.9$
 $43 \ 80_{404} \ 9.4B \ 43.1$
 $43 \ 78 \ 48.2$
 $43 \ 532_{405} \ 8.6A \ 597$
 $44 \ 34 \ 64.8$
 $43 \ 573_{405} \ 6.7B \ -51$
 $44 \ 38 \ 8.0$
 $44 \ 020_{406} \ 8.9A \ 307$
 $44 \ 43 \ 35.8$
 $44 \ 290_{407} \ 8.3A \ 209$
 $45 \ 09 \ 26.0$
 $44 \ 436_{407} \ 7.6A \ 508$
 $45 \ 24 \ 55.4$
 $45 \ 519_{408} \ 9.0 \ 290.51$
 $46 \ 32 \ 34.1$
 $46 \ 06_{408} \ 9.4B \ 553$
 $46 \ 41 \ 60.4$
 $46 \ 237_{409} \ 7.4A \ 567$
 $47 \ 04 \ 62.8$
 $46 \ 338_{409} \ 9.4B \ -7.6$
 $47 \ 18 \ -2.5$
 $47 \ 188_{410} \ 8.0A \ 45.3$
 $48 \ 0 \ 45.3$
 $47 \ 458_{410} \ 9.5B \ 77$
 $48 \ 27 \ 12.8$
 $48 \ 137_{412} \ 9.4B \ -2.4 \ 2.10$
 $48 \ 55 \ +2.9$
 $48 \ 324_{412} \ 8.6A \ 111$
 $49 \ 14 \ 16.2$
 $48 \ 396_{412} \ 8.8A \ 129$
 $49 \ 21 \ 18.0$
 $48 \ 437_{412} \ 9.0B \ 45.2$
 $49 \ 25 \ 50.3$
 $49 \ 112_{413} \ 8.9 \ 49.2$
 $49 \ 53 \ 54.3$
 $49 \ 249_{413} \ 8.8A \ -8.7$
 $50 \ 06 \ -3.6$

h
 $22 \ 50 \ 318_{419} \ 9.1B \ 46.1$
 $51 \ 13 \ 51.7$
 $49 \ 478_{415} \ 9.0A \ -57$
 $50 \ 25 \ -0.6$
 $51 \ 124_{416} \ 8.7A \ 533$
 $51 \ 54 \ 58.4$
 $49 \ 530_{415} \ 8.7A \ -2.8 \ 2.16$
 $50 \ 34 \ +2.4$
 $51 \ 246_{416} \ 8.6 \ 412$
 $52 \ 06 \ 46.3$
 $50 \ 589_{416} \ 8.5A \ -3.0 \ 2.10$
 $51 \ 40 \ 2.2$
 $52 \ 170_{418} \ 8.0A \ 505$
 $52 \ 57 \ 55.6$
 $52 \ 137_{418} \ 7.9A \ -4.5$
 $52 \ 55 \ 0.5$
 $52 \ 260_{418} \ 8.5B \ 144$
 $53 \ 08 \ 19.6$
 $52 \ 213_{418} \ 9.2A \ -3.9$
 $53 \ 03 \ 1.3$
 $52 \ 394_{419} \ 8.0A \ 385$
 $53 \ 21 \ 43.6$
 $52 \ 400_{419} \ 9.0A \ 313$
 $53 \ 22 \ 36.4$
 $53 \ 117_{420} \ 9.4B \ 302$
 $53 \ 53 \ 35.3$
 $53 \ 140_{420} \ 8.5A \ 444$
 $53 \ 56 \ 44.5$
 $54 \ 224_{420} \ 8.2A \ 142$
 $55 \ 04 \ 19.4$
 $55 \ 255_{420} \ 7.5B \ 44 \ 2.10$
 $56 \ 07 \ 9.6$
 $55 \ 265_{420} \ 9.4B \ 194 \ 2.10$
 $56 \ 08 \ 24.6$
 $55 \ 318_{420} \ 9.0A \ 345$
 $56 \ 14 \ 39.7$
 $55 \ 526_{420} \ 9.0A \ 520$
 $56 \ 35 \ 57.2$
 $55 \ 540_{420} \ 8.7A \ 482$
 $56 \ 36 \ 53.4$
 $56 \ 382_{421} \ 8.7A \ 59.8$
 $57 \ 20 \ 65.0$
 $56 \ 391_{421} \ 8.0A \ 305 \ 2.10$
 $57 \ 21 \ 35.7$
 $57 \ 542_{422} \ 9.0A \ 141$
 $58 \ 36 \ 49.3$
 $58 \ 236_{423} \ 8.6A \ 555$
 $59 \ 06 \ 60.7$
 $59 \ 409_{424} \ 9.1B \ 237$
 $23 \ 00 \ 23 \ 28.9$
 $59 \ 431_{424} \ 8.0 \ 595.32$
 $23 \ 00 \ 26 \ 67.7$

h
 $23 \ 0 \ 57_{424} \ 7.9B \ 17.871$
 $0 \ 48 \ 22.9$
 $0 \ 74_{424} \ 8.5A \ 392$
 $0 \ 50 \ 49.3$
 $0 \ 97_{424} \ 9.0A \ -7.9$
 $0 \ 52 \ -2.7$
 $0 \ 56.0_{424} \ 8.9A \ 501$
 $1 \ 38 \ 55.2$
 $1 \ 486_{425} \ 8.1A \ 250$
 $2 \ 31 \ 36.2$
 $2 \ 26.0_{425} \ 9.0A \ 165$
 $3 \ 05 \ 21.7$
 $2 \ 282_{425} \ 9.5B \ 361$
 $3 \ 10 \ 48.2$
 $2 \ 397_{426} \ 9.0A \ 104$
 $3 \ 22 \ 15.6$
 $2 \ 416_{426} \ 8.8A \ 453$
 $3 \ 24 \ 50.5$
 $2 \ 560_{426} \ 8.5A \ 56.6$
 $3 \ 39 \ 61.7$
 $3 \ 07_{427} \ 9.0 \ 20.0$
 $3 \ 43 \ 25.2$
 $3 \ 10_{427} \ 9.0A \ 144$
 $3 \ 44 \ 19.5$
 $4 \ 165_{428} \ 8.7 \ 41.8$
 $4 \ 53 \ 46.8$
 $4 \ 404_{428} \ 8.3A \ 472$
 $5 \ 23 \ 52.3$
 $4 \ 495_{429} \ 6.6A \ -1.0$
 $5 \ 32 \ 4.2$
 $5 \ 235_{430} \ 9.0 \ 55.0$
 $6 \ 06 \ 60.1$
 $6 \ 558_{431} \ 9.3A \ 44.1$
 $7 \ 39 \ 44.2$
 $7 \ 552_{432} \ 8.7A \ 43.2$
 $8 \ 38 \ 44.3$
 $9 \ 40_{434} \ 8.0A \ 56.9$
 $9 \ 47 \ 62.1$
 $9 \ 240_{434} \ 9.0 \ 3.8$
 $10 \ 07 \ 6.9$
 $9 \ 477_{434} \ 7.1A \ -7.5$
 $10 \ 31 \ -2.4$
 $10 \ 146_{435} \ 9.0 \ 30.3$
 $10 \ 58 \ 35.4$
 $10 \ 459_{435} \ 8.0A \ 22$
 $11 \ 29 \ 7.4$
 $11 \ 4.3_{436} \ 9.2A \ 3.2$
 $11 \ 48 \ 6.3$
 $12 \ 67_{437} \ 9.0B \ 35.3$
 $13 \ 50 \ 40.4$
 $13 \ 06_{438} \ 9.0A \ 53.3$
 $13 \ 49 \ 58.4$

h	23	13	538	50	424
XX	14	39	446		
	14	106	439	92	528
	14	135	439	92	528
	14	135	439	92	528
	14	135	439	92	528
XX	15	43	349		
n10	16	39	441	748	137
	16	48	204		
	16	112	441	900	141
	16	112	441	900	141
XX	16	357	441	910	56
n10	18	166	443	900	120
X	18	267	443	90	386
n10	20	44	445	90	-40
X	20	44	445	90	-40
	21	231	448	776	340 n10
	20	387	447	946	-91
n10	21	438	448	88	165
X	21	517	448	88	113
	22	294	449	966	253 n10
	22	408	449	800	529
n10	23	25	450	820	-16
XX	23	423	450	900	107
	23	441	450	90	144 n10
	23	556	450	800	181 n10
	24	267	451	880	-09
XX	24	445	451	900	176
n10	24	438	451	880	-77
	25	416	452	840	117 n10
XX	26	302	453	870	22
n10	27	452	454	906	470
XX	27	53	454	936	288

h	23	27	84	88	470
	27	34	523		
	27	233	454	836	488
	27	446	454	820	340
	28	459	455	700	275
XX	28	525	455	90	525
	28	584	455	906	429 n10
	29	116	455	930	241
	29	318	455	88	483 n10
	29	342	456	88	198
XX	30	249	456	860	97.3
	30	485	456	910	76
	30	488	456	88	-48
	31	25	457	800	266
	31	497	457	90	430
XX	32	320	457	900	323 n10
	33	32	457	90	459
XX	33	128	457	90	-15
	33	224	457	90	558
	34	117	460	800	530
XX	34	480	461	90	536
	35	56	461	916	571
	35	378	462	730	375 n10
XX	36	182	463	760	63
	36	340	463	90	281
	37	415	464	840	65
	37	572	464	889	-17
XX	38	92	465	88	+33 n10

h	23	38	564	463	700	-85?
XX	38	597	465	90	282	
	38	595	465	946	-92	
	39	485	466	790	257	
X	39	46	466	770	-12	
	39	560	466	846	452	
	40	78	467	88	57	
	41	347	468	780	567	
	42	57	468	88	125	
	43	52	470	686	490	
X	43	162	470	926	-77	
	43	461	470	970	356	
	43	564	470	800	319	
	44	189	470	840	431	
XX	45	568	470	80	-08	
XX	46	172	470	910	417	
	46	193	470	700	427	
	48	21	470	840	534	
X	48	43	470	87	42	
	49	178	470	90	122	
	49	188	470	870	411	
XX	50	445	470	84	18	
	50	492	470	87	138	
	51	157	470	90	-64	
	51	36	470	840	349	
X	51	135	470	90	810	
	52	114	470	720	16	

23ⁿ 52 492.89 286
53 38

52 502.48 854 - 1.32
53 38

53 28.548 9.0 03
54 16

53 31.248 8.8 522
54 19

53 32.848 9.0 -6.1
54 21

55 15.448 9.0 -4.1
56 04

55 15.548 7.84 401
56 04

57 13.448 8.5 136
58 02

57 18.148 8.2 435
58 07

57 30.548 8.2 226
58 19

58 44.648 8.4 33.8
59 33

59 20.448 9.0 57.53
0 10

