

**Radii and Distances of the Centres for the Almucantars for
Latitude $32^{\circ} 0'$, Northern Projection, Radius of the Equator 60;0.**

a	r	d		a	r	d		a	r	d
1	109 36	92 58		31	49 13	48 42		61	20 43	36 14
2	106 10	90 5		32	48 1	48 1		62	19 56	36 1
3	102 55	87 24		33	46 50	47 21		63	19 11	35 49
4	99 49	84 51		34	45 41	46 44		64	18 25	35 37
5	96 52	82 28		35	44 33	46 7		65	17 40	35 26
6	94 3	80 12		36	43 26	45 32		66	16 54	35 15
7	91 22	78 4		37	42 21	44 58		67	16 10	35 5
8	88 48	76 3		38	41 16	44 25		68	15 26	34 56
9	86 21	74 9		39	40 14	43 54		69	14 42	34 47
10	83 59	72 19		40	39 12	43 24		70	13 58	34 38
11	81 43	70 36		41	38 11	42 54		71	13 15	34 30
12	79 33	68 58		42	37 11	42 26		72	12 32	34 22
13	77 27	67 25		43	36 13	42 0		73	11 48	34 14
14	75 26	65 56		44	35 15	41 33		74	11 6	34 8
15	73 29	64 31		45	34 18	41 8		75	10 23	34 1
16	71 36	63 10		46	33 22	40 44		76	9 41	33 56
17	69 47	61 54		47	32 29	40 19		77	8 59	33 50
18	68 1	60 39		48	31 32	39 58		78	8 17	33 45
19	66 19	59 29		49	30 39	39 37		79	7 35	33 40
20	64 40	58 22		50	29 46	39 16		80	6 53	33 36
21	63 4	57 17		51	28 54	38 56		81	6 11	33 32
22	61 30	56 15		52	28 2	38 37		82	5 30	33 28
23	60 0	55 17		53	27 11	38 18		83	4 48	33 25
24	58 32	54 20		54	26 21	38 1		84	4 7	33 23
25	57 5	53 25		55	25 31	37 43		85	3 26	33 21
26	55 42	52 33		56	24 42	37 37		86	2 44	33 18
27	54 20	51 43		57	23 53	37 11		87	2 3	33 17
28	53 1	50 52		58	23 5	36 56		88	1 22	33 16
29	51 43	50 9		59	22 17	36 41		89	0 41	33 16
30	50 24	49 24		60	21 29	36 27		90	0 0	33 16

Horizon: northern position 17 12, southern position 209 15,
radius 113 14, distance of its centre 96 2.

Prime vertical: southern position 108 15, radius 70 46,
distance of its centre 37 30.