

TABLE XVII.

*Azimuths of Polaris for the use of land surveyors.*

POLARIS ABOVE THE POLE.										POLARIS BELOW THE POLE.									
Time Argument.					Azimuth for latitude.			Time Argument.					Azimuth for latitude.						
Hours	1897.	1898.	1899.	1900.	36°	38°	40°	Hours	1897.	1898.	1899.	1900.	36°	38°	40°				
h.	m.	m.	m.	m.	° /	° /	° /	h.	m.	m.	m.	m.	° /	° /	° /				
0	04	04	04	04	0 02	0 02	0 02	11	54	54	54	54	0 02	0 02	0 02				
0	08	08	08	08	0 03	0 03	0 04	11	50	50	50	50	0 03	0 03	0 03				
0	12	12.	12.	12.	0 05	0 05	0 05	11	45.	45.	46.	45.	0 05	0 05	0 05				
0	16.	16.	16.	16.	0 07	0 07	0 07	11	41.	41.	41.	41.	0 06	0 07	0 07				
0	20.	20.	21	21	0 08	0 09	0 09	11	37.	37.	37.	37.	0 08	0 08	0 08				
0	24.	24.	25	25	0 10	0 10	0 11	11	33.	33.	33	33	0 10	0 10	0 10				
0	28.	29	29	29	0 12	0 12	0 12	11	29.	29	29	29	0 11	0 12	0 12				
0	33	33	33.	33.	0 13	0 14	0 14	11	25	25	25	25	0 13	0 13	0 14				
0	37	37	37.	37.	0 15	0 15	0 16	11	21	21	21	21	0 15	0 15	0 15				
0	41	41.	41.	41.	0 17	0 17	0 18	11	17	17	16.	16.	0 16	0 17	0 17				
0	45.	45.	45.	46	0 18	0 19	0 19	11	13	12.	12.	12.	0 18	0 18	0 19				
0	49.	49.	50	50	0 20	0 21	0 22	11	08.	08.	08.	08	0 19	0 20	0 20				
0	53.	53.	54	54	0 22	0 22	0 23	11	04.	04.	04.	04	0 21	0 22	0 22				
0	57.	58	58	58.	0 23	0 24	0 25	11	1	00.	00.	00	0 23	0 23	0 24				
1	02	02	02.	02.	0 25	0 26	0 26	10	56.	56.	55.	55.	0 24	0 25	0 25				
1	07	07	07.	07.	0 27	0 28	0 28	10	51	51	50.	50.	0 26	0 27	0 27				
1	12	12.	13	13	0 29	0 30	0 31	10	46	46	45.	45	0 28	0 29	0 29				
1	17.	17.	18	18	0 31	0 32	0 33	10	41	40.	40.	40	0 30	0 31	0 31				
1	22.	22.	23	23	0 33	0 34	0 35	10	35.	35.	35	35	0 32	0 33	0 34				
1	28	28.	28.	28.	0 35	0 36	0 37	10	30.	30.	30	29.	0 34	0 35	0 36				
1	33	33.	34	34	0 37	0 38	0 39	10	25.	25	24.	24.	0 36	0 37	0 38				
1	38	38.	38.	39	0 39	0 40	0 41	10	20.	20	19.	19	0 37	0 39	0 40				
1	43	43.	44	44.	0 41	0 42	0 43	10	15.	15	14.	14	0 39	0 40	0 41				
1	48	48.	49	49.	0 42	0 44	0 45	10	10	09.	09	08.	0 41	0 42	0 43				
1	53.	54	54.	55	0 44	0 46	0 47	10	05	04.	04	03.	0 43	0 44	0 45				
1	58.	59	59.	00	0 46	0 47	0 49	9	59.	59	58.	58	0 45	0 46	0 47				
2	03.	04.	05	05.	0 48	0 49	0 51	9	54.	54	53	53	0 47	0 48	0 49				
2	09	09.	10	10.	0 50	0 51	0 53	9	49	49	48	47.	0 48	0 50	0 51				
2	14	14.	15	16	0 51	0 53	0 54	9	44	43.	43	42	0 50	0 51	0 53				
2	19	20	20.	21.	0 53	0 55	0 56	9	39	38.	37.	37	0 52	0 53	0 55				
2	24.	25	26	26.	0 55	0 57	0 58	9	33.	33	32	31.	0 53	0 55	0 56				
2	30	30.	31	32	0 57	0 58	1 00	9	28.	28	27	26.	0 55	0 57	0 58				
2	35	35.	36.	37.	0 58	1 00	1 02	9	23	22.	21.	21	0 57	0 58	1 00				
2	40	41	41.	42.	1 00	1 02	1 03	9	18	17.	16.	15.	0 58	1 00	1 02				
2	45.	46.	47	48	1 02	1 03	1 05	9	12.	12	11	10	1 00	1 02	1 03				
2	50.	51.	53	53	1 03	1 05	1 07	9	07.	06.	05.	05	1 02	1 03	1 05				
2	56	57	57	58.	1 05	1 07	1 08	9	02	01.	00.	59.	1 03	1 05	1 07				
3	01	02	03	04	1 06	1 08	1 10	8	57	56	55	54	1 05	1 06	1 08				
3	06.	07.	08.	09.	1 08	1 10	1 12	8	52	51	49.	49	1 06	1 08	1 10				
3	13	14	15	16	1 10	1 12	1 13	8	45.	44.	43	42.	1 08	1 10	1 12				
3	19.	20.	21.	23	1 11	1 13	1 15	8	39.	38	36.	35.	1 09	1 11	1 13				
3	25.	27	28	29	1 13	1 15	1 17	8	32.	31.	30	29	1 11	1 13	1 15				
3	32.	33.	35	36	1 14	1 16	1 19	8	27	25	23.	23.	1 13	1 15	1 17				
3	39	40	41.	43	1 16	1 18	1 20	8	19.	17.	17	15.	1 14	1 16	1 18				
3	46.	48	49.	51	1 17	1 20	1 22	8	12	10.	09	07.	1 16	1 18	1 20				
3	54	55.	57.	59	1 19	1 21	1 24	8	04	02.	01	59.	1 18	1 20	1 23				
4	02	03.	05	07	1 21	1 23	1 25	7	56.	55	53	51.	1 19	1 21	1 24				
4	12	13.	15.	17.	1 23	1 25	1 27	7	46.	44.	42.	40.	1 21	1 24	1 26				
4	23.	25.	28	30	1 24	1 27	1 29	7	35	33	30.	28.	1 23	1 26	1 28				
4	35.	38	40.	43	1 26	1 29	1 31	7	23	20.	18	15.	1 25	1 27	1 30				
4	48.	50	54	57	1 28	1 30	1 33	7	10.	07.	04.	01.	1 27	1 29	1 32				
5	08.	12.	17.	23	1 30	1 33	1 35	6	50	45.	41	35.	1 29	1 32	1 34				
5	37	50	..	..	1 32	1 34	1 37	6	22.	11	..	..	1 31	1 34	1 36				

REMARKS.

1. The hour angles are expressed in mean solar time. The occurrence of a period after minutes of an hour angle indicates that its value is 0.5m. greater than printed.
2. "Time argument" is the star's hour angle (or 23h. 56.1m. minus the star's hour angle).
3. The azimuth, or bearing, is W. of N. when hour angle is less than 11h. 58m. and E. of N. when hour angle is greater than 11h. 58m.
4. To determine the true meridian.—The azimuth will be laid off to the east when the hour angle is less than 11h. 58m., and to the west when greater than 11h. 58m.