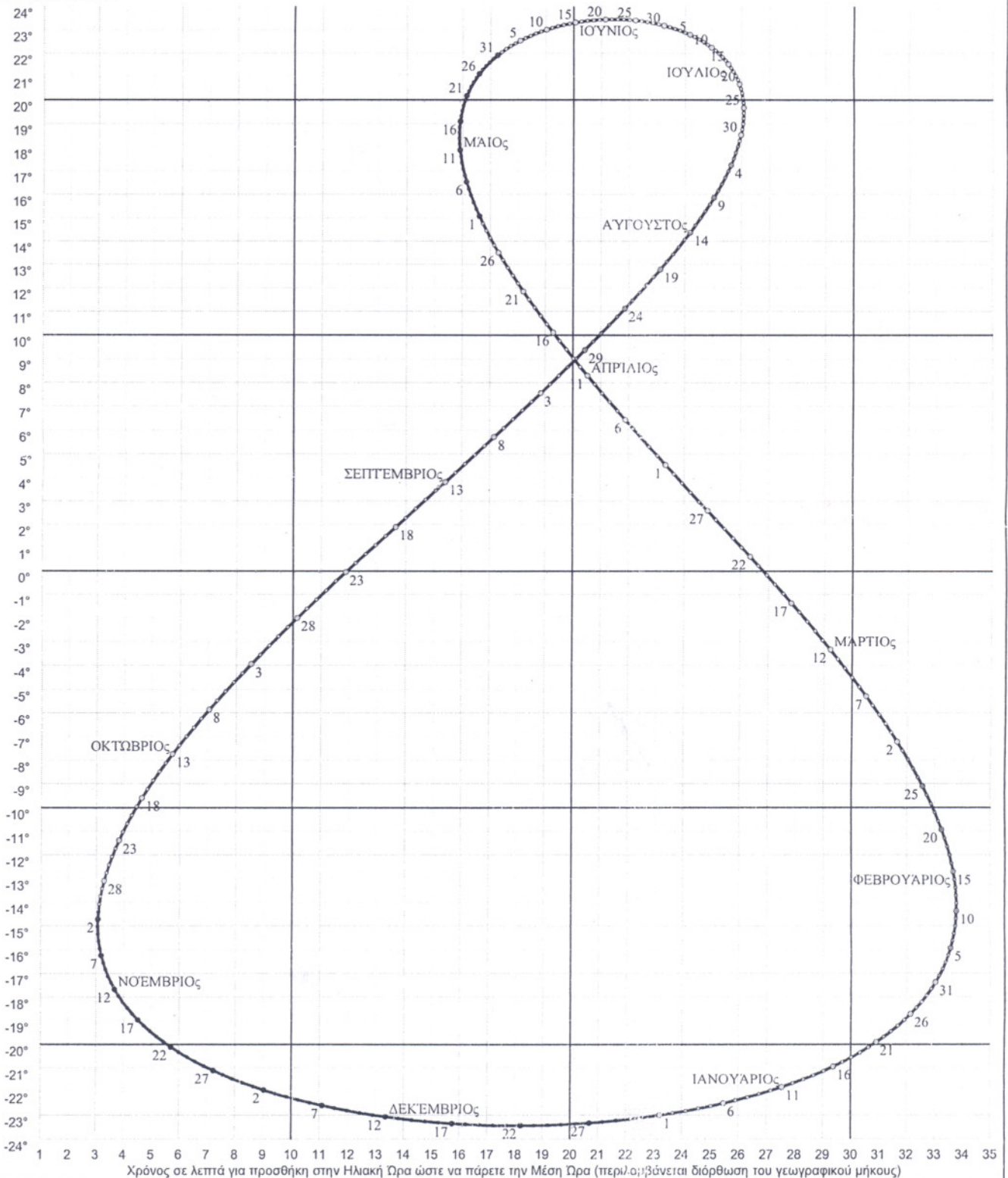


### ΓΡΑΦΗΜΑ ΤΗΣ ΕΞΙΣΩΣΗΣ ΧΡΟΝΟΥ ( 2013 ) ΗΡΑΚΛΕΙΟΝ - GREECE (ELLAS)

Απόκλιση του Ήλιου



### Solar Noon Calendar for Talos Final

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12:23:04	12:33:04	12:31:45	12:23:16	12:16:38	12:17:29	12:23:33	12:25:55	12:19:35	12:09:07	12:03:03	12:08:38
2	12:23:32	12:33:11	12:31:33	12:22:59	12:16:31	12:17:39	12:23:44	12:25:51	12:19:10	12:08:48	12:03:02	12:09:01
3	12:24:00	12:33:18	12:31:20	12:22:41	12:16:25	12:17:49	12:23:55	12:25:46	12:18:50	12:08:29	12:03:02	12:09:25
4	12:24:27	12:33:24	12:31:07	12:22:24	12:16:20	12:18:00	12:24:06	12:25:40	12:18:30	12:08:10	12:03:02	12:09:49
5	12:24:54	12:33:29	12:30:54	12:22:07	12:16:15	12:18:10	12:24:17	12:25:34	12:18:10	12:07:52	12:03:04	12:10:14
6	12:25:20	12:33:33	12:30:37	12:21:50	12:16:10	12:18:21	12:24:27	12:25:27	12:17:50	12:07:34	12:03:06	12:10:39
7	12:25:46	12:33:37	12:30:25	12:21:33	12:16:06	12:18:33	12:24:36	12:25:20	12:17:29	12:07:16	12:03:10	12:11:05
8	12:26:11	12:33:39	12:30:10	12:21:17	12:16:03	12:18:44	12:24:45	12:25:12	12:17:09	12:06:59	12:03:14	12:11:31
9	12:26:36	12:33:41	12:29:55	12:21:00	12:16:01	12:18:56	12:24:54	12:25:04	12:16:48	12:06:43	12:03:19	12:11:58
10	12:27:01	12:33:42	12:29:40	12:20:45	12:15:59	12:19:08	12:25:03	12:24:55	12:16:27	12:06:27	12:03:25	12:12:25
11	12:27:25	12:33:43	12:29:24	12:20:29	12:15:57	12:19:20	12:25:11	12:24:45	12:16:06	12:06:11	12:03:31	12:12:53
12	12:27:48	12:33:42	12:29:08	12:20:14	12:15:56	12:19:32	12:25:18	12:24:35	12:15:45	12:05:56	12:03:39	12:13:20
13	12:28:10	12:33:41	12:28:52	12:19:59	12:15:56	12:19:45	12:25:25	12:24:24	12:15:23	12:05:41	12:03:47	12:13:49
14	12:28:32	12:33:39	12:28:35	12:19:44	12:15:56	12:19:58	12:25:32	12:24:13	12:15:02	12:05:27	12:03:57	12:14:17
15	12:28:54	12:33:36	12:28:18	12:19:30	12:15:57	12:20:11	12:25:38	12:24:01	12:14:41	12:05:13	12:04:07	12:14:46
16	12:29:15	12:33:33	12:28:01	12:19:16	12:15:58	12:20:24	12:25:43	12:23:48	12:14:19	12:05:00	12:04:18	12:15:15
17	12:29:35	12:33:28	12:27:44	12:19:02	12:16:00	12:20:37	12:25:49	12:23:35	12:13:58	12:04:48	12:04:30	12:15:44
18	12:29:54	12:33:24	12:27:27	12:18:49	12:16:02	12:20:50	12:25:53	12:23:22	12:13:36	12:04:36	12:04:42	12:16:14
19	12:30:12	12:33:18	12:27:09	12:18:36	12:16:05	12:21:03	12:25:57	12:23:08	12:13:15	12:04:25	12:04:56	12:16:43
20	12:30:30	12:33:12	12:26:52	12:18:26	12:16:09	12:21:16	12:26:00	12:22:54	12:12:53	12:04:14	12:05:10	12:17:13
21	12:30:47	12:33:05	12:26:34	12:18:11	12:16:13	12:21:29	12:26:03	12:22:39	12:12:32	12:04:04	12:05:25	12:17:42
22	12:31:04	12:32:57	12:26:16	12:18:00	12:16:17	12:21:42	12:26:05	12:22:29	12:12:11	12:03:55	12:05:41	12:18:12
23	12:31:19	12:32:49	12:25:58	12:17:49	12:16:23	12:21:55	12:26:07	12:22:08	12:11:50	12:03:46	12:05:58	12:18:42
24	12:31:34	12:32:40	12:25:40	12:17:38	12:16:28	12:22:08	12:26:08	12:21:52	12:11:29	12:03:38	12:06:15	12:19:11
25	12:31:48	12:32:31	12:25:22	12:17:28	12:16:34	12:22:20	12:26:09	12:21:35	12:11:08	12:03:31	12:06:34	12:19:41
26	12:32:02	12:32:21	12:25:04	12:17:18	12:16:41	12:22:33	12:26:09	12:21:18	12:10:47	12:03:25	12:06:53	12:20:11
27	12:32:14	12:32:11	12:24:46	12:17:09	12:16:48	12:22:45	12:26:08	12:21:01	12:10:27	12:03:19	12:07:12	12:20:40
28	12:32:26	12:32:00	12:24:28	12:17:00	12:16:55	12:22:58	12:26:07	12:20:43	12:10:06	12:03:14	12:07:33	12:21:09
29	12:32:36	12:31:52	12:24:11	12:16:52	12:17:03	12:23:10	12:26:05	12:20:25	12:09:46	12:03:10	12:07:54	12:21:38
30	12:32:46		12:23:52	12:16:45	12:17:12	12:23:22	12:26:02	12:20:07	12:09:26	12:03:07	12:08:16	12:22:07
31	12:32:55		12:23:34		12:17:21		12:25:59	12:19:48		12:03:04		12:22:36

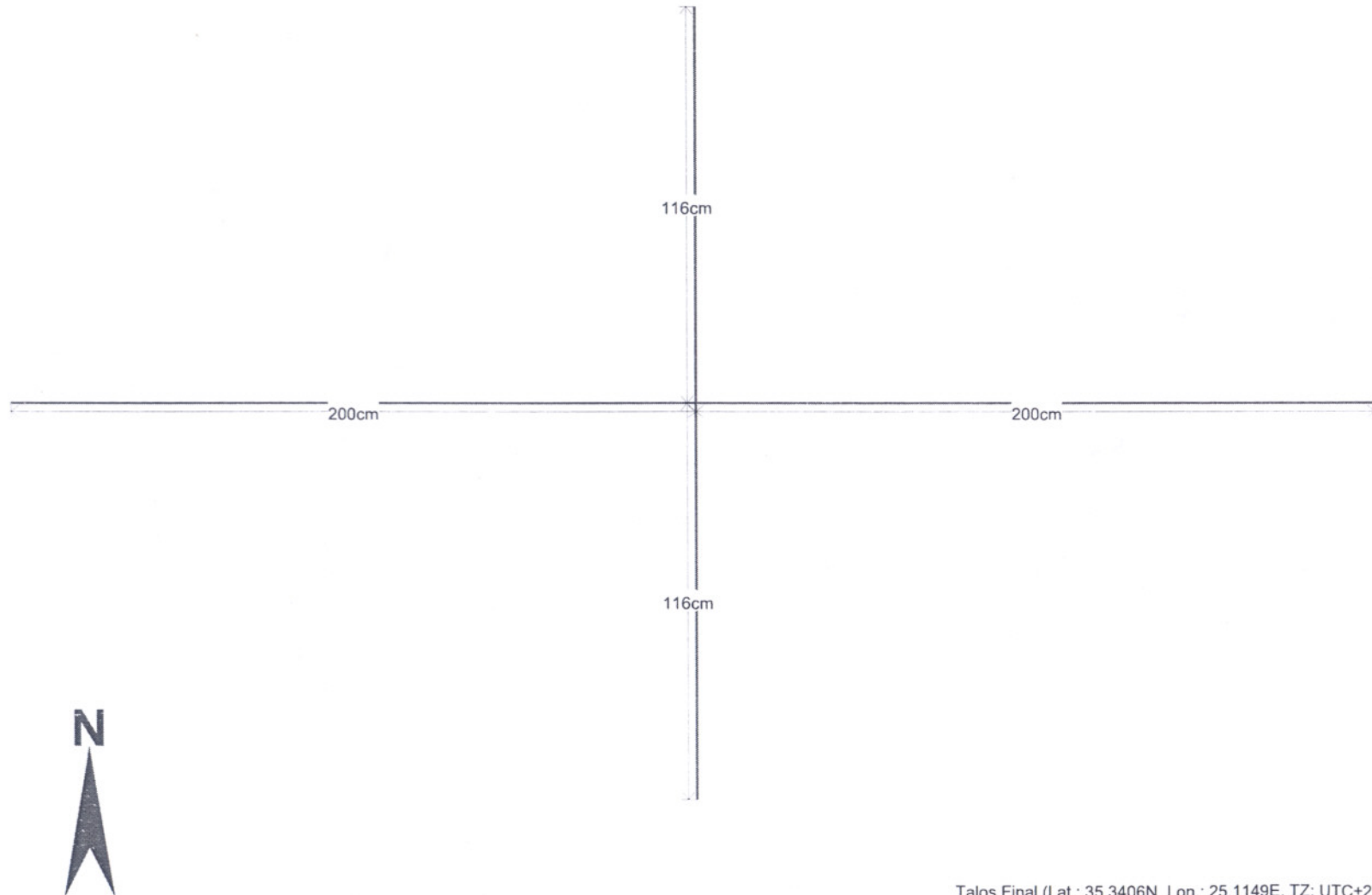
**NOTES:**

The times in the table are based on averages and may be in error by 10-15 seconds in January and December.

If your area has daylight saving time in the summer, we recommend that you highlight or draw a box round the relevant time, and write "Add one hour for daylight saving time" at the foot of the relevant months.

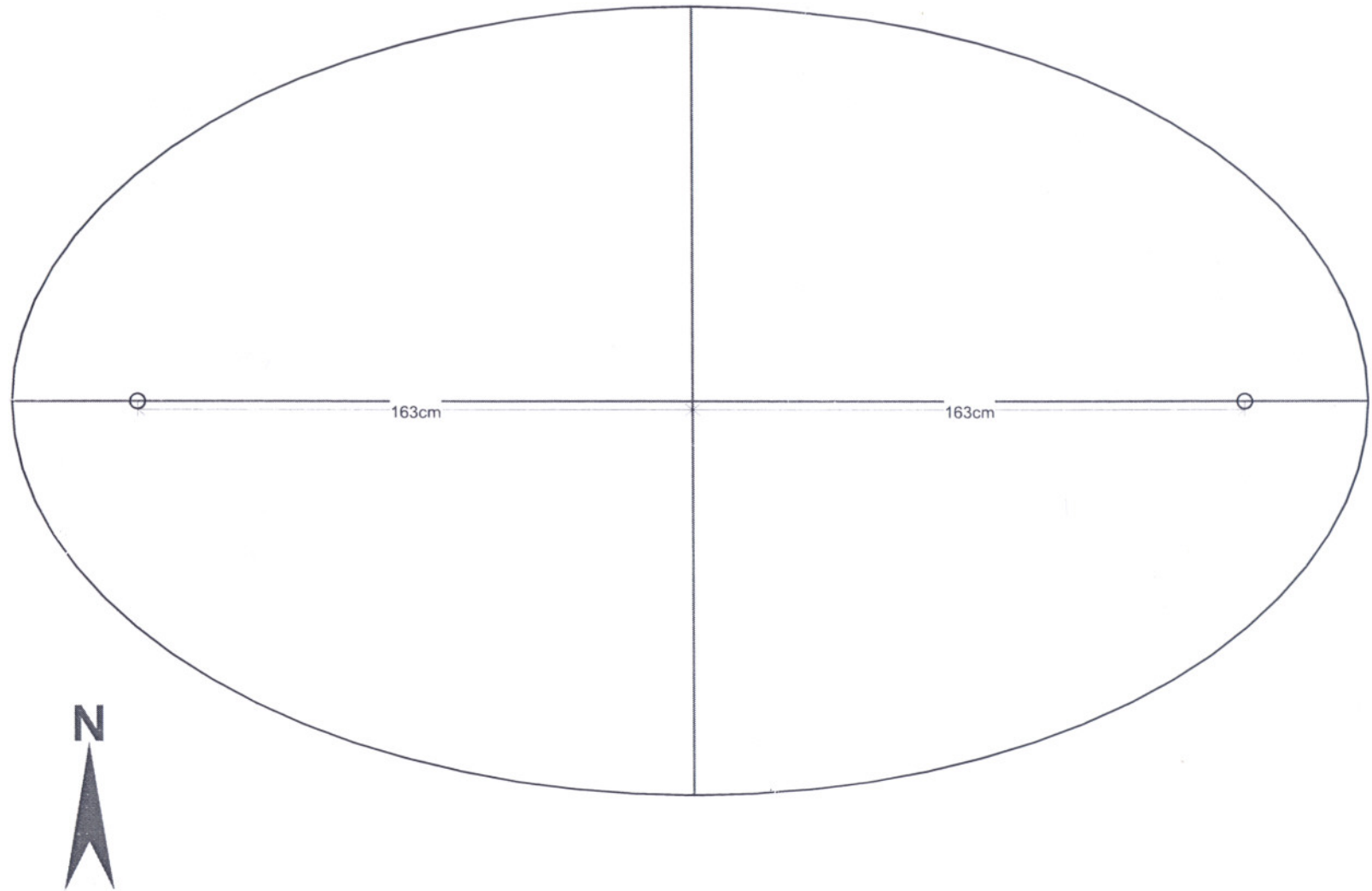
## Step 2: Draw the axes

Make sure to align the N arrow to true north (not magnetic)



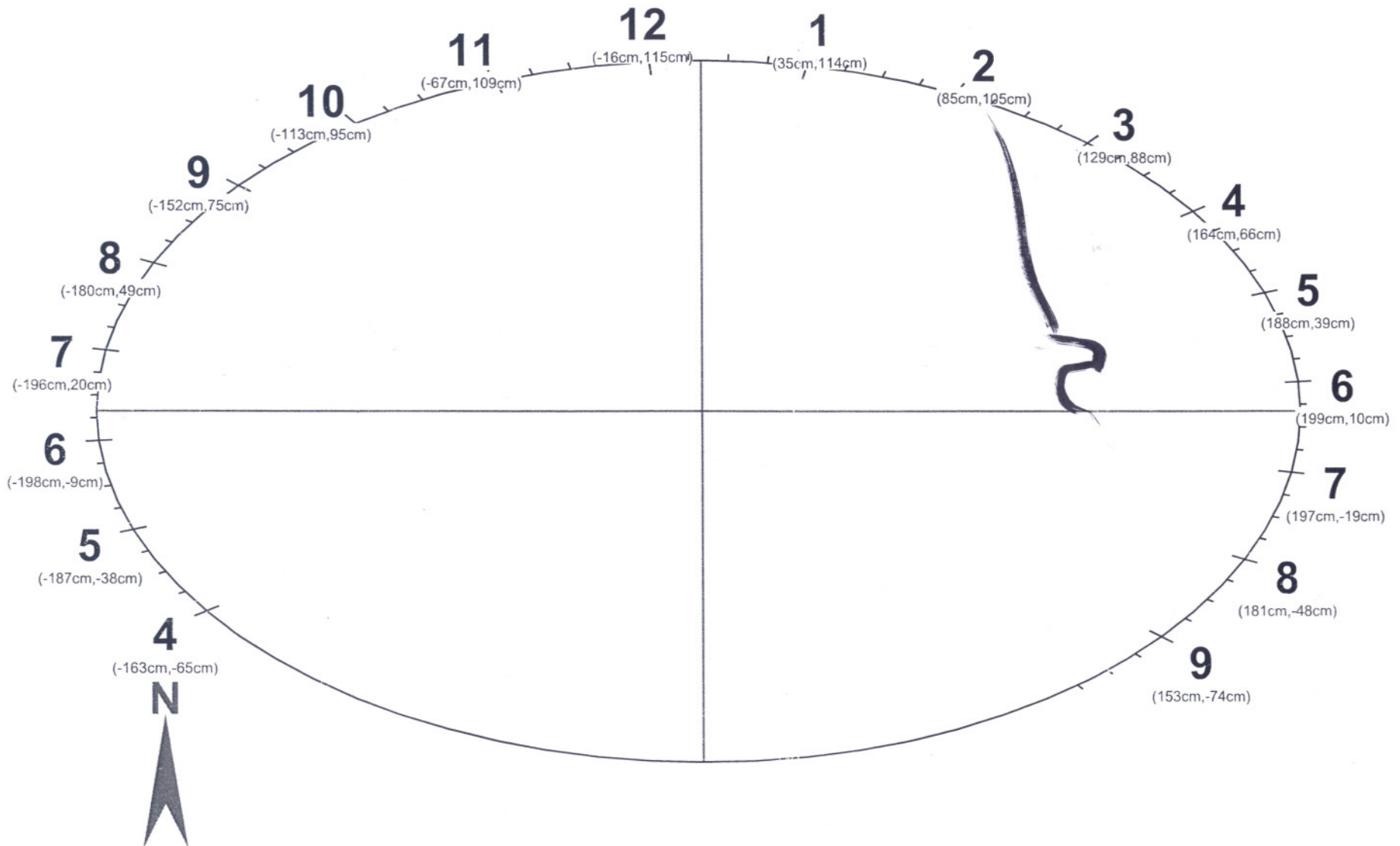
### Step 3: Draw the ellipse

Use a loop of length 726cm to draw ellipse.

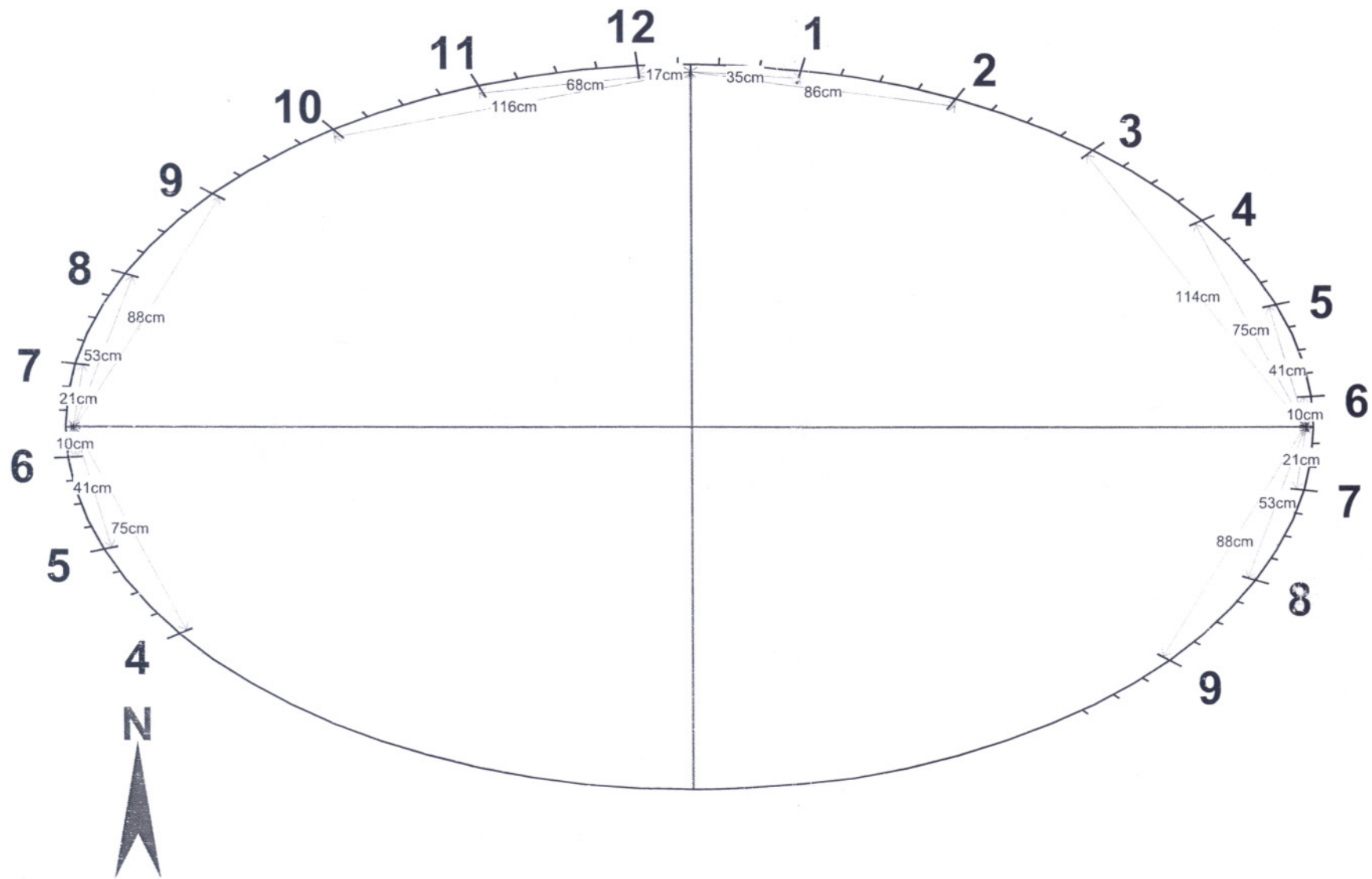




# Step 4a: Draw the hour labels



# Step 4b: Verify hour label distances



# Step 5: Draw monthly gnomon position tickmarks

Put the tickmarks at the indicated distances from the horizontal line.

