

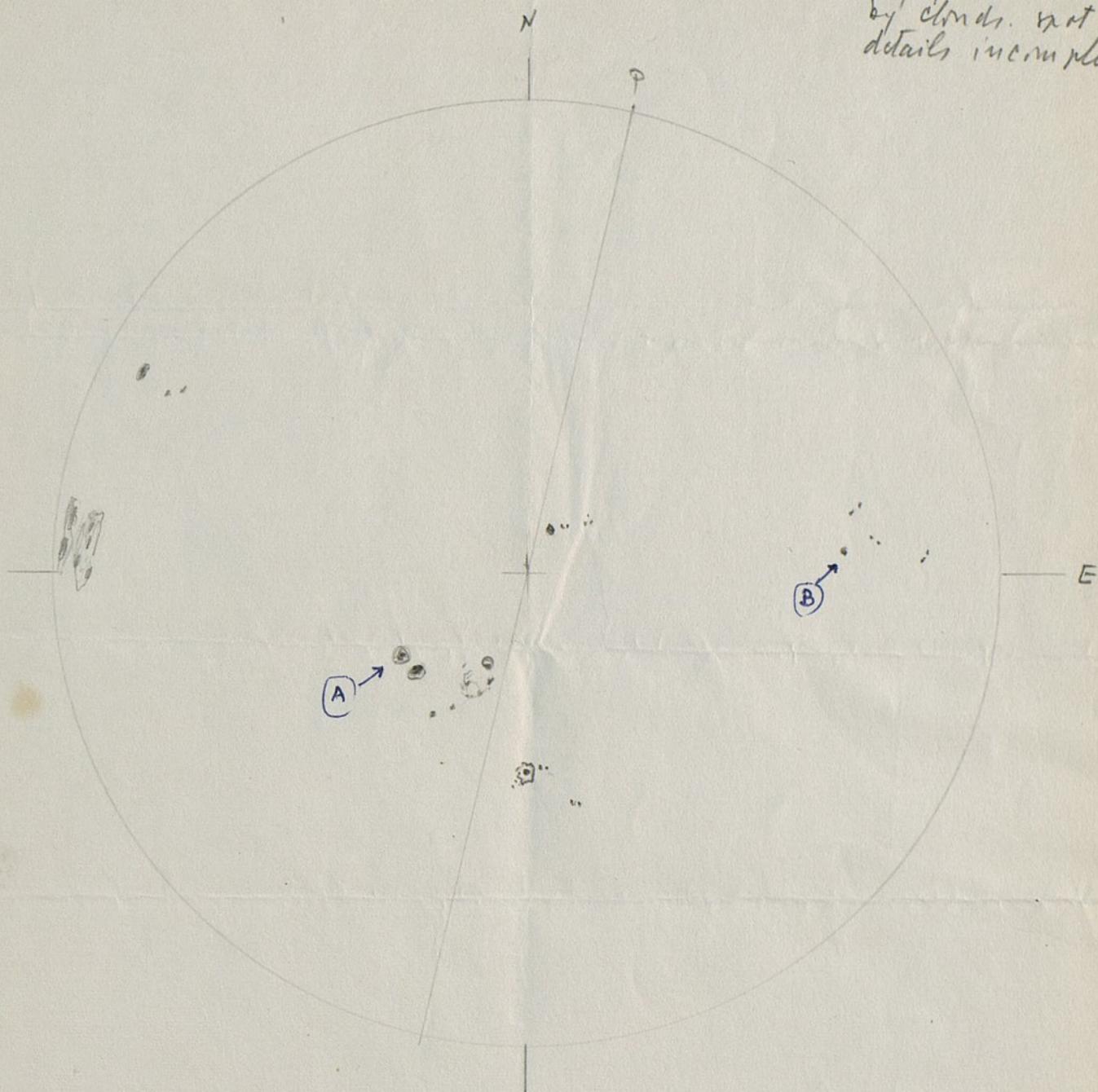
29th Aug. 69 — 11 July 70

6/3.

$4\frac{3}{8}$ " O.G.

R.M. 1550

1969 Aug 6
930 - 945 UT
seeing fair, interrupted
by clouds. Not
details incomplete



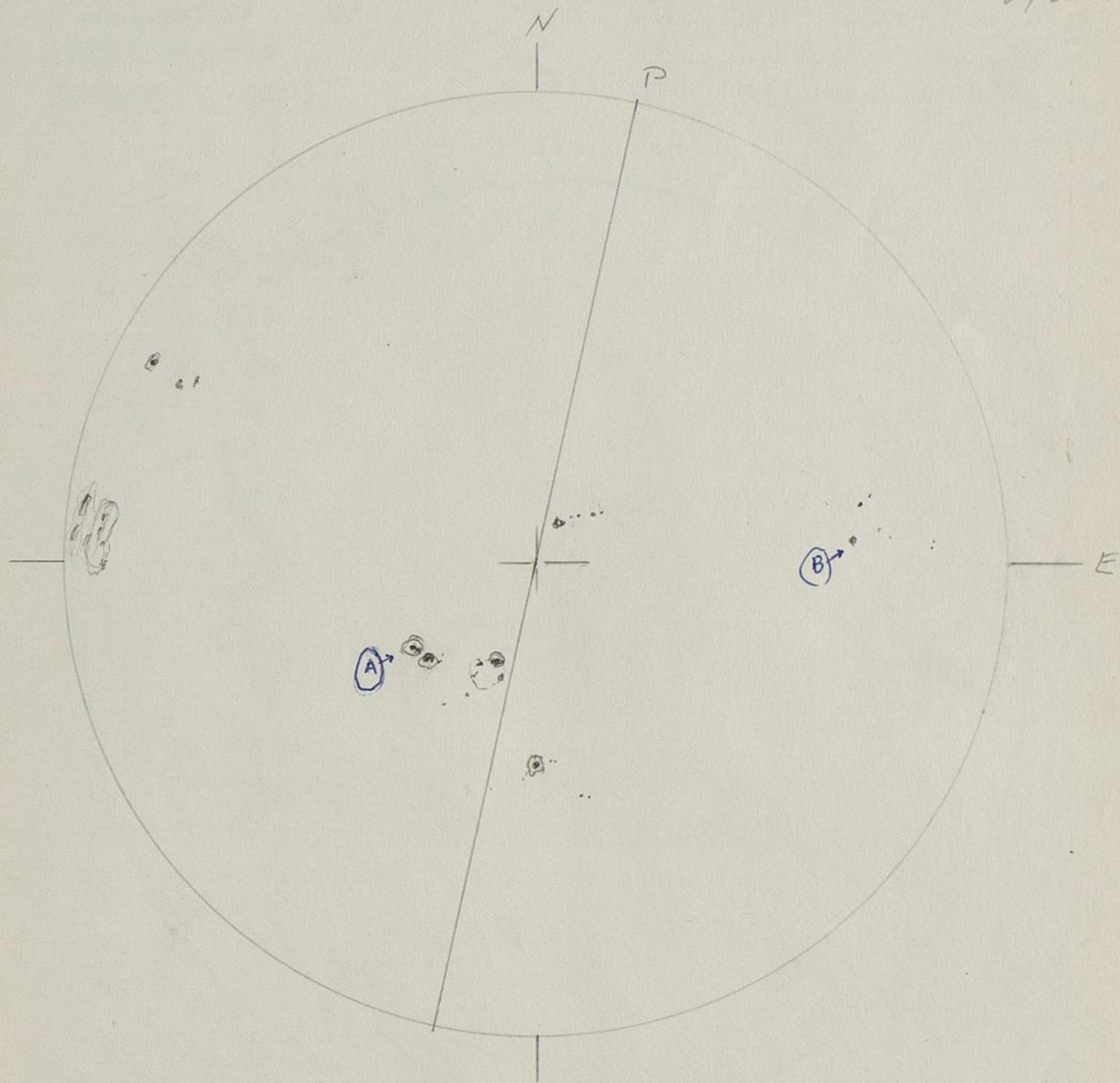
$$\begin{aligned}P &= +12.8^\circ \\B_0 &= 6.17 \\L_0 &= 54.5\end{aligned}$$

(A) $B = 7.5^\circ S$
 $L = 67.6^\circ$

(B) $B = 15.5^\circ N$
 $L = 13.6^\circ$

4 3/8" Aufz.
Rvt 1550

1969 Aug 6
9 30 - 45 UT
fair but inter.
by clima



$$P = +12.8^\circ$$

$$B_0 = 6.17$$

$$L_0 = 54.5$$

(A) $B = 7.5^\circ S$
 $L = 67.6^\circ$

(B) $B = 15.5 N$
 $L = 13.6^\circ$

6.8.69
9 30 - 45 UT

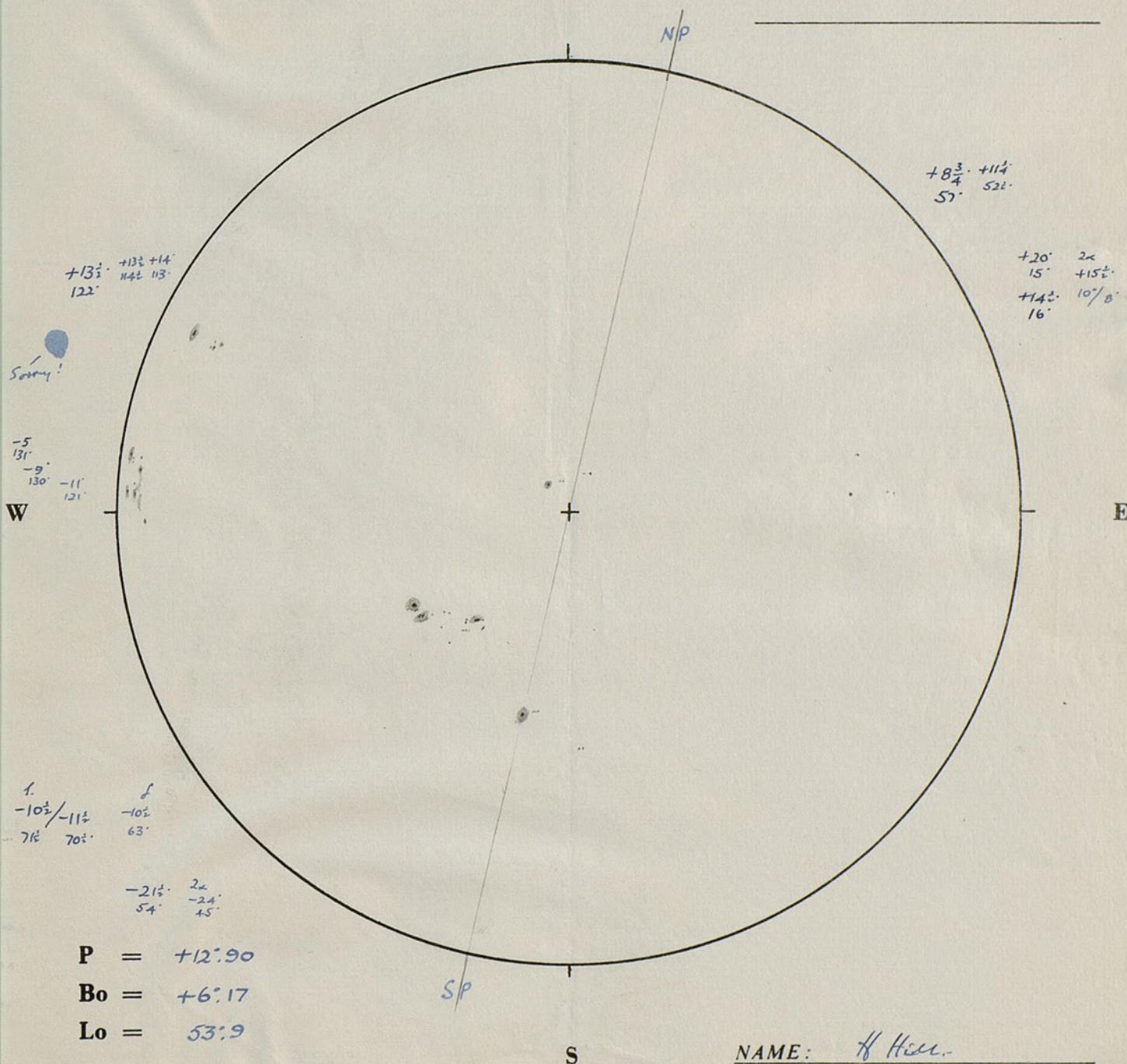
B.A.A. SOLAR SECTION

INSTRUMENT: 3" Refr. fed by赤道仪
ROTATION No.: 1550

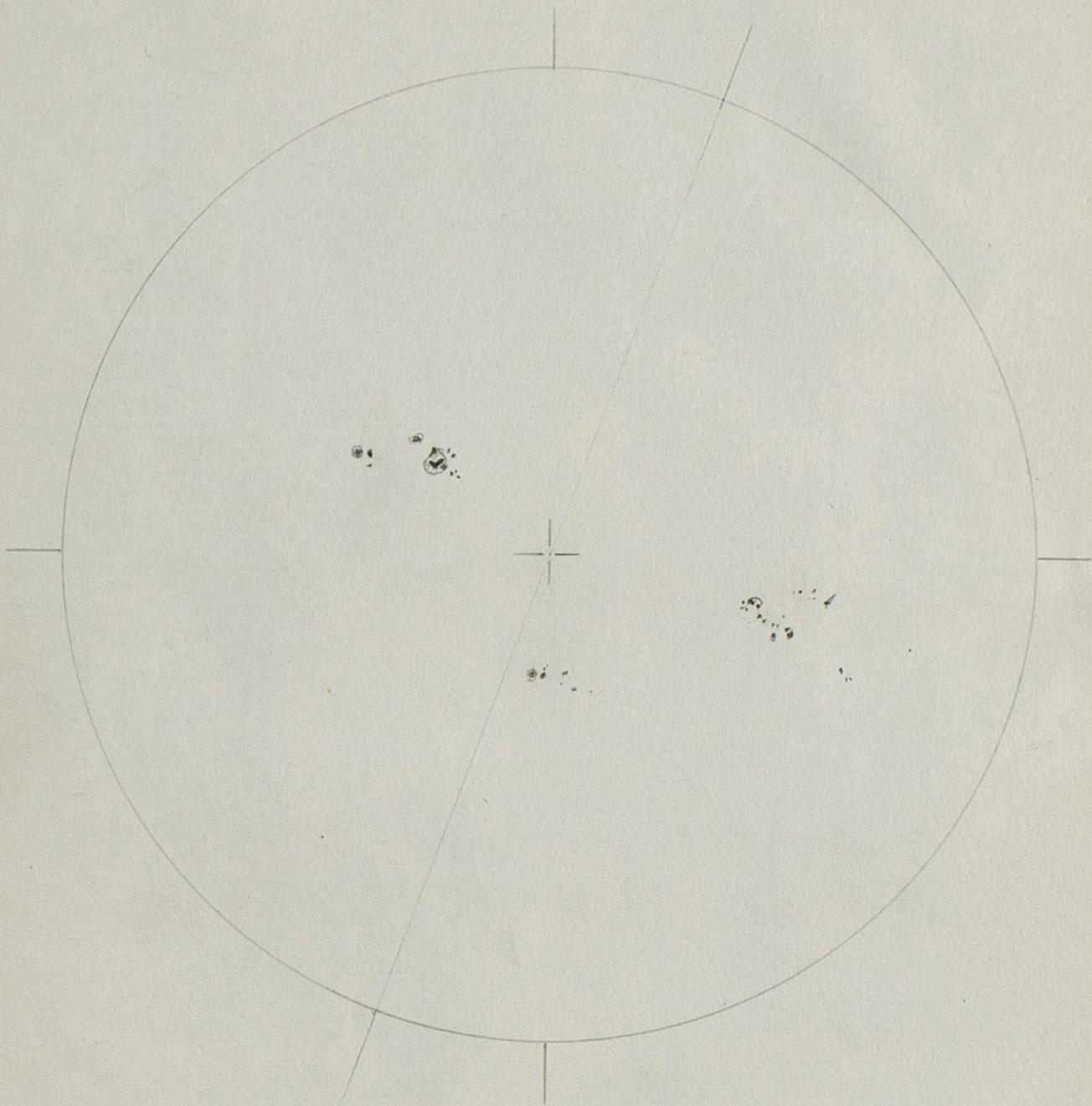
DATE: 1969: August 6

U.T.: 10 h. 35 m.

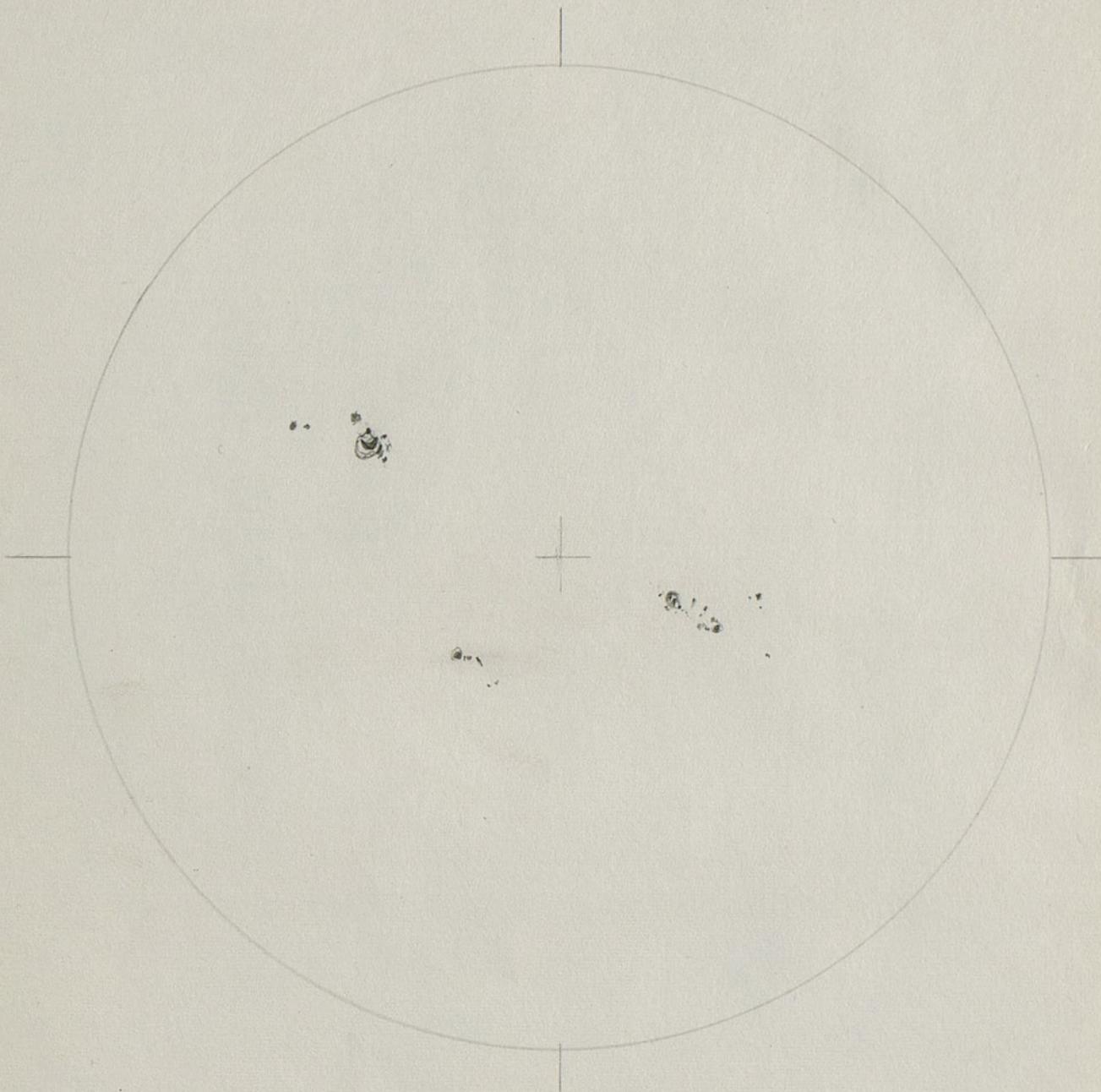
CONDITIONS: Fairly good



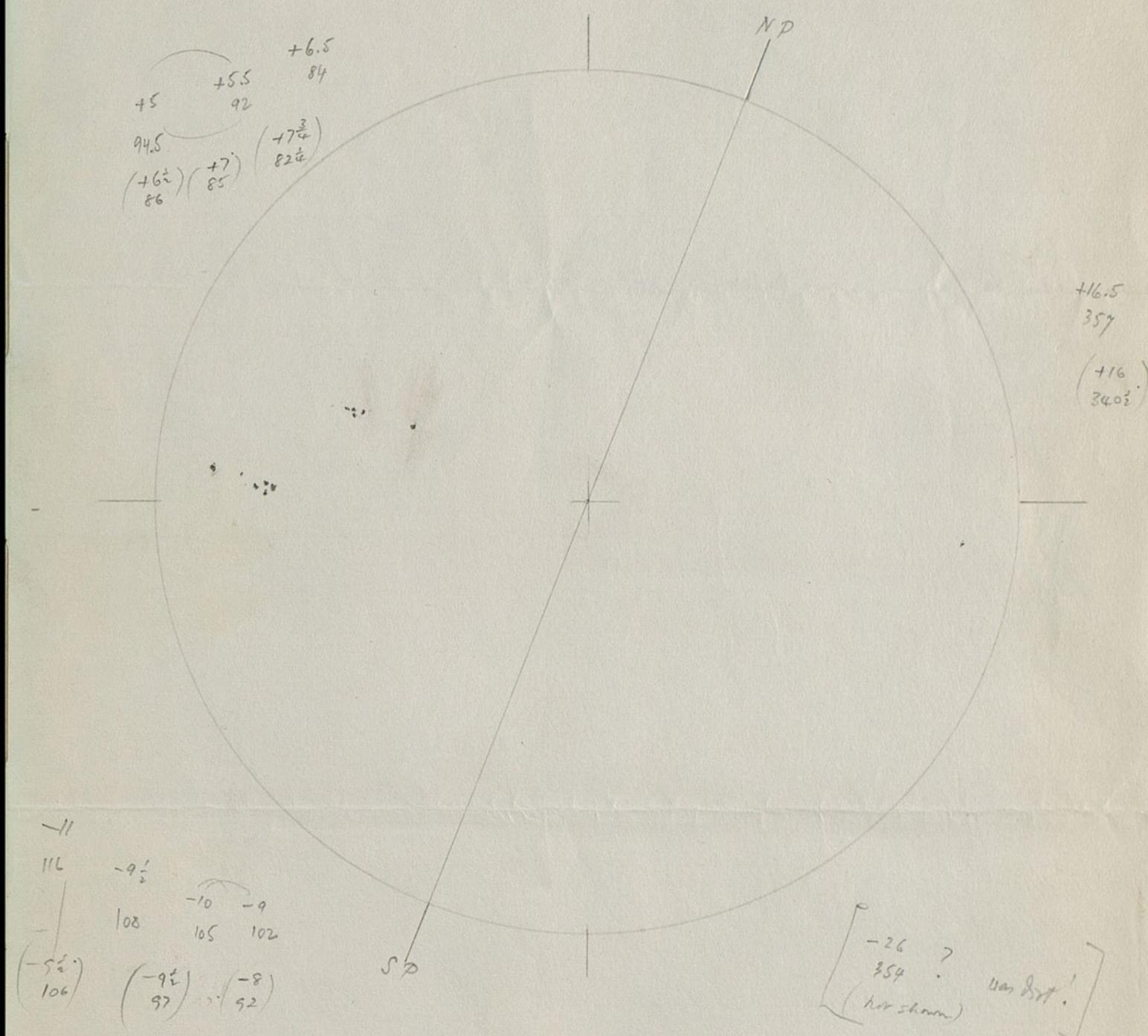
1969 Any 29
154 50 UT
par



1969 Aug. 30
12 - 12³⁰ UT
per



1969 Sept 3
845 UT
poor

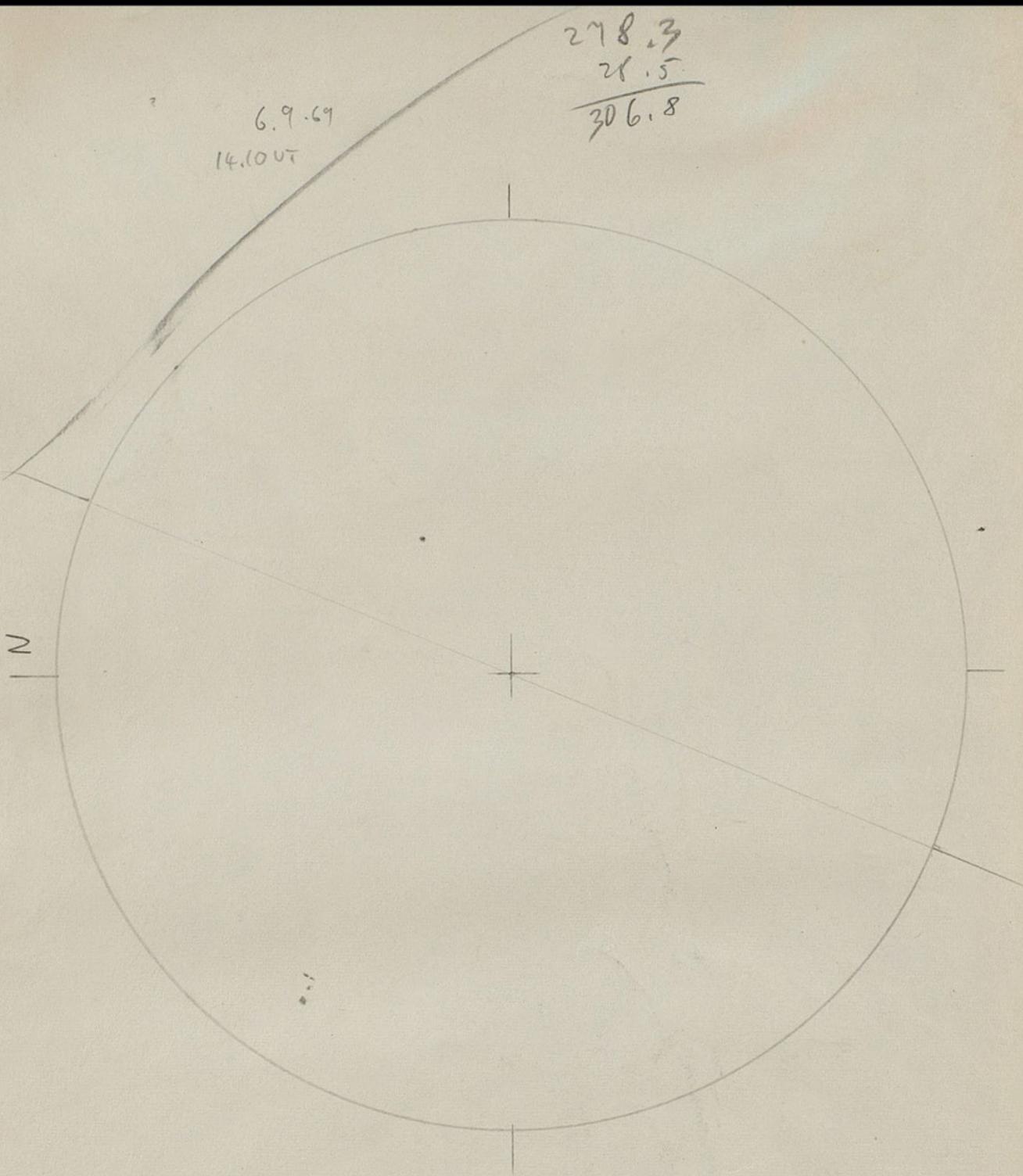


P +21.5

B_o +7.22

L_o 58.

(44.8)



6. 9. 69

13 UT

mod.
alt min

N

NP

+10
55
 $(+11\frac{1}{2})$
 60°

+11
49
 $(+13)$
 56°

+5
76
 $(+7)$
 80°

$\frac{1}{2} 21\frac{1}{2}$
 344
 $\frac{1}{2} 33\frac{1}{2}$
 337

$\frac{1}{2} 22\frac{1}{2}$
 344
 $(+21)$
 335

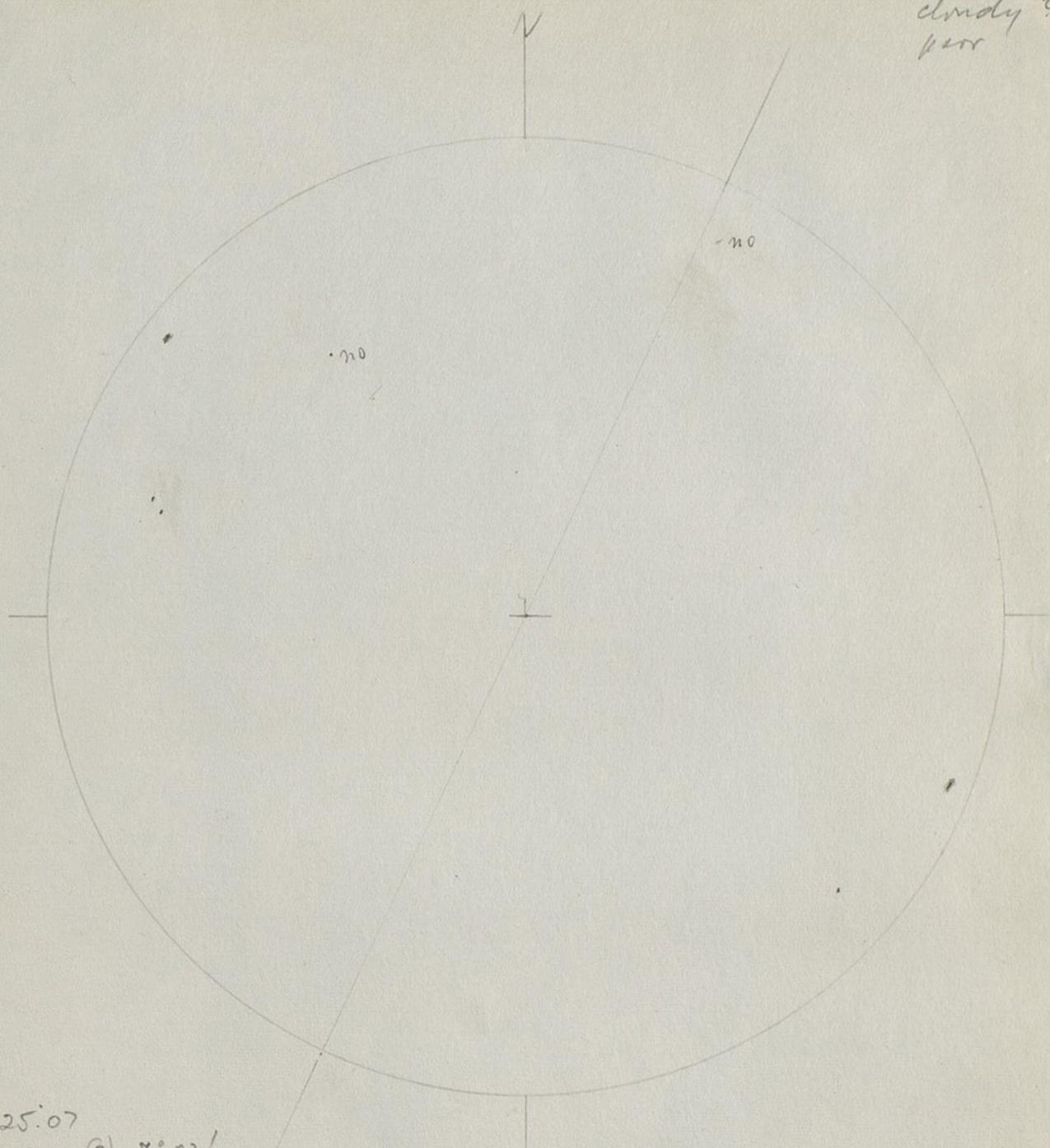
SP

$\frac{1}{2}$
 $56^{\circ} E$
 $= 107; 307$

$P = +22.4$
 $B_0 = +7.3$
 $L_0 = 2.9$

21.9.69
1045 - 1055

cloudy ? incomplete
perr



$$P = +25^{\circ}07'$$

$$B_0 = +7^{\circ}07' (?) \quad \underline{7^{\circ}03'}$$

$$L_0 = 166.0$$

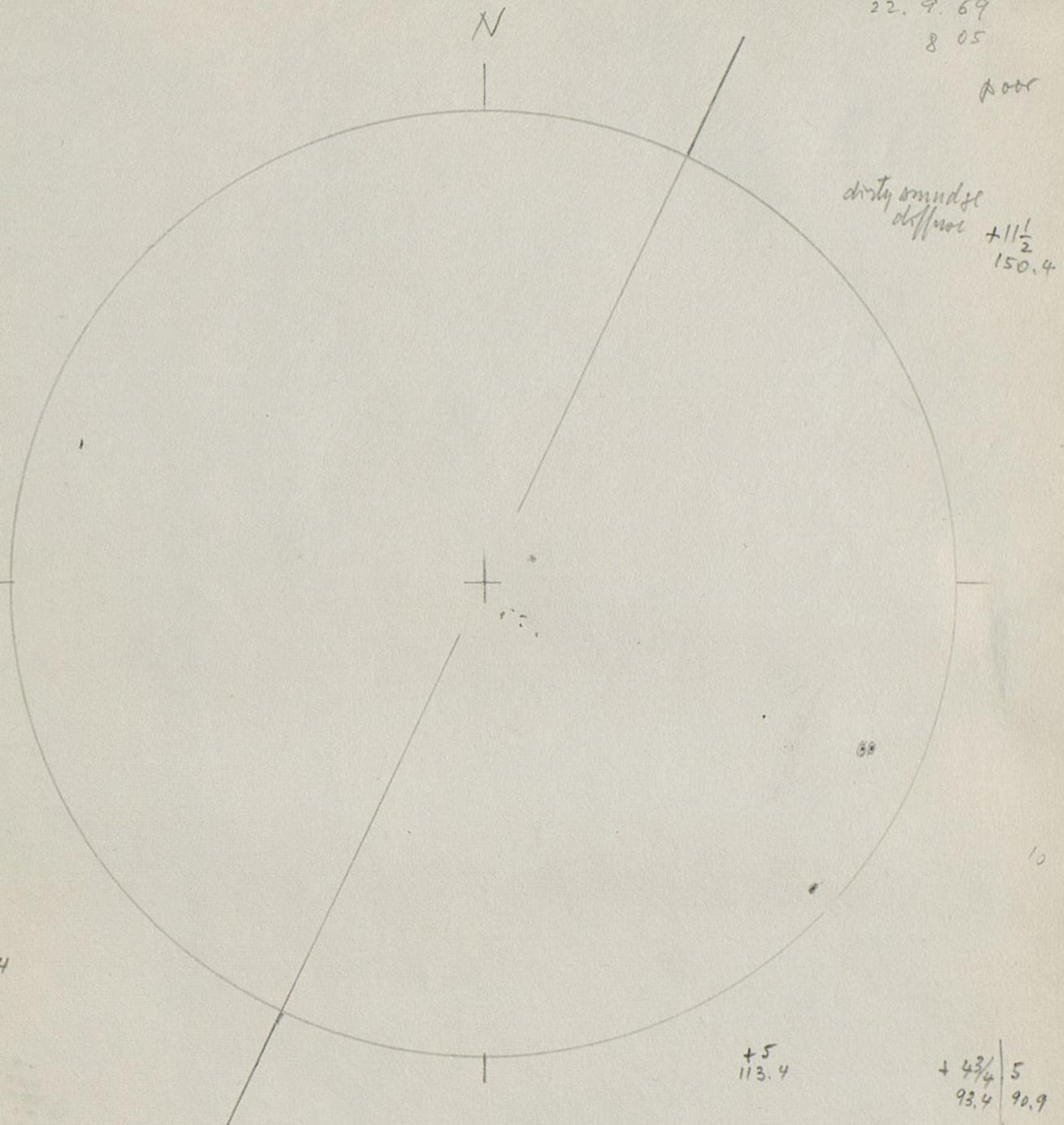
+14 $\frac{1}{2}$

23 $\frac{1}{2}$

-1 $\frac{3}{4}$ -2 $\frac{3}{4}$
220 217

+5 $\frac{1}{2}$
93'?

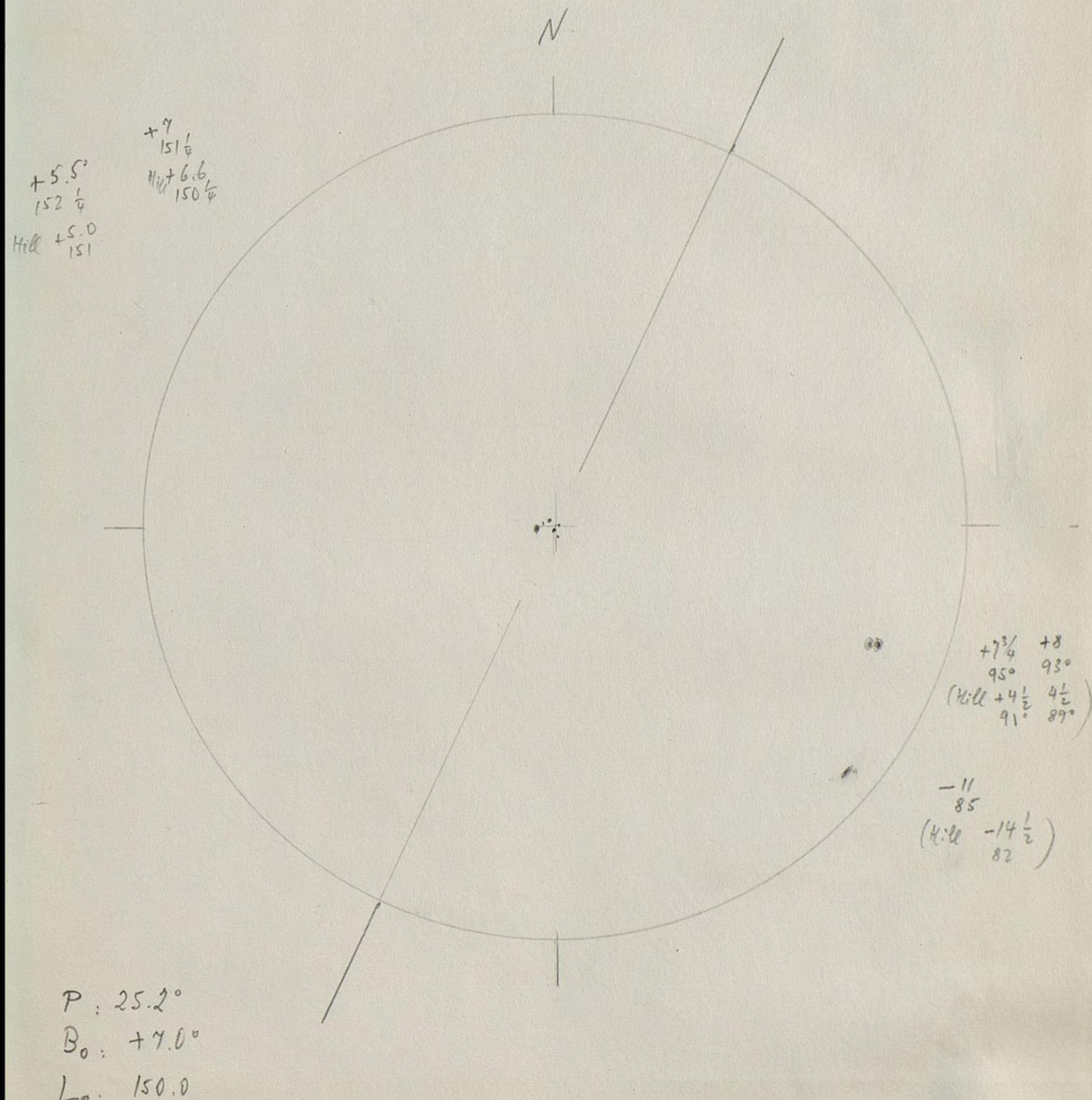
-10'
108'



22.9.69

16 hrs

Amer - m.



$+5\frac{1}{4}$ $+5$
 140° $105\frac{1}{2}$
 $+10$
 65

$+4\frac{1}{2}$ $+4\frac{1}{2}$
 91° 89

$-14\frac{1}{2}$ ~~82°~~
 82°

Central group.

$+6.6$
 $150\frac{1}{4}$
 $\textcircled{1}$
~~5.0~~
 151°
 $+4.5^\circ$ $+4^\circ 0$
 $148\frac{1}{2}$ $145\frac{1}{4}$
mudge $+13\frac{1}{2}$
 149°

Kandla port 22.9.69

Lo 150.7

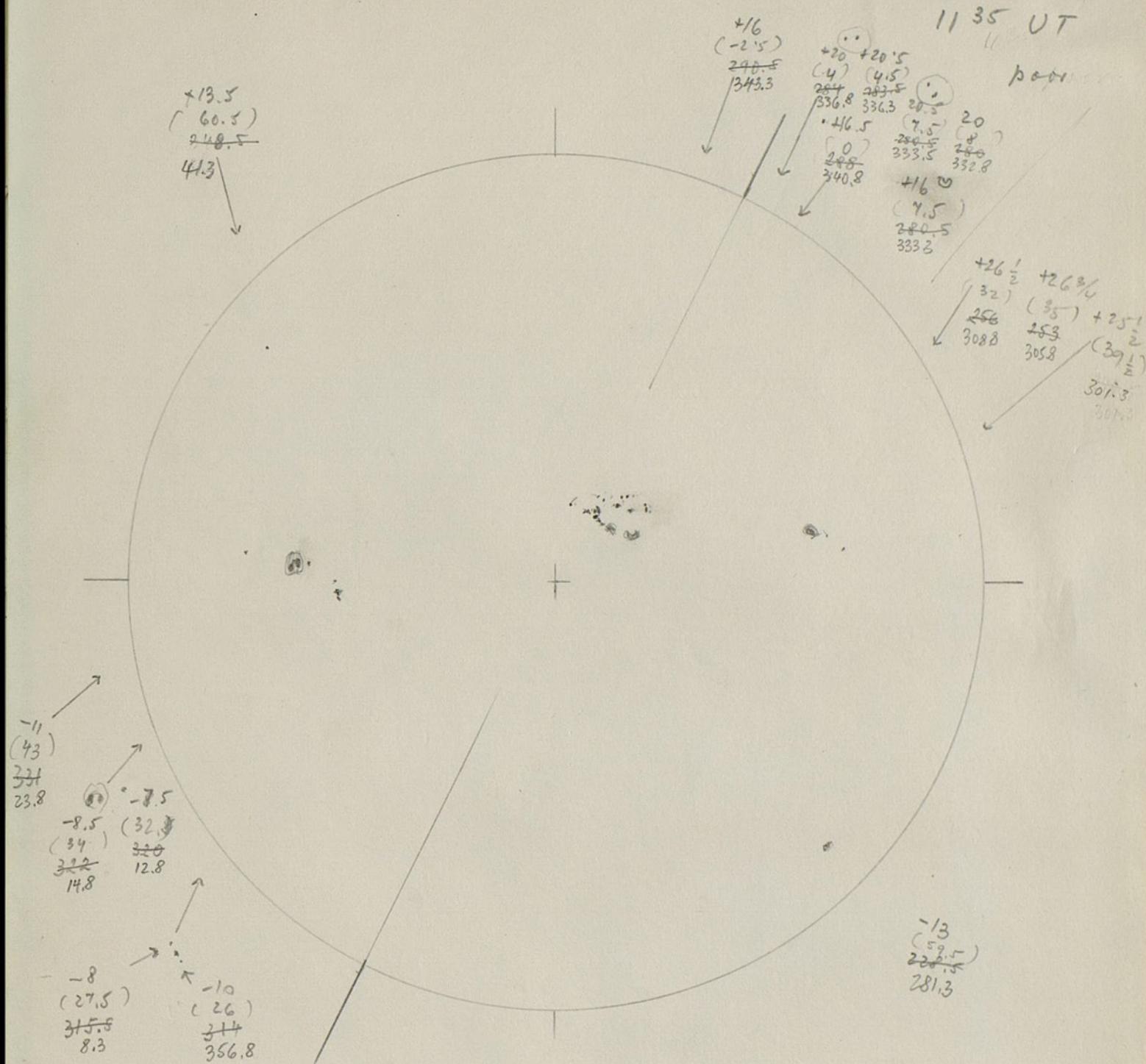
1435 UT.

Raf 1553

1969 Oct 5

11 35 UT

b0.01



P 26.22

B₀ 6.46

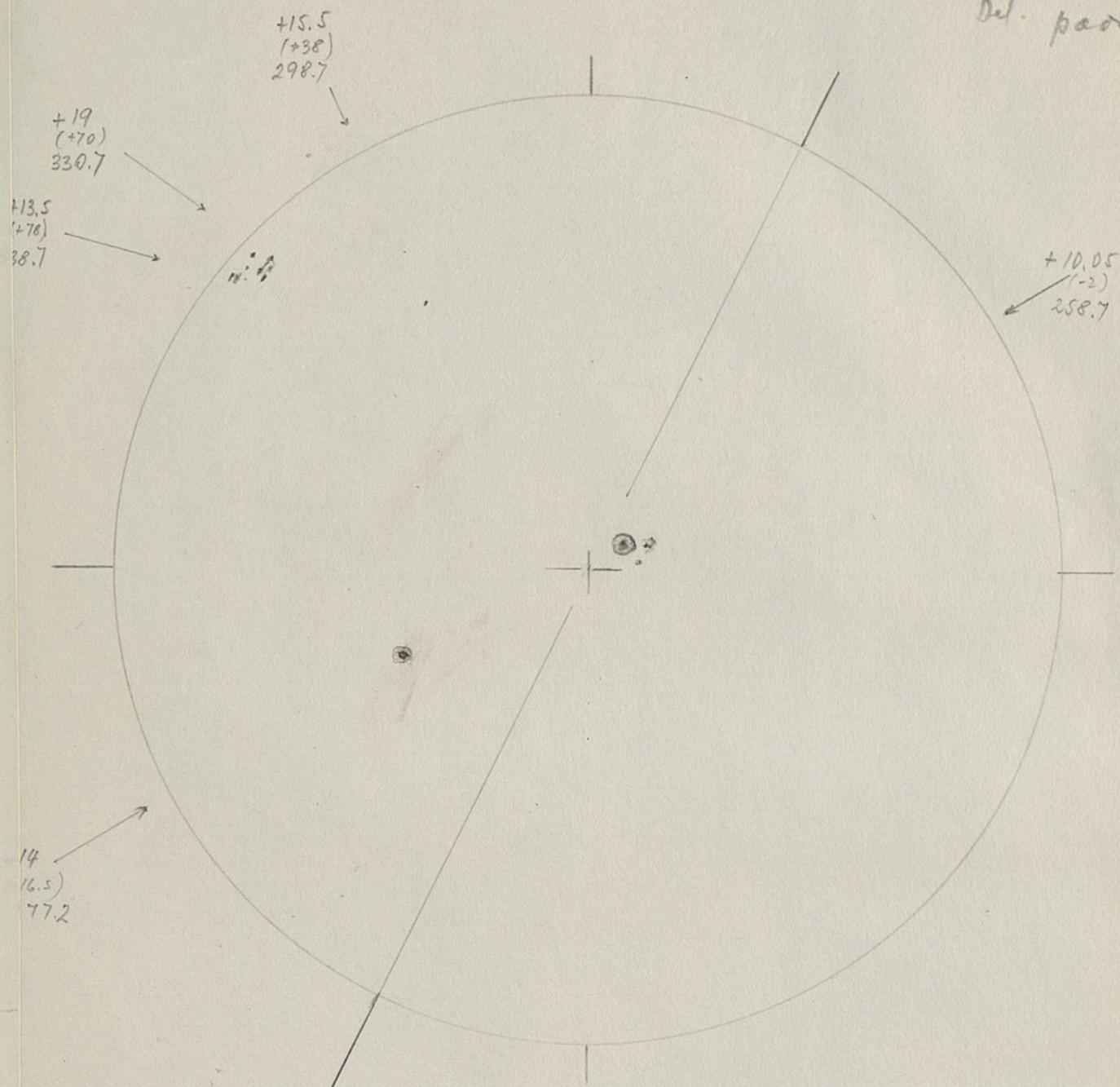
L₀ ~~288.0~~ 340.8

Rot 1553

11. 10. 69

133°

Def. par



P +26,3

B. +6.07

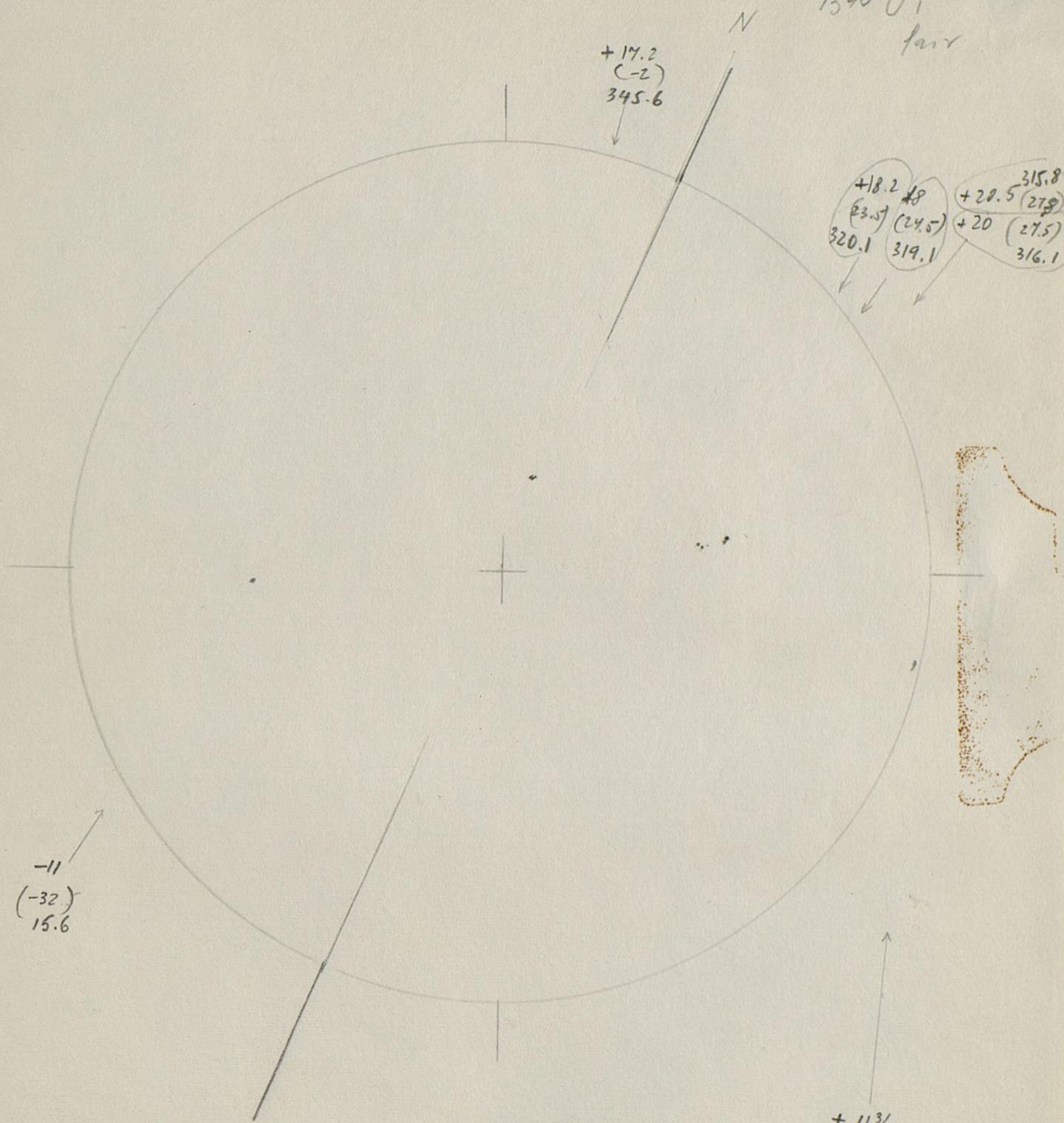
L. 260,7

Rot 1554

17 Nov 1969

1340 UT

fair



P: +24.5

B₀: +4.3

L₀: 343.6

Rot. 1554

+16
(-11.5)
342.8

+18.5
(-8.5)
339.8

+19.5
(-3)
334.3

2 Nov 69

12 UT

Near
windy

+17.5

(10)
321.3

+20 (16.5)
314.8

+19.5 (16.5)
314.8

-11
(-43)
14.6

+11.5
(65)
264.3

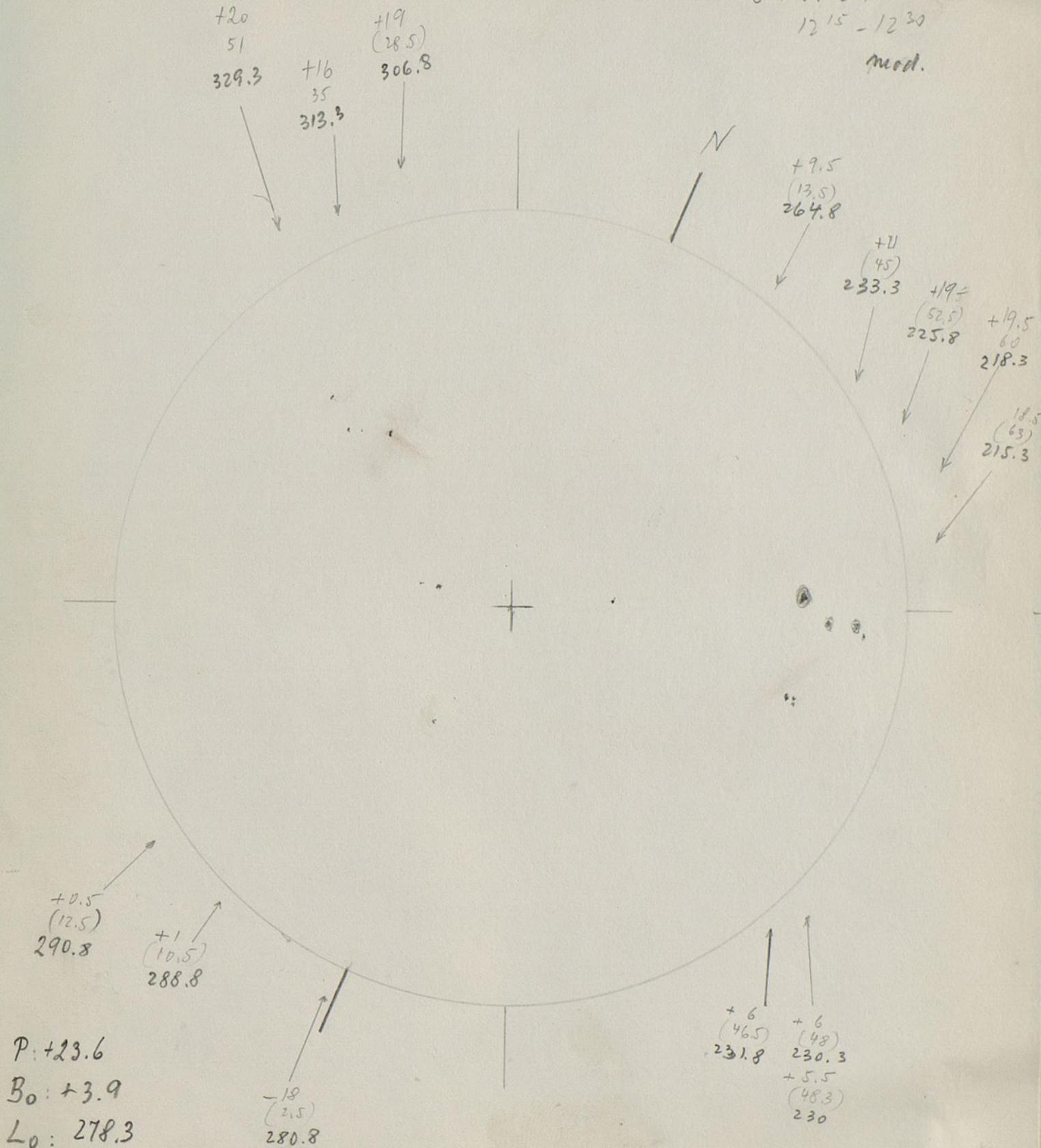
$$P = +24.3$$

$$B_0 = +4.2$$

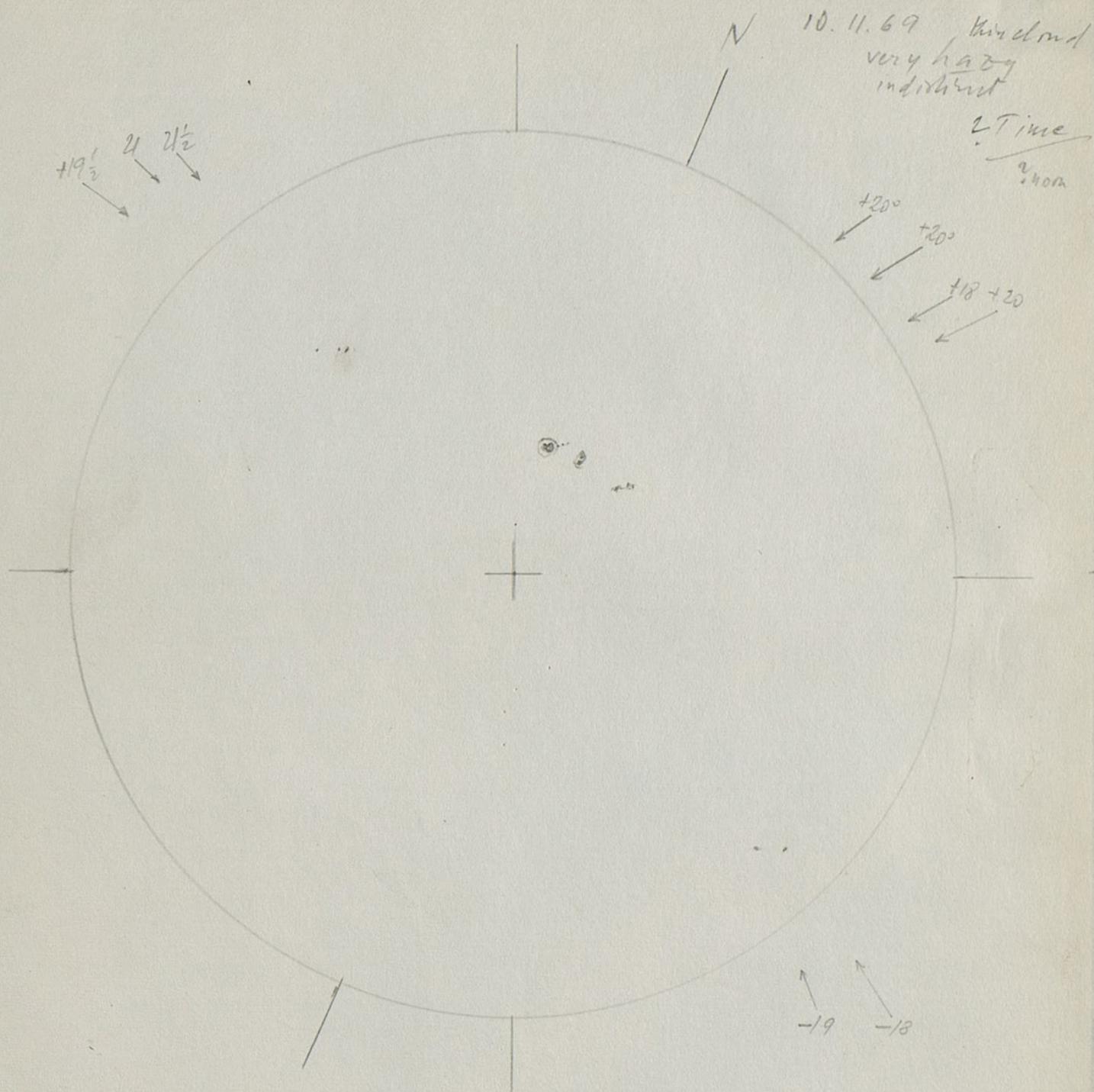
$$L = 331.3$$

Rat 1554

6 Nov 69
12:15 - 12:30
mod.



Rot 1554

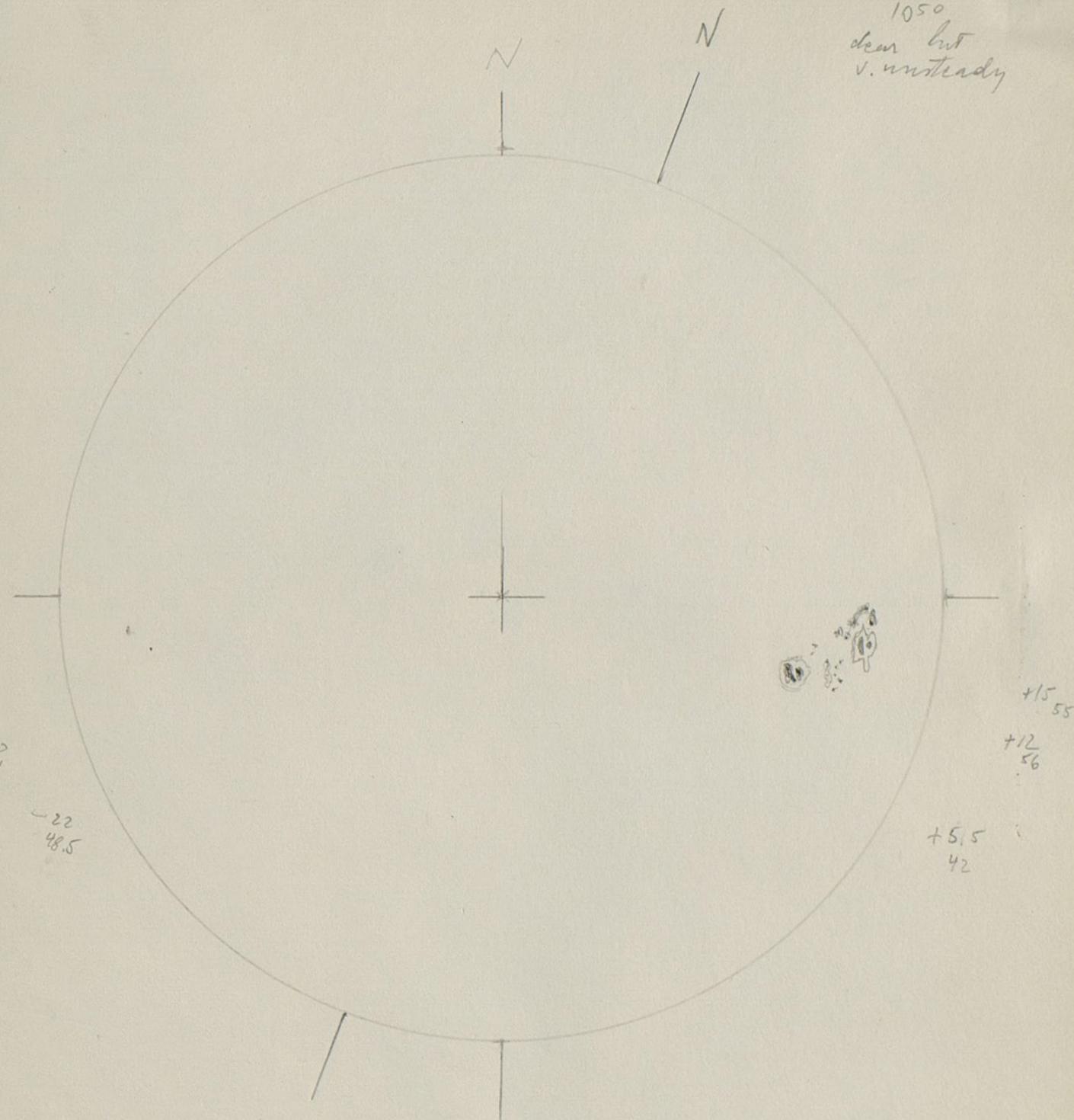


P: +22.7
B₀: +3.3
L₀: ? 225.8

Rot 1554

17. 11. 69

1050
clear but
v. unsteady



P: +20.8°

B₀: +2.5°

L₀ 134.1

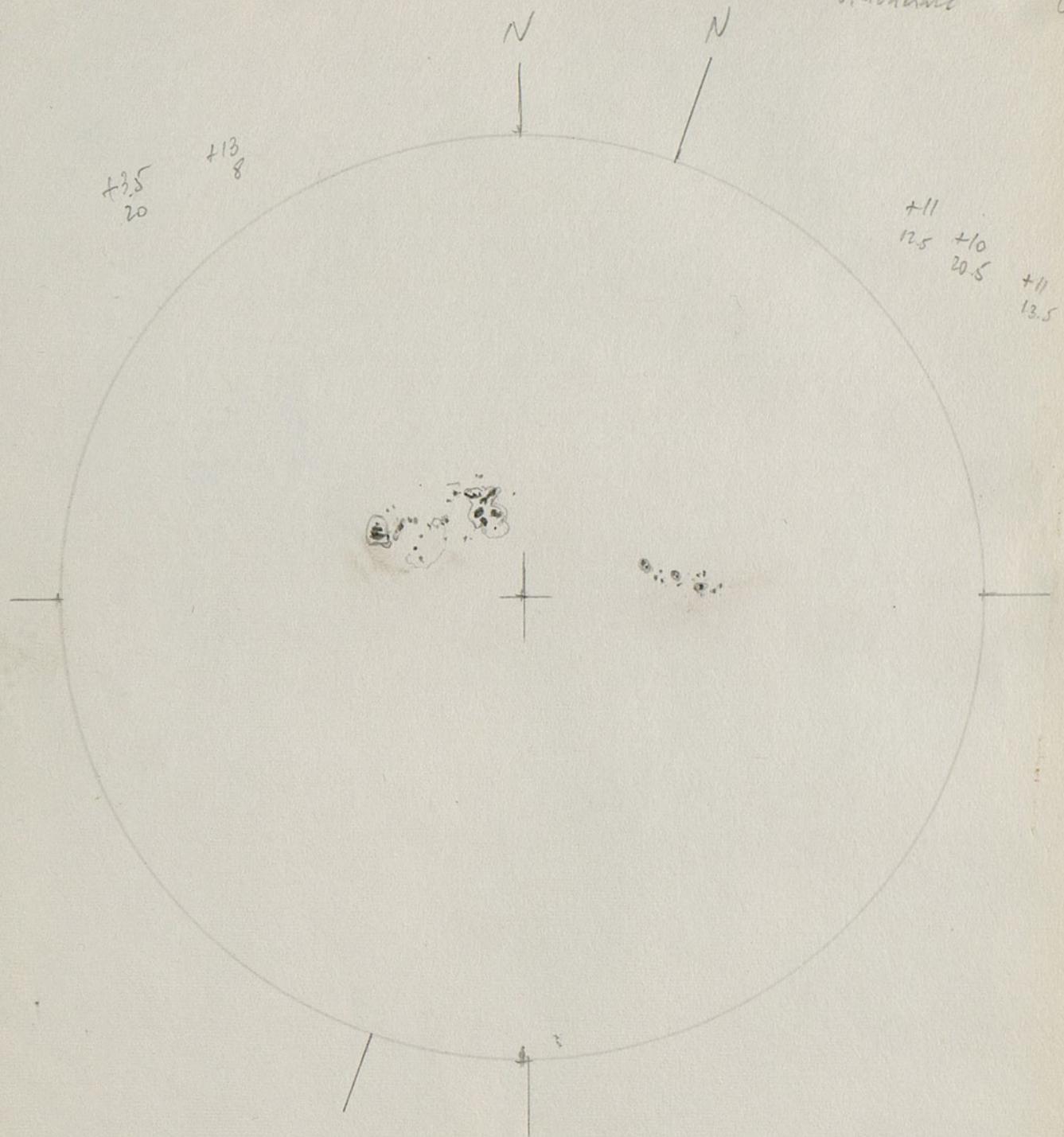
Raf 1554.

22. Nov 69

1-115

v. moderate

U $\frac{1}{T}$



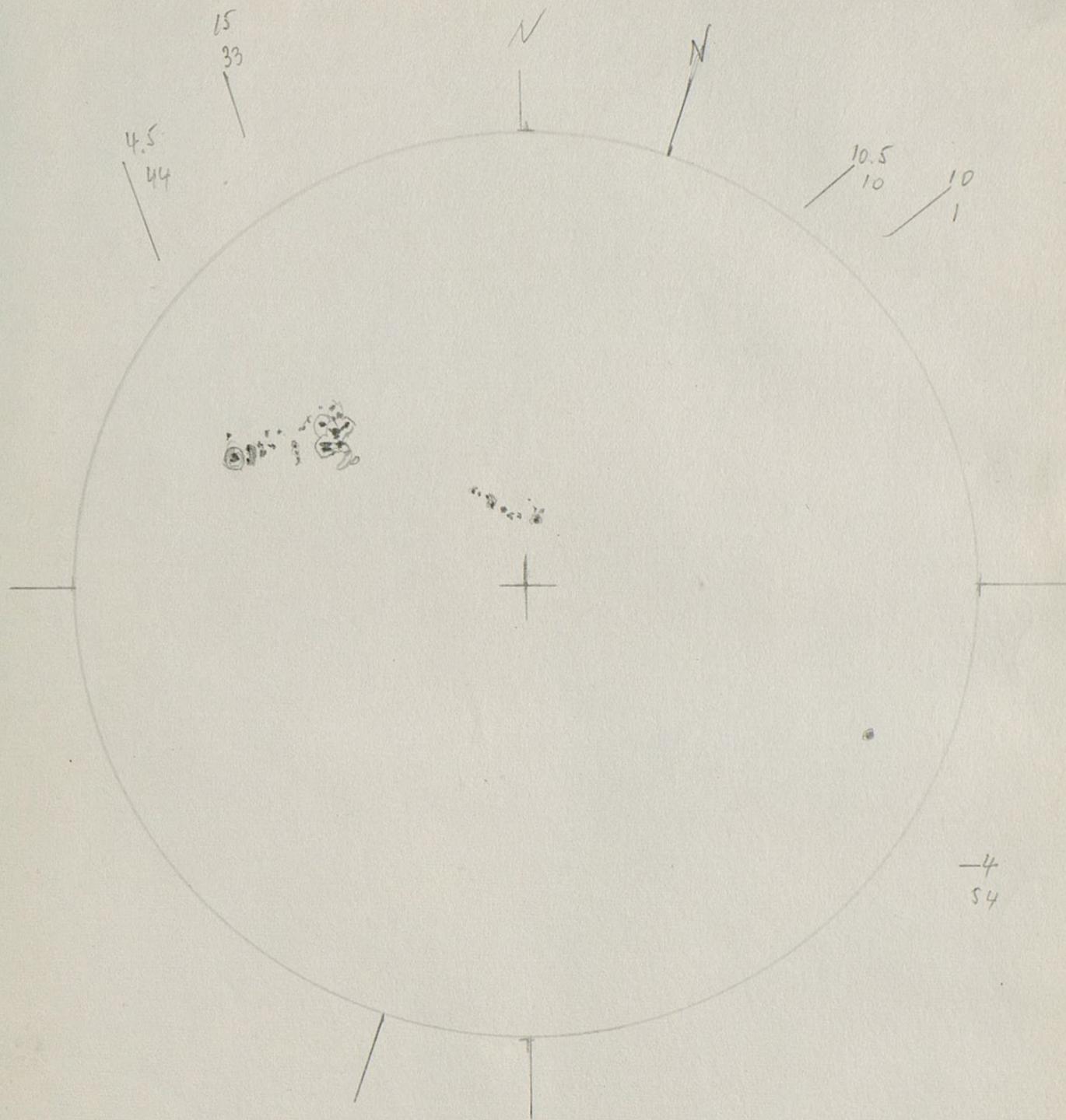
P: 19.6

B₀: +2.0

L₀ 67.0

Rot 1554

24.11.69
per day
noon UT



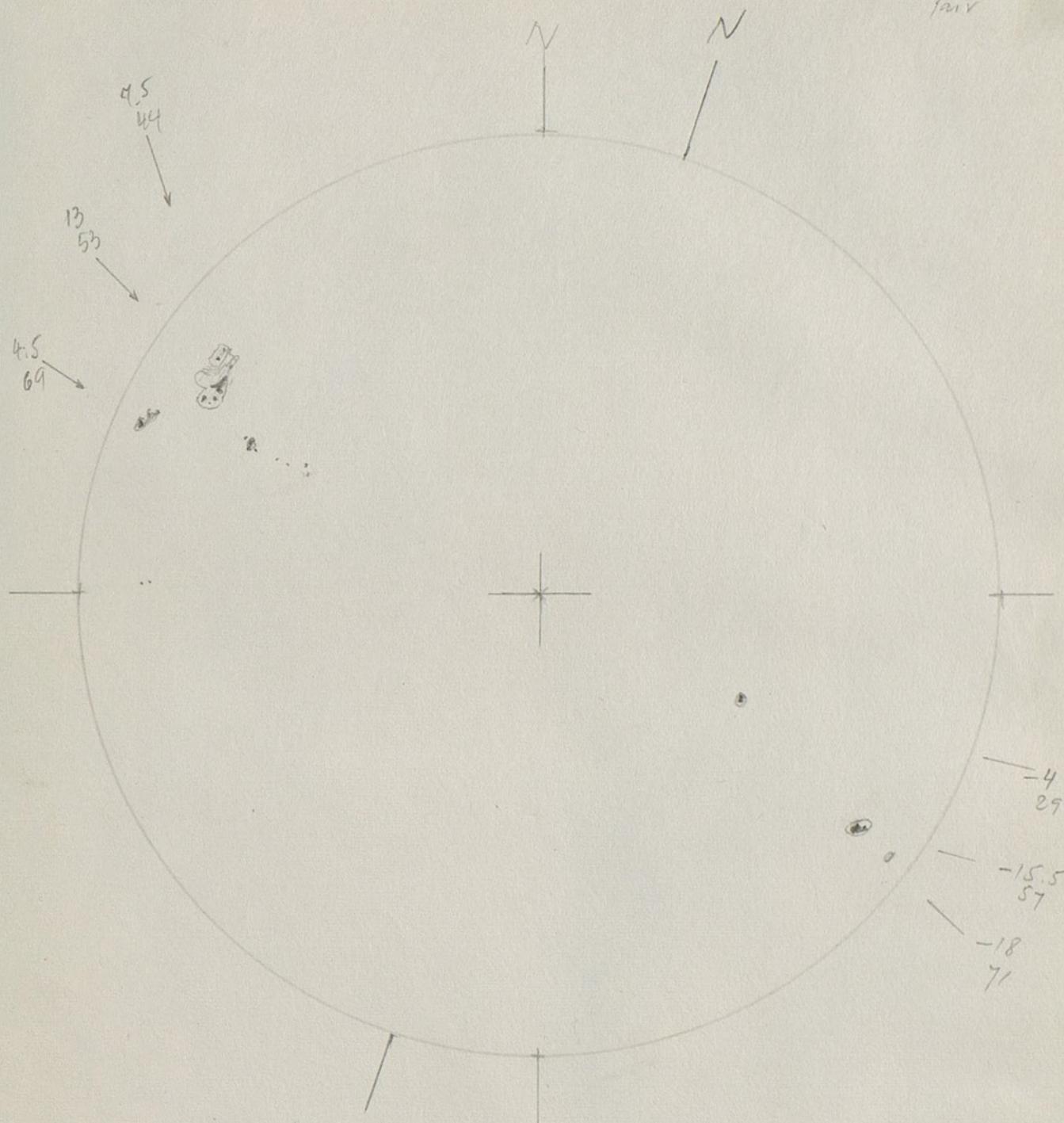
$$P + 18.55$$

$$B_0 + 1.6^\circ$$

$$L_0 \quad 41.3$$

Rat 1854

26.11.69
9~~45~~ 45 UT
Fair



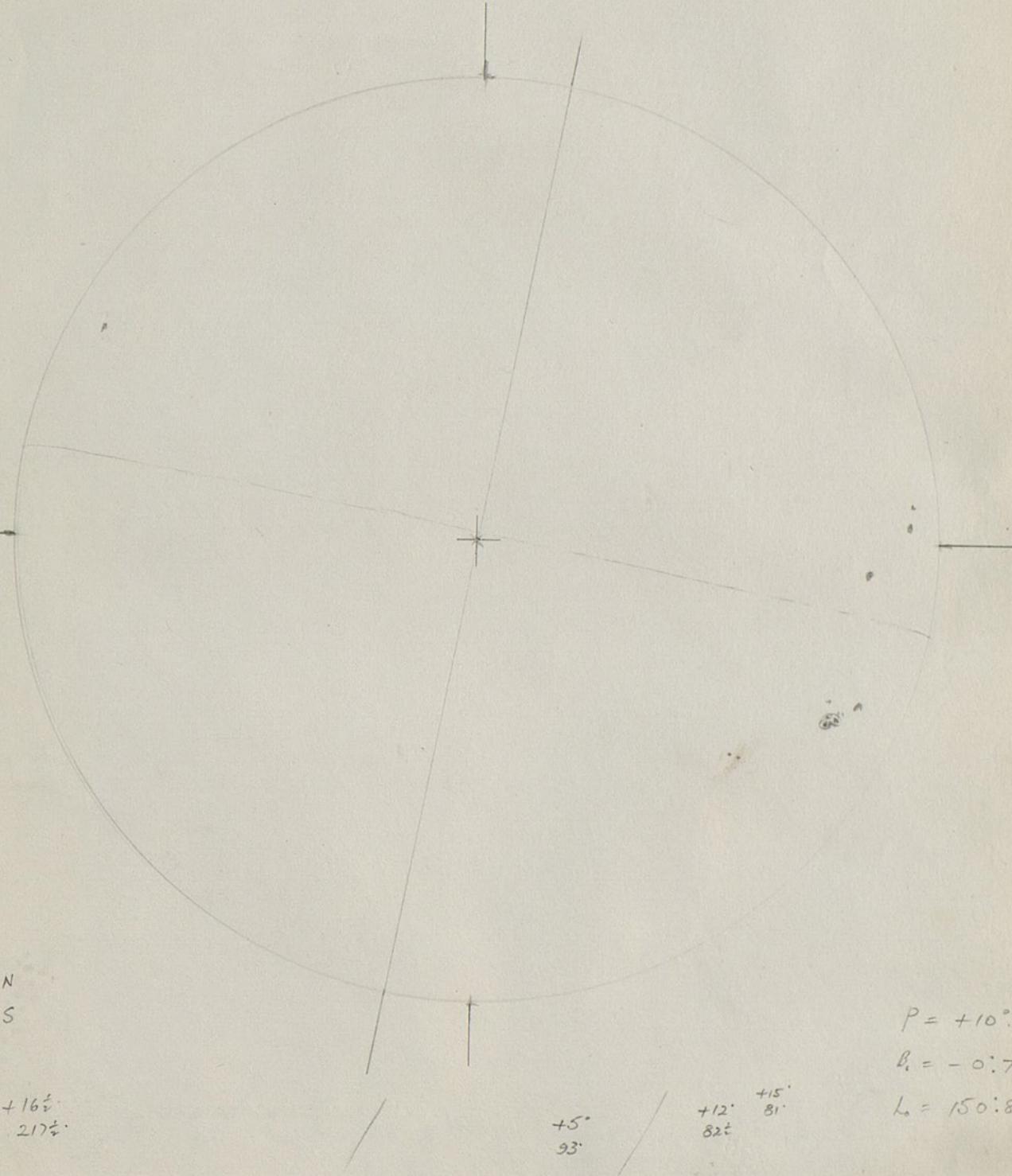
P : +17.9

B₀ : +1.4

L₀ 16.1

S.R. 1555

13.12.69
12⁵
west windy

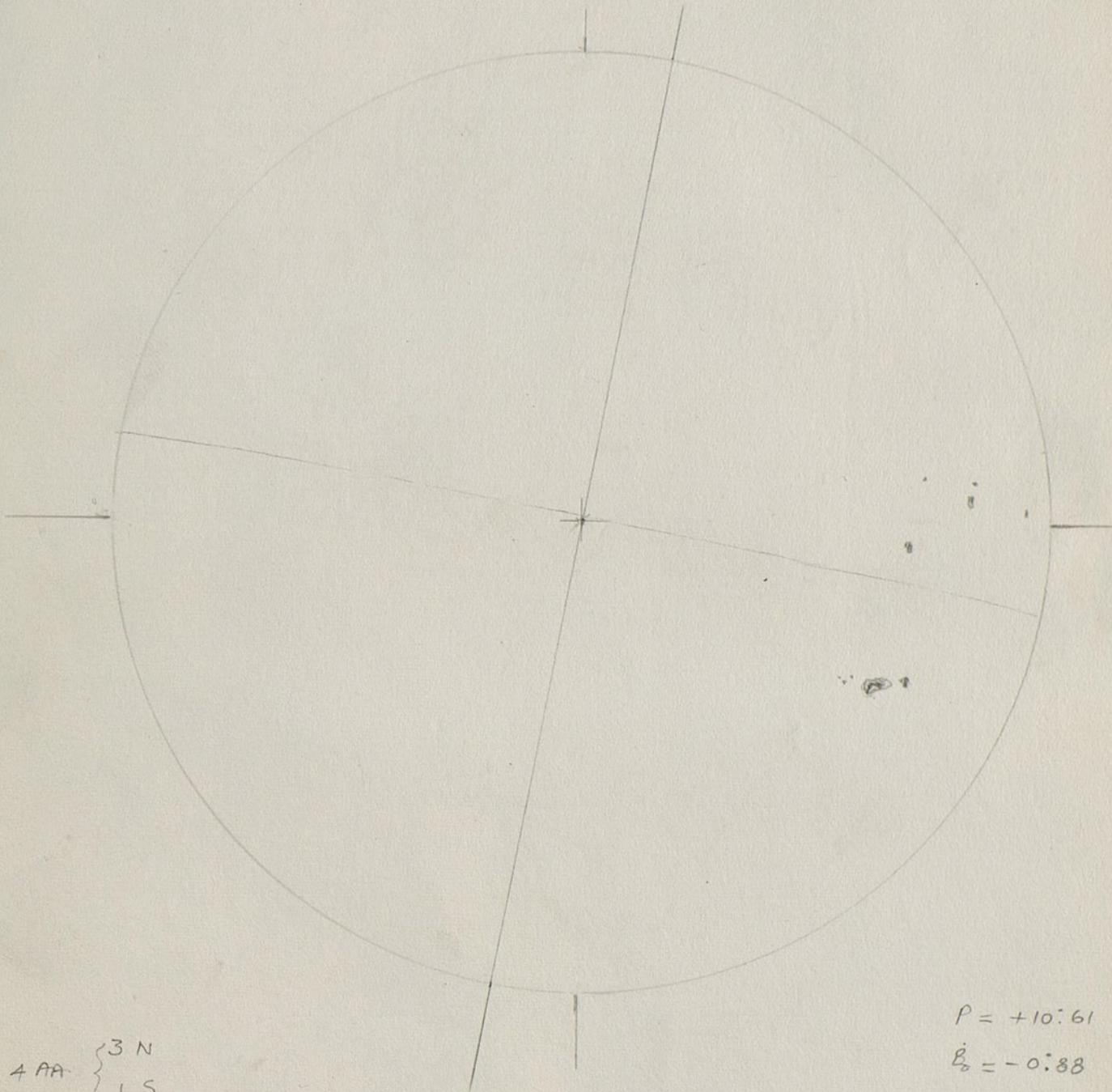


S.R. 1555

14.12.69

12.VT

per recing
incomplete



4 AA. { 3 N
1 S

$$P = +10:61$$

$$\dot{B}_o = -0:88$$

$$L_o = 137:7$$

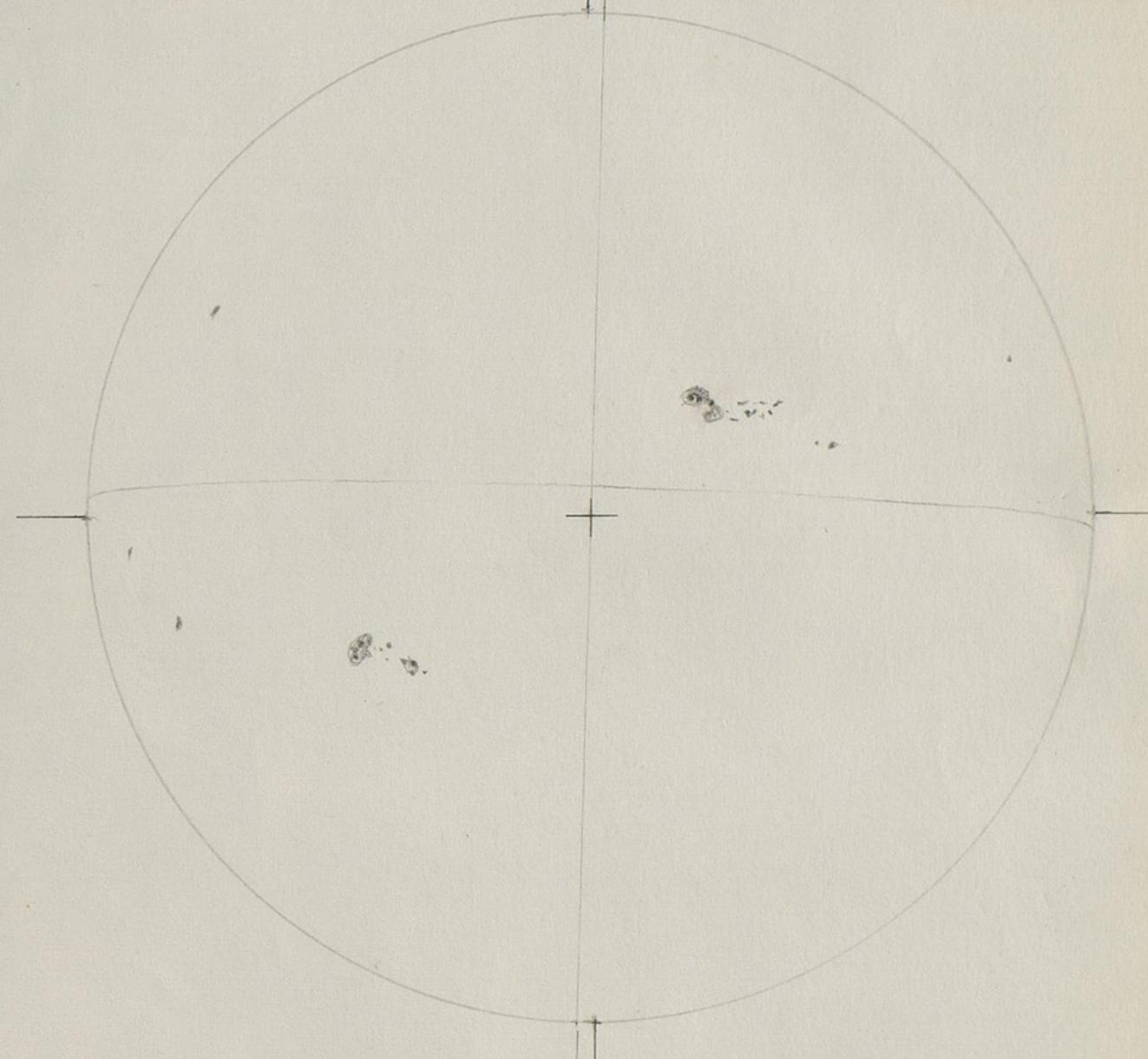
Measured star positions:

+ 4 $\frac{1}{2}$.
93 $\frac{1}{2}$.
+ 12 $\frac{1}{2}$.
92.
+ 11 $\frac{1}{2}$.
83.
+ 13 $\frac{1}{2}$.
82.
+ 11 $\frac{1}{2}$.
67 $\frac{1}{2}$.

S.R. 1556

N

1970 12th Jan
1145 UT
interrupted by long
periods of rain, but
short moments.



{ 4 N
3 S

$$P = +1.97$$

$$B_0 = -3.09$$

$$\lambda_0 = 260.7$$

+20°
314°
2x mean

+11°
248° to 238°

+6° +6°
234° 232°

+18°
200°

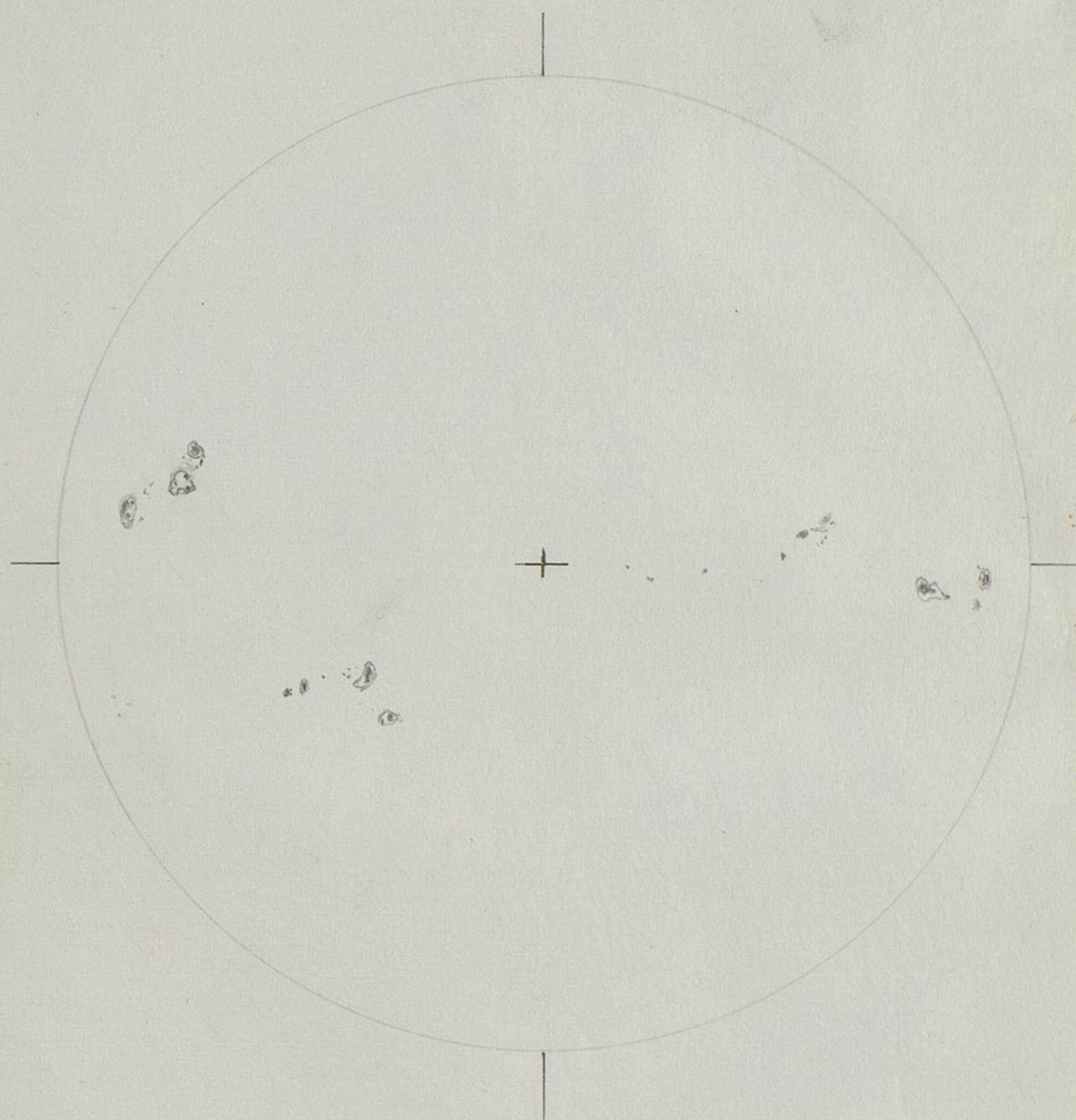
-7°
327°

-15°
318°

mean of
large leaders

-19° -20° -21° f
280° 280°

14. Feb 1970
1230 - 1250 UT

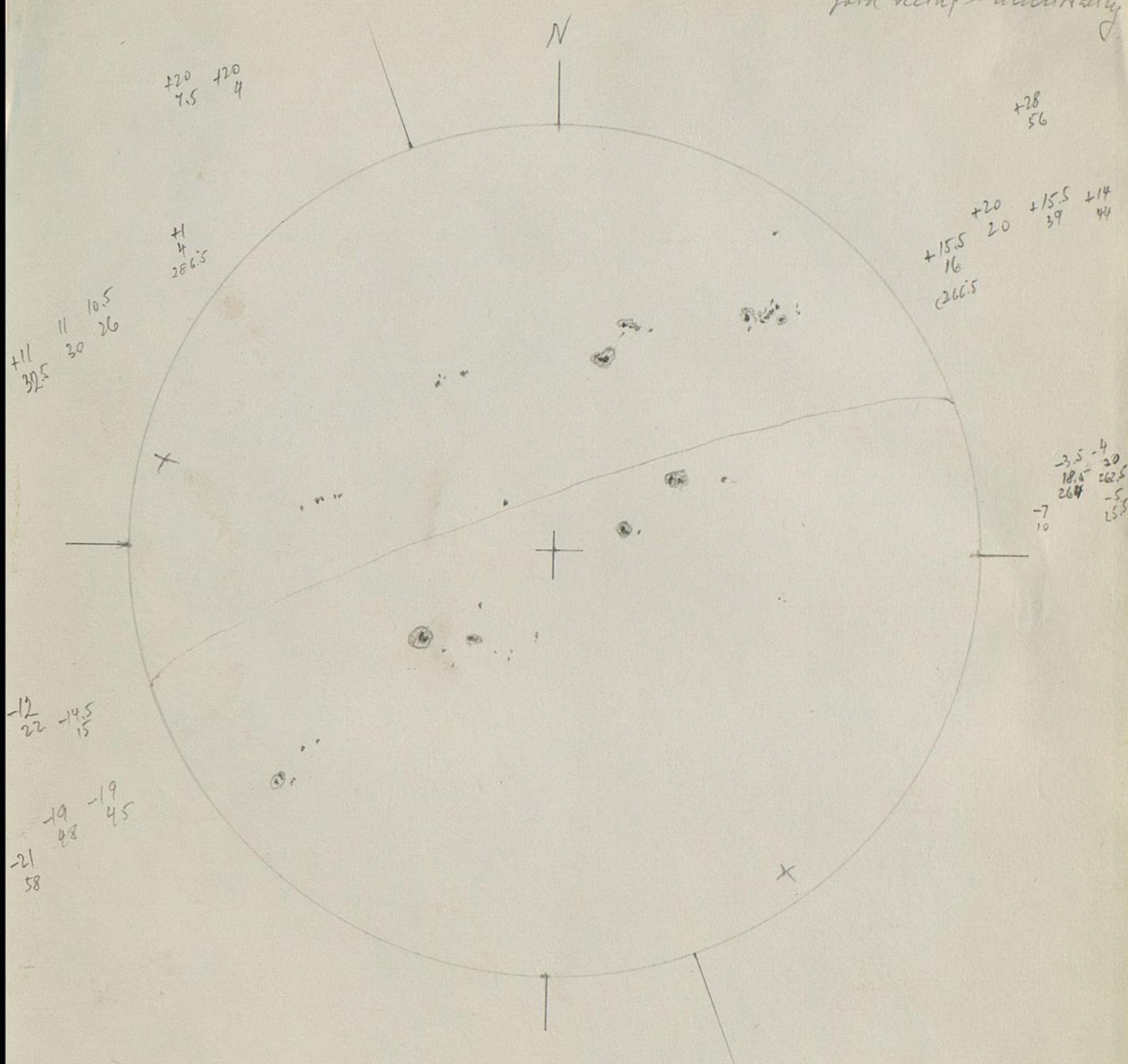


Rat No 1558

23.2.70

12²⁰ - 12³⁰ UT

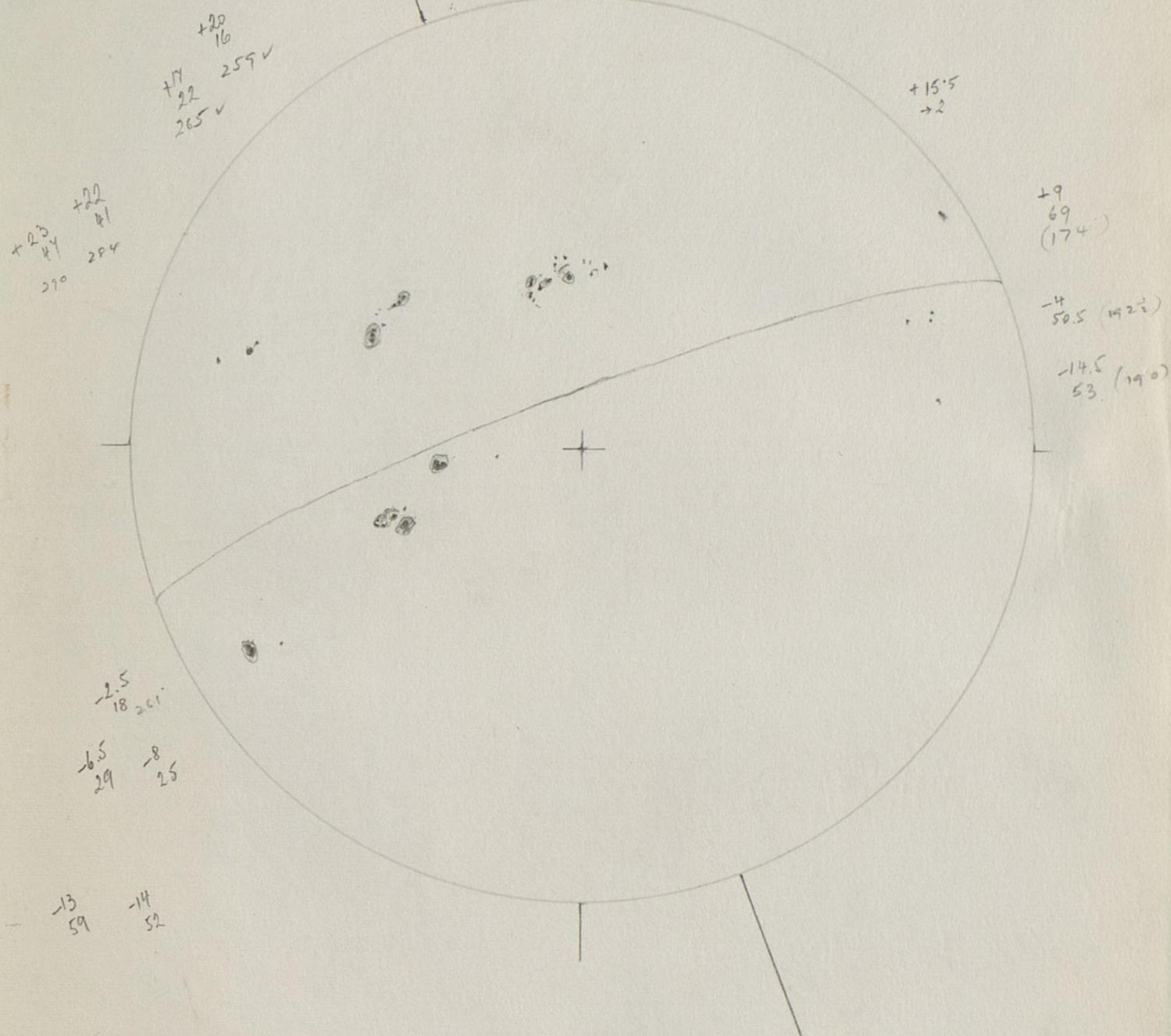
ganz sechs - deteriorating



P - 20.1
B₀ - 7.1
L₀ 182.5

Rot No 1558

26.2.70
12¹⁵ U.T
hazy but fairly
calm day



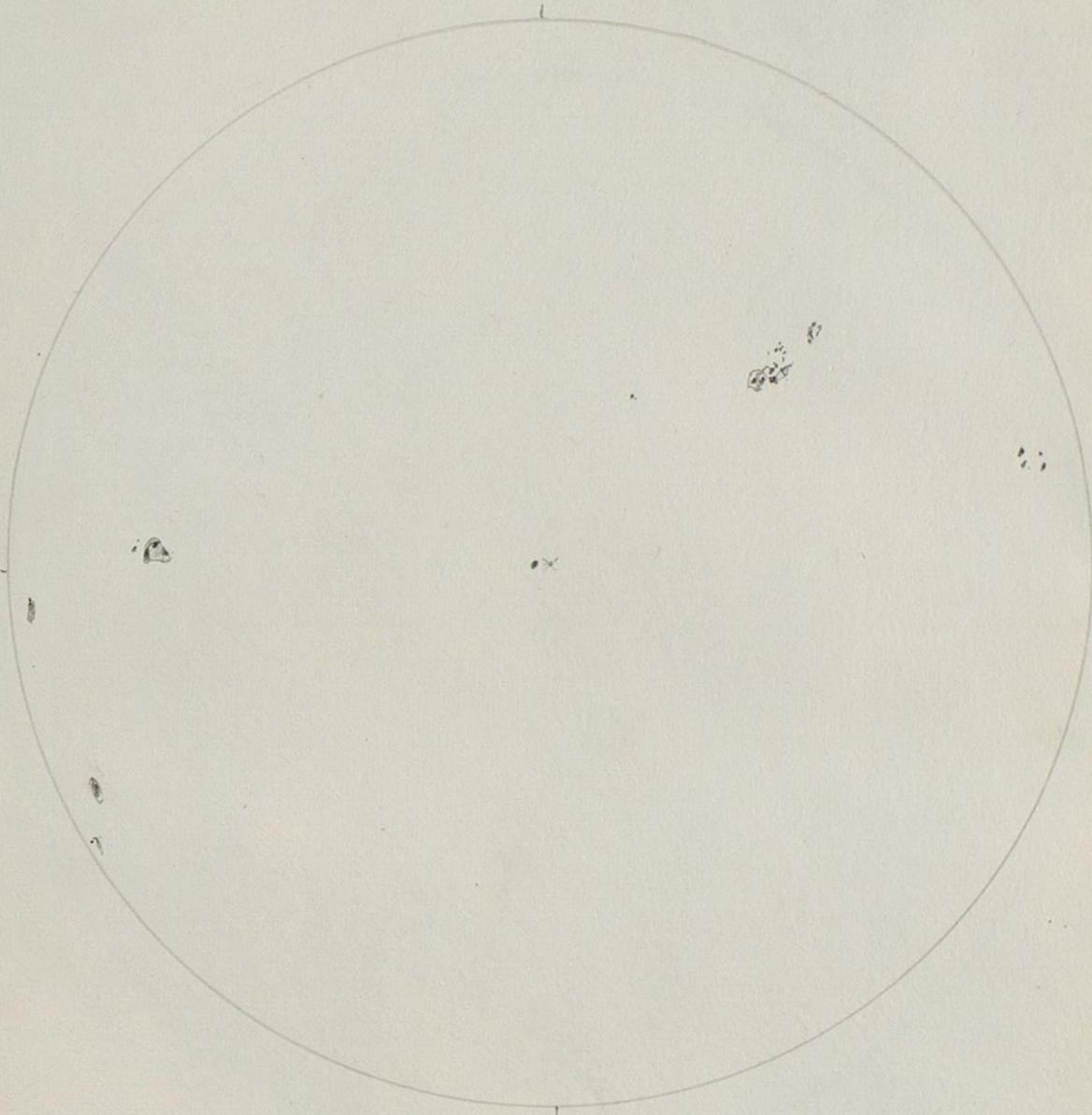
P: -20.8

B₀: -7.2

L₀ 243.1

2.3.70 1230

~1245 cloud inter
fair



B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: March 5th 1940

U.T.: 12 h. 5 m.

CONDITIONS: Partly, interruption
by cloud

N

S

W

E

 -6°
 190° -16° -15°
 (205°) 196° $+18^{\circ}$

? wrong square

$P = -22.57$

$Bo = -7.25$

$Lo = 151.0$

NAME: _____

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 1970 March 7

U.T.: 11 h. 40 m.

CONDITIONS: moderate. seconds of
better seeing

N

W

E

S

NAME:

$$P = -23^\circ 1$$

$$B_0 = +7^\circ 25$$

$$L_0 = 124^\circ 8$$

+17°
98.8

+12°
73°

	Jan 70		
	N	S	T
1	4	3	7
	Feb		
14	4	1	5
23	4	4	8
26	4	5	9
	Mar		
2	4	4	8
5	2	4	6
7	3	3	6
9			

10-018750-10-00101

SUS
S. O.
O. O.
O. O.
O. O.
O. O.
O. O.

10-018750-10-00101

SUS
S. O.
O. O.
O. O.
O. O.
O. O.
O. O.

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 1970 9th MarchU.T.: 12 h. 45 m.CONDITIONS: Hazy, getting cloudy

N

W

E

+

S

P =

Bo =

Lo =

NAME:

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 12. March 70

U.T.: 12 h. 45 m.

CONDITIONS: no haze, fair only

N

E

W

S

NAME:

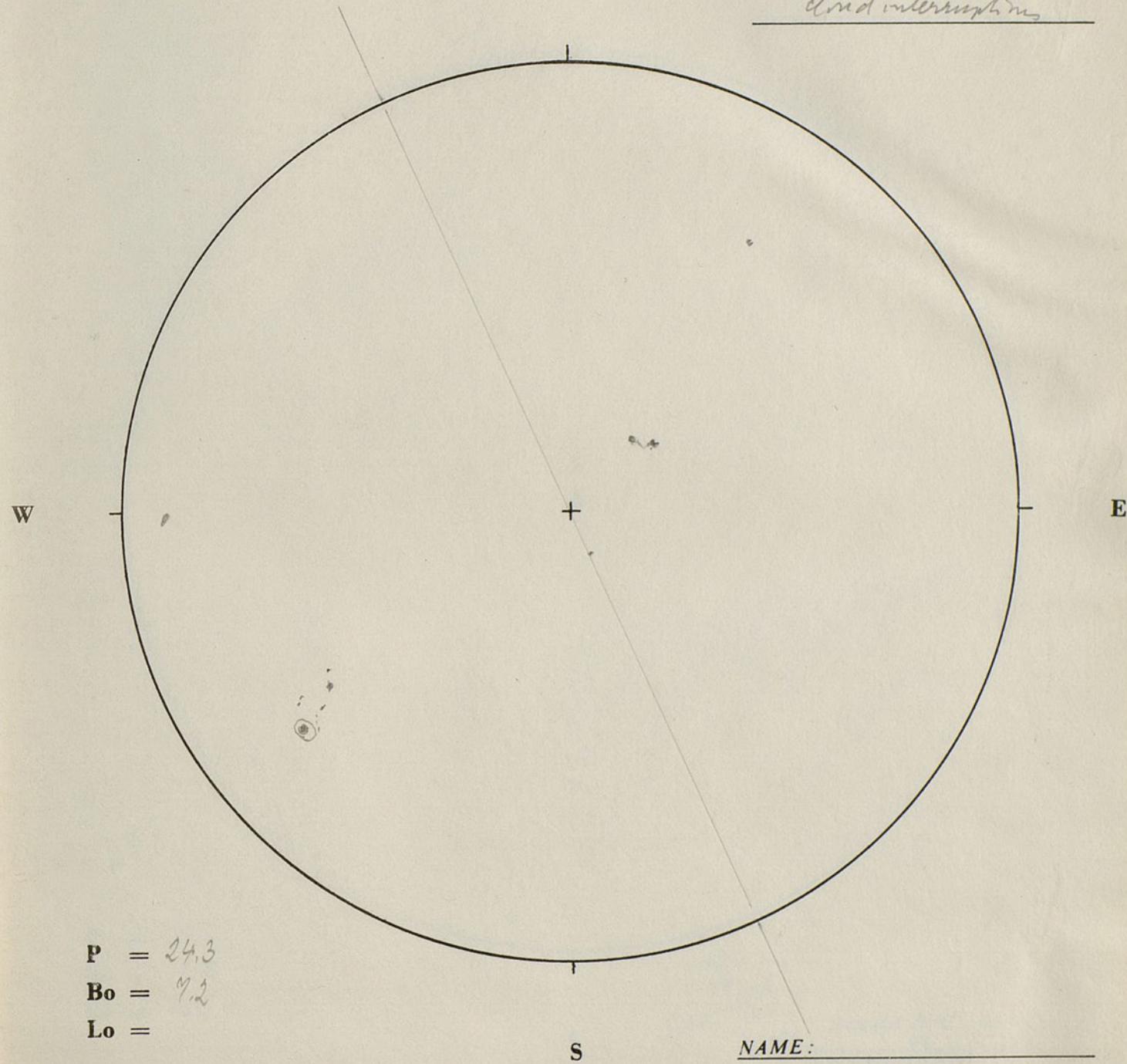
P =

Bo =

Lo =

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 14. 3. 70U.T.: 12 h. 30 m.

N

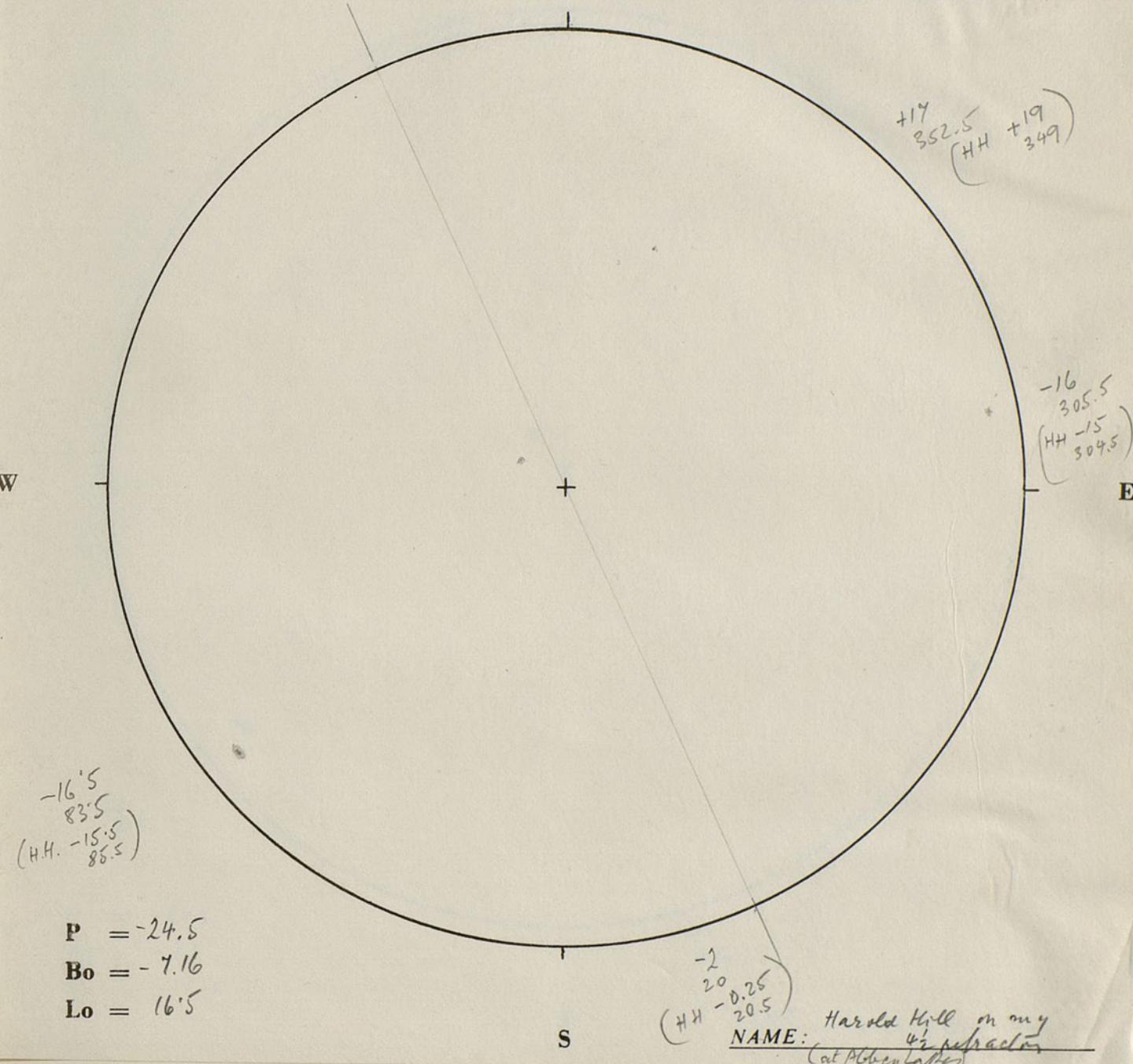
CONDITIONS: *atmosphere, boiling ++
cloud interruption*

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:

DATE: 1970 March 15

U.T.: 16 h. 55 m.

N

CONDITIONS: incomplete deer in the
way

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 15th March 1970U.T.: 11 h. 20 m.CONDITIONS: fair immuring

N

+

S

E

W

+20
93.5-12
80 1/2
-16
83.5 $P = -24.5$
 $B_0 = -7.2$
 $L_0 = -19.6$ +17
351.5-16
305 1/2-1 1/2
203/4
-3 1/2
17 1/4NAME:

B.A.A. SOLAR SECTION

INSTRUMENT :

ROTATION No. :

N

DATE: 19th March 1970

U.T.: 12 h. 15 m. +2 25

CONDITIONS: cloudy intervals

windy

W

E

+

②

P =

Bo =

Lo =

S

NAME:

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 22. 3. 70U.T.: 9 $\frac{1}{2}$ h. 45 m.CONDITIONS: very high cloud

N

+

E

S

NAME: $+15^{\circ}$ $+15^{\circ}$ $+15^{\circ}$
 332° 370° 327° -15°
 300° SAA { 3 N
 2 S $P = 25.45$ $B_0 = 6.97$ $L_0 = 288.1$

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 24. 3. 70U.T.: 8 h. 0 m.CONDITIONS: poor

N

E

W

+

S

NAME:

P =

Bo =

Lo =

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 25th March 1970

U.T.: 8 h. 10 m.

CONDITIONS: fair

N

W

E

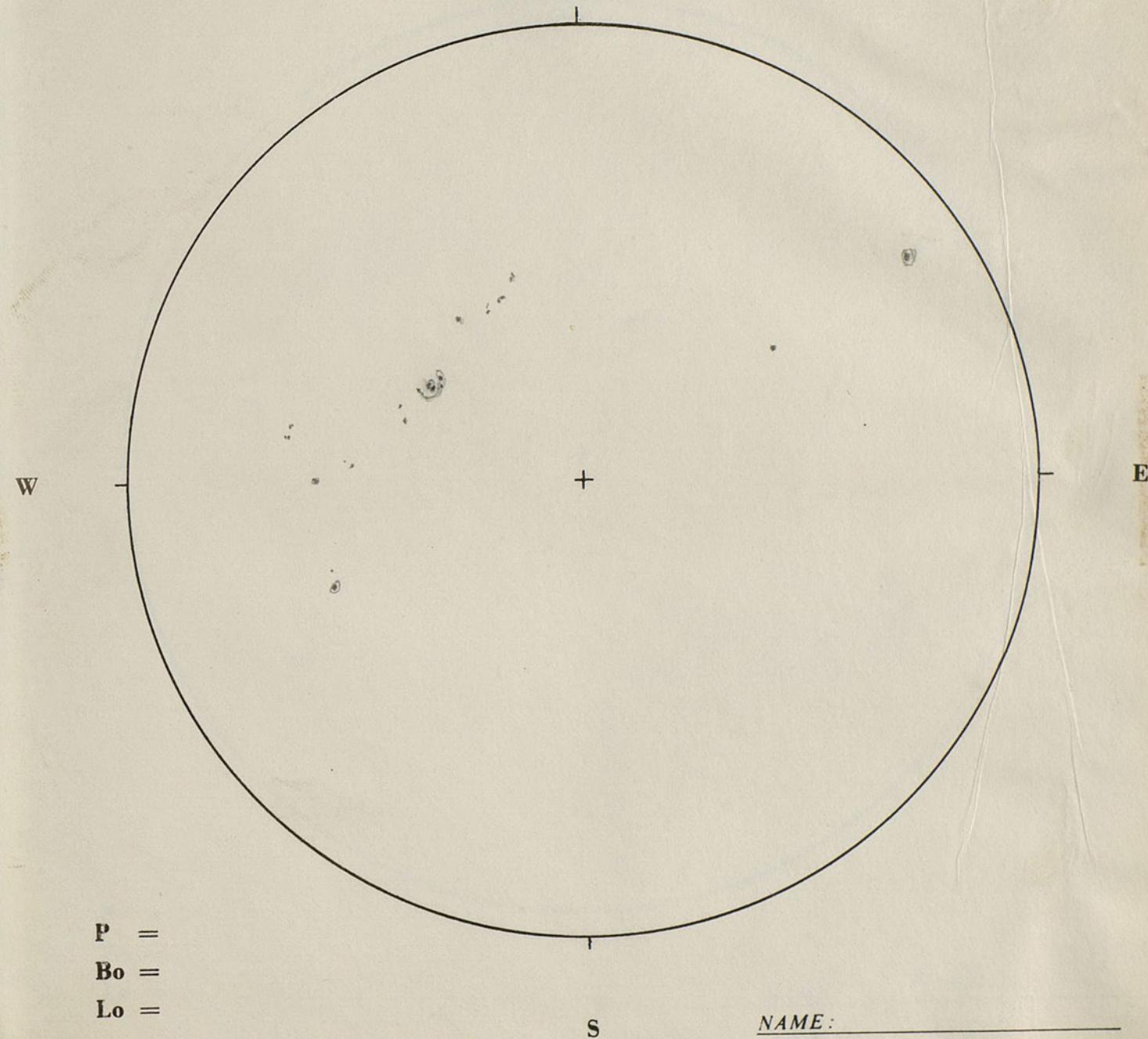
P =

Bo =

Lo =

S

NAME:

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 27, 3 70U.T.: 9 h. 40 m.N CONDITIONS: *windy + cloud*
fair between

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

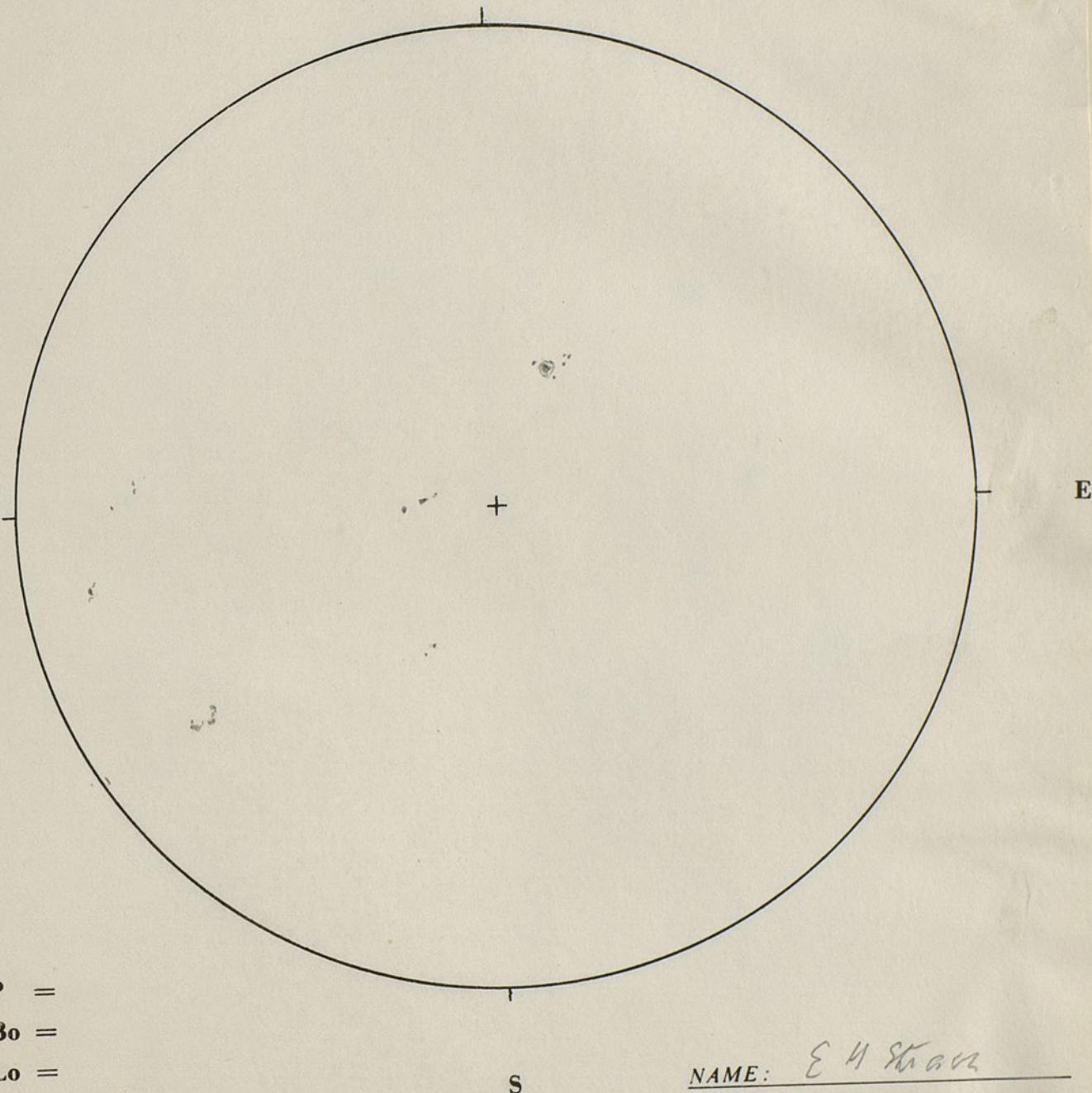
N

DATE: 30th ~~March~~ 1970

U.T.: March 30 m.

CONDITIONS:

inaccurate
observation



P =

Bo =

Lo =

S

NAME: E H Straus

B.A.A. SOLAR SECTION

INSTRUMENT: _____

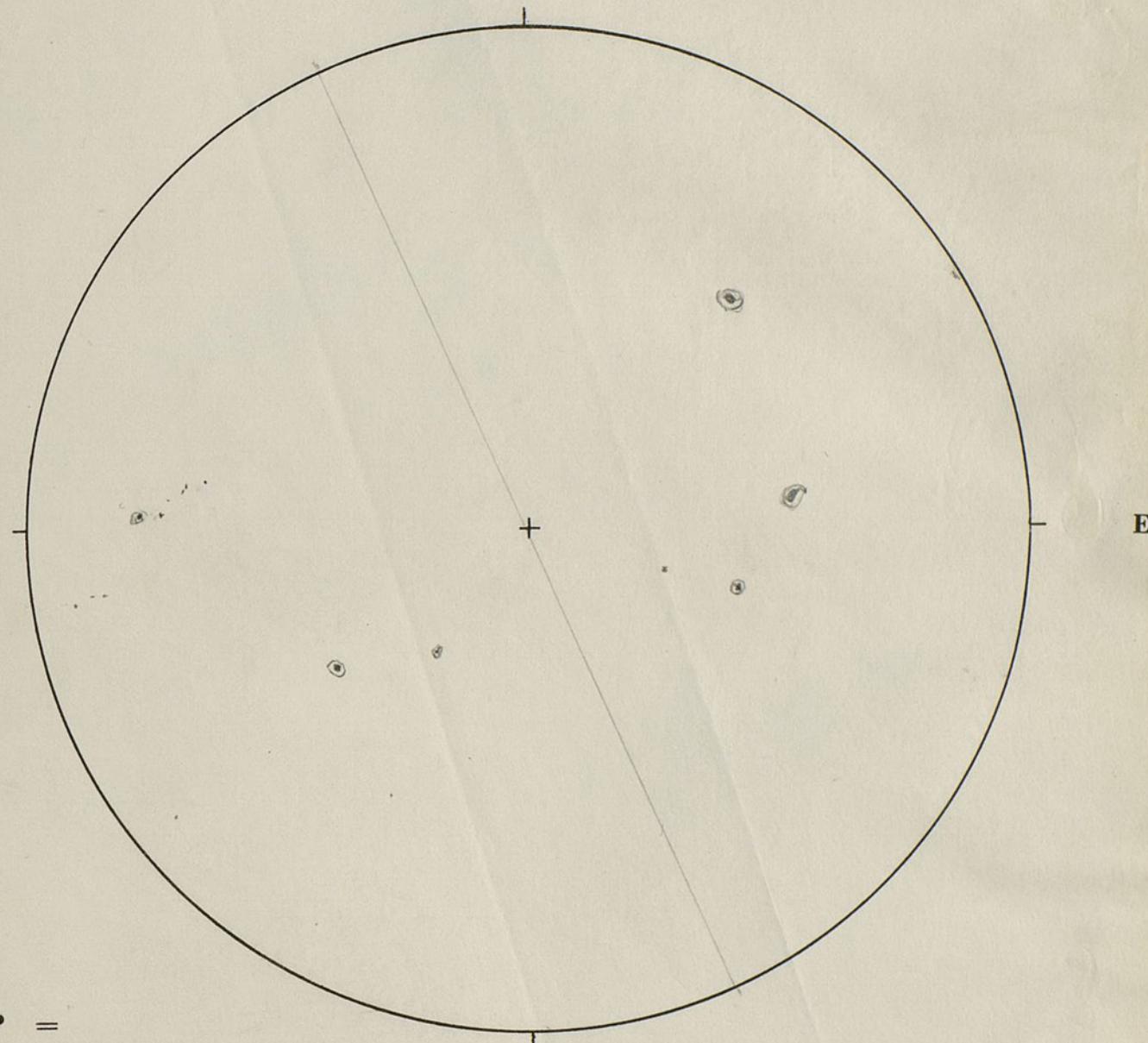
ROTATION No.: _____

DATE: 3rd May 1970

U.T.: 13 h. - m. -

CONDITIONS: good definition

N



P =

Bo =

Lo =

S

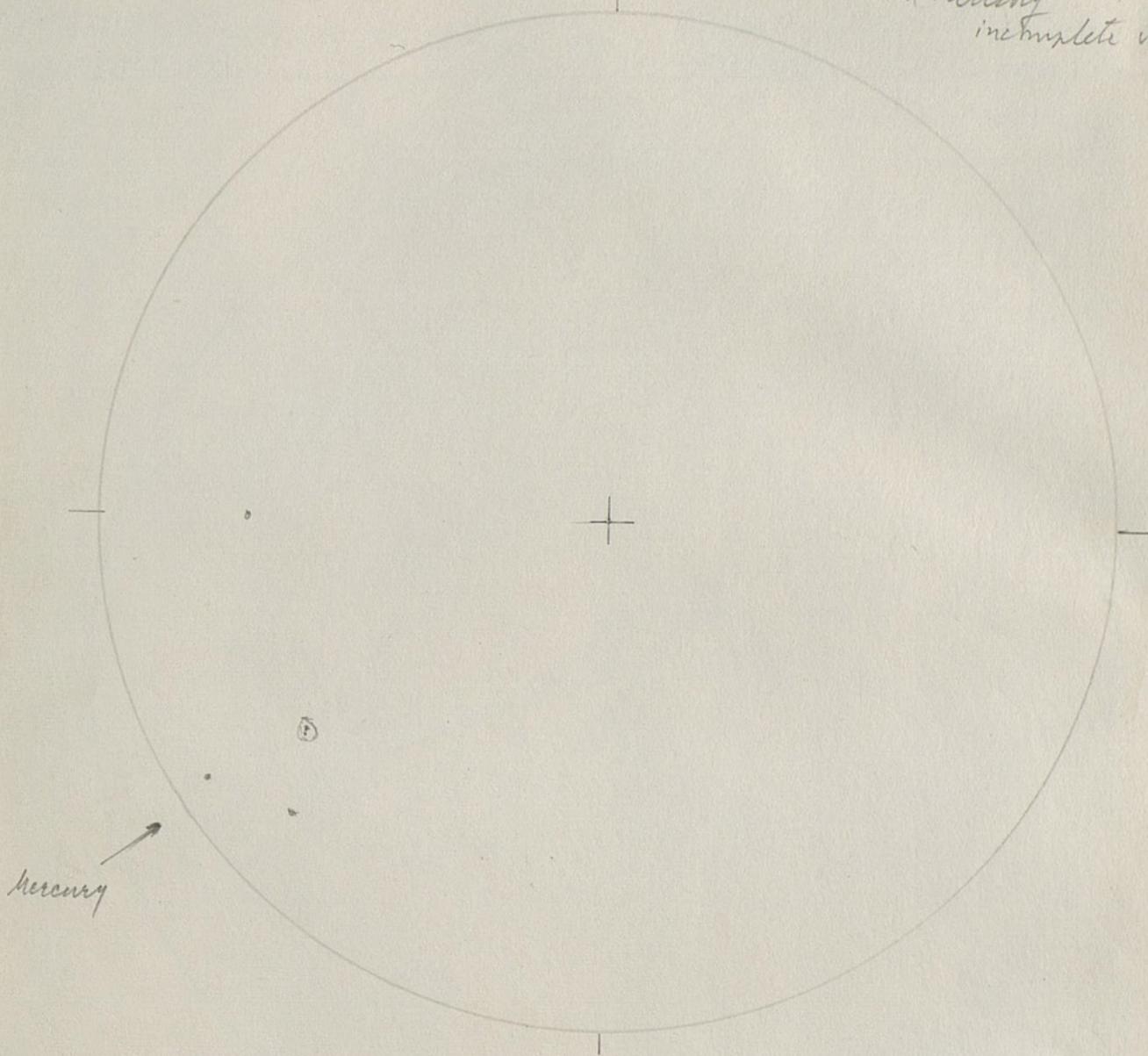
NAME: _____

6th May 1940

8²⁵
misty -
incomplete (dark)



9th May 1970
1158 UT
only glimpses through
cloud to see transit
of Mercury
incomplete drawing



B.A.A. SOLAR SECTION

INSTRUMENT: _____
ROTATION No.: _____

DATE: 13. 5. 70 _____

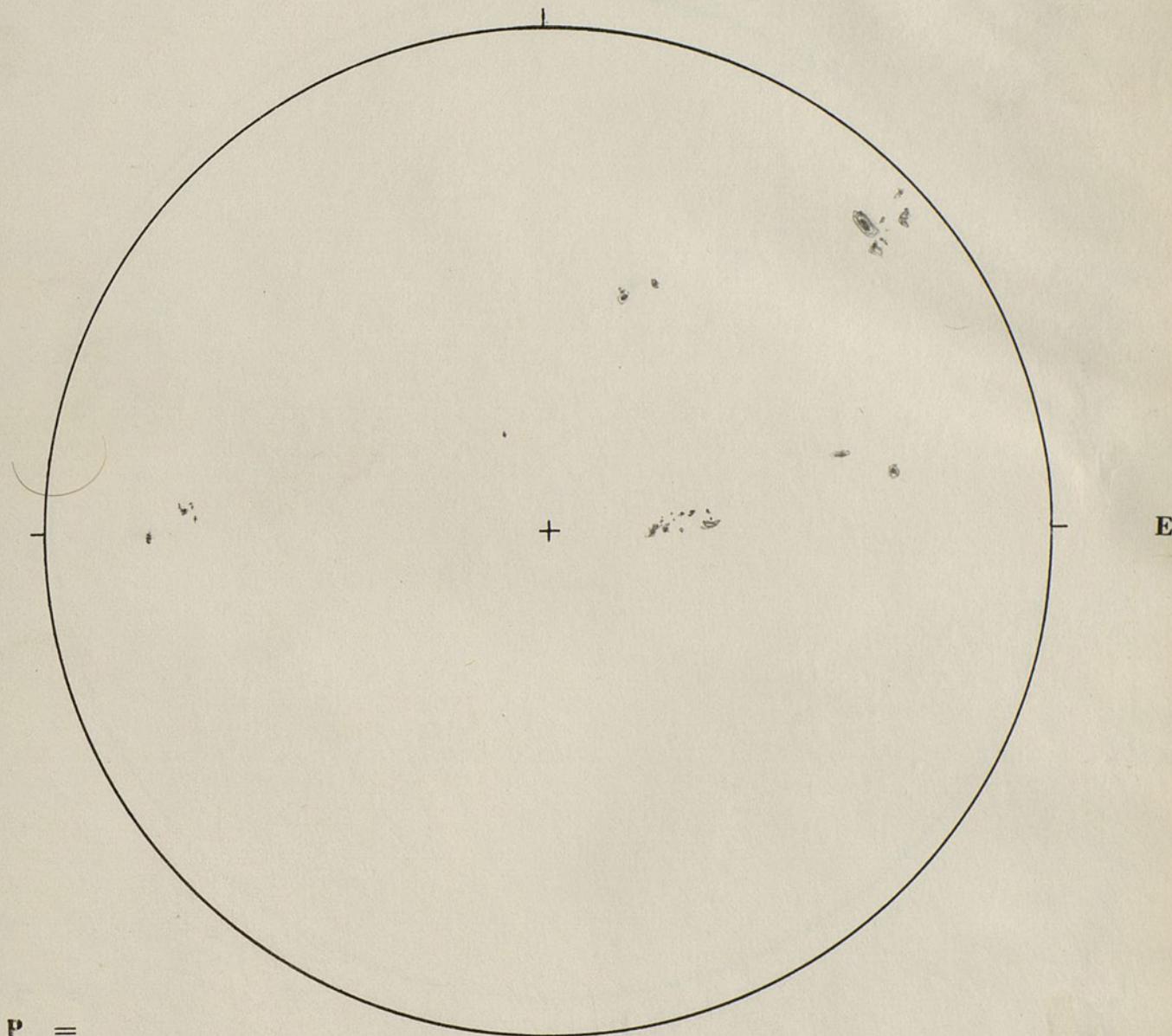
U.T.: 8 h. 05 m. _____

CONDITIONS: fair _____

N

E

S

NAME: _____

P =

Bo =

Lo =

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 15.5.70

U.T.: 7 h. 50 m.

CONDITIONS: *hazy fair*

N

E

W

+

P =

Bo =

Lo =

S

NAME: _____

B.A.A. SOLAR SECTION

INSTRUMENT :

ROTATION No. :

DATE : 17. 5. 1970

U.T. : 10 h. 15 m.

N

CONDITIONS: atrocious seeing

Very excellent transparency

W

E

S

NAME :

$$P = -20.43$$

$$B_0 = -2.4$$

$$L_0 = 268.3$$

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 18.5.70

U.T.: 12 h. 00 m.

CONDITIONS: poor

N



W

E

+

S

P =

Bo =

Lo =

NAME: _____

B.A.A. SOLAR SECTION

INSTRUMENT: 3" Reprograph for Coates

ROTATION No.: 1561

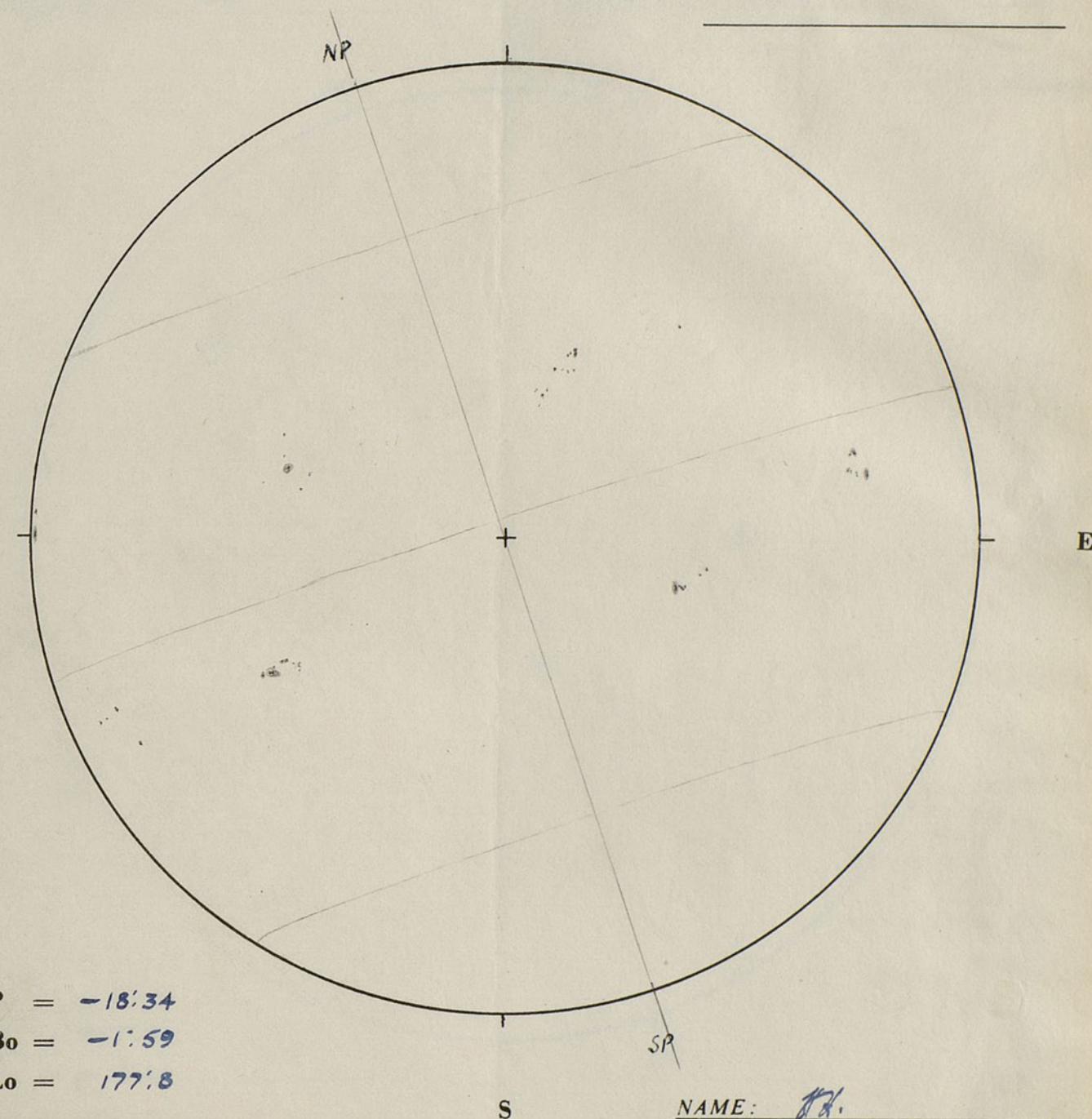
N

DATE: 1970: May 24

U.T.: 06 h. 25 m.

CONDITIONS: Very good.

W



$$P = -18^{\circ}34'$$

$$Bo = -11^{\circ}59'$$

$$Lo = 177^{\circ}8'$$

S

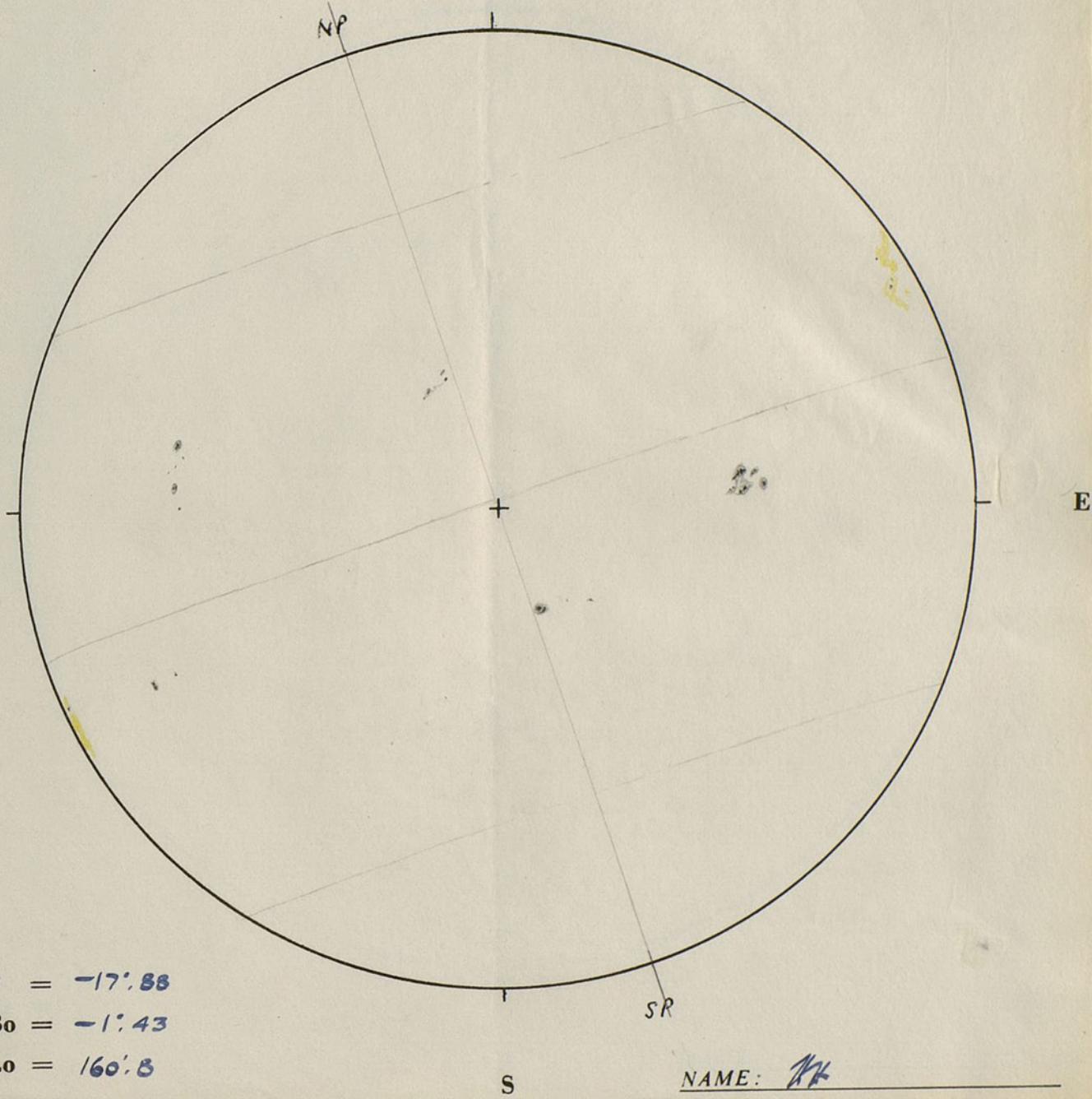
NAME: H.

B.A.A. SOLAR SECTION

INSTRUMENT: 3" Refractor fed by Crayford
ROTATION No.: 1561

N

DATE: 1970: May 25
U.T.: 13 h. 20 m.
CONDITIONS: Fair



B.A.A. SOLAR SECTION

INSTRUMENT: $4\frac{1}{2}$ $3''$
ROTATION No.: _____

DATE: 7. 6. 70
U.T.: 9 10 h. 10 m.
CONDITIONS: fair

N

W

E

+



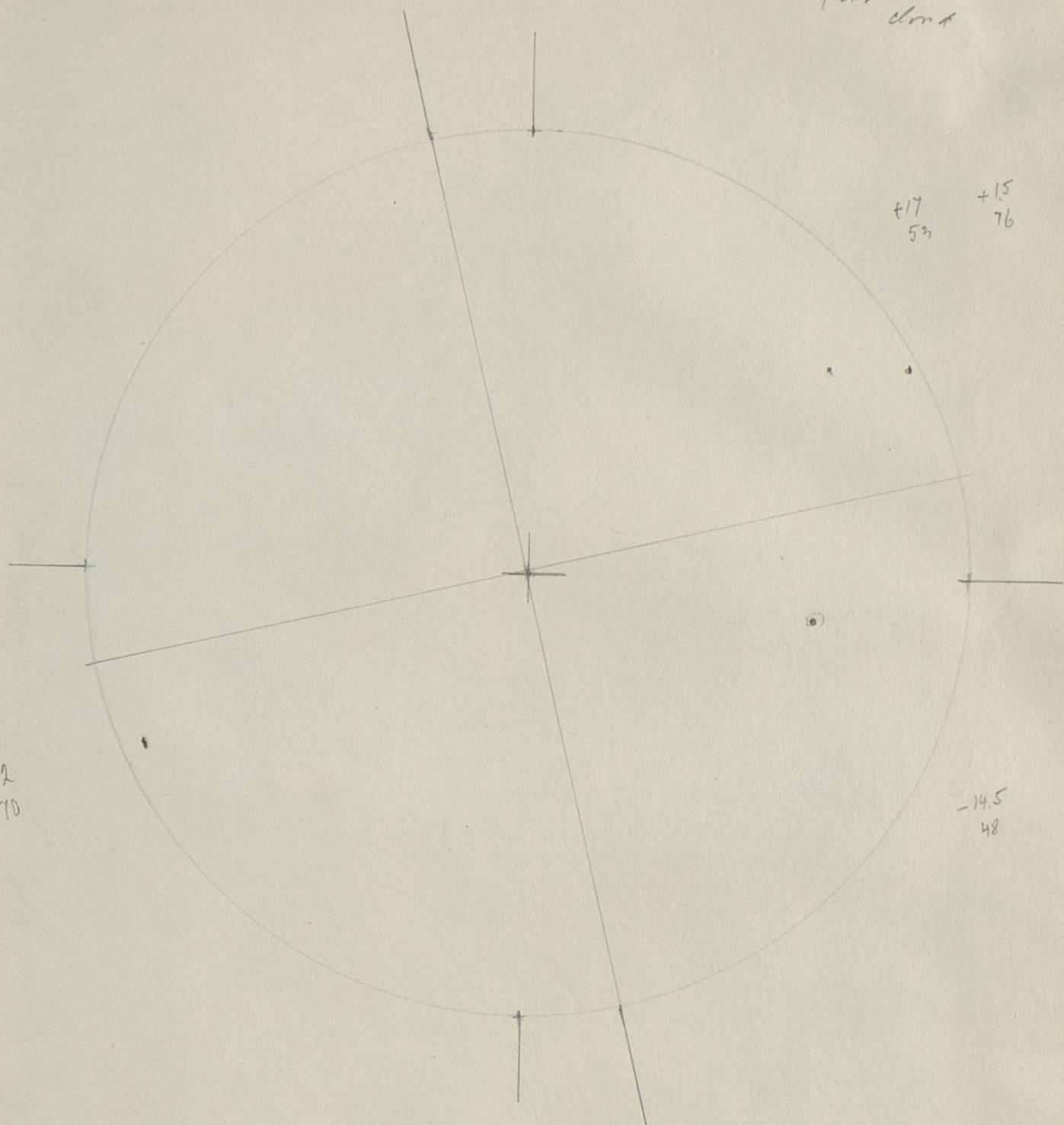
P =
Bo =
Lo =

S

NAME: _____

3" in solar rh.
? offcenter

7 6.70
18° 05'
per cent



P -13

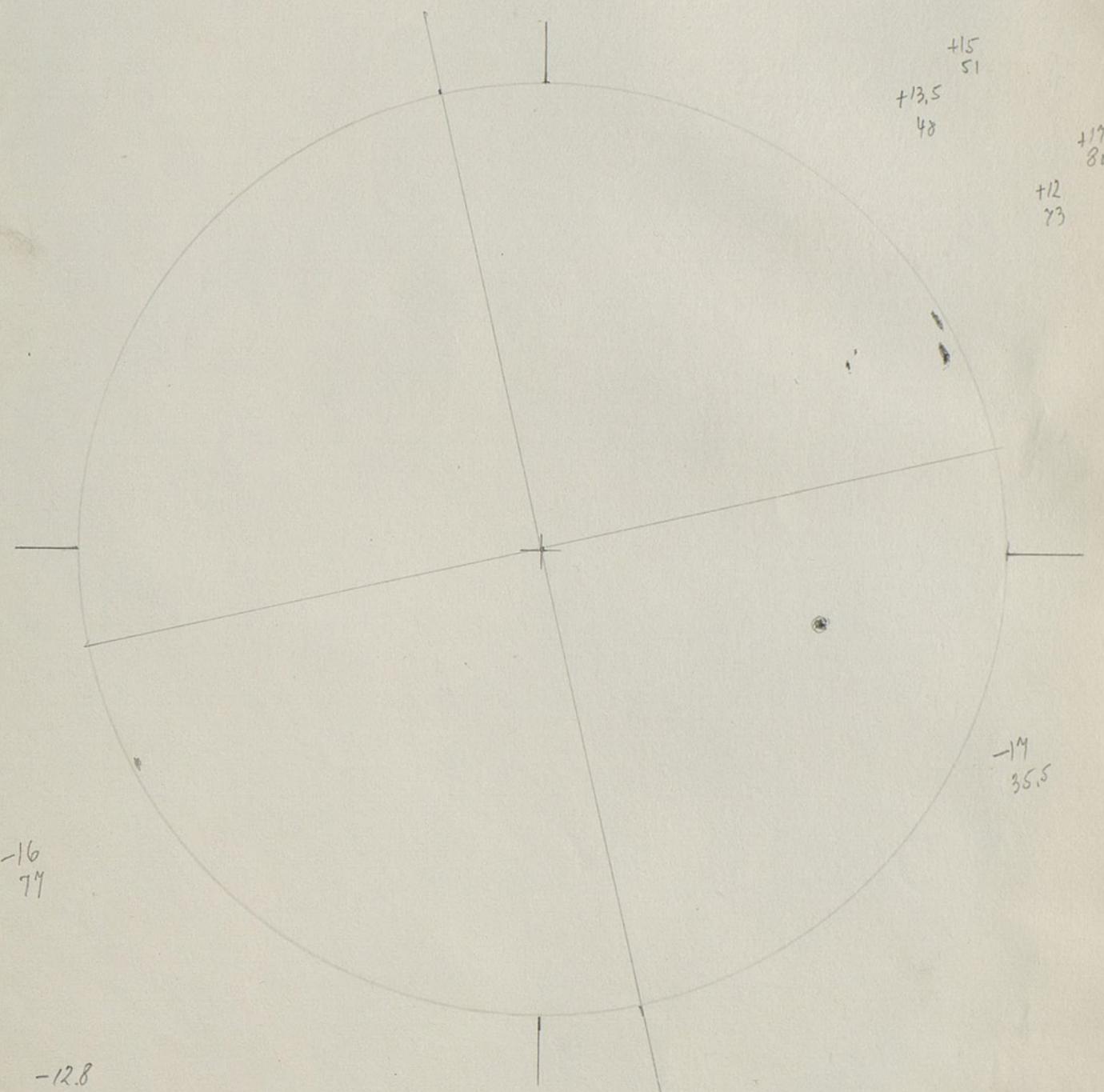
B_o +0.1

L_o 346.2

3" sol. obs.

8.6 70
745
fair

N



9.6.70

3" in alt. ab.

γ 45

Pain

+15.5
32.5 +18
38

+14.5
32.5

+18
65

+14
59

-15.5
20

P -12.3
β₀ +0.4
L₀ 3253

B.A.A. SOLAR SECTION

INSTRUMENT: 3"

ROTATION No.: -

DATE: 10.6.70

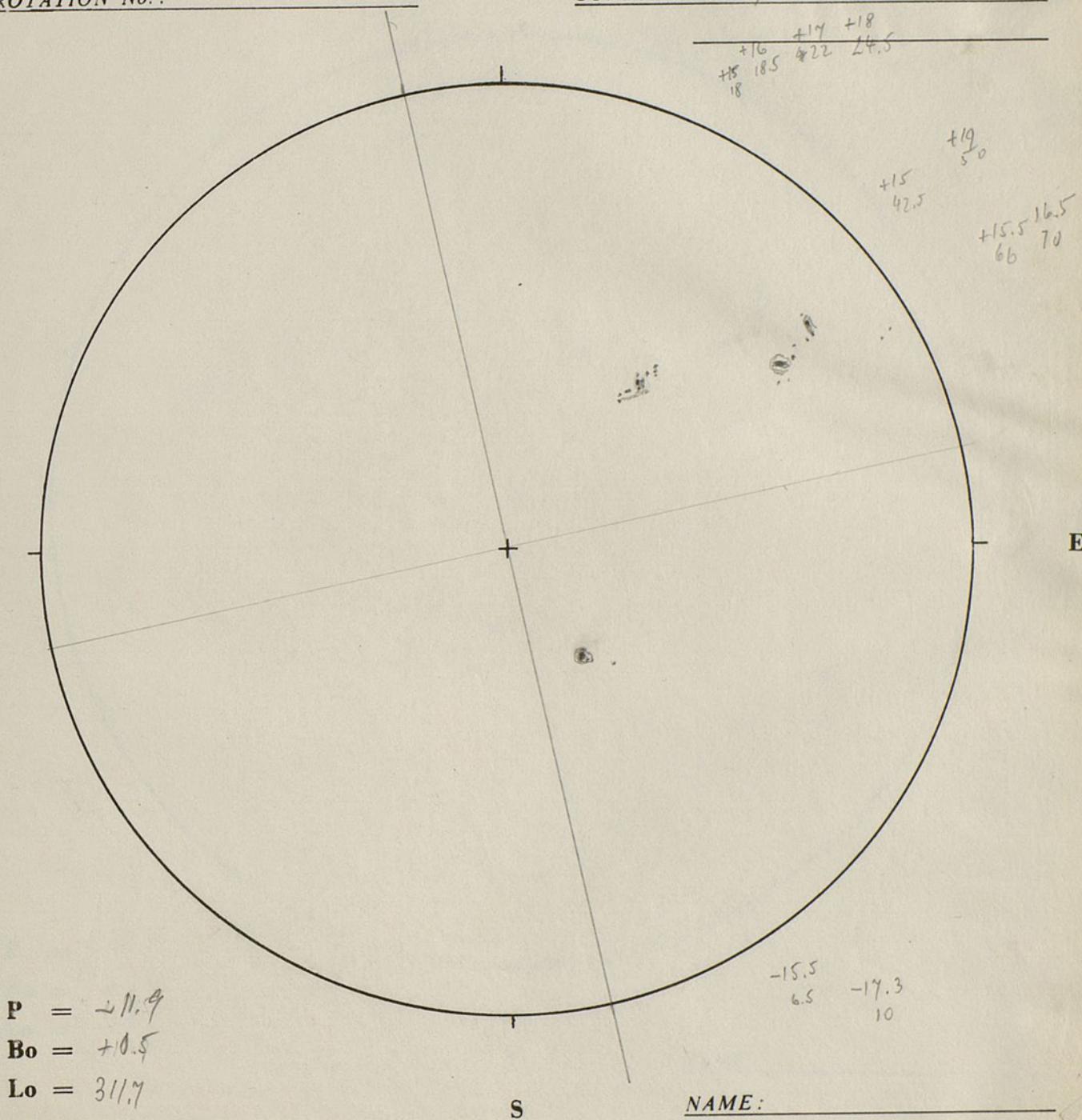
U.T.: 8 h. 35 m.

CONDITIONS: fair

N

W

E



$$P = \sim 11.9$$

$$B_0 = +0.5$$

$$L_0 = 311.7$$

NAME:

B.A.A. SOLAR SECTIONINSTRUMENT: 3"ROTATION No.:DATE: 11. 6. 70U.T.: 7 h. 30 m.CONDITIONS: Fair

W

N

E

 -12
53.5
 -12.2
54
 -12.3
52 -14.5
6

$$\begin{aligned}P &= -11.5 \\B_0 &= +0.55 \\L_0 &= 299.0\end{aligned}$$

S

NAME:

B.A.A. SOLAR SECTIONINSTRUMENT: 3"ROTATION No.:DATE: 12. 6. 70U.T.: 7 h. 40 m.CONDITIONS: Fair

N

E

+15.5
11.5+14.5
17
20.5
26+17
41
+17.5
47
+18
57.5
56
+19
66
420H5
29

W

-12
68

E

S

NAME:

$$P = 11$$

$$B_0 = +0.7$$

$$L_0 = 285.8$$

$$-14.5
13$$

B.A.A. SOLAR SECTION

INSTRUMENT: 3"

ROTATION No.: 1

DATE: 13. 6. 70

U.T.: 7 h. 40 m.

CONDITIONS: moments of good seeing
otherwise fair

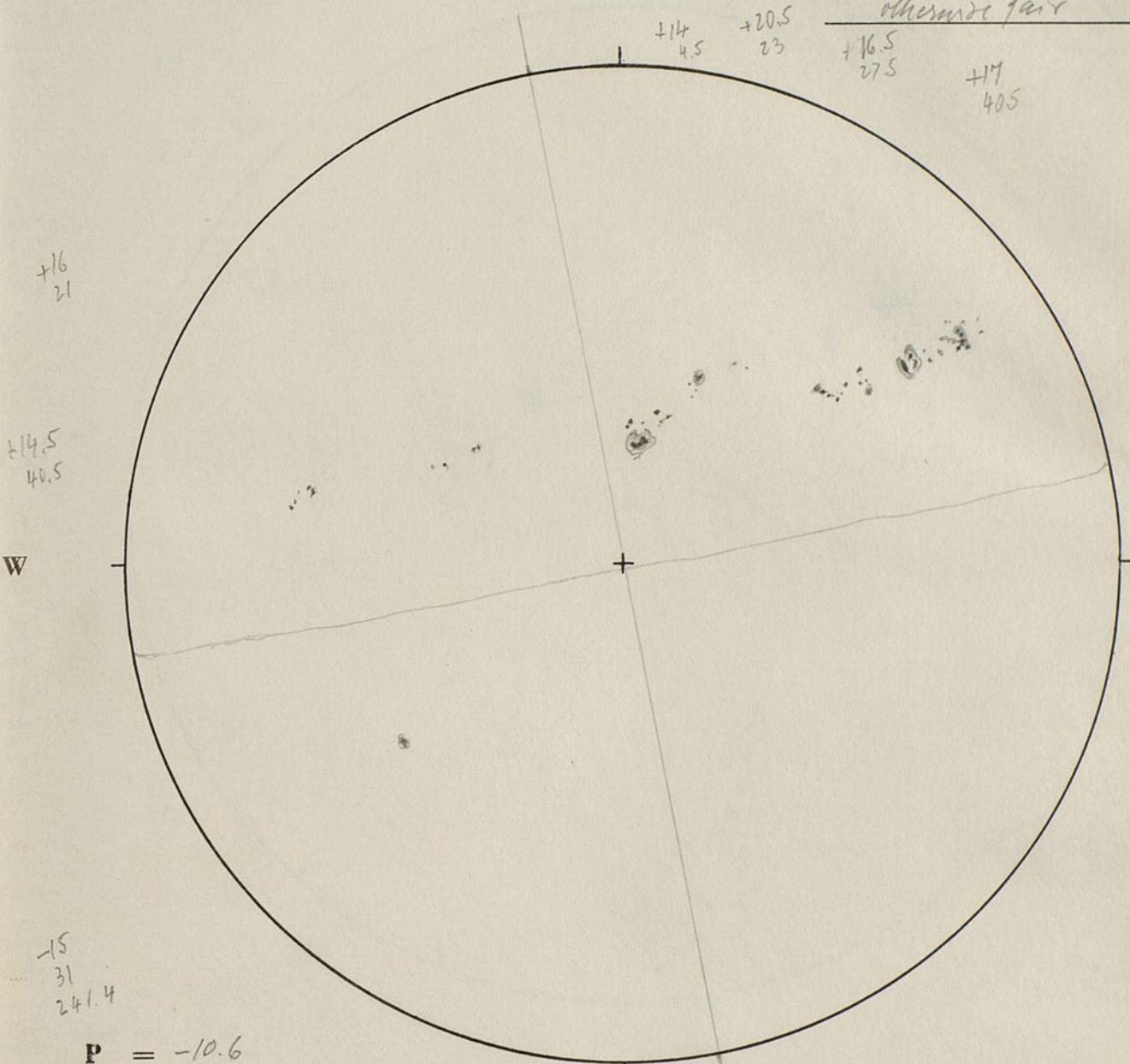
N

+

E

S

NAME:



$$P = -10.6$$

$$B_0 = 100$$

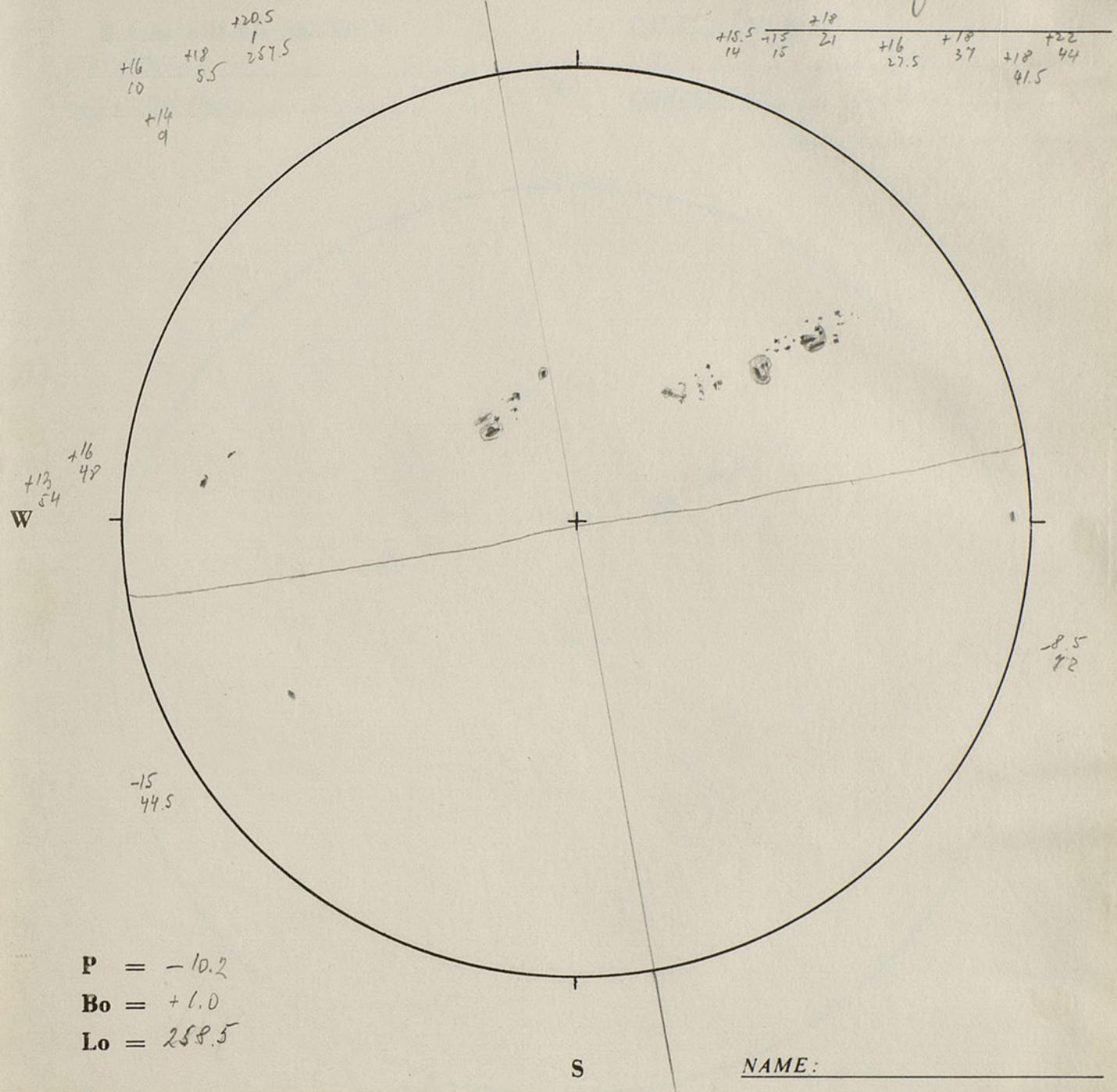
$$L_0 = 272.4$$

B.A.A. SOLAR SECTIONINSTRUMENT:

3"

ROTATION No.:

N

DATE: 14th June 1970U.T.: 8 h. 50 m.CONDITIONS: boiling

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

DATE: 15. 6. 70

U.T.: 7 h. 40 m.

CONDITIONS: poor

N

E

W

+

S

$$P = -9:87$$

$$B_0 = +1^{\circ}06$$

$$L_0 = 246:0$$

NAME:

B.A.A. SOLAR SECTIONINSTRUMENT: 3"ROTATION No.:DATE: 17.6.70U.T.: 11 h. - m.CONDITIONS: Windy

moderate seeing

N

W

E

+

P =

Bo =

Lo =

S

NAME: _____

B.A.A. SOLAR SECTION

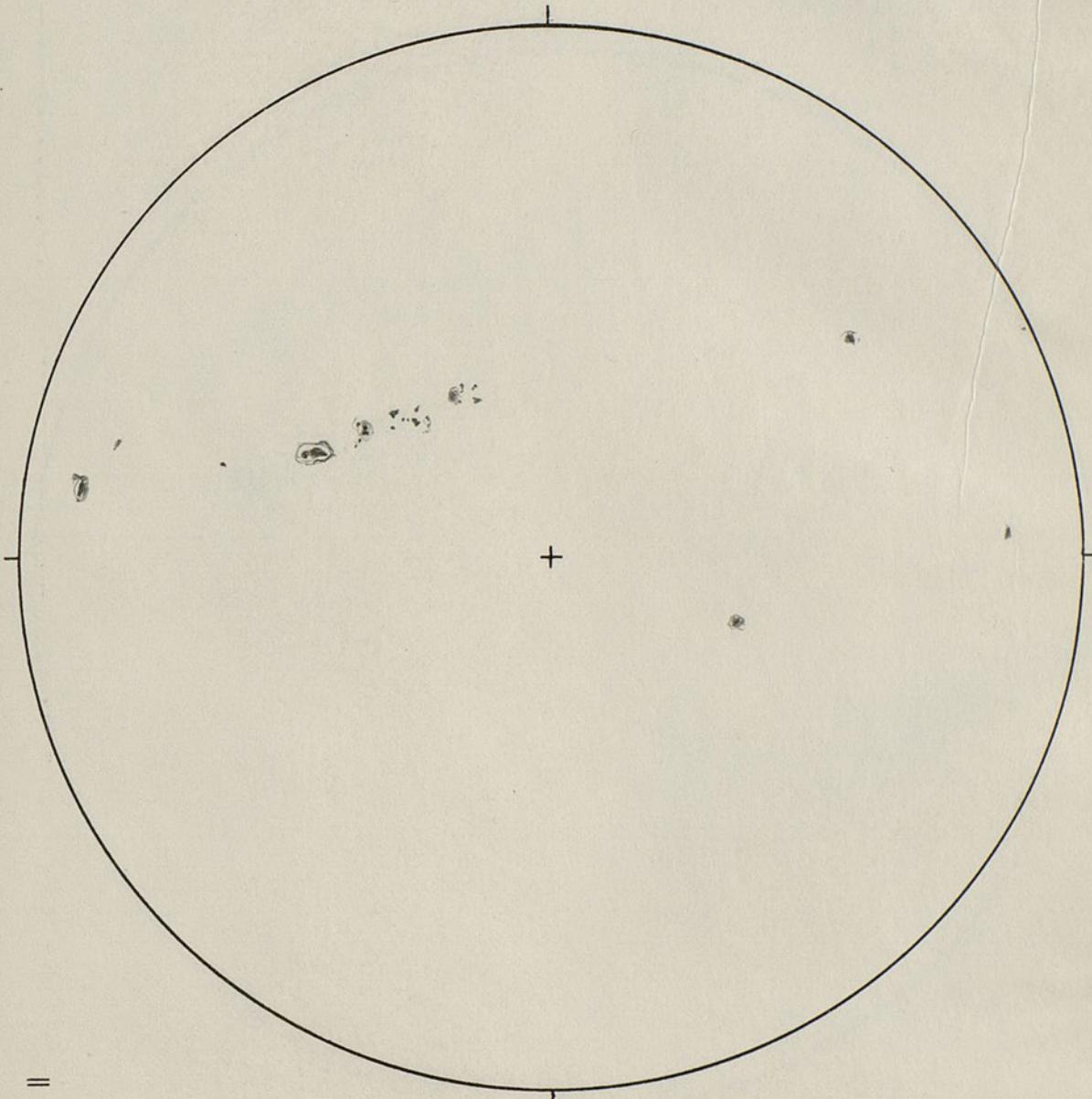
INSTRUMENT: 3''
ROTATION No.:

DATE: 18. 6. 70
U.T.: 12 h. 20 m.
CONDITIONS: windy poor

N

W

E



P =
Bo =
Lo =

S

NAME: humed 245

B.A.A. SOLAR SECTION

INSTRUMENT: 3''
ROTATION No.: _____

DATE: 19. 6. 1970
U.T.: 7 h. 20 m.
CONDITIONS: boiling

N

W

E

+

S

P =
Bo =
Lo =

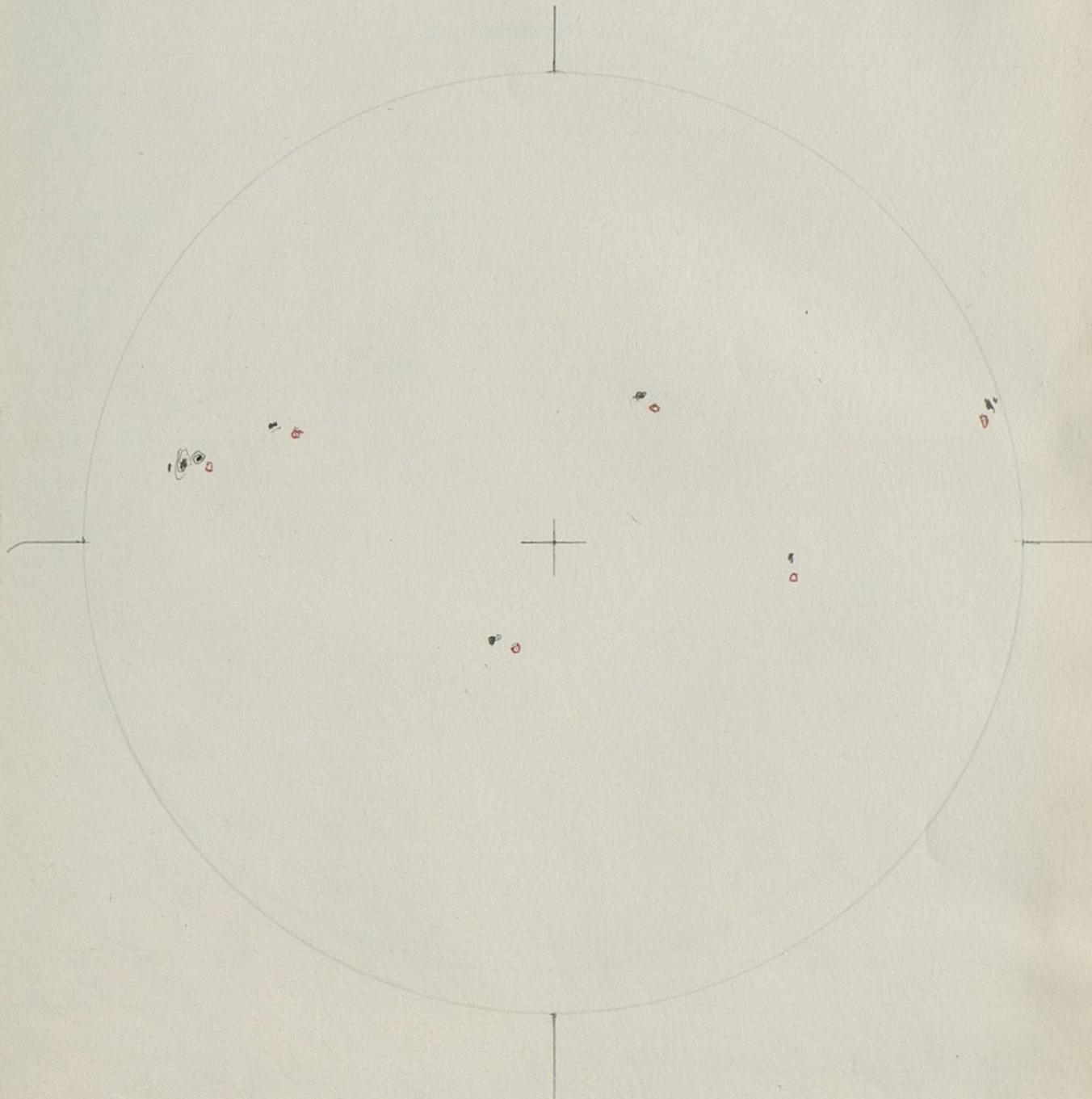
NAME: _____

20. June 1970
150 J.S.Y

3"

4"

2 p.m.



B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.:DATE: 20. June 1970U.T.: 7 h. 45 m.CONDITIONS: fair

N

E

W

+

P =

Bo =

Lo =

S

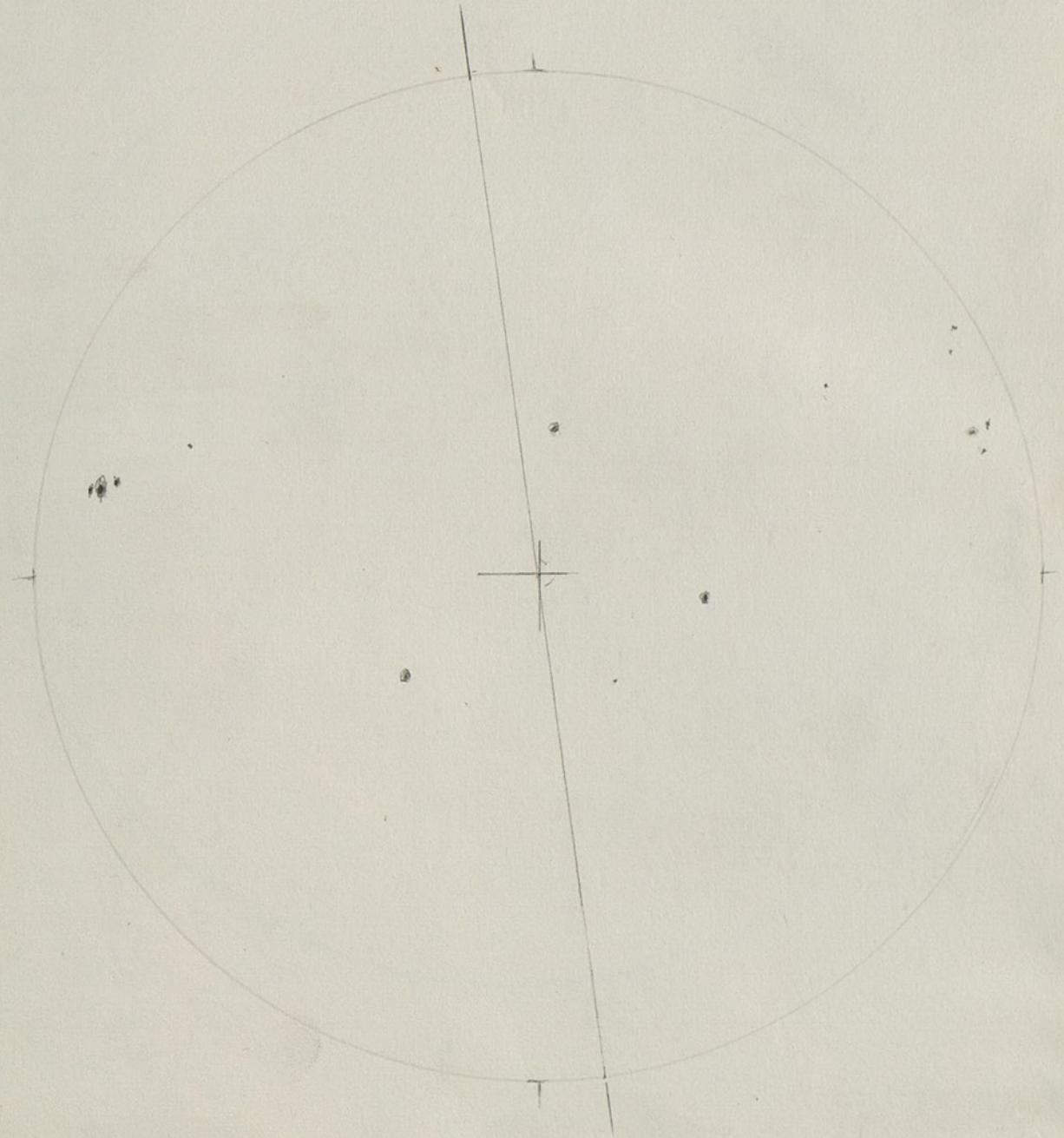
NAME:

4" (well centered)

21. 6. 70

9 20

windy - cloudy
intermittent.



$$P = -7021$$

$$B_0 = +1.78$$

$$L_0 = 165.6$$

B.A.A. SOLAR SECTION

INSTRUMENT: 3" (well centered)

ROTATION No.: _____

DATE: 21. 6. 70

U.T.: 10 h. 20 m.

CONDITIONS: windy cloudy

N

E

W

S

$$P = -7^{\circ}21$$

$$B_0 = +1^{\circ}78$$

$$L_0 = 165^{\circ}0$$

NAME: _____

B.A.A. SOLAR SECTION

INSTRUMENT: 3 "

DATE: 25. 6 70

U.T.: 7 h. 35 m.

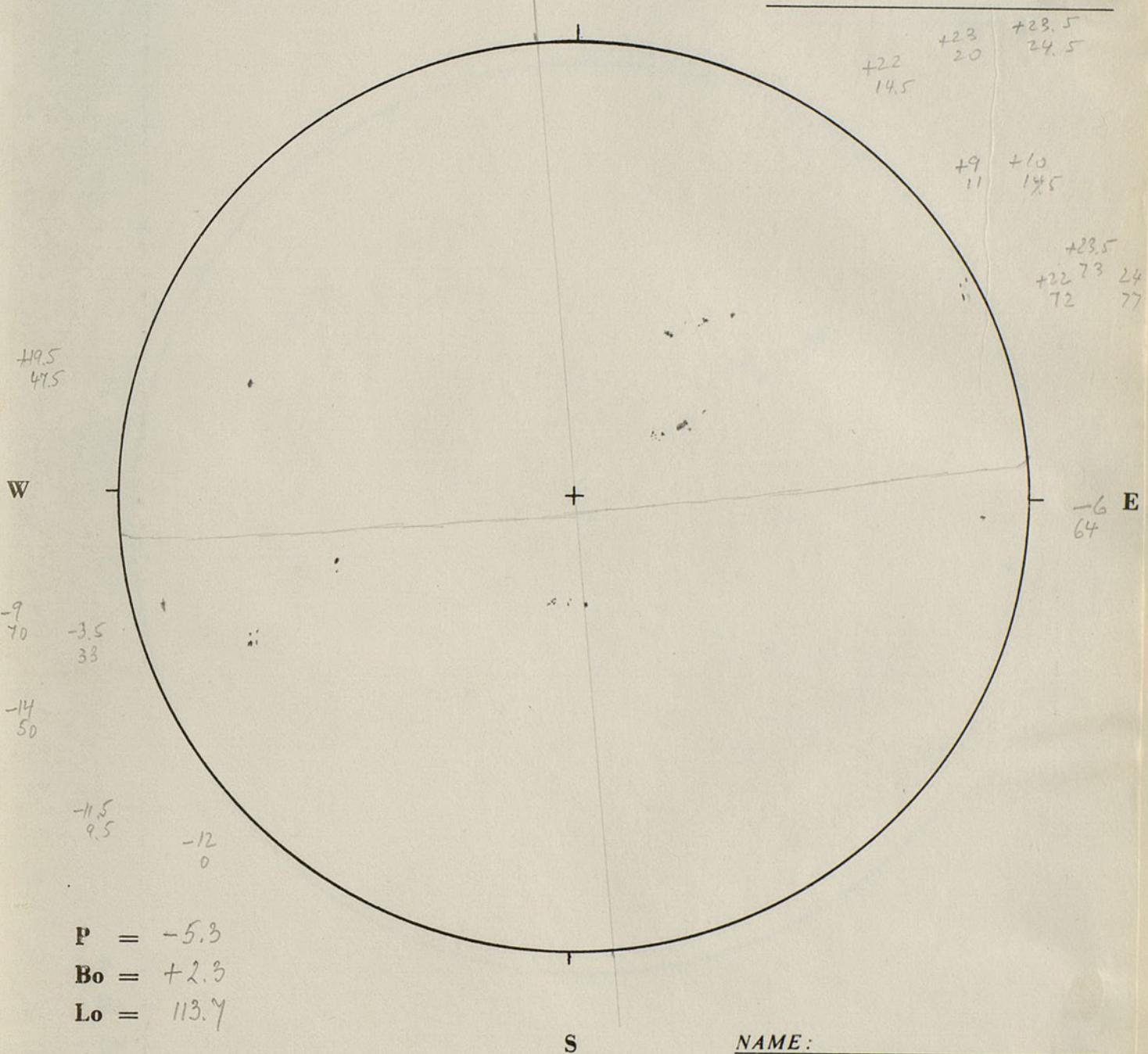
ROTATION No.: CONDITIONS: boiling

N

+

S

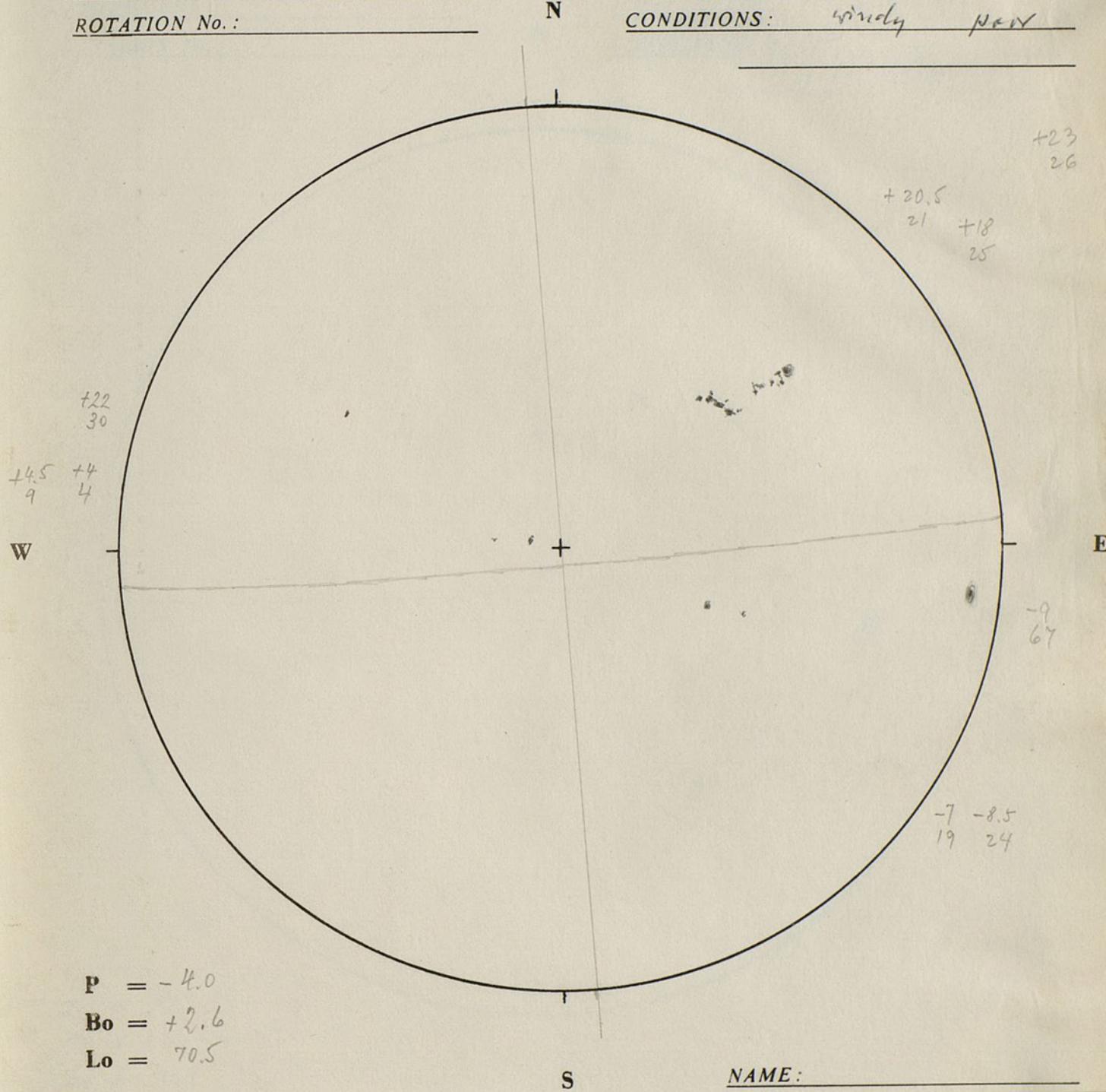
E



B.A.A. SOLAR SECTION

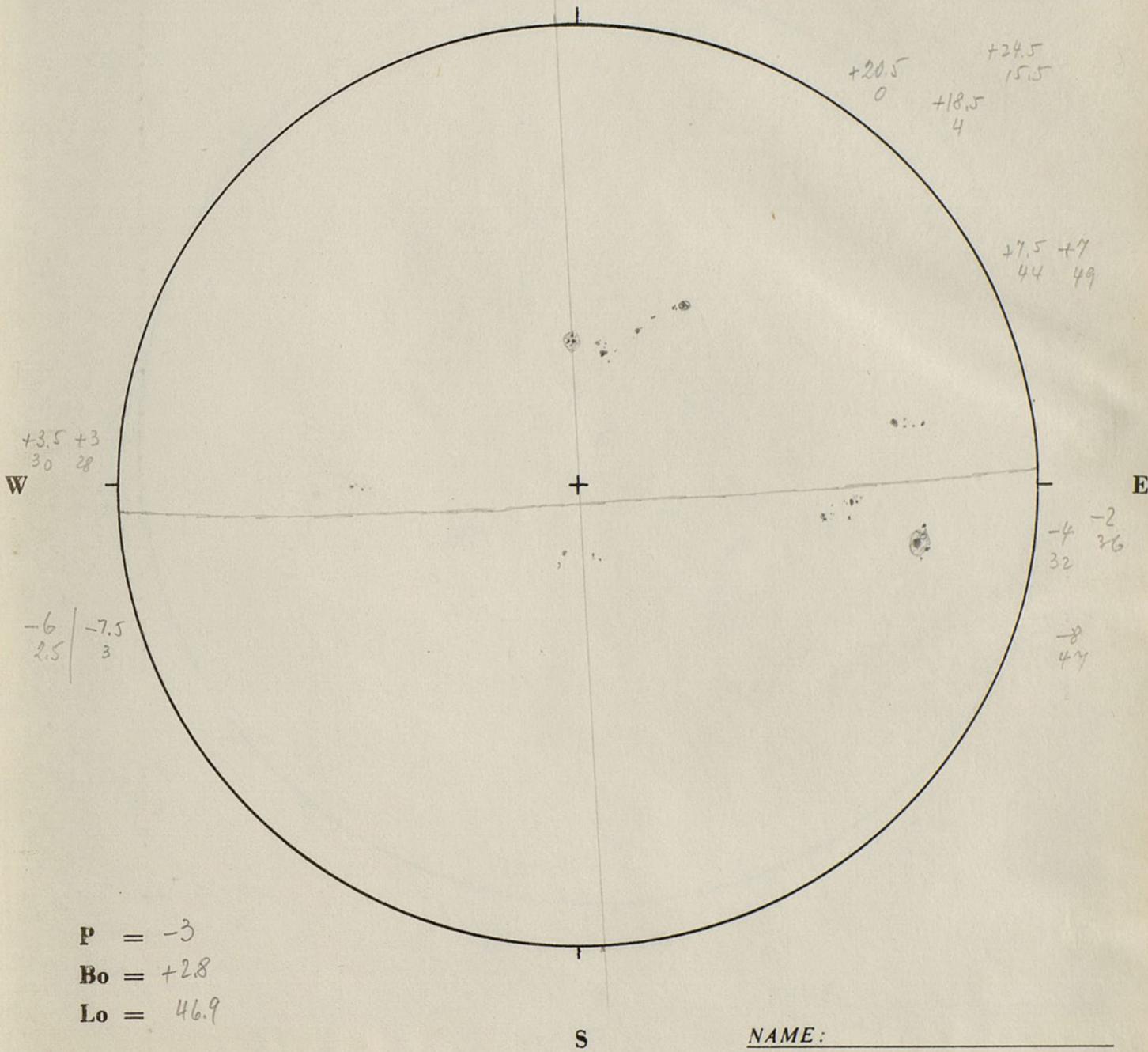
INSTRUMENT: 3"

ROTATION No.: _____

DATE: 28 June 1970
U.T.: 14 h. — m.
CONDITIONS: Windy NEW

B.A.A. SOLAR SECTIONINSTRUMENT:ROTATION No.: 3"DATE: 30. 6. 20U.T.: 8 h. 30 m.CONDITIONS: cloudy poor
unsteady

N



B.A.A. SOLAR SECTION

INSTRUMENT: 3"

DATE: 5th July 1970

U.T.: 9 h. 50 m.

ROTATION No.:

CONDITIONS: unsteady, cloudy inters.

N

E

+

S

NAME:

+22°
45° 42° 21°
+22° 42° 44° 5°
47°

+8° 42°
31° 35°

-3° -4°
18° 19°

-5°
15°/05° -8°
-5° -8°
13/4 359

10AA { 5N
5S

P = -0.90

Bo = +3.36

Lo = 340.1

-19°
353° -19°
354°

+15° 2°
34° 334°
+15° +15° 2°
342° 335° +10° 2° 308°
316° +10° 2° +11° 2°
315° 309° +16° 2°
264° +17° 2°
265°

B.A.A. SOLAR SECTION

INSTRUMENT: 3'' $4\frac{1}{2}$

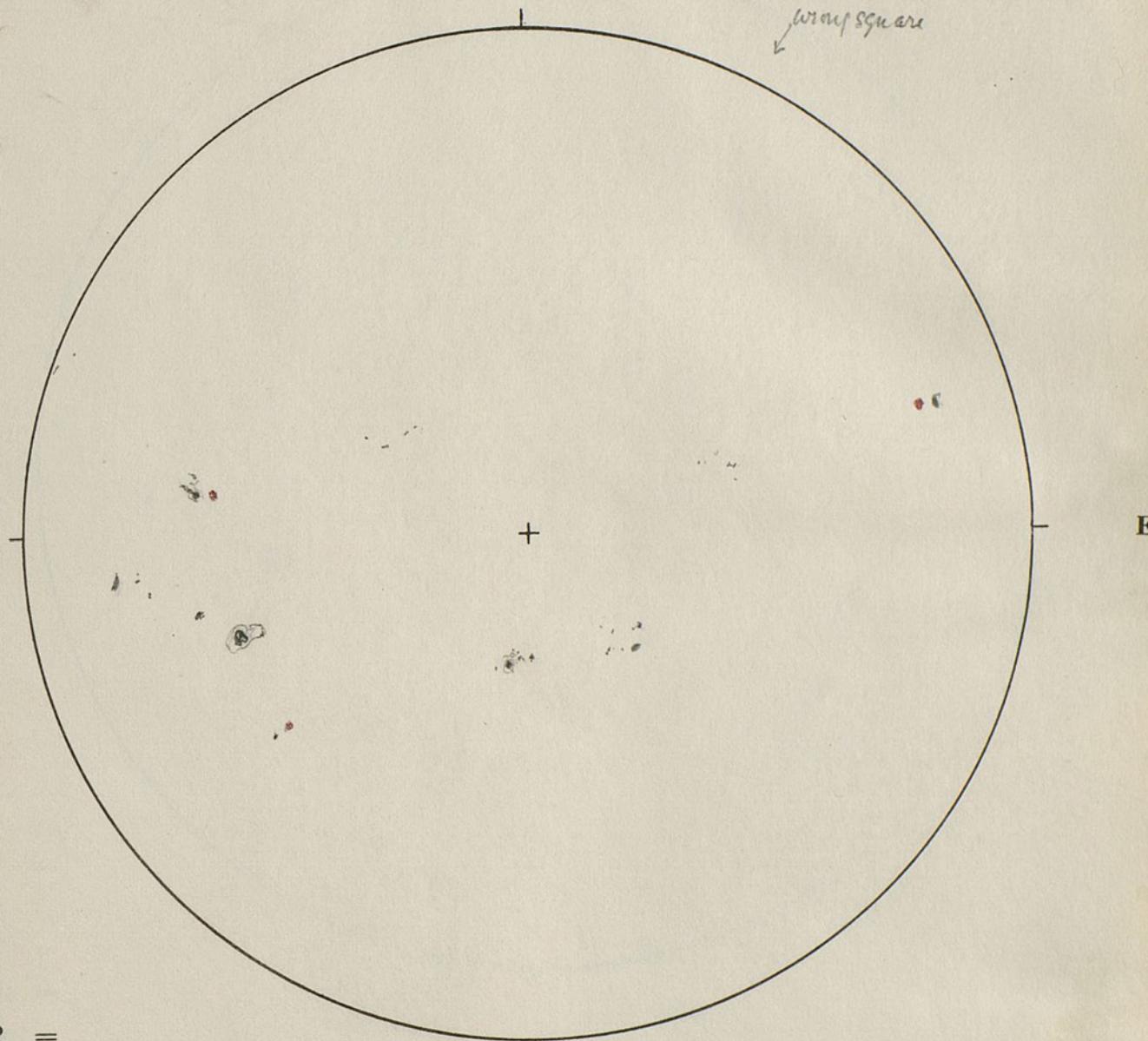
ROTATION No.: _____

N

DATE: 6.7.1970

U.T.: 19 h. - m.

CONDITIONS: *cloudy*



P =

Bo =

Lo =

S

NAME: _____

B.A.A. SOLAR SECTION

INSTRUMENT:

ROTATION No.:

341

DATE: 6. 7. 70

U.T.: 12 h. 20 m.

CONDITIONS: *Very cloudy*

Very difficult

N

W

E

4N
4S

P =

Bo =

Lo =

S

NAME:

B.A.A. SOLAR SECTION

INSTRUMENT: S''
ROTATION No.:

DATE: 7th July 1980

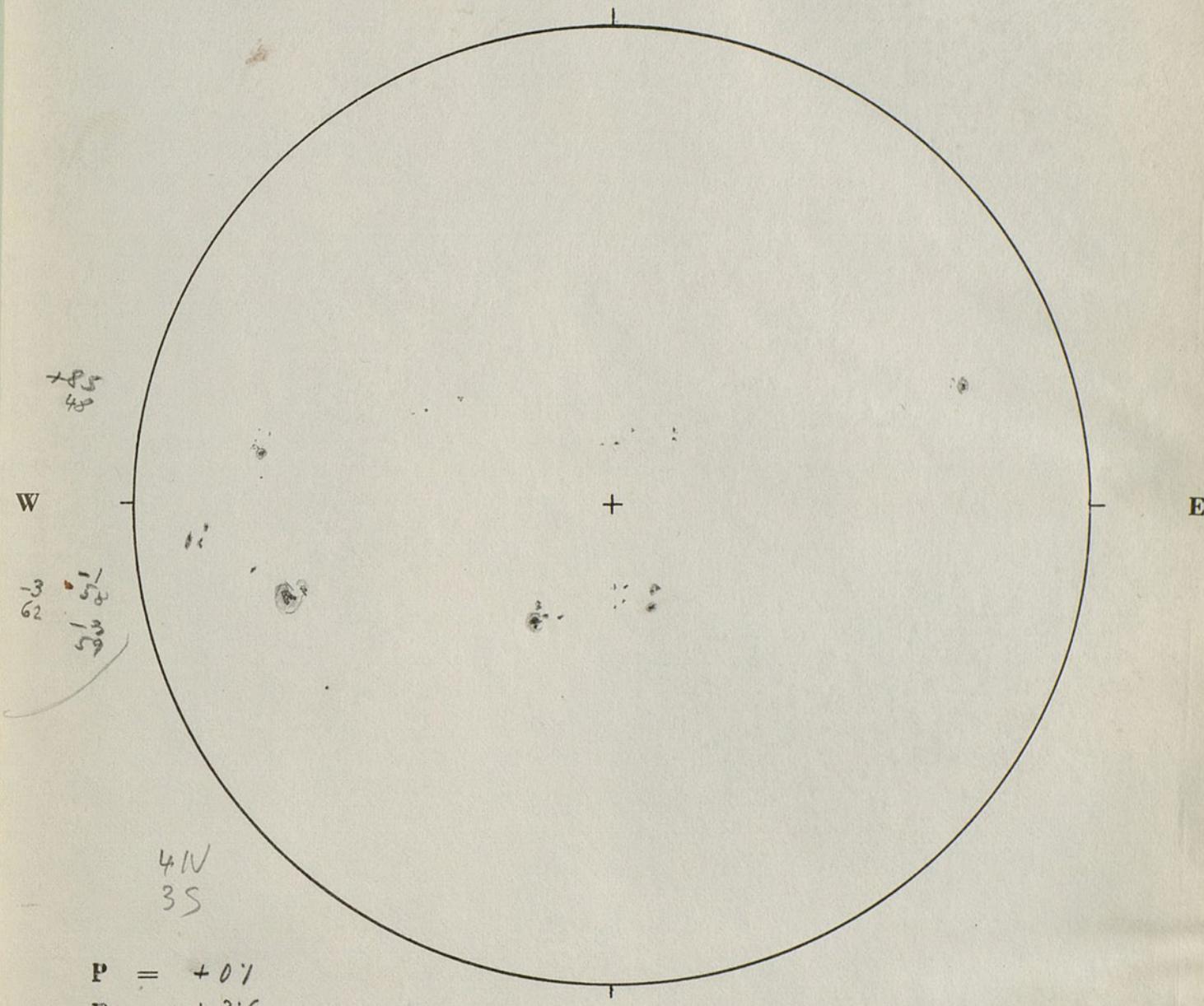
U.T.: 7 h. 30 m.

CONDITIONS: mod.

N

E

S

NAME:

$$P = +0'1$$

$$B_0 = +3'6$$

$$L_0 = 314.7$$

B.A.A. SOLAR SECTION

INSTRUMENT: 3¹¹
ROTATION No.:

DATE: 8.7.70
U.T.: 8 h. 20 m.
CONDITIONS: cloudy
incomplete

N

E

+

S

+8½'
3½'

W

-8½'
358-10
324½
2222N
2S $P = +0.45$
 $B_0 = +3.66$
 $L_0 = 301.1$ +14½
264½NAME:

B.A.A. SOLAR SECTION

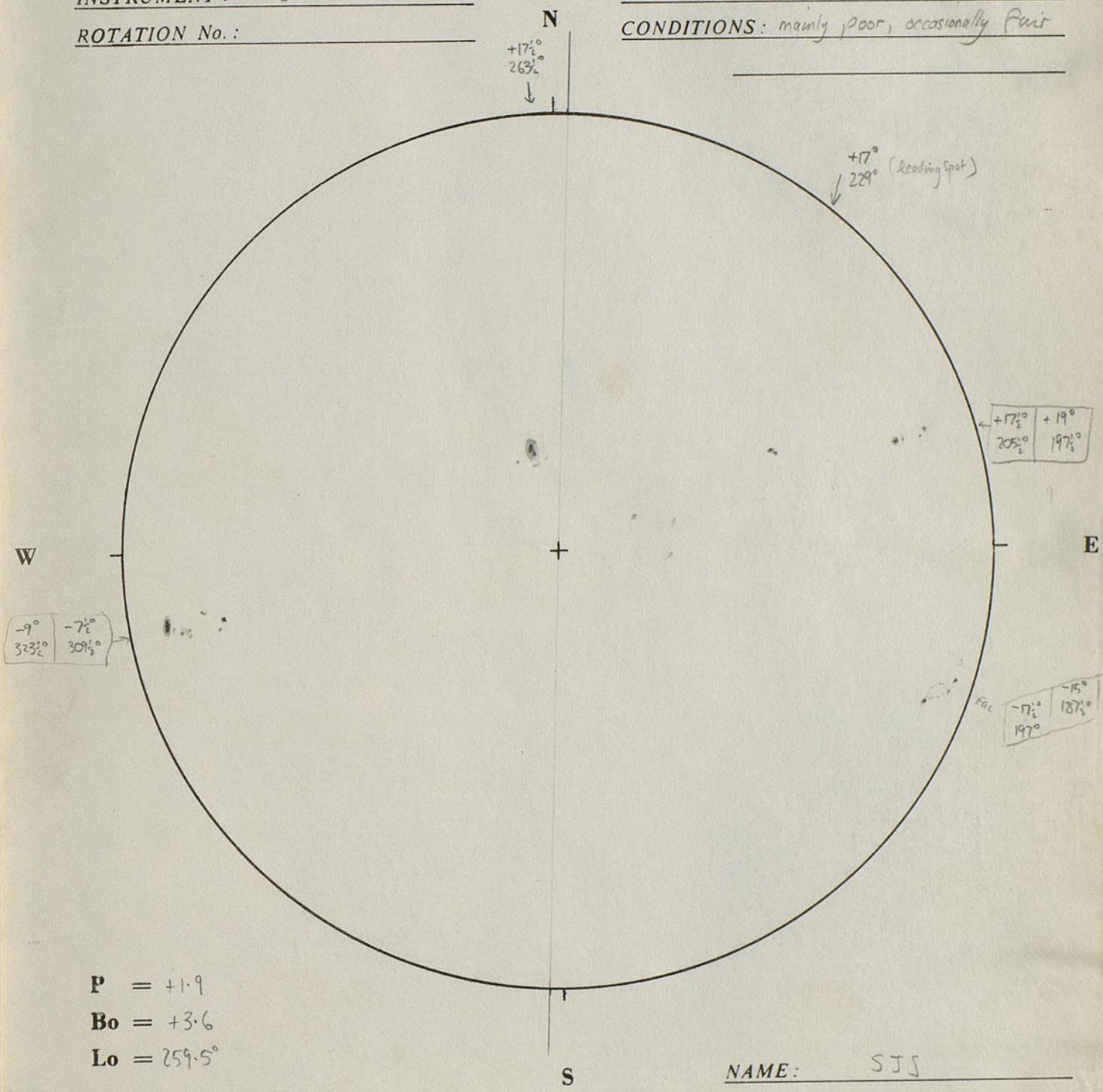
INSTRUMENT: 34

ROTATION No.: _____

DATE: 11/7/70

U.T.: 11 h. 45 m.

CONDITIONS: mainly poor, occasionally fair



B.A.A. SOLAR SECTION

INSTRUMENT: 3"

DATE: 11. 7. 70

U.T.: 14 h. 35 m.

CONDITIONS: Partly cloudy

ROTATION No.:

N

+16°
264°

+17°
231½°

+16½° +17½°
207½° 198°

W

-10° 325°
-7½° 310½°

+

E

3N
2S

P = +1.9

Bo = +3.6

Lo = 258.0

S

NAME: RS

-19½° 199° -17° 191°