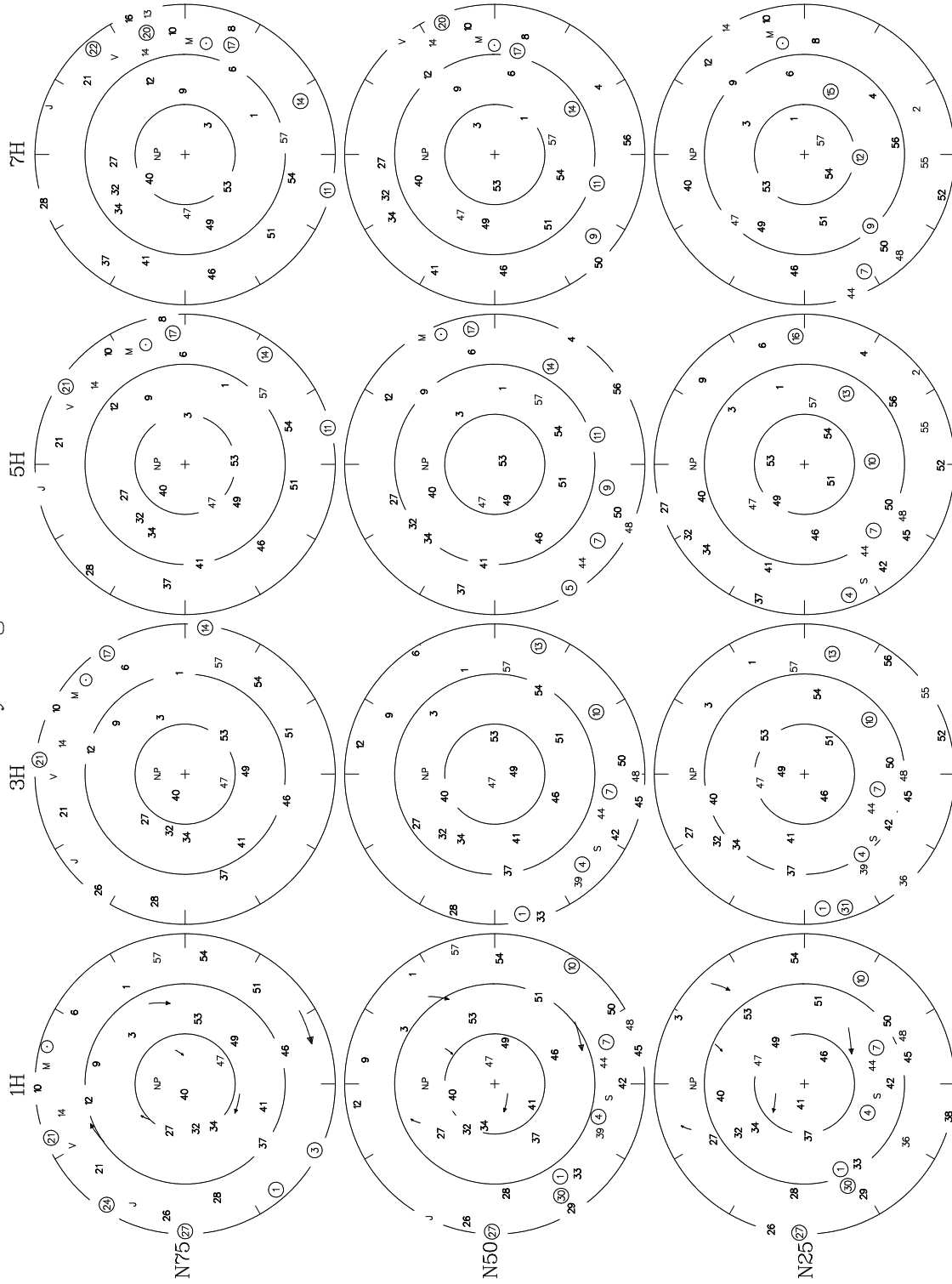


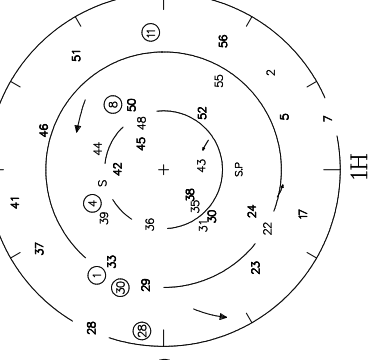
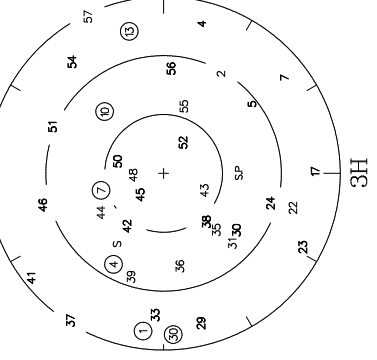
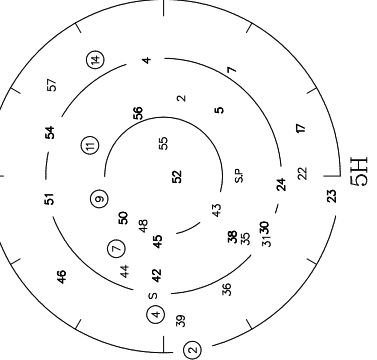
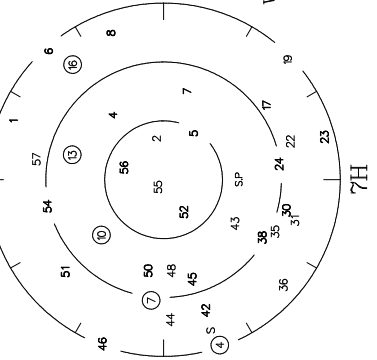
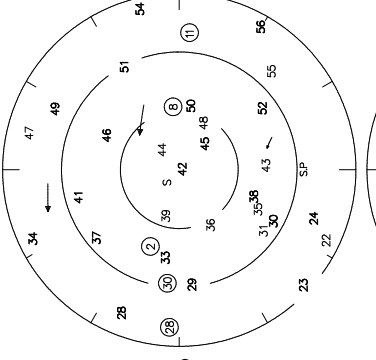
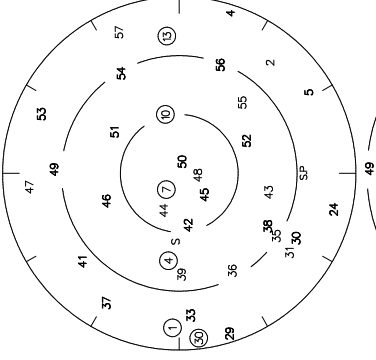
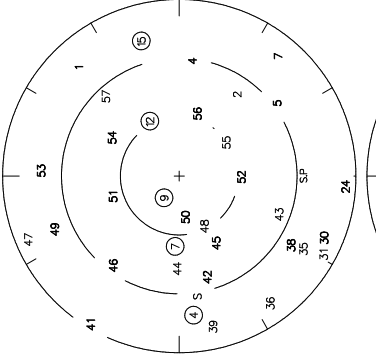
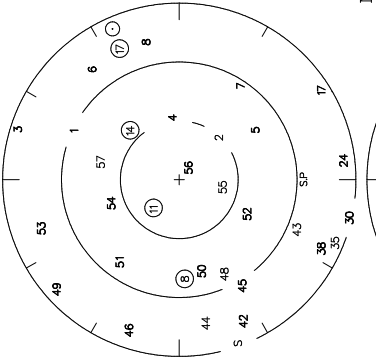
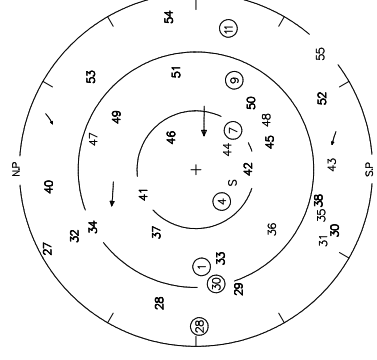
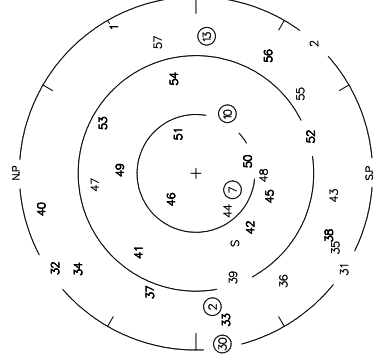
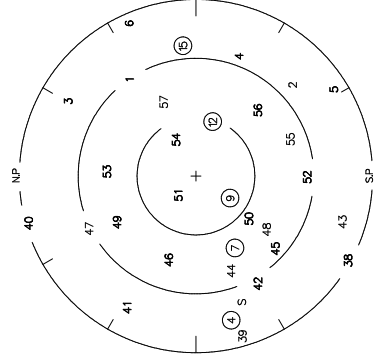
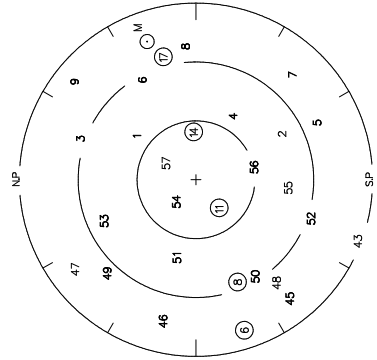
MORNING Sky Diagrams 2015 MAY

No.	STARS	
	Magnitude	Vis. S-4
1	2.1	18
2	2.4	3.9
3	2.2	4.1
4	2.0	3.6
5	0.5	0.1
6	2.0	3.8
7	3.2	3.2
8	2.5	5.3
9	1.8	2.4
10	0.9	3.1
11	0.1	0.0
12	0.1	1.3
13	1.6	1.2
14	1.7	1.4
15	1.7	1.3
16	0.6*	3.1*
17	-0.7	-0.8
18	-1.5	-1.5
19	1.5	1.2
20	0.4	0.8
21	1.1	2.5
22	1.9	3.3
23	2.2	4.6
24	1.7	1.6
25	2.0	4.4
26	1.4	1.0
27	1.8	3.4
28	2.1	2.2
29	2.6	2.5
30	1.3	0.5
31	1.6	4.1
32	1.8	1.5
33	1.0	0.7
34	1.9	1.5
35	0.6	0.3
36	2.1	3.5
37	0.0	1.9
38	-0.3	0.9
39	2.8	3.2
40	2.1	4.3
41	2.2	2.1
42	1.0	3.7
43	1.9	4.1
44	2.4	2.5
45	1.6	1.3
46	2.1	2.2
47	2.2	4.6
48	1.9	2.0
49	0.0	0.0
50	2.0	1.9
51	0.8	1.0
52	1.9	1.7
53	1.3	1.4
54	2.4	4.8
55	1.7	1.8
56	1.2	1.3
57	2.5	2.3
58	2.0	3.2

*var. ±0.5 mag.



The positions of the stars, planets, and Sun are shown for the fifteenth of the month.



☉ Sun

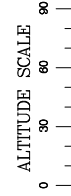
☾ MOON

- ① Position, 1st of month
- ② Position, 2nd of month
- etc.

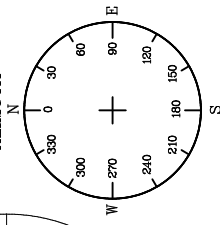
PLANETS Vis. Mag.

- V Venus -4.2
- M Mars 1.5
- J Jupiter -2.0
- S Saturn 0.1

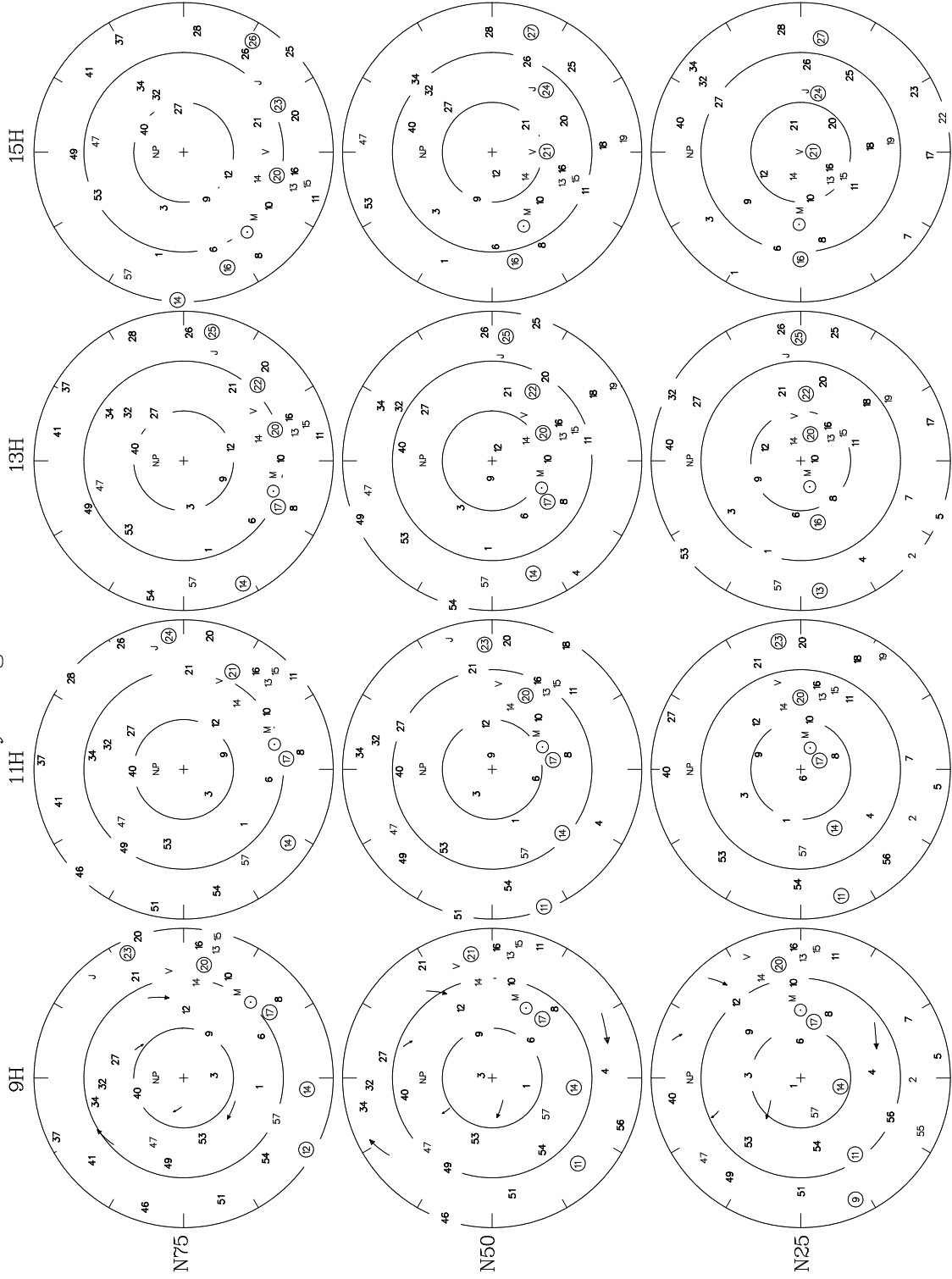
POLES
N•P North S•P South



AZIMUTH



DAY Sky Diagrams 2015 MAY



No.	STARS	
	Magnitude	Vis. S-4
1	2.1	18
2	2.4	3.9
3	2.2	4.1
4	2.0	3.6
5	0.5	0.1
6	2.0	3.8
7	3.2	3.2
8	2.5	5.3
9	1.8	2.4
10	0.9	3.1
11	0.1	0.0
12	0.1	1.3
13	1.6	1.2
14	1.7	1.4
15	1.7	1.3
16	0.6*	3.1*
17	-0.7	-0.8
18	-1.5	-1.5
19	1.5	1.2
20	0.4	0.8
21	1.1	2.5
22	1.9	3.3
23	2.2	4.6
24	1.7	1.6
25	2.0	4.4
26	1.4	1.0
27	1.8	3.4
28	2.1	2.2
29	2.6	2.5
30	1.3	0.5
31	1.6	4.1
32	1.8	1.5
33	1.0	0.7
34	1.9	1.5
35	0.6	0.3
36	2.1	3.5
37	0.0	1.9
38	-0.3	0.9
39	2.8	3.2
40	2.1	4.3
41	2.2	2.1
42	1.0	3.7
43	1.9	4.1
44	2.4	2.5
45	1.6	1.3
46	2.1	2.2
47	2.2	4.6
48	1.9	2.0
49	0.0	0.0
50	2.0	1.9
51	0.8	1.0
52	1.9	1.7
53	1.3	1.4
54	2.4	4.8
55	1.7	1.8
56	1.2	1.3
57	2.5	2.3
Polaris 2.0		

*var. ±0.5 mag.

The positions of the stars, planets, and Sun are shown for the fifteenth of the month.

☉ Sun

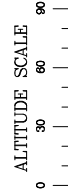
☾ MOON

- ① Position, 1st of month
- ② Position, 2nd of month etc.

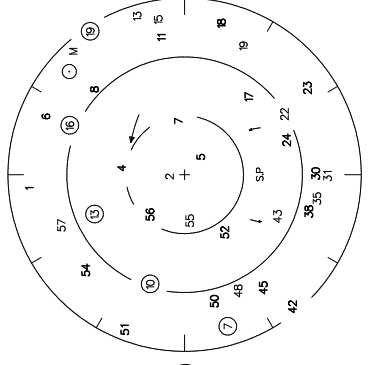
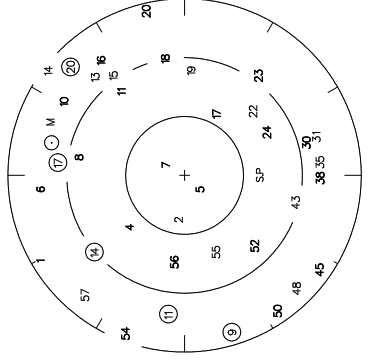
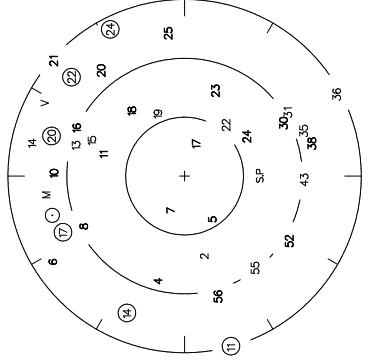
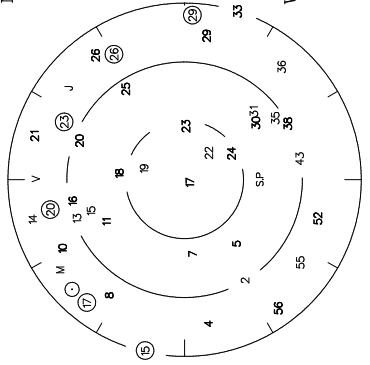
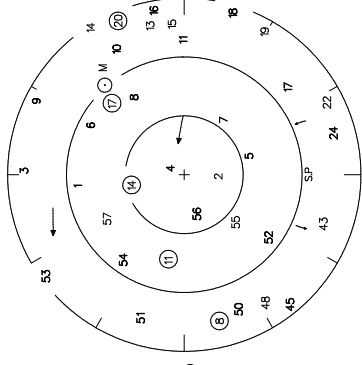
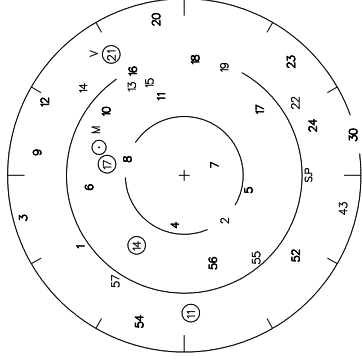
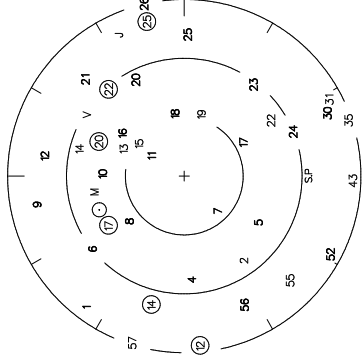
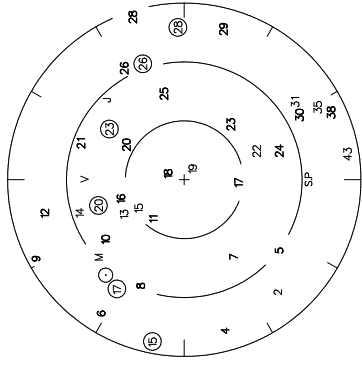
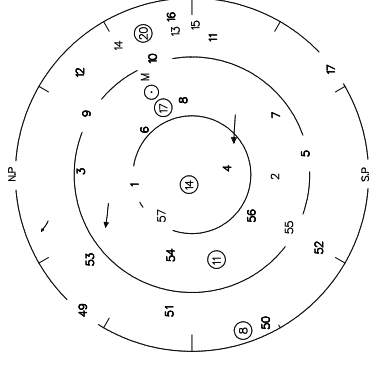
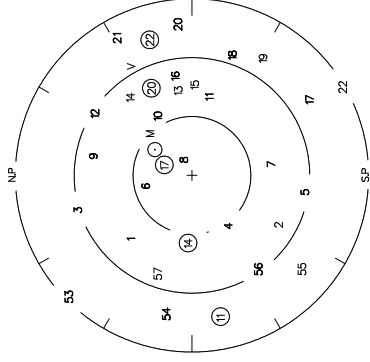
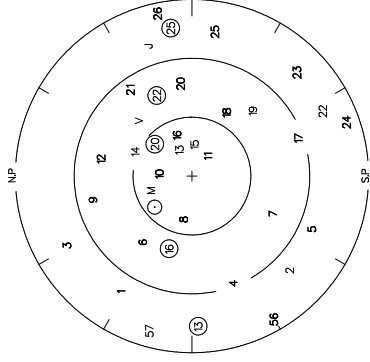
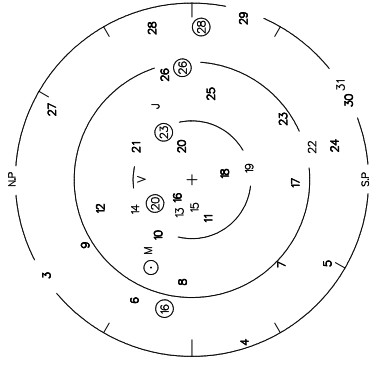
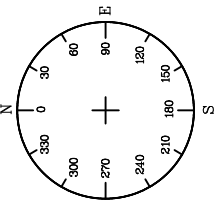
PLANETS Vis. Mag.

- V Venus -4.2
- M Mars 1.5
- J Jupiter -2.0
- S Saturn 0.1

POLES
N•P North S•P South



AZIMUTH



15H

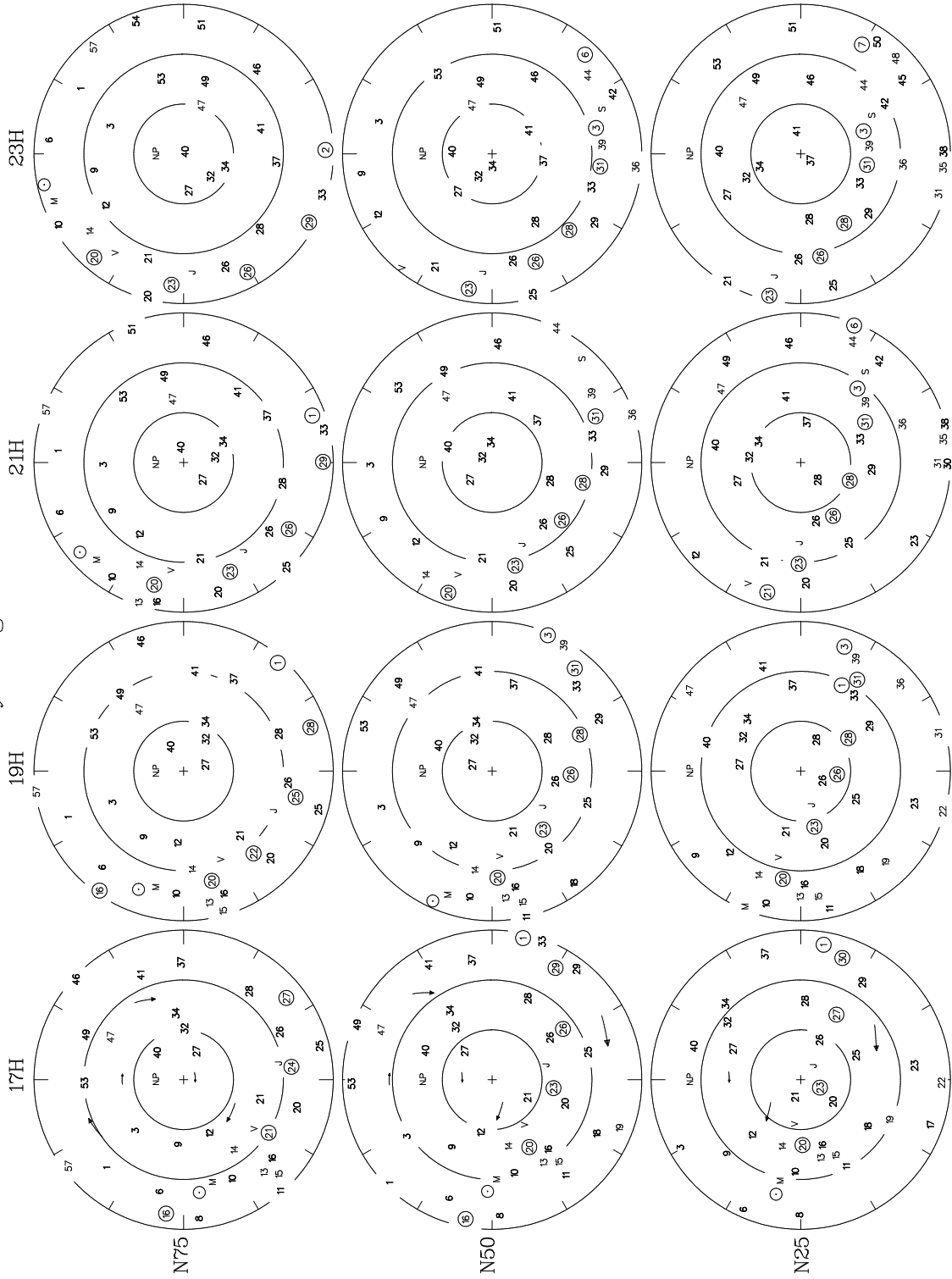
13H

11H

9H

DAY Sky Diagrams 2015 MAY

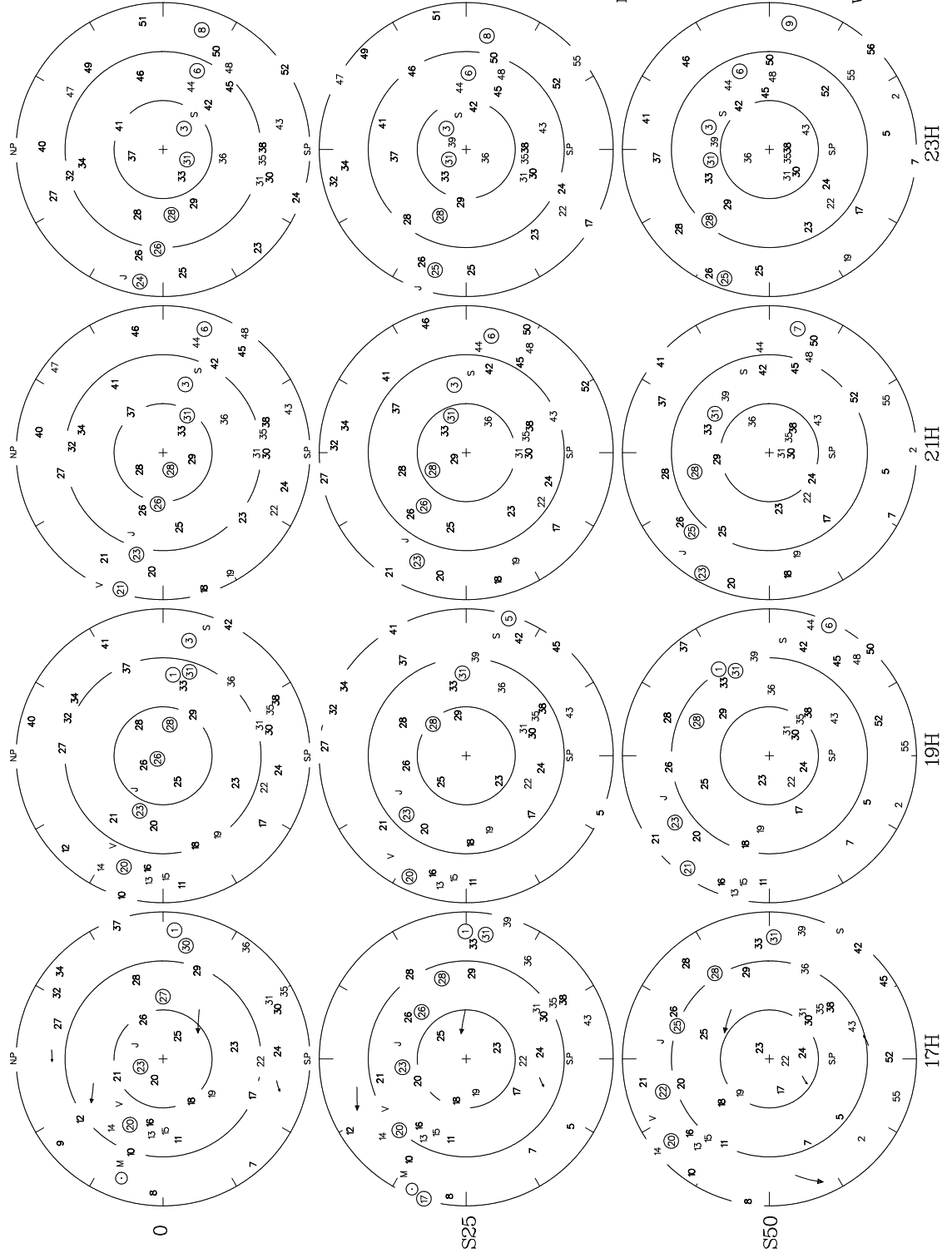
EVENING Sky Diagrams 2015 MAY



No.	STARS	
	Magnitude	Vis. S-4
1	2.1	18
2	2.4	3.9
3	2.2	4.1
4	2.0	3.6
5	0.5	0.1
6	2.0	3.8
7	3.2	3.2
8	2.5	5.3
9	1.8	2.4
10	0.9	3.1
11	0.1	0.0
12	0.1	1.3
13	1.6	1.2
14	1.7	1.4
15	1.7	1.3
16	0.6*	3.1*
17	-0.7	-0.8
18	-1.5	-1.5
19	1.5	1.2
20	0.4	0.8
21	1.1	2.5
22	1.9	3.3
23	2.2	4.6
24	1.7	1.6
25	2.0	4.4
26	1.4	1.0
27	1.8	3.4
28	2.1	2.2
29	2.6	2.5
30	1.3	0.5
31	1.6	4.1
32	1.8	1.5
33	1.0	0.7
34	1.9	1.5
35	0.6	0.3
36	2.1	3.5
37	0.0	1.9
38	-0.3	0.9
39	2.8	3.2
40	2.1	4.3
41	2.2	2.1
42	1.0	3.7
43	1.9	4.1
44	2.4	2.5
45	1.6	1.3
46	2.1	2.2
47	2.2	4.6
48	1.9	2.0
49	0.0	0.0
50	2.0	1.9
51	0.8	1.0
52	1.9	1.7
53	1.3	1.4
54	2.4	4.8
55	1.7	1.8
56	1.2	1.3
57	2.5	2.3
Polaris 2.0		3.2

*var. ±0.5 mag.

The positions of the stars, planets, and Sun are shown for the fifteenth of the month.



☉ Sun

☾ MOON

- ① Position, 1st of month
- ② Position, 2nd of month
- etc.

PLANETS Vis. Mag.

- V Venus -4.2
- M Mars 1.5
- J Jupiter -2.0
- S Saturn 0.1

POLES
N•P North S•P South

