

# NE Quadrant

Target	Type	Constellation	RA	Dec	Mag
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## BASIC LIST

M110	Gal	Andromeda	00 40.4	41 41	8.1
M33	Gal	Triangulum	01 33 50.8	30 39 37	5.7
NGC2403	Gal	Camelopardalis	07 36 51.8	65 36 13	8.4
NGC7662	PN	Andromeda	23 25	42 37	8.3
NGC7789	OC	Cassiopeia	23 57	56 42.5	6.7

Wild Card

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## ADVANCED LIST

IC289	PN	Cassiopeia	03 10	61 19	13.3
NGC1501	PN	Camelopardalis	4 6 59.41	60 55 14.5	11.5
NGC605	Gal	Andromeda	1 35	41 51	12.9
NGC7265	Gal	Lacerta	22 22.5	36 13	12.2
NGC7139	PN	Cepheus	21 46	63 47	13.3

Wild Card

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# NW Quadrant

Target	Type	Constellation	RA	Dec	Mag
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## BASIC LIST

M81	Gal	Ursa Major	09 55 32.9	69 03 55	6.8
M56	GC	Lyra	19 16 36	30 11 00	8.3
NGC2841	Gal	Ursa Major	9 22	50 58	9.9
NGC4236	Gal	Draco	12 16.7	69 28	10.5
M13	GC	Hercules	16 41 41.4	36 27 36	5.7

Wild Card

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## ADVANCED LIST

PAL14	GC	Hercules	16 11 04.9	14 57 29	14.7
NGC4331	Gal	Draco	12 22.4	76 11	15.0
IC4593	PN	Hercules	16 11 44.5	12 04 17	10.7
NGC6255	Gal	Hercules	16 54	36 30	12.7
NGC6166	Gal	Hercules	16 28.6	39 33	11.8

Wild Card

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## SE Quadrant

Target	Type	Constellation	RA	Dec	Mag
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### BASIC LIST

M30	GC	Capricorn	21 40	-23 11	7.2
NGC7009	PN	Aquarius	21 04 10.7	-17 21 49	8
M15	GC	Pegasus	21 29 58.4	12 10 00	6
M72	GC	Aquarius	20 53 27.9	-22 32 13	9.4
NGC157	Gal	Cetus	0 34	-8 23	10.4

Wild Card

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### ADVANCED LIST

Triton	Moon	Aquarius			
NGC1045	Gal	Cetus	02 40.5	-11 17	13
Abell70	PN	Aquarius	20 31 35	-7 5 12	14.7
NGC7814	Gal	Pegasus	00 03 14.9	16 08 44	11.6
NGC7177	Gal	Pegasus	22 0	14 44	11.2

Wild Card

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## SW Quadrant

Target	Type	Constellation	RA	Dec	Mag
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### BASIC LIST

M27	PN	Vulpecula	19 59 36	22 43 16	7.3
M107	GC	Ophiuchus	16 32	-13 3	8.2
NGC6826	PN	Cygnus	19 44	50 31	8.8
M20	EN	Sagittarius	18 02	-23 02	6.3
M22	GC	Sagittarius	18 36 24	-23 54 00	5.1

Wild Card

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### ADVANCED LIST

PAL5	GC	Serpens	15 16 05.3	-00 06 41	11.8
NGC6537	PN	Sagittarius	18 05	-19 50	12
NGC6764	Gal	Cygnus	19 8	50 56	11.9
NGC6240	Gal	Ophiuchus	16 53	2 24	12.9
Terzan5	GC	Sagittarius	17 48 04.9	-24 48 45	13.8

Wild Card

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## 2019 Okie-Tex Observing Lists

- Do either Basic or Advanced list.
- There are four lists of 5 each for each quadrant of the sky.
- Objects will be in the sky at or shortly after sunset . . . no late nights!
- Each list has a Wild Card entry. You can substitute a target of your choice for one on each list.
- Wild Cards must be Mag 8 or brighter for Basic lists and Mag 11 or dimmer for Advanced.
- Turn in completed lists by noon Saturday, 9-28.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Email \_\_\_\_\_