

PLANETARY CHALLENGE

NAME _____

SCOPE _____

ADDRESS _____ CITY _____ ST _____ ZIP _____

Object	Const	R.A.	Dec	Size (Arcsec)	Mag Planetary	Mag Star	Surface Brightness	S/T	Date	Time	Description
IC4593	Her	16 11 45	+12 04 17	15 x 11	11.40	11.2	7.43				
IC4599	Sco	16 19 23	-42 15 36	16 x 13	12.40	16.3	9.31				
NGC6153	Sco	16 31 30	-40 15 13	28 x 21	11.50	16.1	8.65				
NGC6210	Her	16 44 30	+23 48 00	20 x 13	9.70	12.3	5.91				
NGC6302	Sco	17 13 44	-37 06 14	83 x 24	12.80	?	9.02				
NGC6337	Sco	17 22 15	-38 29 01	49 x 45	12.0	12.0	11.47				
NGC6309	Oph	17 14 04	-12 54 38	22 x 12	10.80	14.4	8.57				
NGC6369	Oph	17 29 21	-23 45 35	38	12.90	16.0p	10.53				
NGC6445	Sgr	17 49 15	-20 00 34	38 x 29	13.20	19.1p	9.64				
NGC6543	Dra	17 58 33	+66 37 59	23 x 18	8.80	10.9	5.7				
NGC6563	Sgr	18 12 03	-33 52 06	50 x 37	13.80	18.0p	10.31				
NGC6572	Oph	18 12 06	+06 51 13	14 x 9	9.0	13.6	4.26				
NGC6567	Sgr	18 13 45	-19 04 34	11 x 7	11.70	15.0p	6.42				
IC1297	CrA	19 17 23	-39 36 47	8 x 6	10.60	14.2	5.98				
NGC6781	Aql	19 18 28	+06 32 23	106	11.80	16.3p	12.84				
NGC6804	Aql	19 31 36	+09 13 30	63 x 50	11.00	13.0p	11.0				
NGC6818	Sgr	19 43 58	-14 09 11	22 x 15	10.00	16.9	7.00				
NGC6826	Cyg	19 44 48	+50 31 30	27 x 24	9.80	10.6	6.99				
NGC6853	Vul	19 59 36	+22 43 16	480 x 340	7.60	12.0	11.27				
NGC6891	Del	20 15 09	+12 42 15	12	11.40	11.1p	7.38				
NGC6894	Cyg	20 16 24	+30 33 55	55	11.50	17.5p	11.59				

You may use any means to locate these planetary nebulae, including go-to. Be sure to indicate what filter you used.

The person(s) with the greatest number observed will be entered in the observing award drawing.