

# ARP PECULIAR GALAXIES



OBSERVATION LOG





# J. L. E. Dreyer's Astronomical Abbreviations

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Ab.....	about	n.....	north
alm.....	almost	neb.....	nebula
am.....	among	nf.....	north following
app.....	appended	np.....	north preceding
att.....	attached	nr.....	near
b.....	brighter	N.....	Nucleus
be.....	between	p.....	pretty
biN.....	binuclear	p.....	preceding
B.....	bright	pg.....	pretty gradually
c.....	considerably	pm.....	pretty much
ch.....	chevelure	ps.....	pretty suddenly
co.....	coarse, coarsely	P.....	poor
com.....	cosmetic	quad.....	quadrilateral
cont.....	in contact	quar.....	quartile
C.....	compressed	r.....	resolvable, mottled
Cl.....	cluster	rr.....	partially resolved, some stars seen
d.....	diameter	rrr.....	well resolved, clearly consisting of stars
def.....	defined	R.....	round
dif.....	diffused	RR.....	exactly round
diffic.....	difficult	Ri.....	rich
dist.....	distance, distant	s.....	suddenly
D.....	double	s.....	south
e.....	extremely, excessively	sp.....	south preceding
ee.....	most extremely	sf.....	south following
er.....	easily resolvable	sc.....	scattered
exc.....	excentric	st.....	stars
E.....	extended	sev.....	several
f.....	following	susp.....	suspected
F.....	faint	sh.....	shaped
g.....	gradually	stell.....	stellar
gr.....	group	S.....	small
i.....	irregular	sm.....	smaller
inv.....	involved, involving	triN.....	trinuclear
iF.....	irregular figure	trap.....	trapezium
l.....	little, long	v.....	very
L.....	large	vv.....	very, very
m.....	much	var.....	variable
mm.....	mixed magnitudes	!.....	remarkable
mn.....	milky nebulosity	!!.....	very remarkable
M.....	middle, or in the middle	!!!.....	a magnificent object
		st 9...	stars from the 9th magnitude downwards
		st 9...13	stars from the 9th to 13th magnitude

# GENERAL DESCRIPTION GUIDELINES

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## Galaxies

Did you use direct or averted vision?  
What is the overall shape?  
Is the core noticeable, compact, stellar ?  
Can structure be seen in the galaxy, mottling, bright or dark patches or lanes?  
Are the outer edges sharp or diffuse?  
Identify any other DSO in the field.

## Globular Clusters

Did you use direct or averted vision?  
Is the core bright, compact, or not distinguishable?  
Is it highly or loosely concentrated?  
Is any part of it resolved into stars, averted vision or not, or does it show mottling, or stars resolved at the edges?  
Identify any other DSO in the field.

## Open Clusters

Is it easily distinguished from the background stars, is it well defined?  
Is there a overall shape?  
How many stars can you count in the cluster?  
Are the stars concentrated in any one area?  
Is the cluster fully resolved or is background nebulosity noticed?  
Are there areas where stars are absent in the cluster?  
Are there any brighter stars in the cluster and do any stand out in color?  
Identify any other DSO in the field.

## Open Cluster/ Nebulosity

Did you use direct or averted vision to view the cluster and nebulosity, are filters needed?  
What is the overall shape?  
Are the outer edges sharply defined?  
Can both the cluster and nebulosity be seen with direct vision, or is averted vision or filters needed?  
What is the overall shape?  
Are the outer edges sharply defined?  
Are the stars concentrated in any one area?  
Is the cluster embedded in the nebulosity or is there a distinct separation?  
Is any part of the nebula brighter or more concentrated?  
Are there any voids or dark patches or lanes, bright filaments or streamers in the nebulosity?  
Identify any other DSO in the field.

## Nebula

Did you use direct or averted vision? filters needed?  
What is the overall shape?  
Are the outer edges sharply defined?  
Is any part of the nebula brighter or more concentrated?  
Are there any voids or dark patches or lanes, bright filaments or streamers in the nebulosity?  
Is there an open cluster nearby or involved or any obvious stars involved with the nebulosity?  
Identify any other DSO in the field.

## Planetary Nebula

What is the overall shape, is it disk shaped or more stellar?  
Are the edges sharp or diffuse?  
Is it easy or difficult to identify in the field?  
What is the color of the Planetary?  
Is the center brighter, darker or uniform brightness as the edges?  
Identify any other DSO in the field.

# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-01	NGC-2857					
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Notes:

ARP-05	NGC-3664					
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Notes:

ARP-06	NGC-2637					
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Notes:

ARP-08	NGC-497					
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Notes:

ARP-09	NGC-2523					
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Notes:

ARP-12	NGC-2608					
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Notes:

ARP-13	NGC-7448					
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Notes:

ARP-14	NGC-7314					
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Notes:

ARP-15	NGC-7393					
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Notes:

ARP-18	NGC-4088					
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Notes:

ARP-22	NGC-4027					
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Notes:

ARP-23	NGC-4618					
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Notes:

ARP-24	NGC-3445					
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# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-25	NGC-2276					
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Notes:
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ARP-26	M-101					
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Notes:
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ARP-27	NGC-3631					
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Notes:
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ARP-28	NGC-7678					
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Notes:
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ARP-29	NGC-6946					
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Notes:
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ARP-30	NGC-6365B					
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Notes:
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ARP-34	NGC-4615					
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Notes:
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ARP-37	M-77					
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Notes:
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ARP-38	NGC-6412					
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Notes:
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ARP-39	NGC-1347					
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ARP-42	NGC-5829					
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ARP-49	NGC-5665					
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Notes:
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ARP-68	NGC-7757					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-72	NGC-5996					
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Notes:

ARP-73	IC-1222					
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Notes:

ARP-75	NGC-702					
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Notes:

ARP-76	M-90					
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Notes:

ARP-76	IC-3583					
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Notes:

ARP-77	NGC-1097					
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Notes:

ARP-78	NGC-772					
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Notes:

ARP-80	NGC-2633					
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Notes:

ARP-81	NGC-6621					
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Notes:

ARP-82	NGC-2535					
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Notes:

ARP-84	NGC-5394					
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Notes:

ARP-84	NGC-5395					
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Notes:

ARP-85	M-51A					
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# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-85	M-51B					
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Notes:
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ARP-86	NGC-7753					
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Notes:
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ARP-87	NGC-3808A					
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ARP-89	NGC-2648					
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ARP-90	NGC-5930					
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Notes:
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ARP-91	NGC-5953					
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Notes:
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ARP-91	NGC-5954					
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Notes:
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ARP-93	NGC-7385					
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Notes:
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ARP-94	NGC-3226					
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ARP-94	NGC-3227					
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ARP-99	NGC-7549					
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ARP-99	NGC-7550					
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ARP-104	NGC-5218					
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# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-104	NGC-5216					
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ARP-111	NGC-5421					
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ARP-112	NGC-7805					
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ARP-114	NGC-2300					
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ARP-116	NGC-4647					
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ARP-116	M-60					
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ARP-118	NGC-1143					
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ARP-120	NGC-4438					
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ARP-120	NGC-4435					
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ARP-123	NGC-1888					
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ARP-127	NGC-191					
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ARP-133	NGC-541					
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ARP-134	M-49					
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# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-135	NGC-1023					
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ARP-140	NGC-274					
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ARP-143	NGC-2444					
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ARP-152	M-87					
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ARP-155	NGC-3656					
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ARP-157	NGC-520					
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ARP-159	NGC-4747					
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ARP-160	NGC-4194					
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ARP-162	NGC-3414					
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ARP-163	NGC-4670					
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ARP-164	NGC-455					
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ARP-165	NGC-2418					
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ARP-166	NGC-751					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-167	NGC-2673					
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Notes:

ARP-168	M-32					
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ARP-171	NGC-5718					
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ARP-176	NGC-4933A					
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Notes:

ARP-176	NGC-4933B					
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Notes:

ARP-178	NGC-5614					
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Notes:

ARP-181	NGC-3212					
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ARP-181	NGC-3215					
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Notes:

ARP-184	NGC-1961					
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ARP-185	NGC-6217					
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ARP-189	NGC-4651					
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Notes:

ARP-199	NGC-5544					
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ARP-200	NGC-1134					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-202	NGC-2719					
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ARP-205	NGC-3448					
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Notes:

ARP-206	NGC-3432					
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Notes:

ARP-209	NGC-6052					
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ARP-210	NGC-1569					
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ARP-212	NGC-7625					
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ARP-213	IC-356					
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ARP-214	NGC-3718					
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ARP-215	NGC-2782					
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ARP-217	NGC-3310					
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ARP-220	IC-4553					
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ARP-224	NGC-3921					
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ARP-225	NGC-2655					
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# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-226	NGC-7252					
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ARP-227	NGC-470					
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ARP-227	NGC-474					
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ARP-232	NGC-2911					
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ARP-234	NGC-3738					
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ARP-235	NGC-14					
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ARP-239	NGC-5278					
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ARP-240	NGC-5257					
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ARP-240	NGC-5258					
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ARP-243	NGC-2623					
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ARP-244	NGC-4038					
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ARP-244	NGC-4039					
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ARP-261	PGC-52935					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-262	UGC-12856					
Notes:						

ARP-263	NGC-3239					
Notes:						

ARP-264	NGC-3104					
Notes:						

ARP-268	HolmbergII					
Notes:						

ARP-269	NGC-4485					
Notes:						

ARP-269	NGC-4490					
Notes:						

ARP-270	NGC-3395					
Notes:						

ARP-270	NGC-3396					
Notes:						

ARP-271	NGC-5426					
Notes:						

ARP-271	NGC-5427					
Notes:						

ARP-274	NGC-5679					
Notes:						

ARP-274	NGC-5679A					
Notes:						

ARP-276	NGC-935					
Notes:						

# ARP Observation Log

Observer	
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Object	Date	Time	Site	See	Tran	Equipment
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ARP-277	NGC-4810					
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Notes:
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ARP-279	NGC-1253					
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Notes:
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ARP-280	NGC-3769					
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ARP-281	NGC04631					
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Notes:
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ARP-283	NGC-2798					
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Notes:
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ARP-284	NGC-7714					
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Notes:
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ARP-285	NGC-2854					
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Notes:
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ARP-285	NGC-2856					
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Notes:
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ARP-286	NGC-5560					
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Notes:
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ARP-286	NGC-5566					
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Notes:
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ARP-286	NGC-5569					
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Notes:
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ARP-288	NGC-5221					
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Notes:
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ARP-289	NGC-3981					
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Notes:
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-294	NGC-3788					
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Notes:

ARP-294	NGC-3786					
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Notes:

ARP-297	NGC-5754					
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Notes:

ARP-299	NGC-3690					
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Notes:

ARP-300	UGC-05029					
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Notes:

ARP-304	NGC-1241					
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Notes:

ARP-307	NGC-2872					
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Notes:

ATP-307	NGC-2874					
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Notes:

ARP-308	NGC-547					
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Notes:

ARP-309	NGC-942					
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Notes:

ARP-315	NGC-2831					
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Notes:

ARP-316	NGC-3189					
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Notes:

ARP-316	NGC-3193					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-317	NGC-3628					
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Notes:

ARP-317	M-65					
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Notes:

ARP-317	M-66					
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Notes:

ARP-318	NGC-839					
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Notes:

ARP-318	NGC-833					
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Notes:

ARP-318	NGC-853					
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Notes:

ARP-319	NGC-7320					
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Notes:

ARP-331	NGC-384					
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Notes:

ARP-331	NGC-385					
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Notes:

ARP-331	NGC-380					
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Notes:

ARP-331	NGC-379					
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Notes:

ARP-331	NGC-383					
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Notes:

ARP-332	NGC-1228					
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# ARP Observation Log

Observer

Object	Date	Time	Site	See	Tran	Equipment
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ARP-332	IC-1892					
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Notes:

ARP-333	NGC-1024					
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Notes:

ARP-336	NGC-2685					
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Notes:

ARP-337	M-82					
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