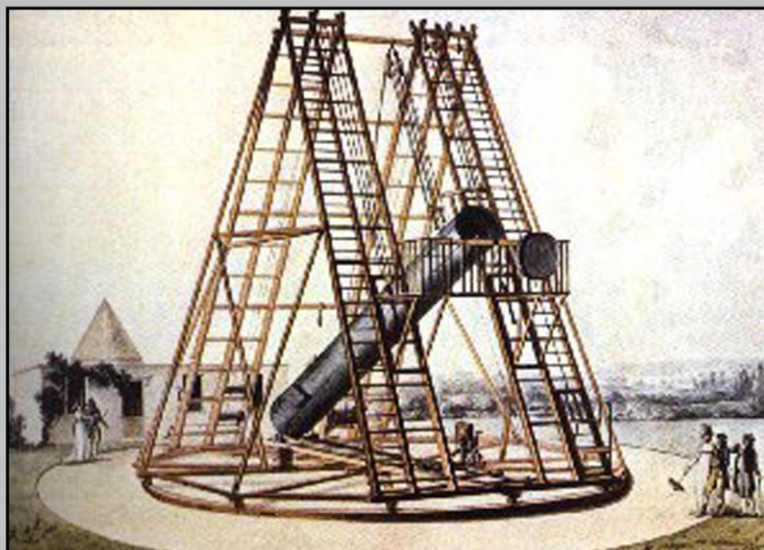


HERSCHEL 400 II



OBSERVATION LOG

J. L. E. Dreyer's Astronomical Abbreviations

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

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.

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-023						
Notes:						
NGC-024						
Notes:						
NGC-125						
Notes:						
NGC-151						
Notes:						
NGC-175						
Notes:						
NGC-198						
Notes:						
NGC-206						
Notes:						
NGC-214						
Notes:						
NGC-217						
Notes:						
NGC-315						
Notes:						
NGC-337						
Notes:						
NGC-357						
Notes:						
NGC-410						
Notes:						
NGC-428						
Notes:						
NGC-499						
Notes:						
NGC-513						
Notes:						
NGC-514						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-604						
Notes:						
NGC-636						
Notes:						
NGC-660						
Notes:						
NGC-665						
Notes:						
NGC-672						
Notes:						
NGC-706						
Notes:						
NGC-718						
Notes:						
NGC-741						
Notes:						
NGC-821						
Notes:						
NGC-890						
Notes:						
NGC-896						
Notes:						
NGC-925						
Notes:						
NGC-991						
Notes:						
NGC-1003						
Notes:						
NGC-1012						
Notes:						
NGC-1032						
Notes:						
NGC-1035						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-1045						
Notes:						
NGC-1058						
Notes:						
NGC-1060						
Notes:						
NGC-1070						
Notes:						
NGC-1073						
Notes:						
NGC-1087						
Notes:						
NGC-1090						
Notes:						
NGC-1114						
Notes:						
NGC-1156						
Notes:						
NGC-1161						
Notes:						
NGC-1162						
Notes:						
NGC-1169						
Notes:						
NGC-1172						
Notes:						
NGC-1175						
Notes:						
NGC-1184						
Notes:						
NGC-1187						
Notes:						
NGC-1193						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-1199						
Notes:						
NGC-1207						
Notes:						
NGC-1209						
Notes:						
NGC-1325						
Notes:						
NGC-1332						
Notes:						
NGC-1348						
Notes:						
NGC-1353						
Notes:						
NGC-1400						
Notes:						
NGC-1421						
Notes:						
NGC-1491						
Notes:						
NGC-1507						
Notes:						
NGC-1514						
Notes:						
NGC-1579						
Notes:						
NGC-1582						
Notes:						
NGC-1587						
Notes:						
NGC-1600						
Notes:						
NGC-1605						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-1618						
Notes:						
NGC-1624						
Notes:						
NGC-1637						
Notes:						
NGC-1662						
Notes:						
NGC-1663						
Notes:						
NGC-1700						
Notes:						
NGC-1750						
Notes:						
NGC-1762						
Notes:						
NGC-1778						
Notes:						
NGC-1779						
Notes:						
NGC-1832						
Notes:						
NGC-1883						
Notes:						
NGC-1977						
Notes:						
NGC-1990						
Notes:						
NGC-2023						
Notes:						
NGC-2071						
Notes:						
NGC-2112						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-2139						
Notes:						
NGC-2170						
Notes:						
NGC-2182						
Notes:						
NGC-2192						
Notes:						
NGC-2196						
Notes:						
NGC-2236						
Notes:						
NGC-2245						
Notes:						
NGC-2252						
Notes:						
NGC-2253						
Notes:						
NGC-2254						
Notes:						
NGC-2259						
Notes:						
NGC-2261						
Notes:						
NGC-2269						
Notes:						
NGC-2274						
Notes:						
NGC-2283						
Notes:						
NGC-2302						
Notes:						
NGC-2309						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-2316						
Notes:						
NGC-2331						
Notes:						
NGC-2339						
Notes:						
NGC-2346						
Notes:						
NGC-2347						
Notes:						
NGC-2359						
Notes:						
NGC-2366						
Notes:						
NGC-2367						
Notes:						
NGC-2374						
Notes:						
NGC-2396						
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NGC-2414						
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NGC-2415						
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NGC-2432						
Notes:						
NGC-2467						
Notes:						
NGC-2493						
Notes:						
NGC-2500						
Notes:						
NGC-2525						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-2541						
Notes:						
NGC-2610						
Notes:						
NGC-2639						
Notes:						
NGC-2756						
Notes:						
NGC-2765						
Notes:						
NGC-2781						
Notes:						
NGC-2784						
Notes:						
NGC-2805						
Notes:						
NGC-2855						
Notes:						
NGC-2880						
Notes:						
NGC-2889						
Notes:						
NGC-2986						
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NGC-3065						
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NGC-3067						
Notes:						
NGC-3073						
Notes:						
NGC-3078						
Notes:						
NGC-3107						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-3145						
Notes:						
NGC-3156						
Notes:						
NGC-3158						
Notes:						
NGC-3162						
Notes:						
NGC-3177						
Notes:						
NGC-3225						
Notes:						
NGC-3254						
Notes:						
NGC-3274						
Notes:						
NGC-3301						
Notes:						
NGC-3319						
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NGC-3338						
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NGC-3359						
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NGC-3424						
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NGC-3430						
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NGC-3507						
Notes:						
NGC-3511						
Notes:						
NGC-3513						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-3516						
Notes:						
NGC-3524						
Notes:						
NGC-3547						
Notes:						
NGC-3583						
Notes:						
NGC-3585						
Notes:						
NGC-3596						
Notes:						
NGC-3599						
Notes:						
NGC-3605						
Notes:						
NGC-3611						
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NGC-3622						
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NGC-3636						
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NGC-3637						
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NGC-3642						
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NGC-3646						
Notes:						
NGC-3652						
Notes:						
NGC-3659						
Notes:						
NGC-3666						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-3668						
Notes:						
NGC-3669						
Notes:						
NGC-3672						
Notes:						
NGC-3681						
Notes:						
NGC-3682						
Notes:						
NGC-3683						
Notes:						
NGC-3689						
Notes:						
NGC-3693						
Notes:						
NGC-3705						
Notes:						
NGC-3732						
Notes:						
NGC-3756						
Notes:						
NGC-3887						
Notes:						
NGC-3892						
Notes:						
NGC-4013						
Notes:						
NGC-4024						
Notes:						
NGC-4039						
Notes:						
NGC-4045						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-4047						
Notes:						
NGC-4062						
Notes:						
NGC-4073						
Notes:						
NGC-4096						
Notes:						
NGC-4100						
Notes:						
NGC-4105						
Notes:						
NGC-4124						
Notes:						
NGC-4133						
Notes:						
NGC-4136						
Notes:						
NGC-4138						
Notes:						
NGC-4144						
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NGC-4152						
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NGC-4157						
Notes:						
NGC-4168						
Notes:						
NGC-4169						
Notes:						
NGC-4185						
Notes:						
NGC-4189						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-4212						
Notes:						
NGC-4217						
Notes:						
NGC-4220						
Notes:						
NGC-4224						
Notes:						
NGC-4233						
Notes:						
NGC-4235						
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NGC-4236						
Notes:						
NGC-4237						
Notes:						
NGC-4241						
Notes:						
NGC-4244						
Notes:						
NGC-4248						
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NGC-4250						
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NGC-4256						
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NGC-4260						
Notes:						
NGC-4264						
Notes:						
NGC-4267						
Notes:						
NGC-4270						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-4271						
Notes:						
NGC-4290						
Notes:						
NGC-4291						
Notes:						
NGC-4294						
Notes:						
NGC-4298						
Notes:						
NGC-4299						
Notes:						
NGC-4302						
Notes:						
NGC-4310						
Notes:						
NGC-4312						
Notes:						
NGC-4313						
Notes:						
NGC-4319						
Notes:						
NGC-4336						
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NGC-4339						
Notes:						
NGC-4340						
Notes:						
NGC-4343						
Notes:						
NGC-4359						
Notes:						
NGC-4369						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-4379						
Notes:						
NGC-4395						
Notes:						
NGC-4487						
Notes:						
NGC-4519						
Notes:						
NGC-4571						
Notes:						
NGC-4586						
Notes:						
NGC-4605						
Notes:						
NGC-4608						
Notes:						
NGC-4612						
Notes:						
NGC-4639						
Notes:						
NGC-4647						
Notes:						
NGC-4691						
Notes:						
NGC-4742						
Notes:						
NGC-4880						
Notes:						
NGC-4902						
Notes:						
NGC-4904						
Notes:						
NGC-4914						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-4915						
Notes:						
NGC-4928						
Notes:						
NGC-4939						
Notes:						
NGC-4941						
Notes:						
NGC-4956						
Notes:						
NGC-4981						
Notes:						
NGC-4984						
Notes:						
NGC-4999						
Notes:						
NGC-5012						
Notes:						
NGC-5018						
Notes:						
NGC-5020						
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NGC-5023						
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NGC-5037						
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NGC-5044						
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NGC-5053						
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NGC-5056						
Notes:						
NGC-5061						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-5068						
Notes:						
NGC-5077						
Notes:						
NGC-5078						
Notes:						
NGC-5084						
Notes:						
NGC-5087						
Notes:						
NGC-5103						
Notes:						
NGC-5129						
Notes:						
NGC-5134						
Notes:						
NGC-5204						
Notes:						
NGC-5308						
Notes:						
NGC-5371						
Notes:						
NGC-5383						
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NGC-5426						
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NGC-5430						
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NGC-5440						
Notes:						
NGC-5443						
Notes:						
NGC-5444						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-5445						
Notes:						
NGC-5447						
Notes:						
NGC-5448						
Notes:						
NGC-5462						
Notes:						
NGC-5480						
Notes:						
NGC-5481						
Notes:						
NGC-5485						
Notes:						
NGC-5490						
Notes:						
NGC-5493						
Notes:						
NGC-5506						
Notes:						
NGC-5507						
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NGC-5520						
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NGC-5523						
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NGC-5529						
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NGC-5533						
Notes:						
NGC-5548						
Notes:						
NGC-5560						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-5582						
Notes:						
NGC-5585						
Notes:						
NGC-5590						
Notes:						
NGC-5595						
Notes:						
NGC-5597						
Notes:						
NGC-5600						
Notes:						
NGC-5602						
Notes:						
NGC-5605						
Notes:						
NGC-5638						
Notes:						
NGC-5660						
Notes:						
NGC-5668						
Notes:						
NGC-5687						
Notes:						
NGC-5728						
Notes:						
NGC-5750						
Notes:						
NGC-5775						
Notes:						
NGC-5791						
Notes:						
NGC-5806						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-5812						
Notes:						
NGC-5813						
Notes:						
NGC-5831						
Notes:						
NGC-5838						
Notes:						
NGC-5850						
Notes:						
NGC-5854						
Notes:						
NGC-5861						
Notes:						
NGC-5864						
Notes:						
NGC-5878						
Notes:						
NGC-5879						
Notes:						
NGC-5899						
Notes:						
NGC-5970						
Notes:						
NGC-5985						
Notes:						
NGC-6015						
Notes:						
NGC-6058						
Notes:						
NGC-6070						
Notes:						
NGC-6106						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-6155						
Notes:						
NGC-6166						
Notes:						
NGC-6181						
Notes:						
NGC-6239						
Notes:						
NGC-6340						
Notes:						
NGC-6507						
Notes:						
NGC-6526						
Notes:						
NGC-6548						
Notes:						
NGC-6596						
Notes:						
NGC-6604						
Notes:						
NGC-6717						
Notes:						
NGC-6772						
Notes:						
NGC-6793						
Notes:						
NGC-6800						
Notes:						
NGC-6804						
Notes:						
NGC-6814						
Notes:						
NGC-6824						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-6857						
Notes:						
NGC-6888						
Notes:						
NGC-6894						
Notes:						
NGC-6907						
Notes:						
NGC-6960						
Notes:						
NGC-6991						
Notes:						
NGC-6992						
Notes:						
NGC-6997						
Notes:						
NGC-7023						
Notes:						
NGC-7031						
Notes:						
NGC-7042						
Notes:						
NGC-7067						
Notes:						
NGC-7082						
Notes:						
NGC-7129						
Notes:						
NGC-7139						
Notes:						
NGC-7156						
Notes:						
NGC-7771						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-7177						
Notes:						
NGC-7184						
Notes:						
NGC-7218						
Notes:						
NGC-7245						
Notes:						
NGC-7332						
Notes:						
NGC-7354						
Notes:						
NGC-7377						
Notes:						
NGC-7392						
Notes:						
NGC-7419						
Notes:						
NGC-7457						
Notes:						
NGC-7463						
Notes:						
NGC-7465						
Notes:						
NGC-7507						
Notes:						
NGC-7541						
Notes:						
NGC-7562						
Notes:						
NGC-7600						
Notes:						
NGC-7619						
Notes:						

Herschel 400 II Observation Log

Object	Date	Time	Site	See	Tran	Equipment
NGC-7623						
Notes:						
NGC-7626						
Notes:						
NGC-7635						
Notes:						
NGC-7740						
Notes:						
NGC-7742						
Notes:						
NGC-7762						
Notes:						
NGC-7785						
Notes:						
NGC-7814						
Notes:						
NGC-7832						
Notes:						