

Herschel 400 (I) Observations

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|-------------|-----------------|------------|---|-----------------------------|
| H1-1 | NGC 1055 | Cet | Galaxy SBb: sp | PF,CL,IE80,BM,*11N1' |
| Nov 24 2006 | 12.5" | 12mmT4 | PB,PL,OVAL,HISB,R=G | |
| Sep 27 1981 | 12.5" | 16mm | PB,PL,EDGE ON,FNUC,DIM ARMS,3* IN TRI TO N,DUST LANE E TO W,SBM | |
| Sep 07 1980 | 12.5" | 24mm | FT AND LG,SAME FOV AS M77 | |
| H1-4 | NGC 7009 | Aqr | Planetary Neb 4+6 | PLN,VB,S,ELLIPTIC |
| Aug 15 2009 | 31" | 17mmT4 | VB,VL,HISB,B BLUEISH,RING DET,F NEB AR CNTRBALL,NO CNTR*,OIII,DOESNOT HELP THAT MUCH BUT RING IS EASIER TO DETECT,R=E | |
| Sep 27 2005 | 31" | 17mmT4 | VF,VL,EL-R,HISB,THICK INNER RING,B BLUE,CNTR *,RINGS DET,R=E | |
| Sep 27 2005 | 31" | 17mmT4 | WITH O/III, EB,VL,EL-R,MORE NEB DET BOTH SIDES OF RING,BTR W/O,R=E | |
| Sep 01 2002 | 31" | 9mmT6 | B BLUE,RING SEEN,DETAIL IN NEB DET,BEST VIEW TO DATE | |
| Aug 31 1984 | 12.5" | 12mm | VB,MS,R B BLUEISH NEB,SLT EL,UB | |
| Jul 10 1981 | 12.5" | 16mm | SATURN NEB,RING EASILY SEEN,B BLUE,MB,MS | |
| Oct 31 1980 | 12.5" | 24mm | | |
| Sep 10 1980 | 12.5" | 24mm | | |
| Jul 17 1980 | 12.5" | 24mm | | |
| Jun 18 1980 | 12.5" | 9mm | DISK SHOWN WELL | |
| H1-5 | NGC 253 | ScI | Galaxy SAB(s)c | VVB,VVL,VME54,GBM |
| Sep 06 2002 | 12.5" | 9mmT6 | VB,VL,SPRIAL STR,GLXY 2 FOV IN SIZE,DUST LANES,BREAKS DET,B RGN DET | |
| Sep 23 1981 | 12.5" | 24mm | DIF,MB,EL,EDGE ON,DARMS,DUST LANE,F* CNTR-W ARM S OF NUC,B* SE&W,KNTY STR SP | |
| Oct 31 1980 | 12.5" | 24mm | | |
| Oct 29 1980 | 8" | 24mm | | |
| Sep 09 1980 | 12.5" | 24mm | E!!,BEST SIGHTING TO DATE | |
| Sep 07 1980 | 12.5" | 24mm | | |
| Aug 22 1980 | 12.5" | 24mm | VL | |
| H1-6 | NGC 2420 | Gem | Open Cluster I 1 r | CL,CL,RI,C,ST11...18 |
| Feb 21 1984 | 12.5" | 16mm | SAME,~50-100*S,MB,ML | |
| Oct 30 1981 | 12.5" | 16mm | MB,ML,WELL DISPERSED IN 16MM | |
| H1-8 | NGC 2509 | Pup | Open Cluster I 1 r | CL,B,PRI,LC,ST S |
| Oct 16 1982 | 12.5" | 24mm | MF,ML,~50*S,LOOSE,FEW B*S IN CL | |
| H2-1 | NGC 2775 | Cnc | Galaxy SA(r)ab | CB,CL,R,VGVSMB,R |
| Apr 02 2021 | 36" | 17mmT4 | VB,VL,R,BLNUC,HISB,LOOKS LIKE GLOB CL,GRAN HALO,NUC VB WELL DEFINED,SUDLY MBM,R=E | |
| Feb 21 1984 | 12.5" | 16mm | SAME | |
| Oct 24 1981 | 12.5" | 12mm | DIF,MF,ML,B CNTR RGN,UB,GOOD DEFINITION WHERE ARMS WIND SUR NUC | |
| Dec 03 1980 | 12.5" | 24mm | | |
| H2-5 | NGC 4536 | Vir | Galaxy SAB(rs)bc | B,VL,ME110,SBM,ER |
| May 03 1981 | 12.5" | 24mm | DIF,PB,EL,ELDARM,PAIR/4527 | |
| H2-6 | NGC 2304 | Gem | Open Cluster II 1 m | CL,PL,RI,MC,ST VS |
| Feb 21 1984 | 12.5" | 16mm | SAME | |
| Oct 30 1981 | 12.5" | 16mm | MF,ML,WEDGE SHAPE,F*S SAME MAG,~50*S | |
| Oct 31 1980 | 12.5" | 24mm | VCOMPACT,LOOKS LIKE A GLXY,MANY F*S GIVES APPEAR OF NEB | |
| H2-7 | NGC 2244 | Mon | Open Cluster II 3 r n | CL,BEAUTIFUL,STSC |
| Nov 13 2020 | 36" | 55mm | (II 3 m n),EB,EL,JUST FITS IN FOV,~60*S,SVRL VB*S,LOC IN N2237,NEB W/OIII,(3:42am),R=PF | |
| Mar 18 2007 | 31" | 31mmT5 | EB,EEL,SVRL FOV*S,NICE,FEW B*S WITH VAR MAG,LOOSLY SC,R=G | |
| Feb 25 1984 | 12.5" | 24mm | SAME | |
| Aug 21 1982 | 12.5" | 24mm | MB,VL,SC,7...9 MAG *S,~20*S,ALM FILLS 24MM FOV | |
| Sep 10 1980 | 12.5" | 24mm | | |
| H3-1 | NGC 3166 | Sex | Galaxy SAB(rs)0/a | B,PS,R,PSMBM,2ND OF3 |

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|-------------|-----------------|---|-------------------------------|-----------------------------|
| H3-1 | NGC 3166 | Sex | Galaxy SAB(rs)0/a | B,PS,R,PSMBM,2ND OF3 |
| Nov 24 2006 | 12.5" 12mmT4 | VF,PL,OVAL-R,BLNUC,GMBM,HISB CNTR,HISB,PAIR=3169/3165,R=E | | |
| Oct 22 1982 | 12.5" 16mm | MB,PS,BNUC,R,GBM,HISB TOWARDS CNTR,PAIR/3169 | | |
| H3-2 | NGC 157 | Cet | Galaxy SAB(rs)bc | PB,L,E,BET2CB* |
| Sep 21 1984 | 12.5" 16mm | DIF,PB,BL,12TH MAG * IN E SIDE,HISB,R,KNOTS SUSP,UNIFORM B | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | LG,F,BET 2*S | | |
| H3-8 | NGC 2251 | Mon | Open Cluster III 2 m | CL,VL,E,RI,LC |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | LOOSE AND SC,RECTANGLE SHAPE,~40*S,ALM FILLS 24MM FOV | | |
| H4-1 | NGC 3169 | Sex | Galaxy SA(s)a pec | B,PL,VLE,PGMBM,3RD-3 |
| Nov 24 2006 | 12.5" 12mmT4 | VB,PL,OVAL,BLNUC,HISB,GMBM,PAIRS=3166/3165,R=E | | |
| Oct 22 1982 | 12.5" 16mm | MB,PS,DNUC,R,SBM,MHISB,B*NW,PAIR/3166 | | |
| H4-2 | NGC 596 | Cet | Galaxy E+ pec: | PB,R,BM,R,*6F12' |
| Sep 27 1981 | 12.5" 16mm | MF,PS,BSNUC,B TOWARDS CNTR | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | PAIR/584 | | |
| H4-7 | NGC 1817 | Tau | Open Cluster IV 2 r | CL,L,RI,LC,ST11...14 |
| Dec 25 1984 | 12.5" 48mm | SAME | | |
| Aug 21 1982 | 12.5" 24mm | MB,SL,3B*S IN W PART,WELL PLACED IN 24MM,~50*S,SC | | |
| H5-1 | NGC 3655 | Leo | Galaxy SA(s)c: | PB,PS,IR,BM,R |
| Mar 03 1984 | 12.5" 12mm | DIF,MB,PS,MHISB,OVAL,UB | | |
| Jan 30 1981 | 12.5" 24mm | DIF,PB,VS,DNUC,F HALO | | |
| H5-5 | NGC 4293 | Com | Galaxy (R)SB(s)0/a | F,VL,E,LBM,R |
| Mar 08 2010 | 31" 17mmT4 | MB,PL,ELOIG,EDGE ON,FLNUC,SOME GRAN AREAS DET,R=G | | |
| Feb 12 1983 | 12.5" 16mm | DIF,PF,ML,F*E TIP,NND,KNTS SUSP,UB,SVRL *S OFF ONE SIDE | | |
| Jun 10 1980 | 6" 24mm | | | |
| H5-6 | NGC 2194 | Ori | Open Cluster II 2 r | CL,L,RI,GVMCM |
| Dec 30 1983 | 12.5" 24mm | SAME | | |
| Aug 21 1982 | 12.5" 24mm | MF,PS,40-50*S,F GLOW BET *S,SLT OVAL | | |
| H5-8 | NGC 2264 | Mon | Open Cluster III 3 m n | 15MON,CL,**,(NEB) |
| Mar 05 2021 | 36" 31mmT5 | (III 3 p n),VB,PL,W/OIII,LOOSLY SC,VAR MAG,NEB SUR BTEST *S,SH2-273 SUR N2264,(10:15pm),R=F | | |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MF,ML,11 F*S SUR A B* WITH AN OVAL PATCH OF NEB | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H6-1 | NGC 5363 | Vir | Galaxy I0? | B,PL,R,PSBM,*8NF |
| Feb 12 1983 | 12.5" 16mm | VB,ML,BNUC,R,BM,PAIR/5364 | | |
| H6-3 | NGC 4698 | Vir | Galaxy SA(s)ab | CB,PL,IR,BM,R |
| Mar 27 1982 | 12.5" 12mm | MF,MS,DNUC,DIF HALO,SBM,R,BET 2F*S | | |
| H6-6 | NGC 2355 | Gem | Open Cluster II 2 m | CL,PS,PRI,MC,*15..16 |
| Feb 21 1984 | 12.5" 16mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MF,ML,B* N 1 OBJECT DIA,FEW B*S WITH 50 FTR *S,SC | | |
| Oct 30 1981 | 12.5" 24mm | B* SUR BY SVRL F*S,DIF HALO OF FTR *S IN BG | | |
| H7-7 | NGC 6520 | Sgr | Open Cluster I 2 r n | CL,PS,RI,LC,ST9...13 |
| May 12 2021 | 36" 55mm | (I 3 r n),VB,ML,NICE FOV,CL EASILY DET,~50*S VAR MAG,CNTR OF CL NICE GRP OF F*,W/OIII,CNTR GRP IN NEB,NEB EASILY DET,(3:28am),R=G | | |
| Jul 01 2019 | 36" 17mmT4 | PB,PL,~50 *S,CIRCULAR,EVENLY DIST,NICE SIZE IN FOV,R=G | | |

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| H7-7 | NGC 6520 | Sgr | Open Cluster I 2 r n | CL,PS,RI,LC,ST9...13 |
| Jul 01 2019 | 36" | 17mmT4 | PB,PL,~50 *S,CIRCULAR,EVENLY DIST,NICE SIZE IN FOV,R=G | |
| Sep 20 1984 | 12.5" | 12mm | MF,ML,2*S IN CNTR ~SAME MAG,SC,B*S WITH F* IN CNTR | |
| Aug 13 1982 | 12.5" | 24mm | MB,ML,LOOSE,R,40*S,20F*S CL TOWARDS CNTR,8...12MAG | |
| Jun 18 1980 | 12.5" | 24mm | | |
| H8-5 | NGC 3628 | Leo | Galaxy Sb pec sp | PB,VL,VME102 |
| Mar 06 2010 | 31" | 17mmT4 | EB,EL,EDGE ON UB,SHISB,SVRL F*S IN TIP,DUST LANE,2 HALVES,ONE HALF THICKER THAN OTHER,R=EE | |
| Mar 03 1984 | 12.5" | 12mm | DIF,MF,PL,EDGE ON,VF*S S OF EAST ARM,DARK LANES DET,UB,NND | |
| Mar 27 1981 | 12.5" | 24mm | | |
| Jan 30 1981 | 12.5" | 24mm | DIF,PF,EL,EDGE ON,F HALO,PAIR/M66/M65/3626 | |
| Dec 03 1980 | 12.5" | 24mm | | |
| Jun 10 1980 | 6" | 24mm | BET 2 F*S,SAME FOV AS M65/M66 | |
| H8-6 | NGC 5897 | Lib | Globular XI | GCL,PF,L,VIR,VGBM, |
| Jun 25 2019 | 36" | 17mmT4 | (Class XII),MB,ML,R,ABOUT 12 BTR *S ON TOP OF L F GLOW OF *S,R=GE | |
| May 02 1981 | 12.5" | 16mm | PB,EL | |
| H8-7 | NGC 6940 | Vul | Open Cluster III 2 r | CL,VB,VL,VRI,CC,STPL |
| Sep 19 1984 | 12.5" | 16mm | VB,VL,*S SC AND ~SAME MAG,FILLS FOV | |
| Jul 30 1981 | 12.5" | 12mm | PB,PL,L IN B* FIELD | |
| Jun 20 1980 | 12.5" | 24mm | GREAT,VL,FILLS FOV,PB | |
| H8-8 | NGC 1647 | Tau | Open Cluster II 2 r | CL,VL,ST L,SC |
| Aug 21 1982 | 12.5" | 24mm | MB,EL,~20*S,FILLS 24MM,LOOSE,SC | |
| H9-1 | NGC 4179 | Vir | Galaxy S0 sp | PB,PS,PME135,BMN |
| Apr 25 1981 | 12.5" | 24mm | DIF,PF,PS,EL,BNUC,F HALO | |
| H9-6 | NGC 5466 | Boo | Globular XII | CL,L,VRI,VMC,ST11... |
| Apr 11 2015 | 36" | 17mmT4 | (Class XI),MB,ML,B'S LOOSLY SC,F SOF BG SUR NUC AREA,R=G | |
| May 06 1981 | 12.5" | 16mm | VB,EL | |
| Jul 14 1980 | 12.5" | 24mm | | |
| H9-7 | NGC 6830 | Vul | Open Cluster II 2 p | CL,L,PRI,PC,*11...12 |
| Sep 19 1984 | 12.5" | 16mm | SAME,MB,ML,*S SC,DARK AREA DET IN NORTH RGN | |
| Jul 30 1981 | 12.5" | 16mm | ~20*S,8...9 MAG,MB,ML | |
| Jul 30 1981 | 12.5" | 24mm | EASILY DET | |
| H10-1 | NGC 4643 | Vir | Galaxy SB(rs)0/a | CB,PS,LE,MBM |
| Mar 27 1982 | 12.5" | 12mm | MB,MS,EL,BNUC,VMBM,HISB TOWARDS CNTR,B* OFF TO SIDE | |
| Jun 04 1981 | 12.5" | 24mm | DIF,BNUC,DIM HALO | |
| H10-6 | NGC 6144 | Sco | Globular XI | CL,CL,MC,GBM,RRR |
| Jun 25 2019 | 36" | 17mmT4 | (Class XI),VF,ML,DOZEN BTR *S ON TOP OF FT GLOW,RSLV,JUPITER CLOSE BY,R=G | |
| May 28 2008 | 31" | 17mmT4 | MB,PL,RSLV,SVRL B*S WITH FTR BG,CORE NOT SO COMPACT,R=G | |
| Aug 13 1982 | 12.5" | 24mm | DIF,MF,PS,CLOSE TO ANTARIES,F*W,F*N EDGE,OVAL,NO CNTR GATHERING DET | |
| H10-7 | NGC 2482 | Pup | Open Cluster IV 1 m | CL,L,CRI,VLC |
| Dec 03 1980 | 12.5" | 24mm | BLENDS IN WITH FIELD *S,DOESNOT STAND OUT WELL | |
| H11-4 | NGC 6369 | Oph | Planetary Neb 4+2 | RINGNEB,PB,S,R |
| May 18 2009 | 31" | 17mmT4 | MB,ML,R,RESEMBLES M57,CNTR* ~15TH MAG,RING WITH FT NEB INSIDE,SMWHT BTR SUR CNTR*,OIII DOESNOT HELP MUCH,NEB SLT BTR,R=E | |
| Jun 04 1981 | 12.5" | 24mm | GREEN,MF,MS,NO CNTR * DET | |
| Jun 18 1980 | 12.5" | 9mm | GOOD,LOC BESIDE F*,DISK DET | |
| H11-6 | NGC 6284 | Oph | Globular IX | GCL,B,L,R,CM,ST16... |
| Jun 25 2019 | 36" | 17mmT4 | (Class IX),MB,ML,L DISBURSED UB *S SUR TIGHT BNUC,R=G | |

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|--------------|-----------------|------------|---|-----------------------------|
| H11-6 | NGC 6284 | Oph | Globular IX | GCL,B,L,R,CM,ST16... |
| Jun 25 2019 | 36" | 17mmT4 | (Class IX),MB,ML,L DISBURSED UB *S SUR TIGHT BSNUC,R=G | |
| Jul 21 1984 | 12.5" | 16mm | PF,PS,FNUC,NOT RSLV,SBM,PATCHY | |
| Jun 04 1981 | 12.5" | 24mm | MB,PL,BNUC | |
| Jun 18 1980 | 12.5" | 24mm | BTR THAN 6287,BNUC | |
| Jun 18 1980 | 12.5" | 24mm | | |
| H11-7 | NGC 2539 | Pup | Open Cluster III 2 m | CL,VL,RI,LC,*11...13 |
| Dec 03 1980 | 12.5" | 24mm | DBL * IN CL (YELLOW & BLUE),BEAUTIFUL!!! | |
| H11-8 | NGC 2395 | Gem | Open Cluster IV 2 m | CL,PRI,C |
| Feb 21 1984 | 12.5" | 24mm | SAME | |
| Oct 30 1981 | 12.5" | 24mm | MB,PL,SOME B*S WITH FTR *S | |
| H12-4 | NGC 6553 | Sgr | Globular XI | GCL,F,L,LE,VGLBM,RR |
| Jul 01 2019 | 36" | 17mmT4 | (Class X),VB,VL,BLNUC,MHISB,F OUTER * 'S RSLV,L UB CNTR RGN,R=E | |
| Sep 21 1984 | 12.5" | 16mm | SAME,DARK PATCH DET ON EDGE | |
| Aug 13 1982 | 12.5" | 16mm | MF,PL,OVAL,PATCHY,F*N EDGE,SBM | |
| H12-6 | NGC 6293 | Oph | Globular IV | GCL,VB,L,R,PSBM,ST16 |
| Jun 28 2019 | 36" | 17mmT4 | (Class III),MB,PS,*S RSLV TO CORE,SNUC,R=G | |
| Jul 21 1984 | 12.5" | 12mm | MB,PL,BNUC,R,SBM,NO *S RSLV | |
| Jun 04 1981 | 12.5" | 24mm | MB,ML,BNUC | |
| Jun 18 1980 | 12.5" | 24mm | | |
| H12-7 | NGC 2360 | CMa | Open Cluster I 3 r | CL,VL,RI,PC,ST9...12 |
| Oct 16 1982 | 12.5" | 24mm | MB,ML,-50*S SAME MAG,RESEMBLES WILD DUCK CL | |
| Oct 31 1980 | 12.5" | 24mm | LOOKS LIKE S BEE HIVE | |
| H12-8 | NGC 6664 | Sct | Open Cluster III 2 m | CL,L,PRI,VLC |
| Aug 13 2007 | 31" | 31mmT5 | VB,EEL,-40*S,SOME CL,LOOSLY SC,FILLS FOV,R=P | |
| Aug 13 1982 | 12.5" | 24mm | MB,VL,-20*S,SC,B* IN FIELD,SMWHT V SHAPED | |
| H13-1 | NGC 3521 | Leo | Galaxy SAB(rs)bc | CB,CL,ME140,VSBM |
| Feb 25 1984 | 12.5" | 12mm | MB,PL,EL,BNUC,VMBM,BSNUC | |
| Jan 30 1981 | 12.5" | 24mm | VB,PL,EL,BNUC,DIM HALO | |
| H13-6 | NGC 6451 | Sco | Open Cluster I 2 r n | CL,PL,PRI,BIFID,ST12 |
| Aug 13 1982 | 12.5" | 24mm | MF,MS,HAS A NORTHERN BULGE OF *S,30-40*S WITH F BG GLOW OF MANY *S | |
| Jun 18 1980 | 12.5" | 24mm | | |
| H13-7 | NGC 2204 | CMa | Open Cluster II 2 r | CL,L,PRI,LC |
| Oct 16 1982 | 12.5" | 24mm | VF,ML,LOOSE-SC,-50*S,B* OUTSIDE CL | |
| H14-6 | NGC 6802 | Vul | Open Cluster I 1 m | CL,L,VC,E0,ST14...18 |
| Sep 19 1984 | 12.5" | 16mm | MF,ML,EL-REC SHAPE,MANY *S ~SAME MAG,MANY *S RSLV | |
| Jul 30 1981 | 12.5" | 16mm | EL,*S 10...12 MAG,MF,ML | |
| H15-1 | NGC 4666 | Vir | Galaxy SABc: | B,VL,ME45,PSBM |
| Mar 05 2021 | 36" | 17mmT4 | VB,EL,EL,EDGE ON,BLNUC,HISB CNTR,GRAN ARMS,SMWHT TAPERED ENDS,PAIR=4668,R=GE | |
| Mar 27 1982 | 12.5" | 12mm | DIF,MF,PL,EDGE ON,FNUC,*NUC,SBM,TAPERED ENDS | |
| H16-1 | NGC 4753 | Vir | Galaxy I0 | CB,L,VLE,VGLBM |
| Feb 12 1983 | 12.5" | 16mm | MB,ML,ELDNUC,SMB,*NUC | |
| H16-4 | NGC 6905 | Del | Planetary Neb 3+3 | PLN,B,PS,R,4S*NR |
| Aug 15 2009 | 31" | 17mmT4 | PB,ML,OVAL,CNTR* 14TH,PATCHY AREAS,GREENISH,ONE SIDE BTR THAN OTHER,OIII,HELPS, MORE PATCHY AREAS,ENDS BROKEN,R=E | |
| Jul 08 1983 | 12.5" | 12mm | MF,PS,R,TRI OF *S SUR OBJECT,OUTER EDGES FTR THAN CNTR | |
| Jul 30 1981 | 12.5" | 12mm | BLUEISH GREEN COLOR,R,EDGES WELL DEF,CNTR * VF,UB | |

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| H16-4 | NGC 6905 | Del | Planetary Neb 3+3 | PLN,B,PS,R,4S*NR |
| Jul 30 1981 | 12.5" 12mm | BLUEISH GREEN COLOR,R,EDGES WELL DEF,CNTR * VF,UB | | |
| H16-7 | NGC 2354 | CMa | Open Cluster III 2 r | CL,CRI,LC |
| Oct 16 1982 | 12.5" 24mm | MF,VL,LOOSE,SC,~30*S | | |
| Oct 31 1980 | 12.5" 24mm | LOOSE,NOT MUCH CL | | |
| H16-8 | NGC 6834 | Cyg | Open Cluster II 2 m | CL,P,LC,*11...12 |
| Sep 19 1984 | 12.5" 16mm | SAME,MB,MS,L DARK NEB NORTH SVRL DEGREES,STANDS OUT WELL | | |
| Jul 30 1981 | 12.5" 24mm | MB,ML,EASILY DET,B* IN CNTR,S CL TO N SIDE | | |
| H17-1 | NGC 3379 | Leo M105 | Galaxy E1 | VB,CL,R,PSBM,R |
| Mar 08 2013 | 36" 17mmT4 | MESSIER MARATHON 2013 | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Feb 25 1984 | 12.5" 16mm | MB,ML,BNUC,R,PAIR/3384/3389 | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Jan 30 1981 | 12.5" 24mm | EB,VL,BNUC,PAIR/3384/3389 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H17-5 | NGC 598 | Tri M33 | Galaxy SA(s)cd | EB,EL,R,VGBMN;=M33 |
| Sep 14 2012 | 36" 17mmT4 | EB,EEL,BNUC,SVRL FOV'S,KNOTS,SPR STR,H2 RGN,DUST,ARMS,TONS OF DETAIL,R=E | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Sep 23 1981 | 12.5" 16mm | MB,EL,BARMS,SPR STR DET,H2 RGN DET,2-3 MAJOR ARMS SEEN | | |
| Sep 20 1981 | 12.5" 24mm | | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 32mm | GREAT!!,SVRL ARMS,STR SEEN | | |
| Sep 07 1980 | 12.5" 24mm | | | |
| Sep 03 1980 | 12.5" 24mm | | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| Aug 19 1980 | 12.5" 32mm | | | |
| Jul 24 1980 | 12.5" 32mm | BEST I'VE EVER SEEN,GREAT!!! | | |
| Jul 15 1980 | 12.5" 24mm | EF,EL,LOOKS LIKE DIF NEB,NO SPR STR DET | | |
| H17-6 | NGC 2158 | Gem | Open Cluster II 3 r | CL,PS,MC,VRI,IRRTRI |
| Mar 03 2021 | 36" 17mmT4 | (I 2 r),MG,ML,STANDS OUT WELL IN FOV,*S SIM MAG FEW B*S,~100+*S,F BG GLOW OF *S,(7:48pm),R=G | | |
| Oct 30 1981 | 12.5" 12mm | RSLV,DOZEN OR SO B*S IN FRONT OF F HALO OF *S | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H17-7 | NGC 2362 | CMa | Open Cluster I 3 r | CL,PL,RI,30CMA |
| Oct 16 1982 | 12.5" 24mm | ~30*S,VB,VL,B* IN CNTR,TRI SHAPE,*S ~SAME MAG | | |
| Oct 31 1980 | 12.5" 24mm | 6TH MAG CNTR * SUR BY 9TH *S,E | | |
| H18-1 | NGC 3384 | Leo | Galaxy SB(s)0-: | VB,L,R,PSMBM,2ND OF3 |
| Feb 25 1984 | 12.5" 16mm | MB,ML,EL,BNUC,BM,PAIR/3379/3389 | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Jan 30 1981 | 12.5" 24mm | VB,PL,BNUC,F HALO,PAIR/3379/3389 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H18-4 | NGC 7662 | And | Planetary Neb 4+3 | PLN ORRING,VB,PS,R |
| Sep 02 2008 | 31" 17mmT4 | VB,ML,OVAL-R,B GREENISH,B INNER RING NOT SYM,B GREENISH EDGES IN SPOTS,CNTR* | | |

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| H18-4 | NGC 7662 | And | Planetary Neb 4+3 | PLN ORRING,VB,PS,R |
| Sep 02 2008 | 31" | 17mmT4 | VB,ML,OVAL-R,B GREENISH,B INNER RING NOT SYM,B GREENISH EDGES IN SPOTS,CNTR* 14TH MAG,R=E | |
| Aug 31 1984 | 12.5" | 12mm | MB,VS,VR,UNIFORM BLUEISH COLOR,* CLOSE BY | |
| Sep 23 1981 | 12.5" | 16mm | B BLUEISH GREEN,UB,R WITH FUZZY EDGES,NO CNTR *,MB,PS,15* SW | |
| Jul 15 1980 | 12.5" | 24mm | | |
| H18-5 | NGC 205 | And | M110 Galaxy E5 pec | VB,VL,ME165,VGVMBM |
| Mar 19 2004 | 12.5" | 12mmT4 | MESSIER MARATHON 2004 | |
| Aug 31 1984 | 12.5" | 24mm | MB,PL,FNUC,COMP TO M31,EL,F* IN EASTERN PART,SOFT DIF NUC | |
| Mar 02 1984 | 10" | 20mm | SAME | |
| Sep 24 1981 | 12.5" | 16mm | SBM,SLT OVAL,FARMS,DIF,MB,PL,EL | |
| Sep 20 1981 | 12.5" | 24mm | F* IN S ARM IN EQ PLANE | |
| Mar 27 1981 | 12.5" | 24mm | MESSIER MARATHON 1981 | |
| Sep 10 1980 | 12.5" | 24mm | | |
| Aug 22 1980 | 12.5" | 24mm | | |
| Aug 19 1980 | 12.5" | 24mm | | |
| Jul 24 1980 | 12.5" | 24mm | BEST OBSERVED TO DATE | |
| Jul 17 1980 | 12.5" | 24mm | | |
| Jul 11 1980 | 12.5" | 24mm | | |
| H18-7 | NGC 6823 | Vul | Open Cluster I 3 m n | CL,CRI,E,ST11...12 |
| Jun 27 2003 | 12.5" | 24mm | VB,VL,~30*,3B*S WITH MANY FTR *S,LOOSE,SC,PAIR=6820,R=F | |
| Sep 19 1984 | 12.5" | 16mm | SAME,MB,PL,~20*S | |
| Jul 30 1981 | 12.5" | 16mm | R,B*S RSLV,4B*S IN CL,MB,ML,*S 8...9 MAG | |
| H19-1 | NGC 4147 | Com | Globular VI | GCL,VB,PL,R,GBM,RRR |
| Mar 08 2010 | 31" | 17mmT4 | PB,ML,CLASS ~VI,RSLV TO CORE,BSNUC,MHISB CNTR,F HALO OF *S RSLV,R=G | |
| Feb 12 1983 | 12.5" | 12mm | MB,PL,RSLV TO CORE,OUTER *S CLOSELY GRP,BM | |
| Jun 10 1980 | 6" | 24mm | VF,LOOKS LIKE FT GLXY | |
| H19-5 | NGC 891 | And | Galaxy SA(s)b? sp | B,VL,VME22 |
| Aug 31 1984 | 12.5" | 16mm | MF,ML,EDGE ON,S ARM BTR THAN N,DUST LANE DET,CNTR BULGE DET | |
| Sep 23 1981 | 12.5" | 24mm | F* 13MAG NW SIDE, FTR * TO S TIP OF ARM,BULGE DET,ML,MB, EDGE ON | |
| Sep 20 1981 | 12.5" | 24mm | | |
| Sep 10 1980 | 12.5" | 24mm | | |
| Aug 22 1980 | 12.5" | 24mm | | |
| Jul 24 1980 | 12.5" | 32mm | BEAUTIFUL!!!,DUST LANE VISIBLE | |
| Jul 17 1980 | 12.5" | 24mm | | |
| Jul 11 1980 | 12.5" | 24mm | | |
| H19-7 | NGC 6755 | Aql | Open Cluster II 2 r | CL,VL,VRI,PC,,*12.14 |
| Aug 31 1984 | 12.5" | 24mm | SAME,MB,PL | |
| Jul 10 1981 | 12.5" | 24mm | SMWHT GRP TGT,APPEARS TO BE A DBL CL | |
| Jul 15 1980 | 12.5" | 24mm | | |
| H20-4 | NGC 2185 | Mon | Brt Nebula R | *11\$4S*IN VF,L,NEB |
| Mar 04 2021 | 36" | 17mmT4 | (Lb 3),DIF,MF,VS,W/O OIII,PATCH SUR *,OIII DOES NOT HELP MUCH,BEST IN 31MM W/O OIII,N2183 CLOSE,(10:04pm),R=PF | |
| Nov 24 2006 | 12.5" | 17mmT4 | DIF,MF,VS,S PATCH OF NEB SUR *,PAIR=2183OIII DOES NOT HELP,R=F | |
| Aug 21 1982 | 12.5" | 24mm | MB,PS,B* JUST TO S,R,GBM,B CNTR RGN | |
| H20-5 | NGC 247 | Cet | Galaxy SAB(s)d | F,EL,VME172 |
| Sep 24 1981 | 12.5" | 16mm | DIF,MF,VL,B* S EQ PLANE,* OFF E SIDE,NND,PATCHY,EL,SIM TO 253 | |
| Sep 10 1980 | 12.5" | 24mm | | |

Herschel 400 (I) Observations

| | | | | |
|--------------|-----------------|--|-----------------------------|-----------------------------|
| H20-5 | NGC 247 | Cet | Galaxy SAB(s)d | F,EL,VME172 |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 32mm | EL,SEEN BY SWEEPING AREA,LG | | |
| H20-6 | NGC 288 | Sci | Globular X | GCL,B,L,LE,*12...16 |
| Sep 26 2019 | 36" 17mmT4 | (Class XII),VB,EL,LOOKS LIKE OPEN CL,V LTL CNTR CL,R=G | | |
| Sep 23 1981 | 12.5" 16mm | DIF,MB,EL,R,SVRL HUNDRED *S SAME MAG,V LTL CL TOWARDS MID | | |
| Sep 09 1980 | 12.5" 16mm | RSLV TO CORE,E!! | | |
| H20-7 | NGC 2215 | Mon | Open Cluster II 2 m | CL,CL,PRI,PC,ST11.15 |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MF,PL,LOOSE AND SC,~20*S,WELL DEFINED | | |
| H20-8 | NGC 6885 | Vul | Open Cluster III 2 m | CL,VB,VL,RI,LC,*6.11 |
| Sep 19 1984 | 12.5" 16mm | SAME,MB,PL,B* CLOSE TO CNTR | | |
| Jul 06 1983 | 12.5" 24mm | MB,VS,JUST N OF 6885,B* IN OBJECT,~15 *S,OBLONG IN SHAPE | | |
| Aug 13 1982 | 12.5" 24mm | EB,EL,OVERFILLS EYEPIECE FOV,SVRL B*S | | |
| Jul 30 1981 | 12.5" 12mm | VB,VL,B* IN CNTR OF CL,~15-20*S | | |
| H21-1 | NGC 3810 | Leo | Galaxy SA(rs)c | B,L,VLE |
| Feb 22 2020 | 36" 17mmT4 | VB,VL,FLNUC,MHISB,GRAN,R=G | | |
| Mar 03 1984 | 12.5" 12mm | DIF,MB,ML,OVAL,SBM,NO *S | | |
| Jan 30 1981 | 12.5" 24mm | DIF,PB,PL,FNUC,F HALO | | |
| Jun 10 1980 | 6" 24mm | PB,* HOP FROM BETA | | |
| H21-4 | NGC 1964 | Lep | Galaxy SAB(s)b | F,VS,R,VSVMBM,3*INV |
| Dec 21 1981 | 12.5" 16mm | ELMBM,F* IN GLXY TOWARDS B*S | | |
| Dec 21 1981 | 12.5" 32mm | PF,VS,HISB,*NUC | | |
| Oct 24 1981 | 12.5" 16mm | DIF,MF,PS,F*W SIDE,GBM,NUC DET,S AND R,APPEARS LIKE E GLXY | | |
| H21-6 | NGC 2266 | Gem | Open Cluster II 2 m | CL,PS,EC,RI,ST11..15 |
| Feb 21 1984 | 12.5" 16mm | SAME,~50-100*S,FORMS SMWHT A TRI,MB,ML | | |
| Oct 30 1981 | 12.5" 12mm | PB,ML,30*S,1B* E SIDE | | |
| H22-1 | NGC 4371 | Vir | Galaxy SB(r)0+ | B,PS,R,GBM |
| Apr 25 1981 | 12.5" 24mm | PB,PS,BNUC,F HALO | | |
| H22-6 | NGC 2548 | Hya M48 | Open Cluster I 3 r | CL,VL,PRI,PMC,*9..13 |
| Mar 03 2021 | 36" 55mm | (I 3 r),EEB,EEL,BEST IN FINDER,36" TO MUCH SCOPE,SVRL FOV'S,(9:20pm),R=P | | |
| Mar 08 2013 | 36" 17mmT4 | MESSIER MARATHON 2013 | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Mar 27 1982 | 12.5" 24mm | MB,EL,FILLS 24MM,BTR IN FINDER | | |
| Oct 24 1981 | 12.5" 24mm | VB,EL,BTR IN FINDER,FILLS UP 24MM | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H23-4 | NGC 936 | Cet | Galaxy SB(rs)0+ | VB,VL,R,MBMN,P OF 2 |
| Sep 27 1981 | 12.5" 16mm | MF,PL,BNUC,DARM,SBM,OUTER ARMS SUSP,B BAR TOWARDS NUC,R,FACE ON,PAIR/941 | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | | | |
| H23-6 | NGC 6645 | Sgr | Open Cluster IV 1 m | CL,PL,VRI,PC,ST11.15 |
| Aug 13 1982 | 12.5" 24mm | MB,VL,LOOSE,~50*S,SC,SHOWS WELL | | |
| H23-7 | NGC 2489 | Pup | Open Cluster I 2 m | CL,PL,CRI,PC,*11..13 |
| Oct 16 1982 | 12.5" 24mm | MF,ML,~40*S SAME MAG,OVAL,WELL DISPERSED IN 24MM | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H24-1 | NGC 4596 | Vir | Galaxy SB(r)0+ | B,PS,R,GMBM,R,3*F |

Herschel 400 (I) Observations

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|--------------|-----------------|---|-----------------------------|------------------------------|
| H24-1 | NGC 4596 | Vir | Galaxy SB(r)0+ | B,PS,R,GMBM,R,3*F |
| Jun 04 1981 | 12.5" 24mm | MB,PL,BNUC,B HALO,PAIR/4608 | | |
| H24-5 | NGC 4565 | Com | Galaxy SA(s)b? sp | B,EL,EE135,VSBMN=*10 |
| Mar 17 2018 | 36" 17mmT4 | EB,EEL,EDGE ON,BNUC,HISB,ABSOLUTELY AMAZING,DUST LANE THROUGH NUC RGN AND BEYOND,S BNUC ONE SIDE OF DUST, EDGE TO EDGE,R=EE | | |
| Feb 05 2005 | 31" 17mmT4 | EB,EEL,EDGE ON,BLNUC,HISB,FILLS FOV,2 HALVES,GMBM,TAPERED ENDS,R=E | | |
| Feb 05 2005 | 31" 31mmT5 | EB,EL,EDGE ON,BNUC,BTR THAN 17MM,JUST FITS IN FOV,DUST LANE,BEST TO DATE,R=E | | |
| Feb 27 1982 | 12.5" 16mm | MB,PL,V EDGE ON,BNUC,DIM HALO,F*N OF NUC,DUST LANES,CNTR BULGE,!!! | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H24-6 | NGC 7044 | Cyg | Open Cluster I 1 r | CL,VF,PL,VRI,VC |
| Aug 11 1982 | 12.5" 24mm | DIF,MF,VL,EL10-20 B*S SUR BY HUNDREDS F*S,F GLOW W/AV | | |
| H24-8 | NGC 2169 | Ori | Open Cluster III 3 m | CL,S,LRI,PMC,** |
| Mar 03 2021 | 36" 17mmT4 | (III 3 p),VB,PL,B*S WITH F*S,~20 *S,B*S OFF TO NW NOT PART OF CL,LOOSLY SC,(7:53pm),R=G | | |
| Dec 30 1983 | 12.5" 24mm | SAME | | |
| Aug 21 1982 | 12.5" 24mm | MB,MS,20*S COUNTED,SPLIT THROUGH CNTR,ON SIDE RESEMBLES HOUR GLASS | | |
| H25-1 | NGC 4754 | Vir | Galaxy SB(r)0- | B,PL,R,PSBM,P OF 2 |
| Feb 12 1983 | 12.5" 16mm | MF,MS,SBM,R,PAIR/4762 | | |
| H25-5 | NGC 246 | Cet | Planetary Neb 3b | VF,L,4*IN DIF NEB |
| Sep 02 2008 | 31" 17mmT4 | VF,ML,OVAL,OIII HELPS GRTLY,TRANSLUCENT BUBLE,CNTR* 13MAG,BRINGS IN EDGE,R=G | | |
| Sep 27 1981 | 12.5" 16mm | DIF,BLUE GREEN,MB,BL,SOURRS 4 *S, 1 * S,PATCHY OVALNESS | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | 3*S IN NEB,ONE MOST LIKELY CNTR * | | |
| H25-6 | NGC 1245 | Per | Open Cluster II 2 r | CL,PL,RI,C,IR,*12.15 |
| Oct 03 1981 | 12.5" 24mm | MF,ML,50-80*S | | |
| Sep 03 1980 | 12.5" 24mm | GREAT!!,LOOKS LIKE MINATURE BEEHIVE | | |
| H25-7 | NGC 2186 | Ori | Open Cluster II 2 m | CL,PL,PRI,PC,ST L\$\$ |
| Dec 30 1983 | 12.5" 24mm | NO FIND | | |
| Aug 21 1982 | 12.5" 24mm | MF,PS,~25*S,F*S WITH B*S,CL SLT ,EL | | |
| H25-8 | NGC 2232 | Mon | Open Cluster III 2 p | B* 10MON +CL |
| Nov 13 2020 | 36" 55mm | (III 2 p),EB,EL,SOME NEB SUR BTEST *,~20*S WIDELY SDISPERSED,(3:35am),R=PF | | |
| Oct 16 1982 | 12.5" 24mm | VB,VL,BROKEN IN 2 HALVES,12*S LOOSE AND SC,USE FINDER | | |
| H26-4 | NGC 1535 | Eri | Planetary Neb 4+2c | PLN,VB,S,R,PS,VSBM,R |
| Dec 28 2008 | 31" 17mmT4 | VB,ML,R,CNTR*12M,OIII B INNER RING,R HALO,HISB CNTR,OIII HELPS SMWHT,R=E | | |
| Oct 30 1981 | 12.5" 12mm | BLUE,MB,PL,B CNTR,12MAG CNTR * | | |
| Oct 31 1980 | 12.5" 24mm | SIM IN COLOR TO SATURN NEB,FIND 1537 FIRST,GREAT!!! | | |
| H26-8 | NGC 2129 | Gem | Open Cluster I 3 m | CL,PL,40OR50ST8...15 |
| Oct 30 1981 | 12.5" 16mm | MB,ML,2B*S IN CL SUR BY 10-15*S | | |
| H27-1 | NGC 3412 | Leo | Galaxy SB(s)0^ | B,S,LE135,SMBMN |
| Feb 25 1984 | 12.5" 12mm | MB,PS,EL,BNUC | | |
| Jan 30 1981 | 12.5" 24mm | PB,PS,BNUC | | |
| H27-4 | NGC 3242 | Hya | Planetary Neb 4+3b | PLN,VB,LE147,45"D |
| Dec 28 2008 | 31" 17mmT4 | VB,PL,R,HISB,CNTR*13,OUT SHELL,BTR INNER RING W/TAP SIDES,B BLUEISH,OIII HL,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MB,PS,R,BLUE FUZZY EDGES,UB,NO CNTR * | | |
| Dec 03 1980 | 12.5" 24mm | GHOST OF JUPITER,PAIL GREENISH COLOR,GREAT!! | | |
| H27-6 | NGC 2301 | Mon | Open Cluster I 3 r | CL,RI,L,IF,ST L\$\$ |
| Feb 25 1984 | 12.5" 24mm | SAME | | |

Herschel 400 (I) Observations

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|--------------|-----------------|------------|---|-----------------------------|
| H27-6 | NGC 2301 | Mon | Open Cluster I 3 r | CL,RI,L,IF,ST L\$\$ |
| Feb 25 1984 | 12.5" | 24mm | SAME | |
| Oct 16 1982 | 12.5" | 24mm | MB,VL,~50"S,LOOSE SC,V SHAPE,SOME PARTS CL BY THEMSELVES | |
| H28-1 | NGC 4435 | Vir | Galaxy SB(s)0[^] | VB,CL,R,NP OF 2 |
| Mar 16 2010 | 31" | 17mmT4 | VB,VL,OVAL,BLNUC,HISB,PAIR=4438,R=E | |
| May 01 1981 | 12.5" | 24mm | PB,PS,BNUC | |
| Mar 27 1981 | 12.5" | 24mm | | |
| Jun 10 1980 | 6" | 24mm | | |
| H28-1 | NGC 4438 | Vir | Galaxy SA(s)0/a pec: | B,CL,VLE,R,SF OF 2 |
| Mar 16 2010 | 31" | 17mmT4 | VB,VL,EL,BLNUC,HISB CNTR,GRAN HALO,SPR STR SUSP,PAIR=4435,R=E | |
| May 01 1981 | 12.5" | 24mm | DIF,PB,PL,BNUC,DARM | |
| Mar 27 1981 | 12.5" | 24mm | | |
| Jun 10 1980 | 6" | 24mm | | |
| H28-2 | NGC 3226 | Leo | Galaxy E2: pec | PB,CL,R,DW/3227 |
| Apr 19 2014 | 36" | 17mmT4 | MB,ML,R,BSNUC,F GLOW OF ARMS,PAIR=3227,R=G | |
| Feb 25 1984 | 12.5" | 12mm | MB,PS,BNUC,BM,R,CLOSE PAIR/3227 | |
| Jan 30 1981 | 12.5" | 24mm | DIF,PB,PL,EL,FNUC,B HALO,PAIR/3227 | |
| Dec 03 1980 | 12.5" | 24mm | COMP CLOSE,PAIR/3227 | |
| H28-3 | NGC 3686 | Leo | Galaxy SB(s)bc | PB,L,VLE,VGBM,R |
| Mar 03 1984 | 12.5" | 12mm | DIF,MF,ML,F* IN S ARM,B* TO N,UB,OVAL,NND,VF*SW SIDE,SVRL COMP | |
| Jan 30 1981 | 12.5" | 24mm | DIF,PF,PL,DIM HALO,SVRL COMP | |
| H28-4 | NGC 4038 | Crv | Galaxy SB(s)m pec | PB,CL,R,VGBM |
| Mar 16 2009 | 31" | 17mmT4 | VB,VL,EL,PATCHY AREAS IN GLXY,SHISB,NND,DARK AREA SPLITS TWO,INTRACT=4039,R=G | |
| Mar 22 2004 | 12.5" | 12mmT4 | MF,PL,OVAL,PATCH,UB,NND,CLOSE COMP=4039,R=G | |
| May 03 1981 | 12.5" | 24mm | DIF,PB,VL,EL,BOTH NUC OF BOTH GLXY SEEN,RING TAIL GLXY,ARMS DET,PAIR/4039 | |
| H28-5 | NGC 2024 | Ori | Brт Nebula E | IRR,B,VVL,BLACKSPINC |
| Mar 04 2021 | 36" | 31mmT5 | (Lb 1),DIF,MB,EL,W/OIII,KEEP B* OUT OF FOV,L AREAS OF PATCHY NEB,SOME AREAS BROKEN WITH DARK LANES,EDGES NOT DEF,(9:11pm),R=G | |
| Jan 24 2004 | 31" | 24mmTP | DIF,MF,EL,SVRL FOV'S,WITH OIII,PATCHY AREAS,R=F | |
| Aug 21 1982 | 12.5" | 24mm | PF,EL,DARK DUST LANES DET,BREAKS H2 RGN APART,~SAME SIZE AS HELIX | |
| Dec 03 1980 | 12.5" | 24mm | | |
| Oct 31 1980 | 12.5" | 24mm | | |
| Sep 18 1980 | 12.5" | 24mm | CRACKS IN NEB DET,GREAT!! | |
| H28-7 | NGC 2423 | Pup | Open Cluster II 2 m | CL,VL,RI,PC,ST VS |
| Oct 16 1982 | 12.5" | 24mm | VF,VL,~50"S,OUTSIDE FIELD OF M47,~SAME MAG *S,LOOSE AND SC | |
| Dec 03 1980 | 12.5" | 24mm | | |
| H29-1 | NGC 3593 | Leo | Galaxy SA(s)0/a: | B,CL,E90,PSMBM |
| Mar 03 1984 | 12.5" | 12mm | MB,PL,EDGE ON,BNUC,TAPERED ENDS,NO *S,BM | |
| Mar 27 1981 | 12.5" | 24mm | | |
| Jan 30 1981 | 12.5" | 24mm | PB,PL,EDGE ON,BNUC,DIM HALO,PAIR/3596 | |
| H29-2 | NGC 3227 | Leo | Galaxy SAB(s)a pec | PB,CL,R,DW/3226 |
| Apr 19 2014 | 36" | 17mmT4 | MB,ML,OVAL-R,FLNUC,SHISB,FARMS DET,SOME SPR STR SUSP,PAIR=3226,R=G | |
| Feb 25 1984 | 12.5" | 12mm | MB,MS,EL,BNUC,SBM,CLOSE PAIR/3226,NO *S | |
| Jan 30 1981 | 12.5" | 24mm | DIF,PB,PL,EL,FNUC,B HALO,PAIR/3226 | |
| Dec 03 1980 | 12.5" | 24mm | COMP CLOSE,PAIR/3226 | |
| H30-1 | NGC 4365 | Vir | Galaxy E3 | CB,PL,VLE,GL,SMBM |
| Mar 08 2010 | 31" | 17mmT4 | PB,PL,OVAL,BLNUC,GRAN AREA SUR NUC,HISB CNTR,R=G | |

Herschel 400 (I) Observations

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|--------------|-----------------|---|-------------------------------|-----------------------------|
| H30-1 | NGC 4365 | Vir | Galaxy E3 | CB,PL,VLE,GL,SMBM |
| Mar 08 2010 | 31" 17mmT4 | PB,PL,OVAL,BLNUC,GRAN AREA SUR NUC,HISB CNTR,R=G | | |
| Apr 25 1981 | 12.5" 24mm | PB,PL,BNUC,FARMS,PAIR/4342 | | |
| Jun 10 1980 | 6" 24mm | S FUZZY PATCH | | |
| H30-6 | NGC 7789 | Cas | Open Cluster II 2 r | CL,VL,VRI,VMC,*11.18 |
| Jul 31 1981 | 12.5" 24mm | ~50-100*S,A LOT OF F*S ASSOC WITH CL | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| H30-7 | NGC 6568 | Sgr | Open Cluster IV 1 m | CL,VL,LC |
| Sep 21 1984 | 12.5" 24mm | MB,PL,LOOSE AND SC,B* NEAR BY,*S ~SAME MAG | | |
| Aug 13 1982 | 12.5" 24mm | MB,VL,LOOSE,~40*S | | |
| H30-8 | NGC 2527 | Pup | Open Cluster II 2m | CL,VL,PRI,LC,*10..15 |
| Oct 16 1982 | 12.5" 24mm | MB,ML,SC,~20*S SAME MAG | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H31-1 | NGC 4526 | Vir | Galaxy SAB(s)0^: | VB,VL,ME120,PSMBM |
| May 09 2010 | 31" 17mmT4 | EB,EL,EL,BSNUC,HARD TO KEEP B* OUT OF FOV,GRAN ARMS,HISB CNTR,GMBM,TIGHT NUC,R=E | | |
| May 03 1981 | 12.5" 24mm | VB,PL,EL,BNUC,BARMS | | |
| Jun 10 1980 | 6" 24mm | | | |
| H31-5 | NGC 1980 | Ori | Open Cluster III 3 m n | VF,VVL,44ORIONIS INV |
| Oct 16 1982 | 12.5" 24mm | MB,ML,B* IN CNTR,2F*S CLOSE TO B*,L OVAL AREA SUR B*,CLOSE TO M42 | | |
| Sep 09 1980 | 12.5" 24mm | NEB SUR A NICE DBL * | | |
| H31-6 | NGC 663 | Cas | Open Cluster II 3 r | CL,B,L,ERI,ST PL |
| Jul 31 1981 | 12.5" 16mm | PL,CL BROKEN IN HALF,DARK PATCH THROUGH CL | | |
| H31-7 | NGC 6583 | Sgr | Open Cluster I 2 m | CL,PRI,PC,CE,ST13... |
| Aug 13 1982 | 12.5" 16mm | DIF,MF,MS,20-30*S,RSLV,R | | |
| H31-8 | NGC 2286 | Mon | Open Cluster III 2 m | CL,L,C,AB100*9...15 |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MF,EL,V POOR,NO CL DET | | |
| H32-1 | NGC 4570 | Vir | Galaxy S0 sp | CB,PS,ME0,SBMRN |
| May 09 2010 | 31" 17mmT4 | VB,VL,EL-EDGE ON,BSNUC,HISB,SUDLY MBM,TAPERED ENDS,SLT CNTR BULGE,R=G | | |
| Jun 04 1981 | 12.5" 24mm | PB,VS,EL,BNUC | | |
| Jun 10 1980 | 6" 24mm | JUST BARELY VISIBLE | | |
| H32-5 | NGC 1788 | Ori | Brт Nebula R | B,CL,R,BM,***15,*1'F |
| Mar 05 2021 | 36" 17mmT4 | (Lb 1),DIF,MB,PL,W/OIII,* IN EDGE OF BTEST PART OF NEB,BTR * CLOSE BY WITH NEB SUR IT,LOOKS LIKE NEB IN 2 PARTS,(8:00pm),R=FG | | |
| Oct 16 1982 | 12.5" 16mm | BH2 RGN OR BET NEB AND * | | |
| Oct 16 1982 | 12.5" 24mm | PB,ML,EL,BM,B* TO W IN NEB,VMBM | | |
| H32-6 | NGC 7086 | Cyg | Open Cluster II 2 m | CL,CL,VRI,PC,*11..16 |
| Aug 11 1982 | 12.5" 24mm | MB,PL,~80*S,SMWHT DIVIDED IN CNTR,9...11 MAG *S | | |
| H32-7 | NGC 752 | And | Open Cluster II 2 r | CL,VVL,RI,*L\$SC |
| Aug 31 1984 | 12.5" 24mm | SAME | | |
| Aug 13 1982 | 12.5" 24mm | VB,EL,MANY *S,OVERFILLS 24MM FIELD,BEST IN 8X50 FINDER,R,SC | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H32-8 | NGC 2335 | Mon | Open Cluster III 2 m n | CL,L,LC |
| Mar 05 2021 | 36" 31mmT5 | (II 2 m),VB,VL,LOOSLY SC,CL DET,MOST * SAME MAG,R=F | | |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MF,MS,~30*S,LOOSE AND SC,CLOSE TO 2343 | | |
| H33-2 | NGC 3640 | Leo | Galaxy E3 | B,PL,R,PSBM |

Herschel 400 (I) Observations

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|--------------|-----------------|---|-----------------------------------|---------------------------|
| H33-2 | NGC 3640 | Leo | Galaxy E3 | B,PL,R,PSBM |
| Mar 03 1984 | 12.5" 12mm | MB,PL,BNUC,R,BM,CLOSE COMP SW | | |
| Jan 30 1981 | 12.5" 24mm | PB,PS,DNUC | | |
| H33-4 | NGC 1999 | Ori | Brt Nebula E | *10,11INV IN NEB |
| Mar 04 2021 | 36" 31mmT5 | (Lb 1),DIF,PB,VS,NEB EASLY SEEN SUR B*,PATCHY,GRAN,W/OIII,MORE NEB DET,GRAN,VMBM,(8:56pm),R=FG | | |
| Feb 20 2006 | 31" 31mmT5 | W/OIII,DIF,MB,VL,NEB DETAIL DET SUR *,R=G | | |
| Oct 16 1982 | 12.5" 24mm | MB,PS,BNUC,VMBM,R,12MM-EYE APPEARANCE,TAPERED ENDS,SOME DARK AREA IN NEB | | |
| H33-6 | NGC 869 | Per | Open Cluster I 3 r | CL,VVL,VRI,*7...14 |
| Oct 03 1981 | 12.5" 32mm | VB,EL,B DIAMOND SHAPE *S IN CNTR,PAIR/884 | | |
| Sep 20 1981 | 12.5" 24mm | | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | H & CHI DBL CL | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| H33-7 | NGC 1857 | Aur | Open Cluster I 3 m | CL,PRI,PC,ST7... |
| Dec 03 1980 | 12.5" 24mm | * APROX 7TH MAG IN CL | | |
| H33-8 | NGC 2343 | Mon | Open Cluster II 2 p n | CL,CL,P,LC |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MB,ML,~15"S,LOOSE,SC | | |
| H34-1 | NGC 5248 | Boo | Galaxy SAB(rs)bc | B,L,E150,PSBMRN |
| May 06 1981 | 12.5" 24mm | VB,VL,BNUC,DIM HALO | | |
| H34-4 | NGC 2022 | Ori | Planetary Neb 4+2 | PLN,PB,VS,VLE |
| Dec 28 2008 | 31" 17mmT4 | MB,ML,R,PATCH,VF CNTR* WITH AV,EDGES FRAILED,OIII DOESNOT HELP MUCH,R=G | | |
| Dec 30 1983 | 12.5" 12mm | MF,PS,NO CNTR * DET,R,UB,LINE OF F*S OFF TO BOTH SIDES | | |
| Oct 31 1980 | 12.5" 24mm | LOOKS LIKE PALE GREY * | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 32mm | EASILY DET,NICE | | |
| H34-6 | NGC 884 | Per | Open Cluster I 3 r | CL,VL,VRI,RUBY*M |
| Oct 03 1981 | 12.5" 32mm | VB,EL,PAIR/869,BEST IN 2" EYEPIECE | | |
| Sep 20 1981 | 12.5" 24mm | | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | H & CHI DBL CL | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| H34-8 | NGC 2353 | Mon | Open Cluster III 3 p | CL,L,LC,ONEVB* |
| Mar 03 2021 | 36" 55mm | (III 3 p),PB,PL,~20"S L OOSLY SC,VAR MAG,1 B* IN CL,STANDS OUT WELL IN FOV,NICE,(8:23pm),R=PF | | |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | MB,ML,OVAL,SC,1 B* IN EDGE OF CL,WELL PLACED | | |
| H35-1 | NGC 4216 | Vir | Galaxy SAB(s)b: | VB,VL,VME17,SBMN |
| Mar 08 2010 | 31" 17mmT4 | VB,VL,EDGE ON,VBSNUC,F* OFF NUC,SHISB,GMBM,PAIRS=PGC/MAC,R=E | | |
| Apr 25 1981 | 12.5" 24mm | VB,EL,EL-EDGE ON,BNUC,BARMS | | |
| Jun 10 1980 | 6" 24mm | | | |
| H35-6 | NGC 136 | Cas | Open Cluster II 1 p | GCL,VF,S,EC |
| Sep 28 2013 | 36" 17mmT4 | MB,ML,~20"S SIM MAG,GOOD CL,FEW BTR,*S, GOOD FOV,R=G | | |
| Aug 13 1982 | 12.5" 16mm | MF,VS,R,*S RSLV,20"S,F PATCH IN 24MM | | |
| H36-1 | NGC 4550 | Vir | Galaxy SB0⁺: sp | PB,S,VLE,SP OF 2 |
| Mar 05 2021 | 36" 17mmT4 | PB,PL,EL,BLNUC,HISB,GRAN HALO,PAIR=N4551,R=G | | |
| Jun 04 1981 | 12.5" 24mm | DIF,PF,PS,ELDARM,NGC 4551 CLOSE BY,PAIR/M89 | | |

Herschel 400 (I) Observations

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|--------------|-----------------|--|-----------------------------------|-----------------------------|
| H36-1 | NGC 4550 | Vir | Galaxy SB0⁺: sp | PB,S,VLE,SP OF 2 |
| Jun 04 1981 | 12.5" 24mm | DIF,PF,PS,ELDARM,NGC 4551 CLOSE BY,PAIR/M89 | | |
| H37-2 | NGC 4527 | Vir | Galaxy SAB(s)bc | PB,L,PME69,MBM |
| May 03 1981 | 12.5" 24mm | PB,PL,ELDNUC,FARMS,PAIR/4536 | | |
| H37-4 | NGC 6543 | Dra | Planetary Neb 3a+2 | PLN,VB,PS,SBMVSN |
| May 19 2009 | 31" 17mmT4 | VB,VL,B GREENISH,CNTR* 10TH MAG,B INNER CORE,GRAN BALL,VF WISPS OF NEB SUR BALL,OIII BRINGS OUT OUTER HALO ONLY,PAIR=IC4677,R=E | | |
| Mar 26 2006 | 31" 17mmT4 | VF,PL,B BLUE,CNTR *,DETAIL IN NEB,DARK INNER RING,PAIR=IC4677,R=E | | |
| Jun 23 2003 | 12.5" 9mmT6 | VB,ML,EL-OVAL,VHISB,BNUC,SLT EL,F HALO SUR GLXY,R=E | | |
| Jul 22 1981 | 12.5" 16mm | BLUEISH IN COLOR,PB,MS,NO CNTR * DET | | |
| Jul 14 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| H37-5 | NGC 7000 | Cyg | Brt Nebula E | F,EEL,DIF NEBULOSITY |
| Sep 19 2012 | 36" 31mmT5 | VB,W/OIII,ABLE TO SLEW ENTIRE OUTLINE OF NA NEB,NUMEROUS AREAS OF FINE NEB DETAIL,GULF AND S END OF MEX BEST CONTRAST,NICE D* IN MEX TIP - PINK & BLUEISH,R=EE | | |
| Aug 13 1982 | 12.5" 32mm | FITS WELL IN EYEPIECE,FIRST TIME SEEN THIS WELL, IMPRESSIVE!!! | | |
| Aug 11 1982 | 12.5" 32mm | EL,ONLY CERTAIN OUTLINES DET,HUNDREDS OF **S WITH COSTAL LINE EFFECT | | |
| H37-6 | NGC 2506 | Mon | Open Cluster I 2 r | CL,PL,VRI,C,*11...20 |
| Oct 16 1982 | 12.5" 24mm | MF,ML,SC 'S SUR CLDENSE CL TOWARDS CNTR,~60**S | | |
| H38-2 | NGC 4636 | Vir | Galaxy E0-1 | B,L,IR,VGVM,MBM,R |
| Mar 27 1982 | 12.5" 12mm | DIF,MB,PS,BNUC,COMP SUSP N TIP,B* TO W,MHISB,MBM | | |
| Jun 04 1981 | 12.5" 16mm | MB,ML,BNUC,DIM HALO | | |
| H38-7 | NGC 2324 | Mon | Open Cluster II 2 r | CL,L,RI,CC,ST12...16 |
| Feb 25 1984 | 12.5" 24mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | VF,ML,~100**S,BG GLOW,SOME B**S IN CL,WELL PLACED | | |
| H38-8 | NGC 2422 | Pup M47 | Open Cluster I 3 m | CL,B,VL,PRI,ST L\$\$ |
| Mar 03 2021 | 36" 55mm | (I 3 r),EB,EEL,2 FOV'S,MANY **S,VAR MAG,FILLS FOV,(8:45pm),R=G | | |
| Nov 24 2006 | 12.5" 12mmT4 | VB,EL,NOT WELL PLACED,~20**S,LOOSLY SC,M47,R=F | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Oct 16 1982 | 12.5" 24mm | VB,VL,FILLS 24MM,B**S,LOOSE AND SC,~50**S DIFF MAG | | |
| Mar 27 1982 | 12.5" 24mm | VB,VL,B DBL * IN CNTR,~25**S,NO CL DET,JUST B**S | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H39-1 | NGC 4697 | Vir | Galaxy E6 | VB,L,LE45,SMBMN |
| Mar 27 1982 | 12.5" 12mm | MB,ML,EL-OVAL,F* TO W,GMBM,TAPERED ENDS | | |
| H39-4 | NGC 2438 | Pup | Planetary Neb 4+2 | PLN,PB,PS,VLE,R |
| Dec 28 2008 | 31" 17mmT4 | VB,ML,R,2**S INSIDE CNTR RING,INNER AREA DARKER,MHISB INNER RING,OIII HELPS,R=E | | |
| Mar 19 2004 | 12.5" 12mmT4 | W/OIII, PLANETARY IN M46,RING SHAPE,CNTR DARKNESS,DONUT APPEARANCE,R=E | | |
| Mar 27 1982 | 12.5" 12mm | MF,PS,24MM-NO CNTR * DET,R,UB,12MM-CNTR * DET,UB,R,SOME DARK PATCHES SUSP | | |
| Dec 03 1980 | 12.5" 24mm | PLANETARY IN M46,GREAT!! | | |
| H39-6 | NGC 2571 | Pup | Open Cluster II 3 m | CL,VL,CRI,LC,ST9... |
| Oct 16 1982 | 12.5" 24mm | MB,ML,**S DIFF MAG,SC,LOOSE,~30**S | | |
| H39-7 | NGC 1907 | Aur | Open Cluster I 1 m n | CL,PRI,PC,R,ST9...12 |
| Mar 27 1981 | 12.5" 24mm | | | |
| H40-6 | NGC 6171 | Oph M107 | Globular X | GCL,L,VRI,VMC,R,RRR |
| May 09 2010 | 31" 17mmT4 | (Class VI),VB,VL,RSLV TO CORE,L OUTER HALO SC **S VAR MAG,R=E | | |

Herschel 400 (I) Observations

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|--------------|-----------------|--|--|
| H40-6 | NGC 6171 | Oph M107 Globular X | GCL,L,VRI,VMC,R,RRR |
| May 09 2010 | 31" | 17mmT4 (Class VI),VB,VL,RSLV TO CORE,L OUTER HALO SC | **S VAR MAG,R=E |
| Mar 22 2004 | 12.5" | 12mmT4 | MESSIER MARATHON 2004 |
| Jul 21 1984 | 12.5" | 16mm | SAME |
| Aug 13 1982 | 12.5" | 16mm | MB,PL,SBM,R,3B**S SUR OBJECT,SOME F* SC |
| Mar 27 1981 | 12.5" | 24mm | MESSIER MARATHON 1981 |
| Sep 10 1980 | 12.5" | 24mm | |
| Jul 11 1980 | 12.5" | 24mm | |
| Jun 18 1980 | 12.5" | 24mm | |
| Jun 10 1980 | 6" | 24mm | |
| May 07 1980 | 5" | 9mm | |
| Apr 16 1980 | 6" | 24mm | |
| H40-7 | NGC 7128 | Cyg Open Cluster I 3 m | CL,S,PRI,HASARUBY*9 |
| Aug 11 1982 | 12.5" | 24mm | MB,PS,5 OR 6 B**S SUR FTR **S,STANDS OUT WELL,~40 **S |
| H41-4 | NGC 6514 | Sgr M20 Brt Nebula EN+OC | VB,VL,TRIFID,D*INV |
| May 13 2021 | 36" | 31mmT5 | (Lb 1),EB,EEL,BOTH NEB PARTS EASILY DET,RIFTS,EDGES DEF IN DARK AREAS,W/OIII, FILLS FOV,BEST TO DATE,REDDISH COLOR,DARK LANES,(2:40am),R=EE |
| Sep 11 2012 | 36" | 31mmT5 | EB,EL,W/OIII NICE D* IN CL,BROKEN PARTS,DARK LANES,BLUEISH GREEN ONE HALF,OTHER REDDISH AND FTR,NEB FILLS FOV,OIII GIVES MORE DETAIL IN NEB,W/OIII,NEB FTR,D* APPEARS BLUEISH,R=EE |
| Mar 22 2004 | 12.5" | 12mmT4 | MESSIER MARATHON 2004 |
| Sep 20 1984 | 12.5" | 24mm | SAME,TRIFID NEB |
| Aug 13 1982 | 12.5" | 24mm | MB,VL,DUST LANES EASILY DET,B DBL * IN CNTR,BOTH PARTS DET |
| Sep 20 1981 | 12.5" | 24mm | |
| Mar 27 1981 | 12.5" | 24mm | MESSIER MARATHON 1981 |
| Sep 10 1980 | 12.5" | 24mm | |
| Jul 17 1980 | 12.5" | 24mm | |
| Jul 15 1980 | 12.5" | 32mm | GREAT!!,DBL * IS IN CNTR OF NEB |
| Jun 18 1980 | 12.5" | 24mm | |
| Jun 10 1980 | 6" | 24mm | |
| May 07 1980 | 5" | 9mm | |
| H41-7 | NGC 7296 | Lac Open Cluster II 2 p | CL,IR,LC,ST VS |
| Sep 20 1984 | 12.5" | 24mm | MB,PS,~20**S SC |
| Aug 11 1982 | 12.5" | 24mm | MF,VS,1B*W EDGE,R,FOV FULL OF **S WITH HINT OF MANY MORE!! |
| H42-1 | NGC 4995 | Vir Galaxy SAB(rs)b | PB,PL,R,VGPMBM,*8NP |
| Feb 12 1983 | 12.5" | 16mm | MB,ML,MHISB,UB,NND,PATCHY |
| H42-5 | NGC 4631 | CVn Galaxy SB(s)d sp | VB,VL,EE70,BMN,*ATTN |
| Mar 17 2007 | 31" | 17mmT4 | EB,EL,EL,HISB,ONE SIDE THICKER,MILKY,BH2 RGN,DUST,F* OFF NUC/TIP,R=E |
| Jan 28 1982 | 12.5" | 12mm | VB,VL,EDGE ON,* N OF NUC,F* W TIP,MHISB,PATCHES DET IN EQ PLANE |
| H42-6 | NGC 6939 | Cep Open Cluster II 1 r | CL,PL,ERI,PCM,*11.16 |
| Jul 09 1983 | 12.5" | 24mm | MB,PL,~100**S,SMWHT V SHAPED,CL HAS DEFINITE EDGE,PAIR/6946 |
| Jun 06 1981 | 12.5" | 16mm | PF,PL |
| Aug 19 1980 | 12.5" | 32mm | LOC THIS FIRST BEFORE 6946 |
| H42-7 | NGC 457 | Cas Open Cluster II 3 r | CL,B,L,PRI,*7,8,10 |
| Jul 31 1981 | 12.5" | 16mm | B**S,FEW **S ~20,L SC THRUT EYEPIECE |
| Jul 17 1980 | 12.5" | 24mm | |
| H43-1 | NGC 4594 | Vir M104 Galaxy SA(s)a sp | VB,VL,EE92,VSMBMN |
| Apr 11 2015 | 36" | 17mmT4 | EB,EL,EDGE ON,DUST LANE CUTS OFF 1/2 NUC,S SOFT HISB GBM NUC,GRAN HISB ARMS,CNTR BULGE,TAPERED ENDS,INCREDIBLE,R=EE |

Herschel 400 (I) Observations

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|--------------|-----------------|--|------------------------------|-----------------------------|
| H43-1 | NGC 4594 | Vir M104 | Galaxy SA(s)a sp | VB,VL,EE92,VSMBMN |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Feb 12 1983 | 12.5" 16mm | VB,ML,EDGE ON,BNUC,DUST LANE EASILY DET,B CNTR BULGE,CUT IN TWO | | |
| May 01 1981 | 12.5" 24mm | VB,PL,EDGE ON,BUC,B HALO,DUST LANE SEEN THROUGH GLXY | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| May 07 1980 | 5" 9mm | E!!,DUST LANE DET,SHAPE DET | | |
| H43-5 | NGC 4258 | CVn M106 | Galaxy Sb | VB,VL,VME0,SBMBN |
| Mar 08 2010 | 31" 17mmT4 | VB,VL,OVAL,HISB CNTR,EL NUC,GMBM,SPRIAL ARMS,SPR STR,DUST DET,R=EE | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Jan 26 1982 | 12.5" 16mm | VB,VL,BNUC,F HALO,* ON NW EDGE,OVAL,4217 TO W 1 GLXY DIA | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Jul 05 1980 | 12.5" 24mm | | | |
| May 07 1980 | 5" 9mm | | | |
| H43-8 | NGC 1750 | Tau | Open Cluster III 2 p | CL,ST L,VCSC |
| Mar 22 2004 | 12.5" 25mm | VB,EL,FEW B*S LOOSLY SC,NOT WELL PLACED,OTHER CL,S DET,R=F | | |
| H44-1 | NGC 6401 | Oph | Globular XIII | PB,PL,R,*12F INV |
| Jul 01 2019 | 36" 17mmT4 | (Class XI),MB,ML,PATCH,UB,B* JUST OF CNTR OF NUC,OBLONG PATCH,R=G | | |
| Jun 04 1981 | 12.5" 24mm | DIF | | |
| H44-2 | NGC 3190 | Leo | Galaxy SA(s)a pec sp | B,PS,E,PSBMN |
| Mar 06 2010 | 31" 17mmT4 | VB,VL,EL,BSNUC,TIGHT,R VB NUC,HISB CNTR,MHISB RGN FROM NUC,PAIRS=3183/31878,R=E | | |
| Feb 25 1984 | 12.5" 12mm | MB,PL,EL,MHISB,CLOSE PAIR/3193/3185 | | |
| Jan 30 1981 | 12.5" 24mm | DIF,PB,PL,EDGE ON,DIM NUC,PAIR/3185/3193 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H44-5 | NGC 2403 | Cam | Galaxy Sc | CB,EL,VME,VGMBMN |
| Dec 21 1981 | 12.5" 16mm | SPR STR DET,BEAUTIFUL!!! | | |
| Dec 21 1981 | 12.5" 24mm | PB,PL,HISB,BSNUC,L OVAL PATCH,SOME STR SUSP,B*S IN GLXY | | |
| Sep 18 1980 | 12.5" 24mm | 2*S IN GLXY PRESENT | | |
| H44-7 | NGC 7510 | Cep | Open Cluster II 3 r n | CL,PRI,PC,FAN-SH,B*P |
| Jul 09 1983 | 12.5" 16mm | MB,MS,ARROW HEAD SHAPE,~40*S,SIM TO M103 | | |
| Aug 11 1982 | 12.5" 24mm | MB,VS,B*S RESEMBLE TRI,F*S NW,~30*S,STANDS OUT WELL | | |
| H45-1 | NGC 6316 | Oph | Globular III | GCL,CB,PS,R,GVMBM |
| Jun 28 2019 | 36" 17mmT4 | (Class XI),MF,MS,R,UB,HARD TO RESOLVE *'S,R=G | | |
| Jun 04 1981 | 12.5" 24mm | DIF,MF,MS | | |
| H45-2 | NGC 3193 | Leo | Galaxy E2 | B,S,VLE,PSLBM,*9NF |
| Mar 06 2010 | 31" 17mmT4 | EF,VL,R,BLNUC,HISB,GRAN HALO SUR NUC,PAIRS=3190/3187,R=E | | |
| Feb 25 1984 | 12.5" 12mm | MB,ML,R,BM,F* TO W,MHISB,CLOSE PAIR/3190/3185 | | |
| Jan 30 1981 | 12.5" 24mm | PB,PL,BNUC,DIM HALO,PAIR/3185/3190 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | JUST BARELY VISIBLE,DID NOT FIND OTHERS IN AREA | | |
| H45-4 | NGC 2392 | Gem | Planetary Neb 3b+3b | B,S,R,*9M,*8NF100" |
| Nov 22 2006 | 12.5" 12mmT4 | EB,VL,B CNTR * GOES AWAY WITH AV,B BLUE BALL,PATCHY AREAS DET OUTER,R=E | | |
| Dec 04 2004 | 31" 17mmT4 | VB,VL,WITH OIII,CNTR * EASY,RINGS SUR CNTR *,DARK RINGS BET OUTER NEB LOOKS MATTED,B BLUE,BEST EVER SEEN TO DATE,R=E | | |
| Feb 21 1984 | 12.5" 12mm | MB,PS,ESKIMO NUBULA,CNTR * EASILY DET,PATCHED IN NEB DET,FORMS TRI W2*S | | |
| Oct 23 1982 | 12.5" 12mm | CNTR * DET,SOME DARK AREAS IN GAS DET | | |

Herschel 400 (I) Observations

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|--------------|-----------------|--|----------------------------|-----------------------------|
| H45-4 | NGC 2392 | Gem | Planetary Neb 3b+3b | B,S,R,*9M,*8NF100" |
| Oct 23 1982 | 12.5" 12mm | CNTR * DET,SOME DARK AREAS IN GAS DET | | |
| Oct 16 1982 | 12.5" 12mm | BLUE,MF,VS,R,UB,NO CNTR * | | |
| Oct 31 1980 | 12.5" 24mm | ESKIMO NEB,NON STELL,GREAT!! | | |
| H45-5 | NGC 3953 | UMa | Galaxy SB(r)bc | CB,L,E0,VSMBLRN |
| Mar 15 1985 | 12.5" 16mm | SAME,PB,PL,BNUC,F* JUST W OF NUC,FACE ON,SPR STR DET | | |
| Feb 12 1983 | 12.5" 16mm | MB,PL,FNUC,F*W EDGE,OVAL,SOFT NUC,VMBM,FACE ON,HALO | | |
| H45-7 | NGC 436 | Cas | Open Cluster I 2 m | CL,S,IF,PC |
| Aug 13 1982 | 12.5" 24mm | MF,MS,20-30 *S,LOOSE,SC | | |
| H46-1 | NGC 6355 | Oph | Globular | CF,L,R,GBM,RRR |
| Jun 28 2019 | 36" 17mmT4 | (Class XI),PF,PS,S TIGHT GRP OF F*S,UB,R=F | | |
| Jun 04 1981 | 12.5" 24mm | DIF,PF,PS | | |
| H46-5 | NGC 3556 | UMa M108 | Galaxy SB(s)cd sp | CB,VL,VME79,PBM,R |
| Mar 08 2013 | 36" 17mmT4 | MESSIER MARATHON 2013 | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Dec 26 2003 | 31" 17mmT4 | VB,EL,EDGE ON,NND,MHISB,3*S IN GLXY,H2 RGN DET,DUST DET,PATCHY ARMS DET,E | | |
| Mar 15 1985 | 12.5" 12mm | MB,PL,EDGE ON,F*N EDGE,B*CNTER,MHISB,KNTY STR SUSP,E!!! | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Oct 22 1982 | 12.5" 16mm | DIF,MB,VL,F*N EDGE,EDGE ON,UB,LG,NND | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| May 07 1980 | 5" 9mm | | | |
| Apr 16 1980 | 6" 24mm | IN SAME FOV WITH M97 | | |
| H46-7 | NGC 654 | Cas | Open Cluster II 2 r | CL,IF,RI,1*6.7, |
| Jul 31 1981 | 12.5" 24mm | SM,LTL DIFF SEEN IN CL,FEW *S | | |
| H47-1 | NGC 6712 | Sct | Globular IX | GCL,PB,VL,IRR,RRR |
| Jun 28 2019 | 36" 17mmT4 | (Class XI),MF,PL,LF NUC,F OUTER *S RSLV,UB CORE,R=G | | |
| Sep 05 2007 | 31" 17mmT4 | PB,VL,OVAL,HUNDREDS *S,RSLV TO CORE,*S MOSTLY SAME MAG,R=E | | |
| Aug 13 2007 | 31" 31mmT5 | VB,VL,RSLV,17MM *S IN CORE DET,R=E | | |
| Aug 13 1982 | 12.5" 16mm | MB,VL,OVAL,PATCHY,SBM,OUTER *S STARTING TO RSLV | | |
| H47-5 | NGC 3079 | UMa | Galaxy SB(s)c sp | VB,L,ME135 |
| Mar 06 2003 | 12.5" 9mmT6 | VB,EL,EDGE ON,MHISB,CNTR BULGE,SBM,DUST LANE SUSP,PAIR=3073,R=E | | |
| Jan 08 2003 | 12.5" 9mmT6 | VB,BL,EDGE ON,DUST DET,SLT BULGE IN CNTR,F* IN TIP,MHISB,PAIR/3073 | | |
| Mar 15 1985 | 12.5" 12mm | PB,PL,F* IN N TIP,SAME *S PRESENT,S PART THICKER THAN N | | |
| Oct 22 1982 | 12.5" 16mm | MF,ML,EDGE ON,F*N TIP,F*E SIDE,UB,TAPERED,NND | | |
| Dec 03 1980 | 12.5" 24mm | LOOKS LIKE MINATURE M82 | | |
| H47-7 | NGC 1502 | Cam | Open Cluster I 3 m | CL,PRI,CC,IF |
| Nov 13 2020 | 36" 55mm | (I 3 m),EB,EL,NEB DET SUR B*S IN CNTR,SC,NICE IN FOV,*S VAR MAG,~25*S,(1:45am),R=G | | |
| Oct 03 1981 | 12.5" 24mm | MB,ML,B DBL * IN CNTR,~20*S,NICE IN 24MM | | |
| H48-1 | NGC 6356 | Oph | Globular II | GCL,VB,CL,VGVMBM,RRR |
| Jun 28 2019 | 36" 17mmT4 | (Class XI),MB,ML,UB,HALO OF F*S SUR SOFT UB NUC,R=G | | |
| Jul 21 1984 | 12.5" 12mm | MB,ML,BNUC,R,HISB CNTR,*S NOT RSLV | | |
| Jun 04 1981 | 12.5" 24mm | MB,ML,BNUC | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | | | |
| H48-7 | NGC 559 | Cas | Open Cluster I 1 m | CL,B,PL,PRI |

Herschel 400 (I) Observations

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|--------------|-----------------|--|----------------------------|-----------------------------|
| H48-7 | NGC 559 | Cas | Open Cluster I 1 m | CL,B,PL,PRI |
| Jul 31 1981 | 12.5" 24mm | FEW B*S, MOSTLY FTR *S ~10...11 MAG, ~50*S IN ALL | | |
| H49-1 | NGC 6522 | Sgr | Globular VI | GCL,B,PL,R,GVMBM,RRR |
| Jul 01 2019 | 36" 17mmT4 | (Class XII),PB,ML,SB NUC,L HALO OF VF*S,MHISB CNTR,RICH * FIELD,R=G | | |
| Sep 20 1984 | 12.5" 12mm | PF,PS,2F*S BOTH SIDES,EF* ON W EDGE,SBM,PATCHY-R,PAIR/6528 TO W | | |
| Aug 13 1982 | 12.5" 16mm | MF,VS,F*NE EDGE,R,MBM,OUTER *S JUST RESOLVABLE,PAIR/6538 | | |
| H49-7 | NGC 637 | Cas | Open Cluster I 2 m | CL,PS,B\$VF ST |
| Jul 31 1981 | 12.5" 24mm | S IN SWHT BARREN * FIELD,FEW F*S SEEN | | |
| H50-1 | NGC 6624 | Sgr | Globular VI | GCL,VB,PL,R,RRR,ST16 |
| Jul 01 2019 | 36" 17mmT4 | (Class IV),PB,ML,BSNUC,OUTER *S RSLV TO CORE,HISB CNTR,GMBM,R=GE | | |
| Aug 13 1982 | 12.5" 16mm | VB,MS,BNUC,R,VMBM | | |
| H50-2 | NGC 3607 | Leo | Galaxy SA(s)0^: | VB,L,R,VMBM,2ND OF 3 |
| Mar 06 2010 | 31" 17mmT4 | VB,VL,OVAL,BLNUC,HISB,PAIRS=3606/3605/PGC34407,R=E | | |
| Mar 03 1984 | 12.5" 12mm | VB,ML,BNUC,R,BM,PAIRS/3608/3605 | | |
| Jan 30 1981 | 12.5" 24mm | PB,PL,BNUC,PAIR/3605/3608 | | |
| Jun 10 1980 | 6" 24mm | V DIFF TO FIND, NO GUIDE *S | | |
| H50-4 | NGC 6229 | Her | Globular IV | GCL,VB,L,R,DISC,R |
| Jun 28 2019 | 36" 17mmT4 | (Class IV),VB,PL,HIGH CL OF *S TOWARDS MID,BLNUC,HISP,R=E | | |
| Feb 25 1982 | 12.5" 16mm | MB,MS,BNUC,MHISB,ALM RSLV,R | | |
| Jul 14 1980 | 12.5" 24mm | | | |
| Jul 12 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 17 1980 | 12.5" 24mm | | | |
| Apr 18 1980 | 6" 24mm | LOOKS LIKE 3RD * IN A TRI | | |
| H51-1 | NGC 6638 | Sgr | Globular VI | GCL,B,S,R,RR |
| Jun 28 2019 | 36" 17mmT4 | (Class VIII),PB,MS,F OUTER *S RSLV TO SOF UB L CORE,R=GE | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| Jun 17 1980 | 12.5" 24mm | | | |
| H51-2 | NGC 3608 | Leo | Galaxy E2 | B,PL,R,PSBM,3RD OF 3 |
| Mar 10 2007 | 31" 17mmT4 | MF,MS,OVAL,FLNUC,PAIRS=MAC'S,R=F | | |
| Mar 03 1984 | 12.5" 12mm | MB,ML,BNUC,SLT EL,BM,SVRL *S NE AND NW,PAIR/3607/3605 | | |
| Jan 30 1981 | 12.5" 24mm | DIF,PF,PL,EL,FNUC AND HALO,PAIR/3605/3607 | | |
| H51-4 | NGC 6818 | Sgr | Planetary Neb 4 | PLN,B,VS,R |
| Sep 02 2008 | 31" 17mmT4 | VB,ML,R,OIII HELPS MUCH,B BLUEISH GREEN,CNTR RGN DARK,NO CNTR* DET,R=E | | |
| Jul 30 2002 | 12.5" 16mm | MB,ML,B BLUE GREEN,VR | | |
| Sep 20 1984 | 12.5" 12mm | PB,PS,F* JUST TO W,UB,R | | |
| Sep 20 1981 | 12.5" 24mm | | | |
| Jul 15 1980 | 12.5" 24mm | | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| Jun 17 1980 | 12.5" 9mm | GREAT,LOOKS LIKE 6210 | | |
| H51-7 | NGC 7062 | Cyg | Open Cluster II 2 m | CL,PS,PRI,PC,ST13... |
| Aug 11 1982 | 12.5" 24mm | MB,ML,UNIFORM DIST,FEW B*S WITH F*S,R,~50*S | | |
| H52-1 | NGC 7006 | Del | Globular I | B,PL,R,GBM |
| Jul 01 2019 | 36" 17mmT4 | (Class III),PB,ML,OUTER *S RSLV,L MHISB CORE,PAIR=PGC 65907,R=G | | |
| Jul 31 2002 | 12.5" 12mm | SAME | | |
| Jul 08 1983 | 12.5" 12mm | DIF,MF,MS,FNUC,R,SBM,SOFT GLOW | | |
| Jul 30 1981 | 12.5" 24mm | BNUC,NO *S IN HALO SEEN,R,S VDIF | | |
| H52-2 | NGC 3626 | Leo | Galaxy S0-a | B,S,VLE,SBM |

Herschel 400 (I) Observations

| | | | | |
|--------------|-----------------|------------|--|-----------------------------|
| H52-2 | NGC 3626 | Leo | Galaxy S0-a | B,S,VLE,SBM |
| Mar 21 2020 | 36" | 17mmT4 | EB,EL-OVAL,VBLNUC,VHISB,HISB HALO,GRAN,VBLNUC,VHISB CNTR,SUDLY VBM,R=E | |
| Mar 03 1984 | 12.5" | 12mm | MB,PS,BNUC,R,BM | |
| Jan 30 1981 | 12.5" | 24mm | VB,PS,BNUC,PAIR/M65/M66/3628 | |
| H53-1 | NGC 7331 | Peg | Galaxy SA(s)b | B,PL,PME163,SMBM |
| Sep 17 2003 | 31" | 25mm | EB,EL,EDGE ON,BNUC,HISB,TIGHT BNUC,DUST LANE,COMP DET,7331 CL,R=E | |
| Jun 27 2003 | 12.5" | 9mmT6 | EB,EL,BNUC,VHISB,DUST DET,BLNUC,F HALO & ARMS,OTHERS PRESENT,R=E | |
| Sep 01 2002 | 12.5" | 12mm | SAME | |
| Sep 21 1984 | 12.5" | 12mm | MB,ML,EDGE ON,SAME,COMP CLOSE BY | |
| Jul 06 1983 | 12.5" | 16mm | MB,PL,EDGE ON,BLNUC,TAPERED ENDS,DUST LANE SUSP IN 12MM | |
| Sep 18 1982 | 12.5" | 16mm | MB,ML,EDGE ON,BNUC,DUST LANE SUSP,TAPERED ENDS,7335 CLOSE BY | |
| Jul 29 1981 | 12.5" | 24mm | SAME,3 COMP GLXY SEEN,7335/7336/7340 | |
| Jul 07 1981 | 12.5" | 24mm | PB,PL,EDGE ON,BNUC,DIM AREA | |
| Sep 18 1980 | 12.5" | 24mm | | |
| Sep 10 1980 | 12.5" | 24mm | | |
| Sep 07 1980 | 12.5" | 24mm | | |
| Jul 17 1980 | 12.5" | 24mm | | |
| Jul 15 1980 | 12.5" | 24mm | | |
| Jul 12 1980 | 12.5" | 24mm | | |
| Jul 11 1980 | 12.5" | 24mm | | |
| Jun 20 1980 | 12.5" | 24mm | | |
| Jun 17 1980 | 12.5" | 24mm | TWILIGHT STARTING,OBJECT WASHED OUT | |
| H53-4 | NGC 1501 | Cam | Planetary Neb 3 | PLN,PB,PS,VLE,1'DIAM |
| Oct 09 2010 | 31" | 17mmT4 | MB,ML,R,CNTR* 13TH MAG,GRAYISH GREEN COLOR,VR,SHARP EDGES,DARKER INNER RING,OIII HELPS LTL,CNTR* GOES AWAY,R=E | |
| Oct 03 1981 | 12.5" | 12mm | VR,UB,F CNTR * 14TH MAG DET,GREEN,DIF,MF,MS | |
| H53-7 | NGC 7209 | Lac | Open Cluster III 1 m | CL,L,CRI,PC,ST9...12 |
| Sep 20 1984 | 12.5" | 24mm | VB,VL,~40-50*S,SC,NICE,*S ~SAME MAG | |
| Jul 15 1980 | 12.5" | 24mm | CL WELL PLACED | |
| H54-4 | NGC 4143 | CVn | Galaxy SAB(s)0^A | CB,R,VG,VSBMN |
| Feb 12 1983 | 12.5" | 16mm | MB,PS,EL,BNUC,SBM,TAPERED | |
| Jan 26 1982 | 12.5" | 16mm | PB,ML,BNUC,NUC DET,VMBM | |
| Jul 05 1980 | 12.5" | 24mm | | |
| H55-1 | NGC 7479 | Peg | Galaxy SB(s)c | PB,CL,ME12,BET2ST |
| Oct 07 2010 | 31" | 17mmT4 | PB,PL,BSNUC,SCORPIN TAIL,BARRED SPR,ONE SIDE,BTR ARM THAN OTHER,ARMS,R=E | |
| Sep 21 1984 | 12.5" | 16mm | SAME,MB,PL,VF* ON N TIP,FACE ON,SPR STR DET,S ARM BTR THAN N | |
| Jul 07 1981 | 12.5" | 24mm | DIF,MF,PL,DIM ARMS,F* (15MAG) ON N SIDE | |
| Jul 15 1980 | 12.5" | 24mm | EF,PL | |
| Jul 11 1980 | 12.5" | 24mm | | |
| H55-2 | NGC 4394 | Com | Galaxy (R)SB(r)b | PB,LE,BM |
| Mar 08 2010 | 31" | 17mmT4 | MB,MS,EL,BLNUC,MHISB CNTR,GMB,PAIR=4382,R=G | |
| Feb 12 1983 | 12.5" | 16mm | MF,MS,DNUC,R,SBM,PAIR/4382 | |
| Mar 27 1981 | 12.5" | 24mm | | |
| H56-1 | NGC 2903 | Leo | Galaxy SAB(rs)bc | CB,VL,E,GMBM,R,SPOF2 |
| Mar 17 2018 | 36" | 17mmT4 | VB,VL,GRAN HAZE,B PATCHY RGN,SOFT SNUC,GMBM,BAR DET,ARMS ATTACHED BOTH ENDS,SHARP HOOK,R=E | |
| Jan 20 2004 | 31" | 17mmT4 | EB,EL-OVAL,BVLNUC,HISB,BAR DET,BH2 RGN ONE SIDE,ARMS DET,BH2 RGN IS NGC 2905,AWSOME,R=E | |
| Feb 25 1984 | 12.5" | 12mm | MB,PL,EL,BNUC,3*S OFF TO ONE SIDE,SBM,MB EQ PLANE | |

Herschel 400 (I) Observations

| | | | | |
|--------------|-----------------|---|-----------------------------|-----------------------------|
| H56-1 | NGC 2903 | Leo | Galaxy SAB(rs)bc | CB,VL,E,GMBM,R,SPOF2 |
| Feb 25 1984 | 12.5" 12mm | MB,PL,EL,BNUC,3**S OFF TO ONE SIDE,SBM,MB EQ PLANE | | |
| Jan 30 1981 | 12.5" 24mm | VB,VL,BNUC,DIF HALO,GREAT!! | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | | | |
| Apr 16 1980 | 6" 24mm | SPR STR SUSP,DIF | | |
| H56-2 | NGC 4450 | Com | Galaxy SA(s)ab | B,L,R,GVMBM*,R,B*SP |
| Mar 16 2010 | 31" 17mmT4 | VB,VL,EL,BSNUC,SBM,HISB CNTR,GRAN OVAL ARMS,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MB,ML,FNUC,R,LNUC,HALO DET | | |
| Jun 10 1980 | 6" 24mm | | | |
| H56-4 | NGC 4051 | UMa | Galaxy SAB(rs)bc | B,VL,E,VGVSMBM*11 |
| Feb 12 1983 | 12.5" 16mm | MB,PL,FNUC,F*W EDGE,B* E,*NUC,KNTS SUSP,FACE ON,OVAL | | |
| H56-7 | NGC 7790 | Cas | Open Cluster II 2 m | CL,PRI,PC |
| Jul 31 1981 | 12.5" 24mm | FEW *S,SC IN FIELD *S | | |
| H56-8 | NGC 6910 | Cyg | Open Cluster I 3 m n | CL,PB,PS,P,PC,*20.12 |
| Aug 13 1982 | 12.5" 24mm | V LOOSE,~20 *S,PB,PL | | |
| H58-4 | NGC 40 | Cep | Planetary Neb 3b+3 | F,VS,R,VSMBM,*12SP |
| Sep 02 2008 | 31" 17mmT4 | PB,ML,OVAL,LAYERS OF RINGS DET,B CNTR*,GREENISH,F* ON EDGE,OIII NO HELP,R=E | | |
| Jul 09 1983 | 12.5" 12mm | MB,PS,BNEC,B CNTR *,SHARP EDGES,R | | |
| Aug 13 1982 | 12.5" 16mm | BG COLOR,MF,PS,R,B CNTR *,(10TH MAG),SIM TO BLINKING PL,F*W SIDE | | |
| Aug 13 1982 | 12.5" 7mm | EL STARTING TO SHOW UP | | |
| H58-7 | NGC 2479 | Pup | Open Cluster III 1 m | CL,PL,PRI,PC,ST S |
| Oct 16 1982 | 12.5" 24mm | MF,VL,40-50*S,SC,~SAME MAG | | |
| H59-7 | NGC 6866 | Cyg | Open Cluster II 2 r | CL,L,VRI,CC |
| Jun 06 1981 | 12.5" 16mm | MB,MS | | |
| H59-8 | NGC 1664 | Aur | Open Cluster III 1 p | CL,LRI,LC,PL |
| Feb 09 2013 | 36" 31mmT5 | EB,EL,~100*S SC VAR MAG*S,M CL,FILLS FOV,R=G | | |
| Aug 21 1982 | 12.5" 24mm | MB,PL,B* OUTSIDE CL,*S SAME MAG,~50*S,SC,NICE IN 24MM | | |
| Apr 16 1980 | 6" 24mm | V DISPERSE,FILLS FOV,SMWHT DET | | |
| H60-4 | NGC 3310 | UMa | Galaxy SAB(r)bc pec | CB,PL,R,VG,VSMBMN |
| Mar 15 1985 | 12.5" 12mm | SAME | | |
| Oct 22 1982 | 12.5" 12mm | SAME | | |
| Oct 22 1982 | 12.5" 16mm | MB,MS,HISB,R,SBM,FORMS TRI WITH 2F*S,B* IN FIELD | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H60-7 | NGC 1513 | Per | Open Cluster II 1 m | CL,L,VRI,PC,ST VL |
| Oct 03 1981 | 12.5" 24mm | MB,ML,~40*S,DARK PATCH IN CNTR,U SHAPED | | |
| Sep 03 1980 | 12.5" 24mm | | | |
| H60-8 | NGC 2311 | Mon | Open Cluster III 2 m | CL,LC,NOT RI |
| Oct 16 1982 | 12.5" 24mm | MF,ML,~40*S SAME MAG,R | | |
| H61-1 | NGC 2974 | Sex | Galaxy E4 | B,CS,IR,BM,*9SP43" |
| Jan 29 2014 | 36" 17mmT4 | MB,ML,OVAL,BLNUC,* OFF EDGE,MHISB CNTR,R=G | | |
| Oct 22 1982 | 12.5" 12mm | MF,VS,SLT EL,B* ON W TIP,HISB,GMBM | | |
| H61-4 | NGC 3992 | UMa M109 | Galaxy SB(rs)bc | CB,VL,PME,SBMBRN |
| Mar 08 2013 | 36" 17mmT4 | MESSIER MARATHON 2013 | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Dec 26 2003 | 31" 17mmT4 | EB,EL,EL,BVLNUC,HISB NUC,FARMS DET,PATCHY AREAS DET,M109,R=E | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |

Herschel 400 (I) Observations

| | | | |
|--------------|-----------------|---|-----------------------------|
| H61-4 | NGC 3992 | UMa M109 Galaxy SB(rs)bc | CB,VL,PME,SBMBRN |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | |
| Sep 18 1980 | 12.5" 24mm | | |
| H61-7 | NGC 1528 | Per Open Cluster II 2 m | CL,B,VRI,CC |
| Oct 03 1981 | 12.5" 24mm | VB,VL,ONE HALF CL BTR THAN OTHER,~50*S | |
| Sep 03 1980 | 12.5" 24mm | | |
| Jul 17 1980 | 12.5" 24mm | | |
| H62-4 | NGC 3982 | UMa Galaxy SAB(r)b: | B,PL,R,G,SBM,DISC |
| Feb 12 1983 | 12.5" 16mm | MB,MS,DNUC,R,SBM,SAME 24MM FIELD WITH 3998 | |
| H62-7 | NGC 6756 | Aql Open Cluster I 1 m | CL,S,RI,LC,*11...12 |
| Aug 31 1984 | 12.5" 16mm | SAME | |
| Jul 10 1981 | 12.5" 16mm | INDIVIDUAL *S JUST BARELY VISIBLE,VDIF,RESEMBLES A L GLXY OR GLOB X | |
| H63-1 | NGC 1052 | Cet Galaxy E4 | B,PL,R,MBM*12 |
| Sep 27 1981 | 12.5" 16mm | PB,MS,BNUC,MBM,R,F*NW 1 GLXY DIA SUSP,PAIR/1048 | |
| Sep 18 1980 | 12.5" 24mm | | |
| Sep 07 1980 | 12.5" 24mm | | |
| H63-7 | NGC 2627 | Pyx Open Cluster II 2 r | CL,CL,PRI,PC,*11..13 |
| Oct 22 1982 | 12.5" 16mm | MF,MS,FEW B*S WITH FTR BG *S,CL TO S SUSP | |
| H64-1 | NGC 1084 | Eri Galaxy SA(s)c | VB,PL,E,GPMBM |
| Oct 24 1981 | 12.5" 12mm | MB,ML,EL,HISB,PATCHY,NND,VMBM | |
| Oct 31 1980 | 12.5" 24mm | | |
| Sep 09 1980 | 12.5" 24mm | | |
| H64-4 | NGC 2440 | Pup Planetary Neb 5+3 | PLN,CB,NOT VWELL DEF |
| Dec 28 2008 | 31" 17mmT4 | VB,PL,EL,NO CNTR*,IRR,2 HALVES/LOBS,HISB CNTR,F OUT SHELL,OIII HELP DETAIL,R=E | |
| Dec 03 1980 | 12.5" 24mm | SIM TO SATURN NEB,B BLUE,SLT DIF NEB SUR OBJECT | |
| H64-7 | NGC 2567 | Pup Open Cluster II 2 m | CL,PL,PRI,LC,IR,*11. |
| Oct 16 1982 | 12.5" 24mm | VF,ML,~40*S,SC,~SAME MAG *S | |
| H64-8 | NGC 381 | Cas Open Cluster III 1 m | CL,PC |
| Sep 28 2013 | 36" 17mmT4 | VB,BL,~30*S,LOOSLY SC,FILLS FOV,R=F | |
| Jul 31 1981 | 12.5" 24mm | BLENDS IN WITH FIELD OF *S OF ~SAME MAG | |
| Sep 03 1980 | 12.5" 24mm | | |
| H65-1 | NGC 4361 | Crv Planetary Neb 3a+2 | VB,L,R,VSMBMN,R |
| Mar 16 2009 | 31" 17mmT4 | VB,EL,B CNTR*,SQUARE SHAPE NEB,GREENISH,W/OIII,NEB MORE PRONOUNCED,HELPS A LTL,NEB MORE SQUARE LIKE,R=E | |
| May 03 1981 | 12.5" 16mm | BLUE GREEN,PB,PL,CNTR * ~11MAG DET | |
| H65-2 | NGC 4429 | Vir Galaxy SA(r)0+ | B,L,CE,PSBM,*10NF |
| Apr 25 1981 | 12.5" 24mm | DIF,PB,PL,FNUC,DARM | |
| H65-8 | NGC 659 | Cas Open Cluster I 2 m | CL,LRI,ST B |
| Aug 13 1982 | 12.5" 24mm | MF,MS,SC,APPEARS TO BE BROKEN IN CNTER,CLOSE TO 663 | |
| H66-7 | NGC 7142 | Cep Open Cluster I 2 r | CL,CL,CRI,PC,*11..14 |
| Jul 09 1983 | 12.5" 24mm | MB,ML,LOOSE-SC,~40*S SAME MAG | |
| Aug 11 1982 | 12.5" 24mm | MF,VL 3OR 4 B*S WITH HUNDREDS OF F*S SC,PAIR/7129 | |
| H66-8 | NGC 1027 | Cas Open Cluster II 3 m n | CL,L,SC ST,ONE10M |
| Aug 13 1982 | 12.5" 24mm | VB,VL,B* IN CL,15*S | |
| H67-1 | NGC 3962 | Crt Galaxy E1 | CB,PL,IR,GMBM,TRI2* |
| Feb 12 1983 | 12.5" 16mm | MB,VS,BNUC,R,HISB,BM | |
| H67-7 | NGC 2421 | Pup Open Cluster I 2 r | CL,L,CRI,*11...13 |
| Oct 16 1982 | 12.5" 24mm | MF,ML,LOOSE AND SC,~30*S SAME MAG | |

Herschel 400 (I) Observations

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|--------------|-----------------|-------------------------|--|-----------------------------|
| H67-7 | NGC 2421 | Pup | Open Cluster I 2 r | CL,L,CRI,*11...13 |
| Oct 16 1982 | 12.5" 24mm | MF,ML,LOOSE AND SC, | ~30*S SAME MAG | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H67-8 | NGC 7160 | Cep | Open Cluster I 3 p | CL,P,VLC |
| Jul 09 1983 | 12.5" 24mm | MB,ML,COUPLE OF B*S | IN CL WITH FTR *S,~50*S,LOOSE | |
| Aug 11 1982 | 12.5" 24mm | VB,MS,2B*S | IN CNTR,20-30 *S,DOES NOT STAND OUT WELL IN FOV | |
| H68-1 | NGC 4856 | Vir | Galaxy SB(s)0/a | B,R,PSMBM,*13NP |
| Feb 12 1983 | 12.5" 16mm | MB,PS,BNUC,R,BM,VF* | ON N EDGE | |
| H68-4 | NGC 2950 | UMa | Galaxy (R)SB(r)0^ | B,PS,R,VGVMBMN |
| Apr 14 2004 | 31" 17mmT4 | MF,PS,R,BLNUC,SVRL F*S | ON EDGE OF HALO,HISB CNTR,GMBM,R=G | |
| Mar 15 1985 | 12.5" 12mm | SAME,PF,VS,BNUC,R,BM,NO | *S CLOSE IN | |
| Oct 16 1982 | 12.5" 12mm | MF,PS,BNUC,* | OFF NW SVRL GLXY DIA,GMBM,OVAL | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| H68-8 | NGC 2126 | Aur | Open Cluster III 2 m | CL,NOT RI,*7M NORTH |
| Aug 21 1982 | 12.5" 24mm | MF,PL,B* IN CL,TRI | SHAPE,~20-30*S,NICE IN 24MM | |
| H69-8 | NGC 7686 | And | Open Cluster III 2 p | CL,P,LC,*7...11 |
| Aug 31 1984 | 12.5" 24mm | SAME | | |
| Aug 11 1982 | 12.5" 24mm | MB,PL,B ORANGE * | IN CNTR,LOOSE,LTL CL EFFECT,~40*S | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H70-1 | NGC 5634 | Vir | Globular IV | GCL,VB,CL,R,GBM,RRR |
| Apr 11 2015 | 36" 17mmT4 | (Class III),PB,MS,SPEC | FOV,BFOREGR * CLOSE BY,SVRL B*S SUR NUC,MHISB MID,RSLV | |
| | | CORE,LTL OR NO HALO,R=E | | |
| Jun 11 1983 | 12.5" 20mm | VB,PL,BNUC,TRI OF B*S | SUR OBJECT,HISB,BM | |
| H71-2 | NGC 4660 | Vir | Galaxy E: | VB,S,VSVMBMN |
| Jun 04 1981 | 12.5" 24mm | PF,PS,DNUC,DIM HALO, | PAIR/M59 | |
| H71-8 | NGC 2281 | Aur | Open Cluster I 3 m | CL,PRI,VLC,ST PL |
| Oct 16 1982 | 12.5" 24mm | MB,VL,~30*S,STANDS | OUT WELL,HOUR GLASS SHAPE,LOOSE | |
| H72-8 | NGC 6633 | Oph | Open Cluster III 2 m | CL,LC,ST L |
| Jun 04 1981 | 12.5" 32mm | EB,EL | | |
| H73-1 | NGC 4150 | Com | Galaxy SA(r)0^? | B,S,R,PGMBM |
| Feb 27 1982 | 12.5" 16mm | MF,MS,BNUC,GMBM,R | | |
| H73-4 | NGC 6826 | Cyg | Planetary Neb 3a+2 | PLN,B,PL,R,*11M |
| Sep 02 2008 | 31" 17mmT4 | VB,VL,R,GREENISH | TECTURE B BALL,CNTR* 10TH MAG,OIII NOT MUCH HELP,R=E | |
| Jul 24 1981 | 12.5" 16mm | GREENISH,BLINKING | PLANTARY,CNTR* EASILY BLINKS WHEN LOOKING AT CNTR | |
| Jul 24 1981 | 12.5" 7mm | CNTR * NO LONGER | BLINKS | |
| Jun 20 1980 | 12.5" 9mm | B CNTR * EASILY | SEEN | |
| Jun 17 1980 | 12.5" 16mm | GREAT,GREENISH | BLUE COLOR,USE BARLOW AND 16MM | |
| H74-1 | NGC 4245 | Com | Galaxy SB(r)0/a: | CB,PL,VLE,SMBM,R |
| Feb 27 1982 | 12.5" 16mm | MB,ML,BNUC,R,SNUC | | |
| H75-1 | NGC 4274 | Com | Galaxy (R)SB(r)ab | VB,VL,E90,MBMN |
| Feb 12 1983 | 12.5" 24mm | MB,PL,EL,BNUC,TAPERED | ENDS,PAIR/4278/4283 | |
| Feb 27 1982 | 12.5" 16mm | MB,VL,EL,BNUC,F HALO, | SNUC,DIF HALO SUR NUC | |
| H75-2 | NGC 4762 | Vir | Galaxy SB(r)0^? sp | PB,VME31,3B*S,F OF 2 |
| Feb 12 1983 | 12.5" 16mm | MB,MS,3B*S OFF TO | A SIDE,APPEARS LIKE M104,PAIR/4754 | |
| H75-8 | NGC 7243 | Lac | Open Cluster II 2 m | CL,L,P,LC,ST VL |
| Sep 20 1984 | 12.5" 24mm | VB,VL,RICH * FIELD, | PPEARS TO BE 2 CL,S SIDE BY SIDE,~40*S | |
| Jul 15 1980 | 12.5" 24mm | CL WELL PLACED | | |

Herschel 400 (I) Observations

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|--------------|-----------------|--|-------------------------------|-----------------------------|
| H75-8 | NGC 7243 | Lac | Open Cluster II 2 m | CL,L,P,LC,ST VL |
| Jul 15 1980 | 12.5" 24mm | CL WELL PLACED | | |
| H76-1 | NGC 4314 | Com | Galaxy SB(rs)a | CB,L,E150,SBM,*NP |
| Feb 12 1983 | 12.5" 24mm | PB,ML,EDGE ON,BNUC,F*N TIP,BM,TAPERED | | |
| H76-4 | NGC 6946 | Cep | Galaxy SAB(rs)cd | VF,VL,VG,VSBM,RR |
| Sep 12 2012 | 36" 17mmT4 | PB,VL,BSNUC,SPR ARMS,KNOTS IN ARMS DET,H2 RGN DET,R=E | | |
| Jun 22 2003 | 12.5" 9mmT6 | VB,EL,R,NND,SHISB,AREAS OF PATCHES DET,SVRL *S IN GLXY,R=E | | |
| Jul 09 1983 | 12.5" 24mm | MF,VL,OVAL,3B*S TO ONE SIDE,SVRL F*S IN GLXY,SPR STR SUSP,PAIR/6939 | | |
| Aug 14 1982 | 12.5" 16mm | EDIF,MF,PL,PATCHY,OVAL,NND,*S IN GLXY,SEE CARD FOR DRAWING | | |
| Jun 06 1981 | 12.5" 16mm | DIF,VL,MB,SOME SPR STR DET,FACE ON,SEVEAL *S IN GLXY,RESEMBLES M33 | | |
| Aug 19 1980 | 12.5" 32mm | VF,COULD NOT FIND IN 24MM | | |
| H77-1 | NGC 4414 | Com | Galaxy SA(rs)c? | VB,L,E,G,VSBM* |
| Feb 12 1983 | 12.5" 16mm | VB,ML,BNUC,BM,DIF HALO,SLT ELNO *S ON EDGE LIKE PHOTO | | |
| H77-8 | NGC 7380 | Cep | Open Cluster III 2 m n | CL,PL,PRI,LC,*9...13 |
| Jul 09 1983 | 12.5" 24mm | MB,PL,SAME DEC AS 7261,L TRI SHAPE,LOOSE,SC,-50*S | | |
| Aug 11 1982 | 12.5" 24mm | MB,PL,50-70*;S,F GLOW BET *S,TRI SHAPE CL,GRT > 10 ARC MIN | | |
| H78-1 | NGC 2985 | UMa | Galaxy (R')SA(rs)ab | VB,CL,R,PSMBM,*INV F |
| Apr 14 2004 | 31" 17mmT4 | VB,PL,R,BLNUC,MHISB,HISB CNTR,R=E | | |
| Mar 15 1985 | 12.5" 12mm | PB,MS,BNUC,F*E SIDE,R,VMBM | | |
| Dec 03 1980 | 12.5" 24mm | F* IN ARM RGN | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| H78-8 | NGC 225 | Cas | Open Cluster III 1 p n | CL,L,LC,*9...10 |
| Nov 11 2020 | 36" 55mm | (II 1 p),EB,EL,BARELY FITS FOV,* SIM MAG,-20*S,(10:10pm),R=F | | |
| Sep 28 2013 | 36" 17mmT4 | PB,EL,-15*S,LOOSLY SC,SIM MAG,DOESNOT STAND OUT WELL,R=PF | | |
| Aug 13 1982 | 12.5" 24mm | MB,PL,18-21 *S,SPREADS OUT WELL,*S ~SAME MAG | | |
| H79-1 | NGC 3147 | Dra | Galaxy SA(rs)bc | VB,L,R,VGVSMBM |
| Apr 23 2003 | 12.5" 9mmT6 | VB,VL,OVAL,BNUC,MHISB,ARMS SUSP,B AREAS IN HALO,GMBM,R=E | | |
| Oct 22 1982 | 12.5" 16mm | MB,ML,BNUC,INSIDE 4*S,R,SBM,BSNUC | | |
| H79-4 | NGC 3034 | UMa M82 | Galaxy I0 sp | VB,VL,VME(RAY) |
| Jan 29 2014 | 36" 17mmT4 | M82,EB,EL,EDGE ON,HISB,PATCHES,NUC REG FRAGMENTED,DUST,DETAIL IN ARMS,SN IN ARM ~ 10,5MAG,R=EE | | |
| Mar 08 2013 | 36" 17mmT4 | MESSIER MARATHON 2013 | | |
| Feb 04 2005 | 31" 17mmT4 | EB,EL,EDGE ON,HISB,EDGE TO EDGE IN FOV,PATCHY,DUST,NUC BROKEN,BEST TO DATE,R=E | | |
| Apr 14 2004 | 31" 17mmT4 | EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BROKEN PARTS,R=E | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 15 1985 | 12.5" 12mm | SAME,IRR | | |
| Mar 02 1984 | 10" 20mm | VB,VL,EDGE ON,HISB,B* OFF ONE TIP,DARK PATCHES | | |
| Oct 22 1982 | 12.5" 12mm | VB,VL,EDGE ON,VHISB,2 DUST LANES DET,B RGN DET,TAPERED,KNTY | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 09 1980 | 12.5" 24mm | | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| H79-8 | NGC 129 | Cas | Open Cluster III 2 m | CL,VL,PR,LC,*9...13 |

Herschel 400 (I) Observations

| | | | | |
|--------------|-----------------|------------|---|-----------------------------|
| H79-8 | NGC 129 | Cas | Open Cluster III 2 m | CL,VL,PR,LC,*9...13 |
| Sep 28 2013 | 36" | 17mmT4 | VF,EL,~40"S,LOOSLY SC,LTL CL,FILLS FOV,R=F | |
| Aug 13 1982 | 12.5" | 24mm | MB,BL,SC,BLENDS WITH FIELD *'S | |
| H80-8 | NGC 1444 | Per | Open Cluster IV 1 p | CL OF AB30*12...14 |
| Nov 13 2020 | 36" | 17mmT4 | (IV 2 p),VB,ML,B** IN CNTR HAS HINT OF NEB,~10"S VAR MAG,WIDELY SC,(1:09am),R=F | |
| Oct 03 1981 | 12.5" | 24mm | MF,VS,SUR B DBL *,~10"S,SM | |
| Sep 03 1980 | 12.5" | 24mm | POOR | |
| H81-1 | NGC 3344 | LMi | Galaxy (R)SAB(r)bc | CB,L,GBM,*INV,2ST F |
| Dec 03 1980 | 12.5" | 24mm | BNUC,2F*'S ON EDGE | |
| H82-1 | NGC 3900 | Leo | Galaxy SA(r)0+ | B,PL,VLE0,BMN |
| Mar 03 1984 | 12.5" | 12mm | MB,PL,EL,BNUC,SBM,BET 2B*'S | |
| Feb 12 1983 | 12.5" | 16mm | MF,ML,DNUC,OVAL,BM,TRI OF *'S SUR GLXY | |
| Jan 30 1981 | 12.5" | 24mm | PF,PL,EL,FNUC,F HALO | |
| H83-1 | NGC 4494 | Com | Galaxy E1-2 | VB,PL,R,VSMBMN |
| Mar 17 2018 | 36" | 17mmT4 | VB,VL,OVAL,S BNUC,HISB,F* OUTER EDGE,GRAN HISB OVAL ARMS SUR NUC,MBM,R=E | |
| Feb 12 1983 | 12.5" | 16mm | VB,VL,BNUC,R,BM | |
| H84-1 | NGC 4725 | Com | Galaxy SAB(r)ab pec | VB,VL,E,VG,VSVMBMEBN |
| Mar 17 2018 | 36" | 17mmT4 | MB,VL,R,L BNUC,MBM,HISB CNTR,7F*'S IN GLXY,ARMS,KNOTS,PATCHES,BAR SUSP,R=GE | |
| Feb 12 1983 | 12.5" | 24mm | VB,EL,BNUC,BLNUC,OVAL,SLT ,EL | |
| H85-8 | NGC 1545 | Per | Open Cluster IV 2 p | CL,PRI,LC,ST L |
| Oct 03 1981 | 12.5" | 24mm | MB,ML,TRI OF B*'S IN CNTR,~20*'S,SPREAD OUT THIN | |
| Sep 03 1980 | 12.5" | 24mm | | |
| H86-1 | NGC 3245 | LMi | Galaxy SA(r)0^:? | VB,PL,E0, SMBMEN |
| Feb 21 2020 | 36" | 17mmT4 | PB,ML,EL,BSNUC,HISB,GRAN HALO,R=G,TIME 11:52PM | |
| Jan 24 2004 | 31" | 17mmT4 | VB,VL,OVAL,BLNUC,MHISB,GMBM,PAIR=3245A,R=E | |
| Feb 25 1982 | 12.5" | 16mm | MB,MS,BNUC,TAPERED,NUC DET,HISB TOWARDS CNTR | |
| Dec 03 1980 | 12.5" | 24mm | | |
| H86-2 | NGC 4350 | Com | Galaxy SA0 sp | CB,VS,ME,VSBM |
| Feb 12 1983 | 12.5" | 24mm | MB,PS,BNUC,SBM,OVAL,CLOSE PAIR/4340 | |
| Mar 27 1981 | 12.5" | 24mm | | |
| H87-1 | NGC 3486 | LMi | Galaxy SAB(r)c | CB,CL,R,GMBM |
| Feb 21 2020 | 36" | 17mmT4 | MF,ML,OVAL,FSNUC,R=FG,TIME 12:28AM | |
| Oct 22 1982 | 12.5" | 24mm | MF,MS,VDIF,PATCH,SBM | |
| Dec 03 1980 | 12.5" | 24mm | | |
| H88-1 | NGC 3504 | LMi | Galaxy (R)SAB(s)ab | B,L,E,MBMN,RR,P OF 2 |
| Feb 21 2020 | 36" | 17mmT4 | MB,ML,OVAL,BSNUC,L GRAN ARMS,F* IN ARMS,R=G,TIME 12:31AM | |
| Oct 22 1982 | 12.5" | 16mm | MB,MS,DNUC,LOC IN BARREN AREA,OVAL,SBM | |
| Dec 03 1980 | 12.5" | 24mm | | |
| H88-8 | NGC 1342 | Per | Open Cluster III 2 m | CL,VL,AB60* |
| Nov 13 2020 | 36" | 55mm | (III 2 m),VB,VL,NICE FOV,STANDS OUT AGAINST FOV *'S,EASILY DET,~50*'S,SIM MAG,FEW B*'S,(12:42am),R=FG | |
| Oct 03 1981 | 12.5" | 24mm | VB,VL,~20*'S,DISPURSED | |
| Sep 03 1980 | 12.5" | 24mm | NOT SO GOOD,DOES NOT LIVE UP TO ASTRO CARD DESCRIPTION | |
| H89-1 | NGC 4251 | Com | Galaxy SB0? sp | VB,S,E,VSVMBMN,*F90S |
| Feb 21 2020 | 36" | 17mmT4 | PB,ML,EL,BLNUC,GRAN HALO,GMBM,HISB NUC,R=G,TIME 1:50AM | |
| Feb 27 1982 | 12.5" | 16mm | EL,BNUC,GMBM | |
| H90-1 | NGC 4278 | Com | Galaxy E1-2 | VB,PL,R,MBM,R,1STOF3 |
| Mar 07 2021 | 36" | 17mmT4 | VB,PL,R,BLNUC,HISB,V GRAN,GLOB CL LIKE,PAIRS=N4283/N4286,R=E | |

Herschel 400 (I) Observations

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|---------------|-----------------|------------|---|-----------------------------|
| H90-1 | NGC 4278 | Com | Galaxy E1-2 | VB,PL,R,MBM,R,1STOF3 |
| Mar 07 2021 | 36" | 17mmT4 | VB,PL,R,BLNUC,HISB,V GRAN,GLOB CL LIKE,PAIRS=N4283/N4286,R=E | |
| Feb 21 2020 | 36" | 17mmT4 | VB,VL,OVAL,BLNUC,HISB,PAIR=N4283,R=G,TIME 1:58AM | |
| Feb 12 1983 | 12.5" | 16mm | MB,ML,BNUC,R,VMBM,COMP TO E = 4283 | |
| H91-1 | NGC 4448 | Com | Galaxy SB(r)ab | B,L,E90,SBM |
| Feb 21 2020 | 36" | 17mmT4 | VB,VL,EL-OVAL,LNUC,MHISB,R=G,TIME 2:10AM | |
| Feb 12 1983 | 12.5" | 16mm | MF,MS,FNUC,SLT ELMHISB,SBM | |
| H92-1 | NGC 4559 | Com | Galaxy SAB(rs)cd | VB,VL,ME150,GBM,3*F |
| Feb 21 2020 | 36" | 17mmT4 | VB,VL,EL-OVAL,?NUC,PATCHY,BROKEN PARTS,GRAN,R=GE,TIME 2:19AM | |
| Mar 17 2018 | 36" | 17mmT4 | VB,VL,OVAL,PATCH,NND,BROKEN PATCHES,MHISB IN ARMS,3*S TRIANGLE OUTER EDGE,R=E | |
| Feb 12 1983 | 12.5" | 24mm | VB,VL,3F*S IN S EDGE,SLT EL,HISB,NND | |
| H94-1 | NGC 3813 | UMa | Galaxy SA(rs)b: | CB,PL,PME90,BM |
| Mar 15 1985 | 12.5" | 16mm | PF,PS,EL-EDGE ON,E-W,F*S AT BOTH TIPS,UB,NND,TAPERED ENDS | |
| Feb 12 1983 | 12.5" | 16mm | MF,PS,EL,F*E TIP,UB,NND,VF*W TIP SUSP | |
| H95-1 | NGC 4214 | CVn | Galaxy IAB(s)m | CB,CL,IE,BIN |
| Jan 26 1982 | 12.5" | 16mm | PB,PL,EL2F*S OFF TO NE,1*(14MAG)N 1 GLXY DIA,VHISB ALONG EQ,OVAL | |
| Jul 05 1980 | 12.5" | 24mm | | |
| H96-1 | NGC 5005 | CVn | Galaxy SAB(rs)bc | VB,VL,VME66,VSBMN |
| Jan 28 1982 | 12.5" | 16mm | MB,ML,BNUC,SLENDER SHAPE,DIF HALO | |
| H97-1 | NGC 5033 | CVn | Galaxy SA(s)c | VB,PL,E167,SMBMVBN |
| Jan 28 1982 | 12.5" | 16mm | PF,PS,BNUC,F* IN NW TIP,MUCH BM | |
| H98-1 | NGC 5273 | CVn | Galaxy SA(s)0^ | CB,PL,R,G,PSMBM |
| Jan 28 1982 | 12.5" | 16mm | DIF,MF,MS,R,FSNUC,DIF HALO,PAIR/5276 | |
| H99-1 | NGC 5557 | Boo | Galaxy E1 | CB,S,R,VSBM* |
| Mar 29 2006 | 31" | 17mmT4 | VB,PL,R,BLNUC,HISB,GMBM,VF* IN GLXY OUTSIDE NUC,SN? 15 MAG,R=E | |
| May 06 1981 | 12.5" | 24mm | MB,ML,BNUC WITH DIM HALO | |
| H99-2 | NGC 3377 | Leo | Galaxy E5-6 | VB,CL,LE,SVMBMBN |
| Feb 25 1984 | 12.5" | 12mm | MB,PS,PATCHY,UB IN CNTR,R | |
| Jan 30 1981 | 12.5" | 24mm | PB,PL,BNUC,PAIR/3367 | |
| H100-1 | NGC 584 | Cet | Galaxy E4 | VB,PL,R,MBM,P OF 2 |
| Sep 19 2020 | 36" | 17mmT4 | EB,VL,VBLNUC,HISB,V* CLOSE TO NUC,VMBM,PAIR=586,R=G | |
| Sep 27 1981 | 12.5" | 16mm | MB,PS,BNUC,VMBM,R | |
| Sep 10 1980 | 12.5" | 24mm | | |
| Sep 07 1980 | 12.5" | 24mm | PAIR/596,GREAT!! | |
| H101-1 | NGC 779 | Cet | Galaxy SAB(r)b | CB,L,ME162,MBM |
| Sep 27 1981 | 12.5" | 16mm | MB,ML,EDGE ON,FNUC,CNTR BULGE,DUST PATCHES,KNTY STR SUSP,GBM | |
| Sep 18 1980 | 12.5" | 24mm | | |
| Sep 07 1980 | 12.5" | 24mm | ,EL | |
| H101-2 | NGC 3489 | Leo | Galaxy SAB(rs)0+ | VB,PL,LE80,SMBMN |
| Feb 25 1984 | 12.5" | 12mm | MB,PS,BNUC,F* OFF ON EDGE,BM | |
| Jan 30 1981 | 12.5" | 24mm | VB,PL,BNUC,PAIR/3485 | |
| H102-1 | NGC 1022 | Cet | Galaxy (R')SB(s)a | CB,PL,R,MBM,*11NF 2' |
| Sep 27 1981 | 12.5" | 16mm | MB,ML,NUC SUSP,FARMS,F*W 1 GLXY DIA,BAR SUSP,F CIRCULAR ARMS SUSP,SNS | |
| Sep 07 1980 | 12.5" | 24mm | FAIR AND FT | |
| H103-1 | NGC 6934 | Del | Globular VIII | GCL,B,L,R,RRR,*16... |
| Jul 01 2019 | 36" | 17mmT4 | (Class VI),PB,PL,BNUC,OUTER & CORE *S RSLV,MORE F*S DET LONGER VIEWED,R=E | |
| Aug 20 2003 | 31" | 25mm | VB,VL,RSLV TO CORE,HUNDRED'S OF *S,MANY *S DET IN CORE,R=E | |

Herschel 400 (I) Observations

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|---------------|-----------------|---|---------------------------|-----------------------------|
| H103-1 | NGC 6934 | Del | Globular VIII | GCL,B,L,R,RRR,*16... |
| Aug 20 2003 | 31" 25mm | VB,VL,RSLV TO CORE,HUNDRED'S OF *'S,MANY *'S DET IN CORE,R=E | | |
| Jul 31 2002 | 12.5" 12mm | SAME | | |
| Jul 08 1983 | 12.5" 12mm | MB,MS,BNUC,B* TO W,RSLV OUTER *'S,GBM | | |
| Jul 30 1981 | 12.5" 16mm | DNUC,GMBM,SOFT HALO OF *'S RSLV,R | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| Jun 17 1980 | 12.5" 24mm | | | |
| H104-1 | NGC 7606 | Aqr | Galaxy SA(s)b | PF,CL,PME0 |
| Jul 10 1981 | 12.5" 16mm | BPART N SIDE,HALO VIS,RESEMBLES M104,MB,ML,EDGE ON,FARMS | | |
| Sep 09 1980 | 12.5" 32mm | B,LG | | |
| H105-1 | NGC 720 | Cet | Galaxy E5 | CB,PL,LE,PSMBM |
| Sep 27 1981 | 12.5" 16mm | MB,MS,BNUC,GBM | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | | | |
| H107-1 | NGC 1407 | Eri | Galaxy E0 | VB,L,R,SVMBMN |
| Nov 11 2020 | 36" 17mmT4 | VB,VL,R,VBLNUC,HISB,MHISB,HALO,R=G | | |
| Oct 24 1981 | 12.5" 12mm | MB,ML,B NUC,R,PAIR/1400 | | |
| Oct 31 1980 | 12.5" 24mm | PAIR/1400 | | |
| Sep 09 1980 | 12.5" 24mm | | | |
| H110-1 | NGC 7723 | Aqr | Galaxy SB(r)b | CB,CL,E,GMBM,R |
| Jul 10 1981 | 12.5" 16mm | DIF,MBM,FNUC,MB,ML,FARMS | | |
| Sep 09 1980 | 12.5" 24mm | | | |
| H111-1 | NGC 7727 | Aqr | Galaxy SAB(s)a pec | PB,PL,IR,MBM |
| Oct 07 2010 | 31" 17mmT4 | PB,PL,OVAL,BLNUC,GRAN NUC,HISB CNTR,GBM,R=G | | |
| Jul 10 1981 | 12.5" 16mm | MB,ML,VMBM,DIF HALO SUR GLXY | | |
| Sep 09 1980 | 12.5" 24mm | BNUC,SPR ARM STR DET | | |
| H112-1 | NGC 772 | Ari | Galaxy SA(s)b | B,CL,R,GBM,R |
| Oct 23 1982 | 12.5" 16mm | SAME | | |
| Sep 24 1981 | 12.5" 16mm | PB,PL,SBM,EL,* E SIDE,F 15TH MAG COMP W/770 1 GLXY DIA,BNUC,FARMS | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | NICE!!,VL,PF,SIM TO M33 | | |
| H113-2 | NGC 4419 | Com | Galaxy SB(s)a sp | B,PME135,SBM |
| Feb 12 1983 | 12.5" 16mm | MB,PS,EDGE ON,FNUC,SBM,TAPERED | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H114-1 | NGC 2964 | Leo | Galaxy SAB(r)bc: | B,VL,LE,VGBM,SP OF 3 |
| Jan 29 2014 | 36" 17mmT4 | VB,VL,OVAL,BNUC,HISB,DUST,ARMS DET,PATCHY AREAS,R=E | | |
| Feb 25 1984 | 12.5" 12mm | DIF,MF,MS,PATCHY,OVAL,SBM,NO *'S,PAIR/2968 | | |
| Jan 30 1981 | 12.5" 24mm | DIF,VF,VS,FNUC AND HALO | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H114-2 | NGC 4473 | Com | Galaxy E5 | PB |
| Mar 16 2010 | 31" 17mmT4 | VB,VL,OVAL,BLNUC,HISB CNTR,GRAN HALO,GMBM,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MF,PS,DNUC,R,BM,PAIR/4477 | | |
| May 01 1981 | 12.5" 24mm | PB,PL,BNUC,FARMS,PAIR/4461 | | |

Herschel 400 (I) Observations

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|---------------|-----------------|---|------------------------------|-----------------------------|
| H114-2 | NGC 4473 | Com | Galaxy E5 | PB |
| May 01 1981 | 12.5" 24mm | PB,PL,BNUC,FARMS,PAIR/4461 | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | | | |
| H115-2 | NGC 4477 | Com | Galaxy SB(s)0:? | PB,CL |
| Mar 16 2010 | 31" 17mmT4 | VB,VL,EL,BLNUC,GRAD MBM,HISB CNTR,PAIR=4479,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MF,PS,BNUC,R,BM,CLOSE COMP 4479,PAIR/4473 | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | | | |
| H116-1 | NGC 3395 | LMi | Galaxy SAB(rs)cd pec: | CB,PS,ILE,1ST OF 2 |
| Feb 15 2004 | 31" 17mmT4 | VB,VL,OVAL,BLNUC,HISB,GMBM,INTRACT 3396,R=E | | |
| Jan 08 2003 | 12.5" 9mmT6 | MB,PL,BNUC,OVAL,BSNUC,HISB,COMP=3396 | | |
| Oct 22 1982 | 12.5" 24mm | DIF,VF,MS,EL2 PARTS OR INTRACT GLXY,N PART *NUC OR * | | |
| Dec 03 1980 | 12.5" 24mm | PAIR/3396 | | |
| H120-2 | NGC 4548 | Com M91 | Galaxy SB(rs)b | B,L,LE,LBM |
| Mar 17 2018 | 36" 17mmT4 | VB,EL,EL,BNUC,MHISB,L SOF NUC,BGM,F HALO SUR NUC,ARMS NOT DET,R=GE | | |
| Apr 11 2015 | 36" 17mmT4 | PB,PL,S SOF GRAD BM,F HALO,BTR PATCH-BAR DET,R=G | | |
| May 09 2010 | 31" 17mmT4 | EB,EL,BSNUC,B BAR ACROSS NUC,SUDLY MBM,HISB CNTR,F HALO ARMS,VF OUTER LOOP ONE SIDE,R=E | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Feb 12 1983 | 12.5" 24mm | MB,PL,BNUC,R,LNUC,DIF HALO | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Jun 10 1980 | 6" 24mm | | | |
| H121-1 | NGC 4030 | Vir | Galaxy SA(s)bc | CB,L,VLE,PSMBM,BSTNR |
| Apr 25 1981 | 12.5" 24mm | VB,VL,BNUC,B HALO | | |
| H124-2 | NGC 4478 | Vir | Galaxy E2 | PB,S,R,PSBM,2ND OF 3 |
| May 01 1981 | 12.5" 24mm | PF,PS,EL,FNUC,FARMS,PAIR/4476/M87 | | |
| H126-1 | NGC 5746 | Vir | Galaxy SAB(rs)b? sp | B,L,VME170,BMBN |
| Mar 09 2021 | 36" 17mmT4 | VB,EL,EDGE ON,LNUC,SHISB,VF*IN TIP,MHISB CNTR,GMBM,L CNTR BULGE,TAPERED ENDS,R=GE | | |
| Jun 11 1983 | 12.5" 20mm | MB,PL,EDGE ON,DUST LANE SUSP,BNUC BULGE,TAPERED ENDS,MINATURE 4565 | | |
| H126-2 | NGC 4654 | Vir | Galaxy SAB(rs)cd | F,VL,PME,(D),3*NR |
| Mar 27 1982 | 12.5" 12mm | DIF,MB,PL,2F*S TO N,B* TO W,*NUC,OVAL,UB,MHISB | | |
| H128-1 | NGC 5846 | Vir | Galaxy E0-1 | VB,PL,R,PSBMN,F*INVS |
| Mar 16 2010 | 31" 17mmT4 | VB,VL,BLNUC,GRAD BM,GRAN HALO,F* OFF SIDE,V CLOSE COMP=5846A,R=G | | |
| Mar 19 2004 | 12.5" 12mmT4 | MB,ML,EL,NND,SHISB,R=G | | |
| Mar 19 2004 | 12.5" 12mmT4 | MB,ML,OVAL,BLNUC,SHISB,CLOSE COMP=5846A,R=G | | |
| Jun 11 1983 | 12.5" 20mm | MB,PL,FNUC,F*W 1 GLXY DIA,COMP TO E,R,SBM,SVRL FIELD *S | | |
| H128-2 | NGC 4689 | Com | Galaxy SA(rs)bc | PB,VL,E,VGLBM,R |
| Mar 27 1982 | 12.5" 12mm | EDIF,MF,PL,R,2F*S N,NND,UB,SOME STR SUSP | | |
| H129-1 | NGC 4699 | Vir | Galaxy SAB(rs)b | VB,R,VMBMRN,R |
| Mar 27 1982 | 12.5" 12mm | MB,MS,BNUC,R,SBM,F*S SVRL GLXY DIA | | |
| H130-1 | NGC 4958 | Vir | Galaxy SB(r)0? sp | VB,PS,E,BMBN |
| Feb 12 1983 | 12.5" 16mm | MF,PS,BNUC,F* OFF TO W,TAPERED,SBM | | |
| H134-1 | NGC 4781 | Vir | Galaxy SB(rs)d | CB,VL,ME |
| Apr 02 2021 | 36" 17mmT4 | PB,VL,PATCH,SHISB,B PATCHY AREAS,BROKEN PARTS,* IN EDGE,PAIR=N4784,R=E | | |
| Feb 12 1983 | 12.5" 24mm | DIF,MF,ML,3 OR 4 F*S GOING OFF TO THE W,NND,UB,OVAL | | |

Herschel 400 (I) Observations

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|---------------|-----------------|--|--------------------------|-----------------------------|
| H134-1 | NGC 4781 | Vir | Galaxy SB(rs)d | CB,VL,ME |
| Feb 12 1983 | 12.5" 24mm | DIF,MF,ML,3 OR 4 F*S GOING OFF TO THE W,NND,UB,OVAL | | |
| H137-1 | NGC 2859 | LMi | Galaxy (R)SB(r)0+ | VB,PL,R,SMBM |
| Feb 25 1984 | 12.5" 16mm | MB,ML,BNUC,DIM HALO,STELL BNUC,R,GMBM,F*NE SVRL GLXY DIA | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H139-1 | NGC 4303 | Vir M61 | Galaxy SAB(rs)bc | VB,VL,VSBM*,BIN |
| Apr 11 2015 | 36" 17mmT4 | PB,VL,FACE ON,VBSNUC HISB WELL DEFINED,B BAR WITH ARMS AT ENDS,* OFF ONE ARM,B PATCHES IN ARMS,OUTSTANDING,R=E | | |
| Mar 08 2010 | 31" 17mmT4 | PB,PL,BNUC,MHISB CNTR,FACE ON,F* IN OUTER ARM,SPR STR DET,DUST,PATCHY AREAS IN ARMS,F BAR DET,R=EE | | |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Feb 12 1983 | 12.5" 24mm | PB,VL,*NUC,ARMS DET,FACE ON,KNTS DET | | |
| Apr 25 1981 | 12.5" 24mm | DIF,VB,VL,DNUC,FARM | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Jun 10 1980 | 6" 24mm | | | |
| H139-2 | NGC 4261 | Vir | Galaxy E2-3 | PB,PS,R,GBM |
| Mar 08 2010 | 31" 17mmT4 | PB,ML,OVAL,BLNUC,GRAN HALO,HISB CNTR,PAIRS=NGC/PGC'S,R=G | | |
| Apr 26 2003 | 12.5" 9mmT6 | VB,PL,R,BNUC,HISB CNTR,VMBM,BLNUC,PAIR/4264/4257,R=E | | |
| Apr 25 1981 | 12.5" 24mm | DIF,PF,PS,FNUC,DIM HALO,PAIR/4260 | | |
| H142-1 | NGC 4665 | Vir | Galaxy SB(s)0/a | B,PL,IR,MBM,*10SP |
| Mar 05 2021 | 36" 17mmT4 | VB,EL-OVAL,BLNUC,MHISB,B BAR IN NUC,GRAN AREAS,VMBM,HISB CNTR,* IN ARM,R=E | | |
| H143-1 | NGC 4900 | Vir | Galaxy SB(rs)c | CB,CE,*10ATT POS135 |
| Feb 12 1983 | 12.5" 16mm | MB,ML,F* IN E EDGE,MHISB,UB,OVAL | | |
| H144-1 | NGC 5566 | Vir | Galaxy SB(r)ab | B,PL,R,PSBM,R,*F1.5' |
| Apr 26 2003 | 12.5" 9mmT6 | VB,PL,R,BNUC,VHISB,ARMS DET,LNUC,VMBM,PAIR/5560/5569,R=E | | |
| Jun 11 1983 | 12.5" 20mm | MB,PL,EL,BNUC,B*SW 1 GLXY DIS,BLNUC,HISB TOWARDS MID,PAIR/5576 | | |
| H146-1 | NGC 5576 | Vir | Galaxy E3 | B,S,R,VSBM,F OF 2 |
| Feb 22 2020 | 36" 17mmT4 | VB,PL,R,BLNUC,VMBM,HISB,HISB CNTR,PAIR=N5574,R=E | | |
| Jun 11 1983 | 12.5" 20mm | PB,ML,BNUC,CLOSE COMP TO W 1 GLXY DIA,F*N 1 GLXY DIA,R-OVAL,SBM,PAIR/5566 | | |
| H147-1 | NGC 6304 | Oph | Globular XI | GCL,B,CL,R,LBM,RRR |
| Jun 28 2019 | 36" 17mmT4 | (Class XI),MF,MS,UB,PATCH OF *S,NO BM,R=G | | |
| Jun 04 1981 | 12.5" 24mm | DIF,MF,PS | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| H149-1 | NGC 6342 | Oph | Globular IV | CB,PS,LE,ER |
| Jun 28 2019 | 36" 17mmT4 | (Class VII),MF,PS,MHISB,FEW *S RSLV,SOFT MHISB CORE,S PATCH JUST OF NUC,R=FG | | |
| Jul 21 1984 | 12.5" 12mm | VF,VS,VF* ON S EDGE,PATCH-UB,NO I'S RSLV | | |
| Jun 04 1981 | 12.5" 24mm | DIF,PF,PS | | |
| Jun 18 1980 | 12.5" 24mm | VS,LOOKS LIKE NEB | | |
| Jun 10 1980 | 6" 24mm | VF,HARD TO SEE | | |
| H150-1 | NGC 6440 | Sgr | Globular V | PB,PL,R,BM |
| Jul 01 2019 | 36" 17mmT4 | (Class V),PB,PL,F OUTER *S RSLV,UB LNUC W/*S RSLV,R=G | | |
| Sep 20 1984 | 12.5" 12mm | DIF,MF,PS,BET A LINE OF *S,6440 TO N 1/2 DEGREE,R,BM | | |
| Aug 13 1982 | 12.5" 16mm | MF,VS,F*N,R,SBM,VF*W,PAIR/6445 | | |
| H151-1 | NGC 524 | Psc | Galaxy SA(rs)0+ | VB,PL,MBM,4S*NR |
| Sep 24 1981 | 12.5" 16mm | MB,PS,BNUC,F(13TH)*NW EDGE,F*N&S (4*S IN ALL),HISB IN NUC,VR,DIM DIF HALO | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | | | |
| H153-1 | NGC 908 | Cet | Galaxy SA(s)c | CB,VL,E |

Herschel 400 (I) Observations

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|---------------|-----------------|---|------------------------------|-----------------------------|
| H153-1 | NGC 908 | Cet | Galaxy SA(s)c | CB,VL,E |
| Sep 27 1981 | 12.5" 16mm | DIF,HISB,PB,PL,EF* COMES AND GOES W ARM,NND,OVAL,BTR IN 24MM,KNTS & DUST SUSP | | |
| Sep 09 1980 | 12.5" 16mm | SIZE EASILY DET | | |
| H156-1 | NGC 1023 | Per | Galaxy SB(rs)0- | VB,VL,VME,VVMBM |
| Feb 04 2005 | 31" 17mmT4 | VF,EL,EL,BLNUC,FARMS,GMBM,SVRL *S IN GLXY,COMP=1023A,R=E | | |
| Aug 17 1982 | 12.5" 16mm | EDGE ON,MF,ML,LINE OF 3 *S OFF TO E,VMBM,DIF ARMS | | |
| Oct 03 1981 | 12.5" 12mm | MB,ML,EL,F* OR PART OF GLXY W SIDE,LOOKS LIKE SB GLXY,VMBM,BNUC DET | | |
| Sep 07 1980 | 12.5" 24mm | | | |
| Sep 03 1980 | 12.5" 24mm | | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| Aug 19 1980 | 12.5" 24mm | | | |
| Jul 24 1980 | 12.5" 24mm | BNUC,GREAT!!! | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | GOOD LOOKING GLXY | | |
| H156-2 | NGC 4442 | Vir | Galaxy SB(s)0^ | VB,PL,R,SMBM |
| May 01 1981 | 12.5" 24mm | PB,PS,BNUC,FARM | | |
| H159-1 | NGC 278 | Cas | Galaxy SAB(rs)b | CB,PL,R,2*10NR |
| Sep 28 2013 | 36" 17mmT4 | VB,VL,R,BNUC,SBM,MHISB,SOME GRAN SUR NUC,NICE FOV,R=GE | | |
| Jul 31 1981 | 12.5" 12mm | GMBM,DIF HALO SEEN,SMWHT OVAL,HISB | | |
| Sep 18 1980 | 12.5" 20mm | GREAT | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| Aug 19 1980 | 12.5" 24mm | | | |
| Jul 24 1980 | 12.5" 24mm | | | |
| Jul 17 1980 | 12.5" 24mm | | | |
| Jul 15 1980 | 12.5" 24mm | GREAT!!! | | |
| Jun 18 1980 | 12.5" 24mm | | | |
| H160-1 | NGC 4546 | Vir | Galaxy SB(s)0-: | VB,CL,PME78,VSMBMN |
| Feb 12 1983 | 12.5" 16mm | MB,PS,BNUC,F*E SVRL GLXY DIA,TAPERED ENDS | | |
| H161-1 | NGC 4459 | Com | Galaxy SA(r)0+ | PB,PL,IR,BM,R,*8SF2' |
| Mar 07 2021 | 36" 17mmT4 | VB,VL,OVAL-R,BVLNUC,HISB,VMBM,GRAN,R=GE | | |
| May 09 2010 | 31" 17mmT4 | EB,VL,R,BLNUC,GRAN HALO,SUDLY MBM,HISB,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MB,PS,BNUC,SBM,*NUC,CLOSE TO B* | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Jun 10 1980 | 6" 24mm | | | |
| H162-1 | NGC 4866 | Vir | Galaxy SA(r)0+: sp | B,PL,ME90,SBMN,S*INV |
| Feb 12 1983 | 12.5" 16mm | DIF,MF,PS,EDGE ON,FS*NUC,F* IN W TIP,SLT TAPERED | | |
| H163-1 | NGC 3115 | Sex | Galaxy S0- sp | VB,L,VME46,VGSMBMEN |
| Mar 27 1982 | 12.5" 16mm | MB,ML,EDGE ON,BNUC,F HALO,F*S BORDER,F* FARTHER SW,CNTR BULGE | | |
| H164-1 | NGC 3294 | LMi | Galaxy SA(s)c | CB,L,ME135,GLBM |
| Feb 15 2004 | 31" 17mmT4 | VB,EL-OVAL,PATCH,UB,NND,PATCHY AREAS DET,KNOTS AND DUST DET,R=E | | |
| Jan 24 2004 | 31" 17mmT4 | VB,VL,EL-EDGE ON,PATCH,UB,NND,R=G | | |
| Oct 22 1982 | 12.5" 16mm | DIF,MF,ML,EL,UB,SLT EL,NND | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H165-1 | NGC 4151 | CVn | Galaxy (R')SAB(rs)ab: | VB,S,R,VSMBMBN,P OF2 |
| Feb 25 2004 | 31" 17mmT4 | VB,VL,OVAL,VBSNUC,2*S IN ARMS,HISB CNTR,GMBM,L AREA OF ARMS,R=E | | |
| Jan 26 1982 | 12.5" 16mm | DIF,MB,PS,BNUC,*NW SIDE,VMBM,R HALO SUR NUC | | |
| H167-1 | NGC 2782 | Lyn | Galaxy SAB(rs)a pec | CB,R,MBMBN |
| Oct 16 1982 | 12.5" 24mm | DIF,MF,MS,DNUC,2F*S OFF TO S,SBM,*NUC,16MM-SAME | | |

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|---------------|-----------------|----------------|---|-----------------------------|
| H167-1 | NGC 2782 | Lyn | Galaxy SAB(rs)a pec | CB,R,MBMBN |
| Oct 16 1982 | 12.5" 24mm | | DIF,MF,MS,DNUC,2F*S OFF TO S,SBM,*NUC,16MM-SAME | |
| H168-1 | NGC 3184 | UMa | Galaxy SAB(rs)cd | PB,VL,R,VGBM |
| Mar 15 1985 | 12.5" 16mm | | SAME | |
| Oct 22 1982 | 12.5" 16mm | | DIF,MF,ML,R,PATCHY,B* IN N PART,UB,KNTY STR SUSP,NND | |
| H172-1 | NGC 3432 | LMi | Galaxy SB(s)m sp | PB,PL,VME40,**NR SP |
| Apr 09 2008 | 31" 17mmT4 | | VB,VL,EDGE ON,UB,NND,HISB,2F*S A TIP,2F*S BOTH SIDES,SLT BOWED,OTHERS,R=E | |
| Oct 22 1982 | 12.5" 12mm | | SAME,2*S AT S TIP | |
| Oct 22 1982 | 12.5" 16mm | | DIF,MF,MS,EL,UB,2*S AT BOTH ENDS | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H173-1 | NGC 3941 | UMa | Galaxy SB(s)0^A | VB,PL,R,SMBM*9 |
| Mar 15 1985 | 12.5" 12mm | | PB,ML,BNUC,R,BM,HISB | |
| Feb 12 1983 | 12.5" 16mm | | PB,MS,EL,VBNUC,LOOKS LIKE AN E6 GLXY | |
| H175-1 | NGC 4203 | Com | Galaxy SAB0-: | VB,S,R,PSMBM |
| Feb 27 1982 | 12.5" 16mm | | MB,PS,BNUC,R,GBM | |
| H176-1 | NGC 4656 | CVn | Galaxy SB(s)m pec | PB,L,VME34,SP OF 2 |
| Mar 09 2021 | 36" 17mmT4 | | VB,EL,EDGE ON,BLNUC,MHISB,INTRACT=N4657,HOOK AT END ONE SIDE,SLT CNTR BULGE,* IN NUC,ONE SIDE BTR THAN SIDE,ONE SIDE VF,R=EE | |
| Jan 28 1982 | 12.5" 16mm | | MF,PL,EDGE ON,*S SUR N TIP,S ARM SLT BULKIER AND BIGGER,MHISB | |
| H178-1 | NGC 4618 | CVn | Galaxy SB(rs)m | B,L,E,MBM,CVDBRANCHN |
| Feb 17 2004 | 31" 17mmT4 | | PB,VL,SHISB,IRR,2 HALVES,APP AS 2 GLXY SIDE BY SIDE,ONE HALF BTR,PAIR=4625,R=E | |
| Jan 28 1982 | 12.5" 16mm | | MF,PL,OVAL-R,COMP TO N (4625),SBM,B* TO S,APPEARS TO BE 2 GLXY OR DARK LANE | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H186-1 | NGC 5195 | CVn | Galaxy I0 pec | B,PS,LE,VGBM,INV-M51 |
| Apr 19 2014 | 36" 17mmT4 | | EB,EL,BLNUC,HISB,HALF ARMS APPEAR BTR THAN OTHER HALF,INTRACT=5194,R=E | |
| Apr 19 2014 | 36" 31mmT5 | | JUST ABSOLUTELY STUNNING | |
| Mar 16 2010 | 31" 17mmT4 | | VB,VL,OVAL,VBSNUC,HISB CNTR,SUDLY MBM,COMP=M51,SPR ARMS,BRIDGE CONNECTS TO M51,F BAR ACROSS NUC,R=E | |
| Jan 28 1982 | 12.5" 24mm | | MB,ML,BNUC,OVAL,BM,INTRACT WITH M51 | |
| Apr 16 1980 | 6" 24mm | | | |
| H188-1 | NGC 5689 | Boo | Galaxy SB(s)0/a: | CB,PL,E87,PSMBM |
| May 06 1981 | 12.5" 24mm | | PB,VS,BNUC | |
| H189-1 | NGC 5676 | Boo | Galaxy SA(rs)bc | B,L,E45,PGBM,R |
| May 06 1981 | 12.5" 24mm | | VB,VL,BNUC,B HALO | |
| Jul 14 1980 | 12.5" 24mm | | GET B* OUT OF FOV TO SEE | |
| H192-1 | NGC 7008 | Cyg | Planetary Neb 3 | CB,L,E45,R,**ATT |
| Aug 15 2009 | 31" 17mmT4 | | MB,PL,PATCH,CNTR* 13TH,2 HALVES,BROKEN,ANOTHER 13TH * IN NEB,BLOBS BOTH ENDS,OIII,HELPS,MORE NEB,BBLOBS BOTH ENDS,CNTR* STILL VISIBLE,R=E | |
| Aug 11 1982 | 12.5" 16mm | | MF,PL,BG COLOR,NW PART BTR,PATCHY-R,CNTR 14* DET,LOC E OF A FEW *S | |
| H193-1 | NGC 650 | Per M76 | Planetary Neb 3+6 | VB,P OF DNEB =M76 |
| Sep 02 2008 | 31" 17mmT4 | | VB,VL,BHOUR GLASS CNTR RGN,F WISPS OF NEB SIDES,OIII NO HELP,F* EDGE OF HOUR GLASS,NO CNTR* DET,R=E | |
| Mar 19 2004 | 12.5" 12mmT4 | | W/OIII, VB,PL,HOUR GLASS SHAPE,BAR,TWO HALVES,MESSIER MARATHON 2004,R=E | |
| Dec 06 2002 | 12.5" 9mmT6 | | PB,PL,2 LOBES EASILY DET,MHISB,B RGN IN ONE LOBE, M76 | |
| Mar 02 1984 | 10" 20mm | | SAME | |
| Aug 25 1982 | 12.5" 16mm | | HOUR GLASS SHAPE,WHIPHS OF NEB SUR TIPS,SAME AS BEFORE | |
| Oct 03 1981 | 12.5" 24mm | | BLUE GREEN,MB,PS,S PART BTR,HISB,2 PARTS DET,DARK PATCH | |
| Mar 27 1981 | 12.5" 24mm | | MESSIER MARATHON 1981 | |
| Aug 22 1980 | 12.5" 24mm | | | |

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| H193-1 | NGC 650 | Per | M76 | Planetary Neb 3+6 | VB,P OF DNEB =M76 |
| Aug 22 1980 | 12.5" | 24mm | | | |
| Aug 19 1980 | 12.5" | 24mm | | | |
| Jul 24 1980 | 12.5" | 24mm | | | |
| Jul 17 1980 | 12.5" | 24mm | | | |
| Jul 11 1980 | 12.5" | 24mm | | | |
| H194-1 | NGC 3675 | UMa | | Galaxy SA(s)b | VB,CL,VME0,VSMBMN |
| Mar 15 1985 | 12.5" | 16mm | | SAME,PB,ML,BNUC,F*N TIP,CIGAR SHAPE,MHISB,BM | |
| Oct 22 1982 | 12.5" | 16mm | | MB,ML,EL,BNUC,F* IN N TIP,BIG BNUC,GMBM | |
| H195-1 | NGC 4111 | CVn | | Galaxy SA(r)0+: sp | VB,PS,ME151 |
| Feb 25 2004 | 31" | 17mmT4 | | VB,PL,EDGE ON,BNUC,HISB CNTR,CNTR BULGE,TAPERED ENDS,PAIR=4109,R=E | |
| Feb 12 1983 | 12.5" | 24mm | | PB,VS,EDGE ON,BNUC,B* CLOSE BY,F* BET GLXY AND B*,TAPERED ENDS | |
| H195-2 | NGC 6287 | Oph | | Globular XII | GCL,CB,L,R,GPMC,M,RRR |
| Jun 28 2019 | 36" | 17mmT4 | | (Class XI),MF,MS,US,*S UB SPREAD CLOST TO NUC,NOT MUCH * BIN CNTR,R=FG | |
| Jul 21 1984 | 12.5" | 16mm | | VDIF,VF,MS,OVAL,UB,NO *S RSLV | |
| Jun 04 1981 | 12.5" | 24mm | | DIF,PF,MS | |
| Jun 18 1980 | 12.5" | 24mm | | EF,NND,LOC IN BARREN * FIELD | |
| H196-2 | NGC 5694 | Hya | | Globular VII | CB,CS,R,PSBM,R,*9SP |
| Apr 11 2015 | 36" | 17mmT4 | | (Class III),PB,MS,BNUC WITH HISB,HALO OF RSLV *S CLOSE TO NUC,19 DEG ALT,R=G | |
| Jun 11 1983 | 12.5" | 20mm | | MF,PS,BNUC,R,2*S SE,1*SW 1 GLXY DIA,1F* SW 2 GLXY DIA,MHISB | |
| H197-1 | NGC 4485 | CVn | | Galaxy IB(s)m pec | B,PS,IR,NP OF 2 |
| Jan 28 1982 | 12.5" | 16mm | | EDIF,PF,PS,EDGE ON,UB,INTRACT WITH 4490 | |
| Mar 27 1981 | 12.5" | 24mm | | | |
| H197-2 | NGC 6544 | Sgr | | Globular | CF,PL,IR,R |
| Jul 01 2019 | 36" | 17mmT4 | | (Class VIII),MB,ML,SNUC,LOOSLY SC OUTER *S RSLV TO CORE,SHISB CNTR,R=G | |
| Sep 20 1984 | 12.5" | 16mm | | VF,MS,F* V CLOSE BY,R,BM,SOME *S RSLV | |
| Aug 13 1982 | 12.5" | 16mm | | MF,MS,FNUC,SNUC,GBM,SOME *S RSLV,R | |
| H198-1 | NGC 4490 | CVn | | Galaxy SB(s)d pec | VB,VL,ME130,R,SF OF2 |
| Jan 28 1982 | 12.5" | 16mm | | DIF,PB,PL,EL,BNUC,GBM,INTRACT WITH 4485,SN DISCOVERED 8/10/82 | |
| Mar 27 1981 | 12.5" | 24mm | | | |
| Oct 31 1980 | 12.5" | 24mm | | | |
| H198-2 | NGC 6540 | Sgr | | Globular | PF,S,IE,ER OR CL |
| Jul 01 2019 | 36" | 17mmT4 | | (Class X),MB,MS,EL,SF NUC,V RICH * FIELD,R=F | |
| Sep 20 1984 | 12.5" | 16mm | | VDIF,VF,VS,*S ~SAME MAG(11,5),SC,FIND 6520 FIRST | |
| Aug 13 1982 | 12.5" | 16mm | | DIF,VF,VS,EL PATCH,APPEARS AS A GLXY,LOCATE FROM 6520,FEW *S RSLV | |
| H199-1 | NGC 3198 | UMa | | Galaxy SB(rs)c | PB,VL,ME45,VGBM |
| Mar 15 1985 | 12.5" | 16mm | | SAME | |
| Oct 22 1982 | 12.5" | 16mm | | DIF,MF,PL,EDGE ON,F*NW EDGE,UB,NND,TAPERED TOWARDS ENDS | |
| Dec 03 1980 | 12.5" | 24mm | | | |
| H199-2 | NGC 6517 | Oph | | Globular IV | PB,PL,R,RR |
| Jul 01 2019 | 36" | 17mmT4 | | (Class VII),MB,ML,R,HISB CNTR,GMBM,F OUTER HALO,R=G | |
| Jun 04 1981 | 12.5" | 24mm | | DIF,PF,PS | |
| H200-1 | NGC 2683 | Lyn | | Galaxy SA(rs)b | VB,VL,VME39,GMBM |
| Oct 16 1982 | 12.5" | 16mm | | MB,ML,EDGE ON,FNUC,F* IN N TIP,B* OFF TO E,DUST LANES SUSP,TAPERED ENDS,HISB | |
| H200-2 | NGC 6528 | Sgr | | Globular V | GCL,PF,CS,R,GBM,RRR |
| Jul 01 2019 | 36" | 17mmT4 | | (Class IX),PB,ML,LB NUC,THIN F HALO *S RSLV,HISB CNTR,R=G | |
| Sep 20 1984 | 12.5" | 16mm | | DIF,VF,VS,6522 SAME FIELD TO E,IN BARREN * AREA,R,SBM | |
| Aug 13 1982 | 12.5" | 16mm | | VDIF,PF,VS,SBM,NO *S RSLV,PAIR/6522 | |

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|---------------|-----------------|--|--------------------------|-----------------------------|
| H200-2 | NGC 6528 | Sgr | Globular V | GCL,PF,CS,R,GBM,RRR |
| Aug 13 1982 | 12.5" 16mm | VDIF,PF,VS,SBM,NO *S RSLV,PAIR/6522 | | |
| H201-1 | NGC 3877 | UMa | Galaxy SA(s)c: | B,L,ME37 |
| Mar 15 1985 | 12.5" 16mm | SAME,PB,ML | | |
| Feb 12 1983 | 12.5" 16mm | MB,PL,EDGE ON,KNTS DET,DUST LANES | | |
| H201-2 | NGC 6569 | Sgr | Globular VIII | GCL,CB,L,R,RRR,*15.. |
| Jul 01 2019 | 36" 17mmT4 | (Class VIII),MB,ML,ALM UB,FEW *S RSLV OUTER EDGE,R=G | | |
| Sep 21 1984 | 12.5" 24mm | PF,PS,R,SBM,2F*S TO S IN A LINE POINTING TO A B DBL *,F* ON S EDGE | | |
| Aug 13 1982 | 12.5" 16mm | DIF,MF,MS,R,GBM,UB | | |
| H202-1 | NGC 3949 | UMa | Galaxy SA(s)bc: | CB,PL,PME,VGBM |
| Mar 15 1985 | 12.5" 12mm | MB,ML,RECT SHAPE,UB,MHISB,NO *S | | |
| Feb 12 1983 | 12.5" 16mm | MF,PL,MHISB,OVAL,*NUC,KNTS SUSP,FACE ON | | |
| H203-1 | NGC 3938 | UMa | Galaxy SA(s)c | B,VL,R,BMPBN,ER |
| Mar 15 1985 | 12.5" 16mm | MF,PL,L OVAL,FACE ON,SBM,SOME KNTY STR SUSP,NO *S | | |
| Feb 12 1983 | 12.5" 16mm | MB,VL,FACE ON,R,KNTS DET | | |
| H204-2 | NGC 6629 | Sgr | Planetary Neb 2a | PLNORGCL,PB,EES,R |
| May 19 2009 | 31" 12mmT4 | MB,PS,R,CNTR* ~13TH MAG,BLUEISH-GREEN,B TOWARDS CNTR,OIII DNH,R=G | | |
| Aug 13 1982 | 12.5" 7mm | MF,VS,BET 2*S IN FIELD OF VIEW,HARD TO LOC,R,BLUE GREEN COLOR | | |
| H205-1 | NGC 2841 | UMa | Galaxy SA(r)b: | VB,L,VME151,VSMBM*10 |
| Apr 14 2004 | 31" 17mmT4 | VB,EL,EL,BLNUC,HISB,L AREA OF ARMS,DUST SUSP,* IN TIP,R=E | | |
| Mar 15 1985 | 12.5" 12mm | SAME,ALL *S PRESENT | | |
| Oct 16 1982 | 12.5" 12mm | FTR * OFF NE,SAME | | |
| Oct 16 1982 | 12.5" 16mm | VB,ML,EL,BNUC,F* IN N TIP,F*NW,GMBM,DIF HALO,VF*N | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H205-2 | NGC 6642 | Sgr | Globular VI | GCL,PB,PL,IR,GPMBM |
| Jun 28 2019 | 36" 17mmT4 | (Class II),PB,ML,OUTER *S SC AND RSLV TO CORE,MHISB CNTR,R=G | | |
| Aug 13 1982 | 12.5" 16mm | MF,PS,VMBM,R | | |
| H206-1 | NGC 4088 | UMa | Galaxy SAB(rs)bc | B,CL,E55,LBM |
| Mar 06 2003 | 12.5" 9mmT6 | MB,EL-OVAL,PATCH,UB,NND,SHISB,PAIR=4085,R=E | | |
| Feb 12 1983 | 12.5" 24mm | DIF,PB,PL,EL,HISB,NND,UB,W SIDE WIDER THAN E,PAIR/4085 | | |
| H207-2 | NGC 7217 | Peg | Galaxy (R)SA(r)ab | B,PL,GBM,ER |
| Sep 14 2012 | 36" 17mmT4 | PB,PL,OVAL-R,BLNUC,HISB,GMBM,F* OFF SIDE,R=G | | |
| Sep 21 1984 | 12.5" 12mm | PB,PL,BNUC,R,VMBM,SOFT LNUC | | |
| Aug 25 1982 | 12.5" 16mm | MB,PL,R,VMBM | | |
| Jul 07 1981 | 12.5" 24mm | MB,PB,ELDIM NUC,F HALO | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Jul 15 1980 | 12.5" 24mm | | | |
| Jul 12 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| H210-1 | NGC 4346 | CVn | Galaxy S0 sp | VF,S,ME100,VSMBMBN |
| Jan 26 1982 | 12.5" 16mm | DIF,MF,VS,DIM NUC,OVAL,VMBM | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H211-1 | NGC 4800 | CVn | Galaxy SA(rs)b | PB,CS,R,PSBM,*14P |
| Jan 28 1982 | 12.5" 16mm | DIF,MF,PS,FNUC,* ON W SIDE,OVAL,MBM | | |
| H213-1 | NGC 4449 | CVn | Galaxy IBm | VB,CL,ME,DORBIFID,*F |
| Jan 28 1982 | 12.5" 16mm | DIF,PB,PL,EL,FNUC,F* IN W EDGE NEAR NUC,HISB,GMBM,F* FURTHER W | | |
| Jan 28 1982 | 12.5" 7mm | *NUC,ANOTHER F* JUST W OF NUC | | |
| H214-1 | NGC 5474 | UMa | Galaxy S(c) | PB,L,BM |

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| H214-1 | NGC 5474 | UMa | Galaxy S(c) | PB,L,BM |
| Mar 06 2003 | 12.5" 9mmT6 | PF,PL,R,PATCH,NND,PATCHY,F* | IN GLXY DET,R=G | |
| Jun 11 1983 | 12.5" 20mm | DIF,MB,PL,FNUC,F*NW 1 | GLXY DIA,OVAL,BSNUC,SOUTH OF M101 | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H215-1 | NGC 5866 | Dra M102 | Galaxy SA0+ sp | VB,CL,PME146,GBM |
| Mar 19 2004 | 12.5" 12mmT4 | MESSIER MARATHON 2004 | | |
| Apr 23 2003 | 12.5" 9mmT6 | EB,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPERED ENDS,LNUC AREA,GMBM,R=E | | |
| Mar 02 1984 | 10" 20mm | SAME | | |
| Jul 09 1983 | 12.5" 12mm | MB,ML,BNUC,2F*S ON BOTH SIDES,BLNUC,TAPERED ENDS | | |
| Jul 22 1981 | 12.5" 16mm | VB,ML,EL,BNUC,B HALO SUR NUC | | |
| Mar 27 1981 | 12.5" 24mm | MESSIER MARATHON 1981 | | |
| Jul 14 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | | | |
| H216-1 | NGC 2787 | UMa | Galaxy SB(r)0+ | B,PL,LE90,MBM,R,*INV |
| Mar 26 2003 | 12.5" 9mmT6 | PB,ML,R,MHISB,FACE ON,F* IN GLXY ARMS,GBM,SPR STR SUSP,R=E | | |
| Mar 15 1985 | 12.5" 12mm | SAME,F* IN E SIDE NOT DET | | |
| Oct 16 1982 | 12.5" 12mm | R,GMBM,ANOTHER F* IN EASTERN PART | | |
| Oct 16 1982 | 12.5" 16mm | MB,MS,BNUC,OVAL,F* IN S PART,HISB CNTR | | |
| H218-1 | NGC 2419 | Lyn | Globular II | PB,PL,LE90,VGBM,*4'F |
| Feb 21 2020 | 36" 17mmT4 | (Class XI),MB,PL,OVAL-R,UB,V LTL CL IN CNTR,E FOV W/B* CLOSE BY,R=G | | |
| Oct 16 1982 | 12.5" 16mm | MF,PL,R,UB,SBM,2 B*S POINT TO IT,COUPLE OF F*S SC SUR OBJECT | | |
| H219-1 | NGC 3665 | UMa | Galaxy SA(s)0^ | CB,CL,IR,PGMBM |
| Mar 15 1985 | 12.5" 16mm | MF,MS,FNUC,BSNUC,F* TO N,MHISB,LNUC RGN | | |
| Oct 22 1982 | 12.5" 16mm | MB,ML,DNUC,OVAL,MHISB TOWARDS CNTR,LNUC AREA | | |
| H222-1 | NGC 3729 | UMa | Galaxy SB(r)a pec | PB,PL,LE0,GBM,*12NR |
| Feb 23 2006 | 31" 17mmT4 | VB,VL,OVAL,BSNUC,HISB,ARMS,PATCHY AREAS,B BAR LIKE NUC W/BULGE,COMP=MAC,* ON EDGE,R=E | | |
| Mar 15 1985 | 12.5" 16mm | MB,ML,BTR THAN 3718,MHISB,B* ON S EDGE,UB,PAIR/3718 | | |
| Oct 22 1982 | 12.5" 24mm | VF,ML,OVAL,NND,MHISB,F* IN S PART,PAIR/3718 | | |
| H223-1 | NGC 4026 | UMa | Galaxy S0 sp | VB,CL,ME176,VSVMBMBN |
| Feb 12 1983 | 12.5" 16mm | MB,PS,EDGE ON,DUST LANE SUSP,VBM,CNTR BULGE | | |
| H224-1 | NGC 4085 | UMa | Galaxy SAB(s)c:? | B,PL,ME78,VSBM |
| Mar 06 2003 | 12.5" 9mmT6 | MB,VL,EDGE ON,UB,NND,PAIR=4088,R=G | | |
| Feb 12 1983 | 12.5" 24mm | DIF,PF,ML,EDGE ON,UB,NND,PAIR/4088 | | |
| H224-2 | NGC 404 | And | Galaxy SA(s)0-: | PB,CL,R,GBM, |
| Aug 31 1984 | 12.5" 12mm | VF,MS,FNUC,F*NW 1 GLXY DIA,OVAL-R,SBM,KEEP BETA OUT OF FIELD | | |
| Sep 23 1981 | 12.5" 16mm | F* TO NE 2 GLXY DIA AWAY,BM,KEEP BETA OUT OF FIELD,DIM NUC,MF,MS | | |
| Sep 20 1981 | 12.5" 24mm | | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Aug 19 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | V CLOSE TO B* | | |
| H225-1 | NGC 4102 | UMa | Galaxy SAB(s)b? | B,PS,R,BMBN,*12SPVNR |
| Mar 06 2003 | 12.5" 9mmT6 | PB,ML,OVAL,BNUC,HISB,L HISB NUC,F* OFF ONE EDGE,R=G | | |
| Feb 12 1983 | 12.5" 16mm | MB,PS,BNUC,R,BM,F* (13 MAG) W EDGE,F* FARTHER E | | |
| H226-1 | NGC 3631 | UMa | Galaxy SA(s)c | PB,L,R,SVMBMRN |
| Mar 15 1985 | 12.5" 16mm | MB,ML,FNUC,FACE ON,SBM,SNUC,SPR STR DET,2 *S OUTER ARMS | | |
| Oct 22 1982 | 12.5" 16mm | DIF,VF,MS,PATCHY,OVAL,*NUC | | |

Herschel 400 (I) Observations

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|---------------|-----------------|---|------------------------------|----------------------------|
| H226-1 | NGC 3631 | UMa | Galaxy SA(s)c | PB,L,R,SVMBMRN |
| Oct 22 1982 | 12.5" 16mm | DIF,VF,MS,PATCHY,OVAL,*NUC | | |
| H228-1 | NGC 3898 | UMa | Galaxy SA(s)ab | B,PL,LE,SVMBM |
| Mar 15 1985 | 12.5" 12mm | PB,ML,BNUC,HISB,BM,R-OVAL,PAIR/3888 | | |
| Feb 12 1983 | 12.5" 16mm | MB,PL,EL,BNUC,VMBM | | |
| H229-1 | NGC 3998 | UMa | Galaxy SA(r)0^? | CB,PS,R,VG,SMBM |
| Mar 15 1985 | 12.5" 12mm | PB,MS,BNUC,R,COMP TO W = 3990 | | |
| Feb 12 1983 | 12.5" 16mm | MB,MS,BNUC,R,VMBM,F COMP (3990),FORMS TRI WITH 3982 | | |
| H231-1 | NGC 5473 | UMa | Galaxy SAB(s)0-: | PB,S,R,GBM |
| Mar 06 2003 | 12.5" 9mmT6 | PB,ML,R,BNUC,MHISB,R=G | | |
| Jun 11 1983 | 12.5" 20mm | MB,PS,BNUC,BET 2 F*S E&W,R,SBM,CLOSE TO M101 (NORTH) | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| H236-1 | NGC 5631 | UMa | Galaxy SA(s)0^ | B,S,R,PSBMN |
| Jun 01 2003 | 12.5" 9mmT6 | PB,ML,EL,BSNUC,SHISB,HALO-ARMS,ALM *,GMBM,R=G | | |
| Jun 11 1983 | 12.5" 20mm | MF,VS,BNUC,SVRL F*S TO N,R,GBM,BARREN AREA TO SOUTH | | |
| H240-2 | NGC 7814 | Peg | Galaxy SA(s)ab: sp | CB,CL,E,VGBM |
| Sep 21 1984 | 12.5" 16mm | MB,PL,EL,SOFT LNUC,HISB,NO *S | | |
| Jul 07 1981 | 12.5" 24mm | DIF,MF,ML,VF HALO | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H241-1 | NGC 3621 | Hya | Galaxy SA(s)d | CB,VL,E160,AM4* |
| Feb 12 1983 | 12.5" 24mm | VDIF,VF,ML,3B*S SUR GLXY,SBM,KNTS SUSP,OVAL-PATCHY | | |
| H242-1 | NGC 2681 | UMa | Galaxy (R')SAB(rs)0/a | VB,VL,VG,VSMBM*10 |
| Mar 15 1985 | 12.5" 16mm | SAME | | |
| Oct 16 1982 | 12.5" 16mm | MB,MS,R,GMBM,BNUC,2F*S W,1F* E | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H244-1 | NGC 3619 | UMa | Galaxy (R)SA(s)0+: | CB,CL,R,VGMBM |
| Mar 15 1985 | 12.5" 12mm | PF,MS,PATCHY,SNUC,FTR THAN 3613,PAIR/3613 | | |
| Oct 22 1982 | 12.5" 16mm | R,DIF,MF,PS,FUZZY,SBM | | |
| H249-1 | NGC 2742 | UMa | Galaxy SA(s)c: | CB,CL,E90,ER |
| Mar 06 2003 | 12.5" 9mmT6 | VB,VL,OVAL,NND,MHISB,PATCHY,SPR STR SUSP,R=E | | |
| Mar 15 1985 | 12.5" 16mm | DIF,PF,PS,PATCHY-OVAL,NND,UB,3F*S TO S 1 GLXY DIA | | |
| Oct 16 1982 | 12.5" 16mm | TRI OF 3F*S OFF TO E | | |
| Oct 16 1982 | 12.5" 24mm | DIF,MF,ML,UB,OVAL,SAME 24MM FIELD W/2768 | | |
| H250-1 | NGC 2768 | UMa | Galaxy E6: | CB,CL,LE,PSBMLBN |
| Mar 06 2003 | 12.5" 9mmT6 | VB,VL,OVAL,BNUC,HISB,DUST EXPECTED,GMBM,*NUC,HISB CNTR,MHISB ARMS,R=E | | |
| Mar 15 1985 | 12.5" 16mm | MB,PL,OVAL,PATCHY,MHISB TOWARDS CNTR,NO *S | | |
| Oct 16 1982 | 12.5" 12mm | MB,ML,2F*S OFF TO S,2B*S ON BOTH SIDES,EL,MBM,TAPERED,BNUC | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H251-1 | NGC 3945 | UMa | Galaxy (R)SB(rs)0+ | B,PL,R,GMBM,R,*12SP |
| Mar 15 1985 | 12.5" 12mm | PB,MS,BNUC,3F*S SUR OBJECT,R,VMBM,HISB CNTR | | |
| Feb 12 1983 | 12.5" 16mm | MB,PS,BNUC,2F*S N,1*W,HISB,R,SBM | | |
| H251-2 | NGC 7448 | Peg | Galaxy SA(rs)bc | PB,L,E173,VGBM,*F2' |
| Sep 21 1984 | 12.5" 12mm | MF,PL,EL,MHISB,BET 2*S,SBM,NO *S | | |
| Jul 07 1981 | 12.5" 24mm | DIF,MF,ML,F ARM | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| Jul 15 1980 | 12.5" 24mm | PF,LOC BET 2F*S | | |
| Jul 12 1980 | 12.5" 24mm | | | |
| H252-1 | NGC 4041 | UMa | Galaxy SA(rs)bc: | B,CL,R,G,PSVMBMRN |

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|---------------|-----------------|--|-----------------------------|-----------------------------|
| H252-1 | NGC 4041 | UMa | Galaxy SA(rs)bc: | B,CL,R,G,PSVMBMRN |
| Mar 06 2003 | 12.5" 9mmT6 | VB,PL,R,HISB,VLNUC,VF* SUSP IN GLXY,S AREA (RING),FARMS,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MF,MS,DNUC,R,SBM,PAIR/4036 | | |
| H252-3 | NGC 488 | Psc | Galaxy SA(r)b | PB,L,R,SVMBM,*8F10' |
| Sep 24 1981 | 12.5" 16mm | MB,ML,BNUC,VMBM,R,HISB,LINE OF 5*S TO S | | |
| Oct 31 1980 | 12.5" 24mm | | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 07 1980 | 12.5" 24mm | B* CLOSE | | |
| H253-1 | NGC 4036 | UMa | Galaxy S0- | VB,VL,E |
| Mar 06 2003 | 12.5" 9mmT6 | VB,VL,BNUC,VBM,BLNUC,HISB CNTR,TAPERED ENDS,R=E | | |
| Feb 12 1983 | 12.5" 16mm | MB,PL,EDGE ON,BNUC,CNTR BULGE,DUST LANE SUSP,BM,PAIR/4041 | | |
| H256-1 | NGC 5322 | UMa | Galaxy E3-4 | VB,PL,IR,PSMBM |
| Apr 03 2005 | 31" 17mmT4 | VB,VL,EL-OVAL,BLNUC,HISB CNTR,* OR COMP OFF NUC,F* ON EDGE,SN?,R=E | | |
| Feb 12 1983 | 12.5" 16mm | VB,ML,BNUC,R,BM,2F*S OFF IN A LINE | | |
| H261-1 | NGC 1931 | Aur | Open Cluster I 3 p n | VB,L,R,B***IN M |
| Aug 21 1982 | 12.5" 16mm | MF,PS,3F*S IN CNTR,GBM,OVAL,B CNTR RGN | | |
| H266-2 | NGC 2613 | Pyx | Galaxy SA(s)b | CB,L,VME110 |
| Oct 22 1982 | 12.5" 16mm | VDIF,VF,MS,EL,F FIELD *S SUR OBJECT,NND,UB | | |
| H270-1 | NGC 3610 | UMa | Galaxy E5: | VB,PS,LE90,VSVMBSN |
| Mar 15 1985 | 12.5" 12mm | PB,MS,BNUC,R,BM,SLT TAPERED DET | | |
| Oct 22 1982 | 12.5" 16mm | PB,MS,BNUC,R,GMBM | | |
| H271-1 | NGC 3613 | UMa | Galaxy E6 | VB,CL,ME305,SMBMN |
| Mar 15 1985 | 12.5" 12mm | PB,PS,BNUC,OVAL,SBM,PAIR/3619 | | |
| Oct 22 1982 | 12.5" 16mm | MB,PS,BNUC,R,BSNUC,GBM,PAIR/3619 | | |
| H280-1 | NGC 6217 | UMi | Galaxy (R)SB(rs)bc | B,CL,LE,SLBM |
| Jun 22 2003 | 12.5" 9mmT6 | PB,VL,R,FNUC,SHISB,FACE ON,FSNUC,DUST SUSP,FARMS,R=E | | |
| Aug 13 1982 | 12.5" 16mm | PF,PS,DIF,*NUC,OVAL,SBM,NO *S | | |
| H281-1 | NGC 613 | ScI | Galaxy SB(rs)bc | VB,VL,VME118,SBM,*NF |
| Sep 27 1981 | 12.5" 16mm | DIF,MF,ML,ELDNUC,FARMS,11 MAG * NW,SBM,NUC DET,OBLONG IN SHAPE | | |
| Oct 29 1980 | 8" 24mm | | | |
| Sep 09 1980 | 12.5" 32mm | | | |
| H282-2 | NGC 615 | Cet | Galaxy SA(rs)b | PB,PL,ILE,GBM,*8NP10 |
| Sep 27 1981 | 12.5" 16mm | DIF,MF,MS,EL,FNUC,*NUC,BTR IN EQ PLANE | | |
| Sep 10 1980 | 12.5" 24mm | | | |
| H285-1 | NGC 2976 | UMa | Galaxy SAc pec | B,VL,ME152,ST INV |
| Apr 14 2004 | 31" 17mmT4 | MB,VL,PATCH,UB,MHISB,V UNIQUE IN APPEARANCE,3*S SUR EDGE,RECT,R=E | | |
| Mar 15 1985 | 12.5" 16mm | IRR,DIF,PF,VL,EL,PATCH,F* S EDGE BY NUC,UB | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Dec 03 1980 | 12.5" 24mm | F* IN OUTER ARM RGN | | |
| Aug 22 1980 | 12.5" 24mm | | | |
| H286-1 | NGC 3077 | UMa | Galaxy I0 pec | CB,CL,MBM,R WITH RAY |
| Mar 06 2003 | 12.5" 9mmT6 | EB,EL-OVAL,BNUC,HISB,LNUC AREA,MUCH HISB CNTR,R=E | | |
| Mar 15 1985 | 12.5" 16mm | SAME | | |
| Oct 22 1982 | 12.5" 12mm | SAME | | |
| Oct 22 1982 | 12.5" 16mm | MB,ML,BNUC,R-OVAL,HISB,GMBM,LNUC AREA, | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Aug 22 1980 | 12.5" 24mm | | | |

Herschel 400 (I) Observations

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| H286-1 | NGC 3077 | UMa | Galaxy I0 pec | CB,CL,MBM,R WITH RAY |
| Aug 22 1980 | 12.5" 24mm | | | |
| H288-1 | NGC 2655 | Cam | Galaxy SAB(s)0/a | VB,CL,LE90,GSVMBM |
| Oct 16 1982 | 12.5" 12mm | F*E 1 GLXY DIA,ARMS MORE PRODOMENANT | | |
| Oct 16 1982 | 12.5" 16mm | MB,MS,BNUC,GMBM,OBLONG,DIM HALO | | |
| Dec 21 1981 | 12.5" 16mm | PB,ML,R,BM,HISB | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| H296-2 | NGC 4027 | Crv | Galaxy SB(s)dm | GCL,PF,PL,R,RR,ST16 |
| Apr 06 2008 | 31" 17mmT4 | MB,ML,OVAL,MHISB,V*OUTER EDGE,L CNTR REGI,PATCHY NUC,MBM,PAIR=4027A,R=G | | |
| May 03 1981 | 12.5" 16mm | DIF,PB,PL,DNUC,F HALO | | |
| H316-2 | NGC 2371 | Gem | Planetary Neb 3a+2 | B,S,R,BMN,P OF DNEB |
| Dec 28 2008 | 31" 17mmT4 | PB,PL,CNTR*15,2 HALVES,LOBS BOTH SIDES,SHISB,HOUR GLASS SH,OIII HELPS V LTL,R=E | | |
| Feb 21 1984 | 12.5" 12mm | SAME | | |
| Feb 21 1984 | 12.5" 12mm | SAME,SOUTH PART BTR THAN N,CNTR * DET,VF,VS | | |
| Oct 23 1982 | 12.5" 12mm | MF,MS,2 PARTS EASILY DET,W SIDE BTR,BOTH MHISB,NSS | | |
| Oct 23 1982 | 12.5" 12mm | SEE 2371 | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| Oct 31 1980 | 12.5" 16mm | DBL NEB,2 NEB ON TOP OF EACH OTHER,NICE!! | | |
| H342-2 | NGC 3912 | Leo | Galaxy SAB(s)b? pec | F,PL,R,PGBM |
| Mar 03 1984 | 12.5" 12mm | SAME,NO *S | | |
| Feb 12 1983 | 12.5" 16mm | VDIF,VF,VS,UB,PATCHY,SAME 24MM FIELD WITH 3900 | | |
| H359-2 | NGC 3277 | LMi | Galaxy SA(r)ab | CB,CS,R,PGBM |
| Feb 21 2020 | 36" 17mmT4 | MB,MS,OVAL-R,BNUC,MHISB,R=G,TIME 12:10AM | | |
| Feb 25 1982 | 12.5" 16mm | DIF,MF,MS,FNUC,SBM,R | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H362-2 | NGC 3414 | LMi | Galaxy S0 pec | B,PL,R,MBM |
| Feb 21 2020 | 36" 17mmT4 | MB,ML,OVAL,BLNUC,GRAN HALO SUR NUC,R=G,TIME12:21AM | | |
| Feb 15 2004 | 31" 17mmT4 | VB,VL,EL,BLNUC,HISB,PAIRS=3418/MAC,R=E | | |
| Oct 22 1982 | 12.5" 16mm | MF,MS,BS*NUC,R,SBM | | |
| Dec 03 1980 | 12.5" 24mm | | | |
| H402-2 | NGC 6118 | Ser | Galaxy SA(s)cd | VF,CL,CE45,R |
| May 31 1981 | 12.5" 16mm | DIF,VB,ML,F HALO | | |
| H500-2 | NGC 4535 | Vir | Galaxy SAB(s)c | PF,VL,R |
| May 03 1981 | 12.5" 24mm | DIF,PB,EF,DARM,F* ~11 MAG | | |
| H505-2 | NGC 2811 | Hya | Galaxy SB(rs)a | PB,PS,E,PSMBM |
| Feb 12 1983 | 12.5" 16mm | DIF,PF,PS,EL,F*W,NND,TAPERED ENDS,FIELD OF B*S | | |
| Oct 22 1982 | 12.5" 16mm | MF,PS,SLT EL,SBM,F* W SVRL GLXY DIA | | |
| H513-2 | NGC 5054 | Vir | Galaxy SA(s)bc | F,PS,IR |
| Feb 12 1983 | 12.5" 24mm | EDIF,EF,VL,PATCH-OVAL,UB,NND | | |
| H534-2 | NGC 5364 | Vir | Galaxy SA(rs)bc pec | CF,L,R,GBM |
| Feb 12 1983 | 12.5" 16mm | DIF,VF,VL,R-OVAL,UB,B* CLOSE BY,PAIR/5363 | | |
| H536-2 | NGC 4845 | Vir | Galaxy SA(s)ab sp | PF,PL,PME,VGBM,*NF |
| Feb 12 1983 | 12.5" 16mm | DIF,MF,MS,EL,BET 2F*S,UB,NND | | |
| H569-2 | NGC 4273 | Vir | Galaxy SB(s)c | PB,L,E,GBM |
| Apr 26 2003 | 12.5" 9mmT6 | MB,PL,OVAL,UB,*NUC,MHISB,CL,4 OF 9,R=G | | |
| Apr 25 1981 | 12.5" 24mm | DIF,PF,PS,DARM,PAIR/4270/4281 | | |
| H570-2 | NGC 4281 | Vir | Galaxy S0+: sp | B,VL,R,PGBM |
| Apr 26 2003 | 12.5" 9mmT6 | MP,PL,EL,BNUC,MHISB,GBM,LNUC AREA,CL,1 OF 9,R=E | | |

Herschel 400 (I) Observations

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|---------------|-----------------|------------|---|-----------|-----------------------------|
| H570-2 | NGC 4281 | Vir | Galaxy S0+: | sp | B,VL,R,PGBM |
| Apr 26 2003 | 12.5" | 9mmT6 | MP,PL,EL,BNUC,MHISB,GBM,LNUC AREA,CL,1 OF 9,R=E | | |
| H584-2 | NGC 6235 | Oph | Globular X | | PB,CL,IR,RRR,*14..16 |
| Jun 25 2019 | 36" | 17mmT4 | (Class X),FEW BTR *S,F CORE RECT SHAPE,BTR *S SC,R=G | | |
| Jul 21 1984 | 12.5" | 16mm | VDIF,VF,MS,F PATCH,F TRI OF *S SUR OBJECT | | |
| Jun 04 1981 | 12.5" | 24mm | DIF,MB,ML,10 MAG *S | | |
| Jun 18 1980 | 12.5" | 24mm | VF,F TRI OF *S SUR OBJECT | | |
| H586-2 | NGC 6445 | Sgr | Planetary Neb 3b+3 | | PB,PS,R,GBM,R,*15NP |
| May 18 2009 | 31" | 17mmT4 | VB,PL,HISB,LOOKS LIKE A BIG MAC SANDWITCH,2 HAMBURGER BUNS,NO CNTR*,SEP,D IN 2 HALVES,BOX-SQUARE SHAPE,OIII, OUTER SIDES OF NEB BTR,R=E | | |
| Sep 20 1984 | 12.5" | 12mm | DIF,MF,PS,F* NW EDGE,B* TO W,PATCHY | | |
| Aug 13 1982 | 12.5" | 16mm | PF,VS,BLUE GREEN,F* ON NW EDGE,OVAL-PATCHY,SBM,PAIR/6440 | | |
| H587-2 | NGC 6426 | Oph | Globular IX | | VF,CL,E,VLBM |
| Jul 01 2019 | 36" | 17mmT4 | (Class XI),MF,MS,VF NUC,F OUTER *S RSLV INTO CNTR RGN,R=F | | |
| Jun 04 1981 | 12.5" | 24mm | DIF,MF,PS | | |
| H701-2 | NGC 6207 | Her | Galaxy SA(s)c | | PB,PL,E45,VGMBM |
| Feb 25 1982 | 12.5" | 16mm | DIF,MF,PS,EL,FNUC,BY M13,4F*S W SIDE,*NUC | | |
| Mar 27 1981 | 12.5" | 24mm | | | |
| Jul 14 1980 | 12.5" | 24mm | WITH BARLOW THERE IS A B* IN GLXY CNTR | | |
| Jul 12 1980 | 12.5" | 24mm | | | |
| Jul 11 1980 | 12.5" | 24mm | | | |
| Jul 05 1980 | 12.5" | 24mm | | | |
| Jun 20 1980 | 12.5" | 24mm | | | |
| Jun 17 1980 | 12.5" | 24mm | GREAT,FIRST SIGHTING OF THIS OBJECT,SAME 24MM FOV AS M13 | | |
| H707-2 | NGC 185 | Cas | Galaxy E3 pec | | PB,VL,IR,VGMBM,R |
| Sep 28 2013 | 36" | 17mmT4 | PB,PL,OVAL,UB,MHISB,SVRL VF* IN GLXY AREA,R=G | | |
| Jul 31 1981 | 12.5" | 24mm | DIF,SETLLAR NUC,DIF HALO,R TO OVAL IN SHAPE | | |
| Sep 18 1980 | 12.5" | 24mm | | | |
| Aug 22 1980 | 12.5" | 24mm | | | |
| Aug 19 1980 | 12.5" | 24mm | | | |
| Jul 17 1980 | 12.5" | 24mm | | | |
| Jul 15 1980 | 12.5" | 24mm | DIF,EF,PL,AV | | |
| H730-2 | NGC 3726 | UMa | Galaxy SAB(r)c | | PB,VL,LE0,VSMBM,*11N |
| Mar 15 1985 | 12.5" | 16mm | DIF,MF,VL,F* ON N EDGE,UB,SOME KNTY STR SUSP | | |
| Oct 22 1982 | 12.5" | 24mm | MB,PL,UB,OBLONG,F* IN N TIP,NND | | |
| H738-2 | NGC 3893 | UMa | Galaxy SAB(rs)c: | | B,PL,R,MBM |
| Mar 25 2020 | 36" | 17mmT4 | VB,VL,OVAL-R,BLNUC,HISB,SPR ARMS DET,F*S IN ARMS,ARMS BOTH SIDES OF NUC,GRAINY,PAIR=N3893,R=E | | |
| Mar 15 1985 | 12.5" | 16mm | MB,ML,FNUC,R,F* ON EDGE,SBM,HISB | | |
| Feb 12 1983 | 12.5" | 16mm | MB,PL,BNUC,B* IN W SIDE,SBM,OVAL | | |
| H743-3 | NGC 6781 | Aql | Planetary Neb 3+3 | | PLN,F,L,R,VSBM DISC |
| Sep 02 2008 | 31" | 17mmT4 | MB,VL,OVAL,NO CNTR*,ONE SIDE BROKEN,OIII HELPS SMWHT L CNTR DARK AREA,R=E | | |
| Aug 31 1984 | 12.5" | 12mm | MF,PL,R,PATCHY,RESEMBLES HELIX NEB | | |
| Jul 10 1981 | 12.5" | 12mm | VL,DIF,R,DARK PATCHES SEEN IN CNTR AREA,GRAYISH COLOR DIF NEB | | |
| H747-3 | NGC 1961 | Cam | Galaxy SAB(rs)c | | CF,PL,IF,MBM,ER,*INV |
| Jan 30 2003 | 12.5" | 9mmT6 | MF,VL,OVAL,PATCH,UB,SHISB,F* IN GLXY,CL 1 OF 8,R=G | | |
| Dec 21 1981 | 12.5" | 16mm | DIF,VF,PS,PATCHY,SBM,F* JUST BESIDE NUC,LINE OF 2F*S TO S | | |
| Oct 03 1981 | 12.5" | 16mm | MF,PL,F*E SIDE,NNS,PATCHY,SLT OVAL,F* S PART OF GLXY | | |

Herschel 400 (I) Observations

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|---------------|-----------------|---|--------------------------|-----------------------------|
| H747-3 | NGC 1961 | Cam | Galaxy SAB(rs)c | CF,PL,IF,MBM,ER,*INV |
| Oct 03 1981 | 12.5" 16mm | MF,PL,F*E SIDE,NNS,PATCHY,SLT OVAL,F* S PART OF GLXY | | |
| Sep 18 1980 | 12.5" 24mm | | | |
| H759-2 | NGC 5907 | Dra | Galaxy SA(s)c: sp | CB,VL,VME155,VGPSBMN |
| Apr 23 2003 | 12.5" 9mmT6 | VF,VL,EDGE ON,BNUC,MHISB,BEAUTIFUL,DUST LANE,CNTR BULGE,R=E | | |
| Jul 09 1983 | 12.5" 16mm | MB,PS,EL,V EDGE ON,FNUC,PAIR/5905 | | |
| Jul 22 1981 | 12.5" 16mm | EXT EDGE ON,UB,EQ DUST LANE SEEN | | |
| Mar 27 1981 | 12.5" 24mm | | | |
| Jul 14 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | V IMPRESSIVE,VB,EL | | |
| H764-2 | NGC 5982 | Dra | Galaxy E3 | CB,S,R,PSBM,R |
| Apr 23 2003 | 12.5" 9mmT6 | VF,ML,BNUC,R,MHISB,GMBM,LNUC,PAIR=5981/5985,R=G | | |
| Jul 09 1983 | 12.5" 16mm | MB,ML,BNUC,R,BM,SVRL OTHER PAIRS | | |
| Jul 22 1981 | 12.5" 24mm | VMBM,F HALO,COMP CLOSE 5985 | | |
| Jul 14 1980 | 12.5" 24mm | | | |
| Jul 11 1980 | 12.5" 24mm | | | |
| Jun 20 1980 | 12.5" 24mm | | | |