IUE MERGED LOG OF OBSERVATIONS

Taken by NASA, the European
Space Agency (ESA) and the Science and Engineering
Research Council (SERC)

We present here the log of observations for images taken in the U.S. by NASA and in Spain by ESA and the SERC for April 1 - November 30, 1981. Observing information for all earlier images have been recorded on microfiche as found in IUE Newsletter #14.

This log is ordered by RA except for observations of solar system objects and engineering images, which may be found at the beginning of the list. In addition starting with this issue, a separate listing of solar system targets sorted by RA within each object class can be found at the end of the log.

All documentary information about the objects (names, positions, magnitudes, etc.) are those provided by the observer. For NASA images, errors made at the observing console are corrected daily from the observing scripts, but the VILSPA documentation is listed as received.

Images are identified by camera ID (SWP, LWR) and the image sequence number for that camera. Other information includes observing station (GODDARD or VILSPA), dispersion and aperture used, date of observation, exposure time, and data release date for NASA images. Comments in the right most column include the exposure level for the raw images as found at the time of observation (see explanation at the front of list).

Copies of the IUE processed data tapes and photowrite images are stored in the National Space Science Data Center (NSSDC) at Goddard Space Flight Center until the data release date when the data is made available to the general science community. The release date for ESA and SERC data tapes available thru the NSSDC is generally about 7 months after the date of observation.

A description of the procedure for obtaining IUE data from the NSSDC is included in Newsletter #14.

Thomas B. Ake

IUE OBSERVATORY LOG

MERGED LOG OF OBSERVATIONS

APRIL 1, 1981 THROUGH NOVEMBER 30, 1981

THE COLUMN HEADINGS THAT APPEAR IN THE IUE LOG ARE AS FOLLOWS

OBJECT ID: NAME OF THE OBJECT

PROGRAM ID: FIVE-CHARACTER ALPHANUMERIC CODE IDENTIFYING THE OBSERVING PROGRAMS WHICH ARE DETAILED BELOW

TARGET RIGHT ASCENSION AND TARGET DECLINATION - 1950 COORDINATES

MAGNITUDE

COLOR: B-V OR E(B-V), E INDICATING E(B-V)

SPECTRAL TYPE AND LUMINOSITY

OBJCLASS: A NUMBER CLASSIFICATION SYSTEM FURTHER DEFINED LATER IN THE PREFACE

IMAGE SEQUENCE NUMBER: CAMERA USED, PLUS A SEQUENTIAL NUMBER

LWP LONG WAVELENGTH PRIME CAMERA

LWR LONG WAVELENGTH REDUNDANT CAMERA

SWP SHORT WAVELENGTH PRIME CAMERA

SWR SHORT WAVELENGTH REDUNDANT CAMERA

FES FINE ERROR SENSOR - STAR FIELD IMAGES

DISP HIGH (H) OR LOW (L) DISPERSION
FOR FES IMAGES, FIELD SIZE IS INDICATED:

D - DEFAULT (10 ARCMIN SQUARE);

F - FULL FIELD (16 ARCMIN CIRCULAR);

P - POSTAGE STAMP, (OPTIONAL SIZE);

S - SPECIAL

APERTURE USED: THE 10 BY 20 ARC SECOND LARGE OVAL APERTURE (L) OR THE 3 ARC SECOND SMALL CIRCULAR APERTURE (S)

THE FES UNIT USED IS INDICATED. CURRENTLY ONLY UNIT 2 IS AUTHORIZED FOR ROUTINE USE.

LARGE APERTURE STATUS: OPEN (O) OR CLOSED (C)

EXPOSURE TIME: MINUTES AND SECONDS

EXPOSURE START TIME: GMT

STATION ID: G - IMAGE TAKEN AT GSFC; V - IMAGE TAKEN AT VILSPA

RELEASE DATE: THE DATE ON WHICH THE DATA CENTER (NSSDC) CAN RELEASE THE DATA TO THE PUBLIC, GIVEN AS DAY OF YEAR.

COMMENTS - AS PROVIDED BY THE TELESCOPE OPERATOR:

NO COMMENTS WERE GENERALLY GIVEN FOR IMAGES TAKEN BEFORE JUNE 14, 1978

FOR IMAGES TAKEN BETWEEN JUNE 14, 1978, AND APRIL 21,1979 THE GROSS MAXIMUM EXPOSURE LEVEL WAS GIVEN

MAXDN - MAXIMUM DATA NUMBER, SATURATION OCCURS AT 255DN, POSSIBLE NON-LINEARITY AND SOFTWARE TRUNCATION OCCURS AT 190DN.

PS - PEAK SIGNAL PLUS BACKGROUND, SAME AS MAXDN

X - ESTIMATED NUMBER OF TIMES OF OVEREXPOSURE.

WIDER SPECTRA OBTAINED BY TRAILING THE STAR ALONG THE MAJOR AXIS OF THE LARGE APERTURE ARE SO INDICATED.

FOR IMAGES TAKEN AFTER APRIL 21, 1979:

E - GROSS EXPOSURE LEVEL IN DN FOR THE STRONGEST EMISSION LINE IN THE SPECTRUM

C - GROSS DN VALUE FOR THE MOST HIGHLY EXPOSED REGION OF THE CONTINUUM.

B - AVERAGE DN VALUE FOR THE BACKGROUND (USUALLY NEAR THE MAXIMUM CONTINUUM).

N - PEAK DN VALUE FOR THE MICROPHONIC NOISE

THE FOLLOWING IS A GLOSSARY OF OBJECT CLASSIFICATION
UTILIZED IN THE OBSERVATORY LOG

00	SUN	34	AE	67	
01	EARTH	35	AM	68	
02	MOON	36	AP	69	
03	PLANET	37	WDA	70	PLANETARY NEBULA + CENTRAL STAR
04	PLANETARY SATELLITE	38	HORIZONTAL BRANCH STARS	71	PLANETARY NEBULA - CENTRAL STAR
05	MINOR PLANET	39	COMPOSITE SPECTRAL TYPE	72	H II REGION
06	COMET	40	F0-F2	73	REFLECTION NEBULA
07	INTERPLANETARY MEDIUM	41	F3-F9	74	DARK CLOUD (ABSORPTION SPECTRUM)
08	GIANT RED SPOT	42	FP	75	SUPERNOVA REMNANT
09		43	LATE-TYPE DEGENERATES	76	RING NEBULA (SHOCK IONIZED)
10	W C	44	G V-IV	77	
11	WN	45	G III-I	78	
12	MAIN SEQUENCE O	46	K V-IV	79	
13	SUPERGIANT O	47	K III-I	80	SPIRAL GALAXY
14	OE	48	M V-IV	81	ELLIPTICAL GALAXY
15	OF	49	M III-I	82	IRREGULAR GALAXY
16	SD O	50	R, N OR S TYPES	83	GLOBULAR CLUSTER
17	WD O	51	LONG PERIOD VARIABLE STARS	84	SEYFERT GALAXY
18		52	IRREGULAR VARIABLES	85	QUASAR
19	OTHER STRONG SOURCES	53	REGULAR VARIABLES	86	RADIO GALAXY
20	B0-B2 V-IV	54	DWARF NOVAE	87	BL LACERTAE OBJECT
21	B3-B5 V-IV	55	CLASSICAL NOVAE	88	EMISSION LINE GALAXY (NON-SEYFERT)
22	B6-B9.5 V-IV	56	SUPERNOVAE	89	
23	B0-B2 III-I	57	SYMBIOTIC STARS	90	INTERGALACTIC MEDIUM
24	B3-B5 III-I	58	T TAURI	91	

25	B6-B9.5 III-I	59	X-RAY	92	
26	BE	60	SHELL STAR	94	
27	BP	61	ETA CARINAE	95	
28	SDB	62	PULSAR	96	
29	WDB	63	NOVA-LIKE	97	
30	AO-A3 V-IV	64	OTHER	98	WAVELENGTH CALIBRATION LAMP
31	A4=A9 V-IV	65	MISIDENTIFIED TARGETS	99	NULLS AND FLAT FIELDS
32	AO-A3 III-I	66	INTERACTING BINARIES		
33	A4-A9 III-I				

VILSPA EXPOSURE CLASSIFICATION CODES

SINCE 1 AUGUST 1978 A TWO-DIGIT CODE HAS BEEN USED TO DESCRIBE ESPOSURE LEVELS.
THIS CODE OCCUPIES THE FIRST TWO CHARACTER POSITIONS OF THE COMMENT FIELD.

DIGIT 1: EXPOSURE LEVEL OF CONTINUUM
DIGIT 2: EXPOSURE LEVEL OF EMISSION LINES

THE CLASSIFICATIONS BELOW APPLY TO BOTH:

0: NOT APPLICABLE
1: NO SPECTRUM VISIBLE
2: FAINT SPECTRUM: MAX DN < 20 ABOVE BACKGROUND
3: UNDEREXPOSED: MAX DN < 100 ABOVE BACKGROUND
4: WEAK: MAX DN BETWEEN 100 AND 150 ABOVE BACKGROUND
5. GOOD: NO SATURATION BUT MAX DN OVER 150 ABOVE BACK
6: A BIT STRONG: A FEW PIXELS SATURATED
7: SATURATED FOR LESS THAN HALF THE SPECTRUM
8: MOSTLY SATURATED BUT SOME PARTS USABLE
9: COMPLETELY SATURATED

ON 1 SEP 79 A FURTHER DIGIT WAS ADDED TO DESCRIBE THE LEVEL THE LEVEL OF BACKGROUND.
THE MEAN DN GIVEN BY A SUBSET HISTOGRAM OF WIDTH 2 PIXELS BETWEEN:

SWP 550,130 AND 685,310
AND LWR 160,195 AND 90,300

0 DN<20
1 21<DN<30
2 31<DN<40
3 41<DN<50
4 51<DN<60
5 61<DN<70
6 71<DN<80
7 81<DN<90
8 91<DN<100
9 DN>101
X SATURATED

LIST OF ABBREVIATIONS USED

AL	SRC APPLETON LABORATORY
IC	IMPERIAL COLLEGE, LONDON
MSSL	MULLARD SPACE SCIENCE LABORATORY
RGO	ROYAL GREENWICH OBSERVATORY

ROE ROYAL OBSERVATORY EDINBURGH

UCL UNIVERSITY COLLEGE LONDON

FOURTH EPISODE SERC APPROVED PROGRAMS

UK401 'PERIODICITIES IN X-RAY SOURCES' M. COE - SOUTHAMPTON

UK402 'W UMA CONTACT BINARIES' J.A.J. WHELAN - CAMBRIDGE

UK404 'DWARF NOVAE' J.E. PRINGLE - CAMBRIDGE

UK405 'UV SPECTROSCOPY OF DB WHITE DWARFS' D.T. WICKRAMASHINGE - ROYAL OBSERVATORY OF EDINBURGH

UK407 'PERIOD-ACTIVITY RELATIONS IN SOLAR TYPE CLOSE BINARIES' O. VILHU - HELSINKI

UK409 'MOLECULES IN CELESTIAL OBJECTS' S.P. TARAFDAR - BOMBAY

UK410 'ULTRAVIOLET EXTINCTION IN REDDENED GALACTIC CLUSTERS' W.B. SOMERVILLE - UNIVERSITY COLLEGE LONDON

UK411 'OBSERVATION OF INTERSTELLAR MOLECULAR LINES' W.B. SOMERVILLE - UNIVERSITY COLLEGE LONDON

UK412 'CHROMOSPHERIC/CORONAL ACTIVITY IN THE SHORT PERIOD SUBGROUP OF RS CVN STARS' E. BUDDING - MANCHESTER

UK413 'REDDENING IN THE BROAD-LINE REGIONS OF SEYFERT 1 GALAXIES' M.M. PHILLIPS - ANGLO-AUSTRALIAN OBSERVATORY

UK414 'CONTINUED MONITORING OF NGC 4151' M.V. PENSTON - ROYAL GREENWICH OBSERVATORY

UK417 'HIGH DISPERSION OBSERVATIONS OF T TAURI STARS' M.V. PENSTON' ROYAL GREENWICH OBSERVATORY

UK418 'LONG EXPOSURE OBSERVATIONS OF EXTRAGALACTIC OBJECTS' M.V. PENSTON - ROYAL GREENWICH OBSERVATORY

UK419 'A STUDY OF FILAMENTATION SURROUNDING NGC 1275' A.C. FABIAN - CAMBRIDGE

UK420 'ULTRAVIOLET STUDIES OF ASTEROIDS' A.J. MEADOUS - LEICESTER

UK422 'ULTRAVIOLET SPECTRO-PHOTOMETRY OF H II REGIONS IN NGC 4236' P.M. GONDHALEKAR - RUTHERFORD AND APPLETON LABORATOY

UK423 'H II REGION-LIKE GALAXIES' P.M. GONDHALEKAR - RUTHERFORD AND APPLETON LABORATORIES

UK425 'STUDIES OF CIRCUMSTELLAR AND INTERSTELLAR GAS HIGH VELOCITY COMPONENTS' B. BATES - BELFAST

UK426 'LUMINOSITY CALIBRATION STANDARD OF LOW Z QUASARS' C.M. GASKELL - CAMBRIDGE

UK427 'STUDY OF LYA/HB RATIOS IN LOW REDSHIFT QUASARS' R.F. CARSWELL - CAMBRIDGE

UK428 'UV CENTRE-TO-LIMB VARIATION IN SOLAR-TYPE ECLIPSING BINARY COMPONENTS' E.F. MILONE - CALGARY

UK431 'LONG PERIOD VARIABLE STARS' D.J. STICKLAND - ROYAL GREENWICH OBSERVATORY

UK433 'ULTRAVIOLET SPECTRA OF NORMAL SPIRAL GALAXIES' R.S. ELLIS - DURHAM

UK434 'SPATIAL MAPPING OF THE SM/IRR GALAXY NGC 4449' R.S. ELLIS - DURHAM

UK435 'HIGH VELOCITY, LOW EXCITATION KNOTS IN H II REGIONS' J. MEABURN - MANCHESTER

UK436 'UV OBSERVATIONS OF THE MAJOR PLANETS' G.E. HUNT - UNIVERSITY LONDON

UK437 'OBSERVATIONS OF EARLY-TYPE STARS WITH PECULIAR CNO LINE STRENGTHS' P.L. DUFTON - BELFAST

UK438 'THE MASSIVE INTERACTING BINARY SYSTEMS DH CEP AND CC CAS' R.W. HILDITCH - ST. ANDREWS

UK439 'EFFECTIVE TEMPERATURES, ANGULAR DIAMETER AND RADII OF LMC M-S STARS' K. NANDY - ROYAL OBSERVATORY EDINBURGH

UK440 'INTERSTELLAR EXTINCTION AND EARLY-TYPE SUPERGIANTS IN THE LMC' K. NANDY - ROYAL OBSERVATORY EDINBURGH

UK442 'MOTION OF GAS ABOVE PERSEUS ARM AND POSSIBLE GRAIN-LEAKAGE FROM THE GALACTIC PLANE' K. NANDY - ROYAL OBSERVATORY EDINBURGH

UK443 'STUDIES OF HIGH VELOCITY INTERSTELLAR GAS' P.M GONDHALEKAR - RUTHERFORD AND APPLETON LABORATORIES

UK446 'NEAR UV OBSERVATIONS OF THE HIGH REDSHIFT BL LAC OBJECT 0215+015' J.C. BLADES - RUTHERFORD AND APPLETON LABORATORIES

UK447 'ABSORPTION MEASURES OF GAS IN GALACTIC HALOS' D.C. MORTON - ANGLO-AUSTRALIAN OBSERVATORY

UK448 'HIGH RESOLUTION STUDY OF DIFFUSE INTERSTELLAR CLOUDS' J.C. BLADES - RUTHERFORD AND APPLETON LABORATORIES

UK455 'ACTIVE CHROMOSPHERE-CORONAE OF UV CETI FLARE STARS' G.E. BROMAGE - RUTHERFORD AND APPLETON LABORATORIES

UK457 'EXTENDED SURVEY OF HOT AND COLD INTERSTELLAR GAS IN THE INNER HALO' G.E. BROMAGE - RUTHERFORD AND APPLETON LABORATORIES

UK458 'HIGH-RESOLUTION STUDY OF THE MASSIVE WOLF-RAYET BINARY CO CEPHEID' G.E. BROMAGE - RUTHERFORD AND APPLETON LABORATORIES

UK459 'WOLF-RAYET STARS WITH LOW-MASS UNSEEN COMPANIONS' G.E. BROMAGE - RUTHERFORD AND APPLETON LABORATORIES

UK461 'THE EXTENT OF GASEOUS GALACTIC HALO' A. BOKSENBERG UNIVERSITY COLLEGE LONDON

UK463 'THE PHYSICAL STATE OF GAS IN GALACTIC GIANT H II REGIONS' A. BOKSENBERG - UNIVERSITY COLLEGE LONDON

UK464 'A LARGE SCALE SURVEY OF INTERSTELLAR ABSORPTION IN THE GALACTIC HALO' A. BOKSENBERG - UNIVERSITY COLLEGE LONDON

UK465 'ULTRAVIOLET OBSERVATIONS OF SEYFERT 2 GALAXIES' A. BOKSENBERG - UNIVERSITY COLLEGE LONDON

UK466 'IUE OBSERVATIONS OF QSOS, SEYFERT 1 GALAXIES & BL LAC OBJECTS' A. BOKSENBERG - UNIVERSITY COLLEGE LONDON

UK467 'UV SPECTROPHOTOMETRY OF MAGELLANIC CLOUD PLANETARY NEBULA' M.J. BARLOW - UNIVERSITY COLLEGE LONDON

UK468 'UV SPECTROPHOTOMETRY OF NUCLEI OF SOUTHERN PLANETARY NEBULAE' M.J. BARLOW - UNIVERSITY COLLEGE LONDON

UK470 'PLANETARY NEBULAE AND THEIR CENTRAL STARS' M.J. SEATON - UNIVERSITY COLLEGE LONDON

UK472 'OBSERVATION OF THE RESONANCE LINES OF NEUTRAL AND IONIZED HELIUM IN A HIGH REDSHIFT QUASAR' R. WILSON - UNIVERSITY COLLEGE LONDON

UK473 'UV STUDIES OF X-RAY BINARY SOURCES' R. WILSON - UNIVERSITY COLLEGE LONDON

UK474 'A STUDY OF THE ULTRAVIOLET SPECTRA OF QUASARS' R. WILSON - UNIVERSITY COLLEGE LONDON

UK475 'STUDIES OF SEYFERT GALAXIES' R. WILSON - UNIVERSITY COLLEGE LONDON

UK477 'A STUDY OF THE TWIN QUASAR 0956+561 A, B FOR VARIABILITY AND COMPARISON WITH RADIO DATA' R. WILSON - UNIVERSITY COLLEGE LONDON

UK478 'HIGH RESOLUTION STUDIES OF MC OB STARS/INTERSTELLAR GAS AND GALACTIC HALO' A.J. WILLIS - UNIVERSITY COLLEGE LONDON

UK479 'THE STELLAR WINDS OF INTERMEDIATE OF/WN7 STARS' A.J. WILLIS - UNIVERSITY COLLEGE LONDON

UK480 'PROBES OF THE STELLAR WINDS IN WR SPECTROSCOPIC BINARIES (WR+O)' A.J. WILLIS - UNIVERSITY COLLEGE LONDON

UK481 'THREE-PHASE DIAGNOSTICS OF NONTHERMAL AND BINARY EFFECTS IN THE BE STARS' A.J. WILLIS - UNIVERSITY COLLEGE LONDON

UK482 'CHROMOSPHERES AND CORONAE OF STARS ON OR NEAR THE MAIN SEQUENCE' C. JORDAN - OXFORD

UK483 'HIGH RESOLUTION STUDIES OF HYBRID GIANTS AND RELATED STARS' C. JORDAN - OXFORD

UK484 'UV OBSERVATIONS OF PECULIAR BINARIES' D.J. STICKLAND - ROYAL GREENWICH OBSERVATORY

UK486 'UV SPECTRA OF CATACLYSMIC VARIABLES WITH VARIABLE ACCRETION RATES' R.F. JAMESON - LEICESTER

UK487 'STUDIES OF THE QUIET PLAGE COMPONENT OF THE ACTIVE STARS IN RS CVN BINARY SYSTEMS' A.D. ANDREWS - ARMAGH

UK488 'STUDIES OF SPOTS, PLAGES AND FLARES IN BY DRACONIS-TYPE VARIABLE STARS' A.D. ANDREWS - ARMAGH

UK491 'UV SPECTRA OF X-RAY SELECTED ACTIVE GALAXIES' M. WARD - CAMBRIDGE

UK493 'UV SURVEY WITH SIMULTANEOUS OPTICAL OBSERVATIONS OF SOLAR-NEIGHBOURHOOD DM STARS AND FLARE STARS' C.J. BUTLER - ARMAGH

UK494 'MAGNETIC VARIABILITY CYCLES OF LATE TYPE STARS' J.E. BECKMAN - LONDON

MA501 'STUDY OF THE MG II LINE EMISSION IN THE SHORT PERIOD VARIABLE STAR PUPPIS' M. AUVERGNE - NICE

CZ502 'MAGNETIC STRUCTURE OF F, G AND K TYPE STARS' C ZWAAN - UTRECHT

MR503 'THE EXCITING STARS OF EXTRAGALACTIC HII REGIONS' M. ROSA - HEIDELBERG

GH504 'IUE OBSERVATIONS OF X-RAY BINARIES: HIGH RESOLUTION OBSERVATIONS OF SMC X-1' G. HAMMERSCHLAG - AMSTERDAM

JH505 'OBSERVATIONS OF CLUMPY IRREGULAR GALAXIES' J. HEIDMANN - PARIS

GH506 'SHORT TIME VARIATIONS IN THE MASS-LOSS RATE OF EARLY TYPE STARS: THE CASE OF ' CAS' G. HAMMERSCHLAG - AMSTERDAM

MH507 'BP AND HE-POOR STARS BELONGING TO THE GALACTIC DISK AND HALO' M. HACK - TRIESTE

RW508 'OBSERVATIONS OF THE CENTRAL STAR OF A HUGE NEW|NEARBY PN' R. WEINBERGER - INNSBRUCK

SD509 'CARBON ABUNDANCE IN THE GASEOUS PHASE OF M 33' S. D'ODORICO - GARCHING

AH510 'SPECTRAL CLASSIFICATION IN THE ULTRAVIOLET' A. HECK - MADRID

RK511 'NON-LTE ANALYSIS OF SUBDWARF O-STARS' R.P KUDRITZKI - KIEL

MD512 'HYDROGEN LINE RATIOS IN INTERMEDIATE REDSHIFT QUASARS' M. DENNEFELD - PARIS

JB513 'SPECTROPHOTOMETRY OF INTERMEDIATE REDSHIFT QUASARS' J. BERGERON - PARIS

JC514 'A STUDY OF THE VARIABILITY OF BRIGHT SEYFERT I GALAXIES' J. CLAVEL - PARIS

CB515 'SPECTROSCOPY OF SELECTED T TAURI STARS' C. BERTOUT - HEIDELBERG

KF516 'STELLAR MG II LINES' K. FREDGA - STOCKHOLM

DD517 'CORONAL TRANSITION REGION IN THE SOLAR-TYPE STAR BETA HYDRI' D. DRAVINS - LUND

DK518 'SPECTROSCOPY OF WHITE DWARFS WITH HELIUM-RICH ATMOSPHERES' D. KOESTER - KIEL

WE519 'CLASSICAL CEPHEIDS' W. EICHENDORF - GARCHING

JF520 'WARPING AND HALO OF THE LARGE MAGELLANIC CLOUD' J.V. FEITZINGER - BOCHUM

KF521 'LONG-TERM VARIABILITY OF THE LYMAN ALPHA EMISSION FROM JUPITER, SATURN, AND URANUS' K.H. FRICKE - BONN

RK522 'NON-LTE ANALYSIS OF CENTRAL STARS OF PLANETARY NEBULA' R.P. KUDRITZKI - KIEL

RK523 'NON-LTE ANALYSIS OF NITROGEN-RICH MAIN SEQUENCE O-STARS' R.P. KUDRITZKI - KIEL

DS524 'ULTRAVIOLET SPECTROSCOPY OF EXTREME HELIUM STARS' D. SCHOENBERNER - KIEL

WE525 'SHELL STRUCTURES AROUND CLASSICAL CEPHEIDS' W. EICHENDORF - GARCHING

JB526 'SPECTROPHOTOMETRY OF NARROW LINE ACTIVE NUCLEI WITH HIGH EXCITATION LINES AND/OR RADIO EMISSION' J. BERGERON - PARIS

HD527 'INTERACTING CONTACT BINARIES' H. DRECHSEL - BAMBERG

JR528 'UV OBSERVATIONS OF COMETS BRIGHTER THAN 9TH MAGNITUDE AS TARGET OF OPPORTUNITY' J. RAHE - BAMBERG

LM529 'OBSERVATIONS OF X-RAY EMITTING QSOS AND BL LAC OBJECTS' L. MARASCHI - MILANO

HN530 'GALACTIC WOLF-RAYET STARS' H. NUSSBAUMER - ZURICH

MR531 'STUDIES OF THE QUIET AND PLAGE COMPONENT OF THE ACTIVE STARS IN RS CVN BINARY SYSTEMS' M. RODONO - CATANIA

CC533 '"BLUE" GLOBULAR CLUSTERS IN THE LARGE MAGELLANIC CLOUD' C. CACCIARI - MADRID

FP534 'EMISSION, MASS LOSS AND CHROMOSPHERES IN HERBIG AE STARS II' F. PRADERIE - PARIS

HT535 'ULTRAVIOLET STUDIES OF THE SHELLS OF HERBIG AE AND BE STARS' H.R. TJIN A DJIE - AMSTERDAM

FF536 'UV-BRIGHT STARS IN GLOBULAR CLUSTERS' F. FUSI-PECCI - BOLOGNA

SC537 'STELLAR CHROMOSPHERES' S.CATALANO - CATANIA

VB538 'THREE-PHASE DIAGNOSTICS OF NONTHERMAL AND BINARY EFFECTS IN BE STARS' V. DOAZON - PARIS

MG539 'ULTRAVIOLET OBSERVATIONS OF HIGH VELOCITY A TYPE STARS' M. GERBALDI - PARIS

MG540 'ULTRAVIOLET OBSERVATIONS OF CANDIDATE RUNAWAY B TYPE STARS' M. GERBALDI - PARIS

MG541 'ULTRAVIOLET OBSERVATIONS OF BLUE-STRAGGLERS IN OPEN CLUSTERS' M. GERBALDI - PARIS

JL542 'EXTRAGALACTIC H II REGIONS' J. LEQUEUX - PARIS

FP543 'STUDY OF THE TRANSITION ZONE IN LATE A-TYPE STARS' F. PRADERIE - PARIS

BB544 'HIGH RESOLUTION SPECTROSCOPY OF BLUE HALO STARS' B. BASCHEK - HEIDELBERG

AA545 'IUE OBSERVATIONS OF SYMBIOTIC STARS DURING MINIMUM' A. ALTAMORE - ROME

EG546 'UV OBSERVATIONS OF OLD AND YOUNG POPULOUS CLUSTERS IN THE MAGELLANNIC CLOUDS' E. GEYER - BONN

RV547 'COORDINATED ULTRAVIOLET, OPTICAL AND INFRARED OBSERVATIONS OF THE P CYGNI STAR AG CARINAE & ITS RING NEBULA' R. VIOTTI - FRASCATI

VC548 'EVOLVED GLOBULAR CLUSTER STARS' V. CALOI - FRASCATI

VC549 'INTEGRATED SPECTRA OF GLOBULAR CLUSTERS' V. CALOI - FRASCATI

AH550 'ULTRAVIOLET OBSERVATIONS OF WC 10 STARS' A. HECK - MADRID

CE551 'UV OBSERVATIONS OF THE BIPOLAR NEBULA S106' C. EIROA - HEIDELBERG

DP552 'SYMBIOTIC STARS DURING ACTIVITY PHASES' D. PONZ - MADRID

AH553 'AP STARS CLASSIFICATION CRITERIA' A. HECK - MADRID

CC554 'UV OBSERVATIONS OF GLOBULAR CLUSTERS IN THE MAGELLANIC CLOUDS' C. CACCIARI - MADRID

GV555 'CHEMICAL COMPOSITION AND DIFFUSION IN HIGH GRAVITY STARS' G. VAUCLAIR - PARIS

AE556 'OBSERVATIONS OF SEYFERT 1 GALAXIES' A. ELVIUS - STOCKHOLM

IB557 'INTERMEDIATE WHITE DWARFS' I. BUES - BAMBERG

SP558 'EXTINCTION TO PLANETARY NEBULAE' S.R. POTTASCH - GRONINGEN

JK559 'HIGH DISPERSION OBSERVATIONS OF PLANETARY NEBULAE' J. KOPPEN - HEIDELBERG

CC560 'OBSERVATIONS OF INTERACTING GALAXIES' C. CASINI - MILANO

FG561 'UV SPECTRA OF HDE 245770/A 0535+26' F. GIOVANELLI - FRASCATI

JC562 'INVESTIGATION OF THE STELLAR CONTENT OF THE DWARFS BLUE EMISSION LINE GALAXIES' J. CLAVEL - PARIS

PP563 'THE ORION NEBULA' P. PATRIARCHI - MADRID

RS564 'MONITORING UV-VARIABILITY IN FOUR O-STARS' R. STALIO - TRIESTE

LA565 'ULTRAVIOLET SPECTROPHOTOMETRY OF GALACTIC GLOBULAR CLUSTERS II' L. ANGELETTI - ROME

DG566 'STUDY OF PECULIAR BE STARS' D.P. GILRA - GRONONGEN

DG567 'UV OBSERVATIONS OF STARS IN DUSTY HII REGIONS AND REFLECTION NEBULAE' D.P. GILRA - GRONINGEN

HN568 'UV SPECTRA OF ELLIPTICAL GALAXIES' NOORGAARD-NIELSON- COPENHAGEN

WK569 'L/H/P ALPHA/H BETA RATIOS IN ACTIVE GALAXIES' W. KOLLATSCHNY - GOTTINGEN

GK570 'ORBITAL PHASE DEPENDENT UV SPECTROSCOPY OF CATACLYSMIC VARIABLES' G. KLARE - HEIDELBERG

CL571 'THE EXTENT OF A GASEOUS GALACTIC HALO' C. LAURENT - VERRIERES-LE-BUISSON

LP572 'A FAR UV STUDY OF INTERSTELLAR MATTER IN THE SMALL MAGELLANIC CLOUD' L. PREVOT - MARSEILLE

SP573 'MASS-LOSS OF WOLF-RAYET-TYPE CENTRAL STARS OF PLANETARY NEBULAE' S.R. POTTASCH - GRONINGEN

MG574 'K-CORRECTION FOR BRIGHTEST GALAXIES IN CLUSTERS' M. GREWING - TUBINGEN

JK575 'STRUCTURE AND EVOLUTIONARY STATUS OF CATACLYSMIC VARIABLES' J. KRAUTTER - HEIDELBERG

PS576 'CONTINOUS MONITORING OF NOVAE AT MINIMUM DURING ONE COMPLETE ORBITAL CYCLE' P.L. SELVELLI - TRIESTE

PS577 'LOW AND HIGH RESOLUTION OBSERVATIONS OF NOVA AGL 1918 IN THE LWR REGION' P.L. SELVELLI - TRIESTE

DR578 'WINDS AND CORONAE IN RED GIANTS WITH VARIABLE CIRCUMSTELLAR LINES' D. REIMERS - HAMBURG

HR579 'ULTRAVIOLET SPECTROSCOPY OF HZ HER NEAR X-RAY ECLIPSE' H. RITTER - GARCHING

DR580 'MASS-LOSS OF RED GIANTS WITH HOT COMPANIONS AND MASS LOSS CARBON STARS' D. REIMERS - HAMBURG

JP581 'CO COLUM DENSITIES AND ELEMENTAL DEPLETIONS IN NEARBY CLOUDS' J. PAUL - GIF-SUR-YVETTE

FB582 'UV CONTINUUM ENERGY DISTRIBUTION IN THE NUCLEI OF ELLIPTICAL GALAXIES' F. BERTOLA - PADOVA

MC583 'SILICON AUTOIONIZATION FEATURES AND SPECTRAL VARIABILITY IN AP-STARS' H. MAITZEN - WIEN

FB584 'UV ENERGY DISTRIBUTION OF CD GALAXIES' F. BERTOLA - PADOVA

NP586 'UV OBSERVATIONS OF SUPERNOVAE' N. PANAGIA - BOLOGNA

NP587 'UV MAPPING OF THE NUCLEAR REGION OF M 100' N. PANAGIA - BOLOGNA

AB588 'UV OBSERVATIONS OF THE OLD- NOVA GK PER = A0327+43' A. BIANCHINI - PADOVA

OE589 'AN EMISSION MEASURE ANALYSIS OF THE K GIANT BETA CETI AND THE M SUPERGIANT ALPHA ORI' O. ENGVOLD - OSLO

DR590 'ACCRETION DISKS AROUND WHITE DWARFS IN NON-CLOSE BINARY SYSTEMS' D. REIMERS - HAMBURG

GG591 'EXPLORATION OF ULTRAVIOLET SPECTRUM OF YOUNG STARS' G. GAHM - STOCKHOLM

FS592 'CHECK OF STRUCTURE AND EVOLUTION OF POPULATION II STARS' F. SPITE - PARIS

HL593 'THE NATURE AND ORIGIN OF OBN AND OBC STARS' H. LAMERS - UTRECHT

GB594 'INVESTIGATION ON THE BINARY NATURE OF THE RADIO AND X-RAY STAR LSI+61 303' G.F. BIGNAMI - MILANO

MU595 'UV AND OPTICAL OBSERVATIONS OF ACTIVE NUCLEI: A STUDY OF NON-STELLAR CONTINOUS RADIATION' M. ULRICH - GARCHING

CD596 'MASS LOSS AND ANALYSIS OF THE SPECTRUM OF THE HOT BE COMPONENT OF THE PULSATING X=RAY NOVA AO535+262' C. DE LOORE - BRUSSEL

MU597 'CONTINUATION OF THE MONITORING OF THE CONTINUUM AND LINE STRENGTHS OF THE SEYFERT GALAXY NGC 4151' M. ULRICH MUNICH

MC598 'PERIOD-ACTIVITY RELATIONS IN SOLAR TYPE CLOSE BINARIES' O. VILHU - HELSINKI

HS599 'HD 190073 AND OTHER PECULIAR SHELL STARS' H. J. STAUDE - HEIDELBERG

HN600 'PROTO PLANETARY NEBULAE' N. NUSSBAUMER - ZURICH

JB601 'ULTRAVIOLET OBSERVATIONS OF X-RAY SOURCES WITH IUE' J.M. BONNET-BIDAUD - YVETTE

DK602 'OBSERVATIONS OF LOW-REDSHIFT RADIO QUIET QSOS' D. KUNTH - PARIS

MC603 'UV OBSERVATIONS OF GIANT PLANETS AND THEIR SATELLITES' M. COMBES - PARIS

MG604 'DYNAMICAL PROPERTIES OF NEARBY INTERSTELAR GAS' M. GREWING - TUBINGEN

MG605 'STUDY OF TWO EARLY-TYPE STARS IN THE LARGE MAGELLANIC CLOUD EMBEDDED IN THE NEBULOSITY N 144' M. GREWING - TUBINGEN

FQ606 'CARBON STARS SEQUENCE: R TO N STARS' F. QUERCI - PARIS

BW607 'HIGH DISPERSION SPECTROSCOPY OF THE P CYG STAR R 81 OF THE LMC' B. WOLF - HEIDELBERG

PB608 'THE NEARBY INTERSTELLAR MEDIUM' P. BRUSTON - BUISSON

CL609 'INVESTIGATION OF HIGH-VELOCITY COMPONENTS IN THE GREAT CARINA NEBULA' C. LAURENT - BUISSON

MD610 'UV SPECTROSCOPY OF AN EXTREMELY METAL POOR EXTRAGALACTIC SUPERNOVA REMNANT' M.A. DOPITA - SIDING

SD611 'ACTIVE AND QUIESCENT NUCLEI OF SPIRAL GALAXIES' S. D'ODORICO - GARCHING

PB612 'MEASUREMENT OF THE DUST ALBEDO IN THE 2200 A REGION' P. BENVENUTI - ASIAGO

GP613 'UV EMISSION FROM NORMATL BRIGHT SPIRAL GALAXIES' G. PALUMBO - BOLOGNA

PS614 'JETS IN ACTIVE GALACTIC NUCLEI' P. SHAVER - GARCHING

PS615 'OBSERVATIONS OF THE PECULIAR EMISSION LINE STAR 45667' P. SELVELLI - TRIESTE

FOURTH EPISODE NASA APPROVED PROGRAMS

SCDMA 'ULTRAVIOLET SPECTROPHOTOMETRY OF COMETS' M.F. A'HEARN - UNIVERSITY OF MARYLAND

HSDSA 'ABUNDANCES OF THE ELEMENTS IN SHARP-LINED NORMAL LATE B TYPE STARS' S.J. ADELMAN - THE CITADEL

FBDTA 'UV OBSERVATIONS OF THE UNSEEN COMPANION TO ZETA CANCRI C' T.B. AKE - COMPUTER SCIENCES CORPORATION

NPDLA 'STRATIFICATION EFFECTS AND DIAGNOSTICS FOR PLANETARY NEBULAE' L.H. ALLER - UNIVERSITY OF CALIFORNIA, LA

WRDLA 'WIND-WIND INTERACTIONS IN WOLF-RAYET BINARIES' L.H. AUER - PENNSYLVANIA STATE UNIVERSITY

CSDTA 'CALIBRATION OF THE SWP ECHELLE MODE FOR CHROMOSPHERIC EMISSION SOURCES' T.R. AYRES - UNIVERSITY OF COLORADO

CCDTA 'SWP ECHELLE SPECTRA OF CHROMOSPHERICALLY ACTIVE DWARF STARS' T.R. AYRES - UNIVERSITY OF COLORADO

RSDTA 'TIMING CAPELLA IN THE ULTRAVIOLET' T.R. AYRES - UNIVERSTIY OF COLORADO

NPDTB 'THE IONIZATION ABUNDANCE OF C, N, & NE IN PLANETARY NEBULAE' T. BARKER - WHEATON COLLEGE

HRDPB 'SIMULTANEOUS UV AND OPTICAL SPECTROSCOPY AND ZEEMAN D POLARIMETRY OF HELIUM-RICH MAGNETOSPHERES ANDRWIND'DP.BARKER - UNIV. OF WESTERN ONTARIO

WDDWB 'IUE RADIAL VELOCITY STUDIES: WHITE DWARF SYSTEMS' W.T. BEAVERS - IOWA STATE UNIVERSITY

IMDGB 'ULTRAVIOLET SPECTROSCOPY OF YOUNG COMPACT REGIONS IN DENSE MOLECULAR CLOUDS' G.N. BLAIR - ELECTRO-MAGNETIC APPLICATIONS

QSDAB 'UV OBSERVATIONS OF SEYFERT GALAXIES' A. BOGGESS -GSFC

HZDAB 'OBSERVATION OF THE RESONANCE LINES OF NEUTRAL & IONIZED HELIUM IN A HIGH REDSHIFT QUASAR' - A. BOGGESS - GSFC

ZADAB 'A STUDY OF TEMPORAL VARIATIONS IN THE SPECTRUM OF HM SGE' A. BOGGESS - GSFC

HHDKB 'HERBIG-HARO OBJECTS' K.H. BOHM - UNIVERSITY OF WASHINGTON

CBDEB 'SEARCH FOR WHITE DWARF COMPANIONS OF STARS WITH PECULIAR PROCESS AND CNO ABUNDANCES' E. BOHM-VITENSE - UNIVERSITY OF WASHINGTON

CVDHB 'A SEARCH FOR CATACLYSMIC BINARIES CONTAINING STRONGLY MAGNETIC WHITE DWARFS' H.E. BOND - LOUISIANA STATE UNIVERSITY

RSDCB 'A STUDY OF RS CVN STARS IN THE ULTRAVIOLET' C.S. BOWYER - UNIVERSITY OF CALIFORNIA BERKELEY

CSDCB 'MAGNETIC VARIABILITY IN XI BOOTES A' C.S. BOWYER - UNIVERSITY OF CALIFORNIA BERKELEY

FBDCB 'HIGH DISPERSION OBSERVATION OF HZ 43' C.S. BOWYER - UNIVERSITY OF CALIFORNIA BERKELEY

IMDFB 'THE INTERSTELLAR MEDIUM WITHIN 50PC OF THE SUN THROUGH OBSERVATIONS OF WHITE DWARFS' F. BRUHWEILER - CSC

SPDJC 'SOLAR SYSTEM INVESTIGATIONS WITH THE IUE SATELLITE' J. CALDWELL - STONY BROOK

IGDWC 'IUE STUDY OF THE CYGNUS SUPERBUBBLE' W.C. CASH - UNIVERSITY OF COLORADO

GCDAC 'STUDY OF THE UV POPULATION IN GLOBULAR CLUSTERS OF THE MAGELLANIC CLOUDS' A. D. CODE - UNIVERSITY OF WISCONSIN

EGDJC 'THE STELLAR POPULATION OF NORMAL GALAXIES' J.G. COHEN - CALIFORNIA INSTITUTE OF TECHNOLOGY

MLDPC 'MASS LOSS FROM EARLY-TYPE STARS' P.C. CONTI - UNIVERSITY OF COLORADO

CVDFC 'THE DWARF NOVA OUTBURST & X-RAY EMITTING CATACLYSMIC VARIABLE STARS' F. CORDOVA - LOS ALAMOS SCIENTIFIC LABORATORY

IGDLC 'ABSORPTION LINE STUDIES OF GIANT SHELLS IN THE GALACTIC DISK' L.L. COWIE - MASSACHUSETTS INSTITUTE OF TECHNOLOGY

QSDKD 'IUE OBSERVATIONS OF MARKARIAN 359, PARTICULARLY TO DETERMINE POSSIBLE REDDENING' K. DAVIDSON - UNIV. OF MINNESOTA

RADCD 'THE NATURE OF THE RUNAWAY O STARS' C.A. DEAN - S & M SYSTEMS

HSDJD 'ULTRAVIOLET SPECTROSCOPY OF OB+ STARS' J.S. DRILLING - LOUISIANA STATE

IGDAD 'STUDY OF THE LOCAL INTERSTELLAR MEDIUM' A.K. DUPREE - CENTER FOR ASTROPHYSICS

CCDAD 'UV STUDIES OF EVOLVED CHROMOSPHERES & CORONAE IN GIANTS IN THE PRAESEPE CLUSTER' A.K. DUPREE - CENTER FOR ASTROPHYSICS

VVDAD 'CONTINUATION OF ULTRAVIOLET STUDIES OF VV CEPHEI' A.K. DUPREE - CENTER FOR ASTROPHYSICS

QSDAD 'UV OBSERVATIONS OF THE VARIABILITY OF THE DOUBLE QUASAR 0957+561 A, B' A.K. DUPREE - CENTER FOR ASTROPHYSICS

CBDJE 'CHROMOSPHERIC EMISSION OF W URSAE MAJORIS STARS' J.A EATON - VANDERBILT UNIVERSITY

WRDJE 'IONIZATION STRUCTURE OF THE EXPANDING ATMOSPHERES OFTHE WOLF-RAYET COMPONENTS OF V444 CYG AND CV SER' J.A. EATON

VANDERBILT

DCDNE 'ULTRAVIOLET SPECTROSCOPY OF THE BINARY CEPHEID SU CYGNI' N.R. EVANS UNIVERSITY OF TORONTO

NPDWF 'OBSERVATIONS OF VARIABLE & EVOLVING PLANETARY OR PROTO-PLANETARY NEBULAE' W.A. FEIBELMAN - GSFC

CBDFF 'MASS DETERMINATION OF EVOLVED & EARLY TYPE STARS' F. FEKEL - GSFC

SCDPF 'OBSERVATIONS OF COMETS WITH IUE' P.D. FELDMAN - JOHNS HOPKINS

QSDMG 'OBSERVATIONS OF VARIABLE X-RAY SEYFERT GALAXIES' M.J. GELLER - CENTER FOR ASTROPHYSICS

CCDMG 'THE TRANSITION REGIONS & CORONAE OF SOLAR-TYPE STARS' M.S. GIAMPAPA - CENTER FOR ASTROPHYSICS

TTDMG 'HIGH DISPERSION, LONG WAVELENGTH STUDIES OF T TAURI STARS' M.S. GIAMPAPA - CENTER FOR ASTROPHYSICS

QSDAG 'QSO EMISSION LINES & IONIZING RADIATION' A.E. GLASSGOLD - NEW YORK UNIVERSITY

BLDAG 'MULTIFREQUENCY OBSERVATIONS OF BL LAC OBJECTS & VIOLENTLY VARIABLE QSOS' A.E. GLASSGOLD - NEW YORK UNIVERSITY

QSDSG 'REDDENING MEASUREMENTS FOR SEYFERT 1 GALAXIES' S.A. GRANDI - UNIVERSITY OF CALIFORNIA LOS ANGELOS

QSDRG 'HIGH REDSHIFT QUASARS' R.F. GREEN - UNIVERSITY OF ARIZONA

FBDRG 'VERY HOT PRE-DEGENERATE & MIXED ATMOSPHERE SUBDWARFS FROM THE PALOMAR-GREEN SURVEY' R.F. GREEN - UNIVERSITY OF ARIZONA

CVDEG 'ULTRAVIOLET STUDIES OF NOVA-LIKE VARIABLES' E.F. GUINAN - VILLANOVA UNIVERSITY

GHDTG 'LONG EXPOSURE OBSERVATIONS OF EXTRAGALACTIC OBJECTS' T. GULL - GSFC

NSDTG 'A VERY YOUNG SUPERNOVA REMNANT IN THE LARGE MAGELLANIC CLOUD' T. GULL - GSFC

EGDJG 'UV ENERGY DISTRIBUTION OF CD GALAXIES' J.E. GUNN - PRINCETON UNIVERSITY

CCDKH 'ROTATIONAL MODULATION & CYCLIC BEHAVIOR OF UV CHROMOSPHERIC EMMISSION IN NEAR-SOLAR TYPE STARS' K. HALLAM - GSFC

NPDJH 'DUST IN PLANETARY NEBULAE' J.P. HARRINGTON - UNIVERSITY OF MARYLAND

MLDLH 'ON THE TEMPERATURE STRUCTURE OF STELLAR WINDS IN COOL STARS' L.W. HARTMANN - CENTER FOR ASTROPHYSICS

RCDJH 'DUST EXTINCTION IN R CRB TYPE STARS' J. HECHT - GSFC

WRDJH 'A STUDY OF SHELL STRUCTURES ASSOCIABLE WITH WOLF-RAYET STARS' J.N. HECKATHORN - COMPUTER SCIENCES CORPORATION

NDDHH 'UV OBSERVATIONS OF THE CONTINUA OF NEBULAE & THEIR EXCITING STARS' H.L. HELFER - UNIVERSITY OF ROCHESTER

DCDAH 'AN INVESTIGATION OF THE BEAT CEPHEID TU CAS' A.A. HENDEN - SASC

CSDGH 'EVOLUTIONARY DECAY OF THE CHROMOSPHERES OF GO-G2 DWARFS' G.H. HERBIG - UNIVERSITY OF CALIFORNIA SANTA CRUZ

MLDPH 'B STAR MASS LOSS DURING STELLAR EVOLUTION' P.W. HODGE - UNIVERSITY OF WASHINGTON

FBDAH 'PHASE-RESOLVED SPECTROPHOTOMETRY OF THE ZZ CETI VARIABLE G 29-38' A.V. HOLM - COMPUTER SCIENCES CORPORATION

CVDAH 'UV STUDY OF UX UMA AND RELATED OBJECTS' A.V. HOLM - COMPUTER SCIENCES CORPORATION

EGDJH 'HOT GALAXIES WITH IUE' J.P. HUCHRA - CENTER FOR ASTROPHYSICS

HSDRH 'ULTRAVIOLET SPECTROSCOPY OF THE BRIGHTEST SUPERGIANTS IN M31 AND M33' R.M. HUMPHREYS - UNIV. OF MINNESOTA

HHDCI 'UV OBSERVATIONS OF PRE-MAIN SEQUENCE EMISSION-LINE STARS' C.L. IMHOFF - UNIVERSITY OF ARIZONA

SCDWJ 'A PROPOSAL FOR COMETARY OBSERVATIONS WITH THE IUE' W.M. JACKSON - HOWARD UNIVERSITY

CCDHJ 'IUE STUDIES OF X-RAY K-M DWARFS' H.M. JOHNSON - LOCKHEED MISSILES & SPACE CO.

CSDHJ 'STUDIES OF THE ULTRAVIOLET SPECTRA OF CARBON STARS' H.R. JOHNSON - INDIANA UNIVERSITY

BPDJJ 'RELATIONSHIP AMONG B TYPE PECULIAR STARS' J. JUGAKU - TOKYO ASTRONOMICAL OBSERVATORY

ZADMK 'UV OBSERVATIONS OF THE PECULIAR EMISSION-LINE RX PUPPIS' M. KAFATOS - GEORGE MASON UNIVERSITY

NPDJK 'CENTRAL STARS OF LARGE PLANETARY NEBULAE' J.B. KALER - UNIVERSITY OF ILLINOIS

XBDTK 'IUE OBSERVATIONS OF X-RAY BINARIES: HIGH RESOLUTION OBSERVATION OF SMC X-1' T.R. KALLMAN - MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CBDAK 'A STUDY OF TIME-DEPENDENT DISK ACCRETION IN DWARF NOVAE' A.L. KIPLINGER - APPLIED RESEARCH & SYSTEMS

BLDYK 'QUASI-SIMULTANEOUS OBSERVATIONS OF BL LAC OBJECTS IN SEVERAL WAVELENGTH REGIONS' Y. KONDO - GSFC

CBDDL 'PECULIAR RED GIANTS: A SEARCH FOR WHITE DWARF COMPANIONS' D.L. LAMBERT - UNIVERSITY OF TEXAS

CVDDL 'UV SPECTROSCOPY OF SYMBIOTIC STARS, RECURRENT & OLD NOVAE D.L. LAMBERT - UNIVERSITY OF TEXAS

FBDJL 'UV SPECTROPHOTOMETRY OF THE MAGNETIC WHITE DWARF GD 229' J.D. LANDSTREET - UNIV. OF WESTERN ONTARIO

SSDAL 'UV SPECTROPHOTOMETRY OF THE STATURNIAN SATELLITES IAPETUS & RHEA' A.L. LANE - JET PROPULSION LABORATORY

CBDJL 'AN ATTEMPT TO DETECT A HOT DEGENERATE COMPANION TO THE DWARF CARBON STAR G77-61' J.W. LIEBERT - UNIV. OF ARIZONA

CCDJL 'CHROMOSPHERES & TRANSITION REGIONS OF THE YOUNG STARS IN THE URSA MAJOR CLUSTER & STREAM' J.L. LINSKY - UNIV. OF COLORADO

FSDJL 'HIGH RESOLUTION SPECTRA OF TWO BRIGHT SPOTTED STARS' J.L. LINSKY - UNIVERSITY OF COLORADO

CSDJL 'HIGH RESOLUTION SPECTRA OF AN EVOLVED SOLAR-LIKE STAR, BETA HYI (G2IV)' J.L. LINSKY - UNIVERSITY OF COLORADO

RSDJL 'STUDIES OF THE QUIET AND PLAGE COMPONENT OF THE ACTIVE STARS IN RS CVN BINARY SYSTEMS' J.L. LINSKY - UNIV. OF COLORADO

NPDSM 'THE CARBON ABUNDANCE IN HIGH-EXCITATION PLANETARY NEBULAE IN THE MAGELLANIC CLOUDS' S.P. MARAN - GSFC

WRDPM 'ECLIPSING AND LOW MASS FUNCITON WOLF-RAYET BINARIES'P. MASSEY - DOMINION ASTROPHYSICAL OBSERVATORY

CBDTM 'OBSERVATIONS OF THETA 1 B ORIONIS USING IUE' T. MATILSKY - RUTGERS UNIVERSITY

SJDDM 'ULTRAVIOLET SPECTORPHOTOMETRY OF THE GALILEAN SATELLITES OF JUPITER' D.L. MATSON - JET PROPULSION LABORATORY

SADDM 'ULTRAVIOLET REFLECTANCE SPECTROSCOPY OF SELECTED ASTEROIDS' D.L. MATSON - JET PROPULSION LABORATORY

MLDGM 'INVESTIGATIVE SURVEY OF MASS FLOW IN SELETED SHORT PEROID BINARIES' G.E. MCCLUSKEY - LEHIGH UNIVERSITY

ZADAM 'ULTRAVIOLET OBSERVATIONS OF M-TYPE SYMBIOTIC STARS' A.G. MICHALITSIANOS - GSFC

SJDHM 'STUDY OF THE JOVIAN AURORAL INTENSITIES & THE TORUS OF IO USING IUE' H.W. MOOS - JOHNS HOPKINS UNIVERSITY

SPDHM 'IUE OBSERVATIONS OF THE SATURN URANUS SYSTEMS IN SUPPORT OF THE VOYAGER MISSION' H.W. MOOS - JOHNS HOPKINS UNIVERSITY

MGDDM 'OBS. OF DISCR CHROMO EM LINE PROF ASYMM & VAR ASYMM IN UV SPECTRA OF LATE-TYPE STARS' D.J. MULLAN - UNIV. OF DELAWARE

CCDRN 'STUDY OF ACTIVE REGIONS OF SOLAR-TYPE DWARFS AS A FUNCTION OF ROTATION AND AGE' R.W. NOYES - CENTER FOR ASTROPHYSICS

APDRP 'UV VARIABILITY OF AP STARS' R.J. PANEK - COMPUTER SCIENCES CORPORATION

HSDRP 'THE ORION NEBULA STAR CLUSTER' R.J. PANEK - COMPUTER SCIENCES CORPORATION

BEDGP 'THREE-PHASE DIAGNOSTICS OF NONTHERMAL AND BINARITY EFFECTS OF BE STARS' G.J. PETERS - UNIV OF SOUTHERN CALIFORNIA

MLDGP 'A STUDY OF MASS LOSS AT POLAR LATITUDES IN BE STARS' G.J. PETERS - UNIVERSITY OF SOUTHERN CALIFORNIA

CBDMP 'INTERACTING CLOSE BINARY STARS OF LONGER PERIOD' M.J. PLAVEC - UNIVERSITY OF CALIFORNIA LA

CSDSP 'IUE OBSERVATIONS OF STARS AND X-RAY SOURCES IN AN X-RAY ACTIVE REGION OF ORION' S.H. PRAVDO - CALIFORNIA INSTITUTE OF TECHNOLOGY

QSDRP 'UV SPECTROPHOTOMETRY OF THE 4000 ANGSTROM TO 2000 ANGSTROM "BUMP"' C. PUETTER - UNIVERSITY OF CALIFORNIA, SAN DIEGO

BPDKR 'OBSERVATIONS OF FOUR HOT PECULIAR AP STARS' K.D. RAKOS - UNIVERSITY OBSERVATORY VIENNA

IMDJR 'ELEMENTAL ABUNDANCES & INTERSTELLAR DUST IN SUPERNOVA REMNANTS' J. RAYMOND - CENTER FOR ASTROPHYSICS

NSDJR 'ULTRAVIOLET OBSERATIONS OF THE CYGNUS LOOP' J. RAYMOND - CENTER FOR ASTROPHYSICS

FSDJR 'STELLAR FLARES' J.C. RAYMOND - CENTER FOR ASTROPHYSICS

QSDWS 'COORD IR OPTICAL, UV, & X-RAY OBSERVATIONS OF HIGH-REDSHIFT QUASAR CONTINUA' W.L.W. SARGENT - CALIFORNIA INSTITUTE

IEDBS 'AN INVESTIGATION OF STARS WITH PECULIAR UV EXTINCTION' B.D. SAVAGE - UNIVERSITY OF WISCONSIN

HSDBS 'A STUDY OF R136 AND RELATED OBJECTS' B.D. SAVAGE - UNIVERSITY OF WISCONSIN

GHDBS 'STUDIES OF GAS IN GALACTIC HALOS' B.D. SAVAGE - UNIVERSITY OF WISCONSIN

CBDSS 'LUMINOUS, EXTENDED ATMOSPHERE STARS IN THE MAGELLANIC CLOUDS' S.N. SHORE - CASE WESTERN RESERVE UNIVERSITY

IGDJS 'IUE SPECTROSCOPIC STUDIES OF INTERSTELLAR MATTER AND STELLAR MASS LOSS' J.M. SHULL - UNIVERSITY OF COLORADO

LGDTS 'A STUDY OF TRANSITION REGION PROPERTIES IN YELLOW GIANTS' T. SIMON - UNIVERSITY OF HAWAII

CSDTS 'ULTRAVIOLET OBSERVATIONS OF YOUNG FIELD STARS' T. SIMON - UNIVERSITY OF HAWAII

CDDMS 'A STUDY OF VARIABLE ULTRAVIOLET EXTINCTION IN HOT STARS WITH CIRCUMSTELLAR DUST SHELLS' M.L. SITKO - UNIV. OF MINNESOTA

BEDAS 'CONTINUED ULTRAVIOLET STUDIES OF BE STARS OF LATER TYPES' A. SLETTEBAK - OHIO STATE UNIVERSITY

QSDHS 'UV SPECTROPHOTOMETRY OF QSOS & SEYFERT GALAXIES' H.E. SMITH - UNIVERSITY OF CALIFORNIA, SAN DIEGO

CSDCS 'IUE OBSERVATIONS OF WEAK G-BAND STARS' C. SNEDEN - UNIVERSITY OF TEXAS

IEDTS 'OBSERVATIONS OF GRAINS IN THE INTERSTELLAR MEDIUM' T.P. SNOW - UNIVERSITY OF COLORADO

HSDTS 'STELLAR WIND VARIABILITY IN OB STARS' T.P SNOW - UNIVERSITY OF COLORADO

IMDTS 'INTERSTELLAR SI IV & CIV ABUNDANCES IN THE LINES OF SIGHT TOWARDS A STARS' T. SNOW - UNIVERSITY OF COLORADO

QSDBS 'IUE OBSERVATIONS OF LYA EMISSION IN BRIGHT MODERATE REDSHIFT QUASARS' B.T. SOIFER - CALIFORNIA INSTITUTE OF TECHNOLOGY

CVDSS 'ULTRAVIOLET OBSERVATIONS OF GALACTIC NOVAE' S. STARRFIELD - ARIZONA STATE UNIVERSITY

ZADRS 'A STUDY OF THE MG II PROFILES IN THE UV SPECTRA OF SYMBIOTIC STARS' R.E. STENCEL - UNIVERSITY OF COLORADO

CSDRS 'SWP HIGH RESOLUTION SPECTRA & EMISSION MEASURE ANALYSIS OF YELLOW BRIGHT GIANTS WITH CORONAE' R.E. STENCEL - UNIV OF COLORADO

LGDRS 'AN EMISSION MEASURE ANALYSIS OF THE HIGH DISPERSION SWP SPECTRA' R.E. STENCEL - UNIVERSITY OF COLORADO

CCDRS 'CHROMOSPHERIC DENSITIES & GEOMETRICAL EXTENSIONS OF LATE-TYPE GIANT & SUPERGIANTS' R.E. STENCEL - UNIV. COLORADO

XSDRS 'VARIABILITY OF CHROMOSPHERIC & TRANSITION REGION UV EMISSION LINES IN X-RAY ACTIVE COOL STARS' R.A. STERN - JP L

CBDPS 'SHORT PERIOD CATACLYSMIC VARIABLES - VY SCL STARS' P. SZKODY - UNIVERSITY OF WASHINGTON

NSDNT 'ABSORPTION LINE STUDIES OF SUPERNOVA REMNANTS IN THE LARGE MAGELLANIC CLOUD' N. THONNARD - CARNEGIE INST. OF WASHINGTON

SJDJT 'JOVIAN ATMOSPHERIC DYNAMICS & PHOTOCHEMISTRY' J.T. TRAUGER - CALIFORNIA INSTITUTE OF TECHNOLOGY

QSDDT 'LYMAN CONTINUUM OBSERVATIONS OF BROAD ABSORPTION LINE QSOS' D.A. TURNSHEK - UNIVERSITY OF ARIZONA

CCDAW 'A STUDY OF THE CHROMOSPHERES, CORONAE AND TRANSITION REGIONS OF MAIN SEQUENCE AND GIANT STARS' A. WALKER - STANFORD

QSDEW 'LUMINOSITY CALIBRATION OF LOW Z QUASARS' E.J. WAMPLER - UNIV. OF CALIFORNIA, SANTA CRUZ

EGDEW 'A STUDY OF THE STELLAR POPULATION OF NGC 5128' E.J. WAMPLER - UNIV. OF CALIFORNIA, SANTA CRUZ

IGDHW 'IUE OBSERVATIONS OF HIGH VELOCITY CLOUDS' H. WEAVER - UNIVERSITY OF CALIFORNIA, BERKELEY

WDDGW 'OBSERVATIONS OF THE ULTRAVIOLET SPECTRA OF CARBON WHITE DWARFS' G.A. WEGNER - PENNSYLVANIA STATE UNIVERSITY

QSDAW 'IUE STUDIES OF ACTIVE GALAXIES' A.S. WILSON - UNIVERSITY OF MARYLAND

DBDAW 'CORRELATION OF FAR-UV EXTINCTION WITH THE STRENGTH OF THE LAMDA 4430 DIFFUSE INTERSTELLAR BAND' A. WITT - UNIV OF TOLEDO

NRDAW 'ILLUMINATING STARS OF REFLECTION NEBULAE OBSERVED BY ANS & TD-1' A.N. WITT - UNIVERSITY OF TOLEDO

BLDDW 'SIMULTANEOUS MULTIFREQUENCY OBSERVATIONS OF BL LACERTAE OBJECTS' D.M. WORRALL - UNIV OF CALIFORNIA, SAN DIEGO

EGDCW 'UV OBSERVATIONS OF THREE SO GALAXIES SUSPECTED TO HAVE HAD RECENT STAR FORMATION' C.C. WU - COMPUTER SCIENCES

FBDCW 'UV OBSERVATIONS OF THE PROBABLE STELLAR REMNANT OF SUPERNOVA AD1006' C.C. WU - COMPUTER SCIENCES CORPORATION

CBDCW 'TARGET OF OPPORTUNITY OBSERVATIONS OF NOVA & X-RAY NOVA' C.C. WU - COMPUTER SCIENCES CORPORATION

GHDDY 'ABSORPTION MEASURES OF GAS IN GALACTIC HALOS' D.G. YORK - PRINCETON UNIVERSITY

IGDDY 'THE EXTENT OF A HOT GASEOUS GALACTIC HALO' D.G. YORK - PRINCETON UNIVERSITY

OD46B '32 CYGNI' R. STENCEL - UNIVERSITY OF COLORADO

OD47B 'BL LAC OBJECTS' K.R.H HACKNEY - WESTERN KENTUCKY UNIVERSITY

OD48B 'EXTINCTION' R.H KOCH - UNIVERSITY OF PENNSYLVANIA

OD49B 'HR 5110' J. LINSKY - UNIVERSITY OF COLORADO

OD50B 'WOLF-RAYET STAR WITH RING NEBULA HD 32402' Y.H. CHU - UNIVERSITY OF CALIFORNIA BERKELEY

OD51B 'ACTIVE MASS TRANSFER PHASE OF U CEPHEI' E.C. OLSON - UNIVERSITY OF ILLINOIS

OD52B 'SEARCH FOR COMPANIONS OF DELTA CEPHEI STARS & POPUL ATION II CEPHEIDS' E. BOHM-VITENSE - UNIVERSITY OF WASHING TON

OD53B 'RY SGR AT MAXIMUM LIGHT' A.V. HOLM - COMPUTER SCIENCES CORPORATION

OD54B 'EPSILON AURIGAE' R. D. CHAPMAN - GSFC

OD55B 'NEAR SOLAR TYPE STARS' K. HALLAM - GSFC

OD56B 'INTERSTELLAR MEDIUM IN THE SOLAR NEIGHBORHOOD' F.C. BRUHWEILER - COMPUTER SCIENCES CORPORATION

OD57B 'TWO CYCLIC V/R VARIABLES' J. SAHADE - INSTITUTO DE ASTRONMIE Y FISICA DE ESPACIO

OD58B 'QSO 1217+023' H.E. SMITH - UNIVERSITY OF CALIFORNIA , SAN DIEGO

OD59B 'GL 618'MS. KWOK - HERZBERG INSTITUTE OF ASTROPHYSICS

OD60B '59 CYGNI' C. GRADY UNIVERSITY OF COLORADO

OD61B 'U CRB' T. HERCZEG - UNIVERSITY OF OKLAHOMA

OD62B 'SUPERGIANTS WITH HOT SECONDARIES' S. PARSONS - GSFC

OD63B 'LOBES OF RADIO GALAXIES' R. HOBBS - GSFC

OD64B 'SOLAR TYPE STARS' B. HAISCH - LOCKHEED MISSILES & S PACE COMPANY, INC.

OD66B 'HR 8752 - HD 21756' E. BOHM-VITENSE UNIVERSITY OF WASHINGTON

OD67B 'ZETA PHE' B. WOOD - UNIVERSITY OF FLORIDA

OD68B 'ANONYMOUS X-RAY SOURCE' W. FEIBELMAN - GSFC

OD69B 'ORION STARS' R.J. PANEK - COMPUTER SCIENCES CORPORATION

OD70B 'PG 1550+191' J. LIEBERT - STEWARD OBSERVATORY

OD71B 'R AQR JET' M. KAFATOS - GEORGE MASON UNIVERSITY

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST	ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
WAVCAL	CBDFF	.			0		98	LWR 11391	H	S	C	000 07	81 233	08 50	G		82/084	E=500X,B=113
WAVCAL	CBDFF	.			0		98	LWR 11391	H	S	C	000 16	81 233	08 52	G		82/084	E=500X,B=113
NULL IMG	CVDSS	.					99	SWP 13694	L			000 00	81 100	00 00	G		81/305	NO COMMENTS
NULL IMG	CVDSS	.					99	LWR 11367	H			000 00	81 231	02 23	G		82/069	C=20,B=8
WAVCAL	DCDNE	.					98	LWR 11327	H	S	C	000 06	81 227	09 58	G		82/069	B=125
WAVCAL	DCDNE	.					98	LWR 11327	H	S	C	000 15	81 227	09 59	G		82/069	B=125
TFLOOD	DCDNE	.					99	LWR 11328	H	S	C	000 06	81 227	10 27	G		82/074	B=138
WAVCAL	DCDNE	.					98	LWR 11331	H	S	C	000 06	81 227	12 56	G		82/068	B=135
WAVECAL	DCDNE	.					98	LWR 11331	H	S	C	000 15	81 227	12 57	G		82/068	B=135
TFLOOD	DCDNE	.					99	LWR 11332	H	S	O	000 06	81 227	13 26	G		82/070	B=145
WAVCAL	DCDNE	.		0.3		F5 IB	98	LWR 11354	H	S	C	000 06	81 229	08 17	G		82/070	E=10-100X
WAVCAL	DCDNE	.		0.3		F5 IB	98	LWR 11354	H	S	C	000 15	81 229	08 18	G		82/070	E=10-100X
TFLOOD	DCDNE	.					99	LWR 11355	H	S	C	000 06	81 229	08 49	G		82/070	NO COMMENTS
NULL	EGDJG	.					99	LWR 11987	L			000 00	81 322	02 47	G		82/159	NO COMMENTS
NULL	EGDJG	.					99	LWR 11997	L			000 00	81 324	03 10	G		82/174	B=27
NULL	GHDDY	.					99	LWP 1309	H			000 00	81 103	00 21	G		82/035	NO COMMENTS
NULL	IGDDY	.					99	LWR 12056	H		O	000 00	81 333	04 01	G		82/178	B=25
NULL IMG	OX3AB	.					99	LWP 1378	H	L	O	000 00	81 328	06 05	G		/	B=40
NULL	OX3AB	.					99	LWR 12055	H	L	O	000 00	81 329	07 08	G		82/178	B=26
NULL	OX3AB	.					99	SWP 15566	H	L	O		81 329	07 20	G		82/178	B=24
UV FLOOD	PHCAL	.		0.0			99	SWP 13632	H			000 49	81 091	00 13	G		81/299	NO COMMENTS
UV FLOOD	PHCAL	.		0.0			99	SWP 13633	L			001 09	81 091	00 44	G		81/299	NO COMMENTS
NULL	PHCAL	.		0.0			99	SWP 13634	L			000 00	81 091	01 11	G		81/299	NO COMMENTS
NULL	PHCAL	.					99	LWP 1298	L			000 00	81 097	03 14	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWP 1299	L			000 00	81 097	03 46	V		/	NOCOMMENTS
UV FLOOD	PHCAL	.					99	LWP 1300	L			001 30	81 097	04 18	V		/	NOCOMMENTS
UV FLOOD	PHCAL	.					99	LWP 1301	L			000 50	81 097	04 59	V		/	NOCOMMENTS
UV FLOOD	PHCAL	.					99	LWP 1302	L			000 10	81 097	05 31	V		/	NOCOMMENTS
UV FLOOD	PHCAL	.					99	LWP 1303	L			000 30	81 097	06 04	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWP 1304	L			000 00	81 097	06 31	V		/	NOCOMMENTS
UV FLOOD	PHCAL	.					99	LWP 1305	L			000 40	81 097	07 02	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWP 1306	L			000 00	81 097	07 29	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWP 1307	L			001 30	81 097	07 59	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWP 1308	L			000 00	81 097	10 04	V		/	NOCOMMENTS
NULL	PHCAL	.					99	LWR 10306	H		O	000 00	81 098	03 08	V		/	NO COMMENTS
NULL	PHCAL	.					99	LWR 10307	H		O	000 00	81 098	03 28	V		/	NO COMMENTS
UV FLOOD	PHCAL	.					99	LWR 10308	L			001 52	81 098	03 56	V		/	NO COMMENTS
UV FLOOD	PHCAL	.					99	LWR 10309	L			005 00	81 098	04 27	V		/	NO COMMENTS
2ND READ	PHCAL	.					99	LWR 10310	L			000 00	81 098	04 44	V		/	NO COMMENTS
TFLOOD	PHCAL	.					99	LWR 10311	L			000 22	81 098	05 12	V		/	NO COMMENTS

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NULL	PHCAL	.					99	SWP 13683	H			000 00	81 099	02 56	V	/	NO COMMENTS
NULL	PHCAL	.					99	SWP 13684	H			000 00	81 099	03 15	V	/	NO COMMENTS
UV FLOOD	PHCAL	.					99	SWP 13685	L			001 49	81 099	03 43	V	/	NO COMMENTS
UV FLOOD	PHCAL	.					99	SWP 13686	L			004 50	81 099	04 12	V	/	NO COMMENTS
2ND READ	PHCAL	.					99	SWP 13687	L			000 00	81 099	04 31	V	/	NO COMMENTS
TFLOOD	PHCAL	.					99	SWP 13688	L			000 15	81 099	05 16	V	/	NO COMMENTS
NULL	PHCAL	.					99	LWR 10319	L			000 00	81 099	11 52	G	81/308	B=25
NULL	PHCAL	.					99	LWR 10320	L			000 00	81 099	12 14	G	81/308	B=28
TFLOOD	PHCAL	.					99	LWR 10321	L			000 07	81 099	12 42	G	81/308	B=95
TFLOOD	PHCAL	.					99	LWR 10322	L			000 07	81 099	13 05	G	81/308	B=90
TFLOOD	PHCAL	.					99	LWR 10323	L			000 07	81 099	13 33	G	81/308	B=93
NULL	PHCAL	.					99	LWR 10340	H		0	000 00	81 102	00 52	G	81/308	NO COMMENTS
WAVCAL	PHCAL	.					98	LWR 10342	L	L	0	000 00	81 102	01 50	G	81/306	C=210,B=26
WAVCAL	PHCAL	.					98	LWR 10342	L	L	0	000 00	81 102	01 50	G	81/306	C=210,B=26
UVFL-60%	PHCAL	.					99	LWR 10400	L	L	0	000 00	81 111	13 19	G	81/320	B=158
UVFL-10%	PHCAL	.					99	LWR 10401	L	L	0	000 00	81 111	13 46	G	81/320	B=45
UVFL140%	PHCAL	.					99	LWR 10402	L	L	0	004 22	81 111	14 11	G	81/320	B=1.4X
UVFL-60%	PHCAL	.					99	LWR 10403	L	L		001 52	81 111	14 39	G	81/323	B=150
NULL IMG	PHCAL	.					99	LWR 10404	L	L		000 00	81 111	15 02	G	81/323	B=25
WAVCAL	PHCAL	.					98	LWR 10483	L	S	C	000 06	81 120	18 13	G	81/327	E=50X
WAVCAL	PHCAL	.					98	LWR 10483	L	S	C	000 00	81 120	18 15	G	81/327	E=50X
WAVCAL	PHCAL	.					98	LWR 10484	H	S	C	000 06	81 120	18 40	G	81/327	E=50X
WAVCAL	PHCAL	.					98	LWR 10484	H	S	C	000 15	81 120	18 41	G	81/327	E=50X
TFLOOD	PHCAL	.					99	LWR 10485	L			000 06	81 120	19 09	G	81/328	NO COMMENTS
WAVCAL	PHCAL	.					98	SWP 13852	L	S	C	000 01	81 120	19 36	G	81/327	E=50X
WAVCAL	PHCAL	.					98	SWP 13852	L	S	C	000 04	81 120	19 38	G	81/327	E=50X
WAVCAL	PHCAL	.					98	SWP 13853	H	S	C	000 00	81 120	20 01	G	82/005	NO COMMENTS
WAVCAL	PHCAL	.					98	SWP 13853	H	S	C	000 00	81 120	20 03	G	82/005	NO COMMENTS
WAVCAL	PHCAL	.					98	SWP 13854	H	S	C	000 00	81 120	22 05	G	81/327	E=50X
WAVCAL	PHCAL	.					98	SWP 13854	H	S	C	000 00	81 120	22 07	G	81/327	E=50X
TFLOOD	PHCAL	.					99	SWP 13855	H	S		000 05	81 120	22 34	G	81/328	NO COMMENTS
UV FLOOD	PHCAL	.					99	LWR 10486	L			001 53	81 120	23 00	G	81/328	NO COMMENTS
UV FLOOD	PHCAL	.					99	LWR 10487	L			000 18	81 120	23 31	G	81/328	NO COMMENTS
UV FLOOD	PHCAL	.					99	SWP 13932	L			000 01	81 128	21 48	G	81/348	NO COMMENTS
NULL	PHCAL	.					99	LWR 10637	L			000 00	81 137	23 05	G	81/350	B=25
NULL	PHCAL	.					99	LWR 10638	L			000 00	81 137	23 29	G	81/350	B=28
NULL	PHCAL	.					99	LWP 1312	L			000 00	81 139	00 56	V	/	NO COMMENTS
NULL	PHCAL	.					99	LWP 1313	L			000 00	81 139	02 48	V	/	NO COMMENTS
	PHCAL	.					99	LWP 1314	L			001 29	81 139	03 21	V	/	NO COMMENTS
CALUV	PHCAL	.					99	LWP 1315	L			006 29	81 139	03 57	V	/	NO COMMENTS

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
CALUV	PHCAL	.					99 LWP	1316	L			003 00	81 139	04 36	V	/	NO COMMENTS
CLUV	PHCAL	.					99 LWP	1317	L			005 00	81 139	05 13	V	/	NO COMMENTS
CALUV	PHCAL	.					99 LWP	1318	L			001 29	81 139	06 03	V	/	NO COMMENTS
CALUV	PHCAL	.					99 LWP	1319	L			002 00	81 139	06 42	V	/	NO COMMENTS
NULL	PHCAL	.					99 LWP	1320	H			000 00	81 141	16 23	G	81/348	B=40
WAVCAL	PHCAL	.					98 SWP	14018	H	S	C	000 04	81 141	20 15	G	81/355	E=255,B=120
WAVCAL	PHCAL	.					98 SWP	14018	H	S	C	002 00	81 141	20 17	G	81/355	E=255,B=120
WAVCAL	PHCAL	.					98 SWP	14019	L	S	C	000 04	81 141	20 42	G	81/355	E=255,B=110
WAVCAL	PHCAL	.					98 SWP	14019	L	S	C	000 01	81 141	20 44	G	81/355	E=255,B=110
TFLOOD	PHCAL	.					99 SWP	14020	L			000 04	81 141	21 09	G	81/361	B=110
WAVCAL	PHCAL	.					98 LWR	10669	H	S	C	000 00	81 141	21 20	G	81/355	E=255,B=120
WAVCAL	PHCAL	.					98 LWR	10669	H	S	C	000 00	81 141	21 21	G	81/355	E=255,B=120
WAVCAL	PHCAL	.					98 LWR	10670	L	S	C	000 06	81 141	21 44	G	81/355	E=255,B=90
WAVCAL	PHCAL	.					98 LWR	10670	L	S	C	000 00	81 141	21 46	G	81/355	E=255,B=90
TFLOOD	PHCAL	.					99 LWR	10671	L		C	000 06	81 141	22 12	G	81/361	B=150
NULL	PHCAL	.					99 LWR	10672	L			000 00	81 141	22 37	G	81/351	B=29
NULL	PHCAL	.					99 LWR	10673	L			000 00	81 141	23 05	G	81/351	B=29
NULL	PHCAL	.					99 LWR	10674	L			000 00	81 141	23 26	G	81/351	B=29
NULL	PHCAL	.					99 LWR	10678	H			000 00	81 142	19 52	G	81/361	B=28
NULL	PHCAL	.					99 LWP	1324	L			000 00	81 142	23 58	V	/	NO COMMENTS
CALUV	PHCAL	.					99 LWP	1327	L			001 30	81 143	05 13	V	/	NO COMMENTS
NULL	PHCAL	.					99 LWP	1328	L			000 00	81 143	05 42	V	/	NO COMMENTS
CALUV	PHCAL	.					99 LWP	1329	L			003 45	81 143	06 17	V	/	NO COMMENTS
CALUV	PHCAL	.					99 LWP	1330	L			002 30	81 143	06 54	V	/	NO COMMENTS
NULL	PHCAL	.					99 SWP	14058	H		O	000 00	81 145	08 48	G	81/362	B=21
NULL	PHCAL	.					99 SWP	14059	H		O	000 00	81 145	09 10	G	81/362	B=23
UV FLOOD	PHCAL	.					99 SWP	14060	H		O	001 49	81 145	09 54	G	81/362	B=138
UV FLOOD	PHCAL	.					99 SWP	14061	H		O	000 09	81 145	10 25	G	81/362	B=32
UV FLOOD	PHCAL	.					99 SWP	14062	H		O	004 33	81 145	10 53	G	81/362	B=1.5X
UV FLOOD	PHCAL	.					99 SWP	14063	H		O	000 18	81 145	11 26	G	81/362	B=40
UV FLOOD	PHCAL	.					99 SWP	14064	H		O	001 49	81 145	11 54	G	81/362	B=143
NULL	PHCAL	.					99 SWP	14065	H		O	000 00	81 145	12 25	G	81/362	B=22
WAVCAL	PHCAL	.					98 LWR	10845	L	S	C	000 06	81 164	18 08	G	82/011	E=50X,B=90
WAVCAL	PHCAL	.					98 LWR	10845	L	S	C	000 00	81 164	18 09	G	82/011	E=50X,B=90
WAVCAL	PHCAL	.					98 LWR	10846	H	S	C	000 00	81 164	18 35	G	82/011	E=50X,B=125
WAVCAL	PHCAL	.					98 LWR	10846	H	S	C	000 00	81 164	18 36	G	82/011	E=50X,B=125
T FLOOD	PHCAL	.					99 LWR	10847	H		C	000 06	81 164	19 18	G	82/010	B=115
WAVCAL	PHCAL	.					98 SWP	14248	L	S	C	000 04	81 164	19 44	G	82/003	E=10-50X,B=100
WAVCAL	PHCAL	.					98 SWP	14248	L	S	C	000 01	81 164	19 45	G	82/003	E=10-50X,B100
WAVCAL	PHCAL	.					98 SWP	14249	H	S	C	000 04	81 164	20 06	G	82/003	E=50X,B=130

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
WAVCAL	PHCAL	.					98 SWP	14249	H	S	C	002 00	81 164	20 07	G	82/003	E=50X,B=130
T FLOOD	PHCAL	.					99 SWP	14250	H		O	000 04	81 164	20 35	G	82/010	B=110
NULL	PHCAL	.					99 SWP	14282	L			000 00	81 171	08 16	G	82/014	B=16
NULL	PHCAL	.					99 SWP	14283	L			000 00	81 171	08 54	G	82/014	B=16
NULL	PHCAL	.					99 SWP	14284	L			000 00	81 171	08 54	G	82/011	B=14
NULL	PHCAL	.					99 SWP	14285	L			000 00	81 171	09 35	G	82/014	B=22
NULL	PHCAL	.					99 SWP	14286	L			000 00	81 171	10 07	G	82/014	B=15
NULL	PHCAL	.					99 SWP	14287	L			000 00	81 171	10 39	G	82/014	B=15
TFLOOD	PHCAL	.					99 LWR	10915	L			000 08	81 172	07 44	G	82/024	B=115
TFLOOD	PHCAL	.					99 LWR	10916	L			000 07	81 172	08 09	G	82/024	B=120
TFLOOD	PHCAL	.					99 LWR	10917	L			000 21	81 172	08 37	G	82/024	B=2X
TFLOOD	PHCAL	.					99 LWR	10918	L			000 21	81 172	09 01	G	82/024	B=2X
WAVCAL	PHCAL	.					98 SWP	14373	L	S	C	000 04	81 182	16 21	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 SWP	14373	L	L	C	000 01	81 182	16 22	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 SWP	14374	H	L	C	000 04	81 182	16 45	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 SWP	14374	H	L	C	002 00	81 182	16 46	G	82/025	E=10-100X
TFLOOD	PHCAL	.					99 SWP	14375	H	L	C	000 15	81 182	17 14	G	82/033	NO COMMENTS
WAVCAL	PHCAL	.					98 LWR	10982	L	S	C	000 06	81 182	17 37	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 LWR	10982	L	L	C	000 00	81 182	17 39	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 LWR	10983	H	S	C	000 06	81 182	18 01	G	82/025	E=10-100X
WAVCAL	PHCAL	.					98 LWR	10983	H	L	C	000 15	81 182	18 03	G	82/025	E=10-100X
TFLOOD	PHCAL	.					99 LWR	10984	H			000 07	81 182	18 30	G	82/033	NO COMMENTS
NULL	PHCAL	.					99 LWP	1341	L		O	000 00	81 189	16 35	G	82/035	B=50
NULL	PHCAL	.					99 LWR	11077	L			000 00	81 198	07 25	G	82/046	B=25
UV FLOOD	PHCAL	.					99 LWR	11078	L	L	O	001 53	81 198	07 57	G	82/046	B=135
UV FLOOD	PHCAL	.					99 LWR	11079	L	L	O	000 37	81 198	08 30	G	82/046	B=56
UV FLOOD	PHCAL	.					99 LWR	11080	L			001 53	81 198	09 00	G	82/046	B=105
WAVCAL	PHCAL	.		0.0			98 LWR	11150	L	S	C	000 01	81 207	16 52	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 LWR	11150	L	S	C	000 02	81 207	16 54	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 LWR	11151	H	S	C	000 16	81 207	17 17	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 LWR	11151	H	S	C	000 15	81 207	17 19	G	82/046	E=50X
TFLOOD	PHCAL	.		0.0			99 LWR	11152	H			000 06	81 207	17 45	G	82/049	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 SWP	14563	L	S	C	000 02	81 207	18 13	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 SWP	14563	L	S	C	000 01	81 207	18 15	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 SWP	14564	H	S	C	001 59	81 207	18 37	G	82/046	E=50X
WAVCAL	PHCAL	.		0.0			98 SWP	14564	H	S	C	002 00	81 207	18 39	G	82/046	E=50X
TFLOOD	PHCAL	.		0.0			99 SWP	14565	H			000 04	81 207	19 06	G	82/049	NO COMMENTS
NULL	PHCAL	.		0.0			99 LWP	1344	L				81 218	11 59	G	82/066	B=68
WAVECAL	PHCAL	.					98 SWP	14726	H	S	C	000 40	81 223	19 03	V	/	NO COMMENTS
TFLOOD	PHCAL	.					98 SWP	14726	H	S	C	000 39	81 223	19 04	V	/	NO COMMENTS

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
WAVCAL	PHCAL	.		0.0			98 SWP	15142	L	S	C	000 05	81 274	08 04	G	82/116	NO COMMENTS
WAVCAL	PHCAL	.					98 SWP	15142	S	L	C	000 00	81 274	08 04	G	82/116	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 SWP	15143	H	S	C	000 05	81 274	08 37	G	82/117	NO COMMENTS
WAVCAL	PHCAL	.					98 SWP	15143	S	H	C	000 00	81 274	08 37	G	82/117	NO COMMENTS
TFLOOD	PHCAL	.					99 SWP	15144	H	S	0	000 05	81 274	09 33	G	82/117	B=113
NULL	PHCAL	.					99 LWP	1357	H			000 00	81 284	15 44	V	/	NO COMMENTS
WAV CAL	PHCAL	.					98 LWP	1361	L	S	C	000 24	81 284	18 56	V	/	NO COMMENTS
WAV CAL	PHCAL	.					98 LWP	1361	L	S	C	000 24	81 284	18 58	V	/	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 LWR	11757	L	L	C	000 07	81 285	06 36	G	82/123	E=50X,B=85
WAVCAL	PHCAL	.		0.0			98 LWR	11757	L	S	C	000 01	81 285	06 37	G	82/123	E=50X,B=85
WAVCAL	PHCAL	.		0.0			98 LWR	11758	H	L	C	000 07	81 285	07 01	G	82/123	E=50X,B=150
WAVCAL	PHCAL	.		0.0			98 LWR	11758	H	S	C	000 16	81 285	07 02	G	82/123	E=50X,B=150
TFLOOD	PHCAL	.		0.0			99 LWR	11759	H		C	000 07	81 285	07 30	G	82/131	B=150
WAVCAL	PHCAL	.		0.0			98 LWP	1362	L	S	C	000 25	81 285	08 58	G	82/130	E=50X,B=110
WAVCAL	PHCAL	.		0.0			98 LWP	1362	L	S	C	000 01	81 285	09 00	G	82/130	E=50X,B=110
NULL	PHCAL	.		0.0			99 LWR	11879	L			000 00	81 305	00 00	G	82/147	NO COMMENTS
TFLOOD	PHCAL	.		0.0			98 LWR	11876	H	S	C	000 07	81 305	09 38	G	82/151	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 LWR	11876	H	S	C	000 16	81 305	09 40	G	82/151	NO COMMENTS
TFLOOD	PHCAL	.		0.0			98 LWR	11877	L	S	C	000 07	81 305	10 08	G	82/151	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 LWR	11877	L	S	C	000 01	81 305	10 10	G	82/151	NO COMMENTS
TFLOOD	PHCAL	.		0.0			99 LWR	11878	L	L	C	000 07	81 305	10 39	G	82/159	NO COMMENTS
TFLOOD	PHCAL	.		0.0			98 SWP	15357	L	S	C	000 05	81 305	10 55	G	82/154	NO COMMENTS
WAVCAL	PHCAL	.		0.0			98 SWP	15357	L	S	C	000 02	81 305	10 57	G	82/154	NO COMMENTS
SFTYREAD	PHCAL	.					99 LWP	1366	H		0	000 00	81 313	05 50	G	82/151	B=43
WAV CAL	PHCAL	.					98 SWP	15461	L	S	C	000 05	81 313	10 10	G	82/151	E=50X,B=106
WAV CAL	PHCAL	.					98 SWP	15461	L	S	C	000 02	81 313	10 12	G	82/151	E=50X,B=106
WAV CAL	PHCAL	.					98 SWP	15462	H	S	C	000 05	81 313	10 36	G	82/151	E=50X,B=130
WAV CAL	PHCAL	.					98 SWP	15462	H	S	C	002 00	81 313	10 38	G	82/151	E=50X,B=130
T-FLOOD	PHCAL	.					99 SWP	15463	H		C	000 05	81 313	11 08	G	82/159	B=110
NULL	PHCAL	.		5.77			99 LWR	12010	L	L	0	000 00	81 325	08 47	G	82/172	B=20
TFLOOD	PHCAL	.		5.77			99 LWR	12011	H	L	0	000 07	81 325	09 09	G	82/172	B=87
TFLOOD	PHCAL	.		5.77			99 LWR	12012	H	L	0	000 22	81 325	09 31	G	82/172	B=195
NULL	PHCAL	.		5.77			99 LWR	12013	H	L	0	000 00	81 325	09 54	G	/	C=22,B=22
NULL	PHCAL	.		5.77			99 LWR	12014	H	L	0	000 00	81 325	10 15	G	82/172	C=22,B=22
T FLOOD	PHCAL	.		5.77			99 LWR	12015	H	L	0	000 07	81 325	10 39	G	82/172	C=140,B=140
T FLOOD	PHCAL	.		5.77			99 LWR	12016	H	L	0	000 22	81 325	11 02	G	82/172	NO COMMENTS
NULL	RPSTD	.					99 LWR	11749	L		0	000 00	81 284	09 43	G	82/122	B=24
NULL	SPDJC	.			O		99 LWR	11041	H	S	0	000 00	81 191	11 26	G	82/041	C=20,B=20
NULL	TTDMG	.		10.8		G5 IV	99 SWP	14559	L			000 00	81 207	06 08	G	82/045	NO COMMENTS
TFLOOD	VILSP	.					98 LWR	11294	H	L	C	000 07	81 223	20 14	V	/	NO COMMENTS

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	OBSERVATION DATE HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
WAVECAL	VILSP	.					98 LWR	11294	H	L	C	000 40	81 223	20 16	V	/	NO COMMENT
TFLOOD	VILSP	.					98 SWP	14728	H	S	C	000 04	81 223	22 17	V	/	NO COMMENTS
WAVECAL	VILSP	.					98 SWP	14728	H	S	C	000 39	81 223	22 18	V	/	NO COMMENTS
TFLOOD	VILSP	.					98 LWR	11295	H	S	C	000 02	81 223	22 50	V	/	NO COMMENTS
WAVCAL	VILSP	.					98 LWR	11295	H	S	C	000 04	81 223	22 51	V	/	NO COMMENTS
TFLOOD	VILSP	.					98 LWR	11297	H	S	C	000 02	81 224	00 55	V	/	NO COMMENTS
WAVCAL	VILSP	.					98 LWR	11297	H	S	C	000 09	81 224	00 57	V	/	NO COMMENTS
SKY BKGD	BLDDW	00 00 00.0	00 00 00				07 LWR	10492	L	L	0	250 00	81 121	09 12	G	81/328	B=50
SKY BKGD	BLDDW	00 00 00.0	00 00 00				07 LWR	10503	L	L	0	345 00	81 122	09 15	G	81/333	B=68
SKY BKGD	BLDDW	00 00 00.0	00 00 00	14.7			07 LWR	11224	L	L	0	400 00	81 215	02 46	G	82/059	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	13988	L	S	0	002 41	81 137	19 56	G	81/357	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14034	L	S	0	031 00	81 143	16 14	G	81/361	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14035	L	S	0	015 00	81 143	17 52	G	81/361	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14037	L	S	0	003 00	81 143	20 31	G	81/361	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14038	L	S	0	002 39	81 143	21 35	G	81/361	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14039	L	S	0	050 00	81 143	22 51	G	81/361	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14159	L	S	0	019 00	81 153	14 38	G	82/004	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14160	L	S	0	035 00	81 153	16 29	G	82/004	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14201	L	S	0	003 00	81 157	14 52	G	82/012	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14202	L	S	0	002 39	81 157	15 57	G	82/005	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14203	L	S	0	031 00	81 157	16 45	G	82/005	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14204	L	S	0	019 00	81 157	18 09	G	82/005	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14205	L	S	0	035 00	81 157	19 55	G	82/007	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14226	L	S	0	031 00	81 160	15 04	G	82/014	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14227	L	S	0	030 00	81 160	16 30	G	82/026	NONE
BACKGRND	CCDKH	00 00 00.0	00 00 00	0.0			07 SWP	14255	L	S	0	003 00	81 165	14 57	G	82/018	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14256	L	S	0	002 39	81 165	16 04	G	82/014	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14257	L	S	0	031 00	81 165	16 53	G	82/014	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14258	L	S	0	035 00	81 165	18 19	G	82/014	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14259	L	S	0	019 00	81 165	20 11	G	82/014	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14302	L	S	0	002 40	81 173	15 58	G	82/025	NO COMMENTS
BACKGRND	CCDKH	00 00 00.0	00 00 00				07 SWP	14303	L	S	0	019 01	81 173	17 26	G	82/025	NO COMMENTS
SKY BKGN	CCDKH	00 00 00.0	00 00 00		4.3	V	07 SWP	15286	L	S	0	033 00	81 291	10 54	G	82/136	NO COMMENTS
SKY BKGN	CCDKH	00 00 00.0	00 00 00	4.7	K4	V	07 SWP	15287	L	S	0	019 00	81 291	12 07	G	82/136	NO COMMENTS
SKY BKGN	CCDKH	00 00 00.0	00 00 00	0.0	G2	V	07 SWP	15288	L	S	0	003 00	81 291	13 25	G	82/136	NO COMMENTS
SKY BKGR	CCDRN	00 00 00.0	00 00 00	6.4	G2	V	07 SWP	15350	L	S	0	120 00	81 304	06 55	G	82/150	E=142,C=160,B=73
SKYBKGRN	CSDHJ	00 00 00.0	00 00 00				07 LWR	11841	L	S	0	120 00	81 298	22 21	G	82/146	NO COMMENTS
SKY BKGN	CSDHJ	00 00 00.0	00 00 00			III	07 LWR	11844	L	S	0	040 00	81 299	08 21	G	82/146	NO COMMENTS
BLNK FLD	CVDHB	00 00 00.0	00 00 00	13.4			07 FES	1341	S	2		020 00	81 222	03 17	G	82/059	NO COMMENTS
SKY BKG	EGDJG	00 00 00.0	00 00 00	12.0			07 LWP	1375	L	L	0	766 00	81 323	13 47	G	82/172	B=110

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
SKY	GHDDY	00	00	00.0	00	00	00				07	LWR 10335	L	L	0	980	00	81	101	02	19	G	81/308	B=128
BACKGRND	GHDDY	00	00	00.0	00	00	00				07	LWP 1311	H	L	0	400	00	81	103	10	09	G	/	NO COMMENTS
SKY BKGD	GHDDY	00	00	00.0	00	00	00				07	LWR 10347	H	L	0	000	00	81	103	21	57	G	81/312	B=175,EXP. 1150 MIN
SKY	GHDTG	00	00	00.0	00	00	00				07	SWP 14393	L	L	0	735	00	81	184	23	05	G	82/033	B=100
SKY	GHDTG	00	00	00.0	00	00	00				07	SWP 14408	L	L	0	840	00	81	186	21	10	G	82/033	B=115
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 14341	L	L	0	160	00	81	178	07	04	G	82/026	B=42
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	LWR 10965	L	L	0	150	00	81	180	06	56	G	82/031	B=40
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 14356	L	L	0	175	00	81	180	10	24	G	82/031	B=50
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 14361	L	L	0	360	00	81	181	06	26	G	82/031	B=65
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 15332	H	L	0	380	00	81	299	23	05	G	82/146	E=130,B=73
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 15332	L	S	0	380	00	81	299	23	06	G	82/146	NO COMMENTS
BACKGRND	HSDRH	00	00	00.0	00	00	00				07	SWP 15336	L	L	0	390	00	81	300	22	56	G	82/146	E=255,B=70
SKY M-33	HSDRH	00	00	00.0	00	00	00	17.1	E0.25	IA	07	SWP 15344	H	L	0	328	00	81	303	00	17	G	82/151	B=80
SKY M-33	HSDRH	00	00	00.0	00	00	00	17.1	E0.25	IA	07	SWP 15344	L	L	0	328	00	81	303	00	18	G	82/151	B=80
BACKGRND	HSDRH	00	00	00.0	00	00	00	16.7	E0.37	IA	07	LWR 11881	L	L	0	340	00	81	305	21	16	G	82/150	B=85
BACKGRND	HZDAB	00	00	00.0	00	00	00				07	LWP 1349	L	L	0	715	00	81	236	20	56	G	82/090	B=90
SKY BKGD	HZDAB	00	00	00.0	00	00	00				07	LWP 1350	L	L	0	360	00	81	237	21	19	G	82/095	B=50
SKY BKGD	HZDAB	00	00	00.0	00	00	00				07	LWP 1351	L	L	0	220	00	81	238	04	43	G	82/090	B=45
BACKGRND	IGDDY	00	00	00.0	00	00	00				07	SWP 15570	H	L	0	840	00	81	329	12	32	G	82/178	B=125
SKY	IGDDY	00	00	00.0	00	00	00				07	SWP 15571	L	L	0	795	00	81	330	13	34	G	82/180	C=150,B=98
BACKGRND	IGDDY	00	00	00.0	00	00	00				07	SWP 15571	L	S	0	795	00	81	330	20	56	G	82/180	C=150,B=98
SKY	IGDDY	00	00	00.0	00	00	00				07	SWP 15573	H	L	0	825	00	81	331	12	14	G	82/180	B=110
BACKGRND	IGDDY	00	00	00.0	00	00	00				07	SWP 15581	L	L	0	740	00	81	332	13	21	G	82/178	E=255,B=90-100
BACKGRND	IGDDY	00	00	00.0	00	00	00				07	SWP 15581	H	S	0	740	00	81	332	13	21	G	82/178	E=255,B=90-100
JUPITER	KF521	00	00	00.0	00	00	00	-1.9			03	SWP 13871	L	L	0	008	00	81	123	01	44	V	/	850
SATURN	KF521	00	00	00.0	00	00	00	0.9			03	SWP 13872	L	L	0	030	00	81	123	03	34	V	/	831
GEO CORN	KF521	00	00	00.0	00	00	00	00.0			03	SWP 13873	L	L	0	026	00	81	123	07	21	V	/	231
URANUS	KF521	00	00	00.0	00	00	00	5.8			03	SWP 14413	L	L	0	059	24	81	187	22	46	V	/	041
URANUS	KF521	00	00	00.0	00	00	00	5.8			03	SWP 14413	L	S	0	125	00	81	187	22	46	V	/	331
N 4762	MC583	00	00	00.0	00	00	00	11.5			00	SWP 13892	L	L	0	391	00	81	125	01	16	V	/	103
N 4762	MC583	00	00	00.0	00	00	00	11.5			00	LWR 10522	L	L	0	367	00	81	125	01	23	V	/	005 SERENDIPITY
NEPTUNE	MC603	00	00	00.0	00	00	00	7.7			03	SWP 14427	L	S	0	000	00	81	189	21	53	V	/	000 EXP CONT AT GSFC
JUPITER	MC603	00	00	00.0	00	00	00	-2.5			03	SWP 14445	H	S	C	000	00	81	191	23	17	V	/	000 EXP ST/END AT GS
SKYBKGND	MLDPH	00	00	00.0	00	00	00				07	LWR 11500	L	L	0	380	00	81	253	00	52	G	82/110	C=160,B=70
BACKGRND	MLDPH	00	00	00.0	00	00	00				07	LWR 11507	L	L	0	350	00	81	254	01	20	G	82/129	C=95,B=65
BACKGRND	NPDSM	00	00	00.0	00	00	00				07	LWR 10682	L	L	0	190	00	81	143	08	46	G	81/361	B=50
BACKGRND	NPDSM	00	00	00.0	00	00	00				07	LWR 10711	L	L	0	050	00	81	146	00	52	G	81/361	B=34
BACKGRND	NPDSM	00	00	00.0	00	00	00				07	SWP 14075	L	L	0	180	00	81	146	02	40	G	81/362	E=255,B=40
SKY	NPDSM	00	00	00.0	00	00	00				07	LWR 10713	L	L		120	00	81	146	07	18	G	81/361	B=42
SKY	NPDSM	00	00	00.0	00	00	00				07	LWR 10714	L	L		110	00	81	146	12	35	G	81/361	B=39

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
SKY BKGD	0D45B	00	00	00.0	00	00	00					07	SWP 13636	H	S	C	410	00	81	091	11	03	G	81	299	C=120,B=80
UNKNOWN	0D48B	00	00	00.0	00	00	00					07	SWP 13869	L	S	0	000	00	81	122	21	37	G	81	326	C=50,B=25
SKY	PHCAL	00	00	00.0	00	00	00					07	LWR 10341	H	L	0	001	49	81	102	01	25	G	81	306	NO COMMENTS
SKY	PHCAL	00	00	00.0	00	00	00					07	LWR 10919	H	L	0	005	00	81	172	10	59	G	82	011	B=22
SKYBKGD	PHCAL	00	00	00.0	00	00	00					07	LWR 11447	H	L	0	030	00	81	243	14	03	G	82	081	B=43
BKGDSKY	PHCAL	00	00	00.0	00	00	00					07	SWP 14869	H	L	0	009	37	81	243	14	06	G	82	081	B=28
SKY BKGD	QSDAB	00	00	00.0	00	00	00					07	LWR 11267	L	L	0	250	00	81	220	03	10	G	82	076	C=40,B=40
BACKGRND	QSDKD	00	00	00.0	00	00	00					07	LWR 10949	L	L	0	360	00	81	177	06	39	G	82	026	B=52
BACKGRND	QSDKD	00	00	00.0	00	00	00					07	LWR 10961	L	L	0	235	00	81	179	06	38	G	82	033	B=40
BACKGRND	QSDKD	00	00	00.0	00	00	00					07	LWR 10980	L	L	0	200	00	81	182	06	29	G	82	033	B=50
BACKGRND	QSDSG	00	00	00.0	00	00	00					07	LWR 11925	L	L	0	205	00	81	309	21	02	G	82	147	C=50,B=50
4 VESTA	SADDM	00	00	00.0	00	00	00	8.2		G2	V	05	LWR 10584	L	L	0	014	00	81	132	15	58	G	81	351	C=260,B=29
20MASSIL	SADDM	00	00	00.0	00	00	00	10.7		G2	V	05	LWR 10598	L	L	0	105	00	81	133	14	50	G	81	351	C=200,B=75
4 VESTA	SADDM	00	00	00.0	00	00	00	7.4		G2	V	05	LWR 10610	L	L	0	020	00	81	134	12	37	G	81	351	C=185,B=30
4 VESTA	SADDM	00	00	00.0	00	00	00	7.4		G2	V	05	LWR 10611	L	L	0	020	00	81	134	14	11	G	81	351	C=205,B=27
20MASSIL	SADDM	00	00	00.0	00	00	00	10.7		G2	V	05	LWR 10612	L	L	0	090	00	81	134	15	29	G	81	351	C=200,B=72
4 VESTA	SADDM	00	00	00.0	00	00	00	7.4		G2	V	05	SWP 13973	L	L	0	120	00	81	135	14	05	G	81	340	C=58,B=42
29 AMPHI	SADDM	00	00	00.0	00	00	00	10.0		G2		05	LWR 10865	L	L	0	052	00	81	166	12	28	G	82	011	NO COMMENTS
29 AMPHI	SADDM	00	00	00.0	00	00	00	10.5				05	LWR 10866	L	L	0	070	00	81	166	14	06	G	82	011	C=180,B=32
29 AMPH.	SADDM	00	00	00.0	00	00	00	10.5		G2	V	05	LWR 10873	L	L	0	070	00	81	167	12	21	G	82	014	C=185,B=33
9 METIS	SADDM	00	00	00.0	00	00	00	11.0		G2	V	05	LWR 10880	L	L	0	075	00	81	168	11	58	G	82	014	C=150,B=33
9 METIS	SADDM	00	00	00.0	00	00	00	11.0		G2	V	05	LWR 10893	L	L	0	086	00	81	169	12	19	G	82	014	C=185,B=43
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04	LWR 10578	L	L	0	017	40	81	132	08	56	G	81	356	C=200,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04	LWR 10579	L	L	0	017	54	81	132	09	43	G	81	355	C=206,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04	LWR 10580	L	L	0	003	15	81	132	10	36	G	81	355	C=211,B=23
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.0		G2	V	04	LWR 10581	L	L	0	003	00	81	132	11	20	G	81	355	C=194,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2	V	04	LWR 10582	L	L	0	003	00	81	132	12	20	G	81	355	C=88,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2	V	04	LWR 10583	L	L	0	018	00	81	132	12	53	G	81	355	C=214,B=30
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.9		G2	V	04	LWR 10585	L	L	0	001	34	81	132	17	16	G	81	351	C=230,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2	V	04	LWR 10586	L	L	0	001	24	81	132	17	54	G	81	351	C=220,B=26
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2	V	04	LWR 10587	L	L	0	002	44	81	132	18	31	G	81	351	C=220,B=26
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2	V	04	LWR 10588	L	L	0	002	14	81	132	19	33	G	81	351	C=221,B=25
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.0		G2	V	04	LWR 10589	L	L	0	003	09	81	132	20	20	G	81	351	C=195,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2	V	04	LWR 10590	H	L	0	075	00	81	132	21	01	G	81	354	C=215,B=54
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2	V	04	LWR 10591	L	L	0	001	54	81	132	22	57	G	81	348	C=180,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2	V	04	LWR 10592	L	L	0	003	49	81	132	23	33	G	81	351	C=1.3X,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2	V	04	LWR 10594	L	L	0	014	44	81	133	08	51	G	81	354	C=215,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2	V	04	LWR 10595	H	L	0	095	00	81	133	10	07	G	81	354	C=220,B=43
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2	V	04	LWR 10596	L	L	0	001	34	81	133	12	20	G	81	354	C=210,B=24
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.5		G2	V	04	LWR 10597	L	L	0	003	00	81	133	13	21	G	81	348	C=205,B=28

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2	V	04 LWR 10599	L	L	0	001	11	81	133	17	36	G	81	351	C=170,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2	V	04 LWR 10600	L	L	0	013	00	81	133	18	31	G	81	351	C=200,B=29
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2	V	04 LWR 10601	L	L	0	013	00	81	133	19	18	G	81	351	C=205,B=35
BACKGRND	SJDDM	00	00	00.0	00	00	00					07 SWP 13968	L	L	0	195	00	81	133	19	22	G	81	336	B=53
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5		G2	V	04 LWR 10613	H	L	0	080	00	81	134	18	03	G	81	351	C=230,B=82
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5		G2	V	04 LWR 10614	L	L	0	002	30	81	134	19	58	G	81	351	C=170,B=25
CALLISTO	SJDDM	00	00	00.0	00	00	00	6		G2	V	04 LWR 10615	L	L	0	005	10	81	134	20	51	G	81	351	C=200,B=32
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2	V	04 LWR 10616	H	L	0	100	00	81	134	21	48	G	81	351	C=165,B=70
JUPITER	SJDDM	00	00	00.0	00	00	00	5.0		G2		04 LWR 10862	L	L	0	021	00	81	166	06	56	G	82	011	E=254,C=190,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2		04 LWR 10863	L	L	0	020	30	81	166	07	45	G	82	011	E=255,C=230,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10864	H	L	0	140	00	81	166	08	42	G	82	011	E=1.5X,C=1.3X,B=58
CALLISTO	SJDDM	00	00	00.0	00	00	00			G2	V	04 LWR 10868	L	L	0	060	30	81	166	20	41	G	82	011	C=165,B=24
CALLISTO	SJDDM	00	00	00.0	00	00	00	5.5		G2		04 LWR 10869	L	L	0	007	00	81	166	21	22	G	82	011	C=1.1X,B=26
EUROPA	SJDDM	00	00	00.0	00	00	00	5.5		G2	V	04 LWR 10870	H	L	0	120	00	81	167	06	43	G	82	014	C=120,B=35
BACKGRND	SJDDM	00	00	00.0	00	00	00					07 SWP 14266	L	L	0	120	00	81	167	06	45	G	82	018	E=194,B=20
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2	V	04 LWR 10871	L	L	0	015	49	81	167	09	40	G	82	014	C=170,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2	V	04 LWR 10872	L	L	0	015	49	81	167	10	34	G	82	018	C=208,B=38
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10882	L	L	0	034	30	81	168	15	14	G	82	014	C=200,B=50
EUROPA	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10883	L	L	0	003	00	81	168	16	52	G	82	025	C=184,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10884	L	L	0	004	48	81	168	17	36	G	82	025	C=245,B=33
EUROPA	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10885	L	L	0	008	00	81	168	18	26	G	82	025	C=2X,B=30
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10886	L	L	0	030	00	81	168	19	28	G	82	025	C=210,B=38
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5.		G2	V	04 LWR 10887	L	L	0	003	00	81	168	20	38	G	82	014	C=178,B=32
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.0		G2	V	04 LWR 10888	L	L	0	007	20	81	168	21	26	G	82	025	C=205,B=32
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2	V	04 LWR 10895	L	L	0	040	00	81	169	15	41	G	82	014	C=202,B=34
EUROPA	SJDDM	00	00	00.0	00	00	00	5.5		G2	V	04 LWR 10896	L	L	0	003	30	81	169	17	16	G	82	014	C=72,B=28
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2	V	04 LWR 10897	L	L	0	040	00	81	169	18	27	G	82	014	C=219,B=35
IO TORUS	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14182	L	L	0	380	00	81	155	06	59	G	82	011	B=82
JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14183	L	L	0	015	00	81	155	16	22	G	82	011	E-173,C=3-5X,B=20
JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14184	L	L	0	015	00	81	155	17	04	G	82	011	E=172,C=3-5X,B=26
JUP NP	SJDHM	00	00	00.0	00	00	00					03 SWP 14185	L	L	0	015	00	81	155	17	46	G	82	011	E=172,C=3-5X,B=26
JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14186	L	L	0	014	00	81	155	20	04	G	82	011	E=144,C=3-5X,B=25
JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14187	L	L	0	014	00	81	155	20	42	G	82	011	E=148,C=3-5X,B=25
JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7				03 SWP 14188	L	L	0	021	00	81	155	21	22	G	82	011	E=162,C=7X,B=23
JUP +25	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 LWR 11117	L	S	0	000	14	81	204	05	01	G	82	049	C=180,B=25
JUPITER	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 SWP 14543	H	L	0	190	00	81	204	05	05	G	82	049	E=2X,C=5X,B=70
JUP -15	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 LWR 11118	L	S	0	000	14	81	204	05	43	G	82	049	C=215,B=24
JUP +25	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 LWR 11119	H	S	0	035	00	81	204	06	25	G	82	049	C=1.5X,B=38
JUP -15	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 LWR 11120	H	S	0	020	00	81	204	07	51	G	82	049	C=1.1X,B=32
JUP CENT	SJDJT	00	00	00.0	00	00	00	-1.6		G2	V	03 LWR 11121	L	S	0	000	14	81	204	08	56	G	82	049	C=195,B=22

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V		SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
JUP GRS	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11122	L	S	D	000 14	81 204	11 18	G	82/049	C=200,B=24
JUP GRS	SJDJT	00 00 00.0	00 00 00	-1.6		*	G2	V	03	LWR 11123	H	S	D	020 00	81 204	11 59	G	82/049	E=146,C=30%X,B=35
JUP+25CM	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11124	H	S	D	020 00	81 204	13 03	G	82/049	E=108,C=30%X,B=35
JUPITER	SJDJT	00 00 00.0	00 00 00				G2	V	03	LWR 11125	H	S	D	080 00	81 204	14 07	G	82/049	E=30%X,C=4X,B=50
JUP-15CM	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11126	H	S	D	080 00	81 204	16 11	G	82/049	E=2X,C=4X,B=65
JUPITER	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	SWP 14544	H	L	D	095 00	81 204	17 34	G	82/049	E=180,C=3X,B=55
JUP + L	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11127	L	S	D	000 29	81 204	18 20	G	82/049	C=1.5X,B=20
JUP +25	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11139	H	S	D	240 00	81 206	05 05	G	82/049	C=12X,B=122
JUPITER	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	SWP 14552	H	L	D	020 00	81 206	10 55	G	82/049	E=120,C=30%,B=45
JUP GRS	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11140	H	L	D	020 00	81 206	11 34	G	82/049	E=115,C=30%,B=40
JUP GRS	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11141	H	S	D	080 00	81 206	12 42	G	82/049	E=3X,C=4X,B=80
JUP-15CM	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11142	H	S	D	235 00	81 206	14 45	G	82/049	E=10X,C=15,B=145
JUPIT +P	SJDJT	00 00 00.0	00 00 00	-1.6			G2	V	03	LWR 11143	L	S	D	000 29	81 206	19 19	G	82/049	E=216,C=160,B=23
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14719	L	L	D	030 00	81 223	03 06	G	82/067	E=123,C=2X,B=25
SAT7"DEC	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14720	L	L	D	038 00	81 223	04 13	G	82/067	E=144,C=2X,B=25
SAT2"DEC	SPDHM	00 00 00.0	00 00 00	+1.2					03	LWR 11285	L	S	D	001 29	81 223	05 03	G	82/067	C=2X,B=27
SAT2"DEC	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14721	L	L	D	168 00	81 223	05 43	G	82/067	E=4X,C=10X,B=60
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	LWR 11286	L	S	D	000 49	81 223	10 53	G	82/067	C=217,B=27
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14722	L	L	D	038 00	81 223	10 58	G	82/067	C=5X,B=36
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	LWR 11287	L	S	D	002 29	81 223	12 16	G	82/067	C=3X,B=26
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14723	L	L	D	034 00	81 223	12 30	G	82/067	C=3-5X,B=32
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	LWR 11288	L	L	D	000 02	81 223	13 49	G	82/067	C=124,B=22
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14724	L	L	D	015 00	81 223	13 52	G	82/067	C=1.5X,B=26
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	LWR 11289	L	L	D	000 49	81 223	14 56	G	82/067	C=3-5X,B=25
SATURN	SPDHM	00 00 00.0	00 00 00	+1.2					03	SWP 14725	L	L	D	027 00	81 223	15 11	G	82/067	C=3X,B=53
NEPTUNE	SPDJC	00 00 00.0	00 00 00	7.5					03	SWP 14423	L	S	D	780 00	81 189	06 01	G	82/035	C=190,B=134
NEPTUNE	SPDJC	00 00 00.0	00 00 00	7.5					03	SWP 14427	L	S	D	815 00	81 189	21 53	G	82/035	C=190,B=126
JUPITER	SPDJC	00 00 00.0	00 00 00	-2.0					03	LWR 11040	H	S	C	735 00	81 190	21 02	G	82/041	C=50X,B=50X
URANUS	SPDJC	00 00 00.0	00 00 00	5.5					03	SWP 14437	L	L	D	070 00	81 191	10 39	G	82/041	C=125,B=44
JUPITER	SPDJC	00 00 00.0	00 00 00	-2.0					03	SWP 14445	H	S	C	625 00	81 191	23 17	G	82/039	C=1.5-2X,B=120
NEPTUNE	SPDJC	00 00 00.0	00 00 00	7.5					03	LWR 11045	L	L	D	075 00	81 192	10 34	G	82/039	C=3-5X,B=40
IAPETUS	SSDAL	00 00 00.0	00 00 00	11.					* 04	LWR 10573	L	L	D	646 00	81 131	09 13	G	81/340	C=225,B=85
BACKGRND	SSDAL	00 00 00.0	00 00 00	+23					07	SWP 13959	L	L	D	340 00	81 131	17 26	G	81/340	B=75
RHEA	SSDAL	00 00 00.0	00 00 00	9.9			G2	V	04	LWR 10602	L	L	D	090 00	81 133	20 32	G	81/354	C=1.5X,B=88
RHEA	SSDAL	00 00 00.0	00 00 00	9.7			G2	V	04	LWR 10603	L	L	D	055 00	81 133	22 47	G	81/348	C=210,B=39
RHEA	SSDAL	00 00 00.0	00 00 00	9.8			G2	V	04	LWR 10608	L	L	D	055 00	81 134	08 37	G	81/354	C=180,B=35
RHEA	SSDAL	00 00 00.0	00 00 00	9.8			G2	V	04	LWR 10609	L	L	D	080 00	81 134	10 11	G	81/351	C=225,B=40
IAPETUS	SSDAL	00 00 00.0	00 00 00	12.3			G2	V	04	LWR 10619	L	L	D	390 00	81 135	08 59	G	81/356	C=190,B=68
RHEA	SSDAL	00 00 00.0	00 00 00	9.9			G2	V	04	LWR 10620	L	L	D	050 00	81 135	20 38	G	81/356	C=105,B=35
RHEA	SSDAL	00 00 00.0	00 00 00	9.9			G2	V	04	LWR 10621	L	L	D	070 00	81 135	22 11	G	81/356	C=165,B=41

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	IAPETOS	SSDAL	00	00	00.0	00	00	00	10.5		G2	V	04	LWR 10867	L	L	D	180	00	81	166	16	32	G	82	011	C=1.1X,B=50
	DIONE	SSDAL	00	00	00.0	00	00	00	10.8		G2		04	LWR 10874	L	L	D	115	00	81	167	14	58	G	82	014	C=185,B=50
	DIONE	SSDAL	00	00	00.0	00	00	00	10.8		G2		04	LWR 10875	L	L	D	210	00	81	167	17	47	G	82	011	C=260,B=65
	RHEA	SSDAL	00	00	00.0	00	00	00	10.4		G2	V	04	LWR 10878	L	L	D	067	00	81	168	06	45	G	82	014	C=200,B=32
	IAPETUS	SSDAL	00	00	00.0	00	00	00	10.5		G2	V	04	LWR 10879	L	L	D	120	00	81	168	08	46	G	82	014	C=255,B=38
	DIONE	SSDAL	00	00	00.0	00	00	00	10.4		G2	V	04	LWR 10891	L	L	D	115	00	81	169	06	48	G	82	014	C=250,B=35
	IAPETUS	SSDAL	00	00	00.0	00	00	00	10.3		G2	V	04	LWR 10892	L	L	D	100	00	81	169	09	34	G	82	014	C=230,B=35
	RHEA	SSDAL	00	00	00.0	00	00	00	9.7		G2	V	04	LWR 10898	L	L	D	090	00	81	169	20	06	G	82	014	C=209,B=43
	ANTIGONE	UK420	00	00	00.0	00	00	00	10.7				05	LWR 11350	L	L	D	100	00	81	228	19	12	V	/		404 4-MIN HTR WARM U
	HERTHA	UK420	00	00	00.0	00	00	00	10.1				05	LWR 11351	L	L	D	050	00	81	228	22	19	V	/		404 4-MIN HTR WARM U
	THISBE	UK420	00	00	00.0	00	00	00	10.9				05	LWR 11352	L	L	D	068	00	81	229	00	34	V	/		304 4-MIN HTR WARM U
	DAPHNE	UK420	00	00	00.0	00	00	00	11.4				05	LWR 11366	L	L	D	342	00	81	230	19	53	V	/		609 4-MIN HTR WARM U
	NEPTUNE	UK436	00	00	00.0	00	00	00	7.7				03	SWP 14423	L	S	D	000	00	81	188	22	24	V	/		000 EXP CONT AT GSFC
	JUPITER	UK436	00	00	00.0	00	00	00	-1.5				03	LWR 11040	H	S	C	000	00	81	190	21	02	V	/		000 EXP CONT AT GSFC
	JUPITER	UK436	00	00	00.0	00	00	00	-1.5				03	SWP 14435	L	S	C	200	00	81	190	21	47	V	/		032 SKY BACKGROUND
	JUPITER	UK436	00	00	00.0	00	00	00	-1.5				03	SWP 14436	L	S	C	085	00	81	191	02	20	V	/		032 SKY BACKGROUND
	HD215835	UK438	00	00	00.0	00	00	00	08.6				06	SWP 14619	L	L	D	003	34	81	213	18	40	V	/		501
	HD215835	UK438	00	00	00.0	00	00	00	08.6				06	LWR 11209	L	L	D	001	16	81	213	19	25	V	/		502
	HD215835	UK438	00	00	00.0	00	00	00	08.6				06	SWP 14620	H	L	D	250	00	81	213	20	06	V	/		503
	HD215835	UK438	00	00	00.0	00	00	00	08.6				06	LWR 11210	H	L	D	085	00	81	214	00	20	V	/		438
	SERENDIP	UK472	00	00	00.0	00	00	00	00.0				00	LWP 1350	L	L	D	360	00	81	237	21	19	V	/		003 READ AT GSFC
	HD218356	UK482	00	00	00.0	00	00	00	4.8				00	SWP 15283	H	L	D	000	00	81	290	09	25	V	/		239 ST/FIN GSFC 1040
HD	225094	NSDJR	00	00	50.0	+63	21	46	6.2	E0.44	B3	IB	23	LWR 10396	H	L	D	030	00	81	110	20	25	G	81	320	C=1.5X,B=43
HD	108	HSCPC	00	03	26.9	+63	24	06	7.5	E0.48	O7		15	LWR 10537	H	L	D	020	00	81	126	18	02	G	81	344	C=230,B=50
HD	108	HSCPC	00	03	26.9	+63	24	06	7.5	E0.48	O7		15	SWP 13910	H	L	D	025	00	81	126	18	31	G	81	344	E=177,C=190,B=60
	MK335	QSDRP	00	03	45.1	+19	55	27					84	LWR 11470	L	L	D	120	00	81	247	11	12	G	82	098	E=2X,C=215,B=46
	MK335	QSDRP	00	03	45.1	+19	55	27	14.0				84	LWR 11479	L	L	D	060	00	81	249	12	35	G	82	095	E=178,C=165,B=55
	MRK 335	QSDSG	00	03	45.1	+19	55	27	13.7				84	SWP 15456	L	L	D	180	00	81	312	20	20	G	82	158	E=2X,C=115,B=43
	MRK 335	QSDSG	00	03	45.1	+19	55	27	13.7				84	LWR 11947	L	L	D	150	00	81	312	23	24	G	82	158	E=224,C=160,B=43,TRL
	H 352	CZ502	00	05	38.0	-02	43	00	6.1				47	LWR 10659	L	L	D	010	00	81	140	01	41	V	/		601
	H 352	CZ502	00	05	38.0	-02	43	00	6.1				47	LWR 10659	L	S	D	004	00	81	140	01	54	V	/		341
	H 352	CZ502	00	05	38.0	-02	43	00	6.1				47	SWP 14000	L	L	D	060	00	81	140	02	02	V	/		541
HD	358	BPDJJ	00	05	47.8	+28	48	52	2.0		B7	III	27	SWP 14953	H	S	D	000	50	81	254	10	19	G	82	101	C=2X,B=43
HD	358	BPDJJ	00	05	47.8	+28	48	52	2.0		B7	III	27	LWR 11510	H	S	D	000	27	81	254	10	47	G	82	101	C=1.5X,B=31
HD	358	BPDJJ	00	05	47.8	+28	48	52	2.0		B7	III	27	SWP 14954	H	S	D	000	40	81	254	10	50	G	82	101	C=2X,B=40
HD	358	BPDJJ	00	05	47.8	+28	48	52	2.0		B7	III	27	LWR 11511	H	S	D	000	20	81	254	11	20	G	82	101	C=210,B=32
	III ZW 2	QSDAB	00	07	56.6	+10	41	46	15.5				84	LWR 10762	L	L	D	145	00	81	153	11	24	G	82	003	E=118,C=118,B=42
	III ZW 2	QSDAB	00	07	56.7	+10	41	47	15.5				84	SWP 14218	L	L	D	410	00	81	159	06	59	G	82	005	E=184,C=110,B=74
HD	232121	CBDMP	00	08	04.0	+54	37	00	9.2	E0.36	A6	III	39	LWR 11214	L	L	D	015	08	81	214	08	43	G	82	056	E=1.5-2X,C=220,B=32
HD	232121	CBDMP	00	08	04.0	+54	37	00	9.2	E0.36	A6	III	39	SWP 14625	L	L	D	030	00	81	214	09	12	G	82	056	E=188,C=190,B=22

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NGC 40	NPDLA	00 10 16.5	+72 14 39	12.7		PN	70	SWP 13919	L	L	0	060 00	81 127 20 13	G	81/344	B=70
NGC 40	NPDLA	00 10 16.5	+72 14 39	12.7		PN	70	LWR 10542	L	L	0	024 00	81 127 21 19	G	81/344	B=40
HD 1522	MGDDM	00 16 53.0	-09 06 00	3.6		K2 III	47	LWR 11763	H	L	0	053 00	81 285 22 50	G	82/126	E=214,C=150,B=45
HD 1581	CCDKH	00 17 37.2	-65 09 30	4.2		G0	44	LWR 10520	H	L	0	010 00	81 124 21 44	G	81/335	E=85,C=250,B=35
HD 1581	CCDKH	00 17 37.2	-65 09 30	4.2		G0	44	SWP 13890	L	L	0	020 00	81 124 22 00	G	81/335	E=93,C=231,B=50
HD 1581	CCDKH	00 17 37.2	-65 09 30	4.2		G0	44	SWP 14036	L	L	0	029 00	81 143 18 46	G	81/361	E=46,C=1.5X,B=60
HD 1581	CCDKH	00 17 37.2	-65 09 30	4.2		G0	44	SWP 14036	L	S	0	029 00	81 143 18 47	G	81/361	E=46,C=1.5X,B=60
HD 1581	CCDKH	00 17 37.2	-65 09 30	4.2		G0	44	LWR 10687	H	L	0	025 00	81 143 19 20	G	81/361	E=157,C=2X,B=82
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0	44	LWR 10799	H	L	0	023 00	81 157 20 53	G	82/005	E=116,1.5X,B=45
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0	44	SWP 14206	L	L	0	026 00	81 157 21 24	G	82/005	E=94,B=20
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0	44	SWP 14206	L	S	0	026 00	81 157 21 25	G	82/005	E=94,B=20
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0 V	44	LWR 10858	H	L	0	026 00	81 165 20 49	G	82/014	E=120,C=2X,B=40
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0 V	44	SWP 14260	L	L	0	029 00	81 165 21 19	G	82/014	E=103,C=1.2X,B=31
HD 1581	CCDKH	00 17 37.3	-65 09 30	4.2		G0 V	44	SWP 14260	L	S	0	029 00	81 165 21 20	G	82/014	E=103,C=1.2X,B=31
PI TUC	IGDDY	00 18 20.5	-69 54 08	5.5	O	B9	22	LWP 1391	H	L	0	010 00	81 331 10 33	G	/	C=175,B=61
PI TUC	IGDDY	00 18 20.5	-69 54 08	5.5	O	B9	22	LWP 1393	H	L	0	010 00	81 332 03 03	G	/	C=175,B=65
PI TUC	IGDDY	00 18 20.5	-69 54 08	5.5	O	B9	22	LWP 1395	H	L	0	010 00	81 333 02 43	G	/	C=170,B=60
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	SWP 15268	L	L	0	120 00	81 288 07 13	G	82/131	E=93,C=123,B=42
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	SWP 15333	L	L	0	120 00	81 300 06 42	G	82/139	E=109,B=135,B=54
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	LWR 11851	H	L	0	120 00	81 300 08 46	G	82/146	E=236,C=255,B=90
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	SWP 15342	L	L	0	180 00	81 302 02 53	G	82/146	E=244,C=165,B=53
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	SWP 15350	L	L	0	120 00	81 304 06 55	G	82/150	E=142,C=160,B=73
HD 1835	CCDRN	00 20 18.0	-12 29 15	6.4		G2 V	44	LWR 11867	H	L	0	070 00	81 304 08 59	G	82/150	E=169,C=200,B=70
H 2151	UK458	00 23 09.0	-77 32 00	2.8			44	LWR 10605	H	L	0	007 00	81 134 05 19	V	/	662
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	LWR 11696	H	L	0	210 00	81 279 03 05	G	82/124	C=230,B=73
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	SWP 15190	L	L	0	025 00	81 279 06 40	G	82/124	E=255,C=220,B=42
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	LWR 11697	L	S	0	015 00	81 279 07 13	G	82/124	C=2X,255,B=45
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	LWR 11697	L	L	0	010 00	81 279 07 39	G	82/124	C=2X,255,B=45
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	SWP 15314	L	L	0	030 00	81 295 22 44	G	82/138	C=47,B=38
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	LWR 11821	H	L	0	360 00	81 295 23 18	G	82/138	C=210,B=60
TU CAS	DCDAH	00 23 36.7	+51 00 13	7.7		F4 IB	53	SWP 15315	L	L	0	030 00	81 296 05 29	G	82/138	C=124,B=26
N 121	CC533	00 24 36.0	-71 49 00	11.3			83	LWR 10914	L	L	0	398 00	81 171 23 09	V	/	309
N 121	CC533	00 24 36.0	-71 49 00	11.2			83	SWP 14304	L	L	0	440 00	81 173 22 26	V	/	303
HD 2905	HSDTS	00 30 07.9	+62 39 21	4.2	EO.41	B1	23	SWP 14872	H	S	0	007 00	81 244 11 06	G	82/090	C=183,B=33
HD 2905	HSDTS	00 30 07.9	+62 39 21	4.2	EO.41	B1	23	SWP 14902	H	S	0	007 00	81 248 08 36	G	82/098	C=250,B=38
HD 2905	HL593	00 30 08.0	+62 39 00	04.2			23	SWP 14845	H	S	0	004 30	81 240 19 29	V	/	501
HD 2905	HSDTS	00 30 08.3	+62 39 21	04.2	EO.41	B1	23	SWP 14939	H	S	0	007 00	81 252 12 39	G	82/095	C=2X,B=45
HD 2905	HL593	00 30 28.0	+62 39 00	04.2			23	SWP 14826	H	S	0	002 40	81 238 22 20	V	/	401
SMCN2	NPDSM	00 30 33.1	-71 58 32	16.4			70	SWP 14078	L	L	0	127 59	81 146 12 33	G	81/361	E=216,B=40
OOOSMCN2	NPDSM	00 30 33.1	-71 58 32				70	LWR 10715	L	L	0	037 00	81 146 15 12	G	81/361	C=40,B=40

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	ZETA CAS	PHCAL	00	34	10.0	+53	37	00	3.7				20	SWP 14277	H	L	0	000	24	81	169	23	51	V	/		500
	ZETA CAS	PHCAL	00	34	10.0	+53	37	00	3.7				20	LWR 10900	H	L	0	000	21	81	169	23	55	V	/		501
HD	3360	PHCAL	00	34	10.3	+53	37	19	3.7		B2	IV	21	SWP 13928	H	L	0	000	23	81	128	17	44	G	81/356		C=205,B=30
HD	3360	PHCAL	00	34	10.3	+53	37	19	3.7		B2	IV	21	LWR 10548	H	L	0	000	20	81	128	17	48	G	81/356		C=215,B=35
HD	3360	PHCAL	00	34	10.3	+53	37	19				IV	21	SWP 14277	H	L	0	000	23	81	169	23	51	V	/		NO COMMENTS
HD	3360	PHCAL	00	34	10.3	+53	37	19				IV	21	LWR 10900	H	L	0	000	20	81	169	23	55	V	/		NO COMMENTS
	HD 3795	UK428	00	38	02.0	-24	04	00	06.1				44	LWR 11386	L	L	0	002	20	81	233	00	11	V	/		602 4-MIN HTR WARM U
PG	0038+199	FBDRG	00	38	57.2	+19	52	51	14.4		0		16	SWP 15518	L	L	0	039	00	81	323	07	45	G	82/172		C=200,B=45
PG	0038+199	FBDRG	00	38	57.2	+19	52	51	14.4		0		16	LWR 11995	L	L	0	060	00	81	323	08	30	G	82/172		C=220,B=95
HD	3919	UK428	00	38	57.9	-46	21	32	4.58		G8	III	44	LWR 11374	L	L	0	002	24	81	232	10	47	G	82/080		C=1.5X,B=25
	OOOSMCN5	NPDSM	00	39	25.3	-73	01	43	16.4				70	SWP 14077	L	L	0	045	00	81	146	10	52	G	81/361		E=113,B=22
	OOOSMCN5	NPDSM	00	39	26.0	-73	01	43	16.4				70	FES 1331	D	2		104	00	81	146	04	24	G	81/351		NO COMMENTS
	OOOSMCN5	NPDSM	00	39	26.0	-73	01	43	16.4				70	SWP 14076	L	L	0	180	00	81	146	06	48	G	81/361		E=199,B=32
PG	0039+135	FBDRG	00	39	39.9	+13	29	15	13.6		0		16	SWP 15519	L	L	0	018	00	81	323	10	35	G	82/172		C=100,B=25
PG	0039+135	FBDRG	00	39	39.9	+13	29	15	13.6		0		16	LWR 11996	L	L	0	044	00	81	323	11	00	G	82/172		C=160,B=38
HD	4004	HSCPC	00	40	30.0	+64	29	19	10.5	E0.85	WN		11	LWR 10536	L	L	0	014	00	81	126	17	01	G	81/335		E=2-3X,C=205,B=35
HD	4004	HSCPC	00	40	30.0	+64	29	19	10.5	E0.85	WN		11	SWP 13909	L	L	0	020	00	81	126	17	23	G	81/335		E=5X,C=110,B=47
HD	4004	HSCPC	00	40	30.0	+64	29	19	10.5	E0.85	WN		11	SWP 13911	L	L	0	004	00	81	126	19	28	G	81/344		E=193,C=50,B=30
HD	4004	HSCPC	00	40	30.0	+64	29	40	10.5	E0.85	WN		11	SWP 13911	L	S	0	004	00	81	126	19	38	G	81/344		E=103,C=50,B=30
	AF AND	HSDRH	00	40	48.7	+40	55	44					61	LWR 11850	L	L	0	420	00	81	299	22	48	G	82/146		C=180,B=73
HD	4128	LGDRS	00	41	04.0	-18	15	39	2.0		K1	III	47	LWR 11372	H	L	0	008	00	81	231	15	57	G	82/081		E=255,C=190,B=30
HD	4128	LGDRS	00	41	04.0	-18	15	39	2.0		K1	III	47	SWP 14786	H	L	0	355	00	81	231	19	34	G	82/080		E=255,C=255,B=127
HD	4128	LGDRS	00	41	04.0	-18	15	39	2.0		K1	III	47	LWR 11373	H	L	0	008	00	81	232	08	58	G	82/081		E-230,C=185,B=33
HD	4128	LGDRS	00	41	04.0	-18	15	39	2.0		K1	III	46	SWP 14787	L	L	0	023	00	81	232	09	26	G	82/080		E=30%X,C=160,B=30
	B CETI	OE589	00	41	04.0	-18	16	00	02.0				47	SWP 14786	H	L	0	795	00	81	231	19	34	V	/		779 READ AT GSFC
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	LWR 11205	L	L	0	000	05	81	212	01	16	V	/		502
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	LWR 11205	L	S	0	000	06	81	212	01	21	V	/		402
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	SWP 14611	L	L	0	000	07	81	212	01	25	V	/		600
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	SWP 14611	L	S	0	000	10	81	212	01	29	V	/		400
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	LWR 11206	H	L	0	004	50	81	212	02	21	V	/		502
	H 4142	VILSP	00	41	39.0	+47	35	00	5.7				21	SWP 14612	H	L	0	005	30	81	212	02	29	V	/		501
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	57	LWR 11316	H	L	0	090	00	81	226	03	52	G	82/081		E=153,C=90,B=40
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	57	SWP 14753	L	L	0	015	00	81	226	05	28	G	82/076		E=67X,C=100,B=23
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	57	SWP 14753	L	S	0	005	00	81	226	05	49	G	82/076		E=240,C=36,B=23
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	49	SWP 15271	H	L	0	360	00	81	289	02	17	G	82/131		E=3X,C=73,B=73
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	57	SWP 15273	L	L	0	015	00	81	289	11	28	G	82/131		E=96,B=27 SRT 2D
HD	4174	ZADRS	00	41	52.0	+40	24	23	7.5		M	III	57	SWP 15273	L	S	0	005	00	81	289	11	48	G	82/131		E=96,B=27
	M31VARA1	HSDRH	00	42	05.5	+41	14	08	16.3	E0.35		IA	61	LWR 11853	L	L	0	430	00	81	300	22	39	G	82/146		C=140,B=62
NGC	246	NPDJK	00	44	32.9	-12	08	44	0.9			SD	70	SWP 14290	L	L	0	000	90	81	171	16	11	G	82/018		C=241,B=13
NGC	246	NPDJK	00	44	32.9	-12	08	44	0.9			SD	70	LWR 10910	L	L	0	005	00	81	171	16	17	G	82/018		C=290,B=32

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 4502	RSDCB	00 44 40.9	+23 59 42				39	SWP 15020	L	L	0	045 00	81 260	14 25	G	82/103	E=137,C=60,B=40
H 4539	BB544	00 44 54.0	+09 42 00	10.3			16	LWR 11138	H	L	0	160 00	81 206	01 05	V	/	605
MKN 348	UK465	00 46 05.0	+31 41 00	14.5			84	LWR 11163	L	L	0	286 00	81 208	23 01	V	/	337
MRK 348	UK466	00 46 05.0	+31 41 00	14.5			84	SWP 14349	L	L	0	330 00	81 179	00 17	V	/	243
BBB280	UK480	00 46 17.0	-73 28 00	2.3			26	SWP 14765	L	L	0	070 00	81 226	22 35	V	/	300
BBB280	UK480	00 46 17.0	-73 28 00	2.3			26	LWR 11324	L	L	0	113 00	81 226	23 54	V	/	405
BD -11 162	QSDWS	00 49 44.1	-10 56 15	11.2		O	16	SWP 14288	L	L	0	004 00	81 171	13 41	G	82/018	C=225,B=18
HD 5303	CCDMG	00 51 26.7	-74 55 23	7.8		G2 V	44	LWR 10274	L	S	0	000 45	81 093	10 44	G	81/302	C=58,B=24
HD 5303	CCDMG	00 51 26.7	-74 55 23	7.8		G2 V	44	LWR 10274	L	L	0	000 45	81 093	10 48	G	81/302	C=75,B=24
HD 5303	CCDMG	00 51 26.7	-74 55 23	7.8		G2 V	44	SWP 13647	L	L	0	120 00	81 093	11 00	G	81/302	E=6X,C=220,B=30
HD 5303	CCDMG	00 51 26.7	-74 55 23	7.8		G2 V	44	LWR 10275	L	L	0	002 15	81 093	13 05	G	81/299	C=120,B=30
HD 5303	CCDMG	00 51 26.7	-74 55 23	7.8		G2 V	44	LWR 10276	L	L	0	002 15	81 093	13 54	G	81/302	C=140,B=22
HD 5303	RSDCB	00 51 27.0	-74 55 23	7.8		FO IV	39	LWR 11569	L	L	0	007 00	81 260	07 37	G	82/103	C=30X,B=25
S 18	CBDSS	00 52 24.0	-72 58 00	12.8		O9	13	SWP 14463	L	L	0	075 00	81 194	13 38	G	82/041	E=208,C=110,B=80
S 18	CBDSS	00 52 24.0	-72 58 00	12.8		O9	13	LWR 11058	L	L	0	050 00	81 194	14 57	G	82/041	C=130,B=55
S 18	CBDSS	00 52 24.0	-72 58 00	12.8		O9	13	SWP 15122	L	L	0	075 00	81 272	10 21	G	82/115	E=250,C=110,B=77
HD 5395	CBDEB	00 53 40.0	+58 54 40	4.7		G8 III	45	SWP 14923	L	L	0	240 00	81 251	03 11	G	82/095	C=90,B=32
HD 5395	CBDEB	00 53 40.0	+58 54 40	4.7		G8 III	45	LWR 11487	H	L	0	080 00	81 251	07 17	G	82/095	C=260,B=40
HD 5394	GH506	00 53 40.0	+60 27 00	2.8			26	SWP 14968	H	L	0	000 08	81 255	16 20	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	2.8			26	SWP 14988	H	L	0	000 08	81 257	16 27	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	2.8			26	SWP 14989	H	L	0	000 08	81 257	17 00	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	02.8			26	SWP 15034	H	L	0	000 08	81 261	16 51	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	02.6			26	SWP 15063	H	L	0	000 08	81 263	22 47	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	02.6			26	SWP 15064	H	L	0	000 08	81 263	23 12	V	/	501
HD 5394	GH506	00 53 40.0	+60 27 00	2.6			59	SWP 15278	H	L	0	000 08	81 289	21 28	V	/	501
HD 5394	RS564	00 53 40.0	+60 27 00	2.6			59	SWP 15299	H	L	0	000 08	81 293	18 07	V	/	501
HD 5394	UK473	00 53 40.0	+60 27 00	02.6			26	SWP 15119	H	L	0	000 08	81 271	19 27	V	/	502
HD 5394	UK473	00 53 40.0	+60 27 00	1.6			26	SWP 15185	H	L	0	000 08	81 278	17 22	V	/	501
HD 5394	UK475	00 53 40.0	+60 27 00	2.6			59	SWP 15254	H	L	0	000 08	81 286	19 51	V	/	501
HD 5394	UK480	00 53 40.0	+60 27 00	2.6			26	SWP 14760	H	L	0	000 06	81 226	18 28	V	/	551
HD 5394	UK480	00 53 40.0	+60 27 00	02.6			26	SWP 15043	H	L	0	000 08	81 262	16 38	V	/	501
H 5394	UK481	00 53 40.0	+60 27 00	2.6			26	SWP 14274	H	L	0	000 06	81 168	01 29	V	/	501
HD 5394	VD538	00 53 40.0	+60 27 00	02.6			20	SWP 15015	H	L	0	000 07	81 259	23 06	V	/	501
HD 5394	BEDGP	00 53 40.2	+60 26 46	02.3		B0	20	SWP 14940	H	S	0	000 07	81 252	13 15	G	82/095	C=160,B=32
HD 5394	BEDGP	00 53 40.3	+60 26 47	2.6	EO.05	B0 IV	26	SWP 14430	H	L	0	000 07	81 190	14 47	G	82/035	C=230,B=40
HD 5394	BEDGP	00 53 40.3	+60 26 47	2.6	EO.05	B0 IV	26	LWR 11036	H	L	0	000 05	81 190	14 51	G	82/035	C=225,B=32
HD 5394	BEDGP	00 53 40.3	+60 26 47	2.6	EO.05	B0 IV	26	SWP 14873	H	S	0	000 07	81 244	11 43	G	82/118	C=140,B=30
HD 5394	BEDGP	00 53 40.3	+60 26 47	2.6	EO.05	B0 IV	26	SWP 15481	H	L	0	000 08	81 316	09 17	G	82/160	C=220,B=36
HD 5394	BEDGP	00 53 40.3	+60 26 47	2.6	EO.05	B0 IV	26	LWR 11963	H	L	0	000 06	81 316	09 22	G	82/160	C=230,B=32
HD 5394	GH506	00 53 41.0	+60 27 00	2.6			26	SWP 15206	H	L	0	000 08	81 281	14 32	V	/	501

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 5394	GH506	00 53 41.0	+60 27 00	2.6			20	SWP 15227	H	L	0	000 08	81 283	16 06	V	/	501
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	SWP 14946	H	S	0	005 00	81 253	10 47	G	82/101	C=2X,B=46
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	LWR 11503	H	S	0	002 30	81 253	11 20	G	82/101	C=235,B=32
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	SWP 14947	H	S	0	004 00	81 253	11 55	G	82/098	C=245,B=37
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	LWR 11504	H	S	0	002 30	81 253	12 06	G	82/098	C=255,B=32
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	LWR 11542	H	S	0	002 30	81 257	11 07	G	82/101	C=208,B=32
HD 5737	BPDJJ	00 56 11.9	-29 37 38	4.3		B8 III	27	SWP 14984	H	S	0	003 30	81 257	11 17	G	82/102	C=215,B=35
HD 5679	CBDMP	00 57 45.0	+81 36 00	6.7	EO.05	B6 V	22	LWR 11213	L	L	0	000 39	81 214	07 12	G	82/056	C=2X,B=26
HD 5679	CBDMP	00 57 45.0	+81 36 00	6.7	EO.05	B6 V	22	LWR 11213	L	S	0	000 49	81 214	07 17	G	82/056	C=245,B=26
HD 5679	CBDMP	00 57 45.0	+81 36 00	6.7	EO.05	B6 V	22	SWP 14624	L	L	0	060 00	81 214	07 21	G	82/056	C=260-265,B=50
HD 5679	CBDMP	00 57 45.0	+81 36 00	6.7	EO.05	B6 V	33	LWR 11237	L	L	0	010 00	81 216	08 04	G	82/062	E=176,C=85,B=25
HD 5679	CBDMP	00 57 45.0	+81 36 00	6.7	EO.05	B6 V	33	SWP 14646	L	L	0	010 00	81 216	08 17	G	82/059	E=67,B=25
HD 5980	GHDBS	00 57 45.9	-72 26 04	11.9	EO.04	O3 IB	13	SWP 15080	H	L	0	290 00	81 266	00 28	G	82/109	E=234,C=205,B=81
HD 5980	GHDBS	00 57 46.0	-72 26 05	11.9	EO.04	O3 IB	13	SWP 15072	H	L	0	286 00	81 265	00 29	G	82/111	E=232,C=200,B=73
HD 5980	WRDPM	00 57 47.0	-72 26 05	11.53		WN	11	LWR 10745	L	L	0	002 29	81 149	20 47	G	81/362	C=115,B=27
HD 5980	WRDPM	00 57 47.0	-72 26 05	11.53		WN	11	SWP 14112	L	L	0	005 00	81 149	20 56	G	81/361	E=270,C=160,B=30
HD 5980	WRDPM	00 57 47.0	-72 26 00	11.5		WN	11	SWP 14135	L	L	0	004 00	81 151	17 27	G	82/003	E=240,C=140,B=32
HD 5980	WRDPM	00 57 47.0	-72 26 00	11.5		WN	11	SWP 14135	L	S	0	002 00	81 151	17 34	G	82/003	E=92,C=60,B=32
HD 5980	WRDPM	00 57 47.0	-72 26 00	11.5	EO.02	WN	11	SWP 14166	L	L	0	003 00	81 154	07 40	G	82/004	E=165,C=140,B=25
NGC 362	IGDDY	01 00 35.9	-71 07 00	15.0		F8	83	LWP 1392	H	L	0	850 00	81 331	12 09	G	/	C=212,B=123
NGC 362	IGDDY	01 00 36.0	-71 07 01	15.0		F8	83	LWP 1394	H	L	0	775 00	81 332	12 48	G	/	C=185,B=100
HD 6269	UK428	01 00 55.0	-29 48 00	06.3			44	LWR 11385	L	L	0	012 00	81 232	23 14	V	/	703 4-MIN HTR WARM U
HD 6980	UK428	01 07 20.7	-46 31 54	9.3		G5	45	LWR 11375	L	L	0	041 00	81 232	11 29	G	82/080	C=140,B=40
HD 6980	UK428	01 07 20.7	-46 31 54	9.3		G5	45	LWR 11376	L	L	0	052 00	81 232	12 45	G	82/081	C=170,B=50
HD 6980	UK428	01 07 20.7	-46 31 54	9.3		G5	45	LWR 11377	L	L	0	048 00	81 232	14 09	G	82/081	C=205,B=65
HD 6980	UK428	01 07 20.7	-46 31 54	9.3		G5	45	LWR 11378	L	L	0	040 00	81 232	15 31	G	82/081	C=225,B=60
HD 6980	UK428	01 07 20.7	-46 31 54	9.3		G5	45	LWR 11379	L	L	0	032 00	81 232	16 46	G	82/081	C=30%X,255,B=39
HD 6980	UK428	01 07 21.0	-46 32 00	08.5			44	LWR 11380	L	L	0	028 00	81 232	17 57	V	/	603 4-MIN HTR WARM U
HD 6980	UK428	01 07 21.0	-46 32 00	08.5			44	LWR 11381	L	L	0	028 00	81 232	19 02	V	/	703 4-MIN HTR WARM U
HD 6980	UK428	01 07 21.0	-46 32 00	08.5			44	LWR 11382	L	L	0	026 00	81 232	20 01	V	/	703 4-MIN HTR WARM U
HD 6980	UK428	01 07 21.0	-46 32 00	08.5			44	LWR 11383	L	L	0	024 00	81 232	20 58	V	/	703 4-MIN HTR WARM U
HD 6980	UK428	01 07 21.0	-46 32 00	08.5			44	LWR 11384	L	L	0	024 00	81 232	21 53	V	/	703 4-MIN HTR WARM U
TO109-38	UK466	01 09 10.0	-38 21 00	13.5			84	SWP 14333	L	L	0	225 00	81 177	01 58	V	/	232
HD 8357	LGDTS	01 20 19.7	+07 09 19	07.3		G5	44	SWP 15225	L	L	0	013 00	81 283	13 30	G	82/122	NO COMMENTS
FAIRALL9	QSDAB	01 21 51.2	-59 03 58	13.2			84	SWP 14157	L	L	0	090 00	81 153	06 26	G	82/003	E=2X,C=120,B=35
FAIRALL9	QSDAB	01 21 51.2	-59 03 58	13.2			84	LWR 10761	L	L	0	105 00	81 153	08 00	G	82/003	E=178,C=160,B=36
FAIRALL9	QSDAB	01 21 51.2	-59 03 58	13.2			84	SWP 14158	L	L	0	060 00	81 153	09 49	G	82/003	E=115,C=80,B=35
HD 8799	CZ502	01 24 39.0	+45 09 00	04.8			41	SWP 14876	L	L	0	070 00	81 244	16 32	V	/	741
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	SWP 14334	L	L	0	400 00	81 177	06 35	G	82/026	E=5X,C=140,B=84
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	SWP 14350	L	L	0	265 00	81 179	06 37	G	82/024	E=238X,C=100,B=60

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	LWR 10962	L	L	0	150 00	81 179 11 04	G	82/024	E=133,C=105,B=61
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	SWP 14368	L	L	0	250 00	81 182 06 12	G	82/033	E=180,C=100,B=58
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	LWR 10981	L	L	0	160 00	81 182 10 30	G	82/033	E=145,C=132,B=65
MKN 359	QSDKD	01 24 50.2	+18 55 13				84	SWP 14387	L	L	0	250 00	81 184 04 46	G	82/033	E=248,C=99,B=53
MKN 359	QSDKD	01 24 50.2	+18 55 13	0.0			84	LWR 10997	L	L	0	180 00	81 184 09 10	G	82/033	E=168,C=120,B=52
HD 9053	CCDRS	01 26 11.6	-43 34 25	3.40		K5 II	47	LWR 11345	H	L	0	020 00	81 228 11 16	G	82/076	C=88,B=33
HD 9270	LGDTS	01 28 48.2	+15 05 19	3.6		G8 III	45	LWR 11743	H	L	0	030 00	81 283 12 42	G	82/126	E=162,C=1.5X,B=46
IC 131	SD509	01 30 22.0	+30 30 00	14.0			72	SWP 14313	L	L	0	141 00	81 175 03 25	V	/	301
IC 131	SD509	01 30 22.0	+30 30 00	14.5			72	LWR 10945	L	L	0	206 00	81 176 02 21	V	/	404
N 592	SD509	01 30 23.0	+30 23 00	15.0			72	SWP 14326	L	L	0	200 00	81 175 22 52	V	/	302
M33VAR B	HSDRH	01 30 59.4	+30 22 47	17.1	EO.25	IA	61	LWR 11861	L	L	0	360 00	81 302 23 56	G	82/151	C=145,B=65
M33VAR83	HSDRH	01 31 21.6	+30 19 16	16.7	EO.37	IA	61	SWP 15359	L	L	0	395 00	81 305 21 08	G	82/150	E=255,C=120,B=70
M33VAR83	HSDRH	01 31 21.6	+30 19 16	16.7	EO.37	IA	61	LWR 11881	H	L	0	340 00	81 305 21 08	G	82/150	B=85
M33VAR83	HSDRH	01 31 21.7	+30 19 12	16.7	EO.37	IA	61	LWR 10956	L	L	0	210 00	81 178 06 43	G	82/026	C=120,B=50
M33VAR83	HSDRH	01 31 21.7	+30 19 12	16.7	EO.37	IA	61	SWP 14342	L	L	0	165 00	81 178 10 18	G	82/026	C=84,B=80
M 33 V83	HSDRH	01 31 21.7	+30 19 16				61	LWR 10971	L	L	0	390 10	81 181 06 25	G	82/031	C=200,B=75
M33VAR 2	HSDRH	01 31 28.5	+30 23 14	18.2	EO.33	IA	61	SWP 14355	L	L	0	180 00	81 180 06 55	G	82/031	C=60,B=46
M33VAR 2	HSDRH	01 31 28.5	+30 23 14	18.2	EO.33	IA	61	LWR 10966	L	L	0	240 00	81 180 09 57	G	82/031	B=58
AX PER	ZADAM	01 33 05.9	+54 00 17	10.8		M1 II	57	LWR 11321	L	L	0	020 00	81 226 15 32	G	82/081	C=90,B=46
AX PER	ZADAM	01 33 05.9	+54 00 17	10.8		M1 II	57	SWP 14758	L	L	0	010 00	81 226 16 07	G	82/081	E=179,B=32
AX PER	ZADAM	01 33 06.0	+54 00 18	10.8		M1 II	57	FES 1342	D	2		160 00	81 226 15 19	G	82/066	NO COMMENTS
PG 0136+251	FBDRG	01 36 06.0	+25 08 12	16.0		DA	37	SWP 15516	L	L	0	105 00	81 323 02 47	G	82/172	C=180,B=67
PG 0136+251	FBDRG	01 36 06.0	+25 08 12	16.0		DA	37	LWR 11994	L	L	0	060 00	81 323 04 35	G	82/172	C=115,B=50
PG 0136+251	FBDRG	01 36 06.0	+25 08 12	16.1		O	37	SWP 15517	L	L	0	090 00	81 323 05 37	G	82/172	C=205,B=50
107 PSC	RPSTD	01 39 46.5	+20 01 34	5.2	E-.01	K1 V	46	LWR 11854	L	L	0	004 00	81 301 06 24	G	82/146	C=170,B=25, TRLD
107 PSC	RPSTD	01 39 46.5	+20 01 34	5.2	E-.01	K1 V	46	LWR 11855	L	L	0	008 00	81 301 07 26	G	82/146	C=270,B=27,TRLD
107 PSC	RSPTD	01 39 46.5	+20 01 34	5.20	E-.01	K1 V	46	LWR 12041	L	L	0	005 00	81 327 10 06	G	82/174	E=255,C=210,B=35,TRL
HD 10516	CBDMP	01 40 31.0	+50 26 00	4.0	EO.05	B1 III	26	SWP 14690	H	L	0	001 29	81 220 10 25	G	82/066	E=240,C=1.2X,B=50
HD 10516	CBDMP	01 40 31.0	+50 26 00	4.0	EO.05	B1 III	26	LWR 11269	H	L	0	001 44	81 220 10 30	G	82/066	E=2X,C=2-3X,B=50
GD 1391	QSDWS	01 41 28.0	-24 20 12	11.8		O SD	16	SWP 14295	L	L	0	004 40	81 172 13 25	G	82/039	C=230,B=17
GD 1391	QSDWS	01 41 28.0	-24 20 12	11.8		O SD	16	LWR 10920	L	L	0	006 40	81 172 13 31	G	82/039	C=205,B=32
HD 10700	CSDCB	01 41 44.7	-16 12 01	3.5		G8 V	45	LWR 11587	H	L	0	010 00	81 262 13 15	G	82/115	E=120,C=230,B=30
HD 10700	CSDCB	01 41 44.7	-16 12 01	3.5		G8 V	45	SWP 15042	L	L	0	060 00	81 262 13 32	G	82/105	E=2X,C=185,B=35
S 65	CBDSS	01 43 18.0	-74 55 00	11.8		O9	13	LWR 11057	L	L	0	020 00	81 194 12 46	G	82/041	C=180,B=38
S 65	CBDSS	01 43 18.0	-74 55 00	11.8		O9	13	SWP 15121	L	L	0	030 00	81 272 08 51	G	82/115	C=100,B=37
S 65	CBDSS	01 43 18.0	-74 55 00	11.8		O9	13	LWR 11638	L	L	0	020 00	81 272 09 27	G	82/115	E=191,C=191,B=33
H 12311	UK458	01 57 12.0	-61 48 00	2.9			40	LWR 10607	H	L	0	004 00	81 134 07 12	V	/	552
L1159-16	CCDHJ	01 57 30.3	+12 49 10	12.3		M5 V	48	LWR 10851	L	L	0	180 00	81 165 06 43	G	82/011	E=178,B=41
NGC 1068	GHDDY	02 00 05.9	-00 13 59	11	O	BO	84	LWP 1384	H	L	0	140 00	81 330 05 42	G	/	C=140,B=102
HD 12533	CZ502	02 00 49.0	+42 05 00	02.1			47	LWR 11439	H	L	0	015 00	81 241 22 47	V	/	352

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V		SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD 12533	CZ502	02	00	49.0	+42	05	00	02.1					47	SWP 14858	L	L	0	050	00	81	241	23	19	V	/		901
HD 12993	RK523	02	05	33.0	+57	42	00	8.6					12	SWP 15276	L	L	0	001	20	81	289	17	37	V	/		301
HD 12993	RK523	02	05	33.0	+57	42	00	8.6					12	LWR 11790	H	L	0	030	00	81	289	17	42	V	/		302 4-MIN HTR W-UP
HD 12993	RK523	02	05	33.0	+57	42	00	8.6					12	SWP 15277	H	L	0	105	00	81	289	18	16	V	/		401
HD 13480	RSDCB	02	09	27.9	+30	04	10	5.8			G3	V	39	LWR 11573	H	L	0	015	00	81	260	15	33	G	82/103		E=131,C=105,B=27
HD 13480	RSDCB	02	09	27.9	+30	04	10	5.8			G3	V	39	SWP 15041	L	L	0	080	00	81	262	11	00	G	82/105		E=159,C=3X,B=35
PKS 0215+015	BLDAG	02	15	13.4	+01	30	53	15.7					87	LWR 11637	L	L	0	260	00	81	272	00	50	G	82/115		C=180,B=64
0215+015	UK446	02	15	14.0	+01	31	00	14.5					87	LWP 1353	L	L	0	233	00	81	255	18	47	V	/		301 1 BAD SCAN
PKS 0215+015	BLDAG	02	15	14.2	+01	30	59	15.4					87	LWR 11647	L	L	0	335	00	81	273	23	39	G	82/117		C=200,B=60
3C 66A*	LM529	02	19	30.0	+42	48	00	15.0					87	SWP 14838	L	L	0	280	00	81	239	18	53	V	/		303
3C 66A	LM529	02	19	30.0	+42	48	00	15.0					87	LWR 11419	L	L	0	130	00	81	239	23	37	V	/		303
NGC 985	QSDAB	02	32	10.4	-09	00	21	14.2	*				84	SWP 14689	L	L	0	285	00	81	220	03	09	G	82/070		E=205,C=90,B=60
NGC 985	QSDAB	02	32	10.4	-09	00	21	14.2	*				84	LWR 11268	L	L	0	110	00	81	220	07	59	G	82/070		E=130,C=120,B=42
PHL 1377	QSDRG	02	32	36.5	-04	15	10	16.5					85	LWR 12023	L	L	0	410	00	81	325	20	55	G	82/174		E=220,C=160,B=85
HD 16115	CSDHJ	02	32	39.6	-09	39	39					III	50	LWR 11844	L	L	0	040	00	81	299	08	20	G	82/146		C=1.5X,B=29
LSI61303	GB594	02	36	41.0	+61	01	00	10.8					26	LWR 11411	H	L	0	035	00	81	236	23	21	V	/		102 MICROPHONICS
LSI61303	GB594	02	36	41.0	+61	01	00	10.8					26	SWP 14807	L	L	0	105	00	81	237	00	02	V	/		431
LSI61303	GB594	02	36	41.0	+61	01	00	10.8					26	LWR 11791	L	L	0	040	00	81	289	20	28	V	/		503
LSI61303	GB594	02	36	41.0	+61	01	00	10.8					26	LWR 11811	L	L	0	045	00	81	293	18	34	V	/		502
LSI61303	GB594	02	36	41.0	+61	01	00	10.8					26	SWP 15300	L	L	0	138	00	81	293	19	29	V	/		401
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					27	SWP 15118	L	L	0	090	00	81	271	16	50	V	/		332
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					27	LWR 11635	L	L	0	045	00	81	271	18	24	V	/		602 4 MIN H+R WARM U
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					59	LWR 11646	L	L	0	040	00	81	273	20	16	V	/		501 4 MIN H+R WARM U
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					59	SWP 15140	L	L	0	094	00	81	273	21	02	V	/		332
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					59	SWP 15184	L	L	0	090	00	81	278	14	47	V	/		332
LSI61303	UK473	02	36	41.0	+61	01	00	10.8					59	LWR 11692	L	L	0	040	00	81	278	16	21	V	/		651 4-MIN HTR W-UP
LSI61303	UK480	02	36	41.0	+61	01	00	10.0					59	SWP 15044	L	L	0	090	00	81	262	17	21	V	/		331
HD 16673	CSDTS	02	37	46.3	-09	39	57	5.9	E0.0		F8	V	41	SWP 15203	L	L	0	190	00	81	281	03	19	G	82/124		E=92,C=2-3X,B=43
HD 16673	CSDTS	02	37	46.3	-09	39	57	5.9	E0.0		F8	V	44	LWR 11742	H	L	0	060	00	81	283	10	34	G	82/129		E=180,C=2X,B=61
PKS 0237-233	QSDRG	02	37	52.7	-23	22	09	16.6			Q5		85	LWR 10935	L	L	0	430	00	81	174	06	39	G	82/026		C=145,B=85
N 1068	UK446	02	40	07.0	-00	13	00	10.0					84	LWR 10969	L	L	0	040	00	81	181	01	08	V	/		453
N 1068	UK446	02	40	07.0	-00	13	00	10.0					84	SWP 14360	L	L	0	090	00	81	181	01	56	V	/		461
N 1068	UK446	02	40	07.0	-00	13	00	10.0					84	LWR 10970	L	L	0	120	00	81	181	03	32	V	/		574
N 1068	UK465	02	40	07.0	-00	13	00	10.0					84	LWR 11186	L	L	0	030	00	81	211	00	11	V	/		342
N 1068	UK465	02	40	07.0	-00	13	00	10.0					84	SWP 14589	L	L	0	183	00	81	211	00	44	V	/		472
HD 16458	CBDEB	02	40	25.6	+81	14	23	5.8			K0	III	47	SWP 13841	L	L	0	122	00	81	119	15	03	G	81/330		B=94
HD 16458	CBDEB	02	40	25.6	+81	14	23	5.8			K0	III	47	LWR 10471	H	L	0	120	00	81	119	17	10	G	81/333		C=110,B=82
HD 16458	CBDEB	02	40	25.6	+81	14	23	5.8			K0	III	47	LWR 10474	L	L	0	006	00	81	119	21	10	G	81/330		C=180,B=27
HD 16458	CBDEB	02	40	25.6	+81	14	23	5.8			K0	III	47	LWR 10474	L	S	0	003	00	81	119	21	11	G	81/330		C=80,B=27
HD 17034	CBDMP	02	42	19.0	+47	56	00	8.5	E0.30		B3	V	21	LWR 11236	L	L	0	001	29	81	216	06	58	G	82/062		C=200,B=28

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 17034	CBDMP	02 42 19.0	+47 56 00	8.5	E0.30	B3 V	21	SWP 14645	L	L	0	002 09	81 216	07 02	G	82/062	C=135,B=20
HD 17925	CCDRN	02 50 07.4	-12 58 16	6.0		K0 V	46	SWP 15269	L	L	0	215 00	81 288	10 13	G	82/131	E=163,C=107,B=70
HD 17925	CCDRN	02 50 07.4	-12 58 16	6.0		K0 V	46	LWR 11852	H	L	0	060 00	81 300	11 32	G	82/146	E=225,C=160,B=67
HD 17925	CCDRN	02 50 07.4	-12 58 16	6.0		K0 V	46	SWP 15341	L	L	0	210 00	81 301	22 35	G	82/146	E=156,C=88,B=53
HD 17925	CCDRN	02 50 07.4	-12 58 16	6.0		K0 V	46	LWR 11875	H	L	0	070 00	81 305	07 58	G	82/150	E=240,C=162,B=47
HD 17878	CBDFF	02 50 41.9	+52 33 34	3.9		A V	39	LWR 11390	H	S	0	030 00	81 233	07 55	G	82/084	E=145,C=224,B=33
HD 17878	CBDFF	02 50 41.9	+52 33 34	3.9		A V	39	LWR 11392	H	S	C	026 00	81 233	09 25	G	82/084	C=185,B=40
SY FOR	DR590	02 51 15.0	-37 58 00	10.3			29	SWP 14268	L	L	0	210 00	81 168	01 06	V	/	202
SY FOR	DR590	02 51 15.0	-37 58 00	10.3			29	LWR 10877	L	L	0	060 00	81 168	01 40	V	/	352
HD 18474	CSDCS	02 56 26.5	+47 01 00	5.5		G8 III	45	SWP 14522	L	L	0	055 00	81 200	10 56	G	82/046	C=50,B=35
HD 19058	RPSTD	03 01 57.8	+38 38 53	3.3		M4 II	49	LWR 11563	L	L	0	005 00	81 259	11 37	G	82/103	E=1.5X,C=95,B-25
HD 19058	RPSTD	03 01 57.8	+38 38 53	3.3		M4 II	49	LWR 11563	L	S	0	001 40	81 259	11 46	G	82/103	E=110,C=70,B=25
HD 19058	RPSTD	03 01 57.8	+38 38 53	3.3		M4 II	49	LWR 11822	L	S	0	003 20	81 296	07 06	G	82/138	E=160,C=62,B=30
HD 19058	RPSTD	03 01 57.8	+38 38 53	3.3		M4 II	49	LWR 11822	L	L	0	038 00	81 296	07 15	G	82/138	E=6X,C=180,B=30
IE 0302	QSDWS	03 02 35.7	-22 23 28	16.0			85	LWR 10908	L	L	0	335 00	81 171	07 15	G	82/018	C=170,B=65
IE 0302	QSDWS	03 02 35.7	-22 23 28	16.0			85	SWP 14294	L	L	0	370 00	81 172	06 33	G	82/039	B=61
RX CAS	CBDMP	03 03 14.0	+67 23 08	9.5	E0.40	A5 III	39	LWR 11235	L	L	0	025 00	81 216	04 25	G	82/059	E=2X,C=120,B=33
RX CAS	CBDMP	03 03 14.0	+67 23 08	9.5	E0.40	A5 III	39	SWP 14644	L	L	0	080 00	81 216	05 01	G	82/062	E=220,C=90,B=34
HD 19373	CCDMG	03 05 26.7	+49 25 27	4.1		G4 V	44	SWP 13639	L	L	0	070 00	81 091	23 21	G	81/300	E=233,C=2-3X,B=110
HD 19373	CCDMG	03 05 26.7	+49 25 27	4.1		G4 V	44	LWR 10264	L	L	0	000 19	81 092	00 39	G	81/300	C=1.5X,B=25
HD 19373	CCDMG	03 05 26.7	+49 25 27	4.2		G4 V	44	SWP 13649	L	L	0	090 00	81 093	17 40	G	81/302	E=200,C=2X,B=95
HD 19373	CCDMG	03 05 26.7	+49 25 27	4.2		G4 V	44	LWR 10278	L	L	0	000 18	81 093	19 14	G	81/302	E-1.5X,C=1.5X,B=23
SAO 38651	RSDCB	03 09 53.0	+47 55 23	8.2		G0 V	39	LWR 11556	L	L	0	006 00	81 258	12 27	G	82/102	C=160,B=25
LB3303	WDDGW	03 10 00.0	-68 48 00	11.4		A WD	37	LWR 11954	L	L	0	032 00	81 314	10 05	G	82/159	C=1.4X,B=33
LB3303	WDDGW	03 10 00.0	-68 48 00	11.4		A WD	37	SWP 15471	L	L	0	032 00	81 314	10 54	G	82/159	C=225,B=20
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	SWP 14630	L	L	0	004 46	81 214	18 32	V	/	701
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	LWR 11219	L	L	0	000 24	81 214	19 06	V	/	402 MICROPHONICS
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	SWP 14631	L	L	0	002 23	81 214	19 27	V	/	501
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	SWP 14632	H	L	0	160 00	81 214	19 58	V	/	502
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	LWR 11220	H	L	0	030 00	81 214	22 42	V	/	403
HD 19820	UK438	03 10 08.0	+59 23 00	7.0			12	LWR 11221	L	L	0	002 10	81 214	23 44	V	/	702
Q 0312-770	QSDHS	03 12 55.6	-77 03 00	15.9			85	SWP 14485	L	L	0	400 00	81 197	02 12	G	82/041	C=145,B=72
Q0312-77	UK427	03 12 56.0	-77 01 00	15.9			85	SWP 14485	L	L	0	000 00	81 197	02 12	V	/	000 EXP CONT AT GSFC
MGN 1275	UK419	03 16 30.0	+41 20 00	13.0			84	SWP 15343	L	L	0	377 00	81 302	15 20	V	/	352NUC AT FES X=113Y
MGN 1275	UK419	03 16 30.0	+41 20 00	13.0			84	SWP 15346	L	L	0	410 00	81 303	14 54	V	/	252NUC AT FES X=113Y
NGC 1275	UK419	03 16 31.0	+41 20 00	13.0			84	SWP 15335	L	L	0	375 00	81 300	15 32	V	/	222
HD 20794	CCDKH	03 18 04.5	-43 15 11	4.3		G5 V	44	LWR 10519	H	L	0	008 00	81 124	20 03	G	81/335	E=74,C=155,B=35
HD 20794	CCDKH	03 18 04.5	-43 15 11	4.3		G5 V	44	LWR 10690	H	L	0	024 00	81 143	22 19	G	81/361	E=129,C=1.5X,B=38
HD 20794	CCDKH	03 18 04.5	-43 15 11	4.3		G5 V	44	SWP 14039	L	L	0	050 00	81 143	22 50	G	81/361	E=215,C=115,B=20
HD 20794	CCDKH	03 18 04.6	-43 15 12	4.3		G5 V	44	LWR 10764	H	L	0	024 00	81 153	15 36	G	82/004	C=125,B=40

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 14160	L	L	0	035	00	81	153	16	28	G	82	004	C=115,B=56
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 10765	H	L	0	025	00	81	153	17	08	G	82	004	E=159,C=1.5X,B=42
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 10798	H	L	0	030	00	81	157	19	18	G	82	007	C=1.5X,B=45
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 14205	L	L	0	035	00	81	157	19	54	G	82	007	E=51,C=98,B=36
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 10818	H	L	0	030	00	81	160	15	54	G	82	014	E=153,C=1.2,B=35
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	IV	44	SWP 14227	L	L	0	030	00	81	160	16	28	G	82	026	NONE
	20794	CCDKH	03	18	04.6	-43	15	12	04.3		G5	V	44	SWP 14258	L	L	0	035	00	81	165	18	18	G	82	014	E=117,C=85,B=30
HD	20794	CCDKH	03	18	04.6	-43	15	12	04.30		G5	V	44	LWR 10856	H	L	0	030	00	81	165	18	58	G	82	011	E=148,C=1.5X,B=35
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11565	H	L	0	030	00	81	259	14	03	G	82	102	E=171,C=1.5X,B=44
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15032	L	L	0	035	00	81	261	13	38	G	82	105	E=139,C=110,B=33
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15032	L	S	0	035	00	81	261	13	39	G	82	105	E=139,C=110,B=33
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11579	H	L	0	030	00	81	261	14	18	G	82	105	E=139,C=270,B=40
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11625	H	L	0	030	00	81	270	13	54	G	82	117	E=178,C=1.25X,B=42
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11644	H	L	0	030	00	81	273	14	31	G	82	117	E=180,C=1.5X,B=40
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15135	L	L	0	035	00	81	273	15	05	G	82	117	E=160,C=100,B=29
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15135	L	S	0	035	00	81	273	15	06	G	82	117	E=160,C=100,B=29
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15192	L	L	0	035	00	81	279	10	31	G	82	122	E=132,C=120,B=80
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15192	L	S	0	035	00	81	279	10	32	G	82	122	E=132,C=120,B=80
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11700	H	L	0	030	00	81	279	11	10	G	82	118	E=183,C=2X,B=85
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11752	H	L	0	006	00	81	284	13	44	G	82	129	E=56,C=120,B=26
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15249	L	L	0	013	00	81	286	13	36	G	82	129	C=46,B=29
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15249	L	S	0	013	00	81	286	13	38	G	82	129	C=46,B=29
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	LWR 11801	H	L	0	030	00	81	291	10	18	G	82	136	E=141,C=30%,B=35
HD	20794	CCDKH	03	18	04.6	-43	15	12	4.3		G5	V	44	SWP 15286	L	L	0	033	00	81	291	10	53	G	82	136	E=112,C=80,B=30
HD	20794	CCDKH	03	18	40.6	-43	15	12	4.3		G5	V	44	SWP 13889	L	L	0	020	00	81	124	20	17	G	81	335	E=84,C=80,B=55
HD	20794	CCDKH	03	19	04.6	-43	15	12	4.3		G5	V	44	SWP 15008	L	L	0	035	00	81	259	14	38	G	82	103	E=146,C=90,B=32
HD	20794	CCDKH	03	19	04.6	-43	15	12	4.3		G5	V	44	SWP 15008	L	S	0	035	00	81	259	14	39	G	82	103	E=146,C=90,B=32
HD	20902	OX2AB	03	20	44.3	+49	41	05	1.79		F5	IB	41	LWR 11329	H	S	C	006	00	81	227	11	18	G	82	074	C=90,B=32
HD	20902	OX2AB	03	20	44.3	+49	41	05	1.79		F5	IB	41	LWR 11330	H	S	C	006	00	81	227	12	22	G	82	070	C=265,B=35
HD	20902	RPSTD	03	20	44.4	+49	41	06	3.3		M4	II	41	SWP 15316	L	L	0	003	12	81	296	06	32	G	82	138	C=240,B=20,TRLD
HD	21018	CSDCS	03	21	01.0	+04	41	30	6.4		B8	III	45	LWR 11082	L	L	0	015	00	81	198	19	31	G	82	046	C=3-5X,B=27
HD	21018	CSDCS	03	21	01.0	+04	41	30	6.4		B8	III	45	SWP 14520	L	L	0	015	00	81	200	04	55	G	82	046	C=52,B=26
HD	21018	CSDCS	03	21	01.0	+04	41	30	6.4		B8	III	45	LWR 11093	H	L	0	240	00	81	200	05	15	G	82	046	E=234,C=265,B=57
HD	21018	CSDCS	03	21	01.0	+04	41	30	6.4		B8	III	45	SWP 14521	L	L	0	060	00	81	200	09	19	G	82	046	C=122,B=33
HD	21120	LGDTS	03	22	07.1	+08	51	15	3.6		G8	III	45	LWR 11730	H	L	0	035	00	81	282	07	37	G	82	126	E=194,C=1.5X,B=36
HD	21120	LGDTS	03	22	07.1	+08	51	15	3.6		G8	III	45	SWP 15212	L	L	0	175	00	81	282	08	16	G	82	126	E=98,C=1.5X,B=53
HD	21071	DCDNE	03	22	23.7	+48	56	47	5.8		B7	V	22	LWR 11333	H	S	C	010	23	81	227	15	41	G	82	070	C=210,B=40
HD	21071	DCDNE	03	22	23.7	+48	56	47	5.8		B7	V	22	LWR 11334	L	L	0	000	17	81	227	16	29	G	82	076	C=175,B=27,TRAILED
HD	21071	DCDNE	03	22	23.7	+48	56	47	5.8		B7	V	22	SWP 14767	L	L	0	000	19	81	227	16	36	G	82	076	C=149,B=19,TRAILED
HD	21242	FSDJL	03	23	33.0	+28	32	32	6.6		G5	V	44	SWP 15211	H	L	0	420	00	81	281	22	56	G	82	126	E=127,C=200,B=102

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 21242	FSDJL	03 23 33.0	+28 32 32	6.6		G5 V	44	LWR 11729	H	L	0	025 00	81 282	06 32	G	82/126	E=145,C=90,B=31
HD 21242	FSDJL	03 23 33.0	+28 32 32	6.6		G5 V	44	SWP 15240	H	L	0	400 00	81 284	22 39	G	82/131	E=150,B=72
HD 21242	FSDJL	03 23 33.0	+28 32 32	6.6		G5 V	44	LWR 11756	H	L	0	020 00	81 285	05 24	G	82/131	E=132,C=60,B=30
HD 21483	DCDNE	03 25 42.2	+30 12 12	0.9		B3 III	21	LWR 11799	L	L	0	002 24	81 291	07 51	G	82/138	C=200,B=27,TRLD
HD 21483	DCDNE	03 25 42.2	+30 12 12	24.8		B5 V	21	SWP 15285	L	L	0	005 50	81 291	08 03	G	82/138	C=170,B=25,TRLD
HD 21428	DCDNE	03 25 46.8	+49 20 15	24.8		B5 V	21	SWP 14768	L	L	0	000 04	81 227	17 34	G	82/076	C=172,B=18
HD 21428	DCDNE	03 25 46.8	+49 20 15	24.8		B5 V	21	LWR 11800	L	L	0	000 05	81 291	09 12	G	82/136	C=200,B=27,TRLD
GK PER	CVDCW	03 27 47.6	+43 44 04	13.5		B0 V	55	SWP 13661	L	L	0	045 00	81 095	12 13	G	81/302	E=59,C=60,B=29
GK PER	CVDCW	03 27 47.6	+43 44 04	13.5		B0 V	55	SWP 13696	L	L	0	170 00	81 100	14 00	G	81/308	E=150,C=105,B=30
GK PER	CVDCW	03 27 47.6	+43 44 04	13.5		B0 V	55	LWR 10332	L	L	0	065 00	81 100	16 54	G	81/308	E=159,C=130,B=36
GK PER	CVDCW	03 27 47.6	+43 44 04	13.5		B0 V	55	SWP 15098	L	L	0	290 00	81 268	17 12	G	82/111	E=114,C=100,B=64
GK PER	CVDCW	03 27 47.6	+43 44 04	13.5		B0 V	55	LWR 11622	L	L	0	210 00	81 269	16 42	G	82/112	E=249,C=170,B=40
GK PER	AB588	03 27 48.0	+43 44 00	13.0			55	LWR 11849	L	L	0	075 00	81 299	14 45	V	/	234 MN=471
GK PER	AB588	03 27 48.0	+43 44 00	13.0			55	SWP 15331	L	L	0	343 00	81 299	16 04	V	/	230
HD 21981	UK428	03 29 01.0	-47 33 00	06.0			30	LWR 11387	L	L	0	000 24	81 233	01 00	V	/	502 4-MIN HTR WARM U
HD 21981	UK428	03 29 01.0	-47 33 00	06.0			30	LWR 11388	L	L	0	000 24	81 233	01 32	V	/	502 4-MIN HTR WARM U
G 77-61	CBDJL	03 30 02.0	+01 48 12	16.9		A	50	LWR 11985	L	L	0	540 00	81 320	21 26	G	82/165	C=85,B=80
HD 22049	CCDRN	03 30 34.4	-09 37 35	3.7		K2 V	46	SWP 15246	L	L	0	045 00	81 286	09 10	G	82/129	E=187,C=95,B=50
HD 22049	CCDRN	03 30 34.4	-09 37 35	3.7		K2 V	46	SWP 15334	L	L	0	060 00	81 300	12 49	G	82/146	E=203,C=100,B=35
HD 22049	CCDRN	03 30 34.4	-09 37 35	3.7		K2 V	46	LWR 11874	H	L	0	005 00	81 305	06 25	G	82/150	E=164,C=110,B=29
HD 22049	CCDRN	03 30 34.4	-09 37 35	3.7		K2 V	46	SWP 15356	L	L	0	070 00	81 305	06 34	G	82/150	E=236,C=135,B=43
NGC 1360	RK522	03 31 12.0	-26 01 00	11.3			70	LWR 11784	H	L	0	060 00	81 288	14 31	V	/	363 4-MIN HTR W-UP
PSI PER	BEDAS	03 32 55.4	+48 01 40	4.21		B5	60	SWP 15513	H	S	0	004 00	81 322	09 15	G	82/165	C=220,B=40
PSI PER	BEDAS	03 32 55.4	+48 01 40	4.21		B5	60	LWR 11990	H	S	0	002 30	81 322	09 23	G	82/165	C=210,B=32
HD 22468	MR531	03 34 13.0	+00 25 00	6.0			44	LWR 11665	H	L	0	015 00	81 275	21 06	V	/	353 4-MIN HTR W-UP
HD 22468	MR531	03 34 13.0	+00 25 00	6.0			44	SWP 15158	L	L	0	045 00	81 275	21 38	V	/	360 READ AT GSFC
HD 22468	RSDJL	03 34 13.0	+00 26 00	5.8		K1 IV	46	SWP 15153	L	L	0	060 00	81 275	09 48	G	82/117	E=5X,C=75,B=46
HD 22468	RSDJL	03 34 13.0	+00 26 00	5.8		K1 IV	46	LWR 11660	H	L	0	015 00	81 275	10 53	G	82/117	E=210,C=88,B=34
HD 22468	RSDJL	03 34 13.0	+00 26 00	5.8		K1 IV	46	SWP 15158	L	L	0	045 00	81 275	21 38	G	82/118	E=1.5X,C=80,B=20
HD 22468	RSDJL	03 34 13.0	+00 25 27	5.8		K1 IV	46	SWP 15167	L	L	0	025 00	81 276	21 45	G	82/118	E=168,C=40,B=16
HD 22468	RSDJL	03 34 13.0	+00 25 28	5.8		K1 IV	46	LWR 11715	H	L	0	015 00	81 280	10 48	G	82/124	E=216,C=95,B=40
HD22468	UK487	03 34 13.0	+00 25 00	6.0			44	LWR 11674	H	L	0	015 00	81 276	21 27	V	/	253 4-MIN HTR W-UP
HD22468	UK487	03 34 13.0	+00 25 00	6.0			44	SWP 15167	L	L	0	025 00	81 276	21 45	V	/	350 READ AT GSFC
HD22468	UK487	03 34 13.0	+00 25 00	6.0			44	SWP 15173	L	L	0	035 00	81 277	14 14	V	/	350
HD22468	UK487	03 34 13.0	+00 25 00	6.0			44	LWR 11683	H	L	0	015 00	81 277	14 53	V	/	353 4-MIN HTR W-UP
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15161	L	L	0	035 00	81 276	04 55	G	82/124	E=255,C=56,B=30
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	LWR 11668	L	L	0	015 00	81 276	06 28	G	82/124	E=192,C=80,B=30
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	LWR 11670	H	L	0	015 00	81 276	10 39	G	82/124	E=220,C=85,B=33
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15163	H	L	0	120 00	81 276	11 08	G	82/124	E=219,B=60-80
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	LWR 11671	H	L	0	015 00	81 276	13 14	G	82/124	E=225,C=85,B=30

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15164	L	L	0	015 00	81 276 13 41	G	82/118	E=137,C=50,B=28
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	LWR 11679	H	L	0	015 00	81 277 06 31	G	82/124	E=208,C=80,B=30
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15170	L	L	0	035 00	81 277 06 54	G	82/124	E=213,B=20-30
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	LWR 11691	H	L	0	012 00	81 278 13 04	G	82/124	E=231,B=50
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15183	L	L	0	028 00	81 278 13 20	G	82/124	E=255,C=90,B=50
HD 22468	RSDJL	03 34 13.1	+00 25 28	5.8		K1 IV	46	SWP 15197	L	L	0	030 00	81 280 11 09	G	82/137	E=255,C=100,B=60
HD 22920	HRDPB	03 38 09.6	-05 22 16	5.5		B9 III	25	SWP 14440	H	L	0	006 00	81 191 15 29	G	82/041	C=236,B=47
HD 22920	HRDPB	03 38 09.6	-05 22 16	5.5		B9 III	25	SWP 14457	H	L	0	005 30	81 193 14 56	G	82/046	C=160,B=41
HD 22920	HRDPB	03 38 09.6	-05 22 16	5.5		B9 III	25	SWP 14470	H	L	0	005 29	81 195 14 47	G	82/046	C=220,B=42
HD 22920	HRDPB	03 38 09.6	-05 22 16	5.5		B9 III	25	SWP 14489	H	L	0	005 29	81 197 14 47	G	82/046	C=220,B=42
HD 22920	HRDPB	03 38 09.6	-05 22 16	5.5		B9 III	25	SWP 14506	H	L	0	005 29	81 199 15 14	G	82/046	C=225,B=38
HD 23249	CSDCB	03 40 51.0	-09 55 53	3.5		K0 IV	46	SWP 15019	L	L	0	060 00	81 260 11 58	G	82/103	E=213,C=90,B=55
HD 23249	CSDCB	03 40 51.0	-09 55 53	3.5		K0 IV	46	LWR 11572	H	L	0	010 00	81 260 13 04	G	82/103	E=111,C=135,B=30
NGC 1466	GLOBC	03 44 36.0	-71 45 00	11.6			83	SWP 15244	L	L	0	400 00	81 285 14 40	V	/	11X HIGH BKG: FPM HI
RW CAM	OD52B	03 50 15.1	+58 30 21	8.5		F8	39	SWP 14900	L	L	0	005 00	81 248 06 49	G	82/109	C=25,B=20
RW CAM	OD52B	03 50 15.1	+58 30 21	8.5		F8	39	SWP 14900	L	S	0	003 00	81 248 06 58	G	82/109	E=29,C=20,B=20
RW CAM	OD52B	03 50 15.1	+58 30 22	9.2		G1	39	SWP 14901	L	L	0	015 00	81 248 07 34	G	82/116	C=45,B=30
HD 24432	IEDBS	03 51 46.0	+48 53 42	6.8		B3 II	24	LWR 11612	L	L	0	002 00	81 266 13 56	G	82/111	C=137,B=32
HD 24432	IEDBS	03 51 46.0	+48 53 42	6.8		B3 II	24	LWR 11612	L	S	0	004 00	81 266 14 17	G	82/111	C=270,B=26
HD 24432	IEDBS	03 51 46.0	+48 53 42	6.8		B3 II	24	SWP 15084	L	L	0	007 00	81 266 14 45	G	82/111	C=170 B=16
HD 24432	IEDBS	03 51 46.0	+48 53 42	6.8		B3 II	24	SWP 15084	L	S	0	007 00	81 266 14 46	G	82/111	C=170 B=16
HD 24534	GH506	03 52 15.0	+30 54 00	6.1			14	SWP 15226	H	L	0	020 00	81 283 14 54	V	/	501
IC 2003	JK559	03 53 12.0	+33 43 00	12.4			72	SWP 14551	H	L	0	200 00	81 205 21 12	V	/	161
HD 25680	CSDTS	04 02 22.4	+21 52 32	5.9	EO.0	G1 V	44	LWR 11724	H	L	0	060 00	81 280 22 38	G	82/124	E=184,C=1.1X,B=40
HD 25680	CSDTS	04 02 22.4	+21 52 32	5.9	EO.0	G1 V	44	SWP 15202	L	L	0	170 00	81 280 23 42	G	82/124	E=87,C=237,B=52
HD 25823	BPDJJ	04 03 32.0	+27 28 01	5.2		B8 V	27	LWR 11512	H	S	0	008 20	81 254 12 16	G	82/101	C=250,B=32
HD 25823	BPDJJ	04 03 32.0	+27 28 01	5.2		B8 V	27	SWP 14955	H	S	0	016 40	81 254 12 42	G	82/101	C=2X,B=47
HD 25823	BPDJJ	04 03 32.0	+27 28 01	5.2		B8 V	27	LWR 11513	H	S	0	006 00	81 254 13 15	G	82/101	C=210,B=32
HD 25823	BPDJJ	04 03 32.0	+27 28 01	5.2		B8 V	27	SWP 14956	H	S	0	015 00	81 254 13 46	G	82/101	C=3X,B=54
HD 26609	CBDJE	04 09 46.4	-10 35 42	08.4		G5	44	SWP 15349	L	L	0	180 00	81 304 01 39	G	82/150	E=69,C=80,B=53
HD 26609	CBDJE	04 09 46.4	-10 35 42	8.1		G5	44	LWR 11929	L	L	0	015 00	81 310 11 29	G	82/154	C=1.5X,B=26
NGC 1535	NPDLA	04 12 10.0	-12 51 42	9.0			70	SWP 15497	L	L	0	050 00	81 318 10 09	G	82/165	E=1.1X,C=66,B=35
NGC 1535	NPDLA	04 12 10.0	-12 51 42	9.0			70	LWR 11975	L	L	0	045 00	81 318 11 04	G	82/165	E=99,C=90,B=46
40 ERI B	OD56B	04 12 59.0	-07 45 53	9.5		DA	37	SWP 14416	H	L	0	087 00	81 188 10 10	G	82/033	C=180,B=50
40 ERI B	OD56B	04 12 59.0	-07 45 53	9.5		DA	37	LWR 11021	H	L	0	075 00	81 188 11 42	G	82/033	C=216,B=70
HD 27130	CCDAW	04 14 46.4	+16 49 35	8.3		G5 V	44	SWP 15311	L	L	0	480 00	81 294 23 06	G	82/138	E=107,C=120,B=81
HD 27130	CCDAW	04 14 46.4	+16 49 35				44	LWR 11829	H	L	0	150 00	81 297 11 14	G	82/138	E=121,C=122,B=61
QQ414-06	UK474	04 14 49.0	-06 01 00	15.0			85	LWR 11827	L	L	0	409 00	81 296 14 54	V	/	348 4-M HTR W-UP MN=
QQ414-06	UK474	04 14 49.0	-06 01 00	15.0			85	SWP 15329	L	L	0	361 00	81 298 15 15	V	/	332
QQ414-06	UK474	04 14 49.0	-06 01 00	15.0			85	LWP 1365	L	L	0	240 00	81 298 16 13	V	/	000 BKG EXP

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 27176	RPSTD O4	15 25.3	+21 27 31	5.65	E0.01	A8 V	31	LWR 12009	L	L	0	001 35	81 325	07 23	G	82/172	C=215,B=28,TRLD
HD 27176	RPSTD O4	15 25.3	+21 27 31	5.65	E0.01	A8 V	31	SWP 15538	L	L	0	005 30	81 325	07 34	G	82/172	C=205,B=35,TRLD
HD 27176	RPSTD O4	15 25.4	+21 27 31	5.65	E0.01	A8 V	31	LWR 12029	H	L	0	001 35	81 326	11 34	G	82/172	C=75,B=25,TRLD
BD +17 704	CCDAW O4	15 28.8	+17 18 05	10.0		K3 V	46	SWP 15312	L	L	0	371 00	81 295	07 38	G	82/138	B=75
BP TAU	TTDMG O4	16 08.6	+28 59 15	12.0		K5 V	58	LWR 11128	L	L	0	018 00	81 205	05 22	G	82/049	E=3X,C=65,B=25
BP TAU	TTDMG O4	16 08.6	+28 59 15	12.0		K5 V	58	LWR 11129	L	L	0	005 00	81 205	06 09	G	82/049	E=116,C=45,B=26
BP TAU	TTDMG O4	16 08.6	+28 59 15	12.0		K5 V	58	LWR 11130	H	L	0	210 00	81 205	06 41	G	82/049	E=165,B=58
BP TAU	TTDMG O4	16 08.6	+28 59 15	12.0		K5 V	58	SWP 14546	L	L	0	072 00	81 205	10 19	G	82/049	E=58,C=43,B=35
BP TAU	TTDMG O4	16 08.6	+28 59 15	12.0		K5 V	58	LWR 11131	L	L	0	008 29	81 205	10 48	G	82/049	E=159,B=26
HD 27295	BPDJJ O4	16 29.0	+21 01 23	5.3		B9 V	27	SWP 14963	H	S	0	021 00	81 255	10 15	G	82/102	C=2X,B=50
HD 27295	BPDJJ O4	16 29.0	+21 01 23	5.3		B9 V	27	LWR 11521	H	S	0	014 00	81 255	10 44	G	82/102	C=1.5X
HD 27295	BPDJJ O4	16 29.0	+21 01 23	5.3		B9 V	27	SWP 14964	H	S	0	012 00	81 255	11 12	G	82/102	C=205,B=37
56 TAU	STAND O4	16 39.0	+21 39 00	5.4			36	SWP 14669	H	L	0	009 30	81 217	23 08	V	/	601
HD 27309	STAND O4	16 39.0	+21 39 00	5.4			36	LWR 11253	H	L	0	006 10	81 217	23 29	V	/	572
RY TAU	TTDMG O4	18 50.8	+28 19 34	10.8		G5 IV	58	LWR 11144	L	L	0	017 30	81 207	04 50	G	82/049	E=171,C=70,B=25
RY TAU	TTDMG O4	18 50.8	+28 19 34	10.8		G5 IV	58	LWR 11145	H	L	0	330 00	81 207	05 35	G	82/049	E=178,B=100
DE TAURI	HHDCI O4	18 51.2	+27 48 16	12.9		M1 IV	58	LWR 11857	L	L	0	030 00	81 301	11 00	G	82/146	E=220,C=90,B=42
DE TAURI	HHDCI O4	18 51.2	+27 48 16	12.9		M1 IV	58	SWP 15340	L	L	0	135 00	81 301	11 34	G	82/146	E=130,C=130,B=102
T TAU	MLDLH O4	19 03.9	+19 25 04	10.4	E1.24	K1 V	58	SWP 15475	H	L	0	890 00	81 316	00 19	G	82/158	B=120
HD 27691	CCDAW O4	19 53.6	+14 56 25				44	SWP 15320	L	L	0	240 00	81 296	22 21	G	82/138	C=2X,B=38
HD 27691	CCDAW O4	19 53.6	+14 56 25				44	LWR 11828	H	L	0	090 00	81 297	02 24	G	82/138	E=97,C=170,B=38
HD 27836	CCDAW O4	21 22.4	+14 38 38	7.6		G0 V	44	LWR 11810	H	L	0	115 00	81 293	11 49	G	82/136	E=158,C=187,B=85
HD 27836	CCDAW O4	21 22.4	+14 38 38				44	SWP 15321	L	L	0	410 00	81 297	04 08	G	82/138	E=136,C=1.2X,B=108
DG TAURI	HHDCI O4	24 00.0	+25 59 36	12.7		G5 IV	58	LWR 11812	L	L	0	030 00	81 293	22 47	G	82/138	E=247,C=75,B=36
DG TAURI	HHDCI O4	24 00.0	+25 59 36	12.7		G5 IV	58	SWP 15301	L	L	0	385 00	81 293	23 21	G	82/138	E=104,C=85,B=67
DG TAURI	HHDCI O4	24 00.0	+25 59 36	12.7		G5 IV	58	LWR 11863	L	L	0	020 00	81 303	11 44	G	82/150	E=173,C=80,B=34
DG TAURI	HHDCI O4	24 00.0	+25 59 36	12.7		G5 IV	58	LWR 11864	L	L	0	072 00	81 303	12 33	G	82/150	E=2X,C=125,B=37
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 V	58	LWR 11146	L	L	0	015 00	81 207	11 38	G	82/049	E=138,C=70,B=30
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 IV	58	LWR 11156	H	L	0	347 06	81 208	04 55	G	82/054	E=203,B=122
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 IV	58	LWR 11157	L	L	0	020 00	81 208	11 14	G	82/052	E=233,C=130,B=76
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 V	58	LWR 11187	H	L	0	360 00	81 211	04 28	G	82/054	E=150,B=80
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 V	58	SWP 14590	L	L	0	030 00	81 211	10 31	G	82/054	B=80
DG TAU	TTDMG O4	24 01.0	+25 59 35	11.6		G0 V	58	LWR 11188	L	L	0	030 00	81 211	11 07	G	82/054	C=138,B=72
NGC 1569	EGDJH O4	26 04.5	+64 44 25	12.1			88	SWP 14601	L	L	0	087 00	81 212	09 45	G	82/056	C=150,B=120
NGC 1569	EGDJH O4	26 04.5	+64 44 25	12.1			88	LWR 11195	L	L	0	030 00	81 212	11 16	G	82/082	C=150,B=80
NGC 1569	EGDJH O4	26 04.6	+64 44 25	12.1			88	SWP 14614	L	L	0	174 00	81 213	08 16	G	82/056	C=102,B=72
HD 28394	CCDAW O4	26 26.9	+17 26 12	7.1		G0 V	44	LWR 11809	H	L	0	090 00	81 293	06 36	G	82/136	E=125,C=200,B=45
HD 28394	CCDAW O4	26 26.9	+17 26 12	7.1		G0 V	44	SWP 15294	L	L	0	210 00	81 293	08 09	G	82/136	E=144,C=3X,B=100
SAO 39783	OD528 O4	34 20.1	+18 26 35	9.0		F8	39	SWP 14925	L	L	0	010 00	81 251	11 29	G	82/095	C=38,B=15
SAO 39783	OD528 O4	34 20.1	+18 26 35	9.0		F8	39	SWP 14925	L	S	0	001 00	81 251	11 43	G	82/095	B=15

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V DR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 30050	RSDCB	04 41 24.0	-10 46 29	7.7		FO IV	39	LWR 11571	L	L	0	006 00	81 260	11 27	G	82/103	C=200,B=35
HD 30353	CBDFF	04 45 20.1	+43 11 19	7.8		A IB	33	LWR 11389	H	S	0	300 00	81 233	02 26	G	82/081	E=240,C=228,B=89
SAO 39783	OD528	04 46 16.5	+42 12 13	9.0		F8	39	SWP 14924	L	L	0	035 00	81 251	09 31	G	82/095	C=80,B=25
SAO 39783	OD528	04 46 16.5	+42 12 13	9.0		F8	39	SWP 14924	L	S	0	007 00	81 251	10 13	G	82/095	C=50,B=30
SAO 39783	OD528	04 46 16.5	+42 12 13	9.0		F8	39	LWR 11488	L	L	0	020 00	81 251	10 27	G	82/095	C=126,B=33
GM AUR	HHDCI	04 52 00.1	+30 17 11	12.0		K7 IV	58	SWP 15345	L	L	0	200 00	81 303	07 12	G	82/150	C=175,B=136
GM AUR	HHDCI	04 52 00.1	+30 17 11	12.0		K7 IV	58	LWR 11862	L	L	0	030 00	81 303	10 36	G	82/151	E=204,C=90,B=43
SU AUR	TTDMG	04 52 48.1	+30 29 20	9.24		G2 III	58	LWR 11177	H	L	0	310 00	81 210	04 52	G	82/056	E=212,C=190,B=134
SU AUR	TTDMG	04 52 48.1	+30 29 20	9.24		G2 III	58	LWR 11178	L	L	0	020 00	81 210	10 31	G	82/056	E=210,C=156,B=56
HD 31398	CCDRS	04 53 44.0	+33 05 20	2.7		K3 III	47	LWR 11359	H	L	0	035 00	81 229	15 55	G	82/074	C=95,B=30
HD 31398	MLDLH	04 53 44.0	+33 05 20	4.3		G5 IB	47	SWP 15474	L	L	0	090 00	81 315	08 34	G	82/158	E=207,C=75,B=50
HD 31398	MLDLH	04 53 44.0	+33 05 20	2.7		K3 II	47	LWR 11959	H	L	0	025 00	81 315	10 08	G	82/158	E=1.4X,C=80,B=30
HD 31398	MLDLH	04 53 44.0	+33 05 20	2.7		K3 II	47	SWP 15503	H	L	0	887 00	81 319	12 54	G	82/165	E=188,C=180,B=110
HD 32228	GHDBS	04 56 29.2	-66 33 25	10.8	EO.15	O	13	SWP 15024	H	L	0	005 00	81 261	01 03	G	82/103	E=115,C=140,B=54
HD 32228	GHDBS	04 56 29.2	-66 33 25	10.8	EO.15	O	13	SWP 15065	H	L	0	207 00	81 264	00 42	G	82/105	E=154,C=183,B=67
HD 32008	AG307	04 57 28.0	-10 20 00	5.7			44	LWR 11254	H	L	0	056 00	81 218	00 51	V	/	563 MICROPHONICS
HD 32402	OD508	04 57 29.9	-68 29 00	12.5	EO.17	WC	10	SWP 14161	L	L	0	020 00	81 153	18 59	G	82/004	E=1.5X,C=120,B=50
HD 32402	OD508	04 57 29.9	-68 29 00	12.5	EO.17	WC	10	LWR 10767	L	L	0	017 00	81 153	19 32	G	82/004	E=213,C=111,B=45
HD 32402	OD508	04 57 29.9	-68 29 00	12.5	EO.17	WC	10	SWP 14162	L	L	0	008 00	81 153	20 06	G	82/004	E=182,C=60,B=33
S 12	CBDSS	04 57 36.0	-67 52 00	12.7		O9	13	SWP 14450	L	L	0	053 00	81 192	18 58	G	82/039	E=97,C=160,B=35
S 12	CBDSS	04 57 36.0	-67 52 00	12.7		O9	13	LWR 11639	L	L	0	040 00	81 272	12 01	G	82/117	C=1.25X,B=54
HD 32147	TTDMG	04 58 20.0	-05 49 00	6.21		K3	46	LWR 11179	L	S	0	001 35	81 210	11 29	G	82/056	C=89,B=31
HD 32147	TTDMG	04 58 20.0	-05 49 00	6.21		K3	46	LWR 11179	L	L	0	001 35	81 210	11 34	G	82/056	C=89,B=31
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	LWR 11246	L	L	0	002 00	81 217	00 03	V	/	902
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	LWR 11246	L	S	0	001 00	81 217	00 09	V	/	802
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	SWP 14654	L	L	0	020 00	81 217	00 13	V	/	701
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	SWP 14654	L	S	0	005 00	81 217	00 47	V	/	401
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	LWR 11247	H	L	0	015 00	81 217	00 58	V	/	702
HD 31964	UK431	04 58 22.0	+43 45 00	3.0			33	SWP 14655	H	L	0	021 00	81 217	01 26	V	/	301
EPSI AUR	OD548	04 58 22.5	+43 45 05	2.99	EO.54	A8 IB	64	SWP 14778	H	L	0	040 00	81 230	15 31	G	82/080	C=175,B=65
EPSI AUR	OD548	04 58 22.5	+43 45 05	2.99	EO.54	A8 IB	64	LWR 11365	H	L	0	010 00	81 230	16 16	G	82/080	C=30%-1.5X,B=33
EPSI AUR	OD548	04 58 22.5	+43 45 05	2.99	EO.54	A8 IB	64	SWP 14779	H	L	0	065 00	81 230	16 41	G	82/074	C=205,B=43
HD 31964	CBDMP	04 58 23.0	+43 45 00	3.0	EO.30	A8 IB	39	SWP 14647	L	L	0	030 00	81 216	09 07	G	82/059	E=94,C=5X,B=35
HD 31964	CBDMP	04 58 23.0	+43 45 00	3.0	EO.30	A8 IB	39	LWR 11238	L	L	0	000 49	81 216	09 41	G	82/059	C=3X,B=25
N 1786	CC554	04 58 54.0	-67 49 00	10.9			83	LWR 10379	L	L	0	230 00	81 108	05 57	V	/	706
N 1786	CC554	04 58 54.0	-67 49 00	10.9			83	SWP 13750	L	L	0	430 00	81 109	02 26	V	/	303
HD 31910	CCDRS	04 58 57.6	+60 22 19	4.0		G0 IB	45	LWR 11358	H	L	0	035 00	81 229	14 32	G	82/074	E=228,C=250,B=43
G191-B2B	PHCAL	05 01 30.9	+52 45 48	11.8		DA	37	SWP 14602	L	L	0	001 21	81 212	15 01	G	82/056	C=200,B=18
G191-B2B	PHCAL	05 01 30.9	+52 45 48	11.8		DA	37	LWR 11200	L	L	0	003 19	81 212	15 29	G	82/056	C=215,B=38
G191-B2B	PHCAL	05 01 30.9	+52 45 48	11.8	EO.11	DA	37	SWP 14603	L	L	0	002 24	81 212	15 52	G	82/056	C=201,B=142,TRLD

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	32357	RSDCB	05 01 51.0	+58 57 15	6.2		KO III	39	SWP 15000	L	L	0	060 00	81 258	12 56	G	82/101	E=163,C=100,B=80
HD	32357	RSDCB	05 01 51.0	+58 57 15	6.2		KO III	39	LWR 11557	H	L	0	030 00	81 258	14 02	G	82/101	E=155,C=110,B=40
	HD293782	HT535	05 02 01.0	-03 52 00	09.8			32	SWP 14857	L	L	0	147 00	81 241	19 33	V	/	701
HD	32641	IGDHW	05 02 36.5	+22 59 38	6.7		B5	21	SWP 14839	H	L	0	035 00	81 240	11 40	G	82/091	C=220,B=52
HD	32641	IGDHW	05 02 36.5	+22 59 38	6.7		B5	21	LWR 11425	H	L	0	014 00	81 240	12 21	G	82/091	C=190,B=38
	ETA AUR	OX3AB	05 03 00.1	+41 10 07	3.17	E0.00	B3 V	21	LWP 1376	H	L	0	000 30	81 328	04 43	G	/	C=205,B=55,TRLD
	ETA AUR	OX3AB	05 03 00.1	+41 10 07	3.17	E0.00	B3 V	21	LWP 1377	H	L	0	000 40	81 328	05 32	G	/	C=240,B=60,TRLD
	ETA AUR	OX3AB	05 03 00.1	+41 10 07	3.17	+0	B3 V	21	LWP 1379	H	L	0	000 40	81 328	06 35	G	/	C=235,B=55
	ETA AUR	OX3AB	05 03 00.1	+41 10 07	3.17	+0	B3 V	21	LWR 12045	H	L	0	000 40	81 328	07 34	G	82/174	C=230,B=50
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	LWR 12052	H	L	0	000 40	81 329	04 42	G	82/175	E=168,C=230,B=46
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	LWR 12053	H	L	0	000 40	81 329	05 19	G	82/175	E=166,C=235,B=42
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	LWR 12054	H	L	0	000 40	81 329	05 58	G	82/178	E=168,C=235,B=46
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	SWP 15565	H	L	0	000 40	81 329	06 23	G	82/178	C=235,B=50
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	SWP 15567	H	L	0	000 40	81 329	07 45	G	82/178	C=230,B=52
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	SWP 15568	H	L	0	000 40	81 329	08 29	G	82/178	C=225,B=52
	ETA AUR	OX3AB	05 03 00.9	+41 10 07	3.17	0	B3 V	21	SWP 15569	H	L	0	000 40	81 329	09 06	G	82/178	C=220,B=52
HD	32811	IGDHW	05 03 40.4	+22 26 42	7.0		B9	22	LWR 11428	H	L	0	040 00	81 240	15 22	G	82/090	C=200,B=53
	NGC 1818	EG546	05 04 04.0	-66 28 00	9.9			83	SWP 14736	L	L	0	040 00	81 224	18 53	V	/	501
	NGC 1818	EG546	05 04 04.0	-66 28 00	9.9			83	LWR 11300	L	L	0	050 00	81 224	19 37	V	/	501 MICROPHONICS
HD	33262	CCDKH	05 04 39.0	-57 32 22	4.7		F8 V	41	LWR 10518	H	L	0	015 00	81 124	18 34	G	81/335	E=181,C=260,B=45
HD	33262	CCDKH	05 04 39.0	-57 32 22	4.7		F8 V	41	SWP 13888	L	L	0	025 00	81 124	19 03	G	81/335	C=3-5X,B=45
HD	33262	CCDKH	05 04 39.0	-57 32 22	4.7		F8 V	41	SWP 14034	L	L	0	031 00	81 143	16 13	G	81/361	E=151,C=2X,B=65
HD	33262	CCDKH	05 04 39.0	-57 32 22	4.7		F8 V	41	LWR 10685	H	L	0	015 00	81 143	16 48	G	81/361	E=195,C=1.3X,B=45
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 10766	H	L	0	015 00	81 153	18 09	G	82/004	E=187,C=260,B=40
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 14203	L	L	0	031 00	81 157	16 44	G	82/005	E=65,C=2-3X,B=32
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 10796	H	L	0	015 00	81 157	17 19	G	82/007	E=170,C=1X,B=33
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 10817	H	L	0	015 00	81 160	14 44	G	82/014	E=162,C=1.1X,B=32
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 14226	L	L	0	031 00	81 160	15 03	G	82/014	E=141,C=1.5X,B=30
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 14257	L	L	0	031 00	81 165	16 52	G	82/014	E=118,C=2X,B=20
HD	33262	CCDKH	05 04 39.1	-57 32 22	04.70		F8 V	41	LWR 10855	H	L	0	015 00	81 165	17 29	G	82/014	E=141,C=250,B=32
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 10929	H	L	0	015 00	81 173	16 42	G	82/025	E=191,C=270,B=40
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 11564	H	L	0	015 00	81 259	12 46	G	82/102	E=182,C=240,B=35
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15007	L	L	0	031 00	81 259	13 10	G	82/102	E=158,C=2X,B=52
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15007	L	S	0	031 00	81 259	13 11	G	82/102	E=158,C=55,2X,B=52
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15033	L	L	0	031 00	81 261	15 10	G	82/105	E=130,C=2X,B=18
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15033	L	S	0	031 00	81 261	15 11	G	82/105	E=130,C=2X,B=18
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 11602	H	L	0	015 00	81 265	12 46	G	82/109	E=156,C=255,B=35
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15074	L	L	0	031 00	81 265	13 07	G	82/111	E=126,C=2X,B=26
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	SWP 15074	L	S	0	031 00	81 265	13 08	G	82/111	E=126,C=2X,B=26
HD	33262	CCDKH	05 04 39.1	-57 32 22	4.7		F8 V	41	LWR 11750	H	L	0	015 00	81 284	10 20	G	82/129	E=161,C=255,B=33

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	SWP 15235	L	L	0	031	00	81	284	10	42	G	82/129		E=65,C=2X,B=30
HD	33262	CCDKH	05	04	39.1	-57	32	22					41	SWP 15235	L	S	0	031	00	81	284	10	45	G	82/129		E=65,C=2X,B=30
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	LWR 11761	H	L	0	015	00	81	285	12	02	G	82/130		E=174,C=220,B=35
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	SWP 15242	L	L	0	021	00	81	285	12	22	G	82/130		C=2X,B=32
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	SWP 15242	L	S	0	021	00	81	285	12	23	G	82/130		C=2X,B=32
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	LWR 11768	H	L	0	015	00	81	286	12	18	G	82/129		E=160,C=255,B=33
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	SWP 15248	L	L	0	025	00	81	286	12	39	G	82/129		C=2X,B=45
HD	33262	CCDKH	05	04	39.1	-57	32	22	4.7		F8	V	41	SWP 15248	L	S	0	025	00	81	286	12	41	G	82/129		C=2X,B=45
HD	32991	IGDHW	05	04	55.9	+21	38	26	5.8		B2	V	20	SWP 14840	H	L	0	023	00	81	240	12	53	G	82/091		C=245,B=55
HD	32991	IGDHW	05	04	55.9	+21	38	26	5.8		B2	V	20	LWR 11426	H	L	0	009	00	81	240	13	21	G	82/091		C=240,B=38
HD	32990	IGDHW	05	05	03.6	+24	12	03	5.5		B2	V	20	SWP 14841	H	L	0	010	00	81	240	13	53	G	82/094		C=240,B=50
HD	32990	IGDHW	05	05	03.6	+24	12	03	5.5		B2	V	20	LWR 11427	H	L	0	005	00	81	240	14	21	G	82/091		C=240,B=39
HD	32990	IGDHW	05	05	03.6	+24	12	03	5.5		B2	V	20	SWP 14842	H	L	0	015	00	81	240	14	50	G	82/090		C=3X,B=65
	LMC N 97	UK467	05	05	04.0	-68	43	00	15.0				70	LWR 10791	L	L	0	150	00	81	156	23	42	V	/		205
	LMC N 97	UK467	05	05	04.0	-68	43	00	15.0				70	SWP 14199	L	L	0	120	00	81	157	02	18	V	/		051
HD	33579	HSDRH	05	05	59.0	-67	57	06	9.1	EO.12	A3	IA	32	LWR 10998	L	L	0	005	00	81	184	13	04	G	82/035		C=80,B=33
HD	33579	HSDRH	05	05	59.0	-67	57	06	9.1	EO.12	A3	IA	32	SWP 14388	L	L	0	001	14	81	184	13	17	G	82/035		C=37,B=25
HD	33579	HSDRH	05	05	59.0	-67	57	06	9.1	EO.12	A3	IA	32	LWR 10999	L	L	0	016	00	81	184	14	00	G	82/035		E=140,C=125,B=32
	LMC N102	UK467	05	08	15.0	-68	44	00	15.0				70	SWP 14217	L	L	0	111	00	81	159	03	56	V	/		111
	KAPTEYN	CCDHJ	05	10	00.7	-45	02	50	8.8		M0	V	48	LWR 10824	L	L	0	052	00	81	161	06	50	G	82/014		C=70,B=32
	KAPTEYN	CCDHJ	05	10	00.7	-45	02	50	8.8		M0	V	48	SWP 14232	L	L	0	240	00	81	161	08	06	G	82/014		B=46
	HD 34085	UK437	05	12	08.0	-08	15	00	00.2				25	SWP 15001	H	L	0	000	07	81	258	16	13	V	/		701
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1	EO.04	G6	III	45	SWP 13820	L	L	0	000	24	81	117	21	07	G	81/330		E=44,C=122,B=17
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	SWP 13821	H	L	0	010	00	81	117	21	37	G	81/330		E=135,C=155,B=40
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	SWP 13822	L	L	0	001	00	81	117	22	13	G	81/330		E=83,C=245,B=18
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	LWR 10458	H	L	0	000	49	81	117	22	41	G	81/330		E=218,C=290,B=28
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	SWP 13823	H	L	0	025	00	81	117	22	48	G	81/330		E=127,C=1.5X,B=72
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	SWP 13824	L	L	0	002	29	81	117	23	43	G	81/330		E=163,C=2X,B=18
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	LWR 10459	H	L	0	000	49	81	117	23	50	G	81/334		E=230,C=290,32
	ALPH AUR	CSDTA	05	12	58.9	+45	56	57	0.1		G6	III	45	SWP 13825	H	L	0	060	00	81	118	00	19	G	81/326		E=168,C=2-3X,B=70
	CAPELLA	RSDTA	05	12	58.9	+45	56	58	0.1		G6	III	45	LWR 10387	H	L	0	000	49	81	109	22	40	G	81/326		E=232,C=1.2X,B=30
	CAPELLA	RSDTA	05	12	58.9	+45	56	58	0.1		G6	III	45	SWP 13756	H	L	0	060	00	81	109	22	53	G	81/326		E=158,C=3X,B=72
	CAPELLA	RSDTA	05	12	58.9	+45	56	58	0.1		G6	III	45	LWR 10388	H	L	0	000	49	81	110	00	19	G	81/320		E=222,C=1.2X,B=31
	CAPELLA	RSDTA	05	12	58.9	+45	56	58	0.1		G6	III	45	SWP 13757	H	L	0	010	00	81	110	00	24	G	81/320		E=131,C=100,B=26
	ALPH AUR	RSDTA	05	12	58.9	+45	56	58	0.1		G6	III	45	LWR 10473	H	L	0	000	49	81	119	19	37	G	81/333		E=224,C=1.5X,B=30
	HD 34078	PB612	05	12	59.0	+34	15	00	5.8				12	SWP 14769	L	S	0	000	15	81	227	18	31	V	/		400 TRAILED
	HD 34078	PB612	05	12	59.0	+34	15	00	5.8				12	SWP 14769	L	L	0	000	25	81	227	18	36	V	/		400
	IC 405	PB612	05	12	59.0	+34	15	00	00.0				73	LWR 11335	L	L	0	024	00	81	227	18	45	V	/		302
	HD 34078	PB612	05	12	59.0	+34	15	00	5.8				12	LWR 11336	L	S	0	000	20	81	227	19	46	V	/		602 TRAILED
	HD 34078	PB612	05	12	59.0	+34	15	00	5.8				12	LWR 11336	L	L	0	000	21	81	227	19	52	V	/		402

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
IC 405	PB612	05 12 59.0	+34 15 00	00.0			73	SWP 14770	L	L	0	020 00	81 227	20 01 V	/	301
IC 405	PB612	05 12 59.0	+34 15 00	00.0			73	LWR 11337	L	L	0	060 00	81 227	20 28 V	/	302
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10360	H	L	0	000 49	81 105	21 09 G	81/314	E=213,C=1.2X,B=30
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13721	H	L	0	060 00	81 105	21 15 G	81/314	E=162,C=3X,B=40
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13722	H	L	0	010 00	81 105	22 42 G	81/322	E=68,C=150,B=30
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10361	H	L	0	000 49	81 105	22 55 G	81/314	E=191,C=1.2X,B=30
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1	EO.01	G6 III	45	LWR 10407	H	L	0	000 49	81 111	20 53 G	81/320	E=232,C=270,B=32
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1	EO.01	G6 III	45	SWP 13773	H	L	0	060 00	81 111	21 00 G	81/320	E=173,C=3X,B=81
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1	EO.01	G6 III	45	LWR 10408	H	L	0	000 49	81 111	22 04 G	81/320	E=218,C=270,B=34
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1	EO.01	G6 III	45	SWP 13774	H	L	0	010 00	81 111	22 33 G	81/323	E=105,C=155,B=37
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10424	H	L	0	000 49	81 113	23 30 G	81/322	E=218,C=270,B=33
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13791	H	L	0	060 00	81 113	23 37 G	81/322	E=193,C=3-5X,B=133
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10425	H	L	0	000 49	81 114	00 43 G	81/322	E=220,C=270,B=28
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13792	H	L	0	010 00	81 114	01 13 G	81/322	E=155,C=144,B=30
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13808	H	L	0	030 00	81 116	00 47 G	81/326	E=2X,C=2X,B=44
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10446	H	L	0	000 49	81 116	01 22 G	81/326	E=203,C=270,B=32
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	LWR 10472	H	L	0	000 49	81 119	18 47 G	81/333	E=229,C=1.5,B=27
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13842	H	L	0	040 00	81 119	18 53 G	81/333	E=2X,C=2X,B=80
ALPH AUR	RSDTA	05 12 59.0	+45 56 58	0.1		G6 III	45	SWP 13843	H	L	0	010 00	81 119	20 05 G	81/328	E=146,C=140,B=33
ALPH AUR	RSDTA	05 12 59.4	+45 56 58	0.1		G6 III	45	SWP 13741	H	L	0	060 00	81 107	20 29 G	81/315	C=2-3X,B=75
ALPH AUR	RSDTA	05 12 59.4	+45 56 58	0.1		G6 III	45	LWR 10375	H	L	0	000 49	81 107	21 33 G	81/315	E=224,C=1.2X,B=29
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	6.0		G6 III	45	SWP 13644	H	L	0	010 00	81 092	19 22 G	81/302	E=149,C=140,B=40
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10270	H	L	0	000 50	81 092	19 59 G	81/302	E=216,C=1.5,B=30
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13645	H	L	0	050 00	81 092	20 31 G	81/302	E=3X,C=3X,B=67
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10271	H	L	0	049 00	81 092	21 32 G	81/302	E=228,C=1.5,B=30
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10286	H	L	0	000 50	81 094	22 01 G	81/302	E=226,C=270,B=30
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13656	H	L	0	060 00	81 094	22 20 G	81/302	E=3X,C=3X,B=63
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10287	H	L	0	000 50	81 094	23 47 G	81/301	E=221,C=270,B=30
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13657	H	L	0	010 00	81 094	23 51 G	81/301	E=145,C=140,B=30
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13672	H	L	0	060 00	81 096	22 04 G	81/308	E=3X,C=3X,B=98
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10299	H	L	0	001 00	81 096	23 09 G	81/308	E=243,C=300,B=32
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13673	H	L	0	010 00	81 096	23 37 G	81/314	E=145,C=120,B=35
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10300	H	L	0	001 00	81 097	00 05 G	81/308	E=246,C=300,B=33
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		FG III	45	LWR 10326	H	L	0	000 50	81 099	22 17 G	81/308	E=222,C=270,B=33
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		FG III	45	SWP 13691	H	L	0	060 00	81 099	22 22 G	81/308	E=185,C=3X,B=90
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		FG III	45	LWR 10327	H	L	0	000 50	81 099	23 26 G	81/308	E=211,C=270,B=33
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		FG III	45	SWP 13692	H	L	0	010 00	81 099	23 53 G	81/308	E=160,C=150,B=33
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10337	H	L	0	000 50	81 101	22 00 G	81/312	E=241,C=270,B=31
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	SWP 13700	H	L	0	030 00	81 101	22 06 G	81/312	E=224,C=300,B=36
ALPH AUR	RSDTA	05 12 59.5	+45 56 58	0.1		G6 III	45	LWR 10338	H	L	0	000 50	81 101	22 40 G	81/312	E=218,C=270,B=31

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P R	A P	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	ALPH AUR	RSDTA	05	12	59.5	+45	56	58	0.1		G6	III	45	SWP 13742	H	L	L	0 010	00	81	107	22	03	G	81	315	E=133,C=95,B=30
	ALPH AUR	RSDTA	05	12	59.5	+45	56	58	0.1		G6	III	45	LWR 10376	H	L	L	0 000	49	81	107	22	32	G	81	315	E=221,C=1.2X,B=30
NGC	1866	GCDAC	05	13	23.9	-65	30	59	9.9				83	SWP 13739	L	L	L	0 260	00	81	107	13	25	G	81	326	C=205,B=68
NGC	1866	GCDAC	05	13	24.0	-65	31	00	9.9				83	LWR 10372	L	L	L	0 150	00	81	107	10	51	G	81	315	C=195,B=40
	NGC 1866	EG546	05	13	28.0	-65	31	00	9.9				83	SWP 14739	L	L	L	0 072	00	81	225	00	00	V	/		301
	AKN 120	GHDDY	05	13	37.8	-00	12	15	14.5		B0	V	84	SWP 13697	L	L	L	0 090	00	81	100	18	51	G	81	308	E=235,C=165,B=83
	AKN 120	GHDDY	05	13	37.8	-00	12	15	14.5		B0	V	84	LWR 10334	L	L	L	0 065	00	81	101	00	33	G	81	308	E=210,C=190,B=37
	AKN120	GHDDY	05	13	37.8	-00	12	15	14.5		B0	V	84	SWP 13698	H	L	L	0		81	101	01	43	G	81	308	C=200,B=180,1050 MIN
	AKN120	GHDDY	05	13	37.8	-00	12	15	14.5		B0	V	84	SWP 13709	H	L	L	0		81	103	21	51	G	81	312	C=240,B=146,1190 MIN
	AKN 120	QSDAB	05	13	37.9	-00	12	16	14.6				84	SWP 14670	L	L	L	0 225	00	81	218	02	20	G	82	062	E=220,C=145,B=55
	AKN 120	QSDAB	05	13	37.9	-00	12	16	14.6				84	LWR 11255	L	L	L	0 165	00	81	218	06	11	G	82	062	E=220,C=195,B=42
	AKN 120	UK447	05	13	38.0	-00	12	00	14.0				84	SWP 13698	H	L	L	0 999	00	81	101	01	43	V	/		506 ST RD AT GSFC
	AKN 120	UK447	05	13	38.0	-00	12	00	14.0				84	LWR 10335	L	L	L	0 980	00	81	101	02	19	V	/		006 SRENDIPITI BG
	AKN 120	UK447	05	13	38.0	-00	12	00	14.5				84	SWP 13708	H	L	L	0 880	00	81	103	21	51	V	/		*** ST RD AT GSFC
	AKN 120	UK447	05	13	38.0	-00	12	00	14.5				84	LWR 10346	L	L	L	0 880	00	81	103	21	57	V	/		*** SERENDIPITY BG
	S 22	CBDSS	05	14	00.0	-67	30	00	11.8		D9		13	SWP 14449	L	L	L	0 030	00	81	192	17	17	G	82	039	E=135,C=184,B=60
	S 89	CBDSS	05	14	00.0	-69	25	00	11.9		D9		13	SWP 14465	L	L	L	0 030	00	81	194	18	11	G	82	041	C=150,B=43
	S 22	CBDSS	05	14	00.0	-67	30	00	11.8		D9		13	SWP 15114	L	L	L	0 030	00	81	271	11	07	G	82	115	C=220,B=42
	S 22	CBDSS	05	14	00.0	-67	30	00	11.8		D9		13	LWR 11631	L	L	L	0 020	00	81	271	11	42	G	82	115	C=255,B=39
	S 89	CBDSS	05	14	00.0	-69	25	00	11.9		D9		13	SWP 15115	L	L	L	0 030	00	81	271	12	24	G	82	115	C=200,B=73
	S 89	CBDSS	05	14	00.0	-69	25	00	11.9		D9		13	LWR 11632	L	L	L	0 020	00	81	271	12	59	G	82	115	C=220,B=44
	S 91	CBDSS	05	14	18.0	-69	35	00	11.7		D9		13	SWP 14448	L	L	L	0 030	00	81	192	16	01	G	82	039	E=189,C=1.2X,B=51
	S 91	CBDSS	05	14	18.0	-69	35	00	11.7		D9		13	LWR 11049	L	L	L	0 020	00	81	192	16	37	G	82	039	C=1.1X,B=42
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	LWR 11196	H	L	L	0 000	25	81	212	12	32	G	82	056	C=220,B=37
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	LWR 11197	H	L	L	0 000	25	81	212	13	00	G	82	056	C=225,B=37
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	LWR 11198	H	L	L	0 000	25	81	212	13	33	G	82	056	C=230,B=37
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	LWR 11199	H	L	L	0 000	25	81	212	14	00	G	82	056	C=230,B=35
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	LWR 12001	H	L	L	0 000	26	81	324	08	33	G	82	172	C=265,B=33
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	SWP 15524	H	L	L	0 000	22	81	324	08	37	G	82	172	C=200,B=32
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	SWP 15525	L	L	L	0 000	05	81	324	09	32	G	82	172	C=1.5X,B=20
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	SWP 15526	L	L	L	0 000	05	81	324	09	58	G	82	172	C=2X,B=20
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	SWP 15527	L	L	L	0 000	05	81	324	10	28	G	82	172	C=30%X,B=20
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.3	E0.03	B0	IV	20	SWP 15528	L	L	L	0 000	05	81	324	10	58	G	82	172	C=30%X,B=20
HD	34816	PHCAL	05	17	16.2	-13	13	37	4.29		B1		20	SWP 15529	L	L	L	0 000	05	81	324	11	25	G	82	172	C=30%X,B=20
HD	34759	RPSTD	05	18	15.8	+41	45	24	5.22	E0.00	B5	V	21	SWP 15537	L	L	L	0 000	08	81	325	05	54	G	82	172	C=190,B=25,TRLD
	S DOR	HSDRH	05	18	33.9	-69	18	01	9.8	E0.20	A0	IA	61	LWR 11000	L	L	L	0 030	00	81	184	14	57	G	82	033	C=1-5X,B=42
	S DOR	HSDRH	05	18	33.9	-69	18	01	9.8	E0.20	A0	IA	61	LWR 11001	L	L	L	0 016	00	81	184	15	53	G	82	035	C=210,B=34
	S 96	CBDSS	05	18	42.0	-69	19	00	10.0		D9		13	SWP 14466	L	L	L	0 006	00	81	194	19	35	G	82	041	C=80,B=23
	S 96	CBDSS	05	18	42.0	-69	19	00	10.0		D9		13	SWP 15112	L	L	L	0 007	00	81	271	08	52	G	82	115	C=100,B=20
	S 96	CBDSS	05	18	42.0	-69	19	00	10.0		D9		13	LWR 11629	L	L	L	0 003	00	81	271	09	04	G	82	115	C=160,B=27

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	S 96	CBDSS	05 18 42.0	-69 19 00	10.0		09	13	SWP 15125	L	L	0	012 00	81 272	15 16	G	82/117	C=147,B=22
HD	35296	CSDTS	05 21 30.2	+17 20 20	5.0	EO.0	F6 V	41	LWR 11727	H	L	0	025 00	81 281	13 06	G	82/124	E=182,C=1.2X,B=37
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15109	L	L	0	033 00	81 270	15 06	G	82/115	E=147,C=1.5X,B=21
HD	35296	CCDKH	05 21 30.7	+17 20 19				46	SWP 15109	L	S	0	033 00	81 270	15 07	G	82/115	E=147,C=1.5X,B=21
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	LWR 11626	H	L	0	022 00	81 270	15 44	G	82/115	E=192,C=1.5X,B=33
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15236	L	L	0	035 00	81 284	11 56	G	82/131	E=63,C=2.5X,B=43
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15236	L	S	0	035 00	81 284	11 57	G	82/131	E=63,C=2.5X,B=43
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	LWR 11751	H	L	0	022 00	81 284	12 36	G	82/129	E=166,C=1.1X,B=34
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	LWR 11760	H	L	0	022 00	81 285	10 19	G	82/130	E=164,C=255,B=40
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15241	L	L	0	035 00	81 285	10 47	G	82/028	E=63,C=2X,B=50
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15241	L	S	0	035 00	81 285	10 48	G	82/028	E=63,C=2X,B=50
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	LWR 11767	H	L	0	022 00	81 286	10 22	G	82/129	E=147,C=230,B=42
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15247	L	L	0	035 00	81 286	10 55	G	82/129	E=67,C=2X,B=42
HD	35296	CCDKH	05 21 30.7	+17 20 19	5.4	EO.0	F8 V	41	SWP 15247	L	S	0	035 00	81 286	10 56	G	82/129	E=67,C=2X,B=42
HD	35548	BPDJJ	05 22 58.1	-00 35 14	6.3		B9 V	27	LWR 11524	H	S	0	018 00	81 255	14 28	G	82/102	C=150,B=43
HD	35548	BPDJJ	05 22 58.1	-00 35 14	6.3		B9 V	27	SWP 14967	H	L	0	036 00	81 255	14 58	G	82/101	C=238,B=52
HD	35548	BPDJJ	05 22 58.1	-00 35 14	6.3		B9 V	27	LWR 11534	H	L	0	018 00	81 256	11 56	G	82/101	C=215,B=46
HD	35548	BPDJJ	05 22 58.1	-00 35 14	6.3		B9 V	27	SWP 14977	H	L	0	036 00	81 256	12 18	G	82/101	C=1.5X,B=73
HD	35548	BPDJJ	05 22 58.1	-00 35 14	6.3		B9 V	27	LWR 11535	H	L	0	018 00	81 256	13 00	G	82/102	C=220,B=50
	S 30	CBDSS	05 23 12.0	-68 04 00	11.4		09	13	LWR 11046	L	L	0	010 00	81 192	12 50	G	82/039	C=170,B=32
	S 30	CBDSS	05 23 12.0	-68 04 00	11.4		09	13	SWP 14446	L	L	0	020 00	81 192	13 07	G	82/039	E=194,C=148,B=40
	S 30	CBDSS	05 23 12.0	-68 04 00	11.4		09	13	SWP 15116	L	L	0	020 00	81 271	13 36	G	82/115	C=180,B=44
	S 30	CBDSS	05 23 12.0	-68 04 00	11.4		09	13	LWR 11633	L	L	0	010 00	81 271	14 09	G	82/115	C=230,B=32
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	LWR 11218	L	L	0	012 00	81 214	17 11	G	82/056	E=188,C=98,B=36
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	LWR 11218	L	S	0	001 00	81 214	17 43	G	82/056	C=90,B=36
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	LWR 11227	L	L	0	025 00	81 215	15 42	G	82/056	E=1X,C=150,B=81
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	LWR 11227	L	S	0	003 00	81 215	16 11	G	82/056	C=220,B=81
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	SWP 14638	L	S	0	002 29	81 215	16 18	G	82/056	E=16X,C=250,B=138
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	SWP 14638	L	L	0	035 00	81 215	16 26	G	82/056	E=16X,C=205,B=138
	OOOIC418	NDDHH	05 25 09.0	-12 44 00	0.2			71	LWR 11228	L	L	0	041 00	81 215	17 09	G	82/059	E=2X,C=230,B=58
	LMC N201	UK467	05 25 39.0	-71 35 00	15.0			70	SWP 14216	L	L	0	150 00	81 158	22 35	V	/	331
	LMC N203	UK467	05 25 48.0	-73 43 00	15.0			70	LWR 10808	L	L	0	120 00	81 159	01 32	V	/	223
HD	36402	GHDBS	05 26 11.6	-67 32 32	11.5	EO.07	WC5	10	SWP 13991	H	L	0	300 00	81 138	08 32	G	81/355	E=184,C=190,B=60
HD	36402	GHDBS	05 26 11.6	-67 32 32	11.5	EO.07	WC5	10	LWR 10645	H	L	0	200 00	81 138	13 36	G	81/355	C=200,B=68
HD	36402	GHDBS	05 26 11.6	-67 32 32	11.50	EO.07	WC5	10	SWP 13997	H	L	0	300 00	81 139	09 13	G	81/355	E=207,C=200,B=70
HD	36402	GHDBS	05 26 11.6	-67 32 32	11.5	EO.03	WC	10	SWP 15049	H	L	0	270 00	81 263	00 16	G	82/105	E=166,C=200,B=74
	AO526-33	JB601	05 27 34.0	-32 51 00	13.9			59	SWP 14040	L	L	0	050 00	81 144	00 22	V	/	341
	AO526-33	JB601	05 27 34.0	-32 51 00	13.9			59	LWR 10691	L	L	0	050 00	81 144	01 18	V	/	332
	AO526-33	JB601	05 27 34.0	-32 51 00	13.9			59	SWP 14054	L	L	0	060 00	81 145	00 44	V	/	341
X	0526-328	CVDPS	05 27 34.5	-32 51 20	14.0			63	LWR 11777	L	L	0	025 00	81 287	12 37	G	82/131	C=100,B=33

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
X	0526-328	CVDPS	05	27	34.5	-32	51	20	14.0				63	SWP 15264	L	L	0	035	00	81	287	13	05	G	82	131	E=201,C=180,B=133
NGC	1987	GCDAC	05	27	35.9	-70	47	59	12.0				83	LWR 10383	L	L	0	085	00	81	109	16	22	G	81	322	C=70,B=34
NGC	1987	GCDAC	05	27	36.0	-70	48	00	12.0				83	SWP 13751	L	L	0	300	00	81	109	11	19	G	81	327	C=65,B=55
S	83	CBDSS	05	28	12.0	-69	01	06	11.2		09		13	LWR 11048	L	L	0	020	00	81	192	15	17	G	82	039	C=1.1X,B=35
S	83	CBDSS	05	28	12.0	-69	01	06	11.2		09		13	SWP 15113	L	L	0	015	00	81	271	09	44	G	82	115	C=200,B=20
S	83	CBDSS	05	28	12.0	-69	01	06	11.2		09		13	LWR 11630	L	L	0	020	00	81	271	10	17	G	82	115	C=1.3X,B=33
N	1978	CC554	05	28	24.0	-66	16	00	10.7				83	SWP 13745	L	L	0	165	00	81	108	02	51	V	/		102
S111		CBDSS	05	28	42.0	-69	11	00	10.2		09		13	SWP 15123	L	L	0	008	00	81	272	12	55	G	82	115	C=200,B=34
S111		CBDSS	05	28	42.0	-69	11	00	10.2		09		13	LWR 11640	L	L	0	006	00	81	272	13	28	G	82	117	C=230,B=33
HD	36673	RPSTD	05	30	31.3	-17	51	24	2.58	E0.04	FO	IB	40	SWP 15073	L	L	0	000	56	81	265	10	08	G	82	111	C=215,B=18
HD	36673	RPSTD	05	30	31.3	-17	51	24	2.58	E0.04	FO	IB	40	LWR 11601	L	L	0	000	10	81	265	10	45	G	82	109	C=195,B=26
NGC	2004	GCDAC	05	30	41.9	-67	18	59	9.9				83	LWR 10381	L	L	0	015	00	81	108	16	18	G	81	326	C=205,B=30
NGC	2004	GCDAC	05	30	42.0	-67	19	00	9.9				83	SWP 13746	L	L	0	180	00	81	108	11	36	G	81	322	C=10X,B=37
NGC	2004	GCDAC	05	30	42.0	-67	19	00	9.9				83	LWR 10380	L	L	0	050	00	81	108	14	41	G	81	326	C=3X,B=30
NGC	2004	GCDAC	05	30	42.0	-67	19	00	9.9				83	SWP 13747	L	L	0	015	00	81	108	15	38	G	81	322	C=150,B=20
NGC	2004	EG546	05	30	44.0	-67	19	00	9.9				83	SWP 14737	L	L	0	030	00	81	224	20	48	V	/		601
NGC	2004	EG546	05	30	44.0	-67	19	00	9.9				83	LWR 11301	L	L	0	035	00	81	224	21	22	V	/		701 MICROPHONICS
NGC	2004	EG546	05	30	44.0	-67	19	00	9.9				83	LWR 11303	L	L	0	018	00	81	225	01	24	V	/		601
HD	36695	MLDGM	05	30	59.0	-01	11	23	5.4	E0.05	B1	V	20	SWP 14851	H	L	0	003	30	81	241	10	37	G	82	090	C=2X,B=52
HD	36695	MLDGM	05	30	59.0	-01	11	23	5.4	E0.05	B1	V	20	LWR 11434	H	L	0	002	00	81	241	11	06	G	82	091	C=255,B=32
HD	36695	MLDGM	05	30	59.0	-01	11	23	5.4	E0.05	B1	V	20	SWP 14852	H	L	0	001	00	81	241	11	34	G	82	091	C=125,B=26
HD	36695	MLDGM	05	30	59.0	-01	11	23	5.4	E0.05	B1	V	20	SWP 14862	H	L	0	001	50	81	242	10	46	G	82	090	C=180,B=39
NSO42-71		NSDNT	05	31	25.6	-71	06	09	11.5		B1	IA	23	SWP 14016	H	L	0	320	00	81	141	09	06	G	81	351	C=210,B=105
NSO42-71		NSDNT	05	31	25.6	-71	06	09	11.2		B1		23	SWP 14044	H	L	0	310	00	81	144	08	49	G	81	361	C=177,B=80
HD	36665	IEDTS	05	31	30.1	+28	01	07	8.0	E0.65	B1		26	LWR 10389	L	L	0	006	00	81	110	01	25	G	81	320	C=3-4X,B=26
HD	36665	IEDTS	05	31	30.1	+28	01	07	8.0	E0.65	B1		26	LWR 10389	L	S	0	001	15	81	110	01	35	G	81	320	C=190,B=26
HD	36665	IEDTS	05	31	30.1	+28	01	07	8.0	E0.65	B1		26	SWP 13758	L	L	0	003	00	81	110	01	39	G	81	320	C=220,B=20
NSO42-71		NSDNT	05	31	32.4	-71	06	00	11.2		B1		23	SWP 13885	H	L	0	413	00	81	124	08	56	G	81	335	E=240,C=210,B=105
NSO45-71		NSDNT	05	31	51.2	-71	06	09	11.47		06		14	SWP 14022	H	L	0	285	00	81	142	08	45	G	82	011	C=175,B=68
NSO45-71		NSDNT	05	32	04.6	-71	06	42	11.4		06	IAB	14	SWP 13908	H	L	0	400	00	81	126	09	10	G	81	335	C=215,B=110
B	388	HSDRP	05	32	19.8	-05	36	13	8.1	E0.16	AO	V	30	SWP 13813	L	S	0	003	00	81	116	20	14	G	81	326	C=110,B=25
B	388	HSDRP	05	32	19.8	-05	36	13	8.2	E0.16	AO	V	30	SWP 13813	L	L	0	000	40	81	116	20	23	G	81	326	C=45,B=25
B	388	HSDRP	05	32	19.8	-05	36	13	8.1	E0.16	AO	V	30	SWP 13814	L	L	0	009	00	81	116	21	49	G	81	326	C=2X,B=30
B	388	HSDRP	05	32	19.8	-05	36	13	8.1	E0.16	AO	V	30	LWR 10452	L	L	0	002	00	81	116	22	03	G	81	326	C=190,B=28
B	388	HSDRP	05	32	19.8	-05	36	13	8.2	E0.16	AO	V	30	LWR 10452	L	S	0	003	00	81	116	22	11	G	81	326	C=175,B=28
B	388	HSDRP	05	32	19.8	-05	36	13	8.1	E0.16	AO	V	30	SWP 13814	L	S	0	000	30	81	116	23	32	G	81	326	B=30
H	36861	RS564	05	32	23.0	+09	54	00	3.5				15	SWP 13725	H	S	0	000	30	81	106	02	40	V	/		501
HD	36861	RS564	05	32	23.0	+09	54	00	3.4				13	SWP 15295	H	L	0	000	30	81	293	14	18	V	/		701
B	442	HSDRP	05	32	28.0	-05	32	19	9.0	E0.07	B8	V	25	SWP 13812	L	L	0	010	00	81	116	18	05	G	81	330	C=3X,B=40
B	442	HSDRP	05	32	28.0	-05	32	19	9.0	E0.07	B8	V	25	SWP 13812	L	S	0	010	00	81	116	18	35	G	81	330	C=1.5X,B=40

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	B 442	HSDRP	05	32	28.0	-05	32	19	9.0	E0.07	B8	V	25	LWR 10451	L	L	0	006	00	81	116	19	04	G	81	326	C=3X,B=28
	B 442	HSDRP	05	32	28.0	-05	32	19	9.0	E0.07	B8	V	25	LWR 10451	L	S	0	006	00	81	116	19	15	G	81	326	C=1.5X,B=28
B	466	HSDRP	05	32	32.8	-05	27	12	10.4	E0.13	A1	V	30	LWR 10368	L	L	0	025	00	81	106	20	08	G	81	314	C=2-3X,B=32
	B 502	HSDRP	05	32	38.7	-05	14	11	7.8	E0.07	B4	V	24	LWR 10435	L	L	0	000	49	81	114	22	53	G	81	322	C=2X,B=30
	B 502	HSDRP	05	32	38.7	-05	14	11	7.8	E0.07	B4	V	24	LWR 10435	L	S	0	000	50	81	114	22	57	G	81	322	C=1X,B=30
	B 502	HSDRP	05	32	38.7	-05	14	11	7.8	E0.07	B4	V	24	SWP 13801	L	L	0	000	40	81	114	23	25	G	81	322	C=225,B=22
	B 502	HSDRP	05	32	38.7	-05	14	11	7.8	E0.07	B4	V	24	SWP 13801	L	S	0	000	40	81	114	23	28	G	81	322	C=192,B=22
	B 502	HSDRP	05	32	38.7	-05	14	11	7.8	E0.07	B4	V	24	SWP 13815	H	L	0	040	00	81	117	00	45	G	81	330	C=205,B=40
B	530	HSDRP	05	32	42.5	-05	29	48	8.5	E0.33	B2	V	24	SWP 13732	L	L	0	000	49	81	106	18	23	G	81	314	C=255,B=24
B	530	HSDRP	05	32	42.5	-05	29	48	8.5	E0.33	B2	V	24	SWP 13732	L	S	0	000	49	81	106	18	27	G	81	314	C=100,B=24
B	530	HSDRP	05	32	42.5	-05	29	48	8.5	E0.33	B2	V	24	LWR 10367	L	L	0	001	19	81	106	19	03	G	81	314	C=180,B=25
B	530	HSDRP	05	32	42.5	-05	29	48	8.5	E0.33	B2	V	24	LWR 10367	L	S	0	001	00	81	106	19	08	G	81	314	C=180,B=25
B	530	HSDRP	05	32	42.5	-05	29	48	8.5	E0.33	B2	V	24	SWP 13733	H	L	0	045	00	81	106	19	16	G	81	315	C=170,B=45
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	SWP 13834	L	L	0	045	00	81	119	03	04	V	/		360
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	LWR 10467	L	L	0	030	00	81	119	03	53	V	/		409
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	SWP 13835	L	L	0	040	00	81	119	04	26	V	/		450
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	LWR 10468	L	L	0	030	00	81	119	05	11	V	/		401
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	SWP 13836	L	L	0	040	00	81	119	05	48	V	/		350
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	LWR 10469	L	L	0	020	00	81	119	06	33	V	/		301
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	SWP 13837	L	L	0	040	00	81	119	06	59	V	/		351
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	LWR 10470	L	L	0	020	00	81	119	07	50	V	/		301
	AO538-66	UK332	05	32	43.0	-66	54	00	14.0				59	SWP 13838	L	L	0	020	00	81	119	08	21	V	/		231
	AD 37020	LB304	05	32	48.0	-05	25	00	6.7				20	LWR 11252	L	L	0	000	18	81	217	20	49	V	/		802 MICROPHONICS
	AD 37020	LB304	05	32	48.0	-05	25	00	6.7				20	LWR 11252	L	S	0	000	10	81	217	20	53	V	/		302 MICROPHONICS
	AD 37020	LB304	05	32	48.0	-05	25	00	6.7				20	SWP 14667	H	L	0	005	10	81	217	21	03	V	/		501
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14537	L	S	0	001	00	81	203	12	44	G	82	052	C=125,B=25
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11113	L	S	0	002	29	81	203	12	47	G	82	052	C=205,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11113	L	L	0	000	23	81	203	12	52	G	82	052	C=160,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14537	L	L	0	000	07	81	203	12	55	G	82	052	C=80,B=25
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14538	L	S	C	002	00	81	203	13	59	G	82	052	C=30%X,B=20
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11114	L	S	C	003	19	81	203	14	04	G	82	052	C=2X,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11114	L	L	0	000	39	81	203	14	10	G	82	052	C=195,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14538	L	L	0	000	29	81	203	14	13	G	82	052	C=150,B=20
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14539	H	L	0	050	00	81	203	15	40	G	82	049	C=215,B=60
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11115	H	L	0	040	00	81	203	16	33	G	82	049	E=175,C=205,B=50
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11116	L	L	0	000	44	81	203	18	32	G	82	049	C=225,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14540	L	S	C	001	39	81	203	18	38	G	82	049	C=230,B=25
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	LWR 11116	L	S	C	002	29	81	203	18	43	G	82	049	C=1.5X,B=30
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14540	L	L	0	000	44	81	203	18	52	G	82	049	C=210,B=25
	THETA1B	CBDTM	05	32	48.6	-05	25	00	8.0		B3	V	21	SWP 14547	L	S	C	001	19	81	205	12	41	G	82	049	C=205,B=20

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11132	L	S	C	001 19	81 205	12 45	G	82/053	C=175,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14547	L	L	D	000 39	81 205	12 49	G	82/049	C=205,B=20
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11132	L	L	D	000 39	81 205	12 52	G	82/053	C=220,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11133	H	L	D	045 00	81 205	13 54	G	82/049	E=192,C=230,B=53
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14548	H	L	D	055 00	81 205	14 42	G	82/049	E=217,C=220,B=65
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14560	L	S	C	001 19	81 207	12 48	G	82/049	C=180,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11147	L	S	C	001 19	81 207	12 52	G	82/049	C=185,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14560	L	L	D	000 39	81 207	12 56	G	82/049	C=205,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11147	L	L	D	000 39	81 207	12 59	G	82/049	C=200,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14561	H	L	D	050 00	81 207	13 40	G	82/049	E=229,C=250,B=110
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11148	H	L	D	035 00	81 207	14 33	G	82/049	E=187,C=215,B=70
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11158	L	S	C	001 20	81 208	12 21	G	82/054	C=207,B=32
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14568	L	S	C	001 19	81 208	12 25	G	82/054	C=225,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11158	L	L	D	000 40	81 208	12 29	G	82/054	C=235,B=32
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14568	L	L	D	000 39	81 208	12 32	G	82/054	C=229,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11164	H	L	D	045 00	81 209	04 44	G	82/054	E=135,C=220,B=45
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14574	L	L	D	000 39	81 209	06 06	G	82/054	C=210,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11165	L	L	D	000 39	81 209	06 09	G	82/054	C=215,B=29
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14574	L	S	C	001 19	81 209	06 13	G	82/054	C=218,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11165	L	S	C	001 19	81 209	06 16	G	82/054	C=200,B=29
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14575	L	S	C	001 19	81 209	07 23	G	82/054	C=210,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11166	L	S	C	001 19	81 209	07 27	G	82/054	C=180,B=28
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11166	L	L	D	000 39	81 209	07 31	G	82/054	C=200,B=28
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14575	L	L	D	000 39	81 209	07 34	G	82/054	C=210,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14576	H	L	D	060 00	81 209	08 11	G	82/054	C=210,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11167	H	L	D	045 00	81 209	09 14	G	82/054	E=120,C=118,B=55
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14577	L	L	D	000 39	81 209	10 36	G	82/054	C=130,B=28
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11168	L	L	D	000 39	81 209	10 39	G	82/054	C=130,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14577	L	S	C	001 19	81 209	10 42	G	82/054	C=110,B=28
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11168	L	S	C	001 19	81 209	10 46	G	82/054	C=125,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14578	L	S	C	002 19	81 209	11 49	G	82/052	C=167,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11169	L	S	C	002 19	81 209	11 53	G	82/052	C=186,B=33
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14578	L	L	D	001 09	81 209	11 59	G	82/052	C=175,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11169	L	L	D	001 19	81 209	12 03	G	82/052	C=186,B=33
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14579	L	L	D	002 00	81 209	13 10	G	82/052	C=248,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11170	L	L	D	001 29	81 209	13 15	G	82/052	C=225,B=38
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11170	L	S	C	003 00	81 209	13 20	G	82/052	C=205,B=38
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11171	L	S	C	003 00	81 209	14 29	G	82/053	C=209,B=37
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11171	L	L	D	001 29	81 209	14 35	G	82/053	C=230,B=37
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14580	L	L	D	002 00	81 209	14 39	G	82/053	C=240,B=32

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14581	L	L	0	002 00	81 209	15 47	G	82/054	C=253,B=33
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0			21	SWP 14581	L	S	0	002 00	81 209	15 48	G	82/054	C=253,B=33
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11172	L	L	0	001 29	81 209	15 51	G	82/054	C=230,B=44
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11172	L	S	C	003 00	81 209	15 57	G	82/054	C=230,B=44
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11173	L	S	C	002 39	81 209	17 08	G	82/054	C=200,B=42
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11173	L	L	0	001 20	81 209	17 15	G	82/054	C=215,B=42
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14582	L	L	0	001 39	81 209	17 19	G	82/054	C=224,B=30
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0			21	SWP 14583	L	L	0	002 40	81 209	18 28	G	82/054	C=185,B=22
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11174	L	L	0	000 54	81 209	18 30	G	82/054	C=165,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11174	L	S	C	001 49	81 209	18 35	G	82/054	C=150,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00			B3 V	21	SWP 14583	L	S	C	002 40	81 209	18 39	G	82/054	C=132,B=22
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14584	L	L	0	001 19	81 209	19 40	G	82/054	C=225,B=17
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14585	L	S	C	001 19	81 210	12 32	G	82/054	C=218,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11180	L	S	C	001 19	81 210	12 36	G	82/054	C=205,B=32
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14585	L	L	0	000 39	81 210	12 40	G	82/054	C=230,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11180	L	L	0	000 39	81 210	12 43	G	82/054	C=225,B=32
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14874	L	L	0	000 40	81 244	13 04	G	82/095	C=210,B=15
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11451	L	L	0	000 40	81 244	13 07	G	82/095	C=205,B=24
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14874	L	S	C	001 20	81 244	13 12	G	82/095	C=100,B=17
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11451	L	S	C	001 20	81 244	13 16	G	82/095	C=105,B=25
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 14875	H	L	0	045 00	81 244	14 20	G	82/095	E=160,C=218,B=68
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11452	H	L	0	040 00	81 244	15 07	G	82/095	E=178,C=225,B=50
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15091	L	L	0	000 40	81 268	08 59	G	82/112	C=1.5X,B=19
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11618	L	L	0	000 40	81 268	09 03	G	82/112	C=235,B=25
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15092	H	L	0	035 00	81 268	09 41	G	82/112	C=1.5X,B=72
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11619	H	L	0	030 00	81 268	10 20	G	82/112	C=255,B=45
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15093	L	L	0	000 20	81 268	11 19	G	82/112	C=2X,B=17
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11620	L	L	0	000 40	81 268	11 33	G	82/112	C=2X,B=26
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	FES 1343	D	2		160 00	81 268	12 51	G	82/108	
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15094	L	S	0	000 05	81 268	13 07	G	82/115	C=45,B=16
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15094	L	L	0	000 08	81 268	13 09	G	82/115	C=58,B=16
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15095	L	L	0	000 16	81 268	13 57	G	82/115	C=130,B=17
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	LWR 11621	L	L	0	000 30	81 268	14 26	G	82/115	C=205,B=25
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15096	L	L	0	000 30	81 268	14 57	G	82/115	C=2X,B=17
THETA1B	CBDTM	05 32 48.6	-05 25 00	8.0		B3 V	21	SWP 15097	L	L	0	000 15	81 268	15 38	G	82/112	C=2X,B=18
THETA1C	CBDTM	05 32 49.0	-05 25 16	5.1		06	14	SWP 14562	L	S	C	000 01	81 207	15 41	G	82/049	E=119,C=30%X,B=20
THETA1C	CBDTM	05 32 49.0	-05 25 16	5.1		06	14	LWR 11149	L	S	C	000 05	81 207	15 44	G	82/049	C=2X,B=30
THETA1C	CBDTM	05 32 49.0	-05 25 16	5.1		06	14	SWP 14562	L	L	0	000 01	81 207	15 48	G	82/049	E=196,C=200,B=20
THETA1C	CBDTM	05 32 49.0	-05 25 16	5.1		06	14	LWR 11149	L	L	0	000 01	81 207	15 51	G	82/049	C=210,B=30
ORI SKY	CBDTM	05 32 49.0	-05 24 53				73	SWP 14586	L	L	0	004 00	81 210	13 45	G	82/054	C=195,B=72

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
ORI SKY	CBDTM	05 32 49.0	-05 24 53				73	LWR 11181	L	L	0	004 00	81 210	13 52	G	82/054	C=132,B=50
B 598	HSDRP	05 32 49.0	-05 25 16	5.1	EO.34 O6	V	12	SWP 13737	H	L	0	001 00	81 107	01 31	G	81/315	C=200,B=32
B 598	HSDRP	05 32 49.0	-05 25 16	5.1	EO.34 O6	V	12	SWP 13798	H	L	0	001 00	81 114	19 26	G	81/323	C=170,B=35
B 598	HSDRP	05 32 49.0	-05 25 16	5.1	EO.36 O6	V	12	SWP 14597	H	L	0	001 00	81 212	00 01	G	82/069	C=180,B=32
HD 37022	LB304	05 32 49.0	-05 25 00	5.1			14	SWP 14665	H	L	0	001 30	81 217	19 12	V	/	501
HD 37021	LB304	05 32 49.0	-05 25 00	8.0			20	LWR 11251	L	L	0	000 30	81 217	19 45	V	/	502
HD 37021	LB304	05 32 49.0	-05 25 00	8.0			20	LWR 11251	L	S	0	001 00	81 217	19 50	V	/	402
HD 37021	LB304	05 32 49.0	-05 25 00	8.0			20	SWP 14666	H	L	0	008 00	81 217	19 54	V	/	301
B 604	HSDRP	05 32 49.5	-05 23 39	11.2	EO.02 A2	V	30	LWR 10432	L	L	0	005 00	81 114	19 40	G	81/327	C=105,B=32
HD 37023	LB304	05 32 50.0	-05 25 00	6.7			14	SWP 14668	H	L	0	005 00	81 217	21 49	V	/	501
B 608	HSDRP	05 32 50.3	-05 05 48	9.3	EO.08 B9	V	25	LWR 10453	L	L	0	005 00	81 117	00 25	G	81/330	C=190,B=25
B 608	HSDRP	05 32 50.3	-05 05 48	9.3	EO.08 B9	V	25	LWR 10453	L	S	0	005 00	81 117	00 34	G	81/330	C=145,B=25
B 655	HSDRP	05 32 53.3	-05 23 37	9.7	EO.49 B2	V	20	SWP 13734	L	L	0	001 19	81 106	21 07	G	81/314	E=117,C=90,B=25
B 655	HSDRP	05 32 53.3	-05 23 37	9.7	EO.49 B2	V	20	LWR 10369	L	L	0	002 29	81 106	21 41	G	81/314	C=180,B=32
B 655	HSDRP	05 32 53.3	-05 23 37	9.7	EO.49 B2	V	20	LWR 10369	L	S	0	002 29	81 106	21 47	G	81/314	C=105,B=32
B 655	HSDRP	05 32 53.3	-05 23 37	9.7	EO.49 B2	V	20	SWP 13735	H	L	0	090 00	81 106	21 55	G	81/314	C=130,B=50
M42 CLDA	NDCPP	05 32 54.3	-05 27 02				72	SWP 15607	L	L	0	002 00	81 334	20 08	G	82/178	C=120,B=18
M42 CLDA	NDCPP	05 32 54.3	-05 27 02				72	SWP 15608	H	L	0	120 00	81 334	20 42	G	82/178	C=140,B=52
M42 CLDA	NDCPP	05 32 54.3	-05 27 02				72	LWR 12063	H	L	0	090 00	81 334	20 47	G	82/178	E=69,B=38
M42 CLDB	NDCPP	05 32 55.1	-05 27 11				72	SWP 15609	H	L	0	212 00	81 334	23 20	G	82/178	E=195,C=205,B=85
M42 4S	NDCPP	05 32 55.1	-05 27 11				72	LWR 12064	H	L	0	230 00	81 334	23 22	G	82/178	C=140,B=72
B 734	HSDRP	05 33 01.0	-05 28 12	9.5	EO.07 B9	V	25	LWR 10430	L	L	0	010 00	81 114	17 34	G	81/327	C=2X,B=40
B 734	HSDRP	05 33 01.0	-05 28 12	9.5	EO.07 B9	V	25	SWP 13797	L	L	0	015 00	81 114	17 50	G	81/327	E=171,C=2X,B=68
B 734	HSDRP	05 33 01.0	-05 28 12	9.5	EO.07 B9	V	25	LWR 10454	L	L	0	003 00	81 117	01 31	G	81/330	C=130,B=30
B 767	HSDRP	05 33 03.9	-05 34 59	10.4	EO.19 FO	V	40	LWR 10370	L	L	0	030 00	81 106	23 47	G	81/314	C=1.1X,B=34
B 760	HSDRP	05 33 03.9	-05 27 07	8.7	EO.18 B5	V	24	SWP 13736	L	L	0	001 00	81 107	00 48	G	81/315	C=230,B=26
B 760	HSDRP	05 33 03.9	-05 27 07	8.7	EO.18 B5	V	24	LWR 10371	L	L	0	001 39	81 107	01 17	G	81/315	C=2-3X,B=30
B 760	HSDRP	05 33 03.9	-05 27 07	8.7	EO.18 B5	V	24	LWR 10371	L	S	0	000 49	81 107	01 23	G	81/315	C=160,B=30
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	EO.54 BO	V	24	LWR 10433	L	L	0	000 29	81 114	20 37	G	81/323	C=2X,B=33
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	EO.54 BO	V	24	LWR 10433	L	S	0	000 30	81 114	20 40	G	81/323	C=250,B=33
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	E.054 BO	V	24	SWP 13799	L	L	0	000 14	81 114	21 08	G	81/323	C=1.5X,B=20
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	EO.54 BO	V	24	SWP 13799	L	S	0	000 15	81 114	21 11	G	81/323	C=195,B=20
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	EO.54 BO	V	24	LWR 10434	H	L	0	010 00	81 114	21 15	G	81/322	C=188,B=55
B 747	HSDRP	05 33 03.9	-05 17 54	6.9	EO.54 BO	V	24	SWP 13800	H	L	0	010 00	81 114	21 45	G	81/328	C=183,B=81
B 760	HSDRP	05 33 03.9	-05 27 07	8.7	EO.18 B5	V	24	SWP 13809	H	L	0	046 12	81 116	05 08	G	81/326	C=153,B=35
B 776	HSDRP	05 33 06.4	-05 08 14	9.4	EO.04 AO	V	30	LWR 10437	L	L	0	008 00	81 115	01 23	G	81/323	C=1.5X,B=34
B 776	HSDRP	05 33 06.4	-05 08 14	9.4	EO.04 AO	V	30	LWR 10437	L	S	0	008 00	81 115	01 35	G	81/323	C=190,B=34
B 786	HSDRP	05 33 08.2	-05 14 11	9.9	EO.09 AO	V	30	LWR 10436	L	L	0	008 00	81 115	00 27	G	81/323	C=175,B=32
B 786	HSDRP	05 33 08.2	-05 14 11	9.9	EO.09 AO	V	30	LWR 10436	L	S	0	008 00	81 115	00 40	G	81/323	C=133,B=32
B 786	HSDRP	05 33 08.2	-05 14 11	9.9	EO.09 AO	V	30	SWP 13802	L	L	0	010 00	81 115	00 53	G	81/323	C=125,B=22

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	OBSERVATION DATE HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
B 786	HSDRP	05 33 08.2	-05 14 11	9.9	E0.09	A0 V	30	SWP 13802	L	S	0	002 00	81 115	01 17	G	81/323	C=125,B=22
B 884	HSDRP	05 33 22.9	-05 30 22	10.4	E0.33	A3 V	30	LWR 10431	L	L	0	010 00	81 114	18 26	G	81/327	E=155,C=108,B=43
B 884	HSDRP	05 33 22.9	-05 30 22	10.4	E0.33	A3 V	30	LWR 10447	L	L	0	030 00	81 116	04 28	G	81/330	C=175,B=33
HD 37128	PB612	05 33 40.0	-01 14 00	1.7			23	LWR 11338	L	L	0	000 01	81 227	22 23	V	/	002 TRAIL, NO SPECTR
HD 37128	PB612	05 33 40.0	-01 14 00	1.7			23	LWR 11339	L	S	0	000 01	81 227	22 56	V	/	802 TRAILED
HD 37128	PB612	05 33 40.0	-01 14 00	1.7			23	LWR 11339	L	L	0	000 01	81 227	23 03	V	/	702
NGC 1990	PB612	05 33 40.0	-01 14 00	00.0			73	LWR 11340	L	L	0	000 20	81 227	23 38	V	/	202
HD 37212	CSDHJ	05 33 46.0	-25 46 09				50	LWR 11841	L	L	0	120 00	81 298	22 20	G	82/146	E=118,B=41
CS-STAR	HHDKB	05 33 55.4	-06 47 22	16.3	E0.07		58	SWP 13818	L	L	0	300 00	81 117	11 09	G	81/330	B=55
HH-2H	HHDKB	05 33 59.7	-06 49 02	15.8	E0.34	HH	19	LWR 10450	L	L	0	380 00	81 116	11 28	G	81/323	E=220,C=150,B=90
NGC 1999	HHDKB	05 34 00.7	-06 45 00	11.5	E0.04	A0	73	SWP 13819	L	L	0	120 00	81 117	16 41	G	81/330	E=246,C=173,B=137
NGC 1999	HHDKB	05 34 00.7	-06 45 00	11.5	E0.04	A0	73	LWR 10457	L	L	0	092 00	81 117	18 47	G	81/330	E=121,C=143,B=73
HH-2H	HHDKB	05 34 04.7	-06 48 57	16.4	E0.04		19	LWR 10475	L	L	0	215 00	81 119	22 13	G	81/328	C=118,B=108
HD 245770	CVDCW	05 35 47.9	+26 17 18	9.39	E0.45	BE	26	LWR 12034	L	L	0	004 00	81 326	20 37	G	82/174	C=210,B=25
HD 245770	CVDCW	05 35 47.9	+26 17 18	9.39	E0.45	BE	26	SWP 15553	L	L	0	016 00	81 326	20 46	G	82/174	C=215,B=17
HD 245770	CVDCW	05 35 47.9	+26 17 18	9.39	E0.45	BE	26	LWR 12035	L	L	0	033 00	81 326	21 18	G	82/174	C=3X,B=33
H 37318	UK411	05 35 48.0	28 26 00	8.4			20	SWP 13635	H	L	0	250 00	81 091	03 22	V	/	603
H 37318	UK411	05 35 48.0	28 26 00	8.4			20	LWR 10261	H	L	0	115 00	81 091	07 35	V	/	604
HD 37367	IEDBS	05 36 07.0	+29 11 18	6.0		B2 V	20	LWR 11610	L	L	0	000 20	81 266	10 35	G	82/110	C=160,B=28
HD 37367	IEDBS	05 36 07.0	+29 11 18	6.0		B2 V	20	LWR 11610	L	S	0	001 00	81 266	10 43	G	82/110	C=2-3X,B=28
HD 37367	IEDBS	05 36 07.0	+29 11 18	6.0		B2 V	20	SWP 15082	L	L	0	000 30	81 266	11 13	G	82/111	C=140,B=20,TRLD
HD 37367	IEDBS	05 36 07.0	+29 11 18	6.0		B2 V	20	SWP 15082	L	S	0	000 30	81 266	11 21	G	82/111	C=220,B=20
HD 37468	HL593	05 36 14.0	-02 38 00	03.8			12	SWP 14846	H	S	0	000 45	81 240	20 17	V	/	001 NO SPECTRUM
HD 37490	BEDGP	05 36 32.6	+04 05 41	4.5	E0.12	B3 III	26	SWP 15476	H	L	0	002 10	81 316	04 20	G	82/158	C=220,B=40
HD 37490	MLDGP	05 36 32.6	+04 05 41	4.5	E0.05	B3 III	26	SWP 14909	H	L	0	002 20	81 248	15 14	G	82/098	C=1.1X,B=42
HD 37490	MLDGP	05 36 32.6	+04 05 41	4.5	E0.05	B3 III	26	SWP 15027	H	L	0	002 10	81 261	08 44	G	82/105	C=240,B=40
HD 37490	MLDGP	05 36 32.6	+04 05 41	4.5	E0.05	B3 III	26	LWR 11576	H	L	0	001 05	81 261	08 51	G	82/105	C=220,B=32
HD 37490	MLDGP	05 36 32.6	+04 05 41	4.5	E0.05	B3 III	26	SWP 15055	H	L	0	002 10	81 263	11 50	G	82/105	C=250,B=40
S128	CBDSS	05 37 12.0	-69 31 00	11.2		09	13	LWR 11050	L	L	0	006 00	81 192	18 05	G	82/039	C=1.1X,B=28
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	SWP 14570	L	S	0	001 11	81 208	15 37	G	82/054	C=80,B=32
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	LWR 11160	L	S	0	001 27	81 208	15 42	G	82/054	C=180,B=35
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	LWR 11160	L	L	0	000 21	81 208	15 47	G	82/054	C=215,B=35
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	SWP 14570	L	L	0	000 23	81 208	15 51	G	82/054	C=237,B=32
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	SWP 14571	L	L	0	001 15	81 208	16 58	G	82/054	C=4X,B=130,TRD
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	LWR 11161	L	L	0	001 20	81 208	17 14	G	82/054	C=233,B=58,TRD
HD 37674	NRDAW	05 37 41.9	-01 28 59	7.67	E0.04	B5	21	LWR 11161	L	S	0	001 19	81 208	17 14	G	82/054	C=233,B=58,TRD
HD 37742	PB612	05 38 14.0	-01 58 00	1.8			13	LWR 11341	L	S	0	000 01	81 228	00 29	V	/	802 TRAILED
HD 37742	PB612	05 38 14.0	-01 58 00	1.8			13	LWR 11341	L	L	0	000 01	81 228	00 38	V	/	702
NGC 2024	PB612	05 38 14.0	-01 58 00	00.0			72	LWR 11342	L	L	0	002 00	81 228	01 11	V	/	402
NGC 2024	PB612	05 38 14.0	-01 58 00	00.0			72	SWP 14771	L	L	0	002 00	81 228	01 26	V	/	501

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P R	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
S131	CBDSS	05 38 42.0	-69 31 00	13.1		09	13	SWP 14464	L	L	0	060 00	81 194 16 12	G	82/041	E=173,C=160,B=93
S131	CBDSS	05 38 42.0	-69 31 00	13.1		09	13	LWR 11059	L	L	0	040 00	81 194 17 17	G	82/041	C=150,B=65
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	SWP 14985	H	L	0	050 00	81 257 12 20	G	82/101	C=4-5X,B=145
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	LWR 11543	H	L	0	023 00	81 257 13 15	G	82/101	C=2-3X,B=65
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	SWP 14986	H	L	0	015 00	81 257 13 48	G	82/102	C=206,B=52
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	LWR 11544	H	L	0	009 00	81 257 14 19	G	82/102	C=210,B=41
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	SWP 14987	H	L	0	015 00	81 257 14 51	G	82/102	C=206,B=43
HD 37752	BPDJJ	05 38 52.2	+23 18 10	6.5		B7 III	27	LWR 11545	H	L	0	009 00	81 257 15 21	G	82/102	C=206,B=33
R133	HSDBS	05 38 56.9	-69 06 41	11.5	E0.03	08	13	LWR 11590	L	L	0	015 00	81 263 05 02	G	82/115	C=210,B=30
R133	HSDBS	05 38 56.9	-69 06 41	11.5	E0.03	08	13	LWR 11590	L	S	0	015 00	81 263 07 05	G	82/115	C=85,B=30
R133	HSDBS	05 38 56.9	-69 06 41	11.5	E0.03	08	13	SWP 15050	L	L	0	020 00	81 263 07 31	G	82/115	E=149,C=160,B=30
R 136A	HSDBS	05 39 03.9	-69 07 34	9.4	E0.38	WN	11	SWP 15069	H	L	0	180 00	81 264 12 26	G	82/111	E=149,C=210,B=73
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 13975	H	L	0	180 00	81 136 08 46	G	81/354	C=150,B=45
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	LWR 10623	H	L	0	120 00	81 136 11 50	G	81/354	C=170,B=45
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 13976	L	L	0	005 00	81 136 13 54	G	81/354	C=200,B=25
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 13976	L	S	0	013 00	81 136 14 05	G	81/354	C=190,B=25
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	LWR 10624	L	S	0	010 00	81 136 14 34	G	81/354	C=1.1X,B=30
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	LWR 10624	L	L	0	003 19	81 136 14 50	G	81/354	C=235,B=30
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 13985	H	L	0	315 00	81 137 10 29	G	81/351	C=250,B=100
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 15005	H	L	0	180 00	81 259 00 24	G	82/103	C=190,B=62
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	LWR 11561	L	S	0	010 00	81 259 03 30	G	82/103	C=255,B=29
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	LWR 11561	L	L	0	003 20	81 259 03 57	G	82/103	C=255,B=29
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 15006	L	S	0	013 00	81 259 04 07	G	82/103	C=193,B=2
HD 38268	HSDBS	05 39 04.0	-69 07 35	9.4	E0.38	WN	11	SWP 15006	L	L	0	005 00	81 259 04 35	G	82/103	C=200,B=2
UNKNOWN	HSDBS	05 39 05.2	-69 07 21	13	E0.45	0	65	LWR 11595	L	L	0	030 00	81 264 04 28	G	82/105	C=2X,B=27
FSSW#5	HSDBS	05 39 06.2	-69 07 41	13.0	E0.40	0	13	LWR 11598	L	L	0	013 00	81 264 15 36	G	82/105	C=108,B=28
FSSW#5	HSDBS	05 39 06.2	-69 07 41	13.0	E0.40	0	13	LWR 11600	L	L	0	023 00	81 265 07 28	G	82/111	C=130,B=33
FSSW#5	HSDBS	05 39 06.2	-69 07 41	13.0	E0.40	0	13	LWR 11600	L	S	0	022 00	81 265 07 29	G	82/111	C=86,B=27
HD 37903	NRDAW	05 39 06.9	-02 16 57	7.82	E0.36	B1 V	20	SWP 14572	L	S	0	002 29	81 208 18 29	G	82/054	C=1.5X,B=20
HD 37903	NRDAW	05 39 06.9	-02 16 57	7.82	E0.36	B1 V	20	SWP 14572	L	L	0	000 34	81 208 18 35	G	82/054	C=190,B=20
HD 37903	NRDAW	05 39 06.9	-02 16 57	7.82	E0.36	B1 V	20	LWR 11162	L	S	0	000 34	81 208 18 43	G	82/054	C=181,B=28
HD 37903	NRDAW	05 39 06.9	-02 16 57	7.82	E0.36	B1 V	20	LWR 11162	L	L	0	000 34	81 208 19 10	G	82/054	C=4X,B=28
HD 269928A	HSDBS	05 39 07.9	-69 06 48	12.2	E0.23	WN6	11	LWR 10646	L	S	0	100 33	81 138 17 34	G	81/356	C=2X,B=48
HD 269928A	HSDBS	05 39 07.9	-69 06 48	12.2	E0.23	WN6	11	LWR 10646	L	L	0	100 33	81 138 19 19	G	81/356	C=1.5X,B=48
HD 269928	HSDBS	05 39 07.9	-69 06 47	12.2	E0.23	WN	11	SWP 14005	L	L	0	030 00	81 140 15 45	G	81/355	E=255,C=225,B=83
HD 269928	HSDBS	05 39 07.9	-69 06 47	12.2	E0.23	WN	11	LWR 11562	L	L	0	015 00	81 259 04 47	G	82/103	C=220,B=29
HD 269928	HSDBS	05 39 07.9	-69 06 47	12.2	E0.23	WN	11	LWR 11562	L	S	0	013 00	81 259 05 05	G	82/103	C=150,B=29
HD 38282	HSDBS	05 39 09.9	-69 03 46	11.1	E0.09	WN6 SD	11	LWR 10629	L	L	0	006 00	81 136 22 13	G	81/354	C=230,B=30
HD 38282	HSDBS	05 39 09.9	-69 03 46	11.1	E0.09	WN6 SD	11	LWR 10629	L	S	0	006 00	81 136 22 33	G	81/354	C=140,B=30
HD 38282	HSDBS	05 39 09.9	-69 03 46	11.1	E0.09	WN6 SD	11	SWP 13981	L	L	0	005 00	81 136 22 56	G	81/354	E=1.1X,C=124,B=24

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	ID HR MN	ST	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 38282	HSDBS	05 39 09.9	-69 03 46	11.1	EO.09	WN6 SD	11	SWP 13981	L	S	0	005 00	81 136	23 05	G	81/354	E-1.1X,C=90,B=24
FD 73	UK467	05 39 52.0	-68 46 00	16.0			70	LWR 10792	L	L	0	060 00	81 157	04 48	V	/	333
HD 38087	NRDAW	05 40 29.9	-02 20 04	8.30	EO.35	B3	21	SWP 14569	L	S	0	003 19	81 208	13 42	G	82/054	C=202,B=70
HD 38087	NRDAW	05 40 29.9	-02 20 04	8.30	EO.35	B3	21	SWP 14569	L	L	0	001 09	81 208	13 52	G	82/054	C=212,B=70
HD 38087	NRDAW	05 40 29.9	-02 20 04	8.30	EO.35	B3	21	LWR 11159	L	S	0	007 29	81 208	14 10	G	82/054	C=2.5X,B=63
HD 38087	NRDAW	05 40 29.9	-02 20 04	8.30	EO.35	B3	21	LWR 11159	L	L	0	001 29	81 208	14 22	G	82/054	C=1.5X,B=63
S134	CBDSS	05 40 35.9	-69 23 59	12.1		09	13	LWR 11047	L	L	0	020 00	81 192	13 55	G	82/039	E=106,C=215,B=32
S134	CBDSS	05 40 35.9	-69 23 59	12.1		09	13	SWP 14447	L	L	0	030 00	81 192	14 24	G	82/039	E=7X,C=150,B=44
S134	CBDSS	05 40 36.0	-69 24 00	12.1		09	13	SWP 15117	L	L	0	030 00	81 271	14 44	G	82/115	E=1.5X,C=165,B=27
S134	CBDSS	05 40 36.0	-69 24 00	12.1		09	13	LWR 11634	L	L	0	020 00	81 271	15 19	G	82/115	C=255,B=32
HD 38393	CCDJL	05 42 22.5	-22 27 47	3.8		F6 V	41	SWP 13790	L	L	0	060 00	81 113	20 37	G	81/326	5X,B=116
HD 38393	CCDJL	05 42 22.5	-22 27 47	3.8		F6 V	41	LWR 10423	H	L	0	050 00	81 113	21 41	G	81/326	C=3X,B=155
HD 38393	CCDJL	05 42 22.6	-22 27 48	3.8		F6 V	41	LWR 11717	H	L	0	009 00	81 280	13 33	G	82/124	E=99,C=1.5X,B=42
MGC 2100	EG546	05 42 23.0	-69 15 00	9.6			83	SWP 14738	L	L	0	040 00	81 224	22 21	V	/	401
MGC 2100	EG546	05 42 23.0	-69 15 00	9.6			83	LWR 11302	L	L	0	040 00	81 224	23 05	V	/	501 MICROPHONICS
B01	MLDPH	05 42 23.5	-69 15 35	11.8		B6 IB	25	SWP 14933	L	L	0	030 00	81 252	03 18	G	82/098	C=80,B=25
B01	MLDPH	05 42 23.5	-69 15 35	11.8		B6 IB	25	SWP 14933	L	S	0	010 00	81 252	03 57	G	82/098	C=45,B=25
B01	MLDPH	05 42 23.5	-69 15 35	11.8		B6 IB	25	LWR 11494	L	L	0	025 00	81 252	04 12	G	82/098	C=200,B=30
B01	MLDPH	05 42 23.5	-69 15 35	11.8		B6 IB	25	LWR 11519	L	L	0	030 00	81 255	05 59	G	82/102	C=220,B=33
B01	MLDPH	05 42 23.5	-69 15 35	11.8		B6 IB	25	SWP 14962	L	L	0	060 00	81 255	06 48	G	82/102	C=140,B=26
B20	MLDPH	05 42 24.2	-69 14 47	13.7		B0 V	24	SWP 14952	H	L	0	410 00	81 254	00 57	G	82/110	C=145,B=72
B20	MLDPH	05 42 26.8	-69 14 57	13.7		B0 V	24	SWP 14935	L	L	0	040 00	81 252	06 32	G	82/101	C=103,B=33
B20	MLDPH	05 42 26.8	-69 14 57	13.7		B0 V	24	LWR 11496	L	L	0	035 00	81 252	07 14	G	82/101	C=180,B=32
B20	MLDPH	05 42 26.8	-69 14 57	13.7		B0 V	23	SWP 14960	L	L	0	080 00	81 255	02 36	G	82/101	C=180,B=33
B27	MLDPH	05 42 28.0	-69 15 04	12.2		B5 II	24	LWR 11518	L	L	0	025 00	81 255	04 00	G	82/101	C=120,B=30
B27	MLDPH	05 42 28.0	-69 15 04	12.2		B5 II	24	SWP 14961	L	L	0	085 00	81 255	04 29	G	82/101	C=115,B=28
NGC 2100 C31	MLDPH	05 42 30.9	-69 15 45	12.6		B2 III	23	SWP 14959	L	L	0	075 00	81 255	00 37	G	82/101	C=170,B=23
C31	MLDPH	05 42 31.0	-69 15 45	12.6		B2 III	24	SWP 14934	L	L	0	040 00	81 252	04 49	G	82/098	C=120,B=27
C31	MLDPH	05 42 31.0	-69 15 45	12.6		B2 III	24	LWR 11495	L	L	0	025 00	81 252	05 45	G	82/098	C=1885,B=30
C31	MLDPH	05 42 31.0	-69 15 45	12.6		B2 III	23	SWP 14944	H	L	0	445 00	81 253	00 24	G	82/110	C=160,B=80
HD 38666	RPSTD	05 44 08.2	-32 19 27	5.16	EO.01	O9 IV	12	SWP 14340	L	L	0	000 01	81 177	21 21	G	82/033	C=220,B=20,TRLD
HD 38666	RPSTD	05 44 08.2	-32 19 27	5.16	EO.01	O9 IV	12	LWR 10954	L	L	0	000 02	81 177	21 31	G	82/026	C=200,B=28,TRLD
HD 38666	PHCAL	05 44 08.4	-32 19 27	5.2	EO.02	O9 IV	12	LWR 11153	H	L	0	001 14	81 207	19 34	G	82/049	C=30%,B=35
HD 38666	PHCAL	05 44 08.4	-32 19 27	5.2	EO.02	O9 IV	12	SWP 14566	H	L	0	001 00	81 207	19 39	G	82/049	C=255,B=40
FS AUR	CVDHB	05 44 38.3	+28 34 12	14.4			63	SWP 14733	L	L	0	090 00	81 224	10 54	G	82/070	C=120,B=93
S 61	CBDSS	05 46 00.0	-67 14 00	10.0		O9	13	LWR 11060	L	L	0	010 00	81 194	18 56	G	82/041	C=210,B=28
S 61	CBDSS	05 46 00.0	-67 14 00	12.0		O9	13	SWP 15124	L	L	0	020 00	81 272	14 06	G	82/117	C=1.5X,B=32
S 61	CBDSS	05 46 00.0	-67 14 00	12.0		O9	13	LWR 11641	L	L	0	010 00	81 272	14 39	G	82/117	C=1X,B=33
GD 257	CBDJL	05 48 03.5	+00 05 07	15.1	EO.05		37	SWP 15509	L	L	0	060 00	81 321	07 55	G	82/165	C=140,B=45
G D 257	CBDJL	05 48 03.5	+00 05 07	15.1	EO.05		37	LWR 11986	L	L	0	060 00	81 321	09 03	G	82/172	C=130,B=63

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	G D 257	CBDJL	05	48	03.5	+00	05	07	15.1	EO.05			37	SWP 15510	L	L	0	094	00	81	321	10	14	G	82/165		C=2X,B=62
	56 ORI	MGDDM	05	49	51.5	+01	51	00	4.7		K2	II	46	LWR 10269	H	L	0	040	00	81	092	18	14	G	81/301		NO COMMENTS
	CHI1 ORI	CCDTA	05	51	25.0	+20	16	07	4.4		GO	V	44	LWR 10268	H	L	0	015	00	81	092	10	35	G	81/299		E=198,C=1.2,B=32
	CHI1 ORI	CCDTA	05	51	25.0	+20	16	07	4.4		GO	V	44	SWP 13643	H	L	0	420	00	81	092	10	55	G	81/302		E=247,C=1.5X,B=105
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	LWR 11716	H	L	0	015	00	81	280	12	02	G	82/124		E=236,C=1.5X,B=45
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	SWP 15198	L	L	0	035	16	81	280	12	28	G	82/124		E=253,C=2X,B=68
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	LWR 11726	H	L	0	015	00	81	281	11	37	G	82/124		E=211,C=1.1X,B=32
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	SWP 15205	L	L	0	050	00	81	281	12	04	G	82/124		E=85,C=2X,B=32
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	LWR 11731	H	L	0	015	00	81	282	11	47	G	82/126		E=200,C=220,B=32
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	SWP 15213	L	L	0	045	00	81	282	12	09	G	82/126		E=94,C=1.5X,B=46
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	LWR 11741	H	L	0	015	00	81	283	08	55	G	82/129		E=225,C=1.5X,B=32
HD	39587	CSDTS	05	51	25.2	+20	16	07	4.4	EO.0	GO	V	44	SWP 15224	L	L	0	045	00	81	283	09	14	G	82/129		E=74,C=2X,B=30
HD	39801	LGDRS	05	52	27.0	+07	23	30	0.8		M2	IAB	49	SWP 14775	H	L	0	930	00	81	229	17	52	G	82/074		E=12X,C=200,B=120
HD	39801	LGDRS	05	52	27.0	+07	23	30	0.8		M2	IAB	49	LWR 11361	H	L	0	002	29	81	230	09	37	G	82/074		E=181,C=80,B=27
HD	39801	CCDRS	05	52	27.8	+07	23	58	0.86		M2	IB	49	LWR 11360	H	L	0	002	29	81	229	17	31	G	82/074		E=160,C=80,B=25
	HD39801	OE589	05	52	28.0	+07	24	00	00.9				49	SWP 14775	H	L	0	930	00	81	229	17	52	V	/		389 STARTED READ AT
NGC	2134	GCDAC	05	52	41.9	-71	07	00	11.0				83	SWP 13749	L	L	0	180	00	81	108	22	21	G	81/327		C=155,B=90
NGC	2134	GCDAC	05	52	42.0	-71	07	00	11.0				83	SWP 13748	L	L	0	130	00	81	108	17	10	G	81/327		C=170,B=119
NGC	2134	GCDAC	05	52	42.0	-71	07	00	11.0				83	LWR 10382	L	L	0	170	00	81	108	19	26	G	81/326		C=225,B=100
	HD 5394	UK473	05	53	40.0	+60	27	00	02.6				14	SWP 15139	H	L	0	000	08	81	273	19	55	V	/		501
HD	41335	BEDGP	06	01	47.5	-06	42	18	5.2	EO.05	B1	IV	26	LWR 11591	H	L	0	002	20	81	263	11	04	G	82/105		C=210,B=33
HD	41335	BEDGP	06	01	47.5	-06	42	18	5.2	EO.05	B1	IV	26	SWP 15054	H	L	0	003	30	81	263	11	11	G	82/105		C=240,B=40
HD	41335	BEDGP	06	01	47.6	-06	42	19	5.2	EO.20	B1	IV	26	SWP 15477	H	L	0	003	30	81	316	05	07	G	82/158		C=210,B=38
HD	41335	BEDGP	06	01	47.6	-06	42	19	5.2	EO.20	B1	IV	26	LWR 11961	H	L	0	002	00	81	316	05	14	G	82/160		C=190,B=31
	HD 41335	UK475	06	01	48.0	-06	42	00	5.2				59	SWP 15255	H	L	0	001	50	81	286	20	42	V	/		401
BD	+23 1179	IEDBS	06	02	03.0	+23	23	54	10.3		B0	IV	20	LWR 11608	L	L	0	018	00	81	266	07	33	G	82/110		C=1.5X,B=33
BD	+23 1179	IEDBS	06	02	03.0	+23	23	54	10.3		B0	IV	20	SWP 15081	L	L	0	030	00	81	266	08	01	G	82/110		C=180,B=20
BD	+23 1179	IEDBS	06	02	03.0	+23	23	54	10.3		B0	IV	20	LWR 11609	L	L	0	050	00	81	266	08	37	G	82/110		C=2-3X,B=37
BD	+23 1179	IEDBS	06	02	03.0	+23	23	54	10.3		B0	IV	20	LWR 11609	L	S	0	015	00	81	266	09	34	G	82/110		C=150,B=37
BD	+20 1278	IEDBS	06	06	01.9	+20	38	41	10.8		B2	V	20	LWR 11611	L	L	0	020	00	81	266	11	48	G	82/111		C=245,B=33
BD	+20 1278	IEDBS	06	06	01.9	+20	38	41	10.8		B2	V	20	LWR 11611	L	S	0	020	00	81	266	12	14	G	82/111		C=150,B=33
BD	+20 1278	IEDBS	06	06	01.9	+20	38	41	10.8		B2	V	20	SWP 15083	L	L	0	015	00	81	266	12	39	G	82/111		C=100,B=21
BD	+20 1278	IEDBS	06	06	01.9	+20	38	41	10.8		B2	V	20	SWP 15083	L	S	0	020	00	81	266	13	00	G	82/111		C=73,B=26
	MKN 3	UK364	06	09	48.0	+71	03	00	13.4				84	SWP 13738	L	L	0	428	00	81	107	02	39	V	/		254
	MKN 3	QSDHS	06	09	48.1	+71	03	00	10.5				84	SWP 14477	L	L	0	060	00	81	196	10	45	G	82/041		E=47,B=21
	OOLMCP40	NPDSM	06	10	36.4	-67	55	33					70	LWR 10684	L	L	0	030	00	81	143	15	23	G	81/361		E=213,B=58
	OOLMCP40	NPDSM	06	10	36.5	-67	55	33					70	SWP 14032	L	L	0	320	00	81	143	08	27	G	81/361		E=248,C=105,B=62
	OOLMCP40	NPDSM	06	10	36.5	-67	55	33	16.0				70	FES 1329	D	2				81	143	09	51	G	81/348		EXP=10,000
	OOLMCP40	NPDSM	06	10	36.5	-67	55	33					70	LWR 10683	L	L	0	047	00	81	143	13	53	G	81/361		B=50
	OOLMCP40	NPDSM	06	10	36.5	-67	55	33					70	SWP 14033	L	L	0	030	00	81	143	14	48	G	81/361		E=149,B=72

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	OOLMCP40	NPDSM	06 10 36.5	-67 55 33	16.0			70	SWP 14074	L	L	0	090 00	81 146	00 34	G	81/362	E=218,B=28
	OOLMCP40	NPDSM	06 10 36.5	-67 55 33	16.0			70	LWR 10712	L	L	0	240 00	81 146	02 07	G	81/361	E=182,C=80,B=65
	OOLMCP40	NPDSM	06 10 36.5	-67 55 33	16.0			70	FES 1330	D	2		104 00	81 146	03 34	G	81/351	NO COMMENTS
	KR AUR	CVDHB	06 12 33.7	+28 36 10	11.0			63	SWP 14734	L	L	0	050 00	81 224	13 11	G	82/068	C=142,B=72
	KR AUR	CVDHB	06 12 33.7	+28 36 10	11.0			63	LWR 11299	L	L	0	065 00	81 224	14 06	G	82/070	C=238,B=66
	PW-1	NPDJK	06 15 23.1	+55 37 59	15.4		PN	70	SWP 15103	L	L	0	056 00	81 269	12 28	G	82/115	C=230,B=17
	BPM18164	UK405	06 15 32.0	-59 11 00	14.0			29	SWP 14156	L	L	0	100 00	81 153	02 36	V	/	401
	BPM18164	UK405	06 15 32.0	-59 11 00	14.0			29	LWR 10760	L	L	0	085 00	81 153	04 21	V	/	502
	IC 2165	NPDJH	06 19 24.2	-12 57 40	12.0			70	LWR 10507	L	L	0	390 00	81 123	09 29	G	81/333	E=10X,C=10X,B=65
	MU GEM	RPSTD	06 19 56.0	+22 32 27	4.84	EO.14	A5 IB	49	LWR 11825	L	L	0	005 00	81 296	11 28	G	82/138	E=222,X=95,C=28,TRLD
HD	44537	CCDRS	06 21 03.0	+49 18 30	4.9		K5 IAB	47	LWR 10272	L	L	0	005 00	81 092	22 12	G	81/302	E=212,C=95,B=25
HD	44537	CCDRS	06 21 03.0	+49 18 30	4.9		K5 IAB	47	LWR 10498	H	L	0	045 00	81 121	22 29	G	81/333	E=111,B=40
HD	44537	CCDRS	06 21 03.0	+49 18 30	4.9		K5 IAB	47	SWP 13862	L	L	0	030 00	81 121	23 17	G	81/333	C=30,B=30
HD	44953	BPDJJ	06 21 37.8	-19 45 29	6.6		B8 V	27	SWP 14978	H	L	0	016 00	81 256	13 51	G	82/102	C=2X,B=62
HD	44953	BPDJJ	06 21 37.8	-19 45 29	6.6		B8 V	27	LWR 11536	H	L	0	010 00	81 256	14 23	G	82/102	C=1.5X,B=43
HD	44953	BPDJJ	06 21 37.8	-19 45 29	6.6		B8 V	27	SWP 14979	H	L	0	012 00	81 256	14 51	G	82/102	C=210,B=43
HD	44953	BPDJJ	06 21 37.8	-19 45 29	6.6		B8 V	27	LWR 11537	H	L	0	008 00	81 256	15 24	G	82/102	C=245,B=35
HD	45088	FSDJL	06 23 14.0	+18 47 18	6.8		K2 V	46	SWP 15154	L	L	0	060 00	81 275	11 37	G	82/117	C=105,B=90
HD	45166	UK431	06 23 30.0	+08 01 00	10.0			10	LWR 11497	H	L	0	080 00	81 252	17 20	V	/	433
HD	45166	UK431	06 23 30.0	+08 01 00	10.0			10	SWP 14943	H	L	0	070 00	81 252	18 46	V	/	341
H	45166	UK332	06 23 36.0	+08 00 00	9.9			10	LWR 10455	H	L	0	100 00	81 117	02 06	V	/	355
HD	45314	IGDLC	06 24 24.4	+14 55 15	7.1		O9	13	SWP 14835	H	L	0	030 00	81 239	15 15	G	82/091	C=2X,B=62
RT	AUR	DCDAH	06 25 21.3	+30 31 33	5.4		F2 IB	53	LWR 11698	L	L	0	002 30	81 279	08 41	G	82/118	E=248,C=235,B=30
RT	AUR	DCDAH	06 25 21.3	+30 31 33	5.4		F2 IB	53	LWR 11698	L	S	0	005 00	81 279	08 48	G	82/118	E=255,C=240,B=30
RT	AUR	DCDAH	06 25 21.3	+30 31 33	5.4		F2 IB	53	SWP 15191	L	L	0	009 00	81 279	08 59	G	82/118	E=47,C=43,B=34
RT	AUR	DCDAH	06 25 21.3	+30 31 33	5.4		F2 IB	53	LWR 11699	L	S	0	010 00	81 279	09 32	G	82/118	E=2X,C=2X,B=40
RT	AUR	DCDAH	06 25 21.3	+30 31 33	5.4		F2 IB	53	LWR 11699	L	L	0	005 00	81 279	09 50	G	82/118	E=255,C=255,B=40
HD	46106	RPSTD	06 28 58.7	+05 03 47	7.91	EO.44	B0 V	20	SWP 14777	L	L	0	001 40	81 230	14 39	G	82/083	C=123,B=25,TRLD
HD	46106	RPSTD	06 28 58.8	+05 03 47	7.91	EO.44	B0 V	20	LWR 11364	L	L	0	006 40	81 230	13 40	G	82/083	C=3.3X,B=35,TRLD
HD	46223	RPSTD	06 29 29.8	+04 51 38	7.27		O4	12	LWR 11362	L	L	0	001 11	81 230	11 13	G	82/074	C=190,B=28,TRLD
HD	46223	RPSTD	06 29 29.8	+04 51 38	7.3	EO.21	O4 V	12	SWP 14776	L	L	0	002 36	81 230	12 10	G	82/074	E=185,C=207,B=27,TRL
HD	46223	RPSTD	06 29 29.8	+04 51 38	7.3	EO.21	O4 V	12	LWR 11363	L	L	0	004 43	81 230	12 22	G	82/074	C=4X,B=30,TRLD
H	47129	UK414	06 34 43.0	+06 11 00	6.1			14	SWP 13924	H	L	0	015 00	81 128	06 24	V	/	701
HD	47152	BPDJJ	06 35 12.8	+29 01 45	5.5		B9 V	27	SWP 14948	H	S	0	050 00	81 253	13 13	G	82/098	C=255,B=62
HD	47152	BPDJJ	06 35 12.8	+29 01 45	5.5		B9 V	27	LWR 11505	H	S	0	030 00	81 253	14 10	G	82/098	C=255,B=43
HD	47152	BPDJJ	06 35 12.8	+29 01 45	5.5		B9 V	27	SWP 14949	H	S	0	060 00	81 253	14 46	G	82/098	C=2-3X,B=61
HD	47152	BPDJJ	06 35 12.8	+29 01 45	5.5		B9 V	27	LWR 11514	H	S	0	030 00	81 254	14 39	G	82/101	C=2X,B=42
HD	47152	BPDJJ	06 35 12.8	+29 01 45	5.5		B9 V	27	SWP 14957	H	S	0	035 00	81 254	15 14	G	82/105	C=200,B=41
	0637-752	LM529	06 37 25.0	-75 14 00	15.5			87	SWP 14867	L	L	0	240 00	81 242	20 07	V	/	302
	0637-752	LM529	06 37 25.0	-75 14 00	15.5			87	LWR 11445	L	L	0	087 00	81 243	00 20	V	/	103 MICROPHONICS

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P R	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	47755	OD48B	06 37 53.2	+09 50 08	8.4	EO.12	B2	20	SWP 13867	H	L	L	0 045 00	81 122	16 38	G	81/333	C=205,B=80
HD	47755	OD48B	06 37 53.2	+09 50 08	8.4	EO.12	B2	20	LWR 10504	L	L	L	0 000 49	81 122	17 27	G	81/341	C=225,B=25
HD	47755	OD48B	06 37 53.2	+09 50 08	8.4	EO.12	B2	20	LWR 10505	L	S	L	0 000 50	81 122	18 15	G	81/341	C=170,B=25
HD	47755	OD48B	06 37 53.2	+09 50 08	8.4	EO.12	B2	20	SWP 13868	L	L	L	0 000 39	81 122	18 22	G	81/341	C=180,B=20
HD	47755	OD48B	06 37 53.2	+09 50 08	8.4	EO.12	B2	20	SWP 13868	L	S	L	0 000 40	81 122	18 27	G	81/341	C=120,B=20
	LANN 14	OX4AB	06 40 40.4	+01 33 14	15.0		O	16	SWP 15564	L	L	L	0 020 00	81 329	02 58	G	82/175	C=95,B=32
	HD 48279	RK523	06 40 48.0	+01 46 00	7.8			24	LWR 11805	H	L	L	0 042 00	81 291	20 59	V	/	503 MN=196
	E0643-16	JB601	06 43 03.0	-16 48 00	13.2			59	SWP 14041	L	L	L	0 040 00	81 144	02 54	V	/	331
	E0643-16	JB601	06 43 03.0	-16 48 00	13.2			59	LWR 10692	L	L	L	0 030 00	81 144	03 38	V	/	332
	E0643-16	JB601	06 43 03.0	-16 48 00	13.2			59	SWP 14055	L	L	L	0 060 00	81 145	02 43	V	/	351
HR	2494	IGDLC	06 43 48.8	+08 38 30	5.8		B3 V	21	SWP 14836	H	L	L	0 006 45	81 239	16 14	G	82/091	C=2X,B=52
	HE3=EG50	IGDAD	06 44 14.7	+37 34 58	12.1	EO.00		17	SWP 13779	H	L	L	0 345 00	81 112	11 11	G	81/323	C=200,B=105
HD	49606	BPDJJ	06 46 57.1	+16 15 41	5.7		B8 III	27	LWR 11522	H	S	L	0 012 00	81 255	12 18	G	82/102	C=1.5X,B=40
HD	49606	BPDJJ	06 46 57.1	+16 15 41	5.7		B8 III	27	SWP 14965	H	S	L	0 016 40	81 255	12 37	G	82/102	C=2X,B=54
HD	49606	BPDJJ	06 46 57.1	+16 15 41	5.7		B8 III	27	LWR 11523	H	S	L	0 010 00	81 255	13 09	G	82/102	C=220,B=38
HD	49606	BPDJJ	06 46 57.1	+16 15 41	5.7		B8 III	27	SWP 14966	H	S	L	0 010 00	81 255	13 39	G	82/102	C=190,B=42
HD	50013	MLDGP	06 47 58.4	-32 26 58	4.0	EO.0	B2 V	26	SWP 15029	H	L	L	0 000 30	81 261	10 04	G	82/105	C=240,B=40
GC	8976	PHCAL	06 48 57.8	+23 39 44	5.77			45	FES 1345	D	2		160 00	81 325	08 39	G	82/164	NO COMMENTS
	HD 50064	UK410	06 49 00.0	+00 21 00	8.2			25	LWR 11721	L	L	L	0 060 00	81 280	18 06	V	/	802 MOD REF POS
	HD 50064	UK410	06 49 00.0	+00 21 00	8.2			25	LWR 11721	L	L	L	0 007 30	81 280	19 11	V	/	602 MOD REF POS
	HD 50064	UK410	06 49 00.0	+00 21 00	8.2			25	SWP 15200	L	L	L	0 050 00	81 280	19 22	V	/	501
	HD 50064	UK410	06 49 00.0	+00 21 00	8.2			25	LWR 11722	L	L	L	0 004 00	81 280	20 22	V	/	501 MN=529
	H 50064	UK414	06 49 00.0	+00 21 00	8.2			25	LWR 10513	L	L	L	0 020 00	81 124	04 46	V	/	703
	H 50896	HN530	06 52 08.0	-23 52 00	6.5			11	LWR 10476	L	L	L	0 000 12	81 120	03 29	V	/	571
	H 50896	HN530	06 52 08.0	-23 52 00	6.5			11	LWR 10476	L	S	L	0 000 20	81 120	03 32	V	/	571
	H 50896	HN530	06 52 08.0	-23 52 00	6.5			11	LWR 10477	H	L	L	0 024 00	81 120	04 05	V	/	683
	H 50896	HN530	06 52 08.0	-23 52 00	6.5			11	SWP 13844	L	L	L	0 000 04	81 120	04 32	V	/	561
	H 50896	HN530	06 52 08.0	-23 52 00	6.5			11	SWP 13844	L	S	L	0 000 03	81 120	04 36	V	/	461
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9		WN5	11	SWP 14109	H	L	L	0 006 00	81 149	16 24	G	81/361	E=3X,C=180,B=40
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9		WN5	11	SWP 14136	L	L	L	0 000 05	81 151	18 24	G	82/003	E=4.5X,C=180,B=25
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9		WN5	11	SWP 14136	L	S	L	0 000 02	81 151	18 36	G	82/003	E=213,C=50,B=25
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9		WN5	11	SWP 14137	H	L	L	0 002 00	81 151	19 06	G	82/003	E=2X,C=125,B=27
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9	EO.13	WN	11	SWP 14175	L	L	L	0 000 04	81 154	18 41	G	82/005	E=1.5X,C=110,B=25
HD	50896	WRDPM	06 52 08.3	-23 51 52	6.9	EO.13	WN	11	SWP 14175	L	S	L	0 000 01	81 154	18 46	G	82/005	E=1.5X,C=110,B=25
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	LWR 10551	L	L	L	0 000 01	81 129	00 42	V	/	502
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	LWR 10551	L	S	L	0 000 02	81 129	00 47	V	/	502
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	SWP 13936	L	L	L	0 000 03	81 129	00 50	V	/	601
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	SWP 13936	L	S	L	0 000 05	81 129	00 56	V	/	501
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	LWR 10552	H	L	L	0 002 00	81 129	01 51	V	/	702
	H 51309	AH510	06 53 54.0	-16 59 00	4.4			24	SWP 13937	H	L	L	0 003 00	81 129	01 57	V	/	601

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	52432	CSDHJ	06 58 31.9	-03 10 50	7.5		R5 III	50	LWR 11845	L	L	0	090 00	81 299	09 42	G	82/146	C=186,B=80
HR	2633	IGDLC	06 59 15.1	+05 37 48	6.5		B2	21	SWP 14837	H	L	0	055 00	81 239	16 50	G	82/084	C=2X,B=66
	Z CMA	CB515	07 01 23.0	-11 29 00	9.5			27	LWR 11859	H	L	0	410 07	81 301	14 45	V	/	229 MN=199
HD	54605	RPSTD	07 06 21.4	-26 18 44	1.80	E0.12	F8 IB	41	LWR 11823	L	L	0	000 11	81 296	08 44	G	82/138	C=165,B=24,TRLD
HD	54605	RPSTD	07 06 21.4	-26 18 44	1.80	E0.12	F8 IB	41	SWP 15317	L	L	0	012 36	81 296	08 55	G	82/138	C=225,B=24,TRLD
HD	55857	RPSTD	07 11 35.3	-27 16 10	6.11	E0.02	B0 V	20	SWP 14339	L	L	0	000 05	81 177	20 04	G	82/033	C=205,B=23,TRLD
HD	55857	RPSTD	07 11 35.3	-27 16 10	6.11	E0.02	B0 V	20	LWR 10953	L	L	0	000 06	81 177	20 36	G	82/033	C=200,B=27,TRLD
HD	56014	OD57B	07 12 12.8	-26 15 54	4.65	E-.20	B4 V	60	LWR 11066	H	L	0	000 49	81 196	16 12	G	82/046	C=210,B=33
HD	56014	OD57B	07 12 12.8	-26 15 54	4.65	E-.20	B4 V	60	SWP 14481	H	L	0	001 29	81 196	16 16	G	82/041	C=245,B=40
HD	56139	MLDGP	07 12 46.9	-26 41 05	3.9	E0.05	B2 IV	26	SWP 15028	H	L	0	001 00	81 261	09 28	G	82/105	C=230,B=38
HD	57364	RSDCB	07 18 20.0	-05 09 55	8.6		G8 III	39	LWR 11558	L	L	0	009 00	81 258	15 24	G	82/101	E=184,C=75,B=25
HD	56863	IGDHW	07 20 19.8	+75 42 42	7.5		A0	30	LWR 11420	H	L	0	072 00	81 240	02 42	G	82/091	C=190,B=35
HD	56863	IGDHW	07 20 19.8	+75 42 42	7.5		A0	30	LWR 11424	H	L	0	120 00	81 240	09 11	G	82/091	C=1.5X,B=70
HD	58260	HRDPB	07 21 31.8	-36 14 33	6.7		B3 III	24	SWP 14441	H	L	0	008 00	81 191	16 22	G	82/041	C=185,B=50
HD	58260	HRDPB	07 21 31.8	-36 14 33	6.7		B3 III	24	SWP 14458	H	L	0	009 00	81 193	15 47	G	82/046	E=162,C=195,B=41
HD	58260	HRDPB	07 21 31.8	-36 14 33	6.7		B3 III	24	SWP 14471	H	L	0	010 00	81 195	15 35	G	82/046	C=205,B=43
HD	58260	HRDPB	07 21 31.8	-36 14 33	6.7		B3 III	24	SWP 14490	H	L	0	010 00	81 197	15 32	G	82/046	C=200,B=43
HD	58260	HRDPB	07 21 31.8	-36 14 33	6.7		B3 III	24	SWP 14507	H	L	0	010 00	81 199	16 00	G	82/041	C=203,B=39
HD	58260	HRDPB	07 21 31.8	-36 14 33	4.8		B2 III	24	SWP 14658	H	L	0	010 00	81 217	12 19	G	82/062	C=215,B=60
	MKN 7	JH505	07 22 19.0	+72 40 00	14.0			88	LWR 10572	L	L	0	160 00	81 131	00 52	V	/	***
	MKN 8	JH505	07 23 38.0	+72 14 00	14.2			88	LWR 10976	L	L	0	160 00	81 181	22 54	V	/	304
HD	58978	BEDGP	07 24 52.1	-22 59 02	5.48	E0.16	B0 IV	26	SWP 14910	H	L	0	003 15	81 248	15 46	G	82/110	C=240,B=43
HD	58978	BEDGP	07 24 52.1	-22 59 02	5.48	E0.16	B0 IV	26	SWP 15053	H	L	0	003 10	81 263	10 28	G	82/105	C=250,B=40
HD	58978	BEDGP	07 24 52.2	-22 59 03	5.5	E0.16	B0 IV	26	SWP 15478	H	L	0	002 30	81 316	05 51	G	82/160	C=190,B=35
	YM-29	NPDJK	07 26 14.4	+13 20 43	15.9		PN	70	SWP 15102	L	L	0	065 00	81 269	10 39	G	82/115	C=200,B=18
	RWT 152	GHDBS	07 27 23.9	-02 00 00	13.0	E0.14	O5 V	12	SWP 13977	L	L	0	010 00	81 136	15 45	G	81/354	E=91,C=130,B=30
	RWT 152	GHDBS	07 27 23.9	-02 00 00	13.0	E0.14	O5 V	12	SWP 13977	L	S	0	010 00	81 136	16 05	G	81/354	E=91,C=90,B=34
	RWT 152	GHDBS	07 27 23.9	-02 00 00	13.0	E0.07	O5 V	12	LWR 10625	L	L	0	010 00	81 136	16 29	G	81/354	C=140,B=34
	RWT 152	GHDBS	07 27 23.9	-02 00 00	13.0	E0.07	O5 V	12	LWR 10625	L	S	0	010 00	81 136	16 48	G	81/354	C=110,B=34
	RWT 152	IEDBS	07 27 23.9	-02 00 00	13.1	E0.14	O5 V	12	SWP 13984	L	L	0	045 00	81 137	08 50	G	81/354	E=182,C=145,B=20
	RWT 152	GHDBS	07 27 24.0	-02 00 19	13.0	E0.14	O5 V	12	SWP 14004	H	L	0	360 00	81 140	08 59	G	81/356	E=157,C=160,B=85
HD	59612	RPSTD	07 27 43.8	-22 55 08	4.8	E0.14	A5 IB	33	LWR 11748	L	L	0	001 10	81 284	08 21	G	82/129	C=180,B=26,TRLD
HD	59612	RPSTD	07 27 43.8	-22 55 09	4.8	E0.14	A5 IB	33	SWP 15234	L	L	0	002 10	81 284	08 31	G	82/129	C=100,B=26,TRLD
HD	59612	RPSTD	07 27 43.8	-22 55 08	4.84	E0.14	A5 IB	33	LWR 11824	L	L	0	002 30	81 296	10 16	G	82/138	C=2X,B=28
HD	59612	RPSTD	07 27 43.8	-22 55 08	4.84	E0.14	A5 IB	33	SWP 15318	L	L	0	002 46	81 296	10 30	G	82/138	C=180,B=30,TRLD
HD	59643	CSDHJ	07 28 52.7	+24 36 38	8.2		R9 III	50	SWP 15330	L	L	0	035 00	81 299	11 31	G	82/146	C=126,B=73
HD	59643	CSDHJ	07 28 52.7	+24 36 38	8.2		R9 III	50	LWR 11846	L	L	0	020 00	81 299	12 10	G	82/146	E=199,C=105,B=33
HD	60753	NPDJH	07 32 08.0	-50 28 29	6.6	E-.09	B3 IV	21	SWP 13876	L	L	0	000 16	81 123	21 32	G	81/335	C=120,B=50,TRLD
HD	60753	NPDJH	07 32 08.0	-50 28 29	6.69	E-.09	B3 IV	21	SWP 13877	L	L	0	000 13	81 123	22 06	G	81/335	C=190,B=150,TRLD
HD	60753	NPDJH	07 32 08.0	-50 28 29	6.69	E-.09	B3 IV	21	SWP 13878	L	L	0	000 17	81 123	22 42	G	81/335	C=200,B=122,TRLD

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	60753	NPDJH	07 32 08.0	-50 28 29	6.69	E0.46 B3	IV	21	SWP 13879	L	L	0	000 20	81 123	23 19	G	81/335	C=205,B=110,TRLD
HD	60753	NPDJH	07 32 08.0	-50 28 29	6.7	E-.09 B3	IV	21	LWR 10510	L	S	0	000 12	81 123	23 36	G	81/335	C=2X,B=130,TRLD
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	SWP 14280	L	L	0	000 10	81 170	04 06	V	/	500
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	SWP 14280	L	S	0	000 30	81 170	04 09	V	/	500
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	LWR 10903	L	L	0	000 07	81 170	04 13	V	/	501
HD	60753	PHCAL	07 32 08.0	-50 28 28			IV	21	LWR 10903	L	L	0	000 06	81 170	04 13	V	/	NO COMMENTS
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	LWR 10903	L	S	0	000 21	81 170	04 16	V	/	501
HD	60753	PHCAL	07 32 08.0	-50 28 28			IV	21	LWR 10903	L	S	0	000 20	81 170	04 17	V	/	NO COMMENTS
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	SWP 14310	L	L	0	000 10	81 174	22 26	V	/	501
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	SWP 14310	L	S	0	000 30	81 174	22 29	V	/	701
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	LWR 10941	L	L	0	000 07	81 174	22 31	V	/	502
H	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21	LWR 10941	L	S	0	000 21	81 174	22 34	V	/	602
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	LWR 11580	L	L	0	000 07	81 261	18 15	V	/	501
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	LWR 11580	L	S	0	000 21	81 261	18 19	V	/	601
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	SWP 15035	L	L	0	000 10	81 261	18 24	V	/	501
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	SWP 15035	L	S	0	000 30	81 261	18 27	V	/	601
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	LWP 1355	L	L	0	000 06	81 261	20 07	V	/	501
HD	60753	PHCAL	07 32 08.0	-50 28 00	06.7			21	LWP 1355	L	S	0	000 18	81 261	20 11	V	/	601
HD	60753	PHCAL	07 32 08.0	-50 28 29				21	SWP 15327	L	L	0	000 10	81 298	10 38	G	82/138	C=200,B=25
HD	60753	PHCAL	07 32 08.0	-50 28 29				21	LWR 11837	L	L	0	000 07	81 298	10 41	G	82/138	C=186,B=25
HD	60753	PHCAL	07 32 08.0	-50 38 29				21	LWR 11838	L	L	0	000 21	81 298	11 06	G	82/138	C=145,B=70
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 13652	L	L	0	000 30	81 094	09 35	G	81/301	C=190,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 13714	L	L	0	000 10	81 104	23 23	G	81/312	C=190,B=22
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	LWR 10351	L	L	0	000 07	81 104	23 26	G	81/312	C=190,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 13715	L	L	0	000 13	81 105	00 16	G	81/312	C=230,B=24
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	LWR 10352	L	L	0	000 10	81 105	00 19	G	81/312	C=230,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	LWR 10353	L	L	0	000 13	81 105	01 08	G	81/312	C=2X,B=26
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 13716	L	L	0	000 30	81 105	01 12	G	81/312	C=155,B=24,TRLD
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	SWP 14247	L	L	0	000 09	81 164	17 35	G	82/011	C=180,B=15
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	SWP 14247	L	S	0	000 14	81 164	17 38	G	82/011	C=138,B=15
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10848	L	L	0	000 06	81 164	21 07	G	82/011	C=180,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10848	L	S	0	000 12	81 164	21 10	G	82/011	C=180,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 14251	L	S	0	000 14	81 164	21 37	G	82/011	C=105,B=16
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	B3	IV	21	SWP 14251	L	L	0	000 09	81 164	21 40	G	82/011	C=176,B=16
HD	60753	PHCAL	07 32 08.1	-50 28 29			IV	21	SWP 14280	L	L	0	000 09	81 170	04 06	V	/	NO COMMENTS
HD	60753	PHCAL	07 32 08.1	-50 28 29			IV	21	SWP 14280	L	S	0	000 29	81 170	04 09	V	/	NO COMMENTS
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10930	L	L	0	000 31	81 173	18 42	G	82/025	C=200,B=30,TRAILED
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10931	L	L	0	000 31	81 173	19 24	G	82/025	C=200,B=30,TRD
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10932	L	L	0	000 31	81 173	19 59	G	82/025	C=200,B=30,TRD
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	E0.11 B3	IV	21	LWR 10933	L	L	0	000 31	81 173	20 48	G	82/025	C=200,B=30,TRD

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	LWR 10934	L	L	0	000 14	81 173	21 32	G	82/025	C=200,B=25
HD 60753	PHCAL	07 32 08.1	-50 28 29			IV	21	SWP 14310	L	L	0	000 09	81 174	22 26	V	/	NO COMMENTS
HD 60753	PHCAL	07 32 08.1	-50 28 29			IV	21	SWP 14310	L	S	0	000 29	81 174	22 29	V	/	NO COMMENTS
HD 60753	PHCAL	07 32 08.1	-50 28 29			IV	21	LWR 10941	L	L	0	000 06	81 174	22 31	V	/	NO COMMENTS
HD 60753	PHCAL	07 32 08.1	-50 28 29			IV	21	LWR 10941	L	S	0	000 20	81 174	22 34	V	/	NO COMMENTS
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14369	L	L	0	000 40	81 182	14 16	G	82/031	C=185,B=28,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14370	L	L	0	000 41	81 182	14 51	G	82/031	C=190,B=28,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14371	L	L	0	000 41	81 182	15 22	G	82/031	C=190,B=28,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14372	L	S	0	000 24	81 182	15 53	G	82/031	C=245,B=18
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14372	L	L	0	000 09	81 182	15 56	G	82/031	C=190,B=18
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14376	L	S	0	000 19	81 182	18 57	G	82/031	C=200,B=16
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14376	L	L	0	000 09	81 182	19 04	G	82/031	C=200,B=16
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14377	L	L	0	000 10	81 182	19 37	G	82/033	C=186,B=16,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14549	L	S	0	000 29	81 205	16 27	G	82/052	C=1.5X,B=20
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14549	L	L	0	000 09	81 205	16 31	G	82/052	C=180,B=20
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	LWR 11134	L	S	0	000 20	81 205	16 35	G	82/052	C=1.5X,B=25
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	LWR 11134	L	L	0	000 06	81 205	16 40	G	82/052	C=205,B=25
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14604	L	L	0	000 41	81 212	17 07	G	82/056	C=225,B=38,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14605	L	L	0	000 16	81 212	17 39	G	82/056	C=119,B=22,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14606	L	L	0	000 12	81 212	18 19	G	82/056	C=99,B=17,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14607	L	L	0	000 49	81 212	18 49	G	82/056	C=230,B=20,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 14608	L	L	0	000 41	81 212	19 21	G	82/056	C=205,B=17,TRLD
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	LWR 11201	L	L	0	000 06	81 212	19 39	G	82/056	C=197,B=26
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	SWP 15141	L	L	0	000 10	81 274	07 20	G	82/117	C=190,B=17
HD 60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3 IV	21	LWR 11648	L	L	0	000 07	81 274	07 25	G	82/117	C=184,B=27
NGC2403	JL542	07 32 20.0	+65 43 00	00.0			80	SWP 15126	L	L	0	165 00	81 272	17 03	V	/	352 EXTENDED IMAGE
HD 61831	RPSTD	07 37 41.5	-38 11 31	4.84	EO.02	B2 V	20	SWP 14309	L	L	0	000 04	81 174	21 05	G	82/026	C=200,B=18,TRLD
HD 61831	RPSTD	07 37 41.5	-38 11 31	4.84	EO.02	B2 V	20	LWR 10940	L	L	0	000 40	81 174	21 25	G	82/026	C=190,B=27,TRLD
HD 61827	IEDBS	07 37 54.0	-32 27 42	7.65	EO.94	O8 V	12	SWP 13978	L	S	0	030 00	81 136	17 35	G	81/358	E=134,C=1.5X,B=28
HD 61827	IEDBS	07 37 54.0	-32 27 42	7.65	EO.94	O8 V	12	SWP 13978	L	L	0	010 00	81 136	18 04	G	81/358	E=134,C=170,B=28
HD 61827	IEDBS	07 37 54.0	-32 27 42	7.65	EO.94	O8 V	12	LWR 10626	L	L	0	001 09	81 136	18 29	G	81/358	C=170,B=25
HD 61827	IEDBS	07 37 54.0	-32 27 42	7.65	EO.94	O8 V	12	LWR 10626	L	S	0	006 00	81 136	18 35	G	81/358	C=1.5X,B=25
HD 61827	IEDBS	07 37 54.0	-32 27 42	7.6	EO.62	O8	12	LWR 10649	L	L	0	008 00	81 139	15 41	G	81/356	C=2-3X,B=35
NGC 2438	NPDJK	07 39 32.3	-14 37 01	11.3			70	SWP 15501	L	L	0	180 00	81 319	05 09	G	82/160	E=116,C=86,B=50
NGC 2440	NPDJH	07 39 41.5	-18 05 26	11.0		PN	70	LWR 10508	L	L	0	090 00	81 123	16 41	G	81/333	E=8X,C=195,B=95
NGC 2440	NPDJH	07 39 41.5	-18 05 26	11.0		PN	70	SWP 13874	L	L	0	060 00	81 123	18 15	G	81/335	E=10X,C=120,B=105
NGC 2440	NPDJH	07 39 41.5	-18 05 26	10.0			70	LWR 10741	H	L	0	270 00	81 149	09 37	G	81/361	E=214,B=58
NGC 2440	NPDJH	07 39 41.5	-18 05 26	10.0			70	SWP 14108	L	L	0	070 00	81 149	14 11	G	81/361	E=10X,C=130,B=66
NGC 2440	NPDJH	07 39 41.5	-18 05 26	10.0			70	LWR 10742	L	L	0	025 00	81 149	15 25	G	81/361	E=245,C=75,B=50
NGC 2440	NPDJH	07 39 41.5	-18 05 26	11.0			70	LWR 11433	L	L	0	240 00	81 241	05 01	G	82/090	E=13X,C=4X,B=53

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NGC 2440	NPDJH	07 39 41.5	-18 05 26	11.0			70	SWP 14850	L	L	0	035 00	81 241	09 05	G	82/090	E=6-10X,C=100,B=32
HD 62509	MGDDM	07 42 15.0	+28 08 00	1.1		KO III	46	LWR 10653	H	L	0	004 00	81 139	19 09	G	81/355	E=165,C=1.5X,B=35
Q 0742+318	QSDEW	07 42 30.8	+31 50 14	16.0		QS	85	LWR 10366	L	L	0	410 00	81 106	10 59	G	81/314	E=237,C=210,B=75
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	LWR 10559	L	L	0	000 09	81 130	00 33	V	/	502
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	LWR 10559	L	S	0	000 14	81 130	00 36	V	/	502
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	SWP 13948	H	L	0	020 00	81 130	00 40	V	/	601
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	LWR 10560	H	L	0	011 00	81 130	01 08	V	/	602
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	SWP 13949	L	L	0	000 20	81 130	01 40	V	/	500
H 62832	AH510	07 43 31.0	+10 53 00	5.3			30	SWP 13949	L	S	0	000 34	81 130	01 44	V	/	500
NGC 2452	NPDLA	07 45 24.6	-27 12 43	13.1		PN	70	LWR 10558	L	L	0	120 00	81 129	19 11	G	81/351	E=118,C=80,B=20
NGC 2452	NPDLA	07 45 24.7	-27 12 43	12.6		PN	70	SWP 13946	L	L	0	199 21	81 129	15 38	G	81/351	E=161,C=85,B=60
HD 63347	IGDHW	07 48 54.5	+71 12 36	7.2		B8	22	LWR 11421	H	L	0	060 00	81 240	04 26	G	82/091	C=235,B=40
HD 63347	IGDHW	07 48 54.5	+71 12 36	7.2		B8	22	SWP 14843	H	L	0	080 00	81 240	16 29	G	82/090	C=200,B=50
HD 64096	CCDJL	07 49 26.9	-13 46 00	5.3		GO V	44	LWR 10410	H	L	0	053 00	81 112	00 56	G	81/320	E=129,C=1.5X,B=44
HD 64096	CCDJL	07 49 27.0	-13 46 00	5.3		GO V	44	SWP 15179	L	L	0	160 00	81 278	04 36	G	82/130	E=255,C=2-3X,B=80
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14442	H	L	0	001 19	81 191	17 05	G	82/041	C=1.5X,B=50
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14459	H	L	0	000 54	81 193	16 27	G	82/046	E=169,C=250,B=41
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14472	H	L	0	000 44	81 195	16 13	G	82/046	C=200,B=39
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14491	H	L	0	000 44	81 197	16 10	G	82/046	C=200,B=38
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14508	H	L	0	000 44	81 199	16 37	G	82/049	C=208,B=38
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14659	H	L	0	000 44	81 217	13 13	G	82/062	C=225,B=37
HD 64740	HRDPB	07 51 39.1	-49 28 56	4.8		B2 III	23	SWP 14686	H	L	0	000 44	81 219	17 50	G	82/066	C=220,B=36
U GEM	CVCAH	07 52 07.9	+22 08 17	14.0	EO.00	DN	54	SWP 15086	L	S	0	185 00	81 266	19 16	G	82/111	C=136,B=48
HD 64802	RPSTD	07 52 19.6	-35 44 43	5.49	EO.04	B2 V	20	SWP 14308	L	L	0	000 06	81 174	19 41	G	82/026	C=205,B=20,TRLD
HD 64802	RPSTD	07 52 19.6	-35 44 43	5.49	EO.04	B2 V	20	LWR 10939	L	L	0	000 06	81 174	20 14	G	82/026	C=200,B=25,TRLD
HD 65818	MLDGM	07 56 48.0	-49 06 31	4.3	EO.04	B1 V	20	SWP 14853	H	L	0	000 45	81 241	12 39	G	82/091	C=250,B=43
HD 65818	MLDGM	07 56 48.0	-49 06 31	4.3	EO.04	B1 V	20	LWR 11435	H	L	0	000 40	81 241	12 44	G	82/091	C=245,B=32
HD 65904	RSPTD	07 57 26.4	-45 04 43	5.98	EO.03	B4 V	21	SWP 15557	L	L	0	000 15	81 327	11 19	G	82/174	C=205,B=18,TRLD
HD 65904	RSPTD	07 57 26.4	-45 04 43	5.98	EO.03	B4 V	21	LWR 12042	L	L	0	000 16	81 327	11 27	G	82/174	C=230,B=25,TRLD
HD 65865	HSCPC	07 57 44.3	-28 35 47	11.1	EO.48	WN	11	LWR 10538	L	L	0	011 00	81 126	20 33	G	81/340	C=200,B=35
HD 65865	HSCPC	07 57 44.3	-28 35 47	11.1	EO.48	WN	11	SWP 13912	L	L	0	017 00	81 126	20 49	G	81/340	E=193,C=140,B=50
HD 65626	RSDCB	07 58 32.0	+57 24 50	6.5		GO V	39	SWP 15040	L	L	0	090 00	81 262	08 18	G	82/105	E=186,C=125,B=32
HD 65626	RSDCB	07 58 32.0	+57 24 50	6.5		GO V	39	LWR 11586	H	L	0	035 00	81 262	09 52	G	82/105	E=83,C=120,B=32
BD-32179	RK311	07 59 45.0	-03 50 00	10.2			16	LWR 11804	H	L	0	105 00	81 291	14 49	V	/	505 MN=230
H 66811	RS564	08 01 49.0	-39 52 00	2.3			15	SWP 13726	H	L	0	000 04	81 106	03 15	V	/	501
HD 66811	RS564	08 01 50.0	-39 52 00	2.2			13	SWP 15296	H	L	0	000 04	81 293	14 55	V	/	501
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1287	L	L	0	000 10	81 093	03 08	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1288	L	L	0	000 45	81 093	03 41	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1289	L	L	0	000 46	81 093	04 13	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1290	L	L	0	001 43	81 093	05 02	V	/	NO COMMENTS

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1291	L	L	0	000 34	81 093	05 39	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48	99	99		16	LWP 1292	L	L	0	000 11	81 093	06 12	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48				16	LWP 1293	L	L	0	001 08	81 093	06 47	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48				16	LWP 1294	L	L	0	001 08	81 093	07 22	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48				16	LWP 1295	L	L	0	000 11	81 093	07 58	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48				16	LWP 1296	L	L	0	000 34	81 093	08 37	V	/	NO COMMENTS
BD +75 325	PHCAL	08 04 43.0	+75 06 48				16	LWP 1297	L	L	0	001 43	81 093	09 10	V	/	NO COMMENTS
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	SWP 14276	L	L	0	000 14	81 169	22 31	V	/	500
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	SWP 14276	L	S	0	000 42	81 169	22 34	V	/	500
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	LWR 10899	L	L	0	000 24	81 169	22 38	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	LWR 10899	L	S	0	001 12	81 169	22 43	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	SWP 14312	L	L	0	000 14	81 175	01 36	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	SWP 14312	L	S	0	000 42	81 175	01 38	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	LWR 10943	L	L	0	000 24	81 175	01 42	V	/	502
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			16	LWR 10943	L	S	0	001 24	81 175	01 44	V	/	702
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			21	LWR 11581	L	L	0	000 24	81 261	21 54	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			21	LWR 11581	L	S	0	001 12	81 261	21 57	V	/	601
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			21	SWP 15036	L	L	0	000 14	81 261	22 27	V	/	501
BD+75325	PHCAL	08 04 43.0	+75 07 00	9.5			21	SWP 15036	L	S	0	000 42	81 261	22 29	V	/	601
D+75 325	UKCAL	08 04 43.0	+75 07 00	9.5			16	LWP 1325	L	L	0	000 10	81 143	00 36	V	/	509 +TFLOOD 00046
D+75 325	UKCAL	08 04 43.0	+75 07 00	9.5			16	LWP 1326	L	L	0	000 10	81 143	01 13	V	/	402
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1331	L	L	0	000 20	81 161	23 25	V	/	503
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1332	L	L	0	000 30	81 161	23 54	V	/	503
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1333	L	L	0	000 40	81 162	00 23	V	/	603
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1334	L	L	0	000 10	81 162	00 51	V	/	303
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1335	L	L	0	000 05	81 162	01 19	V	/	303
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1336	L	L	0	000 20	81 162	01 50	V	/	503
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1337	L	L	0	000 10	81 162	02 22	V	/	305 +35 S TFLOOD
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1338	L	L	0	000 10	81 162	02 54	V	/	305 +35 S TFLOOD
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1339	L	L	0	000 20	81 162	03 23	V	/	503
BD+75325	UKCAL	08 04 43.0	+75 07 00	9.7			16	LWP 1340	H	L	0	035 00	81 162	04 03	V	/	502
+75325	UKCAL	08 04 43.0	+75 07 00	9.5			16	LWR 11755	L	L	0	000 24	81 284	21 30	V	/	502 MN=412
+75325	UKCAL	08 04 43.0	+75 07 00	9.5			16	LWR 11755	L	S	0	001 12	81 284	21 34	V	/	502 MN=412
+75325	UKCAL	08 04 43.0	+75 07 00	9.5			16	SWP 15239	L	L	0	000 14	81 284	21 37	V	/	300
+75325	UKCAL	08 04 43.0	+75 07 00	9.5			16	SWP 15239	L	S	0	000 42	81 284	21 40	V	/	400
BD +75 0325	PHCAL	08 04 43.2	+75 06 48	9.5		05 SD	16	SWP 13929	L	L	0	000 13	81 128	19 06	G	81/356	C=185,B=15
BD +75 0325	PHCAL	08 04 43.2	+75 06 48	9.5		05 SD	16	SWP 13929	L	S	0	000 41	81 128	19 10	G	81/356	C=250,B=15
BD +75 0325	PHCAL	08 04 43.2	+75 06 48	9.5		05 SD	16	LWR 10549	L	L	0	000 23	81 128	19 14	G	81/356	C=200,B=30
BD +75 0325	PHCAL	08 04 43.2	+75 06 48	9.5		05 SD	16	LWR 10549	L	S	0	001 11	81 128	19 18	G	81/356	C=250,B=30
BD +75 0325	PHCAL	08 04 43.2	+75 06 48	9.5		05 SD	16	SWP 13930	L	L	0	000 43	81 128	20 11	G	81/348	C=160,B=20,TRLD

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 LWR	10550	L	L	0	001	14	81	128	20	24	G	81/355	C=180,B=30,TRLD
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	13931	L	L	0	000	43	81	128	21	12	G	81/341	C=165,B=20,TRLD
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	13931	L	S	0	000	21	81	128	21	21	G	81/341	C=160,B=20,TRLD
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	13933	L	L	0	000	43	81	128	22	45	G	81/355	C=3X,B=20
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	13934	L	L	0	000	44	81	128	23	13	G	81/355	C=175,B=15
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	13935	L	L	0	000	02	81	128	23	47	G	81/356	C=110,B=65
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-0.0	05	16 FES	1327	D	2		160	00	81	142	20	45	G	81/348	NO COMMENTS
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05	16 SWP	14026	L	L	0	000	56	81	142	21	02	G	81/361	C=205,B=33,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05	16 SWP	14027	L	L	0	000	19	81	142	21	47	G	81/361	C=100,B=20,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05	16 SWP	14028	L	L	0	001	33	81	142	22	22	G	81/361	C=1.7X,B=22,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05	16 SWP	14029	L	L	0	001	26	81	142	23	29	G	81/361	C=200,B=18,TRAILED
BD	+75 325	PHCAL	08	04	43.2	+75	06	48	9.54	E0.05	05 SD	16 LWP	1325	L	L	0	000	46	81	143	00	36	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48	9.54	E0.05	05 SD	16 LWP	1326	L	L	0	000	10	81	143	01	13	V	/	NO COMMENTS
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	14151	L	L	0	000	56	81	152	19	15	G	82/003	C=193,B=33,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	14152	L	L	0	000	24	81	152	19	50	G	82/004	C=175,B=110,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	14153	L	L	0	000	43	81	152	20	26	G	82/004	C=200,B=114,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	14154	L	L	0	000	56	81	152	21	03	G	82/004	C=4X,B=130,TRAILED
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5		05 SD	16 SWP	14155	L	L	0	000	56	81	152	21	38	G	82/004	C=192,B=28,TRAILED
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1331	L	L	0	000	20	81	161	23	25	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1332	L	L	0	000	30	81	161	23	55	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1333	L	L	0	000	40	81	162	00	23	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1334	L	L	0	000	10	81	162	00	51	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1335	L	L	0	000	05	81	162	01	19	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1336	L	L	0	000	20	81	162	01	51	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1338	L	L	0	000	45	81	162	02	54	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1339	L	L	0	000	20	81	162	03	23	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48				16 LWP	1340	L	H	0	035	00	81	162	04	03	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			IV	16 SWP	14276	L	L	0	000	13	81	169	22	31	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			IV	16 SWP	14276	L	S	0	000	41	81	169	22	34	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			IV	16 LWR	10899	L	L	0	000	23	81	169	22	38	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			IV	16 LWR	10899	L	S	0	001	11	81	169	22	43	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			SD	16 SWP	14312	L	L	0	000	13	81	175	01	36	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			SD	16 SWP	14312	L	S	0	000	41	81	175	01	38	V	/	NO COMMENTS
BD	+75 325	PHCAL	08	04	43.2	+75	06	48			SD	16 LWR	10943	L	L	0	000	23	81	175	01	42	V	/	NO COMMENTS
	+75 325	PHCAL	08	04	43.2	+75	06	48			SD	16 LWR	10943	L	S	0	001	11	81	175	01	44	V	/	NO COMMENTS
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05 SD	16 SWP	14319	L	L	0	000	55	81	175	17	52	G	82/025	C=190,B=20,TRLD.
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05 SD	16 SWP	14320	L	L	0	001	32	81	175	18	28	G	82/025	C=270,B=30,TRLD.
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05 SD	16 SWP	14321	L	L	0	000	55	81	175	19	08	G	82/025	C=220,B=87,TRL,TFLD
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05 SD	16 SWP	14322	L	L	0	000	26	81	175	19	46	G	82/025	C=225,B=160,TRL,TFLD
BD	+75 0325	PHCAL	08	04	43.2	+75	06	48	9.5	E-.05	05 SD	16 SWP	14323	L	L	0	000	55	81	175	20	19	G	82/024	C=190,B=23,TRLD.

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14324	L	L	L	0 000	45 81 175 20 55	G	82/024	C=250,B=150,TRL,TFLD
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14325	L	L	L	0 001	51 81 175 21 30	G	82/024	C=2X,B=25,TRL,TFLD
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14550	L	S	L	0 000	20 81 205 18 09	G	82/052	C=160,B=20
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14550	L	L	L	0 000	13 81 205 18 12	G	82/052	C=180,B=20
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11135	L	S	L	0 000	35 81 205 18 17	G	82/053	C=160,B=25
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11135	L	L	L	0 000	24 81 205 18 22	G	82/053	C=190,B=25
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11136	L	L	L	0 000	23 81 205 19 13	G	82/052	C=190,B=30
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11137	L	L	L	0 000	23 81 205 19 44	G	82/052	C=190,B=27
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14674	L	L	L	0 000	13 81 218 16 32	G	82/066	C=200,B=15
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 14674	L	S	L	0 000	41 81 218 16 38	G	82/066	C=190,B=15
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11259	L	L	L	0 000	23 81 218 17 07	G	82/066	C=210,B=27
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11259	L	S	L	0 001	11 81 218 17 12	G	82/066	C=225,B=27
	+75 325	PHCAL	08 04 43.2	+75 06 48				16	SWP 15239	L	S	L	0 000	41 81 284 21 40	V	/	NO COMMENTS
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWP 1368	L	L	L	0 000	20 81 313 07 08	G	82/160	C=210,B=35
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWP 1368	L	S	L	0 001	00 81 313 07 13	G	82/160	C=240,B=32
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 15459	L	L	L	0 000	14 81 313 07 18	G	82/154	C=175,B=16
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	SWP 15459	L	S	L	0 000	42 81 313 07 23	G	82/154	C=1.25X,B=20
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11949	L	L	L	0 000	24 81 313 08 35	G	82/154	C=180,B=32
BD	+75 0325	PHCAL	08 04 43.2	+75 06 48	9.5	E-.05	05 SD	16	LWR 11949	L	S	L	0 001	12 81 313 08 40	G	82/154	C=250,B=30
BD	+75 0325	PHCAL	08 04 45.0	+75 06 48	9.5	E-.05	05 SD	16	LWR 10636	L	L	L	0 000	23 81 137 22 26	G	81/355	C=190,B=26
BD	+75 0325	PHCAL	08 04 45.0	+75 06 48	9.5	E-.05	05 SD	16	SWP 13990	L	L	L	0 000	13 81 137 22 29	G	81/355	C=1800,B=26
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1287	L	L	L	0 000	10 81 093 03 08	V	/	402 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1288	L	L	L	0 000	10 81 093 03 44	V	/	402 NO TFLOOD
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1289	L	L	L	0 000	46 81 093 04 13	V	/	409 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1290	L	L	L	0 001	44 81 093 05 02	V	/	809 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1291	L	L	L	0 000	35 81 093 05 39	V	/	408 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1292	L	L	L	0 000	12 81 093 06 12	V	/	304 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1293	L	L	L	0 001	09 81 093 06 47	V	/	809 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1294	L	L	L	0 001	09 81 093 07 22	V	/	809 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1295	L	L	L	0 000	12 81 093 07 57	V	/	309 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1296	L	L	L	0 000	35 81 093 08 37	V	/	408 TFLOOD 00010
	BD+75325	UKCAL	08 04 54.0	17 07 00	9.5			16	LWP 1297	L	L	L	0 001	44 81 093 09 10	V	/	809 TFLOOD 00010
BD	+75 325	PHCAL	08 05 43.2	+75 06 48				16	LWP 1337	L	L	L	0 000	45 81 162 02 22	V	/	NO COMMENTS
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	LWR 12046	L	L	L	0 010	00 81 328 08 31	G	82/178	C=180,B=35
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	LWR 12046	L	S	L	0 005	00 81 328 08 47	G	82/178	C=90,B=35
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	SWP 15559	L	L	L	0 009	00 81 328 08 59	G	82/178	E=111,C=150,B=33
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	SWP 15559	L	S	L	0 004	30 81 328 09 27	G	82/178	E=61,C=75,B=33
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	LWR 12047	L	L	L	0 010	00 81 328 09 38	G	82/178	C=180,B=32
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	SWP 15560	L	L	L	0 009	00 81 328 10 07	G	82/178	E=112,C=150,B=20
	YZ CNC	CVDAK	08 07 52.0	+28 17 36	11.2			54	LWR 12048	L	L	L	0 010	00 81 328 10 35	G	82/174	C=170,B=28

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	YZ CNC	CVDAK	08	07	52.0	+28	17	36	11.2				54	SWP 15561	L	L	O	009	00	81	328	11	04	G	82/174		E=99,C=152,B=18
	YZ CNC	CVDAK	08	07	52.0	+28	17	36	11.2				54	LWR 12049	L	L	O	010	00	81	328	11	33	G	82/174		C=180,B=30
	RX PUP	ZADMK	08	12	28.2	-41	33	18	12.5	E-.70	M6	II	57	LWR 10830	L	L	O	020	00	81	162	14	25	G	82/018		E=13X,C=225,B=26
	RX PUP	ZADMK	08	12	28.2	-41	33	18	12.5	E-.70	M6	II	57	SWP 14239	L	L	O	015	00	81	162	14	52	G	82/014		E=196,B=26
	RX PUP	ZADMK	08	12	28.2	-41	33	18	12.5	E-.70	M6	II	57	SWP 14240	H	L	O	180	00	81	162	15	33	G	82/014		E=154,B=54
	RX PUP	ZADMK	08	12	28.2	-41	33	18	12.5	E-.70	M6	II	57	LWR 10831	H	L	O	120	00	81	162	18	36	G	82/014		E=5X,C=130,B=42
	RX PUP	ZADMK	08	12	28.2	-41	33	18	12.5	E-.70	M6	II	57	LWR 10832	L	L	O	008	00	81	162	21	03	G	82/014		E=3X,C=105,B=28
	Z CAM	CVDPS	08	19	40.6	+73	16	24	13.0				54	LWR 11792	L	L	O	010	00	81	289	22	31	G	82/136		E=255,C=240,B=24
	Z CAM	CVDPS	08	19	40.6	+73	16	24	13.0				54	SWP 15279	L	L	O	015	00	81	289	22	55	G	82/136		E=168,C=255,B=14
HD	70177	IGDHW	08	19	54.5	+62	27	42	7.8		B9		22	LWR 11422	H	L	O	075	00	81	240	05	57	G	82/091		C=239,B=43
	ETA GAR	DR370	08	21	29.0	-59	20	00	1.8				47	SWP 13641	H	L	O	000	35	81	092	06	23	V	/		400
	ETA GAR	DR370	08	21	29.0	-59	20	00	1.8				47	LWR 10267	H	L	O	000	20	81	092	06	26	V	/		302
HD	71129	MGDDM	08	21	29.0	-59	21	00	1.85		KO	II	47	LWR 10445	H	L	O	015	00	81	115	23	37	G	81/326		C=10-20X,B=190
HD	71129	MGDDM	08	21	29.0	-59	21	00	1.8		KO	II	46	LWR 10650	H	L	O	014	00	81	139	16	25	G	81/355		C=20-100X,B=80
HD	72089	NSCGW	08	27	27.3	-45	23	22	7.6		B5	III	24	LWR 10734	H	L	O	033	00	81	148	08	49	G	81/361		C=200,B=35
HD	72089	NSCGW	08	27	27.4	-45	23	22	7.6		B5	III	24	SWP 14096	H	L	O	060	00	81	148	09	26	G	82/014		C=225,B=48
HD	72088	NSCGW	08	27	31.7	-44	43	00	9.1		B3	IV	21	SWP 14097	H	L	O	120	00	81	148	11	23	G	81/362		C=195,B=50
HD	72179	NSCGW	08	27	55.4	-43	55	51	8.1		B4	III	21	SWP 14117	H	L	O	045	00	81	150	08	25	G	82/003		C=196,B=42
HD	72232	NSCGW	08	28	07.5	-46	09	47	6.0		B5	III	24	FES 1332	D	2		028	00	81	148	21	27	G	81/355		NO COMMENTS
HD	72232	NSCGW	08	28	07.5	-46	09	47	6.0		B5	III	24	LWR 10738	H	S	O	010	00	81	148	21	36	G	82/011		C=240,B=40
HD	72232	NSCGW	08	28	07.5	-46	09	47	6.0		B5	III	24	SWP 14105	H	S	O	020	00	81	148	22	08	G	82/011		C=2X,B=55
HD	72230	NSCGW	08	28	09.9	-44	34	30	9.0		B9	V	22	SWP 14103	L	L	O	003	00	81	148	20	06	G	81/361		C=140,B=23
HD	72230	NSCGW	08	28	09.9	-44	34	30	9.0		B4	V	22	SWP 14118	H	L	O	300	00	81	150	09	49	G	82/003		C=1.5X,B=115
	OJO49	BLDAG	08	29	10.9	+04	39	51	15.4				87	LWR 10793	L	L	O	105	00	81	157	06	49	G	82/011		C=110,B=35
	OJO49	BLDAG	08	29	10.9	+04	39	51	14.7				87	SWP 14200	L	L	O	309	00	81	157	08	40	G	82/011		C=108,B=57
HD	72648	NSCGW	08	30	35.9	-43	45	37	7.8		B2	IB	23	SWP 14126	H	L	O	054	00	81	150	22	55	G	82/003		C=195,B=40
	VELA SNR	UK354	08	30	50.0	-45	27	00	16.0				75	SWP 13678	L	L	O	356	00	81	098	02	50	V	/		232
	VELA SNR	UK354	08	30	50.0	-45	27	00	16.0				75	LWR 10318	L	L	O	280	00	81	099	05	07	V	/		236
NGC	2610	NPDJK	08	31	05.0	-15	58	36	13.6				70	LWR 11978	L	L	O	085	00	81	319	09	18	G	82/160		E=170,C=140,B=45
NGC	2610	NPDJK	08	31	05.0	-15	58	36	13.6				70	SWP 15502	L	L	O	060	00	81	319	10	47	G	82/160		E=147,C=180,B=20
HD	72798	NSCGW	08	31	21.9	-45	34	52	6.5		B5	III	21	SWP 14102	H	L	O	015	00	81	148	19	03	G	81/362		C=1.5X,B=60
HD	72798	NSCGW	08	31	21.9	-45	34	52	6.5		B5	III	21	LWR 10737	H	S	O	020	00	81	148	19	26	G	81/362		C=1.5X,B=53
HD	73658	NSCGW	08	36	00.1	-46	06	24	6.8		B1	II	23	SWP 14100	H	L	O	025	00	81	148	17	01	G	81/362		C=270,B=60
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	LWR 10627	L	S	O	002	29	81	136	19	36	G	81/358		C=1.5X,B=25
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	LWR 10627	L	L	O	000	29	81	136	19	41	G	81/358		C=190,B=25
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	SWP 13979	L	L	O	001	09	81	136	19	46	G	81/358		C=160,B=25
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	SWP 13979	L	S	O	003	00	81	136	19	50	G	81/358		C=210,B=25
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	SWP 13980	L	L	O	003	30	81	136	21	05	G	81/358		E=122,C=160,B=32,TRL
HD	73882	IEDBS	08	37	19.0	-40	14	30	7.24	EO.72	08	V	12	LWR 10628	L	L	O	006	00	81	136	21	19	G	82/013		C=2X,B=36,TRLD
HD	73882	UK410	08	37	20.0	-40	15	00	7.2				12	SWP 15199	L	L	O	001	30	81	280	15	02	V	/		501

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	HD 73882	UK410	08 37 20.0	-40 15 00	7.2			12	SWP 15199	L	S	0	002 00	81 280	V	/	501
	HD 73882	UK410	08 37 20.0	-40 15 00	7.2			12	LWR 11718	H	L	0	034 00	81 280	V	/	502
	HD 73882	UK410	08 37 20.0	-40 15 00	7.2			12	LWR 11719	L	L	0	001 30	81 280	V	/	601 MICROPHONICS
	HD 73882	UK410	08 37 20.0	-40 15 00	7.2			12	LWR 11719	L	S	0	001 00	81 280	V	/	501 MICROPHONICS
HD	74234	NSCGW	08 39 16.8	-48 02 45	6.8		B2 IV	20	LWR 10735	H	S	0	013 00	81 148	G	81/362	C=215,B=40
HD	74234	NSCGW	08 39 16.8	-48 02 45	6.8		B2 IV	20	SWP 14099	H	L	0	015 00	81 148	G	82/014	C-1.5X,B=65
HD	74273	RPSTD	08 39 30.0	-48 44 36	5.90	E0.03	B2 V	20	SWP 14307	L	L	0	000 07	81 174	G	82/024	C=220,B=20,TRLD
HD	74273	RPSTD	08 39 30.0	-48 44 36	5.90	E0.03	B2 V	20	LWR 10938	L	L	0	000 06	81 174	G	82/026	C=185,B=27,TRLD
HD	74319	NSCGW	08 39 52.0	-44 48 43	7.2		B3 V	21	LWR 10736	H	S	0	020 00	81 148	G	81/362	C=215,B=40
HD	74319	NSCGW	08 39 52.0	-44 48 43	7.2		B3 V	21	SWP 14101	H	L	0	020 00	81 148	G	81/361	C=1.5X,B=60
BD	+10 1857	CCDHJ	08 40 02.4	+09 44 22	9.6		MO V	48	LWR 10852	L	L	0	130 00	81 165	G	82/011	E=93,C=80,B=35
BD	+10 1857	CCDHJ	08 40 02.4	+09 44 22	9.6		MO V	48	LWR 10852	L	S	0	030 00	81 165	G	82/011	E=93,C=80,B=35
HD	74580	NSCGW	08 41 15.6	-47 56 50	8.0		B3 V	21	SWP 14119	H	L	0	050 00	81 150	G	82/003	C=205,B=95
HD	74662	NSCGW	08 41 41.7	-48 09 50	9.6		B3 V	21	SWP 14098	H	L	0	075 00	81 148	G	81/362	C=210,B=70
HD	74711	NSCGW	08 42 07.4	-46 37 01	7.1		B2 III	23	LWR 10752	H	L	0	027 00	81 150	G	82/003	C=1.5X,B=47
HD	74711	NSCGW	08 42 07.4	-46 37 01	7.1		B2 III	23	SWP 14125	H	L	0	035 00	81 150	G	82/003	C=210,B=45
HD	74773	NSCGW	08 42 30.2	-46 56 01	7.2		B3 IV	21	SWP 14106	H	L	0	030 00	81 148	G	82/011	C=3%X,B=48
HD	74920	NSCGW	08 43 28.7	-45 51 19	7.5		O8 V	22	SWP 14120	H	L	0	035 00	81 150	G	82/003	C=2X,B=95
HD	75129	NSCGW	08 44 40.2	-47 21 57	7.2		B5 IB	24	SWP 14123	H	L	0	030 00	81 150	G	82/014	C=145,B=85
HD	75309	NSCGW	08 45 46.4	-46 15 58	7.8		B2 II	23	SWP 14124	H	L	0	036 00	81 150	G	82/014	C=220,B=80
HD	75549	NSCGW	08 47 16.8	-43 34 28	7.3		B3 V	21	SWP 14104	H	L	0	023 00	81 148	G	81/362	C=230,B=60
HD	76161	NSCGW	08 50 59.7	-48 10 09	6.3		B6 V	22	LWR 10751	H	L	0	004 00	81 150	G	82/014	C=200,B=40
HD	76161	NSCGW	08 50 59.7	-48 10 09	5.9		B6 V	22	SWP 14122	H	L	0	005 00	81 150	G	82/004	C=190,B=40
HD	76151	CCDMG	08 51 50.1	-05 14 39	6.0		G3 V	44	SWP 13650	L	L	0	090 00	81 093	G	81/302	E=235,C=160,B=95
HD	76151	CCDMG	08 51 50.1	-05 14 39	6.0		G3 V	44	LWR 10279	L	L	0	000 45	81 093	G	81/302	C=224,B=25
HD	76151	CCDMG	08 51 50.1	-05 14 39	6.0		G3 V	44	LWR 10279	L	S	0	003 00	81 093	G	81/302	C=255,B=25
HD	76566	NSCGW	08 53 33.7	-44 50 58	6.3		B3 V	21	LWR 10750	H	L	0	005 00	81 150	G	81/363	C=205,B=35
HD	76566	NSCGW	08 53 33.7	-44 50 58	6.3		B3 V	21	SWP 14121	H	L	0	006 00	81 150	G	81/363	C=200,B=40
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	LWR 10561	L	L	0	000 08	81 130	V	/	602
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	LWR 10561	L	S	0	000 12	81 130	V	/	502
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	SWP 13950	H	L	0	020 00	81 130	V	/	600
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	LWR 10562	H	L	0	009 00	81 130	V	/	602
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	SWP 13951	L	L	0	000 25	81 130	V	/	500
H	76756	AH510	08 55 45.0	+12 03 00	4.3			35	SWP 13951	L	S	0	000 38	81 130	V	/	500
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	LWR 10553	L	L	0	000 03	81 129	V	/	702
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	LWR 10553	L	S	0	000 04	81 129	V	/	502
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	SWP 13938	L	L	0	000 09	81 129	V	/	500
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	SWP 13938	L	S	0	000 14	81 129	V	/	500
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	LWR 10554	H	L	0	003 00	81 129	V	/	602
H	76644	AH510	08 55 48.0	+48 14 00	3.2			31	SWP 13939	H	L	0	007 00	81 129	V	/	600

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	D+271706	UK412	08 58 58.0	+26 53 00	9.7			53	LWR 10640	L	L	0	032 00	81 138	01 48	V	/	453
	HD 77581	UK401	09 00 13.0	-40 21 00	06.9			59	SWP 14911	L	L	0	009 25	81 248	16 47	V	/	301TRAIL X2;OUT OF P
	HD 77581	UK401	09 00 13.0	-40 21 00	06.9			59	SWP 14912	L	L	0	009 25	81 248	17 43	V	/	500TRAIL X2;IN PHASE
Q	0903+173	QSDDT	09 03 49.9	+17 34 28	16.3			85	LWR 12044	L	L	0	422 00	81 327	20 43	G	82/174	C=130,B=70
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	SWP 14052	H	L	0	006 00	81 144	22 59	G	81/361	C=220,B=38
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	LWR 10699	H	L	0	005 00	81 144	23 11	G	81/361	C=245,B=35
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	SWP 14053	L	L	0	000 07	81 144	23 46	G	81/361	C=236,B=18
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	LWR 10709	H	L	0	008 00	81 145	22 13	G	81/358	C=1.5X,B=40
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	25	SWP 14072	H	L	0	009 00	81 145	22 27	G	81/361	C=1.5X,B=45
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	SWP 14073	L	L	0	000 44	81 145	23 19	G	81/361	C=2-3X,B=19
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	LWR 10710	L	L	0	000 22	81 145	23 28	G	81/361	C=255,B=28
HD	78316	BPDKR	09 05 02.4	+10 52 15	5.2		B8	27	LWR 10716	L	H	0	006 00	81 146	16 30	G	81/358	C=1.5X,B=40
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	SWP 14079	L	H	0	007 00	81 146	16 40	G	81/358	C=255,B=45
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8	27	LWR 10726	H	L	0	006 00	81 147	16 10	G	81/361	C=1.5X,B=43
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8 III	27	SWP 14086	H	L	0	007 00	81 147	16 22	G	81/361	C=1.5X,B=50
HD	78316	BPDKR	09 05 02.4	+10 52 14	5.2		B8 III	27	SWP 14087	H	L	0	007 00	81 147	17 08	G	81/361	C=30%X,B=50
HD	78366	CSDTS	09 05 47.3	+34 05 12	5.9	E0.0	G0 V	44	SWP 15204	L	L	0	175 00	81 281	07 17	G	82/124	E=65,C=2X,B=50
HD	78366	CSDTS	09 05 47.3	+34 05 12	5.9	E0.0	G0 V	44	LWR 11725	H	L	0	050 00	81 281	09 39	G	82/124	E=120,C=205,B=33
	D+551317	UK412	09 06 19.0	+54 42 00	10.0			53	LWR 10639	L	L	0	050 00	81 138	00 13	V	/	354
HD	79351	IGDJS	09 09 38.9	-58 45 41	3.44	E0.05	B2 IV	20	LWR 11312	H	S	0	000 35	81 225	17 31	G	82/070	C=230,B=33
HD	79351	IEDJS	09 09 39.0	-58 45 41	3.44	E0.05	*	20	SWP 14748	H	S	0	000 45	81 225	17 27	G	82/074	NO COMMENTS
HD	79447	RPSTD	09 10 08.5	-62 06 40	3.97	E0.02	B3 III	24	SWP 14338	L	L	0	000 02	81 177	18 42	G	82/026	C=200,B=27,TRLD
HD	79447	RPSTD	09 10 08.5	-62 06 40	3.97	E0.02	B3 III	24	LWR 10952	L	L	0	000 01	81 177	18 50	G	82/033	C=195,B=30,TRLD
HD	79028	RSDCB	09 10 24.9	+61 37 50	5.2		F9 V	39	SWP 15039	L	L	0	001 00	81 262	04 53	G	82/105	E=152,C=180,B=33
HD	79028	RSDCB	09 10 24.9	+61 37 50	5.2		F9 V	39	LWR 11585	H	L	0	025 00	81 262	07 34	G	82/105	C=215,B=32
	NGC 2808	VC549	09 10 55.0	-64 39 00	6.4			83	SWP 15313	L	L	0	410 00	81 295	14 45	V	/	302
	NGC 2808	VC549	09 10 55.0	-64 39 00	6.4			83	LWR 11830	L	L	0	300 00	81 297	14 43	V	/	606 4-MIN HTR W-UP
	IC 2458	CC560	09 17 26.0	+64 27 00	15.2			88	LWR 10955	L	L	0	383 00	81 177	23 07	V	/	309
HD	81797	MGDDM	09 25 08.0	-08 27 00	1.99		K2 III	47	LWR 10422	H	L	0	022 00	81 113	19 38	G	81/322	E=5X,C=120,B=45
HD	81797	MGDDM	09 25 08.0	-08 27 00	1.99		K4 III	46	LWR 10652	H	L	0	018 00	81 139	18 20	G	81/355	E=255,C=100,B=53
	GD 298	IGDAD	09 27 26.9	+48 29 41	9.5	E0.00	SD SD	16	LWR 10415	H	L	0	120 00	81 112	17 19	G	81/323	C=2-3X,B=200
	GD 298	IGDAD	09 27 26.9	+48 29 41	9.5	E0.00	SD SD	16	SWP 13780	H	L	0	045 00	81 112	19 23	G	81/323	C=195,B=106
	GD 298	IGDAD	09 27 26.9	+48 29 41	10.5	E0.00	SD SD	16	LWR 10416	H	L	0	040 00	81 112	20 24	G	81/323	C=167,B=97
	H 82901	UK431	09 30 59.0	-62 34 00	5.0			51	LWR 10987	L	L	0	057 00	81 183	02 49	V	/	453
	HD 82901	UK431	09 30 59.0	-62 34 00	7.0			51	LWR 11243	L	L	0	060 00	81 216	18 40	V	/	84 4-MIN HTR WARM U
	HD 82901	UK431	09 30 59.0	-62 34 00	7.0			51	SWP 14653	L	L	0	071 00	81 216	19 47	V	/	111
	HD 82901	UK431	09 30 59.0	-62 34 00	7.0			51	LWR 11244	L	L	0	010 00	81 216	20 40	V	/	363 4-MIN HTR WARM U
	HD 82901	UK431	09 30 59.0	-62 34 00	07.0			51	LWR 11499	L	L	0	050 00	81 252	22 38	V	/	472
	HD 82901	UK431	09 30 59.0	-62 34 00	07.0			51	LWR 11499	L	S	0	015 00	81 252	23 32	V	/	262
	HD 82901	UK484	09 30 59.0	-62 34 00	7.0			51	LWR 11778	L	L	0	060 00	81 287	14 32	V	/	433 4-M HTR W-UP.MG2

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	HD 82901	UK484	09 30 59.0	-62 34 00	7.0			51	LWR 11778	L	S	0	008 00	81 287 15 36	V	/	233 4-M HTR W-UP.MG2
	HD 82901	UK484	09 30 59.0	-62 34 00	7.0			51	SWP 15265	L	L	0	060 00	81 287 15 47	V	/	110 MG2SAT
	HD 82901	UK484	09 30 59.0	-62 34 00	7.0			51	LWR 11779	H	L	0	030 00	81 287 16 23	V	/	133 4-MIN HTR W-UP
	LDS275AB	WDDGW	09 34 59.9	-37 06 59	14.3		FO WD	43	LWR 11953	L	L	0	240 00	81 314 05 07	G	82/159	C=200,B=50
	LDS275AB	WDDGW	09 35 00.0	-37 07 00	14.3		FO WD	43	SWP 15490	L	L	0	180 00	81 316 21 22	G	82/165	C=80,B=46
	ABELL 33	NPDJK	09 36 37.1	-02 34 57	0.0		SD	70	SWP 14291	L	L	0	060 00	81 171 17 28	G	82/025	C=255,B=92
HD	83886	IGDHW	09 39 40.2	+54 35 35	6.3		A2	30	LWR 11423	H	L	0	045 00	81 240 07 47	G	82/091	C=240,B=40
HD	84117	CCDMG	09 39 58.9	-23 41 25	4.9		GO V	44	LWR 10280	L	L	0	000 40	81 093 22 24	G	81/308	C=2X,B=25
HD	84117	CCDMG	09 39 58.9	-23 41 25	4.9		GO V	44	LWR 10280	L	S	0	003 00	81 093 22 30	G	81/308	C=5X,B=25
HD	83950	C8DJE	09 40 15.3	+56 10 56	7.7		GO	44	LWR 11909	L	L	0	006 00	81 308 04 19	G	82/151	C=3X,B=23
HD	84441	MGDDM	09 43 01.0	+24 00 00	2.9		GO II	46	LWR 10654	H	L	0	015 00	81 139 19 57	G	81/361	E=213,C=1.5-2X,B=63
PG	0948+534	FBDRG	09 48 03.0	+53 23 24	15.2		O	19	SWP 14328	L	L	0	072 00	81 176 13 47	G	82/024	C=185,B=63
PG	0948+534	FBDRG	09 48 03.0	+53 23 24	15.2		O	19	LWR 10947	L	L	0	055 00	81 176 15 09	G	82/024	C=180,B=47
	H 237844	UK477	09 48 31.0	+55 57 00	9.5			21	LWR 10723	L	L	0	002 00	81 147 01 27	V	/	501
HD	237844	QSDAD	09 48 31.4	+55 57 38	9.4		B3 V	21	LWR 10725	L	L	0	002 00	81 147 15 23	G	81/361	C=219,B=27
	H 85444	SC537	09 49 04.0	-14 37 00	4.2			45	LWR 10859	H	L	0	030 00	81 165 22 31	V	/	553
	H 85444	SC537	09 49 04.0	-14 37 00	4.2			45	SWP 14261	L	L	0	080 00	81 165 23 10	V	/	331
	HD 85871	UK410	09 51 17.0	-55 08 00	6.5			20	LWR 11723	H	L	0	004 50	81 280 21 19	V	/	502 MN=455
	HD 85871	UK410	09 51 17.0	-55 08 00	6.5			20	SWP 15201	H	L	0	008 30	81 280 21 37	V	/	501
	HD 85773	FS592	09 51 20.0	-22 36 00	9.4			47	LWR 11705	L	L	0	127 00	81 279 19 40	V	/	402
	HE 2-38	ZADAM	09 53 03.6	-57 04 38	11.0		M2 II	57	SWP 14752	L	L	0	015 00	81 226 02 33	G	82/076	E=52,B=22
	HE 2-38	ZADAM	09 53 03.6	-57 04 38	11.0		M2 II	57	SWP 14752	L	S	0	005 00	81 226 02 53	G	82/076	E=52,B=22
HD	86161	HSCPC	09 53 14.2	-57 29 23	8.4	E0.55	O1	11	SWP 13893	H	L	0	100 00	81 125 08 50	G	81/341	E=149,C=205,B=45
	HD 86606	UK464	09 55 17.0	-71 09 00	6.3			23	SWP 14677	H	L	0	006 00	81 219 01 43	V	/	501
	Q0957+56	UK477	09 57 57.0	+56 08 00	16.5			85	LWR 10724	L	L	0	715 00	81 147 02 53	V	/	***
Q	0957+561	QSDAD	09 57 57.3	+56 08 18				85	LWR 10724	L	L	0	715 00	81 147 02 54	G	81/361	C=180,B=123
	H 87643	DG566	10 02 50.0	-58 25 00	8.7			27	LWR 10392	L	L	0	007 00	81 110 04 27	V	/	662
	H 87643	DG566	10 02 50.0	-58 25 00	8.7			27	SWP 13760	L	L	0	030 00	81 110 04 40	V	/	550
	H 87643	DG566	10 02 50.0	-58 25 00	8.7			27	LWR 10393	H	L	0	273 00	81 110 05 13	V	/	558
	N 3125	JC562	10 04 18.0	-29 41 00	16.0			82	SWP 13629	L	L	0	360 00	81 100 03 47	V	/	303 EXTENDED
	N 3125	JC562	10 04 18.0	-29 41 00	16.0			82	LWR 10329	L	L	0	333 00	81 100 03 49	V	/	004 SERENDIPITY BG
	N 3125	JC562	10 04 18.0	-29 41 00	14.0			82	SWP 13701	L	L	0	365 00	81 102 03 42	V	/	402
HD	87696	RPSTD	10 04 29.1	+35 29 21	4.48	E-.02	A7 V	31	LWR 12028	L	L	0	000 25	81 326 10 14	G	82/172	C=205,B=25,TRLD
HD	87696	RPSTD	10 04 29.1	+35 29 21	4.48	E-.02	A7 V	31	SWP 15548	L	L	0	001 10	81 326 10 23	G	82/174	C=210,B=25,TRLD
	HD 88366	UK431	10 04 46.0	-61 18 00	07.5			51	LWR 11498	L	L	0	060 00	81 252 20 41	V	/	572
	HD 88366	UK431	10 04 46.0	-61 18 00	07.5			51	LWR 11498	L	S	0	010 00	81 252 21 45	V	/	232
	H 88366	UK431	10 07 46.0	-61 18 00	6.0			51	LWR 10985	L	L	0	060 00	81 182 20 34	V	/	353
	H 88366	UK431	10 07 46.0	-61 18 00	6.0			51	SWP 14378	L	L	0	035 00	81 182 21 38	V	/	001
	H 88366	UK431	10 07 46.0	-61 18 00	6.0			51	LWR 10986	L	L	0	220 00	81 182 22 23	V	/	777
	HD 88366	UK431	10 07 46.0	-61 18 00	6.0			51	LWR 11245	L	S	0	015 00	81 216 21 55	V	/	405

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	HD 88366	UK431	10 07 46.0	-61 18 00	6.0				51	LWR 11245	L	L	0	060 00	81 216	22 14	V	/	805
	HD 88366	UK484	10 07 46.0	-61 18 00	8.0				51	LWR 11780	L	L	0	090 00	81 287	17 50	V	/	334 4-M HTR W-UP,MG2
	HD 88366	UK484	10 07 46.0	-61 18 00	8.0				51	LWR 11780	L	S	0	015 00	81 287	19 23	V	/	134 4-M HTR W-UP,MG2
	HD 88366	UK484	10 07 46.0	-61 18 00	8.0				51	LWR 11781	H	L	0	085 00	81 287	20 18	V	/	124 4-MIN HTR W-UP
HD	88355	CCDJL	10 08 56.9	+13 36 09	6.4		F6	V	41	LWR 10409	H	L	0	060 00	81 111	23 23	G	81/320	E=118,C=5X,B=68
HD	88661	BEDGP	10 10 01.6	-57 48 47	6.12		B2		26	SWP 14434	H	L	0	004 34	81 190	19 37	G	82/041	C=230,B=40
HD	88661	MLDGP	10 10 01.6	-57 48 47	5.7	E0.2	B0	IV	26	SWP 15051	H	L	0	004 20	81 263	08 36	G	82/105	C=205,B=38
HD	88661	BEDGP	10 10 01.7	-57 48 48	5.7		B0	IV	26	SWP 14908	H	L	0	004 20	81 248	14 33	G	82/097	C=220,B=38
HD	88661	BEDGP	10 10 01.7	-57 48 48	5.7	E0.20	B0	IV	26	SWP 15479	H	L	0	004 35	81 316	06 31	G	82/160	C=205,B=37
HD	89025	RPSTD	10 13 54.7	+23 40 01	3.44	E-.01	F0	III	40	SWP 15536	L	L	0	002 00	81 325	05 06	G	82/172	C=235,B=27
H	89358	HN530	10 15 15.0	-57 40 00	11.7				11	LWR 10478	L	L	0	012 00	81 120	05 24	V	/	351
HD	89388	CCDRS	10 15 24.5	-61 04 55	3.40		K5	IB	47	LWR 11346	H	L	0	020 00	81 228	12 22	G	82/076	E=203,C=85,B=34
HD	89758	MGDDM	10 19 21.0	+41 45 00	3.0		M0	III	49	LWR 11711	H	L	0	026 00	81 280	05 21	G	82/124	E=255,C=80,B=30
HD	90273	IGDLC	10 21 54.0	-57 23 18	9.1		O7		13	SWP 14832	H	L	0	100 00	81 239	09 58	G	82/084	C=210,B=94
NGC	3242	NPDLA	10 22 20.3	-18 23 23	9.7		PN		70	SWP 13947	L	L	0	130 00	81 129	21 39	G	81/351	E=10X,C=230,B=25
NGC	3242	NPDLA	10 22 20.3	-18 23 23	9.7	E0.20			70	SWP 15495	L	L	0	060 00	81 318	04 32	G	82/165	E=5X,C=140,B=30
NGC	3242	NPDLA	10 22 20.3	-18 23 23	9.7	E0.20			70	LWR 11973	L	L	0	060 00	81 318	05 41	G	82/165	E=2X,C=170,B=35
NGC	3242	NPDLA	10 22 20.3	-18 23 23	9.7	E0.20			70	SWP 15496	L	L	0	005 00	81 318	07 02	G	82/165	E=193,C=36,B=20
NGC	3242	NPDLA	10 22 21.3	-18 23 23					70	LWR 11974	L	L	0	005 00	81 318	07 57	G	82/165	E=97,C=75,B=32
NGC	3242	RK522	10 22 24.0	-18 23 00	12.0				70	SWP 15289	H	L	0	192 00	81 291	18 13	V	/	59
HD	90657	WRDLA	10 24 40.7	-58 23 09	9.80	E0.60	WN		11	SWP 15576	L	L	0	007 30	81 332	07 31	G	82/174	E=179,C=120,B=25
HD	90657	WRDLA	10 24 40.7	-58 23 09	9.80	E0.5	WN	IV	11	SWP 15584	L	L	0	009 00	81 333	08 03	G	82/186	E=195,C=134,B=26
HD	90657	WRDLA	10 24 40.7	-58 23 09	09.8	*	WN	IV	11	SWP 15598	L	L	0	010 00	81 334	07 49	G	82/178	E=228,C=150,B=35
H	92207	UK414	10 25 32.0	-58 28 00	5.5				32	LWR 10514	L	L	0	001 10	81 124	06 14	V	/	802
H	92207	UK414	10 25 32.0	-58 28 00	5.5				32	SWP 13883	L	L	0	004 00	81 124	06 18	V	/	700
H	92207	UK414	10 25 32.0	-58 28 00	5.5				32	LWR 10515	H	L	0	025 00	81 124	06 49	V	/	603
HD	91572	IGDJS	10 31 18.6	-57 54 43	8.20	E0.37	O7		12	LWR 11306	H	L	0	025 00	81 225	09 52	G	82/070	C=200,B=43
HD	91572	IGDJS	10 31 18.6	-57 54 43	8.20	E0.37	O7		12	SWP 14743	H	L	0	035 00	81 225	10 25	G	82/076	C=200,B=62
HD	91651	IGDLC	10 31 38.0	-59 52 27	8.9		O9	V	13	SWP 14830	H	L	0	110 00	81 239	02 28	G	82/084	C=260X,B=58
HD	91480	CCDJL	10 31 57.4	+57 20 27	5.2		F1	V	40	LWR 11689	H	L	0	030 00	81 278	03 10	G	82/130	C=1.5X,B=40
HD	91480	CCDJL	10 31 57.4	+57 20 27	5.2		F1	V	40	SWP 15181	L	L	0	060 00	81 278	08 57	G	82/130	E=229,C=5X,B=55
HD	91969	IGDJS	10 33 54.5	-57 57 54	6.5	E0.28	B0	IB	23	LWR 11307	H	S	0	012 00	81 225	11 13	G	82/076	C=230,B=40
HD	91969	IGDJS	10 33 54.5	-57 57 54	6.5	E0.28	B0	IB	23	SWP 14744	H	S	0	018 00	81 225	11 42	G	82/076	C=240,B=53
H	92207	UK414	10 35 32.0	-58 28 00	5.5				32	LWR 10544	L	L	0	000 30	81 128	04 44	V	/	702
H	92207	UK414	10 35 32.0	-58 28 00	5.5				32	SWP 13922	L	L	0	003 00	81 128	04 47	V	/	601
UV	LEO	UK412	10 35 41.0	+14 32 00	8.9				53	LWR 10641	L	L	0	020 00	81 138	03 11	V	/	703
HD	92740	WRDJH	10 39 22.6	-59 24 55	6.4	E0.03	WN	WD	11	SWP 15131	H	L	0	009 00	81 273	11 06	G	82/117	E=235,C=190,B=40
HD	92809	HSCPC	10 39 41.7	-58 30 39	9.7	E0.34	O2		10	LWR 10523	H	L	0	080 00	81 125	10 44	G	81/341	E=105,C=160,B=40
HD	92809	HSCPC	10 39 41.7	-58 30 39	9.7	E0.34	O2		10	SWP 13894	H	L	0	150 00	81 125	12 08	G	81/341	C=225,B=50
HD	92809	WRDJH	10 39 41.9	-58 30 36	9.7	E0.04	WC	SD	10	SWP 15106	H	L	0	150 00	81 270	08 24	G	82/112	E=249,C=190,B=63

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST	ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	92936	IGDLC	10 40 42.4	-56 36 55	7.1		B2	23	SWP 14834	H	L	0	035 00	81 239	13 46	G		82/091	C=2X,B=72
HD	92964	UK410	10 40 44.0	-58 57 00	5.4			23	LWR 11720	H	L	0	004 40	81 280	17 06	V		/	401 MN=275
H	92964	UK414	10 40 44.0	-58 57 00	2.5			20	SWP 13884	H	L	0	020 00	81 124	07 29	V		/	600
H	92964	UK414	10 40 44.0	-58 57 00	5.4			20	LWR 10545	L	L	0	000 10	81 128	05 40	V		/	502
H	92964	UK414	10 40 44.0	-58 57 00	5.4			20	LWR 10545	L	S	0	000 08	81 128	05 42	V		/	702
H	92964	UK414	10 40 44.0	-58 57 00	5.4			20	SWP 13923	L	L	0	000 12	81 128	05 45	V		/	400
HD	93131	WRDJH	10 41 56.7	-59 51 18	6.5	E-.06	WN WD	11	SWP 15132	H	L	0	006 00	81 273	11 46	G		82/117	E=235,C=187,B=37
HD	93129A	HSDBS	10 42 00.9	-59 17 04	7.1	E0.54	03 IA	13	SWP 13992	H	L	0	015 00	81 138	20 17	G		81/356	C=135,B=35
HD	93129A	HSDBS	10 42 01.0	-59 17 04	7.3	E0.47	03	13	SWP 14007	H	L	0	030 00	81 140	18 16	G		81/355	C=225,B=63
HD	93129A	HSDBS	10 42 03.0	-59 17 04	7.1	E0.54	03 IA	13	SWP 15026	H	L	0	030 00	81 261	07 22	G		82/105	E=188,C=205,B=40
HD	93130	RPSTD	10 42 04.4	-59 36 41	8.06	E0.54	06 III	12	LWR 10937	L	L	0	002 55	81 174	17 37	G		82/026	C=210,B=30,TRLD
HD	93130	RPSTD	10 42 04.5	-59 36 41	8.06	E0.54	*	12	SWP 14306	L	L	0	004 40	81 174	16 13	G		82/054	TRLD
HD	93161	IGDJS	10 42 12.3	-59 18 48	7.84	E0.51	06 V	12	SWP 14740	H	S	0	046 00	81 225	03 19	G		82/070	C=83,B=30
HD	93161	IGDJS	10 42 12.3	-59 18 48	7.84	E0.51	06 V	12	LWR 11304	H	S	0	070 00	81 225	04 12	G		82/070	C=170,B=40
HD	93161	IGDJS	10 42 12.3	-59 18 48	7.84	E0.51	06 V	12	SWP 14741	H	S	0	105 00	81 225	05 32	G		82/070	C=120,B=40
HD	93162	HSDBS	10 42 14.0	-59 27 24	8.1	E0.49	WN	11	SWP 13993	H	L	0	060 00	81 138	21 08	G		81/356	E=210,C=195,B=72
HD	93162	HSDBS	10 42 14.0	-59 27 24	8.1	E0.49	WN	11	SWP 14006	H	L	0	035 00	81 140	17 09	G		81/355	C=150,B=70
HD	93162	HSDBS	10 42 14.0	-59 27 24	8.1	E0.62	WN	11	SWP 15025	H	L	0	040 00	81 261	04 35	G		82/105	E=162,C=120,B=32
HD	93205	IGDJS	10 42 37.3	-59 28 27	7.75	E0.38	03 V	12	LWR 11310	H	L	0	020 00	81 225	15 27	G		82/070	C=245,B=50
HD	93205	IGDJS	10 42 37.3	-59 28 27	7.75	E0.38	03 V	12	SWP 14747	H	L	0	030 00	81 225	15 58	G		82/070	C=260,B=80
HD	93205	IGDJS	10 42 37.3	-59 26 27	7.75	E0.38	03 V	12	LWR 11311	H	L	0	018 00	81 225	16 34	G		82/070	C=218,B=43
HD	93249	IGDJS	10 42 46.8	-59 05 37	8.42	E0.39	09 III	13	LWR 11305	H	L	0	051 00	81 225	07 24	G		82/070	C=220,B=37
HD	93249	IGDJS	10 42 46.8	-59 05 37	8.42	E0.39	09 III	13	SWP 14742	H	L	0	081 00	81 225	08 19	G		82/070	C=210,B=53
HD	93250	IGDJS	10 42 48.3	-59 18 07	7.38	E0.47	03 V	12	LWR 11309	H	S	0	026 00	81 225	13 52	G		82/076	C=165,B=50
HD	93250	IGDJS	10 42 48.3	-59 18 07	7.38	E0.47	03 V	12	SWP 14746	H	S	0	038 00	81 225	14 24	G		82/076	C=230,B=98
	ETA CAR	RV547	10 43 05.0	-59 25 00	00.0			73	SWP 14751	H	L	0	078 00	81 225	23 59	V		/	101
	CAR NEB	HSDRH	10 43 05.2	-59 25 25	0.0			61	SWP 14391	L	L	0	015 00	81 184	19 33	G		82/033	E=54,C=40,B=30
	CAR NEB	HSDRH	10 43 05.3	-59 25 26	0.0			61	LWR 11003	L	L	0	033 00	81 184	18 27	G		82/033	C=100,B=50
	ETA CAR	HSDRH	10 43 05.4	-59 25 21				61	LWR 10951	L	L	0	001 00	81 177	17 22	G		82/033	C=3X,B=25
	OOETACAR	NDDHH	10 43 06.8	-59 25 15	0.0			72	SWP 14635	L	L	0	010 00	81 215	10 57	G		82/059	C=105,B=72
	OOETACAR	NDDHH	10 43 06.8	-59 25 15	0.0			72	LWR 11225	L	L	0	040 00	81 215	11 42	G		82/059	C=130,B=59
	OOETACAR	NDDHH	10 43 06.8	-59 25 15	0.0			72	SWP 14636	L	L	0	050 00	81 215	12 29	G		82/059	C=140,B=115
	OOETACAR	NDDHH	10 43 06.8	-59 25 15	0.0			72	SWP 14636	L	S	0	000 29	81 215	13 23	G		82/059	C=155,B=115
	CAR NEB	HSDRH	10 43 06.9	-59 25 16				61	SWP 14335	L	L	0	060 00	81 177	14 14	G		82/033	E=162,C=115,B=65
	CAR NEB	HSDRH	10 43 06.9	-59 25 16	0.0			61	LWR 10950	L	L	0	060 00	81 177	15 18	G		82/033	E=5X,C=2X,B=45
	ETA CAR	HSDRH	10 43 06.9	-59 25 16	6.3	E1.20	IA	61	SWP 14336	L	L	0	001 29	81 177	16 23	G		82/033	E=200,C=125,B=25
	CAR NEB	HSDRH	10 43 06.9	-59 25 16	0.0			61	SWP 14337	L	L	0	030 00	81 177	17 32	G		82/026	E=104,C=80,B=43
	ETA CAR	HSDRH	10 43 06.9	-59 25 16	6.3	E1.20	IA	61	LWR 11002	L	L	0	000 48	81 184	17 07	G		82/033	E=265,C=24,B=29,TRLD
	ETA CAR	HSDRH	10 43 06.9	-59 25 16	6.3	E1.20	IA	61	SWP 14389	L	L	0	005 20	81 184	17 18	G		82/033	E=245,C=215,B=35
	CAR NEB	HSDRH	10 43 06.9	-59 25 16	0.0			61	SWP 14390	L	L	0	060 00	81 184	18 02	G		82/033	E=193,C=140,B=99

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	OOETACAR	NDDHH	10	43	06.9	-59	25	15	0.0			72	LWR 11226	L	S	0	000	29	81	215	13	27	G	82/056		C=1.1X,B=58
	OOETACAR	NDDHH	10	43	06.9	-59	25	15	0.0			72	LWR 11226	L	L	0	040	00	81	215	13	35	G	82/056		C=130,B=58
	OOETACAR	NDDHH	10	43	06.9	-59	25	15	0.0			72	SWP 14637	L	L	0	040	00	81	215	14	19	G	82/056		C=148,B=120
HD	303308	RPSTD	10	43	20.6	-59	24	10	8.2			85	FES 1336	F	2		160	00	81	174	14	25	G	82/013		NO COMMENTS
HD	93403	RPSTD	10	43	46.6	-59	08	39	7.28	E0.53	05 III	12	SWP 14305	L	L	0	003	00	81	174	15	04	G	82/026		E=191,C=190,B=30,TRL
HD	93403	RPSTD	10	43	46.6	-59	08	39	7.28	E0.53	05 III	12	LWR 10936	L	L	0	002	20	81	174	15	38	G	82/026		C=205,B=25,TRLD
HD	93632	RPSTD	10	45	15.5	-59	49	59	8.34	E0.32	04	12	SWP 14482	L	L	0	006	40	81	196	17	26	G	82/041		E=250,C=2X,B=43,TRLD
HD	93632	RPSTD	10	45	15.5	-59	49	59	8.34	E0.32	04	12	LWR 11067	L	L	0	004	20	81	196	17	49	G	82/041		C=1.5X,B-34,TRLD
HD	93632	RPSTD	10	45	15.5	-59	49	59	8.34	E0.32	04	12	SWP 14483	L	L	0	004	10	81	196	18	54	G	82/041		E=193,C=180,B=30,TRL
HD	93632	RPSTD	10	45	15.5	-59	49	59	8.34	E0.32	04	12	LWR 11068	L	L	0	003	20	81	196	19	11	G	82/041		C=215,B=30,TRLD
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0		09 V	12	LWR 10398	L	L	0	000	03	81	111	11	04	G	81/320		C=165,B=25
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0		09 V	12	SWP 13767	L	L	0	000	02	81	111	11	08	G	81/320		C=180,B=15
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	LWR 11950	L	L	0	000	03	81	313	09	17	G	82/154		C=150,B=26
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	SWP 15460	L	L	0	000	03	81	313	09	22	G	82/154		C=165,B=17
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	LWR 11999	L	L	0	000	03	81	324	06	16	G	82/172		C=165,B=25
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	LWR 11999	L	S	0	000	09	81	324	06	20	G	82/172		C=1X,B=25
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	SWP 15522	L	L	0	000	03	81	324	06	24	G	82/172		C=170,B=25
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	SWP 15522	L	S	0	000	09	81	324	06	28	G	82/172		C=1.5X,B=25
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	LWR 12000	L	L	0	000	12	81	324	07	17	G	82/172		C=170,B=33,TRLD
HD	93521	PHCAL	10	45	33.6	+37	50	04	7.0	E0.03	09 V	12	SWP 15523	L	L	0	000	12	81	324	07	25	G	82/172		E=105,C=180,B=13,TRL
HD	93521	PHCAL	10	45	34.0	+37	50	04	7.0	E0.03	09 V	12	LWR 10635	L	L	0	000	03	81	137	21	10	G	81/355		C=165,B=25
HD	93521	PHCAL	10	45	34.0	+37	50	04	7.0	E0.03	09 V	12	LWR 10635	L	S	0	000	06	81	137	21	16	G	81/355		C=160,B=25
HD	93521	PHCAL	10	45	34.0	+37	50	04	7.0	E0.03	09 V	12	SWP 13989	L	L	0	000	03	81	137	21	21	G	81/355		C=170,B=24
HD	93521	PHCAL	10	45	34.0	+37	50	04	7.0	E0.03	09 V	12	SWP 13989	L	S	0	000	06	81	137	21	25	G	81/355		C=185,B=24
	LSS1916	HSDJD	10	45	38.5	-57	39	39	10.1		80 V	39	LWR 11415	L	L	0	008	00	81	238	10	38	G	82/084		C=145,B=26
	LSS1916	HSDJD	10	45	38.5	-57	39	39	10.1		80 V	39	SWP 14816	L	L	0	027	06	81	238	11	14	G	82/084		C=125,B=26
	LSS1922	HSDJD	10	45	58.0	-58	52	47	10.5		B8 IA	27	LWR 11396	L	L	0	040	00	81	233	15	12	G	82/080		C=220,B=53
HD	93843	IGDJS	10	46	40.0	-59	57	32	7.34	E0.34	05 III	13	LWR 11308	H	S	0	015	00	81	225	12	24	G	82/076		C=180,B=41
HD	93843	IGDJS	10	46	40.0	-59	57	32	7.34	E0.34	05 III	13	SWP 14745	H	S	0	024	00	81	225	12	54	G	82/076		C=235,B=62
HD	94546	WRDLA	10	51	43.2	-59	14	47	10.7	E0.58	WN	11	SWP 15577	L	L	0	022	00	81	332	08	12	G	82/174		E=1.5-2X,C=190,B=46
HD	94546	WRDLA	10	51	43.2	-59	14	47	10.7	E0.58	WN	11	SWP 15585	L	L	0	021	00	81	333	08	39	G	82/186		E=6X,C=180,B=45
HD	94546	WRDLA	10	51	43.2	-59	14	47	10.6		WN IV	11	SWP 15599	L	L	0	021	00	81	334	08	31	G	82/178		E=3X,C=190,B=50
	LSS2018	HSDJD	10	52	28.7	-48	31	01	12.3		04 SD	16	SWP 14794	L	L	0	003	00	81	235	12	50	G	82/080		C=145,B=20
	LSS2018	HSDJD	10	52	28.7	-48	31	01	12.3		04 SD	16	LWR 11405	L	L	0	005	00	81	235	13	21	G	82/080		C=157,B=25
	AG CAR-A	RV547	10	54	09.0	-60	11	00	10.0			73	SWP 14749	L	L	0	040	00	81	225	18	29	V	/		201
	AG CAR-A	RV547	10	54	09.0	-60	11	00	10.0			73	LWR 11313	L	L	0	040	00	81	225	19	15	V	/		401
	AG CAR	DP552	10	54	11.0	-60	11	00	6.5			23	SWP 14639	L	L	0	004	00	81	215	18	52	V	/		551
	AG CAR	DP552	10	54	11.0	-60	11	00	6.5			23	SWP 14639	L	S	0	004	00	81	215	19	01	V	/		441
	AG CAR	DP552	10	54	11.0	-60	11	00	6.5			23	LWR 11229	H	L	0	030	00	81	215	19	09	V	/		551 MICROPHONICS
	AG CAR	RV547	10	54	11.0	-60	11	00	6.6			23	SWP 14750	H	L	0	090	00	81	225	20	07	V	/		402

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	AG CAR	RV547	10	54	11.0	-60	11	00	06.6				23	LWR 11315	L	L	0	000	30	81	226	01	11	V	/	601 MICROPHONICS
	AG CAR-B	RV547	10	54	12.0	-60	10	00	10.0				73	LWR 11314	L	L	0	120	00	81	225	21	40	V	/	601
HD	94909	IGDLC	10	54	19.8	-57	17	01	7.3		BO		23	SWP 14810	H	L		040	00	81	237	09	10	G	82/084	C=78,B=32
HD	95275	IGDLC	10	56	56.6	-54	37	08	8.6		BO		23	SWP 14833	H	L	0	060	00	81	239	12	11	G	82/084	C=2X,255,B=91
HD	95707	IGDLC	10	59	36.9	-61	17	34	7.7		B1		20	SWP 14831	H	L	0	275	00	81	239	04	52	G	82/084	C=255,B=100
BD	+44 2051	CCDHJ	11	02	47.1	+43	47	31	8.8		M2	V	48	LWR 10827	L	L	0	150	00	81	161	17	21	G	82/014	E=208,C=118,B=42
	N 3516	MU595	11	03	23.0	+72	50	00	13.0				84	SWP 14241	L	L	0	280	00	81	162	23	00	V	/	452
	N 3516	MU595	11	03	23.0	+72	50	00	13.0				84	LWR 10834	L	L	0	122	00	81	163	03	44	V	/	552
	N 3516	MU595	11	03	23.0	+72	50	00	13.0				84	SWP 14243	L	L	0	280	00	81	163	23	18	V	/	452
	N 3516	MU595	11	03	23.0	+72	50	00	13.0				84	LWR 10839	L	L	0	105	00	81	164	04	02	V	/	452
	Q1103-00	UK426	11	03	58.0	-00	36	00	16.5				85	LWR 11111	L	L	0	000	00	81	202	20	46	V	/	000 EXP CONT AT GSFC
Q	1103-006	QSDEW	11	03	58.1	-00	36	38	16				85	LWR 11111	L	L	0	620	00	81	202	20	46	G	82/053	C=245,B=90
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14443	H	L	0	009	00	81	191	17	44	G	82/039	C=230,B=65
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	LWR 11043	H	L	0	007	00	81	191	17	59	G	82/039	E=186,C=220,B=42
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14460	H	L	0	009	00	81	193	17	05	G	82/046	E=192,C=220,B=49
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14473	H	L	0	009	00	81	195	16	47	G	82/046	C=230,B=52
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14492	H	L	0	009	00	81	197	16	44	G	82/046	C=225,B=50
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14509	H	L	0	009	00	81	199	17	14	G	82/049	C=225,B=42
HD	96446	HRDPB	11	03	59.4	-59	40	46	6.7		B1	V	20	SWP 14660	H	L	0	009	00	81	217	13	57	G	82/062	C=240,B=68
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	SWP 13960	H	L	0	040	00	81	132	00	55	V	/	551
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	LWR 10576	H	L	0	037	00	81	132	06	06	V	/	563
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	SWP 13963	H	L	0	040	00	81	132	06	47	V	/	551
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	LWR 10577	L	L	0	001	20	81	132	07	38	V	/	451
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	SWP 13967	H	L	0	024	00	81	133	07	26	V	/	451
	H 96548	UK458	11	04	18.0	-65	14	00	7.9				11	SWP 13970	H	L	0	040	00	81	134	03	19	V	/	551
	HD 96622	UK437	11	04	53.0	-59	24	00	08.9				12	SWP 15022	H	L	0	070	00	81	260	19	10	V	/	401
	HD 96622	UK437	11	04	53.0	-59	24	00	08.9				12	LWR 11575	H	L	0	025	00	81	260	20	24	V	/	302
	HD 96622	UK437	11	04	53.0	-59	24	00	08.9				12	SWP 15023	H	L	0	141	00	81	260	20	56	V	/	501
HD	96864	IGDLC	11	06	17.9	-56	12	50	8.8		BO		23	SWP 14809	H	L	0	230	00	81	237	04	54	G	82/084	C=230,B=73
	HD 97048	HT535	11	06	40.0	-77	23	00	08.5				30	LWR 11429	H	L	0	090	00	81	240	22	13	V	/	302 MICROPHONICS
HD	97152	WRDJH	11	07	56.9	-60	42	27	8.3	E-.06	WC	WD	10	SWP 15107	H	L	0	025	00	81	270	11	24	G	82/117	E=164,C=150,B=42
HD	97528	CBDMP	11	10	46.0	-26	12	00	7.5	E0.02	A2	IV	30	SWP 14698	L	L	0	003	29	81	221	10	21	G	82/074	C=1.2X,B=26
HD	97528	CBDMP	11	10	46.0	-26	12	00	7.5	E0.02	A2	IV	30	LWR 11274	L	L	0	002	29	81	221	10	32	G	82/074	C=1.2X,B=26
	THETALEO	BEDAS	11	11	37.0	+15	42	10	3.31		A2	V	30	SWP 15505	H	S	0	005	00	81	320	06	59	G	82/160	C=180,B=30
	THETALEO	BEDAS	11	11	37.0	+15	42	10	3.31		A2	V	30	LWR 11981	H	S	0	003	00	81	320	07	10	G	82/160	C=170,B=30
HD	97778	CSDHJ	11	12	32.8	+23	22	06	4.9	1.66	M3	III	49	LWR 11847	L	L	0	005	00	81	299	13	05	G	82/138	E=3X,C=87,B=21
HD	97778	CSDHJ	11	12	32.8	+23	22	06	4.9		M3	III	49	LWR 11848	L	L	0	004	00	81	299	13	39	G	82/138	E=1X,C=82,B=24
HD	97950	HSCPC	11	12	57.5	-60	59	13	9.66	E1.27	OB		11	SWP 13895	L	L	0	060	00	81	125	15	10	G	81/343	E=148,C=160,B=55
HD	97950	HSCPC	11	12	57.5	-60	59	12	9.66	E1.27	WN		11	SWP 13913	L	L	0	040	00	81	126	21	58	G	81/340	E=132,C=125,B=70
HD	97950	WRDPM	11	12	57.5	-60	59	13	9.7		WN		11	SWP 14110	L	L	0	050	00	81	149	17	09	G	81/361	E=170,C=160,B=75

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	97950	WRDPM	11 12 57.5	-60 59 13	9.7		WN	11	LWR 10743	L	L	O	025 00	81 149	18 06	G	81/361	E=246,C=225,B=35
HD	97950	WRDPM	11 12 57.6	-60 59 13	9.6	E1.00	WN IA	11	SWP 14165	L	L	O	040 00	81 154	06 26	G	82/004	E=96,C=95,B=30
HD	98058	BEDAS	11 14 07.1	-03 22 41	4.5		A7 IV	60	LWR 11979	H	S	O	017 00	81 320	04 38	G	82/165	C=140,B=32
HD	98058	BEDAS	11 14 07.1	-03 22 41	4.5		A7 IV	60	SWP 15504	H	S	O	045 00	81 320	05 05	G	82/165	C=170,B=40
HD	98058	BEDAS	11 14 07.1	-03 22 41	4.5		A7 IV	60	LWR 11980	H	S	O	026 00	81 320	05 56	G	82/165	C=220,B=35
Q	1119+12	QSDWS	11 19 11.0	+12 00 46	14.8			85	LWR 10923	L	L	O	055 00	81 172	19 28	G	82/033	C=140,B=66
Q	1119+12	QSDWS	11 19 11.0	+12 00 46	14.8			85	SWP 14298	L	L	O	081 00	81 172	20 28	G	82/024	E=80,C=75,B=40
HD	98839	MGDDM	11 20 05.4	+43 45 26	5.02		G8 II	45	LWR 10497	H	L	O	040 00	81 121	21 19	G	81/333	E=127,C=160,B=70
HD	99546	IGDLC	11 24 20.1	-59 09 42	8.3		O8	13	SWP 14808	H	L	O	067 35	81 237	03 05	G	82/084	C=1.5X,B=59
HD	99946	CBDJE	11 27 25.5	+30 14 34	7.0		F1 V	40	LWR 11933	L	L	O	001 30	81 311	10 43	G	82/154	C=219,B=26
BD	+30 2163	CBDJE	11 27 25.6	+30 14 35	6.8		F1 V	40	SWP 13828	L	L	O	120 00	81 118	14 29	G	81/326	C=3-4X,B=52
H	99946	UK313	11 27 26.0	30 15 00	6.8			53	SWP 13785	L	L	O	090 00	81 113	06 21	V	/	832
H	99946	UK313	11 27 26.0	30 15 00	6.8			53	LWR 10419	H	L	O	070 00	81 113	07 55	V	/	402
H	99946	UK313	11 27 26.0	30 15 00	6.8			53	SWP 13786	L	L	O	015 00	81 113	09 08	V	/	501
H	99946	UK313	11 27 26.0	30 15 00	6.8			53	SWP 13786	L	L	O	016 00	81 113	09 29	V	/	401
	SY MUS	ZADAM	11 29 49.5	-65 08 32	12.0		M1 II	57	LWR 12059	L	L	O	050 00	81 333	23 46	G	82/178	E=2X,C=1.5X,B=25
	SY MUS	ZADAM	11 29 49.5	-65 08 32	12.0		M1 II	57	SWP 15594	L	L	O	060 00	81 334	00 42	G	82/178	E=4X,C=110,B=30
	SY MUS	ZADAM	11 29 55.0	-65 08 36	12.0	E0.23	M2 II	57	SWP 14236	H	L	O	240 00	81 162	06 36	G	82/014	C=70,B=47
	SY MUS	ZADAM	11 29 55.0	-65 08 36	12.0	E0.23	M2 II	57	LWR 10828	L	L	O	050 00	81 162	10 40	G	82/014	C=-265,B=35
	SY MUS	ZADAM	11 29 55.0	-65 08 36	11.0	E0.23	M2 II	57	SWP 14237	L	L	O	045 00	81 162	11 37	G	82/024	E=3-4X,C=70,B=32
	SY MUS	ZADAM	11 29 55.0	-65 08 36	10.4	E0.23	ME II	57	LWR 10829	H	L	O	065 00	81 162	12 28	G	82/018	E=184,C=80,B=35
	SY MUS	ZADAM	11 29 55.0	-65 08 36	10.4		M2 II	57	SWP 14238	L	L	O	010 00	81 162	13 36	G	82/018	E=3X,B=25
	SY MUS	ZADAM	11 29 55.0	-65 08 36	10.4	E0.23	M2 II	57	LWR 10833	L	L	O	008 00	81 162	21 44	G	82/018	E=198,C=90,B=27
NGC	3738	EGDJH	11 33 03.6	+54 48 07	13.0			88	SWP 14613	L	L	O	200 00	81 213	04 06	G	82/056	C=100,B=65
	LSS 2394	HSDJD	11 33 18.7	-62 59 20	11.0	E0.29	B1 V	27	SWP 14800	L	S	O	020 00	81 236	12 12	G	82/084	C=175,B=19
	LSS 2394	HSDJD	11 33 18.7	-62 59 20	11.0	E0.29	B1 V	27	SWP 14800	L	L	O	010 00	81 236	12 42	G	82/084	C=180,B=19
	LSS 2394	HSDJD	11 33 18.7	-62 59 20	11.0		B1	27	LWR 11408	L	L	O	008 00	81 236	12 58	G	82/084	C=195,B=26
PG	1133+489	FBDRG	11 33 27.3	+48 59 54	16.3		DO	17	SWP 14327	L	L	O	220 00	81 176	06 49	G	82/024	C=95,B=50
PG	1133+489	FBDRG	11 33 27.3	+48 59 54	16.3		DO	17	LWR 10946	L	L	O	170 00	81 176	10 34	G	82/024	C=140,B=55
N	3783	VILSP	11 36 30.0	-37 28 00	13.0			84	LWR 11020	L	L	O	025 00	81 188	01 51	V	/	342
N	3783	VILSP	11 36 30.0	-37 28 00	13.0			84	SWP 14414	L	L	O	084 00	81 188	02 23	V	/	342
NGC	3783	GHDTG	11 36 32.9	-37 27 40	12.9			84	LWR 11005	H	L	O	785 00	81 184	22 42	G	82/033	C=190,B=145
NGC	3783	GHDTG	11 36 32.9	-37 27 40	12.9			84	LWR 11016	H	L	O	868 00	81 186	21 08	G	82/033	C=250,B=135
NGC	3783	QSDAB	11 36 33.0	-37 27 41	12.9			84	SWP 14696	L	L	O	225 00	81 221	02 39	G	82/070	E=237,C=123,B=45
NGC	3783	QSDAB	11 36 33.0	-37 27 41	12.9			84	LWR 11273	L	L	O	135 00	81 221	06 31	G	82/070	C=145,B=40
NGC	3783	QSDAB	11 36 33.0	-37 27 41	12.9			84	SWP 14697	L	S	O	055 00	81 221	08 52	G	82/070	E=85,C=70,B=34
N	3783	UK418	11 36 33.0	-37 28 00	13.0			84	LWR 11005	H	L	O	000 00	81 184	22 42	V	/	000 EXP CONT AT GSFC
N	3783	UK418	11 36 33.0	-37 28 00	13.0			84	SWP 14393	L	L	O	000 00	81 184	23 05	V	/	000 EXP CONT AT GSFC
N	3783	UK418	11 36 33.0	-37 28 00	13.0			84	LWR 11016	H	L	O	000 00	81 186	21 08	V	/	000 EXP CONT AT GSFC
N	3783	UK418	11 36 33.0	-37 28 00	13.0			84	SWP 14408	L	L	O	000 00	81 186	21 10	V	/	000SERENDIPITY

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
N 3783	UK475	11 36 33.0	-37 28 00	13.5			84	LWR 10849	L	L	0	075 00	81 164 22 57	V	/	364
N 3783	UK475	11 36 33.0	-37 28 00	13.5			84	SWP 14252	L	L	0	090 00	81 165 00 16	V	/	361
N 3783	UK480	11 36 33.0	-37 28 00	13.0			84	SWP 14458	L	L	0	024 00	81 207 03 23	V	/	231
NGC 3783	UK480	11 36 33.0	-37 30 00	13.7			84	SWP 14718	L	L	0	031 00	81 223 01 15	V	/	331
HD 101501	CSDCB	11 38 24.9	+34 29 01	5.35		G8 V	44	LWR 10314	H	L	0	030 00	81 098 21 32	G	81/308	E=162,C=190,B=33
HD 101501	CSDCB	11 38 24.9	+34 29 01	5.35		G8 V	44	SWP 13682	L	L	0	090 00	81 098 22 19	G	81/308	NO COMMENTS
HD 102212	RPSTD	11 43 17.2	+06 48 34	4.02		M1 III	49	LWR 11960	L	S	0	007 00	81 315 22 58	G	82/158	E=168,C=68,B=25
HD 102212	RPSTD	11 43 17.2	+06 48 34	4.02		M1 III	49	LWR 11960	L	L	0	021 00	81 315 23 11	G	82/158	E=2-3X,C=125,B=25
HD 102365	CCDKH	11 44 03.3	-40 13 28	4.9		G5 V	44	SWP 13986	L	L	0	035 00	81 137 16 21	G	81/357	E=124,C=115,B=26
HD 102365	CCDKH	11 44 03.3	-40 13 28	4.9		G5 V	44	SWP 13986	L	S	0	035 00	81 137 16 22	G	81/357	E=124,C=115,B=26
HD 102365	CCDKH	11 44 03.3	-40 13 28	4.9		G5 V	44	LWR 10632	L	L	0	000 49	81 137 17 01	G	81/357	E=1.5X,C=1.5X,B=26
1145-614	UK401	11 45 02.0	-61 41 00	13.0			59	SWP 14915	L	L	0	045 00	81 248 21 56	V	/	000 NO SPECTRUM
HD102567	UK401	11 45 34.0	-61 56 00	09.0			59	SWP 14913	L	L	0	014 36	81 248 19 21	V	/	801TRAIL X3;IN PHASE
HD102567	UK401	11 45 34.0	-61 56 00	09.0			59	SWP 14914	L	L	0	004 51	81 248 20 35	V	/	401SINGLE TRAIL
Q1146-04	UK426	11 46 22.0	-03 47 00	16.9			85	LWR 11083	L	L	0	240 00	81 198 21 19	V	/	236
Q1146-04	UK426	11 46 22.0	-03 47 00	16.9			85	LWR 11084	L	L	0	000 00	81 199 01 42	V	/	000 EXP CONT GSFC
Q1146-04	UK426	11 46 22.0	-03 47 00	16.9			85	LWR 11098	L	L	0	000 00	81 200 21 28	V	/	000 EXP CONT AT GSFC
PKS 1146-037	QSDEW	11 46 23.9	-03 47 30	0.0			85	LWR 11084	L	L	0	420 00	81 199 01 42	G	82/046	E=140,C=157,B=72
PKS 1146-037	QSDEW	11 46 23.9	-03 47 30	0.0			85	LWR 11098	L	L	0	650 00	81 200 21 28	G	82/046	E=185,C=195,B=90
NGC 3918	NPDJH	11 47 47.9	-56 53 55	8.5		PN	70	LWR 11432	L	L	0	100 00	81 241 02 38	G	82/090	E=16X,C=4X,B=42
POX 4	UK302	11 48 39.0	-20 13 00	16.2			88	SWP 13675	L	L	0	345 00	81 097 03 03	V	/	004 NO SECTRUM
PG 1148+549	QSDBS	11 48 42.5	+54 54 13	0.0			85	SWP 14454	L	L	0	200 00	81 193 08 31	G	82/041	C=94,B=52
PG 1148+549	QSDBS	11 48 44.2	+54 54 13	0.0			85	LWR 11052	L	L	0	180 00	81 193 05 27	G	82/039	E=163,C=115,B=40
H 103287	STAND	11 51 13.0	+53 58 00	2.4			30	LWR 10979	L	L	0	000 01	81 182 05 03	V	/	502
H 103287	STAND	11 51 13.0	+53 58 00	2.4			30	LWR 10979	L	S	0	000 02	81 182 05 06	V	/	402
N 3994	CC560	11 55 02.0	+32 33 00	14.0			88	SWP 14354	L	L	0	315 00	81 179 22 52	V	/	443
PG 1155+492	FBDRG	11 55 09.7	+49 13 00	14.8	E-0.2	CV	64	SWP 13958	L	L	0	060 00	81 131 14 19	G	81/340	C=150,B=32
C-721184	UK464	11 56 29.0	-73 09 00	10.7			23	SWP 14695	H	L	0	270 00	81 220 18 59	V	/	502
C-721184	UK464	11 56 29.0	-73 09 00	10.7			23	LWR 11272	H	L	0	135 00	81 220 23 32	V	/	404 MICROPHONICS
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	13.0		QSO	85	LWR 10283	L	L	0	060 00	81 094 10 53	G	81/301	C=110,B=32
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	13.7			85	SWP 13653	L	L	0	180 00	81 094 12 03	G	81/301	C=112,B=45
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	14.1		Q5	85	SWP 13679	L	L	0	120 00	81 098 09 51	G	81/308	C=65,B=38
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	14.5		Q5	85	LWR 10312	L	L	0	060 00	81 098 11 55	G	81/308	C=90,B=32
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	16.0			85	LWR 10785	L	L	0	105 00	81 156 06 33	G	82/011	C=94,B=38
Q 1156+295	BLDAG	11 56 58.1	+29 31 24	16.0			85	SWP 14191	H	L	0	327 00	81 156 08 22	G	82/011	C=110,B=57
HD 104350	CBDJE	11 58 29.7	+13 17 12	8.6		A7 V	31	LWR 11913	L	L	0	004 00	81 308 10 56	G	82/153	C=210,B=24
HD 104350	CBDJE	11 58 29.7	+13 17 12	8.6		A7 V	31	LWR 11914	L	L	0	006 00	81 308 11 36	G	82/153	C=270,B=24
HD 104350	CBDJE	11 58 29.7	+13 17 12	8.4		A7	33	LWR 11928	H	L	0	150 00	81 310 08 05	G	82/154	C=185,B=73
HD 104350	CBDJE	11 58 29.7	+13 17 12	8.6		A7 V	31	SWP 15443	L	L	0	030 00	81 311 09 45	G	82/154	C=1.5X-2.0X,B=35
HD 104350	CBDJE	11 58 29.8	+13 17 12	8.6	E0.00	A8 V	33	SWP 13847	L	L	0	180 00	81 120 09 55	G	81/328	C=10X,B=60

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NGC 4051	QSDSG	12 00 36.3	+44 48 39	13.6			84	SWP 15413	L	L	0	240 00	81 309	20 42	G	82/154	E=151,C=100,B=50
NGC 4051	QSDHS	12 00 37.0	+44 48 42	11.7			84	SWP 14486	L	L	0	095 00	81 197	10 02	G	82/041	E=255,C=70,B=30
HD105056	HL593	12 03 13.0	-69 18 00	07.4			13	SWP 14847	H	L	0	020 00	81 240	21 33	V	/	401
H 105056	RS564	12 03 13.0	-69 18 00	7.5			15	SWP 13727	H	L	0	028 00	81 106	04 00	V	/	501
HD105056	RS564	12 03 13.0	-69 18 00	07.6			12	SWP 14806	H	L	0	030 00	81 236	21 34	V	/	601
HD105056	RS564	12 03 13.0	-69 18 00	7.6			13	SWP 15297	H	L	0	028 00	81 293	15 36	V	/	501
N 4125	F8582	12 05 35.0	+65 27 00	10.7			81	SWP 14531	L	L	0	413 00	81 201	20 53	V	/	203
HD 105435	MLDGP	12 05 45.4	-50 26 39	2.5	E0.07 B2	IV	26	SWP 15052	H	L	0	000 10	81 263	09 18	G	82/124	C=190,B=35
HD 105452	CCDJL	12 05 49.6	-24 26 59	4.2	E0.00 F2	V	40	SWP 13789	L	L	0	060 00	81 113	17 38	G	81/326	C=10-20X,B=175
HD 105452	CCDJL	12 05 49.6	-24 26 59	4.2	E0.00 F2	V	40	LWR 10421	H	L	0	015 00	81 113	18 43	G	81/326	C=2X,B=58
N 4151	HN530	12 08 00.0	39 41 00	12.4			84	SWP 13845	L	L	0	025 00	81 120	06 36	V	/	241
N 4151	HN530	12 08 00.0	39 41 00	12.4			84	LWR 10479	L	L	0	025 00	81 120	07 09	V	/	352
N 4151	HN530	12 08 00.0	39 41 00	12.4			84	SWP 13846	L	L	0	050 00	81 120	07 44	V	/	361
N 4151	HN530	12 08 00.0	39 41 00	12.4			84	LWR 10480	L	L	0	025 00	81 120	08 39	V	/	352
N 4151	JB601	12 08 00.0	+39 41 00	13.0			84	SWP 14056	L	L	0	030 00	81 145	04 41	V	/	000
N 4151	JB601	12 08 00.0	+39 41 00	13.0			84	LWR 10700	L	L	0	030 00	81 145	05 29	V	/	342
N 4151	JB601	12 08 00.0	+39 41 00	13.0			84	SWP 14057	L	L	0	050 00	81 145	06 03	V	/	351
N 4151	JB601	12 08 00.0	+39 41 00	13.0			84	LWR 10701	L	L	0	050 00	81 145	06 56	V	/	353
N 4151	MU	12 08 00.0	+39 41 00	13.0			84	SWP 14412	L	L	0	060 00	81 187	20 36	V	/	361
N 4151	MU	12 08 00.0	+39 41 00	13.0			84	LWR 11019	L	L	0	030 00	81 187	21 39	V	/	361
N 4151	MU597	12 08 00.0	39 41 00	11.7			84	SWP 13810	L	L	0	025 00	81 116	07 34	V	/	341
N 4151	MU597	12 08 00.0	39 41 00	11.7			84	LWR 10448	L	L	0	030 00	81 116	08 03	V	/	341
N 4151	MU597	12 08 00.0	39 41 00	11.7			84	SWP 13811	L	L	0	040 00	81 116	08 37	V	/	351
N 4151	MU597	12 08 00.0	39 41 00	11.7			84	LWR 10449	L	L	0	025 00	81 116	09 21	V	/	353
N 4151	MU597	12 08 00.0	+39 41 00	13.0			84	SWP 14115	L	L	0	030 00	81 150	00 34	V	/	341
N 4151	MU597	12 08 00.0	+39 41 00	13.0			84	LWR 10748	L	L	0	045 00	81 150	01 09	V	/	352
N 4151	MU597	12 08 00.0	+39 41 00	13.0			84	SWP 14116	L	L	0	120 00	81 150	01 57	V	/	361
N 4151	MU597	12 08 00.0	+39 41 00	12.5			84	SWP 14222	L	L	0	030 00	81 159	22 42	V	/	251
N 4151	MU597	12 08 00.0	+39 41 00	12.5			84	LWR 10813	L	L	0	030 00	81 159	23 18	V	/	352
N 4151	MU597	12 08 00.0	+39 41 00	12.5			84	SWP 14223	L	L	0	120 00	81 159	23 56	V	/	371
N 4151	MU597	12 08 00.0	+39 41 00	12.5			84	LWR 10814	L	L	0	048 00	81 160	02 00	V	/	453
N 4151	PS576	12 08 00.0	+39 41 00	12.5			84	SWP 14189	L	L	0	030 00	81 156	02 57	V	/	241
N 4151	PS576	12 08 00.0	+39 41 00	12.5			84	LWR 10784	L	L	0	030 00	81 156	03 37	V	/	342
N 4151	PS576	12 08 00.0	+39 41 00	12.5			84	SWP 14190	L	L	0	096 00	81 156	04 11	V	/	561
N 4151	UK414	12 08 00.0	+39 41 00	12.4			84	SWP 13880	L	L	0	025 00	81 124	00 48	V	/	250
N 4151	UK414	12 08 00.0	+39 41 00	12.4			84	LWR 10511	L	L	0	030 00	81 124	01 16	V	/	343
N 4151	UK414	12 08 00.0	+39 41 00	12.4			84	SWP 13881	L	L	0	040 00	81 124	01 51	V	/	261
N 4151	UK414	12 08 00.0	+39 41 00	12.4			84	LWR 10512	L	L	0	025 00	81 124	02 34	V	/	343
N 4151	UK414	12 08 00.0	+39 41 00	12.4			84	SWP 13882	L	L	0	060 00	81 124	03 03	V	/	270
N 4151	UK414	12 08 00.0	+39 41 00	12.5			84	LWR 10543	L	L	0	030 00	81 128	00 52	V	/	342

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
N	4151	UK414	12 08 00.0	+39 41 00	12.5			84	SWP 13921	L	L	0	154 00	81 128 01 26	V	/	371
N	4151	UK414	12 08 00.0	+39 41 00	12.4			84	SWP 13982	L	L	0	030 00	81 137 00 53	V	/	241
N	4151	UK414	12 08 00.0	+39 41 00	12.4			84	LWR 10630	L	L	0	030 00	81 137 01 26	V	/	352
N	4151	UK414	12 08 00.0	+39 41 00	12.4			84	SWP 13983	L	L	0	120 00	81 137 01 59	V	/	361
N	4151	UK414	12 08 00.0	+39 41 00	13.1			84	LWR 10680	L	L	0	030 00	81 143 02 38	V	/	342
N	4151	UK414	12 08 00.0	+39 41 00	13.1			84	SWP 14030	L	L	0	030 00	81 143 03 11	V	/	241
N	4151	UK414	12 08 00.0	+39 41 00	13.1			84	LWR 10681	L	L	0	060 00	81 143 03 45	V	/	352
N	4151	UK414	12 08 00.0	+39 41 00	13.1			84	SWP 14031	L	L	0	120 00	81 143 04 48	V	/	361
N	4151	UK414	12 08 00.0	+39 41 00	13.0			84	SWP 14495	L	L	0	030 00	81 197 20 30	V	/	241
N	4151	UK414	12 08 00.0	+39 41 00	13.0			84	LWR 11071	L	L	0	030 00	81 197 21 04	V	/	342
N	4151	UK414	12 08 00.0	+39 41 00	13.0			84	SWP 14496	L	L	0	100 00	81 197 21 39	V	/	361
N	4151	UK414	12 08 00.0	+39 41 00	13.0			84	LWR 11072	L	L	0	030 00	81 197 23 30	V	/	342
N	4151	UK418	12 08 00.0	+39 41 00	13.0			84	SWP 14392	L	L	0	025 00	81 184 20 50	V	/	351
N	4151	UK418	12 08 00.0	+39 41 00	13.0			84	LWR 11004	L	L	0	025 00	81 184 21 23	V	/	253
N	4151	UK446	12 08 00.0	+39 41 00	12.5			84	SWP 14359	L	L	0	030 00	81 180 22 39	V	/	350
N	4151	UK446	12 08 00.0	+39 41 00	12.5			84	LWR 10968	L	L	0	030 00	81 180 23 18	V	/	352
N	4151	UK458	12 08 00.0	+39 41 00	13.0			84	LWR 10574	L	L	0	025 00	81 132 02 34	V	/	342
N	4151	UK458	12 08 00.0	+39 41 00	13.0			84	SWP 13961	L	L	0	025 00	81 132 03 21	V	/	231
N	4151	UK458	12 08 00.0	+39 41 00	13.0			84	LWR 10575	L	L	0	025 00	81 132 03 53	V	/	342
N	4151	UK458	12 08 00.0	+39 41 00	13.0			84	SWP 13962	L	L	0	050 00	81 132 04 23	V	/	351
N	4151	UK465	12 08 00.0	+39 41 00	12.0			84	SWP 14573	L	L	0	030 00	81 208 21 08	V	/	241
N	4151	UK465	12 08 00.0	+39 41 00	12.0			84	LWR 11185	L	L	0	120 00	81 210 20 42	V	/	464
N	4151	UK466	12 08 00.0	+39 41 00	12.3			84	SWP 14331	L	L	0	030 00	81 176 22 43	V	/	002
N	4151	UK466	12 08 00.0	+39 41 00	12.3			84	SWP 14332	L	L	0	030 00	81 176 23 53	V	/	351
N	4151	UK466	12 08 00.0	+39 41 00	12.0			84	SWP 14348	L	L	0	030 00	81 178 22 36	V	/	351
Q	1211+14	QSDWS	12 11 44.7	+14 19 51	14.8			85	LWR 10922	L	L	0	090 00	81 172 16 38	G	82/033	E=197,C=230,B=105
Q	1211+14	QSDWS	12 11 44.7	+14 19 51	14.8			85	SWP 14297	L	L	0	050 00	81 172 18 12	G	82/033	E=238,C=140,B=90
HD	106677	RSDCB	12 13 21.4	+72 49 44	5.4		KO III	39	SWP 15038	L	L	0	070 00	81 262 02 47	G	82/105	E=208,B=20
HD	106677	RSDCB	12 13 21.4	+72 49 44	5.4		KO III	39	LWR 11584	H	L	0	025 00	81 262 04 02	G	82/105	E=149,C=77,B=32
BD	+06 2573	CCDHJ	12 13 25.6	+05 55 05	9.5		K8 V	46	LWR 10835	L	L	0	180 00	81 163 06 35	G	82/014	C=155,B=43
Q	1215+303	BLDDW	12 15 21.1	+30 23 39	15.1		B	87	SWP 13866	L	L	0	380 00	81 122 09 11	G	81/333	C=115,B=70
N	4278	HN568	12 17 36.0	+29 33 00	10.2			81	LWR 11055	L	L	0	421 00	81 193 20 46	V	/	209
N	4278	HN568	12 17 36.0	+29 33 00	10.2			81	SWP 14467	L	L	0	406 00	81 194 21 01	V	/	234
Q1217+02		UK427	12 17 38.0	+02 20 00	16.5			85	SWP 14476	L	L	0	000 00	81 195 21 33	V	/	000 EXP CONT AT GSFC
Q1217+02		UK427	12 17 38.0	+02 20 00	16.5			85	SWP 14484	L	L	0	240 00	81 196 20 54	V	/	342
Q	1217+023	0D58B	12 17 38.4	+02 20 19	16.5	*		85	SWP 14476	L	L	0	684 00	81 196 21 23	G	82/040	E=1.5X,C=150,B=105
HD	107760	RSDCB	12 20 04.0	+73 31 22	8.0		G3 V	39	LWR 10315	L	L	0	005 00	81 099 00 09	G	81/308	E=116,C=110,B=22
M	100	NP587	12 20 22.0	+16 06 00	13.8			80	LWR 10295	L	L	0	120 00	81 096 02 37	V	/	304
M	100	NP587	12 20 22.0	+16 06 00	13.8			80	SWP 13667	L	L	0	307 00	81 096 04 41	V	/	303
M	100	NP587	12 20 22.0	+16 06 00	13.8			80	LWR 10296	L	L	0	264 00	81 096 05 04	V	/	104 SERENDIPITY

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P R	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BI CRU	ZADAM	12 20 42.0	-62 22 00	14.0		MO IB	57	SWP 15595	L	L	0	095 00	81 334 02 17	G	82/178	E=68,C=60,B=43
TON 1530	QSDRG	12 22 56.6	+22 51 49	16.5		F	85	LWR 10926	L	L	0	420 00	81 173 06 47	G	82/033	C=165,B=95
1223-625	UK401	12 23 50.0	-62 30 00	10.8			59	SWP 14916	L	L	0	021 00	81 248 23 26	V	/	001 NO SPECTRUM
HD 108283	BEDAS	12 23 54.2	+27 32 42	4.9		FO	60	SWP 15506	H	S	0	080 00	81 320 07 49	G	82/160	C=220,B=73
HD 108283	BEDAS	12 23 54.2	+27 32 42	4.9		FO	60	LWR 11982	H	S	0	030 00	81 320 09 15	G	82/160	C=220,B=57
N 4449	UK433	12 25 43.0	+44 22 00	13.0			80	SWP 14281	L	L	0	225 00	81 170 23 05	V	/	502 OBC CRASH-RECOVE
N 4449	UK433	12 25 43.0	+44 22 00	13.0			80	LWR 10907	L	L	0	209 00	81 170 23 22	V	/	305 OBC CRASH-RECOVE
N 4449	UKCAL	12 25 45.0	+44 23 00	13.0			80	SWP 14235	L	L	0	020 00	81 162 05 27	V	/	201
N 4449	UK433	12 25 49.0	+44 23 00	13.5			80	SWP 14299	L	L	0	100 00	81 172 22 35	V	/	201
N 4449	UK433	12 25 49.0	+44 23 00	13.5			80	LWR 10924	L	L	0	023 00	81 173 00 25	V	/	202
N 4449	UK433	12 25 49.0	+44 23 00	13.5			80	SWP 14300	L	L	0	275 00	81 173 01 02	V	/	502 OPT ROLL+ 5D16M
N 4449	UK433	12 25 49.0	+44 23 00	13.5			80	LWR 10925	L	L	0	262 00	81 173 01 25	V	/	207
NGC 4486	GHDDY	12 28 17.8	+12 39 58	14.0		G8 V	81	LWR 10333	L	L	0	060 00	81 100 21 38	G	81/308	C=105,B=50
NGC 4486	GHDDY	12 28 18.0	+12 39 58	14.0		G8 V	81	FES 1321	F	2		000 40	81 100 21 23	G	81/305	NO COMMENTS
HD 108903	MGDDM	12 28 23.0	-56 50 00	1.6		M3 II	48	LWR 10651	H	L	0	004 00	81 139 17 36	G	81/355	E=248,B=30
HD 109011	CCDJL	12 28 57.1	+55 23 41	8.1		K2 V	46	LWR 11713	L	L	0	012 00	81 280 07 38	G	82/124	E=178,C=120,B=35
HD 109011	CCDJL	12 28 57.1	+55 23 41	8.1		K2 V	46	LWR 11740	L	L	0	018 00	81 283 07 43	G	82/129	E=177,C=160,B=26
MKN 213	UK414	12 29 01.0	+58 14 00	12.7			88	LWR 10631	L	L	0	196 00	81 137 04 31	V	/	303
HD 109387	MLDGP	12 31 21.6	+70 03 49	3.9	E0.0	B7 V	26	SWP 15056	H	L	0	001 50	81 263 13 01	G	82/105	C=1.5X,B=42
IC 3568	NPDJH	12 31 46.6	+82 50 22			PN	70	SWP 13875	L	L	0	015 00	81 123 20 00	G	81/335	E=214,C=190,B=40
IC 3568	NPDJH	12 31 46.6	+82 50 22			PN	70	LWR 10509	L	L	0	020 00	81 123 20 20	G	81/335	C=220,B=40
IC003568	NPDJH	12 31 46.6	+82 50 22	0.0			70	SWP 14868	H	L	0	387 00	81 243 02 53	G	82/095	E=2-3X,C=180,B=80
IC003568	NPDJH	12 31 46.6	+82 50 22	0.0			70	LWR 11446	L	L	0	025 00	81 243 09 24	G	82/091	C=255,B=27
N 4536	VILSP	12 31 56.0	+02 28 00	13.5			56	LWR 10289	L	L	0	250 00	81 095 05 19	V	/	206 SN IN N 4536
FEIGE 66	JK559	12 34 54.0	+25 21 00	10.5			16	LWR 11154	H	L	0	160 00	81 207 21 07	V	/	706
FEIGE 66	JK559	12 34 54.0	+25 21 00	10.5			16	SWP 14567	H	L	0	080 00	81 207 23 53	V	/	501
HD109867	MG604	12 35 53.0	-66 55 00	06.3			23	LWR 11489	H	L	0	012 00	81 251 16 43	V	/	702 MICROPHONICS
HD109867	MG604	12 35 53.0	-66 55 00	06.3			23	SWP 14928	H	L	0	010 00	81 251 17 20	V	/	501
N 4593	JC514	12 37 05.0	-05 04 00	13.0			84	LWR 10539	L	L	0	180 00	81 127 01 03	V	/	565
N 4593	JC514	12 37 05.0	-05 04 00	13.0			84	SWP 13915	L	L	0	216 00	81 127 04 10	V	/	342
N 4593	JC514	12 37 05.0	-05 04 00	13.3			84	SWP 13974	L	L	0	287 00	81 136 00 16	V	/	332
N 4593	JC514	12 37 05.0	-05 04 00	13.3			84	LWR 10622	L	L	0	160 00	81 136 05 07	V	/	344
HD 110463	CCDJL	12 39 27.4	+55 59 55	8.4		K3 V	46	LWR 11739	L	L	0	016 00	81 283 06 57	G	82/129	C=120,B=24
H 110432	DG566	12 39 54.0	-62 47 00	5.3			26	LWR 10390	H	L	0	004 00	81 110 02 58	V	/	502
H 110432	DG566	12 39 54.0	-62 47 00	5.3			26	SWP 13759	H	L	0	007 00	81 110 03 00	V	/	501
H 110432	DG566	12 39 54.0	-62 47 00	5.3			26	LWR 10391	H	L	0	010 00	81 110 03 28	V	/	602
HD 311884	WRDPM	12 40 52.9	-62 48 51	11.1		WN6	11	SWP 14111	L	L	0	045 00	81 149 18 49	G	81/361	E=162,C=115,B=85
HD 311884	WRDPM	12 40 52.9	-62 48 51	11.09		WN6	11	LWR 10744	L	L	0	035 00	81 149 19 38	G	81/361	C=180,B=55
HD110879	MG604	12 43 11.0	-67 50 00	03.0			21	LWR 11490	H	S	0	000 25	81 251 18 31	V	/	301 MICROPHONICS
HD110879	MG604	12 43 11.0	-67 50 00	03.0			21	SWP 14929	H	S	0	000 25	81 251 18 35	V	/	301

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	HD111123	MG604	12	44	47.0	-59	25	00	01.3				23	LWR 11492	H	L	L	0	000	03	81	251	21	20	V	/	602 MICROPHONICS
	HD111123	MG604	12	44	47.0	-59	25	00	01.3				23	SWP 14931	H	L	L	0	000	02	81	251	21	24	V	/	501
NGC	4697	GHDDY	12	46	00.5	-05	31	41	10	0	G8		81	LWP 1390	L	L	L	0	060	00	81	331	08	41	G	82/178	B=110
NGC	4697	GHDDY	12	46	00.5	-05	31	41	10	0	G8		81	LWP 1390	L	S	L	0	060	00	81	331	08	42	G	82/178	B=110
HD	111315	CBDDL	12	46	28.7	-71	42	50	5.5		KO	III	47	SWP 15088	L	L	L	0	325	00	81	267	10	25	G	82/112	C=120,B=83
HD	111456	CCDJL	12	46	29.3	+60	35	32	5.9		F6	V	41	LWR 11654	H	L	L	0	055	00	81	274	22	25	G	82/117	C=2X,B=41
HD	111456	CCDJL	12	46	29.3	+60	35	32	5.9		F6	V	41	SWP 15150	L	L	L	0	180	00	81	274	23	28	G	82/117	E=131,C=5X,B=32
Q	1246-057	QSDDT	12	46	38.6	-05	42	58	16.8				85	LWR 12051	L	L	L	0	265	00	81	328	21	03	G	82/174	B=50
PG	1248+401	QSDRG	12	48	26.5	+40	07	57	16.1				85	SWP 15535	L	L	L	0	411	00	81	324	20	56	G	82/172	C=110,B=90
PG	1248+401	QSDBS	12	48	26.8	+40	07	58	0.0				85	LWR 11061	H	L	L	0	365	00	81	195	05	35	G	82/041	C=195,B=70
	HD111822	MG604	12	49	38.0	-52	24	00	07.7				23	LWR 11491	H	L	L	0	025	00	81	251	19	32	V	/	502 MICROPHONICS
	HD111822	MG604	12	49	38.0	-52	24	00	07.7				23	SWP 14930	H	L	L	0	030	00	81	251	20	05	V	/	501
	II ZW 67	EGDCW	12	56	10.3	+27	52	02	13.9		B9	V	81	LWR 11908	L	L	L	0	375	00	81	307	21	11	G	82/151	C=177,B=85
	II ZW 67	EGDCW	12	56	10.4	+27	52	03	13.9		B9	V	81	SWP 15366	L	L	L	0	375	00	81	306	21	14	G	82/151	C=85,B=68
	0000H4-1	NPDTB	12	57	03.0	+27	54	22	15.4	E0.02			70	SWP 14410	L	L	L	0	015	00	81	187	17	51	G	82/033	E=112,B=46
	0000H4-1	NPDTB	12	57	03.0	+27	54	22	15.4	E0.02			70	LWR 11018	L	L	L	0	060	00	81	187	18	10	G	82/033	E=137,C=95,B=50
	0000H4-1	NPDTB	12	57	03.0	+27	54	22	15.4	E0.02			70	SWP 14411	L	L	L	0	037	00	81	187	19	13	G	82/033	E=66,B=30
	HD112843	UK464	12	57	46.0	-72	22	00	09.6				23	SWP 14675	L	L	L	0	003	00	81	218	19	15	V	/	500
	HD112843	UK464	12	57	46.0	-72	22	00	09.6				23	SWP 14675	L	S	L	0	008	00	81	218	19	23	V	/	400
	HD112843	UK464	12	57	46.0	-72	22	00	09.6				23	LWR 11260	L	L	L	0	002	00	81	218	19	41	V	/	502 MICROPHONICS
	HD112843	UK464	12	57	46.0	-72	22	00	09.6				23	SWP 14676	H	L	L	0	295	00	81	218	20	11	V	/	000 EXP. OK
HD	113139	RPSTD	12	58	35.3	+56	38	07	4.94	E0.02	F2	V	40	SWP 15547	L	L	L	0	005	30	81	326	08	12	G	82/174	C=220,B=50,TRLD
HD	113139	RPSTD	12	58	35.3	+56	38	07	4.94	E0.02	F2	V	40	LWR 12027	L	L	L	0	000	49	81	326	09	05	G	82/174	C=205,B=30,TRLD
HD	113139	CCDJL	12	58	35.4	+56	38	07	4.9		F2	V	40	LWR 11661	H	L	L	0	018	00	81	275	13	27	G	82/117	C=1X,B=43
HD	113139	CCDJL	12	58	35.4	+56	38	07	4.9		F2	V	40	SWP 15178	L	L	L	0	070	00	81	278	01	42	G	82/130	E=174,C=5X,B=38
HD	114213	DBDAW	13	07	10.0	-61	12	23	9.0	E1.13	B1	IB	23	SWP 14527	L	L	L	0	105	00	81	201	12	13	G	82/046	C=175,B=60
HD	114213	DBDAW	13	07	10.0	-61	13	23	9.0	E1.13	B1	IB	23	LWR 11100	L	L	L	0	012	00	81	201	12	57	G	82/046	C=205,B=25
HD	114213	DBDAW	13	07	10.0	-61	12	23	9.0	E1.13	B1	IB	23	LWR 11101	L	L	L	0	050	00	81	201	14	23	G	82/046	C=3X,B=38
HD	114519	RSDCB	13	08	18.0	+36	12	01	7.9		F4	IV	39	LWR 10303	H	L	L	0	080	00	81	097	20	02	G	81/308	E=138,C=138,B=66
	HD114441	MG604	13	08	27.0	-55	05	00	08.0				20	SWP 14932	H	L	L	0	045	00	81	251	22	16	V	/	401
	HD114441	MG604	13	08	27.0	-55	05	00	08.0				20	LWR 11493	H	L	L	0	042	00	81	251	23	05	V	/	502 MICROPHONICS
HD	114613	CCDKH	13	09	14.3	-37	32	16	4.9		G3	V	44	SWP 13987	L	L	L	0	035	00	81	137	17	37	G	81/357	E=125,C=105,B=26
HD	114613	CCDKH	13	09	14.3	-37	32	16	4.9		G3	V	44	SWP 13987	L	S	L	0	035	01	81	137	17	38	G	81/357	E=125,C=105,B=26
HD	115043	CCDJL	13	11	34.3	+56	58	21	6.7		G2	V	44	LWR 11675	L	L	L	0	003	00	81	276	23	04	G	82/130	C=6X,B=36
	HZ 43	PHCAL	13	14	00.6	+29	21	49	12.9		DA		37	SWP 14500	L	L	L	0	005	00	81	198	04	42	G	82/046	E=172,C=211,B=17
	HZ 43	PHCAL	13	14	00.6	+29	21	49	12.9		DA		37	LWR 11075	L	L	L	0	006	00	81	198	04	52	G	82/046	C=143,B=26
	HZ 43	PHCAL	13	14	00.6	+29	21	49	12.9		DA		37	SWP 14501	L	L	L	0	015	00	81	198	05	21	G	82/046	C=255,B=17
	HZ 43	PHCAL	13	14	00.6	+29	21	49	12.9		DA		37	LWR 11076	L	L	L	0	027	00	81	198	06	09	G	82/046	C=223,B=33
	HZ43	FBDCB	13	14	00.7	+29	21	50	12.1		A		17	SWP 13689	H	L	L	0	420	00	81	099	10	50	G	81/308	C=205,B=88
H	115473	HN530	13	15	18.0	-57	53	00	10.0				10	SWP 13856	L	S	L	0	004	00	81	121	00	28	V	/	471

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
H 115473	HN530	13 15 18.0	-57 53 00	10.0			10	SWP 13856	L	L	D	010 00	81 121 00 36	V	/	471
H 115473	HN530	13 15 18.0	-57 53 00	10.0			10	LWR 10488	L	L	D	008 00	81 121 00 51	V	/	581
H 115473	HN530	13 15 18.0	-57 53 00	10.0			10	LWR 10488	L	S	D	012 00	81 121 01 02	V	/	581
HD 115473	WRDJH	13 15 18.8	-57 52 29	10.0		WC V	10	SWP 15105	H	L	D	360 00	81 270 00 21	G	82/112	E=255,C=200,B=75
Q 1318+290	QSDAG	13 18 54.8	+29 03 01	16.4			85	LWR 10805	L	L	D	105 00	81 158 07 05	G	82/005	C=80,B=40
NGC 5102	EGDCW	13 19 07.2	-36 22 06	11.6		SO V	81	SWP 13787	L	L	D	060 00	81 113 11 09	G	81/322	C=60,B=30
NGC 5102	EGDCW	13 19 07.2	-36 22 06	11.6		SO V	81	LWR 10420	L	L	D	030 00	81 113 12 14	G	81/322	C=80,B=30
NGC 5102	EGDCW	13 19 07.2	-36 22 06	11.6		SO V	81	SWP 13788	L	L	D	252 00	81 113 12 52	G	81/322	C=180,B=108
NGC 5102	EGDCW	13 19 07.2	-36 22 06	11.6		B9 V	81	LWR 10429	L	L	D	340 00	81 114 11 10	G	81/322	C=235,B=122
LSE115	HSDJD	13 21 27.7	-40 52 54	12.1		O4 SD	63	SWP 14817	L	L	D	002 00	81 238 12 17	G	82/084	C=50,B=18
LSE115	HSDJD	13 21 27.7	-40 52 54	12.1		O4 SD	63	LWR 11416	L	L	D	012 00	81 238 12 52	G	82/084	C=190,B=32
LSE115	HSDJD	13 21 27.7	-40 52 54	12.1		O4 SD	63	SWP 14818	L	L	D	012 00	81 238 13 10	G	82/084	C=90,B=23
N 5128	MR503	13 22 31.0	-42 44 00	15.0			72	SWP 14164	L	L	D	368 00	81 153 23 39	V	/	402
N 5128	MU597	13 22 31.0	-42 44 00	16.0			72	LWR 10749	L	L	D	178 00	81 150 04 49	V	/	404
NGC 5128	EGDEW	13 22 31.3	-42 46 10	15.0	E0.90	KO III	81	LWR 11099	L	L	D	168 00	81 201 09 01	G	82/046	C=95,B=45
NGC 5128	EGDEW	13 22 31.3	-42 46 10	15.0	E0.90	KO III	81	FES 1339	S	2		012 30	81 201 09 41	G	82/039	NONE
NGC 5128	EGDEW	13 22 32.3	-42 46 14	15.0	E0.90	KO III	81	LWR 11085	L	L	D	150 00	81 199 09 22	G	82/046	C=85,B=41
NGC 5128	EGDEW	13 22 32.3	-42 46 14	15.0	E0.90	KO III	81	FES 1338	S	2		010 00	81 199 10 51	G	82/040	NO COMMENTS
NGC 5128	EGDEW	13 22 32.4	-42 46 25	12.0	E0.90	KO III	86	LWR 10356	L	L	D	120 00	81 105 12 12	G	81/314	B=35
NGC 5128	EGDEW	13 22 32.5	-42 46 25	12.0	E0.90	KO III	86	FES 1322	L	2		000 10	81 105 12 44	G	81/308	NO COMMENTS
NGC 5128HALO	EGDEW	13 22 33.9	-42 43 35				86	SWP 15704	L	S	D	070 00	81 334 19 38	G	82/187	B=28
NGC 5128	EGDEW	13 22 34.0	-42 44 52	15			81	LWR 11112	L	L	D	215 00	81 203 08 12	G	82/049	C=100,B=45
NGC 5128	EGDEW	13 22 34.0	-42 44 52	15			81	FES 1340	S	2		010 00	81 203 09 13	G	82/041	NO COMMENTS
NGC 5128	EGDEW	13 22 38.1	-42 44 44	12.0	E0.90	KO III	86	LWR 10357	L	L	D	180 00	81 105 14 44	G	81/314	B=52
NGC 5128	EGDEW	13 22 38.1	-42 44 44	12.0	E0.90	KO III	86	FES 1323	D	2		000 10	81 105 15 30	G	81/308	NO COMMENTS
HD 116842	CCDJL	13 23 13.5	+55 14 53	4.0		A5 V	31	SWP 15180	L	L	D	018 00	81 278 08 03	G	82/130	E=126,C=5-15X,B=30
HD 116842	CCDJL	13 23 13.5	+55 14 53	4.0		A5 V	31	SWP 15195	L	L	D	008 00	81 280 06 38	G	82/124	E=50,C=40X,B=18
HD 116842	CCDJL	13 23 13.5	+55 14 53	4.0		A5 V	31	LWR 11712	H	L	D	008 00	81 280 06 52	G	82/124	C=1.5X,B=40
HD 117297	HSCPC	13 27 31.8	-61 49 24	11.1	E0.46	WD	10	LWR 10525	L	L	D	007 00	81 125 17 47	G	81/343	E=193,C=110,B=30
HD 117297	HSCPC	13 27 31.8	-61 49 24	11.1	E0.46	WD	10	SWP 13897	L	L	D	011 00	81 125 18 15	G	81/343	E=153,C=90,B=30
WOLF 485	FBDJL	13 27 40.0	-08 18 24	12.2		B7 WD	37	LWR 11250	L	L	D	021 00	81 217 16 08	G	82/066	C=225,B=68
WOLF 485	FBDJL	13 27 40.0	-08 18 24	12.2		B7 WD	37	SWP 14663	L	L	D	015 00	81 217 16 41	G	82/062	C=155,B=66
WOLF 485	FBDJL	13 27 40.0	-08 18 48	12.2		B7 WD	37	LWR 11264	L	L	D	020 00	81 219 15 03	G	82/066	C=225,B=75
WOLF 485	FBDJL	13 27 40.0	-08 18 24	12.2		B7 WD	37	SWP 14683	L	L	D	020 00	81 219 15 34	G	82/066	C=240,B=136
HD 117688	HSCPC	13 30 07.1	-62 03 36	10.9	E0.70	O1	11	LWR 10524	L	L	D	015 00	81 125 16 47	G	81/343	E=2-3X,C=190,B=45
HD 117688	HSCPC	13 30 07.1	-62 03 36	10.9	E0.70	O1	11	SWP 13896	L	L	D	022 00	81 125 17 07	G	81/343	E=2-3X,C=140,B=45
HD 118022	BPDKR	13 31 15.8	+03 54 54	4.9		A2	36	LWR 10718	L	L	D	000 17	81 146 18 50	G	81/361	C=2X,B=25
HD 118022	BPDKR	13 31 15.8	+03 54 54	4.9		A2	36	LWR 10718	L	S	D	000 17	81 146 18 53	G	81/361	C=200,B=25
HD 118022	BPDKR	13 31 15.8	+03 54 54	4.9		A2	36	SWP 14081	L	L	D	000 40	81 146 18 56	G	81/361	C=4X,B=30
HD 118022	BPDKR	13 31 15.8	+03 54 54	4.9		A2	36	SWP 14081	L	S	D	001 20	81 146 19 00	G	81/361	C=250,B=30

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HR 5110	OD49B	13 32 34.1	+37 26 16	4.9	E0.39	FK	40	SWP 13668	L	L	0	025 00	81 096	10 33	G	81/308	E=3X,C=5X,B=27
HR 5110	OD49B	13 32 34.1	+37 26 16	4.98	E0.39	FK	40	LWR 10297	H	L	0	010 00	81 096	11 04	G	81/308	C=160,B=31
HR 5110	OD49B	13 32 34.1	+37 26 16	4.98	E0.39	FK	40	SWP 13669	H	L	0	378 00	81 096	11 34	G	81/308	E=224,C=3-4X,B=120
K N CEN	OD52B	13 33 00.9	-64 18 14	10.		GO	39	SWP 14927	L	L	0	078 00	81 251	14 29	G	82/095	C=135,B=52
N 5236	GP613	13 34 17.0	-29 37 00	8.2			80	LWR 10740	L	L	0	183 00	81 149	04 44	V	/	705
UX UMA	CVDAH	13 34 42.0	+52 10 04	12.8			63	SWP 14617	L	L	0	032 00	81 213	15 26	G	82/056	C=1.5X,B=200
UX UMA	CVDAH	13 34 42.0	+52 10 04	12.8			63	LWR 11208	L	L	0	040 00	81 213	16 08	G	82/056	C=215,B=90
UX UMA	CVDAH	13 34 42.0	+52 10 04	12.8			63	SWP 14618	L	L	0	020 00	81 213	16 51	G	82/056	C=125,B=84
UX UMA	CVDAH	13 34 42.0	+52 10 04	12.7		BO SD	63	SWP 15085	L	L	0	030 00	81 266	17 14	G	82/115	E=139,C=105,B=18
UX UMA	CVCRP	13 34 43.0	+52 10 05	13.0		BO SD	63	SWP 14025	L	L	0	030 00	81 142	16 46	G	81/356	E=160,C=165,B=110
UX UMA	CVCRP	13 34 43.0	+52 10 05	13.0		BO SD	63	LWR 10675	L	L	0	030 00	81 142	17 39	G	81/356	C=230,B=65
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	SWP 15448	L	L	0	038 00	81 312	04 18	G	82/158	E=181,C=115,B=30
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	LWR 11937	L	L	0	053 00	81 312	05 00	G	82/158	C=200,B=34
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	SWP 15449	L	L	0	025 00	81 312	05 37	G	82/158	E=110,C=66,B=30
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	SWP 15450	L	S	0	067 00	81 312	06 45	G	82/158	C=75,B=26
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	LWR 11938	L	L	0	025 00	81 312	07 57	G	82/159	C=150,B=26
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	SWP 15451	L	L	0	058 30	81 312	08 36	G	82/159	E=136,C=85,B=34
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	LWR 11939	L	L	0	042 00	81 312	09 49	G	82/159	C=260,B=33
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	SWP 15452	L	L	0	032 00	81 312	10 40	G	82/159	E=102,C=66,B=30
UX UMA	CVDAH	13 34 43.0	+52 10 00	13.2		BO V	63	LWR 11940	L	L	0	020 00	81 312	11 25	G	82/159	C=159,B=30
FEIGE 86	JK559	13 36 06.0	+29 37 00	10.0			16	LWR 11155	H	L	0	121 00	81 208	01 44	V	/	404
N 5253 A	UK320	13 37 05.0	-31 23 00	13.0			82	LWR 10355	L	L	0	140 00	81 105	06 32	V	/	315
1337-31	UK422	13 37 05.0	-31 23 00	12.5			88	SWP 14542	L	L	0	347 00	81 203	22 02	V	/	793
G 238-44	GV555	13 37 37.0	+70 32 00	12.8			37	SWP 14013	L	L	0	011 00	81 141	03 08	V	/	401
G 238-44	GV555	13 37 37.0	+70 32 00	12.8			37	LWR 10666	L	L	0	011 00	81 141	03 45	V	/	401
ABELL 36	NPDJK	13 37 57.0	-19 37 46	1.4		SD	70	LWR 10912	L	L	0	020 00	81 171	20 01	G	82/025	E=197,C=2-2.5X,B=40
ABELL 36	NPDJK	13 37 57.4	-19 37 47	11.51		SD	70	SWP 14214	L	L	0	001 45	81 158	20 24	G	82/005	
ABELL 36	NPDJK	13 37 57.4	-19 37 47	11.51		SD	70	LWR 10807	H	L	0	025 00	81 158	20 51	G	82/018	C=85,B=28
ABELL 36	NPDJK	13 37 57.4	-19 37 47	11.51		SD	70	SWP 14215	L		0	000 80	81 158	21 21	G	82/005	C=200,B=25
ABELL 36	NPDJK	13 37 57.8	-19 37 33	1.4		SD	70	LWR 10911	L	L	0	004 00	81 171	19 21	G	82/025	C=265,B=26
ABELL 36	NPDJK	13 37 57.8	-19 37 33	1.4		SD	70	SWP 14292	L	L	0	010 00	81 171	19 30	G	82/025	C=3X,B=32
HD 119090	CCDRS	13 38 53.0	-33 20 39	5.5	K	II	47	LWR 10288	H	L	0	050 00	81 095	00 59	G	81/298	C=65,B=40
HD 119090	CCDRS	13 38 53.0	-33 20 39	5.5	KP	III	47	LWR 10328	L	L	0	020 00	81 100	01 19	G	81/308	E=188,C=108,B=27
MKN 67	IGDDY	13 39 39.3	+30 46 16	16.5	O	BO	88	SWP 15572	L	L	0	140 00	81 331	05 35	G	82/178	C=110,B=90
MKN 67	IGDDY	13 39 39.3	+30 46 16	16.5	O	BO	88	SWP 15572	L	S	0	140 00	81 331	05 36	G	82/178	C=110,B=90
H 120198	AH510	13 44 44.0	+54 41 00	5.5			27	LWR 10555	L	L	0	000 13	81 129	05 45	V	/	602
H 120198	AH510	13 44 44.0	+54 41 00	5.5			27	LWR 10555	L	S	0	000 20	81 129	05 49	V	/	502
H 120198	AH510	13 44 44.0	+54 41 00	5.5			27	SWP 13940	L	L	0	000 30	81 129	05 53	V	/	501
H 120198	AH510	13 44 44.0	+54 41 00	5.5			27	SWP 13940	L	S	0	000 46	81 129	05 56	V	/	501
H 120198	AH510	13 44 44.0	+54 41 00	5.5			27	SWP 13941	H	L	0	024 00	81 129	06 26	V	/	501

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	H 120198	AH510	13	44	44.0	+54	41	00	5.5				27	LWR 10556	H	L	0	016	00	81	129	06	54	V	/		603
	H 120198	AH510	13	44	44.0	+54	41	00	5.5				27	SWP 13942	H	L	0	023	00	81	129	07	24	V	/		501
	ATE UMA	PHCAL	13	45	34.0	+49	34	00	01.8				21	LWR 11582	H	L	0	000	06	81	261	23	03	V	/		501
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWR 10676	H	L	0	000	12	81	142	18	49	G	81/361		C=235,B=50,TRAILED
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWR 10677	H	L	0	000	06	81	142	19	24	G	81/361		C=170,B=40,TRAILED
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWR 10679	H	L	0	000	18	81	142	20	17	G	81/361		C=1.5X,B=70,TRAILED
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	SWP 14673	H	L	0	000	06	81	218	14	26	G	82/066		C=185,B=35
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWP 1347	H	L	0	000	05	81	218	14	30	G	82/103		C=225,B=45
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWR 11258	H	L	0	000	05	81	218	15	44	G	82/066		C=233,B=33
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWR 11948	H	L	0	000	06	81	313	04	55	G	82/158		C=200,B=32
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	SWP 15458	H	L	0	000	06	81	313	05	00	G	82/154		C=168,B=32
HD	120315	PHCAL	13	45	34.3	+49	33	44	1.8	E0.02	B3	V	21	LWP 1367	H	L	0	000	05	81	313	06	20	G	/		C=215,B=43
	ETA UMA	HSDBS	13	45	34.5	+49	33	44	1.9	E0.02	B3	V	21	SWP 15066	H	L	0	000	06	81	264	09	54	G	82/109		C=183,B=32
	ETA UMA	HSDBS	13	45	34.5	+49	33	44	1.9	E0.02	B3	V	21	SWP 15067	H	L	0	000	06	81	264	10	39	G	82/105		C=192,B=33
	ETA UMA	HSDBS	13	45	34.5	+49	33	44	1.9	E0.02	B3	V	21	SWP 15068	H	L	0	000	06	81	264	11	25	G	82/105		C=193,B=32
HD	120324	BEDGP	13	46	35.6	-42	13	31	3.32		B2		26	SWP 14433	H	L	0	000	24	81	190	18	39	G	82/041		C=240,B=40
HD	120324	BEDGP	13	46	35.6	-42	13	31	3.32		B2		26	LWR 11039	H	L	0	000	14	81	190	18	43	G	82/035		C=205,B=32
HD	120324	MLDGP	13	46	35.7	-42	13	32	3.2	E0.07	B2	IV	26	LWR 11476	H	L	0	000	15	81	248	13	34	G	82/098		C=190,B=30
HD	120324	MLDGP	13	46	35.7	-42	13	32	3.2	E0.07	B2	IV	26	SWP 14907	H	L	0	000	21	81	248	13	39	G	82/098		C=220,B=35
HD	120640	HRDPB	13	48	40.6	-46	39	07	5.9		B4	III	24	SWP 14661	H	L	0	003	00	81	217	14	39	G	82/066		C=200,B=48
HD	120640	HRDPB	13	48	40.6	-46	39	07	5.9		B4	III	24	SWP 14685	H	L	0	003	00	81	219	17	16	G	82/066		C=195,B=41
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	LWR 11501	H	S	0	002	10	81	253	08	37	G	82/098		C=162,B=32
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	SWP 14945	H	S	0	004	30	81	253	09	08	G	82/098		C=214,B=35
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	LWR 11502	H	S	0	003	00	81	253	09	43	G	82/101		C=80,B=25
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	LWR 11508	H	S	0	002	30	81	254	08	39	G	82/101		C=140,B=33
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	LWR 11509	H	S	0	004	00	81	254	09	15	G	82/101		C=70,B=26
HD	120709	BPDJJ	13	48	55.9	-32	44	50	4.7		B5	III	27	LWR 11520	H	S	0	002	30	81	255	08	41	G	82/102		C=230,B=32
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	0		14	LWR 10647	L	L	0	000	29	81	138	22	46	G	81/358		C=3X,B=30
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	0		14	LWR 10647	L	S	0	003	00	81	138	22	50	G	81/358		C=3X,B=30
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	09		14	SWP 13994	L	S	0	001	29	81	138	22	57	G	82/013		C=255,B=19
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	09		14	SWP 13994	L	L	0	000	29	81	138	23	01	G	82/013		C=207,B=19
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	09		14	SWP 13995	L	L	0	000	00	81	138	23	37	G	81/358		TRAILED
HD	120678	IEDBS	13	49	23.0	-62	28	27	7.6	E0.56	09		14	LWR 10648	L	L	0	003	00	81	139	14	49	G	81/356		C=2X,B=27,TRLD
	LSE044	HSDJD	13	49	33.0	-47	54	49	12.5		04	SD	16	LWR 11409	L	L	0	009	00	81	236	13	45	G	82/084		C=205,B=28
	LSE044	HSDJD	13	49	33.0	-47	54	49	12.5		04	SD	16	SWP 14801	L	L	0	004	00	81	236	14	16	G	82/084		C=175,B=15
	LSE153	HSDJD	13	50	28.2	-46	32	19	11.4		04	SD	16	SWP 14795	L	L	0	001	00	81	235	14	17	G	82/080		C=150,B=20
	LSE153	HSDJD	13	50	28.2	-46	32	19	11.4		04	SD	16	LWR 11406	L	L	0	002	30	81	235	14	48	G	82/081		C=200,B=30
	MARK 279	QSDAB	13	51	52.4	+69	33	15	14.2		SY		84	LWR 11623	L	L	0	125	00	81	269	21	21	G	82/115		E=239,C=170,B=38
	MRK 279	QSDAB	13	51	52.5	+69	33	16	14.2				84	SWP 14225	L	L	0	300	00	81	160	07	05	G	82/011		E=196,C=163,B=60
	MRK 279	QSDAB	13	51	52.5	+69	33	16	14.2				84	LWR 10816	L	L	0	100	00	81	160	12	08	G	82/014		E=190,C=160,B=35

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	1401+12	UK422	14	00	57.0	+11	24	00	15.0				88	SWP 14545	L	L	0	420	00	81	204	20	47	V	/		223
HD	123008	IEDTS	14	03	44.4	-64	13	53	8.9	E0.79	09	IB	13	LWR 10444	L	L	0	018	00	81	115	22	10	G	81/326		C=6X,B=94
HD	123008	IEDTS	14	03	44.4	-64	13	53	8.9	E0.79	09	IB	13	SWP 13807	L	L	0	012	00	81	115	22	45	G	81/326		C=3X,B=120
HD	124224	BPDKR	14	09	43.8	+02	38	38	4.9		B9		27	LWR 10719	L	L	0	000	05	81	146	19	53	G	81/361		C=2X,B=25
HD	124224	BPDKR	14	09	43.8	+02	38	38	4.9		B9		27	LWR 10719	L	S	0	000	05	81	146	19	57	G	81/361		C=200,B=25
HD	124224	BPDKR	14	09	43.8	+02	38	38	4.9		B9		27	SWP 14082	L	L	0	000	07	81	146	20	00	G	81/361		C=1.5X,B=25
HD	124224	BPDKR	14	09	43.8	+02	38	38	4.9		B9		27	SWP 14082	L	S	0	000	10	81	146	20	03	G	81/361		C=240,B=25
HD	124752	CCDJL	14	11	20.7	+67	49	12	8.2		K2	V	46	LWR 11738	L	L	0	018	00	81	283	06	08	G	82/129		C=160,B=22
	H1413+11	QSDRG	14	13	20.0	+11	43	37	17.0				85	LWR 10944	L	L	0	372	00	81	175	07	04	G	82/026		C=75,B=70
HD	124689	CBDJE	14	13	24.9	-57	37	22	7.3		F2	V	40	SWP 13829	L	L	0	120	00	81	118	17	28	G	81/326		E=150,C=3X,B=155
	H 124689	UK313	14	13	25.0	-57	37	00	7.2				40	LWR 10418	H	L	0	090	00	81	113	02	24	V	/		404
	H 124689	UK313	14	13	25.0	-57	37	00	7.2				40	SWP 13784	L	L	0	090	00	81	113	03	58	V	/		702
	HE2-108	UK467	14	14	47.0	-51	57	00	12.5				70	SWP 14181	L	L	0	020	00	81	155	04	57	V	/		301
	HE2-108	UK467	14	14	47.0	-51	57	00	12.5				70	LWR 10776	L	L	0	027	00	81	155	05	20	V	/		403
	N 5548	VILSP	14	15	43.0	+25	22	00	13.6				84	SWP 14398	L	L	0	090	00	81	185	21	35	V	/		340
	N 5548	VILSP	14	15	43.0	+25	22	00	13.6				84	LWR 11009	L	L	0	075	00	81	185	23	09	V	/		353
	N 5548	UK475	14	15	44.0	+25	22	00	13.5				84	LWR 10850	L	L	0	060	00	81	165	02	33	V	/		243
	N 5548	UK475	14	15	44.0	+25	22	00	13.5				84	SWP 14253	L	L	0	060	00	81	165	03	36	V	/		231
HD	125248	HRDPB	14	15	51.9	-18	29	07	5.9		B8	V	22	SWP 14461	H	L	0	015	00	81	193	17	49	G	82/041		C=152,B=40
HD	125248	HRDPB	14	15	51.9	-18	29	07	5.9	E0.01			22	SWP 14474	H	L	0	025	00	81	195	17	31	G	82/046		C=245,B=65
HD	125248	HRDPB	14	15	51.9	-18	29	07	5.9	E0.01	B8	V	22	SWP 14493	H	L	0	022	29	81	197	17	24	G	82/046		C=220,B=53
HD	125248	HRDPB	14	15	51.9	-18	29	07	5.9	E0.01	B8	V	22	SWP 14510	H	L	0	025	00	81	199	17	57	G	82/049		C=240,B=42
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	SWP 14070	L	L	0	000	00	81	145	19	55	G	81/361		C=240,B=20,TRAILED
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	LWR 10707	L	L	0	000	00	81	145	20	07	G	81/361		C=30X,B=30,TRAILED
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	SWP 14071	H	L	0	000	52	81	145	21	00	G	81/361		C=200,B=35
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	LWR 10708	H	L	0	001	18	81	145	21	04	G	81/361		C=1.5X,B=40
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	SWP 14088	H	L	0	001	09	81	147	18	07	G	81/361		C=255,B=40
HD	125823	BPDKR	14	19	56.7	-39	17	04	4.6		B5		27	LWR 10727	H	L	0	001	09	81	147	18	11	G	81/361		C=1.5X,B=40
HD	125823	BPDKR	14	19	56.8	-39	17	05	4.6		B5		27	SWP 14080	L	H	0	070	00	81	146	17	41	G	81/358		C=250,B=40
HD	125823	BPDKR	14	19	56.8	-39	17	05	4.6		B5		27	LWR 10717	L	H	0	000	70	81	146	17	45	G	81/361		C=1.5X,B=37
	H 125924	UK458	14	20	37.0	-08	01	00	9.2				20	SWP 13969	H	L	0	113	00	81	134	00	32	V	/		501
	MARK 679	QSDWS	14	21	17.5	+33	05	55	16.5				85	FES 1335	P	2		001	25	81	170	07	00	G	82/011		NO COMMENTS
	MARK 679	QSDWS	14	21	17.5	+33	05	55	16.5				85	LWR 10905	L	L	0	410	00	81	170	07	05	G	82/014		C=185,B=90
HD	126660	RPSTD	14	23	29.5	+52	04	52	4.07	E0.00	F7	V	41	LWR 12026	L	L	0	000	30	81	326	06	50	G	82/189		C=207,B=25,TRLD
HD	126660	RPSTD	14	23	29.5	+52	04	52	4.07	E0.00	F7	V	41	SWP 15546	L	L	0	013	00	81	326	07	00	G	82/174		C=190,B=32
PG	1424+535	FBDRG	14	24	14.8	+53	28	51	16.0		D0		17	LWR 11993	L	L	0	150	00	81	322	20	36	G	82/172		C=225,B=45
PG	1424+535	FBDRG	14	24	14.8	+53	28	51	16.0		D0		17	SWP 15515	L	L	0	150	00	81	322	23	11	G	82/172		C=255,B=23
	LSE099	HSDJD	14	34	33.3	-36	00	21	12.7		O4	SD	63	SWP 14819	L	L	0	009	00	81	238	14	16	G	82/084		C=85,B=26
	LSE099	HSDJD	14	34	33.3	-36	00	21	12.7		O4	SD	63	LWR 11417	L	L	0	022	30	81	238	14	31	G	82/084		C=205,B=48
	MRK 817	QSDSG	14	35	01.0	+59	01	00	14.0				84	SWP 15414	L	L	0	130	00	81	310	01	39	G	82/154		E=175,C=109,B=35

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	MRK 817	QSDSG	14	35	01.0	+59	01	00	14.0				84	SWP 15447	L	L	0	270	00	81	311	20	38	G	82/154	E=222,C=140,B=60
	MRK 817	QSDSG	14	35	01.0	+59	01	00	14.0				84	LWR 11936	L	L	0	150	00	81	312	01	14	G	82/154	E=174,C=162,B=45
Q	1435+638	QSDWS	14	35	37.2	+63	49	35	15.0				85	LWR 10906	L	L	0	410	00	81	170	14	58	G	82/014	C=230,B=137
HD	128621	CCDKH	14	35	54.4	-60	37	38	1.3		K1	V	46	LWR 11603	H	L	0	001	52	81	265	14	43	G	82/111	E=197,C=205,B=27
HD	128621	CCDKH	14	35	54.4	-60	37	38	1.3		K1	V	46	LWR 11624	H	L	0	001	52	81	270	12	27	G	82/117	E=207,C=200,B=29
HD	128621	CCDKH	14	35	54.4	-60	37	38	1.3		K1	V	46	LWR 11643	H	L	0	001	52	81	273	12	50	G	82/117	E=242,C=240,B=34
HD	128621	CCDKH	14	35	54.4	-60	37	38	0.0		G2	V	44	LWR 11701	H	L	0	001	52	81	279	12	49	G	82/118	E=178,C=185,B=33
HD	128621	CCDKH	14	35	54.4	-60	37	38	1.3		K1	V	46	LWR 11762	H	L	0	001	52	81	285	13	38	G	82/130	E=171,C=170,B=26
HD	128621	CCDKH	14	35	54.4	-60	37	38	1.3		K1	V	46	LWR 11803	H	L	0	001	52	81	291	13	11	G	82/136	E=147,C=150,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	LWR 10517	H	L	0	001	51	81	124	17	44	G	81/335	E=209,C=200,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 13887	L	L	0	002	39	81	124	17	49	G	81/335	E=130,C=35,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 13988	L	L	0	002	39	81	137	19	55	G	81/357	E=108,C=50,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	19	1.3		K1	V	46	LWR 10634	H	L	0	001	51	81	137	20	00	G	81/357	E=189,C=200,B=28
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	LWR 10689	H	L	0	001	51	81	143	21	29	G	81/361	E=169,C=175,B=32
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 14038	L	L	0	002	39	81	143	21	34	G	81/361	E=120,C=54,B=29
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	LWR 10795	H	L	0	001	51	81	157	15	52	G	82/007	E=216,C=210,B=26
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 14202	L	L	0	002	39	81	157	15	56	G	82/005	E=148,C=50,B=20
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	LWR 10854	H	L	0	001	51	81	165	15	58	G	82/011	E=192,C=185,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 14256	L	L	0	002	39	81	165	16	03	G	82/014	E=126,C=45,B=24
HD	128621	CCDKH	14	35	54.6	-60	37	37	1.3		K1	V	46	LWR 10928	H	L	0	001	51	81	173	15	53	G	82/033	E=216,C=180,B=25
HD	128621	CCDKH	14	35	54.6	-60	37	38	1.3		K1	V	46	SWP 14302	L	L	0	002	39	81	173	15	58	G	82/025	E=137,C=40,B=25
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15075	L	L	0	003	00	81	265	14	29	G	82/111	E=168,C=1.5X,B=18
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15075	L	S	0	003	00	81	265	14	30	G	82/111	E=168,C=1.5X,B=18
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15133	L	L	0	003	00	81	273	12	35	G	82/117	E=146,C=1.25X,B=21
HD	128620	CCDKH	14	35	55.9	-60	37	19					44	SWP 15133	L	S	0	003	00	81	273	12	36	G	82/117	E=146,C=1.25X,B=21
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15193	L	L	0	003	00	81	279	12	34	G	82/129	E=168,C=2X,B=33
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15193	L	S	0	003	00	81	279	12	35	G	82/129	E=168,C=2X,B=33
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15243	L	L	0	003	01	81	285	13	30	G	82/130	C=3X,B=20
HD	128620	CCDKH	14	35	55.9	-60	37	19	0.0		G2	V	44	SWP 15243	L	S	0	003	01	81	285	13	31	G	82/130	C=3X,B=20
HD	128620	CCDKH	14	35	55.9	-60	37	49	0.0		G2	V	44	SWP 15288	L	L	0	003	00	81	291	13	25	G	82/136	E=149,C=2X,B=20
HD	128620	CCDKH	14	35	56.1	-60	37	20			G2	V	44	LWR 10516	H	L	0	001	00	81	124	16	36	G	81/335	E=190,C=2-3X
HD	128620	CCDKH	14	35	56.1	-60	37	20			G2	V	44	SWP 13886	L	L	0	003	00	81	124	16	40	G	81/335	E=138,C=2-4X,B=17
HD	128620	CCDKH	14	35	56.1	-60	37	19			G2	V	44	LWR 10633	H	L	0	001	00	81	137	19	07	G	81/357	E=182,C=2X,B=25
HD	128620	CCDKH	14	35	56.1	-60	37	19			G2	V	44	LWR 10688	H	L	0	001	00	81	143	20	27	G	81/361	E=209,C=2X,B=38
HD	128620	CCDKH	14	35	56.1	-60	37	19			G2	V	44	SWP 14037	L	L	0	003	00	81	143	20	30	G	81/361	E=172,C=2X,B=23
HD	128620	CCDKH	14	35	56.1	-60	37	19	0.0		G2	V	44	LWR 10794	H	L	0	001	00	81	157	14	47	G	82/018	C=2X,B=33
HD	128620	CCDKH	14	35	56.1	-60	37	19	0.0		G2	V	44	SWP 14201	L	L	0	003	00	81	157	14	51	G	82/012	E=165,C=2X,B=18
HD	128620	CCDKH	14	35	56.1	-60	37	19	0.0		G2	V	44	LWR 10853	H	L	0	001	00	81	165	14	53	G	82/018	E=186,C=2X,B=34
HD	128620	CCDKH	14	35	56.1	-60	37	19	0.0		G2	V	44	SWP 14255	L	L	0	003	00	81	165	14	56	G	82/018	E=152,C=2X,B=15
HD	128620	CCDKH	14	35	56.1	-60	37	19	0.0		G2	V	44	LWR 10927	H	L	0	001	00	81	173	14	51	G	82/033	E=190,C=2X,B=33

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	128620	CCDKH	14	35	56.1	-60	36	19	0.0		G2	V	44	SWP 14301	L	L	0	003	00	81	173	14	54	G	82	033	E=180,C=2-3X,B=30
HD	128620	CCDKH	14	35	56.1	-60	37	19			G2		44	SWP 14301	L	S	0	003	00	81	173	14	54	G	82	033	E=180,C=2-3X,B=30
	MK478	QSDRP	14	40	04.6	+35	38	53	15.0				84	LWR 11450	L	L	0	380	00	81	244	02	45	G	82	090	E=180,C=240,B=72
	MK478	QSDRP	14	40	04.6	+35	38	53	15.0				84	LWR 11460	L	L	0	305	00	81	246	02	38	G	82	098	E=255,C=245,B=55
	MK478	QSDRP	14	40	04.6	+35	38	53	15.0				84	LWR 11471	L	L	0	052	00	81	247	14	53	G	82	098	E=86,C=100,B=38
	QQ172	UK472	14	42	50.0	+10	11	00	17.5				85	SWP 13996	L	L	0	340	00	81	139	02	03	V	/		204
	QQ 172	UK472	14	42	50.0	+10	11	00	17.5				85	SWP 14790	L	L	0	815	00	81	233	20	10	V	/		119 READ AT GSFC
	QQ 172	HZDAB	14	42	50.3	+10	11	12	17.8		QS		85	SWP 14790	L	L	0	815	00	81	234	03	11	G	82	080	E=1.5X,C=5,B=110
	7MULIBRA	PHCAL	14	46	34.3	-13	56	30	5.36		A4		21	LWR 10777	L	L	0	000	19	81	155	12	54	G	82	011	C=1.5X,B=24
	IIZW70	EGDJH	14	48	55.0	+35	46	36	14.5				88	SWP 14600	L	L	0	220	00	81	212	05	10	G	82	056	C=125,B=52
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	44	SWP 13677	L	L	0	090	00	81	097	21	55	G	81	308	E=260,C=230,B=96
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	44	LWR 10304	H	L	0	012	30	81	097	23	29	G	81	308	E=206,C=142,B=32
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	44	LWR 11553	H	L	0	015	00	81	258	02	00	G	82	102	E=219,C=160,B=30
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	44	SWP 14997	L	L	0	090	00	81	258	02	33	G	82	102	E=255,C=210,B=42
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	45	SWP 15037	L	L	0	090	00	81	261	23	48	G	82	105	E=255,C=200,B=33
HD	131156	CSDCB	14	49	04.8	+19	18	27	4.7		G8	V	45	LWR 11583	H	L	0	015	00	81	262	01	24	G	82	105	E=213,C=170,B=33
	XI BOO A	CCDTA	14	49	04.9	+19	18	26	4.5		G8	V	44	SWP 14792	H	L	0	952	00	81	234	17	25	G	82	080	E=1.5X,C=220,B=140
	XI BOOA	CCDTA	14	49	05.0	+19	18	27	4.5		G8	V	44	SWP 14791	H	L	0	060	00	81	234	14	03	G	82	081	C=113,B=113
	XI BOOA	CCDTA	14	49	05.0	+19	18	27	4.5		G8	V	44	LWR 11402	H	L	0	060	00	81	234	15	07	G	82	080	E=4X,C=2-3X,B=90
	XI BOO A	CCDTA	14	49	05.0	+19	18	27	4.5		G8	V	44	LWR 11403	H	L	0	015	00	81	234	16	40	G	82	080	E=255,C=170,B=30
	HD131154	UK482	14	49	05.0	+19	18	00	04.5				44	SWP 14791	H	L	0	952	00	81	234	17	25	V	/		339 START, READ AT G
BD	+06 2986	CCDHJ	15	02	25.6	+05	50	12	9.9		K5	V	46	LWR 10838	L	L	0	133	00	81	163	16	35	G	82	014	E=145,C=100,B=50
BD	+06 2986	CCDHJ	15	02	25.6	+05	50	12	9.9		K5	V	46	LWR 10838	L	S	0	044	00	81	163	18	52	G	82	014	E=145,B=50
HD	133518	HRDPB	15	03	20.6	-51	50	15	6.6		B3	V	21	SWP 14662	H	L	0	006	30	81	217	15	24	G	82	066	C=205,B=72
HD	133518	HRDPB	15	03	20.6	-51	50	15	6.6		B3	V	21	SWP 14684	H	L	0	006	29	81	219	16	29	G	82	066	C=210,B=74
Q	1510-089	QSDAG	15	10	09.0	-08	54	48	15.6				85	LWR 10806	L	L	0	220	00	81	158	10	10	G	82	005	E=92,C=110,B=50
	NGC 5904	LA565	15	16	00.0	+02	16	00	00.0				83	SWP 14950	L	L	0	195	00	81	253	17	11	V	/		301
	NGC 5904	LA565	15	16	00.0	+02	16	00	00.0				83	LWR 11506	L	L	0	377	00	81	253	17	15	V	/		308SERENDIPITY,MCROP
	NGC 5904	LA565	15	16	00.0	+02	16	00	00.0				83	SWP 14951	L	L	0	177	00	81	253	20	50	V	/		301
HD	136175	CBDMP	15	16	08.9	+31	49	43	7.0	EO.05	B4	V	39	SWP 14622	H	L	0	050	00	81	214	03	59	G	82	056	C=190,B=42
	H 136488	UK332	15	19	58.0	-62	30	00	9.4				10	SWP 13816	H	L	0	220	00	81	117	04	57	V	/		352
HD	136488	HSCPC	15	19	58.1	-62	30	00	9.43	EO.76	WC	IAB	10	LWR 10526	L	L	0	007	00	81	125	19	12	G	81	343	E=3-4X,B=30
HD	136488	HSCPC	15	19	58.1	-62	30	00	9.43	EO.76	WC	IAB	10	SWP 13898	L	L	0	011	00	81	125	19	25	G	81	343	E=2X,C=1.5X,B=35
HD	136488	HSCPC	15	19	58.1	-62	30	00	9.43	EO.76	WC	IAB	10	LWR 10527	L	L	0	004	00	81	125	20	16	G	81	342	E=3X,C=195,B=30
HD	136488	HSCPC	15	19	58.1	-62	30	00	9.43	EO.76	WC	IAB	10	SWP 13899	L	L	0	007	00	81	125	20	25	G	81	342	E=1.5X,C=190,B=35
HD	138749	BEDGP	15	30	54.7	+31	31	36	4.2	EO.05	B7	V	26	SWP 14431	H	L	0	002	00	81	190	16	01	G	82	035	C=260X,B=46
HD	138749	BEDGP	15	30	54.7	+31	31	36	4.2	EO.05	B7	V	26	LWR 11037	H	L	0	001	05	81	190	16	07	G	82	035	C=220,B=32
	HD138749	UK475	15	30	55.0	+31	32	00	4.2				59	SWP 15252	H	L	0	002	00	81	286	18	17	V	/		501
	HD138749	UK480	15	30	55.0	+31	32	00	4.2				26	SWP 14763	H	L	0	002	00	81	226	20	25	V	/		651
	H 138749	UK481	15	30	55.0	31	32	00	4.2				26	SWP 14271	H	L	0	002	00	81	168	23	28	V	/		601 SATURATED

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	HD138749	VD538	15 30 55.0	+31 32 00	04.2			21	SWP 15011	H	L	0	001 40	81 259 18 23	V	/	501
HD	139195	CBDDL	15 34 05.3	+10 10 34	5.26		K0 III	47	SWP 13925	L	L	0	225 00	81 128 08 34	G	81/348	C=96,B=42
	H 149757	UK481	15 34 24.0	-10 28 00	2.6			14	SWP 14270	H	L	0	000 23	81 168 22 34	V	/	501
	LSS3378	HSDJD	15 35 24.3	-48 26 14	11.5		B5 IA	27	LWR 11397	L	L	0	030 00	81 233 16 28	G	82/080	C=120,B=33
	LSS3378	HSDJD	15 35 24.3	-48 26 14	11.5		B5 IA	27	SWP 14811	L	L	0	225 00	81 237 10 31	G	82/084	C=180,B=115
	H 141714	SC537	15 47 30.0	+26 13 00	4.6			45	LWR 10860	H	L	0	030 00	81 166 01 11	V	/	553
	H 141714	SC537	15 47 30.0	+26 13 00	4.6			45	SWP 14262	L	L	0	073 00	81 166 02 17	V	/	331
	CN 1-1	NPCJL	15 47 38.5	-48 36 00	1.0			70	LWR 10293	L	L	0	075 00	81 095 22 28	G	81/308	E=149,C=120,B=52
	CN 1-1	NPCJL	15 47 38.5	-48 36 00	1.0			70	SWP 13665	L	L	0	030 00	81 095 23 47	G	81/308	E=185,C=50,B=40
	*	PHCAL	15 50 01.0	+33 05 28	99	99		20	SWP 14497	L	L	0	004 00	81 197 00 50	V	/	NO COMMENTS
	*	PHCAL	15 50 01.0	+33 05 28	99	99		20	SWP 14497	L	S	0	012 00	81 197 01 00	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWP 1359	L	L	0	003 09	81 284 17 26	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWP 1359	L	S	0	003 09	81 284 17 35	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWP 1360	L	L	0	003 09	81 284 18 18	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWP 1360	L	S	0	003 09	81 284 18 22	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	SWP 15238	L	L	0	004 00	81 284 19 04	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	SWP 15238	L	L	0	012 00	81 284 19 12	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWR 11754	L	S	0	012 00	81 284 20 22	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.0	+33 05 28				20	LWR 11755	L	S	0	012 00	81 284 21 35	V	/	NO COMMENTS
	BD332642	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWP 1359	L	L	0	003 10	81 284 17 25	V	/	602
	BD332642	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWP 1359	L	S	0	009 30	81 284 17 33	V	/	802
	BD332642	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWP 1360	L	L	0	001 00	81 284 18 17	V	/	401
	BD332642	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWP 1360	L	S	0	004 00	81 284 18 21	V	/	501
	BD332640	UKCAL	15 50 01.0	+33 05 00	10.8			20	SWP 15238	L	L	0	004 00	81 284 19 04	V	/	501
	BD332640	UKCAL	15 50 01.0	+33 05 00	10.8			20	SWP 15238	L	S	0	012 00	81 284 19 11	V	/	501
	BD332640	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWR 11754	L	L	0	003 10	81 284 20 15	V	/	502
	BD332640	UKCAL	15 50 01.0	+33 05 00	10.8			20	LWR 11754	L	S	0	009 30	81 284 20 21	V	/	502
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8		B2 IV	21	LWR 10547	L	L	0	003 09	81 128 16 31	G	81/356	C=190,B=25
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8		B2 IV	21	SWP 13927	L	L	0	004 00	81 128 16 41	G	81/356	C=185,B=15
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	SWP 14424	L	S	0	006 39	81 189 13 14	G	82/035	B=35
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	SWP 14424	L	L	0	004 00	81 189 13 24	G	82/035	B=35
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWR 11030	L	L	0	003 00	81 189 13 31	G	82/035	C=170,B=30
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWR 11030	L	S	0	005 05	81 189 13 31	G	82/035	C=160,B=30
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWR 11032	L	L	0	003 10	81 189 15 57	G	82/035	C=165,B=25
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWR 11032	L	S	0	003 10	81 189 15 58	G	82/035	C=165,B=25
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWP 1342	L	L	0	003 20	81 189 17 08	G	82/095	C=225,B=56
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWP 1342	L	S	0	005 05	81 189 17 16	G	82/095	C=190,B=56
	*	PHCAL	15 50 01.9	+33 05 28	99	99		20	LWR 11073	L	S	0	009 29	81 197 01 16	V	/	NO COMMENTS
	*	PHCAL	15 50 01.9	+33 05 28	99	99		20	LWR 11073	L	L	0	003 09	81 197 01 43	V	/	NO COMMENTS
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	EO.07	B2 IV	20	LWR 11369	L	L	0	003 10	81 231 07 13	G	82/074	C=170,B=24

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	E0.07	B2 IV	20	SWP 14781	L	L	0	004 00	81 231	07 20	G	82/074	C=160,B=16
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	E0.07	B2 IV	20	LWR 11649	L	L	0	003 10	81 274	10 55	G	82/117	C=207,B=30
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	E0.07	B2 IV	20	SWP 15145	L	L	0	004 00	81 274	11 02	G	82/117	C=200,B=14
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	E0.07	B2 IV	20	LWR 11998	L	L	0	003 10	81 324	04 49	G	82/172	C=190,B=27
BD	+33 2642	PHCAL	15 50 01.9	+33 05 28	10.8	E0.07	B2 IV	20	SWP 15521	L	L	0	004 00	81 324	04 56	G	82/172	C=180,B=25
	D+332642	UKCAL	15 50 02.0	+33 05 00	10.8			20	SWP 14497	L	L	0	004 00	81 198	00 50	V	/	501
	D+332642	UKCAL	15 50 02.0	+33 05 00	10.8			20	SWP 14497	L	S	0	012 00	81 198	01 00	V	/	501
	D+332642	UKCAL	15 50 02.0	+33 05 00	10.8			20	LWR 11073	L	S	0	009 30	81 198	01 16	V	/	602
	D+332642	UKCAL	15 50 02.0	+33 05 00	10.8			20	LWR 11073	L	L	0	003 10	81 198	01 43	V	/	502
HD	142096	RPSTD	15 50 25.5	-20 01 08	5.02	*	B3 V	21	LWR 10778	L	L	0	000 07	81 155	19 45	G	82/011	C=200,B=25,TRLD
	H 141891	UK458	15 50 43.0	-63 17 00	2.9			40	LWR 10604	H	L	0	002 15	81 134	04 30	V	/	502
	S Y NOR	OD52B	15 50 47.9	-54 25 14	9.0		F8	39	SWP 14926	L	L	0	060 00	81 251	12 47	G	82/095	C=100,B=67
	RU LUPI	UK417	15 53 24.0	-37 41 00	11.0			58	LWR 11515	H	L	0	180 00	81 254	17 08	V	/	375 MICROPHONICS
	RU LUPI	UK417	15 53 24.0	-37 41 00	11.0			58	LWR 11516	H	L	0	060 00	81 254	20 31	V	/	143 MICROPHONICS
	RU LUPI	UK417	15 53 24.0	-37 41 00	11.5			58	SWP 14980	H	L	0	361 00	81 256	17 15	V	/	233
HD	142983	OD57B	15 55 23.0	-14 08 11	4.87	E-.10	B3 V	60	LWR 11065	H	L	0	002 09	81 196	14 29	G	82/046	C=205,B=33
HD	142983	OD57B	15 55 23.0	-14 08 11	4.87	E-.10	B3 V	60	SWP 14479	H	L	0	003 19	81 196	14 35	G	82/046	C=210,B=38
HD	142983	OD57B	15 55 23.0	-14 08 11	4.87	E-.10	B3 V	60	SWP 14480	H	L	0	003 19	81 196	15 17	G	82/046	C=220,B-38
	RY LUP	GG591	15 56 05.0	-40 14 00	10.7			58	LWR 10822	L	L	0	030 00	81 160	23 03	V	/	333
	RY LUP	GG591	15 56 05.0	-40 14 00	10.7			58	SWP 14231	L	L	0	277 00	81 160	23 36	V	/	334
	RY LUP	GG591	15 56 05.0	-40 14 00	10.7			58	LWR 10823	L	L	0	090 00	81 161	04 16	V	/	443
	DELT SCO	SSDAL	15 57 22.2	-22 28 51	2.5		B0	20	SWP 14269	H	L	0	000 05	81 168	14 11	G	82/014	C=182,B=32
	DELT SCO	SSDAL	15 57 22.2	-22 28 51	2.5		B0	20	LWR 10881	H	L		000 06	81 168	14 15	G	82/014	C=190,B=33
	DELT SCO	SSDAL	15 57 22.2	-22 28 51	2.54		B0	20	LWR 10894	H	L	0	000 07	81 169	14 43	G	82/014	C=215,B=32
HD	143414	HSCPC	15 59 23.5	-62 33 20	10.2	E0.36	09 IB	13	LWR 10528	L	L	0	003 29	81 125	21 20	G	81/342	E=1.5-2X,C=190,B=35
HD	143414	HSCPC	15 59 23.5	-62 33 20	10.2	E0.36	09 IB	13	SWP 13900	L	L	0	005 00	81 125	21 29	G	81/342	E=2-3X,C=150,B=20
	AG DRA	AA545	16 01 23.0	66 56 00	9.3			57	SWP 13793	H	L	0	030 00	81 114	02 19	V	/	261
	AG DRA	AA545	16 01 23.0	66 56 00	9.3			57	LWR 10426	H	L	0	030 00	81 114	02 54	V	/	231
	AG DRA	AA545	16 01 23.0	66 56 00	9.3			57	SWP 13794	H	L	0	080 00	81 114	03 28	V	/	151
	AG DRA	DP552	16 01 23.0	+66 56 00	00.0			57	SWP 14640	L	L	0	015 00	81 215	20 33	V	/	571
	AG DRA	DP552	16 01 23.0	+66 56 00	00.0			57	SWP 14640	L	S	0	005 00	81 215	20 51	V	/	351
	AG DRA	DP552	16 01 23.0	+66 56 00	00.0			57	LWR 11230	H	L	0	030 00	81 215	21 02	V	/	251 MICROPHONICS
	AG DRA	DP552	16 01 23.0	+66 56 00	00.0			57	SWP 14641	H	L	0	050 00	81 215	21 35	V	/	261
	AG DRA	DP552	16 01 23.0	+66 56 00	00.0			57	LWR 11231	L	L	0	005 00	81 215	22 32	V	/	561
BD	+67 922	NPCJL	16 01 23.0	+66 54 59	9.4			70	LWR 10291	L	S	0	004 00	81 095	17 24	G	81/302	C=160,B=25
BD	+67 922	NPCJL	16 01 23.0	+66 54 59	9.4			70	LWR 10291	L	L	0	006 00	81 095	17 35	G	81/302	C=2X,B=25
BD	+67 922	NPCJL	16 01 23.0	+66 54 59	9.4			70	SWP 13663	L	S	0	001 00	81 095	18 01	G	81/302	E=113,C=45,B=25
BD	+67 922	NPCJL	16 01 23.0	+66 54 59	9.4			70	SWP 13663	L	L	0	007 00	81 095	18 08	G	81/302	E=5.5X,C=170,B=25
BD	+67 922	NPCJL	16 01 23.1	+66 56 21	9.3			70	LWR 10294	L	L	0	003 00	81 096	01 17	G	81/301	E=225,C=175,B=27
BD	+67 922	NPCJL	16 01 23.1	+66 56 21	9.3			70	LWR 10294	L	S	0	004 00	81 096	01 28	G	81/301	E=200,C=120,B=27

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	OBSERVATION DATE HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD +67 922	NPCJL	16 01 23.2	+66 56 21	9.3			70	SWP 13666	L	L	0	007 00	81 096	01 05	G	81/308	E=6.5X,C=160,B=24
BD +67 922	NPCJL	16 01 23.2	+66 56 21	9.3			70	SWP 13666	L	S	0	001 00	81 096	01 23	G	81/308	E=123,C=42,B=25
AG DRA	CVDDL	16 01 23.8	+66 56 44	9.9		G5 III	57	LWR 10567	L	L	0	010 00	81 130	17 51	G	81/340	C=2X,B=30
AG DRA	CVDDL	16 01 23.8	+66 56 44	9.9		G5 III	57	SWP 13955	L	S	0	001 00	81 130	18 07	G	81/356	E=118,B=25
AG DRA	CVDDL	16 01 23.8	+66 56 44	9.9		G5 III	57	SWP 13955	L	L	0	012 00	81 130	18 15	G	81/356	E=10X,C=230,B=25
AG DRA	CVDDL	16 01 23.8	+66 56 44	9.9		G5 III	57	LWR 10568	L	L	0	004 00	81 130	18 44	G	81/356	E=1.5X,C=220,B=30
AG DRA	ZADRS	16 01 23.8	+66 56 44	9.9		M IB	57	LWR 11320	H	L	0	045 00	81 226	13 05	G	82/081	C=155,B=72
AG DRA	ZADRS	16 01 23.8	+66 56 44	9.9		M IB	57	SWP 14757	L	L	0	005 00	81 226	14 20	G	82/070	C=115,B=38
AG DRA	ZADRS	16 01 23.8	+66 56 44	9.9		M IB	57	SWP 14757	L	S	0	002 00	81 226	14 53	G	82/070	C=56,B=38
BD +67 922	NPCJL	16 01 24.0	+66 54 59	4.9			70	SWP 13651	H	L	0	045 00	81 093	23 54	G	81/299	E=255,C=135,B=45
BD +67 922	NPCJL	16 01 24.0	+66 54 59	9.4			70	LWR 10281	H	L	0	065 00	81 094	00 43	G	81/299	E=255,C=135,B=45
BD +67 922	NPCJL	16 01 24.0	+66 54 59	9.4			70	LWR 10290	H	L	0	100 00	81 095	13 34	G	81/302	E=1.5X,C=150,B=41
BD +67 922	NPCJL	16 01 24.0	+66 54 59	9.4			70	SWP 13662	L	L	0	120 00	81 095	15 19	G	81/302	E=2-3X,C=80,B=40
NGC 6058	NPDJK	16 02 43.4	+40 49 04	0.1		SD	70	LWR 10913	L	L	0	020 00	81 171	21 15	G	82/014	C=190,B=27
NGC 6058	NPDJK	16 02 43.4	+40 49 04	0.1		SD	70	SWP 14293	L	L	0	010 00	81 171	21 38	G	82/014	C=223,B=17
H 144470	UK410	16 03 53.0	-20 32 00	4.1			20	SWP 13906	H	L	0	001 00	81 126	06 12	V	/	501
H 144661	AH510	16 04 51.0	-24 20 00	6.3			18	LWR 10564	H	L	0	012 00	81 130	06 38	V	/	503
H 144661	AH510	16 04 51.0	-24 20 00	6.3			18	SWP 13953	H	L	0	017 00	81 130	07 02	V	/	501
H 144661	AH510	16 04 51.0	-24 20 00	6.3			18	LWR 10565	L	L	0	011 00	81 130	07 31	V	/	502
H 144661	AH510	16 04 51.0	-24 20 00	6.3			18	LWR 10565	L	S	0	016 00	81 130	07 34	V	/	502
HD144667	HT535	16 05 13.0	-38 58 00	06.6			27	SWP 14848	L	L	0	001 30	81 241	00 27	V	/	800
HD144667	HT535	16 05 13.0	-38 58 00	06.6			27	LWR 11430	L	L	0	001 00	81 241	00 34	V	/	802
HD144667	HT535	16 05 13.0	-38 58 00	06.6			27	SWP 14849	L	L	0	000 25	81 241	01 11	V	/	501
HD144667	HT535	16 05 13.0	-38 58 00	06.6			27	LWR 11431	L	L	0	000 18	81 241	01 37	V	/	601
DEL TR A	DR370	16 10 52.0	-63 33 00	3.8			45	SWP 13640	L	L	0	120 00	81 092	03 14	V	/	451
DEL TR A	DR370	16 10 52.0	-63 33 00	3.8			45	LWR 10266	H	L	0	30 00	81 092	05 17	V	/	453
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14345	L	L	0	040 00	81 178	17 02	G	82/033	E=2X,C=2X,B=60
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10959	H	L	0	020 00	81 178	17 48	G	82/033	E=168,C=175,B=40
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10960	H	L	0	025 00	81 178	20 46	G	82/033	E=203,C=180,B=30
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14347	L	L	0	035 00	81 178	21 15	G	82/033	E=234,C=30%X,B=30
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14364	L	L	0	040 00	81 181	17 19	G	82/031	E=190,C=1.5-2X,B=43
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10974	H	L	0	025 00	81 181	18 04	G	82/031	E=227,C=205,B=42
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10988	H	L	0	025 00	81 183	04 39	G	82/033	E=157,C=197,B=33
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14379	L	L	0	040 00	81 183	05 10	G	82/033	E=188,C=1.5X,B=21
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10991	H	L	0	025 00	81 183	12 19	G	82/031	E=186,C=180,B=33
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14382	L	L	0	040 00	81 183	12 48	G	82/031	E=154,C=1.5-2X,B=52
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	LWR 10994	H	L	0	025 00	81 183	18 06	G	82/033	E=170,C=205,B=80
HD 146361	XSDRS	16 12 48.3	+33 59 02	5.8		F8 V	41	SWP 14385	L	L	0	035 00	81 183	18 36	G	82/033	E=159,C=1.5X,B=62
PG 1612+112	FBDRG	16 12 50.1	+11 10 06	16.3			19	SWP 14330	L	L	0	154 00	81 176	19 13	G	82/033	C=105,B=53
MK876	QSDRP	16 13 36.5	+65 50 35				84	LWR 11484	L	L	0	138 30	81 250	13 27	G	82/095	C=165,B=98

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	MK876	QSDRP	16 13 36.6	+65 50 36	15.5				84	LWR 11477	L	L	0	300 00	81 249	02 03	G	82/095	C=165,B=47
	MK876	QSDRP	16 13 55.0	+65 50 20	15.5				84	LWR 11480	L	L	0	060 00	81 249	14 45	G	82/095	C=105,B=50
	IV-12001	HSDJD	16 20 57.4	-12 05 36	11.1		04	SD	16	SWP 14812	L	L	0	002 30	81 237	14 47	G	82/084	C=165,B=18
	IV-12001	HSDJD	16 20 57.4	-12 05 36	11.1		04	SD	16	LWR 11412	L	L	0	004 00	81 237	14 54	G	82/084	C=230,B=26
	H 147889	UK410	16 22 23.0	-24 21 00	7.9				20	SWP 13905	L	L	0	003 30	81 126	05 08	V	/	402
	H 147889	UK410	16 22 23.0	-24 21 00	7.9				20	LWR 10535	L	S	0	008 00	81 126	05 20	V	/	701
	H 147889	UK410	16 22 23.0	-24 21 00	7.9				20	LWR 10535	L	L	0	010 00	81 126	05 34	V	/	501
	H 147933	UK410	16 22 35.0	-23 20 00	4.6				20	LWR 10501	L	L	0	000 06	81 122	06 32	V	/	702
	H 147933	UK410	16 22 35.0	-23 20 00	4.6				20	SWP 13864	L	L	0	000 06	81 122	06 35	V	/	700
	H147933A	UK410	16 22 35.0	-23 20 00	4.6				20	LWR 10533	H	L	0	005 00	81 126	03 09	V	/	802
	H147933A	UK410	16 22 35.0	-23 20 00	4.6				20	SWP 13904	L	L	0	000 03	81 126	03 38	V	/	502
	H147933A	UK410	16 22 35.0	-23 20 00	4.6				20	LWR 10534	L	L	0	000 05	81 126	04 04	V	/	702
	H147933A	UK410	16 22 35.0	-23 20 00	4.6				20	LWR 10534	L	S	0	000 04	81 126	04 07	V	/	702
HD	148184	MLDGP	16 24 07.3	-18 20 41	4.4	E0.25	B2	V	26	SWP 15059	H	L	0	003 45	81 263	15 35	G	82/109	C=210,B=35
PG	1624+085	FBDRG	16 24 30.0	+08 32 06	15.0		0		16	SWP 14329	L	L	0	056 00	81 176	16 48	G	82/024	C=120,B=55
PG	1624+085	FBDRG	16 24 30.0	+08 32 06	15.0		0		16	LWR 10948	L	L	0	045 00	81 176	18 02	G	82/033	C=165,B=45
	D-9 4395	DS524	16 25 52.0	-09 13 00	10.6				27	SWP 13826	H	L	0	398 00	81 118	03 09	V	/	503
NGC	6166	EGDJG	16 26 40.0	+39 39 36	12.0				81	LWP 1372	L	L	0	792 00	81 321	13 26	G	82/165	C=110,B=98
NGC	6166	EGDJG	16 26 54.0	+39 39 36	12.0				81	SWP 15520	L	L	0	816 00	81 323	13 02	G	82/172	C=78,B=73
BD	-12 4523	CCDHJ	16 27 30.9	-12 32 54	10.1		M4	V	48	LWR 10837	L	L	0	180 00	81 163	13 01	G	82/018	E=131,C=85,B=50
HD	149162	CCDHJ	16 30 21.9	+03 21 05	9.3		K1	V	46	LWR 10836	L	L	0	100 00	81 163	10 47	G	82/011	C=2X,B=36
	HD149038	HL593	16 30 31.0	-43 56 00	04.9				13	SWP 14829	H	S	0	008 20	81 239	01 12	V	/	601
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	E0.06	B0		20	SWP 14425	H	L	0	000 05	81 189	14 32	G	82/035	C=220,B=34
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	E0.06	B0	V	20	LWR 11031	H	L	0	000 06	81 189	15 12	G	82/035	C=200,B=32
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	E0.06	B0	V	20	LWP 1343	H	L	0	000 05	81 189	18 02	G	82/095	C=210,B=40
HD	149438	PHCAL	16 32 45.9	-28 06 50					20	SWP 15237	H	L	0	000 05	81 284	14 50	V	/	NO COMMENTS
HD	149438	PHCAL	16 32 45.9	-28 06 50					20	LWR 11753	H	L	0	000 05	81 284	14 54	V	/	NO COMMENTS
HD	149438	PHCAL	16 32 45.9	-28 06 50					20	LWP 1358	H	L	0	000 05	81 284	16 16	V	/	
HD	149438	PHCAL	16 32 46.0	-28 06 51	2.8		B0	V	20	SWP 13713	H	L	0	000 06	81 104	22 12	G	81/312	C=215,B=32
HD	149438	PHCAL	16 32 46.0	-28 06 51	2.8		B0	V	20	LWR 10350	H	L	0	000 06	81 104	22 15	G	81/312	C=210,B=34
	TAU SCO	UKCAL	16 32 46.0	-28 07 00	2.8				20	SWP 15237	H	L	0	000 06	81 284	14 50	V	/	501
	TAU SCO	UKCAL	16 32 46.0	-28 07 00	2.8				20	LWR 11753	H	L	0	000 06	81 284	14 54	V	/	502 MN=177
	TAU SCO	UKCAL	16 32 46.0	-28 07 00	2.8				20	LWP 1358	H	L	0	000 06	81 284	16 16	V	/	502
HD	149499B	IGDAD	16 34 18.9	-57 22 12	8.5	E0.00	WD	WD	17	SWP 13781	H	L	0	040 00	81 112	21 57	G	81/323	C=215,B=145
HD	149499B	IGDAD	16 34 18.9	-57 22 12	8.5	E0.00	WD	WD	17	LWR 10417	H	L	0	040 00	81 112	22 41	G	81/323	C=190,B=145
HD	149499B	IGDAD	16 34 18.9	-57 22 12	8.5	E0.00	WD	WD	17	SWP 13782	H	L	0	028 00	81 112	23 26	G	81/323	C=132,B=84
HD	149499B	IGDAD	16 34 18.9	-57 22 12	8.5	E0.00	WD	WD	17	SWP 13783	H	L	0	089 00	81 113	00 20	G	81/323	C=145,B=57
	HD149757	GH506	16 34 24.0	-10 28 00	2.6				12	SWP 15207	H	L	0	000 23	81 281	15 23	V	/	501
	HD149757	GH506	16 34 24.0	-10 28 00	2.6				12	LWR 11728	H	L	0	000 14	81 281	15 38	V	/	501 MICROPHONICS
	HD149757	GH506	16 34 24.0	-10 28 00	2.6				12	SWP 15228	H	L	0	000 23	81 283	16 49	V	/	501

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	H 149757	UK320	16	34	24.0	-10	28	00	2.7			23	SWP 13719	H	L	0	000	23	81	105	06	46	V	/		600
	H 149757	UK332	16	34	24.0	-10	28	00	2.6			13	SWP 13817	H	L	0	000	23	81	117	09	32	V	/		501
	H 149757	UK332	16	34	24.0	-10	28	00	2.6			13	LWR 10456	H	L	0	000	25	81	117	09	36	V	/		702
	H 149757	UK332	16	34	24.0	-10	28	00	2.6			13	SWP 13839	H	L	0	000	23	81	119	09	38	V	/		501
	HD149757	UK473	16	34	24.0	-10	38	00	09.5			26	SWP 15137	H	L	0	000	23	81	273	17	46	V	/		501
	HD149757	UK480	16	34	24.0	-10	28	00	2.6			26	SWP 14764	H	L	0	000	23	81	226	21	01	V	/		551
	HD149757	UK480	16	34	24.0	-10	28	00	02.6			14	SWP 15047	H	L	0	000	23	81	262	21	15	V	/		501
	HD149757	VD538	16	34	24.0	-10	28	00	00.3			12	SWP 15009	H	L	0	000	23	81	259	16	38	V	/		501
HD	149757	BEDGP	16	34	24.1	-10	28	03				14	LWR 11034	H	L	0	000	11	81	190	12	22	G	82/035		C=190,B=32
HD	149757	BEDGP	16	34	24.1	-10	28	03	2.6	EO.30	09 V	14	SWP 14428	H	L	0	000	23	81	190	12	28	G	82/035		C=220,B=38
HD	149757	PHCAL	16	34	24.1	-10	28	03	2.5	EO.32	09 V	12	LWR 11290	H	L	0	000	17	81	223	16	28	G	82/066		C=280,B=30
HD	149757	PHCAL	16	34	24.1	-10	28	03	2.5	EO.32	09 V	12	LWR 11291	H	L	0	000	17	81	223	16	59	G	82/066		C=280,B=40
HD	149757	PHCAL	16	34	24.1	-10	28	03	2.5	EO.32	09 V	12	LWR 11292	H	L	0	000	17	81	223	17	33	G	82/066		C=270,B=35
	72 A	DG567	16	36	18.0	-48	42	00	11.0			21	SWP 13777	L	L	0	045	00	81	112	06	47	V	/		501
	72 A	DG567	16	36	18.0	-48	42	00	11.0			21	LWR 10413	L	L	0	030	00	81	112	07	36	V	/		501
	H 150041	DG567	16	36	59.0	-48	39	00	7.1			23	SWP 13776	H	L	0	022	00	81	112	05	12	V	/		501
	H 150041	DG567	16	36	59.0	-48	39	00	7.1			23	LWR 10412	H	L	0	025	00	81	112	06	02	V	/		701
	H 150135	DG567	16	37	34.0	-48	40	00	6.9			12	SWP 13775	H	S	0	050	00	81	112	03	25	V	/		202
	H 150135	DG567	16	37	34.0	-48	40	00	6.9			12	LWR 10411	H	S	0	040	00	81	112	04	20	V	/		002
	H 150136	DG567	16	37	35.0	-48	40	00	5.6			11	SWP 13778	H	L	0	007	00	81	112	08	29	V	/		501
	H 150136	DG567	16	37	35.0	-48	40	00	5.6			11	LWR 10414	H	L	0	006	00	81	112	09	01	V	/		501
HD	150708	RSDCB	16	38	22.0	+60	47	50	8.2		G2 IV	39	LWR 10302	H	L	0	070	00	81	097	18	14	G	81/308		E=91,C=115,B=56
HD	150708	RSDCB	16	38	22.0	+60	47	50	8.2		G2 IV	39	LWR 10316	L	L	0	008	00	81	099	00	45	G	81/308		E=140,C=135,B=26
	H 150484	UK313	16	38	48.0	00	36	00	8.8			53	LWR 10439	L	L	0	010	00	81	115	09	39	V	/		501
	HD150484	UK402	16	38	48.0	+00	36	00	08.4			44	SWP 15060	L	L	0	180	00	81	263	16	20	V	/		332
HD	150997	CCDRS	16	41	11.0	+39	00	59	3.5		G7 IV	44	LWR 11787	L	L	0	015	00	81	289	10	16	G	82/131		C=4-5X,B=39
HD	150997	CCDRS	16	41	11.0	+39	00	59	3.5		G7 IV	44	LWR 11787	L	S	0	005	00	81	289	10	51	G	82/131		C=3X,B=39
	3 C 345	QSDAG	16	41	17.6	+39	54	10	15.5		QSO	85	LWR 10284	L	L	0	120	00	81	094	15	52	G	81/301		C=100,B=43
Q	1641+399	QSDAG	16	41	17.6	+39	54	10	15.5		Q5	85	SWP 13680	L	L	0	170	00	81	098	15	08	G	81/308		C=75,B=45
NGC	6210	NDDHH	16	42	23.0	+23	53	29	0.1			71	SWP 14650	L	L	0	035	00	81	216	14	17	G	82/062		E=1X,C=194,B=152
NGC	6210	NDDHH	16	42	23.0	+23	53	29	0.1			71	LWR 11241	L	L	0	025	00	81	216	15	00	G	82/062		C=175,B=88
NGC	6210	NDDHH	16	42	23.0	+23	53	29	0.1			71	SWP 14651	L	L	0	035	00	81	216	15	29	G	82/062		E=3-5X,C=1.1X,B=195
HD	150798	MLDLH	16	43	21.1	-68	56	20	1.9		K4 II	47	SWP 15494	H	L	0	000	00	81	317	08	26	G	82/165		E2X,C1.5X,C200,M1135
HD	150798	MLDLH	16	43	21.1	-68	56	20	1.9		K4 II	47	LWR 11972	H	L	0	010	00	81	318	03	34	G	82/165		E=1.5X,C=95,B=26
	H 151346	UK410	16	44	45.0	-23	53	00	7.9			22	LWR 10532	L	L	0	005	00	81	126	02	13	V	/		701
	H 151346	UK410	16	44	45.0	-23	53	00	7.9			22	LWR 10532	L	S	0	004	00	81	126	02	21	V	/		501
	H 151346	UK410	16	44	45.0	-23	53	00	7.9			22	SWP 13903	L	L	0	006	00	81	126	02	28	V	/		501
	GD 358	GV555	16	45	25.0	+32	34	00	13.6			29	SWP 14015	L	L	0	034	00	81	141	06	35	V	/		501
	GD 358	GV555	16	45	25.0	+32	34	00	13.6			29	LWR 10668	L	L	0	034	00	81	141	07	13	V	/		501
	V1121OPH	UK417	16	46	26.0	-14	18	00	11.5			58	SWP 14958	L	L	0	085	00	81	254	22	01	V	/		221

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	V1121OPH	UK417	16	46	26.0	-14	18	00	11.5				58	LWR 11517	L	L	0	015	00	81	254	23	30	V	/		232 MICROPHONICS
HD	151676	MLDGM	16	46	36.0	-15	34	55	6.1	EO.0	A5	V	31	LWR 11441	H	L	0	020	00	81	242	12	04	G	82/090		C=140,B=40
HD	151676	MLDGM	16	46	36.0	-15	34	55	6.1	EO.0	A5	V	31	SWP 14863	H	L	0	050	00	81	242	12	38	G	82/090		C=200,B=95
HD	151676	MLDGM	16	46	36.0	-15	34	55	6.1	EO.0	A5	V	31	LWR 11442	H	L	0	035	00	81	242	13	32	G	82/090		C=250,B=70
HD	151680	CCDRS	16	46	55.0	-34	12	15	2.3		K2	III	47	LWR 11347	H	L	0	015	00	81	228	13	25	G	82/076		E=187,C=173,B=40
	G226-29	FBDJL	16	47	38.0	+59	08	42	12.2		B7	WD	37	LWR 11263	L	L	0	025	00	81	219	13	29	G	82/066		C=225,B=58
	G226-29	FBDJL	16	47	38.0	+59	08	42	12.2		B7	WD	37	SWP 14682	L	L	0	030	00	81	219	14	03	G	82/066		C=218,B=116
	G 226-29	GV555	16	47	38.0	+59	09	00	12.3				37	SWP 14014	L	L	0	015	00	81	141	04	50	V	/		301
	G 226-29	GV555	16	47	38.0	+59	09	00	12.3				37	LWR 10667	L	L	0	028	00	81	141	05	28	V	/		501
	HD152003	UK437	16	49	17.0	-41	42	CO	07.0				23	SWP 15002	H	L	0	090	00	81	258	17	17	V	/		501
	HD152003	UK437	16	49	17.0	-41	42	00	07.0				23	LWR 11559	H	L	0	030	00	81	258	18	52	V	/		502
	HD152003	UK437	16	49	17.0	-41	42	00	07.0				23	SWP 15003	H	L	0	140	00	81	258	19	26	V	/		701
	H 152236	PHCAL	16	50	28.0	-42	17	00	4.7				13	LWR 10365	H	L	0	005	40	81	106	09	16	V	/		502
HD	152270	WRDJH	16	50	48.8	-41	44	21	6.9	EO.01	WC	WD	10	SWP 15129	H	L	0	025	00	81	273	08	44	G	82/117		E=2X,C=220,B=40
HD	152408	HSDTS	16	51	28.7	-41	04	15	05.7	EO.1	O8		15	SWP 14936	H	S	0	014	00	81	252	08	19	G	82/101		C=190,B=32
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	SWP 14535	L	L	0	000	07	81	202	18	49	G	82/049		C=180,B=25
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	LWR 11110	L	L	0	000	05	81	202	18	56	G	82/160		C=225,B=25
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	SWP 14535	L	S	0	000	23	81	202	19	01	G	82/049		C=1.5X,B=25
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	LWR 11110	L	S	0	000	29	81	202	19	05	G	82/160		C=3X,B=25
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	SWP 14536	L	L	0	000	30	81	202	19	32	G	82/049		E=223,C=220,B=30,TRL
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	LWR 11182	L	L	0	000	21	81	210	15	44	G	82/054		C=245,B=40,TRLD
HD	152408	DBDAW	16	51	29.0	-41	04	18	5.8	EO.50	O7		12	LWR 11182	L	S	0	000	30	81	210	15	52	G	82/054		C=2.5X,B=40
	HD152408	RS564	16	51	29.0	-41	04	00	05.8				12	SWP 14804	H	L	0	003	45	81	236	19	23	V	/		340
	HD152408	RS564	16	51	29.0	-41	04	00	05.8				12	LWR 11410	H	L	0	002	20	81	236	19	30	V	/		401 MICROPHONICS
	HD152408	UK410	16	51	29.0	-41	04	00	5.8				13	LWR 11736	H	L	0	005	00	81	282	20	19	V	/		501 MN=599
	HD152408	UK410	16	51	29.0	-41	04	00	5.8				13	SWP 15219	H	L	0	015	00	81	282	20	29	V	/		701
	HD152408	UK410	16	51	29.0	-41	04	00	5.8				13	LWR 11737	L	L	0	000	11	81	282	21	30	V	/		701 MN=393
	HD152408	UK410	16	51	29.0	-41	04	00	5.8				13	LWR 11737	L	S	0	000	09	81	282	21	34	V	/		701 MN=393
	HD152408	UK410	16	51	29.0	-41	04	00	5.8				13	SWP 15220	L	L	0	000	08	81	282	21	39	V	/		501
	HD152424	UK437	16	51	32.0	-42	01	00	07.2				13	SWP 15021	H	L	0	060	00	81	260	17	06	V	/		551
	HD152424	UK437	16	51	32.0	-42	01	00	07.2				13	LWR 11574	H	L	0	015	00	81	260	18	11	V	/		402
	WOLF 630	CCDHJ	16	52	46.8	-08	15	09	9.0		M4	V	48	SWP 14234	L	L	0	064	00	81	161	20	46	G	82/007		E=39,B=24
	WOLF 630	CCDHJ	16	52	46.8	-08	15	09	9.0		M4	V	48	SWP 14242	L	L	0	083	00	81	163	20	02	G	82/014		E=122,C=45,B=23
	WOLF 630	CCDHJ	16	52	46.8	-08	15	09	9.01	EO.00	M4	V	48	LWR 10839	L	L	0	016	00	81	163	21	33	G	82/014		E=200,C=55,B=28
HD	153345	MLDGM	16	55	08.9	+52	46	31	7.1	EO.01	A0	V	30	SWP 14855	H	L	0	045	00	81	241	15	16	G	82/090		C=180,B=63
HD	153345	MLDGM	16	55	08.9	+52	46	31	7.1	EO.01	A0	V	30	LWR 11437	H	L	0	030	00	81	241	16	08	G	82/090		C=180,B=33
	HZ HER	HR579	16	56	02.0	+35	25	00	14.0				59	SWP 15070	L	L	0	031	00	81	264	17	45	V	/		111
	HZ HER	HR579	16	56	02.0	+35	25	00	14.0				59	LWR 11599	L	L	0	176	00	81	264	18	23	V	/		305
	HZ HER	HR579	16	56	02.0	+35	25	00	14.0				59	SWP 15071	L	L	0	072	00	81	264	21	22	V	/		301
	HZ HER	HR579	16	56	02.0	+35	25	00	14.0				59	SWP 15071	L	S	0	040	00	81	264	22	38	V	/		301

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HZ HER	UK473	16 56 02.0	+35 25 00	13.5			59	LWR 11636	L	L	0	030 00	81 271	20 44	V	/	302 MICROPHONICS
HZ HER	UK473	16 56 02.0	+35 25 00	13.5			59	SWP 15120	L	L	0	045 00	81 271	21 21	V	/	202
HZ HER	UK475	16 56 02.0	+35 25 00	13.2			30	SWP 14264	L	L	0	040 00	81 166	22 41	V	/	441
HZ HER	UK475	16 56 02.0	+35 25 00	13.2			30	SWP 14265	H	L	0	352 00	81 166	23 55	V	/	232
HZ HER	UK475	16 56 02.0	+35 25 00	13.0			59	SWP 15251	L	L	0	040 00	81 286	16 56	V	/	301
HD154090	HL593	17 01 32.0	-34 03 00	04.9			23	SWP 14828	H	S	0	032 00	81 238	23 57	V	/	501
HD 154905	XSDRS	17 04 17.4	+54 32 08	5.8		F6 V	41	LWR 10993	H	L	0	020 00	81 183	16 06	G	82/033	E=130,C=250,B=48
HD 154905	XSDRS	17 04 17.4	+54 32 08	5.8		F6 V	41	SWP 14384	L	L	0	055 00	81 183	16 42	G	82/033	C=2-3X,B=92
HD 155638	XSDRS	17 09 06.7	+49 01 35	8.5		K0 IV	46	SWP 14352	L	L	0	120 00	81 179	16 58	G	82/026	C=165,B=115
HD 155638	XSDRS	17 09 06.7	+49 01 35	8.5		K0 IV	46	SWP 14358	L	L	0	277 00	81 180	17 13	G	82/031	E=108,C=200,B=88
HD 155638	XSDRS	17 09 06.7	+49 01 35	8.5		K0 IV	46	LWR 10990	L	L	0	030 00	81 183	08 46	G	82/033	C=1.5-2X,B=27
HD 155638	XSDRS	17 09 06.7	+49 01 35	8.5		K0 IV	46	LWR 10995	L	L	0	015 00	81 183	19 26	G	82/033	C=208,B=26
HD155937	UK402	17 11 43.0	+16 24 00	08.5			41	LWR 11607	L	L	0	040 00	81 265	22 01	V	/	764 MICROPHONICS
HD155937	UK402	17 11 43.0	+16 24 00	08.5			41	LWR 11607	L	S	0	020 00	81 265	22 45	V	/	550 MICROPHONICS
HD 156074	CBDDL	17 11 56.6	+42 09 50	7.6		R0 III	50	SWP 15087	L	L	0	480 00	81 266	23 45	G	82/112	C=120,B=80
HD 156074	CBDDL	17 11 56.6	+42 09 50	7.6		R0 III	50	LWR 11617	L	L	0	045 00	81 268	00 10	G	82/112	E=200,C=1.5X,B=27
HD 155555	RSDCB	17 12 18.0	-66 53 40	6.7		G5 IV	39	SWP 15018	L	L	0	100 00	81 260	08 09	G	82/103	E=255,C=80,B=47
HD 155555	RSDCB	17 12 18.0	-66 53 40	6.7		G5 IV	39	LWR 11570	H	L	0	050 00	81 260	09 53	G	82/102	E=143,C=105,B=35
HD 156283	MGDDM	17 13 18.9	+36 50 59	3.15		K3 II	47	LWR 10441	H	L	0	020 00	81 115	18 07	G	81/326	E=244,B=100
HD 156247	MLDGM	17 13 59.0	+01 15 33	5.9	E0.22	B5 V	21	SWP 14854	H	L	0	008 00	81 241	13 59	G	82/090	C=155,B=36
HD 156247	MLDGM	17 13 59.0	+01 15 33	5.9	E0.22	B5 V	21	LWR 11436	H	L	0	008 00	81 241	14 13	G	82/090	C=245,B=35
HD 156247	MLDGM	17 13 59.0	+01 15 33	5.9	E0.22	B5 V	21	SWP 14864	H	L	0	011 00	81 242	14 21	G	82/090	C=210,B=58
HD 156385	WRDJH	17 15 49.0	-45 35 20	7.4	E-.12	WC WD	10	SWP 15130	H	L	0	015 00	81 273	09 40	G	82/117	E=1X,C=200,B=44
HD 157999	CCDRS	17 24 02.0	+04 11 30	4.3		K3 II	47	LWR 11348	H	L	0	060 00	81 228	14 16	G	82/076	E=241,C=155,B=98
ABELL 41	CVDHB	17 26 10.3	-15 10 45	16.0		SD	70	SWP 14711	L	L	0	060 00	81 222	14 19	G	82/067	C=215,B=178
ABELL 41	CVDHB	17 26 10.3	-15 10 45	16.0		SD	70	LWR 11284	L	L	0	032 00	81 222	15 23	G	82/067	C=117,B=58
Q 1727+502	BLDAG	17 27 04.3	+50 15 30	16.3			87	LWR 10301	L	L	0	180 00	81 097	11 31	G	81/308	C=80,B=43
Q 1727+502	BLDAG	17 27 04.3	+50 15 30	16.4		BL	87	SWP 13676	L	L	0	200 00	81 097	14 34	G	81/308	C=75,B=43
HD 159181	CCDRS	17 29 18.0	+52 21 00	2.0		G2 II	45	LWR 11343	H	L	0	135 00	81 228	02 50	G	82/076	E=15X,C=10X,B=100
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	LWR 11806	H	L	0	008 00	81 292	06 27	G	82/136	E=179,C=170,B=27
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	SWP 15292	L	L	0	030 00	81 292	06 39	G	82/136	E=2.5X,C=2.5,B=25
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	SWP 15292	L	S	0	006 00	81 292	07 15	G	82/136	E=56,C=64,B=25
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	LWR 11807	H	L	0	008 00	81 292	07 28	G	82/136	E=174,C=175,B=25
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	SWP 15293	H	L	0		81 292	07 55	G	82/136	1273 MIN EXP, E=255,
HD 159181	CSDRS	17 29 18.0	+52 20 15	2.0		G2 II	45	LWR 11808	H	L	0	008 00	81 293	05 23	G	82/136	E=166,C=165,B=30
HD 159181	MGDDM	17 29 18.0	+52 21 00	2.8		G2 II	46	LWR 10655	H	L	0	010 00	81 139	20 47	G	81/361	E=255,C=250,B=52
HD159181	UK482	17 29 18.0	+52 20 00	2.8			47	SWP 15293	H	L	0	000 00	81 292	07 55	V	/	239 ST/END GSFC 1273
V442 OPH	CVDHB	17 29 22.2	-16 13 14	12.6			63	SWP 14710	L	L	0	055 00	81 222	12 38	G	82/067	E=149,C=170,B=112
V442 OPH	CVDPS	17 29 22.2	-16 13 14	13.5			63	LWR 11794	L	L	0	035 00	81 290	03 51	G	82/136	C=114,B=33
V442 OPH	CVDHB	17 29 22.3	-16 13 14	12.6			63	LWR 11283	L	L	0	050 00	81 222	11 42	G	82/067	C=140,B=58

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	V442	OPH CVDHB	17	29	22.3	-16	13	14	12.6				63	SWP 14731	L	L	0	110	00	81	224	03	39	G	82/067		C=114,B=110,E=40
	V442	OPH CVDHB	17	29	22.3	-16	13	14	12.6				63	LWR 11298	L	L	0	100	00	81	224	05	50	G	82/067		C=163,B=40
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	SWP 15257	L	L	0	060	00	81	286	22	55	G	82/131		E=104,C=96,B=50
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	SWP 15258	L	L	0	060	00	81	287	00	56	G	82/131		E=100,C=94,B=36
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	LWR 11772	L	L	0	050	00	81	287	02	02	G	82/131		E=164,C=135,B=38
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	SWP 15259	L	L	0	060	00	81	287	02	57	G	82/131		E=107,C=83,B=42
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	LWR 11773	L	L	0	050	00	81	287	04	04	G	82/131		C=145,B=34
	V442	OPH CVDPS	17	29	22.7	-16	13	26	13.5				63	LWR 11771	L	L	0	050	00	81	287	23	59	G	82/131		E=160,C=153,B=33
HD	159441	CBDJE	17	33	50.7	-56	47	29	7.5		A3	V	30	LWR 10460	L	L	0	002	00	81	118	20	00	G	81/330		C=1.5X,B=23
HD	159441	CBDJE	17	33	50.7	-56	47	29	7.5		A3	V	30	SWP 13830	L	L	0	010	00	81	118	20	08	G	81/330		C=210,B=30
HD	159441	CBDJE	17	33	50.7	-56	47	29	7.5		A3	V	30	LWR 10461	L	L	0	001	19	81	118	20	44	G	81/328		C=200,B=25
HD	159441	CBDJE	17	33	50.7	-56	47	29	7.0		A3	V	30	SWP 13851	L	L	0	050	00	81	120	16	22	G	81/333		E=127,C=2-3X,B=90
	LSS4300	HSDJD	17	34	37.4	-35	21	11	9.8		B5	IA	27	LWR 11395	L	L	0	035	00	81	233	13	40	G	82/081		C=220,B=50
	LSS4300	HSDJD	17	34	37.4	-35	21	11	9.8		B5	IA	27	SWP 14802	L	L	0	172	00	81	236	14	54	G	82/084		C=120,B=33
HD	160346	CCCDR	17	36	47.9	+03	34	59					46	SWP 15323	L	L	0	410	00	81	297	22	35	G	82/138		E=109,B=70
HD	160346	CCDRN	17	36	47.9	+03	34	59	6.5		K3	V	46	SWP 15232	L	L	0	200	00	81	284	02	28	G	82/129		E=85,C=70,B=56
HD	160346	CCDRN	17	36	47.9	+03	34	59	6.5		K3	V	46	SWP 15290	L	L	0	205	00	81	291	23	05	G	82/136		E=245,C=70,B=44
HD	160346	CCDRN	17	36	47.9	+03	34	59					46	LWR 11833	L	L	0	015	00	81	298	05	29	G	82/138		C=1.5X,B=25
	ROB 162	VC549	17	36	48.0	-53	39	00	13.0				16	LWR 11831	L	L	0	020	00	81	297	20	38	V	/		402 4-MIN HTR W-UP
	ROB 162	VC549	17	36	48.0	-53	39	00	13.0				16	SWP 15322	L	L	0	025	00	81	297	21	01	V	/		501
	ROB 162	VC549	17	36	48.0	-53	39	00	13.0				16	LWR 11832	L	L	0	014	00	81	297	21	34	V	/		402 MN=254
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	SWP 14344	L	L	0	090	00	81	178	14	28	G	82/033		E=2-3X,C=5X,B=107
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	LWR 10958	H	L	0	030	00	81	178	16	03	G	82/033		E=158,C=2-3X,B=60
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	SWP 14351	L	L	0	100	00	81	179	14	13	G	82/024		E=170,C=5X,B=85
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	LWR 10963	H	L	0	040	00	81	179	15	58	G	82/026		E=209,C=2X,B=40
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	SWP 14357	L	L	0	100	00	81	180	14	30	G	82/031		E=125,C=3-5X,B=46
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	LWR 10967	H	L	0	040	00	81	180	16	14	G	82/031		C=2-3X,B=50
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	SWP 14363	L	L	0	100	00	81	181	14	23	G	82/031		E=140,C=5-6X,B=65
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	LWR 10973	H	L	0	040	00	81	181	16	07	G	82/031		E=180,C=2-3X,B=53
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	LWR 10989	H	L	0	030	00	81	183	06	12	G	82/033		E=128,C=2X,B=40
HD	160922	XSDRS	17	37	14.5	+68	46	52	4.9		F4	V	41	SWP 14380	L	L	0	100	00	81	183	06	47	G	82/033		E=240,C=5X,B=28
	LSE0078	HSDJD	17	38	48.9	-46	54	37	11.3		B2	IA	27	SWP 14788	L	L	0	025	00	81	233	12	07	G	82/080		C=170,B=40
	LSE0078	HSDJD	17	38	48.9	-46	54	37	11.3		B2	IA	27	LWR 11394	L	L	0	008	00	81	233	12	54	G	82/081		C=180,B=30
HD	161096	MGDDM	17	41	00.0	+04	35	00	2.8		K2	III	47	LWR 11707	H	L	0	032	00	81	280	00	15	G	82/124		E=232,C=180,B=32
H	161056	JP851	17	41	06.0	-07	03	00	6.3				20	SWP 14518	H	L	0	025	00	81	200	02	11	V	/		401
H	161056	JP851	17	41	06.0	-07	03	00	6.3				20	LWR 11092	H	L	0	035	00	81	200	02	41	V	/		402
H	161056	JP851	17	41	06.0	-07	03	00	6.3				20	SWP 14519	H	L	0	030	00	81	200	03	19	V	/		401
HD	161797	CCDMG	17	44	30.0	+27	44	55	3.5		G5	IV	44	SWP 13637	L	L	0	069	00	81	091	18	41	G	81/300		E=260,C=1.5,B=75
HD	161797	CCDMG	17	44	30.0	+27	44	55	3.5		G5	IV	44	LWR 10262	L	L	0	000	10	81	091	20	02	G	81/300		C=260,B=20
	BD393266	RK511	17	44	52.0	+39	20	00	9.4				28	LWR 11789	H	L	0	084	00	81	289	14	31	V	/		504 MN=258

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD393266	RK511	17 44 52.0	+39 20 00	9.4			28 SWP	15275	H	L	0	060 00	81 289 15 59	V	/	501
H 162076	SC537	17 46 16.0	+20 35 00	5.7			45 LWR	10861	H	L	0	040 00	81 166 04 04	V	/	332
H 162076	SC537	17 46 16.0	+20 35 00	5.7			45 SWP	14263	L	L	0	059 00	81 166 04 48	V	/	210
RS OPH	CVDDL	17 47 32.0	-06 42 00	12.0		NO V	55 SWP	13954	L	L	0	240 00	81 130 08 38	G	81/340	E=129,C=132,B=82
RS OPH	CVDDL	17 47 32.0	-06 42 00	12.0		NO V	55 LWR	10566	L	L	0	240 00	81 130 13 00	G	81/340	C=225,B=65
V380 OPH	CVDHB	17 47 47.0	+06 06 17	14.5			63 SWP	14709	L	L	0	090 00	81 222 08 29	G	82/067	C=63,B=25
HD 162732	CBDMP	17 48 45.0	+48 24 00	6.4	E0.05	B8 V	60 LWR	11278	H	L	0	020 00	81 221 15 36	G	82/074	C=1.2X,B=98
HD 162732	CBDMP	17 48 45.0	+48 24 00	6.4	E0.05	B8 V	60 SWP	14701	H	L	0	020 00	81 221 16 10	G	82/074	C=220,2X,B=140
HD162732	VD538	17 48 45.0	+48 24 00	06.4			22 SWP	15012	H	L	0	025 00	81 259 19 21	V	/	501
IV-01002	HSDJD	17 48 51.0	-01 42 34	11.0		B5 IA	27 LWR	11393	L	L	0	030 00	81 233 11 04	G	82/081	C=207,B=35
IV-01002	HSDJD	17 48 51.0	-01 42 34	11.0		B5 IA	27 SWP	14796	L	L	0	135 00	81 235 15 31	G	82/080	C=145,B=53
G240 -72	UK405	17 48 51.0	+70 53 00	14.0			29 LWR	10759	L	L	0	180 00	81 152 22 41	V	/	304
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 SWP	14048	L	L	0	002 28	81 144 18 09	G	81/361	E=199,C=185,B=32,TRD
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 LWR	10695	L	L	0	001 51	81 144 18 39	G	81/361	C=190,B=32,TRAILED
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 SWP	14049	H	L	0	003 00	81 144 19 11	G	81/361	C=143,B=45
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 SWP	14069	H	L	0	006 00	81 145 18 22	G	81/361	C=210,B=43
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 LWR	10706	H	L	0	007 00	81 145 18 32	G	81/361	C=1.1X,B=45
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 LWR	10730	H	L	0	007 00	81 147 21 17	G	81/361	C=1.5X,B=40
HD 162374	BPDKR	17 48 53.3	-34 47 14	6.0	E0.08	B8	27 SWP	14091	H	L	0	006 00	81 147 21 44	G	81/361	C=200,B=40
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0	E0.08	B8	27 LWR	10696	H	L	0	003 30	81 144 19 17	G	81/361	C=200,B45
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0		B8	27 LWR	10721	L	H	0	007 00	81 146 22 15	G	81/361	C=1.5X,B=40
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0		B8	27 SWP	14084	L	H	0	006 00	81 146 22 44	G	81/361	C=205,B=37
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0		B8	27 SWP	14085	L	L	0	000 05	81 146 23 31	G	81/361	C=195,B=18
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0		B8	27 LWR	10722	L	L	0	000 05	81 146 23 34	G	81/361	C=220,B=25
HD 162374	BPDKR	17 48 53.4	-34 47 15	6.0		B8	27 LWR	10722	L	S	0	000 10	81 146 23 37	G	81/361	C=220,B=25
89 HER	RSPTD	17 53 23.9	+26 03 24	5.46	E0.17	F2 IA	40 LWR	12038	L	L	0	003 40	81 327 04 30	G	82/172	E=189,C=170,B=28,TRL
89 HER	RSPTD	17 53 23.9	+26 03 24	5.46	E0.17	F2 IA	40 SWP	15555	L	L	0	044 00	81 327 04 46	G	82/172	C=140,B=38
HD 163506	CBDEB	17 53 24.0	+26 03 24	5.5		F2 IB	40 LWR	10440	H	L	0	040 00	81 115 16 50	G	81/323	C=220,B=145
H 163472	JP851	17 53 48.0	+00 41 00	5.8			20 SWP	14514	H	L	0	020 00	81 199 21 58	V	/	801
H 163472	JP851	17 53 48.0	+00 41 00	5.8			20 LWR	11089	H	L	0	010 00	81 199 22 25	V	/	702
H 163472	JP851	17 53 48.0	+00 41 00	5.8			20 SWP	14515	H	L	0	012 00	81 199 22 59	V	/	501
H 163611	UK313	17 54 24.0	04 59 00	7.5			53 LWR	10438	H	L	0	180 00	81 115 03 11	V	/	506
H 163611	UK313	17 54 24.0	04 59 00	7.5			53 SWP	13803	L	L	0	180 00	81 115 06 18	V	/	702
HD 163770	CCDRS	17 54 32.0	+37 15 22	3.8		K3	47 LWR	11349	H	L	0	025 00	81 228 15 56	G	82/074	E=169,C=105,B=40
HD 163770	CCDRS	17 54 32.0	+37 15 22	3.8		K3	47 SWP	14772	L	L	0	080 00	81 228 16 29	G	82/074	C=82,B=44
H 163770	DR370	17 54 32.0	37 15 00	3.8			47 SWP	13642	L	L	0	150 00	81 092 07 17	V	/	452
HD 163993	MGDDM	17 55 48.9	+29 15 06	3.7		G8 III	46 LWR	11708	H	L	0	048 00	81 280 01 28	G	82/124	E=1.5X,C=1.5X,B=40
HD163993	CZ502	17 55 49.0	+29 15 00	00.0			47 SWP	14859	L	L	0	016 00	81 242 01 31	V	/	200
HD163993	CZ502	17 55 49.0	+29 15 00	03.7			47 SWP	14878	L	L	0	090 00	81 244 22 16	V	/	441
HD 163930	RSDCB	17 55 51.0	+15 08 31	7.2		F4 IV	39 LWR	10305	H	L	0	088 00	81 098 00 20	G	81/308	E=133,C=155,B=50

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	OBSERVATION DATE HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 163930	RSDCB	17 55 51.0	+15 08 31	7.2		F4 IV	39	LWR 11568	H	L	0	080 00	81 259	23 56	G	82/103	E=116,C=150,B=42
HD 163930	RSDCB	17 55 51.0	+15 08 31	7.2		F4 IV	39	SWP 15016	L	L	0	090 00	81 260	01 21	G	82/102	C=220,B=27
HD 163917	LGDTS	17 56 16.3	-09 46 09	3.3		G9 III	45	LWR 11401	H	L	0	035 00	81 234	13 00	G	82/080	E=195,C=1.5X,B=50
HD 163917	LGDTS	17 56 16.3	-09 46 09	3.3		G9 III	45	SWP 15221	L	L	0	150 00	81 282	22 40	G	82/126	E=81,C=125,B=50
HD 164284	BEDGP	17 57 47.0	+04 22 10	4.81		B5	26	SWP 14432	H	L	0	002 09	81 190	17 07	G	82/035	C=235,B=43
HD 164284	BEDGP	17 57 47.0	+04 22 10	4.81		B5	26	LWR 11038	H	L	0	001 09	81 190	17 14	G	82/035	C=215,B=32
HD164284	VD538	17 57 47.0	+04 22 00	04.8			20	SWP 15010	H	L	0	002 10	81 259	17 29	V	/	501
HD 164284	BEDGP	17 57 47.1	+04 22 11	4.8	E0.19	B2 V	26	SWP 15482	H	L	0	002 10	81 316	10 26	G	82/160	C=225,B=38
HD 164284	BEDGP	17 57 47.1	+04 22 11	4.8	E0.19	B2 V	26	LWR 11964	H	L	0	001 10	81 316	10 33	G	82/160	C=210,B=35
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	LWR 11475	H	L	0	001 20	81 248	12 27	G	82/098	E=189,C=222,B=34
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	SWP 14906	H	L	0	002 15	81 248	12 31	G	82/098	C=250,B=42
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	SWP 15030	H	L	0	002 10	81 261	11 25	G	82/105	C=235,B=40
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	LWR 11577	H	L	0	001 20	81 261	11 32	G	82/105	C=240,B=33
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	LWR 11592	H	L	0	001 20	81 263	13 48	G	82/105	C=250,B=30
HD 164284	MLDGP	17 57 47.1	+04 22 11	4.6	E0.10	B2 V	26	SWP 15057	H	L	0	002 10	81 263	13 53	G	82/105	C=240,B=40
H 164432	JP851	17 58 24.0	+06 16 00	6.4			20	SWP 14517	H	L	0	010 00	81 200	00 52	V	/	501
H 164432	JP851	17 58 24.0	+06 16 00	6.4			20	LWR 11091	H	L	0	010 00	81 200	01 27	V	/	603
HD 164536	RPSTD	17 59 34.6	-24 15 24	7.11	E0.28	09 III	12	LWR 10789	L	L	0	000 32	81 156	19 20	G	82/005	C=210,B=27,TRLD
HD 164536	RPSTD	17 59 34.6	-24 15 24	7.11	E0.28	09 III	12	SWP 14196	L	L	0	000 36	81 156	19 29	G	82/005	C=222,B=18,TRLD
HD 164536	RPSTD	17 59 34.6	-24 15 24	7.11	E0.28	09 III	12	SWP 14198	L	L	0	000 34	81 156	21 40	G	82/011	C=218,B=18,TRLD
HD164794	GH506	18 00 48.0	-24 22 00	6.0			12	SWP 15208	H	L	0	004 30	81 281	16 17	V	/	501 LINE MISSING Y=6
H 175754	RS564	18 00 48.0	-24 22 00	6.0			15	SWP 13729	H	L	0	004 30	81 106	06 04	V	/	501
HD164794	RS564	18 00 48.0	-24 22 00	06.0			12	SWP 14805	H	L	0	004 30	81 236	20 24	V	/	501
HD164794	RS564	18 00 48.0	-24 22 00	6.0			12	SWP 15298	H	L	0	004 30	81 293	16 47	V	/	501
HD164794	UK463	18 00 48.0	-24 22 00	5.9			12	SWP 15307	H	L	0	004 30	81 294	16 08	V	/	501
HD164794	UK463	18 00 48.0	-24 22 00	5.9			12	LWR 11818	H	L	0	004 00	81 294	16 15	V	/	502 4-MIN HTR W-UP
HD 164794	RPSTD	18 00 48.3	-24 21 48	5.9	E0.35	05 IB	12	SWP 14163	L	L	0	000 17	81 153	21 06	G	82/004	C=230,B=23,TRLD
HD 164794	RPSTD	18 00 48.3	-24 21 48	5.9	E0.35	05 IB	12	LWR 10768	L	L	0	000 03	81 153	21 45	G	82/004	C=205,B=26
HD 164794	RPSTD	18 00 48.3	-24 21 48	5.97	E0.35	05	12	SWP 14194	L	L	0	000 15	81 156	16 47	G	82/005	C=226,B=25,TRLD.
HD 164794	RPSTD	18 00 48.3	-24 21 48	5.97	E0.35	05	12	LWR 10787	L	L	0	000 12	81 156	16 56	G	82/005	C=203,B=25,TRLD
HD 164816	RPSTD	18 00 52.8	-24 18 55	7.07	E0.31	09 III	12	LWR 10788	L	L	0	000 28	81 156	18 04	G	82/005	C=185,B=25,TRLD
HD 164816	RPSTD	18 00 52.9	-24 18 55	7.07	E0.31	09 III	12	SWP 14195	L	L	0	000 36	81 156	18 38	G	82/005	C=220,B=20,TRLD
HD164816	UK463	18 00 53.0	-24 19 00	7.1			13	SWP 15308	H	L	0	014 00	81 294	16 52	V	/	501
HD164816	UK463	18 00 53.0	-24 19 00	7.1			13	LWR 11819	H	L	0	011 30	81 294	17 23	V	/	502 4-MIN HTR W-UP
HD164906	UK463	18 01 32.0	-24 23 00	7.5			20	SWP 15309	H	L	0	015 00	81 294	17 58	V	/	301
HD164906	UK463	18 01 32.0	-24 23 00	7.5			20	LWR 11820	H	L	0	030 00	81 294	18 40	V	/	503 4-MIN HTR W-UP
HD315021	UK463	18 01 32.0	-24 20 00	8.6			20	SWP 15310	H	L	0	130 00	81 294	19 25	V	/	602
HD 164975	DCDNE	18 01 49.4	-29 35 02	5.0		G0 IB	53	LWR 11814	L	L	0	001 00	81 294	10 15	G	82/138	C=120,B=25
HD 164975	DCDNE	18 01 49.4	-29 35 02	5.0		G0 IB	53	SWP 15303	L	L	0	029 00	81 294	10 19	G	82/138	C=165,B=20
HD165052	UK463	18 02 06.0	-24 24 00	6.9			12	SWP 15306	H	L	0	016 00	81 294	14 38	V	/	501

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	HD165052	UK463	18	02	06.0	-24	24	00	6.9			12	LWR 11817	H	L	0	012	35	81	294	14	59	V	/		502 4-M HTR W-UP MN=
HD	165052	RPSTD	18	02	06.4	-24	24	10	6.87	E0.41	07	12	LWR 10790	L	L	0	000	38	81	156	20	46	G	82/011		C=222,B=26,TRLD
HD	165052	RPSTD	18	02	06.4	-24	24	10	6.87	E0.41	07	12	SWP 14197	L		0	000	40	81	156	21	07	G	82/011		C=208,B=18,TRLD
	HD165195	FS592	18	02	11.0	+03	47	00	7.3			47	LWR 11703	L	L	0	050	00	81	279	16	21	V	/		501 MN=511
HD	313846	HSCPC	18	02	23.5	-23	00	38	10.2	E0.98	05	15	LWR 10529	L	L	0	022	00	81	125	22	21	G	81/342		C=195,B=38
HD	313846	HSCPC	18	02	23.5	-23	00	38	10.2	E0.98	05	15	SWP 13901	L	L	0	025	00	81	125	22	49	G	81/342		C=90,B=42
HD	165590	XSDRS	18	03	42.3	+21	26	26	6.9		GO V	44	SWP 14346	L	L	0	105	00	81	178	18	39	G	82/033		E=1.5X,C=200,B=92
HD	165590	XSDRS	18	03	42.3	+21	26	26	6.9		GO V	44	LWR 10964	H	L	0	030	00	81	179	19	22	G	82/026		E=74,C=95,B=32
HD	165590	XSDRS	18	03	42.3	+21	26	26	6.9		GO V	44	SWP 14353	L	L	0	110	00	81	179	19	56	G	82/026		E=243,C=175,B=45
HD	165590	XSDRS	18	03	42.3	+21	26	26	6.9		GO V	44	SWP 14381	L	L	0	120	00	81	183	09	54	G	82/033		E=128,C=180,B=45
HD	165634	CSDCS	18	04	55.0	-28	27	30	4.6		G9 III	45	LWR 11081	H	L	0	140	00	81	198	12	23	G	82/046		C=1.5X,B=59
HD	165634	CSDCS	18	04	55.0	-28	27	30	4.6		G9 III	45	SWP 14503	L	L	0	225	00	81	198	14	48	G	82/046		E=255,C=120,B=80
	H 165763	HN530	18	05	29.0	-21	16	00	10.0			10	LWR 10489	L	S	0	001	00	81	121	02	23	V	/		582
	H 165763	HN530	18	05	29.0	-21	16	00	10.0			10	LWR 10489	L	L	0	000	40	81	121	02	26	V	/		582
	H 165763	HN530	18	05	29.0	-21	16	00	10.0			10	LWR 10490	H	L	0	060	00	81	121	02	55	V	/		584
HD	166208	CBDEB	18	05	58.2	+43	27	15	5.0		KO III	47	LWR 11486	H	L	0	120	00	81	251	00	38	G	82/095		E=30%X,C=30%X,B=40
HD	166208	CBDEB	18	05	58.3	+43	27	16	5.0		KO III	47	SWP 13840	L	L	0	240	00	81	119	10	23	G	81/330		E=193,C=230,B=60
Q	1807+698	BLDDW	18	07	18.4	+69	48	56	14.7			87	SWP 14634	L	L	0	440	00	81	215	02	26	G	82/059		E=149,C=123,B=83
Q	1807+698	BLDDW	18	07	18.5	+69	48	57	14.5		B	87	SWP 13859	L	L	0	300	00	81	121	09	08	G	81/328		C=98,B=60
Q	1807+698	BLDDW	18	07	18.5	+69	48	57	14.5		B	87	LWR 10493	L	L	0	105	00	81	121	14	13	G	81/328		C=110,B=45
	LSE 234	HSDJD	18	08	21.3	-64	55	53	12.5		05	16	SWP 14799	L	L	0	002	40	81	236	10	58	G	82/084		C=150,B=15
	LSE 234	HSDJD	18	08	21.3	-64	55	52	12.5		05	16	LWR 11407	L	L	0	009	00	81	236	11	30	G	82/084		C=190,B=26
	U2 SER	UK402	18	08	33.0	-14	56	00	12.8			54	SWP 15078	L	L	0	040	00	81	265	18	41	V	/		551
	U2 SER	UK402	18	08	33.0	-14	56	00	12.8			54	LWR 11605	L	L	0	035	00	81	265	19	27	V	/		503 MICROPHONICS
HD	166734	DBDAW	18	09	38.0	-10	44	42	8.4	E1.39	09	12	SWP 14525	L	L	0	047	00	81	200	15	38	G	82/046		C=186,B=39
HD	166734	DBDAW	18	09	38.0	-10	44	42	8.4	E1.39	09	12	LWR 11096	L	L	0	016	00	81	200	16	31	G	82/046		C=2X,B=30
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	SWP 14917	L	S	0	012	00	81	249	16	37	V	/		351
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	SWP 14917	L	L	0	006	00	81	249	16	56	V	/		371
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	LWR 11481	H	L	0	145	00	81	249	17	06	V	/		335
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	SWP 14918	L	S	C	020	00	81	249	19	44	V	/		241
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	LWR 11482	L	S	C	040	00	81	249	20	25	V	/		333
	NGC 6572	MG605	18	09	41.0	+06	50	00	09.0			70	SWP 14919	H	L	0	121	00	81	249	21	43	V	/		371
NGC	6572	NDDHH	18	09	41.0	+06	50	26	0.1			71	LWR 11242	L	L	0	012	00	81	216	16	27	G	82/062		B=76
NGC	6572	NDDHH	18	09	41.0	+06	50	26	0.1			71	LWR 11242	L	S	0	012	00	81	216	16	45	G	82/062		B=76
NGC	6572	NDDHH	18	09	41.0	+06	50	26	0.1			71	SWP 14652	L	S	0	020	00	81	216	17	07	G	82/062		E=1.5X,C=105,B=78
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	E0.30	B8 II	39	SWP 14592	L	L	0	000	05	81	211	14	41	G	82/056		C=205,B=17
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	E0.30	B8 II	39	LWR 11190	L	L	0	000	01	81	211	14	45	G	82/054		C=200,B=26
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	E0.30	B8 II	39	SWP 14593	H	L	0	008	29	81	211	15	18	G	82/056		C=1.5-2X,B=132
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	E0.30	B8 II	39	SWP 14693	H	L	0	005	29	81	220	14	34	G	82/066		C=230,B=60
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	E0.30	B8 II	39	LWR 11271	H	L	0	002	00	81	220	14	43	G	82/066		E=158,C=220,B=36

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	EO.30	B8	II	39	SWP 14699	L	L	0	000	06	81	221	11	55	G	82/074	C=229,B=20
HD	166937	CBDMP	18	10	46.0	-21	04	00	3.7	EO.30	B8	II	39	LWR 11275	L	L	0	000	01	81	221	11	59	G	82/074	C=205,B=25
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	SWP 14533	L	L	0	002	53	81	202	15	24	G	82/046	C=225,B=27
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	SWP 14533	L	S	0	008	39	81	202	15	32	G	82/046	C=2X,B=27
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	LWR 11108	L	L	0	000	51	81	202	15	47	G	82/046	C=1.5X,B=27
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	LWR 11108	L	S	0	004	19	81	202	15	51	G	82/046	C=3X,B=27
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	SWP 14534	L	L	0	010	40	81	202	16	48	G	82/049	C=30%X,B=43,TRLD
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	SWP 14534	L	S	0	008	40	81	202	17	21	G	82/049	C=2X,B=43,TRLD
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	LWR 11109	L	L	0	002	30	81	202	17	35	G	82/166	C=235,B=30,TRLD
HD	167838	DBDAW	18	14	46.0	-15	27	00	6.7	EO.56	B5	IA	24	LWR 11109	L	S	0	003	27	81	202	17	49	G	82/166	C=2.5X,B=30,TRLD
	AR PAV	CVDDL	18	15	24.2	-66	06	04	10.2		M3	III	57	SWP 13956	L	L	0	050	00	81	130	20	50	G	81/356	E=2.5X,C=120,B=30
	AR PAV	CVDDL	18	15	24.2	-66	06	04	10.2		M3	III	57	SWP 13956	L	S	0	010	00	81	130	21	46	G	81/356	E=2.5X,C=120,B=30
	AR PAV	CVDDL	18	15	24.2	-66	06	04	10.2		M3	III	57	LWR 10570	L	L	0	040	00	81	130	22	01	G	81/356	E=1.5X,C=215,B=30
HD	168206	CBDJE	18	16	18.8	-11	39	16	0.9		OB		10	SWP 13831	L	L	0	010	00	81	118	22	00	G	81/328	E=119,C=105,B=30
HD	168206	WRDJE	18	16	19.7	-11	39	15	9		OB		10	SWP 13850	L	L	0	015	00	81	120	15	18	G	81/333	E=194,C=145,B=32
HD	168206	WRDJE	18	16	19.7	-11	39	15	9				10	LWR 10482	L	L	0	008	00	81	120	15	41	G	81/333	C=230,B=27
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	SWP 15369	L	L	0	020	00	81	307	09	48	G	82/151	E=187,C=163,B=36
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	LWR 11897	L	L	0	010	00	81	307	10	22	G	82/151	C=1.5X,B=33
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	SWP 15370	L	L	0	020	00	81	307	10	51	G	82/151	E=180,C=175,B=32
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	LWR 11898	L	L	0	020	00	81	307	11	22	G	82/151	C=2.5X,B=32
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	SWP 15382	L	L	0	020	00	81	308	07	50	G	82/154	E=182,C=167,B=24
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	LWR 11912	L	L	0	008	00	81	308	09	07	G	82/151	C=255,B=24
HD	168206	WRDJE	18	16	19.7	-11	39	15	9.3		WC		10	SWP 15383	L	L	0	020	00	81	308	09	37	G	82/151	E=202,C=176,B=32
HD	168206	CBDJE	18	16	19.8	-11	39	16	0.9		OB		10	LWR 10462	L	L	0	005	00	81	118	21	49	G	81/328	C=160,B=27
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15348	L	L	0	015	00	81	303	23	48	G	82/150	E=169,C=140,B=27
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11866	L	L	0	008	00	81	304	00	20	G	82/150	C=1.5X,B=26
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15362	L	L	0	015	00	81	306	06	25	G	82/151	E=147,C=120,B=30
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11884	L	L	0	008	00	81	306	06	53	G	82/151	E=231,C=200,B=25
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15363	L	L	0	015	00	81	306	07	20	G	82/151	E=140,C=130,B=25
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15395	L	L	0	020	00	81	309	01	00	G	82/154	E=176,C=140,B=23
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11919	L	L	0	008	00	81	309	01	26	G	82/154	C=215,B=25
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15409	L	L	0	020	00	81	309	09	33	G	82/154	E=190,C=162,B=26
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11920	L	L	0	008	00	81	309	09	57	G	82/159	C=3X,B=26
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15410	L	S	0	060	00	81	309	10	25	G	82/159	E=250,C=222,B=50
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11921	L	L	0	008	00	81	309	11	30	G	82/159	C=4X,B=25
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15417	L	L	0	020	00	81	310	05	49	G	82/159	E=171,C=152,B=22
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11927	L	L	0	008	00	81	310	06	22	G	82/159	C=239,B=24
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15418	L	L	0	020	00	81	310	06	50	G	82/154	E=161,C=156,B=22
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15439	L	L	0	020	00	81	311	05	45	G	82/158	E=171,C=153,B=22
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	LWR 11932	L	L	0	008	00	81	311	06	10	G	82/158	C=230,B=25

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	168206	WRDJE	18	16	19.8	-11	39	16	9.1		BO	V	10	SWP 15440	L	L	0	020	00	81	311	06	39	G	82/	154	E=182,C=158,B=22
H	168206	UK458	18	16	20.0	-11	39	00	9.4				10	SWP 13964	L	L	0	010	00	81	133	01	16	V	/		330
H	168206	UK458	18	16	20.0	-11	39	00	9.4				10	LWR 10593	L	L	0	010	00	81	133	01	29	V	/		552
H	168206	UK458	18	16	20.0	-11	39	00	9.4				10	SWP 13965	L	L	0	025	00	81	133	01	58	V	/		551
HD	168206	UK473	18	16	20.0	-11	39	00	09.4				59	SWP 15136	L	L	0	020	00	81	273	16	36	V	/		551
HD	168206	UK473	18	16	20.0	-11	39	00	09.4				59	LWR 11645	L	L	0	012	00	81	273	17	00	V	/		701 MICROPHONICS
H	168206	UK480	18	16	20.0	-11	39	00	9.4				11	SWP 14557	L	L	0	020	00	81	207	02	06	V	/		451
HD	168206	UK480	18	16	20.0	-11	39	00	9.4				11	SWP 14717	L	L	0	020	00	81	222	23	48	V	/		450
HD	168206	UK480	18	16	20.0	-11	39	00	09.4				10	SWP 15046	L	L	0	020	00	81	262	20	07	V	/		551
HD	168206	UK480	18	16	20.0	-11	39	00	09.4				10	LWR 11589	L	L	0	025	00	81	262	20	31	V	/		763 4 MIN H+R WARM U
HD	168723	MGDDM	18	18	43.0	-02	54	00	3.3		KO	IV	46	LWR 11706	H	L	0	037	00	81	279	23	02	G	82/	124	E=249,C=1.5X,B=37
HD	168476	HSDJD	18	18	59.7	-56	39	14	9.30		B8		27	LWR 11398	L	L	0	008	00	81	233	17	35	G	82/	080	C=2-3X,B=25
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	LWR 10977	L	L	0	000	08	81	182	02	21	V	/		702
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	LWR 10977	L	S	0	000	09	81	182	02	30	V	/		602
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	SWP 14366	L	L	0	001	10	81	182	02	33	V	/		500
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	SWP 14366	L	S	0	001	37	81	182	02	37	V	/		400
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	SWP 14367	H	L	0	046	00	81	182	03	17	V	/		601
H	170153	STAND	18	21	57.0	72	43	00	3.5				41	LWR 10978	H	L	0	005	30	81	182	04	09	V	/		602
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	LWR 11211	L	L	0	005	00	81	214	02	41	G	82/	056	C=2X,B=30
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	LWR 11211	L	S	0	005	00	81	214	02	52	G	82/	056	C=105,B=30
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	SWP 14621	L	L	0	020	00	81	214	03	01	G	82/	056	C=150,B=21
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	LWR 11276	L	L	0	003	00	81	221	13	05	G	82/	076	C=146,B=30
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	SWP 14700	L	L	0	025	00	81	221	13	14	G	82/	076	C=190,B=114
HD	169753	CBDMP	18	23	49.0	-09	14	00	7.7	E0.90	B4	III	30	LWR 11277	L	L	0	010	00	81	221	13	46	G	82/	076	C=2X,B=40
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	SWP 14528	L	L	0	000	18	81	201	16	05	G	82/	046	C=180,B=25
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	LWR 11102	L	L	0	000	07	81	201	16	10	G	82/	046	C=235,B=30
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	LWR 11102	L	S	0	000	54	81	201	16	16	G	82/	046	C=3.5X,B=30
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	SWP 14528	L	S	0	000	53	81	201	16	20	G	82/	046	C=36,B=25
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	SWP 14529	L	L	0	000	67	81	201	17	15	G	82/	046	C=200,B=30,TRD
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	SWP 14529	L	S	0	000	54	81	201	17	24	G	82/	046	C-1.5X,B=30,TRD
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	LWR 11103	L	L	0	000	31	81	201	17	30	G	82/	046	C=210,B=25,TRD
HD	170740	NRDAW	18	28	38.9	-10	49	54	5.72	E0.51	B3		24	LWR 11103	L	S	0	000	42	81	201	17	37	G	82/	046	C=2X,B=25,TRD
HD	234677	RSDJL	18	32	44.9	+51	40	59	8.4		DK	SD	46	LWR 11656	H	L	0	005	00	81	275	06	33	G	82/	115	B=26
HD	234677	RSDJL	18	32	44.9	+51	40	59	8.4		K6	V	46	LWR 11657	L	L	0	005	00	81	275	07	21	G	82/	118	E=123,C=64,B=23
HD	234677	RSDJL	18	32	44.9	+51	40	59	8.4		K6	V	46	SWP 15152	L	L	0	090	00	81	275	07	36	G	82/	118	E=72,C=100,B=50
HD	234677	RSDJL	18	32	44.9	+51	40	59	8.4		K6	V	46	LWR 11658	L	L	0	005	00	81	275	08	10	G	82/	118	E=132,C=60,B=27
HD	234677	RSDJL	18	32	44.9	+51	40	59	8.4		K6	V	46	LWR 11659	L	L	0	005	00	81	275	08	53	G	82/	117	E=137,C=65,B=26
HD	234677	MR531	18	32	45.0	+51	41	00	8.2				46	LWR 11663	L	L	0	005	00	81	275	17	16	V	/		342 4-MIN HTR W-UP
HD	234677	MR531	18	32	45.0	+51	41	00	8.2				46	SWP 15156	L	L	0	060	00	81	275	17	37	V	/		151
HD	234677	MR531	18	32	45.0	+51	41	00	8.2				46	LWR 11664	L	L	0	005	00	81	275	18	40	V	/		343 4-MIN HTR W-UP

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	HD234677	MR531	18	32	45.0	+51	41	00	8.2				46	SWP 15157	L	L	O	060	00	81	275	19	07	V	/		221
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	SWP 15162	H	L	O	060	00	81	276	07	33	G	82/124		E=80,B=39
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	LWR 11669	L	L	O	005	00	81	276	08	40	G	82/124		E=148,C=63,B=30
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		DK	SD	46	LWR 11677	L	L	O	005	00	81	277	03	08	G	82/118		E=108,C=60,B=26
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		DK	SD	46	SWP 15169	L	L	O	120	00	81	277	03	19	G	82/124		E=59,B=31
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		DK	SD	46	LWR 11678	L	L	O	005	00	81	277	04	23	G	82/124		E=141,C=60,B=26
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4	E1.44	K6	V	46	LWR 11681	L	L	O	005	00	81	277	11	15	G	82/118		E=165,C=65,B=30
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4	E1.44	K6	V	46	SWP 15172	L	L	O	060	00	81	277	11	26	G	82/118		E=189,B=102
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4	E1.44	K6	V	46	LWR 11682	L	L	O	005	00	81	277	12	32	G	82/118		E=145,C=68,B=30
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	LWR 11686	L	L	O	005	00	81	277	22	26	G	82/118		E=133,C=60,B=23
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	LWR 11687	L	L	O	010	00	81	277	23	20	G	82/118		E=230,C=65,B=25
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	LWR 11688	L	L	O	005	00	81	278	00	18	G	82/118		E=147,C=60,B=23
HD	234677	RSDJL	18	32	45.3	+51	40	50	8.4		K6	V	46	SWP 15177	L	L	O	120	00	81	278	22	36	G	82/118		E=107,C=45,B=35
	V348 SGR	AH550	18	37	18.0	-22	57	00	12.6				52	SWP 15077	L	L	O	040	00	81	265	16	35	V	/		301
	V348 SGR	AH550	18	37	18.0	-22	57	00	12.6				52	LWR 11604	L	L	O	040	00	81	265	17	18	V	/		403 MICROPHONICS
	V348 SGR	AH550	18	37	18.0	-22	57	00	12.3				52	SWP 15209	L	L	O	110	00	81	281	17	21	V	/		401
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	LWR 10330	L	L	O	004	00	81	100	11	06	G	81/308		E=8X,C=4X,B=25
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	LWR 10330	L	S	O	001	00	81	100	11	16	G	81/308		E=1X,C=80,B=25
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	LWR 10331	L	L	O	001	40	81	100	11	44	G	81/308		E=3X,C=170,B=30
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	LWR 10331	L	S	O	000	20	81	100	11	48	G	81/308		E=LX,C=70,B=30
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	SWP 13695	L	L	O	025	00	81	100	11	54	G	81/305		E=10-20X,C=5-10X,B=4
	NOVA CRA	CVDSS	18	38	29.9	-37	34	59	8.4				55	SWP 13695	L	S	O	020	00	81	100	12	25	G	81/305		E=10-20X,C=5X,B=40
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	LWR 10405	L	L	O	001	39	81	111	16	42	G	81/323		E=2.5X,C=125,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	LWR 10405	L	S	O	000	19	81	111	16	47	G	81/323		E=20S,C=55,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	SWP 13769	L	L	O	001	29	81	111	17	01	G	81/323		E=30X,C=75,B=20
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	SWP 13769	L	S	O	000	19	81	111	17	06	G	81/323		E=80,C=40,B=20
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	SWP 13770	L	L	O	003	00	81	111	17	37	G	81/323		E=3X,C=130,B=18
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	9.8				55	SWP 13770	L	S	O	000	39	81	111	17	46	G	81/323		E=175,C=40,B=18
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	11.7				55	SWP 14066	L	L	O	002	29	81	145	14	01	G	81/361		C=205,B=20
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	11.7				55	SWP 14066	L	S	O	002	29	81	145	14	19	G	81/361		C=205,B=20
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	11.7				55	LWR 10703	L	L	O	008	00	81	145	14	28	G	81/361		E=2X,C=112,B=28
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	11.7				55	LWR 10703	L	S	O	002	00	81	145	14	47	G	81/361		E=235,B=28
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07					55	SWP 14246	L	L	O	020	00	81	164	15	02	G	82/014		E=10X,C=116,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07					55	SWP 14246	L	S	O	005	00	81	164	15	27	G	82/014		C=70,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	12.4				55	LWR 10844	L	S	O	004	00	81	164	15	37	G	82/012		E=220,C=140,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	12.4				55	LWR 10844	L	L	O	016	00	81	164	15	45	G	82/012		E=2-3X,C=230,B=30
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	13.8				55	SWP 14502	L	L	O	070	00	81	198	10	34	G	82/046		E=11-12X,C=146,B=26
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	13.8				55	SWP 14502	L	S	O	013	00	81	198	11	46	G	82/046		E=1899,C=60,B=26
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	14.9				55	SWP 14780	L	L	O	060	00	81	231	04	07	G	82/074		E=98,C=48,B=20
	NOVA CRA	CVDSS	18	38	33.7	-37	34	07	14.9				55	LWR 11368	L	L	O	060	00	81	231	05	09	G	82/074		E=199,B=32

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NOVA CRA	CVDSS	18 38 33.7	-37 34 07				55	SWP 15189	L	L	0	170 00	81 278	23 08	G	82/124	E=151,C=55,B=47
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	8.7			55	SWP 13702	L	L	0	001 29	81 102	10 49	G	81/308	E=4-5X,C=180,B=18
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	8.7			55	SWP 13702	L	S	0	000 10	81 102	10 55	G	81/308	
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	8.7			55	LWR 10343	L	L	0	001 40	81 102	11 24	G	81/308	E=10X,C=155,B=27
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	8.7			55	LWR 10343	L	S	0	000 20	81 102	11 29	G	81/308	E=106,C=65,B=27
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	8.7			55	SWP 13703	L	L	0	000 20	81 102	11 43	G	81/308	C=214,B=17
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	9			55	SWP 13711	L	L	0	001 20	81 104	20 41	G	81/320	C=1.5X,B=22
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	9			55	SWP 13711	L	S	0	001 20	81 104	20 46	G	81/320	C=140,B=22
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	9			55	LWR 10349	L	L	0	001 40	81 104	21 10	G	81/322	E=3X,C=190,B=30
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	9			55	LWR 10349	L	S	0	000 20	81 104	21 14	G	81/322	E=235,C=60,B=30
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	9			55	SWP 13712	H	L	0	020 00	81 104	21 18	G	81/322	C=130,B=28
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	10.4			55	SWP 13870	L	L	0	004 00	81 122	23 04	G	81/341	E=2-3X,C=100,B=25
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	10.4			55	SWP 13870	L	S	0	001 00	81 122	23 12	G	81/341	E=100,C=40,B=25
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	10.4			55	LWR 10506	L	L	0	002 29	81 122	23 38	G	81/333	E=4-5X,C=90,B=25
NOVA CRA	CVDSS	18 38 33.8	-37 34 08	10.4			55	LWR 10506	L	S	0	000 29	81 122	23 45	G	81/333	E=149,C=30,B=25
N CRA 81	CVDSS	18 38 33.8	-37 34 08	0.0			55	SWP 14981	L	L	0	210 00	81 257	00 02	G	82/102	E=239,C=80,B=45
N CRA 81	CVDSS	18 38 33.8	-37 34 08	0.0			55	LWR 11538	L	L	0	112 00	81 257	03 35	G	82/102	E=200,C=95,B=40
N CRA 81	CVDSS	18 38 33.8	-37 34 08	0.0			55	SWP 15500	L	L	0	408 00	81 318	20 47	G	82/160	E=199,C=105,B=73
HD 172748	XSDRS	18 39 32.1	-09 06 08	4.6		F3 IV	41	LWR 10992	H	L	0	035 00	81 183	14 11	G	82/033	C=3X,B=73
HD 172748	XSDRS	18 39 32.1	-09 06 08	4.6		F3 IV	41	SWP 14383	L	L	0	025 00	81 183	14 51	G	82/031	C=20X,B=49
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	SWP 14591	L	L	0	007 00	81 211	13 17	G	82/054	C=1.5X,B=66
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	LWR 11189	L	L	0	005 00	81 211	14 06	G	82/054	C=1.5X,B=38
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	SWP 14594	L	L	0	004 29	81 211	16 08	G	82/056	C=173,B=72
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	LWR 11191	L	L	0	004 00	81 211	16 34	G	82/056	C=15X,B=42
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	SWP 14596	L	L	0	004 29	81 211	19 14	G	82/056	C=119,B=25
HD 173787	CBDMP	18 44 54.0	-20 20 00	7.2	E0.25	B3 V	39	SWP 14694	H	L	0	150 00	81 220	15 18	G	82/074	C=2X,B=2X
HD 174237	CBDMP	18 45 36.0	+52 55 00	5.9	E0.10	B3 V	21	SWP 14703	H	L	0	005 00	81 221	17 42	G	82/074	C=180,B=35
V603 AQL	PS576	18 46 21.0	+00 31 00	12.0			55	LWR 10779	L	L	0	013 00	81 155	23 03	V	/	452
V603 AQL	PS576	18 46 21.0	+00 31 00	12.0			55	LWR 10780	L	L	0	013 00	81 155	23 42	V	/	553
V603 AQL	PS576	18 46 21.0	+00 31 00	12.0			55	LWR 10781	L	L	0	013 00	81 156	00 22	V	/	452
V603 AQL	PS576	18 46 21.0	+00 31 00	12.0			55	LWR 10782	L	L	0	013 00	81 156	01 06	V	/	553
V603 AQL	PS576	18 46 21.0	+00 31 00	12.0			55	LWR 10783	L	L	0	013 00	81 156	01 45	V	/	553
V603 AQL	PS577	18 46 21.0	+00 31 00	12.0			55	LWR 10757	H	L	0	387 00	81 152	00 40	V	/	446
U1849-31	JB601	18 51 50.0	-31 14 00	13.2			59	SWP 14042	L	L	0	040 00	81 144	05 11	V	/	451
U1849-31	JB601	18 51 50.0	-31 14 00	13.2			59	LWR 10693	L	L	0	040 00	81 144	05 56	V	/	452
U1849-31	JB601	18 51 50.0	-31 14 00	13.2			59	SWP 14043	L	L	0	065 00	81 144	06 41	V	/	451
GL 735	UK487	18 53 03.0	+08 20 00	10.1			48	SWP 15175	L	L	0	030 00	81 277	19 05	V	/	001 MOD REF POS
GL 735	UK487	18 53 03.0	+08 20 00	10.1			48	SWP 15175	L	L	0	030 00	81 277	19 46	V	/	001 MOD REF POS
GL 735	UK487	18 53 03.0	+08 20 00	10.1			48	LWR 11685	L	L	0	020 00	81 277	20 19	V	/	343 4-MIN HTR W-UP
GL 735	UK487	18 53 03.0	+08 20 00	10.1			48	SWP 15176	L	L	0	049 00	81 277	20 57	V	/	001

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	SWP 14047	H	L	0	003 30	81 144 16 58	G	82/003	C=230,B=52
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	LWR 10694	H	L	0	002 30	81 144 17 06	G	81/361	C=210,B=40
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	SWP 14067	L	L	0	000 14	81 145 16 10	G	81/361	C=230,B=30,TRAILED
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	LWR 10704	L	L	0	000 15	81 145 16 20	G	81/361	1.5X,B=25,TRAILED
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	LWR 10705	H	L	0	004 29	81 145 17 12	G	81/361	C=1.5X,B=40
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	SWP 14068	H	L	0	005 00	81 145 17 21	G	81/361	C=270,B=45
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	LWR 10720	L	H	0	004 00	81 146 21 31	G	81/361	C=270,B=40
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8	27	SWP 14083	L	H	0	004 30	81 146 21 37	G	81/361	C=250,B=40
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8 IV	27	LWR 10728	H	L	0	004 00	81 147 19 27	G	81/361	C=1.1X,B=45
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8 IV	27	SWP 14089	H	L	0	004 29	81 147 19 36	G	81/361	C=255,B=50
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8 IV	27	SWP 14090	L	L	0	002 18	81 147 20 30	G	81/361	C=225,B=30
HD 175362	BPDKR	18 53 17.1	-37 24 33	5.4		B8 IV	27	LWR 10729	L	L	0	002 18	81 147 20 38	G	81/361	C=1.5X,B=25,TRLD
H 175754	RS564	18 54 39.0	-19 13 00	7.0			15	SWP 13728	H	L	0	012 00	81 106 05 04	V	/	501
HD175754	RS564	18 54 39.0	-19 13 00	07.4			12	SWP 14803	H	L	0	012 00	81 236 18 29	V	/	501
HD 175869	HRDPB	18 54 45.6	+02 28 05	5.5		B9 III	25	SWP 14439	H	L	0	003 00	81 191 14 30	G	82/041	C=65,B=26
HD 175869	HRDPB	18 54 45.6	+02 28 05	5.5		B9 III	25	SWP 14456	H	L	0	009 00	81 193 13 45	G	82/041	C=120,B=35
HD 175869	HRDPB	18 54 45.6	+02 28 05	5.5		B9 III	25	SWP 14469	H	L	0	015 00	81 195 13 38	G	82/046	C=205,B=48
HD 175869	HRDPB	18 54 45.6	+02 28 05	5.5		B9 III	25	SWP 14488	H	L	0	015 00	81 197 13 36	G	82/046	C=200,B=45
HD 175869	HRDPB	18 54 45.6	+02 28 05	5.5		B9 III	25	SWP 14505	H	L	0	015 00	81 199 14 00	G	82/046	C=200,B=38
H 177230	UK480	19 01 20.0	-04 23 00	11.5			11	SWP 14456	L	L	0	040 00	81 207 00 47	V	/	231
HD177230	UK480	19 01 20.0	-04 24 00	11.5			11	SWP 14716	L	L	0	070 00	81 222 21 56	V	/	441
HD177230	UK480	19 01 20.0	-04 24 00	11.5			10	SWP 15048	L	L	0	062 00	81 262 22 15	V	/	441
HD 177230	WRDPM	19 01 20.3	-04 23 30	11.27		WN8	11	SWP 14138	L	L	0	040 00	81 151 20 43	G	82/003	C=130,B=65
HD 177230	WRDPM	19 01 20.3	-04 23 30	11.3		WN	11	LWR 10758	L	L	0	040 00	81 152 07 45	G	82/003	E=1X,C=225,B=30
HD 177230	HSCPC	19 01 20.4	-04 23 13	11.2	EO.77	O1	11	LWR 10530	L	L	0	010 00	81 125 23 39	G	81/342	C=110,B=30
HD 177230	HSCPC	19 01 20.4	-04 23 31	11.2	EO.77	WN	11	SWP 13914	L	L	0	025 00	81 126 23 24	G	81/340	C=75,B=30
D+2 3771	UK410	19 01 39.0	+03 01 00	9.2			23	LWR 10531	L	L	0	014 00	81 126 00 40	V	/	701
D+2 3771	UK410	19 01 39.0	+03 01 00	9.2			23	SWP 13902	L	L	0	025 00	81 126 01 01	V	/	401
BD+23771	UK410	19 01 39.0	+03 01 00	9.2			20	LWR 11735	L	L	0	006 30	81 282 18 40	V	/	501 MN=525
BD+23771	UK410	19 01 39.0	+03 01 00	9.2			20	SWP 15218	L	L	0	035 00	81 282 18 51	V	/	501
N 6751	UK467	19 03 15.0	-06 04 00	15.0			70	SWP 14179	L	L	0	120 00	81 154 23 51	V	/	471
N 6751	UK467	19 03 15.0	-06 04 00	15.0			70	LWR 10775	L	L	0	100 00	81 155 01 55	V	/	453
N 6751	UK467	19 03 15.0	-06 04 00	15.0			70	SWP 14180	L	L	0	020 00	81 155 03 37	V	/	341
HD 178125	MLDGM	19 04 37.0	+10 59 34	5.1	EO.03	B7 V	22	SWP 14856	H	L	0	003 30	81 241 17 18	G	82/091	C=160,B=32
HD 178125	MLDGM	19 04 37.0	+10 59 34	5.1	EO.03	B7 V	22	LWR 11438	H	L	0	003 00	81 241 17 26	G	82/090	C=215,B=32
HD 178125	MLDGM	19 04 37.0	+10 59 34	5.1	EO.03	B7 V	22	SWP 14866	H	L	0	004 30	81 242 17 23	G	82/090	C=200,B=38
HD 178125	MLDGM	19 04 37.0	+10 59 34	5.1	EO.03	B7 V	22	LWR 11444	H	L	0	003 00	81 242 17 30	G	82/091	C=200,B=34
HD 178175	MLDGP	19 05 20.4	-19 22 13	5.5	EO.07	B2 V	26	SWP 15058	H	L	0	005 35	81 263 14 34	G	82/105	C=225,B=38
HD 179094	RSDCB	19 07 15.0	+52 20 42	5.8		K1 IV	39	SWP 13674	L	L	0	057 00	81 097 00 53	G	81/308	E=134,C=60,B=43
HD 179094	RSDCB	19 07 15.0	+52 20 42	5.8		K1 IV	39	LWR 10317	H	L	0	023 00	81 099 01 26	G	81/308	E=162,C=82,B=32

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 179094	RSDCB	19 07 15.0	+52 20 42	5.8		K1 IV	39	LWR 11588	H	L	0	025 00	81 262 15 24	G	82/105	E=198,C=50,B=27
H 179406	UK410	19 09 58.0	-08 01 00	5.4			21	SWP 13865	H	L	0	014 00	81 122 07 11	V	/	601
H 179406	UK410	19 09 58.0	-08 01 00	5.4			21	LWR 10502	H	L	0	005 30	81 122 07 40	V	/	502
HD 180711	LGDTS	19 12 32.8	+67 34 25	3.1		G9 III	45	LWR 11400	H	L	0	025 00	81 234 11 33	G	82/080	E=187,C=1.5X,B=35
HD 180711	LGDTS	19 12 32.8	+67 34 25	3.1		G9 III	45	FES 1344	D	2		160 00	81 283 03 38	G	82/122	NO COMMENTS
HD 180711	LGDTS	19 12 32.8	+67 34 25	3.1		G9 III	45	SWP 15223	L	L	0	120 00	81 283 03 46	G	82/126	E=104,C=115,B=46
RY SGR	OD53B	19 13 16.8	-33 36 40	6.1		GO IB	52	LWR 10820	L	L	0	009 00	81 160 18 32	G	82/014	C=1.2X,B=26
RY SGR	OD53B	19 13 16.8	-33 36 40	6.1		GO IB	52	SWP 14228	L	L	0	025 00	81 160 18 49	G	82/014	C=160,B=24
RY SGR	OD53B	19 13 16.8	-33 36 40	6.1		GO IB	52	LWR 10821	L	L	0	020 00	81 160 19 23	G	82/005	C=10X,B=35
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	SWP 15089	L	L	0	320 00	81 267 16 31	G	82/111	E=69,C=2X,B=65
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11615	L	L	0	005 36	81 267 18 52	G	82/111	C=1.5X,B=24
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11616	L	L	0	017 30	81 267 19 40	G	82/111	C=3-4X,B=25
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11650	L	L	0	003 06	81 274 12 35	G	82/117	C=255,B=25
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	SWP 15146	L	L	0	022 00	81 274 12 42	G	82/117	C=120,B=46
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11651	L	L	0	015 46	81 274 13 11	G	82/117	C=255,B=33
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11651	L	S	0	005 00	81 274 13 44	G	82/117	C=220,B=33
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11746	L	L	0	005 32	81 284 06 22	G	82/129	C=1.5X,B=22
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11746	L	S	0	005 00	81 284 06 33	G	82/129	C=255,B=22
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	SWP 15233	L	L	0	022 00	81 284 06 44	G	82/129	C=130,B=32
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11747	L	L	0	022 00	81 284 07 63	G	82/129	C=10X,B=32
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11868	L	L	0	004 18	81 304 12 22	G	82/150	C=165,B=23
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	SWP 15351	L	L	0	025 00	81 304 12 30	G	82/150	C=50,B=35
RY SGR	OD53B	19 13 16.9	-33 36 41	6.1	EO.O	GO IB	52	LWR 11869	L	L	0	024 00	81 304 13 00	G	82/150	C=4X,B=27
IC 1297	NPDLA	19 13 54.0	-39 41 00	11.5		PN	70	SWP 13920	L	L	0	058 00	81 127 22 51	G	81/344	E=2-3X,C=135,B=45
HD 180809	MGDDM	19 14 37.9	+38 02 36	4.3		KO II	47	LWR 11765	H	L	0	090 00	81 286 02 15	G	82/126	E=202,C=17,B=56
HD180968	UK410	19 15 36.0	+22 56 00	5.4			20	LWR 11732	H	L	0	003 00	81 282 14 24	V	/	401 MN=577
HD180968	UK410	19 15 36.0	+22 56 00	5.4			20	SWP 15214	H	L	0	007 30	81 282 14 32	V	/	501
HD180968	UK410	19 15 36.0	+22 56 00	5.4			20	LWR 11733	L	L	0	000 06	81 282 15 12	V	/	701 MN=379
HD180968	UK410	19 15 36.0	+22 56 00	5.4			20	LWR 11733	L	S	0	000 06	81 282 15 18	V	/	501 MN=379
HD180968	UK410	19 15 36.0	+22 56 00	5.4			20	SWP 15215	L	L	0	000 05	81 282 15 59	V	/	500
HD 181182	CBDMP	19 16 36.9	+19 31 03	6.5	EO.05	B8 V	39	SWP 14595	L	S	0	000 19	81 211 18 05	G	82/056	C=98,B=17
HD 181182	CBDMP	19 16 36.9	+19 31 03	6.5	EO.05	B8 V	39	LWR 11192	L	S	0	000 19	81 211 18 08	G	82/056	C=185,B=26
HD 181182	CBDMP	19 16 36.9	+19 31 03	6.5	EO.05	B8 V	39	SWP 14595	L	L	0	000 14	81 211 18 12	G	82/056	C=132,B=17
HD 181182	CBDMP	19 16 36.9	+19 31 03	6.5	EO.05	B8 V	39	LWR 11192	L	L	0	000 14	81 211 18 15	G	82/056	C=230,B=26
HD 181182	CBDMP	19 16 36.9	+19 31 03	6.5	EO.05	B8 V	39	SWP 14702	H	L	0	024 00	81 221 16 27	G	82/074	C=260,B=110
HD 181182	CBDMP	19 16 37.0	+19 31 03	6.5	EO.05	B8 V	39	LWR 11279	H	L	0	015 00	81 221 16 58	G	82/080	C=225,B=50
E141-G55	UK475	19 16 57.0	-58 46 00	13.6			84	SWP 15256	L	L	0	008 00	81 286 21 39	V	/	230
E141-G55	UK481	19 16 57.0	-58 46 00	13.2			84	SWP 14275	L	L	0	060 00	81 168 03 23	V	/	351
E141-G55	UK481	19 16 57.0	-58 46 00	13.2			84	LWR 10890	L	L	0	075 00	81 168 04 27	V	/	463
E141-G55	VILSP	19 16 57.0	-58 46 00	14.1			84	SWP 14399	L	L	0	050 00	81 186 01 49	V	/	341

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	E141-G55	VILSP	19	16	57.0	-58	46	00	14.1				84	LWR 11010	L	L	0	063	00	81	186	02	44	V	/		453
	LDS678A	FBDJL	19	17	54.0	-07	45	00	12.2		B8	WD	37	SWP 14679	L	L	0	045	00	81	219	09	46	G	82/074		C=140,B=55
	LDS678A	FBDJL	19	17	54.0	-07	45	00	12.2		B8	WD	37	LWR 11262	L	L	0	030	00	81	219	10	38	G	82/074		C=220,B=54
	LDS678A	FBDJL	19	17	54.0	-07	45	00	12.2		B8	WD	37	SWP 14680	L	L	0	055	00	81	219	11	17	G	82/066		C=242,B=160
	HH-32A	HHDKB	19	18	07.9	+10	56	21	16.7	EO.69	HH		19	SWP 13804	L	L	0	310	00	81	115	10	45	G	81/323		B=75
	H 182640	AH510	19	22	58.0	+03	01	00	3.4				40	LWR 10563	L	L	0	000	06	81	130	05	26	V	/		702
	H 182640	AH510	19	22	58.0	+03	01	00	3.4				40	LWR 10563	L	S	0	000	06	81	130	05	30	V	/		602
	H 182640	AH510	19	22	58.0	+03	01	00	3.4				40	SWP 13952	L	L	0	000	25	81	130	05	33	V	/		500
	H 182640	AH510	19	22	58.0	+03	01	00	3.4				40	SWP 13952	L	S	0	000	40	81	130	05	37	V	/		500
HD	182917	CVDDL	19	23	13.9	+50	08	53	6.88	EO.06	M6	III	57	LWR 10569	H	L	0	010	00	81	130	19	48	G	81/356		E=1.5X,C=150,B=30
HD	183056	BPDJJ	19	24	21.0	+36	12	59	5.1		B9	V	27	SWP 14982	H	S	0	011	00	81	257	08	19	G	82/102		C=245,B=40
HD	183056	BPDJJ	19	24	21.0	+36	12	59	5.1		B9	V	27	LWR 11540	H	S	0	008	00	81	257	08	36	G	82/102		C=225,B=33
HD	183056	BPDJJ	19	24	21.0	+36	12	59	5.1		B9	V	27	SWP 14983	H	S	0	009	00	81	257	09	06	G	82/102		C=207,B=37
HD	183056	BPDJJ	19	24	21.0	+36	12	59	5.1		B9	V	27	LWR 11541	H	S	0	007	30	81	257	09	38	G	82/101		C=220,B=32
HD	183656	BEDAS	19	28	02.9	+03	20	19	6.04	EO.02	6	V	60	LWR 11064	H	L	0	007	00	81	196	12	39	G	82/041		C=180,B=33
HD	183656	BEDAS	19	28	02.9	+03	20	19	6.04	EO.02	B5	V	60	SWP 14478	H	L	0	014	00	81	196	12	51	G	82/041		C=200,B=42
HD	184398	RSDCB	19	30	10.1	+55	37	29	6.4		A8	IV	39	SWP 13681	L	L	0	090	00	81	098	19	16	G	81/308		E=250,C=5X,B=42
HD	184398	RSDCB	19	30	10.1	+55	37	29	6.4		A8	IV	39	LWR 10313	H	L	0	040	00	81	098	19	32	G	81/308		E=156,C=95,B=33
HD	184398	RSDCB	19	30	10.1	+55	37	29	6.4		A8	IV	39	SWP 14996	L	L	0	060	00	81	258	00	30	G	82/102		E=105,C=3-5X,B=28
HD	185144	CCDMG	19	32	27.6	+69	34	34	4.8		K0	V	46	SWP 13638	L	L	0	100	00	81	091	20	49	G	81/300		E=158,C=130,B=80
HD	185144	CCDMG	19	32	27.6	+69	34	34	4.8		K0	V	46	LWR 10263	L	L	0	003	29	81	091	22	33	G	81/300		C=2-3X,B=23
HD	185144	CCDMG	19	32	27.6	+69	34	34	4.7		G4	V	46	LWR 10265	L	S	0	000	75	81	092	01	25	G	81/300		C=210,B=25
HD	185144	CCDMG	19	32	27.6	+69	34	34	4.7		G4	V	46	LWR 10265	L	L	0	000	75	81	092	01	29	G	81/300		C=1.5X,B=25
HD	184927	HRDPB	19	33	35.2	+31	09	58	7.6		B2		20	SWP 14681	L	L	0	015	00	81	219	12	47	G	82/066		E=175,C=230,B=83
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11042	H	L	0	024	00	81	191	12	50	G	82/041		C=2X,B=68
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14438	H	L	0	028	00	81	191	13	25	G	82/041		C=2X,B=90
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11044	H	L	0	010	00	81	191	19	20	G	82/039		E=145,C=190,B=32
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14444	H	L	0	014	00	81	191	19	36	G	82/039		C=200
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14455	H	L	0	015	00	81	193	12	36	G	82/041		C=215,B=44
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11053	H	L	0	011	00	81	193	13	02	G	82/041		E=145,C=210,B=39
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14462	H	L	0	015	00	81	193	18	51	G	82/041		E=117,C=205,B=40
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11054	H	L	0	012	00	81	193	19	12	G	82/041		E=163,C=220,B=32
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14468	H	L	0	015	00	81	195	12	19	G	82/046		C=210,B=45
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11062	H	L	0	012	00	81	195	12	54	G	82/049		C=220,B=40
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14475	H	L	0	015	00	81	195	18	44	G	82/041		C=205,B=43
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11063	H	L	0	012	00	81	195	19	04	G	82/041		C=220,B=35
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11069	H	L	0	012	00	81	197	12	15	G	82/041		C=220,B=38
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14487	H	L	0	015	00	81	197	12	48	G	82/041		C=205,B=45
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	SWP 14494	H	L	0	015	00	81	197	18	28	G	82/046		C=210,B=43
HD	184927	HRDPB	19	33	35.3	+31	09	59	7.6		B2		20	LWR 11070	H	L	0	012	00	81	197	18	49	G	82/046		C=220,B=37

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 184927	HRDPB	19 33 35.3	+31 09 59	7.6		B2		20	SWP 14504	H	L	0	015 00	81 199	12 50	G	82/046	C=200,B=40
HD 184927	HRDPB	19 33 35.3	+31 09 59	7.6		B2		20	LWR 11086	H	L	0	012 00	81 199	13 17	G	82/046	C=220,B=34
HD 184927	HRDPB	19 33 35.3	+31 09 59	7.6		B2		20	SWP 14511	H	L	0	015 00	81 199	19 11	G	82/049	C=204,B=39
HD 184927	HRDPB	19 33 35.3	+31 09 59	7.6		B2		20	LWR 11087	H	L	0	012 00	81 199	19 33	G	82/046	C=210,B=32
HD 184927	HRDPB	19 33 35.3	+31 09 59	7.6		B2		20	SWP 14664	H	L	0	008 00	81 217	17 42	G	82/066	C=132,B=32
H 184915	JP851	19 34 12.0	-07 08 00	4.9				23	SWP 14512	H	L	0	002 00	81 199	20 25	V	/	501
H 184915	JP851	19 34 12.0	-07 08 00	4.9				23	LWR 11088	H	L	0	002 00	81 199	21 05	V	/	502
H 184915	JP851	19 34 12.0	-07 08 00	4.9				23	SWP 14513	H	L	0	003 00	81 199	21 10	V	/	501
H 184915	JP851	19 34 12.0	-07 08 00	4.9				23	SWP 14516	H	L	0	003 00	81 200	00 07	V	/	501
H 184915	JP851	19 34 12.0	-07 08 00	4.9				23	LWR 11090	H	L	0	002 20	81 200	00 13	V	/	562
HM SGE	ZADAB	19 36 41.0	+16 37 32	11.0		O5		70	LWR 11873	L	L	0	008 00	81 305	05 04	G	82/150	E=1.5X,C=70,B=27
H 185859	UK409	19 38 17.0	+20 22 00	6.5				23	LWR 10800	H	L	0	025 00	81 157	23 04	V	/	602
H 185859	UK409	19 38 17.0	+20 22 00	6.5				23	SWP 14207	H	L	0	080 00	81 157	23 32	V	/	601
H 185915	UK409	19 38 32.0	+23 36 00	6.4				22	LWR 10801	H	L	0	020 00	81 158	01 07	V	/	502
H 185915	UK409	19 38 32.0	+23 36 00	6.4				22	SWP 14208	H	L	0	025 00	81 158	01 36	V	/	401
HM SGE	ZADRS	19 39 40.0	+16 38 00	11.5		M	IB	57	LWR 11319	L	L	0	024 00	81 226	11 21	G	82/070	E=2-3X,C=120,B=41
HM SGE	ZADRS	19 39 40.0	+16 38 00	11.5		M	IB	57	SWP 14756	L	L	0	045 00	81 226	11 50	G	82/070	E=1.5X,B=50
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	SWP 14704	L	S	0	010 00	81 221	18 48	V	/	131
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	SWP 14704	L	L	0	030 00	81 221	19 01	V	/	261
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	LWR 11280	L	S	0	008 00	81 221	19 36	V	/	353
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	LWR 11280	L	L	0	040 00	81 221	19 48	V	/	563
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	SWP 14705	H	L	0	050 00	81 221	20 32	V	/	130
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	LWR 11281	H	L	0	070 00	81 221	21 26	V	/	254 MICROPHONICS
HM SGE	HN600	19 39 41.0	+16 38 00	00.0				57	SWP 14706	H	L	0	187 00	81 221	22 40	V	/	262
HM SGE	ZADAB	19 39 41.1	+16 37 33	11.0		O5		70	SWP 15353	L	L	0	060 00	81 304	21 49	G	82/150	E=2X,C=80,B=25
HM SGE	ZADAB	19 39 41.1	+16 37 33	11.0		O5		70	LWR 11871	L	L	0	030 00	81 304	22 55	G	82/150	E=3X,C=120,B=29
HM SGE	ZADAB	19 39 41.1	+16 37 33	11.0		O5		70	SWP 15354	H	L	0	180 00	81 304	23 31	G	82/150	E=1.5X,B=45
HM SGE	ZADAB	19 39 41.1	+16 37 33	11.0		O5		70	LWR 11872	H	L	0	107 00	81 305	02 37	G	82/150	E=255,B=40
HM SGE	ZADAB	19 39 41.1	+16 37 33	11.0		O5		70	SWP 15355	L	L	0	012 00	81 305	04 30	G	82/150	E=1X,C=30,B=14
UU SGE	CVDHB	19 39 54.9	+16 58 06	15.0	EO.6	SD		70	SWP 14712	L	L	0	045 00	81 222	17 03	G	82/067	C=55,B=30
L1573-31	FBDJL	19 40 25.0	+37 24 39	14.5		B5	WD	29	SWP 14678	L	L	0	210 00	81 219	03 07	G	82/074	C=225,B=53
L1573-31	FBDJL	19 40 25.0	+37 24 39	14.5		B5	WD	29	LWR 11261	L	L	0	135 00	81 219	06 41	G	82/074	C=225,B=35
BD +23 3745	DBDAW	19 40 41.9	+23 20 11	8.7	EO.31	B0	IB	23	SWP 14524	L	L	0	022 17	81 200	13 33	G	82/046	C=230,B=21
BD +23 3745	DBDAW	19 40 41.9	+23 20 11	8.7	EO.31	B0	IB	23	LWR 11095	L	S	0	038 29	81 200	14 03	G	82/046	C=5X,B=35
BD +23 3745	DBDAW	19 40 41.9	+23 20 11	8.7	EO.31	B0	IB	23	LWR 11095	L	L	0	007 41	81 200	14 46	G	82/046	C=2X,B=35
NGC 6818	NPDLA	19 41 09.0	-14 16 21	10.6		PN		70	SWP 13916	H	L	0	240 00	81 127	09 05	G	81/344	E=2-3X,B=70
NGC 6818	NPDLA	19 41 09.0	-14 16 21	10.6		PN		70	LWR 10540	H	L	0	180 00	81 127	13 10	G	81/344	E=150,B=55
NGC 6818	NPDLA	19 41 09.4	-14 16 21	10.6		PN		70	SWP 13943	L	L	0	060 00	81 129	08 53	G	81/351	E=3X,C=60,B=25
NGC 6818	NPDLA	19 41 09.4	-14 16 21	10.6		PN		70	LWR 10557	L	L	0	060 00	81 129	10 01	G	81/351	E=156,C=95,B=33
NGC 6818	NPDLA	19 41 09.4	-14 16 21	10.6		PN		70	SWP 13944	L	L	0	015 00	81 129	11 05	G	81/351	E=195,B=18

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
II+18009	HSDJD	19	41	17.5	+18	17	24	12.1		O4 SD	16	LWR 11404	L	L	O	018	00	81	235	10	36	G	82/080		C=4X,B=25
II+18009	HSDJD	19	41	17.5	+18	17	24	12.1		O4 SD	16	SWP 14793	L	L	O	012	00	81	235	10	59	G	82/080		C=6X,B=20
II+18009	HSDJD	19	41	17.5	+18	17	24	12.1		O4 SD	16	LWR 11414	L	L	O	004	22	81	237	17	43	G	82/084		C=210,B=25
II+18009	HSDJD	19	41	17.5	+18	17	24	12.1		O4 SD	16	SWP 14821	L	L	O	001	53	81	238	17	44	G	82/084		C=145,B=15
NGC6822	JL542	19	42	03.0	-15	50	00	00.0			80	SWP 15127	L	L	O	134	00	81	272	21	03	V	/		202
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11325	L	L	O	001	33	81	227	02	58	G	82/076		C=135,B=26
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	SWP 14766	L	L	O	012	00	81	227	03	04	G	82/076		C=220,B=23
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11326	H	S	C	360	00	81	227	03	30	G	82/074		C=265,B=105
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11353	H	S	C	300	00	81	229	02	48	G	82/074		C=250,B=72
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11356	L	L	O	002	14	81	229	09	23	G	82/074		C=150,B=25
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	SWP 14773	L	L	O	012	00	81	229	09	33	G	82/074		C=220,B=25
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	SWP 15284	L	L	O	012	00	81	291	06	23	G	82/138		C=205,B=25
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11798	L	L	O	002	25	81	291	06	39	G	82/138		C=150,B=25
HD 186688	DCDNE	19	42	48.5	+29	08	34	7.0	EO.14	GO IB	53	LWR 11815	L	L	O	002	30	81	294	11	42	G	82/138		C=184,B=26
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	SWP 15304	L	L	O	012	00	81	294	11	59	G	82/138		C=240,B=18
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11816	L	S	O	005	40	81	294	12	36	G	82/138		C=203,B=30
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11816	L	L	O	011	20	81	294	13	08	G	82/138		C=220,B=30
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	SWP 15305	L	S	O	010	00	81	294	13	40	G	82/138		C=119,B=16
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11826	L	L	O	005	40	81	296	12	44	G	82/138		C=165,B=30,TRLD
HD 186688	DCDNE	19	42	48.5	+29	08	34	0.3		F5 IB	53	LWR 11826	L	S	O	005	40	81	296	13	12	G	82/138		C=220,B=30,TRLD
HD 186688	DCDNE	19	42	48.5	+29	08	34				53	SWP 15319	L	L	O	012	00	81	296	13	23	G	82/138		C=225,B=27
HD 186688	DCDNE	19	42	48.5	+29	08	39				53	SWP 15328	L	L	O	012	00	81	298	12	59	G	82/138		C=235,B=30
HD 186688	DCDNE	19	42	48.5	+29	08	34				53	LWR 11840	L	L	O	005	40	81	298	13	33	G	82/138		C=215,B=26
HD 186688	DDCNE	19	42	48.5	+29	08	39				53	LWR 11839	L	L	O	007	10	81	298	12	36	G	82/138		C=190,B=35,TRLD
II+33005	HSDJD	19	43	23.7	+33	51	05	10.4		B2 IA	27	LWR 11418	L	L	O	006	00	81	238	16	38	G	82/084		C=230,B=25
II+33005	HSDJD	19	43	23.7	+33	51	05	10.4		B2 IA	27	SWP 14820	L	L	O	015	00	81	238	16	50	G	82/084		C=150,B=15
HD186882	HL593	19	43	25.0	+45	00	00	02.8			25	SWP 14822	H	S	O	002	40	81	238	18	28	V	/		501
HD186882	HL593	19	43	25.0	+45	00	00	02.8			25	SWP 14823	H	S	O	004	50	81	238	19	05	V	/		701
HD186882	HL593	19	43	25.0	+45	00	00	02.8			25	SWP 14827	H	S	O	004	00	81	238	23	00	V	/		601
HD186882	HL593	19	43	25.0	+45	00	00	02.8			25	SWP 14844	H	S	O	004	00	81	240	18	46	V	/		701
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	SWP 14615	L	L	O	040	00	81	213	11	46	G	82/056		E=6X,C=152,B=98
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	SWP 14615	L	S	O	002	00	81	213	12	31	G	82/056		E=190,C=210,B=98
NGC 6826	NDDHH	19	43	27.0	+50	24	00				71	LWR 11207	L	L	O	060	00	81	213	12	40	G	82/056		E=193,C=210,B=80
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	LWR 11207	L	S	O	002	00	81	213	14	11	G	82/056		C=220,B=80
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	SWP 14616	L	L	O	020	00	81	213	14	21	G	82/056		E=203,C=110,B=72
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	SWP 14626	L	L	O	060	00	81	214	10	18	G	82/056		E=2X,C=159,B=72
NGC 6826	NDDHH	19	43	27.0	+50	24	00	0.0			71	LWR 11215	L	L	O	060	00	81	214	11	24	G	82/056		E=185,C=210,B=83
NGC 6826	NPDLA	19	43	27.2	+50	24	11	11.1		PN	70	SWP 13917	L	L	O	060	00	81	127	17	00	G	81/344		E=5-6X,C=185,B=80
NGC 6826	NPDLA	19	43	27.2	+50	24	11	11.1		PN	70	LWR 10541	L	L	O	060	00	81	127	18	08	G	81/344		C=205,B=60
NGC 6826	NPDLA	19	43	27.2	+50	24	11	11.1		PN	70	SWP 13918	L	L	O	005	00	81	127	19	14	G	81/344		E=75,B=20

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 186791	MLDLH	19 43 52.9	+10 29 24	2.6		K3 II	47	LWR 11957	H	L	0	020 00	81 315 04 20	G	82/158	E=1.5X,C=70,B=30
HD 186791	MLDLH	19 43 52.9	+10 29 24	2.6		K3 II	47	SWP 15473	L	L	0	060 00	81 315 04 46	G	82/158	E=232,C=70,B=32
HD 186943	WRDLA	19 44 14.2	+28 08 55	10.4	E0.40	WN	11	SWP 15586	L	L	0	010 00	81 333 09 50	G	82/186	E=1X,C=146,B=30
HD 186943	WRDLA	19 44 14.2	+28 08 55	10.4	E0.40	WN	11	SWP 15600	L	L	0	010 00	81 334 09 45	G	82/178	E=1.1X,C=140,B=24
HD 186943	WRDLA	19 44 14.3	+28 08 55	10.4	E0.51	WN IV	11	SWP 15578	L	L	0	010 00	81 332 09 33	G	82/174	E=255X,C=175,B=35
HD 186943	WRDLA	19 44 14.3	+28 08 55	10.4	E0.51	WN IV	11	SWP 15578	L	S	0	010 00	81 332 09 48	G	82/174	E=198,C=110,B=35
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3		WN6	11	SWP 14114	L	L	0	006 00	81 149 23 19	G	82/007	NO COMMENTS
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.36		WN4	11	LWR 10747	L	L	0	003 00	81 149 23 28	G	81/363	C=125,B=25
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3		WN4	11	SWP 14132	L	L	0	006 00	81 151 14 47	G	82/003	E=166,C=100,B=28
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3		WN	11	SWP 14141	L	S	0	004 00	81 152 08 49	G	82/004	E=51,C=50,B=26
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3		WN	11	SWP 14141	L	L	0	006 00	81 152 08 56	G	82/004	E=99,C=94,B=26
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3	E0.41	WN	11	SWP 14167	L	L	0	006 00	81 154 08 30	G	82/004	E=149,C=96,B=24
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3	E0.41	WN	11	LWR 10769	L	L	0	003 00	81 154 08 40	G	82/004	C=120,B=23
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3	E0.41	WN	11	SWP 14174	L	L	0	006 00	81 154 16 57	G	82/005	E=194,C=105,B=27
HD 186943	WRDPM	19 44 14.3	+28 08 56	10.3	E0.41	WN	11	LWR 10772	L	L	0	003 00	81 154 17 33	G	82/005	C=143,B=27
HD187111	FS592	19 45 53.0	-12 15 00	7.7			47	LWR 11704	L	L	0	050 00	81 279 17 55	V	/	502
HD 187282	WRDJH	19 46 18.0	+18 04 34	10.6	E0.02	WN IV	11	SWP 15101	H	L	0	150 00	81 269 03 51	G	82/111	E=225,C=200,B=53
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	LWR 11317	H	L	0	090 00	81 226 06 29	G	82/076	E=135,B=40
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	SWP 14754	H	L	0	090 00	81 226 08 04	G	82/076	E=140,B=43
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	LWR 11318	L	L	0	020 00	81 226 09 39	G	82/076	E=214,C=100,B=32
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	LWR 11318	L	S	0	005 00	81 226 10 08	G	82/076	C=70,B=32
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	SWP 14755	L	L	0	020 00	81 226 10 19	G	82/070	E=213,C=60,B=45
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	SWP 14755	L	S	0	005 00	81 226 10 48	G	82/070	C=60,B=45
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	LWR 11788	L	L	0	020 00	81 289 12 40	G	82/131	E=1X,C=92,B=31
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	LWR 11788	L	S	0	005 00	81 289 13 07	G	82/131	E=1X,C=60,B=31
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	SWP 15274	L	S	0	005 00	81 289 13 18	G	82/131	E=48,B=28
CI CYG	ZADRS	19 48 20.9	+35 33 23	10.7		M IB	57	SWP 15274	L	L	0	020 00	81 289 13 28	G	82/131	E=216,B=28
CI CYG	AA545	19 48 21.0	35 33 00	10.0			57	LWR 10427	H	L	0	100 00	81 114 05 13	V	/	032
CI CYG	AA545	19 48 21.0	35 33 00	10.0			57	SWP 13795	H	L	0	080 00	81 114 06 57	V	/	032
HD 187949	MLDGM	19 50 18.0	-14 44 00	6.5	E0.08	A2 V	30	LWR 11443	H	L	0	030 00	81 242 15 11	G	82/081	C=180,B=53
HD 187949	MLDGM	19 50 18.0	-14 44 00	6.5	E0.08	A2 V	30	SWP 14865	H	L	0	060 00	81 242 15 46	G	82/090	C=120,B=55
23 CYG	RPSTD	19 52 15.7	+57 23 30	5.4	E0.01	B5 V	21	SWP 15337	L	L	0	000 70	81 301 08 28	G	82/139	C=16X,B=27,TRLD
23 CYG	RPSTD	19 52 15.7	+57 23 30	5.4	E0.01	B5 V	21	SWP 15338	L	L	0	000 05	81 301 09 04	G	82/146	C=120,B=25,TRLD
23 CYG	RPSTD	19 52 15.7	+57 23 30	5.4	E0.01	B5 V	21	LWR 11856	L	L	0	000 08	81 301 09 24	G	82/146	C=208,B=30,TRLD
23 CYG	RPSTD	19 52 15.7	+57 23 30	5.4	E0.01	B5 V	21	SWP 15339	L	L	0	000 07	81 301 09 47	G	82/146	C=180,B=29,TRLD
HD 188665	RPSTD	19 52 15.8	+57 23 30	5.14	E0.01	B5 V	21	LWR 12008	L	L	0	000 09	81 325 04 20	G	82/172	C=205,B=25,TRLD
V1016CYG	NPDWF	19 55 20.0	+39 41 24	10.5		PN	70	SWP 13704	L	L	0	007 00	81 102 12 56	G	81/312	E=3-4,C=45,B=20
V1016CYG	NPDWF	19 55 20.0	+39 41 24	10.5		PN	70	LWR 10344	L	L	0	008 00	81 102 13 09	G	81/312	E=2-3X,C=1-5,B=25
V1016CYG	NPDWF	19 55 20.0	+39 41 24	10.5		PN	70	SWP 13705	H	L	0	060 00	81 102 13 39	G	81/312	E=3X,B=30
V1016CYG	NPDWF	19 55 20.0	+39 41 24	10.5		PN	70	LWR 10345	L	L	0	002 00	81 102 14 43	G	81/312	E=236,C=65,B=23

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	V1016CYG	NPDWF	19	55	20.0	+39	41	24	10.5				70	SWP 14192	H	L	O	030	00	81	156	14	29	G	82/005		E=1.5X,B=32
	V1016CYG	NPDWF	19	55	20.0	+39	41	24	10.5				70	LWR 10786	L	L	O	003	00	81	156	15	03	G	82/005		E=3,C=100,B=26
	V1016CYG	NPDWF	19	55	20.0	+39	41	24					70	SWP 14193	L	L	O	003	00	81	156	15	32	G	82/005		E=250,B=17
HD	190007	CCDRN	20	00	16.8	+03	11	01	7.8		K4	V	46	SWP 15231	L	L	O	200	00	81	283	22	31	G	82/129		E=1X,C=52,B=52
	RR TEL	PHCAL	20	00	17.9	-55	51	53	14.0				63	SWP 14229	H	S	O	020	00	81	160	20	29	G	82/014		E=2X,B=24
	RR TEL	PHCAL	20	00	17.9	-55	51	53	10.0				63	SWP 14230	H	L	O	010	00	81	160	21	16	G	82/014		E=2X,B=20
	RR TEL	PHCAL	20	00	20.0	-55	52	00	10.5				63	SWP 13730	L	L	O	020	00	81	106	06	48	V	/		260 TRAILED
	RR TEL	PHCAL	20	00	20.0	-55	52	00	10.5				63	LWR 10364	H	L	O	020	00	81	106	07	05	V	/		262
	RR TEL	PHCAL	20	00	20.0	-55	52	00	10.5				63	LWR 10904	H	S	O	026	00	81	170	05	04	V	/		031
	RR TEL	PHCAL	20	00	20.0	-55	52	00	10.5				63	LWR 10904	H	L	O	012	00	81	170	05	35	V	/		041
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	LWR 11293	H	L	O	025	00	81	223	19	11	V	/		071
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	SWP 14727	H	L	O	025	00	81	223	19	41	V	/		062
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	SWP 14729	H	L	O	025	00	81	223	22	56	V	/		063
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	LWR 11296	H	L	O	025	00	81	223	23	28	V	/		073 MICROPHONICS
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	SWP 14730	L	S	O	002	00	81	224	01	16	V	/		161
	RR TEL	PHCAL	20	00	20.0	-55	05	00	10.5				57	SWP 14730	L	L	O	006	00	81	224	01	21	V	/		371
	RRTEL	PHCAL	20	00	20.0	-55	52	00	10.5				57	SWP 15210	H	S	O	087	00	81	281	20	21	V	/		171
	RRTEL	PHCAL	20	00	20.0	-55	52	00	10.5				57	LWR 11744	H	S	O	120	00	81	283	17	33	V	/		71 4-MIN HTR W-UP
	RRTEL	PHCAL	20	00	20.0	-55	52	00	10.5				57	SWP 15229	H	L	O	044	00	81	283	19	36	V	/		71
	RRTEL	PHCAL	20	00	20.0	-55	52	00	10.5				57	LWR 11745	H	L	O	060	00	81	283	20	24	V	/		71 MICROPHONICS
	RR TEL	VILSP	20	00	20.0	-55	51	05					63	LWR 11293	H	L	O	025	00	81	223	19	11	V	/		NO COMMENTS
	RR TEL	VILSP	20	00	20.0	-55	51	54			NL		63	SWP 14729	H	L	O	025	00	81	223	22	56	V	/		NO COMMENTS
	RR TEL	VILSP	20	00	20.0	-55	51	54					63	LWR 11296	H	L	O	025	00	81	223	23	28	V	/		NO COMMENTS
	RR TEL	VILSP	20	00	20.0	-55	51	54					63	SWP 14730	L	S	O	002	00	81	224	01	16	V	/		NO COMMENTS
	RR TEL	VILSP	20	00	20.0	-55	51	54					63	SWP 14730	L	L	O	006	00	81	224	01	21	V	/		NO COMMENTS
HD	190603	HSDTS	20	02	37.9	+32	04	29	5.6	E0.82	B1		23	SWP 14905	H	S	O	060	00	81	248	10	44	G	82/095		E=80,C=100,B=38
HD	190603	NRDAW	20	02	37.9	+32	04	32	5.63	E0.75	B1	IB	20	LWR 11183	L	S	O	001	23	81	210	17	09	G	82/054		C=3X,B=45
HD	190603	NRDAW	20	02	37.9	+32	04	32	5.63	E0.75	B1	IB	20	LWR 11183	L	L	O	000	50	81	210	17	16	G	82/054		C=246,B=45,TRLD
HD	190603	NRDAW	20	02	37.9	+32	04	32	5.63	E0.75	B1	IB	20	SWP 14587	L	L	O	003	30	81	210	17	27	G	82/054		C=220,B=62
HD	190603	HSDTS	20	02	38.3	+32	04	31	05.6	E0.82	B1		23	SWP 14937	H	S	O	110	00	81	252	09	17	G	82/101		E=122,C=215,B=58
HD	190603	HSDTS	20	02	38.3	+32	04	31	05.6	E0.82	B1	IB	23	SWP 14942	H	S	O	074	00	81	252	14	35	G	82/095		C=170,B=72
NGC	6864	IGDDY	20	03	12.0	-22	04	00	15.7		F8		83	LWP 1385	L	L	O	060	00	81	330	09	00	G	82/178		C=160,B=91
	RR TEL	VILSP	20	03	39.3	-55	51	54					63	SWP 14727	H	L	O	025	00	81	223	19	41	V	/		NO COMMENTS
	H 190248	UK458	20	03	50.0	-66	18	00	3.6				44	LWR 10606	H	L	O	022	00	81	134	06	14	V	/		652
	H 190918	UK480	20	04	05.0	+35	39	00	7.5				11	SWP 14554	H	L	O	010	00	81	206	22	57	V	/		331
	HD190918	UK480	20	04	05.0	+35	39	00	7.5				11	SWP 14715	H	L	O	020	00	81	222	20	40	V	/		551
HD	191026	MGDDM	20	04	29.9	+35	50	00	5.4	E0.01	K0	IV	46	LWR 11766	H	L	O	095	00	81	286	04	20	G	82/126		E=1.1X,C=1.1X,B=66
HD	191026	MGDDM	20	04	30.1	+35	50	00	5.52		K0	IV	46	SWP 15272	L	L	O	060	00	81	289	08	50	G	82/131		E=67,C=35,B=32
HD	190993	RPSTD	20	04	44.3	+23	28	08	5.06	E0.02	B3	V	21	LWR 12024	L	L	O	000	06	81	326	04	45	G	82/174		C=200,B=27,TRLD
	WZ SGE	CVDCW	20	05	20.5	+17	33	30	14.1		B5	V	55	SWP 13718	L	L	O	049	00	81	105	04	27	G	81/314		B=20

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	WZ SGE	CVDCW	20 05 20.5	+17 33 30	14.1		B5 V	55	LWR 10702	L	L	0	245 00	81 145	08 44	G	81/361	E=2X,C=235,B=52
	WZ SGE	CVDCW	20 05 20.5	+17 33 30	14.1	EO.10	B5 V	55	SWP 15554	L	L	0	120 00	81 326	23 53	G	82/174	E=95,C=110,B=40
	WZ SGE	CVDCW	20 05 20.5	+17 33 30	14.1	EO.10	B5 V	55	LWR 12037	L	L	0	109 00	81 327	01 57	G	82/174	E=201,C=160,B=55
HD	191408A	CCDHJ	20 07 56.2	-36 14 31	5.3		K3 V	46	LWR 10843	L	L	0	002 00	81 164	12 11	G	82/014	C=1X,B=21
HD	191408A	CCDHJ	20 07 56.2	-36 14 31	5.3		K3 V	46	LWR 10843	L	S	0	000 39	81 164	12 17	G	82/014	C=83,B=23
HD	191408A	CCDHJ	20 07 56.2	-36 14 31	5.3		K3 V	46	SWP 14245	L	L	0	044 00	81 164	12 27	G	82/014	E=221,B=25
HD	191408A	CCDHJ	20 07 56.2	-36 14 31	5.3		K3 V	46	SWP 14245	L	S	0	015 00	81 164	12 45	G	82/014	E=221,B=25
	HD191877	HL593	20 09 10.0	+21 44 00	06.3			23	SWP 14825	H	S	0	034 00	81 238	21 07	V	/	501
HD	192163	WRDPM	20 10 17.1	+38 12 16	8.1		WN	11	SWP 14133	H	L	0	025 00	81 151	15 26	G	82/003	E=1.5X,C=120,B=60
HD	192163	WRDPM	20 10 17.1	+38 12 16	8.1		WN	11	LWR 10756	L	L	0	000 15	81 151	15 55	G	82/003	E=192,C=105,B=25
	MKN 509	UK447	20 11 26.0	-10 54 00	13.0			84	SWP 13707	H	L	0	915 00	81 103	00 15	V	/	*** ST RD AT GSFC
	MKN 509	UK447	20 11 26.0	-10 54 00	13.0			84	LWP 1310	H	L	0	500 00	81 103	01 03	V	/	*** SERENDIPITY BG
HD	192518	BEDAS	20 12 11.2	+28 32 32	5.2		A5 IV	60	SWP 15511	H	S	0	100 00	81 322	04 23	G	82/165	C=220,B=55
HD	192518	BEDAS	20 12 11.2	+28 32 32	5.2		A5 IV	60	LWR 11988	H	S	0	050 00	81 322	06 06	G	82/165	C=1.5X,B=40
H	192909	DR590	20 13 55.0	+47 33 00	3.0			29	SWP 14267	H	L	0	060 00	81 167	22 42	V	/	553
H	192909	DR590	20 13 55.0	+47 33 00	3.0			29	LWR 10876	H	L	0	025 00	81 167	23 46	V	/	463
HD	192909	OD46B	20 13 55.4	+47 33 36	4.2		K5 V	39	SWP 13861	H	L	0	028 00	81 121	17 45	G	81/330	C=200,B=70
HD	192909	OD46B	20 13 55.4	+47 33 35	4.2		K5 IB	47	LWR 11322	H	L	0	020 00	81 226	16 52	G	82/074	E=1.5X,C=200,B=50
HD	192909	OD46B	20 13 55.4	+47 33 35	4.2		K5 IB	47	SWP 14759	H	L	0	030 00	81 226	17 17	G	82/074	E=173,C=190,B=52
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	LWR 10273	H	L	0	060 00	81 092	23 26	G	81/302	E=2-3X,C=145,B=87
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	SWP 13646	H	L	0	060 00	81 093	00 32	G	81/302	E=192,C=128,B=93
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	SWP 13654	L	L	0	002 00	81 094	18 27	G	81/301	E=103,C=30,B=20
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	LWR 10285	H	L	0	060 00	81 094	18 34	G	81/301	E=2X,C=110,B=60
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	SWP 13655	H	L	0	100 00	81 094	19 39	G	81/301	E=240,C=115,B=100
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	SWP 13670	H	L	0	100 00	81 096	18 30	G	81/308	E=200,C=100,B=82
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	LWR 10298	H	L	0	060 00	81 096	20 15	G	81/308	E=2X,C=100,B=58
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	SWP 13671	L	L	0	000 19	81 096	21 20	G	81/308	E=30,C=28,B=13
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	48	LWR 10324	L	L	0	000 10	81 099	18 44	G	81/308	E=74,C=68,B=27
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 III	48	SWP 13690	H	L	0	100 00	81 099	18 49	G	81/308	E=232,B=73
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 III	48	LWR 10325	H	L	0	060 00	81 099	20 34	G	81/308	C=125,B=50
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10336	L	L	0	000 10	81 101	20 17	G	81/312	E=111,C=80,B=26
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	SWP 13699	H	L	0	060 00	81 101	20 22	G	81/312	E=102,C=80,B=31
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10339	H	L	0	040 00	81 101	23 31	G	81/312	E=MG2,C=200,B=30
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10358	H	L	0	021 00	81 105	18 40	G	81/314	E=1X,C=165,B=35
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	SWP 13720	H	L	0	038 00	81 105	19 07	G	81/314	C=185,B=45
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10359	H	L	0	018 00	81 105	19 51	G	81/315	E=1X,C=150,B=32
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10362	H	L	0	021 00	81 106	00 22	G	81/314	E=4X,C=150,B=32
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	SWP 13724	H	L	0	038 00	81 106	00 51	G	81/315	C=172,B=35
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10363	H	L	0	012 00	81 106	01 34	G	81/314	E=191,C=125,B=30
HD	192909	OD46B	20 13 55.5	+47 33 36	4.2		K5 IB	39	LWR 10373	H	L	0	015 00	81 107	18 32	G	81/326	E=2X,C=150,B=31

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	39	SWP 13740	H	L	0	038	00	81	107	18	52	G	81/326	C=182,B=44
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	39	LWR 10374	H	L	0	020	00	81	107	19	34	G	81/326	E=8X,C=185,B=32
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	39	SWP 13743	H	L	0	060	00	81	107	23	24	G	81/326	C=250,B=70
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	39	LWR 10377	H	L	0	020	00	81	108	00	29	G	81/315	E=7X,C=170,B=35
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	V	39	LWR 10378	H	L	0	012	00	81	108	01	29	G	81/315	E=215,C=130,B=30
HD	192909	OD468	20	13	55.5	+47	33	36	4.4		K5	IB	48	LWR 10384	H	L	0	020	00	81	109	18	30	G	81/327	E=8X,C=185,B=31
HD	192909	OD468	20	13	55.5	+47	33	36	4.4		K5	IB	48	SWP 13752	H	L	0	035	00	81	109	18	54	G	81/326	C=170,B=35
HD	192909	OD468	20	13	55.5	+47	33	36	4.4	E0.44	K5	IB	48	LWR 10406	H	L	0	015	00	81	111	19	09	G	81/322	E=1,C=150,B=32
HD	192909	OD468	20	13	55.5	+47	33	36	4.4	E0.44	K5	IB	48	SWP 13772	H	L	0	030	00	81	111	19	38	G	81/320	C=160,B=42
HD	192909	OD468	20	13	55.5	+47	33	36	4.4		K5	IB	48	LWR 10442	H	L	0	015	00	81	115	19	18	G	81/328	E=3X,C=180,B=73
HD	192909	OD468	20	13	55.5	+47	33	36	4.4		K5	IB	48	SWP 13806	H	L	0	030	00	81	115	19	47	G	81/326	C=1.5X,B=145
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	V	39	SWP 13860	H	L	0	038	00	81	121	16	23	G	81/330	C=220,B=75
HD	192909	OD468	20	13	55.5	+47	33	36	4.2		K5	V	39	LWR 10494	H	L	0	016	00	81	121	17	16	G	81/330	E=270,C=160,B=43
	32 CYGNI	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	48	SWP 13998	H	L	0	017	00	81	139	21	17	G	81/355	C=190,B=100
	32 CYGNI	OD468	20	13	55.5	+47	33	36	4.2		K5	IB	48	LWR 10656	H	L	0	011	00	81	139	21	47	G	81/355	E=226,C=160,B=56
	ALP CAP	RSPTD	20	14	52.5	-12	39	50	4.26	E0.16	G3	IB	45	LWR 12040	L	L	0	005	00	81	327	08	48	G	82/174	E=255,C=220,B=40,TRL
	V794 AQL	CVDPS	20	14	54.0	-03	49	12	15.5				63	SWP 15266	L	L	0	120	00	81	287	23	05	G	82/131	E=75,C=63,B=30
	V794 AQL	CVDHB	20	14	56.6	-03	49	11	15.0				63	SWP 14708	L	L	0	060	00	81	222	06	27	G	82/066	C=45,B=35
	V794 AQL	CVDPS	20	14	56.6	-03	49	12	15.5				63	LWR 11782	L	L	0	060	00	81	288	01	08	G	82/131	C=75,B=33
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15574	H	L	0	090	00	81	332	04	23	G	82/178	E=205,C=150,B=65
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15575	L	L	0	004	35	81	332	06	21	G	82/174	E=195,C=105,B=30,TRL
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15582	H	L	0	100	00	81	333	04	42	G	82/186	E=222,C=150,B=74
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15583	L	L	0	005	00	81	333	06	50	G	82/186	E=199,C=110,B=25,TRL
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.3	E0.52	WN		11	SWP 15589	L	L	0	001	30	81	333	11	45	G	82/178	E=255,C=98,B=25
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15596	H	L	0	095	00	81	334	04	48	G	82/180	E=233,C=160,B=73
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15597	L	L	0	001	30	81	334	06	49	G	82/178	E=215,C=100,B=26
HD	193077	WRDLA	20	15	08.6	+37	16	04	8.2	E0.40	WN		11	SWP 15603	L	L	0	001	35	81	334	11	49	G	82/180	E=237,C=110,B=30
	P CYG	HSDRH	20	15	56.5	+37	52	36	4.8	E0.64	B1	IA	23	LWR 10957	L	L	0	000	03	81	178	13	49	G	82/026	C=240,B=55
	P CYG	HSDRH	20	15	56.5	+37	52	36	4.8	E0.64	B1	IA	23	SWP 14343	L	L	0	000	02	81	178	13	53	G	82/026	C=45,B=22
	P CYG	HSDRH	20	15	56.5	+37	52	36	4.8	E0.64	B1	IA	23	LWR 10972	L	L	0	000	16	81	181	13	36	G	82/031	C=225,B=27,TRLD
	P CYG	HSDRH	20	15	56.5	+37	52	36	4.8	E0.64	B1	IA	23	SWP 14362	L	L	0	001	00	81	181	13	44	G	82/031	C=190,B=22,TRLD
	H 193576	UK480	20	17	42.0	+38	34	00	8.3				11	SWP 14553	H	L	0	090	00	81	206	20	45	V	/	331
	HD193576	UK480	20	17	42.0	+38	34	00	8.3				11	SWP 14714	L	L	0	003	00	81	222	19	59	V	/	451
	HD193576	UK480	20	17	42.0	+38	24	00	08.0				10	SWP 15045	L	L	0	003	00	81	262	19	26	V	/	341
HD	193576	WRDLA	20	17	42.0	+38	34	24	8.3	E0.52	WN		11	SWP 15580	L	L	0	006	00	81	332	10	20	G	82/174	E=2X,C=154,B=26
HD	193576	WRDLA	20	17	42.0	+38	34	24	8.3	E0.52	WN		11	SWP 15580	L	S	0	005	00	81	332	10	31	G	82/174	E=157,C=82,B=26
HD	193576	CBDJE	20	17	42.5	+38	34	23	8.1	E01.0	06		11	SWP 13832	L	L	0	010	00	81	118	23	26	G	81/328	E=2X,C=220,B=27
HD	193576	WRDJE	20	17	42.5	+38	34	23	8.1	E1.00	06		11	SWP 13849	L	L	0	013	00	81	120	14	25	G	81/333	E=12X,C=1.3X,B=30
HD	193576	WRDLA	20	17	42.5	+38	34	23	8.3	E0.52	WN		11	SWP 15602	L	L	0	006	00	81	334	11	12	G	82/180	E=1.1X,C=145,B=26
HD	193576	CBDJE	20	17	42.6	+38	34	24	0.8	E0.10	06		11	LWR 10463	L	L	0	004	00	81	118	23	17	G	81/328	C=1.5-2X,B=25

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15347	L	L	0	005	00	81	303	22	48	G	82	150	E=231,C=130,B=30
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11865	L	L	0	002	30	81	303	22	58	G	82	150	C=1.1X,B=27
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15360	L	L	0	005	00	81	306	04	20	G	82	150	E=209,C=130,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11882	L	L	0	002	30	81	306	04	31	G	82	151	E=216,C=200,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15361	L	L	0	005	00	81	306	05	04	G	82	151	E=227,C=120,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11883	L	L	0	010	00	81	306	05	33	G	82	151	C=4X,B=26
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15367	L	L		005	00	81	307	04	37	G	82	151	E=220,C=143,B=13
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15387	L	L	0	005	00	81	308	20	30	G	82	151	E=221,C=105,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15388	L	L	0	005	00	81	308	21	01	G	82	151	E=210,C=115,B=18
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15389	L	L	0	005	00	81	308	21	31	G	82	151	E=232,C=105,B=23
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15390	L	L	0	005	00	81	308	22	02	G	82	151	E=229,C=105,B=23
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11918	L	L	0	002	30	81	308	22	11	G	82	151	C=200,B=23
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15391	L	L	0	005	00	81	308	22	48	G	82	151	E=244,C=105,B=22
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15392	L	L	0	005	00	81	308	23	19	G	82	151	E=242,C=107,B=22
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15393	L	L	0	005	00	81	308	23	49	G	82	151	E=234,C=110,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15394	L	L	0	005	00	81	309	00	19	G	82	154	E=226,C=112,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15396	L	L	0	005	00	81	309	02	23	G	82	154	E=232,C=120,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15397	L	L	0	005	00	81	309	02	53	G	82	154	E=228,C=125,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15398	L	L	0	005	00	81	309	03	25	G	82	154	E=240,C=125,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15399	L	L	0	005	00	81	309	03	55	G	82	154	E=247,C=139,B=26
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15400	L	L	0	005	00	81	309	04	24	G	82	154	E=244,C=131,B=22
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15401	L	L	0	005	00	81	309	04	55	G	82	151	E=255,C=130,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15402	L	L	0	005	00	81	309	05	24	G	82	151	E=233,C=132,B=21
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15403	L	L	0	005	00	81	309	05	53	G	82	151	E=227,C=134,B=20
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15404	L	S	0	020	00	81	309	06	24	G	82	159	E10X,C=210,B=30
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15405	L	L	0	005	00	81	309	07	09	G	82	151	E=253,C=139,B=21
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15406	L	L	0	005	00	81	309	07	39	G	82	154	E=235,C=138,B=21
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15407	L	L	0	005	00	81	309	08	09	G	82	154	E=242,C=147,B=23
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15415	L	L	0	005	00	81	310	04	26	G	82	154	E=2X,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11926	L	L	0	002	30	81	310	04	57	G	82	159	C=260,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15416	L	L	0	005	00	81	310	05	03	G	82	159	E=2X,C=149,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15422	L	L	0	005	00	81	310	20	30	G	82	154	E=238,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15423	L	L	0	005	00	81	310	21	00	G	82	154	E=239,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	LWR 11931	L	L	0	002	30	81	310	21	29	G	82	154	C=30%X,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15424	L	L	0	005	00	81	310	21	48	G	82	154	E=246,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15425	L	L	0	005	00	81	310	22	26	G	82	159	E=238,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15426	L	L	0	005	00	81	310	22	54	G	82	159	E=236,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15427	L	L	0	005	00	81	310	23	22	G	82	159	E=232,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15428	L	L	0	005	00	81	310	23	50	G	82	159	E=217,C=140,B=25
HD	193576	WRDJE	20	17	42.6	+38	34	24	8.0	E0.98	06 V	11	SWP 15429	L	L	0	005	00	81	311	00	19	G	82	154	E=228,C=140,B=25

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15430	L	L	0	005 00	81 311	00 46	G	82/154	E=233,C=135,B=25
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15431	L	L	0	005 00	81 311	01 19	G	82/154	E=227,C=135,B=25
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15432	L	L	0	005 00	81 311	01 57	G	82/154	E=224,C=135,B=25
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15433	L	L	0	005 00	81 311	02 28	G	82/159	E=223,C=140,B=25
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15434	L	L	0	005 00	81 311	02 57	G	82/159	E=239,C=140,B=25
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15435	L	L	0	005 00	81 311	03 26	G	82/159	E=233,C=138,B=28
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15436	L	L	0	005 00	81 311	04 04	G	82/159	E=229,C=142,B=20
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15437	L	L	0	005 00	81 311	04 34	G	82/158	E=240,C=148,B=20
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15438	L	L	0	005 00	81 311	05 02	G	82/158	E=1X,C=140,B=21
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15441	L	L	0	005 00	81 311	08 15	G	82/154	E=1X,C=144,B=20
HD 193576	WRDJE	20 17 42.6	+38 34 24	8.0	E0.98	O6 V	11	SWP 15442	L	L	0	005 00	81 311	08 44	G	82/154	E=1X,C=136,B=26
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.00	O6	11	SWP 13848	L	L	0	005 00	81 120	13 44	G	81/333	E=184,C=130,B=26
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.00	O6	11	LWR 10481	L	L	0	002 29	81 120	13 55	G	81/333	C=250,B=25
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.0	E0.98	O6 V	11	LWR 11891	L	L	0	002 30	81 307	04 47	G	82/151	C=195,B=28
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.00	WN	11	SWP 15368	L	L	0	005 00	81 307	05 19	G	82/151	E=229,C=136,B=26
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.0	WN	11	SWP 15380	L	L	0	005 00	81 308	06 19	G	82/154	E=239,C=141,B=27
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.0	WN	11	LWR 11911	L	L	0	002 30	81 308	06 28	G	82/154	C=265,B=24
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.0	WN	11	SWP 15381	L	L	0	005 00	81 308	06 56	G	82/154	E=244,C=138,B=26
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.0	E0.98	O6 V	11	SWP 15408	L	L	0	005 00	81 309	08 45	G	82/154	E=254,C=144,B=25
HD 193576	WRDJE	20 17 42.9	+38 34 23	8.1	E1.0	O6	11	SWP 15444	L	L	0	005 00	81 311	11 23	G	82/154	E=251,C=138,B=25
HD 193576	CBDJE	20 17 43.0	+38 34 24	8.1	E01.0	O6	11	LWR 10464	L	L	0	002 00	81 118	23 54	G	81/328	C=200,B=25
HD 193576	WRDLA	20 17 49.0	+38 34 24	8.3	E0.52	WN	11	SWP 15588	L	L	0	006 00	81 333	11 10	G	82/178	E=3X,C=146,B=26
IC 4997	NPDWF	20 17 51.0	+16 34 27	11.5			70	SWP 14400	L	L	0	030 00	81 186	05 35	G	82/033	E=2X,C=90,B=18
IC 4997	NPDWF	20 17 51.0	+16 34 27	11.5			70	LWR 11011	L	L	0	030 00	81 186	06 09	G	82/033	E=232,C=222,B=33
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4	E0.51	O5	12	SWP 14010	L	S	0	012 00	81 140	22 29	G	81/356	C=165,B=30
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4	E0.51	O5	12	SWP 14010	L	L	0	003 00	81 140	22 53	G	81/356	C=218,B=30
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4	E0.51	O5	12	LWR 10663	L	S	0	012 00	81 140	23 16	G	81/356	C=255,B=30
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4	E0.51	O5	12	LWR 10663	L	L	0	003 00	81 140	23 32	G	81/356	C=255,B=30
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4		O5	12	LWR 11597	L	L	0	013 00	81 264	08 52	G	82/109	C=2-3X,B=25
HD 193682	IEDBS	20 18 18.0	+37 40 20	8.4		O5	12	LWR 11597	L	S	0	006 00	81 264	09 11	G	82/109	C=243,B=27
NOVA VUL	AA545	20 19 01.0	+21 25 00	8.9			63	LWR 11232	L	L	0	030 00	81 215	23 30	V	/	501
NOVVUL79	CVDCW	20 19 01.1	+21 24 43	14.9	E0.10	F5 V	63	LWR 11539	L	L	0	013 00	81 257	07 31	G	82/102	C=112,B=22
NOVVUL79	CVDCW	20 19 01.1	+21 24 43	14.9	E0.10	F5 V	63	LWR 11627	L	L	0	120 00	81 270	17 21	G	82/118	C=4.5X,B=39
NOVVUL79	CVDCW	20 19 01.1	+21 24 43	14.9	E0.10	F5 V	63	LWR 12036	L	L	0	040 00	81 326	22 55	G	82/174	C=215,B=26
NOVVUL79	CVDCW	20 19 01.8	+21 24 55	14.9	E0.10	F5 V	63	SWP 15110	L	L	0	265 00	81 270	19 25	G	82/118	C=89,B=53
PU VUL	CVDCW	20 19 01.8	+21 24 55				63	LWR 11628	L	L	0	030 00	81 271	07 10	G	82/118	C=210,B=28
NGC 6905	NPDWF	20 20 08.5	+19 56 39	13.0			70	SWP 14401	L	L	0	030 00	81 186	07 08	G	82/033	E=231,C=155,B=17
NGC 6905	NPDWF	20 20 08.5	+19 56 39	13.0			70	LWR 11012	L	L	0	030 00	81 186	07 46	G	82/033	E=204,C=98,B=34
HD 194152	XSDRS	20 20 27.3	+45 38 00	6.1		KO III	45	SWP 14365	L	L	0	146 00	81 181	18 53	G	82/031	C=85,B=58
HD 194152	XSDRS	20 20 27.3	+45 38 00	6.1		KO III	45	LWR 10975	H	L	0	025 00	81 181	21 23	G	82/031	C=70,B=27

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	194153	DBDAW	20 20 44.0	+37 58 01	8.5	E1.28	B1 IAB	23	SWP 14526	L	L	0	068 00	81 200	17 44	G	82/046	C=100,B=30
HD	194153	DBDAW	20 20 44.0	+37 58 01	8.5	E1.28	B1 IAB	23	LWR 11097	L	L	0	012 00	81 200	19 01	G	82/046	C=215,B=30
HD	194153	DBDAW	20 20 44.0	+37 58 01	8.5	E1.28	B1 IAB	23	LWR 11097	L	S	0	030 00	81 200	19 17	G	82/046	C=197,B=30
HD	194153	DBDAW	20 20 44.0	+37 58 01	8.5	E1.28	B1 IAB	23	LWR 11106	L	L	0	045 00	81 202	12 53	G	82/046	C=3X,B=30
HD	229196	IEDBS	20 21 24.0	+40 42 48	8.5	E1.22	05	12	SWP 14009	L	L	0	025 00	81 140	21 13	G	81/358	E=177,C=190,B=90
HD	229196	IEDBS	20 21 24.0	+40 42 48	8.5	E1.22	05	12	LWR 10662	L	S	0	016 00	81 140	21 44	G	81/356	C=255,B=45
HD	229196	IEDBS	20 21 24.0	+40 42 48	8.5	E1.22	05	12	LWR 10662	L	L	0	004 00	81 140	22 09	G	81/356	C=185,B=45
HD	229196	IEDBS	20 21 24.0	+40 42 48	8.5		05	12	LWR 11596	L	L	0	000 25	81 264	08 14	G	82/109	C=72,B=22
HD	229196	IEDBS	20 21 24.0	+40 42 48	8.5		05	12	LWR 11613	L	L	0	035 00	81 266	15 37	G	82/111	C=2X,B=26
	CM DEL	CVDHB	20 22 39.9	+17 08 07	13.4			63	SWP 14707	L	L	0	060 00	81 222	02 39	G	82/070	E=101,C=100,B=30
	CM DEL	CVDHB	20 22 39.9	+17 08 06	13.4			63	LWR 11282	L	L	0	090 00	81 222	03 46	G	82/066	C=200,B=35
	CM DEL	CVDPS	20 22 39.9	+17 08 06	13.4			63	LWR 11793	L	L	0	080 00	81 290	00 00	G	82/136	E=154,C=140,B=33
	CM DEL	CVDPS	20 22 39.9	+17 08 06	13.4			63	SWP 15280	L	L	0	110 00	81 290	01 24	G	82/136	E=123,C=105,B=38
	S 106	CE551	20 25 33.0	+37 13 00	16.0			72	SWP 14386	L	L	0	402 00	81 183	21 05	V	/	114
	S 106	CE551	20 25 33.0	+37 13 00	16.0			72	LWR 10996	L	L	0	360 00	81 183	21 08	V	/	009 SERENDIPITY
HD	195325	BEDAS	20 27 54.3	+10 43 38	5.9		B8	60	LWR 11991	H	S	0	030 00	81 322	10 27	G	82/165	C=220,B=45
HD	195325	BEDAS	20 27 54.3	+10 43 38	5.9		B8	60	SWP 15514	H	S	0	048 00	81 322	11 01	G	82/165	C=225,B=45
	A 70	MP348	20 28 54.0	-07 16 00	15.0			70	SWP 13765	L	L	0	150 00	81 111	02 41	V	/	221
	A 70	MP348	20 28 54.0	-07 16 00	15.0			70	LWR 10397	L	L	0	028 00	81 111	05 17	V	/	001
	D+404220	UK410	20 30 35.0	+41 08 00	9.2			12	LWR 10500	L	L	0	260 00	81 122	01 38	V	/	705
	2032+24	IMDFB	20 32 12.0	+24 53 48	11.5		WD	37	SWP 14415	H	L	0	250 00	81 188	04 55	G	82/033	C=175,B=62
BD	+41 3807	DBDAW	20 32 20.9	+41 26 23	10.0	E1.75	06	12	LWR 11105	L	L	0	180 00	81 202	04 33	G	82/046	C=1.5X,B-34
BD	+41 3807	DBDAW	20 32 31.0	+41 26 24	10.0	E1.75	06	12	SWP 14532	L	L	0	300 00	81 202	07 39	G	82/046	E=107,C=110,B=65
	N 6949	GP613	20 33 49.0	+59 59 00	11.1			80	LWR 10739	L	L	0	120 00	81 149	00 56	V	/	101
	N 6949	GP613	20 33 49.0	+59 59 00	11.1			80	SWP 14107	L	L	0	049 00	81 149	03 03	V	/	101
	H 196755	CZ502	20 36 42.0	+09 54 00	5.0			44	SWP 13999	L	L	0	040 00	81 140	00 27	V	/	301
HD	196867	RPSTD	20 37 18.8	+15 44 04	3.77	E0.01	B9 V	22	LWR 12025	L	L	0	000 05	81 326	05 29	G	82/174	C=210,B=30,TRLD
HD	196867	RPSTD	20 37 18.8	+15 44 04	3.77	E0.01	B9 V	22	SWP 15545	L	L	0	000 08	81 326	05 38	G	82/174	C=210,B=30,TRLD
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	LWR 11193	L	L	0	015 00	81 211	02 04	V	/	472
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	SWP 14598	L	L	0	030 00	81 211	02 23	V	/	231
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	LWR 11194	L	L	0	010 00	81 211	02 58	V	/	351
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	SWP 14599	L	L	0	017 00	81 211	03 30	V	/	231
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	LWR 11202	L	L	0	010 00	81 212	21 56	V	/	362
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	SWP 14609	L	L	0	030 00	81 212	22 10	V	/	331
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	LWR 11203	L	L	0	010 00	81 212	22 44	V	/	363
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	SWP 14610	L	L	0	030 00	81 212	23 14	V	/	350
	AE AQR	GK570	20 37 34.0	-01 03 00	11.5			54	LWR 11204	L	L	0	010 00	81 212	23 51	V	/	572
HD	197018	BPDKR	20 37 43.4	+40 24 06	6.0		B6	27	SWP 14092	H	L	0	008 00	81 147	22 51	G	81/361	C=190,B=30
HD	197018	BPDKR	20 37 43.4	+40 24 06	6.0		B6	27	LWR 10731	H	L	0	006 00	81 147	23 05	G	81/361	C=200,B=35
HD	197018	BPDKR	20 37 43.4	+40 24 00	6.0		B6	27	SWP 14093	L	L	0	000 37	81 147	23 33	G	81/361	C=240,B=30,TRLD

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST	ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 197018	BPDKR	20 37 45.0	+40 24 06	6.0	E0.00	B6	27	SWP 14050	L	L	0	001 51	81 144	20 43	G		81/361	E=216,C=210,B=28,TRL
HD 197018	BPDKR	20 37 45.0	+40 24 06	6.0		B6	27	LWR 10697	L	L	0	001 51	81 144	21 16	G		81/361	C=225,B=30
HD 197018	BPDKR	20 37 45.0	+40 24 06	6.0		B6	27	SWP 14051	H	L	0	009 00	81 144	21 25	G		81/361	C=230,B=65
HD 197018	BPDKR	20 37 45.0	+40 24 06	6.0		B6	27	LWR 10698	H	L	0	008 00	81 144	21 53	G		81/361	C=240,B=45
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2	E0.86	G8	44	LWR 11885	L	L	0	005 00	81 306	08 11	G		82/151	E=232,C=160,B=25
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2	E0.86	G8	44	LWR 11886	L	L	0	007 00	81 306	08 56	G		82/151	E=255,C=200,B=25
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2	E0.86	G8	44	LWR 11887	L	L	0	007 00	81 306	09 33	G		82/151	E=255,C=200,B=25
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2	E0.86	G8	44	LWR 11888	L	L	0	007 00	81 306	10 30	G		82/151	E=222,C=200,B=30
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2	E0.86	G8	44	LWR 11889	L	L	0	007 00	81 306	11 22	G		82/151	E=253,C=210,B=28
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2		G8	44	LWR 11892	L	L	0	007 00	81 307	06 11	G		82/151	E=214,C=178,B=22
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2*		G8	44	LWR 11893	L	L	0	007 00	81 307	06 50	G		82/151	E=187,C=155,B=25
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2*		G8	44	LWR 11894	L	L	0	007 00	81 307	07 34	G		82/151	E=207,C=197,B=32
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2*		G8	44	LWR 11895	L	L	0	007 00	81 307	08 15	G		82/151	E=253,C=210,B=26
HD 197433	CBDJE	20 38 02.9	+75 24 57	7.2*		G8	44	LWR 11896	L	L	0	007 00	81 307	08 56	G		82/151	E=246,C=205,B=32
HD197406	UK473	20 39 54.0	+52 25 00	10.5			26	SWP 15138	L	L	0	040 00	81 273	18 26	V		/	441
H 197406	UK480	20 39 54.0	+52 25 00	10.5			11	SWP 14555	L	L	0	025 00	81 206	23 41	V		/	331
HD197406	UK480	20 39 54.0	+52 25 00	10.5			11	SWP 14713	L	L	0	050 00	81 222	18 26	V		/	451
HD 197406	WRDPM	20 39 54.1	+52 24 33	10.5		WN	11	LWR 10755	L	L	0	012 00	81 151	13 32	G		82/003	C=175,B=25
HD 197406	WRDPM	20 39 54.1	+52 24 33	10.5		WN	11	SWP 14131	L	L	0	012 00	81 151	14 00	G		82/003	C=62,B=30
HD 197406	WRDPM	20 39 54.1	+52 24 33	10.5		WN7	11	SWP 14145	L	L	0	040 00	81 152	14 32	G		81/363	E=171,C=170,B=50
HD 197406	WRDPM	20 39 54.1	+52 24 33	10.5	E0.62	WN	11	SWP 14171	L	L	0	040 00	81 154	14 10	G		82/004	E=161,C=152,B=45
HD 197406	WRDPM	20 39 54.1	+52 24 33	10.5	E0.62	WN	11	SWP 14177	L	L	0	037 00	81 154	21 12	G		82/005	E=161,C=145,B=35
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	SWP 14523	L	S	0	004 14	81 200	12 31	G		82/046	E=255,C=250,B=18
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	SWP 14523	L	L	0	001 24	81 200	12 40	G		82/046	E=226,C=180,B=18
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	LWR 11094	L	L	0	001 17	81 200	12 45	G		82/046	C=1.5X,B=32
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	LWR 11094	L	S	0	008 00	81 200	12 53	G		82/046	C=4-5X,B=32
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	LWR 11184	L	S	0	006 29	81 210	18 40	G		82/054	C=2-2.5X,B=44
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	LWR 11184	L	L	0	004 00	81 210	18 52	G		82/054	C=230,B=44,TRLD
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	SWP 14588	L	S	0	005 00	81 210	19 08	G		82/054	C=1.5X,B=30
HD 197512	DBDAW	20 40 36.0	+49 33 14	8.1	E0.85	B1 V	20	SWP 14588	L	L	0	006 07	81 210	19 18	G		82/054	C=210,B=30
IV+10009	HSDJD	20 40 38.2	+10 23 20	12.0		O7 SD	16	SWP 14813	L	L	0	003 20	81 237	16 23	G		82/084	C=210, B=16
IV+10009	HSDJD	20 40 38.2	+10 23 20	12.0		O7 SD	16	LWR 11413	L	L	0	005 40	81 237	16 31	G		82/084	C=235,B=26
MKN509	GHDDY	20 41 26.2	-10 54 17	13.0		BO V	84	SWP 13708	H	L	0		81 103	13 09	G		81/312	C=250,B=152,EXP=1200
HD 197989	LGDTS	20 44 11.2	+33 46 55	2.4		KO III	47	LWR 11399	H	L	0	015 00	81 234	10 40	G		82/084	E=212,C=252,B=34
HD 197989	LGDTS	20 44 11.2	+33 46 55	2.4		KO III	47	SWP 15222	L	L	0	080 00	81 283	01 46	G		82/126	E=109,C=100,B=40
HD 198149	MGDDM	20 44 16.0	+61 38 00	3.4		KO IV	46	LWR 11709	H	L	0	040 00	81 280	02 51	G		82/124	E=255,C=1.5X,B=35
H 198183	UK409	20 45 28.0	+36 18 00	4.5			22	LWR 10802	H	L	0	001 30	81 158	02 28	V		/	502
H 198183	UK409	20 45 28.0	+36 18 00	4.5			22	SWP 14209	H	L	0	002 00	81 158	02 56	V		/	501
HD 198287	CBDMP	20 46 06.0	+39 06 00	7.4	E0.85	B9 II	39	LWR 11234	L	L	0	015 00	81 216	02 22	G		82/059	C=250,B=25
HD 198287	CBDMP	20 46 06.0	+39 06 00	7.4	E0.85	B9 II	39	SWP 14643	L	L	0	070 00	81 216	02 44	G		82/059	E=188,C=125,B=42

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	DB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
NGC 6960	NSDJR	20 47 07.7	+30 34 06	0.0			75	SWP 13761	L	L	0	370 00	81 110	11 43	G	81/326	E=98,C=100,B=62
NGC 6960	NSDJR	20 47 07.7	+30 34 06	0.0			75	LWR 10394	L	L	0	235 00	81 110	11 45	G	81/326	C=50,B=45
NGC 6960	NSDJR	20 47 07.7	+30 34 06	0.0			75	FES 1324	S	2		020 00	81 110	12 03	G	81/315	NO COMMENTS
NGC 6960	NSDJR	20 47 07.7	+30 34 06	0.0			75	FES 1325	D	2		010 00	81 110	12 03	G	81/315	NO COMMENTS
H 198478	UK410	20 47 14.0	+45 56 00	4.9			23	SWP 13907	H	L	0	035 00	81 126	07 14	V	/	501
ABELL 72	NPDJK	20 47 40.1	+13 22 15	16.12		SD	70	SWP 14212	L	L	0	070 00	81 158	15 08	G	82/005	C=150,B=50
HBV 475	NPDWF	20 49 02.5	+35 23 36	12			70	SWP 14403	L	L	0	009 00	81 186	11 40	G	82/033	E=41,B=21
V1329CYG	NPDWF	20 49 02.6	+35 23 37	12.8		PN	70	SWP 13706	H	L	0	155 00	81 102	15 18	G	81/312	E=87,B=40
V1329CYG	ZADAM	20 49 02.6	+35 23 37	14.0		II	57	SWP 15593	L	L	0	040 00	81 333	20 40	G	82/178	E=128,C=54,B=23
HBV 475	AA545	20 49 03.0	+35 24 00	00.0			57	SWP 14642	L	L	0	050 00	81 216	00 29	V	/	241
HBV 475	AA545	20 49 03.0	+35 24 00	00.0			57	LWR 11233	L	L	0	023 00	81 216	01 23	V	/	231
HBV 475	HN530	20 49 03.0	+35 23 00	12.8			57	SWP 13857	L	L	0	040 00	81 121	04 39	V	/	041
HBV 475	HN530	20 49 03.0	+35 23 00	12.8			57	LWR 10491	L	L	0	020 00	81 121	05 23	V	/	231
HBV 475	HN530	20 49 03.0	+35 23 00	12.8			57	SWP 13858	H	L	0	109 00	81 121	05 58	V	/	021
HBV 475	HN600	20 49 03.0	+35 24 00	13.3			57	LWR 11265	H	L	0	170 00	81 219	19 18	V	/	124 MICROPHONICS
HBV 475	HN600	20 49 03.0	+35 24 00	13.3			57	SWP 14687	H	L	0	042 30	81 219	22 13	V	/	110
HBV 475	HN600	20 49 03.0	+35 24 00	13.3			57	LWR 11266	L	L	0	070 00	81 219	23 06	V	/	343 MICROPHONICS
HBV 475	HN600	20 49 03.0	+35 24 00	13.3			57	SWP 14688	L	L	0	087 00	81 220	00 20	V	/	151
HD 198667	NSDNT	20 49 30.0	-05 41 44	5.5		B9	25	SWP 14045	H	L	0	011 00	81 144	14 39	G	81/361	C=228,B=57
HD 199280	NSDNT	20 53 41.3	-03 45 15	6.47		B9	22	SWP 14046	H	L	0	015 00	81 144	15 22	G	82/007	NO COMMENTS
NGC 6960	NSDJR	20 55 14.3	+30 52 54	0.0			75	FES 1326	D	2		000 20	81 110	01 21	G	81/315	NO COMMENTS
NGC 6960	NSDJR	20 55 17.4	+30 52 54	0.0			75	SWP 13764	L	L	0	140 00	81 110	23 26	G	81/320	E=100,B=41
NU CYG	RSPTD	20 55 18.3	+40 58 25	3.94	E0.03	A0 V	30	LWR 12039	L	L	0	000 10	81 327	06 24	G	82/174	C=230,B=30,TRLD
NU CYG	RSPTD	20 55 18.3	+40 58 25	3.94	E0.03	A0 V	30	SWP 15556	L	L	0	000 24	81 327	06 33	G	82/174	C=220,B=22,TRLD
HD 199837	NSDJR	20 56 39.2	+31 27 10	7.2	E0.02	B8 III	25	LWR 10395	H	L	0	045 00	81 110	18 07	G	81/320	C=300,B=50
HD 199837	NSDJR	20 56 39.2	+31 27 10	7.2	E0.02	B8 III	25	SWP 13762	H	L	0	060 00	81 110	18 56	G	81/320	C=225,B=50
HD200120	UK480	20 58 00.0	+47 19 00	4.7			26	SWP 14761	H	L	0	001 10	81 226	19 02	V	/	551
HD200120	UK480	20 58 00.0	+47 19 00	4.7			26	LWR 11323	L	L	0	000 01	81 226	19 06	V	/	550
HD200120	UK480	20 58 00.0	+47 19 00	4.7			26	SWP 14762	L	L	0	000 01	81 226	19 43	V	/	551
HD 200120	BEDGP	20 58 06.9	+47 19 29	4.7	E0.16	B1 V	20	SWP 14904	H	L	0	001 20	81 248	10 11	G	82/097	C=220,B=40
HD200120	UK475	20 58 07.0	+47 19 00	4.7			59	SWP 15253	H	L	0	001 10	81 286	18 58	V	/	501
HD200120	UK475	20 58 07.0	+47 19 00	4.7			59	LWR 11770	L	L	0	000 01	81 286	19 01	V	/	502 4-MIN HTR W-UP
H 200120	UK481	20 58 07.0	47 19 00	4.7			26	SWP 14272	H	L	0	001 10	81 168	00 12	V	/	501
H 200120	UK481	20 58 07.0	47 19 00	4.7			26	LWR 10889	L	L	0	000 01	81 168	00 16	V	/	502
H 200120	UK481	20 58 07.0	47 19 00	4.7			26	SWP 14273	L	L	0	000 01	81 168	00 43	V	/	501
HD200120	VD538	20 58 07.0	+47 20 00	04.7			20	SWP 15013	H	L	0	001 10	81 259	20 33	V	/	501
HD200120	VD538	20 58 07.0	+47 20 00	04.7			20	LWR 11566	H	L	0	001 20	81 259	21 04	V	/	502 MICROPHONICS
HD200120	VD538	20 58 07.0	+47 20 00	04.7			20	SWP 15014	L	L	0	000 01	81 259	21 35	V	/	501
HD200120	VD538	20 58 07.0	+47 20 00	04.7			20	SWP 15014	L	S	0	000 02	81 259	21 38	V	/	501
HD200120	VD538	20 58 07.0	+47 20 00	04.7			20	LWR 11567	L	L	0	000 01	81 259	21 42	V	/	502 MICROPHONICS

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	HD200120	VD538	20	58	07.0	+47	20	00	04.7				20	LWR 11567	L	S	0	000	02	81	259	21	46	V	/		502 MICROPHONICS
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.5	E0.16	B1	V	20	SWP 13723	H	L	0	001	19	81	106	00	06	G	81/314		C=225,B=35
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	V	20	SWP 13753	H	L	0	001	19	81	109	19	59	G	81/326		C=220,B=35
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	V	20	LWR 10385	L	L	0	000	01	81	109	20	05	G	81/326		C=205,B=25
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	V	20	LWR 10386	L	L	0	000	03	81	109	20	59	G	81/326		C=210,B=28,TRLD
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	V	20	SWP 13754	L	L	0	000	03	81	109	21	09	G	81/326		C=250,B=25,TRLD
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	IV	20	SWP 13755	L	L	0	000	01	81	109	21	37	G	81/322		C=240,B=22
	59 CYGNI	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	IV	20	SWP 13771	H	L	0	001	19	81	111	18	36	G	81/322		C=205,B=35
	59 CYG	BEDGP	20	58	07.3	+47	19	30	4.6	E0.16	B1	IV	20	SWP 13805	H	L	0	001	19	81	115	19	01	G	81/323		C=215,B=44
HD	200120	BEDGP	20	58	07.3	+47	19	29	04.7	E0.16	B1	V	20	SWP 14941	H	S	0	001	20	81	252	13	53	G	82/095		C=160,B=32
	59 CYG	WRDPM	20	58	07.3	+47	19	29	4.6		B1		23	SWP 14172	H	L	0	001	19	81	154	15	27	G	82/011		C=225,B=40
	59 CYGNI	BEDGP	20	58	07.4	+47	19	30	4.55	E0.16	B1	IV	20	SWP 13744	H	L	0	001	19	81	108	01	00	G	81/315		C=205,B=35
HD	200120	BEDGP	20	58	07.4	+47	19	30	4.5	E0.21	B1		26	SWP 14429	H	L	0	001	24	81	190	13	41	G	82/035		C=218,B=40
HD	200120	BEDGP	20	58	07.4	+47	19	30	4.5	E0.21	B1		26	LWR 11035	H	L	0	001	00	81	190	13	46	G	82/035		C=190,B=32
HD	200120	BEDGP	20	58	07.4	+47	19	30	4.5	E0.21	B1		26	SWP 15480	H	L	0	001	25	81	316	08	13	G	82/160		C=220,B=36
HD	200120	BEDGP	20	58	07.4	+47	19	30	4.5	E0.21	B1		26	LWR 11962	H	L	0	001	00	81	316	08	21	G	82/160		C=205,B=33
HD	200120	BEDGP	20	58	07.4	+47	19	30	4.5	E0.21	B1		26	SWP 15483	H	L	0	001	25	81	316	11	23	G	82/160		C=215,B=37
	ER VUL	UK412	21	00	16.0	+27	36	00	7.3				53	LWR 10642	L	L	0	004	00	81	138	04	10	V	/		603
	ER VUL	UK412	21	00	16.0	+27	36	00	7.3				53	LWR 10643	H	L	0	154	00	81	138	04	41	V	/		407
	ER VUL	UK412	21	00	16.0	+27	36	00	7.3				53	LWR 10644	L	L	0	004	00	81	138	07	41	V	/		602
HD	200391	RSDCB	21	00	16.4	+27	36	33	7.3		GO	V	39	LWR 11554	H	L	0	070	00	81	258	04	42	G	82/101		E=98,C=125,B=35
HD	200391	RSDCB	21	00	16.4	+27	36	33	7.3		GO	V	39	SWP 14998	L	L	0	100	00	81	258	07	19	G	82/102		E=1.5X,C=165,B=50
	ER VUL	UK407	21	00	17.0	+27	37	00	07.5				44	SWP 14922	L	L	0	177	00	81	250	20	50	V	/		532
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14394	L	S	0	007	00	81	185	13	39	G	82/033		E=173,C=150,B=28
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14395	L	S	0	015	00	81	185	14	38	G	82/033		E=112,C=54,B=35
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11006	L	S	0	040	00	81	185	15	23	G	82/033		E=150,C=100,B=54
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14396	L	S	0	040	00	81	185	16	31	G	82/033		E=200,C=125,B=89
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11007	L	S	0	060	00	81	185	17	19	G	82/033		E=165,C=150,B=82
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14397	L	S	0	025	00	81	185	18	25	G	82/033		E=133,C=90,B=81
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11008	L	S	0	050	00	81	185	18	56	G	82/033		C=90,B=45
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14404	L	S	0	080	00	81	186	12	34	G	82/033		E=3X,C=140,B=95
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11013	L	S	0	015	00	81	186	13	59	G	82/033		C=130,B=36
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14405	L	S	0	060	00	81	186	14	31	G	82/033		E=182,C=110,B=90
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11014	L	S	0	080	00	81	186	15	35	G	82/033		E=186,C=140,B=88
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	FES 1337	F	2		000	20	81	186	16	21	G	82/025		NO COMMENTS
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14406	L	S	0	030	00	81	186	17	16	G	82/033		E=233,C=100,B=82
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	LWR 11015	L	S	0	060	00	81	186	17	49	G	82/033		C=120,B=72
NGC	7009	NPDTB	21	01	29.8	-11	33	58	7.8	E0.0			71	SWP 14407	L	S	0	055	00	81	186	18	52	G	82/033		E=141,C=73,B=58
NGC	7009	NPDTB	21	01	29.9	-11	33	59	7.8	E0.0			71	SWP 14409	L	S	0	100	00	81	187	12	49	G	82/033		E=180,C=130,B=97
NGC	7009	NPDTB	21	01	29.9	-11	33	59	7.8	E0.0			71	LWR 11017	L	S	0	120	00	81	187	14	32	G	82/033		C=150,B=84

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	61 CYG A	CCDHJ	21	04	50.9	+38	31	38	5.2		K5	V	46	LWR 10841	L	L	0	002	00	81	164	06	28	G	82	014	E=171,C=92,B=22
	61 CYG A	CCDHJ	21	04	50.9	+38	31	38	5.2		K5	V	46	SWP 14244	L	L	0	120	00	81	164	06	33	G	82	011	B=27
	HD201345	HL593	21	05	52.0	+33	12	00	07.7				12	SWP 14824	H	S	0	030	00	81	238	19	54	V	/		301
	HD201345	UK437	21	05	52.0	+33	12	00	07.7				23	SWP 15004	H	L	0	020	00	81	258	22	35	V	/		501
	HD201345	UK437	21	05	52.0	+33	12	00	07.7				23	LWR 11560	H	L	0	013	00	81	258	22	59	V	/		502 MICROPHONICS
HD	201626	CBDDL	21	07	48.3	+26	24	38	8.16		R5	III	50	SWP 13926	L	L	0	166	00	81	128	13	03	G	81	348	B=45
HD	202109	CBDDL	21	10	48.3	+30	01	15	3.3		G8	III	45	SWP 15090	L	L	0	290	00	81	268	01	20	G	82	112	E=244,C=1.5X,B=53
	GD 394	QSDWS	21	11	02.9	+49	53	41	13.1			*	16	SWP 14296	L	L	0	007	29	81	172	15	15	G	82	039	C=231,B=17
	GD 394	QSDWS	21	11	02.9	+49	53	41	13.1		SD		16	LWR 10921	L	L	0	100	00	81	172	15	27	G	82	033	C=174,B=33
	GD 394	GV555	21	11	03.0	+49	54	00	13.1				37	SWP 14011	L	L	0	040	00	81	141	00	21	V	/		701
	GD 394	GV555	21	11	03.0	+49	54	00	13.1				37	LWR 10664	L	L	0	026	00	81	141	01	04	V	/		601
	GD 394	GV555	21	11	03.0	+49	54	00	13.1				37	SWP 14012	L	L	0	015	00	81	141	01	50	V	/		601
	GD 394	GV555	21	11	03.0	+49	54	00	13.1				37	LWR 10665	L	L	0	015	00	81	141	02	19	V	/		501
HD	202850	RPSTD	21	15	26.9	+39	11	03	4.23	E0.13	B9	IB	25	LWR 11614	L	L	0	000	11	81	266	23	12	G	82	111	C=222,B=25
HD	202850	RPSTD	21	15	26.9	+39	11	03	4.23	E0.13	B9	IAB	25	SWP 15099	L	L	0	000	27	81	268	23	00	G	82	111	C=190,B=28,TRLD
HD	202874	CSDHJ	21	16	52.2	-45	14	04					50	LWR 11842	L	L	0	210	00	81	299	01	04	G	82	146	E=235,C=120,B=51
HD	203387	MGDDM	21	19	27.8	-17	02	54	4.3	E0.01	G8	III	45	LWR 11764	H	L	0	063	00	81	286	00	32	G	82	126	E=1.5X,C=270,B=50
HD	204075	CBDEB	21	23	48.9	-22	37	44	3.7		G5	II	45	SWP 14920	H	L	0	435	00	81	250	00	43	G	82	095	E=173,C=160,B=80
	A 76	MP348	21	27	30.0	-03	01	00	14.5				70	SWP 13766	L	L	0	200	00	81	111	06	25	V	/		211
HD	204827	DBDAW	21	27	31.0	+58	31	11	7.9	E1.11	B0	V	20	SWP 14530	L	L	0	058	00	81	201	18	35	G	82	046	C=190,B=32
HD	204827	DBDAW	21	27	31.0	+58	31	11	7.9	E1.11	B0	V	20	LWR 11104	L	L	0	006	00	81	201	19	10	G	82	046	C=1.5X,B=25
HD	204827	DBDAW	21	27	31.0	+58	31	11	7.9	E1.11	B0	V	20	LWR 11107	L	L	0	018	00	81	202	14	11	G	82	046	C=3X,B=25
	K 559	VC548	21	27	34.0	+11	58	00	14.8				19	SWP 14897	L	L	0	090	00	81	247	17	31	V	/		400
	K 559	VC548	21	27	34.0	+11	58	00	14.8				19	LWR 11472	L	L	0	080	00	81	247	19	23	V	/		403
NGC	7078	IGDDY	21	27	35.9	+11	56	59	15.1		F3		83	LWP 1388	H	L	0	800	00	81	330	13	32	G	/		C=220,B=130
	K 996	VC548	21	27	43.0	+11	58	00	14.2				19	SWP 14898	L	L	0	085	00	81	247	20	56	V	/		301
	K 996	VC548	21	27	43.0	+11	58	00	14.2				19	LWR 11473	L	L	0	077	00	81	247	22	31	V	/		303
NGC	7078	IGDDY	21	27	54.0	+11	57	00	15.1		F3		83	LWP 1381	H	L	0	830	00	81	329	12	10	G	/		E=149,C=205,B=115
NGC	7018	IGDDY	21	27	54.0	+11	57	00	15.1		F3		83	LWP 1382	L	L	0	060	00	81	330	02	28	G	82	178	C=1.5-2X,B=50
HD	204862	IGDDY	21	28	43.9	+11	54	59	6.0	E0.10	B9	V	22	LWP 1380	H	L	0	006	40	81	329	10	19	G	/		C=138,B=60
HD	204862	IGDDY	21	28	43.9	+11	55	00	6.0	E0.10	B9	V	22	LWP 1386	H	L	0	010	00	81	330	10	40	G	/		C=140,B=54
HD	204862	IGDDY	21	28	43.9	+11	54	59	6.0	E0.10	B9	V	22	LWP 1389	H	L	0	010	00	81	331	03	40	G	/		C=152,B=65,TRLD
HD	204862	IGDDY	21	28	44.3	+11	55	00	6.0	E0.10	B9	V	22	LWP 1383	H	L	0	006	40	81	330	04	15	G	/		E=86,C=128,B=52
HD	204867	MLDLH	21	28	55.7	-05	47	32	2.9		G0	IB	45	LWR 11970	H	L	0	015	00	81	317	04	19	G	82	165	E=200,C=2X,B=33
HD	204867	MLDLH	21	28	55.7	-05	47	32	2.9		G0	IB	45	SWP 15492	L	L	0	060	00	81	317	04	48	G	82	160	E=184,C=3X,B=30
	LDS749B	FBDJL	21	29	41.0	+00	01	48	14.7		B5	WD	29	SWP 14656	L	L	0	210	00	81	217	03	03	G	82	062	C=150,B=60
	LDS749B	FBDJL	21	29	41.0	+00	01	48	14.7		B5	WD	29	LWR 11248	L	L	0	130	00	81	217	06	38	G	82	062	C=165,B=40
	LDS 7498	UK405	21	29	47.0	+00	01	00	14.5				29	SWP 14127	L	L	0	323	00	81	151	01	16	V	/		502
	LDS 7498	UK405	21	29	47.0	+00	01	00	14.5				29	LWR 10753	L	L	0	062	00	81	151	06	45	V	/		303
HD	205372	CBDJE	21	30	21.0	+70	36	07	7.1		A2	V	30	LWR 10465	L	L	0	001	00	81	119	00	54	G	81	328	C=215,B=25

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 205372	CBDJE	21 30 21.0	+70 36 07	7.1		A2 V	30	SWP 13833	L	L	0	030 00	81 119	00 59	G	81/328	C=5-6X,B=22
HD 205372	CBDJE	21 30 21.0	+70 36 07	7.1		AZ	30	LWR 10466	L	L	0	002 30	81 119	01 36	G	81/334	C=2.5X,B=22
HU 1-2	NPDLA	21 31 07.0	+39 24 10			PN	70	SWP 13945	L	L	0	090 00	81 129	12 06	G	81/351	E=243,C=60,B=28
HD205435	CZ502	21 32 06.0	+45 22 00	04.1			44	SWP 14877	L	L	0	100 00	81 244	19 57	V	/	340
NGC 7094	NPDJK	21 34 27.9	+12 33 49	0.1		SD	70	SWP 14289	L	L	0	012 00	81 171	14 40	G	82/018	C=204,B=20
NGC 7094	NPDJK	21 34 27.9	+12 33 47	0.1		SD	70	LWR 10909	L	L	0	030 00	81 171	14 57	G	82/018	C=270,B=40
N 7094	UK467	21 34 28.0	+12 34 00	13.6			70	SWP 14178	L	L	0	010 30	81 154	22 36	V	/	401
N 7094	UK467	21 34 28.0	+12 34 00	13.6			70	LWR 10774	L	L	0	018 00	81 154	22 51	V	/	403
HD 206301	RSDCB	21 38 49.9	-14 16 16	5.3		G2 IV	39	SWP 15017	L	L	0	100 00	81 260	03 30	G	82/103	E=251,C=255,B=30
HD 206540	NSDNT	21 40 06.2	+10 35 44	6.09		B7 III	24	SWP 14023	H	L	0	008 00	81 142	14 13	G	82/011	C=200,B=44
G 126-27	GV555	21 40 22.0	+20 47 00	13.2			43	SWP 14021	L	L	0	420 00	81 142	00 47	V	/	503
SS CYG	CVDPS	21 40 44.9	+43 21 23	11.1			54	SWP 15281	L	L	0	010 00	81 290	05 19	G	82/136	E=236,C=80,B=25
SS CYG	CVDPS	21 40 44.9	+43 21 23	11.1			54	LWR 11795	L	L	0	008 00	81 290	05 39	G	82/136	E=1.5X,C=185,B=27
HD 206778	CCDRS	21 41 43.0	+09 38 41	2.4		K2 IB	47	LWR 11786	H	L	0	200 00	81 288	22 11	G	82/131	E=3X,B=1.5X,B=45
HD 206860	CCDMG	21 42 06.7	+14 32 37	6.0		GO V	44	LWR 10277	L	S	0	000 30	81 093	14 51	G	81/301	C=105,B=22
HD 206860	CCDMG	21 42 06.7	+14 32 37	6.0		GO V	44	LWR 10277	L	L	0	000 30	81 093	14 55	G	81/301	C=160,B=22
HD 206860	CCDMG	21 42 06.7	+14 32 37	6.0		GO V	44	SWP 13648	L	L	0	110 00	81 093	15 01	G	81/301	E=3X,C=1.3X,B=32
HD 206860	CCDMG	21 42 06.7	+14 32 37	6.0		GO V	44	LWR 10292	L	L	0	000 45	81 095	19 45	G	81/301	C=200,B=25
HD 206860	CCDMG	21 42 06.7	+14 32 37	6.0		GO V	44	SWP 13664	L	L	0	110 00	81 095	19 50	G	81/301	E=2X,C=2X,B=93
HD 206860	CCDRN	21 42 06.7	+14 32 37	6.0		GO V	44	SWP 15245	L	L	0	110 00	81 286	06 22	G	82/129	E=122,C=1.2X,B=73
HD 206860	CCDRN	21 42 06.7	+14 32 37	6.0		GO V	44	SWP 15291	L	L	0	160 00	81 292	03 06	G	82/136	E=68,C=1.5X,B=40
HD 206860	CCDRN	21 42 06.7	+14 32 37	6.0		GO V	44	LWR 11813	L	L	0	000 45	81 294	06 53	G	82/138	C=175,B=23
HD 206860	CCDRN	21 42 06.7	+14 32 37	6.0		GO V	44	SWP 15302	L	L	0	160 00	81 294	06 57	G	82/138	E=66,C=1.5X,B=45
HD 206859	CCDRS	21 42 08.0	+17 07 11	4.3		G5 IB	45	LWR 11371	H	L	0	060 00	81 231	12 06	G	82/081	E=255,C=180,B=45
HD 206859	MLDLH	21 42 08.5	+17 07 11	4.3		G5 IB	45	LWR 11958	H	L	0	060 00	81 315	06 11	G	82/158	E=1.4X,C=160,B=35
HD 207198	IEDBS	21 43 31.0	+62 13 48	5.9	E0.60	09 II	13	LWR 10660	L	L	0	000 07	81 140	19 40	G	81/361	C=215,B=30
HD 207198	IEDBS	21 43 31.0	+62 13 48	5.9	E0.60	09 II	12	LWR 10660	L	S	0	000 29	81 140	19 43	G	81/361	C=255,B=30
HD 207198	IEDBS	21 43 31.0	+62 13 48	5.9	E0.60	09 II	13	SWP 14008	L	L	0	000 19	81 140	19 47	G	81/358	C=165,B=18
HD 207198	IEDBS	21 43 31.0	+62 13 48	5.9	E0.60	09 II	13	SWP 14008	L	S	0	001 00	81 140	19 51	G	81/358	C=235,B=18
HD 207198	IEDBS	21 43 31.0	+62 13 48	5.9	E0.60	09 II	13	LWR 10661	L	L	0	000 30	81 140	20 19	G	82/013	C=215,B=30,TRAIL
HD 207089	CCDRS	21 43 46.2	+22 43 03	5.3		KO IB	47	LWR 11357	H	L	0	090 00	81 229	10 18	G	82/074	E=2X,C=120,B=60
HD 207089	CCDRS	21 43 46.2	+22 43 03	5.3		KO IB	47	SWP 14774	H	L	0	120 00	81 229	11 55	G	82/068	C=60,B=60
HD 207089	CCDRS	21 43 46.2	+22 43 03	5.3		KO IB	47	SWP 14784	L	L	0	090 00	81 231	10 22	G	82/081	E=119,C=100,B=72
HD 207757	CVDDL	21 48 36.7	+12 23 59	8.2	E0.12	M3 III	57	SWP 13957	H	L	0	015 00	81 130	23 18	G	81/357	E=184,B=20
HD 207757	CVDDL	21 48 36.7	+12 23 59	8.2	E0.12	M3 III	57	LWR 10571	H	L	0	014 00	81 130	23 35	G	81/357	C=70,B=30
BD +28 4211	PHCAL	21 48 55.9	+28 37 34			IV	16	LWR 10901	L	L	0	001 00	81 170	01 24	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 56.0	+28 37 35	10.5		00 SD	16	SWP 13710	L	S	0	000 78	81 104	19 16	G	81/314	C=180,B=22
BD +28 4211	PHCAL	21 48 56.0	+28 37 35	10.5		00 SD	16	SWP 13710	L	L	0	000 26	81 104	19 19	G	81/314	C=3X,B=22
BD +28 4211	PHCAL	21 48 56.0	+28 37 35	10.5		00 SD	16	LWR 10348	L	S	0	003 00	81 104	19 23	G	81/314	C=130,B=26
BD +28 4211	PHCAL	21 48 56.0	+28 37 35	10.5		00 SD	16	LWR 10348	L	L	0	001 00	81 104	19 27	G	81/314	C=3X,B=26

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5		00 SD	16	SWP 13717	L	L	0	000	26	81	105	03	14	G	81	/312	C=200,B=25
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5		00 SD	16	SWP 13717	L	S	0	000	78	81	105	03	17	G	81	/312	C=2X,B=25
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5		00 SD	16	LWR 10354	L	L	0	001	00	81	105	03	42	G	81	/312	C=190,B=27
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5		00 SD	16	LWR 10354	L	S	0	003	00	81	105	03	45	G	81	/312	C=2X,B=27
BD	+28 4211	PHCAL	21	48	56.0	+28	37	34	10.5	E-.02	00 SD	16	LWP 1321	H	L	0	003	20	81	141	16	58	G	82	/117	C=110,B=88,TRAILED
BD	+28 4211	PHCAL	21	48	56.0	+28	37	34	10.5	E-.02	00 SD	16	LWP 1322	L	L	0	003	20	81	141	17	48	G	82	/090	C=220,B=85,TRAILED
BD	+28 4211	PHCAL	21	48	56.0	+28	37	34	10.5	E-.02	00 SD	16	LWP 1323	L	L	0	004	40	81	141	18	35	G	82	/090	C=1.4X,B=100,TRLD
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	SWP 14278	L	L	0	000	26	81	170	01	14	V		/	500
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	SWP 14278	L	S	0	001	18	81	170	01	18	V		/	500
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	LWR 10901	L	L	0	001	00	81	170	01	24	V		/	501
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	LWR 10901	L	S	0	003	00	81	170	01	29	V		/	501
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	SWP 14279	L	L	0	001	18	81	170	02	21	V		/	500 TRAILED
	D+284211	PHCAL	21	48	56.0	+28	37	00	9.5			12	LWR 10902	L	L	0	003	30	81	170	02	31	V		/	501 TRAILED
	D+284211	PHCAL	21	48	56.0	+28	38	00	10.5			12	SWP 14311	L	L	0	000	26	81	175	00	22	V		/	501
	D+284211	PHCAL	21	48	56.0	+28	38	00	10.5			12	SWP 14311	L	S	0	001	18	81	175	00	24	V		/	701
	D+284211	PHCAL	21	48	56.0	+28	38	00	10.5			12	LWR 10942	L	L	0	001	00	81	175	00	28	V		/	502
	D+284211	PHCAL	21	48	56.0	+28	38	00	10.5			12	LWR 10942	L	S	0	003	00	81	175	00	32	V		/	602
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5	E-.02	6	16	SWP 14498	L	L	0	000	25	81	197	02	29	V		/	NO COMMENTS
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5	E-.02	6	16	SWP 14498	L	S	0	001	17	81	197	02	33	V		/	NO COMMENTS
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5	E-.02	6	16	LWR 11074	L	L	0	001	00	81	197	02	36	V		/	NO COMMENTS
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5	E-.02	6	16	LWR 11074	L	S	0	003	00	81	197	02	40	V		/	NO COMMENTS
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35	10.5	E-.02	6	16	SWP 14499	L	L	0	001	18	81	197	03	12	V		/	TRAILED
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	SWP 15324	L	L	0	000	26	81	298	06	49	G	82	/138	C=210,B=25
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	LWR 11834	L	L	0	001	00	81	298	06	53	G	82	/138	C=210,B=25
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	SWP 15325	L	L	0	001	18	81	298	07	49	G	82	/138	C=180,B=25,TRLD
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	LWR 11835	L	L	0	003	20	81	298	07	59	G	82	/138	C=185,B=28,TRLD
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	SWP 15326	L	L	0	001	18	81	298	09	10	G	82	/138	C=185,B=26,TRLD
BD	+28 4211	PHCAL	21	48	56.0	+28	37	35				16	LWR 11836	L	L	0	003	30	81	298	09	20	G	82	/138	C=185,B=26,TRLD
	D+284211	UKCAL	21	48	56.0	+28	37	00	10.5			20	SWP 14498	L	L	0	000	26	81	198	02	29	V		/	500
	D+284211	UKCAL	21	48	56.0	+28	37	00	10.5			20	SWP 14498	L	S	0	001	18	81	198	02	33	V		/	700
	D+284211	UKCAL	21	48	56.0	+28	37	00	10.5			20	LWR 11074	L	L	0	001	00	81	198	02	36	V		/	602
	D+284211	UKCAL	21	48	56.0	+28	37	00	10.5			20	LWR 11074	L	S	0	003	00	81	198	02	40	V		/	602
	D+284211	UKCAL	21	48	56.0	+28	37	00	10.5			20	SWP 14499	L	L	0	001	18	81	198	03	12	V		/	500
BD	+28 4211	PHCAL	21	48	57.0	+28	37	34	10.5		00 SD	16	SWP 13768	L	L	0	000	25	81	111	12	24	G	81	/322	C=190,B=18
BD	+28 4211	PHCAL	21	48	57.0	+28	37	34	10.5		50 SD	16	LWR 10399	L	L	0	001	00	81	111	12	28	G	81	/322	C=190,B=25
BD	+28 4211	PHCAL	21	48	57.3	+28	37	33	10.5	E-.02	00 SD	16	LWR 11370	L	L	0	001	00	81	231	08	56	G	82	/074	C=180,B=25
BD	+28 4211	PHCAL	21	48	57.3	+28	37	33	10.5	E-.02	00 SD	16	LWR 11370	L	S	0	002	00	81	231	09	01	G	82	/074	C=183,B=25
BD	+28 4211	PHCAL	21	48	57.4	+28	37	34	10.5		00 SD	16	SWP 14146	L	L	0	001	18	81	152	15	57	G	82	/003	C=185,B=22,TRAILED
BD	+28 4211	PHCAL	21	48	57.4	+28	37	34	10.5		00 SD	16	SWP 14147	L	L	0	001	57	81	152	16	35	G	82	/003	C=240,B=18,TRAILED
BD	+28 4211	PHCAL	21	48	57.4	+28	37	34	10.5		00 SD	16	SWP 14148	L	L	0	000	49	81	152	17	12	G	82	/003	C=140,B=16,TRAILED

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	00	SD	16	SWP 14149	L	L	0	001 38	81 152 17 46	G	82/003	C=216,B=18,TRAILED
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	00	SD	16	SWP 14150	L	L	0	002 17	81 152 18 24	G	82/003	C=270,B=36,TRAILED
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			IV	16	SWP 14278	L	L	0	000 25	81 170 01 14	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			IV	16	SWP 14278	L	S	0	001 17	81 170 01 18	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			IV	16	LWR 10901	L	S	0	003 00	81 170 01 29	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			IV	16	SWP 14279	L	L	0	001 18	81 170 02 21	V	/	TRAILED
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			IV	16	LWR 10902	L	L	0	003 30	81 170 02 31	V	/	TRAILED
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			SD	16	SWP 14311	L	L	0	000 25	81 175 00 22	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			SD	16	SWP 14311	L	S	0	001 17	81 175 00 24	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			SD	16	LWR 10942	L	L	0	001 00	81 175 00 28	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34			SD	16	LWR 10942	L	S	0	003 00	81 175 00 32	V	/	NO COMMENTS
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14314	L	L	0	001 18	81 175 14 31	G	82/026	C=180,B=20,TRLD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14315	L	L	0	001 57	81 175 15 05	G	82/024	C=230,B=22,TRLD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14316	L	L	0	001 26	81 175 15 42	G	82/024	C=250,B=150,TRL,TFLD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14317	L	L	0	001 03	81 175 16 19	G	82/024	C=2X,B=240,TRL,TFLD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14318	L	L	0	001 18	81 175 16 55	G	82/024	C=185,B=20,TRLD.
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14426	L	L	0	000 25	81 189 19 23	G	82/035	C=190,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	LWR 11033	L	L	0	001 00	81 189 19 26	G	82/035	C=185,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14426	L	S	0	001 17	81 189 19 29	G	82/035	C=260,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	LWR 11033	L	S	0	003 00	81 189 19 32	G	82/035	C=240,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14671	L	L	0	000 25	81 218 09 45	G	82/066	C=225,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14672	L	L	0	001 12	81 218 10 14	G	82/066	C=185,B=25,TRAILED
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	LWR 11256	L	L	0	001 00	81 218 10 23	G	82/066	C=210,B=25
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	LWR 11257	L	L	0	003 30	81 218 11 18	G	82/066	C=190,B=40,TRD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00		16	LWP 1345	L	L	0	001 19	81 218 12 35	G	82/095	B=1.5X
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00		16	LWP 1345	L	S	0	002 00	81 218 12 40	G	82/095	C=210,B=45
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00		16	LWP 1346	L	L	0	004 40	81 218 13 13	G	82/095	C=250,B=66,TRD
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14782	L	L	0	001 00	81 231 08 45	G	82/074	C=3X,B=17
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14782	L	S	0	002 00	81 231 08 49	G	82/074	C=3X,B=19
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02 00	SD	16	SWP 14783	L	L	0	000 26	81 231 09 37	G	82/074	C=185,B=13
HD 207956	CBDMP	21 50 03.0	+23 47 00	7.8	E0.0	A4 V	39	SWP 14691	L	L	0	003 00	81 220 11 44	G	82/074	C=60,B=32
HD 207956	CBDMP	21 50 03.0	+23 47 00	7.8	E0.0	A4 V	39	SWP 14691	L	S	0	004 00	81 220 11 50	G	82/074	C=55,B=32
HD 207956	CBDMP	21 50 03.0	+23 47 00	7.8	E0.0	A4 V	39	LWR 11270	L	S	0	003 00	81 220 11 58	G	82/074	C=85,B=32
HD 207956	CBDMP	21 50 03.0	+23 47 00	7.8	E0.0	A4 V	39	LWR 11270	L	L	0	002 00	81 220 12 04	G	82/074	C=85,B=32
HD 207956	CBDMP	21 50 03.0	+23 47 00	7.8	E0.0	A4 V	39	SWP 14692	L	L	0	012 00	81 220 13 00	G	82/074	E=77,C=170,B=42
HD 208189	NSDNT	21 51 56.0	+12 30 51	6.66		B9	22	SWP 14024	H	L	0	027 00	81 142 14 54	G	82/011	C=220,B=93
BPM27606	WDDGW	21 54 24.0	-51 13 44	14.7		FO WD	43	LWR 11955	L	L	0	210 00	81 314 21 54	G	82/158	C=160,B=40
VV CEP	VVDAD	21 55 14.5	+63 23 14	4.9	E1.75	M2 IAB	39	LWR 10809	L	L	0	002 30	81 159 14 27	G	82/005	E=252,C=225,B=32,TRD
VV CEP	VVDAD	21 55 14.5	+63 23 14	4.9	E1.75	M2 IAB	39	LWR 10809	L	S	0	010 00	81 159 14 39	G	82/005	E=252,C=4X,B=32,TRD
VV CEP	VVDAD	21 55 14.5	+63 23 14	4.9	E1.75	M2 IAB	39	SWP 14219	L	L	0	007 30	81 159 14 54	G	82/005	C=190,B=26

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	SWP 14219	L	S	O	015	00	81	159	15	01	G	82	005	C=1.2X,B=26
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	LWR 10810	H	L	O	022	00	81	159	15	43	G	82	014	E=145,C=140,B=32
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	SWP 14220	H	L	O	090	00	81	159	16	10	G	82	014	C=140,B=40
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	LWR 10811	H	L	O	022	00	81	159	17	45	G	82	014	E=8X,C=170,B=32
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	SWP 14221	H	L	O	164	00	81	159	18	12	G	82	007	C=225,B=54
	VV CEP	VVDAD	21	55	14.5	+63	23	14	4.9	E1.75	M2 IAB	39	LWR 10812	H	L	O	045	00	81	159	18	56	G	82	007	E=2.5X,C=1.2X,B=40
	P2155-30	MU597	21	55	58.0	-30	28	00	13.1			87	SWP 14224	L	S	O	080	00	81	160	03	56	V	/		301
	P2155-30	MU597	21	55	58.0	-30	28	00	13.1			87	LWR 10815	L	L	O	028	00	81	160	05	19	V	/		402
	IC 5148	NPDJK	21	56	33.1	-39	37	29	16.0			7O	SWP 14213	L	L	O	120	00	81	158	17	04	G	82	005	C=1.5X,B=86
HD	209318	RSDCB	21	59	28.6	+43	38	55	8.8		G9 V	39	LWR 11552	L	L	O	007	00	81	257	23	56	G	82	102	E=151,C=60,B=28
HD	209100	CCDKH	21	59	48.0	-57	00	53	4.7		K4 V	46	LWR 10521	L	L	O	005	00	81	124	23	00	G	81	335	E=3-4X,C=3-4X,B=25
HD	209100	CCDKH	21	59	48.0	-57	00	53	4.7		K4 V	46	SWP 13891	L	L	O	024	00	81	124	23	10	G	81	335	E=219,B=25
HD	209100	CCDKH	21	59	48.0	-57	00	53	4.7		K4 V	46	SWP 13891	L	S	O	008	00	81	124	23	41	G	81	335	E=60,B=25
HD	209100	CCDKH	21	59	48.0	-57	00	53	4.7		K4 V	46	SWP 14035	L	L	O	015	00	81	143	17	51	G	81	361	E=136,B=29
HD	209100	CCDKH	21	59	48.0	-57	00	53	4.7		K4 V	46	LWR 10686	L	L	O	002	00	81	143	18	10	G	81	361	B=25
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 10763	L	L	O	002	00	81	153	14	30	G	82	004	E=212,C=85,B=27
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 14159	L	L	O	019	00	81	153	14	38	G	82	004	E=135,B=27
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 14204	L	L	O	019	00	81	157	18	08	G	82	005	E=45,B=27
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 10797	L	L	O	001	44	81	157	18	38	G	82	005	E=219,C=155,B=23
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 10819	L	L	O	001	29	81	160	17	47	G	82	014	E=174,C=145,B=22
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 10857	L	L	O	001	29	81	165	20	03	G	82	014	E=185,C=130,B=21
	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 14259	L	L	O	019	00	81	165	20	10	G	82	014	E=154,B=20
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 14303	L	L	O	019	00	81	173	17	26	G	82	025	E=152,C=55,B=55
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15031	L	L	O	019	00	81	261	12	25	G	82	105	E=167,B=28
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 11578	L	L	O	001	30	81	261	12	49	G	82	105	E=173,C=140,B=26
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15076	L	L	O	019	00	81	265	15	20	G	82	111	E=149,B=19
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15076	L	S	O	019	00	81	265	15	21	G	82	111	E=149,B=19
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15108	L	L	O	019	00	81	270	12	52	G	82	117	E=173,B=21
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15134	L	L	O	019	00	81	273	13	34	G	82	117	E=155,B=36
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15134	L	S	O	019	00	81	273	13	35	G	82	117	E=155,B=36
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15194	L	L	O	019	00	81	279	13	24	G	82	118	E=178,B=47
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	SWP 15194	L	S	O	019	00	81	279	13	25	G	82	118	E=178,B=47
HD	209100	CCDKH	21	59	48.1	-57	00	54	4.7		K4 V	46	LWR 11802	L	L	O	001	30	81	291	11	58	G	82	136	E=131,C=120,B=25
	209100	CCDKH	21	59	48.1	-00	00	00	4.7		K4 V	46	SWP 15287	L	L	O	019	00	81	291	12	05	G	82	136	E=137,C=30,B=27
HD	209100	CCDKH	21	59	48.3	-57	00	55	4.7		K4 V	46	SWP 15031	L	S	O	019	00	81	261	12	26	G	82	105	E=167,B=28
HD	209100	CCDKH	21	59	48.3	-57	00	55				46	SWP 15108	L	S	O	019	00	81	270	12	53	G	82	117	E=173,B=21
	SAO 3673	UK407	22	00	07.0	+82	38	00	07.1			44	SWP 14921	L	L	O	107	00	81	250	16	56	V	/		601
	HD209943	UK407	22	00	13.0	+82	38	00	07.4			44	LWR 11485	L	L	O	007	00	81	250	18	55	V	/		701 DATA LOSS;SPECT
HD	209750	MLDLH	22	03	12.9	-00	33	49	2.9		G2 IB	45	LWR 11971	H	L	O	010	00	81	317	06	18	G	82	165	E=177,C=170,B=27
HD	209750	MLDLH	22	03	12.9	-00	33	49	2.9		G2 IB	45	SWP 15493	L	L	O	060	00	81	317	06	34	G	82	160	E=235,C=3X,B=42

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD	209750	MGDDM	22 03 13.0	-00 33 00	2.93		G2 IB	45	LWR 10443	H	L	L	0 014 00	81 115 20 48	G	81/326	E=132,C=115,B=57
HD	209750	MGDDM	22 03 13.0	-00 33 00	2.9		G2 IB	45	LWR 10496	H	L	L	0 014 00	81 121 20 03	G	81/329	E=270,C=255,B=33
HD	209750	MGDDM	22 03 13.0	-00 33 00	2.9		G2 IB	44	LWR 10658	H	L	L	0 020 00	81 139 23 29	G	81/361	E=255,C=1.5X,B=37
	2204-408	UK472	22 04 33.0	-40 52 00	17.5			85	SWP 14798	L	L	L	0 760 00	81 235 20 54	V	/	007 READ AT GSFC
	SERENDIP	UK472	22 04 33.0	-40 52 00	17.5			85	LWP 1349	L	L	L	0 715 00	81 235 20 56	V	/	007 READ AT GSFC
	2204-408	UK472	22 04 33.0	-40 52 00	17.5			85	SWP 14815	L	L	L	0 743 00	81 237 21 07	V	/	119 READ AT GSFC
Q	2204-408	HZDAB	22 04 33.1	-40 51 36	17.5			85	SWP 14798	L	L	L	0 760 00	81 235 20 55	G	82/084	B=88
Q	2204-408	HZDAB	22 04 33.1	-40 51 36	17.5			85	SWP 14815	L	L	L	0 743 00	81 237 21 07	G	82/084	B=116
	UNKNOWN	PHCAL	22 05 05.3	-47 12 14				65	LWR 11860	H	L	L	0 000 05	81 302 12 58	G	82/140	B=108
	UNKNOWN	PHCAL	22 05 05.3	-47 12 14				65	LWR 11860	H	S	L	0 000 04	81 302 13 06	G	82/140	B=108
	HD210334	MR531	22 06 39.0	+45 30 00	6.1			46	LWR 11662	H	L	L	0 030 00	81 275 14 36	V	/	333 4-MIN HTR W-UP
	HD210334	MR531	22 06 39.0	+45 30 00	6.1			46	SWP 15155	L	L	L	0 100 00	81 275 15 10	V	/	441
HD	210334	RSDJL	22 06 39.0	+45 29 48	6.1		G2 IV	44	LWR 11666	H	L	L	0 040 00	81 275 23 14	G	82/118	E=139,C=110,B=32
HD	210334	RSDJL	22 06 39.0	+45 29 48	6.1		G2 IV	44	SWP 15159	L	L	L	0 100 00	81 275 23 57	G	82/118	E=222,C=148,B=37
	HD210334	UK487	22 06 39.0	+45 30 00	6.1			46	LWR 11672	H	L	L	0 060 00	81 276 15 12	V	/	354 4-MIN HTR W-UP
	HD210334	UK487	22 06 39.0	+45 30 00	6.1			46	SWP 15165	L	L	L	0 080 00	81 276 16 17	V	/	440
HD	210334	RSDJL	22 06 39.4	+45 29 46	6.1		G2 IV	44	SWP 15168	L	L	L	0 080 00	81 276 23 53	G	82/118	E=161,C=130,B=36
HD	210334	RSDJL	22 06 39.4	+45 29 46	6.1		G2 IV	44	LWR 11676	H	L	L	0 060 00	81 277 01 02	G	82/118	E=180,C=140,B=40
HD	210839	HSDTS	22 09 47.9	+59 10 02	5.3		06	15	SWP 14871	H	S	L	0 013 00	81 244 10 10	G	82/090	C=150,B=33
HD	210839	HSDTS	22 09 47.9	+59 10 01	5.3	EO.25	06	15	SWP 14903	H	S	L	0 013 00	81 248 09 12	G	82/098	C=200,B=35
HD	210839	HSDTS	22 09 47.9	+59 10 01	05.3	EO.25	06	15	SWP 14938	H	S	L	0 013 00	81 252 11 48	G	82/110	C=190,B=35
	H 210839	UK410	22 09 48.0	+59 10 00	5.2			13	LWR 10499	H	L	L	0 002 05	81 122 00 39	V	/	302
	H 210839	UK410	22 09 48.0	+59 10 00	5.2			13	SWP 13863	H	L	L	0 010 30	81 122 00 43	V	/	600
	RU PEG	UK402	22 11 36.0	+12 27 00	11.3			54	LWR 11593	L	L	L	0 010 00	81 263 20 07	V	/	602
	RU PEG	UK402	22 11 36.0	+12 27 00	11.3			54	SWP 15061	L	L	L	0 014 00	81 263 20 22	V	/	661
	RU PEG	UK402	22 11 36.0	+12 27 00	11.3			54	LWR 11594	L	L	L	0 007 00	81 263 20 52	V	/	602
	RU PEG	UK402	22 11 36.0	+12 27 00	11.3			54	SWP 15062	L	L	L	0 010 00	81 263 21 24	V	/	550
	RU PEG	UK402	22 11 36.0	+12 27 00	11.8			54	SWP 15079	L	L	L	0 014 00	81 265 20 43	V	/	451
	RU PEG	UK402	22 11 36.0	+12 27 00	11.8			54	LWR 11606	L	L	L	0 010 00	81 265 21 01	V	/	452 MICROPHONICS
	MK304	QSDRP	22 14 45.2	+13 59 27	15.5			84	LWR 11468	L	L	L	0 300 00	81 247 00 53	G	82/095	C=55,B=55
	MK304	QSDRP	22 14 45.2	+13 59 27	15.5			84	LWR 11469	L	L	L	0 180 00	81 247 07 00	G	82/098	C=100,B=53
	MK304	QSDRP	22 14 45.2	+13 59 27	15.5			84	LWR 11478	L	L	L	0 180 00	81 249 08 19	G	82/095	C=175,B=70
	MK304	QSDRP	22 14 45.2	+13 59 27	15.5			84	LWR 11483	L	L	L	0 180 00	81 250 09 09	G	82/095	C=155,B=83
X	2215-086	CVDPS	22 15 28.9	-08 36 12	13.5			63	SWP 15260	L	L	L	0 050 00	81 287 05 32	G	82/131	E=151,C=80,B=35
X	2215-086	CVDPS	22 15 28.9	-08 36 12	13.5			63	LWR 11774	L	L	L	0 040 00	81 287 06 35	G	82/131	E=219,C=125,B=32
X	2215-086	CVDPS	22 15 28.9	-08 36 12	13.5			63	SWP 15261	L	L	L	0 050 00	81 287 07 23	G	82/131	E=143,C=80,B=35
X	2215-086	CVDPS	22 15 28.9	-08 36 12	13.5			63	LWR 11775	L	L	L	0 040 00	81 287 08 20	G	82/131	C=135,B=30
X	2215-086	CVDPS	22 15 28.9	-08 36 12	13.5			63	SWP 15262	L	L	L	0 050 00	81 287 09 06	G	82/131	E=162,C=70,B=33
X	2215-086	CVDPS	22 15 28.9	-08 36 12	14.0			63	LWR 11776	L	L	L	0 035 00	81 287 10 03	G	82/131	E=174,C=120,B=33
X	2215-086	CVDPS	22 15 29.	-08 36 12	14.0			63	SWP 15263	L	L	L	0 050 00	81 287 10 44	G	82/131	E=147,C=75,B=35

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	BPM14703	IB557	22	16	11.0	-65	44	00	14.4				43	LWR 11176	L	L	0	169	00	81	210	00	58	V	/	105
HD	211853	WRDJH	22	16	54.5	+55	52	30	9.2	EO.32	WN	SD	11	SWP 15100	H	L	0	210	00	81	268	23	40	G	82/111	E=138,C=140,B=59
HD	211853	WRDLA	22	16	54.5	+55	52	30	9.2	EO.49	WN		11	SWP 15579	L	L	0	006	00	81	332	10	28	G	82/174	E=1X,C=155,B=30
HD	211853	WRDLA	22	16	54.5	+55	52	30	9.2	EO.49	WN		11	SWP 15579	L	S	0	006	00	81	332	10	40	G	82/174	E=148,C=85,B=30
HD	211853	WRDLA	22	16	54.5	+55	52	30	9.2	EO.49	WN		11	SWP 15587	L	L	0	006	00	81	333	10	33	G	82/186	E=250,C=150,B=26
HD	211853	WRDLA	22	16	54.5	+55	52	30	9.2	EO.49	WN		11	SWP 15601	L	L	0	006	00	81	334	10	28	G	82/180	E=1.1X,C=160,B=30
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2	EO.32	WN6		11	FES 1333	F	2		160	00	81	149	21	52	G	81/355	NO COMMENTS
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN6		11	LWR 10746	L	L	0	001	44	81	149	22	04	G	81/363	C=135,B=25
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN6		11	SWP 14113	L	L	0	003	29	81	149	22	09	G	81/363	E=142,C=100,B=20
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2		WN6		11	SWP 14128	L	L	0	003	29	81	151	08	26	G	82/003	E=120,C=95,B=25
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN6		11	LWR 10754	L	L	0	001	44	81	151	08	57	G	82/003	E=160,C=140,B=28
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN6		11	SWP 14129	H	L	0	210	00	81	151	09	03	G	82/003	C=150,B=56
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN6		11	SWP 14134	L	L	0	003	29	81	151	16	29	G	82/003	E=170,C=100,B=30
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN		11	SWP 14139	L	L	0	003	29	81	151	22	00	G	82/003	E-154,C=100,B=25
HD	211853	WRDPM	22	16	54.6	+55	52	30	9.2		WN		11	SWP 14140	H	L	0	078	00	81	151	22	31	G	82/003	E=98,C=78,B=40
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2		WN6		11	SWP 14142	L	S	0	005	00	81	152	09	39	G	82/004	E=106,C=94,B=26
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2		WN6		11	SWP 14142	L	L	0	003	29	81	152	09	48	G	82/004	E=129,C=104,B=26
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2		WN6		11	SWP 14143	H	L	0	180	00	81	152	10	18	G	81/363	E=145,C=125,B=55
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	SWP 14168	L	L	0	003	29	81	154	09	17	G	82/004	E=134,C=90,B=25
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	SWP 14169	H	L	0	180	00	81	154	09	46	G	82/011	E=153,C=130,B=56
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	LWR 10770	L	L	0	001	44	81	154	12	50	G	82/004	C=150,B=28
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	LWR 10771	L	L	0	001	44	81	154	16	07	G	82/004	C=162,B=26
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	SWP 14173	L	L	0	003	29	81	154	16	13	G	82/005	E=168,C=108,B=27
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	SWP 14176	L	L	0	003	29	81	154	20	19	G	82/005	E=184,C=105,B=24
HD	211853	WRDPM	22	16	54.6	+55	52	32	9.2	EO.52	WN		11	LWR 10773	L	L	0	001	44	81	154	20	28	G	82/005	C=155,B=26
	H 211924	UK414	22	17	56.0	+05	32	00	5.4				21	LWR 10546	H	L	0	004	00	81	128	07	36	V	/	502
	HD211924	UK410	22	17	57.0	+05	32	00	5.4				20	SWP 15216	L	L	0	000	07	81	282	16	52	V	/	500
	HD211924	UK410	22	17	57.0	+05	32	00	5.4				20	SWP 15216	L	S	0	000	09	81	282	16	57	V	/	400
	HD211924	UK410	22	17	57.0	+05	32	00	5.4				20	LWR 11734	L	L	0	000	08	81	282	17	23	V	/	701 MICROPHONICS
	HD211924	UK410	22	17	57.0	+05	32	00	5.4				20	LWR 11734	L	S	0	000	08	81	282	17	26	V	/	501 MICROPHONICS
	HD211924	UK410	22	17	57.0	+05	32	00	5.4				20	SWP 15217	H	L	0	011	00	81	282	17	30	V	/	501
HD	212454	BPDJJ	22	21	09.2	+57	01	52	6.2		B8	V	27	SWP 14973	H	L	0	010	00	81	256	04	32	G	82/101	C=205,B=39
HD	212454	BPDJJ	22	21	09.2	+57	01	52	6.2		B8	V	27	LWR 11530	H	S	0	014	00	81	256	05	05	G	82/101	C=230,B=38
HD	212454	BPDJJ	22	21	09.2	+57	01	52	6.2		B8	V	27	SWP 14974	H	L	0	011	00	81	256	05	32	G	82/101	C=220,B=39
HD	212454	BPDJJ	22	21	09.2	+57	01	52	6.2		B8	V	27	LWR 11531	H	S	0	012	00	81	256	07	09	G	82/110	C=220,B=32
Q	2223-052	BLDAG	22	23	11.0	-05	12	16	16.0				87	LWR 11642	L	L	0	150	00	81	273	00	01	G	82/117	C=90,B=41
Q	2223-052	BLDAG	22	23	11.1	-05	12	17	16.0				87	SWP 15128	L	L	0	235	00	81	273	02	36	G	82/117	E=250,B=55
HD	213027	NSDNT	22	25	52.1	+24	32	11	6.71		B9		22	SWP 14017	H	L	0	015	00	81	141	15	24	G	81/351	C=181,B=81
	KRU 60	CCDHJ	22	26	10.0	+57	26	37	9.8		M4	V	48	LWR 10825	L	L	0	030	00	81	161	12	57	G	82/014	B=28
	KRU 60	CCDHJ	22	26	10.0	+57	26	37	9.6		M4	V	48	SWP 14233	L	L	0	120	00	81	161	13	46	G	82/014	E=231,B=32

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
	KRU 60	CCDHJ	22	26	10.0	+57	26	37	9.6		M4 V	48	LWR 10826	L	L	0	060	00	81	161	15	49	G	82/014		E=151,B=31
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9		WN7	11	SWP 14130	L	L	0	006	00	81	151	13	02	G	82/003		E=136,C=140,B=26
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9		WN	11	SWP 14130	L	S	0	004	00	81	151	13	12	G	82/003		E=136,C=70,B=26
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9		WN	11	SWP 14144	L	L	0	006	00	81	152	13	46	G	82/004		E=130,C=130,B=28
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9		WN	11	SWP 14144	L	S	0	004	00	81	152	13	56	G	82/004		E=61,C=70,B=28
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9	E0.53	WN	11	SWP 14170	L	L	0	006	00	81	154	13	21	G	82/004		E=137,C=170,B=27
HD	214419	WRDPM	22	34	56.8	+56	38	46	8.9	E0.53	WN	11	SWP 14170	L	S	0	004	00	81	154	13	35	G	82/004		E=95,C=90,B=25
H	214419	UK458	22	34	57.0	+56	39	00	8.9			11	SWP 13966	H	L	0	196	00	81	133	03	08	V	/		342
H	214419	UK458	22	34	57.0	+56	38	00	8.9			11	LWR 10617	L	L	0	002	00	81	135	00	50	V	/		552
H	214419	UK458	22	34	57.0	+56	38	00	8.9			11	SWP 13971	L	L	0	005	00	81	135	00	56	V	/		451
H	214419	UK458	22	34	57.0	+56	38	00	8.9			11	LWR 10618	H	L	0	140	00	81	135	01	28	V	/		446
H	214419	UK458	22	34	57.0	+56	38	00	8.9			11	SWP 13972	H	L	0	234	00	81	135	03	53	V	/		341
	L789-6	CCDHJ	22	35	50.0	-15	34	19	12.18	E0.00	M6 V	48	LWR 10842	L	L	0	150	00	81	164	09	04	G	82/014		E=181,B=35
	L789-6	CCDHJ	22	35	50.0	-15	34	19	12.2		M6 V	48	FES 1334	F	2		040	00	81	164	09	30	G	82/003		NO COMMENTS
	HD214479	UK487	22	36	01.0	-20	53	00	11.5			48	SWP 15148	L	L	0	030	00	81	274	18	39	V	/		110 MOD REF POS
	HD214479	UK487	22	36	01.0	-20	53	00	11.5			48	SWP 15148	L	L	0	030	00	81	274	19	15	V	/		110 MOD REF POS
	HD214479	UK487	22	36	01.0	-20	53	00	11.5			48	LWR 11653	L	L	0	020	00	81	274	19	56	V	/		132 4-MIN HTR W-UP
	HD214479	UK487	22	36	01.0	-20	53	00	11.5			48	SWP 15149	L	L	0	046	00	81	274	20	31	V	/		110
	AKN 564	QSDSG	22	40	18.0	+29	28	00	14.4			84	SWP 15457	L	L	0	087	00	81	313	02	20	G	82/158		E=62,C=50,B=32
	AKN 564	QSDSG	22	40	18.2	+29	27	46	14.4			84	SWP 15470	L	L	0	405	00	81	313	21	04	G	82/158		E=202,C=140,B=80
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	SWP 14883	L	L	0	030	00	81	245	15	17	G	82/090		B=29
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	SWP 14888	L	L	0	060	00	81	246	09	06	G	82/095		E=155,B=27
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	LWR 11461	L	L	0	025	00	81	246	10	14	G	82/095		E=152,C=57,B=27
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	SWP 14889	L	L	0	060	00	81	246	10	44	G	82/095		E=180,B=24
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	LWR 11462	L	L	0	025	00	81	246	11	52	G	82/095		E=173,C=59,B=29
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	SWP 14890	L	L	0	060	00	81	246	12	22	G	82/095		E=255,B=30
	EV LAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	LWR 11463	L	L	0	025	00	81	246	13	31	G	82/095		E=155,C=60,B=29
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	SWP 14891	L	L	0	060	00	81	246	14	01	G	82/095		B=33
	OOOEVLAC	FSDJR	22	44	40.0	+44	04	36	10.1		M4 V	48	LWR 11464	L	L	0	025	00	81	246	15	11	G	82/098		E=184,C=63,B=30
	EV LAC	UK455	22	44	40.0	+44	04	00	10.2			52	LWR 11458	L	L	0	025	00	81	245	16	03	V	/		133 MICROPHONICS
	EV LAC	UK455	22	44	40.0	+44	04	00	10.2			52	SWP 14884	L	L	0	030	00	81	245	16	43	V	/		110
	EV LAC	UK455	22	44	40.0	+44	04	00	10.2			52	SWP 14884	L	S	0	030	00	81	245	17	18	V	/		110
	EV LAC	UK455	22	44	40.0	+44	05	00	10.2			52	SWP 14892	L	L	0	030	00	81	246	15	42	V	/		110
	EV LAC	UK455	22	44	40.0	+44	05	00	10.2			52	SWP 14892	L	S	0	030	00	81	246	16	21	V	/		110
	EV LAC	UK455	22	44	40.0	+44	05	00	10.2			52	LWR 11465	L	L	0	025	00	81	246	16	59	V	/		142 MICROPHONICS
	EV LAC	UK455	22	44	40.0	+44	05	00	10.2			52	SWP 14893	L	L	0	030	00	81	246	17	29	V	/		221
	EV LAC	UK455	22	44	40.0	+44	05	00	10.2			52	SWP 14893	L	S	0	030	00	81	246	18	03	V	/		221
	HD215835	UK438	22	44	54.0	+57	49	00	8.6			12	LWR 11222	L	L	0	003	15	81	215	00	37	V	/		702
	HD215835	UK438	22	44	54.0	+57	49	00	8.6			12	SWP 14633	L	L	0	003	34	81	215	01	08	V	/		501
	HD215835	UK438	22	44	54.0	+57	49	00	8.6			12	LWR 11223	L	L	0	001	16	81	215	01	39	V	/		502 MICROPHONICS

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
HD	216219	CBDEB	22	48	24.7	+17	44	12	7.5		G5 IV	44	SWP 14899	L	L	0	300	00	81	248	00	26	G	82	095	C=160,B=55
HD	216219	CBDEB	22	48	24.7	+17	44	12	7.5		G5 IV	44	LWR 11474	L	L	0	010	00	81	248	05	30	G	82	110	C=1.5X,B=25
HD	216219	CBDEB	22	48	24.7	+17	44	12	7.5		G5 IV	44	LWR 11474	L	S	0	005	00	81	248	05	46	G	82	110	C=100,B=25
HD	216598	CBDJE	22	51	22.4	+37	40	18	8.5		G3	44	LWR 11910	L	L	0	025	00	81	308	05	16	G	82	151	C=1.5X,B=30
HD	216598	CBDJE	22	51	22.5	+37	40	19	8.5		G3 V	44	SWP 13827	L	L	0	180	00	81	118	10	48	G	81	326	E=72,C=69,B=42
Q	2251-178	GHDDY	22	51	25.9	-17	50	54	14		B0 V	85	SWP 13707	L	S	0	135	00	81	102	19	05	G	81	308	E=45,C=82,B=82
Q	2251-178	GHDDY	22	51	25.9	-17	50	54	14		B0 V	85	LWR 10346	L	L	0	120	00	81	102	21	28	G	81	308	E=158,C=140,B=43
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	SWP 15186	L	L	0	029	00	81	278	18	46	V	/		331
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	LWR 11693	L	L	0	020	00	81	278	19	26	V	/		401 4-MIN HTR W-UP
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	SWP 15187	L	L	0	024	00	81	278	19	56	V	/		331
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	LWR 11694	L	L	0	020	00	81	278	20	28	V	/		401 4-MIN HTR W-UP
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	SWP 15188	L	L	0	026	00	81	278	20	59	V	/		331
	2252-035	UK473	22	52	43.0	-03	29	00	13.2			59	LWR 11695	L	L	0	016	00	81	278	21	30	V	/		301
	H2252-03	UK475	22	52	43.0	-03	27	00	13.2			59	SWP 14254	L	L	0	018	00	81	165	05	33	V	/		230
	H2252-03	UK475	22	52	43.0	-03	27	00	13.2			59	SWP 15250	L	L	0	017	00	81	286	15	15	V	/		301
	H2252-03	UK475	22	52	43.0	-03	27	00	13.2			59	LWR 11769	L	L	0	017	00	81	286	15	35	V	/		303 4-M HTR W-UP MN=
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14417	H	L	0	001	00	81	188	13	34	G	82	033	C=1.5X,B=45
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11022	H	L	0	000	17	81	188	13	38	G	82	033	C=220,B=32
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11023	H	L	0	000	53	81	188	14	30	G	82	033	E=243,C=2-3X,B=50
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14418	L	H	0	004	00	81	188	14	36	G	82	033	C=5-6X,B=110
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11024	H	L	0	002	14	81	188	15	28	G	82	033	E=3-4X,C=6-8X,B=80
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14419	H	L	0	012	00	81	188	15	35	G	82	033	C=15-20X,B=60
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11025	H	L	0	002	14	81	188	16	29	G	82	033	C=6-8X,B=80
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14420	H	L	0	012	00	81	188	16	36	G	82	033	C=15-20X,B=75
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11026	H	L	0	002	14	81	188	17	26	G	82	033	C=6-8X,B=80
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14421	H	L	0	012	00	81	188	17	33	G	82	033	C=15-20X,B=70
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11027	H	L	0	000	90	81	188	18	23	G	82	033	C=5X,B=62
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	SWP 14422	H	L	0	012	00	81	188	18	29	G	82	033	C=15-20X,B=65
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11028	H	L	0	000	90	81	188	19	23	G	82	033	C=5X,B=64
	ALPH PSA	IMDFB	22	54	53.3	-29	53	14	1.16	E0.00	A3 V	30	LWR 11029	H	L	0	000	90	81	188	19	50	G	82	033	C=5X,B=60
HD	217675	BEDAS	22	59	36.9	+42	03	25	3.6		B6	60	LWR 11983	H	S	0	002	30	81	320	10	42	G	82	160	C=1.5X,B=40
HD	217675	BEDAS	22	59	36.9	+42	03	25	3.6		B6	60	SWP 15507	H	S	0	003	30	81	320	10	49	G	82	160	C=1.5X,B=50
HD	217675	BEDAS	22	59	36.9	+42	03	25	3.6		B6	60	SWP 15508	H	S	0	002	20	81	320	11	37	G	82	160	C=190,B=32
HD	217833	BPDJJ	23	00	34.1	+54	58	01	6.4		B9 V	27	SWP 14971	H	L	0	016	00	81	256	02	22	G	82	101	C=190,B=37
HD	217833	BPDJJ	23	00	34.1	+54	58	01	6.4		B9 V	27	LWR 11528	H	L	0	011	00	81	256	02	55	G	82	101	C=210,B=34
HD	217833	BPDJJ	23	00	34.1	+54	58	01	6.4		B9 V	27	SWP 14972	H	L	0	016	00	81	256	03	23	G	82	101	C=195,B=38
HD	217833	BPDJJ	23	00	34.1	+54	58	01	6.4		B9 V	27	LWR 11529	H	L	0	012	30	81	256	03	55	G	82	101	C=220,B=35
	NGC 7469	SEYFE	23	00	44.0	+08	36	00	14.0			84	LWR 11448	L	L	0	073	00	81	243	20	15	V	/		353 MICROPHONICS
	NGC 7469	SEYFE	23	00	44.0	+08	36	00	14.0			84	SWP 14870	L	L	0	140	00	81	243	21	35	V	/		361
	NGC 7469	SEYFE	23	00	44.0	+08	36	00	14.0			84	LWR 11449	L	L	0	068	00	81	243	23	59	V	/		343 MICROPHONICS

	OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
	N 7469	AE556	23 00 45.0	+08 36 00	13.4			84	LWR 10732	L	L	0	060 00	81 148 01 04	V	/	452
	N 7469	AE556	23 00 45.0	+08 36 00	13.4			84	SWP 14094	L	L	0	100 00	81 148 02 08	V	/	351
	N 7469	AE556	23 00 45.0	+08 36 00	13.4			84	LWR 10733	L	L	0	090 00	81 148 03 55	V	/	464
	N 7469	AE556	23 00 45.0	+08 36 00	13.4			84	SWP 14095	L	L	0	139 00	81 148 05 28	V	/	351
	BETA PSC	BEDAS	23 01 19.8	+03 33 01	4.52		B5	26	SWP 15512	H	S	0	005 00	81 322 07 33	G	82/165	C=230,B=40
	BETA PSC	BEDAS	23 01 19.9	+03 33 02	4.52		B5	26	LWR 11989	H	S	0	003 30	81 322 07 41	G	82/165	E=242,C=240,B=32
	H 217906	UK409	23 01 21.0	+27 48 00	2.6			49	LWR 10803	L	L	0	000 45	81 158 04 04	V	/	231
	H 217906	UK409	23 01 21.0	+27 48 00	2.6			49	SWP 14210	L	L	0	010 00	81 158 04 09	V	/	222
	H 217906	UK409	23 01 21.0	+27 48 00	2.6			49	LWR 10804	H	L	0	040 00	81 158 04 41	V	/	222
	H 217906	UK409	23 01 21.0	+27 48 00	2.6			49	SWP 14211	L	L	0	023 00	81 158 05 24	V	/	221
	V425 CAS	CVDHB	23 01 34.7	+53 01 03	14.5			63	SWP 14735	L	L	0	115 00	81 224 15 54	G	82/070	C=142,B=110
	V425 CAS	CVDPS	23 01 34.7	+53 01 03	14.5			63	SWP 15267	L	L	0	120 00	81 288 02 47	G	82/131	E=57,C=60,B=40
	V425 CAS	CVDPS	23 01 34.7	+53 01 03	14.5			63	LWR 11783	L	L	0	070 00	81 288 04 50	G	82/131	C=80,B=30
	V425 CAS	CVDHB	23 01 34.8	+53 01 10	14.5			63	SWP 14732	L	L	0	090 00	81 224 08 31	G	82/067	C=70,B=31
	MCG25822	UK491	23 02 07.0	-08 57 00	13.8			84	SWP 14451	L	L	0	060 00	81 192 21 11	V	/	341
	MCG25822	UK491	23 02 07.0	-08 57 00	13.8			84	LWR 11051	L	L	0	045 00	81 192 22 16	V	/	303
	MCG25822	UK491	23 02 07.0	-08 57 00	13.8			84	SWP 14452	L	L	0	060 00	81 192 23 16	V	/	341
PG	2302+029	QSDBS	23 02 12.0	+02 55 33	0.0			85	LWR 11056	L	L	0	410 00	81 194 04 59	G	82/041	C=190,B=72
HD	218356	CCDRS	23 04 40.0	+25 12 00	4.8		KO II	47	LWR 11344	H	L	0	270 00	81 228 05 48	G	82/076	E=3-5X,C=270,B=83
HD	218356	CCDRS	23 04 40.0	+25 11 53	4.8		KO II	47	SWP 14785	L	L	0	072 00	81 231 13 30	G	82/074	E=255,C=125,B=80
HD	218356	CSDRS	23 04 40.0	+25 12 00	4.8		KO II	47	SWP 15282	L	L	0	120 00	81 290 06 30	G	82/136	E=2X,C=120,B=42
HD	218356	CSDRS	23 04 40.0	+25 12 00	4.8		KO II	47	LWR 11796	H	L	0	045 00	81 290 08 34	G	82/136	E=2X,C=80,B=30
HD	218356	MGDDM	23 04 40.0	+25 12 00	4.8		KO IB	47	LWR 10495	H	L	0	028 00	81 121 18 40	G	81/329	E=270,C=120,B=50
HD	218356	MGDDM	23 04 40.0	+25 12 00	4.7		KO IB	46	LWR 10657	H	L	0	018 00	81 139 22 40	G	81/361	E=75,B=40
HD	218356	CSDRS	23 04 40.2	+25 11 52	4.8		KO II	47	SWP 15283	H	L	0	999 00	81 290 09 25	G	82/136	E=3X,C=210,B=145
HD	218356	CSDRS	23 04 40.2	+25 11 52	4.8		KO II	47	LWR 11797	H	L	0	030 00	81 291 05 12	G	82/136	E=1X,C=80,B=30
HD	218393	CBDMP	23 04 51.0	+49 55 00	6.8	EO.15	B3 V	60	LWR 11212	H	L	0	015 00	81 214 05 28	G	82/056	E=115,C=105,B=32
HD	218393	CBDMP	23 04 51.0	+49 55 00	6.8	EO.15	B3 V	60	SWP 14623	H	L	0	045 00	81 214 05 56	G	82/056	E=134,C=85,B=38
	N 7552	UK491	23 13 25.0	-42 51 00	12.5			84	SWP 14453	L	L	0	153 00	81 193 01 13	V	/	302
	G273-13	IB557	23 16 56.0	-17 22 00	14.0			43	LWR 11175	L	L	0	080 00	81 209 21 12	V	/	303
	L791-40	WDDGW	23 16 56.9	-17 21 53	14.0		FO WD	43	SWP 15491	L	L	0	160 00	81 317 01 18	G	82/165	C=115,B=35
	L791-40	WDDGW	23 16 57.0	-17 21 54	14.0		FO WD	43	LWR 11956	L	L	0	095 00	81 315 02 10	G	82/158	C=200,B=38
	-5 23174	RK511	23 17 23.0	-05 26 00	11.8			16	SWP 15270	H	L	0	255 00	81 288 16 46	V	/	502
	-5 23174	RK511	23 17 23.0	-05 26 00	11.8			16	LWR 11785	L	L	0	003 40	81 288 21 06	V	/	402 4-MIN HTR W-UP
	H 220657	CZ502	23 22 53.0	+23 08 00	4.4			41	SWP 14001	L	L	0	035 00	81 140 03 56	V	/	741
	H 220657	CZ502	23 22 53.0	+23 08 00	4.4			41	SWP 14001	L	S	0	006 00	81 140 04 44	V	/	001
NGC	7662	NDDHH	23 23 30.0	+42 16 00	0.0			71	SWP 14627	L	L	0	040 00	81 214 12 51	G	82/056	E=2-3X,C=205,B=153
NGC	7662	NDDHH	23 23 30.0	+42 16 00	0.0			71	LWR 11216	L	L	0	075 00	81 214 13 40	G	82/056	E=2.0X,C=1.5X,B=178
NGC	7662	NDDHH	23 23 30.0	+42 16 00	0.0			70	SWP 14628	L	S	0	020 00	81 214 15 03	G	82/056	E=253,C=200,B=156
NGC	7662	NDDHH	23 23 30.0	+42 16 00	0.0			70	LWR 11217	L	S	0	025 00	81 214 15 33	G	82/056	E=203,C=175,B=102

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
NGC 7662	NDDHH	23	23	30.0	+42	16	00	0.0			71	SWP 14629	L	L	0	020	00	81	214	16	06	G	82	056	E=4X,C=190,B=145
NGC 7662	NDDHH	23	23	30.0	+42	16	00	0.0			71	SWP 14648	L	L	0	040	00	81	216	10	49	G	82	056	E=10X,C=160,B=118
NGC 7662	NDDHH	23	23	30.0	+42	16	00	0.0			71	LWR 11239	L	L	0	040	00	81	216	11	36	G	82	056	E=12X,C=180,B=88
NGC 7662	NDDHH	23	23	30.0	+42	16	00	0.0			71	SWP 14649	L	L	0	035	00	81	216	12	22	G	82	062	E=7-9X,C=155,B=115
NGC 7662	NDDHH	23	23	30.0	+42	16	00	0.0			71	LWR 11240	L	L	0	035	00	81	216	13	02	G	82	062	E=254,C=120,B=73
HD 220885	BPDJJ	23	24	42.4	+42	38	11	5.6		B9 V	27	SWP 14969	H	L	0	029	00	81	256	00	04	G	82	101	C=3X,B=43
HD 220885	BPDJJ	23	24	42.4	+42	38	11	5.6		B9 V	27	LWR 11526	H	L	0	014	00	81	256	00	39	G	82	101	C=210,B=35
HD 220885	BPDJJ	23	24	42.4	+42	38	11	5.6		B9 V	27	SWP 14970	H	L	0	023	00	81	256	01	07	G	82	124	C=210,B=40
HD 220885	BPDJJ	23	24	42.4	+42	38	11	5.6		B9 V	27	LWR 11527	H	L	0	014	00	81	256	01	40	G	82	101	C=210,B=38
G29-38	FBDAH	23	26	15.0	+04	58	26	13.1		A WD	52	SWP 14860	L	L	0	130	00	81	242	04	17	G	82	090	C=135,B=32
G29-38	FBDAH	23	26	15.0	+04	58	26	13.1		A WD	52	SWP 14861	L	L	0	124	00	81	242	07	02	G	82	090	C=160,B=45
G29-38	FBDAH	23	26	15.0	+04	58	25	13.1		A WD	52	LWR 11440	L	L	0	030	00	81	242	09	20	G	82	090	C=120,B=35
G29-38	FBDAH	23	26	15.0	+04	58	26	13.1		A WD	37	SWP 15111	L	L	0	191	30	81	271	01	29	G	82	115	C=170,B=32
HD221170	FS592	23	27	05.0	+30	09	00	7.7			47	LWR 11702	L	L	0	030	00	81	279	15	10	V	/		501 MN=195
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	SWP 14879	L	L	0	030	00	81	245	08	15	G	82	095	B=15
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	LWR 11455	L	L	0	025	00	81	245	09	10	G	82	095	E=164,C=90,B=26
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	SWP 14880	L	L	0	060	00	81	245	09	47	G	82	095	E=55,C=53,B=32
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	LWR 11456	L	L	0	025	00	81	245	10	55	G	82	095	E=170,C=70,B=30
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	SWP 14881	L	L	0	060	00	81	245	11	29	G	82	095	E=66,C=60,B=25
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	LWR 11457	L	L	0	025	00	81	245	12	37	G	82	095	E=163,C=80,B=33
OOOEQPEG	FSDJR	23	29	20.0	+19	39	42	10.4		M5 V	48	SWP 14882	L	L	0	060	00	81	245	13	11	G	82	095	B=73
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14885	L	L	0	030	00	81	245	19	00	V	/		121
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14885	L	S	0	030	00	81	245	19	36	V	/		121
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14886	L	L	0	030	00	81	245	20	34	V	/		121
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14886	L	S	0	030	00	81	245	21	08	V	/		121
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	LWR 11459	L	L	0	025	00	81	245	22	10	V	/		242 MICROPHONICS
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14887	L	L	0	030	00	81	245	22	40	V	/		120
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14887	L	S	0	032	00	81	245	23	15	V	/		120
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14894	L	L	0	030	00	81	246	19	31	V	/		120
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14894	L	L	0	030	00	81	246	20	05	V	/		120
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	LWR 11466	L	L	0	025	00	81	246	20	44	V	/		242
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14895	L	L	0	040	00	81	246	21	14	V	/		120
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14895	L	L	0	020	00	81	246	22	01	V	/		110
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	LWR 11467	L	L	0	024	00	81	246	22	26	V	/		253 MICROPHONICS
EQ PEG	UK455	23	29	20.0	+19	40	00	10.2			52	SWP 14896	L	L	0	053	00	81	246	22	54	V	/		231
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2	36	SWP 14975	L	L	0	003	30	81	256	08	15	G	82	102	C=170,B=15
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2	36	SWP 14975	L	S	0	007	00	81	256	08	26	G	82	102	C=180,B=18
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2	36	LWR 11532	L	S	0	002	20	81	256	08	40	G	82	101	C=210,B=26
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2	36	LWR 11532	L	L	0	001	10	81	256	08	47	G	82	101	C=200,B=26
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2	36	SWP 14976	L	L	0	004	30	81	256	09	43	G	82	102	C=210,B=18

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2		36	SWP 14976	L	S	0	009	00	81	256	09	53	G	82/102	C=240,B=18
HD 221568	BPDJJ	23	30	26.7	+57	37	45	08.9		A2		37	LWR 11533	H	L	0	060	00	81	256	10	07	G	82/101	C=205,B=78
Z AND	AA545	23	31	15.0	48	32	00	10.3				57	LWR 10428	L	L	0	020	00	81	114	08	53	V	/	452
Z AND	AA545	23	31	15.0	48	32	00	10.3				57	SWP 13796	H	L	0	024	00	81	114	09	22	V	/	032
JN-1	NPDJK	23	33	23.9	+30	11	23	16.1				70	SWP 14402	L	L	0	090	00	81	186	09	04	G	82/033	E=124,B=25
JN 1	NPDJK	23	33	24.1	+30	11	26	0.0			SD	70	SWP 15104	L	L	0	085	00	81	269	14	35	G	82/115	C=95,B=22
HD 222404	MGDDM	23	37	17.0	+77	20	00	3.2		K1	IV	46	LWR 11710	H	L	0	035	00	81	280	04	09	G	82/124	E=255,C=225,B=30
L151234B	FBDJL	23	41	21.0	+32	16	12	12.9		B7	WD	37	SWP 14657	L	L	0	055	00	81	217	09	26	G	82/062	C=140,B=46
L151234B	FBDJL	23	41	21.0	+32	16	12	12.9		B7	WD	37	LWR 11249	L	L	0	060	00	81	217	10	25	G	82/062	C=230,B=65
HD 223075	CSDHJ	23	43	50.1	+03	12	34	5.0		NO	IB	50	LWR 11843	L	L	0	120	00	81	299	05	12	G	82/146	E=225,C=118,B=45
PKS 2344+092	QSDRP	23	44	03.7	+09	14	05	16.0				85	LWR 11454	L	L	0	390	00	81	245	01	15	G	82/095	E=143,C=185,B=58
HD223552	CZ502	23	47	52.0	+51	21	00	06.4				41	LWR 11453	H	L	0	050	00	81	244	18	38	V	/	633 MICROPHONICS
H 223552	CZ502	23	47	53.0	+51	20	00	6.4				41	SWP 14002	L	L	0	078	00	81	140	05	36	V	/	801
H 223552	CZ502	23	47	53.0	+51	20	00	6.4				41	SWP 14003	L	L	0	017	00	81	140	07	29	V	/	651
HD 223987	NSDJR	23	51	43.2	+61	19	40	7.5		B1	IB	23	SWP 13763	H	L	0	070	00	81	110	21	19	G	81/320	E=122,C=78,B=32
HD224085	UK487	23	52	26.0	+28	23	00	7.4				47	LWR 11652	H	L	0	025	00	81	274	15	17	V	/	232 4-MIN HTR W-UP
HD224085	UK487	23	52	26.0	+28	23	00	7.4				47	SWP 15147	L	L	0	100	00	81	274	15	46	V	/	261
HD224085	UK487	23	52	26.0	+28	23	00	7.4				46	LWR 11673	H	L	0	035	00	81	276	18	03	V	/	333 4-MIN HTR W-UP
HD224085	UK487	23	52	26.0	+28	23	00	7.4				46	SWP 15166	L	L	0	100	00	81	276	18	44	V	/	251
HD224085	UK487	23	52	26.0	+28	23	00	7.4				46	SWP 15174	L	L	0	080	00	81	277	16	21	V	/	331
HD224085	UK487	23	52	26.0	+28	23	00	7.4				46	LWR 11684	H	L	0	035	00	81	277	17	44	V	/	343 4-MIN HTR W-UP
HD 224085	RSDCB	23	52	29.0	+28	21	17	7.4		K2	III	39	LWR 11555	H	L	0	060	00	81	258	09	39	G	82/101	E=255,C=60,B=40
HD 224085	RSDCB	23	52	29.0	+28	21	17	7.4		K2	III	39	SWP 14999	L	L	0	070	00	81	258	10	43	G	82/102	E=2X,C=53,B=50
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	LWR 11655	H	L	0	025	00	81	275	03	04	G	82/117	E=110,CB=26
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	SWP 15151	L	L	0	080	00	81	275	03	40	G	82/118	E=129,C=80,B=26
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	LWR 11667	H	L	0	035	00	81	276	02	00	G	82/118	E=115,C=70,B=32
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	SWP 15160	L	L	0	080	00	81	276	02	40	G	82/124	E=116,B=18
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	LWR 11690	H	L	0	030	00	81	278	10	36	G	82/124	E=201,B=65
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	LWR 11714	H	L	0	035	00	81	280	08	34	G	82/124	E=196,B=37
HD 224085	RSDJL	23	52	29.1	+28	21	17	7.4		K2	IV	46	SWP 15196	L	L	0	040	00	81	280	09	13	G	82/129	E=255,B=40
HD 224085	RSDJL	23	52	30.4	+28	21	18	7.4		K2	IV	46	LWR 11680	H	L	0	045	00	81	277	08	28	G	82/118	E=180,C=90,B=42
HD 224085	RSDJL	23	52	30.4	+28	21	18	7.4		K2	IV	46	SWP 15171	L	L	0	080	00	81	277	09	19	G	82/118	E=161,B=51
HD 224085	RSDJL	23	52	30.4	+28	21	18	7.4		K2	IV	46	SWP 15182	L	L	0	050	00	81	278	11	14	G	82/124	E=255,C=166,B=110

	OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V		SPEC TYPE		OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
		PHCAL	15	50	01.0	+33	05	28							SWP 15239	L	L	0	000	13	81	284	21	38	V	82	210	
BD	+33 2642	PHCAL	15	50	01.0	+33	05	28							LWR 11754	L	L	0	003	09	81	284	20	15	V	82	194	NO COMMENTS
	+75 325	PHCAL	08	04	43.2	+33	05	28							LWR 11755	L	L	0	000	23	81	284	21	30	V	82	210	
	HD218356	UK482	23	04	40.0	+25	12	00	4.8					00	SWP 15283	H	L	0	000	00	81	290	09	25	V	/		239 ST/FIN GSFC 1040
	SERENDIP	UK472	00	00	00.0	-00	00	00	00.0					00	LWP 1350	L	L	0	360	00	81	237	21	19	V	/		003 READ AT GSFC
	JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14183	L	L	0	015	00	81	155	16	22	G	82	011	E-173,C=3-5X,B=20
	JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14184	L	L	0	015	00	81	155	17	04	G	82	011	E=172,C=3-5X,B=26
	JUP NP	SJDHM	00	00	00.0	00	00	00						03	SWP 14185	L	L	0	015	00	81	155	17	46	G	82	011	E=172,C=3-5X,B=26
	JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14186	L	L	0	014	00	81	155	20	04	G	82	011	E=144,C=3-5X,B=25
	JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14187	L	L	0	014	00	81	155	20	42	G	82	011	E=148,C=3-5X,B=25
	JUP NP	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14188	L	L	0	021	00	81	155	21	22	G	82	011	E=162,C=7X,B=23
	SATURN	SPDHM	12	25	43.7	-00	18	23	+1.2					03	SWP 14719	L	L	0	030	00	81	223	03	06	G	82	067	E=123,C=2X,B=25
	SATURN	SPDHM	12	25	51.6	-00	19	07	+1.2					03	LWR 11286	L	S	0	000	49	81	223	10	53	G	82	067	C=217,B=27
	SATURN	SPDHM	12	25	51.6	-00	19	07	+1.2					03	SWP 14722	L	L	0	038	00	81	223	10	58	G	82	067	C=5X,B=36
	SATURN	SPDHM	12	25	53.0	-00	19	16	+1.2					03	LWR 11287	L	S	0	002	29	81	223	12	16	G	82	067	C=3X,B=26
	SATURN	SPDHM	12	25	53.0	-00	19	11	+1.2					03	SWP 14723	L	L	0	034	00	81	223	12	30	G	82	067	C=3-5X,B=32
	SATURN	SPDHM	12	25	54.4	-00	19	25	+1.2					03	SWP 14724	L	L	0	015	00	81	223	13	52	G	82	067	C=1.5X,B=26
	SATURN	SPDHM	12	25	55.2	-00	19	27	+1.2					03	LWR 11289	L	L	0	000	49	81	223	14	56	G	82	067	C=3-5X,B=25
	SATURN	SPDHM	12	25	55.6	-00	19	43	+1.2					03	SWP 14725	L	L	0	027	00	81	223	15	11	G	82	067	C=3X,B=53
	URANUS	SPDJC	15	34	22.9	-19	01	15	5.5					03	SWP 14437	L	L	0	070	00	81	191	10	39	G	82	041	C=125,B=44
	JUP + L	SJDJT	12	19	26.8	-00	46	22	-1.6			G2	V	03	LWR 11127	L	S	0	000	29	81	204	18	20	G	82	049	C=1.5X,B=20
	JUP GRS	SJDJT	12	19	25.0	-00	46	17	-1.6	*		G2	V	03	LWR 11123	H	S	0	020	00	81	204	11	59	G	82	049	E=146,C=30%X,B=35
	JUPITER	SPDJC	12	11	24.0	-00	08	47	-2.0					03	LWR 11040	H	S	C	735	00	81	190	21	02	G	82	041	C=50X,B=50X
	JUPITER	SPDJC	12	12	39.0	-00	00	00	-2.0					03	SWP 14445	H	S	C	625	00	81	191	23	17	G	82	039	C=1.5-2X,B=120
	JUPITER	SJDJT	12	19	26.2	-00	46	10	-1.6			G2	V	03	SWP 14543	H	L	0	190	00	81	204	05	05	G	82	049	E=2X,C=5X,B=70
	JUPITER	SJDJT	12	20	28.8	-00	53	27	-1.6			G2	V	03	SWP 14552	H	L	0	020	00	81	206	10	55	G	82	049	E=120,C=30%,B=45
	NEPTUNE	SPDJC	17	27	24.0	-21	52	06	7.5					03	SWP 14423	L	S	0	780	00	81	189	06	01	G	82	035	C=190,B=134
	NEPTUNE	SPDJC	17	27	17.0	-21	52	30	7.5					03	SWP 14427	L	S	0	815	00	81	189	21	53	G	82	035	C=190,B=126
	NEPTUNE	SPDJC	17	27	00.0	-21	51	58	7.5					03	LWR 11045	L	L	0	075	00	81	192	10	34	G	82	039	C=3-5X,B=40
	SATURN	SPDHM	12	25	54.4	-00	19	25	+1.2					03	LWR 11288	L	L	0	000	02	81	223	13	49	G	82	067	C=124,B=22
	GEO CORN	KF521	15	44	30.0	-19	34	00	00.0					03	SWP 13873	L	L	0	026	00	81	123	07	21	V	/		231
	IO TORUS	SJDHM	00	00	00.0	00	00	00	-1.7					03	SWP 14182	L	L	0	380	00	81	155	06	59	G	82	011	B=82
	JUP GRS	SJDJT	12	19	26.2	-00	46	19	-1.6			G2	V	03	LWR 11122	L	S	0	000	14	81	204	11	18	G	82	049	C=200,B=24
	JUP GRS	SJDJT	12	20	28.8	-00	53	34	-1.6			G2	V	03	LWR 11140	H	L	0	020	00	81	206	11	34	G	82	049	E=115,C=30%,B=40
	JUP GRS	SJDJT	12	20	29.3	-00	53	30	-1.6			G2	V	03	LWR 11141	H	S	0	080	00	81	206	12	42	G	82	049	E=3X,C=4X,B=80
	JUP +25	SJDJT	12	19	26.2	-00	46	10	-1.6			G2	V	03	LWR 11117	L	S	0	000	14	81	204	05	01	G	82	049	C=180,B=25
	JUP +25	SJDJT	12	19	26.2	-00	46	10	-1.6			G2	V	03	LWR 11119	H	S	0	035	00	81	204	06	25	G	82	049	C=1.5X,B=38
	JUP +25	SJDJT	12	20	28.9	-00	53	20	-1.6			G2	V	03	LWR 11139	H	S	0	240	00	81	206	05	05	G	82	049	C=12X,B=122
	JUP -15	SJDJT	12	19	25.8	-00	46	21	-1.6			G2	V	03	LWR 11118	L	S	0	000	14	81	204	05	43	G	82	049	C=215,B=24
	JUP -15	SJDJT	12	19	25.8	-00	46	21	-1.6			G2	V	03	LWR 11120	H	S	0	020	00	81	204	07	51	G	82	049	C=1.1X,B=32

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
JUP CENT	SJDJT	12	19	26.0	-00	46	17	-1.6		G2 V	03	LWR 11121	L	S	0	000	14	81	204	08	56	G	82	049	C=195,B=22
JUP+25CM	SJDJT	12	19	26.2	-00	46	10	-1.6		G2 V	03	LWR 11124	H	S	0	020	00	81	204	13	03	G	82	049	E=108,C=30%X,B=35
JUP-15CM	SJDJT	12	19	25.9	-00	46	21	-1.6		G2 V	03	LWR 11126	H	S	0	080	00	81	204	16	11	G	82	049	E=2X,C=4X,B=65
JUP-15CM	SJDJT	12	20	28.6	-00	53	31	-1.6		G2 V	03	LWR 11142	H	S	0	235	00	81	206	14	45	G	82	049	E=10X,C=15,B=145
JUPIT +P	SJDJT	12	20	29.1	-00	53	14	-1.6		G2 V	03	LWR 11143	L	S	0	000	29	81	206	19	19	G	82	049	E=216,C=160,B=23
JUPITER	KF521	12	05	48.0	+01	02	00	-1.9			03	SWP 13871	L	L	0	008	00	81	123	01	44	V	/		850
JUPITER	UK436	12	11	40.0	+00	07	00	-1.5			03	LWR 11040	H	S	C	000	00	81	190	21	02	V	/		000 EXP CONT AT GSFC
JUPITER	UK436	12	11	40.0	+00	07	00	-1.5			03	SWP 14435	L	S	C	200	00	81	190	21	47	V	/		032 SKY BACKGROUND
JUPITER	UK436	12	11	40.0	+00	07	00	-1.5			03	SWP 14436	L	S	C	085	00	81	191	02	20	V	/		032 SKY BACKGROUND
JUPITER	MC603	12	12	14.0	+00	03	00	-2.5			03	SWP 14445	H	S	C	000	00	81	191	23	17	V	/		000 EXP ST/END AT GS
JUPITER	SJDJT	12	19	26.2	-00	46	10			G2 V	03	LWR 11125	H	S	0	080	00	81	204	14	07	G	82	049	E=30%X,C=4X,B=50
JUPITER	SJDJT	12	19	26.2	-00	46	10	-1.6		G2 V	03	SWP 14544	H	L	0	095	00	81	204	17	34	G	82	049	E=180,C=3X,B=55
NEPTUNE	UK436	17	27	24.0	-21	52	00	7.7			03	SWP 14423	L	S	0	000	00	81	188	22	24	V	/		000 EXP CONT AT GSFC
NEPTUNE	MC603	17	27	18.0	-21	52	00	7.7			03	SWP 14427	L	S	0	000	00	81	189	21	53	V	/		000 EXP CONT AT GSFC
SATURN	KF521	12	16	48.0	+01	02	00	0.9			03	SWP 13872	L	L	0	030	00	81	123	03	34	V	/		831
SAT2"DEC	SPDHM	12	25	46.4	-00	18	38	+1.2			03	LWR 11285	L	S	0	001	29	81	223	05	03	G	82	067	C=2X,B=27
SAT2"DEC	SPDHM	12	25	47.2	-00	18	42	+1.2			03	SWP 14721	L	L	0	168	00	81	223	05	43	G	82	067	E=4X,C=10X,B=60
SAT7"DEC	SPDHM	12	25	45.5	-00	18	28	+1.2			03	SWP 14720	L	L	0	038	00	81	223	04	13	G	82	067	E=144,C=2X,B=25
URANUS	KF521	15	34	42.0	-19	02	00	5.8			03	SWP 14413	L	S	0	125	00	81	187	22	46	V	/		331
URANUS	KF521	15	34	42.0	-19	02	00	5.8			03	SWP 14413	L	L	0	059	24	81	187	22	46	V	/		041
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2 V	04	LWR 10578	L	L	0	017	40	81	132	08	56	G	81	356	C=200,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.0		G2 V	04	LWR 10579	L	L	0	017	54	81	132	09	43	G	81	355	C=206,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2 V	04	LWR 10583	L	L	0	018	00	81	132	12	53	G	81	355	C=214,B=30
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2 V	04	LWR 10594	L	L	0	014	44	81	133	08	51	G	81	354	C=215,B=25
IO	SJDDM	00	00	00.0	000	00	00	5.5		G2	04	LWR 10863	L	L	0	020	30	81	166	07	45	G	82	011	E=255,C=230,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2 V	04	LWR 10871	L	L	0	015	49	81	167	09	40	G	82	014	C=170,B=25
IO	SJDDM	00	00	00.0	00	00	00	5.5		G2 V	04	LWR 10872	L	L	0	015	49	81	167	10	34	G	82	018	C=208,B=38
IO	SJDDM	12	04	46.5	+00	59	29	5.0		G2 V	04	LWR 10882	L	L	0	034	30	81	168	15	14	G	82	014	C=200,B=50
IO	SJDDM	12	04	46.5	+00	59	29	5.0		G2 V	04	LWR 10886	L	L	0	030	00	81	168	19	28	G	82	025	C=210,B=38
IO	SJDDM	12	04	52.8	+00	56	21	5.0		G2 V	04	LWR 10895	L	L	0	040	00	81	169	15	41	G	82	014	C=202,B=34
IO	SJDDM	12	04	52.3	+00	56	22	5.5		G2 V	04	LWR 10897	L	L	0	040	00	81	169	18	27	G	82	014	C=219,B=35
RHEA	SSDAL	00	00	00.0	00	00	00	9.9		G2 V	04	LWR 10602	L	L	0	090	00	81	133	20	32	G	81	354	C=1.5X,B=88
RHEA	SSDAL	00	00	00.0	00	00	00	9.7		G2 V	04	LWR 10603	L	L	0	055	00	81	133	22	47	G	81	348	C=210,B=39
RHEA	SSDAL	00	00	00.0	00	00	00	9.8		G2 V	04	LWR 10608	L	L	0	055	00	81	134	08	37	G	81	354	C=180,B=35
RHEA	SSDAL	00	00	00.0	00	00	00	9.8		G2 V	04	LWR 10609	L	L	0	080	00	81	134	10	11	G	81	351	C=225,B=40
RHEA	SSDAL	00	00	00.0	00	00	00	9.9		G2 V	04	LWR 10620	L	L	0	050	00	81	135	20	38	G	81	356	C=105,B=35
RHEA	SSDAL	00	00	00.0	00	00	00	9.9		G2 V	04	LWR 10621	L	L	0	070	00	81	135	22	11	G	81	356	C=165,B=41
RHEA	SSDAL	12	13	45.2	+01	11	02	10.4		G2 V	04	LWR 10878	L	L	0	067	00	81	168	06	45	G	82	014	C=200,B=32
RHEA	SSDAL	12	13	56.9	+01	10	02	9.7		G2 V	04	LWR 10898	L	L	0	090	00	81	169	20	06	G	82	014	C=209,B=43
DIONE	SSDAL	12	13	40.0	+01	11	27	10.8		G2	04	LWR 10874	L	L	0	115	00	81	167	14	58	G	82	014	C=185,B=50

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
DIONE	SSDAL	12	13	40.0	+01	11	25	10.8		G2	04	LWR 10875	L	L	0	210	00	81	167	17	47	G	82	011	C=260,B=65
DIONE	SSDAL	12	13	53.2	+01	10	21	10.4		G2 V	04	LWR 10891	L	L	0	115	00	81	169	06	48	G	82	014	C=250,B=35
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2 V	04	LWR 10600	L	L	0	013	00	81	133	18	31	G	81	351	C=200,B=29
IO	SJDDM	00	00	00.0	00	00	00	5.6		G2 V	04	LWR 10601	L	L	0	013	00	81	133	19	18	G	81	351	C=205,B=35
EUROPA	SJDDM	00	00	00.0	00	00	00	5.0		G2 V	04	LWR 10580	L	L	0	003	15	81	132	10	36	G	81	355	C=211,B=23
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2 V	04	LWR 10582	L	L	0	003	00	81	132	12	20	G	81	355	C=88,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2 V	04	LWR 10595	H	L	0	095	00	81	133	10	07	G	81	354	C=220,B=43
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2 V	04	LWR 10596	L	L	0	001	34	81	133	12	20	G	81	354	C=210,B=24
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2 V	04	LWR 10616	H	L	0	100	00	81	134	21	48	G	81	351	C=165,B=70
EUROPA	SJDDM	12	04	04.6	+01	02	03	5.5		G2 V	04	LWR 10870	H	L	0	120	00	81	167	06	43	G	82	014	C=120,B=35
EUROPA	SJDDM	12	04	42.5	+00	57	36	5.0		G2 V	04	LWR 10883	L	L	0	003	00	81	168	16	52	G	82	025	C=184,B=25
EUROPA	SJDDM	12	04	42.5	+00	57	36	5.0		G2 V	04	LWR 10884	L	L	0	004	48	81	168	17	36	G	82	025	C=245,B=33
EUROPA	SJDDM	12	04	42.5	+00	57	36	5.0		G2 V	04	LWR 10885	L	L	0	008	00	81	168	18	26	G	82	025	C=2X,B=30
EUROPA	SJDDM	12	04	52.8	+00	56	21	5.5		G2 V	04	LWR 10896	L	L	0	003	30	81	169	17	16	G	82	014	C=72,B=28
IAPETUS	SSDAL	00	00	00.0	00	00	00	11.		*	04	LWR 10573	L	L	0	646	00	81	131	09	13	G	81	340	C=225,B=85
IAPETUS	SSDAL	00	00	00.0	00	00	00	12.3		G2 V	04	LWR 10619	L	L	0	390	00	81	135	08	59	G	81	356	C=190,B=68
IAPETUS	SSDAL	12	13	42.8	+01	11	02	10.5		G2 V	04	LWR 10879	L	L	0	120	00	81	168	08	46	G	82	014	C=255,B=38
IAPETUS	SSDAL	12	13	16.8	+01	11	49	10.3		G2 V	04	LWR 10892	L	L	0	100	00	81	169	09	34	G	82	014	C=230,B=35
JUPITER	SJDDM	12	04	02.8	+01	02	25	5.0		G2	04	LWR 10862	L	L	0	021	00	81	166	06	56	G	82	011	E=254,C=190,B=25
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.0		G2 V	04	LWR 10581	L	L	0	003	00	81	132	11	20	G	81	355	C=194,B=25
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.0		G2 V	04	LWR 10589	L	L	0	003	09	81	132	20	20	G	81	351	C=195,B=25
CALLISTO	SJDDM	00	00	00.0	00	00	00	6.5		G2 V	04	LWR 10597	L	L	0	003	00	81	133	13	21	G	81	348	C=205,B=28
CALLISTO	SJDDM	00	00	00.0	00	00	00	6		G2 V	04	LWR 10615	L	L	0	005	10	81	134	20	51	G	81	351	C=200,B=32
CALLISTO	SJDDM	12	03	46.4	+01	04	13			G2 V	04	LWR 10868	L	L	0	060	30	81	166	20	41	G	82	011	C=165,B=24
CALLISTO	SJDDM	12	03	46.4	+01	04	13	5.5		G2	04	LWR 10869	L	L	0	007	00	81	166	21	22	G	82	011	C=1.1X,B=26
CALLISTO	SJDDM	12	04	28.7	+00	58	48	6.0		G2 V	04	LWR 10888	L	L	0	007	20	81	168	21	26	G	82	025	C=205,B=32
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2 V	04	LWR 10587	L	L	0	002	44	81	132	18	31	G	81	351	C=220,B=26
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2 V	04	LWR 10588	L	L	0	002	14	81	132	19	33	G	81	351	C=221,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.2		G2 V	04	LWR 10591	L	L	0	001	54	81	132	22	57	G	81	348	C=180,B=25
EUROPA	SJDDM	00	00	00.0	00	00	00	5.3		G2 V	04	LWR 10592	L	L	0	003	49	81	132	23	33	G	81	351	C=1.3X,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.9		G2 V	04	LWR 10585	L	L	0	001	34	81	132	17	16	G	81	351	C=230,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2 V	04	LWR 10586	L	L	0	001	24	81	132	17	54	G	81	351	C=220,B=26
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2 V	04	LWR 10590	H	L	0	075	00	81	132	21	01	G	81	354	C=215,B=54
GANYMEDE	SJDDM	00	00	00.0	00	00	00	4.7		G2 V	04	LWR 10599	L	L	0	001	11	81	133	17	36	G	81	351	C=170,B=25
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5		G2 V	04	LWR 10613	H	L	0	080	00	81	134	18	03	G	81	351	C=230,B=82
GANYMEDE	SJDDM	00	00	00.0	00	00	00	5		G2 V	04	LWR 10614	L	L	0	002	30	81	134	19	58	G	81	351	C=170,B=25
GANYMEDE	SJDDM	00	00	00.0	000	00	00	5.0		G2 V	04	LWR 10864	H	L	0	140	00	81	166	08	42	G	82	011	E=1.5X,C=1.3X,B=58
GANYMEDE	SJDDM	12	04	24.0	+00	59	52	5.		G2 V	04	LWR 10887	L	L	0	003	00	81	168	20	38	G	82	014	C=178,B=32
IAPETOS	SSDAL	12	13	06.2	+01	13	26	10.5		G2 V	04	LWR 10867	L	L	0	180	00	81	166	16	32	G	82	011	C=1.1X,B=50
ANTIGONE	UK420	18	08	29.0	-15	42	00	10.7			05	LWR 11350	L	L	0	100	00	81	228	19	12	V	/		404 4-MIN HTR WARM U

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	HR MN	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
DAPHNE	UK420	20 34 18.0	-01 09 00	11.4			05	LWR 11366	L	L	0	342 00	81 230	19 53	V	/	609 4-MIN HTR WARM U
HERTHA	UK420	20 30 18.0	-21 19 00	10.1			05	LWR 11351	L	L	0	050 00	81 228	22 19	V	/	404 4-MIN HTR WARM U
THISBE	UK420	17 53 09.0	-21 46 00	10.9			05	LWR 11352	L	L	0	068 00	81 229	00 34	V	/	304 4-MIN HTR WARM U
20MASSIL	SADDM	10 32 52.8	+08 44 51	10.7		G2 V	05	LWR 10598	L	L	0	105 00	81 133	14 50	G	81/351	C=200,B=75
20MASSIL	SADDM	10 33 35.4	+08 41 06	10.7		G2 V	05	LWR 10612	L	L	0	090 00	81 134	15 29	G	81/351	C=200,B=72
29 AMPH.	SADDM	15 14 43.6	-26 54 19	10.5		G2 V	05	LWR 10873	L	L	0	070 00	81 167	12 21	G	82/014	C=185,B=33
29 AMPHI	SADDM	15 15 20.6	-26 57 45	10.0		G2	05	LWR 10865	L	L	0	052 00	81 166	12 28	G	82/011	NO COMMENTS
29 AMPHI	SADDM	15 15 20.6	-26 57 45	10.5			05	LWR 10866	L	L	0	070 00	81 166	14 06	G	82/011	C=180,B=32
4 VESTA	SADDM	10 15 48.0	+19 23 00	8.2		G2 V	05	LWR 10584	L	L	0	014 00	81 132	15 58	G	81/351	C=260,B=29
4 VESTA	SADDM	10 17 08.4	+19 12 28	7.4		G2 V	05	LWR 10610	L	L	0	020 00	81 134	12 37	G	81/351	C=185,B=30
4 VESTA	SADDM	10 17 10.8	+19 12 09	7.4		G2 V	05	LWR 10611	L	L	0	020 00	81 134	14 11	G	81/351	C=205,B=27
4 VESTA	SADDM	10 18 03.0	+19 03 53	7.4		G2 V	05	SWP 13973	L	L	0	120 00	81 135	14 05	G	81/340	C=58,B=42
9 METIS	SADDM	16 26 00.6	-22 40 49	11.0		G2 V	05	LWR 10880	L	L	0	075 00	81 168	11 58	G	82/014	C=150,B=33
9 METIS	SADDM	16 25 03.8	-22 40 30	11.0		G2 V	05	LWR 10893	L	L	0	086 00	81 169	12 19	G	82/014	C=185,B=43
HD215835	UK438	22 44 54.0	+57 49 00	08.6			06	SWP 14619	L	L	0	003 34	81 213	18 40	V	/	501
HD215835	UK438	22 44 54.0	+57 49 00	08.6			06	LWR 11209	L	L	0	001 16	81 213	19 25	V	/	502
HD215835	UK438	22 44 54.0	+57 49 00	08.6			06	SWP 14620	H	L	0	250 00	81 213	20 06	V	/	503
HD215835	UK438	22 44 54.0	+57 49 00	08.6			06	LWR 11210	H	L	0	085 00	81 214	00 20	V	/	438
SKY	PHCAL	00 00 00.0	00 00 00				07	LWR 10341	H	L	0	001 49	81 102	01 25	G	81/308	NO COMMENTS
SKY	NPDSM						07	LWR 10713	L	L		120 00	81 146	07 18	G	81/361	B=42
SKY	NPDSM						07	LWR 10714	L	L		110 00	81 146	12 35	G	81/361	B=39
SKY	PHCAL	03 02 35.7	-22 23 28				07	LWR 10919	H	L	0	005 00	81 172	10 59	G	82/011	B=22
SKY	GHDTG	11 36 33.0	-37 27 41				07	SWP 14408	L	L	0	840 00	81 186	21 10	G	82/033	B=115
SKY	IGDDY	21 27 35.9	+11 56 59				07	SWP 15571	L	L	0	795 00	81 330	13 34	G	82/180	C=150,B=98
SKY	IGDDY	01 00 35.9	-71 07 00				07	SWP 15573	H	L	0	825 00	81 331	12 14	G	82/180	B=110
SKY	GHDDY	00 00 00.0	00 00 00				07	LWR 10335	L	L	0	980 00	81 101	02 19	G	81/308	B=128
SKY	GHDTG	11 36 33.0	-37 27 41				07	SWP 14393	L	L	0	735 00	81 184	23 05	G	82/033	B=100
SKYBKGD	PHCAL	05 10 00.1	+38 25 37				07	LWR 11447	H	L	0	030 00	81 243	14 03	G	82/081	B=43
BACKGRND	GHDDY	00 00 00.0	00 00 00				07	LWP 1311	H	L	0	400 00	81 103	10 09	G	/	NO COMMENTS
BACKGRND	SSDAL	00 00 00.0	00 00 00	+23			07	SWP 13959	L	L	0	340 00	81 131	17 26	G	81/340	B=75
BACKGRND	SJDDM	00 00 00.0	00 00 00				07	SWP 13968	L	L	0	195 00	81 133	19 22	G	81/336	B=53
BACKGRND	CCDKH	14 35 54.6	-60 37 38				07	SWP 13988	L	S	0	002 41	81 137	19 56	G	81/357	NO COMMENTS
BACKGRND	NPDSM	00 00 00.0	00 00 00				07	LWR 10682	L	L	0	190 00	81 143	08 46	G	81/361	B=50
BACKGRND	CCDKH	05 04 39.0	-57 32 22				07	SWP 14034	L	S	0	031 00	81 143	16 14	G	81/361	NO COMMENTS
BACKGRND	CCDKH	21 59 48.0	-57 00 53				07	SWP 14035	L	S	0	015 00	81 143	17 52	G	81/361	NO COMMENTS
BACKGRND	CCDKH	14 35 56.1	-60 37 19				07	SWP 14037	L	S	0	003 00	81 143	20 31	G	81/361	NO COMMENTS
BACKGRND	CCDKH	14 35 54.6	-60 37 38				07	SWP 14038	L	S	0	002 39	81 143	21 35	G	81/361	NO COMMENTS
BACKGRND	CCDKH	03 18 04.5	-43 15 11				07	SWP 14039	L	S	0	050 00	81 143	22 51	G	81/361	NO COMMENTS
BACKGRND	NPDSM						07	LWR 10711	L	L	0	050 00	81 146	00 52	G	81/361	B=34
BACKGRND	NPDSM						07	SWP 14075	L	L	0	180 00	81 146	02 40	G	81/362	E=255,B=40

OBJECT ID	PROG ID	TARGET RA HR MN SEC	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY	ST ID	RELEAS DATE YR DAY	OBSERVERS COMMENTS
BACKGRND	CCDKH	21 59 48.1	-57 00 54				07	SWP 14159	L	S	0	019 00	81 153 14 38	G	82/004	NO COMMENTS
BACKGRND	CCDKH	03 18 04.6	-43 15 12				07	SWP 14160	L	S	0	035 00	81 153 16 29	G	82/004	NO COMMENTS
BACKGRND	CCDKH	14 35 56.1	-60 37 19				07	SWP 14201	L	S	0	003 00	81 157 14 52	G	82/012	NO COMMENTS
BACKGRND	CCDKH	14 35 54.6	-60 37 38				07	SWP 14202	L	S	0	002 39	81 157 15 57	G	82/005	NO COMMENTS
BACKGRND	CCDKH	05 04 39.1	-57 32 22				07	SWP 14203	L	S	0	031 00	81 157 16 45	G	82/005	NO COMMENTS
BACKGRND	CCDKH	21 59 48.1	-57 00 54				07	SWP 14204	L	S	0	019 00	81 157 18 09	G	82/005	NO COMMENTS
BACKGRND	CCDKH	03 18 04.6	-43 15 12				07	SWP 14205	L	S	0	035 00	81 157 19 55	G	82/007	NO COMMENTS
BACKGRND	CCDKH	05 04 39.1	-57 32 22				07	SWP 14226	L	S	0	031 00	81 160 15 04	G	82/014	NO COMMENTS
BACKGRND	CCDKH	03 18 04.6	-43 15 12				07	SWP 14227	L	S	0	030 00	81 160 16 30	G	82/026	NONE
BACKGRND	CCDKH	14 35 56.1	-60 37 19	0.0			07	SWP 14255	L	S	0	003 00	81 165 14 57	G	82/018	NO COMMENTS
BACKGRND	CCDKH	14 35 54.6	-60 37 38				07	SWP 14256	L	S	0	002 39	81 165 16 04	G	82/014	NO COMMENTS
BACKGRND	CCDKH	05 04 39.1	-57 32 22				07	SWP 14257	L	S	0	031 00	81 165 16 53	G	82/014	NO COMMENTS
BACKGRND	CCDKH	03 18 04.6	-43 15 12				07	SWP 14258	L	S	0	035 00	81 165 18 19	G	82/014	NO COMMENTS
BACKGRND	CCDKH	21 59 48.1	-57 00 54				07	SWP 14259	L	S	0	019 00	81 165 20 11	G	82/014	NO COMMENTS
BACKGRND	SJDDM	00 00 00.0	00 00 00				07	SWP 14266	L	L	0	120 00	81 167 06 45	G	82/018	E=194,B=20
BACKGRND	CCDKH	14 35 54.6	-60 37 38				07	SWP 14302	L	S	0	002 40	81 173 15 58	G	82/025	NO COMMENTS
BACKGRND	CCDKH	21 59 48.1	-57 00 54				07	SWP 14303	L	S	0	019 01	81 173 17 26	G	82/025	NO COMMENTS
BACKGRND	QSDKD	01 24 50.1	+18 55 12				07	LWR 10949	L	L	0	360 00	81 177 06 39	G	82/026	B=52
BACKGRND	HSDRH	01 31 21.7	+30 19 12				07	SWP 14341	L	L	0	160 00	81 178 07 04	G	82/026	B=42
BACKGRND	QSDKD	01 24 50.1	+18 55 12				07	LWR 10961	L	L	0	235 00	81 179 06 38	G	82/033	B=40
BACKGRND	HSDRH	01 31 28.4	+30 23 13				07	LWR 10965	L	L	0	150 00	81 180 06 56	G	82/031	B=40
BACKGRND	HSDRH	01 31 28.4	+30 23 13				07	SWP 14356	L	L	0	175 00	81 180 10 24	G	82/031	B=50
BACKGRND	HSDRH	01 31 21.6	+30 19 16				07	SWP 14361	L	L	0	360 00	81 181 06 26	G	82/031	B=65
BACKGRND	QSDKD	01 24 50.2	+18 55 13				07	LWR 10980	L	L	0	200 00	81 182 06 29	G	82/033	B=50
BACKGRND	HZDAB	22 04 33.0	-40 51 36				07	LWP 1349	L	L	0	715 00	81 236 20 56	G	82/090	B=90
BACKGRND	MLDPH	05 42 26.7	-69 14 56				07	LWR 11507	L	L	0	350 00	81 254 01 20	G	82/129	C=95,B=65
BACKGRND	HSDRH	00 40 47.8	+40 55 46				07	SWP 15332	H	L	0	380 00	81 299 23 05	G	82/146	E=130,B=73
BACKGRND	HSDRH	00 40 48.7	+40 55 44				07	SWP 15332	L	S	0	380 00	81 299 23 06	G	82/146	NO COMMENTS
BACKGRND	HSDRH	00 42 05.5	+41 14 08				07	SWP 15336	L	L	0	390 00	81 300 22 56	G	82/146	E=255,B=70
BACKGRND	HSDRH	01 31 21.6	+30 19 16	16.7	EO.37	IA	07	LWR 11881	L	L	0	340 00	81 305 21 16	G	82/150	B=85
BACKGRND	QSDSG	12 00 32.5	+44 48 06				07	LWR 11925	L	L	0	205 00	81 309 21 02	G	82/147	C=50,B=50
BACKGRND	IGDDY	21 27 53.9	+11 56 59				07	SWP 15570	H	L	0	840 00	81 329 12 32	G	82/178	B=125
BACKGRND	IGDDY	21 27 36.0	+11 57 00				07	SWP 15571	L	S	0	795 00	81 330 20 56	G	82/180	C=150,B=98
BACKGRND	IGDDY	01 00 36.0	-71 07 01				07	SWP 15581	H	S	0	740 00	81 332 13 21	G	82/178	E=255,B=90-100
BACKGRND	IGDDY	01 00 36.0	-71 07 01				07	SWP 15581	L	L	0	740 00	81 332 13 21	G	82/178	E=255,B=90-100
BKGDSKY	PHCAL	05 10 00.1	+38 25 37				07	SWP 14869	H	L	0	009 37	81 243 14 06	G	82/081	B=28
BLNK FLD	CVDHB	20 22 39.9	+17 08 06	13.4			07	FES 1341	S	2		020 00	81 222 03 17	G	82/059	NO COMMENTS
SKY BKG	EGDJG	16 26 25.6	+39 38 29	12.0			07	LWP 1375	L	L	0	766 00	81 323 13 47	G	82/172	B=110
SKY BKGD	OD45B						07	SWP 13636	H	S	C	410 00	81 091 11 03	G	81/299	C=120,B=80
SKY BKGD	GHDDY	00 00 00.0	00 00 00				07	LWR 10347	H	L	0	000 00	81 103 21 57	G	81/312	B=175,EXP. 1150 MIN

OBJECT ID	PROG ID	TARGET RA HR	MN	SEC	TARGET DEC DEG	MN	SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P	A P R	L A P	EXPOSE TIME MIN	SE	OBSERVATION DATE YR	DAY	HR	MN	ST ID	RELEAS DATE YR	DAY	OBSERVERS COMMENTS
SKY BKGD	BLDDW	00	00	00.0	00	00	00				07 LWR	10492	L	L	0	250	00	81	121	09	12	G	81	328	B=50
SKY BKGD	BLDDW	00	00	00.0	00	00	00				07 LWR	10503	L	L	0	345	00	81	122	09	15	G	81	333	B=68
SKY BKGD	BLDDW	18	07	18.4	+69	48	56	14.7			07 LWR	11224	L	L	0	400	00	81	215	02	46	G	82	059	NO COMMENTS
SKY BKGD	QSDAB	02	32	10.1	-09	00	25				07 LWR	11267	L	L	0	250	00	81	220	03	10	G	82	076	C=40,B=40
SKY BKGD	HZDAB	22	04	33.0	-40	51	36				07 LWP	1350	L	L	0	360	00	81	237	21	19	G	82	095	B=50
SKY BKGD	HZDAB	22	04	33.0	-40	51	36				07 LWP	1351	L	L	0	220	00	81	238	04	43	G	82	090	B=45
SKY BKGN	CCDKH	03	18	04.7	-43	15	12			4.3 V	07 SWP	15286	L	S	0	033	00	81	291	10	54	G	82	136	NO COMMENTS
SKY BKGN	CCDKH	21	59	48.3	-57	00	54	4.7		K4 V	07 SWP	15287	L	S	0	019	00	81	291	12	07	G	82	136	NO COMMENTS
SKY BKGN	CCDKH	14	36	11.2	-60	37	49	0.0		G2 V	07 SWP	15288	L	S	0	003	00	81	291	13	25	G	82	136	NO COMMENTS
SKY BKGN	CSDHJ	02	32	29.6	-09	39	39			III	07 LWR	11844	L	S	0	040	00	81	299	08	21	G	82	146	NO COMMENTS
SKY BKGR	CCDRN	00	20	18.0	-12	29	15	6.4		G2 V	07 SWP	15350	L	S	0	120	00	81	304	06	55	G	82	150	E=142,C=160,B=73
SKY M-33	HSDRH	01	30	59.4	+30	22	47	17.1	EO.25	IA	07 SWP	15344	H	L	0	328	00	81	303	00	17	G	82	151	B=80
SKY M-33	HSDRH	01	30	59.4	+30	22	47	17.1	EO.25	IA	07 SWP	15344	L	L	0	328	00	81	303	00	18	G	82	151	B=80
SKYBKGND	MLDPH	05	42	30.9	-69	15	44				07 LWR	11500	L	L	0	380	00	81	253	00	52	G	82	110	C=160,B=70
SKYBKGRN	CSDHJ	05	33	46.0	-25	46	09				07 LWR	11841	L	S	0	120	00	81	298	22	21	G	82	146	NO COMMENTS
UNKNOWN	OD488	00	00	00.0	+00	00	00				07 SWP	13869	L	S	0	000	00	81	122	21	37	G	81	326	C=50,B=25