

## 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 for April 1, 1982 - March 31, 1983 and in Spain by ESA and the SERC for April 1 - December 31, 1982. Observing information for images obtained between April 1978 and March 31, 1982, have been recorded on microfiche as found in IUE Newsletter #19.

This log is ordered by RA except for observations of solar system objects and engineering images. Engineering images may be found at the beginning of the list while a separate listing of solar system targets sorted by object name 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 #19.

IUE OBSERVATORY LOG

MERGED LOG OF OBSERVATIONS

APRIL 1, 1982 THROUGH DECEMBER 31, 1982 FOR VILSPA  
APRIL 1, 1982 THROUGH MARCH 31, 1983 FOR GSFC

IN LOGS SORTED BY RIGHT ASCENSION SOLAR SYSTEM OBJECTS ARE LISTED SEPARATELY AT END

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)

BEGINNING MARCH 12, 1982, TRAILED IMAGES TAKEN AT GODDARD WILL BE FLAGGED WITH A T IN THE APERTURE FIELD.

MULTIPLE EXPOSURES TAKEN AT GODDARD WILL BE FLAGGED WITH AN M IN THE APERTURE FIELD.

AFTER THIS DATE THE COMMENTS FIELD WILL NO LONGER INDICATE THAT AN IMAGE IS TRAILED.

FOR FES IMAGES, THE FES UNIT USED IS INDICATED IN THE APERTURE COLUMN. CURRENTLY ONLY UNIT 2 IS AUTHORIZED

FOR ROUTINE USE.

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

EXPOSURE TIME: MINUTES AND SECONDS - IMAGES EXPOSED FOR LESS THAN ONE SECOND WILL HAVE ZERO EXPOSURE LENGTH IN LOG

DAY OF OBSERVATION: GMT EXPOSURE START TIME

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

PROCESSING DATE: THE DATE ON WHICH THE IMAGE WAS PROCESSED. THE STATE OF THE IMAGE PROCESSING SYSTEM AT BOTH GROUND STATIONS AS A FUNCTION OF DATE IS DOCUMENTED IN THE IUE NEWSLETTERS. THE MOST DETAILED INFORMATION OF THIS SORT APPEARS IN NASA IUE NEWSLETTER NO. 16.

- \*- AN ASTERISK TO THE RIGHT OF THE PROCESSING DATE INDICATES THAT THE IMAGE WAS NOT RELEASABLE AT THE TIME THE LOG WAS GENERATED. IMAGES ARE GENERALLY RELEASABLE FROM THE DATA CENTER SEVEN MONTHS FROM THE DAY OF OBSERVATION.
- L- A LETTER L TO THE RIGHT OF THE PROCESSING DATE INDICATES THAT THE DATA WERE LOST FOR THIS IMAGE AND CANNOT BE OBTAINED FROM ANY KNOWN SOURCE.
- R- A LETTER R TO THE RIGHT OF THE PROCESSING DATE INDICATES THAT THE IMAGE WAS NOT PROCESSED BUT THAT THE RAW DATA MAY BE OBTAINED FROM THE DATA CENTER.

COMMENTS - AS PROVIDED BY THE TELESCOPE OPERATOR:

GODDARD EXPOSURE CLASSIFICATION CODES

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 255 DN. POSSIBLE NON-LINEARITY AND SOFTWARE TRUNCATION OCCURS AT 190 DN.  
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.  
(AFTER MARCH 12, 1982 THE COMMENTS FIELD WILL NO LONGER INDICATE TRAILED IMAGES - A T WILL BE ENTERED IN THE APERTURE FIELD.)

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

VILSPA EXPOSURE CLASSIFICATION CODES

SINCE 1 AUGUST 1978 A TWO-DIGIT CODE HAS BEEN USED TO DESCRIBE EXPOSURE LEVELS FOR VILSPA IMAGES.

THIS CODE OCCUPIES THE FIRST TWO CHARACTER POSITIONS OF THE COMMENTS 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 BACKGROUND
- 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 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

HAS BEEN CODED AS FOLLOWS (LIMITS INCLUSIVE):

- 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

GLOSSARY OF OBJECT CLASSIFICATIONS

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 FO-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	A0-A3 V-IV	64	OTHER	98	WAVELENGTH CALIBRATION LAMP
31	A4-A9 V-IV	65	MISIDENTIFIED TARGETS	99	NULLS AND FLAT FIELDS
32	A0-A3 III-I	66	INTERACTING BINARIES		
33	A4-A9 III-I				

THE REMAINDER OF THE PREFACE CONSISTS OF LISTS OF OBSERVING PROGRAMS ACCEPTED BY THE THREE AGENCIES WHICH OPERATE THE IUE. THE LISTS ARE ORGANIZED ACCORDING TO THE AGENCY WHICH ACCEPTED THE PROPOSAL AND ARE THEN FURTHER DIVIDED BY THE EPISODE. THE LISTS OF PROGRAMS ACCEPTED BY ESA AND SERC ARE GENERALLY ORDERED BY THE THREE DIGIT NUMBER FOUND IN THE LAST THREE CHARACTERS OF THE PROGRAM ID. THE LIST OF FIRST EPISODE NASA PROGRAMS IS SORTED BY THE FIRST LETTER OF THE PROGRAM ID. THE REMAINING LISTS ARE SORTED BY THE LAST NAME OF THE PRINCIPAL INVESTIGATOR WHOSE INITIALS COMPRISE THE LAST TWO CHARACTERS OF THE PROGRAM ID. IN ADDITION, EXCEPT FOR THE FIRST EPISODE, THE EPISODE CAN BE DETERMINED BY THE THIRD LETTER OF THE PROGRAM ID - B INDICATES THE SECOND EPISODE, C THE THIRD, ETC. NASA DISCRETIONARY TIME PROGRAMS ARE LISTED SEPARATELY. DISCRETIONARY PROGRAM ID'S BEGIN WITH THE LETTERS OD. THE LIST IS ORDERED BY THE NUMBER FOUND IN THE PROGRAM ID.

LIST OF ABBREVIATIONS USED IN THE LIST OF OBSERVING PROGRAM

AAO - ANGLO-AUSTRALIAN OBSERVATORY  
AL - APPLETON LABORATORY  
ESA - EUROPEAN SPACE AGENCY  
GSFC - GODDARD SPACE FLIGHT AGENCY  
IC - IMPERIAL COLLEGE, LONDON  
MSSL - MULLARD SPACE SCIENCE LABORATORY  
NASA - NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
RGO - ROYAL GREENWICH OBSERVATORY  
RDE - ROYAL OBSERVATORY EDINBURGH

SBAD - SPACE & ASTROPHYSICS DIVISION OF RUTHERFORD & APPLETON LABORATORY  
SAAO - SOUTH AFRICAN ASTRONOMICAL OBSERVATORY  
SERC - SCIENCE AND ENGINEERING RESEARCH COUNCIL (UK)  
SRC - SCIENCE RESEARCH COUNCIL (UK)  
UCL - UNIVERSITY COLLEGE LONDON

FIFTH EPISODE ESA APPROVED PROGRAMS

- 5C004 'STELLAR ACTIVITY CYCLE IN BETA HYDRI' K. FREDGA - STOCKHOLM OBSERVATORY, SWEDEN
- 5E006 'UV OBSERVATIONS OF SUPERNOVAE' N. PANAGIA - ISTITUTO DI RADIOASTRONOMIA, BOLOGNA, ITALY
- 5A007 'THE BRIGHTEST HOT STARS IN THE LOCAL GROUP GALAXIES M 33 AND M 31' S. D'ODORICO - EUROPEAN SOUTHERN OBSERVATORY, GARCHING BEI MUNCHEN, GERMANY
- 5A008 'NON-LTE ANALYSIS OF CENTRAL STARS OF PLANETARY NEBULAE' R. P. KUDRITZKI - INSTITUT FUR THEORETISCHE PHYSIK UND STERNWART, KIEL, GERMANY
- 5S009 'THE LONG-TERM VARIABILITY OF THE LYMAN ALPHA EMISSION FROM JUPITER, SATURN, AND URANUS' K. H. FRICKE - PHYSIKALISCHES INSTITUT, BONN, GERMANY
- 5E010 'ULTRAVIOLET SPECTRUM OF SPIRAL GALAXIES' G. A. BRUZUAL - CENTRO DE INVESTIGACIONES DE ASTRONOMIA, MERIDA, VENEZUELA
- 5A011 'NON-LTE ANALYSIS OF SUBDWARF O-STARS' R. P. KUDRITZKI - INSTITUT FUR THEORETISCHE PHYSIK UND STERNWARTE, KIEL, GERMANY
- 5I012 'HIGH DISPERSION UV SPECTROSCOPY OF THE DWARF NOVA TT ARI' G. KLARE - LANDESSTERNWARTE KONIGSTUHL, HEIDELBERG, GERMANY
- 5C013 'SWP ECHELLE MODE OBSERVATIONS OF TWO LATE-TYPE BINARIES WITH EXTENSIVE CIRCUMSTELLAR MATERIAL' B. GUSTAFSSON - ASTRONOMISKA OBSERVATORIET, UPPSALA, SWEDEN
- 5A014 'ULTRAVIOLET SPECTROSCOPY OF WHITE DWARFS' V. WEIDEMANN - THEORETISCHE PHYSIK UND STERNWARTE, KIEL, GERMANY
- 5A015 'PULSATIONAL VARIABILITY OF EXTREME HELIUM STARS' D. SCHONBERNER - THEORETISCHE PHYSIK UND STERNWARTE, KIEL, GERMANY
- 5I020 'ULTRAVIOLET SPECTROSCOPY OF HZ HER NEAR X-RAY ECLIPSE' H. RITTER - MAX-PLANCK-INSTITUT FUR PHYSIK UND ASTROPHYSIK, GARCHING, GERMANY

5A024 'THE PROTOPLANETARY NEBULA V 1016 CYG' H. NUSSBAUMER - INSTITUTE OF ASTRONOMY, ZURICH, SWITZERLAND

5A025 'THE BRIGHTEST STAR OF THE LMC' B. WOLF - LANDESSTERNWARTE, KONIGSTUHL, HEIDELBERG, GERMANY

5A026 'HIGH RESOLUTION UV SPECTROGRAMS OF THE HUBBLE-SANDAGE VARIABLE S DOR' B. WOLF - LANDESSTERNWARTE, KONIGSTUHL, HEIDELBERG, GERMANY

5A027 'CONTINUUM RADIATION FROM HOT CENTRAL STARS OF PLANETARY NEBULAE' S. R. POTTASCH - KAPTEYN ASTRONOMICAL INSTITUTE GRONINGEN, HOLLAND

5I029 'SIMULTANEOUS EXOSAT/IUE/GROUND-BASED OBSERVATIONS OF LOW-MASS X-RAY BINARIES: HER X-1, SCO X-1 AND CYG X-2' G. HAMMERSCHLAG - ASTRONOMICAL INSTITUTE, AMSTERDAM, HOLLAND AND R. WILSON - UNIVERSITY COLLEGE, LONDON, ENGLAND

5I030 'SIMULTANEOUS EXOSAT/IUE/GROUND-BASED OBSERVATIONS OF MASSIVE X-RAY BINARIES TO STUDY THE INTERACTION BETWEEN THE X-RAYS AND THE STELLAR WIND OF THE COMPANION' G. HAMMERSCHLAG - ASTRONOMICAL INSTITUTE, AMSTERDAM, HOLLAND AND A. J. WILLIS - U. C. L., LONDON, ENGLAND

5A032 'SIMULTANEOUS X-RAY, UV, OPTICAL, IR OBSERVATIONS OF LATE-B AND EARLY-A-TYPE STARS' R. STALIO - OSSERVATORIO ASTRONOMIC, TRIESTE, ITALY

5A035 'EFFECTIVE TEMPERATURES OF SUBDWARF B-STARS' K. HUNGER - THEOR. PHYSIK UND STERNWARTE DER UNIVERSITAT KIEL, GERMANY

5E037 'UV EMISSION FROM NORMAL BRIGHT SPIRAL GALAXIES' G. G. C. PALUMBO - ISTITUTO TE.S.R.E./C.N.R., BOLOGNA, ITALY

5I039 'THE ATMOSPHERIC ECLIPSING BINARY EPSILON AURIGAE' M. HACK - OSSERVATORIO ASTRONOMIC, TRIESTE, ITALY

5E044 'ABSORPTION SYSTEMS IN LOWER REDSHIFT QUASARS' D. KUNTH - INSTITUT D'ASTROPHYSIQUE, PARIS, FRANCE

5E045 'SIMULTANEOUS UV, X-RAY, AND OPTICAL OBSERVATIONS OF NGC 4593' J. CLAVEL - OBSERVATOIRE DE PARIS-MEUDON, MEUDON, FRANCE

5C048 'PERIOD-ACTIVITY RELATIONSHIPS IN CONTACT AND RELATED BINARIES' O. VILHU - OBSERVATORY AND ASTROPHYSICS LABORATORY, HELSINKI, FINLAND

5E049 'INTERMEDIATE REDSHIFT QUASARS WITH A "BLACK-BODY" UV COMPONENT' J. BERGEORON - INSTITUT D'ASTROPHYSIQUE, PARIS, FRANCE

5A051 'SEARCH FOR CHROMOSPHERES IN A TYPE STARS: 1) SLOW ROTATORS A STARS, 2) A STARS IN BINARY SYSTEMS' R. FREIRE - OBSERVATOIRE ASTRONOMIQUE, STRASBOURG, FRANCE

5C052 'IONIZING RADIATION IN F DWARFS' M. SAXNER - ASTRONOMISKA OBSERVATORIET, UPPSALA, SWEDEN

55058 'OBSERVATIONS OF COMETS' C. FESTOU - SERVICE D'AERONOMIE DU CNRS, VERRIERES-LE-BUISSON, FRANCE

5I060 'ULTRAVIOLET OBSERVATIONS WITH IUE OF NEWLY DISCOVERED X-RAY SOURCES' J. M. BONNET-BIDAUD - COMISSARIAT A L'ENERGIE ATOMIQUE  
GIF-SUR-YVETTE, FRANCE

5M063 'HIGH RESOLUTION SPECTROSCOPY OF THE ISW LYMAN-ALPHA EMISSION' H. J. FAHR - INSTITUT FUR ASTROPHYSIK, BONN, GERMANY

5M064 'MAPPING THE VARIABLE EXTINCTION IN THE EXTREME NUCLEI OF THE H AND X PERSEI CLUSTERS' R. STALIO - ASTRONOMICAL OBSERVATORY,  
TRIESTE, ITALY

5C067 'IUE OBSERVATIONS OF A GRID OF POPULATION II STANDARD STARS' C. CACCIARI - ESA SATELLITE TRACKING STATION, MADRID, SPAIN

5A068 'EVOLVED GLOBULAR CLUSTER STARS' V. CALOI - ISTITUTO DI ASTROFISICA SPAZIALE, FRASCATI, ITALY

5A069 'ULTRAVIOLET STUDIES OF THE SHELLS OF HERBIG AE STARS' TJIN A. DJIE - ASTRONOMICAL INSTITUTE, AMSTERDAM, HOLLAND

5I073 'INTERACTING BINARY SYSTEMS' J. RAHE - REMEIS-OBSERVATORY, BAMBERG, GERMANY

5I075 'ORBITAL PHASE DEPENDENT AND HIGH DISPERSION UV SPECTROSCOPY OF CLASSICAL NOVAE' H. DRECHSEL - REMEIS-OBSERVATORY, BAMBERG,  
GERMANY

5E077 'ULTRAVIOLET SPECTROPHOTOMETRY OF GALACTIC NUCLEI UNDER NEIGHBOURHOOD DENSITY CRITERIA' N. BROSCH - LABORATORY ASTROPHYSICS,  
LEIDEN, NETHERLANDS

5A078 'HIGH RESOLUTION SPECTROSCOPY OF BLUE HALO STARS' B. BASCHEK - INSTITUT FUR THEORETISCHE ASTROPHYSIK, HEIDELBERG, GERMANY

5I079 'OBSERVATIONS OF CATAclysmic VARIABLES IN MINIMUM AND MAXIMUM STATE' J. KRAUTTER - EUROPEAN SOUTHERN OBSERVATORY, GARCHING,  
GERMANY

5A080 'SIMULTANEOUS IUE/GROUND-BASED/EXOSAT OBSERVATIONS OF BE STARS' V. DOAZAN - OBSERVATOIRE DE PARIS, FRANCE AND A. J. WILLIS -  
UNIVERSITY COLLEGE, LONDON, ENGLAND

5C081 'MAGNETIC STRUCTURE OF F, G, AND K TYPE STARS, II' C. ZWAAN - OBSERVATORY OF THE ASTRONOMICAL INSTITUTE, UTRECHT, HOLLAND

5E082 'COORDINATED UV, OPTICAL AND X-RAY STUDIES OF SELECTED QSOs AND BL LAC OBJECTS' E. G. TANZI - ISTITUTO DI FISICA COSMICA DEL



CNR, MILANO, ITALY

- 5I083 'COORDINATED X-RAY AND UV OBSERVATIONS OF MAGNETIC WHITE DWARFS IN BINARIES' L. MARASCHI - ISTITUTO DI FISICA COSMICA DEL CNR, MILANO, ITALY
- 5E085 'WOLF RAYET STARS IN DWARF EMISSION LINE GALAXIES' D. KUNTH - INSTITUT D'ASTROPHYSIQUE, PARIS, FRANCE
- 5A087 'SHORT TIME VARIATIONS IN THE MASS-LOSS RATE OF EARLY TYPE STARS' H. F. HENRICHS - ASTRONOMICAL INSTITUTE, AMSTERDAM, HOLLAND AND A. J. WILLIS - UNIVERSITY COLLEGE, LONDON, ENGLAND
- 5A093 'THE IRON CUTAIN OF WC9 STARS' K. A. VAN DER HUCHT - SPACE RESEARCH LABORATORY UTRECHT, HOLLAND
- 5I094 'DWARF NOVAE IN OUTBURST' A. C. FABIAN - STERREKUNDIG INSTITUT UTRECHT, HOLLAND
- 5E097 'THE CENTRAL GALAXY NGC 4696 IN THE CENTAURUS CLUSTER' H. E. JORGENSEN - ASTRONOMICAL OBSERVATORY COPENHAGEN, DENMARK
- 5E098 'STAR FORMATION AND GAS IN SO GALAXIES' B. ROCCA-VOLMERANGE - INSTITUT D'ASTROPHYSIQUE PARIS, FRANCE
- 5I099 'IUE OBSERVATIONS OF CI CYGNI DURING THE 1982 ECLIPSE AND OF OTHER SYMBIOTIC STARS AT MINIMUM' A. ALTAMORE - ISTITUTO OSSERVATORIO ASTRONOMICCO, ROMA, ITALY
- 5A100 'TEMPORAL CHANGES IN THE CHROMOSPHERE OF THE HERBIG AE STAR AB AUR' F. PRADERIE - OBSERVATOIRE DE PARIS-MEUDON FRANCE
- 5E102 'INTEGRATED SPECTRA OF GLOBULAR CLUSTERS' V. CALOI - ISTITUTO DI ASTROFISICA SPAZIALE, FRASCATI, ITALY
- 5E104 'UV OBSERVATIONS OF HALO-TYPE GLOBULAR CLUSTERS IN THE MAGELLANIC CLOUDS' C. CACCIARI - ESA SATELLITE TRACKING STATION, MADRID SPAIN
- 5I105 'STUDY OF X-RAY EMITTING DWARF NOVAE AND NOVALIKE OBJECTS' W. WARGAU - REMEIS-STERNWARTE BAMBERG, GERMANY
- 5A107 'EMISSION, MASS LOSS AND CHROMOSPHERES IN HERBIG AE STARS (III)' F. PRADERIE - OBSERVATOIRE DE PARIS-MEUDON, FRANCE
- 5I108 'LMC X-1 AND 1E 0501.8-7037 TWO RECENTLY IDENTIFIED MASSIVE X-RAY BINARIES IN THE LMC' M. W. PAKULL - MAX-PLANCK-INSTITUT, MUNCHEN, GERMANY
- 5I109 'UV BEHAVIOUR OF SS CYGNI DURING AN OUTBURST' F. GIOVANNELLI - INSTITUT OF SPACE ASTROPHYSICS, FRASCATI, ITALY
- 5I110 'UV SPECTRA OF CYGNUS OB2: 8A STAR' F. GIOVANNELLI - INSTITUT OF SPACE ASTROPHYSICS, FRASCATI, ITALY

5I113 'STUDY OF THE INTERACTING BINARY KX AND' A. M. HUBERT-DELPLACE - OBSERVATOIRE DE PARIS-MEUDON, FRANCE

5A115 'LAMBDA BOOTIS STARS' B. BASCHEK - INSTITUT FUR THEORETISCHE ASTROPHYSIK, HEIDELBERG, GERMANY

5C116 'WINDS AND CORONAE IN RED GIANTS' D. REIMERS - HAMBURGER STERNWARTE, HAMBURG, GERMANY

5S117 'UV OBSERVATIONS OF GIANT PLANETS AND THEIR SATELLITES' M. COMBES - OBSERVATOIRE DE PARIS-MEUDON, FRANCE AND G. HUNT - UNIVERSITY COLLEGE, LONDON, ENGLAND

5I121 'INVESTIGATION ON THE BINARY NATURE OF THE RADIO AND X-RAY STAR LSI+61 .303, ASSOCIATED WITH A COS-B GRAMMA-RAY SOURCE' G. F. BIGNAMI - ISTITUTO DI FISICA COSMICA, MILANO, ITALY

5M122 'BRIGHT RIMS AROUND ELEPHANT TRUNKS' W. EICHENDORF - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY

5C123 'THE ENERGETICS OF HERBIG-HARO OBJECTS' B. REIPURTH - COPENHAGEN UNIVERSITY OBSERVATORY, COPENHAGEN, DENMARK

5C124 'CLASSICAL CEPHEIDS' W. EICHENDORF - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY

5C125 'STAR FORMATION IN A BOK GLOBULE' B. REIPURTH - COPENHAGEN UNIVERSITY OBSERVATORY, COPENHAGEN, DENMARK

5M126 'HIGH-RESOLUTION OBSERVATIONS OF SUPERNOVA-REMNANTS' M. DENNEFELD - INSTITUT D'ASTROPHYSIQUE, PARIS, FRANCE

5I127 'THE SYMBIOTIC STAR HM SGE' C. KINDL - INSTITUT OF ASTRONOMY, ETHZENTRUM, ZURICH, SWITZERLAND

5M129 'A FAR UV STUDY OF INTERSTELLAR MATTER IN THE SMALL MAGELLANIC CLOUD' L. PREVOT - OBSERVATOIRE DE MARSEILLE, FRANCE

5E130 'ULTRAVIOLET OBSERVATIONS OF GALAXIES WITH SPIRAL STRUCTURE IN THE NUCLEUS' B. MARANO - ISTITUTO DI ASTRONOMIA DELL' UNIVERSITA', BOLOGNA, ITALY

5A137 'NUCLEI OF EVOLVED PLANETARIES' M. PERINOTTO - OSSERVATORIO ASTROFISICO DI ARCETRI, FIRENZE, ITALY

5A138 'OBSERVATIONS OF THE INTERACTING GALAXY SYSTEM NGC 3991 - 3994 - 3995' C. CASINI - ISTITUTO DI FISICA DELL' UNIVERSITA, MILANO, ITALY

5C140 'MASS-LOSS FROM RED GIANTS WITH HOT COMPANIONS' D. REIMERS - HAMBURGER STERNWARTE, HAMBURG, GERMANY

5A143 'SIMULTANEOUS EXOSAT/IUE/GROUND-BASED STUDIES OF O AND WOLF-RAYET STARS' C. DE LOORE - ASTROPHYSICAL INSTITUTE, BRUSSELS, BELGIUM AND A. J. WILLIS - UNIVERSITY COLLEGE, LONDON, ENGLAND

- 5A144 'CHEMICAL COMPOSITION AND DIFFUSION IN HIGH GRAVITY STARS' G. VAUCLAIR - OBSERVATOIRE DE TOULOUSE, TOULOUSE, FRANCE
- 5I145 'TIME VARIATIONS OF PU VULPECULAE (KUWANO'S OBJECT)' M. FRIEDJUNG - INSTITUT D'ASTROPHYSIQUE, PARIS, FRANCE
- 5C146 'EMISSION MEASURE ANALYSIS OF SWP-HI SPECTRA OF REPRESENTATIVE YELLOW GIANTS AND RED GIANTS AND SUPERGIANTS' O. ENGVOLD -  
INSTITUT OF THEORETICAL ASTROPHYSICS, OSLO, NORWAY
- 5M147 'THE INTERACTION BETWEEN YOUNG STARS AND THE SURROUNDING MEDIUM: ULTRAVIOLET MOLECULAR EMISSION LINES' K. FREDGA - STOCKHOLM  
OBSERVATORY, STOCKHOLM, SWEDEN
- 5E148 'SPECTROSCOPY OF NARROW LINE ACTIVE NUCLEI WITH RADIATIVE BALMER DECREMENT' J. BERGERON - INSTITUT D'ASTROPHYSIQUE, PARIS,  
FRANCE
- 5I151 'THE VERY HEAVY, SYMBIOTIC STAR RY SCUTI' R. M. WEST - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY
- 5C152 'CARBON STARS SEQUENCE: R TO N STARS' F. QUERCI - OBSERVATOIRE DU PIC-DU-MIDI, TOULOUSE, FRANCE
- 5E159 'BARRED SPIRALS WITH X-RAY NUCLEI' K. J. FRICKE - UNIVERSITATS-STERNWARTE, GOTTINGEN, GERMANY
- 5E160 'BL LAC OBJECTS WITH JET-LIKE X-RAY STRUCTURE' P. BIERMANN - MAX-PLANCK-INSTITUT FUR RADIOASTRONOMIE, BONN, GERMANY
- 5M162 'PROBING THE H I HOLES IN THE DIRECTION OF HZ 43 AND HR 1099: A PILOT STUDY' M. GREWING - ASTRONOMISCHES INSTITUT, TUBINGEN,  
GERMANY
- 5M163 'PROBING THE INTERSTELLAR MEDIUM WITH BRIGHT SUPERNOVA' M. GREWING - ASTRONOMISCHES INSTITUT, TUBINGEN, GERMANY AND M. PETTINI  
- ROYAL GREENWICH OBSERVATORY, SUSSEX, U. K.
- 5I164 'DETECTION OF HYDRODYNAMICAL FLOW IN AND AROUND ALGOL BINARIES' C. DE JAGER - ASTRONOMICAL INSTITUT UTRECHT, HOLLAND
- 5A165 'HIGH RESOLUTION STUDIES OF PLANETARY NEBULAE' M. GREWING - ASTRONOMISCHES INSTITUT, TUBINGEN, GERMANY
- 5A166 'STRUCTURE OF THE ENVELOPE OF BE STARS' A. M. HUBERT-DELPLACE - OBSERVATOIRE DE PARIS-MEUDON, FRANCE
- 5I167 'THE SYMBIOTIC STAR HBV 475' H. NUSSBAUMER - INSTITUTE OF ASTRONOMY, ETHZENTRUM, ZURICH, SWITZERLAND
- 5E168 'OBSERVATIONS OF BL LAC OBJECT' M. H. ULRICH - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY

5E169 'STAR FORMING ACTIVITY IN MARK 171 AND MARK 325 (NGC 7673)' D. ALLOIN - OBSERVATOIRE DE PARIS-MÉUDON, FRANCE

5A170 'SUPRA BHB STARS IN GLOBULAR CLUSTERS' K. S. DE BOER - ASTRONOMISCHES INSTITUT, TUBINGEN, GERMANY

5A173 'UV OBSERVATIONS OF THREE PECULIAR BE STARS' A. CASSATELLA - ESA SATELLITE TRACKING STATION, MADRID, SPAIN

5E174 'HIGH RESOLUTION OBSERVATIONS OF THE YOUNG GLOBULAR CLUSTER NGC 2004 IN THE LMC' E. H. GEYER - OBSERVATORIUM HOHER LIST, BONN, GERMANY

5C175 'ASCENDING GIANT BRANCH TO PLANETARY NEBULA PHASE: UV OBSERVATIONS OF TWO CANDIDATES' A. CASSATELLA - ESA SATELLITE TRACKING STATION, MADRID, SPAIN

5E176 'UV OBSERVATIONS OF YOUNG GLOBULAR CLUSTERS IN THE LMC' A. CASSATELLA - ESA SATELLITE TRACKING STATION, MADRID, SPAIN

5M181 'THE EXTENT OF A GASEOUS GALACTIC HALO' C. LAURENT - LABORATOIRE DE PHYSIQUE, VERRIERES-LE-BUISSON, FRANCE AND M. PETTINI - ROYAL GREENWICH OBSERVATORY, SUSSEX, U. K.

5A182 'HIGH DISPERSION OBSERVATIONS OF PLANETARY NEBULAE' J. KOPPEN - INSTITUT FUR THEORETISCHE ASTROPHYSIK, HEIDELBERG, GERMANY

5E183 'UV CONTINUUM ENERGY DISTRIBUTION OF ELLIPTICAL GALAXIES' M. CAPACCIOLI - INSTITUTE OF ASTRONOMY, PADOVA, ITALY

5E184 'LW RANGE UV EXCESS IN ELLIPTICAL GALAXIES' F. BERTOLA - ISTITUTO DI ASTRONOMIA, PADOVA, ITALY

5E185 'UV CONTINUUM IN BULGE DOMINATED SO GALAXIES' M. CAPACCIOLI - INSTITUTE OF ASTRONOMY, PADOVA, ITALY

5I189 'THE STUDY OF 2200 Å DIFFUSE FEATURE IN H X PER' A. G. G. M. TIELENS - LABORATORY OF ASTROPHYSICS, LEIDEN, NETHERLANDS

5S190 'STUDY OF THE IO TORUS' J. L. BERTAUX - SERVICE D'AERONMIE DU CNRS, VERRIERES-LE-BUISSON, FRANCE

FIFTH EPISODE SERC APPROVED PROGRAMS

- 5C201 'SEARCH FOR COMPANIONS TO NON-PULSATING YELLOW SUPERGIANTS IN OR NEAR THE INSTABILITY STRIP' B. F. MADORE - UNIVERSITY OF TORONTO, TORONTO, CANADA
- 5C202 'SIMULTANEOUS IUE, EXOSAT AND OPTICAL OBSERVATIONS OF FLARE STARS' C. J. BUTLER - QUEEN'S UNIVERSITY OF BELFAST, NORTH IRELAND AND M. RODONO - OSSERVATORIO ASTROFISICO, CATANIA, ITALY
- 5I203 'UV SPECTROSCOPY OF SELECTED SPECTROSCOPIC BINARIES' M. DE GROOT - ARMAGH OBSERVATORY, NORTH IRELAND
- 5C206 'CHROMOSPHERIC ACTIVITY IN THE SHORT PERIOD SUBGROUP OF RS CVN STARS' E. BUDDING - MANCHESTER UNIVERSITY, MANCHESTER, ENGLAND
- 5E207 'STUDY OF THE NUCLEAR REGION OF NGC 2903' Z. NINKOV - UNIVERSITY OF BRITISH COLUMBIA, CANADA
- 5E208 'ULTRAVIOLET STUDIES OF LATE-TYPE SPIRAL GALAXIES' R. S. ELLIS - DURHAM UNIVERSITY, ENGLAND
- 5C209 'MAGNETIC VARIABILITY OF LATE-TYPE STARS' J. E. BECKMAN - QUEEN MARY COLLEGE, LONDON, ENGLAND
- 5M210 'PROPERTIES OF DUST IN EXTERNAL GALAXIES' K. NANDY - ROYAL OBSERVATORY, EDINBURGH, SCOTLAND
- 5E211 'STUDIES OF THE NUCLEAR REGIONS OF SERSIC-PASTORIZA GALAXIES' K. NANDY - ROYAL OBSERVATORY, EDINBURGH, SCOTLAND
- 5A213 'EFFECTIVE TEMPERATURE AND RADII OF LMC GIANTS AND MAIN SEQUENCE EARLY TYPE STARS' K. NANDY - ROYAL OBSERVATORY, EDINBURGH, SCOTLAND

5E214 'COMPOSITION OF DUST AND GAS IN THE PERSEUS ARM' K. NANDY - ROYAL OBSERVATORY, EDINBURGH, SCOTLAND

5I215 'DWARF NOVAE' J. E. PRINGLE - INSTITUTE OF ASTRONOMY, CAMBRIDGE, ENGLAND

5E216 'NUCLEI OF HOT SPOT GALAXIES' J. MEABURN - UNIVERSITY OF MANCHESTER, MANCHESTER, ENGLAND

5E217 'SIMULTANEOUS SPECTRAL STUDIES OF ACTIVE GALAXIES' M. J. COE - SOUTHAMPTON UNIVERSITY, U. K.

5I218 'THREE POSSIBLY MAGNETISED CATAclySMIC VARIABLES' J. OSBORNE - MULLARD SPACE SCIENCE LABORATORY, SURREY, U. K.

5I219 'CO-ORDINATED X-RAY AND UV OBSERVATIONS OF MAGNETIC WHITE DWARFS IN BINARIES' J. OSBORNE - MULLARD SPACE SCIENCE LABORATORY, SURREY, U. K.

5I220 'THE INTERACTING BINARY RZ GRUIS' B. D. KELLY - ROYAL OBSERVATORY OF EDINBURGH, EDINBURGH, SCOTLAND

5M221 'HIGH VELOCITY GAS MOTIONS IN THE CARINA NEBULA' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, U. K.

5M222 'THE PHYSICAL STATE OF GAS IN GALACTIC GIANT HII REGIONS' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, U. K.

5C223 'THE UV CONTINUUM IN NGC 2261 AND R MONOCEROS' J. R. WALSH - UNIVERSITY OF MANCHESTER, MANCHESTER, ENGLAND

5E225 'UV OBSERVATIONS OF X-RAY EMITTING 'STAR BURST' GALACTIC NUCLEI' M. J. WARD - INSTITUTE OF ASTRONOMY, CAMBRIDGE, ENGLAND

5A226 'DEVELOPMENT OF THE 2200A EXTINCTION FEATURE IN POST-ERUPTIVE NOVAE' A. EVANS - PRESTON POLYTECHNIC, PRESTON, U. K.

5C228 'ULTRAVIOLET OBSERVATIONS OF RCB STANDARD STARS' A. EVANS - PRESTON POLYTECHNIC, PRESTON, U. K.

5E231 'NARROW LINE STRONG FE II SEYFERT GALAXIES' C. M. GASKELL - INSTITUTE OF ASTRONOMY, CAMBRIDGE, ENGLAND

5C232 'THE STRUCTURE, ENERGY BALANCE AND DYNAMICS OF STELLAR CHROMOSPHERES AND CORONAE' C. JORDAN - UNIVERSITY OF OXFORD, ENGLAND

5M233 'ABSORPTION MEASURES OF GAS IN HALOES OF GALAXIES' J. C. BLADES - RUTHERFORD APPLETON LABORATORY, OXON, ENGLAND

5E234 'OBSERVATIONS OF INTERSTELLAR HI IN EXTERNAL GALAXIES USING QSOs AS BACKGROUND SOURCES' J. C. BLADES - RUTHERFORD APPLETON LABORATORY, OXON, ENGLAND

5E235 'UV SPECTROPHOMETRY OF NON-SEYFERT BLUE EMISSION LINE GALAXIES' P. M. GONDHALEKAR - RUTHERFORD APPLETON LABORATORY, OXON, ENGLAND

5M236 'STUDIES OF ENERGETIC MECHANISMS TO INJECT HOT IONIZED GAS INTO THE GALACTIC HALO' P. M. GONDHALEKAR - RUTHERFORD APPLETON  
LABORATORY, OXON, ENGLAND

5I239 'HELIUM AND METAL DIFFUSION IN THE SDO PRIMARY OF THE ECLIPSING BINARY LB 3459' A. E. LYNAS-GRAY - UNIVERSITY COLLEGE LONDON,  
ENGLAND

5I240 'W UMA CONTACT BINARY LIGHT CURVES' J. A. J. WHELAN - INSTITUTE OF ASTRONOMY, CAMBRIDGE, ENGLAND

5M242 'HIGH RESOLUTION STUDIES OF MC INTERSTELLAR GAS (OB STARS) AND GALACTIC HALO' A. J. WILLIS - UNIVERSITY COLLEGE LONDON,  
ENGLAND

5E249 'ULTRAVIOLET OBSERVATIONS OF QUASARS' R. WILSON - UNIVERSITY COLLEGE LONDON, ENGLAND

5E250 'OBSERVATIONS OF HIGH REDSHIFT ( $Z > 3$ ) QUASARS WITH IUE' R. WILSON - UNIVERSITY COLLEGE LONDON, ENGLAND

5E251 'UV OBSERVATIONS OF THE DOUBLE QUASAR O957+561 A, B' R. WILSON - UNIVERSITY COLLEGE LONDON, ENGLAND

5E252 'STUDIES OF UV VARIABILITY OF SELECTED SEYFERT GALAXIES' R. WILSON - UNIVERSITY COLLEGE LONDON, ENGLAND

5E253 'AN INVESTIGATION OF THE BROAD ABSORPTION-LINE QUASAR PG 1351+64' R. WILSON - UNIVERSITY COLLEGE LONDON, ENGLAND

5A254 'PLANETARY NEBULAE AND THEIR CENTRAL STARS' M. J. SEATON - UNIVERSITY COLLEGE LONDON, ENGLAND

5E255 'ULTRAVIOLET OBSERVATIONS OF THE STANDARD NUCLEUS OF NGC 1275' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND

5E256 'ULTRAVIOLET OBSERVATIONS OF NGC 1068' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND

5E257 'IUE OBSERVATIONS OF QSOs, SEYFERT I GALAXIES & BL LAC OBJECTS' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND

5E258 'ULTRAVIOLET OBSERVATIONS OF SEYFERT 2 GALAXIES' A. BOKSENBERG - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND

5M261 'INTERSTELLAR MOLECULAR LINES' D. MCNALLY - UNIVERSITY COLLEGE LONDON, ENGLAND

5C262 'STUDIES OF SPOTS AND PLAGES IN BY DRACONIS-TYPE VARIABLES STARS' A. D. ANDREWS - ARMAGH OBSERVATORY, ARMAGH, NORTH IRELAND  
AND M. RODONO - OSSERVATORIO ASTROFISICO, CATANIA, ITALY

5M264 'STUDY OF INTERSTELLAR GAS ADJACENT TO TWO SPIRAL ARMS' J. C. BLADES - RUTHERFORD APPLETON LABORATORY, OXON, ENGLAND

5E266 'CONTINUED MONITORING OF MCG-2-58-22, A SEYFERT NUCLEUS WITH DISTINCT RESOLVED BROAD LINE COMPONENTS' D. M. WHITTLE -

INSTITUTE OF ASTRONOMY, CAMBRIDGE, ENGLAND

- 5C267 'EUV STUDIES OF PRE-MAIN-SEQUENCE STARS COORDINATED WITH EXOSAT AND GROUND-BASED OBSERVATIONS' A. BROWN - QUEEN MARY COLLEGE, LONDON, ENGLAND P. S. THE - ASTRONOMICAL INSTITUTE, AMSTERDAM, HOLLAND, AND G. GAHM - STOCKHOLM OBSERVATORY, STOCKHOLM SWEDEN
- 5C268 'UV CENTRE-TO-LIMB VARIATIONS IN SOLAR TYPE BRIGHT ECLIPSING BINARIES' O. K. MOE - UNIVERSITY OF OSLO, NORWAY
- 5A269 'MASS LOSS FROM BETA ORION AND SIMILAR STARS' D. GIARETTA - RUTHERFORD APPLETON LABORATORY, OXON, ENGLAND
- 5E270 'CONTINUED MONITORING OF NGC 4151' M. V. PENSTON - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND AND M. H. ULRICH - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY
- 5C271 'MILD T TAURI STARS' M. V. PENSTON - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5C272 'R V TAURI STARS' D. J. STICKLAND - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5I273 'THE SOMETIMES ECLIPSING WH STAR CV SERPENTIS' D. J. STICKLAND - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5I274 'UV OBSERVATIONS OF EPSILON AURIGAE' D. J. STICKLAND - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5C275 'LONG PERIOD VARIABLE STARS' D. J. STICKLAND - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5E276 'ABUNDANCES AND EXCITATION MECHANISMS IN PECULIAR EMISSION-LINE NUCLEI OF GALAXIES' B. E. PAGEL - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5E278 'ULTRAVIOLET OBSERVATIONS OF VARIABLE SEYFERT GALAXIES' M. V. PENSTON - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND AND M. H. ULRICH - EUROPEAN SOUTHERN OBSERVATORY, GARCHING B. MUNCHEN, GERMANY
- 5C279 'LYMAN ALPHA AND CIV LINE PROFILES IN T TAURI STARS' M. V. PENSTON - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5W282 'A LARGE SCALE SURVEY OF INTERSTELLAR ABSORPTION IN THE GALACTIC HALO' M. PETTINI - ROYAL GREENWICH OBSERVATORY, SUSSEX, ENGLAND
- 5C283 'COORDINATED MULTI-WAVEBAND STUDY OF M-DWARF FLARES' G. E. BROMAGE - RUTHERFORD APPLETON LABORATORY, LONDON, ENGLAND
- 5S284 'COMA AND TAILS OF WEAKER COMETS' D. H. CLARK - RUTHERFORD APPLETON LABORATORY, LONDON, ENGLAND



STAND 'UV STELLAR CLASSIFICATION' VILSPA OBSERVATORY - ESA SATELLITE TRACKING STATION MADRID, SPAIN

SEYFE 'MULTIFREQUENCY MONITORING OF SEYFERT 1 GALAXIES' VILSPA OBSERVATORY - ESA SATELLITE TRACKING STATION

GLOBC 'UV OBSERVATIONS OF GLOBULAR CLUSTERS IN GALAXIES MEMBERS OF THE LOCAL GROUP' VILSPA OBSERVATORY - ESA SATELLITE TRACKING STATION

FIFTH EPISODE NASA APPROVED PROGRAMS

SPEMA 'DUSTY, DISTANT COMETS' MICHAEL F. A'HEARN - MARYLAND

SEMA 'COMETS AS TARGETS OF OPPORTUNITY' MICHAEL F. A'HEARN - MARYLAND

COETA 'ULTRAVIOLET OBSERVATIONS OF S STARS' THOMAS B. AKE III - CSC

HCETA 'OBSERVATIONS OF COOL GIANTS & SUPERGIANTS WITH HOT COMPANIONS' THOMAS B. AKE III - CSC

NPELA 'STRATIFICATION IN & CHEMICAL COMPOSITIONS OF PLANETARY NEBULAE' LAWRENCE H. ALLER - CAL LA

FSETA 'THE MANY FACES OF HR 1099' THOMAS R. AYRES - COLORADO

RSETA 'FAR-ULTRAVIOLET ECHELLE SPECTRA OF RS CVN GIANTS' THOMAS R. AYRES - COLORADO

CCETA 'THE WILSON-BAPPU EFFECT & BEYOND' THOMAS R. AYRES - COLORADO

CDESB 'RV TAURI STAR CIRCUMSTELLAR DUST' SCOTT R. BAIRD - CLEMSON

FSESB 'STELLAR FLARES' SALLIE L. BALIUNAS - CFA - SAO

RSESB 'THE TWO COMPONENT ATMOSPHERE OF LAMBDA ANDROMEDAE' SALLIE L. BALIUNAS - CFA - SAO

LGESB 'ACTIVITY IN THE HYADES GIANTS' SALLIE L. BALIUNAS - CFA - SAO

NPETB 'THE IONIZATION STRUCTURE OF PLANETARY NEBULAE' TIMOTHY BARKER - WHEATON

MLEPB 'SUPERIONIZED SPECIES & WINDS IN NORMAL B STARS' PAUL K. BARKER - W. ONTARIO

NSEWB 'CARBON ABUNDANCE IN M33 & M31 FROM SUPERNOVA REMNANTS' WILLIAM P. BLAIR - CFA - SAO

QSEAB 'UV OBSERVATIONS OF SEYFERT GALXIES' ALBERT BOGGESS - GSFC

QCEAB 'OBSERVATIONS OF HIGH REDSHIFT QSO WITH IUE' ALBERT BOGGESS - GSFC

HMEKB 'IUE OBSERVATIONS OF HERBIG-HARO & RELATED OBJECTS' KARL HEINZ BOHM - WASH.

HCEEB 'SEARCH FOR & STUDY OF HOT COMPANIONS OF CEPHEIDS' ERIKA BOHM-VITENSE - WASH.

DCEEB 'OBSERVATION OF ULTRAVIOLET LIGHT VARIATIONS OF POP II CEPHEIDS' ERIKA BOHM-VITENSE - WASH.

LGEEB 'CHROMOSPHERES & WHITE DWARF COMPANIONS OF PECULIAR ABUNDANCE STARS' ERIKA BOHM-VITENSE - WASH.

CVEHB 'A SEARCH FOR CATAclySMIC BINARIES CONTAINING STRONGLY MAGNETIC WHITE DWARFS' HOWARD E. BOND - LOUISIANA ST.

HCEHB 'A SEARCH FOR WHITE-DWARF COMPANIONS OF SUBGIANT CH STARS' HOWARD E. BOND - LOUISIANA ST.

RSEBB 'ROTATIONAL MODULATION OF FK COM & HD 199178' BERNARD W. BOPP - TOLEDO

CCEBB 'SOUTHERN ACTIVE CHROMOSPHERE VARIABLES' BERNARD W. BOPP - TOLEDO

MFEGB 'MASS FUNCTION IN LMC ASSOCIATIONS' GREGORY D. BOTHUN - CFA - SAO

WDECB 'STUDIES OF HOT WHITE DWARFS & THE LOCAL ISM' C. STUART BOWYER - CAL BERKELEY

SUECB 'IUE OBSERVATIONS OF H LY ALPHA EMISSION FROM URANUS' C. STUART BOWYER - CAL BERKELEY

XBECB 'AN ATTEMPT TO DISCOVER THE NATURE OF MASS TRANSFER IN MASSIVE X-RAY BINARIES' C. STUART BOWYER - CAL BERKELEY

WDFEB 'THE SHARP-LINED FEATURES IN THE UV SPECTRA OF HOT WHITE DWARFS' FREDERICK C. BRUHWEILER - CSC

EGEGB 'ULTRAVIOLET SPECTRUM OF SPIRAL GALAXIES' GUSTAVO A. BRUZUAL - C.I.D.A.

SPEJC 'SOLAR SYSTEM INVESTIGATIONS WITH THE IUE' JOHN CALDWELL - STONY BROOK

VVERC 'PHYSICS OF THE CIRCUMSTELLAR ENVELOPE ACCRETION DISK & SECONDARY COMPANION IN EPS AUR' ROBERT D. CHAPMAN - GSFC

IEEGC 'THE NATURE OF DUST IN THE LMC' GEOFFREY C. CLAYTON - TORONTO

EGEJC 'IUE OBSERVATIONS & SUPPORT OF RESEARCH ON THE CLUSTERS OF THE MAGELLANIC CLOUDS' JUDITH G. COHEN - CAL TECH

EPEJC 'RESEARCH ON THE STELLAR POPULATION OF NORMAL GALAXIES' JUDITH G. COHEN - CAL TECH

WREPC 'CONTINUUM MEASURES OF WOLF-RAYET STARS' PETER S. CONTI - COLORADO

CVEFC 'DEGENERATE STARS IN ECLIPSING CLOSE BINARY SYS & SEARCH FOR CORONA' FRANCE ANNE CORDOVA - LOS ALAMOS

CBEAC 'UV OBSERVATIONS OF THE SYMBIOTIC STAR AR PAV IN ECLIPSE & TWO MASS-TRANSFER X-RAY BINARIES' ANNE P. COWLEY - MICHIGAN

NDEKD 'STUDIES OF MATERIAL EJECTED BY ETA CARINAE' KRIS DAVIDSON - MINNESOTA

HSEJD 'UV SPECTROSCOPY OF SUBLUMINOUS O STARS' JOHN S. DRILLING - LOUISIANA ST.

NDERD 'HIGH DISPERSION IUE OBSERVATIONS OF METAL-POOR H II REGIONS' REGINALD J. DUFOUR - RICE

NAERD 'ABUNDANCES OF C, SI, & MG IN GALACTIC H II REGIONS' REGINALD J. DUFOUR - RICE

QSEAD 'VARIABILITY OF THE DOUBLE QUASAR 0957+561 A. B.' ANDREA K. DUPREE - CFA - SAO

CBEAD 'HIGH RESOLUTION STUDY OF EPSILON CORONAE AUSTRINAE' ANDREA K. DUPREE - CFA - SAO

CBEJE 'FOLLOW-ON OBS OF W URSAE MAJORIS STARS' JOEL A. EATON - VANDERBILT

NPEWF 'OBSERVATIONS OF VARIABLE & PROTO-PLANETARY NEBULAE' WALTER A. FEIBELMAN - GSFC

SCEPF 'OBSERVATIONS OF COMETS WITH THE INTERNATIONAL ULTRAVIOLET EXPLORER' PAUL D. FELDMAN - JOHNS HOPKINS

NPEGF 'CARBON IN PLANETARY NEBULAE' GARY J. FERLAND - KENTUCKY

NSERF 'A RADIAL MAPPING OF THE CYGNUS LOOP'S UV EMISSION' ROBERT A. FESEN - GSFC

QSEMG 'IUE OBSERVATIONS OF SEYFERT GALAXY VARIABILITY' MARGARET J. GELLER - CFA - HARVARD

CSEMG 'MAGNETIC & CHROMOSPHERIC SYNOPTIC OBSERVATIONS OF LATE-TYPE STARS' MARK S. GIAMPAPA - CFA - SAO

QSEAG 'THE EFFECT OF X-RAY & UV IONIZING RADIATION ON QUASAR EMISSION LINES' A. E. GLASSGOLD - NEW YORK U.

BLEAG 'MULTIFREQUENCY OBSERVATIONS OF BL LAC OBJECTS, VIOLENTLY VARIABLE QUASARS' A. E. GLASSGOLD - NEW YORK U.

QSERG 'QUASARS AT REDSHIFT 1' RICHARD F. GREEN - ARIZONA

XQERG 'BRIGHT OPTICALLY SELECTED QUASARS WITH HIGH X-RAY FLUX' RICHARD F. GREEN - ARIZONA

QSESG 'TIME VARIATIONS OF EMISSION LINES IN SEYFERT 1 GALAXIES' STEPHEN A. GREGORY - BOWLING GREEN

BLEKH 'TEMPORAL VARIATIONS IN THE SPECTRA OF ACTIVE BL LAC OBJECTS' KAREN R. H. HACKNEY - W. KENTUCKY

CCEKH 'SOLAR-LIKE ACTIVITY CYCLES OF STELLAR CHROMOSPHERES' KENNETH L. HALLAM - GSFC

LDEKH 'STELLAR DIFFERENTIAL ROTATION & CHROMOSPHERIC SURFACE DISTRIBUTION' KENNETH L. HALLAM - GSFC

NPEJH 'A STUDY OF THE PLANETARY NEBULA IC 2149' J. PATRICK HARRINGTON - MARYLAND

CSELH 'DYNAMICS OF HOT GAS SURROUNDING HYBRID STARS' LEE W. HARTMANN - CFA - SAO

MLERH 'FAR-ULTRAVIOLET STUDY OF ACTIVE SHELL STARS' RYUKO HIRATA - KYOTO

QSERH 'UV EMISSION IN QUASAR QO420-388 WITH  $Z = 3.12$ ' ROBERT W. HOBBS - GSFC

IGELH 'IUE OBSERVATIONS OF INTERSTELLAR CARBON' LOU M. HOBBS - CHICAGO

HSEPH 'EVOLUTION OF MASS LOSS IN STARS OF MAGELLANIC CLOUD CLUSTERS' PAUL W. HODGE - WASH.

MLEPH 'MASS LOSS EVOLUTION IN NGC 6530' PAUL W. HODGE - WASH.

RCEAH 'EXTINCTION IN R CRB VARIABLES' ALBERT V. HOLM - CSC

FBEAH 'PHASE-RESOLVED SPECTROPHOTOMETRY OF THE ZZ CETI VARIABLE G29-38' ALBERT V. HOLM - CSC

HEEAH 'IUE OBSERVATIONS OF HIGH LUMINOSITY HELIUM PULSATIONAL VARIABLES' ALBERT V. HOLM - CSC

EGEJH 'ULTRAVIOLET SPECTROPHOTOMETRY OF HOT GALAXIES WITH IUE' JOHN P. HUCHRA - CFA - SAO

PMECI 'ULTRAVIOLET OBSERVATIONS OF THE PRE-MAIN SEQUENCE STAR FU ORIONIS' CATHERINE L. IMHOFF - CSC

TTECI 'THE DEVELOPMENT OF CHROMOSPHERES & CORONAE IN THE T TAURI STARS' CATHERINE L. IMHOFF - CSC

EHEEJ 'LYMAN ALPHA HALOS OF GALAXIES' E. B. JENKINS - PRINCETON

RNEHJ 'STUDIES OF THE ULTRAVIOLET SPECTRA OF CARBON STARS' HOLLIS R. JOHNSON - INDIANA

BPEJJ 'RELATIONSHIP BETWEEN HELIUM ANOMALOUS STARS OF POPULATIONS I AND II' JUN JUGAKU - TOKYO

ZAEMK 'OBSERVATIONS OF SYMBIOTIC STARS IN THE MAGELLANIC CLOUDS' MINAS KAFATOS - GEORGE MASON

NPEJK 'CENTRAL STARS OF LARGE PLANETARY NEBULAE' JAMES B. KALER - ILLINOIS

SNERK 'IUE SUPERNOVA SPECTROSCOPY' ROBERT P. KIRSHNER - MICHIGAN

BLEYK 'SYNOPTIC OBSERVATIONS OF BL LAC OBJECTS IN SEVERAL WAVELENGTH REGIONS' YOJI KONDO - GSFC

TTELK 'THE ULTRAVIOLET EXCESS IN T TAURI STARS' LEONARD V. KUHI - CAL BERKELEY

CBEDL 'THE PRIMARY COMPONENT OF ALGOL SYSTEMS OF LOW MASS RATIO' DAVID L. LAMBERT - TEXAS

VVEDL 'EPSILON AURIGAE IN ECLIPSE' DAVID L. LAMBERT - TEXAS

SSEAL 'UV SPECTROPHOTOMETRY OF THE SATURNIAN SATELLITES IAPETUS, RHEA & DIONE' ARTHUR L. LANE - JPL

AMEJL 'THE ENERGY DISTRIBUTIONS OF AM STARS IN OPEN CLUSTERS' JOHN B. LESTER - TORONTO-ERN DL

AAEJL 'A TEST OF CONVECTIVE MODEL ATMOSPHERES' JOHN B. LESTER - TORONTO-ERN DL

CVEJL 'BRIGHT, OPTICALLY THICK ACCRETION DISKS' JAMES W. LIEBERT - ARIZONA

BYEJL 'STUDIES OF SPOTS & PLAGES IN BY DRACONIS-TYPE VARIABLE STARS' JEFFREY L. LINSKY - COLORADO

CCEJL 'CHROMOSPHERIC DENSITIES AND GEOMETRICAL EXTENSIONS OF LATE-TYPE GIANTS' JEFFREY L. LINSKY - COLORADO

CBEJL 'HIGH DISPERSION SWP OBSERVATIONS OF TWO LATE-TYPE BINARIES' JEFFREY L. LINSKY - COLORADO

FSEJL 'COORDINATED OBSERVATIONS OF FLARES ON UV CETI-TYPE STARS' JEFFREY L. LINSKY - COLORADO

CSEJL 'HIGH DISPERSION SWP SPECTRA OF YELLOW AND RED GIANTS' JEFFREY L. LINSKY - COLORADO

DMEJL 'HIGH DISPERSION SWP SPECTRA OF TWO DME STARS' JEFFREY L. LINSKY - COLORADO

PMEJL 'POST T-TAURI STARS' JEFFREY L. LINSKY - COLORADO

LDEJL 'A CORRELATIVE STUDY OF THE VARIABILITY OF XI BOO A' JEFFREY L. LINSKY - COLORADO

SGBM 'A SEARCH FOR COMPANIONS TO NON-PULSATING YELLOW SUPERGIANTS' BARRY F. MADORE - TORONTO

NAESM 'C ABUNDANCE IN PLANETARY NEBULA OF FORNAX GALAXY' STEPHEN P. MARAN - GSFC

HLEPM 'SUPER W-R STARS IN M33' PHILIP MASSEY - DAO

SJEDM 'ULTRAVIOLET SPECTROPHOTOMETRY OF THE GALILEAN SATELLITES OF JUPITER' DENNIS L. MATSON - JPL

SAEDM 'ULTRAVIOLET REFLECTANCE SPECTROSCOPY OF SELECTED ASTEROIDS' DENNIS L. MATSON - JPL

IBEGM 'IUE SPECTROSCOPY OF THE EXTRAORDINARY INTERACTING BINARY R ARAE' GEORGE E. MCCLUSKEY - LEHIGH

BLEHM 'IUE OBSERVATIONS OF BL LAC OBJECTS & QVQ QUASARS' H. RICHARD MILLER - GEORGIA

SJEHM 'STUDY OF THE JOVIAN AURORAL SPECTRAL & INTENSITY VARIATIONS' H. WARREN MOOS - JOHNS HOPKINS

SPEHM 'IUE STUDY OF EMISSIONS FROM SATURN & URANUS' H. WARREN MOOS - JOHNS HOPKINS

SIEHM 'STUDY OF THE TORUS OF IO USING IUE' H. WARREN MOOS - JOHNS HOPKINS

CBENM 'STELLAR WINDS IN TWO MASSIVE BINARY STARS WITH KNOWN ORBITS' NANCY D. MORRISON - TOLEDO

LDERN 'ACTIVE REGIONS ON SOLAR-TYPE DWARFS' ROBERT W. NOYES - CFA - SAO

RGERO 'NONTHERMAL ULTRAVIOLET RADIATION IN NEARBY COMPACT RADIO SOURCES' ROBERT W. O'CONNELL - VIRGINIA

QSEJO 'IUE OBS OF VARIABLE TYPE 1 SEYFERT GALAXIES' J. B. OKE - CAL TECH

CBEEQ 'TARGET OF OPPORTUNITY OBSERVATIONS OF U CEPHEI IN ACTIVE MASS TRANSFER' EDWARD C. OLSON - ILLINOIS

DSERP 'UV VARIABILITY OF DELTA SCUTI STARS' ROBERT J. PANEK - CSC

RSERP 'ROTATIONAL COUPLING OF CROMOSPHERIC ACTIVITY IN RS CVN BINARY STARS' RONALD A. PARISE - CSC

CBESP 'MASS RATIOS OF BINARIES WITH COOL PRIMARIES & HOT SECONDARIES' SIDNEY B. PARSONS - GSFC

CVEJP 'ULTRAVIOLET SPECTRA OF WHITE DWARF PULSARS' JOSEPH PATTERSON - CFA - SAO

IBEMP 'INTERACTING CLOSE BINARY STARS OF LONGER PERIOD' MIREK J. PLAVEC - CAL LA  
QSERP 'UV/OPTICAL/INFRARED OBSERVATIONS OF BROAD LINE RADIO GALAXIES' RICHARD C. PUETTER - CAL SAN DIEGO  
RGERP 'FE II UV MULTIPLY OBSERVATIONS OF BROAD LINE RADIO GALAXIES' RICHARD C. PUETTER - CAL SAN DIEGO  
NSEJR 'ULTRAVIOLET SPECTRA OF NON-RADIATIVE SHOCK WAVES' JOHN C. RAYMOND - CFA - SAO  
IMEJR 'GRAIN DESTRUCTION & ELEMENTAL ABUNDANCES IN INTERSTELLAR SHOCKS' JOHN C. RAYMOND - CFA - SAO  
QSEWS 'COORDINATED ULTRAVIOLET, OPTICAL & INFRARED OBSERVATIONS OF HIGH-REDSHIFT QUASARS' W. L. W. SARGENT - CAL TECH  
EHEBS 'A STUDY OF MAGELLANIC CLOUD HALO GAS' BLAIR D. SAVAGE - WISCONSIN  
GHEBS 'CONTINUED STUDIES OF MILKY WAY HALO GAS' BLAIR D. SAVAGE - WISCONSIN  
IEEBS 'EXTINCTION & CONTINUA OF STARS IN H II REGIONS' BLAIR D. SAVAGE - WISCONSIN  
DCEES 'ULTRAVIOLET SPECTROSCOPY OF BRIGHT CEPHEIDS' EDWARD G. SCHMIDT - NEBRASKA  
HHERS 'UV OBSERVATIONS OF LOW EXCITATION HH OBJECTS.' RICHARD D. SCHWARTZ - MISSOURI  
CBEJS 'AN INITIAL ULTRAVIOLET INVESTIGATION OF RAPIDLY EVOLVING SHORT PERIOD ECLIPSING BINARIES' J. SCOTT SHAW - GEORGIA  
HLESS 'LUMINOUS, EXTENDED ATMOSPHERE STARS IN THE LOCAL GROUP' STEVEN N. SHORE - CASE W.R.  
HEESS 'SPECTROSCOPY & ZEEMAN POLARIMETRY OF HELIUM RICH MAGNETOSPHERES & WINDS' STEVEN N. SHORE - CASE W.R.  
HHEJS 'IUE OBSERVATIONS OF THE BRIGHTEST HERBIG-HARO OBJECTS' J. MICHAEL SHULL - COLORADO  
IGEJS 'IUE INTERSTELLAR OBSERVATIONS OF BRIGHT OB-STARS' J. MICHAEL SHULL - COLORADO  
AEETS 'TEMPORAL CHANGES IN THE ULTRAVIOLET SPECTRUM OF AB AUR' THEODORE SIMON - HAWAII  
LDETS 'SIMULTANEOUS ULTRAVIOLET & MAGNETIC OBSERVATIONS OF THREE LATE-TYPE STARS' THEODORE SIMON - HAWAII  
LGETS 'ULTRAVIOLET OBSERVATIONS OF YOUNG GIANT STARS' THEODORE SIMON - HAWAII  
RSETS 'A PERIOD-ACTIVITY RELATION FOR ACTIVE RS CVN STARS' THEODORE SIMON - HAWAII

VVETS 'ECLIPSE OBSERVATIONS OF EPSILON AURIGAE' THEODORE SIMON - HAWAII

HEEES 'HIGH RESOLUTION ULTRAVIOLET STUDIES OF HOT HELIUM RICH WHITE DWARFS' EDWARD M. SION - VILLANOVA

XQEMS 'ULTRAVIOLET OBSERVATIONS OF A SAMPLE OF X-RAY EMITTING QSOs' MICHAEL L. SITKO - MINNESOTA

QSEMS 'ULTRAVIOLET OBSERVATIONS OF AN OPTICALLY SELECTED SAMPLE OF LOW-REDSHIFT QSOs' MICHAEL L. SITKO - MINNESOTA

BEETS 'BE STAR VARIABILITY' THEODORE P. SNOW - COLORADO

IEETS 'OBSERVATIONS OF GRAINS IN THE INTERSTELLAR MEDIUM' THEODORE P. SNOW - COLORADO

HSETS 'UV & X-RAY VARIABILITY IN HOT STARS' THEODORE P. SNOW - COLORADO

LDEDS 'SPECTRA OF LATE-F DWARFS & THEIR RELATION TO ROTATION' DAVID R. SODERBLOM - CFA - SAO

CVESS 'ULTRAVIOLET OBSERVATIONS OF GALACTIC NOVAE' SUMNER STARRFIELD - ARIZONA ST.

CBEPS 'A STUDY OF THE VARIABILITY OF 2A0526-328' PAULA SZKODY - WASH.

CVEPS 'SHORT OUTBURST PERIOD CATAclySMIC VARIABLES' PAULA SZKODY - WASH.

EGETT 'UV STUDIES OF MINI-SEYFERT AND STARBURST GALACTIC NUCLEI' TRINH X. THUAN - VIRGINIA

SPEJT 'HIGH SPATIAL RESOLUTION IUE OBSERVATIONS OF JUPITER & SATURN' JOHN T. TRAUGER - CAL TECH

GHEST 'THE EXTENT OF A HOT GASEOUS GALACTIC HALO' SCOTT D. TREMAINE - MIT

QSEDT 'OBSERVATIONS OF EDGE ON SEYFERTS WITH IUE' DAVID A. TURNSHEK - PITTSBURGH

SGEAU 'LUMINOUS EARLY-TYPE STARS' ANNE B. UNDERHILL - GSFC

HEEGW 'ULTRAVIOLET STUDY OF HELIUM (DB) WHITE DWARFS' GARY A. WEGNER - PENN ST.

WDEGW 'A STUDY OF THE ULTRAVIOLET SPECTRA OF WHITE DWARFS CONTAINING CARBON' GARY A. WEGNER - PENN ST.

APEWV 'UNSTABLE ELEMENTS IN NORMAL & PECULIAR STARS OF A-TYPE' WERNER W. WEISS - VIENNA

QCEBW 'THE CONTINUUM ENERGY DISTRIBUTIONS OF QUASARS' BEVERLEY J. WILLS - TEXAS



QFEBW 'FE II ULTRAVIOLET LINES IN SEYFERT 1 NUCLEI & QUASARS' BEVERLEY J. WILLS - TEXAS

ZAEW 'UV LINE VARIATIONS IN MIRA SYMBIOTICS' LEE ANNE WILLSON - IOWA STATE

BLEDW 'MULTIFREQUENCY OBSERVATIONS OF ACTIVE GALACTIC NUCLEI' DIANA M. WORRALL - CAL SAN DIEGO

CBECW 'ULTRAVIOLET OBSERVATIONS OF THE OLD NOVA RR PICTORIS' CHI-CHAO WU - CSC

QSECW 'UV OBSERVATIONS OF LOW REDSHIFT QUASARS' CHI-CHAO WU - CSC

CVECW 'TARGET OF OPPORTUNITY OBSERVATIONS OF NOVA & X-RAY NOVA' CHI-CHAO WU - CSC

MLECW 'SHORT TIME VARIATIONS IN THE MASS-LOSS RATE OF EARLY TYPE STARS' CHI-CHAO WU - CSC

GHEDY 'ABSORPTION MEASURES OF GAS IN GALACTIC HALOS' DONALD G. YORK - PRINCETON

#### NASA OBSERVATORY PROGRAMS

PHCAL 'PHOTOMETRIC CALIBRATION STARS'

RPSTD 'REPRESENTATIVE STANDARD STARS'

#### NASA DISCRETIONARY TIME PROGRAMS

OD1AB 'VV CEPHEI' ANDREA K. DUPREE - HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS

OD2AB 'NOVA SERPENTIS 1978' C. -C. WU - IUE STAFF

OD3AB 'SS CYGNI' A. V. HOLM - IUE STAFF

OD4AB 'THE STELLAR WIND PHENOMENA IN EARLY TYPE SUPER GIANTS' T. P. SNOW - UNIVERSITY OF COLORADO

OD5AB 'SIMULTANEOUS UV AND X-RAY OBSERVATIONS OF THE BL LAC OBJECT MKN 501' R. L. HACKNEY - WESTERN KENTUCKY UNIVERSITY

DD6AB 'NOVA-CYgni 1978' C. -C. WU - IUE STAFF

DD7AB 'SUPERNOVA 1978 IN IC 5201' A. V. HOLM - IUE STAFF

DD8AB 'OUTBURST OF WZ SGE AND U SCO' A. V. HOLM - IUE STAFF

DD9AB 'FLARE STARS UX ARI AND HR 5110 IN ACTIVE STATE' F. H. SCHIFFER, III - IUE STAFF

DD10B 'THE DWARF CEPHEID SX PHOENICIS' S. SOFIA - GSFC

DD11B 'THE TRANSIENT X-RAY SOURCE CEN X-4' C. -C. WU - IUE STAFF

DD12B 'SS433' A. B. UNDERHILL - GSFC

DD13B 'BL LAC OBJECTS AND SEYFERTS' - HUGGINS - NEW YORK UNIVERSITY

DD14B '1979-80 ECLIPSE OF AU AUR' CHAPMAN - GSFC

DD15B 'YZ CMI' HOLT/DUPREE - CENTER FOR ASTROPHYSICS

DD16B 'HR DEL' J. HUTCHINGS - DOMINION ASTROPHYSICAL OBSERVATORY

DD17B 'EARLY TYPE SUPERGIANTS' A. UNDERHILL - GSFC

DD18B 'CN LEO' HOLM/LINSKY - JILA

DD19B 'HOT STARS BEHIND COMET BRADFIELD' C.C. WU - GSFC

DD20B 'SATURN RING-PLANE CROSSING' A. LANE - JET PROPULSION LABORATORY

DD21B 'TV GEM' KAFATOS

DD22B 'NOVA HER 1963' BLESS -

DD23B 'V471 TAU' E. F. GUINAN - VILLANOVA UNIVERSITY

DD24B 'HD 215441' R. GREEN - STEWARD OBSERVATORY

DD25B 'QSO'S' G. FABBIANO - CENTER FOR ASTROPHYSICS

0026B 'AE AQR' S. LAMB - DEPARTMENT OF PHYSICS

0027B 'ABELL 35' G. JACOBY - KITT PEAK NATIONAL OBSERVATORY

0028B 'CYGNUS LOOP' A. GLASSGOLD - STEWARD OBSERVATORY

0029B 'AU SGR' Y. KONDO - GSFC

0030B '3C 390 3' J. OKE - HALE OBSERVATORIES

0031B 'PROX CEN' J. LINSKY - JILA

0032B 'V603 AQL' J. RAHE - GSFC

0033B 'CYG OB2 8A=BD+40 4227' D. ABBOTT - WASHBURN OBSERVATORY

0034B 'HD 219150' BOLTON

0035B 'INTERSTELLAR GAS' D. LIEN - UNIVERSITY OF ILLINOIS

0036B 'BL LAC OBJECT' K. HACKNEY - WESTERN KENTUCKY UNIVERSITY

0037B 'HD 36389' R.J. PANEK - CSC - GSFC

0038B 'MASS DETERMINATION OF EVOLVED AND EARLY TYPE STARS' - FEKEL - GSFC

0039B 'BRIGHT DC WHITE DWARFS' - WEGNER - PENNSYLVANIA STATE UNIVERSITY

0040B 'CARINA NEBULA STARS' - HESSER - DOMINION ASTROPHYSICAL OBSERVATORY

0041B 'BD +30 3639' - UNDERHILL - GSFC

0042B 'IM MON' - NOMOTO - GSFC

0043B 'A STUDY OF STELLAR WIND VARIABILITY IN O STARS USING IUE' - T. P. SNOW - UNIVERSITY OF COLORADO LASP

0044B 'SIMULTANEOUS UV-X-RAY OBSERVATIONS OF JUPITER' - A. METZGER - JET PROPULSION LABORATORY

0045B 'SKY LYMAN ALPHA' J. T. CLARKE - UNIVERSITY OF CALIFORNIA

0046B '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 & POPULATION II CEPHEIDS' E. BOHM-VITENSE - UNIVERSITY OF WASHINGTON

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 ASTRONOMIA 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 & SPACE 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  
OD72B 'BF ORI' J. NOUSEK - PENNSYLVANIA STATE UNIVERSITY  
OD73B 'HALO OF NGC 1300' B. MARGON - UNIVERSITY OF WASHINGTON  
OD74B 'SY MUSCAE' A. MICHALITSIANOS - GSFC  
OD75B 'INTERSTELLAR WIND LY-ALPHA' C. BOWYER - UNIVERSITY OF CALIFORNIA, BERKELEY  
OD76B 'CORDOBA 12403' H.L. HELFER - UNIVERSITY OF ROCHESTER  
OD77B 'HD 4174' R.E. STENCEL - UNIVERSITY OF COLORADO  
OD78B 'HD 207739' S. PARSONS - GSFC  
OD79B 'EARLY A-TYPE SHELL STARS' A. SLETTEBAK - OHIO STATE UNIVERSITY  
OD80B 'AR PAV ECLIPSE' A. P. COWLEY - UNIVERSITY OF MICHIGAN  
OD81B 'JUPITER AND SATURN' J. CALDWELL - STATE UNIVERSITY OF NEW YORK  
OD82B 'BINARY F STARS' E. BOHM-VITENSE - UNIVERSITY OF WASHINGTON  
OD83B 'BE STAR VARIABILITY' T.P. SNOW - UNIVERSITY OF COLORADO  
OD84B 'POX 186' J. SILK - UNIVERSITY OF CALIFORNIA, BERKELEY  
OD86B 'HM OBJECTS' J. SHULL - UNIVERSITY OF COLORADO  
OD87B 'ROCKET UV SOURCES' R. BOHLIN - GSFC  
OD88B 'V923 AQLUILAE' J. SAHADE - INSTITUTO ARGENTINO DE RADIOSTRONOMIA

0089B 'CI CYGNI' R. STENCEL - NASA HEADQUARTERS

0090B 'SMC OB SUPERGIANTS' N. WALBORN - GSFC

0091B 'PN O259+647' J. HECKATHORN - GSFC

0092B 'ENVELOPE EJECTION BY ACTIVE BE STARS' P. BARKER - UNIVERSITY OF WESTERN ONTARIO

0093B 'RADIO SOURCE NEAR R AQUARU' J. HOLLIS - GSFC

0094B 'TV GEMINORUM' A. UNDERHILL - GSFC

0095B 'HOT COMPANIONS OF CHROMOSPHERICALLY ACTIVE STARS' F. FEKEL - GSFC

0096B 'COORDINATED UV AND X-RAY OBSERVATIONS OF VELA X-1' Y. TANAKA - INSTITUTE OF SPACE & ASTRONAUTICAL SCIENCE, JAPAN

0097B 'ORION REFLECTION NEBULOSITY' ADOLF N. WITT - UNIVERSITY OF TOLEDO

0001K 'FEBRUARY 1983 OUTBURST OF OMEGA ORIONIS' G. SONNEBORN - CSC

0002K 'ROTATION AND CHROMOSPHERIC ACTIVITY OF HD 8358' B. BOPP - UNIVERSITY OF TOLEDO

0003K 'UV OBSERVATIONS OF HH 57' C. L. IMHOFF - CSC

0004K 'THE INTERACTING BINARY U SGE' G. E. MCCLUSKEY - LEHIGH UNIVERSITY

0005K 'UV OBSERVATIONS OF SU UMA AND AM HER' P. SZKODY - UNIVERSITY OF WASHINGTON

0006K 'THE INTERACTING BINARY SYSTEMS RS VUL AND CX DRA' G. J. PETER - UNIVERSITY OF SOUTHERN CALIFORNIA

0007K 'THE BUTTERFLY NEBULA M2-9' W. A. FEIBELMAN - GSFC

0008K 'FEIGE 24 AT ELONGATION' A. K. DUPREE - CENTER FOR ASTROPHYSICS

0009K 'ROTATION OF SOLAR TYPE STARS' K. HALLAM - GSFC

0010K 'MOLECULAR ABSORPTION IN COMET IRAS' F. BRUHWEILER - CATHOLIC UNIVERSITY

0011K 'MG II VARIATIONS IN 56 PEGASI' R. E. STENCEL - NASA HQ

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN SC	MIN SE							YR	DAY	HR	MIN				
HD 28978	EA051	.	.	.	.	5.7	.	.	99	LWR	14328	H L O	23 00	82 276	16 56	V /	* 503 4-MIN-HTR		
SERENDIP	EE258	.	.	.	.	0.0	.	.	99	LWR	14469	L L O	320 00	82 296	15 57	V /	* 118 MN=287		
NULL IMG	NDERD	.	.	.	.	.	.	.	99	LWR	15332	H	000 00	83 050	15 31	G 83/052*	B=25		
NULL IMG	NDERD	.	.	.	.	.	.	.	99	LWR	15336	L	000 00	83 050	21 21	G 83/052*	B=22		
NULL	NPETB	.	.	.	.	.	.	.	99	SWP	18738	L L O	000 00	82 339	23 24	G 82/340*	B=25		
NULL IMG	OD86B	.	.	.	.	.	.	.	99	LWP	1680	L	000 00	82 273	00 13	G 82/273	C=50, B=20		
NULL	PHCAL	.	.	.	.	.	.	.	99	LWR	12924	H	000 00	82 091	01 38	G 82/091	B=12		
NULL	PHCAL	.	.	.	.	.	.	.	99	SWP	16709	L	0 000 00	82 097	10 37	G 82/097R	B=23		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16736	L S C	000 05	82 099	22 20	G 82/103	NO COMMENTS		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	SWP	16736	L S C	000 02	82 099	22 22	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16737	H S C	000 05	82 099	22 47	G 82/103	NO COMMENTS		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	SWP	16737	H S C	002 00	82 099	22 49	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16738	H S C	000 05	82 099	23 17	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	12994	L S C	000 07	82 099	23 40	G 82/103	NO COMMENTS		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWR	12994	L S C	000 01	82 099	23 41	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	12995	H S C	000 07	82 100	00 04	G 82/103	NO COMMENTS		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWR	12995	H S C	000 16	82 100	00 06	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	12996	H S C	000 07	82 100	00 34	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1518	L S C	000 25	82 102	22 38	G 82/103	E=20		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWP	1518	L S C	000 01	82 102	22 39	G 82/103	E=20		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1519	H S C	000 25	82 102	23 06	G 82/103	E=50		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWP	1519	H S C	000 16	82 102	23 08	G 82/103	E=50		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1520	H S O	000 25	82 102	23 50	G 82/103	NO COMMENTS		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1538	L S C	000 25	82 120	15 08	G 82/124	E=50X		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWP	1538	L S C	000 01	82 120	15 10	G 82/124	E=50X		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1539	H S C	000 25	82 120	15 37	G 82/124	E=50X		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWP	1539	H S C	000 16	82 120	15 38	G 82/124	E=50X		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWP	1540	H	000 25	82 120	16 22	G 82/124	B=100		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16874	L S C	000 05	82 120	17 45	G 82/125	E=255, B=100		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	SWP	16874	L S C	000 02	82 120	17 46	G 82/125	E=255, B=100		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16875	H S C	000 05	82 120	18 10	G 82/125	E=50X, B=120		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	SWP	16875	H S C	002 00	82 120	18 11	G 82/125	E=50X, B=120		
T-FLOOD	PHCAL	.	.	.	.	0.0	.	.	99	SWP	16876	H	000 05	82 120	18 40	G 82/125	B=110		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	13118	L S C	000 07	82 120	18 52	G 82/125	E=10X, B=90		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWR	13118	L S C	000 01	82 120	18 54	G 82/125	E=10X, B=90		
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	13119	H S C	000 07	82 120	19 20	G 82/125	E=50X, B=130		
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	98	LWR	13119	H S C	000 16	82 120	19 21	G 82/125	E=50X, B=130		
T-FLOOD	PHCAL	.	.	.	.	0.0	.	.	99	LWR	13120	H	000 07	82 120	19 53	G 82/125	B=100		
NULL	PHCAL	.	.	.	.	.	.	.	99	SWP	16883	L	000 00	82 122	08 51	G 82/125	NO COMMENTS		
NULL	PHCAL	.	.	.	.	.	.	.	99	LWR	13150	L	000 00	82 123	15 11	G 82/125	NO COMMENTS		

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC							DEG	MN	SEC	MIN	SE	YR			
NULL	PHCAL	.	.	.	.	.	.	99 LWR 13212 L	.	.	000	00	82	129	23	52	G 82/132	B=25	
NULL IMG	PHCAL	.	.	.	.	.	.	99 LWR 13214 L	.	.	000	00	82	130	09	44	G 82/132	NO COMMENTS	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWR 13225 L	L D	.	000	00	82	131	14	35	G 82/132	NO COMMENTS	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1556 L	S C	.	000	25	82	143	14	22	G 82/145	E=50X, B=108	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWP 1556 L	S C	.	000	01	82	143	14	23	G 82/145	E=50X, B=108	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1557 L	S C	.	000	25	82	143	14	51	G 82/145	E=50X, B=105	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWP 1557 L	S C	.	000	01	82	143	14	53	G 82/145	E=50, B=105	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1558 H	S C	.	000	25	82	143	15	20	G 82/145	E=50X, B=115	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWP 1558 H	S C	.	000	16	82	143	15	22	G 82/145	E=50X, B=115	
TFLOOD	PHCAL	.	.	.	.	.	.	99 LWP 1559 H	C	.	000	25	82	143	16	10	G 82/145	B=99	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 SWP 17022 L	S C	.	000	05	82	143	16	41	G 82/145	E=50X, B=100	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 SWP 17022 L	S C	.	000	02	82	143	16	43	G 82/145	E=50X, B=100	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 SWP 17023 H	S C	.	000	05	82	143	17	05	G 82/145	E=50X, B=121	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 SWP 17023 H	S C	.	002	00	82	143	17	07	G 82/145	E=50X, B=121	
TFLOOD	PHCAL	.	.	.	.	.	.	99 SWP 17024 H	C	.	000	05	82	143	17	38	G 82/145	NO COMMENTS	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWR 13299 L	S C	.	000	07	82	143	17	49	G 82/145	E=50X, B=95	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWR 13299 L	S C	.	000	01	82	143	17	51	G 82/145	E=5X, B=95	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWR 13300 H	S C	.	000	07	82	143	18	14	G 82/145	E=50X, B=142	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWR 13300 H	S C	.	000	16	82	143	18	16	G 82/145	E=50X, B=142	
TFLOOD	PHCAL	.	.	.	.	.	.	99 LWR 13301 H	C	.	000	07	82	143	18	43	G 82/145	B=130	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWR 13324 L	.	.	000	00	82	147	17	05	G 82/147	B=21	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWR 13328 L	.	.	000	00	82	148	13	31	G 82/148	NO COMMENTS	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWR 13335 L	.	.	000	00	82	149	08	20	G 82/152	NO COMMENTS	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWR 13361 L	.	.	000	00	82	151	08	48	G 82/154	NO COMMENTS	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWR 13375 L	S C	.	000	07	82	152	16	25	G 82/160	E=10-20X, B=88	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWR 13376 H	S C	.	000	07	82	152	16	25	G 82/160	E=50X, B=106	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWR 13376 H	S C	.	000	16	82	152	16	27	G 82/160	E=50X, B=106	
WAVECAL	PHCAL	.	.	.	0.0	.	.	98 LWR 13375 L	S C	.	000	01	82	152	16	27	G 82/160	E=10-20X, B=88	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWR 13377 H	S C	.	000	07	82	152	16	55	G 82/160	B=90	
NULL	PHCAL	.	.	.	0.0	.	.	99 LWP 1560 H	S C	.	000	00	82	152	17	29	G 82/154	B=20	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 SWP 17090 L	S C	.	000	05	82	152	17	57	G 82/160	E=10-20X, B=100	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 SWP 17090 L	S C	.	000	02	82	152	17	59	G 82/160	E=10-20X, B=100	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 SWP 17091 H	S C	.	000	05	82	152	18	22	G 82/160	E=50X, B=130	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 SWP 17091 H	S C	.	002	00	82	152	18	24	G 82/160	E=50X, B=130	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 SWP 17092 H	S C	.	000	05	82	152	18	52	G 82/160	B=100	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1561 L	S C	.	000	25	82	152	19	05	G 82/155	E=10-20X, B=108	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWP 1561 L	S C	.	000	01	82	152	19	07	G 82/155	E=10-20X, B=108	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1562 H	S C	.	000	25	82	152	19	44	G 82/155	E=50X, B=116	
WAVCAL	PHCAL	.	.	.	0.0	.	.	98 LWP 1562 H	S C	.	000	16	82	152	19	46	G 82/155	E=50X, B=116	
TFLOOD	PHCAL	.	.	.	0.0	.	.	99 LWP 1563 H	S C	.	000	25	82	152	20	14	G 82/155	B=95	



OBJECT ID	PRG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L S C	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS	
		HR MN	SEC	DEG MN SC	MIN SE								YR	DAY	HR	MN	YR/DAY				
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1564	H S C	000	25	82	152	20	56	G 82/155	NO COMMENTS	
NULL	PHCAL	.	.	.	.				99	LWR	13378	H L O	000	00	82	152	21	40	G 82/154R	B=12	
NULL	PHCAL	.	.	.	.	0.0			99	LWR	13381	L	000	00	82	153	07	13	G 82/154	NO COMMENTS	
NULL IMG	PHCAL	.	.	.	.				99	SWP	17150	H	000	00	82	159	10	10	G 82/160	B=22	
TFLOOD	PHCAL	.	.	.	.				99	SWP	17151	H L O	000	05	82	159	10	38	G 82/160	B=115	
RD-AF-G1	PHCAL	.	.	.	.				99	SWP	17154	H	000	16	82	159	11	01	G 82/160	B=255	
TFLOOD	PHCAL	.	.	.	.				99	SWP	17152	H L O	000	16	82	159	11	01	G 82/160	B=255	
TFL-G1C0	PHCAL	.	.	.	.				99	SWP	17153	H	000	16	82	159	11	01	G 82/160	NO COMMENTS	
TFL-G1C0	PHCAL	.	.	.	.				99	SWP	17155	H	000	16	82	159	12	07	G 82/160	NO COMMENTS	
TFL-AF-G	PHCAL	.	.	.	.				99	SWP	17156	H	000	16	82	159	12	08	G 82/160	B=255	
NULL PRD	PHCAL	.	.	.	.				99	SWP	17157	H	000	00	82	159	12	44	G 82/162	B=18	
NULL IMG	PHCAL	.	.	.	.				99	SWP	17158	H	000	00	82	159	13	11	G 82/160	B=21	
TFLOOD	PHCAL	.	.	.	.				99	SWP	17159	H	000	05	82	159	13	34	G 82/160	B=106	
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17160	H	000	16	82	159	13	57	G 82/160	B=1X	
G1CUTOFF	PHCAL	.	.	.	.	6.7	EO.11	B3	IV	99	LWR	13443	L L O	000	07	82	159	15	44	G 82/160	C=10, B=7
G1CUTOFF	PHCAL	.	.	.	.	6.7	EO.11	B3	IV	99	SWP	17162	L L O	000	10	82	159	15	50	G 82/161	NO COMMENTS
G1CUTOFF	PHCAL	.	.	.	.	6.7	EO.11	B3	IV	99	SWP	17163	L L O	000	10	82	159	16	46	G 82/161	NO COMMENTS
G1CUTOFF	PHCAL	.	.	.	.	6.7	EO.11	B3	IV	99	SWP	17164	L L O	000	10	82	159	16	59	G 82/161	NO COMMENTS
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1575	L S C	000	25	82	162	10	58	G 82/166	E=10X, B=105	
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1575	L S C	000	01	82	162	11	00	G 82/166	E=10X, B=105	
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1576	H S C	000	25	82	162	11	31	G 82/166	E=50X, B=114	
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1576	H S C	000	16	82	162	11	33	G 82/166	E=50X, B=114	
TFLOOD	PHCAL	.	.	.	.				99	LWP	1577	H S C	000	25	82	162	12	28	G 82/166	B=106	
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17190	L S C	000	05	82	162	13	02	G 82/166	E=10X, B=101	
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17190	L S C	000	02	82	162	13	04	G 82/166	E=10X, B=101	
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17191	H S C	000	05	82	162	13	29	G 82/166	E=10X, B=129	
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17191	H S C	002	00	82	162	13	30	G 82/166	E=10X, B=129	
TFLOOD	PHCAL	.	.	.	.				99	SWP	17192	H S C	000	05	82	162	13	59	G 82/166	B=110	
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	13473	L S C	000	07	82	162	14	13	G 82/166	E=10X, B=120	
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	13473	L S C	000	01	82	162	14	14	G 82/166	E=10X, B=120	
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	13474	H S C	000	07	82	162	14	45	G 82/166	E=50X, B=140	
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	13474	H S C	000	16	82	162	14	47	G 82/166	E=50X, B=140	
TFLOOD	PHCAL	.	.	.	.				99	LWR	13475	H S C	000	07	82	162	15	16	G 82/166	B=140	
NULL	PHCAL	.	.	.	.				99	SWP	17296	H L O	000	00	82	177	12	20	G 82/183	B=21	
NULL	PHCAL	.	.	.	.				99	SWP	17299	H	000	00	82	178	13	48	G 82/183	B=20	
NULL	PHCAL	.	.	.	.	0.0			99	LWR	13566	L	000	00	82	179	07	19	G 82/183	B=25	
NULL	PHCAL	.	.	.	.	0.0			99	LWR	13570	H	000	00	82	180	07	37	G 82/183	B=25	
TFLOOD	PHCAL	.	.	.	.				99	LWR	13572	L S C	000	07	82	180	14	25	G 82/194	E=10X, B=90	
WAVCAL	PHCAL	.	.	.	.				98	LWR	13572	L S C	000	01	82	180	14	27	G 82/194	E=10X, B=90	
TFLOOD	PHCAL	.	.	.	.				99	LWR	13573	H S C	000	07	82	180	14	50	G 82/194	E=50X, B=145	

OBJECT ID	PROG ID	TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P	L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	RA SEC								DEG MN SC	DEC MN SC	MIN	SE	YR			
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	.	16	82	180	14	52	G 82/194	E=50X, B=145
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	07	82	180	15	20	G 82/194	B=130
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	05	82	180	16	02	G 82/194	C=10X, B=100
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	.	02	82	180	16	04	G 82/194	E=10X, B=100
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	05	82	180	16	27	G 82/194	E=50X, B=130
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	.	00	82	180	16	29	G 82/194	E=50X, B=130
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	05	82	180	16	59	G 82/194	B=110
NULL	PHCAL	.	.	.	.	.	.	.	.	.	.	01	82	180	17	23	G 82/189	B=145
NULL	PHCAL	.	.	.	.	.	.	.	.	.	.	00	82	180	17	25	G 82/189	B=185
NULL	PHCAL	.	.	.	.	.	.	.	.	.	.	00	82	180	18	28	G 82/189	B=38
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	25	82	180	18	54	G 82/194	E=10X, B=110
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	.	01	82	180	18	56	G 82/194	E=10X, B=110
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	25	82	180	19	23	G 82/194	E=50X, B=110
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	.	16	82	180	19	24	G 82/194	E=50X, B=110
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	.	25	82	180	20	10	G 82/194	B=105
NULL	PHCAL	.	.	.	.	.	.	.	.	.	.	00	82	180	20	20	G 82/189	B=20
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	181	07	11	G 82/183	B=25
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	188	16	05	G 82/189	NO COMMENTS
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	190	05	04	G 82/190	B=22
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	193	04	56	G 82/194	B=24
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	205	11	05	G 82/209	C=25, B=25
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	07	82	207	11	51	G 82/218	E=10-20X, B=92
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	01	82	207	11	53	G 82/218	E=10-20X, B=92
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	07	82	207	12	17	G 82/218	E=10-20X, B=110
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	16	82	207	12	18	G 82/218	E=10-20X, B=110
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	07	82	207	12	47	G 82/211	B=108
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	07	82	207	13	10	G 82/218	B=108
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	05	82	207	13	33	G 82/211	E=10-20X, B=25
NULL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	207	13	58	G 82/211	B=31
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	05	82	207	14	26	G 82/218	E=10X, B=104
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	02	82	207	14	27	G 82/218	E=10X, B=104
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	207	14	52	G 82/211	E=50X, B=135
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	05	82	207	15	33	G 82/218	B=110
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	00	82	207	15	35	G 82/218	B=110
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	05	82	207	16	07	G 82/218	B=110
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	25	82	207	16	24	G 82/218	E=10X, B=112
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	01	82	207	16	26	G 82/218	10X, B=112
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	25	82	207	16	57	G 82/218	E=50X, B=125
WAVCAL	PHCAL	.	.	.	0.0	.	.	.	.	.	.	16	82	207	16	58	G 82/218	E=50X, B=125
TFLOOD	PHCAL	.	.	.	0.0	.	.	.	.	.	.	25	82	207	17	41	G 82/218	B=108

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG						MN	SC	S	P	A	TIME				MIN	SE	YR	DAY
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1616	H	S	0	000	05	82	207	18	07	G	82/211	E=20X, B=38
NULL	PHCAL	.	.	.	.				99	LWR	13825	L			000	00	82	213	04	39	G	82/217	NO COMMENTS
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17649	L	S	C	000	05	82	222	14	23	G	82/224	B=98
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17649	L	S	C	000	02	82	222	14	24	G	82/224	B=98
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17650	H	L	0	000	05	82	222	15	16	G	82/224	E=50X, B=130
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17650	H	L	0	002	00	82	222	15	18	G	82/224	E=50X, B=130
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17651	H	L	0	000	05	82	222	15	48	G	82/224	
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	13914	L	S	C	000	07	82	222	16	13	G	82/224	B=80
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	13914	L	S	C	000	01	82	222	16	14	G	82/224	B=80
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	13915	H	S	C	000	07	82	222	16	40	G	82/224	E=50X, B=120
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	13915	H	S	C	000	16	82	222	16	41	G	82/224	E=50X, B=120
TFLOOD	PHCAL	.	.	.	.				99	LWR	13916	H	S	C	000	07	82	222	17	09	G	82/224	B=98
SAF READ	PHCAL	.	.	.	.				99	LWP	1633	L	S	C	000	00	82	229	10	19	G	82/230	C=40, B=18
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1634	L	S	C	000	25	82	229	10	48	G	82/230	E=20X, B=105
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1634	L	S	C	000	01	82	229	10	49	G	82/230	E=20X, B=105
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1635	H	S	C	000	25	82	229	11	18	G	82/230	C=20X, B=106
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1635	H	S	C	000	16	82	229	11	20	G	82/230	C=20X, B=106
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1636	H	S	C	000	25	82	229	12	03	G	82/230	B=100
TFLOOD	PHCAL	.	.	.	.				99	LWP	1636	H	S		000	25	82	230	09	50	G	82/230	NO COMMENTS
NULL	PHCAL	.	.	.	.	0.0			99	SWP	17746	H	S	C	000	00	82	235	02	10	G	82/235	C=15, B=15
NULL	PHCAL	.	.	.	.	0.0			99	SWP	17753	H	S	C	000	00	82	236	02	09	G	82/236	C=22, B=22
NULL	PHCAL	.	.	.	.	0.0			99	LWP	1651	L			000	00	82	237	07	41	G	82/239	C=40, B=40
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17765	L	S	C	000	05	82	237	10	30	G	82/245	B=115
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17765	L	S	C	000	02	82	237	10	31	G	82/245	B=115
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17766	H	S	C	000	05	82	237	11	00	G	82/245	B=130
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17766	H	S	C	002	00	82	237	11	02	G	82/245	B=130
TFLOOD	PHCAL	.	.	.	.				99	SWP	17767	H			000	05	82	237	11	49	G	82/245	B=110
TFLOOD	PHCAL	.	.	.	.				99	LWP	1652	L	S	C	000	25	82	237	12	18	G	82/244	B=110
WAVCAL	PHCAL	.	.	.	.				98	LWP	1652	L	S	C	000	01	82	237	12	19	G	82/244	B=110
TFLOOD	PHCAL	.	.	.	.				99	LWP	1653	H	S	C	000	25	82	237	12	49	G	82/244	E=50X, B=115
WAVCAL	PHCAL	.	.	.	.				98	LWP	1653	H	S	C	000	16	82	237	12	50	G	82/244	E=50X, B=115
TFLOOD	PHCAL	.	.	.	.				99	LWP	1654	H			000	25	82	237	13	38	G	82/244	B=110
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14008	L	S	C	000	07	82	237	16	36	G	82/245	E=50X, B=125
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14008	L	S	C	000	01	82	237	16	37	G	82/245	E=50X, B=125
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14009	H	S	C	000	07	82	237	17	01	G	82/245	E=50X, B=130
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14009	H	S	C	000	16	82	237	17	02	G	82/245	E=50X, B=130
TFLOOD	PHCAL	.	.	.	.				99	LWR	14010	H			000	07	82	237	17	31	G	82/245	B=120
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14068	L	S	C	000	07	82	243	14	40	G	82/245	E=50X
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14068	L	S	C	000	01	82	243	14	41	G	82/245	E=50X
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14069	H	S	C	000	07	82	243	15	04	G	82/245	E=100X

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG						MN	SC	P	R	P	MIN				SE	YR	DAY	HR
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14069	H	S	C	000	16	82	243	15	05	G	82/245	E=100X
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14070	L	L	O	000	07	82	243	15	32	G	82/245	NO COMMENTS
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1657	L	S	C	000	25	82	243	16	06	G	82/245	E=50X,C=140,B=140
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1657	L	S	C	000	01	82	243	16	07	G	82/245	E=50X,C=140,B=140
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1658	H	S	C	000	25	82	243	16	35	G	82/245	E=100X,C=113,B=113
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1658	H	S	C	000	16	82	243	16	36	G	82/245	E=100X,C=113,B=113
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1659	H	S	C	000	25	82	243	17	21	G	82/245	C=100,B=100
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17941	L	S	C	000	05	82	256	08	20	G	82/259	E=10X,B=105
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17941	L	S	C	000	02	82	256	08	22	G	82/259	E=10X,B=105
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17942	H	S	C	000	05	82	256	08	51	G	82/259	E=50X,B=130
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	17942	H	S	C	002	00	82	256	08	53	G	82/259	E=50,B=130
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	17943	H	S	C	000	05	82	256	09	24	G	82/259	B=110
NULL	PHCAL	.	.	.	.				99	LWR	14169	L	L	O	000	00	82	256	15	55	G	82/258	C=30,B=10
NULL IMG	PHCAL	.	.	.	.				99	LWP	1682	H	S	C	000	00	82	273	07	38	G	82/273	B=35
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1683	L	S	C	000	25	82	273	08	29	G	82/273	E=50X,B=107
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1683	L	S	C	000	01	82	273	08	31	G	82/273	E=50X,B=107
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1684	H	S	C	000	25	82	273	09	00	G	82/273	E=100X,B=107
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWP	1684	H	S	C	000	16	82	273	09	02	G	82/273	E=100X,B=107
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWP	1685	H	S	C	000	25	82	273	09	47	G	82/273	B=100
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18158	L	S	C	000	05	82	273	10	36	G	82/274	E=50X,B=110
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	18158	L	S	C	000	02	82	273	10	38	G	82/274	E=50X
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18159	H	S	C	000	05	82	273	11	03	G	82/274	E=100X,B=125
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	18159	H	S	C	002	00	82	273	11	05	G	82/274	C=100X,B=125
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18160	H	S	C	000	05	82	273	11	34	G	82/274	B=110
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14297	L	S	C	000	07	82	273	13	04	G	82/274	E=50X,B=90
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14297	L	S	C	000	01	82	273	13	06	G	82/274	E=50X,B=90
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14298	H	S	C	000	07	82	273	13	31	G	82/274	E=100X
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14298	H	S	C	000	16	82	273	13	33	G	82/274	E=100X
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14299	H	S	C	000	07	82	273	14	02	G	82/274	B=85
NULL	PHCAL	.	.	.	.	0.0			99	LWR	14320	H	S	C	000	00	82	275	23	24	G	82/277	B=25
NULL	PHCAL	.	.	.	.	0.0			99	LWR	14322	H	S	C	000	00	82	276	06	04	G	82/277	B=25
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18218	L	S	C	000	05	82	279	05	11	G	82/279	E=10X,B=105
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	18218	L	S	C	000	02	82	279	05	12	G	82/279	E=10X,B=105
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18219	H	S	C	000	05	82	279	05	36	G	82/279	E=50X,B=130
WAVCAL	PHCAL	.	.	.	.	0.0			98	SWP	18219	H	S	C	002	00	82	279	05	38	G	82/279	E=50X,B=130
TFLOOD	PHCAL	.	.	.	.	0.0			99	SWP	18220	H	S	C	000	05	82	279	06	08	G	82/279	B=110
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14343	L	S	C	000	07	82	279	06	22	G	82/279	E=50X,B=145
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14343	L	S	C	000	01	82	279	06	24	G	82/279	E=50X,B=145
TFLOOD	PHCAL	.	.	.	.	0.0			99	LWR	14344	H	S	C	000	07	82	279	06	48	G	82/279	E=50X,B=145
WAVCAL	PHCAL	.	.	.	.	0.0			98	LWR	14344	H	S	C	000	16	82	279	06	49	G	82/279	E=50X,B=145

OBJECT ID	PROG ID	TARGET RA		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	SEC DEG MN SC							MIN SE YR	DAY HR MN	YR DAY HR MN						
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14345	H S C	000	07 82 279	07 17	G 82/279	B=140				
TFLOOD	PHCAL	.	.	.	.	.	99	LWP 1687	L S C	000	25 82 279	11 10	G 82/280	E=50X, B=110				
WAVCAL	PHCAL	.	.	.	.	.	98	LWP 1687	L S C	000	01 82 279	11 14	G 82/280	E=50X, B=110				
TFLOOD	PHCAL	.	.	.	.	.	99	LWP 1688	H S C	000	25 82 279	11 42	G 82/280	E=50X, B=110				
WAVCAL	PHCAL	.	.	.	.	.	98	LWP 1688	H S C	000	16 82 279	11 44	G 82/280	E=50X, B=110				
TFLOOD	PHCAL	.	.	.	.	.	99	LWP 1689	H S C	000	25 82 279	12 26	G 82/280*	B=110				
NULL	PHCAL	.	.	0.0	.	.	99	LWR 14372	L	0 000	00 82 282	22 52	G 82/285*	C=25, B=20				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14460	L S C	000	07 82 295	06 27	G 82/305*	E=10X, B=90				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWR 14460	L S C	000	01 82 295	06 28	G 82/305*	E=10X, B=90				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWR 14461	H S C	000	16 82 295	06 52	G 82/295*	E=50X, B=120				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14461	H S C	000	07 82 295	06 52	G 82/295*	E=50X, B=120				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14462	H S C	000	07 82 295	07 21	G 82/295*	B=110				
NULL	PHCAL	.	.	0.0	.	.	99	LWP 1692	H S C	000	00 82 295	07 52	G 82/295*	B=17				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWP 1693	L S C	000	25 82 295	08 19	G 82/295*	E=10X, B=100				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWP 1693	L S C	000	01 82 295	08 21	G 82/295*	E=10X, B=100				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWP 1694	H S C	000	25 82 295	08 49	G 82/295*	E=50X, B=110				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWP 1694	H S C	000	16 82 295	08 51	G 82/295*	E=50X, B=110				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWP 1695	H S C	000	25 82 295	09 34	G 82/295*	B=105				
NULL	PHCAL	.	.	0.0	.	.	99	LWR 14463	H S C	000	00 82 295	09 46	G 82/295*	B=13				
TFLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18360	L S C	000	05 82 295	10 03	G 82/295*	E=10X, B=100				
WAVCAL	PHCAL	.	.	0.0	.	.	98	SWP 18360	L S C	000	02 82 295	10 05	G 82/295*	E=10X, B=100				
TFLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18361	H S C	000	05 82 295	10 28	G 82/295*	E=50X, B=135				
WAVCAL	PHCAL	.	.	0.0	.	.	98	SWP 18361	H S C	002	00 82 295	10 30	G 82/295*	E=50X, B=135				
TFLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18362	H S C	000	05 82 295	10 58	G 82/295*	B=100				
NULL	PHCAL	.	.	.	.	.	99	SWP 18445	H S	0 000	00 82 305	09 03	G 82/307*	B=20				
NULL	PHCAL	.	.	.	.	.	99	LWR 14541	L S	0 000	00 82 305	10 23	G 82/307*	B=20				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14601	L S C	000	07 82 315	04 17	G 82/316*	E=20X, B=82				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWR 14601	L S C	000	01 82 315	04 19	G 82/316*	E=20X, B=82				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14602	H S C	000	07 82 315	04 44	G 82/316*	E=20X, B=143				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWR 14602	H S C	000	16 82 315	04 46	G 82/316*	E=20X, B=143				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWR 14603	H S C	000	07 82 315	05 14	G 82/316*	B=139				
TFLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18530	L S C	000	05 82 315	05 52	G 82/316*	E=10X, B=99				
WAVCAL	PHCAL	.	.	0.0	.	.	98	SWP 18530	L S C	000	02 82 315	05 54	G 82/316*	E=10X, B=99				
TFLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18531	H S C	000	05 82 315	06 17	G 82/316*	E=10X, B=123				
WAVCAL	PHCAL	.	.	0.0	.	.	98	SWP 18531	H S C	002	00 82 315	06 18	G 82/316*	E=10X, B=123				
T-FLOOD	PHCAL	.	.	0.0	.	.	99	SWP 18532	H S C	000	05 82 315	06 47	G 82/316*	B=105				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWP 1710	L S C	000	25 82 315	07 04	G 82/315*	E=10X, B=99				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWP 1710	L S C	000	01 82 315	07 06	G 82/315*	E=10X, B=99				
TFLOOD	PHCAL	.	.	0.0	.	.	99	LWP 1711	H S C	000	25 82 315	07 33	G 82/315*	E=10-20X, B=104				
WAVCAL	PHCAL	.	.	0.0	.	.	98	LWP 1711	H S C	000	16 82 315	07 35	G 82/315*	E=10-20X, B=104				

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
T-FLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1712 H		000 25	82 315	08 17	G 82/315*	B=103			
NULL	PHCAL	.	.	.	.	.					99 LWP	1730 H		000 00	82 329	07 03	G 82/335*	B=10			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWR	14757 L S C		000 07	82 335	04 10	G 82/336*	E=10X, B=90			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWR	14757 L S C		000 01	82 335	04 12	G 82/336*	E=10X, B=90			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWR	14758 H S C		000 07	82 335	04 40	G 82/336*	E=50X, B=130			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWR	14758 H S C		000 16	82 335	04 42	G 82/336*	E=10X, B=130			
TFLOOD	PHCAL	.	.	.	.	.					99 LWR	14759 H C		000 07	82 335	05 10	G 82/336*	B=120			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 SWP	18695 L S C		000 05	82 335	05 48	G 82/336*	E=10X, B=100			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 SWP	18695 L S C		000 02	82 335	05 49	G 82/336*	E=10X, B=100			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 SWP	18696 H S C		000 05	82 335	06 14	G 82/336*	E=50X, B=130			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 SWP	18696 H S C		002 00	82 335	06 15	G 82/337*	E=10X, B=130			
TFLOOD	PHCAL	.	.	.	.	.					99 SWP	18697 H C		000 05	82 335	06 44	G 82/336*	B=110			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1735 L S C		000 25	82 335	06 57	G 82/336*	E=10X, B=105			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWP	1735 L S C		000 01	82 335	06 59	G 82/336*	E=10X, B=105			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1736 H S C		000 25	82 335	07 27	G 82/336*	E=50X, B=115			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWP	1736 H S C		000 16	82 335	07 28	G 82/336*	E=50X, B=115			
TFLOOD	PHCAL	.	.	.	.	.					99 LWP	1737 H C		000 25	82 335	08 11	G 82/336*	B=105			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWR	14817 L S C		000 07	82 345	04 30	G 82/355*	E=20X, B=86			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWR	14817 L S C		000 01	82 345	04 32	G 82/355*	E=20X, B=86			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWR	14818 H S C		000 07	82 345	04 56	G 82/355*	E=50X, B=145			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWR	14818 H S C		000 16	82 345	04 57	G 82/355*	E=50X, B=145			
T-FLOOD	PHCAL	.	.	.	.	.	0.0				99 LWR	14819 H S C		000 07	82 345	05 25	G 82/355*	B=140			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 SWP	18774 L S C		000 05	82 345	06 04	G 82/355*	E=20X, B=103			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 SWP	18774 L S C		000 02	82 345	06 05	G 82/355*	E=20X, B=103			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 SWP	18775 H S C		000 05	82 345	06 28	G 82/355*	E=50X, B=130			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 SWP	18775 H S C		002 00	82 345	06 30	G 82/355*	E=50X, B=130			
T-FLOOD	PHCAL	.	.	.	.	.	0.0				99 SWP	18776 H S C		000 05	82 345	06 58	G 82/355*	B=104			
T-FLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1740 L S C		000 25	82 345	07 09	G 82/354*	E=20X, B=105			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWP	1740 L S C		000 01	82 345	07 11	G 82/354*	E=20X, B=105			
TFLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1741 H S C		000 25	82 345	07 38	G 82/354*	E=50X, B=105			
WAVCAL	PHCAL	.	.	.	.	.	0.0				98 LWP	1741 H S C		000 16	82 345	07 39	G 82/355*	E=50X, B=105			
T-FLOOD	PHCAL	.	.	.	.	.	0.0				99 LWP	1742 H S C		000 25	82 345	08 22	G 82/354*	B=100			
NULL IMG	PHCAL	.	.	.	.	.					99 SWP	18842 L S C		000 00	82 355	01 25	G 82/355*	B=15			
NULL IMG	PHCAL	.	.	.	.	.					99 SWP	18853 L C		000 00	82 356	01 20	G 82/356*	B=18			
TFLOOD	PHCAL	.	.	.	.	.					99 LWR	14874 L S C		000 07	82 357	02 56	G 82/363*	E=10X, B=80			
WAVCAL	PHCAL	.	.	.	.	.					98 LWR	14874 L L C		000 01	82 357	02 57	G 82/363*	E=10X, B=80			
TFLOOD	PHCAL	.	.	.	.	.					99 LWR	14875 H S C		000 07	82 357	03 19	G 82/363*	E=50X			
WAVCAL	PHCAL	.	.	.	.	.					98 LWR	14875 H S C		000 16	82 357	03 20	G 82/363*	E=50X			
TFLOOD	PHCAL	.	.	.	.	.					99 LWR	14876 L S C		000 07	82 357	03 48	G 82/363*	B=135			
NULL	PHCAL	.	.	.	.	.					99 LWP	1745 L S C		000 00	82 357	04 16	G 82/362*	B=18			

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P			EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS		
		HR	MN	SEC	DEG	MN	SC						MIN	SE	YR	DAY	HR	MN	YR/DAY						
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	SWP	18866	L	S	C	000	05	82	357	04	44	G	82/363*	E=10X,B=110
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	98	SWP	18866	L	S	C	000	02	82	357	04	45	G	82/363*	E=10X,B=110
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	98	SWP	18867	H	S	C	002	00	82	357	05	13	G	82/363*	E=50X,B=120
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	SWP	18867	H	S	C	000	05	82	357	05	13	G	82/363*	E=50X,B=120
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	SWP	18868	H	S	C	000	05	82	357	05	43	G	82/363*	B=110
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWP	1746	L	S	C	000	25	82	357	05	54	G	82/363*	E=10X,B=105
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	98	LWP	1746	L	S	C	000	01	82	357	05	56	G	82/363*	E=10X,B=105
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWP	1747	H	S	C	000	25	82	357	06	22	G	82/363*	E=50X,B=120
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	98	LWP	1747	H	S	C	000	16	82	357	06	23	G	82/363*	E=50,B=120
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWP	1748	H	S	C	000	25	82	357	07	09	G	82/363*	B=105
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	99	LWR	14950	L	S	D	000	07	82	364	02	29	G	82/364*	B=95
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	98	LWR	14950	L	S	D	000	01	82	364	02	31	G	82/364*	B=2
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWR	14957	L	S	D	000	07	82	364	06	01	G	83/004*	B=90
WAVCAL	PHCAL	.	.	.	.	.	.	.	.	.	98	LWR	14957	L	S	D	000	01	82	364	06	03	G	83/004*	B=90
PRD	NULL	PHCAL	.	.	.	.	.	.	.	.	99	LWR	14958	L			000	00	82	364	06	12	G	82/364*	C=100,B=18
NULL	IMG	PHCAL	.	.	.	.	.	.	.	.	99	LWR	14959	L			000	00	82	364	06	33	G	82/364*	B=22
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWR	14960	L		C	000	07	82	364	06	55	G	82/364*	B=98
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	.	99	LWR	14961	L		C	000	22	82	364	07	18	G	82/364*	B=255
NULL	PHCAL	.	.	.	.	.	.	.	.	.	99	LWR	14993	H	S		000	00	83	004	23	55	G	83/008*	NO COMMENTS
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15074	L	S	C	000	07	83	019	03	26	G	83/034*	E=50X
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWR	15074	L	S	C	000	01	83	019	03	28	G	83/034*	E=50X
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15075	H	S	C	000	07	83	019	03	51	G	83/034*	E=100X
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWR	15075	H	S	C	000	16	83	019	03	52	G	83/034*	E=100X
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15076	H	S	C	000	07	83	019	04	20	G	83/034*	NO COMMENTS
NULL	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1773	L	S	D	000	00	83	022	00	33	G	83/025*	B=40
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1774	L	L	D	000	30	83	022	00	59	G	83/025*	B=120
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1775	L	L	D	001	40	83	022	01	25	G	83/025*	B=255
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWP	1776	L	L	D	000	01	83	022	01	55	G	/	* E=50X,B=45
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWP	1776	L	S	D	000	01	83	022	01	56	G	/	* E=50X,B=45
NULL	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1777	L	S	C	000	01	83	022	02	03	G	83/025*	B=10
NULL	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1778	L	S	C	000	00	83	022	02	28	G	83/025*	B=38
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1779	L	S	C	000	30	83	022	02	57	G	83/025*	B=120
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWP	1780	L	S	C	001	40	83	022	03	24	G	83/025*	B=255
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15120	L	S	C	000	07	83	027	02	27	G	83/039*	E=10X,B=85
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWR	15120	L	S	C	000	01	83	027	02	29	G	83/039*	E=10X,B=85
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15121	H	S	C	000	07	83	027	02	52	G	83/039*	E=50X,B=120
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	LWR	15121	H	S	C	000	16	83	027	02	54	G	83/039*	E=50X,B=120
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	LWR	15122	H	S	C	000	07	83	027	03	21	G	83/039*	B=120
TFLOOD	PHCAL	.	.	.	.	.	.	0.0	.	.	99	SWP	19091	L	S	C	000	05	83	027	03	58	G	83/039*	E=10X,B=100
WAVCAL	PHCAL	.	.	.	.	.	.	0.0	.	.	98	SWP	19091	L	S	C	000	02	83	027	03	59	G	83/039*	E=10X,B=100

OBJECT ID	PRG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN SC	MIN SE							YR DAY	HR MN	YR/DAY					
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19092	H S C	000 05	83 027 04 25	G 83/039*	E=50X, B=135				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 SWP 19092	H S C	002 00	83 027 04 27	G 83/040*	E=50, B=135				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 SWP 19093	H S C	000 05	83 027 04 55	G 83/039*	B=103				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 LWP 1781	L S C	000 25	83 027 05 06	G 83/039*	E=10X, C=100				
WAVECAL	PHCAL	.	.	.	.	.	.	.	.	98 LWP 1781	L S C	000 01	83 027 05 08	G 83/039*	E=10X, B=100				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 LWP 1782	H S C	000 25	83 027 05 44	G 83/039*	E=50X, B=108				
WAVECAL	PHCAL	.	.	.	.	.	.	.	.	98 LWP 1782	H S C	000 16	83 027 05 45	G 83/039*	E=50X, B=108				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 LWP 1783	H S C	000 25	83 027 06 28	G 83/039*	B=105				
NULL IMG	PHCAL	.	.	.	.	.	.	.	.	99 LWR 15123	L S C	000 00	83 027 07 29	G 83/027*	B=18				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWR 15209	L S C	000 07	83 038 22 24	G 83/049*	E=20X, B=95				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWR 15209	L S C	000 01	83 038 22 26	G 83/049*	E=20X, B=95				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWR 15210	H S C	000 07	83 038 22 49	G 83/049*	E=50X, B=147				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWR 15210	H S C	000 16	83 038 22 51	G 83/049*	E=50X, B=147				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWR 15211	H S C	000 07	83 038 23 19	G 83/049*	B=145				
SAF READ	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1791	H S C	000 00	83 038 23 44	G 83/045*	B=17				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19220	L S C	000 05	83 039 00 14	G 83/049*	E=20X, B=104				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 SWP 19220	L S C	000 02	83 039 00 16	G 83/049*	E=20X, B=104				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19221	H S C	000 05	83 039 00 45	G 83/049*	NO COMMENTS				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 SWP 19221	H S C	002 00	83 039 00 47	G 83/049*	NO COMMENTS				
T-FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19222	H S C	000 05	83 039 01 57	G 83/049*	B=110				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1792	L S C	000 25	83 039 02 27	G 83/049*	E=20X, B=100				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWP 1792	L S C	000 01	83 039 02 29	G 83/049*	E=20X, B=100				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1793	H S C	000 25	83 039 02 57	G 83/049*	E=50X, B=114				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWP 1793	H S C	000 16	83 039 02 58	G 83/049*	E=50X, B=114				
T-FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1794	H S C	000 25	83 039 03 48	G 83/049*	B=108				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWR 15396	L S C	000 07	83 059 21 28	G 83/062*	E=10X, B=85				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWR 15396	L S C	000 01	83 059 21 30	G 83/062*	E=10X, B=85				
TFLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWR 15397	H S C	000 07	83 059 21 58	G 83/062*	E=50X, B=115				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWR 15397	H S C	000 16	83 059 22 00	G 83/062*	E=50X, B=115				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 LWR 15398	H S C	000 07	83 059 22 29	G 83/062*	B=115				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19356	L S C	000 05	83 059 23 09	G 83/062*	E=10X, B=105				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 SWP 19356	L S C	000 02	83 059 23 11	G 83/062*	E=10X, B=105				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 SWP 19357	H S C	000 05	83 060 00 13	G 83/062*	E=50X, B=120				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 SWP 19357	H S C	002 00	83 060 00 14	G 83/062*	E=50, B=120				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 SWP 19358	H S C	000 05	83 060 00 46	G 83/062*	B=100				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1814	L S C	000 25	83 060 00 57	G 83/061*	E=10X, B=100				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWP 1814	L S C	000 01	83 060 00 59	G 83/061*	E=10X, B=100				
T FLOOD	PHCAL	.	.	.	.	0.0	.	.	.	99 LWP 1815	H S C	000 25	83 060 01 30	G 83/061*	E=50X, B=105				
WAVCAL	PHCAL	.	.	.	.	0.0	.	.	.	98 LWP 1815	H S C	000 16	83 060 01 32	G 83/061*	E=50X, B=105				
TFLOOD	PHCAL	.	.	.	.	.	.	.	.	99 LWP 1816	H S C	000 25	83 060 02 14	G 83/061*	B=100				



OBJECT ID	PRG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	EXPOSE TIME MIN SE YR	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN SEC	RA DEG MN SC	DEC DEG MN SC								DAY	HR	MN			
NULL	PHCAL	.	.	.	0.0			99 LWR 15431	L S C	000 00 83	065 11 55	G 83/066*	NO COMMENTS				
TFLOOD	PHCAL	.	.	.	0.0			99 LWP 1828	L S C	000 25 83	066 19 34	G 83/068*	E=10X, B=100				
WAVCAL	PHCAL	.	.	.	0.0			98 LWP 1828	L S C	000 01 83	066 19 35	G 83/068*	E=10X, B=100				
TFLOOD	PHCAL	.	.	.	0.0			99 LWP 1829	H S C	000 25 83	066 20 03	G 83/068*	E=50X, B=110				
WAVCAL	PHCAL	.	.	.	0.0			98 LWP 1829	H S C	000 16 83	066 20 05	G 83/068*	E=50X, B=110				
T-FLOOD	PHCAL	.	.	.	0.0			99 LWP 1830	H S C	000 25 83	066 20 47	G 83/081*	B=105				
TFLOOD	PHCAL	.	.	.	0.0			99 SWP 19415	L S C	000 05 83	066 21 21	G 83/075*	E=10X, B=102				
WAVCAL	PHCAL	.	.	.	0.0			98 SWP 19415	L S C	000 02 83	066 21 23	G 83/075*	E=10X, B=102				
TFLOOD	PHCAL	.	.	.	0.0			99 SWP 19416	H S C	000 05 83	066 21 46	G 83/075*	E=50X, B=130				
WAVCAL	PHCAL	.	.	.	0.0			98 SWP 19416	H S C	002 00 83	066 21 48	G 83/075*	E=50X, B=130				
TFLOOD	PHCAL	.	.	.				99 SWP 19417	H	000 05 83	066 22 16	G / *	B=107				
TFLOOD	PHCAL	.	.	.	0.0			99 LWR 15442	L S C	000 07 83	066 22 28	G 83/075*	E=10X, B=85				
WAVCAL	PHCAL	.	.	.	0.0			98 LWR 15442	L S C	000 01 83	066 22 29	G 83/075*	E=10X, B=85				
TFLOOD	PHCAL	.	.	.	0.0			99 LWR 15443	H S C	000 07 83	066 22 52	G 83/075*	E=50X, B=145				
WAVCAL	PHCAL	.	.	.	0.0			98 LWR 15443	H S C	000 16 83	066 22 54	G 83/075*	E=50X, B=145				
TFLOOD	PHCAL	.	.	.				99 LWR 15444	L S C	000 07 83	066 23 22	83/075*	B=138				
NULL	PHCAL	.	.	.	0.0			99 LWR 15511	L	000 00 83	076 11 39	G 83/077*	B=25				
TFLOOD	PHCAL	.	.	.	0.0			99 LWR 15534	L S C	000 07 83	080 19 03	G 83/094*	E=10X, B=90				
WAVCAL	PHCAL	.	.	.	0.0			98 LWR 15534	L S C	000 01 83	080 19 05	G 83/094*	E=10X, B=90				
TFLOOD	PHCAL	.	.	.	0.0			99 LWR 15535	H S C	000 07 83	080 19 29	G 83/094*	E=50X, B=125				
WAVCAL	PHCAL	.	.	.	0.0			98 LWR 15535	H S C	000 16 83	080 19 38	G 83/094*	E=50X, B=125				
TFLOOD	PHCAL	.	.	.	0.0			99 LWR 15536	H S C	000 07 83	080 20 09	G 83/094*	B=130				
TFLOOD	PHCAL	.	.	.	0.0			99 SWP 19506	L S C	000 05 83	080 20 53	G 83/094*	E=15X, B=100				
WAVCAL	PHCAL	.	.	.	0.0			98 SWP 19506	L S C	000 02 83	080 20 54	G 83/094*	E=15X, B=100				
TFLOOD	PHCAL	.	.	.	0.0			99 SWP 19507	H S C	000 05 83	080 21 18	G 83/094*	E=50X, B=132				
WAVCAL	PHCAL	.	.	.	0.0			98 SWP 19507	H S C	002 00 83	080 21 19	G 83/094*	E=50, B=132				
TFLOOD	PHCAL	.	.	.	0.0			99 SWP 19508	H S C	000 05 83	080 21 48	G 83/094*	B=115				
TFLOOD	PHCAL	.	.	.	0.0			99 LWP 1834	L S C	000 25 83	080 22 13	G 83/094*	E=20X, B=95				
WAVCAL	PHCAL	.	.	.	0.0			98 LWP 1834	L S C	000 01 83	080 22 15	G 83/094*	E=20, B=95				
TFLOOD	PHCAL	.	.	.	0.0			99 LWP 1835	H S C	000 25 83	080 22 42	G 83/094*	B=115				
WAVCAL	PHCAL	.	.	.	0.0			98 LWP 1835	H S C	000 16 83	080 22 44	G 83/094*	B=115				
TFLOOD	PHCAL	.	.	.	0.0			99 LWP 1836	H S C	000 25 83	080 23 27	G 83/094*	B=107				
TFLOOD	PHCAL	.	.	.				99 SWP 19521	L L D	000 01 83	082 17 45	G 83/083*	C=145, B=28				
TFLOOD	QSEAD	.	.	.				99 LWP 1753	L M	000 25 82	364 01 21	G 82/364*	C=160, B=105				
NULL	QSERH	.	.	.				99 SWP 17258	L	000 00 82	170 06 02	G 82/172	B=15				
NULL	QSERH	.	.	.				99 SWP 17267	L	000 00 82	171 06 01	G 82/172	E=20, C=16, B=10				
NULL	QSERH	.	.	.				99 SWP 17268	L	000 00 82	171 06 36	G 82/172	B=18				
NULL	QSERH	.	.	.				99 SWP 17279	L L D	000 00 82	173 06 29	G 82/173	B=15				
TFLOOD	RSETA	.	.	.				99 SWP 18780	H S C	000 05 82	346 07 41	G 82/348*	E=50X, B=125				
WAVCAL	RSETA	.	.	.				98 SWP 18780	H S C	002 00 82	346 07 42	G 82/348*	E=50X, B=125				

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R	EXP TMIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS	
		HR	MN	SEC								RA DEG MN SC	DEC DEG MN SC	YR				DAY
TFLOOD	RSETA	.	.	.	.	.	.	99 SWP	18787	H S C	000 05	82	347	07	35	G 82/348*	E=50X,B=125	
WAVCAL	RSETA	.	.	.	.	.	.	98 SWP	18787	H S C	002 00	82	347	07	37	G 82/348*	E=50X,B=125	
TFLOOD	RSETA	.	.	.	.	.	.	99 SWP	18793	H S C	000 05	82	348	06	57	G 82/348*	E=50X,B=130	
WAVCAL	RSETA	.	.	.	.	.	.	98 SWP	18793	H S C	002 00	82	348	06	58	G 82/348*	E=50X,B=130	
TFLOOD	RSETA	.	.	.	.	.	.	99 SWP	18800	H S C	000 05	82	349	07	18	G 82/349*	E=50X,B=120	
WAVCAL	RSETA	.	.	.	.	.	.	98 SWP	18800	H S C	002 00	82	349	07	18	G 82/349*	E=50X,B=120	
TFLOOD	RSETA	.	.	.	.	.	.	99 SWP	18804	H S C	000 05	82	350	07	23	G 82/350*	E=50X,B=110	
WAVCAL	RSETA	.	.	.	.	.	.	98 SWP	18804	H S C	002 00	82	350	07	24	G 82/350*	E=50X,B=110	
TFLOOD	RSETA	.	.	.	.	.	.	99 SWP	18811	H S C	000 05	82	351	06	41	G 82/351*	E=50X,B=110	
WAVCAL	RSETA	.	.	.	.	.	.	98 SWP	18811	H S C	002 00	82	351	06	42	G 82/351*	E=50X,B=110	
NULL	SPEJC	.	.	.	.	.	.	99 SWP	17437	L	000 00	82	197	18	20	G 82/221	NO COMMENTS	
NULL	SPEJC	.	.	.	.	.	.	99 SWP	17437	L	000 00	82	197	18	22	G 82/221	NO COMMENTS	
TFLOOD	WDFEB	.	.	.	.	.	.	99 SWP	16893	H L O	000 00	82	125	15	11	G 82/126	C=17,B=17	
TFLOOD	WDFEB	.	.	.	.	.	.	99 SWP	16894	H L O	000 10	82	125	15	36	G 82/126	B=205	
HD	225094	NSEJR	00 00	50.0	+63 21 46	6.2	B3	IB	24 LWR	14750	L L O	000 20	82	333	08 54	G 82/334*	C=30%X,B=30	
HD	225094	NSEJR	00 00	50.0	+63 21 46	6.2	B3	IB	24 SWP	18687	L L O	000 30	82	333	08 59	G 82/334*	C=120,B=20	
HD	225094	NSEJR	00 00	50.0	+63 21 46	6.2	B3	IB	24 LWR	14751	H L O	020 00	82	333	09 54	G 82/334*	C=240,B=45	
HD	225094	NSEJR	00 00	50.0	+63 21 46	6.2	B3	IB	24 SWP	18688	H L O	060 00	82	333	10 22	G 82/335*	C=215,B=42	
HD	225094	NSEJR	00 00	50.0	+63 21 46	6.2	B3	IB	24 LWR	14752	H L O	020 00	82	333	11 26	G 82/335*	C=240,B=35	
LTT11	HEEGW	00 00	57.9	-17 00 47	14.7	B	WD	29 SWP	19005	L L O	240 00	83	015	17 00	G 83/017*	C=85,B=50		
LTT11	HEEGW	00 00	58.0	-17 00 48	14.7	B	WD	29 LWR	15057	L L O	135 00	83	015	21 08	G 83/017*	C=200,B=39		
HD	225132	EHEEJ	00 01	10.7	-17 36 50	4.56	EO.03	B9	IV	22 SWP	17213	L T O	000 08	82	165	14 46	G 82/166	C=115,B=35
HD	225132	EHEEJ	00 01	10.7	-17 36 50	4.56	EO.03	B9	IV	22 SWP	17214	L T O	000 16	82	165	15 30	G 82/166	C=170,B=30
HD	225132	EHEEJ	00 01	10.7	-17 36 50	4.56	EO.03	B9	IV	22 SWP	17215	L T O	000 05	82	165	16 03	G 82/166	C=85,B=20
HD	225132	EHEEJ	00 01	10.7	-17 36 50	4.56	EO.03	B9	IV	22 SWP	17216	L T O	000 22	82	165	16 37	G 82/166	C=215,B=23
HD	225132	EHEEJ	00 01	10.7	-17 36 51	4.56	EO.03	B9	IV	22 SWP	17223	L T O	000 21	82	166	15 28	G 82/166	C=210,B=25
HD	225132	EHEEJ	00 01	10.7	-17 36 51	4.56	EO.03	B9	IV	22 LWR	13499	L T O	000 11	82	166	16 02	G 82/167	C=210,B=30
HD	225132	EHEEJ	00 01	10.7	-17 36 51	4.56	EO.03	B9	IV	22 SWP	17224	L T O	000 07	82	166	16 33	G 82/167	C=105,B=20
HD	225132	EHEEJ	00 01	10.7	-17 36 51	4.56	EO.03	B9	IV	22 LWR	13500	L T O	000 12	82	166	17 24	G 82/167	C=205,B=32
GD408	HEEGW	00 02	28.0	+72 56 24	14.3	B	WD	29 SWP	19006	L L O	160 00	83	016	00 12	G 83/017*	C=140,B=42		
GD408	HEEGW	00 02	28.0	+72 56 24	14.3	B	WD	29 LWR	15058	L L O	100 00	83	016	02 58	G 83/017*	C=210,B=40		
Q	0003+158	QSEAG	00 03	25.0	+15 53 07	16.4		85 SWP	18342	L L O	240 00	82	293	23 32	G 82/294*	E=188,C=85,B=55		
Q	0003+158	QSEAG	00 03	25.0	+15 53 07	16.4		85 LWR	14452	L L O	135 00	82	294	03 34	G 82/294*	E=110,C=133,B=66		
MARK	335	EE231	00 03	45.0	+19 55 00	13.8		84 SWP	18462	L L O	45 00	82	307	13 13	V /	* 351		
MARK	335	EE231	00 03	45.0	+19 55 00	13.8		84 LWR	14554	L L O	140 00	82	307	14 04	V /	* 664 REF PT=-35,-208		
MARK	335	EE231	00 03	45.0	+19 55 00	13.8		84 SWP	18463	L L O	40 00	82	307	16 37	V /	* 351		
MARK	335	EE231	00 03	45.0	+19 55 00	13.8		84 LWR	14555	L L O	100 00	82	307	17 23	V /	* 554 4-MIN-HTR		
MARK	335	EE231	00 03	45.0	+19 55 00	13.8		84 SWP	18464	L L O	30 00	82	307	19 14	V /	* 351 REF PT=3,-208		
HD	166	CSEMG	00 04	00.7	+28 44 44	6.1		KO	V	46 LWR	13805	H L O	011 00	82	211	16 37	G 82/214	E=135,C=135,B=70
HD	166	CSEMG	00 04	00.7	+28 44 44	6.1		KO	V	46 LWR	14642	H L O	025 00	82	320	09 00	G 82/320*	E=162,C=145,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD	166 CSEMG	00 04 00.7	+28 44 44	6.1		KO V	46 SWP	18567	L L 0	120 00	82 320 09 50	G	82/320*	E=150,C=160,B=105
HD	166 CSEMG	00 04 00.7	+28 44 38	6.1		KO V	46 LWR	14649	H L 0	050 00	82 321 03 43	G	82/321*	E=181,C=145,B=57
HD	166 CSEMG	00 04 00.7	+28 44 38	6.1		KO V	46 LWR	14664	H L 0	050 00	82 323 03 36	G	82/323*	E=212,C=145,B=34
HD	166 CSEMG	00 04 01.5	+28 44 37	6.1		KO V	46 LWR	13815	H L 0	050 00	82 212 09 55	G	82/215	E=186,C=140,B=40
HD	166 CSEMG	00 04 01.5	+28 44 37	6.1		KO V	46 LWR	14663	H L 0	100 00	82 322 20 18	G	82/323*	E=2X,C=225,B=35
HD	166 CSEMG	00 04 01.5	+28 44 37	6.1		KO V	46 SWP	18596	L L 0	330 00	82 322 22 02	G	82/323*	E=160,C=200,B=72
HD	166 CSEMG	00 04 01.7	+28 44 38	6.1		KO V	46 LWR	14654	H L 0	065 00	82 321 10 40	G	82/321*	E=238,C=180,B=50
HD	483 LGETS	00 06 44.9	+17 15 27	7.2		G2 III	45 SWP	17288	L L 0	240 00	82 174 08 43	G	82/174	E=81,C=150,B=53
IIIZW2	EE217	00 07 57.0	+10 42 00	15.0			84 SWP	16957	L L 0	120 00	82 134 02 37	V	/	231
0014+81	EE159	00 14 05.0	+81 19 00	16.5			85 SWP	18728	L L 0	418 00	82 338 10 49	V	/	* 002
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 SWP	17704	L T 0	005 00	82 228 05 34	G	82/228	C=200,B=27
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 LWR	13962	L T 0	003 00	82 228 05 52	G	82/229	C=210,B=26
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 LWR	13962	L S 0	001 00	82 228 06 05	G	82/229	C=150,B=26
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 SWP	17704	L S 0	060 00	82 228 06 09	G	82/229	C=90,B=27
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 SWP	17705	H L 0	155 00	82 228 06 42	G	82/229	C=195,C=2X,B=90
HD	1486 CBEDL	00 16 33.0	+58 51 30	7.2		B9 V	33 LWR	14770	H L 0	040 00	82 336 18 41	G	82/337*	C=180,B=40
HD	1486 EI164	00 16 33.0	+58 52 00	7.9			65 SWP	18285	H L 0	75 00	82 287 17 03	V	/	* 501
PI TUC	GHEST	00 18 20.6	-69 54 08	5.50	E-.00	B9	22 LWP	1754	H T 0	001 30	83 003 04 06	G	83/004*	C=100,B=60
PI TUC	GHEST	00 18 20.6	-69 54 08	5.50		B9	22 LWP	1759	H T 0	006 00	83 004 23 00	G	83/007*	C=137,B=50
47 TUC	EA170	00 21 54.	-72 21	10.3			16 SWP	16855	L L 0	16 00	82 119 07 29	V	/	* 402
47 TUC	EA170	00 21 54.0	-72 21 00	10.3			16 LWR	13101	L L 0	16 00	82 119 06 39	V	/	502
47 TUC	EA170	00 21 54.0	-72 21 00	10.3			16 SWP	16855	L L 0	16 00	82 119 07 29	V	/	402
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	13730	H L 0	7 00	82 201 23 02	V	/	* 602 MN=196
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	13731	H L 0	15 00	82 201 23 47	V	/	* 702 MN=272
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	13732	H L 0	15 00	82 202 00 27	V	/	* 702 MN=226
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	13733	H L 0	15 00	82 202 01 07	V	/	* 702 MN=299
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	13734	H L 0	15 00	82 202 01 51	V	/	* 702 MN=239
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	14929	H L 0	15 00	82 361 10 33	V	/	* 752 NO 4-MIN-HTR MN=
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	14930	H L 0	15 00	82 361 11 13	V	/	* 752 NO 4-MIN-HTR MN=
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	14931	H L 0	15 00	82 361 11 56	V	/	* 752 NO 4-MIN-HTR MN=
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	14932	H L 0	15 00	82 361 12 35	V	/	* 752 NO 4-MIN-HTR MN=
HD 2151	EC004	00 23 09.0	-77 32 00	2.8			44 LWR	14933	H L 0	15 00	82 361 13 15	V	/	* 752 NO 4-MIN-HTR MN=
HD	2453 APEWW	00 25 50.0	+32 09 42	6.7		AO V	36 LWR	14521	H L 0	040 00	82 303 09 03	G	82/305*	C=215,B=73
HD	2453 APEWW	00 25 50.0	+32 09 42	6.7		AO V	36 SWP	18431	H L 0	035 00	82 303 09 47	G	82/305*	C=180,B=115
PG	0027+260 CVEHB	00 27 27.8	+26 00 52	14.8			63 SWP	19036	L L 0	050 00	83 019 16 46	G	83/020*	E=61,C=40,B=20
HD	2665 EC067	00 27 58.0	+56 47 00	7.6			45 SWP	18871	L L 0	75 00	82 357 10 23	V	/	* 201
HD	2665 EC067	00 27 58.0	+56 47 00	7.6			45 LWR	14879	L S 0	12 00	82 357 11 42	V	/	* 402
HD	2665 EC067	00 27 58.0	+56 47 00	7.6			45 LWR	14879	L L 0	15 00	82 357 11 59	V	/	* 602
LB	1559 EA035	00 29 18.0	-47 41 00	99.9			* 28 LWR	14143	L L 0	8 00	82 253 21 24	V	/	* 502 4-MIN-HTR
LB	1559 EA035	00 29 18.0	-47 41 00	99.9			* 28 SWP	17913	L L 0	8 00	82 253 21 45	V	/	* 500





	OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
			HR	MN	SEC	DEG							MN	SC	MIN	SE			
	0048-737	EM210	00 48 49.0	-73 44 00	11.1					21 SWP	16707	L L O	10 00	82 097	06 16	V /	500		
	0048-737	EM210	00 48 49.0	-73 44 00	11.1					21 LWR	12973	L L O	8 00	82 097	06 29	V /	602	4-MIN-HTR-WM-UP	
HD	5015	OD82B	00 50 04.3	+60 51 01	4.80		F8	IV		41 LWR	14970	H L O	025 00	82 365	08 42	G 83/006*	E=93,C=255,B=32		
HD	5015	OD82B	00 50 04.3	+60 51 01	4.80		F8	IV		41 SWP	18916	L L O	035 00	82 365	09 12	G 83/006*	C=220,B=20		
	AV 118	MLFPC	00 50 35.0	-72 24 53	13.1	- .11	BO			23 LWR	15470	L L O	023 00	83 070	21 29	G 83/074*	C=185,B=35		
	AV 118	MLFPC	00 50 35.0	-72 24 53	13.1	- .11	BO			23 SWP	19445	L L O	030 00	83 070	21 56	G 83/074*	C=187,B=23		
	AV 126	EM129	00 50 46.0	-72 56 00	13.5					23 LWR	14947	L L O	60 00	82 363	11 38	V /	* 501		
	AV 126	EM129	00 50 46.0	-72 56 00	13.5					23 SWP	18908	L L O	100 00	82 363	12 42	V /	* 501		
PG	0050-333	WDECB	00 50 54.0	-33 16	0.0			05	WD	37 SWP	17013	L M O	018 00	82 141	20 10	G 82/144	C=220,B=32		
PG	0050-333	WDECB	00 50 54.0	-33 16	0.0			05	WD	37 LWR	13289	L L O	018 00	82 141	20 47	G 82/144	C=200,B=33		
PG	0050-333	WDECB	00 50 54.0	-33 16	0.0			05	WD	37 SWP	18289	H L O	400 00	82 287	23 20	G 82/288*	C=200,B=99		
	1 ZW 1	QFEBW	00 50 57.8	+12 25 19	14.0					84 LWR	14626	L L O	160 00	82 318	21 07	G 82/319*	E=229,C=175,B=45		
	1 ZW 1	QFEBW	00 50 57.8	+12 25 19	14.0					84 SWP	18557	L L O	200 00	82 319	00 00	G 82/319*	E=222,C=108,B=55		
PG	0052+252	XQERG	00 52 11.1	+25 09 24	15.5			A		85 SWP	19224	L L O	250 00	83 039	16 00	G 83/040*	E=4X,C=125,B=65		
PG	0052+252	XQERG	00 52 11.1	+25 09 24	15.5			A		85 LWR	15214	L L O	095 00	83 039	20 13	G 83/040*	C=148,B=74		
	0052-730	EM210	00 52 20.0	-73 02 00	12.3					22 LWR	12963	L L O	40 00	82 096	03 50	V /	603	4-MIN-HTR-WM-UP	
	0052-730	EM210	00 52 20.0	-73 02 00	12.3					22 SWP	16698	L L O	50 00	82 096	04 35	V /	500		
	S 18/SMC	HLESS	00 52 23.9	-72 58 00	12.8				09 IA	13 SWP	19371	L L O	075 00	83 061	19 35	G 83/062*	E=209,C=70,B=35		
HD	5394	EA080	00 53 40.0	+60 27 00	2.6					20 SWP	16694	H S O	11 82	095 06 36	V /	501			
HD	5394	EA080	00 53 40.0	+60 27 00	2.6					26 SWP	16913	H L O	11 82	127 04 12	V /	501			
HD	5394	EA080	00 53 40.0	+60 27 00	2.6					26 SWP	17093	H L O	6 82	152 22 47	V /	501			
HD	5394	EA080	00 53 40.0	+60 27 00	2.6					20 SWP	17588	H S O	11 82	216 21 43	V /	* 501			
HD	5394	EA087	00 53 40.0	+60 27 00	2.6					26 SWP	17935	H L O	8 82	255 17 12	V /	* 501			
HD	5394	EA087	00 53 40.0	+60 27 00	2.6					20 SWP	17967	H L O	8 82	258 18 26	V /	* 501			
HD	5394	EIO87	00 53 40.0	+60 27 00	2.2					20 SWP	18188	H L O	8 82	275 18 05	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					* 20 SWP	17859	H L O	8 82	249 18 11	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					* 20 SWP	17900	H L O	8 82	252 18 31	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.9					20 SWP	18011	H L O	8 82	261 17 23	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					20 SWP	18051	H L O	8 82	264 17 21	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					20 SWP	18097	H L O	8 82	267 18 56	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					20 SWP	18136	H L O	8 82	270 18 23	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.6					20 SWP	18164	H L O	8 82	273 18 38	V /	* 501			
HD	5394	EI273	00 53 40.0	+60 27 00	2.0					26 SWP	18258	H L O	8 82	284 14 56	V /	* 501			
HD	5394	MLECW	00 53 40.2	+60 26 46	2.6			BO	IV	20 SWP	18278	H L O	000 08	82 287 09 47	G 82/287*	C=240,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17878	H L O	000 08	82 251 12 44	G 82/252	C=220,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17881	H L O	000 08	82 251 14 59	G 82/252	C=220,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17916	H L O	000 08	82 254 08 14	G 82/256	C=225,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17921	H L O	000 08	82 254 11 41	G 82/256	C=235,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17951	H L O	000 08	82 257 10 02	G 82/258	C=230,B=40			
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6			BO	IV	20 SWP	17974	H L O	000 08	82 259 08 13	G 82/259	C=230,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	17978	H L O	000 08	82 259 11 06	G	82/259	C=240,B=39
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	17979	H L O	000 08	82 259 11 40	G	82/259	C=240,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18034	H L O	000 08	82 263 09 35	G	82/264	C=235,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18127	H L O	000 08	82 270 10 39	G	82/271	C=235,B=37
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18182	H L O	000 08	82 275 12 29	G	82/277	C=230,B=38
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18206	H L O	000 08	82 278 07 39	G	82/278	C=225,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18231	H L O	000 08	82 280 11 35	G	82/285	C=239,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18249	H L O	000 08	82 284 06 44	G	82/286	C=220,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18277	H L O	000 08	82 287 09 21	G	82/287*	C=240,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18319	H L O	000 08	82 291 09 39	G	82/292*	C=240,B=40
HD	5394	MLECW	00 53 40.3	+60 26 47	2.6	BO IV	20 SWP	18345	H L O	000 08	82 294 07 41	G	82/294*	C=220,B=40
HD	5394	MLECW	00 53 40.8	+60 26 47	2.6	B3 III	20 SWP	18072	H L O	000 08	82 266 09 04	G	82/266	C=230,B=41
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 LWR	14643	L L O	7 82	320 12 29	V	/	* 602 4-MIN-HTR
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 LWR	14643	L S O	7 82	320 12 31	V	/	* 402 4-MIN-HTR
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 SWP	18568	L L O	9 82	320 12 34	V	/	* 500
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 SWP	18568	L S O	30 82	320 12 37	V	/	* 500
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 LWR	14644	H L O	5 00 82	320 13 07	V	/	* 502 4-MIN-HTR
HD	5448	EA115	00 53 58.0	+38 14 00	4.0		30 SWP	18569	H L O	10 00 82	320 13 35	V	/	* 500
SK265-69	IEFBS	00 54 12.0	-69 18 30	11.9		B3 IA	24 LWR	15593	L L O	016 40	83 086 20 26	G	83/087*	C=160,B=28
B 29	HSEPH	00 54 19.2	-72 45 40	13.4		B5 II	24 LWR	15050	L L O	060 00	83 014 20 00	G	83/017*	C=120,B=30
B 29	HSEPH	00 54 19.2	-72 45 40	13.4		B5 II	24 SWP	18999	L L O	100 00	83 014 21 05	G	83/017*	C=140,B=32
B30	HSEPH	00 54 22.9	-72 45 25	14.2		B3 V	21 SWP	18998	L L O	103 00	83 014 17 28	G	83/017*	C=140,B=25
B30	HSEPH	00 54 22.9	-72 45 25	14.2		B3 V	21 LWR	15051	L L O	040 00	83 014 22 56	G	83/017*	C=120,B=36
B30	HSEPH	00 54 22.9	-72 45 25	14.2		B3 V	21 SWP	19000	L L O	080 00	83 014 23 40	G	83/017*	C=120,B=42
B32	HSEPH	00 54 23.0	-72 45 37	14.9		B2 V	20 LWR	15052	L L O	090 00	83 015 01 10	G	83/017*	C=160,B=39
B32	HSEPH	00 54 23.0	-72 45 37	14.9		B2 V	20 LWR	15052	L S O	090 00	83 015 01 11	G	83/017*	C=80,B=39
B32NGC33	HSEPH	00 54 23.0	-72 45 37	14.0			20 SWP	19001	L L O	120 00	83 015 02 43	G	83/017*	C=170,B=74
B37	HSEPH	00 54 33.0	-72 46 01	13.3		B5 IB	24 LWR	13395	L L O	020 00	82 154 14 57	G	82/155	C=185,B=95
B37	HSEPH	00 54 33.0	-72 46 01	13.3		B5 IB	24 SWP	17109	L L O	015 00	82 154 15 28	G	82/155	B=190,B=160
NGC	330	EGEJC	00 54 37.0	-72 43 34	11.7	A0	83 SWP	17207	L L O	030 00	82 164 15 53	G	82/165	C=155,B=32
NGC	330	EGEJC	00 54 37.0	-72 43 33	11.7	A0	83 LWR	13493	L L O	030 00	82 164 16 30	G	82/165	C=190,B=44
A02	HSEPH	00 54 38.0	-72 45 12	12.9		B5 II	24 LWR	15054	L L O	080 00	83 015 04 49	G	83/017*	C=1.2X,B=51
A02	HSEPH	00 54 38.0	-72 45 12	12.9		B5 II	24 SWP	19003	L L O	085 00	83 015 06 11	G	83/017*	C=110,B=35
NGC	330	EGEJC	00 54 54.0	-72 43 36	11.7	A0	83 SWP	19392	L L O	045 00	83 063 23 24	G	83/066*	C=210,B=100
NGC	330	EGEJC	00 54 54.0	-72 43 36	11.7	A0	83 LWR	15426	L L O	045 00	83 064 00 15	G	83/066*	C=1.5X,B=159
MRK	352	QSEAB	00 57 08.8	+31 33 30	14.8		84 SWP	17961	L L O	170 00	82 258 03 14	G	82/258	E=106,C=66,B=38
MRK	352	QSEAB	00 57 09.1	+31 33 27	14.8		84 LWR	14180	L L O	120 00	82 258 00 33	G	82/258	E=128,C=118,B=42
MRK	352	QSEAB	00 57 09.1	+31 33 27	14.8		84 SWP	17996	L L O	284 00	82 261 00 16	G	82/263	E=164,C=100,B=80
SK	76	EM129	00 57 16.0	-72 48 00	12.8		23 LWR	14949	L L O	20 00	82 363 16 39	V	/	* 501
SK	76	EM129	00 57 16.0	-72 48 00	12.8		23 SWP	18910	L L O	40 00	82 363 17 10	V	/	* 501





OBJECT ID	PROG ID	TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	RA SEC								DEG MN SC	DEC MN SC	YR			
RX AND	EI215	01	01 46.0	+41 02 00	11.0						20 00	82 228 19 44	V /	*	550	
RX AND	EI215	01	01 46.0	+41 02 00	11.0						15 00	82 228 20 19	V /	*	503	4-MIN-HTR-WM-UP
RX AND	CVEFC	01	01 46.2	+41 01 55	13.5						045 00	82 217 09 13	G 82/217		E=147,C=125,B=40	
RX AND	CVEFC	01	01 46.2	+41 01 55	13.5						040 00	82 217 10 02	G 82/217		E=246,C=180,B=45	
RX AND	CVEFC	01	01 46.3	+41 01 55	13.5						045 00	82 221 15 47	G 82/222		E=250,C=255,B=55	
RX AND	CVEFC	01	01 46.3	+41 01 55	13.5						050 00	82 221 16 38	G 82/222		E=173,C=120,B=55	
RX AND	CVEFC	01	01 46.3	+41 01 55	13.5						010 00	82 221 17 35	G 82/222		E=173,C=75,B=55	
AZZ 393	EI213	01	04 22.0	-72 35 00	11.5						16 00	82 264 22 50	V /	*	703	4-MIN-HTR
AZZ 393	EI273	01	04 22.0	-72 36 00	11.5						10 00	82 266 18 38	V /	*	502	4-MIN-HTR
AZZ 393	EI273	01	04 22.0	-72 36 00	11.5						15 00	82 266 18 59	V /	*	401	
AV 398	EM129	01	04 35.0	-72 12 00	13.8						110 00	82 364 11 00	V /	*	505	HIGH BKG (XSPREP
AV 398	EM129	01	04 35.0	-72 12 00	13.8						220 00	82 364 12 53	V /	*	401	
UMCS 86	QSEWS	01	05 45.8	+06 07 27	17.2						240 00	83 051 15 01	G 83/054*		C=110,B=58	
SB 459	EA035	01	06 05.0	-32 59 00	99.9						8 00	82 253 22 49	V /	*	502	4-MIN-HTR, MN=80
SB 459	EA035	01	06 05.0	-32 59 00	12.1						8 00	82 259 23 09	V /	*	500	
SB 460	EA035	01	06 13.0	-27 09 00	12.6						25 00	82 259 21 11	V /	*	502	4-MIN-HTR
SB 460	EA035	01	06 13.0	-27 09 00	12.6						42 00	82 259 21 42	V /	*	500	
NGC 416	GLOBC	01	06 38.0	-72 37 00	11.4						408 00	82 101 02 58	V /		304	
HD 6903	EC275	01	07 08.0	+19 23 00	5.5						30 00	82 188 23 10	V /	*	332	
HD 6903	EC275	01	07 08.0	+19 23 00	5.5						4 00	82 188 23 43	V /	*	303	
HD 6903	LGETS	01	07 08.5	+19 23 32	5.5	GO III	45	LWR 13543	H L D	0 025 00	82 173 14 30	G 82/173		E=113,C=140,B=50		
HD 6903	LGETS	01	07 08.5	+19 23 32	5.5	GO III	45	SWP 17281	L L D	0 045 00	82 173 14 59	G 82/173		E=115,C=180,B=82		
HD 6903	LGETS	01	07 08.5	+19 23 32	5.5	GO III	45	SWP 18762	L L D	0 075 00	82 343 06 27	G 82/343*		E=127,C=250,B=40		
HD 6980	EC268	01	07 21.0	-46 32 00	9.7						75 00	82 285 15 02	V /	*	503	4-MIN-HTR
HD 6980	EC268	01	07 21.0	-46 32 00	9.7						70 00	82 285 16 46	V /	*	704	4-MIN-HTR
HD 6980	EC268	01	07 21.0	-46 32 00	9.7						50 00	82 285 18 26	V /	*	703	4-MIN-HTR
HD 6980	EC268	01	07 21.0	-46 32 00	9.7						39 00	82 285 19 46	V /	*	703	4-MIN-HTR
HD 6980	EC268	01	07 21.0	-46 32 00	9.7						40 00	82 285 20 58	V /	*	702	4-MIN-HTR
AV 437	MLFPC	01	07 22.5	-73 30 40	13.5	-.07					030 00	83 070 19 55	G 83/074*		C=150,B=32	
AV 437	MLFPC	01	07 22.5	-73 30 40	13.4	-.07	BO				035 00	83 070 20 30	G 83/074*		C=163,B=25	
SMC N81	NDERD	01	07 30.0	-73 27 56	0.2						080 00	82 190 16 22	G 82/193		E=198,C=225,B=180	
SMC N81	NDERD	01	07 30.0	-73 27 56	0.2						100 00	82 190 18 01	G 82/193		C=175,B=135	
SMC N81	NDERD	01	07 30.0	-73 27 56	0.2						020 00	82 190 19 19	G 82/193		NO COMMENTS	
SMC N81	NDERD	01	07 44.3	-73 27 55	0.2						255 00	83 052 15 13	G 83/054*			
SMC N81	NDERD	01	07 44.3	-73 27 54	0.2						200 00	83 052 19 42	G 83/054*		C=165,B=240	
HD 6961	STAND	01	08 03.0	+54 53 00	4.5						20 82	332 19 42	V /	*	500	
O109-38	EE258	01	09 10.0	-38 21 00	14.4						375 00	82 296 15 31	V /	*	232	
SK 142	EM129	01	09 17.0	-72 59 00	13.7						25 00	82 363 14 42	V /	*	401	
SK 142	EM129	01	09 17.0	-72 59 00	13.7						60 00	82 363 15 16	V /	*	501	
SB 485	EA011	01	09 45.0	-26 29 00	13.2						13 00	82 257 22 30	V /	*	500	

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		HR MN	SEC	DEG MN SC								YR	DAY	HR MN			
HD	SB 485	EAO11	01	09 45.0	-26 29 00	13.2		28 LWR 14179	L L 0	15 00	82 257 22 47	V / *	403 4-MIN-HTR				
HD	7374	BPEJJ	01	11 28.0	+15 52 10	5.8	B8 III	27 LWR 15021	H S 0	012 00	83 009 02 37	G 83/009*	C=200,B=32				
HD	7374	BPEJJ	01	11 28.0	+15 52 10	5.8	B8 III	27 SWP 18971	H S 0	020 00	83 009 02 54	G 83/010*	C=220,B=37				
HD	7374	BPEJJ	01	11 28.0	+15 52 10	5.8	B8 III	27 LWR 15022	H S 0	012 00	83 009 03 28	G 83/010*	C=210,B=32				
HD	7374	BPEJJ	01	11 28.0	+15 52 10	5.8	B8 III	27 SWP 18972	H S 0	022 00	83 009 03 58	G 83/010*	C=215,B=40				
PG	O112+104	HEEES	01	12 00.0	+10 25 14	14.7	EO.00 DB	29 SWP 17403	L L 0	060 00	82 192 09 27	G 82/193	C=110,B=22				
PG	O112+104	HEEES	01	12 00.0	+10 25 14	14.7	EO.00 DB	29 LWR 13655	L L 0	040 00	82 192 10 30	G 82/193	C=95,B=32				
PG	O112+104	HEEES	01	12 00.0	+10 25 14	14.7	EO.00 DB	29 SWP 17404	L L 0	035 00	82 192 11 15	G 82/193	C=70,B=28				
	PGO112+1	HEEES	01	12 00.1	+10 25 15	14.7	B WD	29 SWP 18510	L L 0	080 00	82 313 10 09	G 82/313*	C=445,B=22				
	SMC N83A	NDERD	01	12 23.3	-73 33 53	0.0		72 SWP 18194	L L 0	020 00	82 276 11 38	G 82/277	C=150,B=115				
	SMC N83A	NDERD	01	12 23.3	-73 33 53	0.0		72 LWR 14325	L L 0	030 00	82 276 12 29	G 82/277	C=160,B=80				
	SMC N83A	NDERD	01	12 23.3	-73 33 53	0.0		72 SWP 18195	L L 0	045 00	82 276 13 04	G 82/277*	E=125,C=125,B=65				
	HD 7570	EC052	01	12 56.0	-45 48 00	4.9		41 SWP 17038	L L 0	80 00	82 145 04 37	V /	701				
	SMC N83A	NDERD	01	13 17.5	-73 33 47	0.0		72 SWP 18193	L L 0	100 00	82 276 08 35	G 82/277	C=2-5X,B=75				
	SMC N83A	NDERD	01	13 17.5	-73 33 47	0.0		72 LWR 14324	L L 0	050 00	82 276 10 21	G 82/277	C=240,B=90				
HD	SK155	OD90B	01	13 27.0	-73 36 01	12.5	09 IA	13 SWP 18831	L M 0	045 00	82 354 05 45	G 82/354*	C=210,B=25				
HD	7672	RSETS	01	14 03.8	-02 45 47	5.4	G5 III	45 LWR 13544	H L 0	015 00	82 173 16 16	G 82/173	E=168,C=95,B=40				
HD	7672	RSETS	01	14 03.8	-02 45 47	5.4	G5 III	45 SWP 17282	L L 0	045 00	82 173 16 38	G 82/174	E=163,C=145,B=86				
HD	7672	RSETS	01	14 03.8	-02 45 47	5.4	G5 III	47 SWP 17290	L L 0	060 00	82 174 16 16	G 82/175	E=138,C=120,B=40				
	UV PSC	EC206	01	14 18.0	+06 33 00	9.2		44 LWR 13608	L L 0	25 00	82 186 02 01	V / *	502				
	SK 159	EHEBS	01	14 37.9	-73 36 59	11.9	EO.10 B0 IB	23 SWP 19370	H L 0	432 00	83 061 11 37	G 83/062*	C=200,B=90				
	O116-289	EI215	01	16 26.0	-28 51 00	99.9		64 SWP 17679	L L 0	88 00	82 226 00 19	V / *	111				
HD	7927	VVETS	01	16 55.1	+57 58 10	5.0	FO WD	40 SWP 18896	L L 0	015 00	82 361 08 19	G 82/362*	C=100,B=25				
HD	7927	VVETS	01	16 55.1	+57 58 10	5.0	FO WD	40 SWP 18930	L L 0	050 00	83 002 00 20	G 83/004*	B=106				
HD	7927	VVETS	01	16 55.1	+57 58 10	5.0	FO WD	40 LWR 14977	L L 0	001 00	83 002 00 42	G 83/004*	C=145,B=32				
HD	7927	VVETS	01	16 55.1	+57 58 10	5.0	FO WD	40 LWR 14977	L S 0	006 00	83 002 00 46	G 83/004*	C=1.5X,B=32				
Q	O119-013	EHEEJ	01	19 26.0	-01 18 04	15.2	B1 V	85 SWP 17219	L L 0	387 00	82 166 00 24	G 82/166	E=139,C=106,B=73				
Q	O119-013	EHEEJ	01	19 26.0	-01 18 04	15.2	B1 V	85 SWP 17220	L L 0	340 00	82 166 07 17	G 82/166	E=142,C=110,B=86				
	O119-013	EE234	01	19 27.0	-01 18 00	15.2		85 SWP 17219	L L 0	387 00	82 166 00 24	V / *	346 READ AT GSFC				
	MK 357	EGEJH	01	19 56.6	+22 54 30	15.4		88 SWP 18199	L L 0	385 00	82 276 23 27	G 82/277	E=141,C=160,B=100				
F9	EE255	01	21 51.0	-59 04 00	13.2		84 LWR 14585	L L 0	50 00	82 312 13 04	V / *	442 4-MIN-HTR					
F9	EE255	01	21 51.0	-59 04 00	13.2		84 SWP 18506	L L 0	50 00	82 312 13 57	V / *	361					
	O122-591	EE278	01	21 51.0	-59 04 00	13.5		84 LWR 13123	L L 0	50 00	82 121 05 10	V /	453 4-MIN-HTR-WM-UP				
	O122-591	EE278	01	21 51.0	-59 04 00	13.5		84 SWP 16890	L L 0	90 00	82 125 05 35	V /	571				
	ESD113	EE278	01	21 51.0	-59 04 00	13.0		84 LWR 13514	L L 0	60 00	82 168 23 23	V /	343 4-MIN-HTR-WM-UP				
	ESD113	EE278	01	21 51.0	-59 04 00	13.0		84 SWP 17249	L L 0	70 00	82 169 00 27	V /	360				
	E113IG45	EE278	01	21 51.0	-59 04 00	13.5		84 LWR 13801	L L 0	90 00	82 211 01 09	V / *	553				
	E113IG45	EE278	01	21 51.0	-59 04 00	13.5		84 SWP 17521	L L 0	60 00	82 211 02 43	V / *	631				
	FAIRALL9	QSEMG	01	21 51.0	-59 03 53	13.2		84 SWP 18094	L L 0	040 00	82 267 14 04	G 82/267	E=1.1X,C=145,B=105				
	FAIRALL9	QSEMG	01	21 51.1	-59 03 58	13.2		84 LWR 14334	L L 0	016 00	82 277 12 43	G 82/278	E=109,C=100,B=40				

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FAIRALL9	QSEMG	01 21 51.1	-59 03 58	13.2			84	SWP 18202	L L O	040 00	82 277 13 07	G 82/277	E=132,C=80,B=37	
FAIRALL9	QSEMG	01 21 51.1	-59 03 58	13.2			84	SWP 18242	L L O	040 00	82 281 14 41	G 82/285	E=233,C=69,B=21	
FAIRALL9	QSEMG	01 21 51.1	-59 03 58	13.2			84	SWP 18382	L L O	045 00	82 297 11 20	G 82/299*	E=255,C=110,B=60	
FAIRALL9	QSESG	01 21 51.2	-59 03 58	13.2			84	SWP 17446	L L O	135 00	82 200 08 28	G 82/200	E=1.2X,C=115,B=55	
FAIRALL9	QSESG	01 21 51.2	-59 03 58	13.2			84	LWR 13714	L L O	105 00	82 200 10 50	G 82/200	E=230,C=220,B=125	
FAIRALL9	QSESG	01 21 51.2	-59 03 58	13.2			84	SWP 18891	L M O	135 00	82 359 22 17	G 82/361*	E=1.3X,C=126,B=82	
FAIRALL9	QSESG	01 21 51.2	-59 03 58	13.2			84	LWR 14908	L M O	070 00	82 360 00 39	G 82/361*	E=161,C=120,B=75	
TY PSC	CVEPS	01 22 50.4	+32 07 35	14.0			54	LWR 14681	L L O	060 00	82 324 23 50	G 82/326*	C=65,B=35	
TY PSC	CVEPS	01 22 50.4	+32 07 35	14.0			54	SWP 18613	L L O	140 00	82 325 00 55	G 82/326*	E=176,C=65,B=35	
HD 8799	EC081	01 24 39.0	+45 09 00	4.8			41	LWR 13425	H L O	25 00	82 157 05 12	V /	633	
HD 9250	EC201	01 29 18.0	+63 20 00	7.2			45	LWR 13836	L L O	15 00	82 213 22 29	V /	* 301 MN=505	
HD 9250	EC201	01 29 18.0	+63 20 00	7.2			45	SWP 17557	L L O	60 00	82 213 23 12	V /	* 101	
OM33-2.2	NSEWB	01 30 07.9	+30 23 49	0.0			75	SWP 17345	L L O	410 00	82 184 04 53	G 82/187	B=90	
MA1	HLEPM	01 30 14.0	+29 56 00	16.4	ED. 2		11	SWP 19144	L L O	285 00	83 030 17 05	G 83/031*	C=140,B=85	
MA1	HLEPM	01 30 14.0	+29 56 00	16.4	ED. 2		11	LWR 15155	L L O	113 00	83 030 21 53	G 83/031*	C=120,B=65	
OM33-512	NSEWB	01 30 39.8	+30 25 05	0.0			72	LWR 15303	L L O	070 00	83 047 20 21	G 83/048*	B=120	
HS 171	HLEPM	01 30 44.7	+30 26 11	17.1		WN IA	11	SWP 18472	L L O	360 00	82 308 21 48	G 82/309*	C=120,B=65	
WR4-595	HLEPM	01 30 45.5	+30 26 12	17.1		WN IA	11	LWR 15173	L L O	180 00	83 034 18 48	G 83/035*	C=110,B=46	
NGC 598	SD611	01 31 02.0	+30 24 00	13.0			80	LWP 1584	L L O	369 00	82 171 23 32	V /	403	
OM33-2.9	NSEWB	01 31 04.9	+30 17 49	0.0			75	SWP 19271	L L O	295 00	83 047 15 03	G 83/048*	C=140,B=100	
OOOIC142	NSEWB	01 31 05.9	+30 30 02	0.0			72	LWR 13516	L L O	060 00	82 169 13 01	G 82/169	C=180,B=98	
OOOIC142	NSEWB	01 31 05.9	+30 30 02	0.0			72	LWR 13517	L L O	060 00	82 169 14 30	G 82/169	C=220,B=145	
OOOIC142	NSEWB	01 31 05.9	+30 30 01	0.0			72	SWP 17252	L L O	030 00	82 169 15 37	G 82/169	C=180,B=145	
OM33-511	NSEWB	01 31 17.5	+30 32 06	0.0			72	LWR 13595	L L O	120 00	82 184 12 00	G 82/187	C=1.5X,B=165	
M33VAR83	EAO07	01 31 22.0	+30 19 00	14.3			53	SWP 18247	L L O	380 12	82 283 15 21	V /	* 202	
M33 V83	EAO07	01 31 22.0	+30 19 00	14.3			53	LWP 1718	L L O	365 00	82 315 13 28	V /	* 402	
M33-2.14	NSEWB	01 31 30.0	+30 18 20	0.0			75	SWP 17251	L L O	360 00	82 169 06 46	G 82/169	C=155,B=112	
WR11-604	HLEPM	01 31 43.2	+30 31 48	15.8		WN IA	11	SWP 18449	L L O	200 00	82 305 22 36	G 82/306*	E=194,C=235,B=44	
WR11-604	HLEPM	01 31 43.2	+30 31 48	15.8		WN IA	11	LWR 14545	L L O	107 00	82 306 01 59	G 82/306*	C=190,B=50	
WR13-604	HLEPM	01 31 44.2	+30 31 47	16.0		WN IA	11	SWP 19154	L L O	300 00	83 031 15 46	G 83/032*	C=150,B=68	
WR13-604	HLEPM	01 31 44.2	+30 31 47	16.0		WN IA	11	LWR 15158	L L O	135 00	83 031 20 49	G 83/032*	C=140,B=70	
WR11-604	HLEPM	01 31 44.4	+30 31 41	15.8		WN IA	11	SWP 19181	L L O	255 00	83 034 14 23	G 83/035*	C=3X,B=52	
HD 9826	LDEDS	01 33 51.1	+41 09 22	4.1		F8 V	41	LWR 13590	H L O	020 00	82 183 15 54	G 82/187	E=185,C=2X,B=100	
HD 9826	LDEDS	01 33 51.1	+41 09 22	4.1		F8 V	41	SWP 18651	L L O	060 00	82 328 23 12	G 82/333*	E=124,C=5X,B=21	
KT PER	CVEFC	01 34 01.4	+50 42 05	15.3			54	SWP 17616	L L O	105 00	82 219 07 08	G 82/221	C=53,B=26	
KT PER	CVEFC	01 34 01.4	+50 42 05	15.3			54	LWR 13884	L L O	035 00	82 219 08 56	G 82/221	C=60,B=27	
KT PER	E1215	01 34 02.0	+50 42 00	11.0			54	SWP 17712	L L O	15 00	82 228 18 30	V /	* 400	
KT PER	E1215	01 34 02.0	+50 42 00	11.0			54	LWR 13968	L L O	20 00	82 228 18 57	V /	* 4034-MIN-HTR-WM-UP,M	
OOO0M1-I	NPELA	01 34 12.9	+50 12 57	14.1			70	SWP 17571	L L O	070 00	82 215 10 52	G 82/216	E=222,C=100,B=80	
OOO0M1-I	NPELA	01 34 12.9	+50 12 57	14.1			70	LWR 13850	L L O	080 00	82 215 12 06	G 82/216	E=210,C=145,B=90	

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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
Q	0134+329	QSEAG	01 34 49.8	+32 54 20	16.2			85 LWR 14436	L L 0	130 00	82 291 23 20	G	82/292*	C=90,B=40
Q	0134+329	QSEAG	01 34 49.8	+32 54 20	16.2			85 SWP 18328	L L 0	260 00	82 292 01 33	G	82/292*	E=143,C=130,B=106
HD	9927	HCETA	01 34 54.6	+48 22 33	3.6	K3 III		39 SWP 18933	L L 0	030 00	83 002 06 19	G	83/007*	B=105
HD	9996	APEWW	01 35 30.0	+45 08 46	6.3		AO V	36 LWR 14522	H L 0	022 00	82 303 11 02	G	82/306*	C=250,B=57
HD	9996	APEWW	01 35 30.0	+45 08 46	6.3		AO V	36 SWP 18432	H L 0	023 00	82 303 11 29	G	82/306*	C=145,B=43
HD	9996	APEWW	01 35 30.0	+45 08 46	6.3		AO V	36 LWR 14526	H L 0	018 00	82 304 09 27	G	82/306*	C=240,B=67
HD	9996	APEWW	01 35 30.0	+45 08 46	6.3		AO V	36 SWP 18437	H L 0	024 00	82 304 09 55	G	82/306*	C=235,B=115
	UVCET	FSESB	01 36 26.0	-18 12 42	12.9		M5 V	48 SWP 18690	L L 0	030 00	82 334 04 58	G	82/335*	E=109,B=20
	UVCET	FSESB	01 36 26.0	-18 12 42	12.9		M5 V	48 LWR 14754	L L 0	025 00	82 334 05 36	G	82/335*	E=114,C=25,B=25
	UVCET	FSESB	01 36 26.0	-18 12 42	12.9		M5 V	48 SWP 18691	L L 0	060 00	82 334 06 06	G	82/335*	E=154,B=45
HD	10205	RPSTD	01 37 37.0	+40 19 28	4.94	EO.01 B8	IV	22 SWP 19294	L T 0	000 10	83 050 02 23	G	83/053*	C=180,B=60
HD	10205	RPSTD	01 37 37.0	+40 19 28	4.94	EO.01 B8	IV	22 LWR 15327	L T 0	000 09	83 050 02 32	G	83/053*	C=200,B=40
HD	10390	MLEPB	01 39 09.6	+34 59 39	5.4		B9 IV	22 SWP 18023	H L 0	011 00	82 262 12 57	G	82/263	C=220,B=40
	HD139-68	EE218	01 39 37.0	-68 09 00	16.1			59 LWR 13504	L L 0	90 00	82 168 03 10	V	/	233 4-MIN-HTR-WM-UP
	HD139-68	EE218	01 39 37.0	-68 09 00	16.1			59 SWP 17239	L L 0	60 00	82 168 04 45	V	/	231
HD	10516	MLERH	01 40 30.8	+50 26 16	4.0		B0 V	60 LWR 14257	H S 0	001 20	82 268 11 28	G	82/270	C=240,C=1.1X,B=44
HD	10516	MLERH	01 40 30.8	+50 26 16	4.0		B0 V	60 SWP 18104	H S 0	001 20	82 268 11 33	G	82/270	C=225,B=54
HD	10516	MLERH	01 40 30.8	+50 26 16	4.0		B0 V	60 LWR 14258	H S 0	001 00	82 268 12 24	G	82/270	C=220,B=41
HD	10516	MLERH	01 40 30.8	+50 26 16	4.0		B0 V	60 SWP 18105	H S 0	001 00	82 268 12 29	G	82/270	C=185,B=52
HD	10700	CSEMG	01 41 44.7	-16 12 01	3.5		G5 V	44 SWP 17535	L L 0	030 00	82 212 12 58	G	82/214	E=148,C=125,B=57
HD	10700	CSEMG	01 41 44.7	-16 12 01	3.5		G5 V	44 LWR 13817	H L 0	012 00	82 212 13 52	G	82/215	E=127,C=1.2X,B=30
	AR AND	CVEPS	01 42 06.8	+37 41 31	14.0			54 SWP 18877	L L 0	025 00	82 358 06 05	G	82/361*	C=200,B=50
	AR AND	CVEPS	01 42 06.8	+37 41 31	14.0			54 LWR 14885	L L 0	015 00	82 358 06 34	G	82/361*	C=150,B=40
	MKN577	QSED1	01 46 49.5	+12 15 39	14.2			84 SWP 18574	L L 0	360 00	82 320 21 18	G	82/321*	C=110,B=105
	HD 11544	EC201	01 51 35.0	+56 20 00	6.8			45 LWR 13835	L L 0	5 00	82 213 21 19	V	/	* 301 MN=545
HD	11544	EC201	01 51 35.0	+56 20 00	6.8			45 SWP 17556	L L 0	25 00	82 213 21 47	V	/	* 100
HD	11753	EA051	01 52 18.0	-42 45 00	5.1			30 LWR 14327	H L 0	8 00	82 276 16 03	V	/	* 502 4-MIN-HTR
	+37 442	EA011	01 55 28.0	+38 19 00	10.0			16 LWR 14193	H L 0	60 00	82 259 16 47	V	/	* 504 4-MIN-HTR
	M 1-2	NPEWF	01 55 32.9	+52 39 15	13.0			70 SWP 17572	L L 0	052 00	82 215 13 41	G	82/216	E=2-3X,C=125,B=125
	M 1-2	NPEWF	01 55 32.9	+52 39 15	13.0			70 LWR 15323	L L 0	090 00	83 049 14 59	G	83/053*	
	M 1-2	NPEWF	01 55 32.9	+52 39 15	13.0			70 SWP 19289	L L 0	120 00	83 049 16 35	G	83/053*	E=1X,C=55,B=40
	TT ARI	CBEPS	02 04 09.9	+15 03 27	16			63 SWP 18854	L L 0	240 00	82 356 03 06	G	82/356*	E=224,C=245,B=115
	TT ARI	CBEPS	02 04 09.9	+15 03 27	16			63 LWR 14868	L L 0	148 00	82 356 07 14	G	82/356*	E=136,C=125,B=52
Q	0205+024	QSEMS	02 05 14.5	+02 28 42	15.3			85 LWR 14813	L L 0	104 00	82 344 00 03	G	82/344*	E=106,C=110,B=38
Q	0205+024	QSEMS	02 05 14.5	+02 28 42	0.0			85 SWP 18772	L L 0	110 00	82 344 23 59	G	82/347*	E=128,C=60,B=39
HD	13267	STAND	02 07 59.0	+57 25 00	6.4			24 SWP 18887	L S 0	5 00	82 359 14 53	V	/	* 700
HD	13267	STAND	02 07 59.0	+57 25 00	6.4			24 SWP 18887	L L 0	5 33	82 359 15 04	V	/	* 600 TR 0.06"/SEC.
HD	13267	STAND	02 07 59.0	+57 25 00	6.4			24 LWR 14906	L S 0	1 00	82 359 15 20	V	/	* 502
HD	13267	STAND	02 07 59.0	+57 25 00	6.4			24 LWR 14906	L L 0	1 02	82 359 15 25	V	/	* 502 TR 0.32"/SEC
WX HYI	EI215		02 08 29.0	-63 33 00	13.0			54 SWP 17690	L L 0	60 00	82 226 22 00	V	/	* 340

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
HR	WX HYI 642	EI215 RSETA	02 08 29.0	-63 33 00	13.0			54 LWR	13952	L L O	60 00	82 226	23 06	V	/	*	453 4-MIN-HTR-WM-UP				
HR	642	RSETA	02 09 28.0	+30 04 11	5.5	G5 III	45 SWP	17412	H L O	730 00	82 193	12 07	G	82/194	E=232,C=2X,B=135						
HR	642	RSETA	02 09 28.0	+30 04 11	5.5	G5 III	45 LWR	13664	H L O	030 00	82 193	16 17	G	82/194	E=220,C=160,B=38						
HR	642	RSETA	02 09 28.0	+30 04 11	5.5	G5 III	45 LWR	13665	H L O	090 00	82 193	17 23	G	82/194	E=2.5X,C=2.5X,B=72						
TZ	PER	EIO94	02 10 19.0	+58 09 00	13.0		54 LWR	13907	L L O	60 00	82 221	18 32	V	/	*	413 4-MIN-HTR-WM-UP					
TZ	PER	EIO94	02 10 19.0	+58 09 00	13.0		54 SWP	17643	L L O	43 00	82 221	19 37	V	/	*	311					
TZ	PER	EIO94	02 10 19.0	+58 09 00	13.3		54 SWP	17654	L L O	28 00	82 223	01 18	V	/	*	310					
TZ	PER	EI215	02 10 19.0	+58 09 00	13.6		54 SWP	17663	L L O	50 00	82 223	23 45	V	/	*	311					
HD	13611	LGEEB	02 10 20.6	+08 36 46	4.4	G8	45 SWP	17576	L L O	220 00	82 216	02 37	G	82/216	C=190,B=55						
HD	13611	RNEHJ	02 10 20.6	+08 36 46	4.44	G8 III	45 LWR	15373	H L O	060 00	83 056	17 07	G	83/059*	E=150,C=1.5X,B=44						
MRK	590	QSEAB	02 12 00.3	-00 59 57	14.0		84 SWP	17450	L M O	270 00	82 201	04 57	G	82/201	E=182,C=70,B=45						
MRK	590	QSEAB	02 12 00.3	-00 59 57	14.0		84 LWR	13721	L L O	115 00	82 201	09 49	G	82/201	E=185,C=130,B=65						
HD	13841	EM236	02 13 16.0	+56 48 00	7.4		23 SWP	18512	H L O	125 00	82 313	15 12	V	/	*	501					
HD	13854	IEETS	02 13 20.9	+56 49 26	6.5	B1 IA	23 LWR	14720	L T O	001 51	82 330	07 58	G	82/333*	C=2X,B=35						
HD	13854	IEETS	02 13 20.9	+56 49 26	6.5	B1 IA	23 LWR	14720	L S O	000 18	82 330	08 13	G	82/333*	C=140,B=35						
HD	13854	IEETS	02 13 20.9	+56 49 26	6.5	B1 IA	23 SWP	18657	L T O	001 40	82 330	08 54	G	82/333*	E=115,C=165,B=52						
HD	13854	IEETS	02 13 20.9	+56 49 26	6.5	B1 IA	23 LWR	14721	L T O	003 20	82 330	09 30	G	82/333*	C=4X,B=40						
HD	13854	IEETS	02 13 20.9	+56 49 26	6.5	B1 IA	23 LWR	14721	L S O	000 27	82 330	09 44	G	82/333*	C=170,B=40						
HD	13866	EM236	02 13 27.0	+56 29 00	7.5		23 SWP	18513	H L O	112 00	82 313	17 55	V	/	*	501					
	+56 501	EMO64	02 14 58.0	+56 55 00	9.4		12 LWR	13808	L L O	14 00	82 211	21 48	V	/	*	702 MN=441					
	+56 501	EMO64	02 14 58.0	+56 55 00	9.4		12 SWP	17528	L L O	26 00	82 211	23 21	V	/	*	800					
	+56 501	EMO64	02 14 58.0	+56 55 00	9.4		12 LWR	13810	L L O	7 00	82 212	01 14	V	/	*	601 4-MIN-HTR-WM-UP					
	+56 501	EMO64	02 14 58.0	+56 55 00	9.4		12 SWP	17530	L L O	12 00	82 212	01 40	V	/	*	500					
	00 843	EMO64	02 15 16.0	+56 54 00	9.3		20 LWR	13807	L L O	8 00	82 211	20 47	V	/	*	702 4-MIN-HTR-WM-UP					
	00 843	EMO64	02 15 16.0	+56 54 00	9.3		20 SWP	17527	L L O	20 00	82 211	21 00	V	/	*	700					
	00 843	EMO64	02 15 16.0	+56 54 00	9.3		20 LWR	13812	L L O	4 00	82 212	03 32	V	/	*	502 4-MIN-HTR-WM-UP					
	00 929	EMO64	02 15 22.0	+56 56 00	10.3		20 LWR	13809	L L O	12 00	82 212	00 09	V	/	*	502 4-MIN-HTR-WM-UP					
	00 929	EMO64	02 15 22.0	+56 56 00	10.3		20 SWP	17529	L L O	30 00	82 212	00 36	V	/	*	500					
	00 936	EMO64	02 15 24.0	+56 55 00	10.3		12 LWR	13811	L L O	14 00	82 212	02 17	V	/	*	502 4-MIN-HTR-WM-UP					
	00 936	EMO64	02 15 24.0	+56 55 00	10.3		12 SWP	17531	L L O	30 00	82 212	02 43	V	/	*	500					
HD	14143	PHCAL	02 15 41.9	+56 56 21	6.7	BO	20 SWP	19408	L L O	000 13	83 066	09 33	G	83/066*	C=35,B=26						
HD	14422	EI189	02 18 17.0	+57 10 00	8.5		29 LWR	14769	L L O	8 00	82 336	17 03	V	/	*	602 4-MIN-HTR					
HD	14422	EI189	02 18 17.0	+57 10 00	8.5		29 LWR	14769	L S O	6 20	82 336	17 22	V	/	*	402 4-MIN-HTR					
HD	14443	EI189	02 18 27.0	+56 55 00	8.4		23 LWR	14767	L S O	6 00	82 336	14 05	V	/	*	702 K.BELOW2600 4M H					
HD	14443	EI189	02 18 27.0	+56 55 00	8.4		23 LWR	14767	L L O	6 00	82 336	14 15	V	/	*	802					
HD	14443	EI189	02 18 27.0	+56 55 00	8.4		23 SWP	18706	L L O	4 00	82 336	14 24	V	/	*	500					
HD	14520	EI189	02 19 11.0	+56 52 00	9.2		29 LWR	14768	L S O	28 00	82 336	15 10	V	/	*	703 OK BELOW2600 4M					
HD	14520	EI189	02 19 11.0	+56 52 00	9.2		29 LWR	14768	L L O	21 00	82 336	15 43	V	/	*	803					
HD	14520	EI189	02 19 11.0	+56 52 00	9.2		29 SWP	18707	L L O	25 00	82 336	16 09	V	/	*	800					
Q	0219+428	BLEDW	02 19 30.0	+42 48 30	15.0		87 SWP	19173	L L O	280 00	83 033	15 10	G	83/034*	C=88,B=60						

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN			
Q	0219+428	BLEDW	02 19 30.0	+42 48 30	15.0						87 LWR	15166	H L 0	115 00	83 033	19 52	G	83/034*	C=100,B=40			
	0219+428	BLEHM	02 19 30.0	+42 48 29	15.0						87 LWR	14279	L L 0	330 00	82 271	00 58	G	82/271	C=185,B=75			
	3C 66B	PS614	02 20 02.0	+42 46 00	13.0						86 SWP	18698	L L 0	355 00	82 335	11 40	V	/	* 203 CONT. BARELY VISI			
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 LWR	14722	L T 0	001 51	82 330	10 17	G	82/333*	C=2X,B=30					
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 LWR	14722	L S 0	000 14	82 330	10 26	G	82/333*	C=120,B=30					
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 SWP	18658	L T 0	000 50	82 330	10 57	G	82/333*	E=152,C=220,B=25					
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 SWP	18658	L S 0	000 50	82 330	11 10	G	82/333*	E=152,C=220,B=25					
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 LWR	14723	L T 0	005 33	82 330	11 18	G	82/333*	C=6X,B=30					
HD	14818	IEETS	02 21 43.1	+56 23 04	6.3			B2 IA	23 LWR	14723	L S 0	000 25	82 330	11 36	G	82/333*	C=6X,B=30					
	RW TRI	CVEFC	02 22 41.2	+27 52 20	12.5				63 SWP	17617	L L 0	030 00	82 219	10 07	G	82/221	E=46,C=38,B=25					
	RW TRI	CVEFC	02 22 41.2	+27 52 20	12.5				63 LWR	13887	L L 0	030 00	82 219	15 24	G	82/221	C=120,B=55					
	RW TRI	CVEFC	02 22 41.2	+27 52 20	12.5				63 SWP	17620	L L 0	020 00	82 219	16 02	G	82/221	E=74,C=55,B=55					
	RW TRI	CVEFC	02 22 41.2	+27 52 20	12.5				63 LWR	13888	L L 0	025 00	82 219	16 44	G	82/221	C=105,B=45					
	RW TRI	CVEFC	02 22 41.2	+27 52 20	12.5				63 SWP	17621	L L 0	035 00	82 219	17 14	G	82/221	E=100,C=70,B=40					
HD	15130	MLEPB	02 23 32.0	-12 30 54	4.9			B9 V	22 SWP	18007	H L 0	010 30	82 261	14 25	G	82/263	C=225,B=40					
HD	15165	QSESG	02 24 04.4	+10 20 28	6.7			A	33 SWP	17447	L M 0	007 30	82 200	19 32	G	82/201	C=165,B=21					
NGC	936	EE160	02 25 04.0	-01 23 00	10.8				80 LWR	13569	L L 0	99 00	82 180	04 04	V	/	203 4-MIN-HTR-WM-UP					
NGC	885	GHEDY	02 32 10.4	-09 00 21	13.0			B0 V	84 LWP	1698	H L 0	240 00	82 301	09 02	G	82/302*	C=115,B=115					
	0232+03	WDFEB	02 32 30.0	+03 31 00	12.3			WD	37 SWP	18216	H L 0	165 00	82 278	23 36	G	82/279	C=155,B=42					
	0232+03	WDFEB	02 32 33.5	+03 30 50	12.3			WD	37 SWP	18215	L L 0	001 40	82 278	23 06	G	82/279	C=141,B=16					
HD	16115	RNEHJ	02 32 39.6	-09 39 39	8.2			R3 III	50 LWR	14063	L L 0	020 00	82 243	06 43	G	82/244	C=140,B=25					
	A0234-52	EE225	02 36 41.0	-52 24 00	15.0				84 LWP	1582	L L 0	200 00	82 169	23 29	V	/	562					
	+61 303	EI121	02 36 41.0	+61 01 00	10.8				59 LWR	13752	L L 0	45 00	82 203	21 10	V	/	* 503					
	+61 303	EI121	02 36 41.0	+61 01 00	10.8				59 SWP	17464	L L 0	120 00	82 203	22 00	V	/	* 441					
	FORNAXPN	NAESM	02 37 44.9	-34 45 37	17.5				70 SWP	17142	L L 0	420 00	82 158	06 47	G	82/159	E=128,C=105,B=86					
	FORNAXPN	NAESM	02 37 45.1	-34 45 38	17.5				70 SWP	16783	L L 0	430 00	82 107	10 40	G	82/108	E=115,C=110,B=80					
	FORNAXPN	NAESM	02 37 45.1	-34 45 38	17.5				70 FES	1358	D 2	160 00	82 107	17 27	G	82/108						
	FORNAXPN	NAESM	02 37 45.1	-34 45 38	17.5				70 SWP	17128	L L 0	350 00	82 156	06 55	G	82/158	E=11,C=120,B=80					
	FORNAXPN	NAESM	02 37 45.1	-34 45 38	17.5				70 LWR	13417	L L 0	067 00	82 156	12 47	G	82/158	B=59					
	FORNAXPN	NAESM	02 37 45.1	-34 45 38	17.5				70 SWP	17137	L L 0	430 00	82 157	06 45	G	82/158	C=120,B=86					
HD	16627	AMEJL	02 37 57.9	+42 27 52	8.5			A1 V	35 LWR	14910	L L 0	010 00	82 360	03 16	G	82/361*	C=2X,B=30					
HD	16627	AMEJL	02 37 57.9	+42 27 52	8.5			A1 V	35 LWR	14911	L L 0	005 00	82 360	03 53	G	82/361*	C=200,B=30					
BD	+42 0596	AMEJL	02 39 00.0	+42 33 55	8.8			AO IV	30 LWR	14912	L L 0	002 50	82 360	04 29	G	82/361*	C=200,B=25					
NGC	1068	EE255	02 40 07.0	-00 13 00	99.9				84 LWR	14543	L L 0	64 00	82 305	18 28	V	/	* 30310 ARCSEC FROM NU					
NGC	1068	EE255	02 40 07.0	-00 14 00	11.0				84 LWP	1709	L L 0	23 00	82 312	18 46	V	/	* 342					
NGC	1068	EE255	02 40 07.0	-00 14 00	11.0				84 SWP	18508	L L 0	23 00	82 312	19 22	V	/	* 240					
NGC	1068	EE257	02 40 07.0	-00 13 00	11.0				84 SWP	17623	L L 0	150 00	82 219	23 16	V	/	* 201 OFFSET 12ARCSEC					
HD	16901	EC201	02 40 49.0	+44 05 00	5.4				45 LWR	13834	L L 0	4 00	82 213	20 29	V	/	* 601 MN=217					
HD	16901	EC201	02 40 49.0	+44 05 00	5.4				45 SWP	17555	L L 0	16 00	82 213	20 37	V	/	* 201					
NGC	1097	EE211	02 44 06.0	-30 28 00	11.0				80 SWP	17203	L L 0	177 00	82 164	02 50	V	/	301					

## IUE LOG SORTED BY RIGHT ASCENSION AND PROGRAM ID

PAGE 25

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS	
		HR	MIN	SEC	DEG							MIN	SEC	MIN	SEC	YR				DAY
	NGC 1097	02	44	06.0	-30	28	00		11.0					82	165	03	39	V /	304	
PG	0244+104 CVENB	02	44	54.2	+10	23	08		15.8				075	00	83	019	18	28	G 83/020*	E=48,C=45,B=26
HD	17378 VVETS	02	45	48.2	+56	52	37	A5	IA				010	00	82	313	20	14	G 82/314*	C=1.5X,B=89
HD	17378 VVETS	02	45	48.2	+56	52	37	A5	IA				005	00	82	313	20	29	G 82/314*	C=100,B=25
HD	17378 VVETS	02	45	48.3	+56	52	38	A5	WD				030	00	82	361	06	30	G 82/362*	C=110,B=80
	HD17505 EE214	02	47	15.0	+60	13	00		7.4				70	00	82	348	15	15	V /	* 504
	HD17505 EE214	02	47	15.0	+60	13	00		7.4				1	00	82	348	16	28	V /	* 400
	HD17505 EE214	02	47	15.0	+60	13	00		7.4				2	00	82	348	16	59	V /	* 400
	HD17505 EE214	02	47	15.0	+60	13	00		7.4				45	82	348	17	04	V /	* 502	
HD	17584 RPSTD	02	47	25.0	+38	06	50	4.22	E-.01 F2	III			003	50	83	074	22	07	G 83/076*	C=240,B=40
HD	17584 RPSTD	02	47	25.0	+38	06	50	4.22	E-.01 F2	III			000	42	83	074	22	27	G 83/076*	C=255,B=30
HD	17584 RPSTD	02	47	25.0	+38	06	50	4.22	E-.01 F2	III			000	32	83	079	21	27	G 83/080*	C=205,B=29
HD	17769 MLEPB	02	48	43.7	+14	52	38	5.4	B7	V			009	00	82	261	15	17	G 82/263	C=1.2X,B=45
HD	17878 CBESP	02	50	41.9	+52	33	34	1.8	A2	V			020	00	82	240	06	31	G 82/242	C=255,B=30
	RZ ARI RNEHJ	02	52	59.5	+18	07	48	5.94	M6	III			020	00	83	056	16	16	G 83/059*	E=1.2X,C=66,B=26
	BD60 594 EE214	02	53	06.0	+61	13	00		9.0				180	00	82	348	10	33	V /	* 404
	HD18352 EE214	02	55	49.0	+61	05	00		7.0				60	00	82	348	14	00	V /	* 500
	HD 18352 EM210	02	55	49.0	+61	05	00		7.0				100	00	82	097	08	06	V /	701
HD	19374 MLEPB	03	04	36.5	+17	41	18	6.1	B1	V			003	30	83	058	23	16	G 83/060*	C=150,B=33
HD	19557 RNEHJ	03	07	33.4	+57	42	52	8.1	R5	III			085	00	82	243	07	50	G 82/244	C=105,B=55
HD	19655 AMEJL	03	08	12.6	+47	51	59	8.6	FO	V			010	00	82	360	05	09	G 82/361*	C=2X,B=35
HD	19926 HCETA	03	09	47.0	+06	28	26	5.6	K3	III			005	00	83	002	07	28	G 83/007*	C=1.5X,B=27
HD	19926 HCETA	03	09	47.0	+06	28	26	5.6	K3	III			011	00	83	002	07	36	G 83/007*	C=200,B=25
HD	19926 HCETA	03	09	47.0	+06	28	26	5.6	K3	III			002	00	83	046	22	22	G 83/047*	C=180,B=27
	HD19994 EM162	03	10	13.0	-01	23	00	5.1					50	00	82	204	00	33	V /	* 500
	TW HOR EC152	03	11	17.0	-57	30	00	5.6					75	00	82	362	15	06	V /	* 335 1ST EXP LAP
	TW HOR EC152	03	11	17.0	-57	30	00	5.6					78	00	82	362	16	25	V /	* 335 2ND EXP LAP
HD	20135 AMEJL	03	12	32.4	+47	50	38	8.1	A3	V			004	00	82	198	12	49	G 82/200	C=190,B=25
	O312-770 UK427	03	12	56.0	-77	03	00	15.9					425	00	82	113	02	41	V /	343
HD	20315 MLEPB	03	14	24.9	+43	50	34	5.5	B8	IV			008	00	82	262	13	38	G 82/263	C=205,B=40
	NGC 1275 EE255	03	16	30.0	+41	20	00	13.2					150	00	82	297	15	16	V /	* 344 4-MIN-HTR
	NGC 1275 EE255	03	16	30.0	+41	20	00	13.2					232	00	82	297	17	52	V /	* 241
	NGC 1275 EE255	03	16	30.0	+41	20	00	13.5					142	00	82	298	19	23	V /	* 331
	NGC 1275 EE255	03	16	30.0	+41	20	00	13.6					145	00	82	305	13	24	V /	* 331
	NGC 1275 EE255	03	16	30.0	+41	20	00	13.5					210	00	82	310	12	57	V /	* 342
	NGC 1313 EE208	03	17	39.0	-66	41	00	99.9					417	00	82	190	20	45	V /	* 309
	NGC 1313 EE208	03	17	39.0	-66	41	00	99.9					387	00	82	190	21	02	V /	* 203 SERENDIPITY
HD	20794 CCEKH	03	18	04.7	-43	15	11	4.3	G5	V			035	00	82	102	20	07	G 82/103	E=110,C=90,B=32
HD	20794 CCEKH	03	18	04.7	-43	15	11	4.3	G5	V			030	00	82	104	22	03	G 82/105	C=1.5X,B=54
HD	20794 CCEKH	03	18	04.7	-43	15	11	4.3	G5	V			035	00	82	104	22	39	G 82/105	C=112,B=62

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S	A P	L R	P P	EXPOSE TIME MIN	OBSERVATION DATE	ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	NN	SEC	DEG														
HD	20794	CCEKH	03	18 04.7	-43 15 11	4.3		G5 V	44	SWP	16838	L	L	O	035 00	82 116 19 42	G 82/117	E=52,C=80,B=32	
HD	20794	CCEKH	03	18 04.7	-43 15 11	4.3		G5 V	44	LWR	13085	H	L	O	030 00	82 116 20 23	G 82/117	E=147,C=1.1X,B=35	
HD	20794	LDEKH	03	18 04.7	-43 15 11	4.3		G5 V	44	LWR	13912	H	L	O	030 00	82 222 12 01	G 82/223	E=138,C=1.5X,B=50	
HD	20794	LDEKH	03	18 04.7	-43 15 11	4.3		G5 V	44	SWP	17876	L	L	O	035 00	82 251 09 24	G 82/251	C=195,B=135	
HD	20794	CCEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17564	L	L	O	030 00	82 214 15 09	G 82/216	E=118,C=120,B=90	
HD	20794	CCEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13843	H	L	O	030 00	82 214 15 47	G 82/216	E=222,C=1.5,B=85	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13195	H	L	O	025 00	82 127 22 56	G 82/130	E=166,C=1.2X,B=65	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	16924	L	L	O	025 00	82 127 23 25	G 82/130	E=103,C=80,B=28	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13210	H	L	O	030 00	82 129 13 26	G 82/131	E=136,B=38	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	16940	L	L	O	035 00	82 129 14 02	G 82/131	E=90,C=85,B=22	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	16955	L	L	O	035 00	82 133 22 36	G 82/134	E=122,C=95,B=36	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13240	H	L	O	030 00	82 133 23 16	G 82/134	E=146,C=1.5X,B=35	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13266	H	L	O	030 00	82 138 21 45	G 82/139	E=166,C=2X,B=38	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	16986	L	L	O	035 00	82 138 22 20	G 82/139	C=95,B=27	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5	44	SWP	16986	L	S	O	035 00	82 138 22 22	G 82/139	C=95,B=27	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13274	H	L	O	030 00	82 139 17 54	G 82/140	E=167,C=1.5X,B=50	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	16994	L	L	O	035 00	82 139 18 28	G 82/140	C=100,B=48	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13283	H	L	O	030 00	82 140 20 30	G 82/141	E=192,C=2X,B=59	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17005	L	L	O	035 00	82 140 21 05	G 82/141	C=120,B=68	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13911	H	L	O	018 53	82 222 10 49	G 82/223	E=99,C=200,B=38	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17647	L	L	O	035 00	82 222 11 21	G 82/223	C=100,B=42	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17647	L	S	O	035 00	82 222 11 22	G 82/223	C=100,B=42	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13944	H	L	O	030 00	82 226 10 15	G 82/228	E=194,C=1.5X,B=77	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17681	L	L	O	035 00	82 226 10 49	G 82/228	C=155,B=105	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13955	H	L	O	030 00	82 227 10 45	G 82/228	E=200,C=1.5X,B=90	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17694	L	L	O	035 00	82 227 11 19	G 82/228	C=180,B=112	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	13985	H	L	O	030 00	82 232 10 50	G 82/232	E=152,C=1.3X,B=32	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17723	L	L	O	035 00	82 232 11 25	G 82/232	E=97,C=85,B=32	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17723	L	S	O	035 00	82 232 11 26	G 82/232	B=32	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17817	L	L	O	035 00	82 243 10 32	G 82/244	E=106,C=125,B=75	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	SWP	17817	L	S	O	035 00	82 243 10 33	G 82/244	E=106,C=125,B=75	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	14065	H	L	O	030 00	82 243 11 11	G 82/244	E=175,C=1.5X,B=65	
HD	20794	LDEKH	03	18 04.8	-43 15 12	4.3		G5 V	44	LWR	14121	H	L	O	030 00	82 251 08 49	G 82/251	E=210,C=1.5X,B=90	
Q	0318-196	OD73B	03	18 05.5	-19 37 18	14.9			85	LWR	13498	L	L	O	300 00	82 165 06 52	G 82/166	C=105,B=57	
Q	0318-196	OD73B	03	18 05.5	-19 37 18	14.9			85	SWP	17212	L	L	O	120 00	82 165 11 58	G 82/166	C=150,B=121	
HR	1016	LGEEB	03	19 12.8	-23 48 48	5.5		G5 II	45	SWP	17559	L	L	O	225 00	82 214 02 33	G 82/214	C=105,B=55	
HD	20809	MLEPB	03	19 39.9	+49 02 10	5.3		B4 V	21	SWP	18026	H	L	O	003 45	82 262 14 54	G 82/263	C=180,B=35	
HD	20919	AMEJL	03	20 45.6	+49 02 42	9.0		F1 V	35	LWR	13695	L	L	O	014 00	82 198 14 17	G 82/200	C=1X,B=35	
HD	21082	AMEJL	03	22 38.7	+48 02 51	8.5		A7 V	35	LWR	13694	L	L	O	006 00	82 198 13 32	G 82/200	C=205,B=25	
HD	21291	STAND	03	25 00.0	+59 46 00	4.2			25	SWP	18888	L	L	O	6 00	82 359 16 33	V /	* 800	



	OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME	OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
			HR	MN	SEC	DEG	MN	SC								YR	DAY	HR			
	HD 21291	STAND	03 25 00.0	+59 46 00	4.2						25 LWR	14907	L S 0	2 00	82 359	16 42	V / *	802			
	HD 21291	STAND	03 25 00.0	+59 46 00	4.2						25 LWR	14907	L L 0	2 34	82 359	16 48	V / *	802 TR 0.13"/SEC			
HD	21362	MLEPB	03 25 16.5	+49 40 36	5.6				B7 V		22 SWP	18027	H L 0	006 15	82 262	15 28	G 82/264	C=175,B=35			
HD	21527	AMEJL	03 26 46.0	+48 19 44	8.8				A8 V		35 LWR	13696	L L 0	008 00	82 198	15 04	G 82/200	C=200,B=33			
GK	PER CVECW	03 27 47.5	+43 44 04	13.1					A2 V		55 LWR	14377	L L 0	230 00	82 283	22 41	G 82/284	E=205,C=135,B=47			
GK	PER CVECW	03 27 47.6	+43 44 04	13.1					A2 V		55 SWP	18226	L L 0	428 00	82 279	22 42	G 82/285	E=115.C=102,B=70			
GK	PER AB588	03 27 48.0	+43 44 00	13.3							55 LWR	14335	L L 0	409 00	82 277	14 54	V / *	498 4-MIN-HTR			
HD	21619	AMEJL	03 27 53.7	+49 43 57	8.8				A3 V		30 LWR	14914	L L 0	007 00	82 360	05 49	G 82/361*	C=210,B=35			
HD	22001	ECO52	03 28 30.0	-63 07 00	4.7						41 SWP	17034	L L 0	2 20	82 145	01 33	V /	500			
HD	21699	HEFSS	03 28 35.9	+47 51 16	5.5				B5 V		21 SWP	19435	L T 0	000 10	83 069	19 34	G 83/073*	C=130,B=25			
HD	21699	HEFSS	03 28 35.9	+47 51 16	5.5				B5 V		21 LWR	15460	L T 0	000 08	83 069	19 42	G 83/073*	C=165,B=25			
HD	21699	HEFSS	03 28 35.9	+47 51 16	5.5				B5 V		23 SWP	19439	L L 0	000 05	83 070	00 18	G 83/073*	C=195,B=25			
HD	21699	HEFSS	03 28 35.9	+47 51 16	5.5				B5 V		23 LWR	15464	L L 0	000 03	83 070	01 29	G 83/073*	C=200,B=27			
HD	21985	CBEDL	03 30 00.0	-03 28 30	8.3				A3 V		33 LWR	13963	L L 0	004 00	82 228	10 51	G 82/229	C=230,B=32			
HD	21985	CBEDL	03 30 00.0	-03 28 30	8.3				A3 V		33 LWR	13963	L S 0	003 00	82 228	11 01	G 82/229	C=105,B=32			
HD	21985	CBEDL	03 30 00.0	-03 28 30	8.3				A3 V		33 SWP	17707	L L 0	030 00	82 228	11 09	G 82/229	C=3-4X,B=90			
SAO	130564	CSEMG	03 30 32.2	-09 37 33	3.7				K2 V		46 SWP	17534	L L 0	060 00	82 212	11 10	G 82/214	E=2X,C=130,B=68			
SAO	130564	CSEMG	03 30 32.2	-09 37 33	3.7				K2 V		46 LWR	13816	H L 0	005 40	82 212	12 20	G 82/215	E=180,C=95,B=28			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 LWR	14650	H L 0	006 00	82 321	05 28	G 82/321*	E=135,C=90,B=29			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 SWP	18575	L L 0	060 00	82 321	05 40	G 82/321*	E=146,C=120,B=75			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 LWR	14651	H L 0	018 00	82 321	06 46	G 82/321*	E=2X,C=195,B=50			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 LWR	14665	H L 0	018 00	82 323	07 25	G 82/323*	E=2X,C=200,B=32			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 SWP	18598	L L 0	060 00	82 323	07 52	G 82/323*	E=239,C=130,B=73			
SAO	130564	CSEMG	03 30 32.3	-09 37 35	3.7				K2 V		46 LWR	14666	H L 0	006 00	82 323	08 58	G 82/323*	E=152,C=100,B=28			
SAO	130564	CSEMG	03 30 32.4	-09 37 35	3.7				K2 V		46 LWR	14659	H L 0	006 00	82 322	06 04	G 82/322*	E=201,C=110,B=29			
SAO	130564	CSEMG	03 30 32.4	-09 37 35	3.7				K2 V		46 SWP	18583	L L 0	060 00	82 322	06 15	G 82/322*	E=112,C=115,B=50			
SAO	130564	CSEMG	03 30 32.4	-09 37 35	3.7				K2 V		46 LWR	14660	H L 0	018 00	82 322	07 20	G 82/322*	E=228,C=220,B=40			
SAO	130564	CSEMG	03 30 32.4	-09 37 35	3.7				K2 V		46 SWP	18597	L L 0	120 00	82 323	05 19	G 82/323*	E=2X,C=160,B=60			
SAO	130564	CSEMG	03 30 34.4	-09 37 35	3.7				K2 V		46 LWR	13795	H L 0	005 40	82 210	12 48	G 82/211	E=212,C=115,B=40			
SAO	130564	CSEMG	03 30 34.4	-09 37 35	3.7				K2 V		46 SWP	17515	L L 0	020 00	82 210	13 05	G 82/211	E=189,C=145,B=115			
SAO	130564	CSEMG	03 30 34.4	-09 37 35	3.7				K2 V		46 LWR	13802	H L 0	005 40	82 211	11 48	G 82/214	E=201,C=105,B=32			
SAO	130564	CSEMG	03 30 34.4	-09 37 35	3.7				K2 V		46 SWP	17523	L L 0	040 00	82 211	11 58	G 82/214	E=1.5X,C=180,B=140			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7				K2 V		46 LWR	14597	H L 0	006 00	82 314	10 45	G 82/314*	E=160,C=100,B=25			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7				K2 V		46 SWP	18523	L L 0	040 00	82 314	11 09	G 82/314*	E=151,C=75,B=30			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7						46 LWR	14606	H L 0	006 00	82 316	04 38	G 82/316*	E=176,C=105,B=26			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7						46 SWP	18535	L L 0	060 00	82 316	04 48	G 82/316*	E=203,C=95,B=35			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7						46 SWP	18552	L L 0	040 00	82 318	10 47	G 82/320*	E=161,C=90,B=40			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7						46 LWR	14623	H L 0	006 00	82 318	11 33	G 82/319*	E=174,C=105,B=26			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7				K2 V		46 SWP	18566	L L 0	045 00	82 320	07 04	G 82/320*	E=132,C=130,B=85			
	EPS ERI	LDETS	03 30 34.4	-09 37 35	3.7				K2 V		46 LWR	14641	H L 0	006 00	82 320	07 54	G 82/320*	E=171,C=105,B=34			



OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SEC								YR	DAY	HR			
HR	1099	FSETA	03 34 13.1	+00 25 23	5.9		KO IV	46 LWR	14832	H L O	045 00	82 348	02 48	G	82/348*	E=2X,C=125,B=35				
HR	1099	FSETA	03 34 13.1	+00 25 32	5.9		KO IV	46 LWR	14837	H L O	045 00	82 348	18 57	G	82/349*	E=2X,C=110,B=30				
HR	1099	FSETA	03 34 13.1	+00 25 32	5.9		KO IV	46 SWP	18797	H L O	420 00	82 348	19 49	G	82/349*	C=162,C=115,B=72				
HR	1099	FSETA	03 34 13.1	+00 25 31	5.9		KO IV	46 LWR	14838	H L O	045 00	82 349	03 06	G	82/349*	E=2X,C=122,B=32				
HR	1099	FSETA	03 34 13.1	+00 25 31	5.9		KO IV	46 LWR	14840	H L O	045 00	82 349	19 05	G	82/350*	E=2X,C=120,B=27				
HR	1099	FSETA	03 34 13.1	+00 25 31	5.9		KO IV	46 SWP	18802	H L O	420 00	82 349	19 56	G	82/350*	E=191,C=114,B=65				
HR	1099	FSETA	03 34 13.1	+00 25 32	5.9		KO IV	46 SWP	18808	H L O	420 00	82 350	19 51	G	82/351*	E=158,C=125,B=72				
HR	1099	FSETA	03 34 13.2	+00 25 33	5.9		KO IV	46 LWR	14843	H L O	045 00	82 350	18 59	G	82/351*	E=213,C=115,B=32				
HR	1105	COETA	03 37 47.6	+63 03 24	5.14		S3	50 LWR	12944	L L O	020 00	82 094	18 01	G	82/096	E=255,C=160,B=60				
HR	1105	COETA	03 37 47.6	+63 03 24	5.14		S3	50 LWR	12944	L S O	005 00	82 094	18 27	G	82/096	E=122,C=90,B=60				
HR	1105	COETA	03 37 47.7	+63 03 25	5.1		S3	50 LWR	14926	L L O	005 00	82 361	06 13	G	82/362*	E=192,C=65,B=32				
HR	1105	COETA	03 37 47.7	+63 03 25	5.1		S3	50 LWR	14927	L L O	050 00	82 361	07 12	G	82/362*	E=161,B=52				
HR	1105	COETA	03 37 47.7	+63 03 25	5.1		S3	50 LWR	14978	H L O	065 00	83 002	01 45	G	83/006*	E=242,B=105				
HD	22649	RNEHJ	03 37 47.7	+63 03 25	5.1		S5	51 SWP	17816	L L O	020 00	82 243	09 29	G	82/244	C=50,B=45				
0000M1-4	NPELA	03 37 59.1	+52 07 26	14.0				70 LWR	13851	L L O	050 00	82 215	15 01	G	82/216	C=160,B=160				
0000M1-4	NPELA	03 37 59.1	+52 07 26	14.0				70 SWP	17573	L L O	010 00	82 215	16 07	G	82/217	C=105,B=100				
HD	22928	STAND	03 39 21.0	+47 38 00	3.0			24 SWP	18889	L L O	2	82 359	17 28	V	/	* 501 TR 10.25"/SEC				
HD	22928	IGEJS	03 39 21.1	+47 37 46	3.0		B5	24 LWR	14984	H L O	000 40	83 004	00 27	G	83/007*	C=1.2X,B=35				
HD	22928	IGEJS	03 39 21.1	+47 37 46	3.0		B5	24 SWP	18939	H L O	000 45	83 004	00 31	G	83/007*	C=230,B=40				
HD	22928	IGEJS	03 39 21.1	+47 37 46	3.0		B5	24 LWR	14985	H L O	000 32	83 004	01 05	G	83/007*	C=255,B=32				
HD	23194	AMEJL	03 41 01.3	+24 24 02	8.1		A7	35 LWR	13697	L L O	004 00	82 198	15 44	G	82/200	C=1X,B=30				
HD	23180	IGEJS	03 41 10.0	+32 07 53	3.8		B1	23 LWR	14989	H L O	000 40	83 004	04 50	G	83/007*	C=180,B=35				
HD	23180	IGEJS	03 41 10.0	+32 07 53	3.8		B1	23 SWP	18942	H L O	001 10	83 004	04 57	G	83/007*	C=180,B=33				
HD	23325	AMEJL	03 42 07.9	+24 06 29	8.6		F1	35 LWR	13698	L L O	011 00	82 198	16 18	G	82/200	C=1X,B=42				
HD	23383	MLEPB	03 43 36.2	+55 46 08	6.0		B9	22 SWP	19342	H L O	025 00	83 058	22 13	G	83/060*	C=210,B=56				
IC	351	NPELA	03 44 20.2	+34 53 35	12.4			70 SWP	17574	L L O	028 00	82 215	17 21	G	82/216	E=189,C=100,B=75				
HD	23631	AMEJL	03 44 25.9	+23 45 42	7.3		A2	35 LWR	13699	L T O	005 00	82 198	17 09	G	82/200	C=2X,B=50				
HD	23631	AMEJL	03 44 25.9	+23 45 42	7.3		A2	35 LWR	14915	L L O	001 00	82 360	06 44	G	82/361*	C=245,B=25				
NGC	1466	GLOBC	03 44 48.0	-71 50 00	11.6			83 SWP	16686	L L O	432 00	82 093	02 35	V	/	203				
HD	23763	AMEJL	03 45 31.1	+24 11 36	6.9		A2	30 LWR	14916	L L O	000 45	82 360	07 16	G	82/361*	C=200,B=25				
HD	23862	MLERH	03 46 12.3	+23 59 08	5.2		B8	60 LWR	14255	H S O	012 00	82 268	09 00	G	82/270	E=166,C=215,B=53				
HD	23862	MLERH	03 46 12.3	+23 59 08	5.2		B8	60 SWP	18102	H S O	015 00	82 268	09 16	G	82/270	C=1.2X,B=100				
HD	23862	MLERH	03 46 12.3	+23 59 08	5.2		B8	60 LWR	14256	H S O	018 00	82 268	09 49	G	82/270	E=215,C=1.5X,B=91				
HD	23862	MLERH	03 46 12.3	+23 59 08	5.2		B8	60 SWP	18103	H S O	012 00	82 268	10 20	G	82/270	C=1.2X,B=129				
HD	23863	AMEJL	03 46 13.7	+23 44 08	8.1		A8	31 LWR	14917	L L O	003 30	82 360	07 45	G	82/361*	C=220,B=30				
HD	24131	EM261	03 48 42.0	+34 13 00	5.8			20 SWP	18307	H L O	5 00	82 290	15 08	V	/	* 501				
HD	283048	HCETA	03 50 17.9	+25 35 59	10.2		05	39 SWP	19018	L L O	000 45	83 017	04 24	G	83/017*	C=56,B=25				
HD	283048	HCETA	03 50 17.9	+25 35 59	10.2		05	39 LWR	15063	L L O	001 15	83 017	04 28	G	83/017*	C=90,B=29				
HD	283048	HCETA	03 50 18.0	+25 36 00	10.2		0	39 SWP	19240	L L O	003 00	83 043	15 06	G	83/045*	C=160,B=17				
HD	24497	HCETA	03 50 58.0	-18 34 54	6.21		F2	39 LWR	15065	L L O	002 00	83 017	07 10	G	83/018*	C=190,B=27				

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
HD	24497	HCETA	03 50	58.0	-18 34	54	6.21	F2	39	LWR	15065	L S D	010 00	83 017	07 21	G	83/018*	C=2X,B=27	
HD	24497	HCETA	03 50	58.0	-18 34	54	6.21	F2	39	SWP	18021	L L D	003 00	83 017	07 35	G	83/018*	C=130,B=20	
HD	24432	IEETS	03 51	45.8	+48 53	42	6.8	B3 II	24	LWR	14731	L T O	003 00	82 331	10 41	G	82/333*	C=2X,B=25	
HD	24432	IEETS	03 51	45.8	+48 53	42	6.8	B3 II	24	LWR	14731	L S O	001 10	82 331	10 48	G	82/333*	C=120,B=25	
HD	24432	IEETS	03 51	45.8	+48 53	42	6.8	B3 II	24	SWP	18667	L T O	007 24	82 331	10 54	G	82/333*	C=75,B=25	
HD	24432	IEETS	03 51	45.8	+48 53	42	6.8	B3 II	24	LWR	14732	L L O	010 00	82 331	11 33	G	82/333*	C=6X,B=25	
HD	24504	MLEPB	03 52	21.5	+47 43	35	5.3	B6 V	22	SWP	18025	H L O	005 30	82 262	14 17	G	82/263	C=210,B=39	
HD	24546	OD82B	03 52	52.6	+50 33	08	5.3	F5 IV	41	LWR	15069	H L O	022 00	83 018	06 39	G	83/018*	C=215,B=35	
HD	24546	OD82B	03 52	52.6	+50 33	08	5.3	F5 IV	41	SWP	19027	L L O	043 00	83 018	07 06	G	83/018*	C=4X,C=29	
HD	24760	IGEJS	03 54	29.4	+39 52	03	2.9	B0 III	23	SWP	18940	H L O	000 08	83 004	02 08	G	83/007*	C=160,B=30	
HD	24760	IGEJS	03 54	29.4	+39 52	03	2.9	B0 III	23	LWR	14986	H L O	000 07	83 004	02 12	G	83/007*	C=180,B=35	
HD	24912	IGEJS	03 55	42.8	+35 38	57	4.0	08 III	13	LWR	14987	H L O	000 30	83 004	03 14	G	83/007*	C=170,B=30	
HD	24912	IGEJS	03 55	42.8	+35 38	57	4.0	08 III	13	SWP	18941	H L O	000 40	83 004	03 18	G	83/007*	C=160,B=30	
HD	24912	IGEJS	03 55	42.8	+35 38	57	4.0	08 III	13	LWR	14988	H L O	000 34	83 004	03 52	G	83/007*	C=180,B=32	
HD	24912	IGEJS	03 55	42.8	+35 38	57	4.8	B1 IB	23	LWR	14992	H L O	000 36	83 004	07 43	G	83/008*	C=170,B=34	
HD	25204	EI164	03 57	54.0	+12 21	00	3.5		21	SWP	18283	H L O	40	82 287	14 52	V	/	* 500	
HD	25340	MLEPB	03 58	59.8	-01 41	18	5.3	B5 V	21	SWP	18020	H L O	003 20	82 262	10 33	G	82/263	C=195,B=35	
HD	25354	APEWV	03 59	52.0	+37 55	02	7.9	A0 V	36	LWR	14527	H L O	055 00	82 304	10 52	G	82/306*	C=208,B=70	
HD	25487	IBEMP	04 00	48.0	+27 59	30	8.0	B8 V	39	LWR	14042	L L O	015 00	82 241	05 39	G	82/242	E=65,C=70,B=30	
HD	25487	IBEMP	04 00	48.0	+27 59	30	8.0	B8 V	39	SWP	17799	L L O	060 00	82 241	06 01	G	82/242	E=96,C=130,B=21	
HD	25487	IBEMP	04 00	48.0	+27 59	30	8.0	B8 V	39	LWR	14056	L L O	003 00	82 242	12 32	G	82/243	C=2X,B=26	
HD	25487	IBEMP	04 00	48.0	+27 59	30	8.0	B8 V	39	SWP	17808	L L O	004 00	82 242	12 42	G	82/243	C=255,B=19	
HD	25998	LDEDS	04 05	16.2	+37 54	39	5.5	F7 V	41	SWP	18650	L L O	060 00	82 328	20 56	G	82/333*	E=60,C=1.5X,B=22	
HD	25998	LDEDS	04 05	16.2	+37 54	39	5.5	F7 V	41	LWR	14714	H L O	040 00	82 328	22 02	G	82/333*	E=157,C=255,B=35	
HD	25998	LDEDS	04 05	16.2	+37 54	39	5.5	F7 V	41	LWR	15504	H L O	025 00	83 075	21 03	G	83/076*	E=163,C=225,B=66	
NGC	1514	EA254	04 06	08.0	+30 39	00	9.4		70	LWR	14219	L L O	15 00	82 263	16 00	V	/	* 503 4-MIN-HTR, MN=87	
NGC	1514	EA254	04 06	08.0	+30 39	00	9.4		70	SWP	18042	L L O	40 00	82 263	17 47	V	/	* 501	
HD	26337	RSESB	04 07	15.1	-08 01	27	7.1	EO.00 G5 IV	45	LWR	14806	H L O	100 00	82 342	05 06	G	82/343*	E=234,C=200,B=70	
HD	26337	RSESB	04 07	15.1	-08 01	27	7.2	G5 III	45	LWR	15309	L L O	002 30	83 048	05 27	G	83/048*	E=169,C=180,B=25	
HD	26337	RSESB	04 07	15.1	-08 01	27	7.4	G5 III	45	LWR	15533	L L O	002 30	83 080	18 08	G	83/081*	C=180,B=26	
HD	26337	RSESB	04 07	15.1	-08 01	26	7.1	G5 III	45	LWR	15547	L L O	002 30	83 082	00 29	G	83/082*	E=188,C=190,B=57	
HD	26337	RSESB	04 07	15.1	-08 01	26	7.1	G5 III	45	LWR	15547	L S O	005 00	83 082	00 36	G	83/082*	E=188,C=205,B=57	
VW	HYI	EI215	04 09	22.0	-71 25	00	9.6		54	SWP	17691	L L O	4 00	82 227	00 35	V	/	* 500	
VW	HYI	EI215	04 09	22.0	-71 25	00	9.6		54	LWR	13953	L L O	4 00	82 227	01 11	V	/	* 502 4-MIN-HTR-WM-UP	
HD	26571	IEETS	04 09	53.0	+22 17	11	6.20	EO.29 B8 II	23	SWP	19427	L T O	001 51	83 068	21 51	G	83/073*	C=150,B=20	
HD	26630	CBESP	04 11	13.0	+48 17	04	0.3	B9 V	39	LWR	14032	H L O	055 00	82 240	07 25	G	82/242	C=1.3X,B=45	
HD	26630	CBESP	04 11	13.0	+48 17	04	0.3	B9 V	39	SWP	17792	L L O	002 30	82 240	08 25	G	82/242	C=150,B=18	
HD	26630	CBESP	04 11	13.0	+48 17	04	0.3	B9 V	39	LWR	14782	H L O	055 00	82 338	02 49	G	82/340*	E=200,C=255,B=40	
HD	26630	CBESP	04 11	13.0	+48 17	04	0.3	B9 V	39	SWP	18725	L L O	002 30	82 338	03 52	G	82/340*	E=122,C=140,B=18	
HD	26630	SGEBM	04 11	13.0	+48 17	04	4.1	GO IB	45	LWR	15311	L L O	001 30	83 048	14 24	G	83/049*	C=2-3X,B=25	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MM	SEC	DEG						MM	SC	S	P	A	TIME			
HD	26630	SGBM	04 11 13.0	+48 17 04	4.1		GO IB	45 SWP	19278	L L O	007 00	83 048	14 37	G 83/049*	C=2X,B=18				
HD	26673	CBESP	04 11 28.7	+40 21 30	4.71		G5 IB	39 LWR	14033	H L O	058 00	82 240	09 04	G 82/242	E=223,C=1.3X,B=65				
HD	26673	CBESP	04 11 28.7	+40 21 30	0.7		A0 V	39 LWR	14783	H L O	060 00	82 338	04 28	G 82/340*	E=174,C=215,B=42				
HR	1325	CCETA	04 12 57.9	-07 43 45	4.4		K1 V	46 LWR	12935	H L O	250 00	82 093	10 26	G 82/095	E=3-5X,C=5X,B=74				
HR	1325	CCETA	04 12 58.0	-07 43 45	4.4		K1 V	46 LWR	12939	H L O	035 00	82 093	21 41	G 82/095	E=220,C=1.3X,B=38				
HR	1325	CCETA	04 12 58.1	-07 43 45	4.4		K1 V	46 LWR	12942	H L O	055 00	82 094	00 49	G 82/096	E=255,C=3X,B=52				
	NQC 1553	EE098	04 15 05.0	-55 54 00	10.5			80 SWP	18478	L L O	441 00	82 309	12 25	V / *	204				
	BP TAURI	TTECI	04 16 08.5	+28 59 16	12.1		K7 IV	58 LWR	15003	L L O	015 00	83 005	20 47	G 83/008*	E=157,C=60,B=28				
	BP TAURI	TTECI	04 16 08.5	+28 59 16	12.1		K7 IV	58 SWP	18954	L L O	210 00	83 005	21 08	G 83/008*	E=106,C=90,B=70				
	BP TAURI	TTECI	04 16 08.5	+28 59 16	12.1		K7 IV	58 LWR	15006	L L O	080 00	83 006	06 13	G 83/008*	E=4X,C=110,B=40				
	BP TAU	TTELK	04 16 08.5	+28 59 16	12.1		K7 IV	58 LWR	14424	L L O	012 00	82 290	09 39	G 82/291*	E=128,C=68,B=26				
	BP TAU	TTELK	04 16 08.5	+28 59 16	12.1		K7 IV	58 LWR	14425	L L O	060 00	82 290	10 19	G 82/291*	E=1.5X,C=140,B=65				
X	0416+283	PMEJL	04 16 23.0	+28 19 26	12.3		K7 IV	46 LWR	14389	L L O	180 00	82 285	03 10	G 82/286	E=89,B=42				
HD	27371	LGESB	04 16 56.7	+15 30 31	3.6		KO III	45 LWR	14803	H L O	025 00	82 341	18 47	G 82/342*	E=180,C=200,B=30				
HD	27371	LGESB	04 16 56.7	+15 30 31	3.6		KO III	47 SWP	19511	L L O	180 00	83 081	10 56	G 83/082*	E=220,C=240,B=50				
HD	27371	LGESB	04 16 56.7	+15 30 31	3.6		KO III	47 LWR	15542	H L O	025 00	83 081	14 03	G 83/082*	E=173,C=210,B=32				
	DE TAURI	TTECI	04 18 51.2	+27 48 16	12.9		M1 IV	58 LWR	15026	L L O	025 00	83 009	17 12	G 83/009*	E=161,C=65,B=32				
	DE TAURI	TTECI	04 18 51.2	+27 48 16	12.9		M1 IV	58 SWP	18977	L L O	420 00	83 009	18 04	G 83/009*	E=112,C=95,B=70				
	DE TAURI	TTECI	04 18 51.2	+27 48 16	12.9		M1 IV	58 LWR	15029	L L O	115 00	83 010	05 49	G 83/010*	E=3X,C=105,B=42				
SAO	76567	PMEJL	04 18 52.5	+28 11 07	8.8		GO IV	44 SWP	18244	L L O	440 00	82 282	22 45	G 82/286	E=140,C=100,B=68				
SAO	76567	PMEJL	04 18 52.5	+28 11 07	8.8		GO IV	44 LWR	14388	H L O	240 00	82 284	22 29	G 82/286*	E=119,C=130,B=60				
	T TAURI	TTECI	04 19 04.3	+19 25 05	10.4		K1 IV	58 LWR	15027	L L O	165 00	83 010	01 22	G 83/010*	E=18X,C=1.5X,B=35				
	T TAURI	TTECI	04 19 04.3	+19 25 05	10.4		K1 IV	58 LWR	15028	L L O	045 00	83 010	04 33	G 83/010*	E=4-5X,C=110,B=30				
	T TAURI	TTECI	04 19 04.3	+19 25 05	10.4		K1 IV	58 LWR	15040	L L O	009 00	83 011	16 14	G 83/012*	E=241,C=55,B=25				
HD	27628	AAEJL	04 19 14.2	+13 57 38	5.7		FO V	35 SWP	17439	L L O	002 24	82 198	18 22	G 82/200	C=160,B=21				
HD	27697	LGESB	04 20 02.8	+17 25 37	3.8		KO III	47 SWP	19512	L L O	180 00	83 081	14 45	G 83/082*	E=142,C=160,B=81				
HD	27697	LGESB	04 20 02.8	+17 25 37	3.8		KO III	47 LWR	15543	H L O	025 00	83 081	17 51	G 83/082*	E=146,C=210,B=45				
HD	27697	LGESB	04 20 02.8	+17 25 37	3.8		KO III	47 LWR	15548	H L O	016 00	83 082	01 24	G 83/082*	E=138,C=180,B=65				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 SWP	17259	L L O	360 00	82 170	06 47	G 82/172	B=70				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 LWR	13524	L L O	053 00	82 170	12 52	G 82/172	C=100,B=45				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 SWP	17269	L L O	360 00	82 171	07 14	G 82/172	B=85				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 LWR	13529	L L O	040 00	82 171	13 16	G 82/172	C=80,B=35				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 SWP	17280	L L O	360 00	82 173	07 07	G 82/173	B=83				
Q	0420-388	QSERH	04 20 30.1	-38 51 50	16.9			85 LWR	13542	L L O	035 00	82 173	13 10	G 82/173	C=100,B=40				
HD	27749	AAEJL	04 20 32.7	+16 39 44	5.6		FO V	35 SWP	17440	L L O	002 12	82 198	19 42	G 82/200	C=160,B=25				
HD	27778	IEETS	04 20 58.6	+24 11 11	6.3		B3 V	21 LWR	14730	L S O	000 25	82 331	09 05	G 82/333*	C=205,B=42				
HD	27778	IEETS	04 20 58.6	+24 11 11	6.3		B3 V	21 LWR	14730	L T O	001 51	82 331	09 11	G 82/333*	C=2X,B=42				
HD	27778	IEETS	04 20 58.6	+24 11 11	6.3		B3 V	21 SWP	18666	L T O	001 07	82 331	09 23	G 82/333*	C=140,B=42				
HD	28024	AMEJL	04 23 18.7	+22 42 07	4.3		A8 V	31 LWR	14918	L T O	000 18	82 360	08 24	G 82/361*	C=145,B=25				
DF	TAU	TTELK	04 23 59.6	+25 35 43	11.7		MO IV	58 LWR	14422	L L O	160 00	82 290	03 08	G 82/291*	E=1.2X,C=100,B=41				

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
	DF TAU	TTELK	04 23	59.6	+25 35	43	11.7	MO	IV	58 LWR	14422	L S D	025 00	82 290	05 54	G	82/291*	E=91,C=87,B=41	
	DG TAURI	TTECI	04 24	00.0	+25 59	36	12.7	G5	IV	58 LWR	13938	L L D	012 00	82 225	15 33	G	82/225	E=150,C=105,B=59	
	DG TAU	TTELK	04 24	00.0	+25 59	36	12.7	G5	IV	58 LWR	14440	L L D	043 00	82 292	13 02	G	82/292*	E=255,C=95,B=40	
HD	28226	AMEJL	04 25	02.4	+21 30	37	5.7	A8	SD	35 LWR	13700	L T D	001 00	82 198	18 02	G	82/200	C=160,B=32	
HD	28305	LGESB	04 25	41.6	+19 04	16	3.6	KO	III	47 SWP	19504	L L D	180 00	83 080	11 16	G	83/081*	E=128,C=140,B=50	
HD	28305	LGESB	04 25	41.6	+19 04	16	3.6	KO	III	47 LWR	15532	H L D	025 00	83 080	14 22	G	83/081*	E=130,C=195,B=33	
HD	28305	LGESB	04 25	41.6	+19 04	16	3.6	KO	III	47 LWR	15545	H L D	035 00	83 081	20 37	G	83/082*	E=218,C=1.5X,B=100	
HD	28305	LGESB	04 25	41.6	+19 04	16	3.6	KO	III	47 SWP	19514	L L D	003 00	83 081	21 43	G	83/082*	B=18	
HD	28307	LGESB	04 25	42.9	+15 51	10	3.9	KO	III	47 SWP	19505	L L D	155 00	83 080	15 00	G	83/081*	E=121,C=1.2X,B=82	
HD	28307	LGESB	04 25	42.9	+15 51	10	3.9	KO	III	47 LWR	15546	H L D	025 00	83 081	21 58	G	83/082*	E=233,C=220,B=60	
HD	28307	LGESB	04 25	42.9	+15 51	10	3.9	KO	III	47 SWP	19515	L L D	020 00	83 081	22 32	G	83/082*	E=139,C=120,B=84	
HD	28319	STAND	04 25	48.0	+15 46	00	3.6			40 LWR	14483	L L D	10	82 298	15 34	V	/	* 452 TRAIL, 1ITER,R=2.	
HD	28319	STAND	04 25	48.0	+15 46	00	3.6			40 LWR	14483	L S D	10	82 298	15 44	V	/	* 702 4-MIN-HTR	
HD	28319	STAND	04 25	48.0	+15 46	00	3.6			40 SWP	18390	L L D	31	82 298	16 01	V	/	* 500 TRAIL, 1ITER,R=0.	
HD	28319	STAND	04 25	48.0	+15 46	00	3.6			40 SWP	18390	L S D	40	82 298	16 08	V	/	* 700	
DI	TAU	TTELK	04 26	38.0	+26 26	20	12.6	MO	IV	58 LWR	14437	L L D	090 00	82 292	06 58	G	82/292*	B=65	
HD	28497	IGEJS	04 26	47.5	-13 09	26	5.6	B1	V	20 LWR	13649	H L D	001 25	82 191	15 21	G	82/193	C=180,B=33	
HD	28497	IGEJS	04 26	47.5	-13 09	26	5.6	B1	V	26 LWR	14994	H L D	001 30	83 005	00 33	G	83/009*	C=200,B=32	
HD	28497	IGEJS	04 26	47.5	-13 09	26	5.6	B1	V	26 SWP	18944	H L D	002 00	83 005	00 39	G	83/009*	C=180,B=35	
HD	28459	MLEPB	04 27	25.5	+32 21	02	6.2	B9	V	22 SWP	18022	H L D	028 00	82 262	11 53	G	82/263	C=223,B=51	
HD	28527	RPSTD	04 27	41.6	+16 05	12	4.78	EO.00	A6	V	31 LWR	15488	L T D	000 41	83 073	21 03	G	83/074*	C=240,B=30
HD	28527	RPSTD	04 27	41.6	+16 05	12	4.78	EO.00	A6	V	31 SWP	18459	L T D	001 40	83 073	21 13	G	83/074*	C=210,B=32
HD	28527	RPSTD	04 27	41.6	+16 05	12	4.78	EO.00	A6	V	31 LWR	15497	L T D	000 35	83 074	19 27	G	83/075*	C=210,B=30
HD	28546	AAEJL	04 27	47.5	+15 35	05	5.5	A8	V	35 SWP	17452	L T D	003 00	82 201	18 39	G	82/202	C=160,B=30	
X	O429+179	PMEJL	04 29	21.0	+17 55	24	11.6	K7	IV	46 LWR	14390	L L D	190 00	82 285	07 26	G	82/286	E=125,C=100,B=55	
X	O429+182	PMEJL	04 29	22.9	+18 13	53	11.8	K7	IV	46 LWR	14374	L L D	120 00	82 283	06 39	G	82/286	E=115,C=90,B=50	
X	O430+245	PMEJL	04 30	11.0	+24 27	58	12.0	K7	IV	46 LWR	14391	L L D	130 00	82 285	11 29	G	82/286	E=127,C=100,B=60	
	3C120	QSEJ0	04 30	31.5	+05 14	59	0.0			84 SWP	17506	L L D	240 00	82 209	05 11	G	82/211	E=169,C=90,B=50	
	3C120	QSEJ0	04 30	31.5	+05 14	59	0.0			84 LWR	13786	L L D	150 00	82 209	09 15	G	82/211	E=189,C=160,B=68	
	3C120	QSEJ0	04 30	31.5	+05 14	59	0.0			84 SWP	19587	L L D	270 00	83 089	11 13	G	83/090*	E=160,C=90,B=53	
	3C120	QSEJ0	04 30	31.5	+05 14	59	0.0			84 LWR	15618	L L D	150 00	83 089	15 49	G	83/090*	E=187,C=140,B=68	
DL	TAU	TTELK	04 30	35.7	+25 14	51	12.2	G5	IV	58 LWR	14438	L L D	060 00	82 292	09 32	G	82/292*	E=231,C=180,B=130	
HN	TAU	TTELK	04 30	50.4	+26 07	14	13.4	K5	IV	58 LWR	14423	L L D	090 00	82 290	07 07	G	82/291*	B=35	
HD	28910	EA051	04 31	01.0	+14 44	00	4.7			31 LWR	14329	H L D	12 40	82 276	18 04	V	/	* 503 4-MIN-HTR	
X	O431+249	PMEJL	04 31	37.8	+24 55	23	10.0	G8	V	46 LWR	14375	L L D	090 00	82 283	09 22	G	82/286	E=203,C=160,B=50	
AA	TAURI	TTECI	04 31	54.1	+24 23	16	12.6	K7	IV	58 LWR	15017	L L D	030 00	83 008	04 41	G	83/018*	E=140,C=80,B=33	
AA	TAURI	TTECI	04 31	54.1	+24 23	16	12.6	K7	IV	58 SWP	18966	L L D	152 00	83 008	05 17	G	83/009*	E=72,B=61	
HD	29094	CBESP	04 33	13.1	+41 09	51	0.8	B3	V	39 SWP	18724	L L D	001 00	82 338	02 27	G	82/340*	C=140,B=18	
HD	29365	CBEDL	04 35	18.6	+20 35	09	5.7	B8	V	13 SWP	17706	H L D	020 00	82 228	08 57	G	82/230	C=2X,B=73	
HD	30168	IEETS	04 43	07.5	+25 56	46	7.7	B8	V	22 LWR	15456	L T D	007 24	83 068	19 39	G	83/073*	C=195,B=32	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE			
HD	30168	IEETS	04 43 07.5	+25 56 46	7.7	B8 V	22	LWR	15456	L S 0	002 00	83 068	20 00	G	83/073*	C=135,B=32		
HD	30168	IEETS	04 43 07.5	+25 56 46	7.7	B8 V	22	SWP	19426	L S 0	002 00	83 068	20 05	G	83/073*	C=80,B=40		
HD	30168	IEETS	04 43 07.5	+25 56 46	7.7	B8 V	22	SWP	19426	L T 0	009 15	83 068	20 12	G	83/073*	C=120,B=40		
HD	26571	IEETS	04 43 07.5	+25 56 46	6.20	EO.29 B8	II	23	LWR	15457	L S 0	000 30	83 068	21 32	G	83/073*	C=220,B=30	
HD	26571	IEETS	04 43 07.5	+25 56 46	6.20	EO.29 B8	II	23	LWR	15457	L T 0	002 28	83 068	21 37	G	83/073*	C=2-3X,B=30	
	NGC 1672	EE225	04 44 55.0	-59 20 00	12.5			88	SWP	17257	L L 0	75 00	82 170	03 34	V	/	301	
	NGC 1672	EE225	04 44 55.0	-59 20 00	12.5			88	LWR	13523	L L 0	49 00	82 170	04 54	V	/	303 4-MIN-HTR-WM-UP	
	NGC 1667	EE276	04 46 10.0	-06 24 00	13.7			81	SWP	18771	L L 0	389 00	82 344	11 17	V	/	* 304	
HD	268654	IIEGC	04 49 24.0	-69 30	10.5	B9	IA	25	LWR	13453	L L 0	015 00	82 160	10 21	G	82/161	C=220,B=25	
HD	268654	IIEGC	04 49 24.0	-69 30	10.5	B9	IA	25	SWP	17173	L L 0	030 00	82 160	10 42	G	82/161	C=140,B=18	
HD	268657	IIEGC	04 49 30.0	-69 29	10.5	B9	IA	25	LWR	13454	L L 0	035 00	82 160	11 20	G	82/161	C=1X,B=35	
HD	268657	IIEGC	04 49 30.0	-69 29	11.5	B5	IA	24	SWP	17174	L L 0	050 00	82 160	12 08	G	82/161	C=180,B=21	
HD	31244	HCETA	04 50 14.3	-51 48 31	0.4	B5		39	LWR	15293	L L 0	002 18	83 046	22 58	G	83/047*	C=220,B=27	
HD	31244	HCETA	04 50 14.3	-51 48 31	0.4	B5		39	SWP	19263	L L 0	002 30	83 046	23 04	G	83/047*	C=145,B=23	
NGC	1711	EGEJC	04 50 58.3	-70 03 50	12.1	AO		83	SWP	17202	L L 0	040 00	82 163	20 25	G	82/165	C=145,B=35	
NGC	1711	EGEJC	04 50 58.3	-70 03 50	12.1	AO		83	LWR	13488	L L 0	035 00	82 163	21 09	G	82/165	C=175,B=32	
HD	31237	IGEJS	04 51 38.7	+02 21 37	3.7	B2	III	23	LWR	14995	H L 0	000 40	83 005	01 39	G	83/009*	C=2X,B=35	
HD	31237	IGEJS	04 51 38.7	+02 21 37	3.7	B2	III	23	SWP	18945	H L 0	000 55	83 005	01 43	G	83/009*	C=1.5X,B=43	
HD	31237	IGEJS	04 51 38.7	+02 21 37	3.7	B2	III	23	LWR	14996	H L 0	000 28	83 005	02 40	G	83/009*	C=245,B=33	
HD	31237	IGEJS	04 51 38.7	+02 21 37	3.7	B2	III	23	SWP	18946	H L 0	000 38	83 005	02 44	G	83/009*	C=220,B=35	
GM	AURIG	TTECI	04 52 00.1	+30 17 11	12.0	K7	IV	58	LWR	15015	L L 0	025 00	83 007	16 46	G	83/009*	E=95,C=60,B=29	
GM	AURIG	TTECI	04 52 00.1	+30 17 11	12.0	K7	IV	58	SWP	18964	L L 0	420 00	83 007	17 16	G	83/009*	E=139,C=115,B=80	
GM	AURIG	TTECI	04 52 00.1	+30 17 11	12.0	K7	IV	58	LWR	15016	L L 0	120 00	83 008	00 26	G	83/009*	E=240,C=90,B=37	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17883	L L 0	30	82 251	16 44	V	/	* 700	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17883	L S 0	24	82 251	16 46	V	/	* 300	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	LWR	14124	L S 0	10	82 251	16 52	V	/	* 502 4-MIN-HTR, MN=76	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	LWR	14124	L L 0	10	82 251	16 55	V	/	* 702 4-MIN-HTR, MN=76	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	LWR	17884	L S 0	40	82 251	17 20	V	/	* 500	
		EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17884	L S 0	0	82 251	17 20	V	/	*	
		EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17884	L L 0	0	82 251	17 23	V	/	*	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	LWR	17884	L L 0	12	82 251	17 23	V	/	* 500	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17885	H L 0	12	00 82 251	17 49	V	/	* 500	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	LWR	14125	H L 0	7	00 82 251	18 21	V	/	* 502 4-MIN-HTR	
HD	31295	EA115	04 52 08.0	+10 04 00	4.7			36	SWP	17886	H L 0	25	00 82 251	18 49	V	/	* 700	
HD	268623	IIEGC	04 52 18.0	-66 46	11.5	B2	IA	23	SWP	17990	L L 0	045 00	82 260	13 30	G	82/260	C=3-4X,B=61	
HD	268623	IIEGC	04 52 18.0	-66 46	11.5	B2	IA	23	LWR	14201	L L 0	019 00	82 260	14 21	G	82/260	C=2X,B=33	
AB	AUR	EA100	04 52 34.0	+30 28 00	7.2			34	LWR	14497	H L 0	45	00 82 299	14 36	V	/	* 453 4-MIN-HTR	
AB	AUR	EA100	04 52 34.0	+30 28 00	7.2			34	SWP	18404	L L 0	3	00 82 299	15 26	V	/	* 501	
AB	AUR	EA100	04 52 34.0	+30 28 00	7.2			34	LWR	14498	H L 0	45	00 82 299	15 57	V	/	* 553 4-MIN-HTR	
AB	AUR	EA100	04 52 34.0	+30 28 00	7.2			34	SWP	18405	L L 0	3	00 82 299	16 46	V	/	* 501	

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS								
		HR	MN	SEC DEG MN SC								YR	DAY	HR MN											
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	LWR	14499	H L O	43	00	82	299	17	32	V	/	* 554	4-MIN-HTR
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	SWP	18406	L L O	3	00	82	299	18	20	V	/	* 501	
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	LWR	14500	H L O	45	00	82	299	18	52	V	/	* 457	4-MIN-HTR
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	SWP	18407	L L O	3	00	82	299	19	42	V	/	* 501	
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	LWR	14501	H L O	45	00	82	299	20	14	V	/	* 553	4-MIN-HTR
AB AUR	EA100	04	52	34.0	+30	28	00	7.2				34	SWP	18408	L L O	3	00	82	299	21	03	V	/	* 500	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14485	H L O	030	00	82	298	22	24	G	82/299*	E=173,C=140,B=32	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18393	L L O	003	00	82	298	22	58	G	82/299*	C=190,B=18	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14486	H L O	040	00	82	298	23	34	G	82/299*	E=200,C=160,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18394	L L O	003	00	82	299	00	18	G	82/299*	C=190,B=18	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14487	H L O	045	00	82	299	00	49	G	82/299*	E=226,C=160,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18395	L L O	003	00	82	299	01	38	G	82/299*	C=190,B=18	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14488	H L O	050	00	82	299	02	10	G	82/299*	E=241,C=180,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18396	L L O	003	00	82	299	03	04	G	82/299*	C=190,B=15	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14489	H L O	045	00	82	299	03	36	G	82/300*	E=214,C=165,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18397	L L O	003	00	82	299	04	24	G	82/300*	C=195,B=18	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14490	H L O	045	00	82	299	04	57	G	82/300*	E=216,C=170,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18398	L L O	003	00	82	299	05	45	G	82/300*	C=195,B=23	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14491	H L O	045	00	82	299	06	17	G	82/300*	E=222,C=180,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18399	L L O	003	00	82	299	07	09	G	82/300*	C=182,B=25	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14492	H L O	045	00	82	299	07	41	G	82/300*	E=225,C=170,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18400	L L O	003	00	82	299	08	29	G	82/300*	C=183,B=23	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14493	H L O	045	00	82	299	09	02	G	82/300*	E=227,C=175,B=33	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18401	L L O	003	00	82	299	09	51	G	82/300*	C=195,B=25	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14494	H L O	045	00	82	299	10	23	G	82/300*	E=233,C=170,B=42	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18402	L L O	003	00	82	299	11	12	G	82/300*	C=200,B=20	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14495	H L O	045	00	82	299	11	44	G	82/300*	E=233,C=180,B=40	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	SWP	18403	L L O	003	00	82	299	12	35	G	82/300*	C=200,B=25	
AB AUR	AEETS	04	52	34.1	+30	28	21	7.2		AO		30	LWR	14496	H L O	045	00	82	299	13	07	G	82/300*	E=216,C=180,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14502	H L O	045	00	82	299	21	35	G	82/300*	E=222,C=165,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	SWP	18409	L L O	003	00	82	299	22	24	G	82/301*	C=180,B=18	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14503	H L O	045	00	82	299	23	01	G	82/300*	E=212,C=155,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	SWP	18410	L L O	003	00	82	299	23	50	G	82/301*	C=180,B=18	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14504	H L O	045	00	82	300	00	21	G	82/300*	E=221,C=160,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	SWP	18411	L L O	003	00	82	300	01	09	G	82/301*	C=185,B=18	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14505	H L O	045	00	82	300	01	43	G	82/300*	E=222,C=165,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	SWP	18412	L L O	003	00	82	300	02	31	G	82/301*	C=185,B=18	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14506	H L O	045	00	82	300	03	03	G	82/301*	E=230,C=160,B=40	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	SWP	18413	L L O	003	00	82	300	03	52	G	82/301*	C=180,B=18	
AB AUR	AEETS	04	52	34.2	+30	28	22	7.2		AO		30	LWR	14507	H L O	045	00	82	300	04	24	G	82/301*	E=226,C=160,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18414	L L 0	003 00	82 300 05 13	G	82/301*	C=185,B=20		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14508	H L 0	045 00	82 300 05 47	G	82/301*	E=213,C=160,B=40		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18415	L L 0	003 00	82 300 06 36	G	82/301*	C=185,B=20		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14509	H L 0	045 00	82 300 07 07	G	82/301*	E=220,C=175,B=40		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18416	L L 0	003 00	82 300 07 56	G	82/301*	C=185,B=20		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14510	H L 0	045 00	82 300 08 28	G	82/301*	E=224,C=165,B=45		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18417	L L 0	003 00	82 300 09 23	G	82/301*	C=180,B=20		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14511	H L 0	045 00	82 300 09 55	G	82/301*	E=227,C=180,B=45		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18418	L L 0	003 00	82 300 10 44	G	82/301*	C=190,B=20		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14512	H L 0	045 00	82 300 11 16	G	82/301*	E=242,C=180,B=40		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18419	L L 0	003 00	82 300 12 04	G	82/301*	C=190,B=23		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 LWR	14513	H L 0	045 00	82 300 12 37	G	82/301*	E=221,C=180,B=40		
AB AUR	AEETS	04 52 34.2	+30 28 22	7.2		AO	30 SWP	18420	L L 0	003 00	82 300 13 25	G	82/301*	C=185,B=25		
HD	31398	CSELH	04 53 44.0	+33 05 20	2.7		K3	II	47 LWR	13979	H L 0	025 00	82 230 16 42	G	82/231	E=255,C=85,B=32
HD	31398	EC232	04 53 44.0	+33 05 00	2.9				47 SWP	17719	L L 0	046 00	82 230 17 11	V	/	* 572 STARTED AT GSFC
Q	0454-220	QSEAG	04 54 00.0	-22 03 48	16.1				85 SWP	19243	L L 0	300 00	83 044 16 54	G	83/045*	E=211,C=145,B=94
Q	0454-220	QSEAG	04 54 02.2	-22 03 56	16.1				85 LWR	15270	L L 0	097 00	83 043 20 08	G	83/045*	C=110,B=50
	TV AUR	COETA	04 54 20.9	+48 29 09	9.7		S7		50 LWR	15062	L L 0	090 00	83 017 01 51	G	83/017*	B=45
NGC	1755	EGEJC	04 55 18.0	-68 17 02	12.0		AO		83 SWP	17201	L L 0	040 00	82 163 18 44	G	82/165	C=180,B=95
NGC	1755	EGEJC	04 55 18.0	-68 17 02	12.0		AO		83 LWR	13487	L L 0	040 00	82 163 19 28	G	82/165	C=190,B=57
SK-67	18	EM242	04 55 18.0	-67 13 00	12.0				13 LWR	13616	H L 0	238 00	82 186 23 44	V	/	* 306
NGC	1755	EGEJC	04 55 18.1	-68 17 03	12.0		AO		83 SWP	19072	L L 0	060 00	83 024 01 46	G	83/024*	C=160,B=35
OSK-6619	IEEGC	04 55 54.0	-66 27	12.8		B4	IA		24 LWR	14197	L L 0	070 00	82 260 01 18	G	82/260	C=1.5X,B=34
OSK-6619	IEEGC	04 55 54.0	-66 27	12.8		B4	IA		24 SWP	17986	L L 0	150 00	82 260 02 35	G	82/260	C=1.3X,B=33
HD	31964	VVERC	04 56 22.5	+43 45 05	3.0		FO	IB	39 SWP	18046	L L 0	001 00	82 264 08 35	G	82/265	E=73.C=75,B=20
HD	31964	EI273	04 56 23.0	+43 45 00	3.5				33 LWR	14247	H L 0	60 00	82 267 17 12	V	/	* 701 4-MIN-HTR
SKO27-66	IEFBS	04 56 24.0	-66 33 30	11.8		B2	IA		23 SWP	19554	L L 0	012 00	83 086 02 06	G	83/087*	C=70,B=18
S-67	22	WREPC	04 57 31.6	-67 43 15	13.0		WN		11 SWP	17084	L L 0	023 00	82 151 23 08	G	82/153	E=177,C=180,B=28
S 9/LMC	HLESS	04 57 35.9	-66 36 59	12.7		BO	V		13 LWR	15409	L L 0	030 00	83 062 01 00	G	83/062*	C=180,B=35
S 9/LMC	HLESS	04 57 35.9	-66 36 59	12.7		BO	V		13 SWP	19374	L L 0	045 00	83 062 01 34	G	83/062*	C=180,B=50
NGC	1774	EGEJC	04 58 05.3	-67 18 46	12.7		AO		83 SWP	17200	L L 0	030 00	82 163 17 19	G	82/165	C=140,B=70
NGC	1774	EGEJC	04 58 05.3	-67 18 46	12.7		AO		83 LWR	13486	L L 0	040 00	82 163 17 53	G	82/165	C=210,B=73
HD	31964	EI039	04 58 22.0	+43 45 00	3.6				40 LWR	14645	H L 0	15 00	82 320 14 42	V	/	* 402 4-MIN-HTR
HD	31964	EI039	04 58 22.0	+43 45 00	3.6				40 SWP	18570	L L 0	40 00	82 320 15 04	V	/	* 731
HD	31964	EI039	04 58 22.0	+43 45 00	3.6				40 SWP	18570	L S 0	10 00	82 320 15 49	V	/	* 431
HD	31964	EI039	04 58 22.0	+43 45 00	3.6				40 LWR	14646	H L 0	50 00	82 320 16 05	V	/	* 743 4-MIN-HTR
HD	31964	EI039	04 58 22.0	+43 45 00	3.6				40 SWP	18571	H L 0	55 00	82 320 16 59	V	/	* 331
HD	31964	EI273	04 58 22.0	+40 45 00	3.5				33 SWP	18137	L L 0	25 00	82 270 18 57	V	/	* 720
HD	31964	EI273	04 58 22.0	+40 45 00	3.5				33 LWR	14277	H L 0	10 00	82 270 19 28	V	/	* 402 MN=543
HR	1605	VVEDL	04 58 22.4	+43 45 29	3.0		AB	IA	33 SWP	17866	L L 0	001 30	82 250 14 32	G	82/250	C=145,B=52



OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS					
		HR	NN	SEC	DEG	NN	SC							MIN	SE	YR	DAY	HR				NN				
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15129	H	L	0	180	00	83	027	17	57	G	83/028*	C=8X,B=108
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	SWP	19100	L	L	0	016	00	83	027	21	04	G	83/028*	E=51,C=3X,B=40
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15130	H	L	0	030	00	83	027	21	46	G	83/028*	E=156,C=2-3X,B=70
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15131	L	L	0	004	00	83	027	22	49	G	83/028*	C=6X,B=32
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15132	L	L	0	001	40	83	027	23	29	G	83/028*	C=4X,B=32
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15132	L	S	0	000	50	83	027	23	33	G	83/028*	C=240,B=32
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	SWP	19423	L	L	0	085	00	83	068	11	41	G	83/077*	E=170,C=8X,B=35
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15451	H	L	0	040	00	83	068	13	10	G	83/077*	E=151,C=2X,B=35
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	SWP	19424	H	L	0	180	00	83	068	13	57	G	83/077*	C=255,B=60
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15452	L	L	0	001	20	83	068	14	32	G	83/077*	C=3X,B=25
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15452	L	S	0	000	50	83	068	14	37	G	83/077*	C=215,B=25
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15453	L	L	0	004	00	83	068	15	25	G	83/077*	C=5X,B=26
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15454	L	L	0	000	25	83	068	16	13	G	83/077*	E=24,C=30,B=25
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	LWR	15455	H	L	0	012	00	83	068	17	02	G	83/077*	E=85,C=175,B=27
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	SWP	19425	L	L	0	008	00	83	068	18	36	G	83/077*	C=2X,B=26
HR	1605	VVEDL	04	58	22.5	+43	45	30	3.0	A8	IA	33	SWP	19425	L	S	0	004	00	83	068	18	50	G	83/077*	C=80,B=26
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	13016	L	L	0	000	09	82	103	18	29	G	82/103	C=210,B=22
EPS	AURI	VVERC	04	58	22.5	+43	45	05		FO	IB	39	SWP	16755	L	L	0	000	30	82	103	18	34	G	82/119	NO COMMENTS
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	16756	H	L	0	040	00	82	103	19	45	G	82/103	C=170,B=54
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	13017	H	L	0	010	00	82	103	20	29	G	82/103	C=250,B=35
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	16759	H	L	0	105	00	82	103	23	59	G	82/104	C=2X,B=80
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	13793	L	S	0	001	15	82	210	04	32	G	82/211	C=2X,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	13793	L	L	0	000	11	82	210	04	36	G	82/211	C=200,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	17513	H	L	0	365	00	82	210	04	40	G	82/211	C=6X,B=90
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	13794	L	L	0	000	45	82	210	10	49	G	82/211	C=4X,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	18045	H	L	0	350	00	82	264	00	17	G	82/264	C=5X,B=100
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	14223	L	L	0	000	06	82	264	08	31	G	82/264	C=120,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	14224	H	L	0	010	00	82	264	09	07	G	82/264	C=195,B=30
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15033	L	L	0	000	20	83	010	16	28	G	83/011*	C=200,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15033	L	S	0	004	00	83	010	16	34	G	83/011*	C=5X,B=25
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	18981	L	L	0	006	00	83	010	16	43	G	83/011*	C=220,B=18
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15034	H	L	0	042	00	83	010	17	17	G	83/011*	E=150,C=3X,B=40
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	19251	H	L	0	220	00	83	045	17	10	G	83/046*	C=2X,B=98
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15288	L	S	0	004	00	83	045	20	57	G	83/046*	C=5X,B=30
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15288	L	L	0	000	20	83	045	21	05	G	83/046*	C=220,B=30
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	19252	L	L	0	006	00	83	045	21	31	G	83/047*	C=240,B=290
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15340	L	T	0	000	30	83	051	03	23	G	83/054*	C=125,B=30
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	LWR	15340	L	S	0	001	00	83	051	03	34	G	83/054*	C=1.5X,B=30
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	19305	L	T	0	010	00	83	051	03	44	G	83/054*	C=170,B=40
HD	31964	VVERC	04	58	22.5	+43	45	05	3.0	FO	IB	39	SWP	19305	L	S	0	005	00	83	051	04	13	G	83/054*	C=142,B=40



OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS	
		HR	MN	SEC	DEG							MN	SC	MIN	SE				YR
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	17757	L L 0	030	00	82	236	12	13	G 82/237	E=117,C=5-7,B=80
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14237	L T 0	000	44	82	266	12	17	G 82/266	C=235,B=89
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14237	L S 0	001	36	82	266	12	25	G 82/266	C=4X,B=89
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18077	L L 0	002	30	82	266	14	05	G 82/267	C=160,B=50
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14239	H L 0	030	00	82	266	14	13	G 82/267	E=219,C=2-3X,B=140
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18078	L L 0	040	00	82	266	14	48	G 82/266	E=119,C=10X,B=72
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14240	L L 0	002	00	82	266	15	32	G 82/266	C=5-6X,B=30
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18320	L L 0	005	00	82	291	10	25	G 82/292*	C=240,B=36
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14429	H L 0	011	00	82	291	10	36	G 82/292*	E=92,C=222,B=50
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18321	H L 0	052	00	82	291	11	04	G 82/292*	C=220,B=120
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14430	L S 0	002	30	82	291	11	37	G 82/292*	C=5X,B=26
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14430	L L 0	000	12	82	291	11	42	G 82/292*	C=200,B=26
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14431	H L 0	040	00	82	291	12	21	G 82/292*	E=185,C=3X,B=50
EPS AUR VVETS	04	58	22.6	+45	45	05	3.0	FO IA	40 SWP	18322	L L 0	037	00	82	291	13	05	G 82/292*	E=92,C=8X,B=18
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14432	L L 0	002	00	82	291	13	34	G 82/292*	C=8X,B=24
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14589	H L 0	012	00	82	313	21	10	G 82/314*	E=66,C=185,B=32
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18514	L L 0	005	00	82	313	21	32	G 82/314*	E=24,C=215,B=19
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14590	H L 0	040	00	82	313	22	03	G 82/314*	E=152,C=2.5X,B=40
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18515	L L 0	047	00	82	313	22	47	G 82/314*	E=78,C=8X,B=20
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14591	L L 0	000	14	82	313	23	21	G 82/314*	C=164,B=27
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14591	L S 0	003	00	82	313	23	26	G 82/314*	C=4X,B=25
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18674	L L 0	005	00	82	332	04	33	G 82/334*	C=185,B=20
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14738	H L 0	060	00	82	332	04	44	G 82/334*	E=212,C=2X,B=45
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18675	L L 0	010	00	82	332	05	18	G 82/334*	E=35,C=1.5X,B=20
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18676	L L 0	055	00	82	332	06	06	G 82/334*	E=158,C=9X,B=40
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14739	L L 0	000	20	82	332	06	39	G 82/334*	C=215,B=25
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14740	H L 0	011	00	82	332	07	10	G 82/334*	E=95,C=180,B=45
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18864	L L 0	055	00	82	356	23	25	G 82/357*	E=125,C=8X,B=25
E AUR VVETS	04	58	22.6	+43	45	05		FO	40 LWR	14872	L L 0	000	40	82	356	23	55	G 82/357*	C=220,B=25
E AUR VVETS	04	58	22.6	+43	45	05		FO	40 LWR	14872	L S 0	003	00	82	357	00	01	G 82/357*	C=7X,B=25
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14873	H L 0	050	00	82	357	00	51	G 82/357*	E=177,C=2-3X,B=55
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18865	L L 0	006	00	82	357	01	26	G 82/357*	C=220,B=23
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18931	L L 0	006	00	83	002	03	23	G 83/004*	C=230,B=38
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14979	H L 0	040	00	83	002	03	34	G 83/004*	E=203,C=3X,B=100
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 SWP	18932	L L 0	045	00	83	002	04	19	G 83/004*	E=202,C=8X,B=160
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14980	L L 0	000	20	83	002	04	53	G 83/004*	C=200,B=33
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14980	L S 0	004	00	83	002	04	59	G 83/004*	C=6X,B=33
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	14981	L L 0	004	30	83	002	05	35	G 83/004*	C=13X,B=40
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	15061	L L 0	000	20	83	017	00	52	G 83/017*	C=215,B=28
EPS AUR VVETS	04	58	22.6	+43	45	05	3.0	FO IA	40 LWR	15061	L S 0	004	00	83	017	00	57	G 83/017*	C=6X,B=28

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L L O	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN SC	MIN SE								YR DAY	HR MN	YR/DAY				
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19016	L L O	030 00	83 017 01 06	G 83/017*	E=68,C=5X,B=26						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19017	L L O	006 00	83 017 02 46	G 83/017*	E=28,C=225,B=22						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15215	L L O	000 20	83 039 22 25	G 83/040*	C=210,B=25						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19225	L L O	060 00	83 039 22 28	G 83/040*	E=162,C=10X,B=92						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15216	L S O	004 00	83 039 23 04	G 83/040*	C=5X,B=32						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15216	L L O	004 00	83 039 23 11	G 83/040*	C=9X,B=32						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15217	H L O	055 00	83 039 23 52	G 83/040*	E=231,C=4X,B=74						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19226	L L O	006 00	83 040 00 26	G 83/040*	C=235,B=25						
EPS AUR VVETS	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19227	H L O	045 00	83 040 01 07	G 83/040*	C=190,B=120						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19572	L L O	015 00	83 087 22 42	G 83/088*	E=45,C=3X,B=18						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15604	H L O	055 00	83 087 23 06	G 83/089*	E=218,C=2X,B=50						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19573	L L O	005 00	83 087 23 39	G 83/088*	C=180,B=18						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 SWP	19574	L L O	056 00	83 088 00 18	G 83/088*	E=130,C=12,B=25						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15605	L L O	000 20	83 088 00 50	G 83/088*	C=200,B=22						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15606	L L O	003 00	83 088 01 27	G 83/088*	C=8X,B=22						
EPS AUR VVFTA	04	58 22.6	+43 45 05	3.0		FO IA	40 LWR	15607	H L O	015 00	83 088 01 56	G 83/089*	E=86,C=200,B=32						
HD 31964 EI273	04	58 23.0	+43 45 00	3.5			33 SWP	18166	H L O	60 00	82 273 19 58	V / *	401						
HD 31964 IBEMP	04	58 23.0	+43 45	3.0		A8 IB	39 LWR	14057	H L O	025 00	82 242 13 23	G 82/243	C=2X,B=65						
HD 31964 IBEMP	04	58 23.0	+43 45	3.0		A8 IB	39 SWP	17809	L L O	030 00	82 242 13 55	G 82/243	E=151,C=5X,B=115						
HD 31910 SGBEM	04	58 57.6	+60 22 19	4.0		GO IB	45 SWP	19279	L L O	005 30	83 048 15 54	G 83/049*	C=50,B=25						
HD 31910 SGBEM	04	58 57.6	+60 22 19	4.0		GO IB	45 LWR	15312	L L O	001 00	83 048 16 04	G 83/052*	C=1.5X,B=22						
HD 32068 VVERC	04	58 58.7	+41 00 18	3.8		K5 IB	39 SWP	19304	H L O	009 00	83 051 02 02	G 83/054*	E=142,C=187,B=57						
HD 32068 VVERC	04	58 58.7	+41 00 18	3.8		K5 IB	39 LWR	15339	H L O	005 00	83 051 02 17	G 83/054*	E=233,C=185,B=40						
HD 32068 VVFIA	04	58 58.7	+41 00 18	3.8		K IB	39 LWR	15602	H L O	006 15	83 087 20 50	G 83/088*	E=244,C=200,B=35						
HD 32068 VVFIA	04	58 58.7	+41 00 18	3.8		K IB	39 SWP	19571	H L O	011 30	83 087 21 21	G 83/088*	C=185,B=37						
HD 32068 VVFIA	04	58 58.7	+41 00 18	3.8		K IB	39 LWR	15603	L L O	000 06	83 087 21 58	G 83/088*	C=180,B=22						
HD 32918 CCEBB	04	59 51.0	-75 20 30	8.5			46 LWR	14622	L T O	014 48	82 318 09 49	G 82/320*	E=152,C=105,B=50						
HD 269227 WREPC	04	59 59.9	-68 01 09	12.1		WN	11 SWP	18451	L L O	032 00	82 306 07 31	G 82/307*	E=2.0X,C=155,B=25						
OSK-6518 IEEGC	05	00 00.0	-65 48	11.0		B8 IA	25 LWR	13455	L L O	024 00	82 160 13 22	G 82/161	C=1.5X,B=30						
OSK-6518 IEEGC	05	00 00.0	-65 48	11.0		B8 IA	25 SWP	17183	L L O	050 00	82 161 14 41	G 82/162	C=1.2X,B=35						
HD 268847 WREPC	05	00 00.0	-68 01 10	14.4		WN	11 LWR	14547	L L O	025 00	82 306 06 55	G 82/307*	E=129,C=105,B=33						
ABELL 7 EA254	05	00 52.0	-15 41 00	15.2			70 LWR	14212	L L O	65 00	82 262 16 48	V / *	403 4-MIN-HTR						
SK-6521 EHEBS	05	01 12.9	-65 46	12.0		BO IAB	23 SWP	17891	H L O	308 00	82 252 00 26	G 82/252	C=175,B=81						
G191-B2B WDFEB	05	01 30.9	+52 45 40	11.8		WD	37 SWP	18217	H L O	100 00	82 279 02 59	G 82/279	C=160,B=37						
HD 32612 RPSTD	05	01 34.8	-14 26 19	6.41	EO.04	B2 IV	20 LWR	15528	L T O	000 20	83 079 22 18	G 83/080*	C=230,B=28						
HD 32612 RPSTD	05	01 34.8	-14 26 19	6.41	EO.04	B2 IV	20 SWP	19500	L T O	000 22	83 079 22 29	G 83/080*	C=245,B=27						
SK-70 36 EI108	05	01 39.0	-70 38 00	13.2			59 SWP	16718	L L O	65 00	82 098 03 23	V /	501						
SK-70 36 EI108	05	01 39.0	-70 38 00	13.2			59 LWR	12981	L L O	55 00	82 098 04 50	V /	503						
SK-70 36 EI108	05	01 39.0	-70 38 00	13.2			59 LWR	12998	L L O	55 00	82 100 02 33	V /	504						
SK-70 36 EI108	05	01 39.0	-70 38 00	13.2			59 SWP	16740	L L O	65 00	82 100 03 33	V /	501						

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	RA	DEC							MIN	SEC	DEG	MN			
NGC	1805	EGEJC	05 02	10.3	-66 10 15	12.5		AO	83	SWP	17199	L L 0	025 00	82 163 16 08	G	82/165	C=170,B=68	
NGC	1805	EGEJC	05 02	10.3	-66 10 15	12.5		AO	83	LWR	13485	L L 0	025 00	82 163 16 42	G	82/165	C=190,B=50	
HD	32630	PHCAL	05 03	00.0	+41 10 00	3.3			21	LWP	1514	L L 0	1 82	095 05 53	V	/	502 TRAIL =24.39	
HD	32630	PHCAL	05 03	00.0	+41 10 00	3.3			21	LWR	14777	L L 0	1 82	337 16 14	V	/	* 502 R=20.2 IT=1 MN44	
HD	32630	PHCAL	05 03	00.0	+41 10 00	3.3			21	LWR	14778	H L 0	23 82	337 16 43	V	/	* 502	
HD	32630	PHCAL	05 03	00.0	+41 10 00	3.3			21	SWP	18720	H L 0	35 82	337 16 57	V	/	* 701	
HD	32630	PHCAL	05 03	00.0	+41 10 00	3.3			21	SWP	18721	L L 0	1 82	337 17 24	V	/	* 500 R=18.2 ITER=1	
HD	32630	PHCAL	05 03	00.2	+41 10 08	3.2	EO.02	B3 V	21	LWP	1521	H T 0	000 15	82 103 00 36	G	82/103	C=200,B=42	
HD	32630	PHCAL	05 03	00.2	+41 10 08	3.2	EO.02	B3 V	21	LWP	1522	L T 0	000 01	82 103 01 08	G	82/103	C=210,B=37	
HD	32630	PHCAL	05 03	00.2	+41 10 08	3.2	EO.02	B3 V	21	LWR	13011	L T 0	000 01	82 103 01 45	G	82/103	C=215,B=27	
NGC	1818	EGEJC	05 04	05.6	-66 29 31	11.8		AO	83	LWR	13483	L L 0	010 00	82 163 14 32	G	82/165	C=115,B=33	
NGC	1818	EGEJC	05 04	05.6	-66 29 31	11.8		AO	83	SWP	17198	L L 0	023 00	82 163 14 47	G	82/165	C=170,B=89	
NGC	1818	EGEJC	05 04	05.6	-66 29 31	11.8		AO	83	LWR	13484	L L 0	020 00	82 163 15 24	G	82/165	C=185,B=62	
NGC	1818	EGEJC	05 04	05.7	-66 29 32	11.8		AO	83	LWR	15099	L L 0	030 00	83 024 03 06	G	83/024*	C=180,B=40	
SK-7057	MLFPC	05 04	33.0	-70 42 00					12	LWR	15484	L L 0	018 00	83 073 01 12	G	83/074*	C=180,B=43	
RW	AURIG	TTECI	05 04	37.7	+30 20 14	10.8		K1 IV	58	LWR	13939	L L 0	003 30	82 225 16 20	G	82/225	E=208,C=80,B=32	
RW	AUR	TTECI	05 04	37.7	+30 20 14	10.8		K1 IV	58	LWR	15004	L L 0	003 30	83 006 01 10	G	83/008*	E=170,C=65,B=21	
RW	AUR	TTECI	05 04	37.7	+30 20 14	10.8		K1 IV	58	SWP	18955	L L 0	180 00	83 006 01 19	G	83/008*	E=128,C=160,B=86	
RW	AUR	TTECI	05 04	37.7	+30 20 14	10.8		K1 IV	58	SWP	18965	L L 0	015 00	83 008 02 35	G	83/009*	E=148,C=90,B=48	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	SWP	16717	L L 0	025 00	82 098 01 24	G	82/098	E=118,C=2X,B=40	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	LWR	12992	H L 0	015 00	82 099 19 37	G	82/100	E=186,C=270,B=50	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	SWP	16734	L L 0	031 00	82 099 19 57	G	82/100	C=3X,B=70	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	SWP	16750	L L 0	031 00	82 102 18 51	G	82/102	E=127,C=2-3X,B=30	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	LWR	13009	H L 0	015 00	82 102 19 27	G	82/102	E=157,C=210,B=30	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	LWR	13022	H L 0	015 00	82 104 20 53	G	82/105	C=1.2X,B=41	
HD	33262	CCEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	SWP	16765	L L 0	031 00	82 104 21 12	G	82/104	C=3X,B=45	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	LWR	13035	H L 0	015 00	82 106 23 27	G	82/108	C=230,B=31	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	SWP	16780	L L 0	031 00	82 106 23 54	G	82/108	C=2X,B=21	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	SWP	16795	L L 0	031 00	82 110 00 02	G	82/110	C=2X,B=22	
HD	33262	CCEKH	05 04	38.8	-57 32 22	4.7		F8 V	41	LWR	13048	H L 0	015 00	82 110 00 39	G	82/110	C=240,B=35	
HD	33262	CCEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	LWR	13111	H L 0	015 00	82 119 23 47	G	82/120	E=130,C=230,B=32	
HD	33262	CCEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	SWP	16862	L L 0	031 00	82 120 00 19	G	82/120	E=124,C=255,B=24	
HD	33262	LDEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	SWP	17006	L L 0	031 00	82 140 22 24	G	82/141	C=2X,B=28	
HD	33262	LDEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	SWP	17682	L L 0	031 00	82 226 12 13	G	82/228	C=2.5X,B=98	
HD	33262	LDEKH	05 04	38.8	-57 32 21	4.7		F8 V	41	SWP	17695	L L 0	031 00	82 227 12 40	G	82/228	C=2X,B=115	
HD	33262	LDEKH	05 04	38.9	-57 32 22	4.7		F8 V	41	LWR	13194	H L 0	013 00	82 127 21 44	G	82/130	E=185,C=1.2X,B=88	
HD	33262	LDEKH	05 04	38.9	-57 32 22	4.7		F8 V	41	SWP	16923	L L 0	017 00	82 127 22 12	G	82/130*	E=116,C=2X,B=106	
HD	33262	LDEKH	05 04	38.9	-57 32 22	4.7		F8 V	41	SWP	16923	L S 0	017 00	82 127 22 13	G	82/130*	B=106	
HD	33262	LDEKH	05 04	38.9	-57 32 22	4.7		F8 V	41	LWR	13265	H L 0	015 00	82 138 20 36	G	82/139	E=166,C=235,B=32	
HD	33262	LDEKH	05 04	38.9	-57 32 22	4.7		F8 V	41	SWP	16985	L L 0	031 00	82 138 20 56	G	82/139	E=57,C=1.5X,B=20	

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC	DEG	MIN							SC	MIN	SE	YR	DAY			
HD	33262	LDEKH	05 04 38.9	-57 32 22					41	SWP	16985	L L 0	031 00	82 138 20 58	G	82/139	E=57, C=1.5X, B=20		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13273	H L 0	015 00	82 139 16 42	G	82/140	E=160, C=220, B=35		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	SWP	16993	L L 0	031 00	82 139 17 06	G	82/140	C=2-3X, B=37		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13278	H L 0	015 00	82 139 22 49	G	82/140	E=160, C=220, B=35		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	SWP	16998	L L 0	030 00	82 139 23 18	G	82/140	C=2-3X, B=21		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13284	H L 0	015 00	82 140 21 57	G	82/141	E=189, C=255, B=40		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13945	H L 0	015 00	82 226 11 41	G	82/228	E=196, C=255, B=58		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13956	H L 0	015 00	82 227 12 14	G	82/228	E=204, C=255, B=55		
HD	33262	LDEKH	05 04 38.9	-57 32 22	4.7		F8 V		41	LWR	13986	H L 0	015 00	82 232 12 30	G	82/232	E=178, C=225, B=32		
HD	33262	EC052	05 04 39.0	-57 02 00	4.7				41	SWP	17040	L L 0	9 00	82 145 07 43	V	/	500		
SK	-7060	MLFPC	05 05 09.0	-70 19 00	13.8	-0.19	05		12	SWP	19452	L L 0	035 00	83 072 00 32	G	83/074*	E=151, C=200, B=35		
SK	-7060	MLFPC	05 05 17.9	-70 19 00	13.8	-0.19	05		12	LWR	15477	L L 0	029 00	83 071 23 58	G	83/074*	E=178, C=160, B=30		
SK	-7066	MLFPC	05 05 33.0	-70 33 00	12.8	-0.17	09		13	SWP	19453	L L 0	019 00	83 072 19 47	G	83/074*	E=218, C=185, B=40		
SKO41-68	IEFBS	05 05 42.0	-68 14 00	12.0			B0 IA		23	SWP	19561	L L 0	011 00	83 086 21 05	G	83/088*	C=170, B=20		
SKO41-68	IEFBS	05 05 42.0	-68 14 00	12.0			B0 IA		23	SWP	19561	L S 0	015 00	83 086 21 27	G	83/088*	C=130, B=20		
SKO41-68	IEFBS	05 05 42.0	-68 14 00	12.0			B0 IA		23	LWR	15594	L L 0	010 00	83 086 21 51	G	83/088*	C=200, B=32		
SKO41-68	IEFBS	05 05 42.0	-68 14 00	12.0			B0 IA		23	LWR	15594	L S 0	015 00	83 086 22 10	G	83/088*	C=170, B=32		
SK	-7066	MLFPC	05 05 49.0	-70 32 04	12.8	-0.17	09		13	LWR	15478	L L 0	010 00	83 072 01 32	G	83/074*	C=90, B=25		
HD	269066	EHEBS	05 06 18.0	-70 35 54	12.0		B0 IAB		23	SWP	17903	H L 0	363 00	82 253 00 07	G	82/253	C=182, B=82		
HD	33328	MLEPB	05 06 45.0	-08 49	4.27		B2 IV		26	SWP	18004	H L 0	000 45	82 261 12 35	G	82/263	C=200, B=38		
HD	33328	MLEPB	05 06 45.0	-08 48 59	4.27		B2 IV		26	SWP	19336	H L 0	000 45	83 058 03 31	G	83/060*	C=195, B=36		
HD	33328	OD92B	05 06 45.0	-08 48 59	4.3		B2 IV		26	SWP	19046	H L 0	000 45	83 020 07 03	G	83/020*	C=205, B=33		
HD	33328	OD92B	05 06 45.1	-08 49 00	4.3		B2 IV		26	SWP	19148	H L 0	000 45	83 031 03 13	G	83/031*	C=190, B=35		
HD	33328	OD92B	05 06 45.1	-08 49 00	4.3		B2 IV		26	LWR	15156	H L 0	000 35	83 031 06 48	G	83/031*	C=200, B=33		
NGC	1846	EE104	05 07 36.0	-67 32 00	11.3				83	LWR	13213	L L 0	363 00	82 130 01 40	V	/	307		
NGC	1850	EGEJC	05 08 53.4	-68 48 55	11.9		A0		83	SWP	17206	L L 0	060 00	82 164 13 31	G	82/165	C=180, B=72		
NGC	1850	EGEJC	05 08 53.5	-68 48 55	11.9		A0		83	LWR	13492	L L 0	045 00	82 164 14 35	G	82/165	C=190, B=52		
NGC	1854	EGEJC	05 09 04.0	-68 55 00	12.5		A0		83	FES	1393 F	L 2	160 00	83 023 00 24	G	83/024*	NO COMMENTS		
NGC	1854	EGEJC	05 09 04.0	-68 55 00	12.5		A0		83	SWP	19064	L L 0	035 00	83 023 00 45	G	83/024*	C=115, B=80		
NGC	1854	EGEJC	05 09 04.0	-68 55 00	12.5		A0		83	LWR	15092	L L 0	060 00	83 023 01 26	G	83/024*	C=180, B=98		
NGC	1856	EGEJC	05 09 42.1	-69 11 14	12.3		A5		83	SWP	17205	L L 0	120 00	82 164 09 03	G	82/165	C=80, B=32		
NGC	1856	EGEJC	05 09 42.1	-69 11 15	12.3		A5		83	LWR	13491	L L 0	120 00	82 164 11 10	G	82/165	C=155, B=43		
SK	-6751	MLFPC	05 09 51.0	-67 58 00	12.6	-0.16	06		12	LWR	15476	L L 0	015 00	83 071 22 23	G	83/074*	C=205, B=33		
SK	-6751	MLFPC	05 09 51.0	-67 58 00	12.6	-0.16	06		12	SWP	19451	L L 0	019 30	83 071 22 55	G	83/074*	E=3X, C=253, B=30		
HD	34198	RSETS	05 12 28.9	-26 15 50	7.1				47	LWR	14607	L T 0	008 00	82 316 06 28	G	82/316*	E=112, C=80, B=25		
HD	34198	RSETS	05 12 28.9	-26 15 50	7.1				47	SWP	18536	L L 0	075 00	82 316 06 55	G	82/316*	E=82, B=50		
CAPELLA	RSETA	05 12 59.5	+45 56 58	0.1			G6 III		45	SWP	18779	H L 0	015 00	82 346 06 59	G	82/347*	E=188, C=140, B=38		
CAPELLA	RSETA	05 12 59.5	+45 56 58	0.1			G6 III		45	SWP	18781	H L 0	080 00	82 346 08 22	G	82/347*	E=4X, C=2-3X, B=65		
CAPELLA	RSETA	05 12 59.5	+45 56 58	0.1			G6 III		45	SWP	18786	H L 0	022 30	82 347 06 42	G	82/348*	E=101, C=1.5X, B=59		
CAPELLA	RSETA	05 12 59.5	+45 56 58	0.1			G6 III		45	SWP	18788	H L 0	097 00	82 347 08 12	G	82/347*	E=3X, C=3X, B=108		





OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS							
		HR	MN	SEC	DEG						MN	SC	S	P	A	P				P	MIN	SE	YR	DAY	HR	MN
HD	34816	PHCAL	05 17	16.2	-13 13	37	4.3	EO.03	BO	IV	20	LWP	1686	H	L	0	000	22	82	279	10	40	G	82/280	C=203,B=43	
HD	34816	PHCAL	05 17	16.2	-13 13	37	4.3	EO.03	BO	IV	20	SWP	18221	H	L	0	000	22	82	279	12	42	G	82/280	C=185,B=35	
HD	34816	PHCAL	05 17	16.2	-13 13	37	4.3	EO.03	BO	IV	20	LWR	14592	H	L	0	000	26	82	314	00	52	G	82/314*	C=210,B=32	
HD	34816	PHCAL	05 17	16.2	-13 13	37	4.3	EO.03	BO	IV	20	SWP	18516	H	L	0	000	22	82	314	00	56	G	82/314*	C=175,B=32	
HD	34816	PHCAL	05 17	16.2	-13 13	37	4.3	EO.03	BO	IV	20	LWP	1714	H	L	0	000	22	82	315	09	59	G	82/316*	C=220,B=42	
	SKO89-69	IEFBS	05 17	23.9	-69 50	29	11.4		B1	IA	23	LWR	15586	L	L	0	008	20	83	085	21	59	G	83/087*	C=180,B=30	
	SKO89-69	IEFBS	05 17	23.9	-69 50	29	11.4		B1	IA	23	LWR	15586	L	S	0	012	30	83	085	22	18	G	83/087*	C=170,B=30	
	SKO89-69	IEFBS	05 17	24.0	-69 50	30	11.4		B1	IA	23	SWP	19551	L	L	0	015	00	83	085	21	07	G	83/087*	C=150,B=20	
	SKO89-69	IEFBS	05 17	24.0	-69 50	30	11.4		B1	IA	23	SWP	19551	L	S	0	023	20	83	085	21	30	G	83/087*	C=140,B=20	
HD	34863	MLEPB	05 17	39.7	-12 21	56	5.3		B7	IV	22	SWP	18003	H	L	0	004	45	82	261	12	02	G	82/263	C=198,B=37	
	SKO91-69	IEFBS	05 17	42.0	-69 54	30	10.7		BO	IA	23	LWR	15587	L	S	0	005	50	83	085	23	39	G	83/087*	C=160,B=35	
	SKO91-69	IEFBS	05 17	48.0	-69 54	30	10.7		BO	IA	23	SWP	19552	L	L	0	008	20	83	085	22	43	G	83/087*	C=190,B=20	
	SKO91-69	IEFBS	05 17	48.0	-69 54	30	10.7		BO	IA	23	SWP	19552	L	S	0	010	00	83	085	22	56	G	83/087*	C=120,B=20	
	SKO91-69	IEFBS	05 17	48.0	-69 54	30	10.7		BO	IA	23	LWR	15587	L	L	0	004	10	83	085	23	30	G	83/087*	C=190,B=35	
	SK -6542	MLFPC	05 19	21.0	-65 55	00	13.9		08		12	LWR	15481	L	L	0	032	00	83	072	20	27	G	83/074*	C=180,B=40	
	SK -6542	MLFPC	05 19	21.0	-65 55	00					12	SWP	19454	L	L	0	040	00	83	072	21	03	G	83/074*	E=239,C=210,B=41	
HD	35155	COETA	05 19	54.8	-08 42	47	6.8		S2		50	LWR	14924	L	L	0	045	00	82	361	03	40	G	82/362*	E=3X,C=160,B=47	
HD	35155	COETA	05 19	54.8	-08 42	47	6.8		S2		50	LWR	14928	L	L	0	008	00	82	361	09	30	G	82/362*	E=211,C=70,B=30	
HD	35155	COETA	05 19	54.8	-08 42	47	6.8		S2		50	SWP	18897	L	L	0	010	00	82	361	09	41	G	82/362*	E=44,C=40,B=25	
HD	35155	COETA	05 19	54.8	-08 42	47	6.8		S2		50	SWP	18957	L	L	0	060	00	83	006	21	09	G	83/008*	E=178,C=70,B=32	
HD	35155	COETA	05 19	54.8	-08 42	47	6.8		S2		50	LWR	15008	H	L	0	090	00	83	006	22	14	G	83/008*	E=187,C=90,B=39	
	SKO78-67	IEFBS	05 20	24.0	-67 20	54	11.3		B3	IA	24	SWP	19564	L	L	0	013	00	83	087	01	57	G	83/088*	C=125,B=18	
HD	35299	MLEPB	05 21	08.8	-00 12	19	5.7		B1	V	20	SWP	18005	H	L	0	002	00	82	261	13	07	G	82/263	C=195,B=36	
	0521-364	EE168	05 21	13.0	-36 26	00	15.5				87	SWP	16879	L	L	0	226	00	82	121	00	44	V	/	232	
	0521-364	EE168	05 21	13.0	-36 30	00	15.5				87	LWR	13148	L	L	0	240	00	82	123	00	51	V	/	308 HI-DISP REMNANT	
	0521-364	EE168	05 21	13.0	-36 30	00	15.5				87	LWR	13171	L	L	0	260	00	82	125	00	39	V	/	307	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0				41	SWP	18544	L	L	0	075	00	82	317	10	02	G	82/319*	E=106,C=2X,B=50	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		FB		41	LWR	14617	H	L	0	024	00	82	317	11	21	G	82/319*	E=181,C=1.1X,B=32	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F5		41	SWP	18550	L	L	0	060	00	82	318	03	27	G	82/320*	E=92,C=2X,B=46	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F8		41	LWR	14618	H	L	0	025	00	82	318	04	33	G	82/319*	E=184,C=1.2X,B=32	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F8	V	41	LWR	14628	H	L	0	025	00	82	319	06	06	G	82/319*	E=162,C=1.2X,B=37	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F8	V	41	SWP	18559	L	L	0	075	00	82	319	06	36	G	82/319*	E=144,C=3-4X,B=108	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F8	V	41	SWP	18565	L	L	0	060	00	82	320	04	55	G	82/320*	E=96,C=2X,B=52	
	111 TAU	LDETS	05 21	30.2	+17 20	20	5.0		F8	V	41	LWR	14640	H	L	0	010	00	82	320	06	01	G	82/320*	E=99,C=135,B=30	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0		F8	V	41	SWP	16691	L	L	0	035	00	82	094	22	20	G	82/096	E=173,C=1.5X,B=95	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0		F8	V	41	LWR	12948	H	L	0	022	00	82	094	22	58	G	82/096	E=187,C=1.2X,B=73	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0		F8	V	41	SWP	16715	L	L	0	020	00	82	097	22	36	G	82/098	E=186,C=1.5-2X,B=1.5	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0*		F8	V	41	LWR	12979	H	L	0	016	00	82	097	23	09	G	82/098	E=246,C=270,B=115	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0		F8	V	41	LWR	12993	H	L	0	022	00	82	099	20	59	G	82/100	E=176,C=235,B=48	
HD	35296	CCEKH	05 21	30.7	+17 20	19	5.0		F8	V	41	SWP	16735	L	L	0	028	00	82	099	21	28	G	82/100	E=144,C=2X,B=60	



	OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L L O	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS		
			HR	MN	SEC	DEG	MN	SC								MIN	SE	YR	DAY				HR	MN
X	0526-328	CBEPS	05	27	34.5	-32	51	20	13.8	*	63	SWP	18614	L	L	0	040	00	82	325	05	40	G 82/327*	E=83,C=75,B=20
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14683	L	L	0	030	00	82	325	06	25	G 82/327*	C=95,B=29
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18615	L	L	0	040	00	82	325	07	02	G 82/327*	E=93,C=70,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14684	L	L	0	030	00	82	325	07	47	G 82/327*	E=127,C=100,B=32
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18616	L	L	0	040	00	82	325	08	22	G 82/327*	E=118,C=75,B=35
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14685	L	L	0	030	00	82	325	09	06	G 82/327*	E=107,C=96,B=34
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18617	L	L	0	040	00	82	325	09	41	G 82/327*	E=105,C=65,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14686	L	L	0	030	00	82	325	10	26	G 82/327*	E=106,C=90,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18618	L	L	0	050	00	82	325	11	00	G 82/327*	E=117,C=80,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18622	L	L	0	040	00	82	326	05	27	G 82/327*	E=105,C=75,B=27
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14690	L	L	0	030	00	82	326	06	11	G 82/327*	E=138,C=115,B=32
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18623	L	L	0	040	00	82	326	06	45	G 82/327*	E=2X,C=215,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14691	L	L	0	026	00	82	326	07	42	G 82/327*	C=1.5X,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18624	L	L	0	010	00	82	326	08	16	G 82/327*	E=212,C=80,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14692	L	L	0	015	00	82	326	08	47	G 82/327*	E=275,C=145,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18625	L	L	0	020	00	82	326	09	15	G 82/327*	E=255,C=90,B=26
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14693	L	L	0	025	00	82	326	09	49	G 82/327*	C=175,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18626	L	L	0	015	00	82	326	10	18	G 82/327*	E=227,C=70,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14694	L	L	0	020	00	82	326	10	50	G 82/327*	C=190,B=31
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18627	L	L	0	016	12	82	326	11	24	G 82/327*	E=180,C=60,B=26
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18631	L	L	0	030	00	82	327	04	54	G 82/327*	E=130,C=78,B=29
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14699	L	L	0	030	00	82	327	05	28	G 82/327*	120,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18632	L	L	0	030	00	82	327	06	02	G 82/327*	E=173,C=80,B=26
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14700	L	L	0	025	00	82	327	06	36	G 82/327*	C=135,B=32
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18633	L	L	0	030	00	82	327	07	06	G 82/327*	E=172,C=100,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14701	L	L	0	025	00	82	327	07	41	G 82/327*	C=130,B=32
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18634	L	L	0	030	00	82	327	08	10	G 82/327*	E=209,C=90,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14702	L	L	0	025	00	82	327	08	44	G 82/328*	C=130,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18635	L	L	0	030	00	82	327	09	14	G 82/328*	E=198,C=105,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14703	L	L	0	030	00	82	327	09	48	G 82/328*	E=165,C=140,B=32
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18643	L	L	0	040	00	82	328	04	36	G 82/328*	E=120,C=80,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14707	L	L	0	030	00	82	328	05	21	G 82/328*	C=115,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18644	L	L	0	040	00	82	328	05	57	G 82/328*	E=669,C=85,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14708	L	L	0	030	00	82	328	06	41	G 82/328*	C=105,C=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18645	L	L	0	040	00	82	328	07	16	G 82/328*	E=188,C=90,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14709	L	L	0	030	00	82	328	08	00	G 82/328*	C=120,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18646	L	L	0	040	00	82	328	08	34	G 82/328*	E=189,C=80,B=25
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14710	L	L	0	030	00	82	328	09	19	G 82/328*	C=105,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	SWP	18647	L	L	0	040	00	82	328	09	54	G 82/328*	E=106,C=60,B=30
X	0526-328	CBEPS	05	27	34.5	-32	51	20	14.0		63	LWR	14711	L	L	0	030	00	82	328	10	38	G 82/328*	C=110,B=30

OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE YR	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MIN	SEC	DEG	MIN	SEC								DAY	HR	MIN			
X	0526-328	CBEPS	05 27 34.5	-32 51 20	14.0						63 SWP	18648	L L O	035 00 82	328 11 12	G 82/328*	E=115,C=75,B=25			
X	0526-328	CBEPS	05 27 34.5	-32 51 20	14.0						63 SWP	18878	L L O	040 00 82	358 07 41	G 82/361*	E=122,C=80,B=30			
X	0526-328	CBEPS	05 27 34.5	-32 51 20	14.0						63 LWR	14886	L L O	030 00 82	358 08 25	G 82/361*	E=119,C=90,B=35			
X	0526-328	CBEPS	05 27 34.5	-32 51 20	14.0						63 SWP	18879	L L O	045 00 82	358 09 01	G 82/361*	E=93,C=83,B=25			
	SK-66100	MLFPC	05 27 51.0	-66 59 00	13.2		-21	06			12 LWR	15475	L L O	021 00 83	071 21 00	G 83/074*	C=180,B=32			
	SK 66100	MLFPC	05 27 51.0	-66 59 00	13.2		-21	06			12 SWP	19450	L L O	026 00 83	071 21 28	G 83/074*	E=225,C=220,B=25			
	NGC 1987	GLOBC	05 27 54.0	-70 47 00	12.1						83 LWR	14011	L L O	425 00 82	237 18 38	V / *	309 4-MIN-HTR-WM-UP			
	WS27	WREPC	05 27 59.0	-69 13 00	13.5				WN		11 SWP	18470	L L O	020 00 82	308 11 16	G 82/308*	C=45,B=20			
HD	36705	CCEBB	05 28 36.0	-65 29 20	6.8						46 LWR	14621	H L O	040 00 82	318 08 31	G 82/320*	E=171,C=145,B=70			
HD	36705	RSEBB	05 28 36.0	-65 29 19	6.8				K2 IV		46 LWR	13068	H L O	040 00 82	112 23 37	G 82/114	E=132,C=100,B=45			
HD	36705	RSEBB	05 28 36.0	-65 29 19	6.8				K2 IV		46 SWP	16815	L L O	086 00 82	113 00 22	G 82/113	E=158,C=75,B=40			
NGC	1978	EGEJC	05 28 37.9	-66 18 59	12.8				F5		83 SWP	19390	L L O	360 00 83	063 11 48	G 83/066*	C=107,B=80			
NGC	1978	EGEJC	05 28 38.0	-66 19 10	12.8				F5		83 LWR	15424	L L O	150 00 83	063 17 52	G 83/066*	C=215,B=133			
HD	269599	GHEBS	05 28 41.9	-69 10 59	10.2				BO		23 SWP	19360	H L O	390 00 83	060 11 32	G 83/061*	C=200,B=86			
HD	269599	GHEBS	05 28 41.9	-69 11 00	10.2				BO IB		23 SWP	19379	H L O	390 00 83	062 11 46	G 83/063*	C=215,B=102			
	T AUR	CVEFC	05 28 46.5	+30 24 35	15.5						55 SWP	17635	L L O	090 00 82	221 02 50	G 82/222	E=42,C=50,B=35			
	T AUR	CVEFC	05 28 46.5	+30 24 35	15.5						55 LWR	13902	L L O	040 00 82	221 04 23	G 82/221	C=70,B=30			
	T AUR	CVEFC	05 28 46.5	+30 24 35	15.5						55 SWP	17636	L L O	090 00 82	221 05 06	G 82/221	E=44,C=53,B=35			
	K1 - 27	NPEWF	05 28 49.5	-75 40 30	15.4				PN		70 SWP	18262	L L O	075 00 82	285 22 35	G 82/287	B=28			
HD	36485	HEESS	05 29 26.9	-00 19 11	+6.9				B2 V		20 SWP	19103	H L O	008 40 83	028 02 26	G 83/028*	C=200,B=70			
HD	36485	HEESS	05 29 27.0	-00 19 11	6.9				BO		20 SWP	19120	H L O	010 00 83	029 05 04	G 83/031*	C=185,B=39			
HD	36485	HEESS	05 29 27.0	-00 19 11	6.9				BO		20 SWP	19137	H L O	010 30 83	030 06 23	G 83/032*	C=180,B=38			
HD	36485	HEESS	05 29 27.0	-00 19 11	6.9				BO		20 SWP	19150	H L O	010 30 83	031 04 44	G 83/032*	C=200,B=40			
HD	36485	HEESS	05 29 27.0	-00 19 11	6.9				BO		20 SWP	19339	H L O	010 00 83	058 05 23	G 83/059*	C=180,B=35			
BD	-07 1108	AMEJL	05 29 35.2	-07 17 28	9.9				A9 V		35 LWR	14894	L L O	020 00 82	359 04 17	G 82/361*	C=180,B=35			
HD	269619	IEEGC	05 29 36.0	-68 29	11.3				B9 IA		25 SWP	17988	L L O	011 00 82	260 09 41	G 82/260	C=210,B=61			
HD	269619	IEEGC	05 29 36.0	-68 29	11.3				B9 IA		25 LWR	14199	L L O	028 00 82	260 11 11	G 82/260	C=230,B=32			
HD	36559	AMEJL	05 29 58.6	-04 36 37	8.8				A1 V		35 LWR	14891	L L O	005 00 82	359 02 42	G 82/361*	C=2X,B=25			
	SK-71 34	MLFPC	05 30 13.5	-71 02 05	13.4		-22	W3			11 LWR	15474	L L O	021 00 83	071 19 45	G 83/074*	C=162,B=45			
HD	269644	IEEGC	05 30 18.0	-67 33	11.1				B7 IA		25 SWP	17989	L L O	040 00 82	260 11 58	G 82/260	C=1.3X,B=68			
HD	269644	IEEGC	05 30 18.0	-67 33	11.1				B7 IA		25 LWR	14200	L L O	015 00 82	260 12 44	G 82/260	C=1.2X,B=33			
HD	36606	AMEJL	05 30 18.5	-04 59 43	8.7				A2 V		35 LWR	14892	L L O	002 00 82	359 03 13	G 82/361*	C=110,B=30			
HD	36606	AMEJL	05 30 18.5	-04 59 43	8.7				A2 V		35 LWR	14893	L L O	004 00 82	359 03 45	G 82/361*	C=150,B=25			
NGC	2004	EGEJC	05 30 24.0	-67 20 41	11.7				A0		83 SWP	19405	L L O	060 00 83	065 21 06	G 83/066*	C=4X,B=51			
NGC	2004	EGEJC	05 30 24.0	-67 20 41	11.7				A0		83 LWR	15434	L L O	024 00 83	065 22 12	G 83/066*	C=1.5X,B=32			
HD	36673	RPSTD	05 30 31.3	-17 51 24	2.58	EO.04			FO IB		40 SWP	18818	L L O	003 00 82	352 21 47	G 82/354*	C=12X,B=22			
	SK-71 34	MLFPC	05 30 34.9	-71 02 05	13.4		-22	WN			11 SWP	19449	L L O	027 00 83	071 20 10	G 83/074*	E=136,C=163,B=45			
NGC	2004	EGEJC	05 30 41.6	-67 19 14	11.7				A0		83 SWP	17209	L L O	025 00 82	164 18 57	G 82/165	C=243,B=70			
NGC	2004	EGEJC	05 30 41.6	-67 19 14	11.7				A0		83 LWR	13495	L L O	020 00 82	164 19 30	G 82/165	C=1.2X,B=50			
NGC	2004	EE176	05 30 44.0	-67 19 00	9.9						83 LWR	13390	L L O	13 00 82	153 22 33	V /	501			

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	DB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC DEG	MN SC	MIN SE							YR DAY	HR MN					
NGC 2004	EE174	05 30	45.0 -67 19 00	00	9.8				83 LWP	1548	H L O	393 00	82 131 00	54	V /	305		
NGC 2004	EE176	05 30	45.0 -67 19 00	00	9.9				83 SWP	17147	H L O	430 00	82 158 22	36	V /	304		
HD	L771-138	05 30	45.0 -66 57 32	13.1	EO. 17				20 SWP	17312	L L O	016 00	82 179 21	33	G 82/181	C=110,B=20		
	36670	AMEJL	05 30 48.8 -04 23 15	3.9					35 LWR	14895	L L O	005 30	82 359 05	04	G 82/361*	C=30XX,B=30		
	L771-128	MFEGB	05 30 49.9 -66 54 24	11.9					20 SWP	17775	L L O	020 00	82 238 13	25	G 82/239	C=246,B=125		
HD	36697	AMEJL	05 30 51.6 -07 37 16	8.7				A1 V	35 LWR	13729	L L O	007 00	82 201 19	36	G 82/202	C=2X,B=28		
HD	36697	AMEJL	05 30 51.6 -07 37 16	8.7				A1 V	35 LWR	14902	L L O	004 00	82 359 09	37	G 82/361*	C=200,B=25		
	L771-130	MFEGB	05 30 54.9 -66 55 24	12.2				B V	20 SWP	17308	L L O	030 00	82 179 17	14	G 82/181	C=210,B=160		
	L771-130	MFEGB	05 30 54.9 -66 55 24	12.2				B V	20 SWP	17774	L L O	045 00	82 238 12	10	G 82/239	C=169,B=105		
	L771-130	MFEGB	05 30 54.9 -66 55 24	12.2				B V	20 SWP	17778	L L O	035 00	82 238 17	15	G 82/239	C=74,B=20		
HD	36726	AMEJL	05 31 18.1 -00 06 36	8.8				A1 V	35 LWR	14896	L L O	004 40	82 359 05	37	G 82/361*	C=215,B=30		
	L 771-94	MFEGB	05 31 27.2 -67 00 06	13.2				B V	20 SWP	17328	L L O	030 00	82 181 20	21	G 82/182	C=94,B=18		
HD	36665	IMEJR	05 31 30.0 +28 01 06	8.00	EO.64	B1			20 LWR	14748	H L O	030 00	82 333 06	28	G 82/333*	C=200,B=105		
HD	36665	IMEJR	05 31 30.0 +28 01 06	8.00	EO.64	B1			20 SWP	18686	L L O	004 00	82 333 07	03	G 82/334*	C=2X,B=40		
HD	36665	IMEJR	05 31 30.0 +28 01 06	8.00	EO.64	B1			20 LWR	14749	L L O	003 00	82 333 07	36	G 82/334*	C=2-3X,B=35		
	L771- 75	MFEGB	05 31 32.9 -67 01 54	12.5					20 SWP	17776	L L O	015 00	82 238 14	49	G 82/239	C=168,B=105		
	L771- 64	MFEGB	05 31 39.9 -66 52 59	12.8					20 SWP	17784	L L O	030 00	82 239 12	26	G 82/239	C=138,B=72		
	L 771-77	MFEGB	05 31 43.3 -67 02 24	13.2					20 SWP	17329	L L O	024 00	82 181 21	26	G 82/182	C=166,B=18		
	L 771-79	MFEGB	05 31 46.3 -67 02 15	12.3				B V	20 SWP	17307	L L O	030 00	82 179 15	59	G 82/181	C=175,B=80		
HD	36825	AMEJL	05 31 52.0 -00 47 45	8.7				A2 V	30 LWR	14897	L L O	004 00	82 359 06	12	G 82/361*	C=270,B=30		
NGC	2019	EGEJC	05 31 52.0 -70 13 00	12.8				F5	83 LWR	15095	L T O	098 00	83 023 05	59	G 83/024*	C=130,B=55		
	SK168-67	IEFBS	05 31 54.0 -67 37 30	12.1				B0 IA	23 SWP	19541	L L O	010 00	83 084 19	47	G 83/087*	C=210,B=20		
	SK168-67	IEFBS	05 31 54.0 -67 37 30	12.1				B0 IA	23 SWP	19541	L S O	015 00	83 084 20	06	G 83/087*	C=150,B=20		
	SK168-67	IEFBS	05 31 54.0 -67 37 30	12.1				B0 IA	23 LWR	15579	L L O	010 00	83 084 20	30	G 83/087*	C=225,B=30		
	SK168-67	IEFBS	05 31 54.0 -67 37 30	12.1				B0 IA	23 LWR	15579	L S O	015 00	83 084 20	52	G 83/087*	C=210,B=30		
IU ORI	EC271	05 32	08.0 -05 44 00	9.2					58 LWR	14060	L L O	30 00	82 242 18	43	V /	* 3034-MIN-HTR-WM-UP, M		
IU ORI	EC271	05 32	08.0 -05 44 00	9.2					58 SWP	17813	L L O	150 00	82 242 19	16	V /	* 302		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 LWP	1660	H L O	85 00	82 243 18	30	V /	* 403		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 SWP	17820	L L O	1 15	82 243 20	03	V /	* 401 REF PT 2, -212		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 SWP	17820	L L O	1 30	82 243 20	10	V /	* 501 REF PT -34, -204		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 SWP	17821	H L O	100 00	82 243 20	49	V /	* 501		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 LWP	1661	L L O	2 00	82 243 22	32	V /	* 502		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 SWP	17822	H L O	100 00	82 243 22	59	V /	* 502		
HD269696	EI239	05 32	08.0 -69 55 00	11.2					16 SWP	17822	H L O	100 00	82 243 22	59	V /	* 502		
	-5 1305	EA069	05 32 20.0 -05 36 00	8.0					30 LWR	14015	H L O	150 00	82 238 20	09	V /	* 5044-MIN-HTR-WM-UP, M		
	L 771-43	MFEGB	05 32 21.3 -67 01 49	11.5				B V	20 SWP	17306	L L O	030 00	82 179 14	57	G 82/181	C=142,B=73		
	L 771-43	MFEGB	05 32 21.3 -67 01 49	11.5				B V	20 SWP	17324	L L O	030 00	82 181 15	09	G 82/182	C=100,B=26		
HD	36861	MLECW	05 32 22.9 +09 54 08	3.7				08 III	12 SWP	17920	H S O	001 00	82 254 11	04	G 82/256	C=110,B=28		
HD	36861	EA087	05 32 23.0 +09 54 00	3.8					12 SWP	17934	H L O	20	82 255 16	32	V /	* 501		
HD	36861	EA087	05 32 23.0 +09 54 00	3.8					13 SWP	17968	H L O	20	82 258 19	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 P	L EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD 36861	EI273	05 32 23.0	+09 54 00	3.8			* 12	SWP 17860	H L O	30 82 249 18 45	V /	* 701		
HD 36861	EI273	05 32 23.0	+09 54 00	3.8			12	SWP 18010	H L O	20 82 261 16 50	V /	* 601		
HD 36861	EI273	05 32 23.0	+09 54 00	3.8			12	SWP 18050	H L O	20 82 264 16 40	V /	* 501		
HD 36861	EI273	05 32 23.0	+09 54 00	3.8			12	SWP 18165	H L O	20 82 273 19 15	V /	* 501		
NGC 2019	EGEJC	05 32 25.5	-70 11 33	12.8		F5	83	SWP 19073	L L O	168 00 83 024 04 53	G 83/024*	C=103,B=80		
HD 36861	EI273	05 32 28.0	+09 54 00	3.8			* 12	SWP 17901	H L O	25 82 252 19 07	V /	* 701		
HD 36861	EI273	05 32 28.0	+09 54 00	3.8			12	SWP 18096	H L O	20 82 267 16 47	V /	* 501		
ORI NEB	IMFRP	05 32 37.4	-05 27 06				72	FES 1406	D 2	160 00 83 090 19 34	G 83/084*	NO COMMENTS		
ORION 01	NSERF	05 32 44.0	-05 23 48				42	SWP 17669	L L O	010 00 82 224 15 14	G 82/225	E=116,C=130,B=55		
HD 37017	HEFSS	05 32 53.3	-04 31 30	6.6		B2 V	21	LWR 15462	L T O	000 07 83 069 22 20	G 83/073*	C=120,B=25		
HD 37017	HEFSS	05 32 53.3	-04 31 30	6.6		B2 V	21	SWP 19437	L T O	000 11 83 069 22 28	G 83/073*	C=135,B=20		
V360 ORI	TTELK	05 33 03.9	-05 11 20	12.5		K6 IV	58	LWR 14426	L L O	053 00 82 290 12 51	G 82/281*	E=107,C=75,B=34		
HD 37350	DCEES	05 33 11.3	-62 31 20	3.8		F8 IB	53	SWP 17914	L L O	210 00 82 253 23 49	G 82/256	E=218,C=6X,B=50		
HD 37350	DCEES	05 33 11.3	-62 31 20	3.8		F8 IB	53	SWP 17940	L L O	060 00 82 256 04 43	G 82/257	E=68,C=3X,B=21		
HD 37350	DCEES	05 33 11.3	-62 31 20	3.8		F8 IB	53	LWR 14164	H L O	012 00 82 256 07 29	G 82/258	E=77,C=240,B=31		
HD 37114	AMEJL	05 33 31.0	-05 24 21	9.0		A0 V	35	LWR 14899	L L O	003 20 82 359 07 26	G 82/361*	C=210,B=30		
HD 37111	AMEJL	05 33 36.2	-00 20 39	8.8		A1 V	35	LWR 14898	L L O	003 20 82 359 06 50	G 82/361*	C=190,B=30		
CS STAR	HHEKB	05 33 55.8	-06 47 28	17.0			58	SWP 18928	L L O	295 00 83 001 17 25	G 83/006*	E=72,B=65		
H-H 2	OD86B	05 33 59.6	-06 49 01	15.9			64	SWP 18157	L L O	430 00 82 273 00 39	G 82/273	E=164,C=110,B=85		
PI 2441	EC271	05 34 23.0	-04 27 00	10.8			58	LWR 14061	L L O	30 00 82 242 22 27	V /	* 352 4-MIN-HTR-WM-UP		
PI 2441	EC271	05 34 23.0	-04 27 00	10.8			58	SWP 17814	L L O	165 00 82 242 23 03	V /	* 222		
L772-131	MFEGB	05 34 25.5	-67 03 11	9.74	EO.17	A0 IB	20	SWP 17309	L L O	010 00 82 179 18 24	G 82/181	C=190,B=103		
L772-131	MFEGB	05 34 25.6	-67 03 12	9.7			20	LWR 14014	L L O	015 00 82 238 13 59	G 82/239	C=2X,B=70		
L772-89	MFEGB	05 34 29.9	-67 00 49	12.4			20	SWP 17783	L L O	030 00 82 239 10 47	G 82/239	C=124,B=40		
L772-131	MFEGB	05 34 35.5	-67 03 11	9.7			20	LWR 14022	L L O	010 00 82 239 14 59	G 82/239	C=1.5X,B=50		
L772-076	MFEGB	05 34 37.3	-67 00 13	10.8	EO.17	B0	20	SWP 17310	L L O	020 00 82 179 19 05	G 82/181	C=156,B=90		
L772-076	MFEGB	05 34 37.4	-67 00 13	10.8			20	SWP 17773	L L O	040 00 82 238 10 47	G 82/239	C=180,B=83		
HD 37202	EA166	05 34 39.0	+21 07 00	2.8			26	SWP 17842	H S C	40 82 245 23 12	V /	* 611		
HD 37202	EA166	05 34 39.0	+21 07 00	2.8			26	LWR 14078	H S C	50 82 245 23 15	V /	* 712		
HD 37202	MLERH	05 34 39.3	+21 06 50	3.0		B2 III	60	SWP 18114	H S O	000 40 82 269 09 51	G 82/271	C=230,B=35		
HD 37202	MLERH	05 34 39.3	+21 06 50	3.0		B2 III	60	LWR 14266	H S O	000 40 82 269 09 55	G 82/270	E=200,C=1.1X,B=34		
HD 37202	MLERH	05 34 39.3	+21 06 50	3.0		B2 III	60	SWP 18115	H S O	000 40 82 269 10 48	G 82/271	C=210,B=32		
HD 37202	MLERH	05 34 39.3	+21 06 50	3.0		B2 III	60	LWR 14267	H S O	000 35 82 269 10 53	G 82/271	E=160,C=220,B=30		
L 772-38	MFEGB	05 34 44.1	-66 56 17	13.0		B V	20	SWP 17325	L L O	045 00 82 181 16 21	G 82/182	E=1.2X,C=1.2X,B=57		
BF ORION	OD72B	05 34 46.9	-06 36 46	9.7		A1	30	LWR 14105	L L O	030 00 82 250 01 04	G 82/250	E=151,C=85,B=30		
BF ORION	OD72B	05 34 46.9	-06 36 46	9.7		A1	30	SWP 17863	L L O	370 00 82 250 01 39	G 82/250	E=196,C=180,B=72		
HD 37303	MLEPB	05 35 00.6	-05 58 02	6.0		B1 V	20	SWP 19337	H L O	002 40 83 058 04 11	G 83/060*	C=185,B=35		
L961-1	MFEGB	05 35 33.6	-69 30 38	12.7			20	SWP 17786	L L O	030 00 82 239 15 47	G 82/239	E=161,C=167,B=67		
N63 A	EM126	05 35 41.0	-66 04 00	99.9			75	SWP 18545	H L O	45 00 82 317 13 11	V /	* 121		
N63 A	EM126	05 35 41.0	-66 04 00	99.9			75	SWP 18546	H L O	330 00 82 317 14 16	V /	* 152		

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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
A0538-66	EM242	05 35 42.0	-66 54 00	13.2			59	LWR 13615	L L 0	30 00	82 186 20 57	V /	* 402	
A0538-66	EM242	05 35 42.0	-66 54 00	13.2			59	SWP 17365	L L 0	60 00	82 186 21 32	V /	* 441	
0538-66	EIO87	05 35 43.0	-66 50 00	13.0			59	SWP 18186	H L 0	60 00	82 275 15 32	V /	* 401	
0538-669	EI273	05 35 43.0	-66 54 00	13.5			59	SWP 18167	L L 0	62 00	82 273 22 04	V /	* 301	TWO STARS IN APE
0538-66	EI273	05 35 43.0	-66 54 00	14.0			22	LWR 14384	L L 0	30 00	82 284 16 44	V /	* 303	4-MIN-HTR, MN=76
0538-66	EI273	05 35 43.0	-66 54 00	14.0			22	SWP 18260	L L 0	40 00	82 284 17 21	V /	* 300	
0538-66A	EM242	05 35 43.0	-66 54 00	13.5			13	SWP 17371	L L 0	40 00	82 187 22 50	V /	* 501	STAR A IN A0538 F
L 772-14	MFEG8	05 35 43.0	-66 53 53	13.5		B V	20	SWP 17327	L L 0	045 00	82 181 18 52	G 82/182	C=238,B=60	
HH43	HHERS	05 35 45.3	-07 11 03	16.5			76	SWP 17522	L L 0	390 00	82 211 04 34	G 82/214	C=150,B=112	
L 772-17	MFEG8	05 35 45.8	-66 52 08	12.9			20	SWP 17326	L L 0	030 00	82 181 17 53	G 82/182	C=208,B=85	
L 772-12	MFEG8	05 35 47.0	-66 54 42	12.3	EO.17		20	SWP 17311	L L 0	030 00	82 179 20 16	G 82/181	C=179,B=20	
HD 245770	CVECW	05 35 48.0	+26 17 18	9.4		B7 III	26	SWP 18248	L L 0	039 00	82 284 03 17	G 82/284	C=1.5X,B=25	
HD 245770	CVECW	05 35 48.0	+26 17 18	9.4		B7 III	26	LWR 14378	L L 0	004 00	82 284 03 41	G 82/284	C=195,B=33	
HD 245770	CVECW	05 35 48.0	+26 17 18	9.4		B7 III	26	LWR 14379	L L 0	033 00	82 284 04 28	G 82/284	C=3X,B=28	
L961- 03	MFEG8	05 35 48.2	-69 32 22	12.0			20	SWP 17785	L L 0	015 00	82 239 14 29	G 82/239	C=231,B=105	
L772- 3	MFEG8	05 35 53.9	-66 52 32	13.4		B V	20	SWP 17787	L L 0	045 00	82 239 17 02	G 82/243	C=244,B=26	
SK126-68	IEFBS	05 35 54.0	-69 00 00	12.6		B2 IA	23	SWP 19550	L L 0	060 00	83 085 19 19	G 83/087*	C=180,B=21	
SK126-68	IEFBS	05 35 54.0	-69 00 00	12.6		B2 IA	23	LWR 15585	L L 0	026 40	83 085 20 25	G 83/087*	C=180,B=30	
WS37	WREPC	05 36 03.0	-67 04 40	14.5		WN	11	LWR 13345	L L 0	021 00	82 149 23 28	G 82/152	C=95,B=32	
WS37	WREPC	05 36 03.0	-67 04 40	14.5		WN	11	SWP 18469	L L 0	015 00	82 308 09 26	G 82/308*	E=210,C=85,B=35	
WS37	WREPC	05 36 03.0	-67 04 40	14.5		WN	11	LWR 14560	L L 0	025 00	82 308 09 48	G 82/308*	E=137,C=110,B=55	
L 94-4	MFEG8	05 36 05.2	-69 31 06	11.9			20	SWP 17777	L L 0	020 00	82 238 16 01	G 82/239	E=2X,C=2X,B=56	
NGC 2041	EGEJC	05 36 10.0	-67 01 00	12.3		A5	83	SWP 19391	L L 0	060 00	83 063 20 42	G 83/066*	C=190,B=106	
NGC 2041	EGEJC	05 36 10.0	-67 01 00	12.3		A5	83	LWR 15425	L L 0	060 00	83 063 21 47	G 83/066*	C=195,C=59	
NGC 2041	EGEJC	05 36 26.2	-67 01 05	12.3		A5	83	SWP 17210	L L 0	045 00	82 164 20 12	G 82/165	C=112,B=40	
NGC 2041	EGEJC	05 36 26.2	-67 01 05	12.3		A5	83	LWR 13496	L L 0	044 00	82 164 21 00	G 82/166	C=145,B=32	
HD 37490	MLECW	05 36 32.5	+04 05 40	4.5		B3 III	24	SWP 18250	H L 0	002 10	82 284 07 34	G 82/286	C=230,B=40	
HD 37490	MLECW	05 36 32.5	+04 05 40	4.5	EO.05	B3 III	26	SWP 19047	H L 0	002 10	83 020 07 37	G 83/020*	C=230,B=40	
HD 37490	MLECW	05 36 32.5	+04 05 40	4.5		B3 III	24	SWP 19364	H L 0	002 10	83 061 00 44	G 83/061*	C=230,B=40	
HD 37490	MLECW	05 36 32.5	+04 05 40	4.5		B3 III	24	SWP 18428	H L 0	002 10	83 068 22 58	G 83/084*	C=234,B=41	
HD 37490	ODO1K	05 36 32.5	+04 05 40	04.5		B3 III	24	SWP 19526	H L 0	002 10	83 083 00 35	G 83/083*	C=250,B=62	
HD 37490	PHCAL	05 36 32.5	+04 05 40	4.5		B3 III	24	FES 1375	D 2	160 00	82 237 11 07	G 82/239		
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17764	H L 0	002 00	82 237 09 36	G 82/238	C=210,B=40	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17882	H L 0	002 10	82 251 15 35	G 82/252	C=250,B=50	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17919	H L 0	002 10	82 254 10 15	G 82/256	C=240,B=45	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17952	H L 0	002 10	82 257 10 34	G 82/258	C=240,B=40	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17977	H L 0	002 10	82 259 10 22	G 82/259	C=250,B=40	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17997	H L 0	002 10	82 261 07 19	G 82/263	C=240,B=40	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 17998	H L 0	002 10	82 261 07 51	G 82/263	C=240,B=40	
HD 37490	MLECW	05 36 32.6	+04 05 41	4.5		B3 III	24	SWP 18006	H L 0	002 10	82 261 13 40	G 82/263	C=1.1X,B=42	



OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS						
		HR	MN	SEC	DEG	MN	SC								YR	DAY	HR				MN					
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18021	H	L	0	002	10	82	262	11	12	G	82/263	C=240,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18033	H	L	0	002	10	82	263	08	57	G	82/264	C=245,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18036	H	L	0	002	10	82	263	11	17	G	82/264	C=255,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18071	H	L	0	002	10	82	266	08	24	G	82/266	C=250,B=45
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18075	H	L	0	002	10	82	266	11	06	G	82/266	C=1.1X,B=62
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18076	H	L	0	001	50	82	266	11	34	G	82/266	C=250,B=75
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18124	H	L	0	002	10	82	270	08	20	G	82/271	C=240,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18128	H	L	0	002	10	82	270	11	16	G	82/271	C=240,B=41
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18129	H	L	0	002	10	82	270	11	48	G	82/271*	C=240,B=42
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18181	H	L	0	002	10	82	275	11	45	G	82/277	C=240,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18184	H	L	0	002	10	82	275	13	48	G	82/277*	C=240,B=38
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18205	H	L	0	002	10	82	278	06	53	G	82/278	C=230,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18208	H	L	0	002	10	82	278	09	58	G	82/278	C=255,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18230	H	L	0	002	10	82	280	10	49	G	82/285*	C=245,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18234	H	L	0	002	10	82	280	13	48	G	82/285	C=245,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18274	H	L	0	002	10	82	287	06	26	G	82/287*	C=240,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18316	H	L	0	002	10	82	291	06	28	G	82/291*	C=240,B=40
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18346	H	L	0	002	10	82	294	08	43	G	82/294*	C=241,B=45
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18347	H	L	0	002	10	82	294	09	11	G	82/294*	C=245,B=48
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18348	H	L	0	002	10	82	294	09	41	G	82/294*	C=240,B=49
HD	37490	MLECW	05	36	32.6	+04	05	41	4.5	B3	III	24	SWP	18496	H	L	0	002	10	82	311	13	23	G	82/312*	C=240,B=42
HD	37490	MLECW	05	36	32.6	+04	05	41	4.50	B3	III	24	SWP	19463	H	L	0	002	10	83	074	18	37	G	83/075*	C=240,B=42
HD	37490	EIO87	05	36	33.0	+04	06	00	4.5			24	SWP	18185	H	L	0	2	10	82	275	14	50	V	/	* 501
HD	37490	EI273	05	36	33.0	+04	06	00	4.5			26	SWP	18259	H	L	0	2	10	82	284	15	46	V	/	* 501
R 127		EIO12	05	37	06.0	-69	32	00	10.1			52	LWR	14712	H	L	0	372	22	82	328	12	47	V	/	* 508 OFFSET,4-MIN-HTR
R 127		EIO12	05	37	06.0	-69	32	00	10.1			52	SWP	18649	L	L	0	5	00	82	328	19	04	V	/	* 300
R 127		EIO12	05	37	06.0	-69	32	00	10.1			52	LWR	14713	L	L	0	10	00	82	328	19	35	V	/	* 503 4-MIN-HTR
R127		EA025	05	37	10.0	-69	31	00	99.9			52	SWP	18789	L	L	0	15	00	82	347	11	44	V	/	* 501
R127		EA025	05	37	10.0	-69	31	00	99.9			52	LWR	14829	L	L	0	10	00	82	347	12	04	V	/	* 701 GOOD FOR<2475 >3
R127		EA025	05	37	10.0	-69	31	00	99.9			52	SWP	18790	H	L	0	283	00	82	347	12	38	V	/	* 303
R127		EA025	05	37	10.0	-69	31	00	99.9			52	LWR	14830	L	L	0	5	30	82	347	14	50	V	/	* 501
S128/LMC		HLESS	05	37	11.9	-69	31	00	11.2	BO	IA	13	LWR	15407	L	L	0	006	00	83	061	21	25	G	83/062*	E=247,C=1.5X,B=26
S128/LMC		HLESS	05	37	11.9	-69	31	00	11.2	BO	IA	13	SWP	19372	L	L	0	010	00	83	061	21	38	G	83/062*	C=185,B=19
HD	37394	CCFDS	05	37	16.7	+53	27	47	6.23	K1	V	46	LWR	15505	L	L	0	030	00	83	075	22	05	G	83/076*	C=15X,B=65
HD	37394	CCFDS	05	37	16.7	+53	27	47	6.23	K1	V	46	LWR	15517	H	L	0	055	00	83	077	17	17	G	83/080*	E=204,C=125,B=40
0537-441		EE082	05	37	20.0	-44	07	00	15.5			87	LWR	14687	L	L	0	160	00	82	325	12	30	V	/	* 306 4-MIN-HTR
0537-441		UK370	05	37	21.0	-44	07	00	14.0			85	SWP	16829	L	L	0	402	00	82	115	03	05	V	/	203
HD	269902	IEEGC	05	38	18.0	-69	07		10.2	AO	IA	32	LWR	14196	L	L	0	015	00	82	259	23	59	G	82/260	C=218,B=26
HD	269902	IEEGC	05	38	18.0	-69	07		10.2	AO	IA	32	SWP	17985	L	L	0	040	00	82	260	00	20	G	82/260	C=95,B=26
HD	269902	IEEGC	05	38	18.0	-69	07		10.2	AO	IA	32	SWP	17991	L	L	0	049	00	82	260	15	00	G	82/260	C=118,B=26



OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L EXPOSE TIME	OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS	
		HR	MIN	SEC								DEG	MIN	SEC				YR
HD	38052	AMEJL	05 40	13.5	-06 51 42	9.5		A7	V			31 LWR	14901	L L O	008 00	82 359 08 53	G 82/361*	C=135, B=25
	SK265-69	IEFBS	05 41	12.0	-69 18 30	11.9		B3	IA			24 SWP	19560	L L O	070 00	83 086 19 10	G 83/087*	C=180, B=28
HD	269997	IEEGC	05 41	30.0	-69 06	11.3		B3	IA			24 LWR	13467	L L O	020 00	82 161 15 52	G 82/162	C=245, B=32
HD	269997	IEEGC	05 41	30.0	-69 06	11.3		B3	IA			24 SWP	17184	L L O	043 00	82 161 16 22	G 82/162	C=185, B=35
	S 147	IMEJR	05 41	49.5	+28 23 24	0.0						75 SWP	19473	L L O	390 00	83 076 11 18	G 83/077*	B=90
	N2100 C1	HSEPH	05 42	18.9	-69 15 16	12.0	EO.06	A1				32 SWP	17108	L L O	030 00	82 154 13 41	G 82/155	E=132, C=146, B=118
	N2100 C1	HSEPH	05 42	19.0	-69 15 17	12.0		A1				32 LWR	13394	L L O	030 00	82 154 13 05	G 82/154	E=119, C=110, B=45
	NGC 2100	VILSP	05 42	23.0	-69 15 00	9.6						83 SWP	17575	H L O	359 00	82 215 18 51	V / *	304
	B01	HSEPH	05 42	23.5	-69 15 35	11.8		B6	IB			25 LWR	13372	H L O	263 00	82 152 08 10	G 82/153	C=150, B=80
	N2100 B1	HSEPH	05 42	23.5	-69 15 35	11.8		B6	IB			25 LWR	13373	L L O	030 00	82 152 13 05	G 82/154	C=215, B=55
	N2100 B1	HSEPH	05 42	23.5	-69 15 35	11.8		B6	IB			25 SWP	17107	H L O	300 00	82 154 07 53	G 82/154	C=140, B=80
	SK282-69	IEFBS	05 42	24.0	-69 02 30	12.1		B1	IA			23 SWP	19543	L L O	033 20	83 084 23 17	G 83/087*	C=165, B=22
	SK282-69	IEFBS	05 42	24.0	-69 02 30	12.1		B1	IA			23 LWR	15581	L L O	016 40	83 084 23 56	G 83/087*	C=200, B=33
	SK282-69	IEFBS	05 42	24.0	-69 03 00	12.1		B1	IA			23 LWR	15581	L S O	016 40	83 085 00 19	G 83/087*	C=140, B=33
NGC	2100	EGEJC	05 42	25.5	-69 13 57	11.8		A0				83 SWP	17208	L L O	045 00	82 164 17 27	G 82/165	C=202, B=80
NGC	2100	EGEJC	05 42	25.5	-69 13 57	11.8		A0				83 LWR	13494	L L O	030 00	82 164 18 16	G 82/165	C=242, B=58
	B27	HSEPH	05 42	26.9	-69 14 53	12.2		B5	II			24 SWP	17089	L L O	030 00	82 152 13 52	G 82/154	C=190, B=147
	B27	HSEPH	05 42	26.9	-69 14 53	12.2		B5	II			24 LWR	13374	L L O	030 00	82 152 14 33	G 82/154	C=225, B=126
	FU ORI	EC125	05 42	38.0	+09 03 00	9.0						58 LWR	14351	L L O	10 00	82 280 21 39	V / *	232 MN=315
	FU ORION	PMECI	05 42	38.1	+09 03 01	9.5		F5	II			58 LWR	13936	L L O	040 00	82 225 13 02	G 82/225	E=228, C=140, B=72
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 SWP	17674	L L O	410 00	82 225 02 44	G 82/225	E=106, B=93
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 LWR	13933	H L O	060 00	82 225 09 40	G 82/225	C=110, B=81
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 SWP	17675	L L O	030 00	82 225 10 46	G 82/225	C=85, B=72
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 LWR	13934	L L O	015 00	82 225 11 21	G 82/225	E=138, C=80, B=40
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 LWR	13935	L L O	025 00	82 225 12 08	G 82/225	E=146, C=100, B=52
	FU ORION	PMECI	05 42	38.2	+09 03 02	9.5		F5	II			58 LWR	13943	H L O	420 00	82 226 02 30	G 82/229	E=186, C=180, B=108
	SK155-68	IEFBS	05 43	18.0	-68 58 30	12.7		B0	IA			23 SWP	19542	L L O	050 00	83 084 21 37	G 83/087*	C=167, B=22
	SK155-68	IEFBS	05 43	18.0	-68 58 30	12.7		B0	IA			23 LWR	15580	L L O	026 40	83 084 22 32	G 83/087*	C=190, B=31
HD	38666	PHCAL	05 44	08.0	-32 19 00	5.2						12 LWP	1510	L L O	2 32	82 095 02 47	V /	502 TRAIL R=8.62
HD	38666	PHCAL	05 44	08.0	-32 19 00	5.2						12 LWP	1511	H L O	41 82	095 03 20	V /	503
HD	38666	IGEJS	05 44	08.3	-32 19 27	5.2			IV			12 LWR	13648	H L O	000 50	82 191 14 39	G 82/193	C=205, B=33
HD	38666	PHCAL	05 44	08.4	-32 19 27	5.2	EO.02	O9	IV			12 LWP	1508	L T O	000 02	82 091 00 48	G 82/092	C=203, B=35
HD	38666	PHCAL	05 44	08.4	-32 19 27	5.2	EO.02	O9	IV			12 LWP	1509	H T O	000 41	82 091 01 24	G 82/092	C=229, B=43
	SK256-67	IEFBS	05 44	36.0	-67 16 30	11.9		B1	IA			23 SWP	19544	L L O	017 20	83 085 01 02	G 83/087*	C=200, B=22
	SK256-67	IEFBS	05 44	36.0	-67 16 30	11.9		B1	IA			23 SWP	19544	L S O	018 20	83 085 01 25	G 83/087*	C=110, B=22
	SK256-67	IEFBS	05 44	36.0	-67 16 30	11.9		B1	IA			23 LWR	15582	L L O	010 00	83 085 01 50	G 83/087*	C=195, B=28
	LMC ANON	ZAEMK	05 46	02.5	-71 17 12	17.0		M	III			57 SWP	18315	L L O	295 00	82 291 00 56	G 82/291*	E=114, B=66
	LMC ANON	ZAEMK	05 46	02.6	-71 17 13	17.0		M	III			57 LWR	14428	L L O	120 00	82 290 22 54	G 82/291*	E=83, C=62, B=35
HR	2035	CCETA	05 49	10.0	-20 53	3.8		G8	III			45 LWR	12936	H L O	200 00	82 093 15 25	G 82/095	E=5X, C=10X, B=80
HR	2035	CCETA	05 49	10.0	-20 53	3.8		G8	III			45 LWR	12937	H L O	050 00	82 093 19 17	G 82/095	E=255, C=1.5X, B=50

OBJECT ID	PROG ID	TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC								RA DEG	DEC MN SC	YR			
HR	2035	CCETA	05 49 10.0	-20 53	3.8	G8 III	45	LWR 12941	H L 0	030 00	82 093 23 45	G 82/096	E=190,C=230,B=45			
PG	0549+159	WDECB	05 49 36.0	+15 53	0.0	05 WD	37	SWP 18272	H L 0	005 00	82 286 22 49	G 82/287*	C=220,B=22			
PG	0549+159	WDECB	05 49 36.0	+15 53	0.0	05 WD	37	LWR 14402	L L 0	015 00	82 286 23 13	G 82/287*	C=190,B=25			
PG	0549+159	WDECB	05 49 36.0	+15 53	0.0	05 WD	37	SWP 18273	H L 0	0370 00	82 286 23 41	G 82/287*	C=180,B=95			
CN ORI	EIO79	EIO79	05 49 40.0	-05 26 00	12.6		54	LWR 14680	L L 0	20 00	82 324 19 12	V / *	401 MN=583			
CN ORI	EIO79	EIO79	05 49 40.0	-05 26 00	12.6		54	SWP 18611	L L 0	7 00	82 324 19 40	V / *	301			
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	33	SWP 18521	L L 0	045 00	82 314 07 42	G 82/314*	E=62,C=1.5X,B=38				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	33	LWR 14596	H L 0	015 00	82 314 08 33	G 82/314*	E=204,C=1.1X,B=33				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4		44	SWP 18537	L L 0	060 00	82 316 08 52	G 82/316*	E=115,C=2X,B=73				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4		44	LWR 14608	H L 0	015 00	82 316 09 59	G 82/316*	E=210,C=1.1X,B=32				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4		44	SWP 18543	L L 0	060 00	82 317 08 14	G 82/319*	E=147,C=2X,B=93				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4	G5	44	LWR 14616	H L 0	015 00	82 317 09 19	G 82/319*	E=233,C=1.2X,B=40				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4	G5	44	SWP 18551	L L 0	045 00	82 318 05 10	G 82/320*	E=65,C=1.5X,B=40				
X ORI	LDETS	05 51 25.2	+20 16 07	4.4		44	LWR 14619	H L 0	015 00	82 318 06 01	G 82/319*	E=212,C=1.2X,B=33				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	LWR 14627	H L 0	015 00	82 319 04 30	G 82/319*	E=218,C=1.1X,B=33				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	SWP 18558	L L 0	060 00	82 319 04 51	G 82/319*	E=98,C=2X,B=50				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	SWP 18564	L L 0	045 00	82 320 03 27	G 82/320*	E=76,C=2X,B=45				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	LWR 14639	H L 0	015 00	82 320 04 18	G 82/320*	E=236,C=1.5X,B=35				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	SWP 18584	L L 0	045 00	82 322 08 31	G 82/322*	E=136,C=2X,B=90				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	LWR 14661	H L 0	015 00	82 322 09 20	G 82/322*	E=227,C=2X,B=44				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	LWR 14674	H L 0	015 00	82 324 07 50	G 82/326*	E=231,C=1.5X,B=40				
CHI1 ORI	LDETS	05 51 25.2	+20 16 07	4.4	GO V	44	SWP 18606	L L 0	045 00	82 324 08 11	G 82/326*	E=105,C=2-3X,B=70				
HD	39777	BLEDW	05 52 05.6	-04 04 20	*6.5	EO.0 B1 V	20	SWP 16881	H L 0	006 20	82 121 15 36	G 82/123	C=210,B=40			
HD	39801	CCEJL	05 52 27.6	+07 23 56	0.8	M IAB	49	LWR 14673	H L 0	035 00	82 324 06 34	G 82/326*	E=4-5X,C=230,B=44			
HD	39801	CCEJL	05 52 27.7	+07 23 57	0.8		49	LWR 14615	H L 0	013 00	82 317 07 45	G 82/319*	E=5X,C=160,B=33			
HD	39801	EC232	05 52 28.0	+07 24 00	0.8		49	SWP 17725	H L 0	0370 00	82 232 18 53	V / *	132			
IC2149	NPEJH	05 52 35.9	+46 07	11.0		70	SWP 16745	L L 0	007 00	82 100 23 43	G 82/102	E=165,C=180,B=20				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	SWP 16742	H L 0	0420 00	82 100 10 55	G 82/101	E=5X,C=220,B=100				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	LWR 13000	L L 0	030 00	82 100 18 06	G 82/101	E=149,C=120,B=30				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	SWP 16743	L L 0	045 00	82 100 18 41	G 82/102	E=174,C=60,B=25				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	LWR 13001	L L 0	020 00	82 100 19 32	G 82/102	C=3X,B=28				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	SWP 16744	L L 0	020 00	82 100 20 06	G 82/102	E=5-10X,C=3X,B=22				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	LWR 13002	L L 0	0180 00	82 100 20 37	G 82/102	E=149,C=165,B=60				
IC2149	NPEJH	05 52 36.0	+46 07	11.0		70	LWR 13003	L L 0	007 00	82 101 00 19	G 82/102	C=220,B=25				
IC	2149	EA254	05 52 41.0	+46 06 00	11.0		70	LWR 14220	L L 0	6 00	82 263 18 52	V / *	502 4-MIN-HTR, MN=82			
HD	40111	IGEJS	05 54 53.4	+25 56 59	4.8	B1 IB	23	SWP 18943	H L 0	002 20	83 004 06 17	G 83/007*	C=220,B=40			
HD	40111	IGEJS	05 54 53.4	+25 56 59	4.8	B1 IB	23	LWR 14990	H L 0	001 10	83 004 06 23	G 83/007*	C=200,B=32			
HD	40111	IGEJS	05 54 53.4	+25 56 59	4.8	B1 IB	23	LWR 14991	H L 0	001 10	83 004 06 53	G 83/007*	C=200,B=32			
HD	40535	DSERP	05 56 38.3	-09 23 06	6.3	F2 II	53	LWR 14150	L L 0	001 00	82 255 08 22	G 82/256	C=1.5X,B=22			
HD	40535	DSERP	05 56 38.3	-09 23 06	6.3	F2 II	53	LWR 14150	L S 0	001 00	82 255 08 29	G 82/256	C=155,B=22			





OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXP		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY			
RR	PIC CBECW	06 35 10.9	-62 35 47	12.8	B3	V	55 LWR 13999	L M 0	030 00	82 235 16 05	G	82/236	C=210,B=40							
RR	PIC CBECW	06 35 10.9	-62 35 47	12.8	B3	V	55 SWP 17752	L M 0	030 00	82 235 16 53	G	82/236	E=192,C=150,B=20							
RR	PIC CBECW	06 35 10.9	-62 35 47	12.8	B3	V	55 LWR 14000	L L 0	011 00	82 235 17 39	G	82/236	C=150,B=25							
HD	261021 IEEBS	06 35 13.9	+03 39 37	9.5	B0	IV	20 LWR 15420	L L 0	012 00	83 063 01 19	G	83/063*	C=230,B=45							
SAO	114167 IEEBS	06 35 23.4	+03 44 50	9.5	K5	IV	46 SWP 17906	L L 0	032 00	82 253 11 05	G	82/253	B=72							
SAO	114167 IEEBS	06 35 23.4	+03 44 50	9.5	K5	IV	46 LWR 14138	L L 0	013 00	82 253 11 43	G	82/253	E=148,C=120,B=35							
R MON	EC223	06 36 26.0	+08 47 00	0.9			44 LWR 13006	L L 0	140 00	82 102 02 31	V	/	342							
R MON	EC223	06 36 26.0	+08 47 00	0.9			44 SWP 16749	L L 0	180 00	82 102 04 54	V	/	201							
NGC 2261	EC223	06 36 26.0	+08 47 00	0.0			73 LWR 13007	L L 0	87 00	82 102 08 06	V	/	202							
HD	48097 EA115	06 39 30.0	+17 42 00	5.2			30 LWR 14647	L L 0	12 82	320 18 39	V	/	* 502 4-MIN-HTR							
HD	48097 EA115	06 39 30.0	+17 42 00	5.2			30 SWP 18572	H L 0	18 00	82 320 18 42	V	/	* 500							
HD	48097 EA115	06 39 30.0	+17 42 00	5.2			30 LWR 14648	H L 0	13 00	82 320 19 12	V	/	* 502 4-MIN-HTR							
HD	48097 EA115	06 39 30.0	+17 42 00	5.2			30 SWP 18573	L L 0	2 40	82 320 19 38	V	/	* 700							
HL CMA	CVFJR	06 43 03.1	-16 48 22	12.1			54 SWP 19474	L L 0	020 00	83 076 19 08	G	83/077*	E=127,C=180,B=59							
HL CMA	CVFJR	06 43 03.1	-16 48 22	12.1			54 LWR 15513	L L 0	030 00	83 076 19 33	G	83/077*	C=1.5X,B=77							
HL CMA	CVFJR	06 43 03.1	-16 48 22	12.1			54 SWP 19475	L S 0	030 00	83 076 20 10	G	83/077*	C=185,B=112							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.4			54 SWP 19485	L L 0	020 00	83 078 00 06	G	83/080*	E=183,C=140,B=64							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.4			54 SWP 19485	L S 0	040 00	83 078 00 32	G	83/080*	E=183,C=150,B=64							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.4			54 LWR 15519	L L 0	010 00	83 078 01 20	G	83/080*	E=150,C=112,B=30							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.7			54 SWP 19490	L L 0	030 00	83 079 00 05	G	83/080*	E=182,C=156,B=78							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.7			54 LWR 15521	L L 0	025 00	83 079 00 41	G	83/080*	E=200,C=185,B=50							
HL CMA	CVFJR	06 43 03.4	-16 48 24	12.7			54 SWP 19491	L S 0	023 00	83 079 01 12	G	83/080*	E=82,C=83,B=47							
HL CMA	CVFJR	06 43 03.5	-16 48 25	12.1			54 LWR 15514	L L 0	010 00	83 076 21 06	G	83/077*	C=150,B=42							
HD	48953 HCETA	06 43 55.8	+16 49 40	6.7	G5	IA	39 LWR 13099	L L 0	002 12	82 119 01 10	G	82/119	C=220,B=23							
HD	48953 HCETA	06 43 55.8	+16 49 40	6.7	G5	IA	39 SWP 16853	L L 0	006 00	82 119 01 17	G	82/119	C=70,B=26							
HD	48953 HCETA	06 43 55.8	+16 49 40	6.7	G5	IA	39 SWP 19019	L L 0	025 00	83 017 05 07	G	83/017*	C=215,B=44							
HD	49233 DD91B	06 44 19.9	-23 05 39	+8.7	B5		21 LWR 14799	H L 0	030 00	82 341 07 18	G	82/341*	C=185,B=40							
HD	49233 DD91B	06 44 19.9	-23 05 39	+8.7	B5		21 SWP 18749	H L 0	040 00	82 341 07 51	G	82/341*	C=185,B=45							
ST PUP	DCEEB	06 47 13.0	-37 13	9.5	A5	II	53 SWP 17031	L L 0	325 00	82 144 09 12	G	82/145	C=218,B=74							
ST PUP	DCEEB	06 47 13.0	-37 13	9.5	A5	II	53 LWR 13309	L L 0	040 00	82 144 14 42	G	82/145	E=79,C=1.2X,B=38							
ST PUP	DCEEB	06 47 13.0	-37 13	9.5	A5	II	53 LWR 13309	L S 0	016 00	82 144 15 29	G	82/145	E=79,C=108,B=32							
ST PUP	DCEEB	06 47 13.0	-37 13	9.5	A5	II	53 SWP 17041	L L 0	300 00	82 145 09 02	G	82/146	C=140,B=70							
HD	50337 CBESP	06 48 46.1	-53 33 47	0.6	A	V	39 LWR 13196	H L 0	050 00	82 128 08 46	G	82/130	E=206,C=270,B=35							
HD	50337 CBESP	06 48 46.1	-53 33 47	0.6	A	V	39 SWP 16933	L M 0	003 54	82 128 20 19	G	82/131	C=156,B=42							
HD	50337 CBESP	06 48 46.1	-53 33 47	0.6	A	V	39 LWR 14034	H L 0	052 00	82 240 10 41	G	82/242	E=206,C=1.5X,B=75							
HD	50337 CBESP	06 48 46.1	-53 33 47	0.6	A	V	39 SWP 18726	L L 0	002 00	82 338 06 57	G	82/340*	C=150,B=18							
HD	50337 CBESP	06 48 46.1	-53 33 47	0.6	A	V	39 LWR 14784	H L 0	052 00	82 338 07 05	G	82/340*	E=191,C=255,B=50							
HD	50154 DD91B	06 48 53.8	-24 20 17	8.9	B5		21 LWR 14796	H L 0	048 00	82 341 00 59	G	82/341*	C=200,B=41							
HD	50154 DD91B	06 48 53.8	-24 20 17	8.9	B5		21 SWP 18746	H L 0	060 00	82 341 01 52	G	82/341*	C=180,B=45							
HD	50646 DD91B	06 51 08.5	-24 06 15	+7.7	B3		21 LWR 14801	H L 0	010 00	82 341 09 36	G	82/342*	C=180,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
PG	0651-02	WDECB 06 51 42.2	-02 05 25	14.8		DA	37 SWP	18293	L L 0	020 00	82 288 13 00	G	82/288*	C=140,B=19
PG	0651-02	WDECB 06 51 42.2	-02 05 26	14.8		DA	37 LWR	14410	L L 0	018 00	82 288 13 31	G	82/288*	C=100,B=26
	HD50896	EA143 06 52 08.0	-23 52 00	6.9			11 SWP	18834	H L 0	5 00	82 354 10 39	V	/	* 571 HE2 VERY OVEREXP
	HD50896	EA143 06 52 08.0	-23 52 00	6.9			11 LWR	14855	H L 0	4 00	82 354 11 06	V	/	* 451
	HD50896	EA143 06 52 08.0	-23 52 00	6.9			11 SWP	18835	L L 0	4 82	82 354 11 33	V	/	* 471 N4 N5 HE2 OVEREX
	HD50896	EA143 06 52 08.0	-23 52 00	6.9			11 SWP	18835	L S 0	2 82	82 354 11 35	V	/	* 351
	HD50896	EA143 06 52 08.0	-23 52 00	6.9			11 SWP	18836	H L 0	1 00	82 354 12 30	V	/	* 251
HD	51038	OD91B 06 52 38.9	-24 51 35	+8.7		B5	21 LWR	14797	H L 0	055 00	82 341 03 06	G	82/341*	E=151,C=200,B=40
HD	51038	OD91B 06 52 38.9	-24 51 35	+8.7		B5	21 SWP	18747	H L 0	080 00	82 341 04 07	G	82/341*	C=185,B=45
HD	51208	RNEHJ 06 52 52.2	-42 18 04	6.4		NO IB	50 LWR	15374	L L 0	120 00	83 056 18 56	G	83/059*	E=241,C=190,B=110
HD	51285	NSERF 06 53 38.8	-24 36 47	+8.6		B3	21 SWP	17667	H S 0	035 00	82 224 11 27	G	82/224	C=160,B=50
HD	51285	NSERF 06 53 38.8	-24 36 47	+8.6		B3	21 LWR	13927	H S 0	035 00	82 224 12 07	G	82/224	C=160,B=42
HD	51285	NSERF 06 53 38.8	-24 36 47	+8.6		B3	21 SWP	17668	H S 0	055 00	82 224 12 46	G	82/225	C=160,B=65
HD	51285	NSERF 06 53 38.8	-24 36 47	+8.6		B3	21 LWR	13928	H S 0	050 00	82 224 13 46	G	82/225	C=255,B=80
HD	51283	OD91B 06 53 40.5	-22 52 31	+5.3		B3	21 LWR	14800	H L 0	015 00	82 341 08 45	G	82/341*	C=7X,B=82
HD	51354	GHEST 06 54 48.1	+17 58 10	7.1		B3 V	21 SWP	18937	H L 0	020 00	83 003 01 10	G	83/004*	C=245,B=65
HD	51854	OD91B 06 55 55.6	-22 48 26	+9.3		B5	21 LWR	14798	H L 0	037 00	82 341 05 42	G	82/341*	E=109,C=200,B=35
HD	51854	OD91B 06 55 55.6	-22 48 26	+9.3		B5	21 SWP	18748	H L 0	040 00	82 341 06 24	G	82/341*	C=168,B=43
HD	52973	DCEES 07 01 08.6	+20 38 43	3.9		GO IB	53 SWP	17915	L L 0	130 00	82 254 03 58	G	82/256	E=101,C=2X,B=58
HD	52973	DCEES 07 01 08.6	+20 38 43	3.9		GO IB	53 SWP	17927	L L 0	147 00	82 255 03 14	G	82/257	E=158,C=3X,B=50
HD	52973	DCEES 07 01 08.6	+20 38 43	3.9		GO IB	53 SWP	17939	L L 0	180 00	82 256 00 18	G	82/257	C=3X,B=40
HD	52973	DCEES 07 01 08.6	+20 38 43	3.9		GO IB	53 LWR	14162	L L 0	001 00	82 256 01 50	G	82/257	C=2X,B=24
HD	52973	DCEES 07 01 08.6	+20 38 43	3.9		GO IB	53 LWR	14163	H L 0	025 00	82 256 03 43	G	82/257	E=110,C=1.5X,B=33
HD	53755	MLEPB 07 03 27.9	-10 34 58	6.49		BO V	20 SWP	19334	H L 0	005 00	83 058 02 12	G	83/060*	C=145,B=45
HD	53755	MLEPB 07 03 27.9	-10 34 58	6.49		BO V	20 SWP	19344	H L 0	008 30	83 058 23 55	G	83/060*	C=190,B=40
HD	53929	BPEJJ 07 04 27.2	+04 59 21	5.9		B8	27 SWP	18960	H L 0	009 00	83 007 06 20	G	83/008*	C=195,B=35
HD	53929	BPEJJ 07 04 27.2	+04 59 21	5.9		B8	27 LWR	15011	H L 0	005 00	83 007 06 34	G	83/008*	C=180,B=32
HD	53929	BPEJJ 07 04 27.2	+04 59 21	5.9		B8	27 SWP	18961	H L 0	011 00	83 007 07 02	G	83/008*	C=220,B=39
HD	53929	BPEJJ 07 04 27.2	+04 59 21	5.9		B8	27 LWR	15012	H L 0	007 00	83 007 07 35	G	83/008*	C=210,B=32
HD	54605	RPSTD 07 06 21.4	-26 18 45				41 SWP	16800	L M 0	010 50	82 110 17 04	G	82/111	C=4X,B=22
NGC	2346	NPELA 07 06 49.1	-00 43 23	13.0			70 SWP	17850	L L 0	120 00	82 248 08 48	G	82/250	E=213,C=130,B=130
NGC	2346	NPELA 07 06 49.1	-00 43 23	13.0			70 LWR	14091	L L 0	060 00	82 248 11 23	G	82/250	C=160,B=105
NGC	2346	NPELA 07 06 49.2	-00 43 24			PN	70 SWP	16704	L L 0	040 00	82 096 21 54	G	82/097	E=223,C=210,B=178
NGC	2346	NPELA 07 06 49.2	-00 43 24			PN	70 LWR	12970	L L 0	030 00	82 096 22 38	G	82/097	C=190,B=115
NGC	2346	NPELA 07 06 49.2	-00 43 24	13.0			70 SWP	16895	L L 0	075 00	82 125 16 40	G	82/126	C=1.5X,B=230
NGC	2346	NPELA 07 06 49.2	-00 43 24	13.0			70 LWR	13172	L L 0	060 00	82 125 17 59	G	82/126	E=185,C=195,B=115
NGC	2346	NPELA 07 06 49.2	-00 43 24	13.0			70 SWP	16950	L L 0	120 00	82 133 13 06	G	82/134	E=139,C=70,B=40
	+34	1543 EAO11 07 06 58.0	+34 30 00	9.4			16 SWP	17959	H L 0	180 00	82 257 18 21	V	/	* 502
	SS CAM	RSERP 07 10 13.0	+72 58 16	10.0		G1	39 LWR	13745	L L 0	150 00	82 203 07 45	G	82/203	C=50,B=45
HD	56014	MLERH 07 12 12.9	-26 15 54	4.7		B4 V	60 SWP	18116	H S 0	003 00	82 269 11 52	G	82/271	C=1.1X,B=51



OBJECT ID	PROG ID	TARGET RA HR MN	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD	56014	MLERH 07 12 12.9	-26 15 54	4.7		B4 V	60 LWR 14268	H S 0 001	40 82 269 12 00	G 82/271	E=110,C=170,B=31			
HD	56014	MLERH 07 12 12.9	-26 15 54	4.7		B4 V	60 SWP 18117	H S 0 002	30 82 269 12 54	G 82/271	C=230,B=39			
HD	56014	MLERH 07 12 12.9	-26 15 54	4.7		B4 V	60 LWR 14269	H S 0 002	20 82 269 13 02	G 82/271	E=220,C=250,B=34			
HD	57061	IGEJS 07 16 38.0	-24 51 43	4.4		09 IB	13 LWR 13647	H L 0 000	50 82 191 14 03	G 82/193	C=255,B=35			
HD	57061	IGEJS 07 16 38.0	-24 51 43	4.4		09 IB	13 LWR 14999	H L 0 000	40 83 005 06 17	G 83/009*	C=220,B=34			
HD	57061	IGEJS 07 16 38.0	-24 51 43	4.4		09 IB	13 SWP 18949	H L 0 001	25 83 005 06 21	G 83/009*	C=3X,B=54			
HD	57118	SGEBM 07 16 50.2	-19 11 15	6.1		FO IAB	40 SWP 17120	L L 0 010	00 82 155 14 31	G 82/158	C=140,B=88			
HD	57118	SGEBM 07 16 50.2	-19 11 15	6.1		FO IAB	40 LWR 13408	L L 0 002	00 82 155 14 57	G 82/155	C=150,B=30			
HD	56986	0D82B 07 17 08.2	+22 04 33	3.50		F2 IV	40 SWP 18914	L S 0 002	00 82 365 06 10	G 83/006*	C=3X,B=42			
HD	56986	0D82B 07 17 08.2	+22 04 33	3.50		F2 IV	40 SWP 18914	L L 0 007	00 82 365 06 19	G 83/006*	C=10X,B=42			
HD	56986	0D82B 07 17 08.2	+22 04 33	3.50		F2 IV	40 LWR 14969	H L 0 004	00 82 365 06 30	G 83/006*	C=220,B=42			
HD	57167	CBEDL 07 17 09.0	-16 17 30	5.7		A9 V	13 LWR 13964	L S 0 001	00 82 228 12 35	G 82/229	C=230,B=30			
HD	57167	CBEDL 07 17 09.0	-16 17 30	5.7		A9 V	13 SWP 17708	L S 0 003	00 82 228 12 39	G 82/229	C=225,B=32			
HD	57167	CBEDL 07 17 09.0	-16 17 30	5.7		A9 V	13 SWP 17708	L L 0 004	00 82 228 12 46	G 82/229	C=150,B=32			
HD	57167	CBEDL 07 17 09.0	-16 17 30	5.7		A9 V	13 LWR 13964	L L 0 001	30 82 228 12 53	G 82/229	C=2X,B=30			
-44	3318	EA069 07 17 56.0	-44 30 00	10.0			40 SWP 17779	L L 0 60	00 82 238 18 36	V /	* 341			
-44	3318	EA069 07 17 56.0	-44 30 00	10.0			40 LWR 14023	L L 0 90	00 82 239 18 22	V /	* 7044-MIN-HTR-WM-UP,M			
-44	3318	EA069 07 17 56.0	-44 30 00	10.0			40 SWP 17788	L L 0 110	00 82 239 19 55	V /	* 551			
-44	3318	EA069 07 17 56.0	-44 30 00	10.0			40 LWR 14025	L L 0 15	00 82 239 21 49	V /	* 342 4-MIN-HTR-WM-UP			
BS	135	EC125 07 17 57.0	-44 30 00	10.0			40 LWR 14348	L L 0 60	00 82 280 14 47	V /	* 793 4-MIN-HTR, MN=763			
BS	135	EC125 07 17 57.0	-44 30 00	10.0			40 SWP 18235	L L 0 120	00 82 280 15 53	V /	* 501			
BS	135	EC125 07 17 57.0	-44 30 00	10.0			40 LWR 14349	L L 0 30	00 82 280 17 57	V /	* 583 4-MIN-HTR			
BS	135	EC125 07 17 57.0	-44 30 00	10.0			40 SWP 18236	L L 0 130	00 82 280 18 32	V /	* 401			
BS	135	EC125 07 17 57.0	-44 30 00	10.0			40 LWR 14350	L L 0 10	00 82 280 20 45	V /	* 342 MN=535, EARTH LIG			
A	20	EA137 07 20 22.0	+01 51 00	16.6			70 SWP 16927	L L 0 143	00 82 128 05 02	V /	501			
HD	58050	GHEST 07 21 36.5	+15 36 56	+6.3		B3	21 SWP 18938	H L 0 013	00 83 003 02 37	G 83/004*	C=3X,B=70			
HD	58050	EI113 07 21 37.0	+15 37 00	6.4			26 SWP 18755	H L 0 5	10 82 342 15 21	V /	* 502			
HD	58050	EI113 07 21 37.0	+15 37 00	6.4			26 LWR 14810	H L 0 6	20 82 342 15 29	V /	* 502 SPIKES			
HD	58050	EI113 07 21 37.0	+15 37 00	6.4			26 SWP 18757	H L 0 5	10 82 342 17 38	V /	* 502			
2366-H1	NDERD 07 23 21.6	+69 23 50	0.1				72 FES 1364	D 2 020	00 82 190 13 56	G 82/190	NO COMMENTS			
2366-H1	NDERD 07 23 23.1	+69 17 23	0.1				72 SWP 17390	L L 0 060	00 82 190 13 20	G 82/190	E=141,C=130,B=92			
2366-H1	NDERD 07 23 23.1	+69 17 23	0.1				72 LWR 13642	L L 0 060	00 82 190 14 25	G 82/190	C=140,B=73			
NGC	2363	NDERD 07 23 23.1	+69 17 23				72 SWP 18192	H L 0 500	00 82 275 23 14	G 82/277	E=170,C=145,B=140			
HD	58881	COETA 07 24 43.0	-11 37 07	8.6		S4	50 LWR 14923	L L 0 300	00 82 360 21 46	G 82/361*	E=173,C=140,B=92			
HD	58661	BPEJ 07 25 08.2	+48 17 15	5.5	*	B9	27 LWR 15035	H S 0 009	30 83 011 05 00	G 83/011*	C=180,B=32			
HD	58661	BPEJ 07 25 08.2	+48 17 15	5.52		B9	27 SWP 18984	H S 0 015	00 83 011 05 15	G 83/011*	C=210,B=37			
HD	58661	BPEJ 07 25 08.2	+48 17 15	5.52		B9	27 LWR 15036	H S 0 011	00 83 011 05 47	G 83/011*	C=220,B=32			
HD	58661	BPEJ 07 25 08.2	+48 17 15	5.52		B9	27 SWP 18985	H S 0 015	00 83 011 06 15	G 83/011*	C=220,B=37			
HD	59067	SGEBM 07 25 29.6	-11 27 01	5.8		G8 IB	45 SWP 17122	L L 0 004	00 82 155 16 43	G 82/158	C=20X,B=76			
HD	59067	SGEBM 07 25 29.6	-11 27 01	5.8		G8 IB	45 LWR 13412	L L 0 000	50 82 155 20 12	G 82/158	C=3-4X,B=32			

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MM	SEC	DEG							MM	SC	MIN	SE			
HD	59067	SGEBM	07 25 29.6	-11 27 01	5.8		G8 IB	45 LWR	13412	L S 0	000 50	82 155 20	17	G	82/158	C=2X,B=32		
HD	59067	SGEBM	07 25 29.6	-11 27 01	5.8		G8 IB	45 SWP	17125	L S 0	000 10	82 155 21	03	G	82/158	C=106,B=25		
HD	59067	SGEBM	07 25 29.6	-11 27 01	5.8		G8 IB	45 SWP	17125	L L 0	000 10	82 155 21	06	G	82/158	C=190,B=25		
	NGC 2392	EA254	07 26 13.0	+21 01 00	10.4			71 SWP	18043	L L 0	15 00	82 263 19	33	V	/	* 341 11ARCSEC WEST-ST		
	NGC 2392	EA254	07 26 13.0	+21 01 00	10.4			71 LWR	14221	L L 0	60 00	82 263 20	03	V	/	* 5334-MIN-HTR, 11ASEC		
HD	59693	CDESB	07 28 24.2	-09 40 14	0.3		GO IB	53 LWR	14359	L L 0	060 00	82 282 09	06	G	82/284*	C=5X,B=40		
HD	59693	CDESB	07 28 24.2	-09 40 14	0.3		GO IB	53 LWR	14360	L L 0	030 00	82 282 10	37	G	82/284	C=3X,B=42		
HD	59693	CDESB	07 28 24.2	-09 40 14	0.3		GO IB	53 LWR	14361	L L 0	007 00	82 282 11	44	G	82/284	C=255,B=25		
	0729+103	EIO60	07 28 44.0	+10 03 00	14.5			* 59 SWP	17853	L L 0	50 00	82 248 17	00	V	/	* 301		
	0729+103	EIO60	07 28 44.0	+10 03 00	14.5			* 59 LWR	14094	L L 0	25 00	82 248 17	54	V	/	* 302 4-MIN-HTR		
	3A073+10	CVEPS	07 28 44.2	+10 02 45	14.0			63 LWR	14698	L L 0	060 00	82 327 02	29	G	82/327*	C=95,B=35		
	3A073+10	CVEPS	07 28 44.3	+10 02 46	14.0			63 SWP	18612	L L 0	090 00	82 324 21	14	G	82/326*	E=69,C=65,B=35		
HD	60178	EA051	07 31 25.0	+31 59 00	1.6			35 LWR	14330	H L 0	30 00	82 276 19	08	V	/	* 602 4-MIN-HTR		
HD	60178	EA051	07 31 25.0	+31 59 00	1.6			35 SWP	18197	H L 0	3 00	82 276 19	37	V	/	* 801		
HD	60178	EA051	07 31 25.0	+31 59 00	1.6			35 SWP	18198	H L 0	30 00	82 276 20	05	V	/	* 400		
	YYGEM	FSESB	07 31 25.0	+31 58 50	9.1		M1 V	48 SWP	18703	L M 0	060 00	82 336 04	52	G	82/336*	C=93,B=73		
	YYGEM	FSESB	07 31 25.0	+31 58 50	9.1		M1 V	48 LWR	14764	L M 0	020 00	82 336 06	06	G	82/336*	E=160,C=80,B=40		
	YYGEM	FSESB	07 31 25.0	+31 58 50	9.1		M1 V	48 SWP	18712	L M 0	060 00	82 337 06	44	G	82/337*	E=216,B=105		
	YYGEM	FSESB	07 31 25.0	+31 58 50	9.1		M1 V	48 LWR	14773	L L 0	010 00	82 337 07	50	G	82/337*	E=147,C=65,B=30		
	YYGEM	FSESB	07 31 25.0	+32 00 00	9.1		M1 V	48 SWP	18713	L M 0	090 00	82 337 08	17	G	82/337*	E=121,B=80-100		
	YYGEM	FSESB	07 31 26.2	+31 58 49	9.1		M1 V	48 SWP	18692	L L 0	060 00	82 334 08	29	G	82/335*	E=69,C=70,B=53		
	YYGEM	FSESB	07 31 26.2	+31 58 49	9.1		M1 V	48 LWR	14755	L L 0	025 00	82 334 09	41	G	82/335*	E=2X,C=65,B=25		
	YYGEM	FSESB	07 31 26.2	+31 58 49	9.1		M1 V	48 SWP	18693	L L 0	095 00	82 334 10	11	G	82/335*	E=92,C=60,B=30		
	YYGEM	FSESB	07 31 26.2	+31 58 49	9.1		M1 V	48 SWP	18702	L M 0	060 00	82 336 03	05	G	82/336*	E=66,C=80,B=59		
	YYGEM	FSESB	07 31 26.2	+31 58 49	9.1		M1 V	48 LWR	14763	L S 0	020 00	82 336 04	22	G	82/336*	E=176,C=60,B=35		
	YYGEM	FSESB	07 31 26.2	+31 58 50	9.1		M1 V	48 SWP	18704	L M 0	060 00	82 336 07	01	G	82/336*	C=120,B=100		
	YYGEM	FSESB	07 31 26.2	+31 58 50	9.1		M1 V	48 LWR	14765	L L 0	010 00	82 336 08	21	G	82/336*	E=130,C=72,B=32		
	YYGEM	FSESB	07 31 26.2	+31 58 50	9.1		M1 V	48 SWP	18705	L L 0	060 00	82 336 08	49	G	82/336*	E=123,C=100,B=59		
HD	60753	PHCAL	07 32 08.0	-50 28 28	6.7	EO. 11	B3 IV	21 SWP	17025	L T 0	000 41	82 143 19	42	G	82/144	C=200,B=19		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWP	1629	L L 0	6 00	82 216 01	28	V	/	* 501		
HD	60753	PHCAL	07 32 08.0	-50 28 28	6.69		B3 IV	21 LWR	14246	L T 0	000 31	82 267 12	53	G	82/267	C=220,B=45		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR	14774	L L 0	7 00	82 337 10	40	V	/	* 402 SENS MONITOR MN=		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR	14774	L S 0	21 00	82 337 10	46	V	/	* 502		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR	14775	L L 0	31 00	82 337 11	18	V	/	* 402 R=0.64 IT=1 MN=3		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP	18714	L L 0	10 00	82 337 11	49	V	/	* 500		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP	18714	L S 0	30 00	82 337 11	53	V	/	* 600		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP	18715	L L 0	41 00	82 337 12	19	V	/	* 500 R=0.49 ITER=1		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR	14776	H L 0	10 30	82 337 12	25	V	/	* 502 MN=515		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP	18716	H L 0	10 00	82 337 12	52	V	/	* 400		
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP	18898	L S 0	30 00	82 361 14	29	V	/	* 601		

OBJECT ID	PROG ID	TARGET RA	TARGET DEC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME	OBSERVATION DATE	ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN SEC	DEG MN SC							MIN SE	YR DAY HR MN		YR/DAY	
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 SWP 18898	L L O	41 82	361 14 33	V /		* 501 TR 0.490"/SEC
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR 14934	L S O	21 82	361 14 39	V /		* 602 4-MIN-HTR MN=714
HD	60753	PHCAL	07 32 08.0	-50 28 00	6.7			21 LWR 14934	L L O	31 82	361 14 43	V /		* 502 TR 0.641"/SEC
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 16739	L T O	000 40	82 100 01 22	G 82/102		C=185,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 12997	L T O	000 31	82 100 01 31	G 82/102		C=190,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13122	L S O	000 21	82 120 23 15	G 82/125		C=232,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13122	L L O	000 07	82 120 23 18	G 82/125		C=206,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 16878	L S O	000 30	82 120 23 22	G 82/125		C=1.5X,B=13
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 16878	L L O	000 10	82 120 23 25	G 82/125		C=2X,B=13
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWP 1542	L L O	000 06	82 129 18 20	G 82/132		C=200,B=34
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWP 1542	L S O	000 18	82 129 18 39	G 82/132		C=1.5X,B=34
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17072	L L O	000 10	82 150 20 44	G 82/154		C=160,B=21
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17072	L S O	000 30	82 150 20 49	G 82/154		C=220,B=21
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13356	L L O	000 07	82 150 20 53	G 82/154		C=150,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13356	L S O	000 21	82 150 20 57	G 82/154		C=180,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13442	L L O	000 07	82 159 14 51	G 82/160		C=160,B=26
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17161	L L O	000 10	82 159 14 56	G 82/160		C=170,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13444	L L O	000 07	82 159 15 44	G 82/160		C=150,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17165	L L O	000 10	82 159 17 10	G 82/160		C=170,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13445	H L O	000 07	82 159 17 53	G 82/160		C=166,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17193	L T O	000 41	82 162 16 32	G 82/166		C=200,B=18
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17332	L S O	000 30	82 182 16 16	G 82/189		C=1.2X,B=17
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13581	L S O	000 21	82 182 16 20	G 82/189		C=233,B=27
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17332	L L O	000 10	82 182 16 24	G 82/189		C=170,B=17
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13581	L L O	000 07	82 182 16 28	G 82/189		C=164,B=27
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13583	L L O	000 00	82 182 17 19	G 82/189		C=160,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13582	L L O	000 07	82 182 17 19	G 82/189		NO COMMENTS
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 13765	L L O	000 07	82 205 16 58	G 82/209		C=180,B=23
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17478	L L O	000 10	82 205 17 02	G 82/209		C=185,B=17
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14003	L L O	000 07	82 236 13 30	G 82/239		C=165,B=25
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17758	L L O	000 10	82 236 13 34	G 82/239		C=165,B=17
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWP 1655	L L O	000 06	82 237 14 30	G 82/238		C=175,B=31
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWP 1655	L S O	000 18	82 237 14 34	G 82/238		C=239,B=31
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWP 1656	L T O	000 26	82 237 15 06	G 82/238		C=220,B=54
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 SWP 17768	L T O	000 41	82 237 15 48	G 82/238		C=215,B=26
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14007	L T O	000 31	82 237 16 07	G 82/238		C=215,B=29
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14187	L T O	000 31	82 259 12 44	G 82/259		C=206,B=26
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14188	L T O	000 09	82 259 13 18	G 82/259		C=110,B=30
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14189	L T O	000 38	82 259 13 50	G 82/259		C=240,B=26
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11 B3	IV	21 LWR 14190	L T O	000 13	82 259 14 22	G 82/260		C=130,B=26

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN	SC								YR	DAY	HR MN			
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14191	L T 0 000	31 82 259	14 53	G	82/260	C=210,B=27	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14192	L T 0 000	08 82 259	15 24	G	82/260	C=100,B=33	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	17980	L L 0 000	10 82 259	15 43	G	82/260	C=195,B=170	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1667	L T 0 000	26 82 263	00 32	G	82/265	C=195,B=40	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1668	L T 0 000	05 82 263	01 08	G	82/265	C=90,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1668	L T 0 000	31 82 263	01 42	G	82/265	C=210,B=38	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1670	L T 0 000	10 82 263	02 18	G	82/265	C=120,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1671	L T 0 000	26 82 263	02 54	G	82/265	C=195,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1672	L T 0 000	05 82 263	03 32	G	82/265	C=95,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1673	L T 0 000	15 82 263	04 07	G	82/265	C=145,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1674	L T 0 000	26 82 263	04 41	G	82/265	C=200,B=35	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18057	L T 0 000	41 82 265	08 40	G	82/265	C=200,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18058	L T 0 000	12 82 265	09 13	G	82/265	C=95,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18059	L T 0 000	49 82 265	09 50	G	82/265	C=225,B=27	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18060	L T 0 000	16 82 265	10 38	G	82/265	C=110,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18061	L T 0 000	10 82 265	11 10	G	82/266	C=80,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18062	L T 0 000	41 82 265	11 48	G	82/266	C=200,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14245	L L 0 000	07 82 267	11 51	G	82/267	C=180,B=28	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14245	L S 0 000	21 82 267	11 55	G	82/267	C=1.1X,B=28	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18092	L L 0 000	10 82 267	11 59	G	82/267	C=190,B=32	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18092	L S 0 000	30 82 267	12 04	G	82/267	C=1.1X,B=32	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18093	L T 0 000	41 82 267	13 02	G	82/267	C=232,B=76	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	18517	L L 0 000	10 82 314	02 01	G	82/314*	C=165,B=16	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14593	L L 0 000	07 82 314	02 06	G	82/314*	C=155,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1713	L L 0 000	06 82 315	09 15	G	82/315*	C=190,B=34	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1713	L S 0 000	18 82 315	09 19	G	82/315*	C=1.2X,B=34	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	14975	L L 0 000	10 83 001	07 42	G	83/008*	C=220,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1795	L L 0 000	06 83 039	04 29	G	83/045*	C=200,B=33	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	15218	L L 0 000	07 83 040	03 13	G	83/045*	C=170,B=23	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19228	H L 0 000	10 83 040	03 17	G	83/045*	B=23	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWR	15288	L T 0 000	31 83 045	22 55	G	83/046*	C=200,B=26	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19253	L L 0 000	10 83 045	23 03	G	83/046*	C=180,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19254	L T 0 000	41 83 046	00 50	G	83/046*	C=190,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	LWP	1800	L T 0 000	26 83 046	00 59	G	83/046*	C=195,B=37	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19320	L L 0 000	13 83 055	05 38	G	83/059*	C=200,B=18	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19408	L T 0 000	41 83 066	11 57	G	83/066*	C=200,B=22	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19410	L T 0 000	12 83 066	12 30	G	83/080*	C=80	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19411	L T 0 000	49 83 066	13 03	G	83/080*	C=220,B=25	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19412	L T 0 000	16 83 066	13 34	G	83/081*	C=110,B=20	
HD	60753	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	21	SWP	19413	L T 0 000	10 83 066	14 05	G	83/081*	C=77,B=20	



OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN			
NGC	2440 NPEGF	07 39 41.5	-18 05 26	11.7						71 LWR 13510	L L 0	030 00 82 168 17 45	G 82/169	E=2X,C=210,B=135								
	SU MON COETA	07 39 55.2	-10 45 38	7.7	SC				50 LWR 15007	L L 0	090 00 83 006 19 03	G 83/008*	B=33									
HR	2973 RSETA	07 40 11.3	+29 00 21	4.3	K1 III				47 SWP 16943	H L 0	420 00 82 130 08 41	G 82/131	E=1.5X,C=120,B=105									
HR	2973 RSETA	07 40 11.3	+29 00 21	4.3	K1 III				47 LWR 13216	H L 0	060 00 82 130 15 46	G 82/131	E=6X,C=190,B=50									
HR	2973 RSETA	07 40 11.3	+29 00 21	4.3	K1 III				47 LWR 13217	H L 0	025 00 82 130 17 20	G 82/131	E=2-3X,C=105,B=45									
HR	2973 RSETA	07 40 11.3	+29 00 21	4.3	K1 III				47 LWR 13218	H L 0	010 00 82 130 18 18	G 82/131	E=246,C=75,B=30									
HR	2973 RSETA	07 40 11.4	+29 00 22	4.3	K1 III				47 SWP 16944	H L 0	425 00 82 131 08 44	G 82/132	E=1.3X,B=80									
HR	2973 RSETA	07 40 11.4	+29 00 22	4.3	K1 III				47 LWR 13226	H L 0	060 00 82 131 15 53	G 82/132	E=5X,C=210,B=70									
HR	2973 RSETA	07 40 11.4	+29 00 22	4.3	K1 III				47 LWR 13227	H L 0	025 00 82 131 17 30	G 82/132	E=2X,C=120,B=40									
HR	2973 RSETA	07 40 11.4	+29 00 22	4.3	K1 III				47 LWR 13228	H L 0	010 00 82 131 18 24	G 82/132	E=238,C=80,B=30									
HD	62623 QSESG	07 41 47.9	-28 50 02	4.1	A2				30 LWR 13718	H S 0	020 00 82 200 18 26	G 82/201	C=140,B=50									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15169	L M 0	032 00 83 034 04 46	G 83/034*	E=104,C=65,B=27									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 SWP 19177	L M 0	080 00 83 034 05 25	G 83/063*	E=101,C=55,B=25									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15170	L M 0	032 00 83 034 06 54	G 83/034*	E=111,C=62,B=26									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 SWP 19178	L M 0	080 00 83 034 07 50	G 83/063*	E=42,C=40,B=22									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15198	L M 0	024 00 83 037 02 44	G 83/038*	E=225,C=200,B=130									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 SWP 19210	L M 0	040 00 83 037 03 14	G 83/038*	E=1.5X,B=2X									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15205	L L 0	008 00 83 038 03 50	G 83/038*	E=162,B=100									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15206	L M 0	016 00 83 038 04 34	G 83/038*	E=142,B=75									
	YZ CMI FSEJL	07 42 02.9	+03 40 32	11.2	M4 V				48 LWR 15207	L M 0	020 00 83 038 05 25	G 83/038*	E=71,B=25									
HD	62509 LGESEB	07 42 15.5	+28 08 55	1.2	KO III				47 LWR 15544	H L 0	003 00 83 081 19 00	G 83/082*	E=144,C=220,B=31									
HD	62509 LGESEB	07 42 15.5	+28 08 55	1.2	KO III				47 SWP 19513	L L 0	060 00 83 081 19 09	G 83/082*	E=219,B=165									
HD	62509 LGESEB	07 42 15.5	+28 08 55	1.2	KO III				47 SWP 19516	H L 0	015 00 83 081 23 27	G 83/082*	B=136									
HD	62747 RPSTD	07 42 27.8	-24 33 08	5.61	EO.05 B2 III				23 LWR 15328	L T 0	000 07 83 050 03 38	G 83/053*	C=220,B=32									
HD	62747 RPSTD	07 42 27.8	-24 33 08	5.61	EO.05 B2 III				23 SWP 19295	L T 0	000 09 83 050 03 47	G 83/053*	C=1.3X,B=32									
HD	62747 RPSTD	07 42 27.8	-24 33 08	5.61	EO.05 B2 III				23 SWP 19297	L T 0	000 06 83 050 05 34	G 83/053*	C=210,B=21									
Q	0742+318 QCEBW	07 42 30.7	+31 50 15	0.0					85 SWP 19457	L L 0	320 00 83 073 12 21	G 83/074*	E=195,C=110,B=60									
Q	0742+318 QCEBW	07 42 30.7	+31 50 15	0.0					85 LWR 15486	L L 0	060 00 83 073 17 46	G 83/074*	C=100,B=47									
Q	0742+318 QCEBW	07 42 30.7	+31 50 16	0.0					85 LWR 15496	L L 0	360 00 83 074 11 45	G 83/090*	E=190,C=180,B=81									
HD	63032 EC140	07 43 28.0	-37 51 00	3.6					47 LWR 12925	L L 0	15 00 82 091 02 34	V /	702									
HD	63032 EC140	07 43 28.0	-37 51 00	3.6					47 SWP 16675	L L 0	15 00 82 091 02 57	V /	601									
HD	63032 EC140	07 43 28.0	-37 51 00	3.6					47 SWP 16675	L S 0	15 00 82 091 03 19	V /	401									
HD	63465 RPSTD	07 45 38.6	-38 23 10	5.08	EO.11 B2 III				23 LWR 15329	L T 0	000 07 83 050 04 51	G 83/053*	C=212,B=25									
HD	63465 RPSTD	07 45 38.6	-38 23 10	5.08	EO.11 B2 III				23 SWP 19296	L T 0	000 10 83 050 05 00	G 83/053*	C=240,B=25									
HD	63700 SGEEM	07 47 11.4	-24 43 59	3.3	G3 IB				45 SWP 17121	L L 0	013 00 82 155 15 36	G 82/158	E=134,C=145,B=138									
HD	63700 SGEEM	07 47 11.4	-24 43 59	3.3	G3 IB				45 LWR 13409	L L 0	000 30 82 155 16 04	G 82/158	E=101,C=115,B=25									
HD	64440 CBESP	07 50 29.7	-40 26 44	3.73	K1 II				39 LWR 13205	L S 0	000 40 82 128 21 37	G 82/131	C=190,B=28									
HD	64440 CBESP	07 50 29.7	-40 26 44	3.73	K1 II				39 LWR 13205	L L 0	000 40 82 128 21 42	G 82/131	C=1.5X,B=28									
HD	64440 CBESP	07 50 29.8	-40 26 45	1.3	B9 SD				39 LWR 13206	H L 0	018 00 82 128 22 14	G 82/130	C=205,B=70									
HD	64440 CBESP	07 50 29.8	-40 26 45	1.3	B9 SD				39 LWR 13558	H L 0	030 00 82 177 18 09	G 82/179	E=132,C=215,B=33									

OBJECT ID	PROG ID	TARGET			TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN							SC	MIN	SE	YR	DAY			
HD	64440	CBESP	07 50 29.8	-40 26 45	1.3	B9 SD	39 SWP	17793	L L 0	000	40 82	240 12 07	G 82/242	C=130,B=17						
HD	64440	CBESP	07 50 29.8	-40 26 45	1.3	B9 SD	39 LWR	14035	H L 0	032 00	82 240 12 12	G 82/242	E=172,C=1.3X,B=72							
HD	64503	MLEPB	07 50 52.4	-38 43 57	4.5	B2 V	20 SWP	19335	H L 0	001 00	83 058 02 47	G 83/060*	C=180,B=38							
HD	64740	HEESS	07 51 39.0	-49 28 55	4.8	B2 III	23 SWP	19104	H L 0	000 45	83 028 03 17	G 83/028*	C=185,B=40							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19101	H L 0	000 45	83 028 00 39	G 83/028*	C=180,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19106	H L 0	000 45	83 028 04 53	G 83/028*	C=220,B=40							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19108	H L 0	000 45	83 028 06 27	G 83/031*	C=180,B=38							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19118	H L 0	000 45	83 029 03 40	G 83/031*	C=190,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19121	H L 0	000 45	83 029 06 02	G 83/031*	C=185,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19123	H L 0	000 45	83 029 07 35	G 83/032*	C=185,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19132	H L 0	000 45	83 030 01 48	G 83/032*	C=190,B=36							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19135	H L 0	000 45	83 030 04 57	G 83/032*	C=180,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19138	H L 0	000 45	83 030 07 22	G 83/032*	C=180,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 LWR	15150	H L 0	000 35	83 030 07 27	G 83/032*	C=180,B=32							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19146	H L 0	000 45	83 031 01 16	G 83/032*	C=190,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19147	L T 0	000 02	83 031 01 46	G 83/032*	C=220,B=18							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19147	L S 0	000 02	83 031 01 47	G 83/032*	C=220,B=18							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19149	H L 0	000 45	83 031 03 58	G 83/032*	C=190,B=38							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19151	H L 0	000 45	83 031 05 34	G 83/032*	C=190,B=35							
HD	64740	HEESS	07 51 39.1	-49 28 56	4.8	B2 III	23 SWP	19153	H L 0	000 45	83 031 07 32	G 83/032*	C=200,B=35							
HD	64760	RPSTD	07 51 49.9	-47 58 17	4.42	EO.07 B0 IB	23 SWP	19056	L T 0	000 02	83 022 05 49	G 83/024*	E=202,C=205,B=25							
HD	64760	RPSTD	07 51 49.9	-47 58 17	4.42	EO.07 B0 IB	23 LWR	15100	L T 0	000 02	83 024 04 12	G 83/024*	C=205,B=30							
NGC	2474	NPEJK	07 53 59.9	+53 33 24			70 SWP	16964	L L 0	120 00	82 135 09 15	G 82/138	NO COMMENTS							
NGC	2474	NPEJK	07 53 59.9	+53 33 22	0.0	0 SD	71 SWP	19397	L L 0	120 00	83 064 17 51	G 83/066*	C=210,B=145							
Q	0754+100	BLEDW	07 54 22.6	+10 04 39	14.5		87 LWR	13137	L L 0	185 00	82 122 12 37	G 82/123	C=165,B=73							
Q	0754+100	BLEDW	07 54 22.6	+10 04 39	14.5		87 SWP	16887	L L 0	400 00	82 123 09 08	G 82/125	C=140,B=85							
PG	0803+762	QSECW	08 04 35.3	+76 11 31	14.4		85 LWR	13645	L M 0	210 00	82 191 08 08	G 82/193	C=145,B=50							
PG	0803+762	QSECW	08 04 35.4	+76 11 32	14.4		85 SWP	17393	L M 0	180 00	82 191 04 55	G 82/193	E=202,C=84,B=43							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	13186	H L 0	36 00	82 127 05 08	V /	501 4-MIN-HTR-WM-UP							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 SWP	16914	L L 0	43 82	127 06 39	V /	501 TRAIL,R=43.4,1IT							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	13187	L L 0	1 20	82 127 07 12	V /	501 TRAIL,R=0.25,1IT							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 SWP	16915	L L 0	1 07	82 127 07 46	V /	501 TRAIL,R=0.30,1IT							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	13466	L L 0	24 82	161 05 39	V /	502							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	13466	L S 0	1 12	82 161 05 44	V /	402							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	14233	L L 0	24 82	265 16 50	V /	* 502 MN=194							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	14233	L S 0	48 82	265 16 54	V /	* 502 MN=194							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 LWR	14234	L L 0	1 14	82 265 17 30	V /	* 402 MN=307,TR,I=3,R=							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 SWP	18065	L L 0	14 82	265 18 48	V /	* 501							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 SWP	18065	L S 0	28 82	265 18 52	V /	* 501							
	+75 325	PHCAL	08 04 43.0	+75 07 00	9.5		16 SWP	18066	L L 0	43 82	265 19 18	V /	* 401 TRAIL,I=3,R=1.38							

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN			
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 LWP	1676	L S 0			40 82 265	19 30	V /	* 503						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 LWP	1676	L L 0			20 82 265	19 34	V /	* 403						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 LWP	1677	L L 0		1	20 82 265	20 08	V /	* 503 TRAIL, I=3, R=0.60						
+75 325	PHCAL	08 04	43.0	+75 06 48	1.8	EO.02	SD V	16 LWP	1705	L L 0	000		20 82 305	08 47	G 82/307*	C=200, B=40						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 LWR	14890	H L 0			24 82 358	17 29	V /	* *** WRONG DISP						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 SWP	18883	H L 0			14 82 358	17 32	V /	* *** WRONG DISP						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 SWP	18900	L L 0			14 82 361	17 25	V /	* 500						
+75 325	PHCAL	08 04	43.0	+75 07 00	9.5			16 LWR	14936	L L 0			24 82 361	17 28	V /	* 502						
BD +75 325	EHCEJ	08 04	43.1	+75 06 47	9.54		05 SD	16 SWP	18442	L T 0	000		27 82 305	05 10	G 82/305*	C=110, B=20						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54		05 SD	16 SWP	18443	L T 0	000		14 82 305	05 41	G 82/307*	C=173, B=20						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54		05 SD	16 LWR	14539	L L 0	000		24 82 305	05 45	G 82/307*	C=185, B=25						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54		05 SD	16 LWR	14851	L L 0	000		12 82 353	09 50	G 82/355*	C=110, B=25						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54	E-.05	05 SD	16 SWP	18869	L L 0	000		07 82 357	08 14	G 82/362*	C=87, B=20						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54	E-.05	05 SD	16 LWR	14877	L L 0	000		12 82 357	08 20	G 82/362*	C=105, B=25						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54	E-.05	05 SD	16 LWR	14878	L T 0	001		14 82 357	09 10	G 82/362*	C=160, B=25						
BD +75 325	PHCAL	08 04	43.1	+75 06 47	9.54	E-.05	05 SD	16 SWP	18870	L T 0	000		43 82 357	09 21	G 82/362*	C=160, B=20						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 SWP	16773	L L 0	000		14 82 106	01 40	G 82/106	C=160, B=18						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 SWP	16773	L S 0	000		42 82 106	01 44	G 82/106	C=240, B=18						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWR	13117	L L 0	000		24 82 120	13 57	G 82/120	C=160, B=25						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1537	L L 0	000		20 82 120	14 39	G 82/120	C=175, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1544	L L 0	000		20 82 129	20 29	G 82/132	C=200, B=36						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1544	L S 0	001		00 82 129	20 33	G 82/132	C=1.5X, B=36						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 SWP	16942	L L 0	000		07 82 129	20 37	G 82/132	C=100, B=25						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1552	L L 0	000		20 82 134	23 29	G 82/137	C=180, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1552	L S 0	001		00 82 134	23 34	G 82/137	C=240, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	12 SWP	17073	L L 0	000		14 82 150	22 05	G 82/154	C=145, B=17						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	12 LWR	13357	L L 0	000		24 82 150	22 09	G 82/154	C=150, B=25						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWR	13575	L L 0	000		24 82 180	21 42	G 82/189	C=185, B=21						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWR	13625	L T 0	001		14 82 188	15 29	G 82/189	C=168, B=27						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.06	05 SD	16 SWP	17375	L T 0	000		43 82 188	15 51	G 82/189	C=160, B=25						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1605	L L 0	000		20 82 188	16 44	G 82/189	C=200, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1605	L S 0	001		00 82 188	16 48	G 82/189	C=2X, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1606	L T 0	001		40 82 188	17 20	G 82/189	C=215, B=43						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWR	13855	L L 0	000		24 82 216	12 07	G 82/217	C=160, B=30						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 SWP	17579	L L 0	000		14 82 216	12 11	G 82/217	C=147, B=30						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1638	L L 0	000		20 82 232	15 50	G 82/236	C=180, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1638	L S 0	001		00 82 232	15 59	G 82/236	C=1.1X, B=35						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWR	13988	L L 0	000		24 82 232	17 46	G 82/236	C=185, B=26						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 SWP	18161	L L 0	000		07 82 273	12 47	G 82/273	C=110, B=20						
BD +75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05	05 SD	16 LWP	1706	L L 0	000		20 82 305	09 51	G 82/307*	C=205, B=35						



OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MM	SEC								DEG	MIN	SEC			
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWP	1732	L L 0 000	20 82	329 08 44	G 82/335*	C=190,B=35		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	18655	L L 0 000	14 82	329 08 48	G 82/335*	C=160,B=20		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWP	1733	L T 0 001	40 82	329 09 43	G 82/335*	C=205,B=40		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWR	14760	L T 0 001	14 82	335 09 38	G 82/335*	C=155,B=25		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWR	14973	L L 0 000	24 83	001 05 00	G 83/008*	C=200,B=25		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWR	14973	L S 0 001	12 83	001 05 04	G 83/008*	C=255,B=25		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	18924	L L 0 000	14 83	001 05 09	G 83/008*	C=255,B=18		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	18924	L S 0 000	42 83	001 05 14	G 83/008*	C=170,B=18		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWP	1761	L L 0 000	20 83	006 16 42	G 83/008*	C=255,B=33		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWP	1761	L S 0 001	00 83	006 16 46	G 83/008*	C=183,B=33		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWR	15362	L L 0 000	24 83	054 23 45	G 83/058*	C=170,B=25		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWP	1811	L L 0 000	20 83	055 02 49	G 83/059*	C=180,B=35		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	19318	L L 0 000	14 83	055 02 54	G 83/059*	C=160,B=18		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	19319	L L 0 000	07 83	055 04 44	G 83/059*	C=85,B=18		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 LWR	15364	L L 0 000	12 83	055 04 48	G 83/059*	C=108,B=22		
BD	+75 0325	PHCAL	08 04	43.2	+75 06 48	9.5	E-.05 05	SD	16 SWP	19467	L L 0 000	14 83	075 01 14	G 83/076*	C=180,B=19		
HD	67594	SGEBM	08 06	04.8	-02 50 13	4.3		G2 IB	45 LWR	13410	L L 0 001	00 82	155 18 04	G 82/158	C=200,B=30		
HD	67594	SGEBM	08 06	04.8	-02 50 13	4.3		G2 IB	45 SWP	17123	L L 0 007	00 82	155 18 11	G 82/158	C=160,B=144		
HD	SU UMA	CVEPS	08 08	04.8	+62 45 28	11.0			54 SWP	18845	L L 0 036	00 82	355 09 13	G 82/355*	C=45,B=27		
HD	68456	LDEKH	08 08	10.2	-61 09 08	4.8		F7 V	41 SWP	16693	L L 0 030	00 82	095 01 18	G 82/096	E=81,C=5-10X,B=20		
HD	68351	BPEJJ	08 10	03.2	+29 48 29	5.6		B9	27 SWP	18968	H L 0 018	00 83	008 19 59	G 83/009*	C=210,B=35		
HD	68351	BPEJJ	08 10	03.2	+29 48 29	5.6		B9	27 LWR	15019	H L 0 010	00 83	008 20 34	G 83/009*	C=205,B=34		
HD	68351	BPEJJ	08 10	03.2	+29 48 29	5.6		B9	27 SWP	18969	H L 0 020	00 83	008 21 03	G 83/009*	C=225,B=38		
HD	68351	BPEJJ	08 10	03.2	+29 48 29	5.6		B9	27 LWR	15020	H L 0 012	00 83	008 21 35	G 83/009*	C=210,B=34		
HD	68461	HCETA	08 10	09.2	+16 39 55	6.0		KO III	40 LWR	15149	L L 0 003	00 83	030 02 57	G 83/031*	C=200,B=25		
HD	68461	HCETA	08 10	09.2	+16 39 55	6.0		KO III	40 SWP	19133	L L 0 015	00 83	030 03 09	G 83/031*	C=120,B=12		
Z CAM	E1079		08 15	40.0	+73 16 00	11.5			54 SWP	18608	L L 0 12	00 82	324 14 52	V / *	301		
Z CAM	E1079		08 15	40.0	+73 16 00	11.5			54 LWR	14678	L L 0 19	00 82	324 15 09	V / *	501 4-MIN-HTR		
Z CAM	E1079		08 15	40.0	+73 16 00	11.5			54 SWP	18609	L L 0 40	00 82	324 15 47	V / *	501		
Z CAM	CVEPS		08 19	39.8	+73 16 23	13.0			54 SWP	18630	L L 0 008	00 82	327 01 08	G 82/327*	C=200,B=17		
Z CAM	CVEPS		08 19	39.9	+73 16 24	13.0			54 LWR	14697	L L 0 004	00 82	327 00 37	G 82/327*	C=160,B=25		
Z CAM	CVEPS		08 19	39.9	+73 16 24	13.0			54 LWR	14861	L L 0 030	00 82	355 07 05	G 82/355*	E=199,C=146,B=50		
Z CAM	CVEPS		08 19	39.9	+73 16 24	13.0			54 SWP	18844	L L 0 040	00 82	355 07 42	G 82/355*	C=140,C=106,B=40		
HD	70761	SGEBM	08 20	43.1	-26 11 13	5.9		F2 IB	40 LWR	13407	L L 0 002	00 82	155 13 41	G 82/155	C=238,B=25		
HD	70761	SGEBM	08 20	43.1	-26 11 13	5.9		F2 IB	40 SWP	17119	L L 0 010	00 82	155 13 47	G 82/158	C=150,B=60		
HD	71129	EC140	08 21	29.0	-59 21 00	1.9			47 LWR	12926	H L 0 1	00 82	091 04 32	V /	552		
HD	71129	EC140	08 21	29.0	-59 21 00	1.9			47 SWP	16676	H L 0 1	00 82	091 04 36	V /	551		
HD	71129	ODG2B	08 21	29.3	-59 20 52	1.86		KO II	39 LWR	13204	H L 0 000	55 82	128 20 59	G 82/131	C=250,B=36		
HD	71129	ODG2B	08 21	29.3	-59 20 52	1.86		KO II	39 SWP	16934	H L 0 000	55 82	128 21 03	G 82/131	C=200,B=41		
	HH47	HHERS	08 24	22.8	-50 50	17.0			76 SWP	17549	L L 0 400	00 82	213 04 11	G 82/214	C=145,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION YR DAY	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
VELA SNR	IMEJR	08 24 32.5	-45 14 42				75 SWP	19484	L L O	247 00	83 077 19 17	G 83/080*	E=221,C=131,B=108	
VELA SNR	IMEJR	08 24 32.5	-45 14 42				75 LWR	15518	L L O	242 00	83 077 19 21	G 83/080*	E=153,B=82	
VELA SNR	IMEJR	08 24 32.5	-45 14 42				75 LWR	15520	L L O	255 00	83 078 19 17	G 83/080*	E=238,C=220,B=150	
VELA SNR	IMEJR	08 24 32.5	-45 14 42				75 SWP	19489	L L O	170 00	83 078 20 12	G 83/080*	B=160	
Q 0829+046	BLEAG	08 29 10.9	+04 39 51	16.5			87 SWP	19261	L L O	165 00	83 046 15 17	G 83/048*	C=87,B=56	
HD 72737	HCETA	08 30 41.6	-53 02 29	5.8		KO III	39 LWR	13096	L L O	000 30	82 118 22 20	G 82/119	C=197,B=24	
HD 72737	HCETA	08 30 41.6	-53 02 29	5.8		KO III	39 SWP	16851	L L O	000 42	82 118 22 26	G 82/119	C=140,B=20	
HD 72779	LGETS	08 32 27.1	+19 45 48	6.4			41 SWP	18549	L L O	090 00	82 318 01 22	G 82/319*	E=73,C=160,B=45	
PG 0834+488	CVEHB	08 34 49.2	+48 48 34	14.9			63 SWP	19038	L L O	090 00	83 019 20 58	G 83/020*	E=141,C=115,B=80	
HD 73634	VVETS	08 35 53.0	-42 48 47	4.14		A9 II	33 LWR	14870	L S O	000 48	82 356 19 42	G 82/357*	C=2X,B=25	
HD 73634	VVETS	08 35 53.0	-42 48 47	4.14		A9 II	33 LWR	14870	L L O	000 08	82 356 19 46	G 82/357*	C=200,B=25	
HD 73634	VVETS	08 35 53.0	-42 48 47	4.14		A9 II	33 SWP	18860	L L O	007 00	82 356 19 53	G 82/357*	C=10X,B=18	
HD 73634	VVETS	08 35 53.0	-42 48 47	4.14		A9 II	33 SWP	18860	L S O	001 20	82 356 20 15	G 82/357*	C=240,B=18	
A-28	NPEJK	08 37 37.8	+58 24 37				70 SWP	16965	L L O	100 00	82 135 11 48	G 82/137	C=95,B=20	
ABELL 28	NPEJK	08 37 37.8	+58 24 37	0.0		0 SD	71 SWP	19398	L L O	070 00	83 064 20 40	G 83/066*	C=180,B=145	
L532-81	EA144	08 39 34.0	-32 47 00	12.0			37 SWP	17286	L L O	90 00	82 174 00 37	V /	501	
L532-81	EA144	08 39 34.0	-32 47 00	12.0			37 LWR	13549	L L O	45 00	82 174 02 22	V /	602 MN=528	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14951	L S O	000 01	82 364 03 05	G 82/364*	C=160,B=21	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14951	L T O	000 02	82 364 03 11	G 82/364*	C=180,B=21	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14952	L L O	000 01	82 364 03 41	G 82/364*	C=125,B=23	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14953	L L O	000 01	82 364 04 09	G 82/364*	C=120,B=23	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14954	L L O	000 01	82 364 04 42	G 82/364*	C=120,B=20	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14955	L L O	000 01	82 364 05 08	G 82/364*	C=125,B=22	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14956	L L O	000 01	82 364 05 35	G 82/364*	C=125,B=21	
HD 74280	PHCAL	08 40 36.7	+03 34 46	4.3	E-.02	B4 V	21 LWR	14962	L L O	000 01	82 364 07 48	G 82/364*	C=215,B=21	
TON10	HEEGW	08 41 00.0	+26 14 00	14.8		B WD	29 LWR	15592	L L O	080 00	83 086 14 39	G 83/087*	C=1600,B=32	
TON10	HEEGW	08 41 00.0	+26 14 00	14.8		B WD	29 SWP	19559	L L O	135 00	83 086 16 06	G 83/087*	C=160,B=32	
HD 74307	CBEDL	08 41 05.0	+19 12 57	8.5		AO V	33 SWP	18700	L L O	008 00	82 335 22 15	G 82/336*	C=2X,B=17	
HD 74307	CBEDL	08 41 05.0	+19 12 57	8.5		AO V	33 LWR	14762	L L O	004 00	82 335 22 29	G 82/336*	C=1.5X,B=25	
HD 74307	CBEDL	08 41 05.0	+19 12 57	8.5		AO V	33 SWP	18709	H L O	280 00	82 336 21 10	G 82/337*	E=205,C=1.5X,B=100	
HD 74395	SGEBM	08 41 13.1	-07 03 09	4.6		G2 IB	45 LWR	13411	L L O	001 50	82 155 19 09	G 82/158	C=2-3X,B=42	
HD 74395	SGEBM	08 41 13.1	-07 03 09	4.6		G2 IB	45 SWP	17124	L L O	007 00	82 155 19 17	G 82/158	C=8X,B=164	
HD 74395	SGEBM	08 41 13.1	-07 03 09	4.6		G2 IB	45 SWP	17126	L S O	001 00	82 155 21 39	G 82/158	C=70,B=26	
HD 74395	SGEBM	08 41 13.1	-07 03 09	4.6		G2 IB	45 SWP	17126	L L O	001 00	82 155 21 43	G 82/158	C=132,B=26	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 SWP	18730	L L O	060 00	82 338 21 26	G 82/340*	E=52,C=50,B=30	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 LWR	14787	L L O	030 00	82 338 22 31	G 82/340*	C=70,B=30	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 SWP	18731	L L O	100 00	82 338 23 06	G 82/340*	E=67,C=60,B=35	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 SWP	18732	L L O	046 00	82 339 01 28	G 82/340*	E=49,C=40,B=21	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 SWP	18733	L L O	030 00	82 339 02 45	G 82/340*	E=35,C=30,B=20	
AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4			63 SWP	18734	L L O	100 00	82 339 03 47	G 82/340*	E=74,C=60,B=30	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN	SC							MIN	SE	YR	DAY	HR			
	AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4				63	LWR	14789	L L O	055 00	82 339	07 05	G 82/340*	C=80,B=32		
	AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4				63	SWP	18735	L L O	100 00	82 339	08 07	G 82/340*	E=72,C=60,B=32		
	AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4				63	LWR	14814	L L O	024 00	82 344	08 10	G 82/347*	E=73,C=80,B=33		
	AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4				63	SWP	18769	L L O	030 00	82 344	08 39	G 82/347*	E=40,C=43,B=23		
	AC CNC	CVEJP	08 41 41.5	+13 03 26	13.4				63	SWP	18770	L L O	018 00	82 344	09 31	G 82/347*	E=30,C=40,B=20		
	AC CNC	CVEJP	08 41 42.9	+13 03 24	13.4				63	LWR	14786	L L O	028 00	82 338	18 58	G 82/340*	E=74,C=75,B=28		
	AC CNC	CVEJP	08 41 42.9	+13 03 24	13.4				63	SWP	18729	L L O	030 00	82 338	19 31	G 82/340*	E=32,B=28		
	AC CNC	CVEHB	08 41 43.9	+13 03 23	13.8		NL		63	SWP	16984	L L O	032 00	82 138	19 16	G 82/139	E=52,C=50,B=32		
	AC CNC	CVEJP	08 41 43.9	+13 03 22					63	LWR	14788	L L O	030 00	82 339	00 51	G 82/340*	C=75,B=30		
CD	-45 4482	WREPC	08 43 05.5	-45 47 56	11.1		WN		11	LWR	14562	L L O	048 00	82 309	05 52	G 82/309*	C=1.5X,B=32		
CD	-45 4482	WREPC	08 43 05.6	-45 47 57	11.1		WN		11	SWP	18473	L L O	040 00	82 309	05 06	G 82/309*	E=172,C=115,B=32		
HD	74739	LGETS	08 43 40.5	+28 56 38	4.2		G8 III		45	SWP	18778	L L O	120 00	82 346	04 06	G 82/347*	C=100,B=43		
HD	74739	LGETS	08 43 40.6	+28 56 39	4.2		G8 III		45	LWR	14662	H L O	020 00	82 322	10 14	G 82/322*	E=82,C=142,B=32		
HD	74739	LGETS	08 43 40.6	+28 56 39	4.2		G8 III		45	SWP	18585	L L O	062 00	82 322	10 39	G 82/322*	E=54,C=70,B=32		
	ABELL 30	NPEJH	08 44 03.3	+18 04 01	14.1				70	SWP	18936	L L O	300 00	83 002	16 49	G 83/007*	E=167,C=2X,B=40		
HD	ABELL 30	NPEJH	08 44 03.3	+18 04 01	14.1				70	LWR	14983	L L O	110 00	83 002	21 55	G 83/007*	E=150,C=120,B=60		
	75021	RNEHJ	08 44 31.0	-29 32 39	7.1		R8 III		50	LWR	14074	L L O	075 00	82 244	07 53	G 82/244	E=148,C=115,B=55		
	NGC 2684	EEO77	08 51 24.0	+49 21 00	14.0				80	SWP	18295	L L O	125 00	82 288	19 41	V / *	211		
	NGC 2684	EEO77	08 51 24.0	+49 21 00	14.0				80	LWR	14419	L L O	100 00	82 289	17 30	V / *	203 4-MIN-HTR		
	ABELL 31	NPEJK	08 51 31.6	+09 05 24	0.0		0 SD		70	SWP	17233	L T O	075 00	82 167	14 39	G 82/167	C=3-4X,B=195		
	ABELL 31	NPEJK	08 51 31.7	+09 05 25	0.0		0 SD		70	LWR	13237	L L O	030 00	82 133	19 15	G 82/134	C=125,B=50		
	ABELL 31	NPEJK	08 51 31.7	+09 05 25	0.0		0 SD		70	SWP	16970	L L O	030 00	82 135	23 19	G 82/137	C=140,B=25		
	ABELL 31	NPEJK	08 51 31.7	+09 05 25	0.0		0 SD		70	SWP	18264	L L O	090 00	82 286	04 23	G 82/287	C=1.2X,B=30		
	A 31	EA137	08 51 36.0	+09 06 00	15.5				70	SWP	16926	L L O	40 00	82 128	03 22	V /	101 WRONG STAR		
	OJ 287	BLEAG	08 51 57.2	+20 17 58	13.5				87	SWP	19007	L L O	092 00	83 016	06 02	G 83/017*	C=85,B=38		
Q	O851+202	BLEAG	08 51 57.2	+20 17 58	14.3				87	LWR	15291	L L O	060 00	83 046	20 45	G 83/048*	B=150,B=80		
	OJ 287	BLEKH	08 51 57.2	+20 17 58	15.8				87	LWR	14859	L L O	393 00	82 354	19 17	G 82/355*	C=1.5X,B=80		
	OJ 287	BLEKH	08 51 57.2	+20 17 57	15.0				87	LWR	15458	L L O	179 00	83 069	12 07	G 83/077*	C=220,B=42		
	OJ 287	BLEKH	08 51 57.2	+20 17 57	15.0				87	LWR	15459	L L O	179 00	83 069	15 45	G 83/077*	C=230,B=60		
	OJ 287	BLEKH	08 51 57.2	+20 17 58	15.8				87	LWR	15466	L L O	130 00	83 070	12 09	G 83/073*	C=205,B=43		
	OJ 287	BLEKH	08 51 57.2	+20 17 58	15.8				87	LWR	15467	L L O	100 00	83 070	15 08	G 83/074*	C=170,B=40		
	OJ 287	BLEKH	08 51 57.2	+20 17 58					87	LWR	15468	L L O	070 00	83 070	17 32	G 83/074*	C=140,B=40		
Q	O851+202	BLEAG	08 51 57.3	+20 17 59	14.3				87	SWP	19241	L L O	090 00	83 043	16 05	G 83/045*	C=70,B=30		
Q	O851+202	BLEAG	08 51 57.3	+20 17 59	14.3				87	LWR	15269	L L O	060 00	83 043	17 41	G 83/045*	C=107,B=33		
Q	O851+202	BLEAG	08 51 57.3	+20 17 59	14.3				87	SWP	19262	L L O	110 00	83 046	18 49	G 83/048*	C=130,B=90		
Q	O851+202	BLEAG	08 51 57.3	+20 17 59	14.3				87	SWP	19558	L L O	105 00	83 086	11 15	G 83/087*	C=100,B=30		
	OJ 287	BLEKH	08 51 57.3	+20 17 59	15.0				87	LWR	14859	L S O	393 00	82 354	19 15	G 82/355*	C=1.5X,B=80		
	OJ 287	BLEKH	08 51 57.3	+20 17 59	15.0				87	LWR	14866	L L O	270 00	82 355	19 13	G 82/356*	C=255,B=65		
	OJ 287	BLEKH	08 51 57.3	+20 17 59	15.0				87	LWR	14867	L L O	095 00	82 356	00 12	G 82/356*	C=125,B=65		
	SKY BKGN	BLEKH	08 51 57.3	+20 17 59	15.0				87	LWR	14867	L S O	095 00	82 356	00 13	G 82/356*	B=65		



OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
HD	79186	SGEAU	09 09	15.4 -44 39 45	5.0	B5	IA	24	SWP	18349	L L 0	000	18 82	294 10 37	G 82/294*	C=205,B=17			
HD	79186	SGEAU	09 09	15.4 -44 39 45	5.0	B5	IA	24	LWR	14453	L L 0	000	05 82	294 10 41	G 82/294*	C=211,B=25			
	NGC 2784	EE098	09 10	05.0 -23 59 00	11.5			80	SWP	18471	L L 0	331	00 82	308 14 16	V /	* 103			
HD	79694	RPSTD	09 12	17.4 -43 56 17	5.84	EO.00	B6	IV	22	SWP	19527	L T 0	000	22 83	083 01 21	G 83/083*	C=200,B=31		
	G195-19	WDEGW	09 12	27.0 +53 37 58	13.8		F	WD	43	LWR	15048	L L 0	150	00 83	014 00 27	G 83/014*	C=140,B=55		
HD	80007	NPEGF	09 12	39.6 -69 30 38	1.67	EO.00	A1	V	30	LWR	15106	H L 0	000	17 83	026 02 43	G 83/026*	C=160,B=32		
HD	80007	NPEGF	09 12	39.6 -69 30 39	1.67	EO.00	A1	V	30	LWR	15107	H L 0	000	50 83	026 03 15	G 83/026*	C=1.8X,B=40		
HD	80007	NPEGF	09 12	39.6 -69 30 39	1.67	EO.00	A1	V	30	LWR	15108	H L 0	000	50 83	026 03 47	G 83/026*	C=2X,B=40		
HD	80007	NPEGF	09 12	39.6 -69 30 39	1.67	EO.00	A1	V	30	LWR	15109	H L 0	000	50 83	026 04 20	G 83/026*	C=2X,B=40		
HD	80007	NPEGF	09 12	39.6 -69 30 39	1.67	EO.00	A1	V	30	LWR	15110	H L 0	000	50 83	026 04 51	G 83/026*	C=2X,B=40		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	SWP	19582	H L 0	001	15 83	088 22 33	G 83/089*	C=255,B=40		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	LWR	15613	H L 0	000	30 83	088 22 38	G 83/089*	C=255,B=33		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	SWP	19583	H L 0	002	10 83	088 23 36	G 83/089*	C=2X,B=50		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	LWR	15614	H L 0	000	54 83	088 23 43	G 83/089*	C=2X,B=40		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	SWP	19584	H L 0	002	10 83	089 00 39	G 83/090*	C=2X,B=47		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	LWR	15615	H L 0	000	54 83	089 00 45	G 83/090*	C=2X,B=40		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	SWP	19585	H L 0	002	10 83	089 01 38	G 83/090*	C=2X,B=50		
HD	80007	NPEGF	09 12	39.7 -69 30 40	1.7		A1	V	30	LWR	15616	H L 0	000	54 83	089 01 44	G 83/090*	E=2X,B=38		
MK	19	EGEJH	09 12	53.5 +59 58 53	15.2				88	SWP	18237	L L 0	400	00 82	280 23 09	G 82/285	C=135,B=82		
MK	19	EGEJH	09 12	53.5 +59 58 53	15.2				88	FES	1378	D 2	160	00 82	281 06 24	G 82/285	NO COMMENTS		
	+81 266	EAO08	09 13	43.0 +81 56 00	11.9				16	SWP	17344	H L 0	150	00 82	184 01 17	V /	* 401		
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	SWP	18578	L L 0	2 30	82 321 12 51	V /	* 600			
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	LWR	14655	L L 0	1 30	82 321 12 57	V /	* 502 4-MIN-HTR			
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	SWP	18579	H L 0	180	00 82	321 13 23	V /	* 602		
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	LWR	14656	H L 0	150	00 82	321 16 27	V /	* 605 4-MIN-HTR		
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	SWP	18580	L L 0	2 00	82 321 19 00	V /	* 600			
	-48 1577	EIO75	09 13	50.0 -49 04 00	9.8				52	LWR	14657	L L 0	1 10	82 321 19 30	V /	* 502 4-MIN-HTR			
	2818-PN	NAERD	09 13	59.9 -36 25 14	0.5				71	FES	1399	D 2	020	00 83	052 02 45	G 83/054*	NO COMMENT		
	2818-PN	NAERD	09 13	59.9 -36 25 14	0.5				71	SWP	19311	L L 0	100	00 83	052 23 34	G 83/054*	E=149,C=67,B=65		
NGC	2818	NAERD	09 14	04.7 -36 25 44	0.5				71	SWP	19312	L L 0	090	00 83	053 03 43	G 83/054*	C=55,B=55		
NGC	2818	NAERD	09 14	23.9 -36 23 59					71	SWP	18170	L L 0	120	00 82	274 08 22	G 82/274	E=131,C=65,B=50		
NGC	2818	NAERD	09 14	24.0 -36 23 31					71	LWR	14305	L L 0	060	00 82	274 10 24	G 82/274	E=160,C=80,B=70		
	2818-PN	NAERD	09 14	24.0 -36 24 00	0.5				71	LWR	15352	L L 0	204	00 83	053 01 49	G 83/054*	E=252,C=215,B=160		
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	SWP	18353	L L 0	6 82	294 15 02	V /	* 501			
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	SWP	18353	L S 0	35 82	294 15 07	V /	* 501			
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	LWR	14456	L L 0	5 82	294 15 11	V /	* 602 4-MIN-HTR, MN=77			
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	LWR	14456	L S 0	5 82	294 15 15	V /	* 402 4-MIN-HTR, MN=77			
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	SWP	18354	L L 0	15 82	294 15 53	V /	* 700			
HD	80081	EA115	09 15	44.0 +37 02 00	3.8				36	SWP	18354	L S 0	45 82	294 16 00	V /	* 700			
HD	80586	LGETS	09 18	02.5 -09 20 34	4.8		G8	III	45	SWP	17287	L L 0	090	00 82	174 06 06	G 82/174	C=75,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
	KS 292 EAO35	09 18 20.0	-45 19 00	11.3				* 16 SWP 17910	L L 0	1 30 82 253 16 41	V /	* 600		
	KS 292 EAO35	09 18 20.0	-45 19 00	11.3				* 16 LWR 14141	L L 0	2 00 82 253 16 47	V /	* 502	4-MIN-HTR	
	KS 292 EAO35	09 18 20.0	-45 19 00	11.3				* 16 SWP 17911	H L 0	125 00 82 253 17 15	V /	* 502		
HD	81471 VVETS	09 22 18.9	-51 31 16	6.07		A7 IB	33 LWR 14238	L T 0	002 00 82 266 13 17	G 82/266		C=200,B=44		
HD	81410 RSETS	09 22 33.9	-23 36 35	7.5		K1 III	47 LWR 14595	H L 0	025 00 82 314 05 29	G 82/314*		E=85,C=73,B=25		
HD	81410 RSETS	09 22 33.9	-23 36 35	7.5		K1 III	47 SWP 18520	L L 0	060 00 82 314 05 59	G 82/314*		E=58,C=43,B=33		
HD	81997 LDEDS	09 26 36.6	-02 32 58	4.6		F6 V	41 LWR 13591	H L 0	015 00 82 183 17 29	G 82/187		E=220,C=2X,B=130		
HD	81997 LDEDS	09 26 36.6	-02 32 58	4.6		F6 V	41 LWR 13592	H L 0	015 00 82 183 18 18	G 82/187		E=192,C=2X,B=115		
HD	81997 LDEDS	09 26 36.6	-02 32 58	4.6		F6 V	41 SWP 19482	L L 0	180 00 83 077 11 08	G 83/080*		E=225,C=10X,B=38		
	NGC 2903 EE207	09 29 20.0	+21 43 00	12.0			80 SWP 17085	L L 0	195 00 82 152 00 45	V /		312		
	NGC 2903 EM264	09 29 20.0	+21 43 00	10.0			80 SWP 16999	L L 0	180 00 82 140 01 06	V /		302		
	NGC 2903 EM264	09 29 20.0	+21 43 00	10.0			80 LWR 13279	L L 0	210 00 82 140 04 13	V /		306	4-MIN-HTR-WM-UP	
HD	82328 RPSTD	09 29 31.4	+51 54 23	3.20	EO.OO	F6 IV	41 SWP 19466	L T 0	002 30 83 074 23 51	G 83/076*		C=167,B=60		
HD	82328 RPSTD	09 29 31.4	+51 54 23	3.20	EO.OO	F6 IV	41 LWR 15500	L T 0	000 14 83 075 00 06	G 83/076*		C=235,B=30		
HD	82328 RPSTD	09 29 31.4	+51 54 23	3.20	EO.OO	F6 IV	41 LWR 15526	L T 0	000 12 83 079 20 40	G 83/080*		C=205,B=26		
HD	82443 CCFDS	09 29 49.8	+27 12 49	7.01		G9 V	44 LWR 15506	L L 0	007 00 83 075 23 37	G 83/076*		C=2X,B=35		
HD	82443 CCFDS	09 29 49.8	+27 12 49	7.01		G9	44 SWP 19488	L L 0	420 00 83 078 11 17	G 83/080*		E=198,C=160,B=99		
HD	82558 RSETS	09 30 00.5	-10 57 48	7.8		KO III	47 SWP 18519	L L 0	060 00 82 314 04 13	G 82/314*		E=58,C=48,B=33		
HD	82901 EC275	09 30 59.0	-62 34 00	7.0			51 LWP 1609	H L 0	17 00 82 188 20 35	V /		* 032		
HD	82901 EI220	09 30 59.0	-62 34 00	8.0			51 LWR 14161	L L 0	3 00 82 255 23 15	V /		* 132	MN=371	
HD	82901 EI273	09 30 59.0	-62 34 00	9.0			* 51 LWR 14103	H L 0	60 00 82 249 20 55	V /		* 132	4-MIN-HTR, MN=86	
HD	82829 IBEMP	09 31 19.9	-44 59 11	7.7		A5 V	39 LWR 14055	L L 0	003 00 82 242 11 01	G 82/243		C=190,B=26		
HD	82829 IBEMP	09 31 19.9	-44 59 11	7.7		A5 V	39 SWP 17807	L L 0	010 00 82 242 11 12	G 82/243		C=240,B=18		
HD	82829 CBEDL	09 31 20.0	-44 59 09	8.0		A5 V	33 SWP 17709	L L 0	010 00 82 228 13 38	G 82/229		C=1.5X,B=90		
HD	82829 CBEDL	09 31 20.0	-44 59 09	8.0		A5 V	33 SWP 17709	L S 0	010 00 82 228 14 00	G 82/229		C=220,B=90		
HD	82829 CBEDL	09 31 20.0	-44 59 09	8.0		A5 V	33 LWR 13965	L L 0	008 00 82 228 14 24	G 82/229		C=2X,B=59		
HD	82829 CBEDL	09 31 20.0	-44 59 09	8.0		A5 V	33 LWR 13965	L S 0	006 00 82 228 14 40	G 82/229		C=240,B=59		
HD	82885 LDERN	09 32 40.0	+36 02 14	5.5		G8 IV	44 LWR 13233	H L 0	040 00 82 132 20 39	G 82/133		E=214,C=190,B=90		
HD	82885 LDERN	09 32 40.0	+36 02 14	5.5		G8 IV	44 SWP 16947	L L 0	140 00 82 132 21 24	G 82/133		E=184,C=180,B=115		
	ABELL 33 NPEJK	09 36 37.2	-02 34 57	0.0		O SD	70 LWR 13236	L L 0	030 00 82 133 17 50	G 82/134		C=105,B=40		
	ABELL 33 NPEJK	09 36 37.2	-02 34 57	0.0		O SD	70 SWP 16952	L L 0	030 00 82 133 18 23	G 82/134		C=135,B=32		
HD	83618 HCETA	09 37 18.1	-00 54 53	3.89		K3 III	39 LWR 13170	L L 0	002 18 82 124 23 36	G 82/125		E=91,C=100,B=25		
HD	83618 HCETA	09 37 18.1	-00 54 53	3.9		K3 III	39 SWP 19242	L L 0	020 00 83 044 15 29	G 83/045*		E=34,B=20		
HD	83618 HCETA	09 37 18.3	-00 54 53	3.9		K3 III	39 LWR 15279	L L 0	006 00 83 044 15 19	G 83/045*		E=225,C=200,B=20		
HD	83754 STAND	09 37 54.0	-14 06 00	5.1			21 SWP 18884	L S 0	8 82 359 10 47	V /		* 601		
HD	83754 STAND	09 37 54.0	-14 06 00	5.1			21 SWP 18884	L L 0	9 82 359 10 52	V /		* 501	TR 2.185*/SEC.	
HD	83754 STAND	09 37 54.0	-14 06 00	5.1			21 LWR 14903	L S 0	4 82 359 10 58	V /		* 502	MN=860	
HD	83754 STAND	09 37 54.0	-14 06 00	5.1			21 LWR 14903	L L 0	5 82 359 11 02	V /		* 502	TR 3.698*/SEC.	
	HE2 -36 NPEWF	09 41 50.6	-57 03 11	10.4			70 SWP 17851	L L 0	010 00 82 248 13 23	G 82/250		C=85,B=85		
	HE2 -36 NPEWF	09 41 50.6	-57 03 11	10.4			70 LWR 14092	L L 0	010 00 82 248 13 40	G 82/250		C=65,B=60		

OBJECT ID	PRG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR	DAY			
ABELL 34	NPEJK	09 43 10.0	-12 56 22	0.0		0	SD	70	SWP 16951	L L 0	100 00	82 133 15 54	G 82/134	E=186,C=227,B=105						
NGC 2997	EE211	09 43 27.0	-30 58 00	12.0				80	LWR 13489	L L 0	180 00	82 163 22 51	V /	306 4-MIN-HTR-WM-UP						
NGC 2997	EE216	09 43 27.0	-30 58 00	12.0				80	SWP 17211	L L 0	210 00	82 164 22 42	V /	301						
HD 85123	VVETS	09 45 51.2	-64 50 22	3.0		A9	II	33	SWP 18817	L T 0	000 55	82 352 20 39	G 82/354*	C=1.5X,B=21						
HD 84937	ECO67	09 46 12.0	+13 59 00	8.2				40	SWP 18873	L L 0	40 00	82 357 15 12	V /	* 701 30 PIX SAT						
HD 84937	ECO67	09 46 12.0	+13 59 00	8.2				40	LWR 14881	L L 0	10 00	82 357 15 55	V /	* 702						
HD 84937	ECO67	09 46 12.0	+13 59 00	8.2				40	LWR 14881	L S 0	7 00	82 357 16 12	V /	* 502						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1548	L L 0	001 30	82 132 08 57	G 82/132	C=200,B=35						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1578	L L 0	001 30	82 163 06 44	G 82/166	C=180,B=33						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1580	L M 0	002 12	82 163 13 21	G 82/166	C=220,B=95,+20 FLD						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1580	L M 0	002 12	82 163 13 24	G 82/166	C=220,B=95,+20 FLD						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1602	L L 0	001 30	82 182 06 12	G 82/183	C=180,B=31						
HD 237844	QSEAD	09 48 31.4	+55 57 38	9.4		B3	V	21	LWP 1753	L M 0	000 44	82 364 01 25	G 82/364*	C=160,B=105						
PG 0948+343	CVEHB	09 48 51.5	+34 21 34	14.4				63	SWP 19039	L L 0	030 00	83 019 23 20	G 83/020*	C=85,B=55						
LSS 1362	HSEJD	09 50 47.7	-46 02 42	12.3		05	SD	16	SWP 18086	L L 0	004 00	82 267 00 23	G 82/267	C=195,B=20						
LSS 1362	HSEJD	09 50 47.7	-46 02 42	12.3		05	SD	16	LWR 14242	L L 0	007 00	82 267 00 33	G 82/267	C=170,B=27						
HD 86005	CCEBB	09 52 38.0	-43 05 06	8.0				47	LWR 14620	L T 0	020 00	82 318 07 05	G 82/320*	E=234,C=120,B=45						
Q STAR 1	QSEAD	09 57 36.3	+56 07 09	12.8				85	FES 1386	D 2	020 00	82 363 19 23	G 82/364*							
Q0957+56	EE251	09 57 57.0	+56 08 00	17.0				85	LWP 1744	L L 0	390 00	82 349 11 11	V /	* 342						
Q0957+561	EE521	09 57 57.0	+56 08 00	17.5				85	LWP 1565	L L 0	323 00	82 154 23 37	V /	233						
Q 0957+561	QSEAD	09 57 57.2	+56 08 17	0.0				85	LWP 1603	L L 0	320 00	82 182 07 18	G 82/183	E=178,C=163,B=106						
Q 0957+561	QSEAD	09 57 57.3	+56 08 18	0.0				85	LWP 1550	L L 0	330 00	82 132 10 05	G 82/132	NO COMMENTS						
Q 0957+561	QSEAD	09 57 57.3	+56 08 18	0.0				85	FES 1361	D 2	020 00	82 163 07 13	G 82/166	NO COMMENTS						
Q 0957+561	QSEAD	09 57 57.3	+56 08 18	0.0				85	LWP 1579	L L 0	315 00	82 163 07 32	G 82/166	E=153,C=120,B=80						
Q 0957+561	QSEAD	09 57 57.3	+56 08 18	17.5				85	LWP 1752	L L 0	300 00	82 363 19 44	G 82/364*	E=229,C=200,B=145						
+18 2307	ECO48	09 58 56.0	+17 39 00	9.7				46	LWR 13479	L L 0	25 00	82 162 22 55	V /	233						
+18 2307	ECO48	09 58 56.0	+17 39 00	9.7				46	SWP 17197	L L 0	251 00	82 162 23 24	V /	122 SEE VILSPA LOG						
+18 2307	ECO48	09 58 56.0	+17 39 00	9.7				46	LWR 13480	L L 0	25 00	82 163 02 29	V /	233						
+18 2307	ECO48	09 58 56.0	+17 39 00	9.7				46	LWR 13481	L L 0	40 00	82 163 03 42	V /	343						
+18 2307	ECO48	09 58 56.0	+17 39 00	9.7				46	LWR 13482	L L 0	40 00	82 163 05 00	V /	333						
3C 234	OSERP	09 58 57.4	+29 01 37	17.3				86	SWP 18502	L L 0	183 00	82 312 00 46	G 82/312*	C=70,B=40						
1001+291	QCEBW	10 01 10.7	-29 10 09	15.6				85	SWP 19448	L L 0	385 00	83 071 12 24	G 83/073*	E=253,C=150,B=75						
1001+291	QCEBW	10 01 10.7	-29 10 19	15.6				85	LWR 15480	L L 0	380 00	83 072 12 21	G 83/073*	E=232,C=205,B=80						
NGC 3115	EPEJC	10 02 44.4	-07 28 32	11.1			KO	81	LWR 15447	L L 0	172 00	83 067 11 43	G 83/076*	E=125,C=95,B=32						
Q 1004+130	XQEMS	10 04 44.9	+13 03 37	0.0				85	LWR 15079	L L 0	057 00	83 020 22 48	G 83/021*	C=180,B=110						
1004+130	UK427	10 04 45.0	+13 04 00	14.0				85	SWP 16824	L L 0	371 00	82 114 03 36	V /	333						
HD 88366	EC275	10 04 46.0	-61 18 00	7.0				51	LWP 1610	H L 0	60 00	82 188 21 35	V /	* 032						
HD 87901	NPEGF	10 05 42.5	+12 12 44	1.36	EO.00	B7	V	22	LWR 15111	H L 0	000 09	83 026 05 41	G 83/026*	C=240,B=33						
HD 87901	NPEGF	10 05 42.5	+12 12 44	1.36	EO.00	B7	V	22	SWP 19085	H L 0	000 14	83 026 05 45	G 83/026*	C=235,B=40						
HD 87901	NPEGF	10 05 42.5	+12 12 44	1.36	EO.00	B7	V	22	LWR 15112	H L 0	000 09	83 026 06 41	G 83/026*	C=235,B=35						







OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
HD	90657 WREPC	10 24	40.8	-58 23 10	9.8		WN	11	LWR	14565	L L D	005 00	82 309	11 16	G	82/309*	C=160,B=25				
HD	90772 EC201	10 25	32.0	-57 23 00	4.7			40	LWR	13833	L L D	3 12	82 213	18 39	V	/	* 702 TRAIL, R=.104, MN=				
HD	90772 EC201	10 25	32.0	-57 23 00	4.7			40	LWR	13833	L S D	1 00	82 213	18 50	V	/	* 502 MN=457				
HD	90772 EC201	10 25	32.0	-57 23 00	4.7			40	SWP	17554	L L D	5 00	82 213	19 10	V	/	* 500				
HD	90772 EC201	10 25	32.0	-57 23 00	4.7			40	SWP	17554	L S D	5 00	82 213	19 25	V	/	* 300				
HD	90853 SGEBM	10 26	02.3	-58 29 01	3.8		FO II	40	LWR	15321	L L D	000 18	83 049	04 51	G	83/053*	C=2X,B=20				
HD	90853 SGEBM	10 26	02.3	-58 29 01	3.8		FO II	40	SWP	19285	L L D	001 30	83 049	04 55	G	83/053*	C=215,B=20				
HD	90839 RPSTD	10 27	26.4	+56 14 15	4.84	E-.01	F8 V	41	LWR	15402	L T D	001 10	83 060	22 46	G	83/061*	C=220,B=25				
HD	91316 RPSTD	10 30	10.7	+09 33 52	3.85	EO.05	B1 IAB	23	LWR	15529	L T D	000 01	83 080	00 01	G	83/080*	C=215,B=31				
HD	91316 RPSTD	10 30	10.7	+09 33 52	3.85	EO.05	B1 IAB	23	SWP	19501	L T D	000 03	83 080	00 22	G	83/080*	C=1.2X,B=31				
HD	91316 RPSTD	10 30	10.7	+09 33 51	3.85	EO.05	B1 IAB	23	SWP	19520	L T D	000 02	83 082	11 29	G	83/082*	C=200,B=18				
HD	91312 EA051	10 30	19.0	+40 41 00	4.7			31	LWR	14331	H L D	12 30	82 276	20 35	V	/	* 502 4-MIN-HTR				
PG	1031-115 WDECB	10 31	24.0	-11 29	0.0		05 WD	37	SWP	17014	L L D	012 00	82 141	22 08	G	82/144	C=220,B=18				
	1032+406 EA115	10 32	18.0	+40 36 00	11.5			20	SWP	18355	H L D	130 00	82 294	16 56	V	/	* 402				
	1032+406 EA115	10 32	18.0	+40 36 00	11.5			20	LWR	14457	H L D	130 00	82 294	19 11	V	/	* 304 4-MIN-HTR				
	1032+406 EA115	10 32	18.0	+40 36 00	11.5			20	SWP	18356	L L D	1 40	82 294	21 26	V	/	* 400				
	1032+406 EA115	10 32	18.0	+40 36 00	11.5			20	SWP	18356	L S D	3 00	82 294	21 32	V	/	* 400				
HD	91942 HCETA	10 33	39.6	-57 17 54	4.44		K3 III	39	SWP	17372	L L D	002 00	82 188	11 14	G	82/189	C=20,B=20				
PG	1034+001 HEEES	10 34	30.3	+00 07 15	13.3		WD	17	SWP	18509	H L D	030 00	82 312	21 16	G	82/313*	C=160,B=70				
PG	1034+001 HEEES	10 34	30.3	+00 07 15	13.3		WD	17	LWR	14587	H L D	235 00	82 313	04 54	G	82/313*	C=160,B=70				
	U HYA RNEHJ	10 35	05.0	-13 07 26	4.8		N2 IB	50	LWR	14846	L L D	270 00	82 352	22 55	G	82/354*	E=2X,C=150,B=43				
NGC	3310 EGEJH	10 35	39.0	+53 45 54	12.0			88	LWR	13568	L L D	038 00	82 179	13 21	G	82/183	C=138,B=60				
NGC	3310 EGEJH	10 35	39.0	+53 45 54	12.0			88	SWP	17323	L L D	040 00	82 181	13 09	G	82/183	C=79,B=35				
	F 34 EAO08	10 36	41.0	+43 22 00	11.2			16	SWP	17349	H L D	120 00	82 184	20 59	V	/	* 501				
HD	92626 RNEHJ	10 38	41.8	-47 45 49	7.1		III	50	LWR	15380	L L D	055 00	83 057	20 50	G	83/059*	C=2X,B=100				
	NGC 3351 EE130	10 41	19.0	+11 58 00	12.5			80	LWR	14695	L L D	130 00	82 326	12 48	V	/	* 306 4-MIN-HTR				
	NGC 3351 EE130	10 41	19.0	+11 58 00	12.5			80	SWP	18628	L L D	284 00	82 326	15 03	V	/	* 302				
HD	93162 WREPC	10 42	14.2	-59 27 24	8.2		WN	11	LWR	13343	L L D	002 00	82 149	20 38	G	82/152	C=1.2X,B=32				
HD	93162 WREPC	10 42	14.2	-59 27 24	8.2		WN	11	SWP	17065	L L D	002 00	82 149	20 45	G	82/152	E=220,C=245,B=44				
HD	93162 WREPC	10 42	14.2	-59 27 24	8.2		WN	11	LWR	14563	L L D	001 45	82 309	08 23	G	82/309*	C=2X,B=28				
HD	93162 WREPC	10 42	14.2	-59 27 24	8.2		WN	11	SWP	18475	L L D	002 00	82 309	08 29	G	82/309*	E=255,C=255,B=18				
NGC	3372 NDEKD	10 42	28.4	-59 48 32				72	FES	1383	F 2	160 00	82 314	20 47	G	82/314*	NO COMMENTS				
NGC	3372 NDEKD	10 42	28.4	-59 48 32				72	SWP	18527	L L D	060 00	82 314	21 07	G	82/314*	E=134,C=50,B=30				
	ETACARES NDEKD	10 42	28.4	-59 48 32				72	LWR	14599	L L D	030 00	82 314	22 11	G	82/314*	C=84,B=33				
NGC	3372 NAERD	10 42	42.6	-59 25 15	0.5			72	SWP	18168	H L D	300 00	82 274	00 00	G	82/274	C=110,B=65				
NGC	3372 NAERD	10 42	42.6	-59 25 15	0.5			72	LWR	14304	L L D	030 00	82 274	05 05	G	82/274	C=80,B=33				
NGC	3372 NAERD	10 42	42.6	-59 25 15	0.5			72	SWP	18169	L L D	060 00	82 274	05 40	G	82/274	C=50,B=32				
NGC	3372 NAERD	10 42	42.7	-59 25 16	0.5			72	FES	1377	D 2	000 08	82 274	03 44	G	82/274	NO COMMENTS				
NGC	3372 NDEKD	10 42	58.2	-59 24 44				73	LWR	14612	L L D	085 00	82 317	02 19	G	82/319*	C=130,B=40				
	ETA CAR NDEKD	10 43	05.1	-59 25 19				61	LWR	14610	L L D	040 00	82 316	21 07	G	82/319*	E=248,C=88,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 A L S P A P R P	EXPOSE TIME MIN SE YR	OBSERVATION DATE HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS		
ETA CARS	NDEKD	10 43 05.1	-59 25 19				61 SWP	18540	L L 0	180 00 82	316 21 51	G	82/319*	E=201,C=88,B=42		
ETACAR S	NDEKD	10 43 05.2	-59 25 21				61 SWP	18533	L M 0	160 00 82	315 21 10	G	82/316*	E=146,C=72,B=42		
ETACAR S	NDEKD	10 43 05.3	-59 25 20				61 SWP	18503	L L 0	120 00 82	312 04 52	G	82/313*	E=212,C=90,B=45		
ETA CARS	NDEKD	10 43 05.3	-59 25 21				61 LWR	14581	L L 0	060 00 82	312 07 01	G	82/313*	E=3X,C=200,B=45		
ETACAR S	NDEKD	10 43 05.5	-59 25 19				61 SWP	18491	L L 0	060 00 82	311 05 05	G	82/313*	E=63,C=40,B=30		
ETACAR S	NDEKD	10 43 05.5	-59 25 19				61 SWP	18491	L L 0	060 00 82	311 05 05	G	82/313*	E=63,C=60,B=30		
ETACAR S	NDEKD	10 43 05.5	-59 25 20				61 LWR	14576	L S 0	060 00 82	311 06 08	G	82/313*	E=119,C=70,B=32		
ETACAR S	NDEKD	10 43 05.5	-59 25 20				61 LWR	14576	L L 0	060 00 82	311 06 09	G	82/313*	E=119,C=190,B=32		
ETACARWE	NDEKD	10 43 05.5	-59 25 18				61 LWR	14605	L L 0	030 00 82	316 00 11	G	82/316*	E=2X,C=110,B=30		
ETACAR W	NDEKD	10 43 05.5	-59 25 03				61 SWP	18534	L L 0	178 00 82	316 00 52	G	82/316*	E=1.5X,C=240,B=56		
ETA CARN	NDEKD	10 43 05.6	-59 25 04				61 LWR	14611	L L 0	030 00 82	317 01 00	G	82/319*	E=4X,C=2X,B=30		
ETA CARN	NDEKD	10 43 05.6	-59 25 05				61 SWP	18541	L L 0	030 00 82	317 01 36	G	82/319*	E=98,C=48,B=26		
ETACAR W	NDEKD	10 43 06.1	-59 25 17				61 LWR	14600	L S 0	015 00 82	315 01 07	G	82/315*	E=75,C=60,B=30		
ETACAR W	NDEKD	10 43 06.1	-59 25 17				61 LWR	14600	L L 0	015 00 82	315 01 08	G	82/315*	C=60,B=30		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 SWP	18495	L S 0	010 00 82	311 11 14	G	82/313*	E=40,C=40,B=20		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 SWP	18495	L L 0	010 00 82	311 11 15	G	82/313*	E=40,C=40,B=20		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 LWR	14584	L S 0	010 00 82	312 10 29	G	82/313*	E=255,C=140,B=32		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 LWR	14584	L L 0	010 00 82	312 10 30	G	82/313*	E=255,C=60,B=32		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 SWP	18505	L S 0	035 00 82	312 11 13	G	82/313*	E=160,C=85,B=38		
ETACARNW	NDEKD	10 43 06.3	-59 25 13				61 SWP	18505	L L 0	035 00 82	312 11 14	G	82/313*	E=160,C=85,B=38		
ETA CAR	NDEKD	10 43 06.8	-59 25 15	+5.8		WN	61 SWP	18494	L S 0	001 00 82	311 09 56	G	82/312*	E=156,C=80,B=20		
ETA CAR	NDEKD	10 43 06.8	-59 25 15	+5.8		WN	61 LWR	14578	L S 0	001 00 82	311 11 06	G	82/312*	C=4X,B=25		
ETA CAR	NDEKD	10 43 06.8	-59 25 15				61 LWR	14583	L S 0	000 20 82	312 09 51	G	82/313*	E=255,C=210,B=25		
ETA CAR	NDEKD	10 43 06.9	-59 25 15				61 SWP	18539	L S 0	002 00 82	316 20 55	G	82/319*	E=250,C=60,B=22		
ETACARES	NDEKD	10 43 07.5	-59 25 33				61 SWP	18528	L L 0	120 00 82	314 22 58	G	82/314*	E=120,C=55,B=36		
ETACARNN	NDEKD	10 43 07.5	-59 25 07				61 SWP	18529	L S 0	120 00 82	315 01 45	G	82/315*	NO COMMENTS		
ETACARNN	NDEKD	10 43 07.5	-59 25 07				61 SWP	18529	L L 0	120 00 82	315 01 46	G	82/315*	NO COMMENTS		
ETACAR64	NDEKD	10 43 08.2	-59 25 06				61 SWP	18492	L L 0	008 00 82	311 07 23	G	82/312*	C=175,B=18		
ETA CAR6	NDEKD	10 43 08.2	-59 25 07				61 SWP	18493	L L 0	020 00 82	311 08 18	G	82/312*	C=2X,B=35		
ETACAR64	NDEKD	10 43 08.2	-59 25 07				61 LWR	14577	L L 0	012 00 82	311 09 05	G	82/312*	C=1.5X,B=38		
ETACAR S	NDEKD	10 43 08.2	-59 25 07				61 SWP	18504	L L 0	018 00 82	312 08 15	G	82/313*	C=215,B=34		
ETACAR S	NDEKD	10 43 08.2	-59 25 07				61 LWR	14582	L L 0	010 00 82	312 09 01	G	82/313*	C=210,B=35		
TR16/112	EM282	10 43 20.0	-59 28 00	9.3			12 LWR	13565	L L 0	3 00 82	178 22 54	V	/	502 4-MIN-HTR-WM-UP		
TR16/112	EM282	10 43 20.0	-59 28 00	9.3			12 SWP	17304	H L 0	386 00 82	178 23 21	V	/	603MOD REF POS -27,		
HD 93632	EM221	10 45 16.0	-59 50 00	8.3			13 LWR	14296	H L 0	65 00 82	272 22 29	V	/	* 403 4-MIN-HTR		
HD	93521	PHCAL	10 45 33.6	+37 50 04	7.0	EO.03	09	V	12 SWP	16772	L L 0	000 03 82	106 00 40	G	82/106	C=150,B=18
HD	93521	PHCAL	10 45 33.6	+37 50 04	7.0	EO.03	09	V	12 SWP	16772	L S 0	000 09 82	106 00 44	G	82/106	C=215,B=18
HD	93521	PHCAL	10 45 33.6	+37 50 04	7.0	EO.03	09	V	12 LWR	13029	L S 0	000 09 82	106 00 48	G	82/106	C=205,B=23
HD	93521	PHCAL	10 45 33.6	+37 50 04	7.0	EO.03	09	V	12 LWR	13029	L L 0	000 03 82	106 00 52	G	82/106	C=140,B=23
HD	93521	PHCAL	10 45 33.6	+37 50 04	7.0	EO.03	09	V	12 LWP	1543	L L 0	000 03 82	129 19 22	G	82/132	C=200,B=35

OBJECT ID	PRG 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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PRC DATE YR/DAY	OBSERVERS COMMENTS
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1543	L S 0	000 09 82 129 19 25	G 82/132	C=1.5X,B=35		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	FES 1359	D 2	020 00 82 134 18 51	G 82/137			
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 16961	L L 0	000 03 82 134 19 07	G 82/137	C=165,B=15		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 16961	L S 0	000 09 82 134 19 12	G 82/137	C=230,B=15		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 13246	L L 0	000 03 82 134 19 15	G 82/137	C=140,B=25		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 13246	L S 0	000 09 82 134 19 21	G 82/137	C=215,B=25		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1592	L L 0	000 03 82 178 15 04	G 82/182	C=150,B=32		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1593	L L 0	000 03 82 178 15 45	G 82/189	B=3		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1594	L L 0	000 03 82 178 16 15	G 82/182	C=160,B=32		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1595	L L 0	000 03 82 178 16 45	G 82/189	B=3		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1596	L L 0	000 03 82 178 17 03	G 82/182	C=165,B=32		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 17333	L L 0	000 03 82 182 19 27	G 82/189	C=163,B=17		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 18377	L S 0	000 03 82 297 03 48	G 82/297*	C=145,B=17		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 14472	L L 0	000 03 82 297 03 52	G 82/297*	C=140,B=25		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1700	L L 0	000 03 82 302 06 45	G 82/305*	C=180,B=33		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1701	L T 0	000 11 82 302 07 20	G 82/305*	C=180,B=35		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 18422	L T 0	000 12 82 302 07 34	G 82/305*	E=101,C=200,B=20		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 14515	L T 0	000 12 82 302 11 24	G 82/305*	C=180,B=25		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 18518	L S 0	000 09 82 314 03 06	G 82/314*	C=245,B=16		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 18518	L L 0	000 03 82 314 03 11	G 82/314*	C=145,B=16		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 14594	L S 0	000 09 82 314 03 14	G 82/314*	C=200,B=22		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 14594	L L 0	000 03 82 314 03 18	G 82/314*	C=145,B=22		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1715	L S 0	000 09 82 315 10 45	G 82/315*	C=1.3X,B=33		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1715	L L 0	000 03 82 315 10 49	G 82/315*	C=183,B=33		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 14974	L L 0	000 03 83 001 06 14	G 83/008*	C=140,B=25		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 18925	L L 0	000 03 83 001 06 17	G 83/008*	C=155,B=18		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1763	L L 0	000 03 83 006 18 08	G 83/008*	C=196,B=34		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 19250	L T 0	000 12 83 045 16 09	G 83/046*	C=180,B=18		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 15287	L T 0	000 12 83 045 16 19	G 83/046*	C=170,B=27		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 15363	L S 0	000 09 83 055 00 23	G 83/058*	C=235,B=23		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 15363	L L 0	000 03 83 055 00 27	G 83/058*	C=160,B=23		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 19317	L S 0	000 09 83 055 01 31	G 83/059*	C=150,B=18		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	SWP 19317	L L 0	000 03 83 055 01 35	G 83/059*	C=225,B=18		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1810	L S 0	000 09 83 055 01 38	G 83/059*	C=225,B=35		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1810	L L 0	000 03 83 055 01 43	G 83/059*	C=185,B=35		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWP 1820	L L 0	000 03 83 065 01 31	G 83/066*	C=195,B=32		
HD	93521	PHCAL	10 45 33.6 +37 50 04	7.0	EO.03	09 V	12	LWR 15446	L L 0	000 03 83 067 01 40	G 83/081*	C=160,B=22		
LSS	1922	HSEJD	10 45 57.9 -58 52 46	10.5		BB IB	27	SWP 17048	L L 0	240 00 82 146 08 48	G 82/147	C=118,B=52		
MK	153	EGEJH	10 46 03.8 +52 35 50	14.9			88	SWP 17314	L L 0	345 00 82 180 07 17	G 82/183	C=180,B=107		
HD	94305	WREPC	10 49 10.0 -62 01 08	11.7		WC	10	SWP 18468	L L 0	020 00 82 308 07 56	G 82/308*	E=121,C=70,B=30		

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE				ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN			
HD	94305	WREPC	10 49 10.1	-62 01 08	11.7		WC	10	LWR	13383	L L O	017 00	82 153	14 11	G 82/154	E=195,C=172,B=66						
HD	94305	WREPC	10 49 10.1	-62 01 08	11.7		WC	10	SWP	17099	L L O	013 00	82 153	14 34	G 82/154	E=158,C=146,B=112						
HD	94305	WREPC	10 49 10.1	-62 01 08	11.7		WC	10	SWP	18454	L L O	010 00	82 306	11 43	G 82/307*	E=63,C=50,B=20						
HD	94305	WREPC	10 49 10.1	-62 01 08	11.7		WC	10	LWR	14559	L L O	020 00	82 308	07 19	G 82/308*	E=160,C=160,B=25						
	1050+04	EE235	10 50 29.0	+04 51 00	13.5			80	SWP	18807	L L O	382 00	82 350	11 25	V /	* 413						
HD	94546	WREPC	10 51 43.3	-59 14 48	10.7		WN	11	LWR	13344	L L O	015 00	82 149	21 29	G 82/152	C=220,B=38						
HD	94546	WREPC	10 51 43.3	-59 14 48	10.7		WN	11	SWP	17066	L L O	015 00	82 149	22 03	G 82/152	E=133,C=126,B=32						
HD	94546	WREPC	10 51 43.3	-59 14 48	10.7		WN	11	SWP	18453	L L O	015 00	82 306	10 32	G 82/307*	E=246,C=175,B=75						
HD	94546	WREPC	10 51 43.3	-59 14 48	10.7		WN	11	LWR	14549	L L O	015 00	82 306	10 57	G 82/307*	C=255,B=41						
HD	94878	EI203	10 53 58.0	-60 08 00	8.7			26	LWR	14625	L L O	3 00	82 318	16 27	V /	* 502 4-MIN-HTR						
HD	94878	EI203	10 53 58.0	-60 08 00	8.7			26	SWP	18555	L L O	10 00	82 318	16 50	V /	* 601						
HD	95272	LGEEB	10 57 20.0	-18 01 55	+4.1		FO	III	47	SWP	19024	L L O	240 00	83 017	22 28	G 83/018*	E=98,C=125,B=90					
HD	95272	LGEEB	10 57 20.0	-18 01 55	+4.1		FO	III	47	LWR	15067	H L O	060 00	83 018	02 32	G 83/018*	E=164,C=190,B=43					
HD	95435	WREPC	10 57 54.6	-57 32 56	12.3		WC	10	SWP	18467	L L O	030 00	82 308	06 16	G 82/308*	E=168,C=55,B=21						
HD	95435	WREPC	10 57 54.7	-57 32 56	12.3		WC	10	LWR	14558	L L O	024 00	82 308	05 43	G 82/308*	E=230,C=100,B=25						
HD	95435	WREPC	10 57 54.7	-57 32 56	12.3		WC	10	SWP	18474	L L O	040 00	82 309	07 09	G 82/309*	E=175,C=75,B=32						
MARK	421	BLEYK	11 01 40.5	+38 28 45	13.5			87	LWR	15117	L L O	090 00	83 026	17 00	G 83/027*	C=210,B=33						
MARK	421	BLEYK	11 01 40.5	+38 28 45	13.5			87	SWP	19088	L L O	150 00	83 026	18 36	G 83/027*	C=200,B=66						
MARK	421	BLEYK	11 01 40.5	+38 28 45	13.5			87	LWR	15118	L L O	075 00	83 026	21 11	G 83/027*	C=255,B=100						
	1103+254	CVEJL	11 02 58.4	+25 22 42	15		EO.OO CV	54	SWP	17369	L L O	045 00	82 187	17 39	G 82/188	E=157,C=115,B=115						
	1103+254	CVEJL	11 02 58.4	+25 22 42	15		EO.OO CV	54	LWR	13620	L L O	041 00	82 187	18 34	G 82/188	C=50,B=45						
	1103+254	CVEJL	11 02 58.4	+25 22 42	15		EO.OO CV	54	SWP	17370	L L O	030 00	82 187	19 18	G 82/188	E=50,C=33,B=30						
	1103+254	OD708	11 02 58.4	+25 22 42	15			54	SWP	17358	L L O	030 00	82 185	19 12	G 82/187	E=113,C=125,B=100						
	1102+254	OD708	11 02 58.5	+25 22 38	15			59	SWP	16858	L L O	030 00	82 119	14 59	G 82/119	E=52,C=30,B=30						
	1102+254	OD708	11 02 58.5	+25 22 38	15			59	LWR	13105	L L O	025 00	82 119	15 33	G 82/119	E=74,C=27,B=25						
	1102+254	OD708	11 02 58.5	+25 22 38	15			59	SWP	16859	L L O	038 00	82 119	16 11	G 82/119	C=42,B=40						
	1102+254	OD708	11 02 58.5	+25 22 38	15			59	LWR	13106	L L O	065 00	82 119	16 52	G 82/119	B=63						
NGC	3516	EE278	11 03 23.0	+72 50 00	13.0			84	SWP	16882	L L O	250 00	82 122	01 20	V /	452						
NGC	3516	EE278	11 03 23.0	+72 50 00	13.0			84	LWR	13135	L L O	114 00	82 122	05 46	V /	454						
NGC	3516	EE278	11 03 23.0	+72 50 00	13.5			84	SWP	16888	L L O	260 00	82 124	01 20	V /	452						
NGC	3516	EE278	11 03 23.0	+72 50 00	13.5			84	LWR	13159	L L O	120 00	82 124	05 44	V /	554						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	SWP	18837	H L O	40 00	82 354	13 15	V /	* 451						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	LWR	14856	H L O	25 00	82 354	14 00	V /	* 441						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	SWP	18838	H L O	33 00	82 354	14 35	V /	* 451						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	LWR	14857	L L O	20 82	354	15 30	V /	* 551						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	LWR	14857	L S O	45 82	354	15 30	V /	* 551						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	SWP	18850	H L O	40 00	82 355	15 24	V /	* 451						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	LWR	14865	H L O	30 00	82 355	16 09	V /	* 452						
HD96548	EA143	11 04 18.0	-65 14 00	7.9				11	SWP	18851	H L O	50 00	82 355	16 57	V /	* 471						
HD	96436	SGEBM	11 04 21.1	+02 13 38	5.5		G7 IB	45	LWR	13402	L L O	000 29	82 155	07 42	G 82/155	C=80,B=21						

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
HD	96566	SGEBM	11 04 28.9	-62 09 13	4.6	G5 IB	45 LWR 13406	L L 0 001 00 82 155 12 06	G 82/155	C=140,B=20											
HD	96566	SGEBM	11 04 28.9	-62 09 13	4.6	G5 IB	45 SWP 17118	L L 0 005 00 82 155 12 11	G 82/158	B=18											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 17956	L L 0 000 50 82 257 14 28	G 82/258	C=2X,B=19											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18039	L L 0 000 25 82 263 13 42	G 82/264	C=180,B=19											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18039	L S 0 001 40 82 263 13 47	G 82/264	C=2X,B=19											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 LWR 14217	L L 0 000 07 82 263 13 51	G 82/264	C=215,B=25											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18131	L L 0 000 25 82 270 13 35	G 82/272	C=190,B=20											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 LWR 14273	L L 0 000 07 82 270 13 39	G 82/272	E=1.05X,C=210,B=25											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18210	L L 0 000 28 82 278 11 54	G 82/278	C=187,B=17											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 LWR 14339	L L 0 000 07 82 278 11 58	G 82/278	C=205,B=23											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18281	L L 0 000 28 82 287 12 55	G 82/287*	C=200,B=17											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 LWR 14405	L L 0 000 07 82 287 12 59	G 82/287*	C=240,B=21											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 SWP 18350	L L 0 000 28 82 294 11 43	G 82/294*	C=200,B=17											
HD	96919	SGEAU	11 06 28.6	-61 40 34	5.1	B9 IA	25 LWR 14454	L L 0 000 07 82 294 11 47	G 82/294*	C=205,B=22											
HD	97152	WREPC	11 07 56.9	-60 42 27	8.3	WC	10 LWR 13367	L L 0 000 20 82 151 19 49	G 82/153	E=184,C=150,B=26											
HD	97152	WREPC	11 07 56.9	-60 42 27	8.3	WC	10 SWP 17082	L L 0 000 28 82 151 19 52	G 82/153	E=195,C=150,B=27											
HD	97152	WREPC	11 07 56.9	-60 42 27	8.3	WC	10 LWR 13385	L L 0 000 27 82 153 16 50	G 82/154	E=143,C=178,B=28											
HD	97152	WREPC	11 07 56.9	-60 42 27	8.3	WC	10 SWP 17101	L L 0 000 28 82 153 16 53	G 82/154	E=181,C=125,B=25											
E438-609	EE160	11 08 22.0	-28 14 00	14.5			80 SWP 17321	L L 0 180 00 82 180 23 12	V /	* 302											
E438-609	EE160	11 08 22.0	-28 14 00	14.5			80 LWR 13576	L L 0 203 00 82 181 02 20	V /	* 305 4-MIN-HTR-WM-UP											
HD	97603	RPSTD	11 11 27.0	+20 47 52	2.57	E-.01 A4 V	31 SWP 19247	L T 0 000 09 83 045 02 27	G 83/046*	C=185,B=25											
HD	97603	RPSTD	11 11 27.0	+20 47 52	2.57	E-.01 A4 V	31 LWR 15283	L T 0 000 04 83 045 02 36	G 83/046*	C=190,B=27											
	MR39	WREPC	11 14 45.2	-59 10 08	13.0	WN	11 SWP 18466	L L 0 100 00 82 308 03 22	G 82/308*	E=1.5X,C=145,B=50											
	MR39	WREPC	11 14 45.3	-59 10 09	13.0	WN	11 LWR 14557	L L 0 100 00 82 308 01 36	G 82/308*	E=255,C=210,B=30											
PG	1116+216	QSECW	11 16 30.1	+21 35 43	14.7		85 SWP 17416	L L 0 240 00 82 194 04 48	G 82/194	E=203,C=120,B=64											
PG	1116+216	QSECW	11 16 30.1	+21 35 43	14.7		85 LWR 13669	L L 0 160 00 82 194 08 59	G 82/194	C=145,B=42											
	NGC 3622	EEO77	11 17 10.0	+67 31 00	14.0		80 SWP 18270	L L 0 60 00 82 286 14 57	V /	* 210											
	NGC 3622	EEO77	11 17 10.0	+67 31 00	14.0		80 LWR 14400	L L 0 120 00 82 286 16 02	V /	* 212 4-MIN-HTR											
	NGC 3622	EEO77	11 17 10.0	+67 31 00	14.0		80 SWP 18271	L L 0 60 00 82 286 18 05	V /	* 210 DROP OUT Y=441											
PG	1119+120	QSECW	11 19 11.0	+12 00 46	14.8		85 SWP 18621	L L 0 225 00 82 325 21 03	G 82/327*	E=172,C=85,B=52											
PG	1119+120	QSECW	11 19 11.0	+12 00 46	14.8		85 FES 1384	D 2 040 00 82 326 02 21	G 82/327*	NO COMMENTS											
PG	1119+120	QSECW	11 19 11.1	+12 00 47	14.8		85 LWR 14689	L L 0 130 00 82 326 01 35	G 82/327*	E=124,C=115,B=36											
PG	1119+12	QSECW	11 19 11.1	+12 00 47	14.8		85 SWP 18662	L L 0 240 00 82 330 20 57	G 82/333*	E=1.2X,C=120,B=73											
PG	1119+12	QSECW	11 19 11.1	+12 00 47	14.8		85 LWR 14726	L L 0 164 00 82 331 01 02	G 82/333*	C=235,B=150											
	56 U MAJ	LGEEB	11 20 05.2	+43 45 26	5.01	G8 II	45 SWP 17055	L L 0 240 00 82 147 13 27	G 82/148	C=150,B=90											
HD	98922	EI203	11 20 13.0	-53 06 00	7.2		26 SWP 18553	L L 0 3 00 82 318 12 45	V /	* 550											
HD	98922	EI203	11 20 13.0	-53 06 00	7.2		26 LWR 14624	L L 0 1 00 82 318 13 09	V /	* 602 4-MIN-HTR MN=663											
HD	98922	EI203	11 20 13.0	-53 06 00	7.2		26 SWP 18554	H L 0 120 00 82 318 13 35	V /	* 541											
	K1 - 22	NPEJK	11 24 17.5	-34 05 44	0.0	0 SD	70 SWP 16969	L L 0 070 00 82 135 21 33	G 82/137	C=80,B=50											
	NGC 3682	EEO77	11 24 45.0	+66 52 00	13.4		80 LWR 14401	L L 0 73 00 82 286 20 30	V /	* 213 4-MIN-HTR											

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
NGC 3682	EEO77	11 24	45.0	+66 52	00	13.5			80 SWP	18305	L L O	100	00	82 289	15 16	V /	* 201		
NGC 3690-C	EGETT	11 25	41.1	+58 50	20	13 *			80 SWP	19341	L L O	240	00	83 058	14 56	G 83/059*	C=115,B=60		
NGC 3690-C	EGETT	11 25	41.1	+58 50	20	13 *			80 LWR	15387	L L O	165	00	83 058	18 58	G 83/059*	C=165,B=73		
NGC 3690-A	EGETT	11 25	44.1	+58 50	18				80 LWR	15394	L L O	210	00	83 059	13 56	G 83/060*	C=120,B=55		
HD 99967	ECO81	11 27	42.0	+46 56	00	6.6			47 LWR	13414	L L O	12	00	82 156	04 27	V /	402		
HD 99967	ECO81	11 27	42.0	+46 56	00	6.6			47 LWR	13414	L S O	5	00	82 156	04 42	V /	302		
HD 100029	RPSTD	11 28	27.4	+69 36	26	3.85	EO.08 MO	III	49 SWP	17315	L L O	015	00	82 180	13 36	G 82/183	B=40		
MARKO180	BLEYK	11 33	32.6	+70 25	59	15.0			87 SWP	18123	L L O	355	00	82 270	00 28	G 82/271	E=148,C=120,B=72		
GD 140	WDEGW	11 34	28.0	+30 04	36	12.5		AO WD	37 SWP	18996	L L O	015	00	83 014	07 27	G 83/014*	C=240,B=23		
GD 140	WDEGW	11 34	28.0	+30 04	36	12.5		AO WD	37 LWR	15572	L L O	012	00	83 084	01 27	G 83/084*	C=160,B=25		
1134+14	WDFEB	11 34	54.0	+14 27	10	13.2		WD	37 SWP	17466	H L O	260	00	82 204	04 50	G 82/204	E=112,C=120,B=60		
T LEO	CVEJP	11 35	52.9	+03 38	46				54 SWP	17348	L L O	010	00	82 184	17 44	G 82/188	B=115		
T LEO	CVEJP	11 35	52.9	+03 38	46				54 LWR	13597	L L O	020	00	82 184	18 06	G 82/188	E=177,C=160,B=110		
T LEO	CVEJP	11 35	52.9	+03 38	46	13.9			54 LWR	13614	L L O	026	00	82 186	18 43	G 82/188	E=123,C=85,B=80		
T LEO	CVEJP	11 35	52.9	+03 38	46	13.9			54 SWP	17364	L L O	035	00	82 186	19 13	G 82/188	C=73,B=70		
T LEO	CVEPS	11 35	53.0	+03 38	47	13.0			54 LWR	14696	L L O	080	00	82 326	20 30	G 82/327*	E=164,C=95,B=33		
T LEO	CVEPS	11 35	53.0	+03 38	47	13.0			54 SWP	18629	L L O	115	00	82 326	21 54	G 82/327*	E=132,C=62,B=38		
NGC 3783	EE252	11 36	33.0	-37 28	00	13.5			84 LWR	14921	L L O	90	00	82 360	14 30	V /	* 464		
NGC 3783	EE252	11 36	33.0	-37 28	00	13.5			84 SWP	18894	L L O	101	00	82 360	16 05	V /	* 351		
BH CEN	EIO73	11 36	49.0	-63 08	00	10.6			66 SWP	18332	L L O	8	30	82 292	20 43	V /	* 401		
BH CEN	EIO73	11 36	49.0	-63 08	00	10.6			66 LWR	14444	L L O	6	00	82 292	21 20	V /	* 502 4-MIN-HTR		
1137+660	QSEAG	11 37	09.2	+66 04	26	16.0			85 LWR	13083	L L O	130	00	82 116	15 37	G 82/117	E=128,C=100,B=41		
HD 101379	HCETA	11 37	09.8	-65 07	14	5.2		G6 III	39 LWR	13097	L L O	000	30	82 118	23 25	G 82/119	C=200,B=25		
HD 101379	HCETA	11 37	09.8	-65 07	14	5.2		G6 III	39 SWP	16852	L L O	001	00	82 118	23 30	G 82/119	C=170,B=19		
217-119	QSEWS	11 38	42.4	+04 03	38	17.0			85 LWR	15349	L L O	240	00	83 051	20 56	G 83/054*	C=125,B=75		
YY DRACO	CVEJP	11 40	48.7	+71 57	58	15.5			54 SWP	17359	L L O	360	00	82 186	04 50	G 82/188	E=5-10X,C=160,B=70		
TW VIR	CVEPS	11 42	47.8	-04 09	24	14.0			54 LWR	14860	L L O	090	00	82 355	02 43	G 82/355*	E=189,C=130,B=40		
TW VIR	CVEPS	11 42	47.8	-04 09	24	14.0			54 SWP	18843	L L O	120	00	82 355	04 23	G 82/355*	E=200,C=153,B=105		
NGC 3894	RGERD	11 46	10.4	+59 41	37	11.9			81 LWR	15148	L L O	045	00	83 029	21 13	G 83/031*	B=32		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 SWP	18028	L L O	3	00	82 262	18 59	V /	* 512		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 LWR	14213	L L O	55	00	82 262	19 08	V /	* 673 4-MIN-HTR		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 SWP	18029	L L O	50	00	82 262	20 09	V /	* 591		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 LWR	14214	H L O	50	00	82 262	21 04	V /	* 762 CAM NOT PREPARED		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 SWP	18030	H L O	15	00	82 262	22 00	V /	* 050		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 LWR	14215	H L O	36	00	82 262	22 44	V /	* 153 MN=175		
NGC 3918	EA254	11 47	50.0	-56 54	00	10.8			70 LWR	14222	H L O	25	00	82 263	22 52	V /	* 232 MN=534		
POX 36	OD84B	11 56	24.3	-18 45	03	15.0	EO.02 O		88 SWP	18813	L L O	810	00	82 351	23 35	G 82/354*	C=220,B=120		
Q 1156+295	BLEAG	11 56	58.1	+29 31	24	16.0			85 SWP	16847	L L O	050	00	82 118	11 46	G 82/119	C=45,B=30		
Q 1202+281	XQEMS	12 02	08.8	+28 10	52	0.0			85 SWP	19049	L L O	180	00	83 020	19 12	G 83/021*	C=175,B=130		
Q 1202+281	XQEMS	12 02	08.9	+28 10	53	0.0			85 LWR	15078	L L O	120	00	83 020	16 55	G 83/021*	C=100,B=38		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY			
HD	104979	LGEEB	12 02 39.7	+09 00 38	4.1	GB	III	45	SWP	18906	L L O	090 00	82 363	04 43	G	82/363*	C=170,B=131			
HD	104979	LGEEB	12 02 39.7	+09 00 38	4.1	GB	III	45	LWR	14944	H L O	050 00	82 363	05 19	G	82/363*	E=251,C=1.5X,B=98			
HD	104994	WREPC	12 02 42.7	-61 46 25	11.0	WN		11	LWR	14564	L L O	006 00	82 309	09 38	G	82/309*	C=190,B=32			
HD	104994	WREPC	12 02 42.8	-61 46 26	11.0	WN		11	LWR	13366	L L O	003 00	82 151	18 41	G	82/153	C=148,B=35			
HD	104994	WREPC	12 02 42.8	-61 46 26	11.0	WN		11	SWP	17081	L L O	003 00	82 151	18 47	G	82/153	E=201,C=160,B=55			
HD	104994	WREPC	12 02 42.8	-61 46 26	11.0	WN		11	LWR	13386	L L O	007 00	82 153	17 55	G	82/154	C=240,B=55			
HD	104994	WREPC	12 02 42.8	-61 46 26	11.0	WN		11	SWP	17102	L L O	006 00	82 153	18 09	G	82/154	E=1.5X,C=250,B=86			
HD	104994	WREPC	12 02 42.8	-61 46 26	11.0	WN		11	SWP	18476	L L O	003 00	82 309	09 50	G	82/309*	E=164,C=130,B=20			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14176	L L O	000 12	82 257	13 19	G	82/258	C=200,B=23			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	17955	L L O	000 25	82 257	13 24	G	82/258	C=240,B=16			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	25	LWR	14177	L L O	000 05	82 257	14 24	G	82/258	C=120,B=22			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	18040	L L O	000 20	82 263	14 47	G	82/264	C=220,B=17			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14218	L L O	000 13	82 263	14 51	G	82/264	C=220,B=23			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	18132	L L O	000 18	82 270	14 40	G	82/272	C=195,B=20			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14274	L L O	000 13	82 270	14 43	G	82/272	C=210,B=25			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	18211	L L O	000 18	82 278	12 56	G	82/278	C=197,B=17			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14340	L L O	000 13	82 278	12 59	G	82/278	C=190,B=24			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	18280	L L O	000 18	82 287	11 59	G	82/287*	C=215,B=17			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14404	L L O	000 13	82 287	12 03	G	82/287*	C=220,B=21			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	SWP	18351	L L O	000 18	82 294	12 43	G	82/294*	C=183,B=18			
HD	105056	SGEAU	12 03 12.8	-69 17 41	7.5	09	IA	13	LWR	14455	L L O	000 13	82 294	12 46	G	82/294*	C=197,B=25			
NGC	4125	EE184	12 05 42.0	+65 27 00	12.0			81	LWR	13025	L L O	420 00	82 105	02 42	V	/	308 4-MIN-HTR-WM-UP			
MKN	198	EE258	12 06 43.0	+47 20 00	15.0			84	LWR	13234	L L O	429 00	82 133	00 34	V	/	229			
MK	198	UK370	12 06 43.0	+47 20 00	14.5			84	SWP	16842	L L O	410 00	82 117	02 57	V	/	224			
NGC	4151	EE255	12 08 00.0	+39 41 00	12.0			84	LWR	14573	L L O	30 00	82 310	17 07	V	/	* 452 4-MIN-HTR MN=696			
NGC	4151	EE255	12 08 00.0	+39 41 00	12.0			84	SWP	18489	L L O	25 00	82 310	17 41	V	/	* 350			
NGC	4151	EE255	12 08 00.0	+39 41 00	12.0			84	LWR	14574	L L O	40 00	82 310	18 18	V	/	* 563 4-MIN-HTR			
NGC	4151	EE255	12 08 00.0	+39 41 00	12.0			84	SWP	18490	L L O	45 00	82 310	19 02	V	/	* 351			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	SWP	16784	L L O	069 00	82 107	19 04	G	82/108	E=197,C=102,B=35			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	LWR	13037	L M O	090 00	82 107	20 24	G	82/108	E=1.1X,C=160,B=45			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	SWP	16785	L M O	090 00	82 107	22 06	G	82/108	E=231,C=120,B=65			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	LWR	13038	L M O	090 00	82 107	23 43	G	82/108	E=245,C=155,B=41			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	LWR	13041	L L O	030 00	82 108	15 58	G	82/109	E=173,C=110,B=34			
NGC	4151	GHDDY	12 08 00.0	+39 41	13.0	BO	V	84	SWP	16787	L L O	015 00	82 108	16 33	G	82/109	E=90,C=35,B=26			
NGC	4151	GHEDY	12 08 00.0	+39 41	13.0	BO	V	84	SWP	16789	L L O	015 00	82 108	20 07	G	82/109	E=107,C=50,B=22			
NGC	4151	QSESG	12 08 00.0	+39 40 54	11.2			84	SWP	18903	L L O	105 00	82 362	03 35	G	82/362*	E=222,C=110,B=50			
HD	106111	EC124	12 10 04.0	-69 52 00	6.0			53	SWP	17496	H L O	390 00	82 207	20 35	V	/	* 763			
HD	106111	EM122	12 10 04.0	-69 52 00	6.0			53	SWP	17503	H L O	150 00	82 208	20 55	V	/	* 552			
SAD	251791	HCEEB	12 10 04.2	-69 52 26	6.2	F8	II	53	LWR	13849	H L O	240 00	82 215	02 32	G	82/215	C=1.5X,B=81			
PG	1210+429	CVEJL	12 10 07.8	+42 56 42	14.9	A		54	SWP	17368	L L O	040 00	82 187	15 21	G	82/188	C=140,B=100			



OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC						DEG	MIN	SEC	S	P	A			
PG 1210+429	CVEJL	12 10 07.8	+42 56 42	14.9	A		54 LWR	13619	L L O	040 00	82 187 16 03	G 82/188	C=155,B=90					
HD 106225	RSETS	12 10 46.4	-08 48 06	8.1	K	III	47 LWR	13551	H L O	090 00	82 174 18 07	G 82/175	E=136,C=90,B=40					
PG 1211+143	QSECW	12 11 44.8	+14 19 52	14.8			85 SWP	18672	L L O	110 00	82 331 20 59	G 82/333*	E= 1.3X,C=95,B=40					
PG 1211+143	QSECW	12 11 44.8	+14 19 52	14.8			85 LWR	14737	L L O	120 00	82 331 22 56	G 82/333*	C=200,B=50					
PG 1211+143	QSECW	12 11 44.8	+14 19 52	14.8			85 SWP	18673	L L O	060 00	82 332 02 48	G 82/333*	E=1X,C=80,B=45					
HD 106625	OD96B	12 13 13.7	-17 15 51	2.6	BB		27 SWP	19063	H S O	000 50	83 022 23 06	G 83/024*	C=190,B=35					
HD 106625	OD96B	12 13 13.7	-17 15 51	2.6	BB		27 LWR	15091	H S O	000 35	83 022 23 10	G 83/024*	C=205,B=33					
MC2 1215	QSEWS	12 15 54.4	+11 21 40	16.0			85 LWR	15353	L L O	220 00	83 053 14 59	G 83/054*	C=90,B=42					
HD 107168	AMEJL	12 16 47.7	+23 18 44	6.3	FO	V	35 LWR	13705	L T O	003 00	82 199 13 04	G 82/200	C=1X,B=37					
HD 107513	AMEJL	12 18 55.8	+25 16 28	7.4	FO	V	35 LWR	13706	L L O	002 30	82 199 13 47	G 82/200	C=1.5X,B=25					
NGC 4314	EE130	12 20 02.0	+30 10 00	13.1			80 LWR	14704	L L O	120 00	82 327 13 14	V /	* 305 4-MIN-HTR					
NGC 4314	EE130	12 20 02.0	+30 10 00	13.1			80 SWP	18637	L L O	47 00	82 327 15 19	V /	* 201					
NGC 4314	EE130	12 20 02.0	+30 10 00	13.1			80 LWR	14705	L L O	213 00	82 327 16 11	V /	* 307 4-MIN-HTR					
S CEN	RNEHJ	12 21 52.3	-49 09 47	7.6	R5	IB	50 LWR	15375	L L O	090 00	83 056 21 46	G 83/059*	E=228,C=200,B=135					
S CEN	RNEHJ	12 21 52.3	-49 09 47	7.6	R5	IB	50 SWP	19325	L L O	060 00	83 057 04 46	G 83/059*	B=40					
HD 108257	MLEPB	12 23 49.0	-51 10 26	4.8	B3	V	21 SWP	19345	H L O	001 35	83 059 00 45	G 83/060*	C=175,B=35					
HD108283	EC081	12 23 54.0	+27 33 00	4.9			41 LWR	13415	H L O	5 00	82 156 05 38	V /	302 MN=322					
HD 108486	AMEJL	12 25 08.4	+26 11 19	6.8	A8	V	35 LWR	13707	L T O	003 00	82 199 14 26	G 82/201	C=1X,B=32					
NGC 4449	EE208	12 25 48.0	+44 24 00	99.9			80 LWR	13653	L L O	200 00	82 191 20 53	V /	* 306					
NGC 4449	EE208	12 25 48.0	+44 24 00	99.9			80 SWP	17399	L L O	160 00	82 191 21 12	V /	* 302 SERENDIPITY					
NGC 4449	EE208	12 25 48.0	+44 24 00	99.9			80 SWP	17400	L L O	209 00	82 192 00 18	V /	* 302					
HD 108642	AMEJL	12 26 08.4	+26 30 12	6.5	A7	V	35 LWR	13708	L T O	003 00	82 199 15 07	G 82/201	C=250,B=38					
HD 108651	AMEJL	12 26 14.8	+26 10 33	6.6	A7	V	35 LWR	13709	L T O	003 00	82 199 15 52	G 82/201	C=220,B=42					
3C 273	UK447	12 26 33.0	+02 20 00	12.9			85 SWP	16786	H L O	792 00	82 108 02 04	V /	* 339					
3C 273	UK447	12 26 33.0	+02 20 00	12.9			85 SWP	16791	H L O	825 00	82 109 01 25	V /	* 339					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 SWP	17300	L L O	015 00	82 178 18 37	G 82/183	E=185,C=140,B=84					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 LWR	13562	L L O	020 00	82 178 18 57	G 82/182	C=160,B=53					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 SWP	17301	L L O	023 00	82 178 19 29	G 82/183	E=193,C=120,B=42					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 LWR	13563	L L O	023 00	82 178 20 05	G 82/183	C=160,B=32					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 SWP	17302	L L O	027 00	82 178 20 36	G 82/183	E=211,C=120,B=28					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 LWR	13564	L L O	022 00	82 178 21 10	G 82/183	C=145,B=25					
3C 273	OD85B	12 26 33.3	+02 19 41	12.9			85 SWP	17303	L L O	012 00	82 178 21 38	G 82/183	E=110,C=65,B=26					
3C273	GHODY	12 26 33.4	+02 19 42	13.0	BO	V	85 SWP	16786	H L O	792 00	82 108 02 00	G 82/109	E=150,C=220,B=142					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 LWR	13042	L M O	120 00	82 108 21 02	G 82/109	C=1.5X,B=54					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 SWP	16790	L M O	120 00	82 108 22 28	G 82/109	E=1.5X,C=239,B=86					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 SWP	16791	H L O	825 00	82 109 01 25	G 82/109	E=200,C=220,B=140					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 SWP	16801	L L O	030 00	82 110 18 35	G 82/111	E=251,C=155,B=21					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 LWR	13055	L L O	030 00	82 110 19 10	G 82/111	C=220,B=38					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 SWP	16802	L L O	030 00	82 110 19 44	G 82/111	E=240,C=140,B=39					
3C273	GHEDY	12 26 33.4	+02 19 42	13.0	BO	V	85 LWR	13056	L L O	030 00	82 110 20 20	G 82/111	C=215,B=39					

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC							DEG	MN	SC	MIN	SE			
	3C273	GHDY	12 26 33.4	+02 19 42	13.0		BO V	85 SWP 16803	L L O	030 00	82 110 20 54	G 82/111	E=220,C=150,B=42					
	3C273	GHDY	12 26 33.4	+02 19 42	13.0		BO V	85 LWR 13057	L L O	030 00	82 110 21 34	G 82/111	C=205,B=41					
	HD108767	STAND	12 27 16.0	-16 14 00	3.0			22 SWP 18885	L L O	5 82	359 12 11	V /	* 500 TR 4.34"/SEC					
	HD108767	STAND	12 27 16.0	-16 14 00	3.0			22 LWR 14904	L L O	2 82	359 12 18	V /	* 502 TR 9.058"/SEC					
Q	1229+204	BLEDW	12 29 33.1	+20 26 03	15.3			85 SWP 16880	L L O	319 00	82 121 09 09	G 82/123	E=3-4X,C=160,B=63					
Q	1229+204	BLEDW	12 29 33.1	+20 26 03	15.3			85 LWR 13136	L L O	120 00	82 122 08 39	G 82/123	C=120,B=45					
Q	1229+204	BLEDW	12 29 33.1	+20 26 03	15.3			85 SWP 16884	L L O	045 00	82 122 10 41	G 82/123	E=103,C=31,B=21					
HD	109307	AMEJL	12 31 04.7	+24 33 32	6.3		A7 V	35 LWR 13710	L T O	002 00	82 199 16 31	G 82/201	C=1X,B=50					
HD	109358	RPSTD	12 31 22.2	+41 37 44	4.29		GO V	44 LWR 15530	L T O	000 35	83 080 01 24	G 83/080*	C=190,B=33					
HR	4786	CCETA	12 31 45.3	-23 07 13	2.7		G7 III	45 LWR 12955	H L O	060 00	82 095 18 07	G 82/096	E=2X,C=3X,B=118					
HR	4786	CCETA	12 31 45.3	-23 07 13	2.7		G7 III	45 LWR 12956	H L O	020 00	82 095 19 41	G 82/096	C=2X,B=63					
HR	4786	CCETA	12 31 45.3	-23 07 13	2.7		G7 III	45 LWR 12957	H L O	010 00	82 095 20 30	G 82/096	E=127,C=1.3X,B=40					
	HD109399	EM264	12 32 12.0	-72 26 00	7.6			23 SWP 16988	H L O	35 00	82 139 02 01	V /	501					
	HD109551	EC140	12 32 38.0	+70 18 00	4.9			47 LWR 12927	H L O	30 00	82 091 06 41	V /	332					
	HD109551	EC140	12 32 38.0	+70 18 00	4.9			47 SWP 16678	L L O	120 00	82 091 07 17	V /	701					
	HD109551	EC140	12 32 38.0	+70 18 00	4.9			47 LWR 12928	H L O	23 00	82 091 09 20	V /	331					
NGC	4552	RGERO	12 33 08.3	+12 49 52	9.8			81 LWR 13622	L L O	370 00	82 188 04 40	G 82/188	C=135,B=65					
NGC	4552	RGERO	12 33 08.4	+12 49 56	9.8			81 LWR 13617	L L O	375 00	82 187 04 38	G 82/188	C=140,B=73					
NGC	4552	RGERO	12 33 08.4	+12 49 56	9.8			81 SWP 19114	L L O	307 00	83 028 16 55	G 83/031*	C=110,B=72					
NGC	4552	RGERO	12 33 08.4	+12 49 56	9.8			81 SWP 19130	L L O	270 00	83 029 22 49	G 83/031*	C=95,B=61					
NGC	4566	EEO77	12 33 40.0	+54 30 00	14.0			80 LWR 14420	L L O	86 00	82 289 20 17	V /	* 103 4-MIN-HTR					
PG	1234+482	WDECB	12 34 23.0	+48 11 54	0.0		05 WD	37 LWR 13290	L L O	015 00	82 141 23 07	G 82/144	C=100,B=26					
PG	1234+482	WDECB	12 34 23.0	+48 11 54	0.0		05 WD	37 SWP 17015	L L O	008 00	82 141 23 35	G 82/144	C=110,B=18					
	HD110258	EM122	12 38 33.0	-59 31 00	8.5			53 SWP 17504	L L O	50 00	82 209 00 08	V /	* 101					
	-53 5293	EC228	12 40 26.0	-54 15 00	9.4			52 LWR 13260	L L O	50 00	82 138 06 49	V /	403					
PG	1244+026	XQERG	12 44 02.1	+02 38 31	16.2		A	85 SWP 19223	L L O	380 00	83 039 06 33	G 83/040*	E=205,C=119,B=65					
PG	1244+026	XQERG	12 44 02.1	+02 38 31	16.2		A	84 LWR 15213	L L O	120 00	83 039 12 58	G 83/040*	E=82,C=85,B=35					
BD	+17 2537	HCEHB	12 44 53.4	+17 05 57	8.8		G5 V	44 LWR 13281	L L O	014 00	82 140 10 23	G 82/140	C=190,B=25					
BD	+17 2537	HCEHB	12 44 53.4	+17 05 57	8.8		G5 V	44 SWP 17001	L L O	090 00	82 140 10 53	G 82/140	C=52,B=25					
	HD111226	EM264	12 45 14.0	-24 35 00	6.4			22 SWP 16987	H L O	25 00	82 139 00 37	V /	501					
NGC	4696	EEO97	12 46 03.0	-41 02 00	13.0			81 SWP 17601	L L O	180 00	82 217 19 55	V /	* 112					
NGC	4696	EEO97	12 46 03.0	-41 02 00	13.0			81 SWP 17602	L L O	142 00	82 217 23 25	V /	* 112 OFFSET 4ARCSEC W					
	HD111456	EC081	12 46 29.0	+60 36 00	5.9			41 LWR 13424	H L O	50 00	82 157 01 31	V /	634					
	HD111456	EC081	12 46 29.0	+60 36 00	5.9			41 SWP 17136	L L O	125 00	82 157 02 24	V /	731					
	HD111558	EM264	12 47 59.0	-69 22 00	7.3			25 LWR 13268	H L O	20 00	82 139 02 51	V /	402 4-MIN-HTR-WM-UP					
	HD111558	EM264	12 47 59.0	-69 22 00	7.3			25 SWP 16989	H L O	60 00	82 139 03 26	V /	401					
HD	112028	OD79B	12 48 46.1	+83 41 04	5.3		A1 IV	60 SWP 18922	H L O	025 00	82 353 08 08	G 82/354*	C=200,B=38					
HD	112028	OD79B	12 48 46.1	+83 41 04	5.3		A1 IV	60 LWR 14850	H L O	015 00	82 353 08 48	G 82/354*	C=226,B=33					
HD	111812	CCEBB	12 49 15.8	+27 48 43	5.0		GO III	45 LWR 14629	H L O	020 00	82 319 08 33	G 82/320*	E=152,C=170,B=58					
HD	111812	CCEBB	12 49 15.8	+27 48 43	5.0		GO III	45 SWP 18560	L L O	040 00	82 319 08 59	G 82/320*	E=228,C=2X,B=99					

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE				ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN				
HD	111812	LGETS	12 49 15.9	+27 48 44	5.0		GO	III	45	LWR	13546	H L O	020 00	82 173 19 14	G	82/174	E=168,C=200,B=52						
HD	111812	LGETS	12 49 15.9	+27 48 44	5.0		GO	III	45	SWP	17283	L L O	045 00	82 173 19 40	G	82/174	E=147,C=1.5X,B=48						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13867	L L O	025 00	82 217 13 49	G	82/217	E=191,C=160,B=85						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17597	L L O	015 00	82 217 14 23	G	82/217	E=148,C=147,B=105						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13868	L L O	025 00	82 217 15 11	G	82/217	E=245,C=210,B=130						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17598	L L O	015 00	82 217 15 46	G	82/217	E=186,C=185,B=150						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13869	L L O	025 00	82 217 16 21	G	82/218	E=250,C=210,B=125						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17599	L L O	015 00	82 217 16 57	G	82/218	E=173,C=143,B=100						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13870	L L O	015 00	82 217 17 31	G	82/218	E=170,C=110,B=45						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17600	L L O	014 00	82 217 18 36	G	82/218	E=82,C=56,B=20						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17637	L M O	035 00	82 221 07 47	G	82/221	E=106,C=64,B=29						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13903	L M O	038 00	82 221 08 28	G	82/221	E=155,C=135,B=31						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17638	L M O	035 00	82 221 09 12	G	82/221	E=108,C=70,B=30						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	LWR	13904	L M O	038 00	82 221 09 59	G	82/221	E=149,C=140,B=32						
		EX HYA	CVEFC	12 49 42.5	-28 58 38	10.0			54	SWP	17639	L M O	035 00	82 221 10 44	G	82/222	E=107,C=75,B=28						
		EX HYA	CVEFC	12 49 42.6	-28 58 39	10.0			54	LWR	13905	L M O	034 00	82 221 11 31	G	82/222	E=130,C=105,B=32						
		EX HYA	CVEFC	12 49 42.6	-28 58 39	10.0			54	SWP	17640	L M O	020 00	82 221 12 18	G	82/222	E=148,C=80,B=25						
HD	112097	AMEJL	12 51 19.1	+12 41 24	6.2		F2	V	35	LWR	13711	L T O	003 00	82 199 17 15	G	82/201	C=2X,B=57						
LT	5	NPEJK	12 53 07.8	+26 09 44	0.0		0	SD	70	SWP	16896	L L O	020 00	82 125 20 25	G	82/126	C=1.5X,B=116						
LT	5	NPEJK	12 53 07.8	+26 09 44	0.0		0	SD	70	LWR	13173	L L O	020 00	82 125 20 50	G	82/126	E=1.5X,C=225,B=88						
LT	5	NPEJK	12 53 07.8	+26 09 44	0.0		0	SD	70	SWP	16897	L L O	010 00	82 125 21 24	G	82/126	C=190,B=95						
LT	5	NPEJK	12 53 07.8	+26 09 44	0.0		0	SD	70	SWP	17236	L L O	010 00	82 167 19 33	G	82/168	C=170,B=75						
LT	5	NPEJK	12 53 07.8	+26 09 44	0.0		0	SD	70	LWR	13502	L L O	010 00	82 167 20 05	G	82/168	E=255,C=120,B=41						
HD	112374	SGEBM	12 53 48.4	-26 11 22	6.6		F6		41	LWR	13405	L L O	002 00	82 155 10 59	G	82/155	C=80,B=20						
HD	112374	SGEBM	12 53 48.4	-26 11 22	6.6		F6		41	SWP	17117	L L O	005 35	82 155 11 06	G	82/155	B=18						
HD	112374	SGEBM	12 53 48.4	-26 11 22	6.6		F6		41	LWR	15317	L L O	006 00	83 048 23 29	G	83/052*	C=200,B=32						
HD	112374	SGEBM	12 53 48.4	-26 11 22	6.6		F6		41	SWP	19282	L L O	025 00	83 048 23 43	G	83/052*	C=153,B=150						
HD	112481	EM252	12 54 44.0	-49 31 00	8.4				23	SWP	18918	H L O	019 00	82 365 12 32	V	/	* 601						
BD	36	2322A	CCFDS	12 55 18.9	+35 29 47	10.6		MO	V	48	LWR	15507	L L O	020 00	83 076 01 03	G	83/076*	NO COMMENTS					
B	201	OSEWS	12 57 26.7	+34 39 31	16.8				85	SWP	18694	L L O	038 00	82 334 20 31	G	82/335*	C=110,B=87						
NGC	4889	EE184	12 57 44.0	+28 15 00	14.0				81	LWP	1524	L L O	036 00	82 106 03 18	V	/	203						
HD	113001	EA008	12 58 05.0	+36 02 00	9.6				16	SWP	17343	H L O	060 00	82 183 20 50	V	/	* 500						
HR	4932	CCETA	12 59 41.1	+11 13 38	2.8		G8	III	45	LWR	13219	H L O	020 00	82 130 19 29	G	82/132	E=208,C=2X,B=50						
HR	4932	CCETA	12 59 41.1	+11 13 38	2.8		G8	III	45	LWR	13230	H L O	018 00	82 131 20 39	G	82/132	E=212,C=1.5X-2X,B=50						
HR	4932	CCETA	12 59 41.2	+11 13 39	2.8		G8	III	45	LWR	13229	H L O	060 00	82 131 19 10	G	82/132	E=3X,C=5-6X,B=100						
GC	323	HEEGW	13 02 30.0	+59 43 32	14.4	EO.00	DB		29	SWP	17401	L L O	030 00	82 192 04 37	G	82/193	C=110,B=20						
GC	323	HEEGW	13 02 30.0	+59 43 32	14.4	EO.00	DB		29	LWR	13654	L L O	030 00	82 192 05 12	G	82/193	C=115,B=32						
GC	323	HEEGW	13 02 30.0	+59 43 32	14.4	EO.00	DB		29	SWP	17402	L L O	050 00	82 192 05 49	G	82/193	C=174,B=34						
GC	323	HEEGW	13 02 30.0	+59 43 32	14.4	EO.00	DB		29	SWP	17402	L S O	100 00	82 192 06 47	G	82/193	C=170,B=38						
Q	1302-102	EHEEJ	13 02 55.7	-10 17 16	14.9		B1	V	85	SWP	17230	L L O	295 00	82 167 07 37	G	82/167	E=162,C=165,B=70						

OBJECT ID	PRG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXP DSE MIN SE	OBSERVATION YR DAY	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC	DEG	MN SC											
Q	1302-102	EHEEJ	13 02 55.8	-10 17 16	14.9	B1	V	85 SWP 17229	L L 0	250 00	82 167 02 56	G 82/167	E=140,C=125,B=54			
	1302-102	EE234	13 02 56.0	-10 17 00	14.9			85 SWP 17228	L L 0	250 00	82 166 22 09	V /	342			
	1302-102	EE234	13 02 56.0	-10 17 00	14.9			85 SWP 17229	L L 0	250 00	82 167 02 56	V /	* 342 READ AT GSFC			
	HD113996	EM162	13 04 47.0	+27 54 00	4.7			47 LWR 13742	H L 0	40 00	82 203 02 09	V /	* 232 4-MIN-HTR-WM-UP			
Q	1304+346	QSEMS	13 04 47.9	+34 40 23	0.0			85 LWR 14815	L L 0	240 00	82 344 19 06	G 82/347*	C=35,B=35			
	HD114710	EM162	13 08 32.0	+28 08 00	4.3			44 LWR 13743	H L 0	18 00	82 203 03 29	V /	* 562 MN=312			
HD	115404	LDERN	13 14 24.8	+17 17 03	6.5	K3	V	46 LWR 13297	H L 0	090 00	82 142 22 07	G 82/144	E=213,C=100,B=40			
	TON 155	XQEMS	13 18 53.6	+29 03 30	17.3			85 LWR 14812	L L 0	240 00	82 343 18 52	G 82/344*	C=90,B=42			
	TON 156	QSEAG	13 18 54.7	+29 03	16.4			85 SWP 16836	L L 0	235 00	82 116 11 06	G 82/117	E=110,C=70,B=37			
NGC	5102	EPEJC	13 19 08.0	-36 22 05	12.0	KO		80 SWP 19055	L L 0	210 00	83 021 17 40	G 83/024*	E=130,C=175,B=99			
	HZ 44	EA008	13 21 19.0	+36 24 00	11.7			16 SWP 17350	H L 0	247 00	82 184 23 40	V /	* 502			
	HD116656	EA051	13 21 55.0	+55 11 00	2.3			30 LWR 14332	H L 0	40 82	276 21 45	V /	* 101			
	HD116538	EM264	13 22 08.0	-51 35 00	7.9			20 LWR 13269	H L 0	28 00	82 139 04 48	V /	502 4-MIN-HTR-WM-UP			
	HD116538	EM264	13 22 08.0	-51 35 00	7.9			20 SWP 16990	H L 0	60 00	82 139 05 24	V /	601			
HD	116658	IGEJS	13 22 33.3	-10 54 03	1.0	B1	V	20 LWR 13650	H L 0	000 01	82 191 16 14	G 82/193	C=185,B=32			
HD	116658	IGEJS	13 22 33.3	-10 54 03	1.0	B1	V	20 LWR 15000	H L 0	000 01	83 005 07 28	G 83/009*	C=180,B=33			
HD	116658	IGEJS	13 22 33.3	-10 54 03	1.0	B1	V	20 SWP 18950	H L 0	000 01	83 005 07 32	G 83/009*	C=143,B=30			
SAO	139335	DCEEB	13 23 26.8	-03 07 08	9.5	FO	II	53 SWP 17057	L L 0	046 00	82 147 23 03	G 82/148	B=18			
SAO	139335	DCEEB	13 23 26.8	-03 07 08	9.5	FO	II	53 LWR 14967	L L 0	050 00	82 365 02 21	G 83/006*	C=180,B=60			
SAO	139335	DCEEB	13 23 26.9	-03 07 09	9.5	FO	II	53 SWP 18905	L L 0	360 00	82 362 18 38	G 82/363*	E=183,C=120,B=82			
SAO	139335	DCEEB	13 23 26.9	-03 07 09	9.5	FO	II	53 LWR 14942	L L 0	045 00	82 363 01 35	G 82/363*	C=220,B=40			
SAO	139335	DCEEB	13 23 26.9	-03 07 09	9.5	FO	II	53 LWR 14943	L L 0	015 00	82 363 03 53	G 82/363*	C=110,B=32			
	WOLF 485	EHEEJ	13 27 39.9	-08 18 23	12.2	B7	WD	29 SWP 17227	L T 0	030 00	82 166 20 54	G 82/167	C=140,B=21			
	FK COMAE	RSEBB	13 28 22.3	+24 28 28				45 LWR 13116	L T 0	007 30	82 120 12 49	G 82/120	E=156,C=73,B=30			
	FK COM	RSEBB	13 28 24.6	+24 29 24	8.2	G2	III	43 LWR 14630	L T 0	007 30	82 319 10 05	G 82/320*	E=125,C=90,B=33			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	43 LWR 13064	L T 0	007 30	82 112 10 46	G 82/113	E=125,C=80,B=30			
HD	117555	RSEBB	13 28 24.7	+24 28 28	8.2	G2	III	43 SWP 16812	H L 0	180 00	82 112 11 13	G 82/113	E=153,C=88,B=30			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	43 LWR 13065	H L 0	120 00	82 112 14 20	G 82/113	E=142,C=110,B=45			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	43 SWP 16817	L L 0	180 00	82 113 10 59	G 82/114	E=255,C=81,B=33			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	43 LWR 13069	H L 0	120 00	82 113 14 04	G 82/114	E=158,C=115,B=50			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	43 SWP 16825	L L 0	270 00	82 114 10 35	G 82/114	E=206,C=110,B=63			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	45 LWR 13076	H L 0	070 00	82 115 00 34	G 82/115	E=93,C=80,B=38			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	45 SWP 16830	L L 0	180 00	82 115 10 54	G 82/115	E=200,C=80,B=46			
HD	117555	RSEBB	13 28 24.7	+24 29 24	8.2	G2	III	45 LWR 13077	H L 0	120 00	82 115 13 58	G 82/116	E=148,C=80,B=40			
HD	117555	RSEBB	13 28 24.7	+24 28 28	8.2	G2	III	45 LWR 13107	L T 0	007 30	82 119 18 30	G 82/120	E=151,C=90,B=32			
PG	126-1	QSEWS	13 29 29.9	+41 17 23	16.5			85 LWR 15350	L L 0	192 00	83 052 02 32	G 83/054*	C=85,B=65			
PG	126-1	QSEWS	13 29 29.9	+41 17 23	16.5			85 LWR 15365	L L 0	300 00	83 055 14 47	G 83/059*	C=150,B=85			
	1331+170	EE257	13 31 10.0	+17 04 00	16.0			85 LWP 1630	L L 0	430 00	82 218 18 30	V /	* 302			
	KN CEN	HCEEB	13 33 01.0	-64 18 15	9.9	F5	II	53 SWP 17042	L L 0	120 00	82 145 14 39	G 82/146	C=105,B=83			
NGC	5236	OD87B	13 34 11.2	-29 36 43	7.2			80 FES 1370	D 2	040 00	82 209 12 53	G 82/211	NO COMMENTS			

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
NGC 5236	OD87B	13 34 11.2	-29 36 43	7.2							80 SWP	17507	L L 0 025 00	82 209	13 06	G 82/211	C=126,B=68				
NGC 5236	OD87B	13 34 11.2	-29 36 43	7.2							80 LWR	13787	L L 0 020 00	82 209	13 38	G 82/211	C=155,B=45				
NGC 5236	EE037	13 34 17.0	-29 37 00	8.6							80 LWR	13380	L L 0 15 00	82 153	02 36	V /	301				
NGC 5236	EE037	13 34 17.0	-29 37 00	8.6							80 SWP	17097	L L 0 172 00	82 153	02 55	V /	701				
MKN 266	EE189	13 36 15.0	+48 32 00	14.5							84 SWP	18736	L L 0 418 00	82 339	10 50	V /	* 342				
1337+70	WDEFB	13 37 37.0	+70 32 24	12.8						WD	37 SWP	17182	H L 0 438 00	82 161	06 31	G 82/162	C=200,B=100				
HD119069	EM252	13 38 53.0	-45 36 00	8.4							23 SWP	18917	H L 0 55 00	82 365	10 54	V /	* 701				
HD119069	EM252	13 38 53.0	-45 36 00	8.4							23 SWP	18919	H L 0 40 00	82 365	16 26	V /	* 501 REF. POINT AT-5;-				
HD 119159	RPSTD	13 39 38.8	-56 30 58	6.00	EO.20	B0	III				23 SWP	19245	L T 0 000 15	83 044	23 47	G 83/046*	C=210,B=25				
HD 119159	RPSTD	13 39 38.8	-56 30 58	6.00	EO.20	B0	III				23 LWR	15281	L T 0 000 11	83 044	23 55	G 83/046*	C=190,B=27				
NGC 5272	EPEJC	13 39 54.0	+28 38 00	10.4			F7				83 SWP	19421	L L 0 100 00	83 067	22 12	G 83/076*	C=140,B=110				
NGC 5272	EPEJC	13 39 54.0	+28 38 00	10.4			F7				83 LWR	15450	L L 0 100 00	83 068	00 08	G 83/076*	C=190,B=96				
ETA UMA	PHCAL	13 45 34.0	+49 34 00	1.8							21 LWP	1531	H L 0 6 82	110 07 55	V /	603					
ETA UMA	PHCAL	13 45 34.0	+49 34 00	2.8							21 LWP	1570	H L 0 6 82	162 01 13	V /	501					
HD120315	PHCAL	13 45 34.0	+49 34 00	1.8							21 LWP	1751	H L 0 5 82	358 15 21	V /	* 502					
HD120315	PHCAL	13 45 34.0	+49 34 00	1.8							21 LWR	14889	H L 0 6 82	358 16 12	V /	* 501					
HD120315	PHCAL	13 45 34.0	+49 34 00	1.8							21 SWP	18882	H L 0 6 82	358 16 18	V /	* 501					
HD 120315	PHCAL	13 45 34.2	+49 33 43	1.8	EO.02	B3	V				21 SWP	16877	H L 0 000 06	82 120 21 17	G 82/125	C=185,B=33					
HD 120315	WDEFB	13 45 34.2	+49 33 43	1.8			B3	V			21 SWP	16892	H T 0 000 12	82 125 14 41	G 82/126	C=220,B=47					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1516	H L 0 000 05	82 097 20 31	G 82/098	C=225,B=42					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	16714	H L 0 000 06	82 097 20 34	G 82/098	C=180,B=32					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1517	H L 0 000 05	82 097 21 19	G 82/098	C=225,B=45					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	12978	H L 0 000 06	82 097 21 52	G 82/098	C=220,B=35					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	13121	H L 0 000 06	82 120 21 13	G 82/125	C=235,B=32					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	16962	H L 0 000 06	82 134 20 28	G 82/137	C=180,B=30					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	13247	H L 0 000 06	82 134 20 32	G 82/137	C=210,B=33					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	13476	H T 0 000 12	82 162 17 42	G 82/166	C=230,B=45					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	17374	H L 0 000 06	82 188 13 59	G 82/189	C=190,B=30					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	13624	H L 0 000 06	82 188 14 04	G 82/189	C=220,B=30					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1607	H L 0 000 05	82 188 18 04	G 82/189	C=220,B=40					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	13856	H L 0 000 06	82 216 13 25	G 82/217	C=215,B=32					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	17580	H L 0 000 06	82 216 13 29	G 82/217	C=180,B=32					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1637	H L 0 000 05	82 232 15 04	G 82/236	C=215,B=42					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1703	H L 0 000 05	82 302 09 53	G 82/305*	C=230,B=45					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	18423	H L 0 000 06	82 302 10 26	G 82/305*	C=180,B=33					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	14514	H L 0 000 06	82 302 10 42	G 82/305*	C=230,B=32					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	14540	H L 0 000 06	82 305 06 41	G 82/307*	C=220,B=30					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 SWP	18444	H L 0 000 06	82 305 07 22	G 82/307*	C=180,B=30					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWP	1704	H L 0 000 05	82 305 07 27	G 82/307*	C=225,B=45					
HD 120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V				21 LWR	14972	H L 0 000 40	83 001 03 46	G 83/008*	C=220,B=32					

OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SEC	YR	DAY	HR			
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	SWP	18923	H L D	000 06 83	001 03 49	G 83/008*	C=160,B=32					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	SWP	18926	H L D	000 06 83	001 06 58	G 83/008*	C=170,B=35					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	LWP	1762	H L D	000 05 83	006 17 26	G 83/009*	C=214,B=42					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	SWP	19033	H L D	000 06 83	019 01 53	G 83/019*	C=180,B=32					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	LWR	15072	H L D	000 06 83	019 01 56	G 83/019*	C=215,B=30					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	LWP	1771	H L D	000 05 83	019 06 04	G 83/019*	C=230,B=40					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	LWR	15428	H L D	000 06 83	064 22 36	G 83/066*	C=230,B=32					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	SWP	19399	H L D	000 06 83	064 23 27	G 83/066*	C=180,B=32					
HD	120315	PHCAL	13 45 34.3	+49 33 44	1.8	EO.02	B3	V	21	LWP	1818	H L D	000 05 83	064 23 55	G 83/066*	C=230,B=42					
PG	1346+08	HEEGW	13 46 25.9	+08 12 27	13.6		B0	WD	29	SWP	19534	L L D	020 00 83	083 22 21	G 83/084*	C=130,B=100					
PG	1346+08	HEEGW	13 46 25.9	+08 12 27	13.6		B0	WD	29	LWR	15571	L L D	040 00 83	083 22 47	G 83/084*	C=195,B=115					
PG	1346+08	HEEGW	13 46 25.9	+08 12 27	13.6		B0	WD	29	SWP	19535	L L D	020 00 83	083 23 40	G 83/084*	C=130,B=95					
PG	1346+08	HEEGW	13 46 25.9	+08 12 27	13.6		B0	WD	29	SWP	19536	L L D	015 00 83	084 00 31	G 83/084*	C=62,B=40					
	LSE153	HSEJD	13 50 02.6	-46 29 47	11.4		04	SD	16	SWP	18055	H L D	100 00 82	265 00 02	G 82/265	C=160,B=40					
	1351+64	EE253	13 51 46.0	+64 00 00	14.8				85	SWP	18457	L L D	160 00 82	306 17 07	V / *	342					
HD	121447	COETA	13 53 02.9	-18 00 17	8.1		52		50	LWR	14922	L L D	150 00 82	360 18 28	G 82/361*	E=183,C=140,B=40					
	TOL 89	EE148	13 58 25.0	-32 50 00	15.0				88	LWP	1554	L L D	409 00 82	135 00 51	V /	303					
	TOL 89	EE148	13 58 25.0	-32 50 00	15.0				88	SWP	16971	L L D	120 00 82	136 00 57	V /	301					
	TOL 89	EE148	13 58 25.0	-32 50 00	15.0				88	SWP	16972	L L D	267 00 82	136 03 19	V /	303					
HD	122451	IGEJS	14 00 16.5	-60 07 58	0.6		B1	III	23	LWR	13628	H L D	000 01 82	189 12 24	G 82/190	C=220,B=35					
HD	122451	IGEJS	14 00 16.5	-60 07 58	0.6		B1	III	23	SWP	17381	H L D	000 01 82	189 13 04	G 82/190	C=200,B=30					
HD	122451	IGEJS	14 00 16.5	-60 07 58	0.6		B1	III	23	LWR	13629	H L D	000 01 82	189 13 08	G 82/190	C=220,B=35					
	M101	NUC	EE010	14 01 26.0	+54 35 00	10.0			80	SWP	17481	L L D	120 00 82	205 20 58	V / *	301					
NGC	5461	EGEGB	14 01 55.5	+54 33 26					72	SWP	17482	L L D	180 00 82	206 02 31	G 82/208	E=105,C=87,B=45					
NGC	5461	EE010	14 01 56.0	+54 33 00	12.0				72	LWR	13768	L L D	180 00 82	205 23 26	V / *	305 MN=742					
NGC	5461	EE010	14 01 56.0	+54 33 00	12.0				72	SWP	17482	L L D	180 00 82	206 02 31	V / *	302 READ AT GSFC					
NGC	5471	EGEGB	14 02 43.2	+54 38 07					72	SWP	17483	L L D	180 00 82	206 06 10	G 82/208	E=138,C=122,B=45					
NGC	5471	EGEGB	14 02 43.2	+54 38 07					72	LWR	13769	L L D	105 00 82	206 09 15	G 82/208	C=120,B=65					
NGC	5471	NDERD	14 02 44.0	+54 38 09	0.1				72	SWP	17389	H L D	440 00 82	190 04 35	G 82/190	C=105,B=90					
NGC	5471	NDERD	14 02 44.0	+54 38 09	0.1				72	FES	1363	D 2	020 00 82	190 06 41	G 82/190	NO COMMENTS					
	MRK668	QSERP	14 04 45.6	+28 41 30	14.0				86	SWP	17692	L L D	180 00 82	227 06 45	G 82/229	B=40					
	MRK 668	RGERP	14 04 45.6	+28 41 30	14.0				86	LWR	13954	L L D	210 00 82	227 03 11	G 82/228	B=50					
HD	123999	LGEEB	14 08 07.0	+25 19 39	+4.8		F8	IV	41	LWR	14945	H L D	025 00 82	363 07 42	G 82/363*	C=255,B=38					
HD	123999	OD82B	14 08 07.0	+25 19 39	+4.8		F8	IV	41	SWP	18907	L L D	040 00 82	363 08 13	G 82/363*	C=260,B=20					
HD	123999	OD82B	14 08 07.0	+25 19 39	+4.8		F8	IV	41	SWP	18907	L S D	010 00 82	363 09 00	G 82/363*	C=100,B=20					
	AL VIR	DCEEB	14 08 26.7	-13 04 32	9.2	EO.10	F3	II	53	LWR	14941	L L D	009 00 82	362 23 50	G 82/363*	C=190,B=36					
	AL VIR	DCEEB	14 08 26.7	-13 04 32	9.5	EO.01	F3	II	53	LWR	14966	L L D	040 00 82	365 00 38	G 83/006*	C=1.5X,B=72					
	AL VIR	DCEEB	14 08 26.7	-13 04 32	9.5	EO.01	F3	II	53	LWR	14966	L S D	010 00 82	365 01 25	G 83/006*	C=135,B=72					
HD	87901	PHCAL	14 10 25.5	-10 25 48	1.3	EO.01	B7	V	22	LWR	15264	H L D	000 10 83	042 15 00	G 83/046*	C=255,B=35					
PG	1411+21	WDEGW	14 11 08.5	+21 51 50	13.8		B0	WD	29	SWP	18995	L L D	100 00 83	014 04 04	G 83/014*	C=136,B=70					

	OBJECT ID	PRG ID	TARGET		TARGET DEC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L O	EXPOSE TIME MIN SE	OBSERVATION DATE HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
			HR MN	RA SEC													
PG	1411+21	WDEGW	14 11	08.5	+21 51 50	13.8		BO WD	29	LWR 15049	L L O	065 00	83 014 05 46	G 83/014*	C=140,B=42		
HD	124314	NSERF	14 11	20.0	-61 28 27	6.5		B1 V	20	SWP 16727	H L O	012 00	82 098 23 47	G 82/100	C=170,B=73		
HD	124314	NSERF	14 11	20.0	-61 28 27	6.5		B1 V	20	LWR 12988	H L O	021 00	82 099 00 17	G 82/100	C=30X,B=60		
HD	124314	NSERF	14 11	20.0	-61 28 27	6.5		B1 V	20	SWP 16728	H L O	024 00	82 099 00 45	G 82/100	C=215,B=55		
HD	124314	NSERF	14 11	20.0	-61 28 27	6.5		B1 V	20	LWR 12989	H L O	028 00	82 099 01 17	G 82/100	C=1.5-2X,B=50		
	HD124448	EA015	14 11	47.0	-46 03 00	10.0			21	SWP 16782	H L O	270 00	82 107 03 07	V /	512		
	HD124448	EA015	14 11	47.0	-46 03 00	10.0			21	LWR 13036	H L O	124 00	82 107 07 41	V /	413		
PG	1411+44	QSEWS	14 11	50.0	+44 14 13	15.0			85	SWP 19314	L L O	088 00	83 054 04 19	G 83/056*	E=145,C=55,B=39		
	HD125111	EC081	14 14	22.0	+39 59 00	6.4			40	SWP 17135	L L O	110 00	82 156 23 20	V /	721		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	SWP 17871	L S O	15 82	250 19 56	V /	* 300		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			36	SWP 17871	L L O	25 82	250 19 59	V /	* 700		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	LWR 14114	L S O	6 82	250 20 02	V /	* 402 4-MIN-HTR		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			36	LWR 14114	L L O	9 82	250 20 05	V /	* 702 4-MIN-HTR		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	SWP 17872	L S O	30 82	250 20 34	V /	* 700		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			36	SWP 17872	L L O	10 82	250 20 37	V /	* 500		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	SWP 17873	H L O	10 00	82 250 21 04	V /	* 501		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	LWR 14115	L L O	5 82	250 21 39	V /	* 602 4-MIN-HTR		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			36	LWR 14115	L S O	14 82	250 21 42	V /	* 702 4-MIN-HTR		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	LWR 14116	H L O	6 00	82 250 22 12	V /	* 702 4-MIN-HTR		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	SWP 17874	H L O	25 00	82 250 22 48	V /	* 701		
	HD125162	EA115	14 14	29.0	+46 19 00	4.3			* 36	LWR 14117	H L O	4 00	82 250 23 21	V /	* 502 4-MIN-HTR, MN=87		
	HE2-108	EA254	14 14	48.0	-51 57 00	13.0			70	SWP 17067	L L O	45 00	82 150 00 41	V /	431		
	HD124979	EM264	14 14	51.0	-51 16 00	7.7			12	LWR 13270	H L O	60 00	82 139 06 41	V /	403 4-MIN-HTR-WM-UP		
	NGC 5548	SEYFE	14 15	43.0	+25 22 00	12.9			84	SWP 18857	L L O	30 00	82 356 17 17	V /	* 330		
NGC	5548	QSESG	14 15	43.2	+25 22	12.9			84	SWP 17445	L M O	150 00	82 200 04 48	G 82/200	E=222,C=87,B=33		
NGC	5548	QSESG	14 15	43.2	+25 22	12.9			84	LWR 13717	L L O	030 00	82 200 17 04	G 82/201	E=233,C=225,B=145		
NGC	5548	QSESG	14 15	43.2	+25 22 00	12.9			84	SWP 18890	L M O	150 00	82 359 18 51	G 82/361*	E=167,C=95,B=41		
	NGC5548	EE252	14 15	44.0	+25 22 00	13.0			84	SWP 18782	L L O	30 00	82 346 10 46	V /	* 330		
	NGC 5548	EE252	14 15	44.0	+25 22 00	13.0			84	SWP 18892	L L O	60 00	82 360 10 39	V /	* 351		
	NGC 5548	EE252	14 15	44.0	+25 22 00	13.0			84	LWR 14920	L L O	60 00	82 360 11 46	V /	* 453		
	NGC 5548	EE252	14 15	44.0	+25 22 00	13.0			84	SWP 18893	L S O	60 00	82 360 12 51	V /	* 331		
	A 800	HCETA	14 15	52.9	+35 44 21	4.71		KO III	39	SWP 17720	L L O	060 00	82 231 15 00	G 82/232	C=105,B=82		
PG	1416-12	XQERG	14 16	21.2	-12 56 57	15.2			85	SWP 16763	H L O	028 00	82 104 17 22	G 82/104	E=59,B=28		
HD	125288	RPSTD	14 16	48.8	-56 09 26	4.41	EO.19 B6	IB	25	LWR 15489	L T O	000 09	83 073 22 39	G 83/074*	C=220,B=25		
HD	125288	RPSTD	14 16	48.8	-56 09 26	4.41	EO.19 B6	IB	25	SWP 19460	L T O	000 14	83 073 22 47	G 83/074*	C=170,B=26		
HD	125288	RPSTD	14 16	48.9	-56 09 26	4.33	EO.19 B6	IB	25	SWP 19362	L T O	000 14	83 060 19 29	G 83/061*	C=160,B=18		
HD	125288	RPSTD	14 16	48.9	-56 09 26	4.33	EO.19 B6	IB	25	LWR 15400	L T O	000 09	83 060 19 37	G 83/061*	C=200,B=25		
	A1422+48	EE225	14 19	39.0	+48 01 00	15.3			84	SWP 17265	L L O	140 00	82 170 22 45	V /	331		
	A1422+48	EE225	14 19	39.0	+48 01 00	15.3			84	LWP 1583	L L O	160 00	82 171 01 14	V /	331		
HD	125924	EHEEU	14 20	03.6	-08 01 15	9.70	EO.04 B5		21	SWP 17225	L T O	003 09	82 166 18 55	G 82/167	C=210,B=92		

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC								DEG	MN	SC			
HD	125924	EHEEJ	14	20	03.6	-08 01 15	9.70	EO.04 B5	21	SWP	17226	L T 0	001 43 82	166 19 37	G 82/167	C=140,B=42	
HD	125924	EHEEJ	14	20	03.6	-08 01 15	9.7	EO.04 B5	21	SWP	17231	L T 0	001 50 82	167 13 05	G 82/167	C=130,B=20	
HD	125924	EHEEJ	14	20	03.6	-08 01 15	9.7	EO.04 B5	21	SWP	17232	L T 0	000 55 82	167 13 40	G 82/167	C=80,B=21	
HD	125924	PHCAL	14	20	03.6	-08 01 15	9.70	EO.04 B5	21	SWP	19237	L L 0	003 00 83	043 05 34	G 83/046*	C=5X,B=23	
HD	126660	LDEDS	14	23	29.6	+52 04 52	4.1	F7 V	41	LWR	13588	H L 0	010 00 82	183 12 40	G 82/187	E=159,C=1.3X,B=50	
HD	126660	LDEDS	14	23	29.6	+52 04 52	4.1	F7 V	41	SWP	17342	L L 0	035 00 82	183 13 09	G 82/187	E=179,C=5-10X,B=130	
MRK	1383	XQERG	14	26	33.8	+01 30 27	15.1	A	84	LWR	15201	L L 0	083 00 83	037 20 08	G 83/038*	E=241,C=1.5X,B=160	
MRK	1383	XQERG	14	26	33.8	+01 30 27	15.1	A	84	SWP	19214	L L 0	018 00 83	037 21 34	G 83/038*	E=168,C=200,B=160	
HD	127821	ECO81	14	29	35.0	+63 25 00	6.1		41	LWR	13413	H L 0	100 00 82	155 22 44	V /	735 MN=749	
HD	127821	ECO81	14	29	35.0	+63 25 00	6.1		41	SWP	17127	L L 0	215 00 82	156 00 28	V /	742	
HD	127762	EA051	14	30	04.0	+38 32 00	0.3		33	LWR	14311	H L 0	3 00 82	274 21 47	V /	* 501	
HD	127972	OD83B	14	32	19.2	-41 56 21	+2.6	B3 III	26	SWP	18858	H L 0	000 10 82	356 18 31	G 82/357*	C=210,B=40	
HD	127972	OD83B	14	32	19.2	-41 56 21	+2.6	B3 III	26	SWP	18859	H L 0	000 30 82	356 18 58	G 82/357*	C=3X,B=80	
HD	127972	OD83B	14	32	19.2	-41 56 21	2.6	B3 III	26	SWP	19431	H L 0	000 15 83	069 01 23	G 83/073*	C=1.5X,B=46	
HD	127972	OD83B	14	32	19.2	-41 56 21	2.6	B3 III	26	SWP	19432	H L 0	000 10 83	069 01 48	G 83/073*	C=215,B=35	
HD	127972	OD83B	14	32	19.3	-41 56 22	2.6	B3 III	26	SWP	19042	H L 0	000 15 83	020 04 15	G 83/020*	C=50XX,B=45	
HD	127972	OD83B	14	32	19.3	-41 56 21	2.6	B3 III	26	SWP	19257	H L 0	000 30 83	046 04 33	G 83/047*	E=245,C=5X,B=70	
HD	128167	ECO67	14	32	30.0	+29 58 00	4.5		40	SWP	18874	L L 0	35 82	357 17 23	V /	* 401	
HD	128167	ECO67	14	32	30.0	+29 58 00	4.5		40	SWP	18874	L S 0	2 00	82 357 17 27	V /	* 401	
HD	128167	ECO67	14	32	30.0	+29 58 00	4.5		40	LWR	14882	L L 0	15 82	357 17 31	V /	* 702 70 PIX SAT	
HD	128167	ECO67	14	32	30.0	+29 58 00	4.5		40	LWR	14882	L S 0	10 82	357 17 34	V /	* 402	
HD	128171	RSERP	14	33	02.0	-17 49 05	9.0	K5	39	LWR	13427	L L 0	020 00 82	157 14 53	G 82/159	E=93,C=90,B=30	
HD	128171	RSERP	14	33	02.0	-17 49 05	9.0	K5	39	SWP	17138	L L 0	120 00 82	157 15 18	G 82/159	B=90	
HD	128171	RSERP	14	33	02.0	-17 49 05	9.0	K5	39	LWR	13428	L L 0	040 00 82	157 17 26	G 82/159	E=162,C=140,B=39	
MRK	817	QSEAB	14	34	57.8	+59 00 38	14.3		84	SWP	17442	L M 0	270 00 82	199 04 39	G 82/200	E=166,C=16,B=43	
MRK	817	QSEAB	14	34	57.8	+59 00 38	14.3		84	LWR	13704	L M 0	146 00 82	199 09 19	G 82/200	E=224,C=200,B=81	
HD	128621	LDFDS	14	35	53.6	-60 37 37	1.39	K1 V	46	SWP	19478	L L 0	002 40 83	077 00 20	G 83/077*	E=118,C=60,B=37	
HD	128621	LDEKH	14	35	53.9	-60 37 37	1.3	K1 V	46	LWR	13958	H L 0	001 52 82	227 15 02	G 82/228	E=181,C=180,B=35	
HD	128621	LDEKH	14	35	53.9	-60 37 37	1.3	K1 V	46	SWP	17697	L L 0	002 40 82	227 15 06	G 82/228	C=65,B=42	
HD	128621	LDEKH	14	35	53.9	-60 37 37	1.3	K1 V	46	LWR	14145	H L 0	001 52 82	254 12 42	G 82/256	E=182,C=200,B=32	
HD	128621	LDEKH	14	35	53.9	-60 37 37	1.3	K1 V	46	SWP	17922	L L 0	002 40 82	254 12 46	G 82/256	C=60,B=40	
HD	128621	CCEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	SWP	17561	L L 0	002 40 82	214 11 45	G 82/216	E=38,C=45,B=25	
HD	128621	CCEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	LWR	13840	H L 0	001 52 82	214 11 51	G 82/216	E=134,C=160,B=25	
HD	128621	CCEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	LWR	13841	H L 0	001 52 82	214 12 52	G 82/216	E=127,C=160,B=25	
HD	128621	CCEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	SWP	17562	L L 0	002 40 82	214 12 58	G 82/216	E=124,C=42,B=25	
HD	128621	LDEKH	14	35	54.1	-60 37 37	1.3	K1 V	46	SWP	16922	L L 0	002 40 82	127 21 00	G 82/130	E=136,C=68,B=45	
HD	128621	LDEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	LWR	13193	H L 0	001 52 82	127 21 05	G 82/130	E=186,C=190,B=34	
HD	128621	LDEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	LWR	13277	H L 0	001 52 82	139 22 12	G 82/140	E=166,C=180,B=27	
HD	128621	LDEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	SWP	16997	L L 0	002 40 82	139 22 16	G 82/140	C=42,B=18	
HD	128621	LDEKH	14	35	54.1	-60 37 38	1.3	K1 V	46	LWR	13303	H L 0	001 52 82	143 21 54	G 82/144	E=128,C=160,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 SWP	17027	L L 0	002 40 82	143 21 58	G 82/144		C=40,B=19
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 LWR	14005	H L 0	001 52 82	236 15 57	G 82/237		E=183,C=205,B=33
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 SWP	17760	L L 0	002 40 82	236 16 02	G 82/237		E=114,C=55,B=30
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 LWR	14066	H L 0	001 52 82	243 12 30	G 82/244		E=143,C=165,B=28
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 SWP	17818	L L 0	002 40 82	243 12 35	G 82/244		E=118,C=50,B=30
HD	128621	LDEKH 14 35 54.1	-60 37 38	1.3		K1 V	46 LWR	14123	H L 0	001 52 82	251 11 51	G 82/251		E=172,C=200,B=32
HR	5460	CCETA 14 35 54.6	-60 37 36	1.3		K1 V	46 LWR	13220	H L 0	002 00 82	130 21 33	G 82/132		E=185,C=180,B=25
HR	5460	CCETA 14 35 54.6	-60 37 36	1.3		K1 V	46 LWR	13221	H L 0	010 00 82	130 22 16	G 82/132		E=4-5X,C=4-5X,B=40
HR	5460	CCETA 14 35 54.6	-60 37 36	1.3		K1 V	46 LWR	13222	H L 0	040 00 82	130 23 06	G 82/132		E=20X,C=20X,B=47
HD	128620	LDFDS 14 35 55.2	-60 37 18	0.00		G2 V	44 SWP	19476	L L 0	010 00 83	076 22 29	G 83/077*		E=1.1X,C=10X,B=55
HD	128620	LDFDS 14 35 55.2	-60 37 18	0.00		G2 V	44 SWP	19477	L L 0	005 00 83	076 23 27	G 83/077*		E=219,C=5X,B=45
HD	128620	LDFDS 14 35 55.2	-60 37 18	0.00		G2 V	44 SWP	19479	L L 0	010 00 83	077 00 54	G 83/077*		B=79
HD	128620	LDFDS 14 35 55.2	-60 37 18	0.00		G2 V	44 LWR	15515	H L 0	001 00 83	077 01 14	G 83/077*		B=26
HD	128620	LDEKH 14 35 55.5	-60 37 19	0.0		G2 V	44 LWR	13857	H L 0	001 00 82	216 14 43	G 82/217		E=181,C=2X,B=38
HD	128620	LDEKH 14 35 55.5	-60 37 19	0.0		G2 V	44 SWP	17581	L L 0	003 00 82	216 14 46	G 82/217		E=184,C=2X,B=42
HD	128620	LDEKH 14 35 55.5	-60 37 19	5.0		F5 V	41 LWR	13858	H L 0	001 00 82	216 15 59	G 82/217		E=181,C=2X,B=42
HD	128620	CCEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13839	H L 0	001 00 82	214 10 32	G 82/216		E=154,C=2X,B=32
HD	128620	CCEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	17560	L L 0	003 00 82	214 10 36	G 82/216		E=148,C=2X,B=25
HD	128620	CCEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13842	H L 0	001 00 82	214 14 02	G 82/216		E=176,C=2X,B=35
HD	128620	CCEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	17563	L L 0	003 00 82	214 14 05	G 82/216		E=152,C=2X,B=25
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16692	L L 0	003 00 82	095 00 38	G 82/096		E=147,C=1.5X,B=22
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	12949	H L 0	001 00 82	095 00 44	G 82/096		E=160,C=1.5X,B=35
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16716	L L 0	003 00 82	098 00 39	G 82/098		E=152,C=1.5X,B=28
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	12980	H L 0	001 00 82	098 00 45	G 82/098		E=181,C=2X,B=38
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16779	L L 0	003 00 82	106 22 44	G 82/107		C=2X,B=20
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16796	L L 0	003 00 82	110 01 50	G 82/110		C=2X,B=20
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13112	H L 0	001 00 82	120 01 39	G 82/120		E=177,C=1.5X,B=33
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16921	L L 0	003 00 82	127 19 53	G 82/130		E=169,C=2X,B=45
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13192	H L 0	001 00 82	127 19 59	G 82/130		E=192,C=2X,B=35
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13209	H L 0	001 00 82	129 12 43	G 82/131		E=164,C=2X,B=35
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16939	L L 0	003 00 82	129 12 47	G 82/131		E=141,C=2X,B=18
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13238	H L 0	001 00 82	133 20 45	G 82/134		E=198,C=2X,B=35
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16953	L L 0	003 00 82	133 20 49	G 82/134		E=135,C=2X,B=30
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13267	H L 0	001 00 82	138 23 40	G 82/139		E=200,C=1.5X,B=35
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13276	H L 0	001 00 82	139 21 03	G 82/140		E=188,C=1.5X,B=33
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	16996	L L 0	003 00 82	139 21 07	G 82/140		C=2X,B=20
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13285	H L 0	001 00 82	140 23 32	G 82/141		E=189,C=2X,B=32
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	17007	L L 0	003 00 82	140 23 35	G 82/141		C=2X,B=19
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 LWR	13302	H L 0	001 00 82	143 20 51	G 82/144		E=148,C=2X,B=32
HD	128620	LDEKH 14 35 55.6	-60 37 19	0.0		G2 V	44 SWP	17026	L L 0	003 00 82	143 20 55	G 82/144		C=1.5X,B=21

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN				YR/DAY			
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17582	L	L	0	003	00	82	216	16	04	G	82/217	E=170,C=2X,B=55	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	13913	H	L	0	001	00	82	222	13	22	G	82/223	E=154,C=2X,B=35	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17648	L	L	0	003	00	82	222	13	26	G	82/223	C=2X,B=18	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	13946	H	L	0	001	00	82	226	13	19	G	82/228	E=200,C=2-3X,B=35	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17683	L	L	0	003	00	82	226	13	22	G	82/228	C=2X,B=25	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17698	L	L	0	003	00	82	227	15	52	G	82/228	C=2X,B=35	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17724	L	L	0	003	00	82	232	13	32	G	82/232	E=148,C=2X,B=19	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	13987	H	L	0	001	00	82	232	13	37	G	82/232	E=167,C=2X,B=32	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17759	L	L	0	003	00	82	236	14	45	G	82/237	E=160,C=2X,B=30	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	14004	H	L	0	001	00	82	236	14	53	G	82/237	E=200,C=2X,B=40	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	14122	H	L	0	001	00	82	251	10	49	G	82/251	E=190,C=2X,B=35	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17877	L	L	0	003	00	82	251	10	53	G	82/251	C=2X,B=21	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 LWR	14146	H	L	0	001	00	82	254	13	50	G	82/256	E=199,C=2X,B=39	
HD	128620	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V	44 SWP	17923	L	L	0	003	00	82	254	13	53	G	82/256	E=73,C=2X,B=32	
HD	129333	LDEDS	14	37	56.3	+64	30	25	7.5	GO	V	44 SWP	17340	L	L	0	240	00	82	183	04	29	G	82/187	E=105,C=170,B=58	
HD	129333	LDEDS	14	37	56.3	+64	30	25	7.5	GO	V	44 LWR	15502	H	L	0	120	00	83	075	16	26	G	83/076*	E=207,C=180,B=75	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 SWP	17168	L	L	0	95	00	82	159	23	15	V	/	351	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 LWR	13447	L	L	0	55	00	82	159	23	19	V	/	001 SERENDIPITY	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 LWR	13448	L	L	0	80	00	82	160	00	58	V	/	341	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 SWP	17169	L	L	0	15	00	82	160	01	38	V	/	001 SERENDIPITY	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 SWP	17170	L	L	0	57	00	82	160	02	25	V	/	241	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 LWR	13449	L	L	0	90	00	82	160	03	01	V	/	341	
MKN	478	EE231	14	40	05.0	+35	39	00	14.6			84 LWR	13450	L	L	0	40	00	82	160	05	06	V	/	231	
HD	129708	SGEBM	14	42	47.6	-61	15	08	7.5	EO.7	F2	II	40 LWR	13403	L	L	0	001	00	82	155	08	39	G	82/155	C=70,B=20
HD	129708	SGEBM	14	42	47.6	-61	15	08	7.5	EO.7	F2	II	40 SWP	17115	L	L	0	010	00	82	155	08	45	G	82/155	C=120,B=18
Q	1442+101	UK472	14	42	50.0	+10	11	00	17.9			85 SWP	16688	L	L	0	835	00	82	094	03	10	V	/	* 119	
Q	1442+101	QCEAB	14	42	50.3	+10	11	12	17.8			85 LWP	1649	L	L	0	770	00	82	236	02	59	G	82/236	C=110,B=110	
Q	1442+101	HZDAB	14	42	50.4	+10	11	13	17.8			85 SWP	16688	H	L	0	835	00	82	094	10	34	G	82/095	E=255,B=112	
PG	1445+15	HEEGW	14	45	53.1	+15	17	12	15.6			29 SWP	19548	L	L	0	180	00	83	085	11	21	G	83/087*	E=106,C=115,B=32	
PG	1445+15	HEEGW	14	45	53.1	+15	17	12	15.6			29 LWR	15584	L	L	0	120	00	83	085	14	29	G	83/087*	C=120,B=35	
HD	130701	HCETA	14	48	29.9	-63	36	18	5.8			39 LWR	13098	L	L	0	001	24	82	119	00	05	G	82/119	C=240,B=25	
PG	1448	QSEWS	14	48	58.3	+27	21	46	15.0			85 SWP	19322	L	L	0	055	00	83	055	23	45	G	83/059*	C=230,B=195	
PG	1448	QSEWS	14	48	58.3	+27	21	46	15.0			85 LWR	15367	L	L	0	060	00	83	056	00	45	G	83/059*	B=210	
PG	1448	QSEWS	14	48	58.3	+27	21	46	15.0			85 LWR	15368	L	L	0	107	00	83	056	03	56	G	83/059*	C=90,B=42	
HR	5544	CCETA	14	49	04.7	+19	18	26	4.5			44 LWR	12953	H	L	0	150	00	82	095	10	42	G	82/096	E=10X,C=5-8X,B=70.	
HR	5544	CCETA	14	49	04.7	+19	18	26	4.5			44 LWR	12959	H	L	0	007	30	82	095	22	49	G	82/096	E=160,C=125,B=45	
HR	5544	CCETA	14	49	04.7	+19	18	26	4.5			44 LWR	12960	H	L	0	011	00	82	095	23	26	G	82/096	E=226,C=170,B=63	
HR	5544	CCETA	14	49	04.7	+19	18	26	4.5			44 LWR	12961	H	L	0	020	00	82	096	00	06	G	82/096	E=255,C=230,B=80	
HR	5544	CCETA	14	49	04.7	+19	18	26	4.5			44 LWR	12962	H	L	0	053	00	82	096	00	54	G	82/096	E=2X,C=2.5X,B=70	
HD	131156	CSEMG	14	49	04.8	+19	18	27	4.7			44 LWR	13797	H	L	0	009	30	82	210	15	46	G	82/211	E=232,C=175,B=88	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG						MN	SC	S	P	A	TIME			
HD	131156	CSEMG	14 49 04.8	+19 18 27	4.7	G8 V	44 SWP	17517	L L 0	020 00	82 210	16 10	G	82/214	E=250,C=1.2X,B=226				
HD	131156	CSEMG	14 49 04.8	+19 18 27	4.7	G8 V	44 LWR	13804	H L 0	011 00	82 211	14 47	G	82/214	E=240,C=175,B=71				
HD	131156	CSEMG	14 49 04.8	+19 18 27	4.7	G8 V	44 SWP	17525	L L 0	020 00	82 211	15 08	G	82/214	E=234,C=220,B=180				
HD	131156	CSEMG	14 49 04.8	+19 18 27	4.7	G8 V	44 LWR	13821	L L 0	000 20	82 212	18 18	G	82/214	C=150,B=25				
HD	131156	CSEMG	14 49 04.8	+19 18 27	4.7	G8 V	44 SWP	17538	L L 0	090 00	82 212	18 21	G	82/217	E=2X,C=185,B=41				
HD	131156	LDERN	14 49 04.8	+19 18 27	4.5	G8 V	44 SWP	16979	L L 0	155 00	82 137	21 14	G	82/138	E=255,C=1.5X,B=72				
HD	131156	LDERN	14 49 04.8	+19 18 27	4.5	G8 V	46 LWR	13347	H L 0	015 00	82 150	12 55	G	82/153	E=194,C=150,B=30				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13050	L T 0	000 55	82 110	10 07	G	82/110	C=160,B=24				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 SWP	16797	L L 0	090 00	82 110	10 17	G	82/110	E=255,C=185,B=35				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13051	H L 0	015 00	82 110	11 55	G	82/110	E=212,C=190,B=32				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13052	L T 0	001 32	82 110	13 14	G	82/111	E=218,C=200,B=25				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 SWP	16828	L L 0	001 00	82 114	23 07	G	82/115	E=184,C=160,B=65				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13086	L T 0	001 32	82 116	23 01	G	82/117	C=140,B=21				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 SWP	16840	L L 0	045 00	82 116	23 21	G	82/117	E=135,C=120,B=40				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13087	H T 0	015 00	82 117	00 11	G	82/117	E=199,C=145,B=32				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 SWP	16841	L L 0	070 00	82 117	00 39	G	82/117	E=158,C=150,B=36				
HD	131156	LDEJL	14 49 04.9	+19 18 26	4.7	G8 V	44 LWR	13109	L T 0	001 32	82 119	21 42	G	82/120	C=200,B=28				
HD	131156	CSEMG	14 49 05.0	+19 18 23	4.7	G8 V	44 LWR	13814	H L 0	015 00	82 212	07 20	G	82/215	E=193,C=160,B=32				
HD	131156	CSEMG	14 49 05.0	+19 18 23	4.7	G8 V	44 SWP	17533	L L 0	090 00	82 212	07 48	G	82/214	E=191,C=180,B=38				
HD	131156	LDEJL	14 49 05.0	+19 18 22	4.7	G8 V	44 SWP	16814	L L 0	060 00	82 112	21 03	G	82/114	E=216,C=200,B=98				
HD	131156	LDEJL	14 49 05.0	+19 18 27			44 LWR	13114	H L 0	015 00	82 120	09 51	G	82/120	E=186,C=140,B=27				
HD	131156	LDEJL	14 49 05.0	+19 18 27			44 SWP	16873	L L 0	090 00	82 120	10 13	G	82/120	E=2-3X,C=180,B=45				
HD	131156	LDEJL	14 49 05.0	+19 18 27			44 LWR	13115	L T 0	001 32	82 120	11 48	G	82/120	C=190,B=25				
HD	131156	LDERN	14 49 05.0	+19 18 27	4.5	G8 V	44 SWP	16991	L L 0	180 00	82 139	08 54	G	82/140	E=3X,C=2X,B=53				
HD	131156	LDERN	14 49 05.0	+19 18 23	4.5	G8 V	44 LWR	13292	H L 0	015 00	82 142	09 00	G	82/144	E=212,C=177,B=32				
HD	131156	LDERN	14 49 05.0	+19 18 23	4.5	G8 V	44 SWP	17016	L L 0	180 00	82 142	09 24	G	82/144	C=2X,B=50				
HD	131156	LDERN	14 49 05.0	+19 18 23	4.5	G8 V	44 LWR	13310	H L 0	015 00	82 144	17 28	G	82/145	E=255,C=170,B=32				
HD	131156	CSEMG	14 49 05.1	+19 18 24	3.4	G8 IV	44 LWR	13820	H L 0	015 00	82 212	17 21	G	82/215	E=227,C=180,B=43				
HD	131156	LDERN	14 49 05.1	+19 18 26	4.5	G8 V	44 LWR	13271	H L 0	015 00	82 139	11 59	G	82/140	E=194,C=155,B=26				
HD	131156	LDEJL	14 49 09.8	+19 18 27	4.7	G8 V	44 SWP	16798	L L 0	045 00	82 110	12 22	G	82/110	E=255,C=115,B=30				
HD	131156	LDEJL	14 49 09.8	+19 18 27	4.7	G8 V	44 LWR	13067	H L 0	015 00	82 112	22 07	G	82/114	E=234,C=185,B=45				
HD	131156	LDEJL	14 49 09.8	+19 18 27	4.7	G8 V	44 LWR	13074	H L 0	015 00	82 114	21 44	G	82/115	E=268,C=185,B=45				
HD	131156	LDEJL	14 49 09.8	+19 18 27	4.7	G8 V	44 SWP	16860	L L 0	090 00	82 119	19 19	G	82/120	E=237,C=200,B=68				
HD	131156	LDEJL	14 49 09.8	+19 18 27	4.7	G8 V	44 LWR	13108	H L 0	015 00	82 119	20 53	G	82/120	E=212,C=165,B=33				
MK 288	EGEJH	14 50 50.2	+74 01 40	14.5			88 SWP	17322	L L 0	302 00	82 181	06 58	G	82/183	C=70,B=65				
HD	131511	LDEJL	14 51 07.4	+19 21 10	6.0	K1 V	46 LWR	13075	H L 0	020 00	82 114	22 40	G	82/115	E=139,C=100,B=50				
HD	132058	NSEJR	14 55 14.0	-42 56 02	2.7	B2 IV	20 SWP	16770	H S 0	000 10	82 105	21 40	G	82/106	C=150,B=32				
HD	132058	NSEJR	14 55 14.0	-42 56 02	2.7	B2 IV	20 SWP	16775	H S 0	000 16	82 106	18 43	G	82/107	C=165,B=28				
HD	132058	NSEJR	14 55 14.0	-42 56 02	2.7	B2 IV	20 LWR	13032	H L 0	000 10	82 106	18 48	G	82/107	C=1.2X,B=35				
HD	132058	NSEJR	14 55 14.0	-42 56 02	2.7	B2 IV	20 SWP	17457	H S 0	000 17	82 202	16 22	G	82/203	C=198,B=34				

OBJECT ID	PROG ID	TARGET			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S P A P R P	L H L O	EXPOSE TIME	OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MM	SEC	DEG	MN	SC									YR	DAY	HR			
HD	132058	NSEJR	14 55	14.0	-42 56	02	2.7		B2	IV	20	LWR	13739	H S O	000 12 82	202 16 29	G	82/203	C=205,B=33		
HD	132058	NSEJR	14 55	14.0	-42 56	02	2.7		B2	IV	20	SWP	17458	H S O	000 20 82	202 16 55	G	82/203	C=205,B=40		
HD	132200	NSEJR	14 55	53.0	-41 54	17	3.1		B2	V	20	LWR	13033	H S O	000 35 82	106 19 53	G	82/107	C=1.3X,B=33		
HD	132200	NSEJR	14 55	53.0	-41 54	17	3.1		B2	V	20	SWP	16776	H S O	000 40 82	106 19 57	G	82/107	C=190,B=32		
HD	132200	NSEJR	14 55	53.0	-41 54	17	3.1		B2	V	20	SWP*	17459	H S O	000 35 82	202 17 43	G	82/203	C=230,B=39		
HD	132742	CBEDL	14 58	15.0	-08 19		4.9		B3	V	13	SWP	17710	H L O	020 00 82	228 15 21	G	82/230	C=3X,B=160		
	OOSN1006	NSEJR	14 59	11.7	-41 32	17	0.0				75	SWP	16769	L L O	570 00 82	105 10 56	G	82/106	B=140		
	G256-18	HEEGW	14 59	40.0	+82 08	41	14.8		B	WD	29	LWR	15577	L L O	120 00 83	084 11 33	G	83/084*	C=200,B=42		
	G256-18	HEEGW	14 59	40.0	+82 08	41	14.8		B	WD	29	SWP	19540	L L O	180 00 83	084 13 37	G	83/087*	C=150,B=34		
NGC	5824	GHEST	15 00	53.9	-32 52	59	15.0		F5		83	LWP	1587	H L O	999 99 82	176 19 54	G	82/180	C=200,B=135,EXP=1010		
	NGC 5824	EM181	15 00	54.0	-32 53	00	10.3				83	LWP	1587	H L O	0 82	176 19 54	V	/	* 309 READ AT GSFC EXP		
	NGC 5824	EM181	15 00	54.0	-32 53	00	10.3				83	SWP	17295	H L O	935 00 82	176 20 21	V	/	* 009SERENDIPITY,READ		
	NGC 5824	EM181	15 00	54.0	-32 53	00	10.3				83	LWP	1589	H L O	725 00 82	177 23 18	V	/	* 309 READ AT GSFC		
	NGC 5824	EM181	15 00	54.0	-32 53	00	10.3				83	SWP	17298	H L O	710 00 82	177 23 22	V	/	* 117 READ AT GSFC		
NGC	5824	GHEST	15 00	54.0	-32 53		15.0		F5		83	LWP	1585	L L O	030 00 82	176 16 55	G	82/181	C=100,B=46		
NGC	5824	GHEST	15 00	54.0	-32 53		15.0		F5		83	LWP	1589	H L O	725 00 82	177 23 18	G	82/180	C=170,B=110		
	MK 841	XQERG	15 01	36.3	+10 37	55	15.2		A		84	SWP	19212	L L O	030 00 83	037 14 40	G	83/038*	E=86,C=43,B=21		
	MK 841	XQERG	15 01	36.3	+10 37	55	15.2		A		84	LWR	15200	L L O	090 00 83	037 15 13	G	83/038*	E=147,C=127,B=40		
	MK 841	XQERG	15 01	36.3	+10 37	55	15.2		A		84	SWP	19213	L L O	180 00 83	037 16 46	G	83/038*	E=2X,C=160,B=85		
HD	133683	SGBEM	15 05	01.5	-66 53	37	5.8		F9	IB	41	LWR	13404	L L O	003 41 82	155 09 43	G	82/155	E=1.5,B=22		
HD	133683	SGBEM	15 05	01.5	-66 53	37	5.8		F9	IB	41	SWP	17116	L L O	002 12 82	155 09 52	G	82/155	B=18		
HD	134083	LDEDS	15 05	06.2	+25 03	46	4.9		F5	V	41	SWP	17341	L L O	180 00 82	183 09 02	G	82/187	E=226,C=20X,B=55		
HD	134270	HCETA	15 07	31.3	-55 09	26	5.6				39	LWR	15294	L S O	002 00 83	047 00 05	G	83/047*	C=170,B=25		
HD	134270	HCETA	15 07	31.3	-55 09	26	5.6				39	LWR	15294	L L O	002 00 83	047 00 10	G	83/047*	C=230,B=25		
HD	134270	HCETA	15 07	31.3	-55 09	26	5.6				39	SWP	19264	L L O	002 00 83	047 00 21	G	83/047*	C=150,B=25		
	1510-089	QSEAG	15 10	08.9	-08 54	48	15.6				85	SWP	16848	L L O	110 00 82	118 14 42	G	82/119	B=50		
	1510-089	QSEAG	15 10	08.9	-08 54	48	15.6				85	LWR	13093	L L O	029 00 82	118 16 36	G	82/119	B=43		
HD	135160	NSERF	15 12	03.0	-60 43	11	5.7		B1		20	LWR	12986	H L O	004 00 82	098 21 48	G	82/099	C=1.5-2X,B=45		
HD	135160	NSERF	15 12	03.0	-60 43	11	5.7		B1		20	SWP	16725	H L O	005 30 82	098 21 55	G	82/099	C=2-3X,B=65		
HD	135160	NSERF	15 12	03.0	-60 43	12	5.7		B1		20	SWP	16726	H L O	002 30 82	098 22 56	G	82/099	C=185,B=45		
HD	135160	NSERF	15 12	03.0	-60 43	12	5.7		B1		20	LWR	12987	H L O	003 00 82	098 23 03	G	82/100	C=240,B=43		
HD	135345	EC140	15 12	46.0	-41 18	00	5.2				45	SWP	16677	H L O	30 00 82	091 05 20	V	/	501		
HD	135345	HCETA	15 12	46.1	-41 18	25	5.2		G5	IA	39	LWR	15295	L L O	000 12 83	047 01 15	G	83/047*	C=160,B=25		
HD	135345	HCETA	15 12	46.1	-41 18	25	5.2		G5	IA	39	SWP	19265	L L O	000 18 83	047 01 18	G	83/047*	C=160,B=20		
HD	135345	SGBEM	15 12	46.1	-41 18	25	0.0		G5	IA	45	SWP	19283	L L O	000 10 83	049 00 48	G	83/052*	C=90,B=20		
HD	135345	SGBEM	15 12	46.1	-41 18	25	0.0		G5	IA	45	SWP	19283	L S O	000 10 83	049 00 54	G	83/052*	C=80,B=20		
HD	135345	SGBEM	15 12	46.1	-41 18	25	0.0		G5	IA	45	SWP	19286	L L O	000 22 83	049 05 36	G	83/053*	C=190,B=20		
	HD 135382	EA051	15 14	13.0	-68 30	00	2.9				36	LWR	14326	H L O	1 40 82	276 14 41	V	/	* 502 4-MIN-HTR		
HD	135382	EA051	15 14	13.0	-68 30	00	2.9				36	SWP	18196	H L O	8 20 82	276 14 46	V	/	* 801		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
NGC 5897	EPEJC	15 14 27.4	-20 49 30	9.5		GO	83	LWR	15087	L L O	085 00	83	021 22 22	G	83/024*	B=140					
NGC 5904	OD87B	15 15 45.4	+02 15 35	6.7			83	SWP	17508	L L O	015 00	82	209 15 06	G	82/211	C=135, B=80					
NGC 5904	OD87B	15 16 00.8	+02 16 11	6.7			83	FES	1371	D 2	040 00	82	209 14 54	G	82/211	NO COMMENTS					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	LWR	13788	L L O	030 00	82	209 15 24	G	82/211	C=215, B=100					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	SWP	17509	L L O	020 00	82	209 16 03	G	82/211	C=215, B=145					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	LWR	13789	L L O	020 00	82	209 16 39	G	82/211	C=185, B=88					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	SWP	17510	L L O	020 00	82	209 17 16	G	82/211	C=165, B=94					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	LWR	13790	L L O	070 00	82	209 17 50	G	82/211	C=1.1X, B=55					
NGC 5904	OD87B	15 16 00.8	+02 16 04	6.7			83	SWP	17511	L L O	040 00	82	209 19 05	G	82/211	C=205, B=30					
HD 136175	CBEDL	15 16 09.0	+31 50	7.6		B7 V	22	SWP	17703	H L O	140 00	82	228 02 29	G	82/229	C=235, B=55					
HD 136175	EI164	15 16 09.0	+31 50 00	7.5			22	SWP	18288	H L O	37 00	82	287 21 09	V	/	* 400					
HD 136298	NSEJR	15 18 04.0	-40 28 04	3.2		B2 IV	20	LWR	13034	H S O	000 25	82	106 20 58	G	82/107	C=225, B=32					
HD 136298	NSEJR	15 18 04.0	-40 28 04	3.2		B2 IV	20	SWP	16777	H S O	000 40	82	106 21 01	G	82/107	C=1.5X, B=45					
HD 136298	NSEJR	15 18 04.0	-40 28 04	3.2		B2 IV	20	SWP	16778	H S O	000 25	82	106 21 30	G	82/107	C=225, B=33					
PHI2	LUP GHEST	15 19 57.1	-36 40 50	4.53	E-.01	B5 V	21	LWP	1586	H T O	001 35	82	176 18 15	G	82/180	C=185, B=50					
PHI2	LUP GHEST	15 19 57.1	-36 40 50	4.53	E-.01	B5 V	21	LWP	1588	H T O	001 59	82	177 13 40	G	82/180	C=205, B=53					
PHI2	LUP GHEST	15 19 57.1	-36 40 50	4.53	E-.01	B5 V	21	LWP	1590	H T O	001 59	82	178 12 51	G	82/181	C=215, B=60					
PG 1522+102	QSERG	15 21 59.9	+10 09 02	15.9			85	LWR	13008	L L O	410 00	82	102 11 04	G	82/102	E=270, C=170, B=85					
PG 1522+102	QSERG	15 21 59.9	+10 09 02	15.9		F	85	SWP	17098	L L O	357 00	82	153 07 06	G	82/153	C=125, B=90					
PG 1522+102	QSERG	15 22 00.0	+10 09 02	15.9		F	85	FES	1357	D 2	160 00	82	102 16 42	G	82/102						
PG 1524+439	CVEJL	15 24 09.6	+43 51 53	15.0		A	54	SWP	17351	L L O	080 00	82	185 04 47	G	82/187	C=25, B=100					
PG 1524+439	CVEJL	15 24 09.6	+43 51 53	15.0		A	54	LWR	13599	L L O	040 00	82	185 06 14	G	82/187	C=95, B=32					
Q 1525+277	QSEMS	15 25 45.6	+22 43 24	0.0			85	LWR	15070	L L O	430 00	83	018 16 32	G	83/019*	C=200, B=125					
HD 138485	MLEPB	15 30 05.4	-16 41 05	5.5		B2 V	20	SWP	19350	H L O	002 30	83	059 04 05	G	83/061*	C=180, B=34					
HD 138749	EA080	15 30 55.0	+31 32 00	4.8			21	SWP	16910	H S O	3 10	82	127 01 36	V	/	501					
HD 138789	EA080	15 30 55.0	+31 32 00	4.2			26	SWP	17096	H L O	2 00	82	153 01 08	V	/	501					
HD 138749	EA080	15 30 55.0	+31 32 00	4.2			21	SWP	17334	H L O	1 45	82	182 21 11	V	/	* 501					
HD 138749	EA080	15 30 55.0	+31 32 00	4.2			21	SWP	17585	H L O	1 45	82	216 19 32	V	/	* 501					
HD 138749	EA080	15 30 55.0	+31 32 00	4.2			26	SWP	18824	H L O	1 45	82	353 14 48	V	/	* 501					
HD 139006	EA051	15 32 34.0	+26 53 00	2.3			30	LWR	14310	H L O	40 82	274 20 46	V	/	* 502 4-MIN-HTR						
HD 139006	EA051	15 32 34.0	+26 53 00	2.3			30	SWP	18174	H L O	2 45	82	274 20 48	V	/	* 701 SPREP					
HD 139006	CBEDL	15 32 36.0	+26 53	2.2		AO V	13	LWR	13966	H L O	000 35	82	228 16 13	G	82/230	C=220, B=33					
HD 139319	CBEDL	15 33 06.0	+64 04	7.3		A5 V	33	LWR	13967	L L O	005 00	82	228 17 02	G	82/229	C=1.5X, B=32					
HD 139319	CBEDL	15 33 06.0	+64 04	7.3		A5 V	33	SWP	17711	L L O	007 00	82	228 17 29	G	82/229	C=180, B=21					
HD 139195	LGEEB	15 34 05.3	+10 10 34	5.3		KO III	47	SWP	17056	L L O	153 00	82	147 18 05	G	82/148	C=163, B=126					
HD 139195	LGEEB	15 34 05.3	+10 10 34	5.3		KO III	47	LWR	13325	H L O	090 00	82	147 20 43	G	82/148	E=149, C=220, B=52					
MRK 486	QSEAB	15 35 20.7	+54 43 22	15.2			84	SWP	18112	L L O	195 00	82	269 01 44	G	82/271	E=69, C=80, B=53					
MRK 486	QSEAB	15 35 20.7	+54 43 22	15.2			84	LWR	14264	L L O	150 00	82	269 06 21	G	82/271	C=140, B=70					
ANON GAL	EE231	15 35 21.0	+54 43 00	14.2			80	LWR	13432	L L O	50 00	82	157 22 55	V	/	301 GALAXY NEAR MKN4					
ANON GAL	EE231	15 35 21.0	+54 43 00	14.2			80	SWP	17140	L L O	60 00	82	157 23 56	V	/	201 GALAXY NEAR MKN4					

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MM	SEC	DEG	MIN	SEC							MIN	SEC	MIN	SEC	YR	DAY			
ANON GAL	EE231	15 35 21.0	+54 43 00	14.2							80 LWR	13433	L L D	180 00	82 158 01 00	V /	402 GALAXY NEAR MKN					
ANON GAL	EE231	15 35 21.0	+54 43 00	14.2							80 SWP	17141	L L D	100 00	82 158 04 05	V /	201 GALAXY NEAR MKN4					
MKN486	QSED7	15 35 21.5	+54 43 04	14.8							84 SWP	18581	L L D	400 00	82 321 21 07	G 82/322*	E=113,C=115,B=76					
HD	139431	GHEST	15 36 21.7	-42 36 20	7.36	EO.20	B5	V			21 SWP	17293	H L D	035 00	82 176 14 47	G 82/180	C=195,B=40					
HD	139431	GHEST	15 36 21.7	-42 36 20	7.36	EO.20	B5	V			21 LWR	13555	H L D	020 00	82 176 15 27	G 82/180	C=200,B=34					
HD	139431	GHEST	15 36 21.7	-42 36 20	7.36	EO.20	B5	V			21 SWP	17294	H L D	050 00	82 176 18 42	G 82/180	C=1.2X,B=58					
HD	139892	IBEGM	15 37 29.5	+36 47 48	5.07		B7	V			22 SWP	19089	L L D	004 30	83 026 23 14	G 83/027*	B=30					
PG	1539+292	CVEJL	15 39 21.6	+29 11 03	14.6		A				54 SWP	17352	L L D	060 00	82 185 07 59	G 82/187	C=140,B=18					
PG	1539+292	CVEJL	15 39 21.6	+29 11 03	14.6		A				54 LWR	13600	L L D	040 00	82 185 09 03	G 82/187	C=110,B=32					
	LSE125	HSEJD	15 39 44.3	-39 10 23	12.5		04	SD			16 SWP	18087	L L D	004 00	82 267 02 16	G 82/267	C=150,B=20					
	LSE125	HSEJD	15 39 44.3	-39 10 23	12.5		04	SD			16 LWR	14243	L L D	006 00	82 267 02 26	G 82/267	C=140,B=25					
MK	691	EJH	15 44 43.2	+18 02 22	13.8						88 SWP	19219	L L D	270 00	83 038 14 39	G 83/040*	C=112,B=63					
MK	691	EJH	15 44 43.2	+18 02 22	13.8						88 LWR	15208	L L D	150 00	83 038 19 16	G 83/040*	C=170,B=81					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 LWR	14019	H L D	103 00	82 239 04 50	G 82/239	C=240,B=44					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 SWP	17782	L L D	075 00	82 239 08 04	G 82/239	C=205,B=54					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 LWR	14053	H L D	143 00	82 242 06 22	G 82/244	C=1.1X,B=58					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 SWP	18016	L L D	110 00	82 262 04 44	G 82/264	E=50,C=240,B=40					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 LWR	14211	L L D	018 30	82 262 07 21	G 82/264	C=6X,B=25					
R CRB	HEEAH	15 46 30.6	+28 18 31	5.8			F8	IB			52 LWR	14380	L L D	001 46	82 284 05 59	G 82/285	C=175,B=21					
R CRB	HEEAH	15 46 30.6	+28 18 31	6.2			F8	IB			52 SWP	18269	L L D	060 00	82 286 12 37	G 82/287*	C=220,B=42					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	13989	L T D	004 00	82 233 02 40	G 82/235	C=165,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 SWP	17727	L L D	020 00	82 233 03 01	G 82/235	E=41,C=120,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	13991	H L D	080 00	82 233 05 23	G 82/235	C=30X,B=30					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 SWP	17728	L L D	066 00	82 233 08 16	G 82/235	E=34,C=1.5X,B=27					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	13993	L L D	001 00	82 233 08 50	G 82/235	C=150,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	13994	L L D	010 00	82 233 09 35	G 82/235	C=10X,B=26					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14017	L L D	001 00	82 239 02 25	G 82/239	C=130,B=21					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14017	L S D	002 12	82 239 02 32	G 82/239	C=140,B=21					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 SWP	17781	L L D	020 00	82 239 02 39	G 82/239	C=80,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14021	L L D	017 00	82 239 08 39	G 82/239	C=10X,B=32					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14050	L L D	002 13	82 242 02 30	G 82/244	C=200,B=21					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14050	L S D	004 30	82 242 02 42	G 82/244	C=190,B=21					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 SWP	17806	L L D	080 00	82 242 02 54	G 82/244	E=40,C=165,B=22					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14051	L L D	014 00	82 242 03 50	G 82/244	C=6X,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14208	L L D	002 44	82 262 00 20	G 82/264	C=180,B=25					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14209	H L D	115 00	82 262 01 10	G 82/264	C=195,B=45					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14251	L L D	002 25	82 267 23 59	G 82/270	C=205,B=22					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14252	H L D	120 00	82 268 00 46	G 82/270	C=225,B=50					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 SWP	18100	L L D	113 00	82 268 04 32	G 82/270	E=80,C=2.5X,B=42					
R CRB	HEEAH	15 46 30.7	+28 18 32	5.8			F8	IB			52 LWR	14254	L L D	014 18	82 268 06 59	G 82/270	C=6X,B=35					

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MM	SEC	DEG	MM	SC							MIN	SE	YR	DAY	HR	MM			
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 18101	L L 0 020 00	82 268 07 26	G 82/270	C=130,B=70												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14312	L L 0 001 55	82 274 22 24	G 82/277	C=180,B=27												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14312	L S 0 005 00	82 274 22 41	G 82/277	C=215,B=23												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 18175	L L 0 023 00	82 274 23 04	G 82/277	C=110,B=27												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14314	H L 0 115 00	82 275 01 10	G 82/277*	C=1.1X,B=42												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 18176	L L 0 100 00	82 275 04 45	G 82/277	C=2X,B=35												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14316	L L 0 012 27	82 275 05 18	G 82/277	C=6X,B=25												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14352	L L 0 001 36	82 281 16 10	G 82/285	C=207,B=25												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 18243	L L 0 025 00	82 281 16 21	G 82/285	C=100,B=25												
R CRB HEEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14353	L L 0 009 36	82 281 16 53	G 82/285	C=5X,B=25												
R CRB HEEAH	15 46 30.7	+28 18 32	6.2	F8	IB	52 LWR 14398	L L 0 001 30	82 286 11 16	G 82/287*	C=185,B=28												
R CRB HEEAH	15 46 30.7	+28 18 32	6.2	F8	IB	52 LWR 14398	L S 0 004 00	82 286 11 23	G 82/287*	C=200,B=28												
R CRB HEEAH	15 46 30.7	+28 18 32	6.2	F8	IB	52 SWP 18268	L L 0 030 00	82 286 11 33	G 82/287*	C=140,B=48												
R CRB HEEAH	15 46 30.7	+28 18 32	6.2	F8	IB	52 LWR 14399	L L 0 007 48	82 286 12 09	G 82/287*	C=5X,B=25												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14079	L L 0 002 27	82 246 00 53	G 82/246	C=165,B=28												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14079	L S 0 004 54	82 246 01 05	G 82/246	C=100,B=28												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 17843	L L 0 120 00	82 246 01 16	G 82/246	E=45,C=200,B=33												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14080	L L 0 020 00	82 246 02 21	G 82/246	C=5X,B=30												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14082	H L 0 137 00	82 246 05 28	G 82/246	C=220,B=45												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14118	L L 0 003 00	82 251 00 35	G 82/251	C=185,B=26												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14118	L S 0 006 00	82 251 00 45	G 82/251	C=160,B=26												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 17875	L L 0 172 00	82 251 00 57	G 82/251	E=60,C=1.1X,B=42												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14119	L L 0 020 00	82 251 02 02	G 82/251	C=5-10X,B=25												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14120	H L 0 123 00	82 251 04 29	G 82/251	C=220,B=72												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14171	L L 0 003 12	82 256 23 53	G 82/258	C=175,B=18												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14172	H L 0 120 00	82 257 00 52	G 82/258	C=185,B=42												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 SWP 17949	L L 0 130 00	82 257 04 25	G 82/259	NO COMMENTS												
R CRB RCEAH	15 46 30.7	+28 18 32	5.8	F8	IB	52 LWR 14174	L L 0 023 18	82 257 07 24	G 82/258	C=7X,B=33												
HD 141527	EC228	15 46 31.0	+28 19 00	5.8		52 LWR 13257	L L 0 2 00	82 138 00 29	V /	552 4-MIN-HTR-WM-UP												
SP 1	NPEJK	15 47 23.0	-51 21 06	0.0	0	SD 70 SWP 18263	L L 0 150 00	82 286 00 38	G 82/287	E=124,C=120,B=36												
SP 1	NPEJK	15 47 56.7	-51 22 23	0.0	0	SD 70 SWP 17732	L L 0 060 00	82 233 16 03	G 82/235	C=85,B=50												
HD 141637	MLEPB	15 47 57.9	-25 36 03	4.6	B1	V 20 SWP 19349	H L 0 001 05	83 059 03 32	G 83/061*	C=145,B=32												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWP 1525	L L 0 3 00	82 110 03 15	V /	503												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWP 1526	L L 0 4 00	82 110 03 46	V /	603												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWR 13370	L L 0 3 10	82 152 04 53	V /	503												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWR 13370	L S 0 9 30	82 152 05 00	V /	503												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 SWP 17086	L S 0 12 00	82 152 05 15	V /	500												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 SWP 17086	L L 0 4 00	82 152 05 31	V /	400												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWR 13463	L L 0 3 10	82 160 23 17	V /	502												
+33 2642	PHCAL	15 50 01.0	+33 05 00	10.8		20 LWR 13463	L S 0 9 30	82 160 23 24	V /	402												

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D S	A P	L R	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG										MN	SC	YR			
	+33 2642	PHCAL	15 50	01.0	+33 05 00	10.8			20	SWP	17179	L	L	0	4 00	82 160 23 51	V	/	500	
	+33 2642	PHCAL	15 50	01.0	+33 05 00	10.8			20	SWP	17179	L	S	0	12 00	82 160 23 58	V	/	500	
BD	+33 2642	PHCAL	15 50	01.8	+33 05 27	10.8	EO.07	B2	IV	20	LWP	1662	L	L	0 003	10 82 256 14 43	G	82/258	C=240,B=35	
BD	+33 2642	PHCAL	15 50	01.8	+33 05 27	10.8	EO.07	B2	IV	20	SWP	18378	L	L	0 004 00	82 297 05 19	G	82/297*	C=178,B=18	
BD	+33 2642	BPEJU	15 50	01.9	+33 05 28	10.8		B2	IV	27	LWR	15018	H	L	0 160 00	83 008 16 47	G	83/009*	C=170,B=46	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	12977	L	L	0 003 10	82 097 18 14	G	82/098	C=195,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	16713	L	L	0 004 00	82 097 18 21	G	82/098	C=185,B=35	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1545	H	L	0 002 40	82 129 21 39	G	82/132	B=39	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1546	L	L	0 002 40	82 129 23 37	G	82/132	C=195,B=35	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	16963	L	L	0 004 00	82 134 21 42	G	82/137	C=165,B=23	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	13248	L	L	0 003 10	82 134 21 49	G	82/137	C=160,B=30	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1551	L	L	0 003 10	82 134 22 39	G	82/137	C=200,B=37	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1608	L	L	0 003 10	82 188 19 10	G	82/190	C=210,B=35	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	17376	L	L	0 001 20	82 188 19 19	G	82/190	C=175,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	13766	L	L	0 003 10	82 205 18 02	G	82/211	C=180,B=28	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	17479	L	L	0 004 00	82 205 18 12	G	82/211	C=160,B=16	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	14168	L	L	0 003 10	82 256 13 32	G	82/258	C=200,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	17946	L	L	0 004 00	82 256 14 34	G	82/258	C=200,B=18	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	14473	L	L	0 003 10	82 297 05 28	G	82/297*	C=163,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1702	L	L	0 003 10	82 302 09 13	G	82/305*	C=210,B=35	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1716	L	L	0 003 10	82 315 11 31	G	82/316*	C=205,B=33	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1734	L	L	0 003 10	82 329 10 35	G	82/335*	C=215,B=35	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	18656	L	L	0 004 00	82 329 10 44	G	82/335*	C=180,B=20	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	14718	L	L	0 003 10	82 329 11 36	G	82/335*	C=170,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	15073	L	L	0 003 10	83 019 02 55	G	83/019*	C=180,B=30	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	19034	L	L	0 004 00	83 019 05 04	G	83/019*	C=180,B=28	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1770	L	L	0 003 10	83 019 05 12	G	83/019*	C=235,B=45	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1784	L	L	0 003 10	83 027 07 20	G	83/027*	C=210,B=33	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	15219	L	L	0 003 10	83 040 04 36	G	83/045*	C=180,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	19229	L	L	0 004 00	83 040 04 46	G	83/045*	C=170,B=25	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWP	1819	L	L	0 003 10	83 065 00 38	G	83/066*	C=220,B=32	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	SWP	19400	L	L	0 004 00	83 065 00 47	G	83/066*	C=170,B=16	
BD	+33 2642	PHCAL	15 50	01.9	+33 05 28	10.8	EO.07	B2	IV	20	LWR	15445	L	L	0 003 10	83 067 00 54	G	83/081*	C=190,B=22	
	1550+191	EE218	15 50	33.0	+19 05 00	15.4			63	LWR	13503	L	L	0 120 00	82 167 22 26	V	/	343	4-MIN-HTR-WM-UP	
	1550+191	EE218	15 50	33.0	+19 05 00	15.4			63	SWP	17238	L	L	0 90 00	82 168 00 32	V	/	331		
	1550+191	EI215	15 50	33.0	+19 05 00	15.2			63	SWP	17677	L	L	0 120 00	82 225 20 11	V	/	* 331		
	1550+191	EI215	15 50	33.0	+19 05 00	15.2			63	SWP	17714	L	L	0 256 00	82 228 21 31	V	/	* 342		
PG	1553+11	BLEHM	15 53	20.8	+11 20 03	15.0			87	SWP	18148	L	L	0 144 00	82 272 04 52	G	82/272	C=125,B=85		
PG	1553+11	BLEHM	15 53	20.9	+11 20 04	15.0			87	LWR	14289	L	L	0 240 00	82 272 00 46	G	82/272	C=190,B=59		
	HD142983	EA166	15 55	23.0	-14 08 00	4.8			24	LWR	14075	H	S	C 6 30	82 245 16 04	V	/	* 513	4-MIN-HTR	



OBJECT ID	PROG ID	TARGET			VIS MAG	B-V DR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE YR	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC								RA DEG	DEC MN	SC			
HD 142983	EA166	15 55	23.0	-14 08 00	4.8			24 SWP 17839	H S C	4 30	82 245 17 12	V	/	*	410		
HD 142983	MLERH	15 55	23.1	-14 08 12	4.9	B5	III	60 SWP 18151	H S O	003 00	82 272 11 47	G	82/273		C=140,B=30		
HD 142983	MLERH	15 55	23.1	-14 08 12	4.9	B5	III	60 LWR 14292	H S O	002 30	82 272 11 55	G	82/273		C=140,B=30		
HD 142983	MLERH	15 55	23.1	-14 08 12	4.9	B5	III	60 SWP 18152	H S O	004 30	82 272 12 51	G	82/273		C=185,B=34		
HD 142983	MLERH	15 55	23.1	-14 08 12	4.9	B5	III	60 LWR 14293	H S O	004 00	82 272 13 01	G	82/273		E=115,C=180,B=32		
HD 143018	IGEJS	15 55	49.3	-25 58 18	2.9	B1	V	20 SWP 17382	H L O	000 11	82 189 13 49	G	82/190		C=220,B=35		
HD 143018	IGEJS	15 55	49.3	-25 58 18	2.9	B1	V	20 LWR 13630	H L O	000 10	82 189 14 21	G	82/190		C=200,B=32		
HD 143018	IGEJS	15 55	49.3	-25 58 18	2.9	B1	V	20 LWR 13631	H L O	000 10	82 189 15 10	G	82/190		C=205,B=32		
HD 143018	IGEJS	15 55	49.3	-25 58 18	2.9	B1	V	20 SWP 17383	H L O	000 11	82 189 16 14	G	82/190		C=220,B=35		
RY LUP	EM147	15 56	05.0	-40 14 00	11.5			58 SWP 16899	L L O	403 00	82 126 01 04	V	/		233		
MKN 492	EE251	15 56	39.0	+26 57 00	15.0			88 SWP 18816	L L O	429 00	82 352 10 38	V	/	*	103		
OETA LUP	IGELH	15 56	47.9	-38 15 19	3.4	B2	V	21 LWR 13126	H T O	000 40	82 121 16 41	G	82/123		C=250,B=53		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13129	H T O	000 50	82 121 20 28	G	82/123		C=2.5X,B=70		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13131	H T O	001 06	82 121 22 04	G	82/123		C=5X,B=100		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13139	H T O	001 07	82 122 17 45	G	82/123		C=3X,B=85		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13142	H T O	001 20	82 122 20 01	G	82/123		C=3X,B=93		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13144	H T O	001 20	82 122 21 31	G	82/124		C=3X,B=98		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13152	H T O	001 20	82 123 17 56	G	82/124		C=5X,B=54		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13155	H T O	001 20	82 123 20 52	G	82/124		C=5X,B=65		
OETA LUP	IGELH	15 56	48.0	-38 15 20	3.4	B2	V	20 LWR 13158	H T O	001 30	82 123 23 33	G	82/124		C=5X,B=60		
HD 143275	IGEJS	15 57	22.3	-22 28 51	2.3	B0	IV	20 SWP 17395	H L O	000 06	82 191 17 03	G	82/193		C=185,B=32		
HD 143275	IGEJS	15 57	22.3	-22 28 51	2.3	B0	IV	20 LWR 13651	H L O	000 07	82 191 17 07	G	82/193		C=235,B=32		
T CR B	EC175	15 57	24.0	+26 04 00	10.0			57 SWP 17104	L L O	55 00	82 154 03 05	V	/		451		
T CR B	EC175	15 57	24.0	+26 04 00	10.0			57 LWR 13392	L L O	40 00	82 154 04 04	V	/		561		
HD 143454	PHCAL	15 57	25.0	+26 04 00	9.8			57 LWR 1536	H L O	307 00	82 120 03 18	V	/		365		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.41	G2	V	44 LWR 14018	H L O	040 00	82 239 03 34	G	82/239		E=91,C=255,B=35		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.41	G2	V	44 LWR 14020	H L O	040 00	82 239 07 11	G	82/239		E=97,C=255,B=36		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.41	G2	V	44 LWR 14054	H L O	025 00	82 242 09 21	G	82/244		E=72,C=185,B=33		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.4	G2	V	44 LWR 14081	H L O	040 00	82 246 04 07	G	82/246		E=80,C=1.1X,B=32		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.4	G2	V	44 LWR 14173	H L O	030 00	82 257 03 42	G	82/257		E=80,C=225,B=33		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.4	G2	V	44 LWR 14210	H L O	030 00	82 262 04 04	G	82/264		E=78,C=210,B=30		
HD 143761	HEEAH	15 59	07.2	+33 26 46	5.4	G2	V	44 LWR 14313	H L O	030 00	82 274 23 45	G	82/277*		E=78,C=225,B=33		
HD 143761	HEEAH	15 59	07.3	+33 26 47	5.41	G2	V	44 LWR 14052	H L O	040 00	82 242 04 59	G	82/244		E=95,C=255,B=37		
HD 143761	HEEAH	15 59	07.7	+33 27 11	5.41	G2	V	44 LWR 13990	H L O	040 00	82 233 04 00	G	82/235		E=87,C=30X,B=30		
HD 143761	HEEAH	15 59	07.7	+33 27 11	5.41	G2	V	44 LWR 13992	H L O	040 00	82 233 07 26	G	82/235		E=99,C=30X,B=30		
HD 143761	HEEAH	15 59	07.8	+33 26 47	5.4	G2	V	44 LWR 14253	H L O	035 00	82 268 03 41	G	82/270		C=220,B=35		
HD 143761	HEEAH	15 59	07.8	+33 27 12	5.4	G2	V	44 LWR 14315	H L O	040 00	82 275 03 51	G	82/277*		E=94,C=1.5X,B=33		
HD 143414	EM264	15 59	23.0	-62 33 00	10.2			11 SWP 16976	H L O	400 00	82 137 01 03	V	/		463		
EX LUP	EC271	15 59	42.0	-40 10 00	13.5			58 LWR 14049	L L O	30 00	82 241 22 16	V	/	*	232 4-MIN-HTR-WM-UP		
EX LUP	EC271	15 59	42.0	-40 10 00	13.5			58 SWP 17805	L L O	175 00	82 241 22 51	V	/	*	231		

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS		
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR				DAY	HR
AG DRA	EC175	16	01	24.0	+66 57 00	9.9			57	SWP 17105	L L O	10	00	82	154	05	10	V /	461		
AG DRA	EC175	16	01	24.0	+66 57 00	9.9			57	LWR 13393	L L O	5	00	82	154	05	39	V /	501 MN=289		
AG DRA	EI145	16	01	24.0	+66 57 00	99.9			57	LWR 13860	L L O	6	00	82	216	22	32	V /	* 571 MN=221		
AG DRA	EI145	16	01	24.0	+66 57 00	99.9			57	SWP 17589	L L O	13	00	82	216	22	41	V /	* 571		
AG DRA	EI145	16	01	24.0	+66 57 00	99.9			57	SWP 17589	L S O	3	00	82	216	22	57	V /	* 251		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13127	H T O	002	13	82	121	17	36	G 82/123	C=7X,B=140		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13128	H T O	000	29	82	121	19	33	G 82/123	C=2X,B=58		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13130	H T O	000	50	82	121	21	15	G 82/123	C=5X,B=90		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13132	H T O	000	50	82	121	22	50	G 82/123	C=5X,B=80		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13141	H T O	000	48	82	122	19	16	G 82/123	C=3X,B=85		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13143	H T O	000	53	82	122	20	46	G 82/124	C=5X,B=95		
BET1 SCO	IGELH	16	02	31.5	-19 40 12	2.6		B1 V	20	LWR 13151	H T O	000	53	82	123	17	04	G 82/124	C=5X,B=60		
HD	144294	MLEPB	16	03	18.1	-36 40 05	4.2		B2 V	20	SWP 19347	H L O	000	45	83	059	02	05	G 83/060*	C=180,B=35	
HD144668	EAO69	16	05	13.0	-38 58 00	7.6			33	SWP 17780	L L O	30	00	82	238	23	28	V /	* 731		
HD144668	EAO69	16	05	13.0	-38 58 00	7.6			33	LWR 14016	H L O	100	00	82	239	00	01	V /	* 454 4-MIN-HTR-WM-UP		
HD144812	EA173	16	06	19.0	-48 27 00	8.5			26	LWR 13845	L L O	15	00	82	214	18	42	V /	* 401 MN=312		
HD144812	EA173	16	06	19.0	-48 27 00	8.5			26	SWP 17566	L L O	180	00	82	214	19	06	V /	* 402		
HD144812	EA173	16	06	19.0	-48 27 00	8.5			26	LWR 13846	L L O	40	00	82	214	22	09	V /	* 552 4-MIN-HTR-WM-UP		
HD	145482	MLEPB	16	09	13.1	-27 47 54	4.6		B2 V	20	SWP 19351	H L O	000	55	83	059	04	39	G 83/061*	C=165,B=33	
IC	4593	EAO08	16	09	23.0	+12 12 00	11.2		10	SWP 17948	H L O	253	00	82	256	19	03	V /	* 503		
X	1609-189	PMEJL	16	09	44.4	-18 51 39	10.0		KO	V	46	LWR 14376	L L O	060	00	82	283	12	47	G 82/286*	E=116,C=80,B=35
MK	496	EGEJH	16	10	24.0	+52 35 00	14.4		88	SWP 17305	L L O	350	00	82	179	07	00	G 82/183	C=150,B=105		
HD	145544	CSELH	16	10	52.1	-63 33 37	3.8		G2	II	45	LWR 13333	H L O	020	00	82	148	20	38	G 82/152	E=195,C=165,B=65
HD	145544	CSELH	16	10	52.1	-63 33 37	3.8		G2	II	45	LWR 13983	H L O	060	00	82	231	11	49	G 82/231	E=2X,C=1.2X,B=50
HD146361	EC206	16	12	48.0	+33 59 00	5.7			41	LWR 13607	H L O	40	00	82	186	00	36	V /	* 552		
PG	1612+736	CVEJL	16	12	53.9	+73 35 28	14.5		A		54	LWR 13602	L L O	040	00	82	185	13	33	G 82/187	C=180,B=100
PG	1612+736	CVEJL	16	12	53.9	+73 35 28	14.5		A		54	SWP 17355	L L O	030	00	82	185	14	18	G 82/187	B=125
PG	1612+736	CVEJL	16	12	53.9	+73 35 28	14.5		A		54	LWR 13603	L L O	040	00	82	185	14	52	G 82/187	B=105
Q	1613+472	QSEWS	16	13	05.2	+47 11 47	16.4		85	LWR 14753	L L O	410	00	82	333	20	43	G 82/335*	E=126,C=107,B=65		
NGC	6093	GHEST	16	14	06.0	-22 52	14.4		F7		83	LWP 1591	L L O	015	00	82	178	13	44	G 82/181	C=100,B=58
HD144668	EAO69	16	15	13.0	-38 58 00	7.6			33	SWP 17789	L L O	30	00	82	239	22	37	V /	* 731		
HD144668	EAO69	16	15	13.0	-38 58 00	7.6			33	LWR 14026	H L O	100	00	82	239	23	12	V /	* 454 4-MIN-HTR-WM-UP		
HD144668	EAO69	16	15	13.0	-38 58 00	7.6			33	SWP 17790	L L O	12	00	82	240	00	55	V /	* 510		
HD144668	EAO69	16	15	13.0	-38 58 00	7.6			33	LWR 14027	L L O	8	00	82	240	01	31	V /	* 7724-MIN-HTR-WM-UP,M		
X SER	CVEHB	16	16	41.4	-02 22 20	15.0			63	SWP 17002	L L O	090	00	82	140	13	58	G 82/141	B=65		
HD147394	STAND	16	18	14.0	+46 26 00	3.9			21	SWP 18886	L L O	3	82	359	13	35	V /	* 500 TR 6.07"/SEC			
HD147394	STAND	16	18	14.0	+46 26 00	3.9			21	LWR 14905	L L O	2	82	359	13	41	V /	* 502 TR 10.08"/SEC			
HD	147152	MLEPB	16	18	43.2	-49 27 18	5.5		B6	IV	22	SWP 19346	H L O	006	15	83	059	01	21	G 83/060*	C=200,B=50
PG	1620-391	WDECB	16	20	10.4	-39 06 50	0.0		05	WD	37	LWR 14409	L L O	004	00	82	288	08	54	G 82/288*	C=220,B=26
PG	1620-391	WDECB	16	20	12.0	-39 06 50	0.0		05	WD	37	SWP 18290	H L O	120	00	82	288	06	48	G 82/288*	C=175,B=45

OBJECT ID	PROG ID	TARGET			TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L			EXPOSE		OBSERVATION			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG	MN						SC	S	P	A	P	MIN	SE	YR				DAY	HR	MN	
PG	1620-391	WDECB	16	20	12.0	-39	07	0.0	05	WD	37	SWP	18291	L	L	0	002	00	82	288	09	29	G 82/288*	C=215,B=17		
NGC	2100	B1	IEETS	16	22	24.1	-23	20	48	6.7	B3	V	21	LWR	13772	L	T	0	003	42	82	206	16	08	G 82/208	C=3X,B=85
NGC	2100	B1	IEETS	16	22	24.1	-23	20	48	6.7	B3	V	21	LWR	13772	L	S	0	000	40	82	206	16	22	G 82/208	C=255,B=72
HD	147888	IEETS	16	22	24.1	-23	20	48	6.7	B3	V	21	SWP	17486	L	T	0	002	28	82	206	16	27	G 82/208	C=2X,B=100	
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13133	H	T	0	001	40	82	121	23	37	G 82/123	C=40,B=35
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13138	H	M	0	012	00	82	122	16	53	G 82/123	C=255,B=80
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13146	H	M	0	027	00	82	122	23	01	G 82/124	C=3-5X,B=110
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13153	H	M	0	021	00	82	123	18	44	G 82/124	C=5X,B=54
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13156	H	M	0	019	30	82	123	21	44	G 82/124	C=5X,B=82
	RHOA	OPH	IGELH	16	22	34.9	-23	19	58	4.6	B2	IV	20	LWR	13157	H	M	0	021	00	82	123	22	33	G 82/124	C=5X,B=75
	ABELL 39	NPEJK	16	25	32.2	+28	01	12	0.0	0	SD	70	SWP	17237	L	L	0	040	00	82	167	20	55	G 82/168	C=140,B=35	
	A 39	EA137	16	25	33.0	+28	01	00	15.6			70	SWP	16937	L	L	0	70	00	82	129	06	35	V /	500	
HR	6102	CCETA	16	25	42.7	-78	47	19	3.9	KO	IV	46	LWR	12954	H	L	0	200	00	82	095	14	04	G 82/096	E=3X,C=5X,B=95	
HR	6102	CCETA	16	25	42.7	-78	47	20	3.9	KO	IV	46	LWR	12958	H	L	0	030	00	82	095	21	22	G 82/096	E=255,C=1.2X,B=70	
HR	6102	CCETA	16	25	42.7	-78	47	20	3.9	KO	IV	46	LWR	13231	H	L	0	095	00	82	131	22	09	G 82/132	E=2-3X,C=2-3X,B=70	
HD	147675	HCETA	16	25	42.7	-78	47	19	3.88	EO.91	KO	IV	39	SWP	17366	L	L	0	010	00	82	187	11	32	G 82/188	E=53,C=42,B=25
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	17954	L	L	0	002	12	82	257	12	05	G 82/258	C=1.5X,B=16	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	LWR	14175	L	L	0	000	22	82	257	12	11	G 82/258	C=2X,B=22	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	18041	L	L	0	001	20	82	263	15	28	G 82/264	C=220,B=19	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	LWR	14275	L	L	0	000	14	82	270	15	36	G 82/272	C=1.5X,B=25	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	18133	L	L	0	001	15	82	270	15	39	G 82/272	C=220,B=20	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	18212	L	L	0	001	15	82	278	13	36	G 82/278	C=200,B=17	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	LWR	14403	L	L	0	000	11	82	287	10	54	G 82/287*	C=215,B=21	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	18279	L	L	0	001	15	82	287	10	58	G 82/287*	C=215,B=17	
HD	148379	SGEAU	16	26	04.4	-46	08	04	5.4	B2	IA	23	SWP	18352	L	L	0	001	15	82	294	13	31	G 82/294*	C=210,B=17	
HD	148478	EC116	16	26	19.0	-26	19	00	99.9			72	LWR	14271	H	S	0	20	00	82	269	20	42	V /	* 111 4-MIN-HTR	
HD	148478	EC116	16	26	19.0	-26	19	00	99.9			72	SWP	18121	H	S	0	60	00	82	269	21	11	V /	* 120	
HD	148478	EC116	16	26	19.0	-26	19	00	99.9			72	SWP	18122	H	S	0	8	30	82	269	22	41	V /	* 210	
HD	148478	EC116	16	26	20.0	-26	19	00	1.0			49	SWP	18110	H	L	0	4	00	82	268	22	12	V /	* 501	
HD	148478	EC116	16	26	20.0	-26	19	00	1.0			49	LWR	14263	H	L	0	3	30	82	268	22	41	V /	* 501 4-MIN-HTR	
HD	148478	EC116	16	26	20.0	-26	19	00	1.0			49	SWP	18111	H	L	0	20	00	82	268	22	56	V /	* 501 OFFSET 5.5 ARCSE	
HD	148743	STAND	16	27	48.0	-07	24	00	6.9			31	SWP	17409	L	L	0	6	00	82	193	00	36	V /	* 301	
HD	148743	STAND	16	27	48.0	-07	24	00	6.9			31	SWP	17410	L	L	0	15	00	82	193	01	19	V /	* 401	
HD	148743	STAND	16	27	48.0	-07	24	00	6.9			31	LWR	13660	L	L	0	8	20	82	193	01	56	V /	* 402 TRAIL, 2ITER, R=0.	
HD	149161	EC116	16	30	15.0	+11	35	00	4.8			47	LWR	14272	L	L	0	5	00	82	269	23	13	V /	* 332 MN=471	
HD	149038	IGEJS	16	30	31.3	-43	56	29	4.9	BO	IA	23	LWR	13632	H	L	0	002	00	82	189	16	54	G 82/190	C=220,B=35	
HD	149038	IGEJS	16	30	31.3	-43	56	29	4.9	BO	IA	23	SWP	17384	H	L	0	005	16	82	189	16	59	G 82/190	C=2X,B=55	
HD	149038	IGEJS	16	30	31.3	-43	56	29	4.9	BO	IA	23	LWR	13633	H	L	0	002	00	82	189	17	59	G 82/190	C=220,B=35	
HD	149038	IGEJS	16	30	31.3	-43	56	29	4.9	BO	IA	23	SWP	17396	H	L	0	002	30	82	191	18	11	G 82/193	C=185,B=35	
HD	149438	PHCAL	16	32	45.8	-28	06	50	2.8	EO.06	BO	V	20	SWP	17945	H	L	0	000	06	82	256	12	22	G 82/258	C=200,B=35

OBJECT ID	PROG ID	TARGET		TARGET DEC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME	OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	RA SEC									DEG MN SC	MIN SE	YR			
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	LWR	13767	H L 0	000 06 82	205 19 15	G	82/211	C=195,B=32	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	SWP	17480	H L 0	000 06 82	205 19 17	G	82/211	C=185,B=35	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	LWP	1617	H L 0	000 06 82	207 18 09	G	82/211	C=225,B=42	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	LWR	14167	H L 0	000 06 82	256 12 18	G	82/258	C=190,B=32	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	LWP	1796	H L 0	000 06 83	039 05 08	G	83/045*	C=225,B=41	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	LWR	15212	H L 0	000 06 83	039 05 56	G	83/045*	C=210,B=30	
HD	149438	PHCAL	16 32 45.9	-28 06 51	2.8	EO.06	BO V	20	SWP	19230	H L 0	000 06 83	040 05 26	G	83/045*	C=180,B=32	
CM	DRA	EC283	16 33 24.0	+57 15 00	12.8			66	LWR	14341	L L 0	120 00 82	278 15 03	V	/	* 134 4-MIN-HTR, MN=739	
CM	DRA	EC283	16 33 24.0	+57 15 00	12.8			66	SWP	18223	L L 0	120 00 82	279 14 48	V	/	* 101	
HD	149661	LDERN	16 33 43.5	-02 13 20	5.7		KO V	46	LWR	13311	H L 0	045 00 82	144 18 41	G	82/145	E=204,C=160,B=50	
HD	149661	LDERN	16 33 43.7	-02 13 10	5.7		KO V	46	SWP	16959	L L 0	380 00 82	134 08 35	G	82/134	E=206,C=143,B=80	
HD	149661	LDERN	16 33 43.7	-02 13 10	5.7		KO V	46	LWR	13242	H L 0	040 00 82	134 15 05	G	82/134	E=139,C=120,B=33	
HD	149661	LDERN	16 33 43.7	-02 13 20	5.7		KO V	46	LWR	13294	H L 0	045 00 82	142 16 22	G	82/144	E=168,C=130,B=42	
HD	149661	LDERN	16 33 43.7	-02 13 10	5.7		KO V	46	SWP	17058	L L 0	300 00 82	148 09 13	G	82/148	E=158,C=127,B=75	
HD	149661	LDERN	16 33 43.7	-02 13 10	5.7		KO V	46	LWR	13329	H L 0	040 00 82	148 14 19	G	82/148	E=150,C=130,B=50	
HD	149661	LDERN	16 33 44.6	-02 13 19	5.7		KO V	46	LWR	13348	H L 0	024 00 82	150 14 11	G	82/153	E=178,C=160,B=80	
HD	149499B	WDFB	16 34 19.0	-57 22 12	11.8		WD	37	SWP	17467	H L 0	075 00 82	204 10 25	G	82/204	C=170,B=90	
HD	149757	OD83B	16 34 23.9	-10 28 02	2.56	EO.32	09 IV	14	SWP	19256	H L 0	000 25 83	046 03 59	G	83/047*	C=230,B=39	
HD	149757	OD83B	16 34 23.9	-10 28 02	2.56	EO.32	09 IV	14	SWP	19430	H L 0	000 25 83	069 00 44	G	83/073*	C=235,B=40	
HD	149757	EA080	16 34 24.0	-10 28 00	2.6			12	SWP	17335	H L 0		23 82 182 21 58	V	/	* 501	
HD	149757	EA080	16 34 24.0	-10 28 00	2.6			12	SWP	17584	H L 0		23 82 216- 18 53	V	/	* 501	
HD	149757	EA080	16 34 24.0	-10 28 00	2.6			12	SWP	18081	H L 0		25 82 266 20 11	V	/	* 501	
HD	149757	EA087	16 34 24.0	-10 28 00	2.6			12	SWP	17936	H L 0		25 82 255 17 56	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			* 12	SWP	17858	H L 0		25 82 249 17 32	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			* 12	SWP	17899	H L 0		25 82 252 17 47	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			12	SWP	17966	H L 0		25 82 258 17 24	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			12	SWP	18012	H L 0		25 82 261 18 00	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			12	SWP	18052	H L 0		25 82 264 18 00	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			12	SWP	18135	H L 0		25 82 270 17 42	V	/	* 501	
HD	149757	EI273	16 34 24.0	-10 28 00	2.6			12	SWP	18163	H L 0		25 82 273 17 52	V	/	* 501	
HD	149757	OD83B	16 34 24.0	-10 28 02	2.6		09 V	12	LWR	14381	L T 0	000 01 82	284 09 50	G	82/286	C=255,B=25	
HD	149757	OD83B	16 34 24.0	-10 28 03	2.6		09 IV	14	SWP	19043	H L 0	000 25 83	020 04 51	G	83/020*	C=240,B=40	
OZET	OPH	IGELH	16 34 24.1	-10 28 03	2.6		09 V	12	LWR	13140	H T 0	001 20 82	122 18 29	G	82/123	C=5X,B=95	
OZET	OPH	IGELH	16 34 24.1	-10 28 03	2.6		09 V	12	LWR	13145	H T 0	001 20 82	122 22 17	G	82/124	C=3-5X,B=90	
OZET	OPH	IGELH	16 34 24.1	-10 28 03	2.6		09 V	12	LWR	13154	H T 0	001 20 82	123 19 58	G	82/124	C=5X,B=50	
HD	149757	MLECW	16 34 24.1	-10 28 03	2.6		09 V	12	SWP	17879	H L 0	000 25 82	251 13 35	G	82/252	C=245,B=50	
HD	149757	MLECW	16 34 24.1	-10 28 03	2.6		09 V	12	SWP	17918	H L 0	000 25 82	254 09 27	G	82/256	C=240,B=42	
HD	149757	MLECW	16 34 24.1	-10 28 03	2.6		09 V	12	SWP	17953	H L 0	000 25 82	257 11 34	G	82/258	C=245,B=33	
HD	149757	MLECW	16 34 24.1	-10 28 03	2.6		09 V	12	SWP	17976	H L 0	000 25 82	259 09 30	G	82/259	C=245,B=40	
HD	149757	MLECW	16 34 24.1	-10 28 03	2.6		09 V	12	SWP	18035	H L 0	000 25 82	263 10 23	G	82/264	C=245,B=40	

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L			EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MM	RA	SEC						DEG	MIN	SC	P	R	P	MIN	SE			
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18074	H L O	000	25 82	266 10 15	G 82/266	C=240,B=44					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18125	H L O	000	25 82	270 09 17	G 82/271	C=240,B=40					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18180	H L O	000	25 82	275 10 51	G 82/277	E=138,C=238,B=40					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18233	H L O	000	25 82	280 12 54	G 82/285	C=250,B=40					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18251	H L O	000	25 82	284 08 40	G 82/286	C=230,B=40					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18275	H L O	000	25 82	287 07 31	G 82/287*	C=240,B=40					
HD	149757	MLECW	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18317	H L O	000	25 82	291 07 43	G 82/291*	C=240,B=40					
HD	149757	OD83B	16 34	24.1	-10 28	03	2.6	09 V	12 SWP	18252	L T O	000	01 82	284 09 18	G 82/286	C=190,B=18					
HD	149822	BPEJJ	16 34	26.6	+15 35	54	6.3	B7	27 LWR	15023	H L O	021	00 83	009 05 05	G 83/010*	C=210,B=37					
HD	149822	BPEJJ	16 34	26.6	+15 35	54	6.3	B7	27 SWP	18973	H L O	048	00 83	009 05 33	G 83/009*	C=250,B=51					
HD	149822	BPEJJ	16 34	26.6	+15 35	54	6.3	B7	27 LWR	15024	H L O	023	00 83	009 06 27	G 83/009*	C=230,B=33					
HD	149822	BPEJJ	16 34	26.6	+15 35	54	6.3	B7	27 SWP	18974	H L O	045	00 83	009 06 55	G 83/009*	C=240,B=41					
HD	149730	IBEGM	16 35	34.7	-56 53	36	6.0	B9 V	27 SWP	17172	H L O	045	00 82	160 08 45	G 82/161	C=240,B=48					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13439	H L O	030	00 82	159 06 27	G 82/159	C=1.OX,B=41					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17148	H L O	055	00 82	159 07 01	G 82/159	C=2X,B=55					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13440	H L O	025	00 82	159 08 00	G 82/159	C=230,B=40					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17149	H L O	045	00 82	159 08 36	G 82/159	C=230,B=43					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13441	H L O	025	00 82	159 09 25	G 82/159	C=220,B=41					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17166	H L O	060	00 82	159 18 38	G 82/161	C=170,B=121					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13446	H L O	050	00 82	159 19 44	G 82/161	E=180,C=235,B=68					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17167	H L O	070	00 82	159 20 39	G 82/161	C=245,B=65					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13451	H L O	025	00 82	160 06 58	G 82/161	C=220,B=40					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17171	H L O	045	00 82	160 07 27	G 82/161	C=1X,B=48					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13452	H L O	025	00 82	160 08 16	G 82/161	C=215,B=41					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17185	H L O	040	00 82	161 18 39	G 82/162	C=1.2X,B=105					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13469	H L O	025	00 82	161 19 28	G 82/162	C=245,B=58					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17186	H L O	045	00 82	161 20 00	G 82/162	C=1.2X,B=72					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17187	H L O	035	00 82	161 21 13	G 82/162	C=195,B=45					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13471	H L O	025	00 82	162 07 01	G 82/162	C=195,B=33					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17188	H L O	045	00 82	162 07 32	G 82/162	C=185,B=40					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13472	H L O	030	00 82	162 08 21	G 82/162	C=200,B=40					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17189	H L O	055	00 82	162 08 57	G 82/162	C=210,B=45					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17194	H L O	035	00 82	162 18 44	G 82/165	C=1.2X,B=117					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13477	H L O	025	00 82	162 19 24	G 82/165	C=1.2X,B=73					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17195	H L O	030	00 82	162 19 55	G 82/165	C=210,B=67					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 LWR	13478	H L O	025	00 82	162 20 29	G 82/165	C=225,B=45					
HD	149730	IBEGM	16 35	34.8	-56 53	36	6.0	B9 V	27 SWP	17196	H L O	040	00 82	162 20 57	G 82/165	C=222,B=45					
HD	150168	RPSTD	16 37	52.6	-49 33	20	5.65	EO.16 B1 IA	23 LWR	15282	L T O	000	09 83	045 01 02	G 83/046*	C=200,B=27					
HD	150168	RPSTD	16 37	52.6	-49 33	20	5.65	EO.16 B1 IA	23 SWP	19246	L T O	000	17 83	045 01 10	G 83/046*	C=220,B=24					
NGC	6205	EPEJC	16 39	52.6	+36 33	11	10.4	F6	83 SWP	19069	L L O	030	00 83	023 17 06	G 83/024*	C=42,B=27					

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY			
NGC 6205	EPEJC	16 39 52.6	+36 33 11	10.4		F6	83 LWR 15097	L L O	120 00	83 023 17 42	G 83/024*	C=135, B=35								
NGC 6205	EPEJC	16 39 52.6	+36 33 11	10.4		F6	83 SWP 19070	L L O	150 00	83 023 19 48	G 83/024*	C=185, B=135								
NGC 6205	EPEJC	16 39 54.0	+36 33 12	10.4		F6	83 SWP 19419	L M O	100 00	83 067 15 36	G 83/076*	C=60, B=35								
NGC 6205	EPEJC	16 39 54.0	+36 33 12	10.4		F6	83 LWR 15448	L M O	060 00	83 067 17 29	G 83/090*	C=100, B=35								
164+399	BLEAG	16 41 17.2	+39 54 10	15.0			85 LWR 14447	L L O	100 00	82 293 04 09	G 82/293*	E=147, C=140, B=70								
164+399	BLEAG	16 41 17.6	+39 54 10	15.0			85 SWP 18333	L L O	075 00	82 293 02 51	G 82/293*	C=65, B=40								
AH HER	EIO94	16 42 06.0	+25 21 00	12.8			54 SWP 17644	L L O	40 00	82 221 21 31	V /	* 511								
AH HER	EIO94	16 42 06.0	+25 21 00	12.8			54 LWR 13908	L L O	40 00	82 221 22 15	V /	* 513 4-MIN-HTR-WM-UP								
AH HER	EIO94	16 42 06.0	+25 21 00	12.4			54 SWP 17653	L L O	25 00	82 222 22 36	V /	* 410								
AH HER	EIO94	16 42 06.0	+25 21 00	12.4			54 LWR 13918	L L O	25 00	82 222 23 05	V /	* 412 4-MIN-HTR-WM-UP								
AH HER	EI215	16 42 06.0	+25 21 00	12.2			54 SWP 17662	L L O	20 00	82 223 22 12	V /	* 421								
AH HER	EI215	16 42 06.0	+25 21 00	12.2			54 LWR 13923	L L O	20 00	82 223 22 38	V /	* 502 4-MIN-HTR-WM-UP								
AH HER	EI215	16 42 06.0	+25 21 00	12.3			54 SWP 17671	L L O	20 00	82 224 18 44	V /	* 521								
AH HER	EI215	16 42 06.0	+25 21 00	12.3			54 LWR 13929	L L O	20 00	82 224 19 09	V /	* 502 4-MIN-HTR-WM-UP								
AH HER	EI215	16 42 06.0	+25 21 00	12.4			54 LWR 13941	L L O	20 00	82 225 18 35	V /	* 503 4-MIN-HTR-WM-UP								
AH HER	EI215	16 42 06.0	+25 21 00	12.4			54 SWP 17676	L L O	22 00	82 225 18 59	V /	* 520								
AH HER	EI215	16 42 06.0	+25 21 00	11.0			54 SWP 17689	L L O	35 00	82 226 19 50	V /	* 500								
AH HER	EI215	16 42 06.0	+25 21 00	11.0			54 LWR 13951	L L O	35 00	82 226 20 28	V /	* 603 4-MIN-HTR-WM-UP								
AH HER	EI215	16 42 06.0	+25 21 00	12.0			54 SWP 17701	L L O	40 00	82 227 23 33	V /	* 500 MICROPHONICS								
NGC 6210	EAO08	16 42 24.0	+23 53 00	9.7			* 70 SWP 17925	L L O	6 00	82 254 17 00	V /	* 450								
NGC 6210	EAO08	16 42 24.0	+23 53 00	9.7			* 70 LWR 14149	H L O	364 00	82 254 17 09	V /	* 569 4-MIN-HTR, MN=75								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 LWR 13331	H L O	120 00	82 148 17 05	G 82/152	E=13X, C=5X, B=2X								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 SWP 17059	L L O	030 00	82 148 19 11	G 82/152	E=1.5X, C=220, B=153								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 LWR 13332	H L O	010 00	82 148 19 47	G 82/152	E=1.2X, C=120, B=51								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 LWR 13980	H L O	240 00	82 231 01 41	G 82/231	E=40X, B=10, B=70								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 LWR 13981	H L O	240 00	82 231 06 13	G 82/231	E=40X, C=10X, B=70								
HD 150798	CSELH	16 43 21.1	-68 56 20	1.9		K4 II	47 LWR 13982	H L O	010 00	82 231 10 51	G 82/231	E=1.1X, C=90, B=26								
HD 151613	OD82B	16 44 20.5	+56 52 13	4.90		F2 V	40 LWR 14946	H L O	012 00	82 363 09 38	G 82/363*	C=200, B=30								
HD 151613	OD82B	16 44 20.5	+56 52 13	4.90		F2 V	41 SWP 18915	L L O	020 00	82 365 07 41	G 83/006*	5X, B=35								
HD 151613	OD82B	16 44 20.5	+56 52 13	4.90		F2 V	41 SWP 18915	L S O	005 00	82 365 08 08	G 83/006*	C=255, B=35								
AS 209	TTELK	16 46 25.6	-14 18 21	11.5		K2 IV	58 LWR 14421	L L O	120 00	82 289 23 04	G 82/291*	E=4.2X, C=115, B=45								
AS 209	TTELK	16 46 25.6	-14 18 21	11.5		K2 IV	58 LWR 14421	L S O	030 00	82 290 01 15	G 82/291*	E=135, C=115, B=45								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 SWP 18298	L L O	003 00	82 289 01 12	G 82/291*	C=1.7X, B=22								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 SWP 18298	L S O	003 00	82 289 01 19	G 82/291*	C=200, B=22								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 LWR 14413	L L O	000 30	82 289 01 50	G 82/291*	C=200, B=27								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 SWP 18299	H L O	115 00	82 289 02 07	G 82/291*	C=210, B=50								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 LWR 14414	L L O	000 40	82 289 04 06	G 82/291*	C=210, B=25								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 SWP 18300	L S O	003 30	82 289 04 46	G 82/291*	C=180, B=25								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 SWP 18300	L L O	007 00	82 289 04 53	G 82/291*	C=3X, B=25								
HD 151676	CBEJS	16 46 36.2	-15 34 55	6.1		A7 V	31 LWR 14416	H L O	008 00	82 289 08 35	G 82/291*	C=210, B=55								

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS	
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR				DAY
HD	151676	CBEJS	16 46	36.2	-15 34	55	6.1	A7	V	31	SWP	18302	L S 0	018	00	82 289	09 18	G 82/291*	C=3X,B=73	
HD	151676	CBEJS	16 46	36.2	-15 34	55	6.1	A7	V	31	SWP	18302	L L 0	001	30	82 289	09 40	G 82/291*	C=210,B=73	
HD	151676	CBEJS	16 46	36.2	-15 34	55	6.1	A7	V	31	SWP	18303	L L 0	002	00	82 289	12 25	G 82/291*	C=100,B=19	
HD	151676	CBEJS	16 46	36.2	-15 34	55	6.1	A7	V	31	LWR	14418	H L 0	040	00	82 289	12 35	G 82/291*	C=190,B=45	
HD	151676	CBEJS	16 46	36.2	-15 34	55	6.1	A7	V	31	SWP	18304	L L 0	003	00	82 289	13 19	G 82/291*	C=203,B=19	
HD	151680	CCEJL	16 46	55.0	-34 12	15	2.3	K2	IV	46	LWR	14186	H L 0	200	00	82 259	00 03	G 82/259	E=8X,C=8X,B=75	
HD	151680	CCEJL	16 46	55.0	-34 12	15	2.3	K2	IV	46	SWP	17972	L L 0	085	00	82 259	03 29	G 82/259	E=101,C=79,B=35	
	G 226-29	FBEAH	16 47	37.9	+59 08	41	12.2 *	A	WD	37	LWR	14458	L L 0	040	00	82 294	22 51	G 82/295*	C=180,B=33	
	G 226-29	FBEAH	16 47	37.9	+59 08	41	12.2 *	A	WD	37	SWP	18357	L L 0	045	00	82 294	23 35	G 82/295*	C=185,B=25	
HD	326364	IEEBS	16 48	59.9	-42 07	30	9.62	EO.62	BO	IV	20	SWP	17133	L L 0	007	20	82 156	19 49	G 82/159	C=218,B=93
HD	326364	IEEBS	16 48	59.9	-42 07	30	9.62	EO.62	BO	IV	20	LWR	13423	L L 0	004	50	82 156	20 20	G 82/159	C=225,B=38
HD	326364	IEEBS	16 48	59.9	-42 07	30	9.6		BO	IV	20	LWR	14129	L L 0	006	00	82 252	08 56	G 82/252	C=1.5X,B=25
HD	326364	IEEBS	16 49	00.0	-42 07	30	9.6		BO	IV	20	SWP	17892	L L 0	007	30	82 252	08 42	G 82/252	C=170,B=17
	LSE259	HSEJD	16 49	48.1	-55 57	12	12.4	04	SD	16	LWR	14244	L L 0	007	00	82 267	07 23	G 82/267	C=140,B=29	
	LSE259	HSEJD	16 49	48.1	-55 57	12	12.4	04	SD	16	SWP	18089	L L 0	003	30	82 267	07 37	G 82/267	E=83,C=85,B=30	
HD	152391	LDERN	16 50	25.8	+00 03	43	6.8	G8	V	44	LWR	13312	H L 0	060	00	82 144	20 03	G 82/145	E=191,C=150,B=58	
HD	152391	LDERN	16 50	25.9	+00 03	43	6.8	G8	V	44	LWR	13255	H L 0	120	00	82 137	17 22	G 82/138	E=255,C=220,B=80	
HD	152391	LDERN	16 50	27.4	+00 03	43	6.8	G8	V	44	LWR	13295	H L 0	090	00	82 142	17 37	G 82/144	E=237,C=180,B=80	
HD	152234	IEEBS	16 50	31.0	-41 43	31	5.4	B1	IB	23	LWR	13418	L L 0	000	04	82 156	15 04	G 82/158	C=200,B=25	
BD	-41 7719	IEEBS	16 50	33.0	-41 45	10	9.5	B1	V	20	SWP	19396	H L 0	310	00	83 064	11 37	G 83/066*	C=230,B=85	
BD	-41 7724	IEEBS	16 50	34.9	-41 44	29	9.5	B1	V	20	SWP	17897	L L 0	005	00	82 252	15 37	G 82/252	C=220,B=17	
BD	-417724	IEEBS	16 50	34.9	-41 44	29	9.46	EO.41	BO	V	20	LWR	15415	L L 0	003	10	83 062	18 59	G 83/063*	C=255,B=25
HD	326309	IEEBS	16 50	35.9	-41 21	29	10.1	EO.48	B1	V	20	SWP	17134	L L 0	007	50	82 156	21 04	G 82/159	C=140,B=42
HD	326309	IEEBS	16 50	36.0	-41 21	30	10.0		B1	V	20	SWP	17895	L L 0	009	20	82 252	12 14	G 82/252	C=190,B=59
HD	326309	IEEBS	16 50	36.0	-41 21	30	10.0		B1	V	20	LWR	14132	L L 0	006	30	82 252	13 00	G 82/252	C=1.3X,B=41
HD	326309	IEEBS	16 50	36.0	-41 21	30	10.0		B1	V	20	FES	1376	D 2	160	00	82 252	14 38	G 82/252	NO COMMENTS
BD	-417727	IEEBS	16 50	36.9	-41 43	51	9.45	EO.44	B1	V	20	SWP	19382	L L 0	005	50	83 062	22 29	G 83/063*	C=200,B=20
BD	-417727	IEEBS	16 50	36.9	-41 43	51	9.45	EO.44	B1	V	20	LWR	15418	L L 0	003	10	83 062	22 39	G 83/063*	C=230,B=25
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.6		B2	V	20	SWP	17129	L L 0	016	40	82 156	15 12	G 82/158	C=230,B=113
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.6		B2	V	20	LWR	13419	L L 0	011	40	82 156	15 47	G 82/158	C=255,B=56
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.2		B1	V	20	SWP	17130	L L 0	009	20	82 156	16 16	G 82/158	C=156,B=83
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.6		B2	V	20	LWR	13420	L L 0	005	50	82 156	16 49	G 82/158	C=170,B=40
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.6		B2	V	20	SWP	17893	L L 0	019	00	82 252	09 38	G 82/252	C=175,B=20
	BR1017	IEEBS	16 50	38.9	-41 41	59	10.6		B2	V	20	LWR	14130	L L 0	017	30	82 252	10 13	G 82/252	C=2X,B=32
BD	-417730	IEEBS	16 50	38.9	-41 43	59	9.40	EO.40	B1	V	20	SWP	19380	H L 0	005	50	83 062	19 38	G 83/063*	C=200,B=25
BD	-417730	IEEBS	16 50	38.9	-41 43	59	9.40	EO.40	B1	V	20	LWR	15416	L L 0	003	10	83 062	19 49	G 83/063*	C=220,B=25
BD	-41 7733	IEEBS	16 50	41.0	-41 45	40	7.9		09	III	12	SWP	17896	L L 0	000	50	82 252	13 47	G 82/252	C=180,B=18
BD	-41 7733	IEEBS	16 50	41.0	-41 45	40	7.9		09	III	12	LWR	14133	L L 0	000	35	82 252	14 29	G 82/252	C=1.5X,B=21
BD	-41 7736	IEEBS	16 50	44.0	-41 44	40	10.2		B1	V	20	SWP	17131	L L 0	009	20	82 156	17 44	G 82/158	C=195,B=95
BD	-41 7736	IEEBS	16 50	44.0	-41 44	40	10.2		B1	V	20	LWR	13421	L L 0	005	50	82 156	18 10	G 82/159	C=205,B=45

OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS					
		HR	MN	SEC	RA	DEC	DEG							MN	SC	MIN	SE	YR				DAY	HR	MN	YR/DAY	
BD	-41 7736	IEEBS	16	50	44.0	-41	44	40	10.2	B1	V	20	SWP	17894	L	L	0	010	30	82	252	10	53	G 82/252	C=160,B=25	
BD	-41 7736	IEEBS	16	50	44.0	-41	44	40	10.2	B1	V	20	LWR	14131	L	L	0	008	45	82	252	11	32	G 82/252	C=13X,B=33	
BD	-41 7743	IEEBS	16	50	47.9	-41	46	29	9.79	EO.54	BO	V	20	SWP	17907	L	L	0	010	00	82	253	13	00	G 82/253	C=1.5X,B=80
BD	-41 7743	IEEBS	16	50	47.9	-41	46	29	9.79	EO.54	BO	V	20	LWR	14139	L	L	0	004	45	82	253	13	15	G 82/253	C=255,B=36
BD	-41 7743	IEEBS	16	50	47.9	-41	46	29	9.79	EO.54	BO	V	20	SWP	17909	L	L	0	006	30	82	253	14	57	G 82/253	C=200,B=20
BD	-417743	IEEBS	16	50	47.9	-41	46	29	9.79	EO.54	BO	V	20	LWR	15419	L	L	0	005	00	83	062	23	44	G 83/063*	C=255,B=25
HD	152270	IEEBS	16	50	48.0	-41	44	20	6.6	WC			10	SWP	17908	L	S	0	000	20	82	253	13	50	G 82/253	E=88,C=140,B=18
HD	152270	IEEBS	16	50	48.0	-41	44	20	6.6	WC			10	SWP	17908	L	L	0	000	15	82	253	13	53	G 82/253	E=193,C=140,B=18
HD	152270	IEEBS	16	50	48.0	-41	44	20	6.6	WC			10	LWR	14140	L	S	0	000	15	82	253	14	44	G 82/253	E=115,C=200,B=22
HD	152270	IEEBS	16	50	48.0	-41	44	20	6.6	WC			10	LWR	14140	L	L	0	000	10	82	253	14	48	G 82/253	E=106,C=180,B=22
HD	326331	IEEBS	16	50	54.8	-41	45	05	7.5		07	V	12	SWP	17132	L	S	0	001	00	82	156	19	03	G 82/159	E=136,C=180,B=42
HD	326331	IEEBS	16	50	54.8	-41	45	05	7.5		07	V	12	SWP	17132	L	L	0	000	29	82	156	19	06	G 82/159	C=150,B=42
HD	326331	IEEBS	16	50	54.8	-41	45	05	7.5		07	V	12	LWR	13422	L	S	0	001	15	82	156	19	11	G 82/159	C=245,B=35
HD	326331	IEEBS	16	50	54.8	-41	45	05	7.5		07	V	12	LWR	13422	L	L	0	000	23	82	156	19	14	G 82/159	C=195,B=35
HD	326332	IEEBS	16	50	54.9	-41	45	29	9.66	EO.52	BO	V	20	SWP	19381	L	L	0	006	40	83	062	21	07	G 83/063*	C=185,B=33
HD	326332	IEEBS	16	50	54.9	-41	45	29	9.66	EO.52	BO	V	20	LWR	15417	L	L	0	004	20	83	062	21	18	G 83/063*	C=220,B=32
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		45	LWR	13429	L	L	0	000	20	82	157	18	53	G 82/159	C=135,B=25
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		45	SWP	17139	L	L	0	030	00	82	157	18	58	G 82/159	E=86,C=1.5X,B=60
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		45	LWR	13430	H	L	0	030	00	82	157	19	57	G 82/159	E=228,C=230,B=45
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		45	LWR	13431	L	L	0	000	30	82	157	21	37	G 82/159	
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		45	LWR	13431	L	S	0	002	00	82	157	21	42	G 82/159	C=1.5X,B=25
HD	153751	RSERP	16	51	01.0	+82	07	22	4.2		G5		39	SWP	17463	L	L	0	070	00	82	203	10	41	G 82/203	E=154,C=4-5X,B=98
AK	SCD	EC271	16	51	23.0	-36	48	00	9.0				58	LWR	14048	L	L	0	12	00	82	241	18	29	V /	* 452
AK	SCD	EC271	16	51	23.0	-36	48	00	9.0				58	LWR	14048	L	S	0	12	00	82	241	18	44	V /	* 332 4-MIN-HTR-WM-UP
AK	SCD	EC271	16	51	23.0	-36	48	00	9.0				58	SWP	17804	L	L	0	170	00	82	241	19	02	V /	* 341
NGC	6254	EA170	16	54	30.0	-04	02	00	13.4				16	LWR	13100	L	L	0	90	00	82	119	03	09	V /	603 4-MIN-HTR-WM-UP
NGC	6254	EA170	16	54	30.0	-04	02	00	13.4				16	SWP	16854	L	L	0	60	00	82	119	04	44	V /	502
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.0				59	SWP	18425	L	L	0	75	00	82	302	15	37	V /	* 331
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.0				59	LWR	14517	L	L	0	174	00	82	302	16	57	V /	* 335 4-MIN-HTR MN=774
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.0				59	SWP	18426	L	L	0	75	00	82	302	19	55	V /	* 331
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.0				59	LWR	14518	L	L	0	30	00	82	302	21	13	V /	* 303 4-MIN-HTR
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.3				59	SWP	18524	L	L	0	40	00	82	314	13	48	V /	* 200
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.3				59	LWR	14598	L	L	0	175	00	82	314	14	34	V /	* 305 4-MIN-HTR MN=765
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.3				59	SWP	18525	L	L	0	75	00	82	314	17	35	V /	* 201
HZ	HER	EIO20	16	56	02.0	+35	25	00	14.3				59	SWP	18526	L	L	0	35	00	82	314	19	12	V /	* 200
HD	154417	LDERN	17	02	43.9	+00	46	17	5.8		F8	V	41	LWR	13256	H	L	0	030	00	82	137	19	56	G 82/138	E=114,C=160,B=50
HD	154417	LDEDS	17	02	44.0	+00	46	28	6.0		GO	V	44	SWP	19497	L	L	0	190	00	83	079	15	10	G 83/080*	E=121,C=3X,B=84
HD	154417	LDERN	17	02	44.0	+00	46	17	5.8		F8	V	41	LWR	13296	H	L	0	080	00	82	142	19	42	G 82/144	E=224,C=1.5X,B=98
M2	-09	NPEWF	17	02	52.4	-10	04	30	13.0				70	LWR	13921	L	L	0	035	00	82	223	15	12	G 82/224	C=180,B=121
M2	-09	NPEWF	17	02	52.5	-10	04	31	13.0				70	SWP	17659	L	L	0	040	00	82	223	14	26	G 82/224	C=220,B=181



OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
	M2	-09	NPEWF	17 02 52.5	-10 04 31	13.0					70	LWR	15324	L L 0	090	00 83 049	19 32	G 83/053*	E=2X,C=180,B=115		
	HD154445		EM261	17 02 57.0	-00 49 00	5.6					20	SWP	18312	H L 0	8 00 82 290	19 43	V /	* 501			
Q	1704+608		EHEEJ	17 04 03.3	+60 48 31	15.3		B1	V		85	SWP	18427	L L 0	315 00 82 302	22 30	G 82/305*	E=140,C=100,B=58			
Q	1704+608		EHEEJ	17 04 03.3	+60 48 31	15.3		B1	V		85	SWP	18441	L L 0	360 00 82 304	22 18	G 82/305*	E=169,C=125,B=75			
	HD155125		EA051	17 07 30.0	-15 40 00	99.9					30	LWR	14308	H L 0	1 15 82 274	16 30	V /	* 601 4-MIN-HTR			
	HD155125		EA051	17 07 30.0	-15 40 00	99.9					30	SWP	18172	H L 0	18 00 82 274	16 38	V /	* 800			
PG	1708+602		EHEEJ	17 08 35.8	+60 13 51	13.8		0	SD		16	SWP	18428	L T 0	030 00 82 303	04 21	G 82/305*	C=130,B=45			
	HD155763		PHCAL	17 08 38.0	+65 47 00	3.5					25	LWP	1532	H L 0	25 82 110 08	08 33	V /	400 CAMERA NOT PREPP			
	HD155763		PHCAL	17 08 38.0	+65 47 00	3.5					25	LWP	1533	H L 0	25 82 110 09	00 00	V /	402			
	HD155763		PHCAL	17 08 38.0	+65 47 00	3.5					25	LWP	1574	L L 0	1 82 162 04	04 21	V /	501 1 ITER, R=13.89			
HD	155603		SGEBM	17 10 59.6	-39 42 35	6.6		G5	IA		45	LWR	15318	L L 0	015 00 83 049	01 24	G 83/052*	C=80,B=80			
	HD156074		EC152	17 11 57.0	+42 10 00	7.6					50	LWR	14938	L L 0	35 00 82 362	11 14	V /	* 453 MN=763 1ST EXP L			
	HD156074		EC152	17 11 57.0	+42 10 00	7.6					50	LWR	14938	L L 0	35 00 82 362	11 14	V /	* 453 MN=763 2ND EXP L			
HD	155885		LDERN	17 12 15.0	-26 32 26	5.3		K1	V		46	SWP	16977	L L 0	270 00 82 137	09 01	G 82/138	E=255,C=170,B=81			
HD	155886		LDERN	17 12 15.1	-26 32 29	5.3		K1	V		46	SWP	16946	L L 0	005 00 82 132	17 23	G 82/133	E=45,C=20,B=20			
HD	155886		LDERN	17 12 15.1	-26 32 29	5.3		K1	V		46	LWR	13232	H L 0	060 00 82 132	18 00	G 82/133	E=3X,C=2X,B=67			
	HD156630		EI164	17 15 20.0	+22 09 00	99.9					22	SWP	18287	H L 0	1 30 82 287	20 15	V /	* 500			
NGC	6341		EPEJC	17 15 36.0	+43 12 00	9.5		F1			83	SWP	19420	L M 0	100 00 83 067	19 06	G 83/076*	C=125,B=85			
NGC	6341		EPEJC	17 15 36.0	+43 12 00	9.5		F1			83	LWR	15449	L M 0	049 30 83 067	20 35	G 83/076*	C=140,B=50			
	N6341		GHEST	17 15 53.9	+43 11 59			F2			83	LWP	1755	L L 0	030 00 83 003	05 29	G 83/004*	C=220,B=160			
PG	1717+413		CVEJL	17 17 00.9	+41 18 54	14.1		A			54	SWP	17353	L L 0	040 00 82 185	10 12	G 82/187	C=80,B=32			
PG	1717+413		CVEJL	17 17 00.9	+41 18 54	14.1		A			54	LWR	13601	L L 0	040 00 82 185	10 57	G 82/187	C=131,B=45			
PG	1717+413		CVEJL	17 17 00.9	+41 18 54	14.1		A			54	SWP	17354	L L 0	040 00 82 185	11 42	G 82/187	C=135,B=90			
PG	1718+481		QSERG	17 18 17.5	+48 07 10	15.5		F			85	SWP	16762	L L 0	330 00 82 104	10 35	G 82/104	C=150,B=70			
PG	1718+481		QSERG	17 18 17.7	+48 07 11	15.4					85	LWR	13015	L M 0	430 00 82 103	10 38	G 82/103	E=3X,C=2X,B=98			
	V636	SC0	HCEEB	17 19 05.4	-45 34 01	7.6		G5	II		53	SWP	17043	L L 0	030 00 82 145	17 21	G 82/146	C=91,B=42			
	V636	SC0	HCEEB	17 19 05.4	-45 34 01	7.6		G5	II		53	LWR	13838	H L 0	170 00 82 214	06 56	G 82/214	C=175,B=45			
	V636	SC0	HCEEB	17 19 05.5	-45 34 01	7.6		G5	II		53	LWR	13314	L L 0	020 00 82 145	17 58	G 82/146	C=1.5X,B=35			
	V636	SC0	HCEEB	17 19 05.5	-45 34 01	7.6		G5	II		53	LWR	13314	L S 0	005 00 82 145	18 28	G 82/146	C=150,B=30			
HD	157246		IGEJS	17 21 10.7	-56 19 59	3.3		B1	IB		23	SWP	17397	H L 0	000 30 82 191	18 45	G 82/193	C=255,B=40			
HD	157246		IGEJS	17 21 10.7	-56 19 59	3.3		B1	IB		23	LWR	13652	H L 0	000 18 82 191	18 49	G 82/193	C=240,B=35			
	HD157451		EA093	17 21 47.0	-43 27 00	10.6					10	SWP	16835	H L 0	389 00 82 116	03 18	V /	243			
HD	157741		MLEPB	17 22 18.4	+15 39 01	6.2		B9	V		22	SWP	17999	H L 0	025 00 82 261	08 44	G 82/263	C=190,B=39			
HD	157792		RPSTD	17 23 18.7	-24 07 52	4.16	E-.01	A9	V		31	SWP	19461	L T 0	001 20 83 073	23 55	G 83/075*	C=165,B=30			
HD	157792		RPSTD	17 23 18.7	-24 07 52	4.16	E-.01	A9	V		31	LWR	15490	L T 0	000 25 83 074	00 05	G 83/074*	C=215,B=25			
HD	157792		RPSTD	17 23 18.7	-24 07 52	4.16		A9	V		31	SWP	19498	L T 0	001 35 83 079	18 56	G 83/080*	C=180,B=32			
HD	157950		RPSTD	17 23 58.5	-05 02 38	4.5		F3	V		41	SWP	19462	L L 0	001 10 83 074	01 09	G 83/075*	C=165,B=25			
HD	157950		RPSTD	17 23 58.5	-05 02 38	4.5		F3	V		41	LWR	15491	L T 0	000 30 83 074	01 17	G 83/075*	C=200,B=30			
HD	157950		RPSTD	17 23 58.5	-05 02 38	4.54	EO.00	F3	IV		41	SWP	19499	L T 0	005 00 83 079	19 38	G 83/080*	C=230,B=50			
	HD157999		EC116	17 24 02.0	+04 11 00	4.8					47	SWP	18120	L L 0	210 00 82 269	16 39	V /	* 141			

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG						MN	SC	P	R	P	MIN			
HD	158926	IGEJS	17 30	12.6	-37 04	10	1.6	B1 IV	20	LWR	13634	H	L	0	000	04 82	189 18 42	G 82/190	C=250, B=35
HD	158926	IGEJS	17 30	12.6	-37 04	10	1.6	B1 IV	20	SWP	17385	H	L	0	000	04 82	189 18 47	G 82/190	C=245, B=38
HD	158926	IGEJS	17 30	12.6	-37 04	10	1.6	B1 IV	20	LWR	13635	H	L	0	000	04 82	189 19 24	G 82/190	C=240, B=38
HD	158926	IGEJS	17 30	12.6	-37 04	10	1.6	B1 IV	20	SWP	17398	H	L	0	000	03 82	191 19 32	G 82/194	C=215, B=38
HD317844	EIO73		17 31	09.0	-32 28	00	9.0		66	LWR	14435	L	L	0	1 10	82 291	18 24	V /	* 402 4-MIN-HTR
HD317844	EIO73		17 31	09.0	-32 28	00	9.0		66	SWP	18326	H	L	0	140	00 82	291 18 54	V /	* 502
HD317844	EIO73		17 31	09.0	-32 28	00	9.0		66	SWP	18327	L	L	0	1 30	82 291	21 40	V /	* 501
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWR	14385	L	L	0	7 82	284 18 23	V /	* 502 MN=559	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWR	14385	L	S	0	21 82	284 18 26	V /	* 602	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWR	14386	L	L	0	31 82	284 18 57	V /	* 502 TRAIL, R=.641, ITE	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWP	1690	L	L	0	6 82	284 19 53	V /	* 502	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWP	1690	L	S	0	18 82	284 19 58	V /	* 602	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	LWP	1691	L	L	0	26 82	284 20 31	V /	* 502 TRAIL, R=.78, ITER	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	SWP	18261	L	L	0	10 82	284 21 28	V /	* 500	
HD	60753	PHCAL	17 32	08.0	-50 28	00	6.7		21	SWP	18261	L	S	0	30 82	284 21 31	V /	* 600	
HD159561	EA051		17 32	37.0	+12 36	00	2.1		31	LWR	14309	H	L	0	1 10	82 274	18 52	V /	* 602
HD159561	EA051		17 32	37.0	+12 36	00	2.1		31	SWP	18173	H	L	0	45 00	82 274	18 55	V /	* 822 SPREP
HD159561	STAND		17 32	37.0	+12 36	00	2.2		31	SWP	17411	L	L	0	8 82	193 03 07	V /	* 500 TRAIL, 1ITER, R=2.	
HD159561	STAND		17 32	37.0	+12 36	00	2.2		31	SWP	17411	L	S	0	30 82	193 03 11	V /	* 700	
HD159561	STAND		17 32	37.0	+12 36	00	2.2		31	LWR	13661	L	S	0	4 82	193 03 41	V /	* 702	
HD159561	STAND		17 32	37.0	+12 36	00	2.2		31	LWR	14482	L	L	0	25 82	298 14 28	V /	* 452 TRAIL, 1ITER, R=7.	
HD159561	VILSP		17 32	37.0	+12 36	00	2.1		33	LWR	14250	L	L	0	1 82	267 23 16	V /	* 501	
HD	160538	RSETS	17 34	03.3	+74 15	33			47	SWP	18538	L	L	0	055	00 82	316 10 54	G 82/316*	C=1.5X, B=23
HD	160538	RSETS	17 34	03.3	+74 15	33	6.6	KO III	47	LWR	14638	H	L	0	020	00 82	319 23 53	G 82/320*	E=85, C=60, B=28
HD	160538	RSETS	17 34	03.3	+74 15	33	6.6	KO III	47	SWP	18562	L	L	0	040	00 82	320 00 43	G 82/320*	C=220, B=25
ROB	162	EA170	17 36	48.0	-53 39	00	13.3		16	LWR	13092	L	L	0	8 00	82 118	03 01	V /	302 4-MIN-HTR-WM-UP
ROB	162	EA170	17 36	48.0	-53 39	00	13.3		16	SWP	16846	L	L	0	393	00 82	118 03 13	V /	303
		RT SER	17 37	03.5	-11 55	09			57	LWR	14047	L	L	0	055	00 82	241 16 45	G 82/243	B=32
LSS	4357	HSEJD	17 41	27.9	-19 36	48	12.8	B3	24	LWR	14231	L	L	0	020	00 82	265 07 29	G 82/265	C=85, B=28
LSS	4357	HSEJD	17 41	27.9	-19 36	48	12.8	B3	24	SWP	18070	L	L	0	070	00 82	266 04 39	G 82/266	C=125, B=97
HE2-274	NPEWF		17 41	52.5	-46 04	09	11.5		70	SWP	17660	L	L	0	070	00 82	223 16 35	G 82/224	C=10X, B=75
HE2-274	NPEWF		17 41	52.6	-46 04	10	11.5		70	SWP	17731	L	L	0	012	00 82	233 15 10	G 82/235	C=1.1X, B=26
HE2-274	NPEWF		17 41	52.6	-46 04	10		PN	70	SWP	17852	L	L	0	010	00 82	248 14 55	G 82/252	C=1.5X, B=77
HE2-274	NPEWF		17 41	52.6	-46 04	10	11.5		70	LWR	14093	L	L	0	010	00 82	248 15 11	G 82/250	C=2X, B=40
HE2-274	NPEWF		17 41	52.6	-46 04	10	11.5		70	SWP	19290	H	L	0	025	00 83	049 21 25	G 83/075*	C=190, B=165
	SZ	SGR RNEHJ	17 42	00.2	-18 38	14	8.6	N IB	50	LWR	15376	L	L	0	045	00 83	057 00 07	G 83/059*	C=180, B=121
BD	+17	3327 RNEHJ	17 43	29.7	+17 13	59	8.7	RO III	50	LWR	14073	L	L	0	025	00 82	244 06 05	G 82/244	C=80, B=25
BD	+17	3325 RNEHJ	17 43	29.7	+17 13	59	8.7	RO III	50	LWR	15377	L	L	0	060	00 83	057 01 29	G 83/059*	C=255, B=160
HD	161471	RPSTD	17 44	05.0	-40 06	34	3.03	EO.34 F2	40	LWR	15565	L	T	0	000	45 83	082 23 05	G 83/083*	C=255, B=46
HD	161471	RPSTD	17 44	05.0	-40 06	34	3.03	EO.34 F2	40	LWR	15565	L	S	0	001	37 83	082 23 15	G 83/083*	C=255, B=46

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D P R	A S P	L P R	EXP MIN	OSE SE	YR	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS		
		HR	MM	SEC	DEG												MM	SC	DAY				HR	MM
HD	161471	RPSTD	17 44 05.0	-40 06 34	3.03	EO.34	F2	IA	40	SWP	19525	L	L	0	003	00	83	082	23	20	G	83/083*	C=240,B=53	
HD	161797	CSEMG	17 44 30.0	+27 44 32	3.4		G8	IV	44	LWR	13819	H	L	0	015	00	82	212	16	06	G	82/215	E=165,C=1.5X,B=72	
HD	161797	CSEMG	17 44 30.0	+27 44 32	3.4		G8	IV	44	SWP	17537	L	L	0	030	00	82	212	16	27	G	82/214	E=173,C=220,B=140	
	V500	SCD	HCEEB	17 45 25.0	-30 27 35	8.7		KO	II	53	SWP	17577	L	L	0	045	00	82	216	09	08	G	82/216	C=40,B=40
	NGC 6445	EA027	17 46 17.0	-19 59 00	13.0				70	SWP	17030	L	L	0	180	00	82	144	04	46	V	/	121	
	NGC 6445	EA027	17 46 17.0	-19 59 00	13.0				70	LWR	13308	L	L	0	120	00	82	144	05	15	V	/	113 SERENDIPITY	
	RS OPH	ZAELW	17 47 31.5	-06 42	11.0				59	LWR	14080	L	L	0	120	00	82	247	12	08	G	82/250	C=2X,B=145	
	RS OPH	ZAELW	17 47 31.5	-06 41 48	11.0				57	LWR	14479	L	L	0	030	00	82	298	08	39	G	82/289*	E=133,C=117,B=32	
	RS OPH	ZAELW	17 47 31.5	-06 41 48	11.0				57	SWP	18387	L	L	0	060	00	82	298	09	15	G	82/299*	C=130,B=88	
	RY SCD	HCEEB	17 47 33.9	-33 41 31	7.9		G3	II	53	SWP	17044	L	L	0	045	00	82	145	18	55	G	82/146	C=88,B=73	
	RY SCD	HCEEB	17 47 33.9	-33 41 31	7.9		G3	II	53	LWR	13315	H	L	0	020	00	82	145	19	46	G	82/146	C=90,B=40	
HD	162732	MLERH	17 48 44.7	+48 24 24	6.4		B6	V	60	SWP	18113	H	L	0	025	00	82	269	08	06	G	82/271	C=1.1X,B=68	
HD	162732	MLERH	17 48 44.7	+48 24 24	6.4		B6	V	60	LWR	14265	H	L	0	020	00	82	269	08	41	G	82/270	E=180,C=250,B=42	
	HD162732	EA080	17 48 45.0	+48 24 00	6.4				22	SWP	18085	H	L	0	25	00	82	266	22	47	V	/	* 601	
	HD162732	EA080	17 48 45.0	+48 24 00	6.4				26	SWP	18825	H	L	0	25	00	82	353	15	28	V	/	* 501	
	ABELL 43	NPEJK	17 51 11.1	+10 37 53	0.0		0	SD	70	SWP	17733	L	L	0	010	00	82	233	17	38	G	82/235	C=45,B=17	
	HD163472	EM261	17 53 45.0	+00 41 00	5.8				20	SWP	18313	H	L	0	11	00	82	290	20	35	V	/	* 501	
NGC	6500	EGETT	17 53 48.0	+18 20 42	13.4				80	LWR	15395	L	L	0	150	00	83	059	18	15	G	83/080*	C=120,B=72	
HD	163770	CCEJL	17 54 31.9	+37 15 21	3.84		K1	II	47	LWR	13541	L	L	0	010	00	82	172	21	34	G	82/173	E=1-2X,C=2-3X,B=22	
HD	163770	CCEJL	17 54 32.0	+37 15 22	3.8		K1	II	47	LWR	13539	H	L	0	035	00	82	172	17	50	G	82/173	E=245,C=145,B=80	
HD	163770	CSELH	17 54 32.2	+37 15 22	3.8		K3	II	47	LWR	13334	H	L	0	050	00	82	148	22	08	G	82/152	E=236,C=100,B=32	
HD	163770	CSELH	17 54 32.2	+37 15 22	3.8		K3	II	47	LWR	13978	H	L	0	050	00	82	230	15	05	G	82/230	E=254,C=115,B=59	
HD	163770	CSELH	17 54 32.2	+37 15 22	3.8		K3	II	47	SWP	17722	L	L	0	385	00	82	232	03	26	G	82/232	E=1.2X,C=160,B=67	
HD	163990	RNEHU	17 55 22.3	+45 21 20	6.02		M5		49	LWR	15378	L	L	0	030	00	83	057	03	06	G	83/059*	E=260,C=100,B=50	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14363	L	L	0	9	00	82	282	14	41	V	/	* 704 FES=3632 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14364	L	L	0	18	00	82	282	15	20	V	/	* 744 FES=3631 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14365	L	L	0	4	00	82	282	16	06	V	/	* 502 FES=3696 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14366	L	L	0	10	00	82	282	16	42	V	/	* 702 FES=3458 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14367	L	L	0	12	00	82	282	17	22	V	/	* 703 FES=3092 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14368	L	L	0	16	00	82	282	18	03	V	/	* 703 FES=2629 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14369	L	L	0	23	00	82	282	18	49	V	/	* 703 FES=2110 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14370	L	L	0	50	00	82	282	19	41	V	/	* 704 FES=1741 F/O	
	HD163930	EC268	17 55 52.0	+15 08 00	7.7				53	LWR	14371	L	L	0	35	00	82	282	21	07	V	/	* 704 FES=2198 F/O	
HD	164136	HCETA	17 56 35.3	+30 11 32	4.5		F2	II	39	LWR	15296	L	L	0	000	12	83	047	02	13	G	83/047*	C=185,B=25	
HD	164136	HCETA	17 56 35.3	+30 11 32	4.5		F2	II	39	SWP	19266	L	L	0	000	48	83	047	02	16	G	83/047*	C=145,B=26	
	HD164284	EA080	17 57 47.0	+04 22 00	4.8				20	SWP	16697	H	S	0	4	30	82	095	09	30	V	/	701	
	HD164284	EA080	17 57 47.0	+04 22 00	4.8				20	SWP	16909	H	S	0	4	30	82	127	00	42	V	/	602	
	HD164284	EA080	17 57 47.0	+04 22 00	4.8				20	SWP	17336	H	L	0	1	20	82	182	22	46	V	/	* 501	
	HD164284	EA080	17 57 47.0	+04 22 00	4.8				20	SWP	17586	H	L	0	1	20	82	216	20	17	V	/	* 501	
	HD164284	EA080	17 57 47.0	+04 22 00	4.8				20	SWP	18082	H	L	0	1	20	82	266	20	59	V	/	* 401	

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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD164284	E1087	17 57 47.0	+04 22 00	4.8			20	SWP 18189	H L 0	2 00 82 275 18 57	V /	*	501	
HD164284	E1273	17 57 47.0	+04 22 00	3.0			26	SWP 18257	H L 0	2 00 82 284 14 12	V /	*	501	
HD	164284	MLECW	17 57 47.0	+04 22 11	4.8	B2 V	20	LWR 14382	L T 0	000 05 82 284 11 38	G	82/285	C=255,B=81	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 17880	H L 0	002 00 82 251 14 17	G	82/252	C=255,B=81	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 17917	H L 0	002 00 82 254 08 54	G	82/256	C=215,B=42	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 17950	H L 0	002 00 82 257 09 12	G	82/258	C=220,B=40	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 17975	H L 0	002 00 82 259 08 59	G	82/259	C=213,B=37	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18073	H L 0	002 00 82 266 09 40	G	82/266	C=220,B=43	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18126	H L 0	002 00 82 270 09 57	G	82/271	C=225,B=38	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18183	H L 0	002 00 82 275 13 06	G	82/277	C=220,B=38	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18207	H L 0	002 00 82 278 08 26	G	82/278	C=230,B=38	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18232	H L 0	002 00 82 280 12 17	G	82/285	C=220,B=40	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18253	H L 0	002 00 82 284 10 32	G	82/286	C=220,B=39	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18254	L T 0	000 05 82 284 11 04	G	82/287	C=240,B=17	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18276	H L 0	002 00 82 287 08 39	G	82/287*	C=220,B=39	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18318	H L 0	002 00 82 291 08 47	G	82/291*	C=220,B=40	
HD	164284	MLECW	17 57 47.1	+04 22 12	4.8	B2 V	20	SWP 18344	H L 0	002 00 82 294 06 27	G	82/294*	C=205,B=40	
HD164402	EM221	17 58 52.0	-22 47 00	5.8			23	LWR 14287	H L 0	4 30 82 271 21 56	V /	*	502 4-MIN-HTR	
HD164402	EM221	17 58 52.0	-22 47 00	5.8			23	SWP 18147	H L 0	7 30 82 273 22 22	V /	*	701	
HD164492	EM221	17 59 21.0	-20 02 00	7.3			13	LWR 14286	H L 0	13 30 82 271 21 00	V /	*	403	
HD164492	EM221	17 59 21.0	-20 02 00	7.3			13	SWP 18146	H L 0	17 00 82 271 21 18	V /	*	501	
	W2	MLEPH	17 59 34.7	-24 15 25	7.1	B2 III	23	SWP 16903	H L 0	012 00 82 126 15 03	G	82/127	C=197,B=50	
	W2	MLEPH	17 59 34.7	-24 15 25	7.1	B2 III	23	LWR 13180	H L 0	015 00 82 126 17 10	G	82/127	C=1.5X,B=80	
HD	164584	SGEBM	17 59 47.2	-24 17 01	5.3	F5 II	41	LWR 15319	L L 0	007 00 83 049 02 14	G	83/052*	C=3X,B=70	
HD	164584	SGEBM	17 59 47.2	-24 17 01	5.3	F5 II	41	SWP 19284	L L 0	010 00 83 049 03 29	G	83/053*	C=207,B=90	
HD164704	EM221	18 00 17.0	-22 50 00	7.7			24	LWR 14288	H L 0	40 00 82 271 23 00	V /	*	504 4-MIN-HTR	
HD164704	EM221	18 00 17.0	-22 53 00	7.7			21	SWP 18156	H L 0	50 00 82 272 20 54	V /	*	501	
SERENDIP	NAERD	18 00 36.7	-24 23 52		EO.4	H2	72	LWR 13252	L L 0	060 00 82 136 18 06	G	82/137	C=95,B=45	
NGC	6523	NAERD	18 00 37.3	-24 22 47		EO.4	H2	72	SWP 16974	H L 0	150 00 82 136 17 15	G	82/137	C=185,B=135
NGC	6523	NAERD	18 00 37.3	-24 22 47	0.5		72	LWR 13253	H L 0	050 00 82 136 19 49	G	82/137	C=60,B=60	
NGC	6523	NAERD	18 00 37.3	-24 22 47	0.5		72	SWP 16975	L L 0	185 00 82 136 20 42	G	82/137	C=5-10X,B=105	
COR12403	OD76B	18 00 42.0	-24 22 00	9.3		O8 V	12	LWR 13959	L L 0	012 00 82 227 16 46	G	82/229	C=1.5X,B=50	
COR12403	OD76B	18 00 42.0	-24 22 00	9.3		O8 V	12	SWP 17699	L L 0	006 00 82 227 17 09	G	82/229	C=195,B=25	
	W7	MLEPH	18 00 48.4	-24 21 49	6.0	O6 IB	13	SWP 16904	H L 0	004 30 82 126 16 30	G	82/127	E=173,C=198,B=50	
	W42	MLEPH	18 01 12.0	-24 24 03	9.2	B3 III	24	SWP 17110	L L 0	004 00 82 154 16 42	G	82/155	C=2X,B=65	
	W42	MLEPH	18 01 12.0	-24 24 03	9.2	B3 III	24	LWR 13396	L L 0	003 30 82 154 16 50	G	82/155	C=2-3X,B=42	
	W42	MLEPH	18 01 12.0	-24 24 03	9.2	B3 III	24	LWR 13399	L T 0	003 30 82 154 21 37	G	82/155	C=175,B=30	
	W65	MLEPH	18 01 21.8	-24 23 22	7.5	B0 II	23	SWP 16902	H L 0	025 00 82 126 13 42	G	82/127	C=160,B=40	
	W65	MLEPH	18 01 21.8	-24 23 22	7.5	B0 II	23	LWR 13178	H L 0	030 00 82 126 14 18	G	82/127	C=235,B=51	
	W65	MLEPH	18 01 21.8	-24 23 22	7.4	0.35 B0	23	SWP 16908	L T 0	001 30 82 126 22 47	G	82/127	C=215,B=38	

## IUE LOG SORTED BY RIGHT ASCENSION AND PROGRAM ID

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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 A L S P A P R P	EXP TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
BD	-01	3438	18 01 21.8 -24 23 22	7.5		BO II	23	LWR 13183	L T O 001	20 82	126 23 00	G	82/127	C=225,B=30
			18 01 22.8 -24 22 09	8.3		BO III	23	LWR 13398	L T O 001	20 82	154 19 38	G	82/155	C=190,B=67
			18 01 22.8 -24 22 09	8.3		BO III	23	SWP 17112	L T O 002	10 82	154 20 20	G	82/155	C=232,B=125
			18 01 23.6 -01 01 34	10.4		B5 IB	27	SWP 17049	L L O 120	00 82	146 14 02	G	82/147	C=90,B=53
BD	-1	3438	18 01 23.6 -01 01 34	10.4		K5 IB	27	LWR 13319	L L O 050	00 82	146 16 06	G	82/147	C=230,B=32
			18 01 29.3 -24 09 52	8.5		BB III	25	SWP 16901	H L O 044	00 82	126 11 04	G	82/127	C=120,B=31
			18 01 29.3 -24 09 52	8.5		BB III	25	LWR 13176	L T O 002	30 82	126 11 55	G	82/126	C=170,B=25
			18 01 29.3 -24 09 52	8.5		BB III	25	LWR 13179	H L O 040	00 82	126 15 39	G	82/127	C=220,B=105
			18 01 29.3 -24 09 52	8.5		BB III	25	SWP 16905	L T O 006	00 82	126 17 46	G	82/127	C=2X,B=80
			18 01 29.3 -24 09 52	8.5		BB III	25	LWR 13181	L T O 003	30 82	126 19 15	G	82/127	C=240,B=45
			18 01 29.3 -24 09 52	8.5		BB III	25	SWP 16906	L T O 003	00 82	126 19 39	G	82/127	C=210,B=65
			18 01 32.2 -24 20 05	8.6		B2 IV	23	SWP 16900	H S O 100	00 82	126 08 38	G	82/127	C=180,B=50
			18 01 32.2 -24 20 05	8.6		B2 IV	23	LWR 13175	L T O 007	00 82	126 10 24	G	82/126	C=2-3X,B=32
			18 01 32.2 -24 20 05	8.6		B2 IV	23	LWR 13177	H L O 060	00 82	126 12 37	G	82/127	C=210,B=50
			18 01 32.2 -24 20 05	8.6		B2 IV	23	SWP 16907	L T O 005	40 82	126 20 56	G	82/127	C=2X,B=130
			18 01 32.2 -24 20 05	8.6		B2 IV	23	LWR 13182	L T O 003	00 82	126 21 34	G	82/127	C=240,B=52
			18 01 37.6 -24 21 50	8.9		B3 III	24	LWR 13397	L T O 002	00 82	154 18 16	G	82/155	C=165,B=66
			18 01 37.6 -24 21 50	8.9		B3 III	24	SWP 17111	L T O 002	00 82	154 18 34	G	82/155	C=190,B=125
SAO	186237	HCEEB	18 01 49.4 -29 35 02	5.6		F6 II	53	LWR 13853	H L O 100	00 82	216 07 14	G	82/216	C=1.5X,B=40
			18 02 06.5 -24 24 11	6.9		BO III	23	SWP 17106	H L O 015	00 82	154 06 47	G	82/154	C=190,B=37
			18 02 06.5 -24 24 11	6.9		BO III	23	SWP 17113	L T O 000	45 82	154 21 12	G	82/155	C=230,B=36
SAO	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	LWR 13798	H L O 005	00 82	210 17 30	G	82/211	E=15,C=115,B=42
SAO	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	SWP 17518	L L O 030	00 82	210 17 39	G	82/214	E=1.1X,C=165,B=126
SAC	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	LWR 13799	H L O 011	30 82	210 18 15	G	82/211	E=244,C=160,B=33
SAD	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	SWP 17519	L L O 055	00 82	210 18 52	G	82/214	E=2X,C=100,B=30
SAO	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	LWR 13806	H L O 010	00 82	211 17 43	G	82/214	E=219,C=140,B=30
SAO	123107	CSEMG	18 02 55.6 +02 30 35	4.2		KO V	46	SWP 17526	L L O 110	00 82	211 17 58	G	82/214	E=224,C=160,B=52
HD	165341	LDERN	18 02 55.6 +02 30 35	4.0		KO V	46	SWP 16978	L L O 140	00 82	137 14 10	G	82/138	E=1.2X,C=200,B=82
HD	165341	LDERN	18 02 55.6 +02 30 35	4.0		KO V	46	LWR 13254	H L O 010	00 82	137 16 35	G	82/138	E=200,C=120,B=31
HD	165341	LDERN	18 02 55.6 +02 30 35	4.0		KO V	46	SWP 17017	L L O 150	00 82	142 13 28	G	82/144	E=1.5X,C=200,B=70
HD	165341	LDERN	18 02 55.6 +02 30 35	4.0		KO V	46	LWR 13330	H L O 010	00 82	148 15 36	G	82/148	E=177,C=125,B=37
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13349	H L O 010	00 82	150 15 15	G	82/153	E=248,C=160,B=75
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13351	H L O 009	00 82	150 17 00	G	82/153	E=252,C=160,B=72
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13352	H L O 009	00 82	150 17 40	G	82/153	E=242,C=160,B=72
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13353	H L O 009	00 82	150 18 18	G	82/153	E=231,C=180,B=84
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13354	H L O 009	00 82	150 18 58	G	82/153	E=11.1X,C=205,B=106
HD	165341	LDERN	18 02 55.9 +02 30 00	4.0		KO V	46	LWR 13355	H L O 006	40 82	150 19 37	G	82/153	E=214,C=170,B=94
HD	165341	LDERN	18 02 56.0 +02 30 00	4.0		KO V	46	SWP 16992	L L O 135	00 82	139 13 17	G	82/140	E=255,C=200,B=70
HD	165341	LDERN	18 02 56.0 +02 30 00	4.0		KO V	46	LWR 13272	H L O 010	00 82	139 15 37	G	82/140	E=231,C=120,B=35
HD	165341	LDERN	18 02 56.0 +02 30 00	4.0		KO V	46	LWR 13293	H L O 010	00 82	142 13 13	G	82/144	E=202,C=120,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	OBJ CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
HD	165341	LDERN	18 02 56.0	+02 30 00	4.0	KO V	46	SWP 17032	L L 0	125 00	82 144 21 23	G	82/145	E=255, C=175, B=53
HD	165341	LDERN	18 02 56.0	+02 30 00	4.0	KO V	46	LWR 13313	H L 0	010 00	82 144 22 28	G	82/145	E=189, C=120, B=26
SAD	123107	CSEMG	18 02 56.1	+02 30 00	4.2	KO V	46	LWR 13813	H L 0	010 00	82 212 04 46	G	82/214	E=185, C=120, B=22
SAD	123107	CSEMG	18 02 56.1	+02 30 00	4.2	KO V	46	SWP 17532	L L 0	120 00	82 212 05 00	G	82/214	E=239, C=160, B=41
C	BOWELL	ES284	18 04 47.0	-23 08 00	6.0		12	SWP 17795	L L 0	10 00	82 240 19 12	V	/	* 121
C	BOWELL	ES284	18 04 47.0	-23 08 00	6.0		12	SWP 17796	L L 0	10 00	82 241 00 36	V	/	* 121
C	BOWELL	ES284	18 04 47.0	-23 08 00	6.0		12	LWR 14039	L L 0	50 00	82 241 00 53	V	/	* 1134-MIN-HTR-WM-UP, M
	DQ HER	CVEFC	18 06 05.2	+45 51	14.8		55	SWP 17593	L M 0	080 00	82 217 07 00	G	82/217	E=51, B=27
	DQ HER	CVEFC	18 06 05.2	+45 51	14.8		55	SWP 17614	L M 0	120 00	82 219 02 36	G	82/221	E=82, C=55, B=32
	DQ HER	CVEFC	18 06 05.2	+45 51	14.8		55	SWP 17615	L L 0	040 00	82 219 05 41	G	82/221	E=66, C=45, B=26
	DQ HER	CVEFC	18 06 06.0	+45 51	14.8		55	LWR 13864	L L 0	060 00	82 217 05 51	G	82/217	E=84, C=85, B=33
UZ SER	EIO94	18 08 33.0	-14 56 00	12.8		54	SWP 17633	L L 0	40 00	82 220 19 02	V	/	* 411	
UZ SER	EIO94	18 08 33.0	-14 56 00	12.8		54	LWR 13901	L L 0	60 00	82 220 19 45	V	/	* 4134-MIN-HTR-WM-UP, M	
UZ SER	EIO94	18 08 33.0	-14 56 00	13.1		54	SWP 17645	L L 0	60 00	82 221 23 43	V	/	* 411	
UZ SER	EIO94	18 08 33.0	-14 56 00	13.1		54	LWR 13909	L L 0	55 00	82 222 00 47	V	/	* 4134-MIN-HTR-WM-UP, M	
UZ SER	EIO94	18 08 33.0	-14 56 00	13.1		54	LWR 13917	L L 0	70 00	82 222 19 13	V	/	* 4134-MIN-HTR-WM-UP, M	
UZ SER	EIO94	18 08 33.0	-14 56 00	13.1		54	SWP 17652	L L 0	70 00	82 222 20 28	V	/	* 411	
UZ SER	EI215	18 08 33.0	-14 56 00	13.5		54	LWR 13922	L L 0	60 00	82 223 18 52	V	/	* 403 4-MIN-HTR-WM-UP	
UZ SER	EI215	18 08 33.0	-14 56 00	13.5		54	SWP 17661	L L 0	80 00	82 223 19 59	V	/	* 321	
UZ SER	EI215	18 08 33.0	-14 56 00	14.5		54	SWP 17672	L L 0	130 00	82 224 20 22	V	/	* 331	
UZ SER	EI215	18 08 33.0	-14 56 00	14.5		54	LWR 13930	L L 0	80 00	82 224 22 36	V	/	* 303 4-MIN-HTR-WM-UP	
UZ SER	EI215	18 08 33.0	-14 56 00	16.0		54	SWP 17700	L L 0	180 00	82 227 18 20	V	/	* 301	
UZ SER	EI215	18 08 33.0	-14 56 00	16.0		54	LWR 13960	L L 0	90 00	82 227 21 25	V	/	* 2034-MIN-HTR-WM-UP, M	
NGC 6563	EAO27	18 08 45.0	-33 53 00	13.1		70	SWP 17029	L L 0	120 00	82 144 00 43	V	/	341	
NGC 6563	EAO27	18 08 45.0	-33 53 00	13.1		70	LWR 13306	L L 0	60 00	82 144 01 07	V	/	114 SERENDIPITY	
HD	166596	MLERH	18 09 40.2	-41 20 59	5.3	B3 III	24	LWR 14282	H S 0	004 00	82 271 12 15	G	82/272	C=205, B=38
HD	166596	MLERH	18 09 40.2	-41 20 59	5.3	B3 III	24	SWP 18142	H S 0	005 30	82 271 12 24	G	82/272	C=210, B=50
HD	166596	MLERH	18 09 40.2	-41 20 59	5.3	B3 III	24	LWR 14283	H S 0	004 00	82 271 13 29	G	82/272	C=200, B=30
HD	166596	MLERH	18 09 40.2	-41 20 59	5.3	B3 III	24	SWP 18143	H S 0	006 00	82 271 13 38	G	82/272	C=210, B=40
HD	166937	IBEMP	18 10 46.0	-21 04	3.7	B8 II	39	SWP 17797	H L 0	006 00	82 241 02 10	G	82/242	C=190, B=32
HD	166937	IBEMP	18 10 46.0	-21 04	3.7	B8 II	39	LWR 14040	H L 0	002 00	82 241 02 32	G	82/242	C=200, B=32
NGC 6567	EAO27	18 10 48.0	-19 05 00	11.5		70	SWP 17019	L L 0	186 00	82 143 04 40	V	/	681	
NGC 6567	EAO27	18 10 48.0	-19 05 00	11.5		70	LWR 13307	L L 0	60 00	82 144 03 18	V	/	344	
	A3296	ZAELW	18 12 36.0	-00 20 16	10.5	M III	57	LWR 14481	L L 0	030 00	82 298 12 18	G	82/299*	E=62, B=26
	A3296	ZAELW	18 12 36.0	-00 20 16	10.5	M III	57	SWP 18389	L L 0	055 00	82 298 12 54	G	82/299*	E=161, B=30
SWST 1	EA254	18 12 58.0	-30 53 00	11.0		70	SWP 17068	H L 0	130 00	82 150 02 39	V	/	361	
HD	167771	IEETS	18 14 32.5	-18 28 58	6.5	08	12	LWR 13773	L T 0	000 42	82 206 17 38	G	82/208	C=1.5X, B=34
HD	167771	IEETS	18 14 32.5	-18 28 58	6.5	08	12	LWR 13773	L S 0	000 10	82 206 17 47	G	82/208	C=190, B=34
HD	167771	IEETS	18 14 32.5	-18 28 58	6.5	08	12	SWP 17487	L T 0	000 29	82 206 17 52	G	82/208	C=180, B=27
	AR PAV	OD80B	18 15 24.4	-66 06 14	12.0		57	SWP 17331	L L 0	035 00	82 182 14 14	G	82/183	E=2X, C=155, B=105

OBJECT ID	PRG ID	TARGET RA HR MN	TARGET DEC DEG MN SC	VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXP OSE MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS	
AR PAV	OD80B	18 15 24.4	-66 06 14	12.0			57	LWR 13580	L L O	015 00	82 182 14 55	G	82/183	C=135,B=40	
AR PAV	CBEAC	18 15 24.5	-66 06 15				57	SWP 16710	L L O	030 00	82 097 11 46	G	82/097	E=255,C=58,B=22	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 12974	L L O	020 00	82 097 12 22	G	82/097	E=35,C=110,B=28	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16711	L L O	105 00	82 097 12 54	G	82/097	E=4X,C=140,B=37	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16856	L L O	030 00	82 119 10 36	G	82/119	E=1-2X,C=40,B=25	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13103	L L O	020 00	82 119 11 11	G	82/119	E=73,C=45,B=25	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16857	L L O	100 00	82 119 11 41	G	82/119	E=5X,C=85,B=45	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13104	L L O	020 00	82 119 13 26	G	82/119	E=80,C=87,B=28	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16938	L L O	110 00	82 129 09 11	G	82/131	E=6X,C=90,B=38	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16938	L S O	015 00	82 129 11 07	G	82/131	C=45,B=38	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13208	L L O	025 00	82 129 11 26	G	82/131	E=114,C=100,B=35	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13235	L L O	023 00	82 133 09 56	G	82/216	E=70,C=90,B=26	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 16949	L L O	090 00	82 133 10 24	G	82/134	E=1.5X,C=70,B=37	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13298	L L O	025 00	82 143 10 33	G	82/144	E=117,C=90,B=27	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 17021	L L O	100 00	82 143 11 28	G	82/144	E=1.5X,C=80,B=33	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	LWR 13346	L L O	025 00	82 150 08 35	G	82/153	E=68,C=90,B=30	
AR PAV	CBEAC	18 15 24.5	-66 06 15	10.0		MO WD	57	SWP 17070	L L O	090 00	82 150 09 04	G	82/153	E=2-3X,C=68,B=33	
NGC	6611	NAERD	18 15 59.5	-13 50 13	0.2			72	SWP 16973	L L O	300 00	82 136 09 15	G	82/137	E=94,C=83,B=66
NGC	6611	NAERD	18 15 59.5	-13 50 13		EO.80	H2	72	LWR 13251	L L O	150 00	82 136 14 19	G	82/137	C=105,B=55
NGC	6611	NAERD	18 15 59.5	-13 15 14		EO.4	H2	72	FES 1360	D 2	160 00	82 136 15 59	G	82/137	NO COMMENTS
HD168183	EM221	18 16 08.0	-14 01 00	8.3			23	SWP 18155	H L O	150 00	82 272 16 32	V	/	* 501	
HD168183	EM221	18 16 08.0	-14 01 00	8.3			23	LWR 14295	H L O	85 00	82 272 19 05	V	/	* 503 4-MIN-HTR	
HD168206	E1087	18 16 20.0	-11 39 00	9.4			20	SWP 18190	L L O	20 00	82 275 19 46	V	/	* 501	
HD168206	E1087	18 16 20.0	-11 39 00	9.4			20	LWR 14319	L L O	8 00	82 275 20 18	V	/	* 501 4-MIN-HTR	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			* 10	SWP 17857	L L O	20 00	82 249 16 14	V	/	* 451	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			* 10	LWR 14101	L L O	8 00	82 249 16 37	V	/	* 502 4-MIN-HTR, MN=76	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	SWP 17898	L L O	20 00	82 252 16 36	V	/	* 550	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	LWR 14134	L L O	8 00	82 252 17 03	V	/	* 602 4-MIN-HTR, MN=77	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	SWP 17937	L L O	20 00	82 255 18 39	V	/	* 550	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	LWR 14158	L L O	8 00	82 255 19 02	V	/	* 502 4-MIN-HTR	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	SWP 17965	L L O	20 00	82 258 16 16	V	/	* 551	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	LWR 14183	L L O	8 00	82 258 16 39	V	/	* 502 MN=275	
HD168206	E1273	18 16 20.0	-11 29 00	9.4			10	LWR 14205	L L O	8 00	82 261 18 22	V	/	* 501 4-MIN-HTR	
HD168206	E1273	18 16 20.0	-11 29 00	9.4			10	SWP 18013	L L O	20 00	82 261 18 43	V	/	* 560	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			16	LWR 14227	L L O	8 00	82 264 18 24	V	/	* 502 MN=530	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			16	SWP 18053	L L O	20 00	82 264 18 46	V	/	* 450	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			16	LWR 14228	L L O	8 00	82 264 19 14	V	/	* 502 4-MIN-HTR, MN=87	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	SWP 18098	L L O	20 00	82 267 19 55	V	/	* 501	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	LWR 14248	L L O	8 00	82 267 20 18	V	/	* 501 MN=775	
HD168206	E1273	18 16 20.0	-11 39 00	9.4			10	SWP 18134	L L O	20 00	82 270 16 27	V	/	* 450	

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXP TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
	HD168206	EI273	18 16 20.0	-11 39 00	9.4						10 LWR 14276	L L 0	8 00	82 270	16 51	V /	* 503 4-MIN-HTR, MN=65				
	HD168206	EI273	18 16 20.0	-11 39 00	9.4						10 SWP 18162	L L 0	20 00	82 273	16 47	V /	* 451				
	HD168206	EI273	18 16 20.0	-11 39 00	9.4						10 LWR 14302	L L 0	8 00	82 273	17 11	V /	* 502 4-MIN-HTR				
HD	168905	MLEPB	18 20 40.0	-44 08 14	5.2		B2	V			20 SWP 19348	H L 0	002 00	83 059	02 41	G 83/060*	C=180,B=36				
	K1 16	NPEJK	18 21 35.2	+64 20 29	0.0		0	SD			70 SWP 18639	L L 0	010 00	82 327	21 36	G 82/328*	C=100,B=15				
	K1 16	NPEJK	18 21 35.2	+64 20 29	0.0		0	SD			70 SWP 18640	L L 0	060 00	82 327	22 13	G 82/328*	C=2X,B=23				
	K1 16	NPEJK	18 21 35.3	+64 20 30	0.0		0	SD			70 SWP 17234	L L 0	020 00	82 167	16 57	G 82/167	B=95				
	K1 16	NPEJK	18 21 35.3	+64 20 30	0.0		0	SD			70 SWP 17235	L L 0	020 00	82 167	18 04	G 82/168	C=215,B=132				
	K1 16	NPEJK	18 21 35.3	+64 20 30	0.0		0	SD			70 LWR 13501	L L 0	035 00	82 167	18 27	G 82/168	C=255,B=145				
	K1 16	NPEJK	18 21 35.3	+64 20 30	0.0		0	SD			70 SWP 18638	L L 0	010 00	82 327	20 33	G 82/328*	B=18				
	GD378	HEEGW	18 22 01.0	+41 02 12	14.4		B	WD			29 LWR 15578	L L 0	065 00	83 084	17 11	G 83/087*	C=180,B=35				
	GD378	HEEGW	18 22 01.0	+41 02 12	14.4		B	WD			29 SWP 19549	L L 0	076 00	83 085	17 03	G 83/087*	C=115,B=23				
	HD169515	EI151	18 22 43.0	-12 43 00	9.0						23 LWR 13636	L L 0	20 00	82 189	22 07	V /	* 603				
	HD169515	EI151	18 22 43.0	-12 43 00	9.0						23 SWP 17386	L L 0	60 00	82 189	23 32	V /	* 402				
	HD169515	EI151	18 22 43.0	-12 43 00	9.3						23 LWR 13658	L L 0	30 00	82 192	21 14	V /	* 602				
	HD169515	EI151	18 22 43.0	-12 43 00	9.3						23 SWP 17408	L L 0	105 00	82 192	21 48	V /	* 441				
	HD169515	EI151	18 22 43.0	-12 43 00	9.3						23 LWR 13659	L L 0	30 00	82 192	23 36	V /	* 602				
	HD169515	EI273	18 22 43.0	-12 43 00	8.8						27 SWP 18099	L L 0	60 00	82 267	21 02	V /	* 501				
	HD169515	EI273	18 22 43.0	-12 43 00	99.9						27 LWR 14249	L L 0	20 00	82 267	22 05	V /	* 601				
	AW HER	RSERP	18 23 27.0	+18 15 50	9.5			K2			39 LWR 13744	L L 0	130 00	82 203	04 36	G 82/203	C=2X,B=40				
HD	170756	CDESB	18 28 09.0	+21 49 53	7.5		FO	IB			53 LWR 14097	L L 0	030 00	82 249	00 32	G 82/250	C=160,B=26				
HD	170756	CDESB	18 28 09.0	+21 49 53	7.5		FO	IB			53 LWR 14097	L S 0	030 00	82 249	00 33	G 82/250	C=160,B=26				
HD	170756	CDESB	18 28 09.0	+21 49 53	7.7		FO	IB			53 LWR 14098	L L 0	300 00	82 249	01 35	G 82/250	C=7X,B=60				
HD	170756	CDESB	18 28 09.0	+21 49 53	7.00	EO.45	FO	IB			53 LWR 14355	L L 0	030 00	82 281	22 24	G 82/284*	C=2X,B=25				
HD	170756	CDESB	18 28 09.0	+21 49 53	7.00	EO.45	FO	IB			53 LWR 14356	L L 0	120 00	82 281	23 23	G 82/284*	C=10X,B=35				
HD	170756	CDESB	18 28 09.0	+21 49 53	0.3		FO	IB			53 LWR 14362	L L 0	060 00	82 282	12 44	G 82/284	C=4X,B=45				
	HD170740	EM261	18 28 39.0	-10 50 00	5.7						20 LWR 14427	H L 0	8 30	82 290	21 05	V /	* 402 4-MIN-HTR				
	HD170740	EM261	18 28 39.0	-10 50 00	5.7						20 SWP 18314	H L 0	22 00	82 290	21 25	V /	* 501				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.2						55 SWP 18323	L L 0	5 00	82 291	15 17	V /	* 300				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.2						55 LWR 14433	L L 0	5 00	82 291	15 26	V /	* 561 4-MIN-HTR				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.2						55 SWP 18324	L L 0	60 00	82 291	15 57	V /	* 791				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.2						55 LWR 14434	L L 0	20 00	82 291	17 02	V /	* 792 4-MIN-HTR				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.2						55 SWP 18325	L L 0	30 00	82 291	17 29	V /	* 550				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.5						55 SWP 18329	L L 0	40 00	82 292	15 10	V /	* 551				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.5						55 LWR 14441	L L 0	25 00	82 292	15 57	V /	* 792 4-MIN-HTR, MN=76				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.5						55 SWP 18330	L L 0	30 00	82 292	16 25	V /	* 451				
	NV SGR82	EI073	18 31 33.0	-26 28 00	9.5						55 LWR 14442	L L 0	6 00	82 292	16 58	V /	* 562 4-MIN-HTR				
	NVA SGR	EI073	18 31 33.0	-26 28 00	9.8						55 SWP 18439	L L 0	30 00	82 304	15 08	V /	* 450				
	NVA SGR	EI073	18 31 33.0	-26 28 00	9.8						55 LWR 14530	L L 0	30 00	82 304	15 42	V /	* 793 4-MIN-HTR				
	NVA SGR	EI073	18 31 33.0	-26 28 00	9.8						55 SWP 18440	L L 0	60 00	82 304	16 16	V /	* 560				



OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MIN	SEC	DEG							MIN	SEC	MIN	SE	YR			
NVA SGR	EIO73	18 31	33.0	-26 28	00	9.8			55	LWR	14531	L L 0	5 00	82 304	16 51	V /	* 562 4-MIN-HTR		
BY DRA	FSESB	18 32	44.6	+51 41		8.3		MO	48	LWR	13598	L L 0	023 00	82 184	19 18	G 82/187	E=2X,C=140,B=50		
	3C382	18 33	11.9	+32 39	19	0.0			84	SWP	17475	L L 0	405 00	82 205	05 04	G 82/208	E=164,C=113,B=80		
	3C 382	18 33	12.1	+32 39	15	14.7			86	SWP	17718	L L 0	170 00	82 230	07 07	G 82/230	E=67,C=60,B=40		
NGC 6626	EA170	18 33	18.0	-23 58	00	14.0			16	LWR	13102	L L 0	28 00	82 119	09 08	V /	002		
	3C382	18 33	21.1	+32 39	15	14.7			86	LWR	13974	L L 0	240 00	82 230	03 05	G 82/230	C=120,B=50		
HD	172028	18 35	22.4	-00 25	49	7.8		B3 II	24	LWR	13774	L L 0	010 00	82 206	18 38	G 82/208	C=5X,B=32		
HD	172028	18 35	22.4	-00 25	49	7.8		B3 II	24	LWR	13774	L S 0	003 00	82 206	19 08	G 82/208	C=170,B=32		
HD	172028	18 35	22.4	-00 25	49	7.8		B3 II	24	SWP	17488	L L 0	008 20	82 206	19 17	G 82/208	C=205,B=17		
HD	172028	18 35	22.4	-00 25	49	7.8		B3 II	24	SWP	17488	L S 0	008 20	82 206	19 41	G 82/208	C=160,B=17		
	X OPH	18 35	57.4	+08 47	19	5.9		M7 III	57	LWR	14480	L L 0	030 00	82 298	10 33	G 82/299*	E=107,C=95,B=33		
	X OPH	18 35	57.4	+08 47	19	5.9		M7 III	57	SWP	18388	L L 0	030 00	82 298	11 08	G 82/299*	B=33		
HD	172052	18 36	00.1	-23 13	39	0.1		F5 IB	41	LWR	15320	L L 0	007 00	83 049	02 59	G 83/053*	C=2X,B=55		
	BPM11668	18 37	36.0	-61 56	00	14.7		F WD	43	SWP	19531	L L 0	240 00	83 083	12 28	G 83/084*	C=100,B=42		
	BPM11668	18 37	36.0	-61 56	00	14.7		F WD	43	LWR	15569	L L 0	120 00	83 083	16 32	G 83/084*	C=220,B=111		
	NGC 6681	18 40	00.0	-32 21	00	6.2			83	LWR	13972	L L 0	90 00	82 229	18 45	V /	* 304 4-MIN-HTR-WM-UP		
	NGC 6681	18 40	00.0	-32 21	00	6.2			83	SWP	17717	L L 0	327 00	82 229	20 20	V /	* 302		
	NGC 6681	18 40	00.0	-32 21	00	6.2			83	LWR	13973	L L 0	280 00	82 229	20 50	V /	* 207 SERENDIPITY,4-M-		
HD	172991	18 41	28.7	-39 44	17	5.48			39	LWR	14448	L L 0	000 30	82 293	10 45	G 82/293*	C=211,B=25		
HD	172991	18 41	28.7	-39 44	17	5.48			39	SWP	18337	L T 0	000 48	82 293	10 49	G 82/293*	C=186,B=19		
	MV SGR	18 41	33.0	-21 00	00	13.0			52	LWR	13258	L L 0	60 00	82 138	01 40	V /	433 4-MIN-HTR-WM-UP		
BD	+07 3832	18 43	21.0	+07 10		9.9		F3 IB	39	LWR	14041	L L 0	020 00	82 241	03 18	G 82/242	E=120,C=80,B=25		
BD	+07 3832	18 43	21.0	+07 10		9.9		F3 IB	39	SWP	17798	L L 0	060 00	82 241	03 45	G 82/242	E=47,C=62,B=22		
HD	173764	18 44	31.2	-04 48	11	0.4		B8 V	39	LWR	13561	H L 0	019 00	82 177	21 30	G 82/179	E=88,C=110,B=26		
HD	173764	18 44	31.2	-04 48	11	0.4		B8 V	39	LWR	14028	H L 0	060 00	82 240	02 28	G 82/242	E=239,C=255,B=42		
HD	173819	18 44	48.6	-05 45	36	5.20	EO.40	G2 IB	53	LWR	14358	L L 0	300 00	82 282	03 07	G 82/284	C=10X,B=80		
HD	173819	18 44	48.7	-05 45	37	5.1		G0 IB	53	LWR	14099	L L 0	045 00	82 249	07 28	G 82/250	C=1.5X,B=30		
HD	173819	18 44	48.7	-05 45	37	1.4		G0 IB	53	LWR	14100	L L 0	410 00	82 249	08 52	G 82/250	C=9X,B=75		
HD	173819	18 44	48.7	-05 45	37	5.20	EO.40	G2 IB	53	LWR	14357	L L 0	030 00	82 282	02 07	G 82/284*	C=2X,B=25		
HD	173787	18 44	54.0	-20 20		7.2		B3 V	39	SWP	17772	H L 0	180 00	82 238	06 43	G 82/238	C=170,B=83		
	3C390.3	18 45	37.8	+79 43	03	14.5			86	SWP	18501	L L 0	210 00	82 311	20 33	G 82/312*	E=154,B=42		
	3C390.3	18 45	38.5	+79 43	02	0.0			84	SWP	17491	L L 0	380 00	82 207	05 00	G 82/208	E=210,C=120,B=120		
	3C390.3	18 45	38.5	+79 43	02	0.0			84	SWP	19569	L L 0	432 00	83 087	11 07	G 83/088*	E=208,C=120,B=90		
HD	173948	18 47	35.4	-62 14	51	6.04		B5 V	60	LWR	13829	H L 0	000 29	82 213	14 28	G 82/215	C=180,B=30		
HD	173948	18 47	35.4	-62 14	51	6.04		B5 V	60	SWP	17552	H L 0	001 04	82 213	14 32	G 82/215	C=230,B=42		
HD	174638	18 48	14.0	+33 18		3.4		B8 II	39	LWR	14012	H L 0	001 40	82 238	02 37	G 82/238	C=1.5X,B=35		
HD	174638	18 48	14.0	+33 18		3.4		B8 II	39	SWP	17769	H L 0	001 10	82 238	02 42	G 82/238	E=210,C=1.5X,B=35		
	U1849-31	18 51	49.0	-31 14	00	13.2			* 59	SWP	17854	L L 0	40 00	82 248	19 20	V /	* 341		
	U1849-31	18 51	49.0	-31 14	00	13.2			* 59	LWR	14095	L L 0	50 00	82 248	20 04	V /	* 453 4-MIN-HTR		
	U1849-31	18 51	49.0	-31 14	00	13.2			* 59	SWP	17855	L L 0	50 00	82 248	20 57	V /	* 351		

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN SC								YR	DAY	HR MN			
	U1849-31	EIO60	18 51 49.0	-31 14 00	13.2							55 00	82 248 21 51	V / *	553 4--MIN-HTR		
	U1849-31	EIO60	18 51 49.0	-31 14 00	13.2							57 00	82 248 22 49	V / *	351		
HD	175492	CBESP	18 52 38.2	+22 34 50	1.1	AO	V	39	LWR	13197	H L O	035 00	82 128 10 40	G 82/130	C=260,B=40		
HD	175492	CBESP	18 52 38.2	+22 34 50	1.1	AO	V	39	SWP	16928	L S O	001 40	82 128 11 18	G 82/131	C=180,B=16		
HD	175492	CBESP	18 52 38.2	+22 34 50	1.1	AO	V	39	SWP	16928	L T O	003 05	82 128 11 24	G 82/131	C=180,B=16		
HD	175492	CBESP	18 52 38.2	+22 34 50	1.1	AO	V	39	LWR	14029	H L O	035 00	82 240 04 16	G 82/242	=255,B=40		
HD	175742	RSETS	18 53 47.2	+23 29 40	8.0	K5		46	SWP	18548	L L O	120 00	82 317 22 31	G 82/320*	E=63,C=40,B=30		
HD	176232	APEWW	18 56 29.0	+13 50 17	5.9	A3	V	36	LWR	14524	H L O	015 00	82 304 06 36	G 82/306*	C=150,B=30		
HD	176232	APEWW	18 56 29.0	+13 50 17	5.9	A3	V	36	SWP	18435	H L O	024 00	82 304 06 57	G 82/306*	C=80,B=30		
	LS140109	HSEJD	18 56 48.9	-14 30 23	11.1	AO	IB	27	LWR	13322	L L O	060 00	82 146 20 24	G 82/147	C=170,B=35		
	LS140109	HSEJD	18 56 48.9	-14 30 23	11.1	AO	IB	27	SWP	17052	L L O	138 00	82 146 21 31	G 82/147	C=80,B=46		
HD	176411	HCETA	18 57 21.0	+14 59 56	4.1	K2	III	39	SWP	16849	L L O	013 00	82 118 18 58	G 82/119	B=22		
HD	176269	PMEJL	18 57 40.5	-37 07 53	6.8	B8	V	22	SWP	18245	L T O	007 00	82 283 11 55	G 82/286*	C=6X,B=20		
	A 51	EA137	18 58 06.0	-18 17 00	15.4			70	SWP	16935	L L O	120 00	82 129 00 51	V /	401		
	LSE263	HSEJD	18 58 16.9	-51 34 24	11.6	O4	SD	16	LWR	13321	L L O	004 00	82 146 19 10	G 82/147	C=200,B=28		
	LSE263	HSEJD	18 58 16.9	-51 34 24	11.6	O4	SD	16	SWP	17051	L L O	002 00	82 146 19 24	G 82/147	C=150,B=17		
	LSE263	HSEJD	18 58 16.9	-51 34 24	11.6	O4	SD	16	SWP	18056	H L O	160 00	82 265 02 37	G 82/265	C=177,B=59		
HD	177756	MLEPB	19 03 35.7	-04 57 33	3.4	B9	V	22	SWP	18018	H L O	002 00	82 262 08 59	G 82/263	C=1.2X,B=44		
HD	178175	MLEPB	19 05 20.3	-19 22 12	5.54	B2	V	26	SWP	18002	H L O	005 00	82 261 11 07	G 82/263	C=220,B=40		
HD	178175	MLEPB	19 05 20.3	-19 22 12	5.54	B2	V	26	SWP	18019	H L O	004 45	82 262 09 32	G 82/263	C=205,B=38		
HD	178175	MLEPB	19 05 20.4	-19 22 13	5.5	B2	V	26	SWP	19332	H L O	004 45	83 058 00 17	G 83/060*	C=210,B=41		
HD	178175	OD92B	19 05 20.4	-19 22 13	5.5	B2	V	26	SWP	18365	H L O	004 45	82 295 13 39	G 82/298*	C=208,B=38		
NGC	6752	EA068	19 05 42.0	-60 02 00	15.8			80	SWP	17053	L L O	043 00	82 147 00 55	V /	303		
NGC	6752	EPEJC	19 06 24.0	-60 04 00	11.0	F5		83	SWP	19393	L L O	030 00	83 064 01 24	G 83/066*	C=200,B=160		
NGC	6752	EPEJC	19 06 24.0	-60 04 00	11.0	F5		83	SWP	19406	L L O	100 00	83 065 23 12	G 83/066*	C=128,B=82		
NGC	6752	EPEJC	19 06 24.0	-60 04 00	11.0	F5		83	LWR	15435	L L O	060 00	83 066 00 58	G 83/066*	C=150,B=42		
RC	3781	EE102	19 07 05.0	-60 08 00	17.0			83	SWP	17444	L L O	048 00	82 199 20 49	V / *	402		
HD	180028	SGEBM	19 12 17.6	+05 57 38	6.9	F6	IB	41	LWR	15316	L L O	015 00	83 048 22 24	G 83/052*	C=3X,B=60		
	K3-27	NPEJK	19 12 30.8	+28 35 26	14.8			70	SWP	17729	L L O	080 00	82 233 10 30	G 82/235	E=89,C=60,B=40		
	W AQL	ZAELW	19 12 41.6	-07 08 07	7.8	M4	III	57	LWR	14478	L L O	030 00	82 298 06 35	G 82/299*	B=30		
	W AQL	ZAELW	19 12 41.6	-07 08 07	7.8	M4	III	57	SWP	18386	L L O	060 00	82 298 07 10	G 82/299*	B=20		
	RY SGR	HEEAH	19 13 16.9	-33 36 41	8.9	GO	IB	52	FES	1379	D 2	160 00	82 281 18 08	G 82/285	NO COMMENTS		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	8.9	GO	IB	52	LWR	14354	L L O	021 00	82 281 18 17	G 82/285	C=195,B=47		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	6.2	GO	IB	52	LWR	14551	L L O	060 00	82 306 20 54	G 82/307*	C=180,B=30		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	6.2	GO	IB	52	LWR	14552	L L O	033 00	82 306 22 20	G 82/307*	C=4X,B=50		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	07.7	GO	IB	52	LWR	15562	L L O	012 00	83 082 19 35	G 83/083*	C=210,B=47		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	07.7	GO	IB	52	SWP	19523	L L O	025 00	83 082 19 53	G 83/083*	COM C=160,B=128		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	07.7	GO	IB	52	LWR	15563	L L O	048 00	83 082 20 23	G 83/083*	C=4X,B=122		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	07.7	GO	IB	52	SWP	19524	L L O	025 00	83 082 21 15	G 83/083*	C=143,B=115		
	RY SGR	RCEAH	19 13 16.9	-33 36 41	07.7	GO	IB	52	LWR	15564	L L O	044 00	83 082 21 47	G 83/083*	C=4X,B=120		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN			
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 LWR	15619	L L 0	009 00	83 089	19 27	G 83/090*	C=200,B=28										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 SWP	19588	L L 0	025 00	83 089	19 41	G 83/090*	C=90,B=50										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 LWR	15620	L L 0	045 00	83 089	20 11	G 83/090*	C=5X,B=50										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 SWP	19589	L L 0	025 00	83 089	21 01	G 83/090*	C=85,B=48										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 LWR	15621	L L 0	045 00	83 089	21 32	G 83/090*	C=5X,B=62										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 SWP	19590	L L 0	030 00	83 089	22 22	G 83/090*	C=120,B=80										
RY SGR RCEAH	19 13 16.9	-33 36 41	+7.4	GO IB	52 LWR	15622	L L 0	045 00	83 089	22 57	G 83/090*	C=5X,B=122										
RY SGR RCEAH	19 13 16.9	-33 36 41	6.2	GO IB	52 SWP	19591	L L 0	025 00	83 090	01 04	G 83/090*	C=80,B=50										
RY SGR RCEAH	19 13 16.9	-33 36 41	6.2	GO IB	52 LWR	15624	L L 0	045 00	83 090	01 34	G 83/090*	C=5X,B=35										
HD180093	EC228	19 13 17.0	-33 37 00	11.4	52 LWR	13259	L L 0	120 00	82 138	03 49	V /	344 4-MIN-HTR-WM-UP										
T SGR ZAELW	19 13 21.5	-17 03 45	7.7	M III	57 LWR	14465	L L 0	030 00	82 296	07 07	G 82/298*	E=99,C=89,B=40										
T SGR ZAELW	19 13 21.5	-17 03 45	7.7	M III	57 SWP	18370	H L 0	060 00	82 296	07 42	G 82/298*	B=135										
FO AQL CVEPS	19 14 04.7	+00 02 12	15.5	54 SWP	18636	L L 0	028 00	82 327	11 22	G 82/327*	E=34,C=40,B=26											
HD 180968	OD92B	19 15 36.5	+22 56 02	5.3	EO.02 B1	26 SWP	19258	H L 0	004 50	83 046	05 28	G 83/047*	C=170,B=30									
HD 180968	MLEPB	19 15 36.6	+22 56 03	5.3	B1 IV	20 SWP	18000	H L 0	007 00	82 261	09 39	G 82/263	C=225,B=40									
HD 180968	MLEPB	19 15 36.6	+22 56 03	5.3	B1 IV	20 SWP	19330	H L 0	006 30	83 057	22 41	G 83/060*	C=220,B=50									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 SWP	18364	H L 0	006 30	82 295	12 57	G 82/298*	C=216,B=38									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 SWP	18680	H L 0	006 30	82 332	10 21	G 82/334*	C=220,B=40									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 LWR	14742	H L 0	004 50	82 332	11 17	G 82/334*	C=1.5X,B=35									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 SWP	18814	H L 0	006 30	82 352	02 51	G 82/354*	C=205,B=35									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 SWP	19115	H L 0	006 30	83 029	00 42	G 83/031*	C=200,B=36									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 LWR	15141	H L 0	003 30	83 029	00 54	G 83/031*	C=200,B=33									
HD 180968	OD92B	19 15 36.6	+22 56 03	5.3	B1 IV	26 SWP	19116	H L 0	007 00	83 029	01 26	G 83/031*	C=205,B=37									
E141-G55	GHEDY	19 16 56.9	-58 45 51	13.0	BO V	84 LWP	1697	H L 0	960 00	82 300	22 55	G 82/302*	E=194,C=190,B=125									
E141-G55	EE253	19 16 57.0	-58 45 00	13.5	84 SWP	18455	L L 0	60 00	82 306	12 56	V /	* 340										
141-G55	EE255	19 16 57.0	-58 46 00	13.7	84 LWP	1708	L L 0	50 00	82 312	16 05	V /	* 452										
141-G55	EE255	19 16 57.0	-58 46 00	13.7	84 SWP	18507	L L 0	50 00	82 312	17 00	V /	* 341										
E141-G55	EE257	19 16 57.0	-58 46 00	13.9	84 LWP	1631	L L 0	50 00	82 219	19 14	V /	* 453										
E141-G55	EE257	19 16 57.0	-58 46 00	13.9	84 SWP	17622	L L 0	60 00	82 219	20 08	V /	* 231										
E141-G55	EE257	19 16 57.0	-58 46 00	13.9	84 LWP	1632	L L 0	50 00	82 219	21 12	V /	* 451										
E141-G55	GHEDY	19 16 57.0	-58 45 52	13.0	BO V	84 SWP	16788	L L 0	065 00	82 108	17 55	G 82/109	E=161,C=107,B=43									
E141-G55	GHEDY	19 16 57.0	-58 45 52	13.0	BO V	84 LWR	13043	L L 0	095 00	82 109	16 14	G 82/109	E=1.3X,C=210,B=49									
E141-G55	GHEDY	19 16 57.0	-58 45 52	13.0	BO V	84 LWP	1699	H L 0	830 00	82 301	14 18	G 82/302*	E=205,C=150,B=100									
E141-G55	GHEDY	19 16 57.0	-58 45 52	13.0	BO V	84 SWP	18434	H L 0	854 00	82 303	22 56	G 82/305*	E=110,C=250,B=155									
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 SWP	18091	L L 0	035 00	82 267	10 02	G 82/267	E=230,C=230,B=190										
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 SWP	18095	L L 0	028 00	82 267	15 23	G 82/267	E=84,C=65,B=32										
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 LWR	14333	L L 0	022 00	82 277	11 41	G 82/277	E=146,C=125,B=73										
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 SWP	18241	L L 0	075 00	82 281	12 30	G 82/285	E=219,C=140,B=65										
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 SWP	18383	L L 0	060 00	82 297	12 47	G 82/299*	E=172,C=85,B=30										
E141-G55	QSEMG	19 16 57.0	-58 45 52	14.1	84 SWP	18461	L L 0	055 00	82 307	09 46	G 82/307*	E=200,C=170,B=120										

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
E141-G55	QSEMG	19 16	57.0	-58 45 52	14.1						84 LWR 14553	L L O	030 00	82 307	10 32	G 82/307*	E=160,C=130,B=55				
HD 181470	APEWW	19 17	15.0	+37 21 07	6.2		AO	III			32 LWR 14519	H L O	040 00	82 303	05 52	G 82/305*	C=2-3X,B=45				
HD 181470	APEWW	19 17	15.0	+37 21 07	6.2		AO	III			32 SWP 18429	H L O	027 00	82 303	06 37	G 82/305*	C=180,B=35				
OOHH-32A	HHEKB	19 18	07.8	+10 56 20	16.5	EO.69					19 LWR 13004	L L O	414 00	82 101	10 54	G 82/102	E=140,C=65,B=65				
OAS-353A	HHEKB	19 18	09.3	+10 56 15	12.5						58 SWP 16731	L L O	360 00	82 099	10 40	G 82/101	E=106,C=80,B=52				
HD 181809	RSETS	19 19	42.8	-20 44 17	6.7		K1	III			47 LWR 13550	H L O	025 00	82 174	15 18	G 82/174	E=107,C=70,B=30				
HD 181809	RSETS	19 19	42.8	-20 44 17	6.7						47 SWP 18547	L L O	075 00	82 317	20 40	G 82/320*	E=64,C=40,B=30				
HD 182255	RPSTD	19 20	47.8	+26 09 54	5.19	EO.02	B6	III			25 SWP 19291	L T O	000 09	83 049	22 54	G 83/053*	C=180,B=30				
HD 182255	RPSTD	19 20	47.8	+26 09 54	5.19	EO.02	B6	III			25 LWR 15325	L T O	000 09	83 049	23 02	G 83/053*	C=215,B=32				
NOVA AQU	ET000	19 20	50.0	+02 24 00	12.8						55 SWP 17330	L L O	240 00	82 181	23 13	V /	* 452				
NOVA AQU	ET000	19 20	50.0	+02 24 00	12.8						55 LWR 13579	L L O	105 00	82 182	03 18	V /	* 433				
NVA AQU	VILSP	19 20	50.0	-02 24 00	13.0						55 SWP 16729	L L O	180 00	82 099	02 52	V /	242				
NVA AQU	VILSP	19 20	50.0	-02 24 00	13.0						55 LWR 12990	L L O	120 00	82 099	06 10	V /	340				
NVA AQU	VILSP	19 20	50.0	-02 24 00	13.0						55 SWP 16730	L L O	84 00	82 099	08 13	V /	231				
NVA AQU	VILSP	19 20	50.0	+02 24 00	13.0						55 SWP 16811	L L O	240 00	82 112	02 44	V /	151				
NVA AQU	VILSP	19 20	50.0	+02 24 00	13.0						55 LWR 13063	L L O	167 00	82 112	06 56	V /	105				
NOVA AQL	VILSP	19 20	50.0	+02 24 00	12.8						55 SWP 17008	L L O	240 00	82 141	01 16	V /	352				
NOVA AQL	VILSP	19 20	50.0	+02 24 00	12.8						55 LWR 13286	L L O	142 00	82 141	05 21	V /	504				
HD 182274	HCEHB	19 21	00.7	+19 16 45	7.8		F8	V			41 LWR 13261	L L O	002 00	82 138	08 57	G 82/138	C=135,B=22				
HD 182274	HCEHB	19 21	00.7	+19 16 45	7.8		F8	V			41 SWP 16980	L L O	090 00	82 138	09 04	G 82/138	C=210,B=36				
OV -236	BLEAG	19 21	42.2	-29 20 27	17.0						87 LWR 14445	L L O	155 00	82 292	23 07	G 82/293*	C=90,B=45				
U AQL	HCEEB	19 26	39.4	-07 08 59	7.5	EO.50	F8	II			53 SWP 16732	L L O	039 00	82 099	17 10	G 82/101	E=138,C=120,B=80				
HD 183656	OD88B	19 28	02.9	+03 20 19	6.04		B5	V			60 SWP 17550	H L O	013 00	82 213	11 48	G 82/215	C=180,B=50				
HD 183656	OD88B	19 28	02.9	+03 20 19	6.04		B5	V			60 LWR 13827	H L O	007 10	82 213	12 07	G 82/215	C=180,B=35				
HD 183656	OD88B	19 28	02.9	+03 20 19	6.04		B5	V			60 SWP 17551	L L O	000 10	82 213	13 02	G 82/215	C=125,B=25				
HD 183656	OD88B	19 28	02.9	+03 20 19	6.04		B5	V			60 LWR 13828	L L O	000 07	82 213	13 05	G 82/215	C=150,B=29				
HD184279	EA166	19 31	07.0	+03 39 00	6.9						26 LWR 14076	H L O	20 00	82 245	17 51	V /	* 612 4-MIN-HTR				
HD184279	EA166	19 31	07.0	+03 39 00	6.9						26 SWP 17840	H L O	26 00	82 245	18 22	V /	* 511				
HD 184279	MLERH	19 31	07.2	+03 39 08	7.0		B1	IV			60 SWP 18118	H L O	025 00	82 269	14 14	G 82/271	C=190,B=35				
HD 184279	MLERH	19 31	07.2	+03 39 08	7.0		B1	IV			60 LWR 14270	H L O	025 00	82 269	14 44	G 82/271	E=240,C=1.5X,B=38				
HD 184279	MLERH	19 31	07.2	+03 39 08	7.0		B1	IV			60 SWP 18119	H L O	030 00	82 269	15 17	G 82/271	C=210,B=35				
HD 184279	MLERH	19 31	07.2	+03 39 08	7.0		B1	IV			60 LWR 14284	H L O	020 00	82 271	14 31	G 82/272	C=30XX,B=40				
HD 184279	MLERH	19 31	07.2	+03 39 08	7.0		B1	IV			60 SWP 18144	H L O	030 00	82 271	15 06	G 82/272	C=220,B=40				
HD 184927	NSERF	19 33	35.2	+31 09 53	7.7		B1				20 SWP 16722	H S O	025 00	82 098	18 02	G 82/099	C=222,B=85				
HD 184927	NSERF	19 33	35.2	+31 09 53	7.7		B1				20 LWR 12984	H S O	022 00	82 098	18 44	G 82/099	C=235,B=65				
HD 184927	NSERF	19 33	35.2	+31 09 53	7.7		B1				20 SWP 16723	H L O	020 00	82 098	19 14	G 82/099	C=2X,B=88				
HD 184927	NSERF	19 33	35.2	+31 09 53	7.7		B1				20 LWR 12985	H L O	015 00	82 098	19 54	G 82/099	C=2X,B=57				
HD 184927	NSERF	19 33	35.2	+31 09 53	7.7		B1				20 SWP 16724	H L O	025 00	82 098	20 25	G 82/099	C=3-4X,B=90				
HD184915	EM261	19 34	12.0	-07 08 00	5.0						23 SWP 18311	H L O	3 20	82 290	18 59	V /	* 501				
HD 185151	RSETS	19 34	41.0	+27 46 18	7.7		KO	III			47 LWR 13547	H L O	045 00	82 173	21 00	G 82/174	E=65,C=70,B=30				

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
HD	185330	BPEJJ	19 35	11.1	+38 16 14	6.5	B3 III	27 SWP	18986	H L O	010 00	83 011	07 11	G	83/011*	C=180,B=35					
HD	185330	BPEJJ	19 35	11.1	+38 16 14	6.5	B3 III	27 LWR	15037	H L O	006 00	83 011	07 34	G	83/011*	C=165,B=32					
HD	185330	BPEJJ	19 35	11.1	+38 16 14	6.5	B3 III	27 LWR	15044	H L O	008 00	83 012	07 28	G	83/012*	C=195,B=33					
HD	185330	BPEJJ	19 35	11.1	+38 16 14	6.5	B3 III	27 SWP	18992	H L O	011 00	83 012	07 40	G	83/012*	C=190,B=35					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 LWR	13755	L T O	000 22	82 204	12 48	G	82/204	C=100,B=33					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 LWR	13755	L S O	000 03	82 204	12 59	G	82/204	C=70,B=33					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 SWP	17468	L T O	000 11	82 204	13 05	G	82/204	C=46,B=19					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 LWR	13756	L T O	003 06	82 204	13 41	G	82/204	C=2X,B=40					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 LWR	13756	L S O	000 35	82 204	14 16	G	82/204	C=150,B=37					
HD	185418	IEETS	19 36	12.5	+17 08 33	7.5	B0 V	20 SWP	17469	L T O	000 33	82 204	14 45	G	82/207	C=80,B=19					
	EM CYG	CVEFC	19 36	41.8	+30 23 33	14.0		54 SWP	17618	L L O	045 00	82 219	11 22	G	82/221	E=142,C=165,B=25					
	EM CYG	CVEFC	19 36	41.8	+30 23 33	14.0		54 LWR	13885	L L O	030 00	82 219	12 12	G	82/221	C=160,B=30					
	EM CYG	CVEFC	19 36	41.9	+30 23 33	14.0		54 LWR	13862	L L O	025 00	82 217	02 40	G	82/217	C=80,B=33					
	EM CYG	CVEFC	19 36	41.9	+30 23 33	14.0		54 SWP	17591	L L O	025 00	82 217	03 11	G	82/217	E=65,C=45,B=27					
	EM CYG	CVEFC	19 36	41.9	+30 23 33	14.0		54 LWR	13863	L L O	040 00	82 217	03 44	G	82/217	E=138,C=100,B=32					
	EM CYG	CVEFC	19 36	41.9	+30 23 33	14.0		54 SWP	17592	L M O	040 00	82 217	04 34	G	82/217	E=54,C=55,B=23					
	EM CYG	EIO94	19 36	42.0	+30 24 00	15.0		54 SWP	17634	L L O	124 00	82 220	23 33	V	/	* 791					
HD	185510	RSETS	19 36	58.4	-06 10 45	8.5	K0 III	47 LWR	14637	L M O	005 00	82 319	20 32	G	82/320*	E=68,C=60,B=30					
HD	185510	RSETS	19 36	58.4	-06 10 45	8.5	K0 III	47 SWP	18561	L L O	150 00	82 319	20 48	G	82/320*	C=5X,B=35					
HD	185510	RSETS	19 36	58.4	-06 10 45	8.5	K0 III	47 SWP	18563	L L O	015 00	82 320	02 07	G	82/320*	C=150,B=20					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 SWP	16752	L L O	15 00	82 103	03 01	V	/	260					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 LWR	13012	L L O	20 00	82 103	03 19	V	/	363 4-MIN-HTR-WM-UP					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 LWR	13012	L S O	5 00	82 103	03 53	V	/	233 4-MIN-HTR-WM-UP					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 SWP	16753	L L O	75 00	82 103	04 01	V	/	380					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 LWR	13013	L L O	60 00	82 103	05 19	V	/	483 4-MIN-HTR-WM-UP					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 SWP	16754	H L O	50 00	82 103	06 25	V	/	130					
HM	SGE	EI127	19 39	41.0	+16 38 00	11.0		57 LWR	13014	H L O	128 00	82 103	07 35	V	/	264 4-MIN-HTR-WM-UP					
	HMSG	NPEWF	19 39	41.0	+16 37 33		PN	70 SWP	16705	L L O	010 00	82 097	00 14	G	82/097	E=255,B=72					
	HMSG	NPEWF	19 39	41.0	+16 37 33		PN	70 LWR	12971	L L O	010 00	82 097	00 30	G	82/097	E=255,C=100,B=45					
	HMSG	NPEWF	19 39	41.0	+16 37 33			70 SWP	16706	L L O	050 00	82 097	00 56	G	82/097	E=5X,C=118,B=73					
HM	SGE	ZAEW	19 39	41.3	+16 37 32	11.5	M IB	57 SWP	18369	H L O	115 00	82 296	04 09	G	82/298*	E=2X,B=125					
II+18009	HSEJD	19 41	17.5	+18 17 24	12.1	O4 SD	16 SWP	18069	H L O	230 00	82 266	00 07	G	82/266	C=190,B=65						
SU	CYG	HCEEB	19 42	48.4	+29 08 34	6.9	F5 II	53 LWR	13316	H L O	115 00	82 145	21 55	G	82/146	C=160,B=45					
ABELL 65	NPEUK	19 43	34.3	-23 15 36	0.0	O SD	70 SWP	18641	L L O	165 00	82 327	23 59	G	82/328*	C=180,B=35						
HD	186791	CSELH	19 43	52.9	+10 29 24	2.6	K3 II	47 LWR	13339	H L O	015 00	82 149	15 26	G	82/152	E=255,C=120,B=60					
HD	186791	CSELH	19 43	52.9	+10 29 24	2.6	K3 II	47 SWP	17721	L L O	510 00	82 231	17 56	G	82/232	E=8X,C=2X,B=75					
HD	186791	CSELH	19 43	52.9	+10 29 24	2.6	K3 II	47 LWR	13984	H L O	020 00	82 232	02 33	G	82/232	C=65,B=25					
HD	186791	EC116	19 43	53.0	+10 29 00	2.6		47 SWP	18109	L L O	180 00	82 268	18 35	V	/	* 372					
CK	VULL	EIO75	19 45	35.0	+27 11 00	16.0		55 SWP	18586	L L O	160 00	82 322	13 16	V	/	* 002					
OO	AQL	EC206	19 45	48.0	+09 11 00	9.3		44 LWR	13609	L L O	36 00	82 186	03 07	V	/	* 502					

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR			
HD 187299	SGEBM	19 46 15.6	+24 53 02	7.1	G5	IAB	45 LWR 15315	L L O 015 00	83 048 21 29	G	83/052*	C=170,B=62									
CI CYG 0D89B	19 48 20.9	+35 33 24	10.5	M		57 SWP 18602	H L O 680 00	82 323 22 12	G	82/326*	E=4.OX,C=160,B=115										
CI CYG 0D89B	19 48 20.9	+35 33 24	10.5	M		57 LWR 14670	L L O 015 00	82 324 02 19	G	82/326*	E=128,C=65,B=30										
CI CYG 0D89B	19 48 20.9	+35 33 29	10.5	M		57 SWP 18603	L L O 015 00	82 324 02 53	G	82/326*	E=220,C=40,B=20										
HV 3625 ZAELW	19 48 20.9	+35 33 23	10.5	M		57 LWR 13537	L L O 015 00	82 172 15 09	G	82/173	E=137,C=85,B=32										
HV 3625 ZAELW	19 48 20.9	+35 33 23	10.5	M		57 SWP 17276	L L O 015 00	82 172 15 30	G	82/173	E=207,C=46,B=32										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 LWR 14044	L L O 015 00	82 241 10 17	G	82/243	E=91,C=66,B=25										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 LWR 14044	L S O 005 00	82 241 10 38	G	82/243	C=91,B=25										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 SWP 17801	L L O 015 00	82 241 10 50	G	82/243	E=169,B=17										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 SWP 17801	L S O 005 00	82 241 11 20	G	82/243	E=48,B=17										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 FES 1381	F 2 160 00	82 296 10 57	G	82/298*	NO COMMENTS										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 LWR 14467	L L O 015 00	82 296 11 06	G	82/298*	E=142,C=90,B=40										
HV 3625 ZAELW	19 48 21.0	+35 33 24	10.5	M5	III	57 SWP 18372	L L O 015 00	82 296 11 38	G	82/298*	E=211,B=50										
HD 187691	LDEDS	19 48 37.9	+10 17 21	5.1	F8	V	41 SWP 19469	L L O 240 00	83 075 11 38	G	83/076*	C=5X,B=40									
HD 187691	LDEDS	19 48 37.9	+10 17 21	5.1	F8	V	41 LWR 15503	H L O 030 00	83 075 19 32	G	83/076*	E=119,C=1.5X,B=80									
V1162AQL	HCEEB	19 49 35.0	-11 30 06	9.0	G5	II	53 SWP 17569	L L O 080 00	82 215 07 12	G	82/215	E=45,C=38,B=22									
AB DRA CVEFC	19 51 04.0	+77 36 43	15.0			54 SWP 17595	L L O 030 00	82 217 11 12	G	82/217	E=122,C=115,B=90										
AB DRA CVEFC	19 51 04.0	+77 36 43	15.0			54 LWR 13866	L L O 030 00	82 217 11 48	G	82/217	E=138,C=120,B=75										
AB DRA CVEFC	19 51 04.0	+77 36 43	15.0			54 SWP 17596	L L O 030 00	82 217 12 23	G	82/217	E=143,C=145,B=112										
AB DRA CVEFC	19 51 04.0	+77 36 43	15.0			54 SWP 17619	L L O 045 00	82 219 13 19	G	82/221	E=156,C=140,B=30										
AB DRA CVEFC	19 51 04.0	+77 36 43	15.0			54 LWR 13886	L L O 030 00	82 219 14 11	G	82/221	C=160,B=30										
AB DRA CVEFC	19 51 04.1	+77 36 44	15.0			54 SWP 17641	L L O 060 00	82 221 14 08	G	82/222	E=204,C=180,B=72										
LSEO21 HSEJD	19 52 38.7	-23 21 33	11.8		04	SD	16 LWR 13320	L L O 003 20	82 146 17 48	G	82/147	C=160,B=32									
LSEO21 HSEJD	19 52 38.7	-23 21 33	11.8		04	SD	16 SWP 17050	L L O 002 00	82 146 17 57	G	82/147	C=190,B=14									
LSEO21 HSEJD	19 52 38.7	-23 21 33	11.8		04	SD	16 SWP 18088	H L O 108 00	82 267 03 10	G	82/267	C=170,B=50									
EY CYG CVEHB	19 52 40.4	+32 13 09	15.0			63 SWP 17003	L L O 060 00	82 140 16 25	G	82/141	B=75										
HD 188512	LDERN	19 52 51.2	+06 16 48	3.7	E-.04	G8	IV	44 LWR 13350	H L O 008 00	82 150 16 16	G	82/153	E=127,C=160,B=58								
HD 188650	LGETS	19 52 58.6	+36 51 47	5.6		F8	II	41 SWP 18763	L L O 090 00	82 343 08 19	G	82/343*	E=50,C=130,B=40								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 SWP 17889	L S O 1 10	82 251 22 01	V	/	* 700								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 SWP 17889	L L O 16	82 251 22 04	V	/	* 500								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 SWP 17890	H L O 18	82 251 22 29	V	/	* 501								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 LWR 14128	L S O 16	82 251 22 56	V	/	* 502 4-MIN-HTR, MN=89								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 LWR 14128	L L O 16	82 251 22 59	V	/	* 700 4-MIN-HTR, MN=89								
HD188728	EA115	19 53 52.0	+11 17 00	5.2				36 LWR 14449	H L O 15	00 82 293 14 24	V	/	* 702 4-MIN-HTR								
V1016CYG	NPEWF	19 55 19.9	+39 41 23	10.5				70 LWR 13920	L L O 003 00	82 223 12 47	G	82/223	E=232,C=80,B=35								
V1016CYG	NPEWF	19 55 19.9	+39 41 23	10.5				70 SWP 17658	L L O 003 00	82 223 13 17	G	82/223	E=1X,C=90,B=25								
V1016CYG	EA024	19 55 20.0	+39 42 00	10.8				57 SWP 18668	L S O 2	00 82 331 12 54	V	/	* 151								
V1016CYG	EA024	19 55 20.0	+39 42 00	10.8				57 SWP 18668	L L O 7	00 82 331 12 59	V	/	* 271								
V1016CYG	EA024	19 55 20.0	+39 42 00	10.8				57 LWR 14733	L S O 3	00 82 331 13 20	V	/	* 341 4-MIN-HTR								
V1016CYG	EA024	19 55 20.0	+39 42 00	10.8				57 LWR 14733	L L O 25	00 82 331 13 28	V	/	* 571 4-MIN-HTR								

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MM	SEC	DEG							MM	SC	MIN	SE	YR			
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 SWP	18669	L L O	25 00	82 331	13 58	V /	* 382			
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 LWR	14734	H L O	25 00	82 331	14 29	V /	* 052	4-MIN-HTR		
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 SWP	18670	H L O	15 00	82 331	15 00	V /	* 151			
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 LWR	14735	H L O	85 00	82 331	15 30	V /	* 265	4-MIN-HTR		
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 SWP	18671	H L O	150 00	82 331	17 00	V /	* 272			
V1016CYG	EAO24	19 55	20.0	+39 42	00	10.8			57 LWR	14736	L L O	5 00	82 331	19 35	V /	* 361	4-MIN-HTR		
V1016CYG	NPEWF	19 55	20.0	+39 41	24			PN	70 SWP	16700	H S O	330 00	82 096	11 09	G 82/097	E=5-10X,C=160,B=78			
V1016CYG	NPEWF	19 55	20.0	+39 41	24			PN	70 LWR	12966	L L O	003 00	82 096	11 44	G 82/096	E=255,C=80,B=25			
V1016CYG	NPEWF	19 55	20.0	+39 41	24			PN	70 LWR	12967	H S O	030 00	82 096	17 02	G 82/097	E=168,B=55			
V1016CYG	NPEWF	19 55	20.0	+39 41	24			PN	70 SWP	16701	L L O	003 00	82 096	17 37	G 82/097	E=2X,C=37,B=20			
V1016CYG	NPEWF	19 55	20.0	+39 41	24	10.5			70 SWP	16746	H L O	015 00	82 101	01 14	G 82/102	E=202,C=20,B=20			
V1016CYG	NPEWF	19 55	20.0	+39 41	24	10.5			70 SWP	17657	H L O	020 00	82 223	12 23	G 82/223	E=1X,C=90,B=52			
NGC	6853	NPETB	19 57	20.7	+22 33	49	7.2		71 SWP	17427	L L O	100 00	82 196	09 17	G 82/196	E=81,B=40			
NGC	6853	NPETB	19 57	20.7	+22 33	49	7.2		71 SWP	18737	L L O	240 00	82 339	18 41	G 82/340*	E=169,C=55,B=44			
NGC	6853	NPETB	19 57	20.7	+22 33	49	7.2		71 LWR	14790	L L O	180 00	82 339	22 44	G 82/340*	E=120,C=100,B=40			
NGC	6853	EA165	19 57	24.0	+22 35	00	13.0		71 SWP	17460	L L O	20 00	82 202	20 55	V /	* 23			
NGC	6853	EA165	19 57	24.0	+22 35	00	13.0		71 LWR	13741	L L O	35 00	82 202	21 02	V /	* 113	4-MIN-HTR-WM-UP		
NGC	6853	EA165	19 57	24.0	+22 35	00	13.0		71 SWP	17461	L L O	20 00	82 202	23 19	V /	* 231			
NGC	6853	EA165	19 57	24.0	+22 35	00	13.0		71 SWP	17462	L L O	20 00	82 203	00 39	V /	* 121			
NGC	6853	NPETB	19 57	25.1	+22 33	49	7.2		71 LWR	13682	L L O	050 00	82 196	11 15	G 82/197	C=210,B=122			
NGC	6853	NPETB	19 57	25.1	+22 33	49	9.4		71 SWP	18739	L L O	120 00	82 340	01 57	G 82/340*	E=182,C=50,B=35			
NGC	6853	NPETB	19 57	26.4	+22 34	32	7.2		71 SWP	17420	L L O	100 00	82 195	05 09	G 82/195	E=198,C=53,B=22			
NGC	6853	NPETB	19 57	26.4	+22 34	32	7.2		71 LWR	13676	L L O	120 00	82 195	06 53	G 82/195	E=142,C=70,B=32			
NGC	6853	EA115	19 57	27.0	+22 35	00	0.0		70 SWP	18340	H L O	150 00	82 293	15 05	V /	* 131			
NGC	6853	NPETB	19 57	30.8	+22 34	32	7.2		71 SWP	17421	L L O	100 00	82 195	09 08	G 82/195	E=145,C=45,B=25			
NGC	6853	NPETB	19 57	30.8	+22 34	32	7.2		71 LWR	13677	L L O	140 00	82 195	11 00	G 82/195	E=154,C=120,B=65			
NGC	6853	NPETB	19 57	39.6	+22 36	18	7.2		71 SWP	17426	L S O	120 00	82 196	05 13	G 82/196	E=169,B=27			
NGC	6853	NPETB	19 57	39.6	+22 36	18	7.2		71 SWP	17426	L L O	120 00	82 196	05 14	G 82/196	E=109,B=27			
NGC	6853	NPETB	19 57	39.6	+22 36	18	7.2		71 LWR	13681	L L O	100 00	82 196	07 27	G 82/196	E=118,B=32			
HD	190113	SGEBM	20 00	10.3	+35 30	03	7.9		G5	IB	45 LWR	15314	L L O	045 00	83 048	20 07	G 83/052*	C=200,B=90	
HD190066	EM261	20 00	11.0	+22 01	00	6.5			23 SWP	18310	H L O	49 00	82 290	17 26	V /	* 701			
RR TEL	ZAELW	20 00	17.9	-55 51	53	10.0		M	IB	57 LWR	14466	H L O	020 00	82 296	09 13	G 82/298*	E=5X,CB=72		
RR TEL	ZAELW	20 00	17.9	-55 51	53	10.0		M	IB	57 SWP	18371	L L O	020 00	82 296	09 51	G 82/298*	E=10X,B=100		
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWR	14202	L L O	6 00	82 260	16 34	V /	* 472	MN=586		
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWR	14202	L S O	6 00	82 260	16 43	V /	* 372	MN=586		
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWR	14203	L L O	6 00	82 260	17 14	V /	* 372	MN=330,TR,I=3,R=		
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWP	1664	H L O	40 00	82 260	18 27	V /	* 273			
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWP	1665	L L O	5 00	82 260	19 38	V /	* 473			
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWP	1665	L S O	3 30	82 260	19 46	V /	* 363			
RR TEL	PHCAL	20 00	20.0	-55 52	00	10.1			57 LWP	1666	L L O	5 14	82 260	20 19	V /	* 273	TRAIL,I=3,R=0.19		

OBJECT ID	PRG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
HR	7665	CCETA	20 03 50.4	-66 18 43	3.5		G8 V	44	LWR	12932	H L O	010 00	82 092 22 44	G	82/095	E=95,C=200,B=30			
HR	7665	CCETA	20 03 50.4	-66 18 43	3.5		G8 V	44	LWR	12933	H L O	030 00	82 092 23 23	G	82/095	E=224,C=255,B=43			
HR	7665	CCETA	20 03 50.4	-66 18 43	3.5		G8 V	44	LWR	12934	H L O	085 00	82 093 00 22	G	82/095	E=3X,C=6X,B=70			
HD	190918	WREPC	20 04 04.6	+35 38 39	7.5		WN	11	LWR	13365	L L O	000 08	82 151 17 18	G	82/153	C=170,B=28			
HD	190918	WREPC	20 04 04.6	+35 38 39	7.5		WN	11	SWP	17080	L L O	000 26	82 151 17 22	G	82/153	E=215,C=194,B=28			
SAO	69410	IEETS	20 04 16.7	+35 14 29	8.4		B1 IB	23	LWR	13770	L L O	005 00	82 206 12 35	G	82/208	C=5X,B=40			
SAO	69410	IEETS	20 04 16.7	+35 14 29	8.4		B1 IB	23	LWR	13770	L S O	003 00	82 206 12 46	G	82/208	C=1.5X,B=40			
HD	190967	IEETS	20 04 16.7	+35 14 29	8.4		B1 IB	23	SWP	17484	L S O	003 40	82 206 12 55	G	82/208	C=110,B=26			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	SWP	18296	L L O	010 00	82 288 22 41	G	82/291*	C=85,B=20			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	SWP	18296	L S O	015 00	82 288 22 56	G	82/291*	C=78,B=20			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	LWR	14412	L L O	008 00	82 288 23 41	G	82/291*	C=185,B=25			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	SWP	18297	L L O	030 00	82 288 23 54	G	82/291*	E=35,C=180,B=25			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	SWP	18301	L M O	090 00	82 289 05 50	G	82/291*	C=2.5,B=78			
SAO	69504	CBEJS	20 07 05.1	+30 24 11	9.0		A2 V	30	LWR	14415	L L O	010 00	82 289 07 30	G	82/291*	C=220,B=25			
HD200120	EA080	20 08 07.0	+47 20 00	4.7				26	LWR	13184	H L O	1 30	82 127 02 14	V	/	501 4-MIN-HTR-WM-UP			
HD200120	EA080	20 08 07.0	+47 20 00	4.7				26	SWP	16911	H L O	1 30	82 127 02 18	V	/	501			
HD200120	EA080	20 08 07.0	+47 20 00	4.7				26	LWR	13185	L L O	1 82	127 03 16	V	/	501 4-MIN-HTR-WM-UP			
HD200120	EA080	20 08 07.0	+47 20 00	4.7				26	SWP	16912	L L O	1 82	127 03 20	V	/	501			
NGC 6884	EA027	20 08 49.0	+46 19 00	11.8				70	SWP	17018	L L O	180 00	82 143 00 44	V	/	351			
FG SGE	EC175	20 09 43.0	+20 11 00	9.6				40	LWR	13391	L L O	160 00	82 153 23 37	V	/	501			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18839	H L O	20 00	82 354 16 28	V	/	* 361			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	LWR	14858	H L O	20 00	82 354 17 02	V	/	* 451			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18840	H L O	15 00	82 354 17 31	V	/	* 351			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18846	H L O	20 00	82 355 10 38	V	/	* 350			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	LWR	14862	H L O	20 00	82 355 11 05	V	/	* 352			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18847	H L O	40 00	82 355 11 33	V	/	* 471			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	LWR	14863	H L O	30 00	82 355 12 16	V	/	* 452			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18848	L L O	50 82	355 12 54	V	/	* 481			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18848	L S O	30 82	355 12 58	V	/	* 361			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	SWP	18849	H L O	20 00	82 355 13 24	V	/	* 360			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	LWR	14864	L L O	25 82	355 14 08	V	/	* 462			
HD192163	EA143	20 10 17.0	+38 12 00	7.7				11	LWR	14864	L S O	25 82	355 14 13	V	/	* 352			
HD192577	EC116	20 12 03.0	+46 35 00	3.7				47	SWP	18108	H L O	50 00	82 268 16 25	V	/	* 151			
HD192577	EC116	20 12 03.0	+46 35 00	3.7				47	LWR	14262	H L O	50 00	82 268 17 18	V	/	* 274 4-MIN-HTR, MN=76			
HD	192577	VVERC	20 12 03.2	+46 35 19	3.0		FO IB	39	LWR	13018	H L O	005 00	82 103 21 52	G	82/104	C=175,B=32			
HD	192577	VVERC	20 12 03.2	+46 35 19	3.0		FO IB	39	SWP	16757	H L O	008 00	82 103 22 03	G	82/104	C=182,B=40			
HD	192577	VVERC	20 12 03.2	+46 35 19	3.8		K5 IB	47	LWR	13535	H L O	005 00	82 172 07 59	G	82/173	E=130,C=165,B=30			
HD	192577	VVERC	20 12 03.2	+46 35 19	3.8		K5 IB	47	SWP	17275	H L O	008 00	82 172 08 10	G	82/173	C=185,B=35			
HD	192577	VVERC	20 12 03.2	+46 35 19	+3.8		K	39	LWR	14671	H L O	005 00	82 324 03 42	G	82/326*	E=134,C=160,B=32			
HD	192577	VVERC	20 12 03.2	+46 35 19	+3.8		K	39	SWP	18604	H L O	008 00	82 324 04 13	G	82/326*	C=185,C=32			



OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS								
		HR	MN	SEC	DEG							MIN	SC	MIN	SE	YR				DAY	HR	MN					
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	LWR	13019	L	L	0	000	05	82	103	23	15	G	82/104	C=165,B=28
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	16758	L	L	0	000	06	82	103	23	19	G	82/104	C=175,B=20
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	17844	L	L	0	010	00	82	246	08	27	G	82/246	C=60X,B=25
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	17845	H	L	0	008	00	82	246	09	25	G	82/246	C=180,B=33
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	LWR	14083	H	L	0	005	00	82	246	10	03	G	82/246	E=116,C=150,B=25
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	17973	H	L	0	008	48	82	259	07	32	G	82/259	E=48,B=23
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	18048	H	L	0	035	00	82	264	11	27	G	82/265	E=107,B=41
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	LWR	14225	H	L	0	025	00	82	264	12	08	G	82/265	E=3X,B=41
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	SWP	18049	L	L	0	000	25	82	264	13	07	G	82/265	E=44,B=16
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		K1	IB	39	LWR	14226	H	L	0	017	00	82	264	13	22	G	82/265	E=1.2X,B=32
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8				39	LWR	14613	H	L	0	005	00	82	317	05	01	G	82/319*	E=142,C=90,B=26
HD	192577	VVERC	20	12	03.3	+46	35	20	3.8		B5		39	SWP	18542	H	L	0	008	00	82	317	05	13	G	82/319*	E=67,C=50,B=20
HD	192639	EM221	20	12	39.0	+37	12	00	7.1				13	LWR	14285	H	L	0	90	00	82	271	16	15	V	/	* 805 4-MIN-HTR
HD	192640	AAEJL	20	12	39.6	+36	39	08	4.9		A5	V	31	LWR	13712	L	T	0	000	42	82	199	18	10	G	82/200	C=1.5X,B=32
HD	192640	AAEJL	20	12	39.6	+36	39	08	4.9		A5	V	31	SWP	17443	L	T	0	000	36	82	199	18	21	G	82/200	C=135,B=28
HD	192660	IEETS	20	12	39.6	+40	10	34	7.5		B0	IA	23	LWR	13771	L	L	0	006	40	82	206	13	57	G	82/208	C=6X,B=33
HD	192660	IEETS	20	12	39.6	+40	10	34	7.5		B0	IA	23	LWR	13771	L	S	0	001	40	82	206	14	10	G	82/208	C=160,B=33
HD	192660	IEETS	20	12	39.6	+40	10	34	7.5		B0	IA	23	SWP	17485	L	L	0	005	00	82	206	14	17	G	82/208	C=150,B=45
HD	192660	IEETS	20	12	39.6	+40	10	34	7.5		B0	IA	23	SWP	17485	L	S	0	005	00	82	206	14	39	G	82/208	C=110,B=53
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	SWP	17887	L	S	0	1	40	82	251	20	08	V	/	* 700
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	SWP	17887	L	L	0		23	82	251	20	13	V	/	* 500
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	LWR	14126	L	S	0		14	82	251	20	16	V	/	* 502
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	LWR	14126	L	L	0		15	82	251	20	19	V	/	* 700
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	SWP	17888	H	L	0	22	00	82	251	20	45	V	/	* 500
HD	192640	EA115	20	12	40.0	+36	39	00	4.9				36	LWR	14127	H	L	0	10	00	82	251	21	22	V	/	* 502 MN=552
HD	192685	MLEPB	20	13	08.7	+25	26	17	4.8		B3	V	21	SWP	18001	H	L	0	001	30	82	261	10	20	G	82/263	C=200,B=37
HD	192685	MLEPB	20	13	08.7	+25	26	17	4.8		B3	V	26	SWP	19331	H	L	0	001	30	83	057	23	16	G	83/060*	C=185,B=38
HD	192685	MLEPB	20	13	08.7	+25	26	17	4.8		B3	V	26	SWP	19352	H	L	0	001	30	83	059	05	25	G	83/061*	C=200,B=35
HD	192685	MLEPB	20	13	08.7	+25	26	17	4.8		B3	V	26	LWR	15388	H	L	0	001	00	83	059	05	30	G	83/061*	C=200,B=32
HD	192685	OD92B	20	13	08.7	+25	26	17	4.8		B3	V	26	SWP	18363	H	L	0	001	30	82	295	12	20	G	82/298*	C=203,B=37
HD	192685	OD92B	20	13	08.7	+25	26	17	4.8		B3	V	26	SWP	18681	H	L	0	001	30	82	332	11	45	G	82/334*	C=195,B=30
HD	192685	OD92B	20	13	08.7	+25	26	17	4.8		B3	V	26	SWP	18815	H	L	0	001	30	82	352	03	54	G	82/354*	C=196,B=30
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	SWP	16929	L	L	0	002	00	82	128	13	19	G	82/130	C=160,B=18
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	LWR	13199	H	L	0	085	00	82	128	13	31	G	82/130	E=1.5X,C=260,B=59
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	LWR	13556	H	L	0	090	00	82	177	14	52	G	82/179	E=1.5X,C=220,B=42
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	SWP	17794	L	L	0	002	26	82	240	15	26	G	82/242	C=180,B=17
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	LWR	14037	H	L	0	075	00	82	240	15	33	G	82/242	E=1.5X,C=1.5X,B=105
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	SWP	18727	L	L	0	002	30	82	338	08	51	G	82/340*	C=185,B=18
HD	192713	CBESP	20	13	20.5	+23	21	17	0.4		B8	V	39	LWR	14785	L	L	0	004	00	82	338	08	59	G	82/340*	C=255,B=25
HD	192806	HCETA	20	13	41.6	+27	39	34	4.52		K3	III	39	SWP	19015	L	L	0	010	00	83	016	23	41	G	83/017*	C=50,B=27

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	RA SEC	DEG MN SC								YR	DAY	HR MN			
HD	192909	VVERC	20 13 55.4	+47 33 35	4.2		K	39 LWR	14672	H L D	015 00	82 324 04 56	G	82/326*	E=1.5X,C=165,B=32		
HD	192909	VVERC	20 13 55.4	+47 33 35	4.2		K	39 SWP	18605	H L D	025 00	82 324 05 24	G	82/326*	C=150,B=35		
HD	192909	VVERC	20 13 55.5	+47 33 36	4.2		KO IB	47 LWR	13540	H L D	015 00	82 172 19 55	G	82/173	E=1.1X,C=205,B=42		
HD	192909	VVERC	20 13 55.5	+47 33 36	4.2		KO IB	39 SWP	17277	H L D	020 00	82 172 20 18	G	82/173	C=147,B=37		
HD	192909	VVERC	20 13 55.5	+47 33 36	4.2		KO IB	39 SWP	19302	H L D	015 00	83 050 22 49	G	83/054*	E=145,C=170,B=80		
HD	192909	VVERC	20 13 55.5	+47 33 36	4.2		KO IB	39 LWR	15337	H L D	010 00	83 050 23 10	G	83/054*	E=220,C=165,B=50		
HD	192909	VVFIA	20 13 55.5	+47 33 36	4.2		K IB	39 LWR	15600	H L D	018 00	83 087 18 57	G	83/088*	E=2X,C=160,B=32		
HD	192909	VVFIA	20 13 55.5	+47 33 36	4.2		K IB	39 SWP	19570	H L D	030 00	83 087 19 21	G	83/088*	C=160,B=40		
HD	192909	VVFIA	20 13 55.5	+47 33 36	4.2		K IB	39 LWR	15601	H L D	006 00	83 087 19 57	G	83/088*	E=154,C=80,B=26		
HD	192913	OD96B	20 14 22.4	+27 37 14	+6.7		B9	27 SWP	19013	H L D	042 00	83 016 21 06	G	83/018*	C=220,B=40		
HD	192913	OD96B	20 14 22.4	+27 37 14	+6.7		B9	27 LWR	15059	H L D	021 00	83 016 21 54	G	83/018*	C=200,B=35		
HD	192913	OD96B	20 14 22.4	+27 37 14	+6.7		B9	27 SWP	19014	H L D	042 00	83 016 22 21	G	83/018*	C=220,B=50		
HD	192913	OD96B	20 14 22.4	+27 37 14	+6.7		B9	27 LWR	15060	H L D	024 00	83 016 23 07	G	83/018*	C=230,B=39		
HD	193077	WREPC	20 15 08.6	+37 16 04	8.2		WN	11 LWR	13340	L L D	002 00	82 149 16 38	G	82/152	E=1.1X,C=240,B=28		
HD	193077	WREPC	20 15 08.6	+37 16 04	8.2		WN	11 SWP	17062	L L D	002 15	82 149 16 44	G	82/152	E=254,C=138,B=32		
HD	193182	MLERH	20 15 37.0	+39 26 15	6.5		B9 V	60 SWP	18153	H L D	050 00	82 272 13 50	G	82/273	C=2-3X,B=68		
HD	193182	MLERH	20 15 37.0	+39 26 15	6.5		B9 V	60 LWR	14294	H L D	025 00	82 272 14 46	G	82/273	E=150,C=1.2X,B=38		
HD	193182	MLERH	20 15 37.0	+39 26 15	6.5		B9 V	60 SWP	18154	H L D	030 00	82 272 15 17	G	82/273	C=1.5X,B=42		
HD	193370	CBESP	20 16 43.8	+34 49 32	0.1		B9 V	39 LWR	13202	L L D	006 00	82 128 18 06	G	82/130	C=2-3X,B=32		
HD	193443	EM236	20 17 01.0	+38 07 00	7.2			12 SWP	18511	H L D	015 00	82 313 12 35	V	/ *	401 MN=173		
HD	193469	SGEBM	20 17 08.2	+38 50 47	6.5		F5 IB	41 LWR	15313	L L D	005 00	83 048 18 58	G	83/052*	C=65,B=25		
HD	193469	SGEBM	20 17 08.2	+38 50 47	6.5		F5 IB	41 SWP	19281	L L D	035 00	83 048 19 12	G	83/052*	C=140,B=70		
HD	193514	EM221	20 17 20.0	+39 07 00	7.4			13 SWP	18145	H L D	014 00	82 271 17 59	V	/ *	502		
HD	NU CAP	RPSTD	20 17 52.9	-12 55 04	4.8	EO.00	B9 V	22 SWP	16850	L T D	000 20	82 118 20 39	G	82/119	C=170,B=18		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 SWP	16931	L S D	000 12	82 128 16 57	G	82/131	C=250,B=26		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 SWP	16931	L L D	000 12	82 128 17 00	G	82/131	C=2X,B=26		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 LWR	13201	H L D	006 00	82 128 17 06	G	82/130	C=2-3X,B=50		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 LWR	13207	L S D	000 06	82 128 23 28	G	82/131	C=240,B=27		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 LWR	13207	L L D	000 06	82 128 23 32	G	82/131	C=2X,B=27		
HD	193495	CBESP	20 18 12.2	-14 56 27	5.0	EO.08	B8 V	39 LWR	13559	H L D	004 00	82 177 20 00	G	82/179	C=225,B=32		
PU	VUL	EI145	20 19 01.0	+21 25 00	99.9			63 LWR	13861	L L D	030 00	82 216 23 30	V	/ *	501 MN=771.4-M-HTR-W		
PU	VUL	EI145	20 19 01.0	+21 25 00	99.9			63 SWP	17590	L L D	0103 00	82 217 00 03	V	/ *	202		
NGC	6905	NPEWF	20 20 08.5	+19 56 39			PN	70 SWP	16703	L L D	025 00	82 096 19 48	G	82/097	E=255,C=180,B=93		
NGC	6905	NPEWF	20 20 08.5	+19 56 39			PN	70 LWR	12969	L L D	025 00	82 096 20 25	G	82/097	E=247,C=140,B=60		
NGC	6905	EA115	20 20 09.0	+19 57 00	15.0			70 SWP	18366	H L D	0200 00	82 295 14 39	V	/ *	242		
HD	00194069	HCETA	20 20 16.6	+40 58 15	6.32		G5 II	39 SWP	18339	L L D	026 00	82 293 13 24	G	82/293*	C=150,B=24		
HD	194069	HCETA	20 20 16.7	+40 58 16	6.3		G5 II	39 LWR	13094	L L D	002 18	82 118 20 00	G	82/119	C=103,B=23		
HD	194069	HCETA	20 20 16.7	+40 58 16	6.3		G5 II	39 SWP	17047	L L D	008 00	82 146 02 25	G	82/146	C=60,B=25		
HD	194069	HCETA	20 20 16.7	+40 58 16	6.3		G5 II	39 LWR	15297	L L D	005 00	83 047 03 09	G	83/047*	C=155,B=31		
GAM	CYG	RCEAH	20 20 25.8	+40 05 43	2.23		F8 IB	41 LWR	15623	H L D	005 00	83 090 00 20	G	83/090*	C=255,B=38		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXP		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR				MN	YR/DAY		
	V503	20	25	34.6	+43	31	26	15.0			54	SWP	18876	L	L	0	240	00	82	357	23	09	G	82/361*	C=100,B=77
	V503	20	25	34.6	+43	31	26	15.0			54	LWR	14884	L	L	0	120	00	82	358	03	13	G	82/361*	C=67,B=45
HD	195325	20	27	54.3	+10	43	38	5.9		AO V	60	LWR	14280	H	L	0	015	00	82	271	08	59	G	82/272	C=190,B=35
HD	195325	20	27	54.3	+10	43	38	5.9		AO V	60	SWP	18140	H	L	0	025	00	82	271	09	21	G	82/272	C=205,B=45
HD	195325	20	27	54.3	+10	43	38	5.9		AO V	60	LWR	14281	H	L	0	020	00	82	271	09	58	G	82/272	C=240,B=45
HD	195325	20	27	54.3	+10	43	38	5.9		AO V	60	SWP	18141	H	L	0	025	00	82	271	10	37	G	82/272	C=220,B=65
	MWC-349	20	30	56.7	+40	29	20	13.0			70	SWP	17656	L	L	0	060	00	82	223	10	41	G	82/223	C=140,B=110
HD	195986	20	31	07.7	+43	01	12	6.58	EO.07	B4 III	24	SWP	19248	L	T	0	000	27	83	045	03	45	G	83/046*	C=145,B=26
HD	195986	20	31	07.7	+43	01	12	6.58	EO.07	B4 III	24	LWR	15284	L	T	0	000	32	83	045	03	54	G	83/046*	C=210,B=28
HD	195986	20	31	07.7	+43	01	12	6.58	EO.07	B4 III	24	SWP	19292	L	T	0	000	39	83	049	23	48	G	83/053*	C=200,B=35
	+40 4227	20	31	27.0	+41	09	00	8.5			64	LWR	13666	L	L	0	48	00	82	193	20	33	V	/	* 603 4-MIN-HTR-WM-UP
	+40 4227	20	31	27.0	+41	09	00	8.5			64	SWP	17413	L	L	0	200	00	82	193	21	28	V	/	* 401
	+40 4227	20	31	27.0	+41	09	00	8.5			64	LWR	13667	L	L	0	38	00	82	194	00	51	V	/	* 503 4-MIN-HTR-WM-UP
HD	196093	20	31	57.4	+35	04	43	4.7		K2 IB	39	SWP	17046	L	L	0	000	30	82	146	00	27	G	82/146	C=195,B=17
HD	352682	20	35	21.0	+18	06	30	9.7		AO V	39	SWP	17771	L	L	0	045	00	82	238	05	08	G	82/238R	C=30,B=25
HD	196378	20	35	55.0	-60	43	00	5.1			41	SWP	17035	L	L	0	9	20	82	145	02	16	V	/	400
HD	196740	20	36	21.1	+23	56	22	5.0		B5 IV	21	SWP	18017	H	L	0	002	45	82	262	08	21	G	82/263	C=188,B=36
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15233	L	L	0	005	00	83	041	00	32	G	83/042*	E=196,C=160,B=25
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15234	L	L	0	005	00	83	041	01	09	G	83/042*	E=215,C=155,B=27
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15235	L	L	0	005	00	83	041	01	42	G	83/042*	E=191,C=120,B=26
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15236	L	L	0	005	00	83	041	02	16	G	83/042*	E=195,C=120,B=27
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15237	L	L	0	005	00	83	041	02	49	G	83/042*	E=191,C=150,B=32
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15238	L	L	0	005	00	83	041	03	23	G	83/042*	E=195,C=150,B=32
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15239	L	L	0	005	00	83	041	03	56	G	83/042*	E=187,C=145,B=26
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15240	L	L	0	005	00	83	041	04	31	G	83/042*	E=192,C=130,B=26
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15241	L	L	0	005	00	83	041	05	04	G	83/042*	E=176,C=120,B=27
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15241	L	L	0	005	00	83	041	05	04	G	83/042*	
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15242	L	L	0	005	00	83	041	05	41	G	83/042*	
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15243	L	L	0	006	00	83	041	14	44	G	83/042*	E=182,C=165,B=25
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15244	L	L	0	006	00	83	041	15	20	G	83/042*	E=177,C=130,B=27
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15245	L	L	0	006	00	83	041	16	06	G	83/042*	E=208,C=160,B=25
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15246	L	L	0	006	00	83	041	16	41	G	83/042*	E=208,C=175,B=25
HD	197433	20	38	03.0	+75	24	58	7.8		KO V	46	LWR	15247	L	L	0	006	00	83	041	17	16	G	83/042*	E=207,C=165,B=25
MK	509	20	41	26.0	-10	54	18	13.1			84	SWP	18090	L	L	0	040	00	82	267	08	42	G	82/267	E=162,C=135,B=80
MK	509	20	41	26.0	-10	54	18	13.1			84	SWP	18200	L	L	0	040	00	82	277	08	02	G	82/277	E=148,C=80,B=30
MK	509	20	41	26.0	-10	54	18	13.1			84	SWP	18238	L	L	0	040	00	82	281	07	18	G	82/285	E=157,C=93,B=32
MK	509	20	41	26.0	-10	54	17	13.0			84	SWP	18338	L	L	0	040	00	82	293	12	10	G	82/293*	E=153,C=122,B=62
MK	509	20	41	26.0	-10	54	18	13.1			84	SWP	18379	L	L	0	040	00	82	297	06	36	G	82/299*	E=161,C=88,B=23
MK	509	20	41	26.0	-10	54	18	13.1			84	SWP	18460	L	L	0	040	00	82	307	07	56	G	82/307*	E=134,C=90,B=45
MKN	509	20	41	26.3	-10	54	17	13.1			84	LWR	13716	L	L	0	030	00	82	200	15	22	G	82/200	E=218,C=200,B=112

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	SEC DEG	MM	SC								YR	DAY	HR MN			
X CYG	HCEEB	20 41 26.5	+35 24 13	6.4		G3 II	53 SWP 17045	L L O	050 00	82 145 20 48	G 82/146	B=38						
HD197481	ECO13	20 42 04.0	-31 31 00	8.6			48 SWP 17291	H L O	0 82 174 21 09	V /	* 039 TOTAL TIME=1080							
	AU MIC DMEJL	20 42 04.4	-31 31 16	8.6		M2 V	48 LWR 13552	L L O	010 00 82 174 20 53	G 82/175	E=187,C=70,B=32							
	AU MIC DMEJL	20 42 04.4	-31 31 16	8.6		M2 V	48 SWP 17291	H L O	440 00 82 174 21 09	G 82/176	E=171,C=235,B=145							
	AU MIC DMEJL	20 42 04.4	-31 31 16	8.6		M2 V	48 LWR 13553	H L O	120 00 82 175 18 03	G 82/176	E=1.2X,C=140,B=80							
HD 196818	CCEBB	20 42 11.9	-80 19 05	7.6		KO III	47 SWP 16827	L L O	060 00 82 114 19 40	G 82/115	B=108							
HD 196818	CCEBB	20 42 12.3	-80 19 04	7.6		KO III	47 LWR 14631	L M O	009 00 82 319 11 32	G 82/320*	E=123,C=65,B=26							
HD197692	ECO52	20 43 08.0	-25 27 00	4.3			41 SWP 17033	L L O	2 30 82 145 00 45	V /	500							
OOCYGNUMS	NSEJR	20 43 10.9	+30 51 24	0.0			75 SWP 16774	L L O	420 00 82 106 10 50	G 82/107	B=90							
CY CYG	COETA	20 45 08.1	+45 52 02	8.7		SC	50 SWP 19592	L L O	025 00 83 090 02 58	G 83/090*	B=20							
HD 198287	IBEMP	20 46 05.9	+39 05 59	7.4		B9 II	39 SWP 17800	L L O	100 00 82 241 08 04	G 82/242	E=194,C=163,B=50							
HD198288	EI164	20 46 06.0	+39 06 00	8.0			25 LWR 14408	L L O	2 00 82 287 19 12	V /	* 302 4-MIN-HTR							
HD198288	EI164	20 46 06.0	+39 06 00	8.0			25 SWP 18286	L L O	10 00 82 287 19 18	V /	* 200							
HD 198287	IBEMP	20 46 06.0	+39 06 00	7.4		B9 II	39 LWR 14043	L L O	020 00 82 241 07 38	G 82/242	E=250,C=255,B=25							
	A 72 EA137	20 47 40.0	+13 22 00	16.1			70 SWP 16936	L L O	100 00 82 129 03 45	V /	501							
TX DEL	HCEEB	20 47 41.9	+03 27 54	9.2		G2 II	53 SWP 17570	L L O	045 00 82 215 09 07	G 82/216	E=56,C=50,B=30							
HBV 475	NPEWF	20 49 02.6	+35 25 37			PN	70 SWP 16702	L L O	030 00 82 096 18 20	G 82/097	E=215,B=130							
HBV 475	NPEWF	20 49 02.6	+35 23 37			PN	70 LWR 12968	L L O	030 00 82 096 18 55	G 82/097	E=199,C=140,B=80							
V1329CYG	ZALW	20 48 02.9	+35 23 23	12.0		M IB	57 LWR 14468	L L O	030 00 82 296 12 33	G 82/298*	E=191,C=100,B=30							
V1329CYG	ZALW	20 49 02.9	+35 23 23	12.0		M IB	57 SWP 18373	L L O	040 00 82 296 13 09	G 82/299*	E=236,B=30							
V1329CYG	EA024	20 49 03.0	+35 24 00	12.5			57 SWP 18659	L L O	30 00 82 330 12 39	V /	* 251							
V1329CYG	EA024	20 49 03.0	+35 24 00	12.5			57 LWR 14724	L L O	30 00 82 330 13 13	V /	* 343 4-MIN-HTR,MN=829							
V1329CYG	EA024	20 49 03.0	+35 24 00	12.5			57 SWP 18660	H L O	180 00 82 330 13 48	V /	* 142							
V1329CYG	EA024	20 49 03.0	+35 24 00	12.5			57 LWR 14725	L L O	85 00 82 330 16 53	V /	* 564 4-MIN-HTR							
V1329CYG	EA024	20 49 03.0	+35 24 00	12.5			57 SWP 18661	L L O	85 00 82 330 18 22	V /	* 361							
HBV 475	EI167	20 49 03.0	+35 24 00	13.0			57 SWP 16760	L L O	50 00 82 104 02 49	V /	140							
HBV 475	EI167	20 49 03.0	+35 24 00	13.0			57 LWR 13020	L L O	65 00 82 104 03 43	V /	353 4-MIN-HTR-WM-UP							
HBV 475	EI167	20 49 03.0	+35 24 00	13.0			57 SWP 16761	H L O	295 00 82 104 04 51	V /	132							
HD 198820	NSEJR	20 49 58.1	+32 39 37	6.4		B3 III	21 SWP 17455	H S O	015 00 82 202 13 43	G 82/203	C=1.1X,B=98							
HD 198820	NSEJR	20 49 58.1	+32 39 37	6.4		B3 III	21 LWR 13738	H S O	015 00 82 202 14 18	G 82/203	C=1.1X,B=60							
HD 198820	NSEJR	20 49 58.1	+32 39 37	6.4		B3 III	21 SWP 17456	H S O	012 00 82 202 14 47	G 82/203	C=245,B=98							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3*		O G4 IV	43 SWP 16813	L L O	090 00 82 112 17 23	G 82/113	E=153,C=140,B=100							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3		G5 III	45 LWR 13066	H L O	090 00 82 112 18 59	G 82/113	E=210,C=160,B=80							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3		G5 III	45 SWP 16818	L L O	060 00 82 113 16 53	G 82/114	E=123,C=115,B=85							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3		G5 III	45 SWP 16826	L L O	120 00 82 114 16 00	G 82/115	E=196,C=180,B=130							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3		G5 III	45 LWR 13073	H L O	060 00 82 114 18 04	G 82/115	E=183,C=130,B=72							
HD 199178	RSEBB	20 52 07.2	+44 11 44	7.3		G5 III	45 SWP 16831	L L O	058 00 82 115 16 52	G 82/116	E=88,C=80,B=30							
CYG LPO1	NSERF	20 53 50.1	+31 33 11				75 SWP 17655	L L O	405 00 82 223 02 44	G 82/223	E=104,C=110,B=79							
CYG LPO1	NSERF	20 53 50.2	+31 33 12				75 LWR 13919	L L O	399 00 82 223 03 06	G 82/223	C=140,B=-76							
CYG LPO1	NSERF	20 53 50.2	+31 33 12				75 LWR 13919	L L O	399 00 82 223 03 06	G 82/223	C=140,B=-76							

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS						
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR				MN					
NGC	6992	NSERF	20	54	01.3	+31	34	28			75	SWP	17665	L	L	0	260	00	82	224	02	38	G	82/224	E=130,B=53		
NGC	6992	NSERF	20	54	01.3	+31	34	28	0.0		75	LWR	13925	L	L	0	210	00	82	224	02	57	G	82/224	E=132,B=55		
	CYG	LPC3	20	54	09.9	+31	34	28			75	SWP	16721	L	L	0	125	00	82	098	14	43	G	82/100	E=81,C=69,B=37		
	CYG	LPC3	20	54	09.9	+31	34	28			75	LWR	12983	L	L	0	140	00	82	098	15	19	G	82/100	B=72		
NGC	6992	NSERF	20	54	09.9	+31	34	28	0.0		75	SWP	17646	L	L	0	393	00	82	222	02	56	G	82/223	E=142,C=100,B=50		
NGC	6992	NSERF	20	54	09.9	+31	34	28	0.0		75	LWR	13910	L	L	0	407	00	82	222	02	58	G	82/223	C=140,B=67		
NGC	6992	NSERF	20	54	09.9	+31	34	28	0.0		75	FES	1374	D	2	160	00	82	222	04	14	G	82/223	NO COMMENT			
	CYG	LPCI	20	54	25.5	+31	34	28	0.0		75	SWP	16720	L	L	0	180	00	82	098	11	10	G	82/100	E=157,C=47,B=32		
	CYG	LPC1	20	54	25.5	+31	34	28	0.0		75	LWR	12982	L	L	0	195	00	82	098	11	21	G	82/100	E=117,C=95,B=50		
NGC	6992	NSERF	20	54	25.5	+31	34	28	0.0		75	SWP	17670	L	L	0	060	00	82	224	16	46	G	82/225	E=138,C=100,B=81		
HD	199454	CBEDL	20	54	41.9	+04	53	29	8.0		33	SWP	18701	H	L	0	130	00	82	335	23	40	G	82/336*	C=170,B=73		
HD	199454	IBEMP	20	54	42.0	+04	53	30	8.0		39	LWR	14013	L	L	0	003	00	82	238	03	55	G	82/238	C=270,B=25		
HD	199454	IBEMP	20	54	42.0	+04	53	30	8.0		39	SWP	17770	L	L	0	004	00	82	238	04	23	G	82/238	C=195,B=25		
	OOCYGNUS	NSEJR	20	55	00.0	+31	30	00	0.0		75	SWP	18685	L	L	0	355	00	82	332	20	42	G	82/334*	E=130,C=115,B=110		
	CYGNUS	IMEJR	20	55	16.9	+30	54	12	0.0		75	LWR	13740	L	L	0	040	00	82	202	19	10	G	82/203	E=88,B=30		
	OOCYGNUS	IMEJR	20	55	16.9	+30	54	12	0.0		75	LWR	13926	L	L	0	180	00	82	224	07	21	G	82/224	E=158,C=100,B=50		
	OOCYGNUS	IMEJR	20	55	16.9	+30	54	12	0.0		75	SWP	17666	L	L	0	110	00	82	224	07	47	G	82/224	E=90,C=60,B=32		
	OOCYGNUS	IMEJR	20	55	17.4	+30	52	53	0.0		75	SWP	17454	L	L	0	350	00	82	202	05	23	G	82/202	E=3X,B=145		
	OOCYGNUS	IMEJR	20	55	17.4	+30	52	53	0.0		75	LWR	13736	L	L	0	230	00	82	202	05	26	G	82/202	E=117,B=53		
	OOCYGNUS	IMEJR	20	55	17.4	+30	52	53	0.0		75	FES	1367	D	2	020	00	82	202	08	12	G	82/202	NO COMMENTS			
	CYGNUS	IMEJR	20	55	17.4	+30	52	53	0.0		75	LWR	13737	H	L	0	120	00	82	202	11	16	G	82/203	E=243,B=132		
	VW VUL	CVEPS	20	55	33.9	+25	18	48	14.0		54	SWP	18875	L	L	0	120	00	82	357	19	08	G	82/361*	E=105,C=105,B=35		
	VW VUL	CVEPS	20	55	33.9	+25	18	47	14.0		54	LWR	14883	L	L	0	080	00	82	357	21	16	G	82/361*	C=130,B=32		
	V1057CYG	PMECI	20	57	06.3	+44	03	49	12.0		58	LWR	13940	L	L	0	026	00	82	225	17	18	G	82/225	C=80,B=38		
HD	200120	DD83B	20	57	59.9	+47	19	29	4.55	EO.16	B1	IV	26	SWP	18861	H	L	0	001	10	82	356	21	15	G	82/357*	C=180,B=35
HD	200120	DD83B	20	57	59.9	+47	19	29	4.55	EO.16	B1	IV	26	SWP	18862	H	L	0	002	55	82	356	21	45	G	82/357*	C=3X,B=40
HD	200120	DD83B	20	57	59.9	+47	19	29	4.55	EO.16	B1	IV	26	LWR	14871	L	T	0	000	04	82	356	22	41	G	82/357*	C=220,B=22
HD	200120	DD83B	20	57	59.9	+47	19	29	4.55	EO.16	B1	IV	26	SWP	18863	L	T	0	000	04	82	356	22	50	G	82/357*	C=255,B=20
HD	200120	DD83B	20	57	59.9	+47	19	29	4.55	EO.16	B2	IV	26	SWP	19255	H	L	0	001	10	83	046	03	18	G	83/047*	C=200,B=35
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	LWR	12951	H	L	0	1	30	82	095	07	42	V	/	502
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	SWP	16695	H	L	0	1	30	82	095	07	46	V	/	501
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	SWP	16696	L	L	0	1	82	095	08	45	V	/	501	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	SWP	16696	L	S	0	2	82	095	08	48	V	/	501	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	LWR	12952	L	L	0	1	82	095	08	51	V	/	402	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	LWR	12952	L	S	0	2	82	095	08	54	V	/	502	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				26	SWP	17094	H	L	0	1	10	82	152	23	32	V	/	501
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				26	SWP	17095	L	L	0	1	82	153	00	30	V	/	501	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				26	LWR	13379	L	L	0	1	82	153	00	33	V	/	401	
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	SWP	17337	H	L	0	1	30	82	182	23	41	V	/	* 501
	HD200120	EA080	20	58	07.0	+47	20	00	4.7				20	LWR	13584	L	L	0	1	82	182	23	46	V	/	* 501	

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS			
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN						
HD200120	EA080	20	58	07.0	+47	20	00	4.7			20	SWP	17587	H L O	1	30	82	216	21	02	V /	* 501			
HD200120	EA080	20	58	07.0	+47	20	00	4.7			20	SWP	18083	H L O	1	30	82	266	21	37	V /	* 501			
HD200120	EA080	20	58	07.0	+47	20	00	4.7			20	SWP	18084	L L O		1	82	266	22	05	V /	* 501			
HD200120	EA080	20	58	07.0	+47	19	00	4.7			26	SWP	18826	H L O	1	30	82	353	16	50	V /	* 501			
HD200120	EA080	20	58	07.0	+47	19	00	4.7			26	LWR	14853	H L O	1	30	82	353	16	56	V /	* 602 FEW PIX SAT			
HD200120	EA080	20	58	07.0	+47	19	00	4.7			26	SWP	18827	L L O		1	82	353	17	22	V /	* 500			
HD	200120	OD83B	20	58	07.2	+47	19	29	4.5		B1	IV	26	SWP	19044	H L O	001	10	83	020	05	44	G 83/020*	C=190,B=35	
HD	200120	OD83B	20	58	07.2	+47	19	29	4.5			B1	IV	26	SWP	19045	H L O	003	00	83	020	06	13	G 83/020*	C=3X,B=60
HD	200120	OD83B	20	58	07.2	+47	19	29	4.55	EO.16	B2	IV	26	SWP	19429	H L O	001	10	83	068	23	55	G 83/073*	C=190,B=38	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	20	SWP	18255	H T O	001	10	82	284	12	21	G 82/286	C=180,B=35	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	20	SWP	18256	L T O	000	04	82	284	12	50	G 82/286	C=1.1X,B=20	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	20	LWR	14383	L T O	000	04	82	284	13	07	G 82/286	C=255,B=25	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	23	SWP	18677	H L O	001	20	82	332	08	43	G 82/334*	C=220,B=40	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	23	SWP	18678	H L O	003	00	82	332	09	12	G 82/334*	C=2.5X,B=70	
HD	200120	OD83B	20	58	07.3	+47	19	29	4.55	EO.16	B1	IV	23	SWP	18679	L T O	000	04	82	332	09	41	G 82/334*	C=250,B=20	
HD	200120	OD83B	20	58	07.4	+47	19	30	4.55		B5		23	SWP	18679	L S O	000	04	82	332	09	42	G 82/334*		
	GL815	FSESB	20	58	09.0	+39	52	42	10.2		M3	V	48	SWP	18710	L L O	060	00	82	337	03	11	G 82/337*	E=181,C=67,B=45	
	GL815	FSESB	20	58	09.0	+39	52	42	10.2		M3	V	48	LWR	14772	L L O	025	00	82	337	04	16	G 82/337*	E=173,C=73,B=34	
	GL815	FSESB	20	58	09.0	+39	52	42	10.2		M3	V	48	SWP	18711	L M O	060	00	82	337	04	45	G 82/337*	E=72,C=60,B=50	
	G67-23	FBEAH	20	58	38.9	+22	20	29	14.3		A	WD	37	SWP	18358	L L O	090	00	82	295	01	15	G 82/295*	C=70,B=32	
NGC	7008	NPEJK	20	59	05.1	+54	20	49	0.0		O	SD	70	SWP	16898	L L O	020	00	82	125	22	49	G 82/126	B=76	
NGC	7008	NPEJK	20	59	05.1	+54	20	49	0.0		O	SD	70	LWR	13174	L L O	028	00	82	125	23	16	G 82/126	E=141,C=100,B=40	
	V407CYG	ZAELW	21	00	10.1	+45	34	33	13.3		M	IB	57	LWR	14045	L L O	030	00	82	241	11	51	G 82/243	B=27	
	V407CYG	ZAELW	21	00	10.1	+45	34	33	13.3		M	IB	57	SWP	17802	L L O	020	00	82	241	12	26	G 82/243	B=18	
HD200391	EC206	21	00	16.0	+27	37	00	7.3					44	LWR	13605	L L O	4	00	82	185	20	45	V /	* 502	
HD200391	EC206	21	00	16.0	+27	37	00	7.3					44	LWR	13606	H L O	150	00	82	185	21	23	V /	* 404	
NGC	7027	NPEGF	21	05	08.9	+42	02	02	8.6				71	SWP	17240	H L O	045	00	82	168	06	39	G 82/168	E=137,B=26	
NGC	7027	NPEGF	21	05	08.9	+42	02	02	8.6				71	LWR	13505	L L O	012	00	82	168	07	30	G 82/168	E=111,C=65,B=25	
NGC	7027	NPEGF	21	05	08.9	+42	02	02	8.6				71	SWP	17241	L L O	012	00	82	168	07	59	G 82/168	E=179,B=20	
NGC	7027	NPEGF	21	05	08.9	+42	02	02	8.6				71	LWR	13506	L L O	060	00	82	168	11	42	G 82/168	E=2X,C=130,B=45	
NGC	7027	NPEGF	21	05	09.3	+42	02	02	8.6				71	SWP	17242	L L O	180	00	82	168	08	37	G 82/168	E=10X,C=80,B=46	
NGC	7027	NPEGF	21	05	09.4	+42	02	03	9.0				71	LWR	15105	H L O	300	00	83	025	16	34	G 83/026*	E=1.5X,C=85,B=80	
NGC	7027	NPEGF	21	05	09.4	+42	02	03	9.0				71	SWP	19578	H L O	420	00	83	088	11	09	G 83/089*	E=10X,B=112	
	2111+49	WDFEB	21	11	03.0	+49	53	42	13.1			WD	17	SWP	16891	H L O	300	00	82	125	09	06	G 82/126	C=145,B=65	
HD	202447	CBESP	21	13	19.4	+05	02	24	2.6		A5	V	39	LWR	13200	H L O	012	00	82	128	15	40	G 82/130	C=1.2X,B=49	
HD	202447	CBESP	21	13	19.4	+05	02	24	2.6		A5	V	39	SWP	16930	L S O	000	40	82	128	15	55	G 82/131	C=25,B=30	
HD	202447	CBESP	21	13	19.4	+05	02	24	2.6		A5	V	39	SWP	16930	L L O	001	10	82	128	15	59	G 82/131	C=3X,B=30	
HD	202447	CBESP	21	13	19.4	+05	02	24	2.6		A5	V	39	LWR	13560	H L O	009	00	82	177	20	43	G 82/179	C=200,B=30	
HD	202447	CBESP	21	13	19.4	+05	02	24	2.6		A5	V	39	LWR	14038	H L O	011	00	82	240	17	23	G 82/243	E=102,C=1.3X,B=35	
HD	202654	RPSTD	21	13	51.9	+47	45	52	6.45	EO.03	B4	IV	21	SWP	19363	L T O	000	31	83	060	21	11	G 83/061*	C=240,B=18	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR MN	SEC	DEG MN	SC							MIN	SE	YR	DAY	HR	MN			
HD	202654	RPSTD	21 13 51.9	+47 45 52	6.45	EO.03	B4	IV	21	LWR	15401	L T 0	000 22 83	060 21 22	G	83/061*	C=200,B=25			
	G231-40	WDEGW	21 17 22.0	+53 59 54	12.3		AO	WD	37	SWP	19532	L L 0	012 00 83	083 19 37	G	83/084*	C=156,B=73			
	G231-40	WDEGW	21 17 22.0	+53 59 54	12.3		AO	WD	37	LWR	15570	L L 0	012 00 83	083 20 11	G	83/084*	C=190,B=51			
	G231-40	WDEGW	21 17 22.0	+53 59 54	12.3		AO	WD	37	SWP	19533	L L 0	012 00 83	083 20 50	G	83/084*	C=150,B=55			
HD	203156	SGEBM	21 17 22.3	+38 01 59	5.83	EO.50	F3	II	40	SWP	19280	H L 0	090 00 83	048 16 46	G	83/052*	C=190,B=50			
HD	203156	HCETA	21 17 22.4	+38 01 32	0.7				39	LWR	15298	L L 0	000 45 83	047 03 43	G	83/047*	C=200,B=25			
HD	203156	HCETA	21 17 22.4	+38 01 32	0.7				39	SWP	19267	L L 0	001 30 83	047 03 47	G	83/047*	C=195,B=25			
HD	203454	LDEDS	21 19 04.0	+40 08 07	6.4		F8	V	41	LWR	14716	H L 0	090 00 82	329 04 20	G	82/333*	E=176,C=1.5X,B=37			
HD	203842	LGETS	21 21 58.0	+09 57 29	6.3		F5	III	41	SWP	18761	L L 0	090 00 82	343 04 10	G	82/343*	C=2X,B=33			
HD	203938	IEETS	21 22 01.8	+46 56 57	7.1		B0	IV	20	LWR	13758	L T 0	006 10 82	204 17 34	G	82/207	C=3X,B=50			
HD	203938	IEETS	21 22 01.8	+46 56 57	7.1		B0	IV	20	LWR	13758	L S 0	000 50 82	204 17 54	G	82/207	C=180,B=45			
HD	203938	IEETS	21 22 01.8	+46 56 57	7.1		B0	IV	20	SWP	17471	L T 0	003 23 82	204 18 29	G	82/207	C=110,B=19			
	HD203608	ECO52	21 22 20.0	-65 36 00	4.2				41	SWP	17036	L L 0	4 00 82	145 03 03	V	/	600			
	JL 76	EA035	21 23 06.0	-82 54 00	11.3				28	LWR	14178	L L 0	6 00 82	257 16 17	V	/	* 403 4-MIN-HTR			
	JL 76	EA035	21 23 06.0	-82 54 00	11.3				28	SWP	17958	L L 0	14 00 82	257 16 40	V	/	* 400			
HD	204172	RPSTD	21 23 44.2	+36 27 02	5.94	EO.14	B0	IB	23	SWP	19249	L T 0	000 15 83	045 05 02	G	83/046*	C=200,B=25			
HD	204172	RPSTD	21 23 44.2	+36 27 02	5.94	EO.14	B0	IB	23	LWR	15285	L T 0	000 10 83	045 05 11	G	83/046*	C=205,B=28			
HD	204075	CBEJL	21 23 48.7	-22 37 42	3.74		G5	II	45	SWP	17292	H L 0	987 00 82	175 20 33	G	82/179	E=233,C=250,B=130			
HD	204075	CBEJL	21 23 48.7	-22 37 42	3.74		G5	II	45	LWR	13554	H L 0	030 00 82	176 13 15	G	82/179	E=190,C=1.1X,B=32			
	HD204075	ECO13	21 23 49.0	-22 38 00	3.7				45	SWP	17292	H L 0	987 00 82	175 20 33	V	/	* 039 READ AT GSFC			
HD	204613	HCEHB	21 26 12.2	+57 06 17	8.3		GO	V	44	LWR	13262	L L 0	005 00 82	138 11 11	G	82/138	C=140,B=21			
HD	204613	HCEHB	21 26 12.2	+57 06 17	8.3		GO	V	44	SWP	16981	L L 0	150 00 82	138 11 20	G	82/139	C=70,B=42			
	K 648	EA254	21 27 34.0	+11 57 00	14.0				70	SWP	17069	L L 0	60 00 82	150 06 04	V	/	461			
	K 648	EA254	21 27 34.0	+11 57 00	14.0				70	LWR	13360	L L 0	60 00 82	151 06 39	V	/	431			
NGC	7078	GHEST	21 27 35.9	+11 56 59	15.1		F3		83	LWP	1757	H L 0	900 00 83	003 15 54	G	83/004*	C=220,B=110			
HD	204862	GHEST	21 28 44.3	+11 55 00	5.98		2		83	LWP	1756	H T 0	012 00 83	003 06 50	G	83/004*	C=190,B=100			
HD	204867	CSELH	21 28 55.6	-05 47 31	2.9		GO	IB	45	LWR	13338	H L 0	015 00 82	149 14 34	G	82/152	E=191,C=2X,B=60			
HD	204867	CSELH	21 28 55.6	-05 47 31	2.9		GO	IB	45	LWR	13977	H L 0	015 00 82	230 13 57	G	82/230	E=156,C=250,B=31			
HD	205073	AMEJL	21 29 34.9	+48 08 09	7.8		A1	V	35	LWR	13723	L T 0	006 00 82	201 13 42	G	82/202	C=230,B=33			
HD	205085	AMEJL	21 29 42.0	+48 03 26	8.0		A1	V	30	LWR	14909	L L 0	001 50 82	360 02 37	G	82/361*	C=185,B=25			
HD	205117	AMEJL	21 29 56.4	+48 15 48	7.6		A1	V	35	LWR	13724	L T 0	005 00 82	201 14 42	G	82/202	C=240,B=35			
BD	+47 3452	AMEJL	21 30 01.3	+48 15 38	8.9		A7	V	35	LWR	13725	L L 0	007 00 82	201 15 24	G	82/202	C=210,B=32			
HD	205198	AMEJL	21 30 26.6	+48 25 05	8.2		A1	V	35	LWR	13726	L T 0	007 00 82	201 16 06	G	82/202	C=230,B=61			
HD	205331	AMEJL	21 31 21.2	+48 04 52	6.8		A1	V	35	LWR	13713	L T 0	003 00 82	199 19 20	G	82/201	C=1X,B=32			
HD	205249	RSETS	21 31 33.1	-13 42 24	8.0		K1	III	47	SWP	18798	L L 0	060 00 82	349 04 33	G	82/349*	E=40,B=30			
BD	+47 3472	AMEJL	21 32 05.5	+48 19 58	9.1		A7	V	35	LWR	13727	L L 0	009 00 82	201 16 56	G	82/202	C=250,B=44			
	ABELL-78	NPEJK	21 33 20.0	+31 28 17	13.2		PN		70	LWR	13250	L L 0	012 00 82	135 17 38	G	82/137	C=160,B=32			
	ABELL-78	NPEJK	21 33 20.0	+31 28 17	13.2		PN		70	SWP	16967	H L 0	040 00 82	135 17 59	G	82/137	C=65,B=40			
	A-78	NPEJK	21 33 20.1	+31 28 18					70	SWP	16966	L L 0	006 00 82	135 17 15	G	82/138	C=150,B=17			
PG	159-125	CVEJL	21 33 53.4	+11 27 25	14.4	EO.00	CV		54	SWP	17367	L L 0	040 00 82	187 13 01	G	82/188	C=80,B=57			

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR MN	RA SEC	DEG	DEC MN SC							MIN	SE	YR	DAY			
PG	159-125	CVEJL	21 33 53.4	+11 27 25	14.4	EO.00	CV		54	LWR	13618	L L 0	040 00	82 187 13 43	G	82/188	C=110,B=55	
	P2135-14	EEO49	21 35 01.0	-14 46 00	15.5				85	SWP	18741	L L 0	318 00	82 340 12 28	V	/	* 332	
	P2135-14	EEO49	21 35 01.0	-14 46 00	15.5				85	LWP	1739	L L 0	352 00	82 341 11 49	V	/	* 313	
	HD205767	EA051	21 35 06.0	-08 05 00	4.7				31	LWR	14307	H L 0	12 30	82 274 15 33	V	/	* 601 4-MIN-HTR	
HD	239710	IEETS	21 35 08.7	+57 16 38	9.5		B3 V		21	LWR	13757	L S 0	008 00	82 204 15 46	G	82/207	C=225,B=72	
HD	239710	IEETS	21 35 08.7	+57 16 38	9.5		B3 V		21	LWR	13757	L L 0	016 00	82 204 16 03	G	82/207	C=4X,B=74	
HD	239710	IEETS	21 35 08.7	+57 16 38	9.5		B3 V		21	SWP	17470	L L 0	020 00	82 204 16 26	G	82/207	C=3X,B=130	
	NGC 7099	EE102	21 37 30.0	-23 25 00	99.9				83	LWR	13719	L L 0	75 00	82 200 21 44	V	/	* 404	
	NGC 7099	EE102	21 37 30.0	-23 25 00	99.9				83	SWP	17448	L L 0	50 00	82 200 21 48	V	/	* 100 SERENDIPITY	
	NGC 7099	EE102	21 37 30.0	-23 25 00	99.9				83	SWP	17449	L L 0	240 00	82 200 23 05	V	/	* 401	
	NGC 7099	EE102	21 37 30.0	-23 25 00	99.9				83	LWR	13720	L L 0	193 00	82 201 00 30	V	/	* 205 SERENDIPITY	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13585	L L 0	20 00	82 183 00 46	V	/	* 463	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	SWP	17338	L L 0	51 00	82 183 01 15	V	/	* 471	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13586	L L 0	25 00	82 183 02 11	V	/	* 463	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	SWP	17339	L L 0	20 00	82 183 02 46	V	/	* 350	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13587	L L 0	23 00	82 183 03 20	V	/	* 463	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13637	L L 0	25 00	82 190 00 48	V	/	* 572 4-MIN-HTR-WM-UP	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	SWP	17387	L L 0	40 00	82 190 01 16	V	/	* 372	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13638	L L 0	18 00	82 190 02 02	V	/	* 452	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	SWP	17388	L L 0	25 00	82 190 02 32	V	/	* 352	
	SS CYG	EI109	21 40 44.0	+43 21 00	11.8				54	LWR	13639	L L 0	17 00	82 190 03 13	V	/	* 462	
	SS CYG	EI110	21 40 44.0	+43 21 00	11.8				54	SWP	17414	L L 0	25 00	82 194 01 54	V	/	* 360	
	SS CYG	EI110	21 40 44.0	+43 21 00	11.8				54	LWR	13668	L L 0	20 00	82 194 02 28	V	/	* 583 4-MIN-HTR-WM-UP	
	SS CYG	EI110	21 40 44.0	+43 21 00	11.8				54	SWP	17415	L L 0	40 00	82 194 02 54	V	/	* 470	
	HD206773	EI113	21 40 50.0	+57 30 00	6.9				26	SWP	18753	H L 0	29 00	82 342 10 21	V	/	* 502	
	HD206773	EI113	21 40 50.0	+57 30 00	6.9				26	LWR	14808	H L 0	25 00	82 342 10 54	V	/	* 702 C=100 NEAR2100	
	NU CAP	RPSTD	21 42 08.4	+17 07 11	4.8	EO.00	B9 V		22	LWR	13095	L S 0	001 30	82 118 21 11	G	82/119	C=100,B=26	
HD	206859	CSELH	21 42 08.5	+17 07 11	4.3		G5 IB		45	LWR	13975	H L 0	070 00	82 230 10 43	G	82/230	E=242,C=180,B=32	
HD	206901	OD82B	21 42 22.6	+25 24 51	4.20		F5 IV		41	LWR	14976	H L 0	009 00	83 001 23 11	G	83/006*	C=235,B=40	
HD	206901	OD82B	21 42 22.6	+25 24 51	4.20		F5 IV		41	SWP	18929	L L 0	020 00	83 001 23 26	G	83/006*	E=87,C=8X,B=40	
HD	207198	IEETS	21 43 30.6	+62 13 46	5.94	EO.61	09 III		13	SWP	17472	H L 0	033 00	82 204 19 16	G	82/207	C=210,B=40	
	IC 5135	EGETT	21 45 19.5	-35 11 07	13.1				88	SWP	19597	L L 0	240 00	83 090 11 11	G	83/091*	E=78,C=90,B=65	
	IC 5135	EGETT	21 45 19.5	-35 11 07	13.1				88	LWR	15629	L L 0	170 00	83 090 15 16	G	83/091*	C=180,B=120	
HD	207585	HCEHB	21 47 44.5	-24 25 12	9.8		G5		44	SWP	17004	L L 0	090 00	82 140 18 26	G	82/141	B=114	
HD	207585	HCEHB	21 47 44.6	-24 25 13	15.0				44	LWR	13282	L L 0	015 00	82 140 18 07	G	82/141	C=140,B=32	
HD	207739	OD78B	21 47 59.8	+43 43 54	0.0		B7 V		39	LWR	14336	L L 0	004 30	82 277 22 40	G	82/278	C=1.1X,B=26	
HD	207739	OD78B	21 47 59.8	+43 43 54	0.0		B7 V		39	SWP	18203	H L 0	307 00	82 277 22 50	G	82/278	C=147,B=55	
HD	207739	OD78B	21 47 59.8	+43 43 54	0.0		B7 V		39	LWR	14337	H L 0	090 00	82 278 04 02	G	82/278	E=150,C=125,B=40	
HD	207739	OD78B	21 47 59.8	+43 43 54	0.0		B7 V		39	SWP	18204	L L 0	012 00	82 278 05 38	G	82/278	C=185,B=17	
	+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5				16	LWP	1529	L L 0	52 82	110 06 10	V	/	503	



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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1529	L S O	3 00 82	110 06 13	V /	703	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1530	L L O	3 01 82	110 06 48	V /	403	TRAIL R=0.11
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	17087	L L O	26 82	152 06 48	V /	500	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	17087	L S O	1 20 82	152 06 52	V /	600	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	13371	L L O	1 00 82	152 06 57	V /	402	MN=426
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	17180	L L O	26 82	161 01 10	V /	500	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	17180	L S O	1 20 82	161 01 15	V /	600	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	13464	L L O	1 00 82	161 01 20	V /	502	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	13464	L S O	3 00 82	161 01 25	V /	502	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	13465	L L O	3 51 82	161 02 21	V /	502	1 ITER, R=0.095
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	17181	L L O	1 18 82	161 03 26	V /	500	1 ITER, R=0.256
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1568	L L O	50 82	161 23 40	V /	402	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1569	L L O	50 82	162 00 13	V /	402	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1640	L L O	50 82	233 18 50	V /	* 502	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1642	L L O	50 82	233 20 32	V /	* 502	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1644	L L O	50 82	233 21 48	V /	* 502	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 SWP	18067	L L O	26 82	265 21 32	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 SWP	18067	L S O	52 82	265 21 37	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 SWP	18068	L L O	1 18 82	265 22 04	V /	* 501	TRAIL, I=3, R=0.77
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 LWP	1678	L L O	50 82	265 22 14	V /	* 503	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 LWP	1678	L S O	1 20 82	265 22 19	V /	* 503	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			12 LWP	1679	L L O	3 20 82	265 22 55	V /	* 503	TRAIL, I=3, R=0.30
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	14887	L L O	1 00 82	358 10 53	V /	* 600	B PIX SAT
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	14887	L S O	3 00 82	358 10 57	V /	* 500	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	18880	H L O	45 00 82	358 11 03	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1749	H L O	65 00 82	358 12 19	V /	* 503	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	18881	L L O	26 82	358 13 29	V /	* 500	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	18881	L S O	1 18 82	358 13 31	V /	* 600	10 PIX SAT
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1750	L L O	50 82	358 14 21	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWP	1750	L S O	2 30 82	358 14 24	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	18899	L L O	26 82	361 16 07	V /	* 501	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 SWP	18899	L S O	1 20 82	361 16 10	V /	* 701	
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	14935	L L O	1 00 82	361 16 14	V /	* 502	MN=696
+28 4211	PHCAL	21 48 56.0	+28 38 00	10.5			16 LWR	14935	L S O	3 00 82	361 16 18	V /	* 602	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 SWP	16712	L S O	001 18 82	097 15 39	G 82/097	C=200, B=18	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 SWP	16712	L L O	000 26 82	097 15 45	G 82/097	C=1.1X, B=18	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 LWR	12975	H L O	060 00 82	097 15 51	G 82/098	C=200, B=55	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 LWR	12976	L L O	001 00 82	097 17 21	G 82/098	C=190, B=35	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 LWR	12976	L S O	003 00 82	097 17 26	G 82/098	C=205, B=35	
BD +28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00 SD	16 LWP	1515	L L O	000 50 82	097 19 24	G 82/098	C=230, B=50	

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1515	L S 0	002 30	82 097	19 32	G 82/098	C=1.5X,B=50		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1541	L L 0	000 50	82 129	16 44	G 82/132	C=200,B=35		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1541	L S 0	002 30	82 129	16 49	G 82/132	C=1.5X,B=35		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	16960	L L 0	000 26	82 134	16 33	G 82/137	C=180,B=20		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	16960	L S 0	001 18	82 134	16 38	G 82/137	C=225,B=20		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13243	L L 0	001 00	82 134	16 44	G 82/137	C=165,B=30		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13243	L S 0	003 00	82 134	16 49	G 82/137	C=225,B=30		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13244	L L 0	000 35	82 134	17 31	G 82/137	C=125,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13245	L L 0	001 20	82 134	17 58	G 82/137	C=205,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	17373	L L 0	000 26	82 188	12 49	G 82/189			
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13623	L L 0	001 00	82 188	12 55	G 82/189	C=170,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	13854	L L 0	001 00	82 216	10 54	G 82/217	C=165,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	17578	L L 0	000 26	82 216	10 59	G 82/217	C=180,B=23		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	17693	L L 0	000 26	82 227	09 48	G 82/229	C=200,B=18		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1639	L L 0	000 50	82 232	16 52	G 82/236	C=210,B=32		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1639	L S 0	002 30	82 232	16 57	G 82/236	C=1.1X,B=32		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	14165	L L 0	001 00	82 256	10 28	G 82/258	C=200,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	17944	L L 0	000 26	82 256	10 34	G 82/258	C=200,B=15		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	14166	L L 0	001 00	82 256	11 09	G 82/258	C=190,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1663	L L 0	000 50	82 256	15 39	G 82/258	C=220,B=33		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	14300	L L 0	000 35	82 273	15 07	G 82/274	C=145,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	14301	L L 0	001 20	82 273	15 45	G 82/274	C=227,B=27		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	18446	L L 0	000 26	82 305	11 04	G 82/307*	C=210,B=20		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	14542	L L 0	001 00	82 305	11 09	G 82/307*	C=205,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	SWP	19032	L L 0	000 26	83 019	00 44	G 83/019*	C=195,B=20		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	15071	L L 0	001 00	83 019	00 50	G 83/019*	C=185,B=25		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWP	1772	L L 0	000 50	83 019	06 58	G 83/019*	C=210,B=32		
BD	+28 4211	PHCAL	21 48 57.4	+28 37 34	10.5	E-.02	00	SD	16	LWR	15077	L L 0	001 00	83 019	07 32	G 83/019*	C=200,B=25		
BD	+46 3471	5A107	21 50 39.0	+46 59 21	10.1			B9 V	34	LWP	1768	H L 0	860 00	83 012	09 04	G 83/013*	C=220,B=132		
	2155-304	EEO82	21 55 58.0	-30 24 00	13.3				87	SWP	18619	L L 0	40 00	82 325	16 04	V /	* 301		
	2155-304	EEO82	21 55 58.0	-30 24 00	13.3				87	LWR	14688	L L 0	83 00	82 325	16 19	V /	* 504 4-MIN-HTR		
	2155-304	EEO82	21 55 58.0	-30 24 00	13.3				87	SWP	18619	L S 0	80 00	82 325	16 54	V /	* 301		
Q	2155-304	GHEDY	21 55 58.3	-30 27 54	13.0			B0 V	87	SWP	18421	L L 0	060 00	82 302	04 52	G 82/302*	C=75,B=27		
IC	5148	NPEJK	21 56 33.0	-39 37 28	16			PN	70	SWP	16968	L L 0	060 00	82 135	19 33	G 82/137	C=200,B=72		
IC	5148	NPEJK	21 56 33.1	-39 37 29	0.0			0 SD	70	SWP	17730	L L 0	060 00	82 233	13 33	G 82/235	C=200,B=83		
	+25 4655	EAO11	21 57 25.0	+26 12 00	9.0				16	SWP	17947	H L 0	45 00	82 256	16 46	V /	* 601		
	+25 4655	EAO11	21 57 25.0	+26 12 00	9.0				16	LWR	14170	H L 0	45 00	82 256	17 35	V /	* 503 4-MIN-HTR, MN=87		
HD	209166	LGETS	21 58 39.1	+12 52 47	5.6			F5 II	41	SWP	17289	L L 0	090 00	82 174	13 16	G 82/174	E=88,C=7-10X,B=40		
HR	8387	CCETA	21 59 32.0	-56 59 34	4.7			K5 V	46	LWR	14827	H L 0	060 00	82 346	20 04	G 82/347*	E=2-2.5X,C=120,B=30		
HR	8387	CCETA	21 59 32.9	-56 59 33	4.7			K5 V	46	LWR	12929	H L 0	015 00	82 092	18 14	G 82/095	E=180,C=70,B=30		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS					
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR				MN				
HR	8387	CCETA	21	59	32.9	-56	59	33	4.7	K5	V	46	LWR	12930	H	L	0	020	00	82	092	18	59	G	82/095	E=205,C=85,B=32
HR	8387	CCETA	21	59	32.9	-56	59	33	4.7	K5	V	46	LWR	12931	H	L	0	120	00	82	092	19	51	G	82/095	E=5X,C=220,B=42
HR	8387	CCETA	21	59	32.9	-56	59	33	4.7	K5	V	46	LWR	14842	H	L	0	060	00	82	350	04	42	G	82/350*	E=4X,C=145,B=40
HD	209100	LDEKH	21	59	48.0	-57	00	53	4.7	K4	V	46	LWR	12991	L	L	0	001	30	82	099	18	28	G	82/100	E=197,C=127,B=23
HD	209100	LDEKH	21	59	48.0	-57	00	53	4.7	K4	V	46	SWP	16733	L	L	0	017	00	82	099	18	35	G	82/100	C=70,B=70
HD	209100	LDEKH	21	59	48.1	-57	00	54	4.7	K4	V	46	LWR	13859	L	L	0	001	30	82	216	16	52	G	82/217	E=180,C=155,B=27
HD	209100	LDEKH	21	59	48.1	-57	00	54	4.7	K4	V	46	SWP	17583	L	L	0	019	00	82	216	17	24	G	82/217	E=160,B=80
HD	209100	LDEKH	21	59	48.1	-57	00	57	4.7	K4	V	46	SWP	17761	L	L	0	019	00	82	236	16	39	G	82/237	B=26
HD	209100	LDEKH	21	59	48.1	-57	00	57	4.7	K4	V	46	LWR	14006	L	S	0	003	00	82	236	17	16	G	82/237	E=158,C=142,B=22
HD	209100	LDEKH	21	59	48.1	-57	00	54	4.7	K4	V	46	LWR	14006	L	L	0	001	30	82	236	17	23	G	82/237	E=185,C=142,B=22
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13024	L	L	0	001	30	82	104	23	45	G	82/105	C=140,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16767	L	L	0	019	00	82	104	23	53	G	82/105	E=28
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16837	L	L	0	019	00	82	116	18	37	G	82/117	E=72,B=20
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13084	L	L	0	001	30	82	116	19	02	G	82/117	E=140,C=120,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16839	L	L	0	019	00	82	116	21	19	G	82/117	E=149,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16861	L	L	0	019	00	82	119	23	00	G	82/120	E=147,B=18
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13191	L	L	0	001	30	82	127	18	38	G	82/130	E=164,C=150,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16920	L	L	0	017	00	82	127	18	43	G	82/130	E=161,B=112
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13211	L	L	0	001	30	82	129	15	08	G	82/131	C=140,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16941	L	L	0	019	00	82	129	15	16	G	82/131	E=127,C=40,B=20
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	16954	L	L	0	019	00	82	133	21	26	G	82/134	E=164,C=48,B=45
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13239	L	L	0	001	30	82	133	21	54	G	82/134	E=188,C=140,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13275	L	L	0	001	30	82	139	19	40	G	82/140	C=150,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	55	4.7	K4	V	46	SWP	16995	L	L	0	019	00	82	139	19	47	G	82/140	C=55,B=35
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13304	L	L	0	001	30	82	143	23	02	G	82/144	E=124,C=105,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	17028	L	L	0	019	00	82	143	23	07	G	82/144	C=37,B=20
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13305	L	L	0	001	30	82	143	23	33	G	82/144	E=122,C=120,B=21
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	13844	L	L	0	001	30	82	214	17	27	G	82/216	E=186,C=140,B=27
HD	209100	LDEKH	21	59	48.6	-57	00	56	+4.7	K4	V	46	LWR	13957	L	L	0	001	30	82	227	13	42	G	82/228	E=180,C=140,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	56	+4.7	K4	V	46	SWP	17696	L	L	0	019	00	82	227	13	51	G	82/228	C=150,B=130
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	SWP	17819	L	L	0	019	00	82	243	13	18	G	82/244	E=212,C=125,B=125
HD	209100	LDEKH	21	59	48.6	-57	00	56	4.7	K4	V	46	LWR	14067	L	L	0	001	30	82	243	13	45	G	82/244	E=195,C=145,B=28
HD	209100	LDEKH	21	59	48.6	-57	00	56	+4.7	K4	V	46	LWR	14147	L	L	0	001	30	82	254	14	27	G	82/256	E=176,C=180,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	56	+4.7	K4	V	46	LWR	14148	L	L	0	001	30	82	254	15	25	G	82/256	E=200,C=160,B=25
HD	209100	LDEKH	21	59	48.6	-57	00	56	+4.7	K4	V	46	SWP	17924	L	L	0	019	00	82	254	15	30	G	82/256	B=25
HD	209100	LDEKH	21	59	48.7	-57	00	56	4.7	G8	V	46	LWR	13110	L	L	0	001	30	82	119	22	53	G	82/120	E=160,C=120,B=26
HD	209100	LDEKH	21	59	48.7	-57	00	56	4.2	GO	V	46	SWP	17565	L	L	0	019	00	82	214	16	58	G	82/216	E=155,C=53,B=53
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	AO	V	30	LWR	14520	H	L	0	027	00	82	303	07	38	G	82/305*	C=2-3,B=48
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	AO	V	30	SWP	18430	H	L	0	022	00	82	303	08	10	G	82/305*	C=230,B=48
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	AO	V	30	LWR	14523	H	L	0	013	00	82	303	12	34	G	82/306*	C=240,B=30

OBJECT ID	PRG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS				
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN							
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	A0	V	30	SWP	18433	H	L	0	022	00	82	303	13	02	G	82/306*	C=220,B=40
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	A0	V	30	LWR	14525	H	L	0	012	00	82	304	07	54	G	82/306*	C=220,B=40
HD	209459	APEWW	22	00	52.0	+11	08	39	5.7	A0	V	30	SWP	18436	H	L	0	019	00	82	304	08	21	G	82/306*	C=220,B=60
HD	209750	CSELH	22	03	12.9	-00	33	49	2.9	G2	IB	45	SWP	17060	H	L	0	780	00	82	148	23	42	G	82/152	E=2X,C=1.5X,B=145
HD	209750	CSELH	22	03	12.9	-00	33	49	2.9	G2	IB	45	LWR	13337	H	L	0	012	00	82	149	13	20	G	82/152	E=182,C=180,B=32
HD	209750	CSELH	22	03	12.9	-00	33	49	2.9	G2	IB	45	SWP	17061	L	L	0	035	00	82	149	13	48	G	82/152	E=151,C=200,B=90
HD	209750	CSELH	22	03	12.9	-00	33	49	2.9	G2	IB	45	LWR	13976	H	L	0	012	00	82	230	12	34	G	82/230	E=187,C=170,B=32
HD	209750	CCEJL	22	03	13.0	-00	33		2.9	G2	IB	45	LWR	13538	H	L	0	030	00	82	172	16	26	G	82/173	E=2X,C=1.5X,B=52
HD	HD209750	EC232	22	03	13.0	-00	34	00	2.9			44	SWP	17060	H	L	0	780	00	82	148	23	42	V	/	* 779 READ DOWN AT GSF
	2204-408	UK472	22	04	33.0	-40	52	00	17.5			85	SWP	16685	L	L	0	710	00	82	092	05	50	V	/	* 119
Q	2204-408	HZDAB	22	04	33.1	-40	51	36	17.5			85	SWP	16685	L	L	0	710	00	82	092	05	50	G	82/095	E=255,B=100
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	SWP	19579	H	L	0	000	11	83	088	19	02	G	83/089*	C=185,B=35
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	LWR	15610	H	L	0	000	11	83	088	19	06	G	83/089*	C=255,B=33
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	SWP	19580	H	L	0	000	11	83	088	20	03	G	83/089*	C=185,B=35
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	LWR	15611	H	L	0	000	11	83	088	20	08	G	83/089*	C=255,B=35
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	SWP	19581	H	L	0	000	11	83	088	21	13	G	83/089*	C=180,B=33
HD	209952	NPEGF	22	05	05.4	-47	12	14	1.7			21	LWR	15612	H	L	0	000	11	83	088	21	17	G	83/089*	C=255,B=35
	HD210221	STAND	22	05	34.0	+53	04	00	6.8			30	SWP	18391	L	S	0		33	82	298	17	30	V	/	* 111
	HD210221	STAND	22	05	34.0	+53	04	00	6.8			30	SWP	18391	L	L	0	1	45	82	298	17	35	V	/	* 211 TRAIL, 1ITER, R=0.
	HD210221	STAND	22	05	34.0	+53	04	00	6.8			30	LWR	14484	L	L	0		51	82	298	17	58	V	/	* 332 TRAIL, R=0.39, 1IT
	HD210221	STAND	22	05	34.0	+53	04	00	6.6			32	SWP	18682	L	L	0	4	00	82	332	17	57	V	/	* 300
	HD210221	STAND	22	05	34.0	+53	04	00	6.6			32	LWR	14744	L	L	0	4	00	82	332	18	04	V	/	* 702 4-MIN-HTR
	HD210221	STAND	22	05	34.0	+53	04	00	6.6			32	SWP	18683	L	L	0	12	00	82	332	18	35	V	/	* 500
	HD210221	STAND	22	05	34.0	+53	04	00	6.6			32	LWR	14745	L	L	0	2	00	82	332	19	05	V	/	* 502
	RV PEG	EI215	22	11	36.0	+12	27	00	12.6			54	LWR	13924	L	L	0	15	00	82	224	01	07	V	/	* 322 4-MIN-HTR-WM-UP
	RV PEG	EI215	22	11	36.0	+12	27	00	12.6			54	SWP	17664	L	L	0	18	00	82	224	01	29	V	/	* 331
HD	211564	WREPC	22	14	33.1	+55	22	35	11.6		WN	11	LWR	14546	L	L	0	024	00	82	306	05	07	G	82/307*	E=228,C=200,B=35
HD	211564	WREPC	22	14	33.2	+55	22	36	11.6		WN	11	LWR	13341	L	L	0	030	00	82	149	17	25	G	82/152	C=1.5X,B=83
HD	211564	WREPC	22	14	33.2	+55	22	36	11.6		WN	11	SWP	17063	L	L	0	030	00	82	149	18	01	G	82/152	E=1.2X,C=2X,B=160
HD	211564	WREPC	22	14	33.2	+55	22	36	11.6		WN	11	SWP	18450	L	L	0	025	00	82	306	04	25	G	82/307*	E=250,C=140,B=40
X	2215-086	CVEJP	22	15	17.1	-08	35	01	13.3			59	LWR	13610	L	L	0	040	00	82	186	12	03	G	82/188	C=160,B=65
X	2215-086	CVEJP	22	15	17.1	-08	35	01	13.3			59	SWP	17360	L	L	0	020	00	82	186	12	47	G	82/188	E=76,C=1.5X,B=30
X	2215-086	CVEJP	22	15	17.1	-08	35	01	13.3			59	LWR	13611	L	L	0	030	00	82	186	13	25	G	82/188	C=140,B=80
X	2215-086	CVEJP	22	15	17.1	-08	35	01	13.3			59	SWP	17361	L	L	0	015	00	82	186	14	01	G	82/188	E=115,C=100,B=80
X	2215-086	CVEJP	22	15	17.2	-08	35	02	13.3			63	LWR	14792	L	L	0	030	00	82	340	19	04	G	82/341*	E=120,C=95,B=26
X	2215-086	CVEJP	22	15	17.2	-08	35	02	13.3			63	SWP	18742	L	L	0	050	00	82	340	19	41	G	82/341*	E=155,C=66,B=30
X	2215-086	CVEJP	22	15	17.2	-08	35	02	13.3			63	LWR	14793	L	L	0	025	00	82	340	20	38	G	82/341*	E=99,C=85,B=30
X	2215-086	CVEJP	22	15	17.2	-08	36	02	13.3			63	SWP	18743	L	L	0	040	00	82	340	21	07	G	82/341*	E=126,C=55,B=30
X	2215-086	CVEJP	22	15	17.2	-08	35	02	13.3			63	LWR	14794	L	L	0	025	00	82	340	21	53	G	82/341*	E=89,C=70,B=29
X	2215-086	CVEJP	22	15	17.2	-08	35	02	13.3			63	SWP	18744	L	L	0	040	00	82	340	22	23	G	82/341*	E=117,C=48,B=30

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG							MN	SC	MIN	SE	YR			
X	2215-086	CVEJP	22 15	17.2	-08 35	02	13.3			63 LWR	14795	L L 0	025	00	82 340	23 09	G 82/341*	E=95,C=80,B=30	
X	2215-086	CVEJP	22 15	17.2	-08 35	02	13.3			63 SWP	18745	L L 0	040	00	82 340	23 39	G 82/341*	E=129,C=65,B=26	
X	2215-086	CVEJP	22 15	17.4	-08 36	03	13.3			63 SWP	18765	L M 0	041	49	82 344	02 47	G 82/344*	E=73,C=55,B=30	
X	2215-086	CVEJP	22 15	17.4	-08 36	03	13.3			63 SWP	18766	L M 0	041	49	82 344	04 00	G 82/344*	E=72,C=50,B=32	
X	2215-086	CVEJP	22 15	17.4	-08 36	03	13.3			63 SWP	18767	L M 0	041	49	82 344	05 13	G 82/344*	E=75,C=60,B=33	
X	2215-086	CVEJP	22 15	17.4	-08 36	03	13.3			63 SWP	18768	L M 0	020	00	82 344	06 26	G 82/347*	E=48,C=45,B=30	
HD	211853	HLEPM	22 15	54.5	+55 52	30	9.2	06		11 LWR	14544	L L 0	002	00	82 305	21 31	G 82/306*	C=140,B=26	
HD	211853	WREPC	22 15	54.5	+55 52	30	9.2	WN		11 LWR	13342	L L 0	005	00	82 149	19 05	G 82/152	COM C=1.3X,B=44	
HD	211853	WREPC	22 15	54.5	+55 52	30	9.2	WN		11 SWP	17064	L L 0	005	00	82 149	19 14	G 82/152	E=225,C=170,B=73	
	L119-34	EA014	22 16	11.0	-65 44	00	14.4			43 LWR	14743	L L 0	230	00	82 332	13 08	V / *	306 4-MIN-HTR, MN=76	
HD	211853	HLEPM	22 16	54.5	-55 52	30	9.2	06		11 SWP	18448	L L 0	006	00	82 305	21 19	G 82/306*	E=139,C=129,B=19	
HD	213049	WREPC	22 25	23.5	+55 59	53	11.7	WC		10 LWR	13364	L L 0	019	00	82 151	15 47	G 82/152	E=226,C=165,B=60	
HD	213049	WREPC	22 25	23.5	+55 59	53	11.7	WC		10 SWP	17079	L L 0	017	00	82 151	16 15	G 82/152	E=160,C=145,B=96	
HD	213306	DCEES	22 27	18.4	+58 09	31	4.5	F8	IB	53 SWP	17926	L L 0	150	00	82 255	00 01	G 82/257	E=85,C=20,B=33	
HD	213310	HCETA	22 27	26.4	+47 27	01	4.3	B		39 LWR	15300	H L 0	028	00	83 047	05 21	G 83/047*	E=195,C=180,B=35	
	HD213845	EC052	22 31	58.0	-20 58	00	5.2			41 SWP	17037	L L 0	8	30	82 145	03 47	V /	500	
HD	214680	IGEJS	22 37	00.8	+38 47	22	4.9	09	V	12 SWP	17394	H L 0	000	50	82 191	12 18	G 82/193	C=200,B=35	
HD	214680	IGEJS	22 37	00.8	+38 47	22	4.9	09	V	12 LWR	13646	H L 0	000	36	82 191	12 22	G 82/193	C=180,B=30	
	HD214680	PHCAL	22 37	01.0	+38 47	00	4.9			13 LWP	1527	L L 0	2	82	110 04	37	V /	503 TRAIL R=9.90	
	HD214680	PHCAL	22 37	01.0	+38 47	00	4.9			13 LWP	1528	H L 0	36	82	110 05	09	V /	402	
HD	214714	LGETS	22 37	18.3	+37 19	54	6.0	GO	II	45 LWR	13545	H L 0	015	00	82 173	17 55	G 82/174	C=100,B=46	
HD	214714	LGETS	22 37	18.3	+37 19	54	6.0	GO	II	45 SWP	18760	L L 0	180	00	82 343	00 33	G 82/343*	E=89,C=135,B=57	
	HD214994	EA051	22 39	24.0	+29 03	00	4.8			30 LWR	14306	H L 0	8	00	82 274	14 31	V / *	502 4-MIN-HTR	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 LWR	14085	H L 0	020	00	82 246	13 18	G 82/250	E=2-3X,C=125,B=65	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 LWR	14086	L T 0	001	08	82 246	14 11	G 82/246	E=208,C=85,B=26	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 LWR	14086	L S 0	000	18	82 246	14 20	G 82/246	E=208,C=70,B=26	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 LWR	14087	H L 0	010	00	82 246	14 47	G 82/250	E=2X,C=85,B=39	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 SWP	17846	L L 0	030	00	82 246	15 03	G 82/250	E=144,C=85,B=50	
HD	214952	CSEJL	22 39	41.3	-47 08	47	2.2	M3	II	49 SWP	17847	H L 0	975	00	82 246	16 03	G 82/250	E=2X,C=220,B=160	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 LWR	13198	H S 0	026	00	82 128	12 09	G 82/130	E=120,C=210,B=32	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 SWP	16932	L S 0	001	20	82 128	18 44	G 82/131	C=85,B=35	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 SWP	16932	L L 0	002	00	82 128	18 49	G 82/131	C=3X,B=35	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 LWR	13203	H L 0	010	00	82 128	19 04	G 82/130	C=1.5X,B=50	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 SWP	17297	L L 0	000	40	82 177	17 03	G 82/180	C=180,B=18	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 LWR	13557	H L 0	010	30	82 177	17 10	G 82/179	E=130,C=220,B=33	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 LWR	14030	H L 0	012	00	82 240	05 36	G 82/242	C=255,B=40	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 SWP	17791	L L 0	000	50	82 240	05 52	G 82/242	C=220,B=15	
HD	215182	CBESP	22 40	39.3	+29 57	33	1.6	A2	V	39 LWR	14036	H L 0	012	00	82 240	13 52	G 82/242	E=178,C=1.5X,B=65	
HD	215441	BPEJL	22 42	05.6	+55 19	35	8.6	B7		27 SWP	18989	H L 0	210	00	83 012	00 42	G 83/012*	C=180,B=55	
HD	215665	LGEEB	22 44	07.1	+23 18	06	4.0	G8	III	45 SWP	18912	L L 0	240	00	82 364	18 26	G 83/006*	E=101,C=83,B=42	

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE				ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS					
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR	MN								
HD	215665	LGEEB	22	44	07.1	+23	18	06	4.0	G8	III	45	LWR	14965	H	L	0	060	00	82	364	22	32	G 83/006*	E=184,C=1.2X,B=60		
HD	215648	LDSDS	22	44	11.6	+11	54	57	4.2	F7	V	41	LWR	13589	H	L	0	018	00	82	183	14	57	G 82/187	E=146,C=2X,B=75		
HD	215648	LDSDS	22	44	11.6	+11	54	57	4.2	F7	V	41	SWP	18653	L	L	0	120	00	82	329	01	54	G 82/333*	E=198,C=5X,B=40		
	RZ	GRU	EC275	22	44	12.0	-43	00	00	12.5		54	LWR	13627	L	L	0	30	00	82	189	01	14	V /	* 502		
	RZ	GRU	EC275	22	44	12.0	-43	00	00	12.5		54	SWP	17378	L	L	0	30	00	82	189	01	52	V /	* 541		
	RZ	GRU	EC275	22	44	12.0	-43	00	00	12.5		54	SWP	17379	L	L	0	47	00	82	189	02	59	V /	* 551		
	RZ	GRU	EIO87	22	44	12.0	-43	00	00	12.5		54	SWP	18191	L	L	0	26	00	82	275	21	20	V /	* 400		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.5		* 54	SWP	17862	L	L	0	40	00	82	249	22	32	V /	* 441		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.5		* 54	LWR	14104	L	L	0	27	00	82	249	23	16	V /	* 452 4-MIN-HTR		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.5		* 54	SWP	17902	L	L	0	35	00	82	252	22	05	V /	* 500		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.5		54	LWR	14136	L	L	0	30	00	82	252	22	43	V /	* 503 4-MIN-HTR		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.9		54	SWP	18138	L	L	0	35	00	82	270	21	15	V /	* 441		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.9		54	LWR	14278	L	L	0	30	00	82	270	21	55	V /	* 553		
	RZ	GRU	EI273	22	44	12.0	-43	00	00	12.9		54	SWP	18139	L	L	0	35	00	82	270	22	28	V /	* 441		
	RZ	GRU	EI274	22	44	12.0	-43	00	00	12.5		54	LWR	14159	L	L	0	30	00	82	255	19	57	V /	* 503		
	RZ	GRU	EI274	22	44	12.0	-43	00	00	12.5		54	SWP	17938	L	L	0	40	00	82	255	20	33	V /	* 551		
	RZ	GRU	CVEJP	22	44	19.7	-43	00	40	12.6		54	SWP	17346	L	L	0	015	00	82	184	15	12	G 82/188	E=140,C=133,B=72		
	RZ	GRU	CVEJP	22	44	19.7	-43	00	40	12.6		54	LWR	13596	L	L	0	025	00	82	184	15	33	G 82/188	C=246,B=73		
	RZ	GRU	CVEJP	22	44	19.7	-43	00	39	12.6		54	SWP	17347	L	L	0	020	00	82	184	16	04	G 82/188	E=210,C=211,B=125		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	SWP	18213	L	L	0	100	00	82	278	17	40	V /	* 130		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	LWR	14342	L	L	0	25	00	82	278	19	24	V /	* 142 4-MIN-HTR		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	SWP	18214	L	L	0	112	00	82	278	19	55	V /	* 131		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	SWP	18224	L	L	0	110	00	82	279	17	44	V /	* 131		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	LWR	14346	L	L	0	25	00	82	279	19	38	V /	* 142		
	EV	LAC	EC283	22	44	40.0	+44	05	00	10.2		66	SWP	18225	L	L	0	97	00	82	279	20	10	V /	* 130		
	HD215835	EI203	22	44	54.0	+57	49	00	8.6			26	SWP	18556	H	L	0	109	00	82	318	17	58	V /	* 401		
	G67-23	FBEAH	22	46	36.0	+22	20		14.3		A	WD	37	SWP	18385	L	L	0	105	00	82	297	23	18	G 82/299*	C=72,B=35	
BD	+62	2125	IEEBS	22	50	56.9	+63	08	30	8.95	EO.89	B2	V	20	SWP	17145	L	L	0	021	40	82	158	18	20	G 82/159	C=180,B=43
BD	+62	2125	IEEBS	22	50	56.9	+63	08	30	8.95	EO.89	B2	V	20	LWR	13437	L	S	0	030	00	82	158	18	54	G 82/159	C=2.25X,B=51
BD	+62	2125	IEEBS	22	50	56.9	+63	08	30	8.95	EO.89	B2	V	20	LWR	13437	L	L	0	006	40	82	158	19	29	G 82/159	C=235,B=51
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15221	L	L	0	016	00	83	040	14	48	G 83/042*	C=160,B=25	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15222	L	L	0	016	00	83	040	15	35	G 83/042*	C=185,B=25	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15223	L	L	0	016	00	83	040	16	24	G 83/042*	C=180,B=25	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15224	L	L	0	016	00	83	040	17	08	G 83/042*	C=160,B=25	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15225	L	L	0	024	00	83	040	17	53	G 83/042*	C=160,B=27	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15226	L	L	0	016	00	83	040	18	45	G 83/042*	C=160,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15227	L	L	0	016	00	83	040	19	30	G 83/042*	C=180,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15228	L	L	0	016	00	83	040	20	15	G 83/042*	C=175,B=35	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15229	L	L	0	020	00	83	040	21	00	G 83/042*	C=170,B=40	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5		G8	V	44	LWR	15230	L	L	0	024	00	83	040	21	50	G 83/042*	E=152,C=150,B=50	

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS						
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR				MN	YR/DAY				
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15231	L	L	0	016	00	83	040	22	47	G	83/042*	E=144,C=145,B=33	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15232	L	L	0	016	00	83	040	23	34	G	83/042*	E=163,C=190,B=29	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15248	L	L	0	016	00	83	041	18	02	G	83/042*	C=165,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15249	L	L	0	016	00	83	041	18	47	G	83/042*	C=185,B=27	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15250	L	L	0	016	00	83	041	19	31	G	83/042*	C=180,B=28	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15251	L	L	0	016	00	83	041	20	16	G	83/042*	C=155,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15252	L	L	0	020	00	83	041	21	06	G	83/042*	C=148,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15253	L	L	0	016	00	83	041	21	56	G	83/042*	E=167,C=160,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15254	L	L	0	016	00	83	041	22	43	G	83/045*	E=170,C=190,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15255	L	L	0	016	00	83	041	23	34	G	83/045*	E=170,C=160,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15256	L	L	0	018	00	83	042	00	19	G	83/045*	E=167,C=130,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15257	L	L	0	020	00	83	042	01	13	G	83/045*	E=161,C=160,B=30	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15258	L	L	0	016	00	83	042	02	03	G	83/045*	E=197,C=165,B=36	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15259	L	L	0	016	00	83	042	02	48	G	83/045*	E=188,C=190,B=44	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15260	L	L	0	016	00	83	042	03	32	G	83/045*	E=179,C=160,B=34	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15261	L	L	0	020	00	83	042	04	17	G	83/045*	E=161,C=144,B=32	
HD	216598	CBEJE	22	51	22.5	+37	40	19	8.5	G8	V	44	LWR	15262	L	L	0	020	00	83	042	05	06	G	83/045*	E=160,C=170,B=30	
Q	2251-178	GHEDY	22	51	25.8	-17	50	54	13.0	BO	V	85	LWR	13059	L	L	0	060	00	82	111	16	49	G	82/112	C=140,B=42	
Q	2251-178	GHEDY	22	51	25.9	-17	50	54	13.0	BO	V	85	SWP	16804	L	L	0	040	00	82	110	23	21	G	82/111	E=180,C=85,B=25	
Q	2251-178	GHEDY	22	51	25.9	-17	50	54	13.0	BO	V	85	LWR	13058	L	L	0	100	00	82	111	00	07	G	82/111	E=160,C=155,B=42	
Q	2251-178	GHEDY	22	51	25.9	-17	50	54	13.0	BO	V	85	SWP	16805	H	L	0	010	00	82	111	01	54	G	82/112	E=140-160,B=145	
	2251-178	EM233	22	51	26.0	-17	51	00	14.0			85	SWP	16805	H	L	0	890	00	82	111	01	54	V	/	* 139	
HD	216658	IEEBS	22	51	32.0	+61	52		8.9	BO	V	20	SWP	17143	L	L	0	025	00	82	158	15	18	G	82/159	C=210,B=34	
HD	216658	IEEBS	22	51	32.0	+61	52		8.9	BO	V	20	LWR	13435	L	S	0	025	00	82	158	15	53	G	82/159	C=2X,B=34	
HD	216658	IEEBS	22	51	32.0	+61	52		8.9	BO	V	20	LWR	13435	L	L	0	008	10	82	158	16	23	G	82/159	C=1.1X,B=34	
HD	216658	IEEBS	22	51	32.0	+61	52		8.9	BO	V	20	LWR	13456	L	L	0	020	50	82	160	15	08	G	82/161	C=2X,B=32	
HR	8714	COETA	22	52	07.5	+16	40	30	6.4	S4	III	50	LWR	13317	L	L	0	060	00	82	146	00	57	G	82/146	E=1.1X,C=100,B=29	
HR	8714	COETA	22	52	07.5	+16	40	30	6.4	S4	III	50	LWR	13318	H	L	0	300	00	82	146	02	58	G	82/147	E=210,C=WEAK,B=57	
HR	8714	COETA	22	52	07.6	+16	40	31	6.1	S4		50	LWR	14925	L	L	0	025	00	82	361	05	10	G	82/362*	E=187,C=80,B=45	
BD	+61	2365	IEEBS	22	52	18.0	+62	23	30	9.2	B1	V	20	SWP	17178	L	L	0	013	20	82	160	20	15	G	82/161	C=230,B=20
BD	+61	2365	IEEBS	22	52	18.0	+62	23	30	9.2	B1	V	20	LWR	13460	L	L	0	006	40	82	160	20	48	G	82/161	C=3X,B=32
BD	+61	2365	IEEBS	22	52	18.0	+62	23	30	9.2	B1	V	20	LWR	13460	L	S	0	033	20	82	160	20	59	G	82/161	C=1.2X,B=32
X	2252-035	CVEJP	22	52	43.0	-03	26	40	13.4			59	LWR	13612	L	L	0	040	00	82	186	15	00	G	82/188	C=220,B=120	
X	2252-035	CVEJP	22	52	43.0	-03	26	40	13.4			59	SWP	17362	L	L	0	015	00	82	186	15	46	G	82/188	E=128,C=140,B=108	
X	2252-035	CVEJP	22	52	43.0	-03	26	40	13.4			59	LWR	13613	L	L	0	035	00	82	186	16	17	G	82/188	C=250,B=140	
X	2252-035	CVEJP	22	52	43.0	-03	26	40	13.4			59	SWP	17363	L	L	0	010	00	82	186	17	59	G	82/188	E=149,C=140,B=110	
	2252-035	EE217	22	52	43.0	-03	27	00	13.2			59	SWP	16958	L	L	0	33	19	82	134	05	37	V	/	331 TRAILED,R=0.03,3	
	2252-035	EE217	22	52	43.0	-03	27	00	13.2			59	LWR	13241	L	L	0	13	00	82	134	07	31	V	/	301 4-MIN-HTR-WM-UP	
HD	216898	IEEBS	22	53	41.9	+62	02	05	8.04	EO.85	08	V	12	SWP	17175	L	S	0	010	00	82	160	15	41	G	82/161	C=210,B=20
HD	216898	IEEBS	22	53	41.9	+62	02	05	8.04	EO.85	08	V	12	SWP	17175	L	L	0	004	10	82	160	16	01	G	82/161	C=178,B=20

OBJECT ID	PROG ID	TARGET		TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MIN	SEC	DEG							MIN	SEC	MIN	SE	YR			
HD	216898	IEEBS	22 53	41.9	+62 02 05	8.04	EO.85	08	V	12	LWR	13457	L S 0	010 00	82 160 16 26	G	82/161	C=3X,B=30	
HD	216898	IEEBS	22 53	41.9	+62 02 05	8.04	EO.85	08	V	12	LWR	13457	L L 0	001 55	82 160 16 55	G	82/161	C=220,B=30	
HD	217061	IEEBS	22 54	43.0	+62 21 06	8.8		B1	V	20	SWP	17144	L L 0	020 50	82 158 16 45	G	82/159	C=195,B=35	
HD	217061	IEEBS	22 54	43.0	+62 21 06	8.8		B1	V	20	LWR	13436	L S 0	032 00	82 158 17 20	G	82/159	C=2.5X,B=42	
HD	217061	IEEBS	22 54	43.0	+62 21 06	8.8		B1	V	20	LWR	13436	L L 0	008 00	82 158 17 57	G	82/159	C=1.2X,B=42	
HD	217086	IEEBS	22 54	47.9	+62 27 17	7.66	EO.97	07		12	SWP	17176	L S 0	004 10	82 160 17 13	G	82/161	C=142,B=17	
HD	217086	IEEBS	22 54	47.9	+62 27 17	7.66	EO.97	07		12	SWP	17176	L L 0	002 05	82 160 17 49	G	82/161	C=123,B=17	
HD	217086	IEEBS	22 54	47.9	+62 27 17	7.66	EO.97	07		12	LWR	13458	L S 0	010 30	82 160 17 58	G	82/161	C=3X,B=B=32	
HD	217086	IEEBS	22 54	47.9	+62 27 17	7.66	EO.97	07		12	LWR	13458	L L 0	002 05	82 160 18 27	G	82/161	C=1.5X,B=32	
HD	217050	MLERH	22 54	51.6	+48 25	5.2		B2	III	60	LWR	14259	H S 0	005 00	82 268 13 27	G	82/270	C=250,B=60	
HD	217050	MLERH	22 54	51.6	+48 25	5.2		B2	III	60	SWP	18106	H S 0	006 00	82 268 14 00	G	82/270	C=1.1X,B=72	
HD	217050	MLERH	22 54	51.6	+48 25	5.2		B2	III	60	LWR	14290	H S 0	006 00	82 272 08 34	G	82/272	C=1.5X,B=38	
HD	217050	MLERH	22 54	51.6	+48 25	5.2		B2	III	60	SWP	18149	H S 0	007 00	82 272 08 44	G	82/273	C=250,B=40	
	HD217101	EM261	22 55	22.0	+39 02 00	6.2				20	SWP	18309	H L 0	6 00	82 290 16 41	V	/	* 501	
	MR119	WREPC	22 58	07.7	+60 39 29	11.2		WN		11	LWR	14556	L L 0	090 00	82 307 20 45	G	82/308*	C=200,B=33	
	MR119	WREPC	22 58	07.7	+60 39 29	11.2		WN		11	SWP	18465	L L 0	110 00	82 307 22 39	G	82/308*	C=65,B=36	
BD	+62 2154	IEEBS	22 58	34.9	+63 14 47	9.33	EO.79	B1	V	20	SWP	17146	L L 0	015 50	82 158 19 51	G	82/159	C=200,B=36	
BD	+62 2154	IEEBS	22 58	34.9	+63 14 47	9.33	EO.79	B1	V	20	LWR	13438	L S 0	030 00	82 158 20 25	G	82/159	C=2X,B=42	
BD	+62 2154	IEEBS	22 58	34.9	+63 14 47	9.33	EO.79	B1	V	20	LWR	13438	L L 0	006 40	82 158 20 59	G	82/159	C=230,B=42	
HD	217782	AAEJL	23 00	17.9	+42 29 19	5.0		A5	V	31	SWP	17451	L T 0	000 40	82 201 12 24	G	82/201	C=120,B=21	
HD	217782	AAEJL	23 00	17.9	+42 29 19	5.0		A5	V	31	LWR	13722	L T 0	000 45	82 201 12 33	G	82/201	C=220,B=26	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	LWR	14111	L S 0	18 82	250 16 15	V	/	* 502 4-MIN-HTR, MN=84	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				36	LWR	14111	L L 0	20 82	250 16 18	V	/	* 702 4-MIN-HTR, MN=84	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	SWP	17868	L S 0	44 82	250 16 22	V	/	* 501	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				36	SWP	17868	L L 0	1 30	82 250 16 25	V	/	* 701	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	LWR	14112	H L 0	15 00	82 250 16 57	V	/	* 503 4-MIN-HTR	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	SWP	17869	H L 0	22 00	82 250 17 25	V	/	* 500	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	LWR	14113	H L 0	25 00	82 250 18 05	V	/	* 703 4-MIN-HTR	
	HD217782	EA115	23 00	18.0	+42 29 00	5.1				* 36	SWP	17870	H L 0	35 00	82 250 18 42	V	/	* 501	
	NGC7469	EE252	23 00	44.0	+08 36 00	13.0				84	LWR	14824	L L 0	60 00	82 346 12 03	V	/	* 453	
	NGC7469	EE252	23 00	44.0	+08 36 00	13.0				84	SWP	18783	L L 0	100 00	82 346 13 06	V	/	* 531	
	NGC 7469	EE253	23 00	44.0	+08 36 00	13.1				84	SWP	18456	L L 0	40 00	82 306 14 42	V	/	* 330	
	NGC 7469	EE253	23 00	44.0	+08 36 00	13.1				84	LWR	14550	L L 0	30 00	82 306 15 26	V	/	* 343 4-MIN-HTR MN=779	
	NGC 7469	EE278	23 00	44.0	+08 36 00	13.0				84	LWR	13515	L L 0	60 00	82 169 02 17	V	/	344 4-MIN-HTR-WM-UP	
	NGC 7469	EE278	23 00	44.0	+08 36 00	13.0				84	SWP	17250	L L 0	120 00	82 169 03 22	V	/	451	
	NGC 7469	EE278	23 00	44.0	+08 36 00	13.0				84	SWP	17250	L S 0	20 00	82 169 05 27	V	/	221	
NGC	7469	QSESG	23 00	44.3	+08 36 17	13.0				84	SWP	18902	L M 0	105 00	82 361 23 56	G	82/362*	E=137,C=87,B=45	
NGC	7469	QSESG	23 00	44.4	+08 36 17	13.0				84	LWR	13715	L M 0	054 00	82 200 13 37	G	82/200	E=240,C=230,B=146	
NGC	7469	QSESG	23 00	44.4	+08 36 18	13.0				84	LWR	14937	L L 0	060 00	82 362 01 46	G	82/362*	E=119,C=100,B=38	
NGC	NGC 7469	QSEMG	23 00	44.5	+08 36 18	13.0				84	SWP	18335	L L 0	060 00	82 293 06 39	G	82/293*	E=138,C=92,B=43	



OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS					
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY	HR				MN				
NGC 7469	EE278	23	00	45.0	+08	36	00	13.0			84	LWR	13124	L	L	0	23	00	82	121	07	20	V	/	333	4-MIN-HTR-WM-UP
NGC 7469	EE278	23	00	45.0	+08	36	00	13.0			84	SWP	16886	L	L	0	80	00	82	123	06	27	V	/	341	
NGC 7469	EE278	23	00	45.0	+08	36	00	13.0			84	LWR	13800	L	L	0	75	00	82	210	20	53	V	/	* 454	4-MIN-HTR-WM-UP
NGC 7469	EE278	23	00	45.0	+08	36	00	13.0			84	SWP	17520	L	L	0	120	00	82	210	22	12	V	/	* 352	
NGC 7469	QSEMG	23	00	45.0	+08	36	18	13.1			84	SWP	18201	L	L	0	060	00	82	277	09	36	G	82/277	E=155,C=123,B=80	
NGC 7469	QSEMG	23	00	45.0	+08	36	18	13.1			84	SWP	18239	L	L	0	060	00	82	281	08	44	G	82/285	E=131,C=86,B=35	
NGC 7469	QSEMG	23	00	45.0	+08	36	18	13.1			84	SWP	18380	L	L	0	060	00	82	297	07	55	G	82/299*	E=131,C=110,B=65	
NGC 7469	QSEMG	23	00	45.0	+08	36	18	13.1			84	SWP	18459	L	L	0	060	00	82	307	06	13	G	82/307*	E=129,C=80,B=25	
HD 217979	IEEBS	23	01	21.9	+63	16	47	8.59	EO.61		*	20	SWP	17177	L	S	0	010	00	82	160	18	44	G	82/161	C=185,B=26
HD 217979	IEEBS	23	01	21.9	+63	16	47	8.59	EO.61		*	20	SWP	17177	L	L	0	004	40	82	160	19	17	G	82/161	C=181,B=26
HD 217979	IEEBS	23	01	21.9	+63	16	47	8.59	EO.61		*	20	LWR	13459	L	S	0	010	50	82	160	19	29	G	82/161	C=3X,B=32
HD 217979	IEEBS	23	01	21.9	+63	16	47	8.59	EO.61		*	20	LWR	13459	L	L	0	002	10	82	160	19	56	G	82/161	C=225,B=32
NGC25822	EE225	23	02	07.0	-08	57	00	14.0			84	SWP	17266	L	L	0	54	00	82	171	04	50	V	/	231	
NGC25822	EE266	23	02	07.0	-08	57	00	14.0			84	SWP	17489	L	L	0	120	00	82	206	21	29	V	/	* 351	
NGC25822	EE266	23	02	07.0	-08	57	00	14.0			84	LWR	13775	L	L	0	210	00	82	206	23	38	V	/	* 605	4-MIN-HTR-WM-UP
NGC25822	EE266	23	02	07.0	-08	57	00	14.0			84	SWP	17490	L	L	0	36	00	82	207	03	11	V	/	* 230	
-2-58-22	QSEMG	23	02	07.1	-08	57	19	13.9			84	SWP	18336	L	L	0	060	00	82	293	08	22	G	82/293*	E=190,C=143,B=99	
-2-58-22	QSEMG	23	02	07.2	-08	57	19	13.9			84	SWP	18240	L	L	0	075	00	82	281	10	33	G	82/285*	E=203,C=143,B=90	
-2-58-22	QSEMG	23	02	07.2	-08	57	19	13.9			84	SWP	18381	L	L	0	011	00	82	297	09	35	G	82/299*	E=62,C=65,B=50	
-2-58-22	QSEMG	23	02	07.2	-08	57	19	13.9			84	LWR	14474	L	L	0	017	00	82	297	10	19	G	82/299*	C=100,B=42	
-2-58-22	QSEMG	23	02	07.2	-08	57	19	13.9			84	SWP	18458	L	L	0	060	00	82	307	04	31	G	82/307*	E=104,C=70,B=32	
PG 2302+029	QSERJ	23	02	12.0	+02	55	34	15.2			85	SWP	17077	L	L	0	297	00	82	151	08	22	G	82/152	C=110,B=82	
HD 218356	CCEJL	23	04	40.0	+25	12		4.8		KO	II	47	LWR	13534	H	L	0	045	00	82	172	06	33	G	82/172	E=1.1X,C=90,B=32
HD 218356	CCEJL	23	04	40.0	+25	12	00	4.78			47	LWR	14614	H	L	0	045	00	82	317	05	54	G	82/319*	E=2X,C=100,B=32	
HD 218356	CCEJL	23	04	40.2	+25	11	52	4.8		KO	II	47	LWR	14084	H	L	0	045	00	82	246	10	52	G	82/246	E=2X,C=105,B=40
HD218393	EA166	23	04	51.0	+49	55	00	6.8			26	SWP	17841	H	L	0	80	00	82	245	19	46	V	/	* 511	
HD218393	EA166	23	04	51.0	+49	55	00	6.8			26	LWR	14077	H	L	0	70	00	82	245	21	09	V	/	* 613	4-MIN-HTR
HD218393	EI113	23	04	51.0	+49	55	00	6.8			26	SWP	18754	H	L	0	80	00	82	342	11	39	V	/	* 552	
HD218393	EI113	23	04	51.0	+49	55	00	6.8			26	LWR	14809	H	L	0	70	00	82	342	13	02	V	/	* 779	PREP ABORT.NOT U
HD 218393	MLERH	23	04	51.1	+49	55	18	6.8		B3	V	60	LWR	14260	H	L	0	020	00	82	268	14	22	G	82/270	C=170,B=64
HD 218393	MLERH	23	04	51.1	+49	55	18	6.8		B3	V	60	SWP	18107	H	L	0	030	00	82	268	14	53	G	82/270	C=140,B=65
HD 218393	MLERH	23	04	51.1	+49	55	18	6.8		B3	V	60	LWR	14261	H	L	0	017	00	82	268	15	28	G	82/270	E=150,C=140,B=34
HD 218393	MLERH	23	04	51.1	+49	55	18	6.8		B3	V	60	SWP	18150	H	L	0	030	00	82	272	09	23	G	82/273	E=106,C=120,B=45
HD 218393	MLERH	23	04	51.1	+49	55	18	6.8		B3	V	60	LWR	14291	H	L	0	035	00	82	272	10	06	G	82/273	C=190,B=63
HD 218658	HCETA	23	06	18.0	+75	07	01	4.5			39	LWR	15268	L	L	0	000	30	83	043	14	24	G	83/045*	C=180,B=25	
HD 218658	HCETA	23	06	18.0	+75	07	01	4.5			39	SWP	19239	L	L	0	004	00	83	043	14	28	G	83/045*	C=140,B=19	
2308+098	EE258	23	08	46.0	+09	52	00	15.0			85	SWP	16945	L	L	0	388	00	82	132	01	18	V	/	352	
PG 2309+105	WDECB	23	09	49.9	+10	30	41	0.0		05	WD	37	LWR	13287	L	L	0	014	00	82	141	15	32	G	82/144	C=200,B=30
PG 2309+105	WDECB	23	09	49.9	+10	30	41	0.0		05	WD	37	SWP	17011	L	L	0	006	00	82	141	16	03	G	82/144	C=200,B=19
PG 2309+105	WDECB	23	09	50.0	+10	30	42	0.0		05	WD	37	SWP	17010	H	L	0	400	00	82	141	08	46	G	82/144	C=205,B=105

OBJECT ID	PROG ID	TARGET			TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION			ST ID	PROC DATE	OBSERVERS COMMENTS					
		HR	MN	SEC	DEG	MN	SC						S P A	MIN	SE	YR	DAY	HR				MN	YR/DAY			
NGC 7469	EE217	23	11	44.0	+08	36	00	13.3			84	SWP	16956	L	L	0	45	00	82	134	00	57	V	/	331	
HD 219460	WREPC	23	13	02.0	+60	10	40	10.0		WN	11	LWR	13363	L	L	0	017	00	82	151	14	29	G	82/152	C=220,B=54	
HD 219460	WREPC	23	13	02.0	+60	10	40	10.0		WN	11	SWP	17078	L	L	0	014	00	82	151	14	53	G	82/152	C=132,B=102	
F108	EA144	23	13	36.0	-02	07	00	12.9			37	SWP	17284	L	L	0	5	00	82	173	22	48	V	/	301	
F108	EA144	23	13	36.0	-02	07	00	12.9			37	LWR	13548	L	L	0	22	00	82	173	22	57	V	/	502	
F108	EA144	23	13	36.0	-02	07	00	12.9			37	SWP	17285	L	L	0	10	00	82	173	23	40	V	/	501	
PG 2313-021	WDECB	23	13	36.0	-02	07		0.0		05	WD	37	LWR	13288	L	L	0	015	00	82	141	17	14	G	82/144	C=200,B=32
PG 2313-021	WDECB	23	13	36.0	-02	07		0.0		05	WD	37	SWP	17012	L	M	0	014	00	82	141	17	48	G	82/144	C=140,B=19
NGC7590	EE276	23	16	09.0	-42	31	00	13.0			81	SWP	18764	L	L	0	413	00	82	343	10	53	V	/	* 304	
NGC7590	EE276	23	16	09.0	-42	31	00	13.5			80	LWR	14821	L	L	0	412	00	82	345	10	49	V	/	* 209 MN=794	
L791-40	EI144	23	17	06.0	-17	22	00	14.0			43	SWP	17278	L	L	0	410	00	82	172	22	56	V	/	503	
NGC 7635	NAERD	23	18	27.9	+60	55	09	0.0			72	SWP	18171	L	L	0	043	00	82	274	13	04	G	82/274	C=85,B=80	
NGC 7662	EA254	23	23	29.0	+42	16	00	10.0			70	SWP	17076	L	L	0	15	00	82	151	05	36	V	/	570	
NGC 7662	NPETB	23	23	29.4	+42	15	36	8.4			70	SWP	17431	L	S	0	005	00	82	196	17	49	G	82/197	E=188,C=165,B=130	
NGC 7662	NPETB	23	23	29.4	+42	15	36	8.4			70	SWP	17432	L	L	0	003	00	82	196	18	28	G	82/197	E=198,C=75,B=42	
NGC 7662	NPETB	23	23	30.0	+42	15	26	8.4			71	SWP	17433	L	S	0	020	00	82	196	19	27	G	82/197	C=35,B=20	
HB 12	EA254	23	23	57.0	+57	54	00	12.0			70	SWP	17075	L	L	0	150	00	82	151	00	43	V	/	231	
HB 12	EA254	23	23	57.0	+57	54	00	12.0			70	LWR	13359	L	L	0	120	00	82	151	03	18	V	/	331	
G29-38	FBEAH	23	26	15.1	+04	58	26	13.2		A	WD	37	LWR	14459	L	L	0	060	00	82	295	03	22	G	82/295*	C=207,B=38
G29-38	FBEAH	23	26	15.1	+04	58	26	13.2		A	WD	37	SWP	18359	L	L	0	085	00	82	295	04	26	G	82/295*	C=176,B=60
G29-38	FBEAH	23	26	15.1	+04	58	26	13.2		A	WD	37	LWR	14476	L	L	0	105	05	82	298	01	48	G	82/299*	C=185,B=31
G29-38	FBEAH	23	26	15.1	+04	58	26	13.2		A	WD	37	LWR	14477	L	L	0	057	00	82	298	04	40	G	82/299*	C=133,B=32
HD 221507	BPEJJ	23	30	17.6	-38	05	41	4.4		B9	27	LWR	15042	H	S	0	003	00	83	012	04	53	G	83/012*	C=115,B=29	
HD 221507	BPEJJ	23	30	17.6	-38	05	41	4.4		B9	27	SWP	18990	H	S	0	005	00	83	012	05	00	G	83/012*	C=170,B=30	
HD 221507	BPEJJ	23	30	17.6	-38	05	41	4.4		B9	27	LWR	15043	H	S	0	004	30	83	012	05	34	G	83/012*	C=220,B=34	
HD 221507	BPEJJ	23	30	17.6	-38	05	41	4.4		B9	27	SWP	18991	H	S	0	006	30	83	012	06	05	G	83/012*	C=205,B=34	
Z AND	EIO99	23	31	15.0	+48	33	00	10.3			55	SWP	18601	L	L	0	40	00	82	323	12	33	V	/	* 571	
Z AND	EIO99	23	31	15.0	+48	33	00	10.3			55	SWP	18601	L	S	0	20	00	82	323	13	16	V	/	* 361	
Z AND	EIO99	23	31	15.0	+48	33	00	10.3			55	LWR	14669	L	L	0	20	00	82	323	13	41	V	/	* 561 4-MIN-HTR	
SAO 53204	CSEMG	23	35	06.0	+46	11	14	3.8		G8	IV	44	LWR	14652	H	L	0	004	30	82	321	08	49	G	82/321*	E=182,C=80,B=35
SAO 53204	CSEMG	23	35	06.0	+46	11	01	3.8		G8	IV	45	SWP	18577	L	L	0	025	00	82	321	09	18	G	82/321*	E=161,C=135,B=95
SAO 53204	CSEMG	23	35	06.0	+46	11	01	3.8		G8	IV	44	LWR	14653	H	L	0	009	00	82	321	09	53	G	82/321*	E=2X,C=100,B=37
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	SWP	18480	H	L	0	420	00	82	309	22	04	G	82/312*	E=2X,C=140,B=100
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	LWR	14568	H	L	0	005	00	82	310	05	35	G	82/312*	E=204,C=70,B=25
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	SWP	18481	L	L	0	025	00	82	310	06	09	G	82/312*	E=166,C=50,B=25
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	LWR	14569	H	L	0	005	00	82	310	06	45	G	82/312*	E=215,C=70,B=25
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	SWP	18482	L	L	0	025	00	82	310	07	19	G	82/312*	E=192,C=60,B=30
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	LWR	14570	H	L	0	005	00	82	310	07	51	G	82/312*	E=214,C=75,B=25
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	SWP	18483	L	L	0	025	00	82	310	08	26	G	82/312*	E=183,C=80,B=40
HD 222107	RSESB	23	35	06.4	+46	11	13	3.9		G8	III	45	LWR	14571	H	L	0	005	00	82	310	08	59	G	82/312*	E=208,C=65,B=32

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS						
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY				HR	MN	YR/DAY			
HD	222107	RSESB	23	35	06.4	+46	11	13	3.9	G8	III	45	SWP	18484	L	L	0	025	00	82	310	09	32	G	82/312*	E=196,C=120,B=75
HD	222107	RSESB	23	35	06.4	+46	11	13	3.9	G8	III	45	SWP	18485	L	L	0	003	00	82	310	10	31	G	82/312*	B=20
HD	222107	RSESB	23	35	06.4	+46	11	13	3.9	G8	III	45	LWR	14572	L	L	0	000	45	82	310	11	01	G	82/312*	E=1.5X,C=200,B=21
HD	222107	RSESB	23	35	06.4	+46	11	13	3.9	G8	III	45	SWP	18486	L	L	0	003	00	82	310	11	07	G	82/312*	B=18
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19272	L	L	0	015	00	83	047	22	18	G	83/048*	E=148,C=85,B=62
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	LWR	15304	L	L	0	005	00	83	047	22	41	G	83/048*	E=60X,C=8X,B=30
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19273	L	L	0	020	00	83	047	23	15	G	83/048*	E=169,C=90,B=60
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19274	L	L	0	020	00	83	048	00	19	G	83/048*	E=159,C=90,B=57
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	LWR	15305	H	L	0	005	00	83	048	00	51	G	83/048*	E=203,C=85,B=27
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19275	L	L	0	015	00	83	048	01	25	G	83/048*	E=160,C=105,B=87
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	LWR	15306	H	L	0	004	00	83	048	02	25	G	83/048*	E=186,C=90,B=43
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19276	L	L	0	012	00	83	048	02	34	G	83/048*	E=184,C=145,B=125
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	LWR	15307	H	L	0	005	00	83	048	03	26	G	83/048*	E=236,C=90,B=40
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	SWP	19277	L	L	0	018	00	83	048	03	36	G	83/048*	E=173,C=107,B=85
HD	222107	RSESB	23	35	06.4	+46	11	13	3.88	G8	III	45	LWR	15308	H	L	0	005	00	83	048	04	34	G	83/049*	E=216,C=80,B=25
SAO	53204	CSEMG	23	35	06.5	+46	11	14	3.8	G8	IV	44	SWP	17516	L	L	0	020	00	82	210	14	24	G	82/214	E=191,C=140,B=102
SAO	53204	CSEMG	23	35	06.5	+46	11	14	3.8	G8	IV	44	LWR	13796	H	L	0	004	15	82	210	14	48	G	82/211	E=198,C=95,B=38
SAO	53204	CSEMG	23	35	06.5	+46	11	14	3.8	G8	IV	44	LWR	13803	H	L	0	004	30	82	211	13	13	G	82/214	E=199,C=85,B=32
SAO	53204	CSEMG	23	35	06.5	+46	11	14	3.8	G8	IV	44	SWP	17524	L	L	0	020	00	82	211	13	25	G	82/214	E=2X,C=125,B=100
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	SWP	17536	L	L	0	020	00	82	212	14	42	G	82/214	E=2X,C=100,B=68
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	LWR	13818	H	L	0	004	30	82	212	15	08	G	82/215	E=209,C=80,B=30
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	SWP	18576	L	L	0	020	00	82	321	08	12	G	82/321*	E=142,C=117,B=88
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	LWR	14658	H	L	0	004	30	82	322	04	25	G	82/322*	E=206,C=75,B=29
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	SWP	18582	L	L	0	020	00	82	322	04	39	G	82/322*	E=108,C=50,B=25
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	SWP	18599	L	L	0	025	00	82	323	09	58	G	82/323*	E=145,C=65,B=30
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	LWR	14667	H	L	0	009	00	82	323	10	31	G	82/323*	E=2X,C=90,B=30
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	SWP	18600	L	L	0	030	00	82	323	10	59	G	82/323*	E=158,C=60,B=30
SAO	53204	CSEMG	23	35	06.5	+46	11	01	3.8	G8	IV	44	LWR	14668	H	L	0	004	30	82	323	11	32	G	82/323*	E=185,C=70,B=26
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	SWP	18479	L	L	0	020	00	82	309	21	07	G	82/312*	E=121,C=50,B=25
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	LWR	14567	H	L	0	005	00	82	309	21	32	G	82/312*	E=200,C=70,B=25
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	LWR	14804	H	L	0	005	00	82	341	20	26	G	82/343*	E=207,C=75,B=25
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	SWP	18750	H	L	0	420	00	82	341	20	37	G	82/344*	E=1.5X,C=220,B=208
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	LWR	14805	H	L	0	005	00	82	342	03	43	G	82/343*	E=186,C=82,B=26
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	SWP	18751	L	L	0	025	00	82	342	08	22	G	82/342*	E=170,C=40,B=25
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	LWR	14807	L	L	0	000	40	82	342	08	52	G	82/343*	E=2X,C=200,B=20
HD	222107	RSESB	23	35	06.5	+46	11	14	3.9	G8	III	45	SWP	18752	L	M	0	012	00	82	342	09	20	G	82/343*	E=207,C=43,B=28
R AQR	OD71B	23	41	13.9	-15	33	52	6.50	M7	57	SWP	16917	L	L	0	060	00	82	127	14	13	G	82/127	B=65		
R AQR	OD71B	23	41	14.2	-15	33	42	6.50	M7	57	SWP	16918	L	L	0	030	00	82	127	15	44	G	82/130	E=2X,B=140		
R AQR	OD71B	23	41	14.2	-15	33	42	6.50	M7	57	LWR	13189	L	L	0	020	00	82	127	16	17	G	82/130	E=2X,C=140,B=65		
R AQR	OD71B	23	41	14.2	-15	33	43	9.2		57	SWP	16919	L	S	0	030	00	82	127	16	43	G	82/130	E=170,B=55		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L P R P	EXPOSE TIME MIN SE	OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC								YR	DAY	HR			
R AQR	ZAELW	23 41 14.3	-15 33 46	9.0	M	III	57 LWR 14046	L L 0 010 00	82 241 13 46	G 82/243	E=1.5X,C=100,B=42									
R AQR	ZAELW	23 41 14.3	-15 33 46	9.0	M	III	57 LWR 14046	L S 0 015 00	82 241 13 59	G 82/243	E=214,C=80,B=42									
R AQR	ZAELW	23 41 14.3	-15 33 46				57 SWP 17803	L L 0 042 00	82 241 14 39	G 82/243	E=2X,C=82,B=52									
R AQR	ZAELW	23 41 14.3	-15 33 46				57 SWP 17803	L S 0 042 00	82 241 14 40	G 82/243	E=2X,C=82,B=52									
R AQR	ZAELW	23 41 14.3	-15 33 42	9.0	M	III	57 SWP 18368	H L 0 240 00	82 295 22 53	G 82/298*	E=2 2.5X,C=70,B=53									
R AQ JET	OD74B	23 41 14.4	-15 33 37	13.0	EO.30		57 SWP 18920	L L 0 025 00	82 365 18 24	G 83/006*	E=173,C=160,B=125									
R AQ JET	OD74B	23 41 14.4	-15 33 37	13.0	EO.30		57 SWP 18920	L S 0 290 00	82 365 19 05	G 83/006*	E=255,C=170,B=125									
R AQU	OD74B	23 41 14.4	-15 33 37	+9.2	M7		57 SWP 18921	L L 0 030 00	83 001 00 38	G 83/006*	E=2X,C=100,B=40									
R AQR	OD71B	23 41 14.5	-15 33 33	6.50	M7		57 SWP 16916	L L 0 240 00	82 127 09 35	G 82/127	E=247,C=97,B=57									
R AQR	OD71B	23 41 14.5	-15 33 33	6.50	M7		57 LWR 13188	L L 0 040 00	82 127 13 41	G 82/127	E=105,C=106,B=57									
RAD SPOT	OD71B	23 41 20.4	-15 30 52		EO.65	M7	57 LWR 13190	L L 0 025 00	82 127 17 21	G 82/130	B=80									
SB 815	EA035	23 41 42.0	-34 43 00	11.0			28 SWP 17981	L L 0 2 00	82 259 19 07	V /	* 600									
HD 223047	HCETA	23 43 32.9	+46 08 34	5.0		G5 IB	39 LWR 15299	L L 0 000 48	83 047 04 49	G 83/047*	C=150,B=25									
HD 223047	HCETA	23 43 32.9	+46 08 34	5.0		G5 IB	39 SWP 19268	L L 0 002 00	83 047 04 53	G 83/047*	C=140,B=25									
HD223047	EC201	23 43 33.0	+46 09 00	5.0			45 LWR 13837	L L 0 3 00	82 214 00 37	V /	* 702									
HD223047	EC201	23 43 33.0	+46 09 00	5.0			45 LWR 13837	L S 0 3 00	82 214 00 43	V /	* 502 MN=475									
HD223047	EC201	23 43 33.0	+46 09 00	5.0			45 SWP 17558	L L 0 20 00	82 214 01 06	V /	* 801									
HD223047	EC201	23 43 33.0	+46 09 00	5.0			45 SWP 17558	L S 0 16 00	82 214 01 30	V /	* 601									
TX PSC	EC152	23 43 50.0	+03 13 00	5.0			50 LWR 14939	L L 0 80 00	82 362 12 45	V /	* 342									
TX PSC	EC152	23 43 50.0	+03 13 00	5.0			50 LWR 14939	L S 0 10 00	82 362 14 09	V /	* 102									
TX PSC	RNEHJ	23 43 50.0	+03 12 33	5.0		NO IB	50 SWP 18828	L L 0 445 00	82 353 18 25	G 82/354*	B=83									
TX PSC	RNEHJ	23 43 50.1	+03 12 34	5.0		NO IB	50 LWR 14062	L L 0 090 00	82 243 02 35	G 82/244	E=85,C=80,B=31									
TX PSC	RNEHJ	23 43 50.1	+03 12 34	5.0		NO IB	50 SWP 17815	L L 0 120 00	82 243 04 12	G 82/244	B=25									
PKS 2349-014	QSERP	23 49 22.3	-01 25 54	15.5			86 SWP 17715	L L 0 155 00	82 229 07 13	G 82/230	E=103,C=78,B=43									
PKS 2349-014	RGERP	23 49 22.3	-01 25 54	15.5			86 LWR 13970	L L 0 240 00	82 229 03 10	G 82/230	C=145,B=50									
PKS 2349-014	RGERP	23 49 22.3	-01 25 54	15.5			86 LWR 14575	L L 0 390 00	82 310 21 14	G 82/312*	C=185,B=65									
HD 224085	BYEJL	23 52 28.9	+28 21 17	6.0		K1 IV	46 LWR 15191	H L 0 040 00	83 036 13 53	G 83/041*	E=127,C=60,B=30									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19165	L L 0 080 00	83 032 23 14	G 83/033*	E=1.5X,C=65,B=38									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 LWR 15159	H L 0 040 00	83 033 00 39	G 83/033*	E=239,C=70,B=33									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19167	L L 0 050 00	83 033 03 30	G 83/033*	E=194,C=100,B=66									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 LWR 15161	H L 0 040 00	83 033 04 25	G 83/033*	E=1X,C=80,B=35									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19168	L L 0 050 00	83 033 05 11	G 83/033*	E=177,C=35,B=30									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19174	L L 0 050 00	83 033 22 13	G 83/034*	E=89,C=43,B=30									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 LWR 15167	H L 0 040 00	83 033 23 09	G 83/034*	E=193,C=80,B=35									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19175	L L 0 080 00	83 033 23 55	G 83/034*	E=152,C=40,B=30									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 LWR 15172	H L 0 040 00	83 034 11 29	G 83/035*	E=163,C=60,B=32									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19180	L L 0 080 00	83 034 12 15	G 83/035*	E=138,C=55,B=35									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 SWP 19184	L L 0 080 00	83 035 00 53	G 83/035*	E=223,C=63,B=42									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 LWR 15175	H L 0 040 00	83 035 02 18	G 83/035*	E=190,C=90,B=38									
HD 224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2 IV	46 FES 1396	D 2 160 00	83 035 05 57	G 83/035*	NO COMMENTS									

OBJECT ID	PROG ID	TARGET RA		TARGET DEC		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
		HR	NN	SEC	DEG							MN	SC	MIN	SE	YR			
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19182	L L 0	080	00	83 035	16 29	G 83/038*	E=113,C=40,B=32		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15181	H L 0	040	00	83 035	17 53	G 83/041*	E=153,C=55,B=30		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19184	L L 0	080	00	83 035	20 39	G 83/040*	E=125,C=53,B=31		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15183	H L 0	040	00	83 035	22 06	G 83/041*	E=152,C=75,B=27		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15183	H L 0	040	00	83 036	17 23	G 83/040*	E=140,C=65,B=30		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19205	L L 0	080	00	83 036	18 07	G 83/041*	E=121,C=30,B=30		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15195	H L 0	030	00	83 036	22 22	G 83/041*	E=152,C=125,B=67		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19208	L L 0	040	00	83 036	22 58	G 83/041*	E=64,C=60,B=45		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15196	H L 0	040	00	83 036	23 44	G 83/041*	E=153,C=169,B=32		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19208	L L 0	040	00	83 037	00 30	G 83/041*	E=68,C=60,B=43		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15197	H L 0	030	00	83 037	01 16	G 83/041*	E=175,C=110,B=50		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19211	L L 0	040	00	83 037	04 53	G 83/041*	E=91,C=80,B=59		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.6		K2		46	SWP 19215	L L 0	030	00	83 037	22 44	G 83/038*	E=214,C=245,B=210		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15202	H L 0	026	00	83 037	23 19	G 83/038*	E=166,C=170,B=115		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	SWP 19216	L L 0	060	00	83 037	23 56	G 83/038*	E=249,C=2X,B=221		
HD	224085	BYEJL	23 52 29.0	+28 21 18	7.4		K2	IV	46	LWR 15203	H L 0	030	00	83 038	01 08	G 83/038*	E=223,C=225,B=160		
HD	224621	HCEHB	23 56 43.2	-36 19 13	9.6		GO	V	44	LWR 13263	L L 0	015	00	82 138	14 32	G 82/139	C=160,B=26		
HD	224621	HCEHB	23 56 43.2	-36 19 13	9.6		GO	V	44	SWP 16982	L L 0	090	00	82 138	14 52	G 82/139	C=70,B=42		
SB	939	EA035	23 57 46.0	-39 41 00	10.3				* 16	LWR 14142	L L 0	2	00	82 253	20 18	V /	* 502 4-MIN-HTR		
SB	939	EA035	23 57 46.0	-39 41 00	10.3				* 16	SWP 17812	L L 0	3	00	82 253	20 48	V /	* 500		
SB	939	EA115	23 57 48.0	-39 40 00	10.4				28	SWP 18367	H L 0	71	00	82 295	20 36	V /	* 300		

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION			ST ID	PROC DATE	OBSERVERS COMMENTS					
		HR	MN	SEC	DEG	MN	SC						P	R	P	MIN	SE	YR				DAY	HR	MN	YR/DAY	
ANON	EI189	02	18	00.0	+57	00	00	9.7			00	LWR	14766	L	S	0	7	00	82	336	13	07	V	/	* 502 NEAR HD14443(ERR	
ANON	EI189	02	18	00.0	+57	00	00	9.7			00	LWR	14766	L	L	0	7	00	82	336	13	17	V	/	* 702 MAG FROM FES MNG	
BACKGD	UK447	12	26	33.0	+02	20	00	0.0			00	LWR	13039	L	L	0	0	82	108	02	22	V	/	* *** CHECK ON BACKGD		
SAO27406	EE521	09	48	31.0	+55	58	00	9.4			00	LWP	1566	L	L	0	1	30	82	155	05	50	V	/	401	
SERENDIP	EE098	09	10	05.0	-23	59	00	99.9			00	LWR	14561	L	L	0	280	00	82	308	14	35	V	/	* 002 4-MIN-HTR	
SERENDIP	EE098	04	15	05.0	-55	54	00	99.9			00	LWR	14566	L	L	0	370	00	82	309	12	55	V	/	* 002 4-MIN-HTR	
SKY	EE082	21	55	58.0	-30	24	00	99.9			00	SWP	18620	L	L	0	40	00	82	325	18	52	V	/	* 001	
MARS	SPEJC	13	12	49.6	-08	16	52			G2	03	LWR	13690	H	S	0	004	30	82	197	17	47	G	82/200	C=180,B=72	
MARS	SPEJC	13	12	49.6	-08	16	52			G2	03	LWR	13691	H	S	0	007	00	82	197	18	57	G	82/200	C=200,B=36	
MARS	SPEJC	13	14	20.9	-08	27	11	0.0			03	LWR	13692	H	S	C	020	00	82	198	11	17	G	82/200	C=2X,B=40	
SATURN	SPEJC	13	01	36.8	-03	54	10			G2	03	LWR	13685	L	L	0	001	00	82	197	13	22	G	82/200	C=1.5X,B=32	
SATURN	SPEHM	13	11	06.9	-05	01	19	1.0		G	V	03	SWP	17745	L	L	0	040	00	82	234	17	00	G	82/235	C=4X,B=32
SATURN	SPEHM	13	22	56.0	-06	06	43	1.0		G	V	03	SWP	19076	L	L	0	120	00	83	025	01	16	G	83/025*	C=10X,B=110
URANUS	SPDHM	16	08	00.1	-20	46	47	6.0		G		03	SWP	16679	L	L	0	420	00	82	091	10	53	G	82/092	C=2X,B=71
URANUS	SPDHM	16	08	00.2	-20	46	47	6.0		G		03	SWP	16680	L	L	0	120	00	82	091	18	26	G	82/092	C=248,B=75
URANUS	SPDHM	16	08	00.2	-20	46	47	6.0		G		03	SWP	16681	L	L	0	090	00	82	091	21	26	G	82/092	E=2X,C=149,B=40
URANUS	SPDHM	16	08	00.2	-20	46	47	6.0		G		03	SWP	16682	L	L	0	120	00	82	091	23	28	G	82/092	E=235,C=180,B=60
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	SWP	16806	L	L	0	015	00	82	111	18	44	G	82/112	C=60,B=22
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	SWP	16807	L	L	0	030	00	82	111	19	45	G	82/112	C=90,B=50
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	LWR	13060	L	L	0	025	00	82	111	20	26	G	82/112	C=3X,B=41
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	SWP	16808	L	L	0	060	00	82	111	20	54	G	82/112	C=158,B=88
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	LWR	13061	L	L	0	015	00	82	111	22	04	G	82/112	C=2X,B=32
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	SWP	16809	L	L	0	070	00	82	111	22	29	G	82/112	C=155,B=80
URANUS	SUECB	16	05	49.7	-20	41	01	+5.8		G2		03	LWR	13062	L	L	0	025	00	82	111	23	45	G	82/112	C=3X,B=35
URANUS	SUECB	16	05	49.7	-20	41	01	6.0		G2		03	SWP	16810	L	L	0	078	00	82	112	01	36	G	82/112	C=128,B=42
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17738	L	L	0	120	00	82	234	02	28	G	82/235	E=178,C=150,B=40
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17739	L	L	0	120	00	82	234	05	03	G	82/235	E=189,C=155,B=40
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17740	L	L	0	090	00	82	234	07	38	G	82/235	E=191,C=125,B=40
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17741	L	L	0	060	00	82	234	09	38	G	82/235	E=178,C=110,B=40
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17742	L	L	0	060	00	82	234	11	05	G	82/235	E=210,C=120,B=52
URANUS	SPEHM	15	52	10.7	-20	03	23	6.0		G	V	03	SWP	17743	L	L	0	060	00	82	234	12	42	G	82/235	E=185,C=125,B=66
URANUS	SPEHM	15	52	12.9	-20	03	29	6.0		G	V	03	SWP	17744	L	L	0	090	00	82	234	14	17	G	82/235	E=226,C=220,B=130
URANUS	SPEHM	16	02	39.0	-20	32	01	6.0		G	V	03	SWP	19077	L	L	0	060	00	83	025	04	32	G	83/025*	E=157,C=140,B=40
URANUS	SPEHM	16	02	39.0	-20	32	01	6.0		G	V	03	SWP	19078	L	L	0	087	00	83	025	06	06	G	83/025*	E=168,C=120,B=40
JUPITER	SPEJC	13	55	13.7	-10	33	40	-1.2		G2		03	SWP	17435	L	L	0	020	00	82	197	11	57	G	82/197	C=5X,B=81
JUPITER	SPEJT	14	03	17.2	-11	22	45			G2		03	SWP	17603	L	L	0	030	00	82	218	03	41	G	82/218	C=180,B=22
JUPITER	SPEJT	14	01	34.0	-11	13	34					03	SWP	17608	L	L	0	020	00	82	218	09	36	G	82/218	C=137,B=30
JUPITER	SPEJT	14	01	34.0	-11	13	34			GE		03	SWP	17612	L	L	0	020	00	82	218	15	41	G	82/222	C=2X,B=175
JUPITER	SPEJT	14	01	34.0	-11	13	34			G2		03	SWP	17613	L	L	0	020	00	82	218	16	51	G	82/222	E=124,C=220,B=110
JUPITER	SPEJT	14	02	22.0	-11	18	21	3.8		G2		03	LWR	13898	L	S	0	010	00	82	220	10	49	G	82/223	C=40X,B=40

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L EXPOSE			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS					
		HR	MM	SEC	DEG	MIN	SEC						S P A P	MIN	SE	YR	DAY	HR				MM				
JUPITER	SPEJT	14	02	22.0	-11	18	21	3.8		G2		03	LWR	13898	L	L	0	010	00	82	220	10	50	G	82/223	C=40X,B=40
JUPITER	SJEHM	14	15	06.2	-12	30	37	-2.0		G	V	03	SWP	17823	L	L	0	030	00	82	244	10	28	G	82/244	E=166,C=70,B=70
JUPITER	SJEHM	14	15	07.7	-12	30	45	-2.0		G	V	03	SWP	17824	L	L	0	015	00	82	244	11	37	G	82/244	E=207,C=10X,B=40
JUPITER	SJEHM	14	15	09.2	-12	30	54	-2.0		G	V	03	SWP	17825	L	L	0	015	00	82	244	12	24	G	82/244	E=208,C=10X,B=60
JUPITER	SJEHM	14	15	10.7	-12	31	02	-2.0		G	V	03	SWP	17826	L	L	0	020	00	82	244	13	08	G	82/244	E=141,B=122
JUPITER	SJEHM	14	15	10.7	-12	31	02	-2.0		G	V	03	SWP	17827	L	L	0	015	00	82	244	14	00	G	82/244	E=213,C=10X,B=105
JUPITER	SJEHM	14	15	12.2	-12	31	10	-2.0		G	V	03	SWP	17828	L	L	0	015	00	82	244	14	46	G	82/245	E=184,C=10X,B=105
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17830	L	L	0	015	00	82	245	08	06	G	82/245	E=218,C=2-3X,B=30
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17831	L	L	0	015	00	82	245	08	53	G	82/245	E=109,C=27,B=27
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17832	L	L	0	015	00	82	245	09	41	G	82/245	E=209,C=2-3X,B=30
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17833	L	L	0	015	00	82	245	10	32	G	82/245	E=198,C=2-3X,B=40
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17834	L	L	0	015	00	82	245	11	20	G	82/245	E=188,C=2-3X,B=40
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17835	L	L	0	020	00	82	245	12	09	G	82/245	E=111,C=70,B=70
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17836	L	L	0	015	00	82	245	13	01	G	82/245	E=200,C=2-3X,B=90
JUPITER	SJEHM	14	15	28.1	-12	32	34	-2.0		G	V	03	SWP	17837	L	L	0	015	00	82	245	13	53	G	82/245	E=212,C=2-3X,B=125
JUPITER	SJEHM	16	17	21.6	-20	29	34	-2.0		G	V	03	SWP	19155	L	L	0	015	00	83	032	00	09	G	83/033*	C=5X,B=18
JUPITER	SJEHM	16	17	29.4	-20	29	54	-2.0		G	V	03	SWP	19159	L	L	0	015	00	83	032	03	41	G	83/033*	C=3X,B=32
JUPITER	SJEHM	16	17	29.4	-20	29	54	-2.0		G	V	03	SWP	19160	L	L	0	015	00	83	032	04	30	G	83/033*	C=3X,B=25
JUPITER	SJEHM	16	17	29.4	-20	29	54	-2.0		G	V	03	SWP	19161	L	L	0	015	00	83	032	05	18	G	83/033*	E=147,C=5X,B=23
NEPTUNE	SPEJC	17	36	10.9	-22	01	07	7.5				03	SWP	17434	L	S	0	740	00	82	196	21	09	G	82/197	C=168,B=108
NEPTUNE	SPEJC	17	36	05.9	-22	01	05	7.5				03	SWP	17438	L	S	0	840	00	82	197	20	13	G	82/200	C=162,B=100
-15,CM30	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	LWR	13881	L	S	0	000	15	82	218	15	09	G	82/221	C=220,B=25
-15,CM30	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17612	L	S	0	020	00	82	218	15	40	G	82/222	C=2X,B=175
-15,CM60	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	LWR	13882	L	S	0	000	15	82	218	16	14	G	82/222	C=220,B=25
-15,CM60	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17613	L	S	0	020	00	82	218	16	50	G	82/222	E=124,C=220,B=110
-20,CM28	SPEJT	14	02	21.9	-11	18	20	3.8		G2	V	03	SWP	17632	L	L	0	010	00	82	220	17	15	G	82/223	E=145,C=3X,B=30
EQ,CM+37	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	SWP	17628	L	S	0	030	00	82	220	13	37	G	82/223	E=99,C=200,B=60
EQ,CM+37	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	SWP	17628	L	L	0	030	00	82	220	13	38	G	82/223	E=99,C=200,B=60
J.+25,CM	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	LWR	13899	L	S	0	000	15	82	220	11	45	G	82/223	C=200,B=23
J.-15,CM	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17611	L	S	0	020	00	82	218	14	35	G	82/221	E=156,C=30X,B=160
J.-15,CM	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17611	L	L	0	002	00	82	218	15	00	G	82/221	E=173,C=255,B=160
J.-15,CM	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	LWR	13900	L	S	0	000	15	82	220	14	11	G	82/223	C=190,B=25
J.CENTER	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17610	L	S	0	020	00	82	218	12	10	G	82/221	E=112,C=218,B=95
J.CENTER	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17610	L	L	0	002	00	82	218	12	42	G	82/221	C=200,B=95
J+PP,-PP	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	LWR	13880	L	L	0	001	00	82	218	13	20	G	82/222	C=10X,B=30
J+PP,-PP	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	SWP	17631	L	M	0	016	00	82	220	16	16	G	82/223	E=1100,C=160,B=47
J+PP,-PP	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	SWP	17631	L	S	0	016	00	82	220	16	17	G	82/223	E=1100,C=160,B=47
J+25CM30	SPEJT	14	01	34.4	-11	13	34	3.8		G2	V	03	SWP	17608	L	S	0	020	00	82	218	09	35	G	82/218	C=127,B=30
JP.+P CM	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	LWR	13897	L	S	0	020	00	82	220	09	44	G	82/222	C=40X,B=70
JP.+P CM	SPEJT	14	02	22.3	-11	18	21	3.8		G2	V	03	LWR	13897	L	L	0	002	00	82	220	10	08	G	82/222	C=40X,B=70

OBJECT ID	PROG ID	TARGET RA			TARGET DEC			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MN	SEC	DEG	MN	SC							MIN	SE	YR	DAY			
JP.EQ.CM	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17627	L S D 025 00	82 220	12 27	G	82/223	E=91,C=170,B=40								
JP-15 CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13878	L S D 000 15	82 218	11 40	G	82/221	C=200,B=25								
JP-23.CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13878	L S D 005 00	82 218	10 10	G	82/221	C=20X,B=45								
JP-23.CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13878	L L O 000 30	82 218	10 20	G	82/221	C=20X,B=45								
JUB+25CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17607	L S D 020 00	82 218	08 15	G	82/218	C=120,B=22								
JUB+25CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17607	L L O 002 00	82 218	08 47	G	82/218	C=140,B=22								
JUP BKGD	SJEHM	16 27 29.5	-20 29 55	1.5		03 SWP 19156	L L O 015 00	83 032	01 01	G	83/033+	B=18								
JUP BKGD	SJEHM	16 17 29.5	-20 29 54			03 SWP 19157	L L O 015 00	83 032	01 53	G	83/033+	C=2X,B=20								
JUP. +P	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17629	L S D 020 00	82 220	14 45	G	82/223	E=82,C=70,B=65								
JUP. +P	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17628	L L O 020 00	82 220	14 46	G	82/223	E=82,C=70,B=65								
JUP. +25	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13873	L S D 000 15	82 218	04 15	G	82/218	C=190,B=22								
JUP. +25	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13874	L S D 000 15	82 218	05 15	G	82/218	C=180,B=22								
JUP. EQU	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17603	L S D 030 00	82 218	03 40	G	82/218	C=180,B=22								
JUP. EQU	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17604	L S D 025 00	82 218	04 44	G	82/218	C=165,B=21								
JUP. EQU	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17604	L L O 025 00	82 218	04 45	G	82/218	C=165,B=21								
JUP. GRS	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13877	L S D 005 00	82 218	09 05	G	82/221	C=20X,B=25								
JUP+/-PP	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17605	L M O 020 00	82 218	05 45	G	82/218	E=139,C=220,B=30								
JUP+/-PP	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13875	L M O 006 00	82 218	06 26	G	82/218	C=190,B=40								
JUP+/-PP	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13881	L M O 000 06	82 220	03 45	G	82/222	C=170,B=25								
JUP+P.CM	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17626	L S D 020 00	82 220	11 05	G	82/223	E=71,C=60,B=35								
JUP+P.CM	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17626	L L O 020 00	82 220	11 06	G	82/223	E=71,C=60,B=35								
JUP+25CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13872	L S D 000 15	82 218	03 32	G	82/218	C=180,B=22								
JUP-23CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17606	L S D 020 00	82 218	07 00	G	82/218	C=150,B=22								
JUP-23CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 SWP 17606	L L O 002 00	82 218	07 31	G	82/218	C=143,B=30								
JUP-23CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13876	L S D 005 00	82 218	07 38	G	82/218	C=20X								
JUP-23CM	SPEJT	14 01 34.4	-11 13 34	3.8	G2 V	03 LWR 13876	L L O 000 30	82 218	07 47	G	82/218	C=20X,B=38								
JUPITER	ES009	13 55 00.0	-10 32 00	-0.3		03 SWP 17417	L L O 9 00	82 194	22 03	V	/ *	840								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17624	L L O 065 00	82 220	03 55	G	82/222	C=15X,B=60								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13892	L S O 010 00	82 220	05 08	G	82/222	C=40X,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13892	L L O 010 00	82 220	05 16	G	82/222	C=220,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13893	L S O 010 00	82 220	06 03	G	82/222	C=40X,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13893	L L O 010 00	82 220	06 04	G	82/222	C=40X,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13894	L S O 010 00	82 220	06 56	G	82/222	C=40X,B=66								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13894	L L O 001 00	82 220	07 09	G	82/222	C=40X,B=66								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13895	L S O 010 00	82 220	07 40	G	82/222	C=40X,B=35								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13895	L L O 010 00	82 220	07 41	G	82/222	C=40X,B=35								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17625	L S O 065 00	82 220	07 54	G	82/222	C=1.5X,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 SWP 17625	L L O 065 00	82 220	07 55	G	82/222	C=1.5X,B=30								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13896	L S O 010 00	82 220	09 03	G	82/222	C=40X,B=33								
JUPITER	SPEJT	14 02 22.3	-11 18 21	3.8	G2 V	03 LWR 13896	L L O 010 00	82 220	09 04	G	82/222	C=40X,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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS
JUPITER	SPEJT	14 02 22.0	-11 18 21			G2	03 SWP	17627	L L O	025 00	82 220 12 28	G	82/223	E=91,C=170,B=40
JUPITER	SJEHM	16 17 29.4	-20 29 54	2.0			03 SWP	19158	L L O	015 00	83 032 02 54	G	83/033*	C=3X,B=25
J25, CM60	SPEJT	14 01 34.4	-11 13 34	3.8		G2 V	03 SWP	17609	L S O	020 00	82 218 10 55	G	82/221	C=130,B=60
J25, CM60	SPEJT	14 01 34.4	-11 13 34	3.8		G2 V	03 SWP	17609	L L O	020 00	82 218 10 56	G	82/221	C=130,B=60
MARS	ES009	13 15 07.0	-08 28 00	0.6			03 LWR	13701	H S C	20 00	82 198 21 11	V	/	* 602 4-MIN-HTR-WM-UP
MARS	ES009	13 15 07.0	-08 28 00	0.6			03 SWP	17441	L S C	55 00	82 198 21 38	V	/	* 221 SEE LOG BOOK
MARS	ES009	13 15 07.0	-08 28 00	0.6			03 LWR	13702	H S C	60 00	82 198 22 18	V	/	* 703 4-MIN-HTR-WM-UP
MARS	ES009	13 15 07.0	-08 28 00	0.6			03 LWR	13703	H S C	180 00	82 198 23 55	V	/	* 806 4-MIN-HTR-WM-UP
MARS	ES009	13 15 07.0	-08 28 00	0.6			03 SWP	17441	L L O	20 00	82 199 03 21	V	/	* 321
NEPTUNE	ES009	17 36 11.0	-22 01 00	7.7			03 SWP	17434	L S C	740 00	82 196 21 09	V	/	* 347 READ AT GSFC
NEPTUNE	ES009	17 36 06.0	-22 01 00	7.7			03 SWP	17438	L S C	840 00	82 197 20 13	V	/	* 239 READ AT GSFC
SATURN	ES009	13 01 13.0	-03 51 00	1.0			03 SWP	17418	L L O	35 00	82 194 23 23	V	/	* 830
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 SWP	16819	L L O	025 00	82 113 18 40	G	82/114	C=95,B=58
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 SWP	16820	L L O	045 00	82 113 19 57	G	82/114	C=125,B=80
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 LWR	13070	L L O	005 00	82 113 20 49	G	82/114	C=1X,B=25
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 SWP	16821	L L O	065 00	82 113 21 21	G	82/114	C=205,B=132
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 LWR	13071	L L O	002 00	82 113 22 37	G	82/114	C=1X,B=30
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 SWP	16822	L L O	060 00	82 113 23 05	G	82/114	C=145,B=84
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 LWR	13072	L L O	020 00	82 114 00 12	G	82/114	C=5X,B=32
URANUS	SUECB	16 05 32.3	-20 40 16	6.0		G2	03 SWP	16823	L L O	066 00	82 114 00 38	G	82/114	C=108,B=29
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 SWP	17260	L L O	020 00	82 170 15 05	G	82/172	C=95,B=60
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 SWP	17261	L L O	045 00	82 170 15 53	G	82/172	C=160,B=105
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 LWR	13525	L L O	001 30	82 170 16 45	G	82/172	C=2X,B=25
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 SWP	17262	L L O	045 00	82 170 17 16	G	82/172	C=180,B=118
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 LWR	13526	L L O	001 00	82 170 18 08	G	82/172	C=1.5X,B=25
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 SWP	17263	L L O	060 00	82 170 18 33	G	82/172	C=210,B=140
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 LWR	13527	L L O	020 00	82 170 19 39	G	82/172	C=20X,B=35
URANUS	SUECB	15 56 09.9	-20 14 14	6.0		G2	03 SWP	17264	L L O	085 00	82 170 20 07	G	82/172	C=140,B=43
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 SWP	17270	L L O	020 00	82 171 14 52	G	82/172	C=75,B=43
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 SWP	17271	L L O	045 00	82 171 15 41	G	82/172	C=120,B=65
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 LWR	13530	L L O	000 50	82 171 16 33	G	82/172	C=255,B=21
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 SWP	17272	L L O	045 00	82 171 17 01	G	82/172	C=160,B=98
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 LWR	13531	L L O	020 00	82 171 17 53	G	82/172	C=20X,B=55
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 SWP	17273	L L O	060 00	82 171 18 19	G	82/172	C=225,B=160
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 LWR	13532	L L O	020 00	82 171 19 26	G	82/172	C=20X,B=41
URANUS	SUECB	15 56 01.0	-20 13 48	6.0		G2	03 SWP	17274	L L O	100 00	82 171 19 54	G	82/172	C=170,B=55
URANUS	ES009	15 53 06.0	-20 05 00	5.8			03 SWP	17419	L S C	145 00	82 195 01 11	V	/	* 330
URANUS	ES009	15 53 00.0	-20 05 00	5.8			03 SWP	17425	L S C	396 00	82 195 21 01	V	/	* 542
URANUS	SPEHM	16 23 19.8	-21 28 21	6.0		G V	03 SWP	19075	L L O	405 00	83 024 18 38	G	83/025*	C=3X,B=120
20, CM-20	SPEJT	14 02 22.3	-11 18 21	3.8		G2 V	03 SWP	17630	L L O	005 00	82 220 15 35	G	82/223	82/220/15/34

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IO	SJEDM	14 08 33.3	-11 27 36	5.5		G2 V	04	LWR 13168	L L 0	012 30	82 124 21 46	G	82/125	C=185,B=53
IO	SJEDM	14 08 33.3	-11 27 36	5.5		G2 V	04	LWR 13169	L L 0	012 15	82 124 22 27	G	82/125	C=180,B=41
IO	SJEDM	13 54 41.0	-10 29 45	+4.8		G2 V	04	LWR 13673	L L 0	022 49	82 194 16 02	G	82/195	C=1X,B=61
IO	SIEHM	14 15 12.3	-12 31 11	5.0		G V	04	SWP 17829	L L 0	817 38	82 245 00 52	G	82/245	E=214,C=117,B=112
RHEA	SSEAL	13 05 27.1	-04 00 12	9.7		G2 V	04	LWR 13160	L L 0	040 00	82 124 08 58	G	82/125	C=127,B=33
RHEA	SSEAL	14 11 50.9	-10 29 53	9.7		G2 V	04	LWR 15359	L M 0	035 00	83 054 18 53	G	83/083*	C=120,B=40
DIONE	SSEAL	13 05 31.5	-04 00 10	10.3		G2 V	04	LWR 13162	L L 0	080 00	82 124 12 26	G	82/125	C=180,B=40
DIONE	SSEAL	14 10 30.9	-10 25 18	10.3		G2 V	04	LWR 15277	L L 0	090 00	83 044 04 10	G	83/045*	C=160,B=40
EUROPA	SJEDM	13 54 38.9	-10 29 29	+5.2		G2 V	04	LWR 13672	L L 0	001 22	82 194 15 17	G	82/195	C=160,B=23
IAPETUS	SSEAL	13 04 52.3	-03 58 16	12.2		G2 V	04	LWR 13161	L L 0	070 00	82 124 10 25	G	82/125	C=180,B=37
IAPETUS	SSEAL	14 10 26.5	-10 25 40	12.2		G2 V	04	LWR 15265	L L 0	345 00	83 042 16 52	G	83/045*	C=180,B=85
CALLISTO	SJEDM	13 54 38.9	-10 29 29	+5.5		G2 V	04	LWR 13671	L L 0	003 00	82 194 14 25	G	82/195	C=140,B=22
CALLISTO	SJEDM	13 56 36.7	-10 42 51	5.0		G2 V	04	LWR 13749	L L 0	003 00	82 203 15 13	G	82/204	C=160,B=30
CALLISTO	SPEJT	14 02 22.3	-11 18 21	3.8		G2 V	04	LWR 13890	L S 0	005 00	82 220 03 01	G	82/222	C=100,B=25
CALLISTO	SPEJT	14 02 22.3	-11 18 21	3.8		G2 V	04	LWR 13890	L L 0	002 30	82 220 03 09	G	82/222	C=115,B=25
CALLISTO	SJEDM	16 24 18.5	-20 45 13	5.0		G2 V	04	LWR 15273	L L 0	004 35	83 044 01 00	G	83/046*	C=155,B=25
CALLISTO	SJEDM	16 24 18.5	-20 45 13	5.0		G2 V	04	LWR 15274	L M 0	009 50	83 044 01 37	G	83/046*	C=180,B=29
CALLISTO	SJEDM	16 29 07.4	-20 55 28	5.0		G2 V	04	LWR 15358	L M 0	008 30	83 054 17 17	G	83/083*	C=205,B=25
ENCLIEDUS	SSEAL	14 10 28.9	-10 25 31	10.2		G2 V	04	LWR 15266	L L 0	050 00	83 043 01 42	G	83/045*	C=120,B=38
ENCLIEDUS	SSEAL	14 10 29.9	-10 25 40	10.2		G2 V	04	LWR 15267	L L 0	090 00	83 043 03 32	G	83/045*	C=205,B=45
EUROPA	SJEDM	13 56 36.7	-10 42 51	5.0		G2 V	04	LWR 13747	L L 0	003 48	82 203 13 50	G	82/203	C=170,B=30
EUROPA	SJEDM	16 24 18.5	-20 45 13	5.0		G2 V	04	LWR 15272	L M 0	009 40	83 043 23 54	G	83/046*	C=1.5X,B=25
EUROPA	SJEDM	16 29 07.4	-20 55 28	5.0		G2 V	04	LWR 15356	L M 0	006 30	83 054 14 57	G	83/083*	C=240,B=21
GANYMEDE	SJEDM	13 54 38.9	-10 29 29	+4.5		G2 V	04	LWR 13670	L L 0	001 54	82 194 13 06	G	82/195	C=1X,B=22
GANYMEDE	SJEDM	13 56 36.7	-10 42 51	5.0		G2 V	04	LWR 13748	L L 0	001 50	82 203 14 28	G	82/203	C=190,B=26
GANYMEDE	SPEJT	14 01 34.4	-11 13 34	3.8		G2 V	04	LWR 13871	L L 0	002 30	82 218 02 38	G	82/218	C=1.1X,B=25
GANYMEDE	SPEJT	14 01 34.4	-11 13 34	3.8		G2 V	04	LWR 13871	L S 0	005 00	82 218 02 52	G	82/218	C=130,B=25
GANYMEDE	SJEDM	16 24 18.5	-20 45 13	5.0		G2 V	04	LWR 15275	L L 0	001 50	83 044 02 22	G	83/046*	C=175,B=25
GANYMEDE	SJEDM	16 24 18.5	-20 45 13	5.0		G2 V	04	LWR 15276	L M 0	004 00	83 044 02 56	G	83/046*	C=205,B=27
IO	SJEDM	13 56 36.7	-10 42 51	6.0		G2 V	04	LWR 13746	L L 0	021 00	82 203 12 51	G	82/203	C=190,B=45
IO	SJEDM	16 24 18.6	-20 45 13	6.0		G2 V	04	LWR 15271	L L 0	019 10	83 043 22 53	G	83/046*	C=160,B=30
IO	SJEDM	16 29 07.4	-20 55 28	6.0		G2 V	04	LWR 15357	L M 0	038 30	83 054 15 49	G	83/083*	C=205,B=25
SAT RING	SPEJC	13 01 36.8	-03 54 10			G2	04	SWP 17436	L L 0	015 00	82 197 13 35	G	82/200	C=142,B=107
SAT RING	SPEJC	13 01 36.8	-03 54 10			G2	04	LWR 13686	L L 0	000 20	82 197 14 51	G	82/200	C=200,B=21
SAT RING	SPEJC	13 01 36.8	-03 54 10			G2	04	LWR 13687	L L 0	000 25	82 197 15 35	G	82/200	C=255,B=24
SAT RING	SPEJC	13 01 36.8	-03 54 10			G2	04	LWR 13688	L L 0	003 00	82 197 16 10	G	82/200	C=9X,B=55
SAT RING	SPEJC	13 01 36.8	-03 54 10			G2	04	LWR 13689	L L 0	010 00	82 197 16 48	G	82/200	C=27X,B=140
SATRINGS	SSEAL	13 05 23.1	-03 59 49			G2 V	04	LWR 13164	L L 0	000 03	82 124 17 43	G	82/125	C=65,B=25
SATRINGS	SSEAL	13 05 22.6	-03 59 46			G2 V	04	LWR 13165	L L 0	000 14	82 124 18 47	G	82/125	C=165,B=25
SATRINGS	SSEAL	13 05 22.2	-03 59 43			G2 V	04	LWR 13166	L L 0	000 15	82 124 19 30	G	82/125	C=205,B=25

OBJECT ID	PROG ID	TARGET		VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS					
		HR	MIN							SEC	RA	DEC	MIN	SEC	MIN				SEC	YR	DAY	HR	MIN
SATRINGS	SSEAL	13	05	21.7	-03 59 44			G2	V	04	SWP	16889	L	L	0	010	00	82	124	19	33	G 82/125	C=92, B=47
SATRINGS	SSEAL	13	05	21.7	-03 59 40			G2	V	04	LWR	13167	H	L	0	008	00	82	124	20	24	G 82/125	C=155, B=45
42	ISIS	SAEDM	17	27	42.0	-27 47 10	9.8	G2	V	04	LWR	13751	L	L	0	025	00	82	203	19	13	G 82/204	C=100, B=28
	VESTA	SAEDM	21	03	08.2	-17 25 57	7.8	G2	V	05	LWR	13163	L	L	0	008	20	82	124	15	40	G 82/125	C=170, B=26
BAMBERGA	SAEDM	20	05	15.6	-32 07 55	+9.4		G2	V	05	LWR	13674	L	L	0	040	00	82	194	17	52	G 82/195	C=185, B=30
BAMBERGA	SAEDM	20	05	15.6	-32 07 55	+9.4		G2	V	05	LWR	13675	L	L	0	015	00	82	194	19	29	G 82/195	C=100, B=26
BAMBERGA	SAEDM	19	54	39.0	-31 53 31	9.4		G2	V	05	LWR	13750	L	L	0	035	00	82	203	17	12	G 82/204	C=1.1X, B=90
532	HERC	SAEDM	17	46	19.3	-12 55 37	11.7	G2	V	05	LWR	15360	L	M	0	030	00	83	054	21	15	G 83/083*	C=120, B=71
	BOWELL	SPEMA	18	17	07.3	-22 13 22				06	LWR	13088	L	L	0	330	00	82	117	13	11	G 82/118	C=135, B=70
	1980B	SPEMA	18	09	44.4	-22 14	11.1			06	LWR	13005	L	L	0	060	00	82	101	21	29	G 82/102	C=30, B=30
C AUSTIN	SCEMA	04	41	19.9	-34 09 11					06	FES	1366	D	2	020	00	82	192	12	46	G 82/193	NO COMMENTS	
C AUSTIN	SCEMA	04	41	19.9	-34 09 44					06	SWP	17405	L	L	0	010	00	82	192	12	56	G 82/193	E=187, C=20, B=20
C AUSTIN	SCEMA	04	41	19.9	-34 09 44					06	LWR	13656	L	L	0	020	00	82	192	13	10	G 82/193	E=165, C=25, B=25
C AUSTIN	SCEMA	04	41	19.9	-34 09 11					06	LWR	13657	L	L	0	120	00	82	192	14	20	G 82/193	E=4X, C=87, B=50
C AUSTIN	SCEMA	04	41	19.9	-34 09 11					06	SWP	17407	L	L	0	160	00	82	192	16	37	G 82/193	E=10-15X, C=60, B=60
C AUSTIN	EST00	05	06	00.0	-29 25 00	7.0				06	SWP	17453	L	L	0	58	30	82	201	21	16	V / *	121 NUCLEUS IN LAP
C AUSTIN	EST00	05	07	27.0	-29 15 00	7.0				06	LWR	13735	L	L	0	30	00	82	202	03	11	V / *	273 NUCLEUS IN LAP
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13781	L	L	0	005	00	82	208	05	01	G 82/208	E=165, C=20, B=20
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	FES	1368	D	2	020	00	82	208	06	11	G 82/208		
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	FES	1369	F	2	020	00	82	208	06	20	G 82/208		
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17498	L	L	0	120	00	82	208	10	17	G 82/208	E=10X, C=45, B=45
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13783	H	L	0	025	00	82	208	10	57	G 82/209	E=225, C=0, B=39
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17499	L	L	0	003	00	82	208	11	34	G 82/223	HISTORY REPLAY
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13784	L	L	0	030	00	82	208	12	23	G 82/209	E=4X, C=0, B=45
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13784	L	S	0	030	00	82	208	12	24	G 82/209	E=4X, C=0, B=45
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17500	L	L	0	003	00	82	208	13	15	G 82/209	E=177, C=0, B=20
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17501	L	L	0	003	00	82	208	14	25	G 82/208	E=168, C=0, B=20
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17501	L	S	0	003	00	82	208	14	26	G 82/208	E=168, C=0, B=20
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13785	L	L	0	030	00	82	208	14	32	G 82/208	E=4X, C=0, B=62
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	LWR	13785	L	S	0	030	00	82	208	14	33	G 82/208	E=4X, C=0, B=62
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17502	L	L	0	003	30	82	208	19	25	G 82/209	E=173, C=0, B=20
C AUSTIN	SCEMA	05	33	35.9	-23 30 26					06	SWP	17502	L	S	0	003	30	82	208	19	26	G 82/209	E=173, C=0, B=20
C AUSTIN	EST00	05	43	28.0	-21 04 00	7.0				06	LWR	13791	L	L	0	25	00	82	209	21	29	V / *	372 4-MIN-HTR-WM-UP
C AUSTIN	EST00	05	43	28.0	-21 04 00	7.0				06	SWP	17512	L	L	0	2	00	82	209	21	57	V / *	131
C AUSTIN	EST00	05	43	28.0	-21 04 00	7.0				06	LWR	13792	L	L	0	30	00	82	209	22	45	V / *	051 4-MIN-HTR-WM-UP
C AUSTIN	SCEMA	06	09	47.9	-14 10 33					06	FES	1372	D	2	020	00	82	213	15	47	G 82/216		
C AUSTIN	SCEMA	06	09	47.9	-14 10 33					06	LWR	13830	L	L	0	003	00	82	213	15	55	G 82/216	E=171, B=30
C AUSTIN	SCEMA	06	09	47.9	-14 10 33					06	SWP	17553	L	L	0	002	00	82	213	16	05	G 82/216	E=168, B=30
C AUSTIN	SCEMA	06	09	47.9	-14 10 33					06	LWR	13831	H	L	0	015	00	82	213	16	35	G 82/216	E=228, B=72
C AUSTIN	SCEMA	06	09	47.9	-14 10 33					06	FES	1373	D	2	160	00	82	213	16	42	G 82/216	NO COMMENTS	

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME			OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS						
		HR	MIN	SEC							RA DEG	DEC MIN	DEC SEC	MIN	SEC	YR				DAY	HR	MIN	YR/DAY		
C AUSTIN	SCEMA	06	09	47.9	-14	10	33			06	LWR	13832	L	L	0	020	00	82	213	17	17	G	82/216	E=5X,B=55	
C 1980 B	ES058	19	11	00.0	-22	33	00	14.5		06	LWP	1719	L	L	0	362	00	82	316	13	35	V	/	* 202	
COMET	ES058	18	19	34.0	-22	17	00	12.5		06	LWR	13291	L	L	0	346	00	82	142	01	49	V	/	228 COMET BONELL	
COMET	ES058	18	18	33.0	-22	19	00	13.1		06	LWR	13326	L	L	0	326	00	82	148	01	46	V	/	218 COMET BOWELL	
COM1982A	SPEMA	07	32	53.9	+03	48	25			06	LWR	13089	L	L	0	030	00	82	117	19	10	G	82/118	E=70,B=34	
COM1982A	SPEMA	07	32	53.9	+03	48	25			06	LWR	13090	L	L	0	120	00	82	117	20	13	G	82/118	E=133,B=80	
COM1982A	SPEMA	07	33	35.8	+03	57	35			06	LWR	13091	L	L	0	115	00	82	117	22	57	G	82/118	E=88,B=40	
CT 1969	ES284	06	07	32.0	+26	22	00	12.5		06	LWR	14579	L	L	0	40	00	82	311	16	11	V	/	* 222 MN=216	
CT 1969	ES284	06	07	32.0	+26	22	00	12.5		06	SWP	18498	L	L	0	7	30	82	311	16	56	V	/	* 030	
CT 1982G	ES284	13	04	16.0	+32	54	00	14.0		06	SWP	18499	L	L	0	15	00	82	311	18	01	V	/	* 030	
CT 1982G	ES284	13	04	16.0	+32	54	00	14.0		06	LWR	14580	L	L	0	55	00	82	311	18	28	V	/	* O43 4-MIN-HTR MN=704	
D'ARREST	SCEPF	17	42	19.9	-22	09	45	7.4	G5	V	06	LWR	14181	L	L	0	030	00	82	258	10	05	G	82/259	E=87,B=35
D'ARREST	SCEPF	17	42	19.9	-22	09	45	7.4	G5	V	06	SWP	17963	L	L	0	020	00	82	258	13	11	G	82/259	E=157,B=30
D'ARREST	SCEPF	17	42	19.9	-22	09	45	7.4	G5	V	06	LWR	14182	L	L	0	030	00	82	258	13	37	G	82/259	E=147,C=100,B=74
D'ARREST	SCEPF	18	08	41.9	-25	41	56	7.4	G5	V	06	SWP	18063	L	T	0	020	00	82	265	13	27	G	82/266	E=140,B=22
D'ARREST	SCEPF	18	08	41.9	-25	41	56	7.4	G5	V	06	LWR	14232	L	L	0	030	00	82	265	13	51	G	82/266	E=82,B=35
D'ARREST	SCEPF	18	47	45.0	-29	34	57	7.4	G5	V	06	SWP	18177	L	L	0	020	00	82	275	07	05	G	82/277	E=164,B=20
D'ARREST	SCEPF	18	47	45.0	-29	34	57	7.4	G5	V	06	LWR	14317	L	L	0	090	00	82	275	07	31	G	82/277	E=130,C=40,B=40
D'ARREST	SCEPF	18	47	45.0	-29	34	57	7.4	G5	V	06	SWP	18178	L	L	0	020	00	82	275	08	10	G	82/277	E=109,B=25
D'ARREST	SCEPF	18	47	45.0	-29	34	57	7.4	G5	V	06	SWP	18179	L	L	0	020	00	82	275	09	14	G	82/277	E=115,B=20
D'ARREST	SCEPF	19	08	58.1	-31	05	31	14.0			06	SWP	18227	L	L	0	020	00	82	280	07	10	G	82/285	E=164,B=18
D'ARREST	SCEPF	19	08	58.1	-31	05	31	14.0			06	LWR	14347	L	L	0	085	00	82	280	07	52	G	82/285	E=123,B=30
D'ARREST	SCEPF	19	08	58.1	-31	05	31	14.0			06	SWP	18228	L	L	0	020	00	82	280	08	28	G	82/285	E=104,B=18
D'ARREST	SCEPF	19	35	01.3	-32	26	01	7.4	G5	V	06	SWP	18265	L	L	0	020	00	82	286	07	24	G	82/287	E=144,B=20
D'ARREST	SCEPF	19	20	00.0	-37	12		7.4	G5	V	06	FES	1380	D	2	001	20	82	286	07	30	G	82/287		
D'ARREST	SCEPF	19	35	25.7	-32	27	09	7.4	G5	V	06	LWR	14397	L	L	0	090	00	82	286	07	46	G	82/287	E=144,B=43
D'ARREST	SCEPF	19	35	25.7	-32	27	09	7.4	G5	V	06	SWP	18266	L	L	0	020	00	82	286	09	03	G	82/287	E=120,B=19
D'ARREST	SCEPF	19	35	25.7	-32	27	09	7.4	G5	V	06	SWP	18267	L	L	0	015	00	82	286	09	51	G	82/287	E=75,B=20
SERENDIP	SCEMA	05	33	35.9	-23	30	26			06	LWR	13782	L	L	0	050	00	82	208	06	36	G	82/208	E=231,C=25,B=25	
SKY	ES284	13	04	16.0	+32	54	00	14.0		06	SWP	18500	L	L	0	15	00	82	311	19	27	V	/	* 020	
SKY	NSEJR	14	59	11.7	-41	32	17			07	LWR	13027	H	L	0	120	00	82	105	19	30	G	82/106	B=105	
SKY	SPEMA	18	17	07.8	-22	13	20			07	SWP	16843	L	L	0	030	00	82	117	14	23	G	82/118	E=73,B=18	
SKY	SPEMA	18	17	10.1	-22	13	08			07	SWP	16844	L	L	0	100	00	82	117	15	29	G	82/118	E=207,B=45	
SKY	HSEPH	00	54	22.9	-72	45	36			07	LWR	15053	L	L	0	060	00	83	015	03	13	G	83/017*	C=90,B=42	
SKY	HSEPH	00	54	22.9	-72	45	36			07	LWR	15053	L	S	0	060	00	83	015	03	14	G	83/017*	C=85,B=42	
SKY	HSEPH	00	54	37.9	-72	45	11			07	SWP	19002	L	L	0	030	00	83	015	05	13	G	83/017*	B=34	
BKGRND	SPEMA	01	12	38.4	-22	14	05			07	SWP	16748	L	L	0	030	00	82	101	21	30	G	82/102	E=131,C=25,B=25	
SKY	NSEJR	14	59	11.7	-41	32	17			07	LWR	13026	L	L	0	455	00	82	105	11	17	G	82/106	B=150	
BKGRND	HSEPH	05	42	11.3	-68	15	45	14.8	EO.06	08	07	SWP	17088	L	L	0	210	00	82	152	08	37	G	82/153	C=60,B=55
BKGRND	PHCAL	08	24	22.7	-50	49	59			07	LWR	13826	H	L	0	285	00	82	213	05	02	G	82/217	B=72	

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE			ST ID	PROC DATE	OBSERVERS COMMENTS
		HR	MIN	SEC							DEG	MIN	SEC	MIN	SEC			
BKGRND	HSEJD	19	41	18.5	+18	18	26											
BKGRND	RSESB	23	35	06.5	+46	11	40											
SKY	NDERD	01	13	17.6	-73	33	52											
BACKGRND	CCEKH	05	04	38.8	-57	32	22	4.7	F8	V								
BACKGRND	NSEJR	20	43	10.9	+30	51	57											
BACKGRND	GHDDY	12	26	33.4	+02	19	41											
BACKGRND	GHDDY	12	26	33.4	+02	19	41											
BACKGRND	BLEDW	12	29	33.0	+20	26	02											
BACKGRND	BLEDW	07	54	22.5	+10	04	38											
BACKGRND	BLEDW	07	54	22.5	+10	04	38											
BACKGRND	OD71B	23	41	14.5	-15	33	33											
BACKGRND	OD71B	23	41	14.5	-15	33	33	6.50	M7									
BACKGRND	LDEKH	03	18	04.8	-43	15	12											
BACKGRND	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V								
BACKGRND	PHCAL	07	40	10.9	+29	00	21											
BACKGRND	LDEKH	14	35	55.6	-60	37	19	0.0	G2	V								
BACKGRND	LDEKH	03	18	04.8	-43	15	12	4.3	G5	V								
BACKGRND	PHCAL	11	20	05.2	+43	45	26											
BACKGRND	PHCAL	16	33	43.6	-02	13	09											
BACKGRND	PHCAL	22	03	12.8	-00	33	48											
BACKGRND	PHCAL	23	02	12.0	+02	55	33	0.0										
BACKGRND	PHCAL	15	21	59.9	+10	09	02											
BACKGRND	GHEST	15	00	54.0	-32	53												
BACKGRND	PMECI	05	42	38.2	+09	03	01											
BACKGRND	SJEHM	14	15	28.1	-12	32	34											
BACKGRND	SCEPF	17	42	19.9	-22	09	45											
BACKGRND	SCEPF	17	42	19.9	-22	09	45											
BACKGRND	SCEPF	18	08	41.9	-25	41	56											
BKGROUND	PHCAL	18	15	24.5	-66	06	15											
GEOCORON	SCEPF	19	04	19.7	-31	12	37											
IO TORUS	SIEHM	16	17	29.4	-20	29	54											
IO TORUS	SIEHM	16	17	29.4	-20	29	54											
IO TORUS	SIEHM	16	17	29.4	-20	29	54											
SERENDIP	EGEJC	06	11	28.9	-69	09	11											
SKY	HSEPH	00	54	23.0	-72	45	37	14.9	B2	V								
SKY	HSEPH	00	54	38.0	-72	45	12	12.9	B5	II								
SKY BKGD	SPEMA	07	32	53.9	+03	48	25											
SKY BKGD	PHCAL	07	40	11.3	+29	00	21											
SKY BKGD	NAESM	02	37	44.9	-34	45	37											
SKY BKGD	NAESM	02	37	44.9	-34	45	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 A L S P A P R P	EXPOSE TIME MIN SE	OBSERVATION DATE YR DAY HR MN	ST ID	PROC DATE YR/DAY	OBSERVERS COMMENTS	
SKY BKGD	PHCAL	16 10 23.9	+52 34 59	0.0			07 LWR	13567	H L 0	200 00	82 179 07 41	G 82/183	B=45		
SKY BKGD	PHCAL	10 46 03.7	+52 35 49	0.0			07 LWR	13571	L L 0	210 00	82 180 07 59	G 82/183	B=47		
SKY BKGD	PHCAL	14 50 50.1	+74 01 39	0.0			07 LWR	13578	H L 0	250 00	82 181 07 32	G 82/183	B=50		
SKY BKGD	PHCAL	14 02 44.0	+54 38 09	0.0			07 LWR	13641	L L 0	330 00	82 190 05 28	G 82/190	B=73		
SKY BKGD	PHCAL	02 09 27.7	+30 04 11	0.0			07 LWR	13663	H L 0	360 00	82 193 15 19	G 82/194	B=72		
SKY BKGD	PHCAL	18 33 11.8	+32 39 18	0.0			07 LWR	13760	H L 0	330 00	82 205 05 13	G 82/209	B=70		
SKY BKGD	PMECI	05 42 38.2	+08 03 02	0.0			07 LWR	13932	L L 0	365 00	82 225 02 46	G 82/225	B=66		
SKY BKGD	PHCAL	00 43 39.4	+00 48 03	0.0			07 SWP	17747	H L 0	360 00	82 235 02 56	G 82/235	C=60, B=60		
SKY BKGD	PHCAL	14 42 50.3	+10 11 12	0.0			07 SWP	17754	L L 0	360 00	82 236 03 00	G 82/236	B=70		
SKY BKGD	PHCAL	00 43 39.4	+00 48 03	0.0			07 LWP	1650	L L 0	270 00	82 237 02 45	G 82/239	B=60		
SKY BKGD	PHCAL	05 33 59.6	-06 49 01	0.0			07 LWP	1681	H L 0	345 00	82 273 01 13	G 82/273	B=58		
SKY BKGD	NAERD	10 42 42.7	-59 25 16	0.0			07 LWR	14303	H L 0	240 00	82 274 00 10	G 82/274	B=52		
SKY BKGD	PHCAL	07 23 23.1	+69 17 23	0.0			07 LWR	14321	H L 0	345 00	82 275 23 48	G 82/277	B=80		
SKY BKGD	PMEJL	04 18 53.7	+28 10 02	0.0			07 LWR	14373	L L 0	360 00	82 282 23 17	G 82/286	C=100, B=80		
SKY BKGD	QSEAG	00 03 25.0	+15 53 06	0.0			07 LWR	14451	L L 0	160 00	82 293 23 33	G 82/294*	B=35		
SKY BKGD	QSEAG	00 03 24.9	+15 53 06	0.0			07 SWP	18343	L L 0	070 00	82 294 04 01	G 82/294*	B=45		
SKY BKGD	NSEJR	20 53 56.8	+31 46 05	0.0			07 LWR	14746	L L 0	225 00	82 332 21 01	G 82/334*	B=59		
SKY BKGD	OD84B	11 56 24.3	-18 45 03	0.0			07 LWR	14845	L L 0	370 00	82 351 17 55	G 82/354*	B=50		
SKY BKGD	BLEKH	08 51 57.3	+20 17 59	0.0			07 SWP	18852	L L 0	340 00	82 355 19 19	G 82/355*	B=99		
SKY BKGD	BLEKH	08 51 57.3	+20 17 59	0.0			07 SWP	18852	L S 0	340 00	82 355 19 20	G 82/356*	B=99		
SKY BKGD	NDERD	05 39 06.6	-69 06 40	0.0			07 LWR	15333	L L 0	030 00	83 050 15 53	G 83/052*	C=125, B=35		
SKY BKGD	NDERD	05 39 06.6	-69 06 40	0.0			07 LWR	15334	H L 0	135 00	83 050 16 49	G 83/052*	C=120, B=66		
SKY BKGD	PHCAL	06 11 28.9	-69 09 12	0.0			07 LWR	15432	L L 0	290 00	83 065 12 18	G 83/066*	C=60, B=50		
SKY BKGD	PHCAL	05 41 49.5	+28 23 23	0.0			07 LWR	15512	L L 0	270 00	83 076 12 02	G 83/077*	B=65		
SKY BKGR	CCEKH	05 21 30.7	+17 20 19	5.0			07 SWP	16691	L S 0	035 00	82 094 22 21	G 82/096	E=173, C=1.5X, B=95		
SKY BKGR	LDEKH	14 35 55.6	-60 37 19	0.0			07 SWP	16692	L S 0	003 00	82 095 00 39	G 82/096	E=150, C=1.5X, B=22		
SKY BKGR	LDEKH	08 08 10.2	-61 09 08	4.8			07 SWP	16693	L S 0	030 00	82 095 01 19	G 82/096	E=18, C=5-10X, B=20		
SKY BKGR	BLEKH	08 51 57.2	+20 17 57	15.0			07 LWR	15458	L S 0	179 00	83 069 12 08	G 83/077*	B=42		
SKY BKGR	BLEKH	08 51 57.2	+20 17 57	15.0			07 SWP	19434	L L 0	290 00	83 069 12 33	G 83/077*	E=3X, B=61		
SKY BKGR	BLEKH	08 51 57.2	+20 17 57	15.0			07 LWR	15459	L S 0	179 00	83 069 15 46	G 83/077*	B=60		
SKY BKGR	BLEKH	08 51 57.2	+20 17 57	15.0			07 SWP	19434	L S 0	140 00	83 069 15 48	G 83/077*	B=61		
SKYBKGD	BLEKH	08 51 57.3	+20 17 58	15.0			07 SWP	18841	L L 0	240 00	82 354 20 50	G /	B=72		
SKYBKGD	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	07 SWP	19598	H L 0	010 00	83 090 22 55	G 83/091*	B=130	
SKYBKGD	PHCAL	07 32 08.1	-50 28 29	6.7	EO.11	B3	IV	07 LWR	15631	H L 0	018 00	83 090 23 32	G 83/091*	B=130	
SKYBKGD	BLEKH	08 51 57.3	+20 17 59	15.0			07 LWR	14866	L S 0	270 00	82 355 19 14	G 82/356*	B=65		
SKYBKGD	FSEJL	10 16 53.0	+20 07 17	15.0			07 SWP	19169	L S 0	040 00	83 033 07 51	G 83/062*	E=32, C=25, B=25		
SKYBKGD	FSEJL	10 16 53.0	+20 07 17	15.0			07 SWP	19170	L S 0	040 00	83 033 10 10	G 83/062*	E=33, C=25, B=25		
SKYBKGD	FSEJL	10 16 53.0	+20 07 17	15.0			07 SWP	19171	L S 0	040 00	83 033 11 44	G 83/062*	B=25		
SKYBKGD	FSEJL	10 16 53.0	+20 07 17	15.0			07 SWP	19172	L S 0	035 00	83 033 13 12	G 83/063*	B=25		
SKYBKGD	FSEJL	07 42 03.0	+03 40 33	15.0			07 SWP	19177	L S 0	080 00	83 034 05 26	G 83/063*	B=25		

OBJECT ID	PROG ID	TARGET			VIS MAG	B-V OR EB-V	SPEC TYPE	OB CL	IMAGE SEQ NUM	D A L S P A P R P	EXPOSE TIME		OBSERVATION DATE		ST ID	PROC DATE	OBSERVERS COMMENTS							
		HR	MN	SEC							RA DEG	DEC MN	SC	MIN				SE	YR	DAY	HR	MN	YR/DAY	
SKYBKGN	FSEJL	07	42	03.0	+03	40	33			07	SWP	19178	L	S	0	080	00	83	034	07	51	G	83/063*	B=22
SKYBKGN	BYEJL	10	16	52.9	+20	07	15	9.4		07	SWP	19191	L	S	0	040	00	83	035	14	41	G	83/038*	B=25
SKYBKGN	FSEJL	10	16	52.9	+20	07	15	9.4		07	SWP	19196	L	S	0	060	00	83	036	02	12	G	83/038*	B=23
SKYBKGN	FSEJL	10	16	52.9	+20	07	15	9.4		07	SWP	19197	L	S	0	060	00	83	036	04	05	G	83/038*	B=25
SKYBKGN	BLEKH	08	51	57.2	+20	17	58	15.8		07	LWR	15466	L	S	0	130	00	83	070	12	10	G	83/073*	C=205,B=43
SKYBKGN	BLEKH	08	51	57.2	+20	17	58		E	07	SWP	19443	L	L	0	230	00	83	070	12	34	G	83/074*	B=40
SKYBKGN	BLEKH	08	51	57.2	+20	17	58	15.8		07	LWR	15467	L	S	0	100	00	83	070	15	09	G	83/074*	C=170,B=40
SKYBKGN	BLEKH	08	51	57.2	+20	17	58			07	SWP	19443	L	S	0	230	00	83	070	15	12	G	83/074*	B=40
SKYBKGN	BLEKH	08	51	57.2	+20	17	58			07	LWR	15468	L	S	0	070	00	83	070	17	33	G	83/074*	C=140,B=40
SKYBKGN	CVFJR	06	43	03.4	-16	48	24	12.7		07	SWP	19490	L	S	0	030	00	83	079	00	06	G	83/080*	E=182,C=156,B=78
SKYBKGRD	NAESM	02	37	44.9	-34	45	37			07	LWR	13416	L	L	0	240	00	82	156	07	18	G	82/158	B=71
SKYBKGRD	GHEST	15	00	53.9	-32	52	59			07	SWP	17295	H	L	0	935	00	82	176	20	21	G	82/180	B=125
SKYBKGRD	LDEKH	05	04	38.8	-57	32	21	4.7		07	SWP	17682	L	S	0	031	00	82	226	12	13	G	82/228	C=2.5X,B=98
SKYBKGRD	BLEAG	16	41	17.6	-39	54	11			07	LWR	14446	L	L	0	005	00	82	293	03	32	G	82/293*	C=25,B=25
SKYBKGRD	BLEAG	16	41	17.6	+39	54	11			07	SWP	18334	L	L	0	045	00	82	293	04	34	G	82/293*	B=45
SKYBKGRN	CCEKH	05	21	30.7	+17	20	19	5.0		07	SWP	16715	L	S	0	020	00	82	097	22	37	G	82/098	B=1.5
SKYBKGRN	NDERD	07	23	23.1	+69	17	23	0.1		07	SWP	17390	L	S	0	060	00	82	190	13	21	G	82/190	B=92
SKYBKGRN	NDERD	07	23	23.1	+69	17	23	0.1		07	LWR	13642	L	S	0	060	00	82	190	14	26	G	82/190	B=73
SKYBKGRN	SCEMA	04	41	20.0	-34	09	12			07	SWP	17406	L	L	0	010	00	82	192	13	50	G	82/193	B=20
SKYBKGRN	SPEJC	17	36	05.9	-22	01	05	7.5		07	SWP	17438	L	L	0	840	00	82	198	03	34	G	82/200	B=100
SKYBKGRN	LDEKH	03	18	04.8	-43	15	12	4.3		07	SWP	17681	L	S	0	035	00	82	226	10	50	G	82/228	B=105
SKYBKGRN	LDEKH	03	18	04.8	-43	15	12	4.3		07	SWP	17694	L	S	0	035	00	82	227	11	19	G	82/228	B=112
SKYBKGRN	LDEKH	05	04	38.8	-57	32	21	4.7		07	SWP	17695	L	S	0	031	00	82	227	12	40	G	82/228	B=115
SKYUJ287	BLEKH	08	51	57.3	+20	17	58			07	SWP	18841	L	L	0	240	00	82	354	20	51	G	/	* B=72