АКАДЕМИЯ НАУК СССР
ГЛАВНАЯ АСТРОНОМИЧЕСКАЯ ОБСЕРВАТОРИЯ

А. А. Михайлов

АТЛАС ЗВЕЗДНОГО НЕБА

20 карт со всеми звездами до 6.5 величины
на обоих полушариях неба для равноденствия 1950.0
с приложением полного каталога
всех изображенных на картах звезд и объектов

АКАДЕМИЯ НАУК СССР
ГЛАВНАЯ АСТРОНОМИЧЕСКАЯ ОБСЕРВАТОРИЯ

А. А. Михайлов

АТЛАС ЗВЕЗДНОГО НЕБА

Объяснение и полный каталог
всех изображенных на картах звезд и объектов

ИЗДАТЕЛЬСТВО «НАУКА»
ЛЕНИНГРАДСКОЕ ОТДЕЛЕНИЕ
ЛЕНИНГРАД 1974

Атлас звездного неба состоит из 20 карт, охватывающих все небо от северного до южного полюса. На картах изображены все звезды до 6.5 визуальной величины общим числом свыше 8500, т.е. больше, чем может видеть острый невооруженный глаз. Особо отмечены переменные, двойные и близкие между собой звезды, а также наиболее яркие или интересные звездные скопления и туманности. К атласу приложен полный каталог всех помеченных на картах объектов с указанием их координат, звездной величины, обозначений, созвездий и других данных. В приложенной таблице даны изменения координат вследствие прецессии.

Атлас предназначается для углубленного изучения звездного неба широким кругом специалистов и любителей астрономии, а также работниками школ. Он может служить ключом к немому атласу того же автора (3-е изд., 1969), содержащему звезды до 8.25 величины.

М $\frac{0264-1001}{042(02)-74}$ 432-73

© Издательство „Наука" 1974

ОБЪЯСНЕНИЕ К АТЛАСУ

Звездные атласы состоят из собрания карт, на которых в определенных картографических проекциях изображены условными знаками видимые нам на небесной сфере звезды в пределах заданных звездных величин и другие объекты – скопления, туманности и т.д. Проекции выбираются в зависимости от назначения карт, обычно так, чтобы искажения были небольшими и отсчет координат изображенных объектов по координатной сетке был достаточно удобен. Такие карты служат для отождествления звезд на небе при наблюдении невооруженным глазом, в бинокль или в телескоп.

В последние десятилетия в нашей стране были изданы составленные нами атласы: со звездами до 5.5 величины и до 50° южного склонения из четырех карт для общего ознакомления со звездным небом (4-ое издание, 1965 г.) и со звездами до 8.25 величины для всего неба из двадцати карт более специального назначения (3-е издание, 1969 г.). Последний атлас немой, т.е. без границ и названий созвездий и буквенных обозначений звезд. Промежуточного по подробности атласа со всеми звездами, видимыми невооруженным глазом, у нас не издавалось более пятидесяти лет. Поэтому было желательно заполнить этот пробел изданием атласа со звездами до 6.5 величины для всего неба. Такой атлас, имеющий с упомянутым большим атласом одинаковое число и расположение карт, содержащий названия созвездий и обозначения звезд, может служить ему ключом, чему не препятствует некоторое различие эпох равноденствия – 1900.0 в старом большом атласе и 1950.0 в настоящем, а также различие масштабов.

Двадцать карт настоящего атласа охватывают все небо от северного до южного полюса. Соседние карты перекрываются краями на 5° по склонению и на 40 мин. по прямому восхождению. Общее расположение карт пояснено на прилагаемой схеме.

Изображения звезд. Звезды нанесены на карты по экваториальным координатам для равноденствия 1950.0 и условно изображены черными кружками разных диаметров в зависимости от величины звезд с градацией через 0.5 величины согласно следующей схеме:

звезды от	0.76	до	1.25	величины	отнесены к	1.0
	1.26	"	1.75	"	"	1.5
	1.76	"	2.25	"	"	2.0
	2.26	"	2.75	"	"	2.5
	.....		.....	....	.....	.....
	6.26		6.50	"	"	6.5

Более точные значения звездных величин дает подробный каталог на стр. 7–42.

На каждой карте под рамкой даны условные знаки: величины звезд, обозначения переменных (var), двойных (dup) и близких между собой (vic) звезд, скоплений (cum), из которых выделены шаровые (glb) скопления, и туманностей (neb), из которых выделены планетарные (pln) туманности.

Созвездия. Еще в глубокой древности звезды были мысленно объединены в группы, называемые созвездиями. Было выделено 12 созвездий, через которые пролегает видимый путь Солнца по звездному небу, называемый эклиптикой. Это большой круг, наклоненный к небесному экватору под углом 23°27′ и пересекающий его в двух диаметрально противоположных точках – весеннего и осеннего равноденствия. Эклиптика изображена на картах тонкой черной линией.

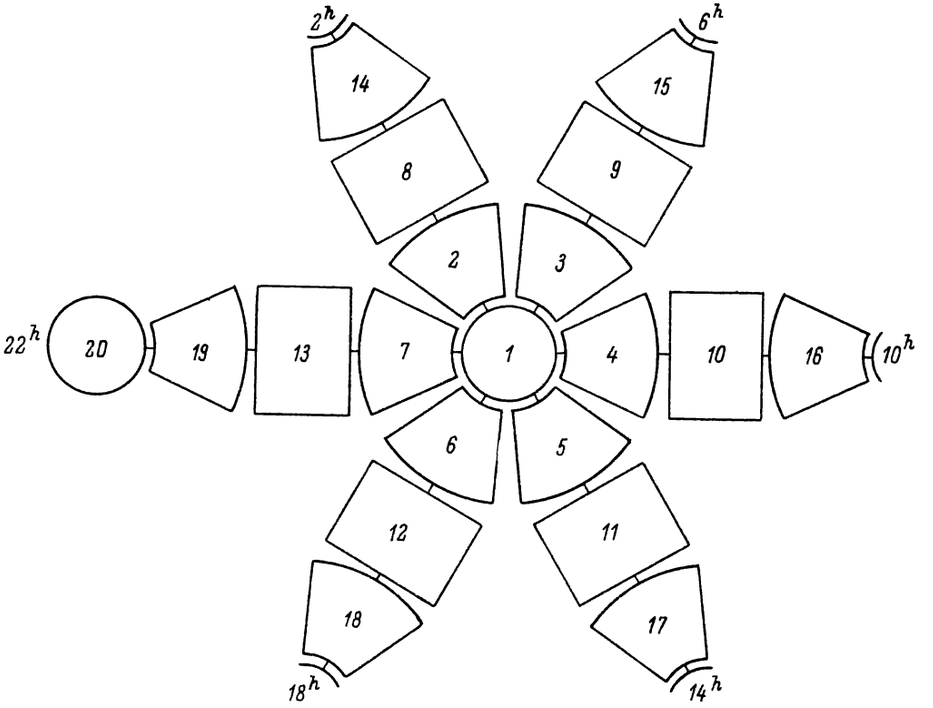


Схема расположения карт

В остальной части неба, видимой в Европе и странах античного мира, тоже давно было выделено несколько десятков созвездий, названия которых частично связаны с греческими и римскими мифами. При развитии путешествий в южные страны были выделены новые созвездия на южном небе, названные в честь диковинных животных, птиц и рыб (Хамелеон, Тукан, Золотая Рыба и пр.) или новых научных приборов (Микроскоп, Воздушный Насос и пр.). Обширное созвездие Корабля Аргонавтов было впоследствие разделено на четыре части (Киль, Корма, Компас и Паруса). Созвездия разграничивались кривыми

линиями, приблизительно оконтуривавшими фантастические фигуры, изображавшие объекты, по которым названы созвездия. Хотя такое деление неба на созвездия не имеет научного значения, но укоренившийся обычай оказался достаточно удобным для ориентирования среди более ярких звезд и применяется доныне.

Однако в 1925 г. Международный астрономический союз решил упорядочить число, названия и границы созвездий. Было установлено 88 созвездий, перечисленных в табл.1 с их русскими и латинскими именами, а также принятые трехбуквенные сокращения. Границы созвездий были проведены по дугам кругов склонений и суточных параллелей так, чтобы все ранее названные звезды, включая переменные, оставались в пределах прежних созвездий. Поскольку вследствие прецессии координатная сетка смещается относительно звезд, пришлось взять положения упомянутых кругов для некоторой избранной эпохи равноденствия, именно 1875.0 г., для которой имелись подробные звездные карты, в частности южного неба. С тех пор координатная сетка сместилась относительно звезд, с которыми должны быть скреплены границы. Поэтому на наших картах, составленных для равноденствия 1950.0 г., границы созвездий имеют небольшой перекос относительно координатной сетки. Во избежание загромождения карт длинными надписями названий созвездий, эти надписи даны на них сокращенные латинские.

Обозначения звезд. В 1603 г. германский астроном И.Байер присвоил звездам в каждом созвездии греческие буквы приблизительно в порядке убывания блеска начиная с α - как правило, с наиболее яркой звезды в созвездии. Когда не хватило греческого алфавита, обозначения были продолжены латинскими строчными буквами за исключением прописной A для лучшего отличия от греческой α . Кроме таких буквенных обозначений звезды имеют также номера, взятые из каталога Флемстида 1725 г., идущие в порядке возрастающих прямых восхождений. Наконец некоторые, обычно более яркие, звезды имеют еще и собственные имена греческого, латинского или арабского происхождения, наиболее употребительные из которых приведены в табл.2.

Таким образом, звезды обозначаются буквой или номером, или тем и другим вместе с названием созвездия в родительном падеже, обычно сокращенным латинским. Так, например, самая яркая звезда всего неба есть Сириус = α Большого Пса = 9αCanis Majoris = α CMa, или звезда 61 Лебедя = = 61 Cygni = 61 Cyg и т.д. Огромное большинство звезд вообще не имеет таких названий, они обозначаются экваториальными координатами с обязательным указанием эпохи равноденствия, часто с прибавлением звездной величины.

На наших картах, во избежание загромождения надписями и потери наглядности, проставлены лишь буквенные обозначения звезд, все остальное содержится в каталоге на стр. 7-42. Когда несколько близлежащих звезд имеет единую букву, но с разными числовыми индексами, буква на карте стоит один раз посреди группы таких звезд, а индексы расставлены у соответствующих звезд. Границы созвездий и все надписи даны на картах красным цветом, который при слабом искусственном освещении становится мало заметным, благодаря чему лучше выделяются изображения звезд.

Каталог звезд. Полный список всех звезд, помеченных на картах, приведен на стр. 7-42. Каталог в порядке столбцов содержит следующие данные:

прямое восхождение α и склонение δ звезды для равноденствия 1950.0, mag - визуальная величина, var означает переменность блеска, sp - спектральный класс с десятичным подразделением, const - созвездие и обозначение; буква d означает, что звезда двойная и содержится в списке двойных звезд на стр. 43-47, буква v - наличие соседней звезды, что указано в списке близких между собой звезд на стр 48.

Спектральный класс в основном зависит от температуры звезды, определяющей ее цвет. Это соотношение приблизительно таково:

Спектр	Показатель цвета, вел.	Цвет	Температура
B0	-0.3	Голубоватый	30000°K
A0	0.0	Белый	11000
F0	+0.3	Желтоватый	7600
G0	+0.6	Желтый	6000
K0	+1.0	Оранжевый	5100
M0	+1.6	Красный	3600

Переменные звезды. Некоторые звезды периодически или неправильно меняют свой блеск. Такие переменные звезды отмечены на картах особым значком - колечком (var) в тех случаях, когда звезда в максимуме блеска не слабее 6.5 величины и амплитуда его изменения превышает 0.3 величины. Список таких звезд приведен на стр. 43, в котором после координат α и δ указаны в графе max - min предельные величины в максимуме и минимуме блеска, далее, тип переменности, период в сутках и обозначение. Тип переменности указан буквами:

C - цефеида,
E - затменная,
I - неправильная,
M - долгопериодическая,
N - новоподобная,
S - полуправильная.

Двойные звезды. Значительная часть звезд - двойные, состоящие из двух, а иногда и больше, физически близких между собой звезд, совершающих орбитальное движение вокруг общего центра массы. В редких случаях среди двойных звезд встречаются оптические пары, лишь проектирующиеся на небесную сферу по общему направлению, но в действительности находящиеся на разных расстояниях от нас и далеко одна от другой. На наших картах отмечены особым образом (перечеркнуты) те звезды (dup), двойственность которых может быть замечена в небольшой телескоп с отверстием в 10-12 см. Список таких звезд приведен на стр. 43-47, в котором кроме координат α и δ дана суммарная величина Σ , величины обеих составляющих (mag), видимое угловое расстояние (dist) в секундах дуги и обозначение или созвездие (const). Периоды обращения большинства таких звезд исчисляются сотнями лет и поэтому расстояния меняются очень медленно. В редких случаях, когда имеется быстрое орбитальное движение, заметно изменяющее расстояние, такая пара отмечена буквой „o".

Близкие звезды. К двойным звездам обычно относятся пары, угловые расстояния между которыми не превышают 40". Однако есть пары звезд, чаще всего оптические, со значительно большими расстояниями, но еще недостаточными для того, чтобы в масштабе карт пометить каждую в отдельности. Такие звезды на картах подчеркнуты и отнесены к разделу vic =vicinae - соседние. Их угловое расстояние находится в пределах 0'.7-10'. Список таких звезд приведен в таблице на стр. 48, где опять наряду с координатами обычно более яркой звезды пары, даны величины обеих звезд и угловое расстояние в минутах дуги между ними, а также обозначение и созвездие.

Звездные скопления и туманности. На картах особыми знаками помечены те из этих объектов, которые видны в небольшую трубу или светосильный бинокль и, в виде исключения, еще несколько таких, которые хотя трудно доступны малым инструментам, но представляют особый интерес и часто упоминаются в астрономической литературе. Отдельно показаны рассеянные (cum) и шаровые (glb) звездные скопления, туманности (neb), кроме планетарных (pln). Их список приведен на стр. 48, в котором указаны координаты середины объекта, его примерные угловые размеры (dim) в минутах дуги приближенная суммарная величина (mag), тип, именно

G – шаровое скопление,
O – рассеянное скопление,
N – неправильная туманность,
P – планетарная "
S – спиральная "

Обозначения указаны по каталогу Мессье – M, по Новому общему каталогу NGC или Индекс-каталогу IC . В последнем столбце указано созвездие.

Млечный Путь на картах изображен схематически, приблизительно растушеванными изофотами. Средняя линия Млечного Пути – галактический экватор, нанесен тонкой синей линией. Северный полюс Галактики принят согласно международному решению $\alpha = 12^h49^m$, $\delta = +27^\circ.5$ для равноденствия 1950.0.

Таблица прецессии. Для приведения экваториальных координат к другой эпохе равноденствия служит таблица на стр. 50 , в которой даны изменения прямого восхождения и склонения в сто лет. Прецессия по α зависит от обеих координат и поэтому соответствующая таблица имеет два входа, причем аргументы α и δ нужно брать сверху и слева, либо снизу и справа; вековая прецессия по прямому восхождению получается тогда в минутах времени. Прецессия по склонению зависит только от α и таблица дает вековую прецессию по δ в минутах дуги.

Главные источники, использованные при составлении атласа:

Координаты звезд
B.Boss. General catalogue. Washington, 1937.

Величины, спектры и обозначения звезд
D.Hoffleit. Catalogue of Bright Stars. New Haven, 1964.
Revised Harvard Photometry. Cambridge, Mass, 1908.

Созвездия и их границы
E.Delporte. Délimitation scientifique des Constellation. Cambridge, 1930.

Переменные звезды
Б.В.Кукаркин и др. Общий каталог переменных звезд. Москва, т.1, 1969, т.2, 1970.

Двойные звезды
R.G.Aitken. New General Catalogue of Double Stars. Washington, 1932.
R.T.A.Innes. Southern Double Star Catalogue. Johannesburg, 1927.

Звездные скопления и туманности
R.Sagot, J.Texereau. Revue des Constellations. Paris, 1963.
A.Bečvář. Atlas Coeli II. Katalog 1950. Praha, 1959.

Млечный Путь
J.C.Hozeau. Uranométrie Générale. Annales Obs. Bruxelles, 1878.

ГРЕЧЕСКИЙ АЛФАВИТ

α альфа	η эта	ν ню	τ тау
β бета	ϑ тета	ξ кси	υ ипсилон
γ гамма	ι иота	o омикрон	φ фи
δ дельта	$\varkappa$ каппа	π пи	χ хи
ε эпсилон	λ ламбда	ρ ро	ψ пси
ζ дзета	μ мю	σ сигма	ω омега

СОБСТВЕННЫЕ ИМЕНА ЗВЕЗД

Наиболее употребительные выделены прописью, звездочкой отмечены Плеяды

Алиот	ε UMa	Мекаб	α Cet
Альбирео	β Cyg	Менкалинан	β Aur
Альгейба	γ Leo	Менкар	α Cet
Альгениб	α Per	Мерак	β UMa
АЛЬГОЛЬ	β Per	Меропе	23 Tau*
АЛЬДЕБАРАН	α Tau	Мизар	ζ UMa
Альдерамин	α Cep	Мира (Цети)	o Cet
Алькор 80	g UMa	Мирах	β And
Альмак	γ And	Мирзам	β CMa
АЛЬТАИР	α Aql	Мирфак	α Per
Альфакка	α CrB	Нат	β Tau
Альфард	α Hya	Плейоне	28 Tau*
Альферац	α And	ПОЛЛУКС	β Gem
АЛЬЦИОНЕ 25	η Tau*	ПОЛЯРНАЯ	α UMi
АНТАРЕС	α Sco	Презепе	ε Cnc
АРКТУР	α Boo	ПРОЦИОН	α CMi
Астеропе 21	Tau*	Рас Альгети	α Her
АХЕРНАР	α Eri	Рас Альхаге	α Oph
БЕЛЛАТРИКС	γ Ori	РЕГУЛ	α Leo
Бенетнаш	η UMa	РИГЕЛЬ	β Ori
БЕТЕЛЬГЕЙЗЕ	α Ori	Садальмелек	α Aqr
ВЕГА	α Lyr	СИРИУС	α CMa
Гемма	α CrB	СПИКА	α Vir
ДЕНЕБ	α Cyg	Тайгета 19	Tau*
Денебола	β Leo	Тубан	α Dra
Дубхе	α UMa	Факт	α Col
КАНОПУС	α Car	Фекда	γ UMa
КАПЕЛЛА	α Aur	ФОМАЛЬХАУТ	α PsA
КАСТОР	α Gem	Хамаль	α Ari
Каф	β Cas	Целано 16	Tau*
Каффа	α UMa	Шеат	β Peg
Кор Кароли	α CVn	Шедир	α Cas
Кохаб	β UMi	Шератан	β Ari
Майя 20	Tau*	Электра 17	Tau*
Маркаб	α Peg	Этамин	γ Dra
Мегрец	δ UMa		

НАЗВАНИЯ СОЗВЕЗДИЙ

Сокращения	Латинские: именительный падеж	Латинские: родительный падеж	Русские	Номера карт
And	Andromeda	Andromedae	Андромеда	2 7 8
Ant	Antlia	Antliae	Воздушный Насос	16
Aps	Apus	Apodis	Райская Птица	20
Aql	Aquila	Aquilae	Орел	12 13
Aqr	Aquarius	Aquarii	Водолей	13 19 8 14
Ara	Ara	Arae	Жертвенник	18
Ari	Aries	Arietis	Овен	8 2
Aur	Auriga	Aurigae	Возничий	3
Boo	Bootes	Bootis	Волопас	5 11
Cae	Caelum	Caeli	Резец	15
Cam	Camelopardalis	Camelopardalis	Жираф	1 3 2 4
Cap	Capricornus	Capricorni	Козерог	13 19 12 18
Car	Carina	Carinae	Киль (Корабля)	16 15 20
Cas	Cassiopeia	Cassiopeiae	Кассиопея	2 1 7
Cen	Centaurus	Centauri	Центавр	17 16
Cep	Cepheus	Cephei	Цефей	1 7
Cet	Cetus	Ceti	Кит	8 14 13
Cha	Chamaeleon	Chamaeleontis	Хамелеон	20
Cir	Circinus	Circini	Циркуль	17 20
CMa	Canis Major	Canis Majoris	Большой Пес	9 15
CMi	Canis Minor	Canis Minoris	Малый Пес	9 10
Cnc	Cancer	Cancri	Рак	10 9 4 3
Col	Columba	Columbae	Голубь	15
Com	Coma Berenices	Comae Berenices	Волосы Вероники	5 11 4 10
CrA	Corona Australis	Coronae Australis	Южная Корона	18
CrB	Corona Borealis	Coronae Borealis	Северная Корона	5 6
Crt	Crater	Crateris	Чаша	10 16
Cru	Crux	Crucis	Крест	17 16
Crv	Corvus	Corvi	Ворон	11 10 17 16
CVn	Canes Venatici	Canum Venaticorum	Гончие Псы	5 4
Cyg	Cygnus	Cygni	Лебедь	7 6
Del	Delphinus	Delphini	Дельфин	13
Dor	Dorado	Doradus	Золотая Рыба	15 14
Dra	Draco	Draconis	Дракон	1 5 6 7
Equ	Equuleus	Equulei	Малый Конь	13
Eri	Eridanus	Eridani	Эридан	8 9 14
For	Fornax	Fornacis	Печь	14
Gem	Gemini	Geminorum	Близнецы	3 9 14
Gru	Grus	Gruis	Журавль	19
Her	Hercules	Herculis	Геркулес	6 12 5 11
Hor	Horologium	Horologii	Часы	14 15
Hya	Hydra	Hydrae	Гидра	10 16 17 9
Hyi	Hydrus	Hydri	Южная Гидра	14
Ind	Indus	Indi	Индеец	19 20

Сокращения	Латинские: именительный падеж	Латинские: родительный падеж	Русские	Номера карт
Lac	Lacerta	Lacertae	Ящерица	7
Leo	Leo	Leonis	Лев	10 4 11
Lep	Lepus	Leporis	Заяц	9 15
Lib	Libra	Librae	Весы	11 17 12
LMi	Leo Minor	Leonis Minoris	Малый Лев	4
Lup	Lupus	Lupi	Волк	17 18
Lyn	Lynx	Lyncis	Рысь	3 4
Lyr	Lyra	Lyrae	Лира	6
Men	Mensa	Mensae	Столовая Гора	20
Mic	Microscopium	Microscopii	Микроскоп	19
Mon	Monoceros	Monocerotis	Единорог	9 10
Mus	Musca	Muscae	Муха	16 17 20
Nor	Norma	Normae	Наугольник	17 18
Oct	Octans	Octantis	Октант	20
Oph	Ophiuchus	Ophiuchi	Змееносец	12 11 18
Ori	Orion	Orionis	Орион	9
Pav	Pavo	Pavonis	Павлин	18 19 20
Peg	Pegasus	Pegasi	Пегас	13 7 8 3
Per	Perseus	Persei	Персей	2 3
Phe	Phoenix	Phoenicis	Феникс	14
Pic	Pictor	Pictoris	Живописец	15
PsA	Piscis Austrinus	Piscis Austrini	Южная Рыба	15
Psc	Pisces	Piscium	Рыбы	8 13 2
Pup	Puppis	Puppis	Корма (Корабля)	15 16 9 10
Pyx	Pyxis	Pyxidis	Компас (Корабля)	16 10
Ret	Reticulum	Reticuli	Сетка	14 15
Scl	Sculptor	Sculptoris	Скульптор	14 19
Sco	Scorpius	Scorpii	Скорпион	18 12 11 17
Sct	Scutum	Scuti	Щит	12
Ser	Serpens	Serpentis	Змея	11 12 5
Sex	Sextans	Sextantis	Секстант	10
Sge	Sagitta	Sagittae	Стрела	12 13
Sgr	Sagittarius	Sagittarii	Стрелец	18 19 12
Tau	Taurus	Tauri	Телец	9 8 3 2
Tel	Telescopium	Telescopii	Телескоп	18 19
TrA	Triangulum Australe	Trianguli Australis	Южный Треугольник	17 18 20
Tri	Triangulum	Trianguli	Треугольник	2
Tuc	Tucana	Tucanae	Тукан	19 14 20
UMa	Ursa Major	Ursae Majoris	Большая Медведица	4 5 1 3
UMi	Ursa Minor	Ursae Minoris	Малая Медведица	1 5
Vel	Vela	Velorum	Паруса (Корабля)	16 15
Vir	Virgo	Virginis	Дева	11 10
Vol	Volans	Volantis	Летучая Рыба	15 16
Vul	Vulpecula	Vulpeculae	Лисичка	6 7 12 13

0^h					0^h					0^h					0^h			
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
0.0	+65°49'	5.9	G8	Cas d	12.4	+ 8°33'	5.9	A9	35 Psc d	27.9	-24° 4'	5.2	A3	Cet	40.3	-38°44'	6.0	A0	λ¹ Scl
0.4	-20 20	6.3	F7	Cet	12.4	-35 11	6.3	K0	Scl	28.0	-48 29	5.7	F1	Phe	40.3	-65 45	5.4	F5	ρ Tuc
0.8	+63 22	6.2	B3	Cas	12.6	+27 0	6.2	A1	And	28.0	-41 13	6.2	F2	Phe	40.5	-60 32	6.0	K2	Tuc
1.2	-17 37	4.5	B9	2 Cet	12.9	-32 19	var	M3	S Scl	28.5	+66 15	6.1	B5	13 Cas	40.7	+46 45	5.0	A5	20π Cas
1.6	+62 1	5.9	A0	Cas	13.4	+76 40	6.2	B9	Cep	28.8	+33 18	5.8	K1	And	41.1	-18 15	2.0	K1	16β Cet
1.8	-16 48	5.8	K2	Cet	13.6	-31 41	5.7	K5	Scl	28.9	+52 34	5.6	K2	Cas	41.1	-57 44	4.4	A0	η Phe
1.8	-29 33	6.4	A0	Scl	13.7	+43 19	6.0	A0	And d	29.0	+54 15	4.8	B8	14 λCas	41.3	-12 17	6.2	G5	Cet
1.9	-10 47	5.2	K3	3 Cet	14.0	+ 7 58	6.1	G6	36 Psc	29.0	-49 5	4.8	A0	λ¹Phe	41.6	+47 35	5.6	B5	Cas
2.0	+41 49	6.0	A2	And d	14.2	-20 29	6.5	B8	Cet	29.3	-63 14	3.7	B8	β Tuc d	41.7	-10 53	4.8	K0	17φ¹Cet
2.1	+66 53	5.7	K1	Cep	14.3	+61 15	5.7	G4	Cas	29.7	+43 13	6.5	A0	And	41.8	-38 42	6.0	K0	λ²Scl
2.2	-71 43	5.6	B8	Tuc	14.5	+38 24	4.6	A2	24 ϑ And	29.8	+ 6 41	5.6	A0	51 Psc d	41.9	+48 1	4.6	B2	22 o Cas
2.3	+34 23	6.1	G2	And	14.5	+47 40	5.8	B9	Cas	30.0	+20 1	5.4	K0	52 Psc	42.3	-22 17	5.2	F2	Cet
2.5	- 0 47	6.3	G9	Psc	15.0	-19 20	6.4	F0	Cet	30.1	+62 39	4.2	B1	15 κCas	42.3	+74 43	var	A2	21 YZCas d
2.5	+61 2	5.8	B6	Cas	15.1	+51 9	6.0	O9	A0 Cas	30.2	+28 0	6.3	K0	And d	42.4	-62 46	6.2	F5	Tuc d
2.6	+44 57	6.5	A0	And d	15.2	+ 1 25	6.2	G6	Psc	30.3	+70 42	6.3	A0	Cas	42.4	+54 57	5.5	A2	Cas
2.8	- 5 59	4.6	K3	33 Psc	15.7	+36 30	4.5	A2	25 σ And	30.4	+54 37	6.0	K0	Cas	42.6	-42 57	5.9	A7	Phe
3.1	+13 7	5.5	G5	86 Peg	15.7	+10 56	6.1	K0	Psc	30.5	-63 18	5.2	A2	Tuc	42.7	-53 59	6.1	F6	Phe
3.6	+58 9	5.9	G4	Cas d	16.0	+31 14	5.7	A1	And	30.2	-29 50	5.5	K2	Scl	42.9	- 4 54	6.4	M0	Cet
3.7	-49 21	5.7	G1	Phe	16.1	+43 31	6.1	B9	26 And d	31.3	-71 33	6.1	A4	ϑ Tuc	43.0	-13 9	6.1	F8	18 Cet
3.8	+63 55	5.4	B8	10 Cas	16.1	- 8 20	6.4	G0	Cet	31.5	+66 28	6.4	B9	16 Cas	43.2	-16 42	6.5	F0	Cet d
4.0	+28 45	6.1	K0	And	16.2	-43 31	6.3	G9	Phe	32.1	-52 39	5.6	F6	Phe	43.4	+44 35	6.0	B8	And
4.3	-23 23	6.2	A7	Cet	16.9	- 9 6	3.6	K2	8 ι Cet	32.3	+13 6	6.5	K0	Psc	43.4	-47 50	5.8	K0	Phe
4.8	-17 40	6.2	A3	Cet	17.1	+40 27	6.3	K1	And	32.7	- 3 52	5.2	F8	13 Cet	43.5	+69 3	6.3	F2	Cas
5.2	- 2 50	6.4	A0	Psc	17.4	+48 35	6.4	A0	Cas	33.0	- 0 47	5.9	F2	14 Cet	43.7	-22 47	5.6	G6	Cet
5.2	-22 47	5.9	A3	Cet	17.5	-65 10	4.2	G2	ζ Tuc	33.2	-55 6	6.0	K0	Phe	43.8	+59 18	6.4	G0	Cas
5.5	-33 48	5.7	K1	Scl	17.8	+30 40	5.8	B6	And	33.3	-48 16	5.5	F7	λ²Phe	43.9	+15 12	5.4	M4	57 Psc
5.6	- 2 44	6.1	K2	Psc	18.0	+ 7 55	5.4	K3	41 d Psc	33.3	+12 46	6.4	F5	Psc	44.4	+74 34	5.4	B8	23 Cas
5.7	- 9 6	6.0	G8	Cet	18.1	+32 38	5.8	K5	And d	33.3	+55 54	5.2	B8	Cas	44.4	+11 42	5.5	G9	58 Psc
5.8	+28 49	2.0	B9	21 α And	18.3	-69 54	5.5	B9	π Tuc	33.6	+60 3	5.8	A2	Cas	44.6	+19 18	6.0	A5	59 Psc
6.0	-17 51	6.4	M1	Cet	18.5	+37 42	5.1	F5	27 ρ And	33.6	-23 7	6.0	A7	Cet	44.7	+24 0	5.1	K1	34 ζ And
6.1	+36 21	6.0	F4	And	19.0	-29 15	5.2	G8	ι Scl	33.7	+26 59	6.3	A	And	44.8	+ 6 28	6.0	G6	60 Psc
6.3	+25 11	6.2	K0	Peg	19.2	-20 20	var	M5	T Cet	34.0	+44 13	5.3	K5	And	44.9	+72 24	5.9	K0	Cas
6.5	+17 56	5.5	G9	Peg	19.4	-77 42	6.0	K0	Hya	34.2	+53 37	3.6	B2	17 ζCas	45.2	-18 20	5.9	K3	Cet
6.5	+58 52	2.2	F2	11 β Cas	19.8	+13 12	6.2	K2	42 Psc d	34.2	+14 57	5.8	B3	53 Psc	45.3	+20 40	6.4	F6	61 Psc
6.5	-54 17	5.4	F2	Scl	20.3	-12 29	6.4	G2	9 Cet	34.2	+33 27	4.4	B5	29 π And d	45.5	-22 0	5.6	B9	Cet
6.5	+79 26	6.1	A3	Cep	21.4	+38 18	var	S6	R And	34.4	-65 24	6.4	K2	Tuc	45.7	+ 0 2	5.9	G7	62 Psc
6.8	-28 16	5.4	F2	χ¹Scl d	21.6	+51 45	5.6	B5	Cas	34.5	+23 44	6.4	K1	And	45.8	+ 5 1	5.8	K4	Psc
6.9	-46 1	3.9	K0	ε Phe	21.9	- 2 30	6.1	K1	Psc	34.7	+35 7	5.5	G0	And	46.0	+50 42	5.0	B9	25 ν Cas
7.5	+10 52	5.5	B8	34 Psc d	22.0	+61 33	5.4	B8	12 Cas	34.8	-25 3	5.6	G5	Cet	46.1	+57 33	3.4	G0	24η Cas d
7.7	+45 47	5.0	F2	22 And	22.4	+52 46	5.7	B9	Cas	35.0	-54 40	6.4	G9	Phe	46.1	+ 7 19	4.4	K5	63δ Psc
7.8	- 5 32	5.8	G9	Psc	22.8	+ 1 40	6.0	G5	44 Psc	35.9	+29 2	4.4	G8	30 ε And	46.3	+16 40	5.1	F8	64 Psc
7.8	-82 30	5.3	G8	γ¹Oct	23.2	-77 32	2.8	G2	β Hyi	35.9	+82 13	6.3	F6	Cep	46.6	-46 58	6.3	K0	Phe
8.2	-12 51	5.9	K1	Cet	23.7	-43 57	3.9	A7	χ Phe	36.4	+49 5	5.6	K5	Cas d	46.8	-24 24	6.1	K2	Cet
8.7	-15 45	4.9	F6	Cet	23.8	-42 35	2.4	K0	α Phe	36.6	+30 35	3.2	K3	31 δ And	46.9	-75 12	5.1	M1	λ Hyi
9.0	-28 5	5.6	K5	χ²Scl	24.1	- 0 20	6.4	G4	10 Cet	36.8	+20 59	5.8	K0	54 Psc	46.9	-13 50	5.8	K5	Cet
9.2	-35 25	5.2	F4	Scl	24.7	-25 49	5.6	G5	Scl	37.3	+21 10	5.4	K0	55 Psc d	47.0	+40 48	4.5	B5	35 ν And
9.4	+47 52	6.2	K4	And	25.4	+17 37	var	M3	47 TV Psc	37.5	-45 4	6.0	K1	Phe	47.1	-23 38	6.3	A3	Cet
9.6	-18 13	5.3	K3	Cet	25.5	-33 17	5.0	M4	η Scl	37.5	-34 14	6.3	F8	Scl	47.2	+27 26	5.5	F0	65 i Psc d
10.7	+14 54	2.8	B2	88 γ Peg	25.5	+44 7	5.1	A2	And	37.7	+56 16	2.2	K0	18 αCas	47.5	+44 44	6.1	A	And
10.8	+26 43	6.2	F5	And d	25.6	+16 10	5.2	K5	48 Psc	38.0	-15 47	6.5	G5	Cet	47.6	-10 55	5.2	F8	19φ²Cet
10.9	+40 46	5.6	A7	23 And	25.7	+ 9 55	6.0	F2	Psc	38.0	-24 4	6.1	G3	Cet	47.7	+63 59	5.4	A	Cas
11.2	-26 18	5.9	K2	Scl	25.8	-20 37	6.4	G0	Cet	38.1	-59 44	5.9	G1	Tuc	47.7	-43 40	6.5	F	Phe
11.2	-26 34	6.4	K5	Scl	26.0	-40 11	5.4	K5	Phe	38.2	- 4 38	5.9	G7	Cet	48.1	+51 14	6.4	F6	Cas
11.5	+32 56	6.0	A1	And	26.5	+36 37	6.3	G5	And	38.4	+39 11	5.3	G8	32 And	48.3	+61 32	6.2	K5	Cas
11.5	-85 16	5.8	K6	Oct	26.3	-50 49	6.4	K0	Phe	38.9	+24 21	5.9	A	And	48.4	-51 16	5.2	F2	ρ Phe
11.9	- 8 4	5.1	M4	Cet	27.3	-15 8	6.1	F2	Cet	39.0	-46 22	4.6	G8	μPhe	48.7	+51 18	6.2	A0	Cas
12.0	+19 56	4.8	M2	89 χ Peg	27.5	+29 29	5.2	A	28 And	39.1	+65 52	5.8	G9	Cas	50.0	+83 26	5.5	A2	Cep
12.1	-19 13	4.4	M1	7 Cet	27.5	- 4 14	6.0	Mo	12 Cet	39.3	+50 14	4.8	B2	19 ξCas	50.1	+60 51	4.9	F8	Cas
12.3	+22 0	6.0	A0	Peg	27.5	+59 42	5.9	B9	Cas	39.5	-56 47	5.7	A8	ξPhe d	50.1	+38 17	6.5	A1	And
12.4	- 9 51	5.7	B9	Cet	27.7	+76 45	6.2	K0	Cas	39.6	+58 29	6.1	B9	Cas	50.2	-24 17	5.6	K2	Cet

0^h–1^h					1^h					1^h					1^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
50.5	−1°25′	4.8	M0	20 Cet	3.9	−46°59′	3.3	G8	β Phe d	15.9	+37° 7′	6.3	A	And d	30.2	+58° 4′	5.9	K1	Cas
50.5	−69 47	6.2	F8	λ¹ Tuc d	3.9	+12 41	6.1	G7	75 Psc	16.1	+77 18	6.3	G5	Cep	30.6	−49 59	6.3	F6	Phe
50.7	+37 9	6.0	K3	And	4.2	+53 14	6.4	K0	Cas d	16.7	+27 0	4.6	A2	90 υ Psc	30.6	+58 59	4.7	G8	39 χ Cas
50.8	−25 3	6.4	F6	Cet d	4.8	−24 16	6.3	G5	Cet	16.9	+57 58	5.0	F0	34 φ Cas	30.7	−37 7	5.5	K0	Scl
50.9	+52 25	6.2	A	Cas d	4.9	+79 45	6.4	G6	Cep	17.2	− 0 46	6.0	G8	42 Cet d	31.2	− 7 17	5.8	G2	Cet
51.6	−63 9	5.6	M5	Tuc	4.9	+54 41	5.1	G5	30 μ Cas	17.7	+64 24	6.3	A0	35 Cas	31.2	+36 59	5.7	B8	And
51.8	− 9 1	6.2	G3	21 Cet	5.1	+43 41	5.0	A2	41 And	17.9	+75 59	6.4	A3	Cas	32.1	+18 12	5.9	M2	Psc
51.9	+18 55	5.7	A1	66 Psc	5.2	+31 45	6.2	F5	78 Psc	18.0	−11 30	6.3	K0	Cet	32.2	−15 56	5.6	A2	49 Cet
52.0	+58 42	4.8	K2	26 υ¹ Cas	5.3	−10 3	5.9	F3	30 Cet	18.0	− 3 31	6.4	G5	Cet	32.6	−32 9	6.2	G5	Scl
52.3	+23 21	5.4	K1	36 And	5.3	+20 28	5.9	A3	79 ψ² Psc	18.4	+28 29	5.3	K5	91 Psc	32.9	+40 49	6.2	K1	And
52.6	+24 17	6.2	M7	Psc	5.3	−62 3	5.4	G5	ι Tuc	19.3	+78 28	6.1	A2	Cep	33.1	+14 24	6.1	B9	101 Psc
53.1	−69 48	5.4	G7	χ² Tuc	5.5	+58 0	5.7	B8	Cas	19.4	+45 16	4.9	K0	46 ξ And	33.2	+17 11	5.8	A5	Psc
53.2	− 7 37	5.6	K5	Cet	5.5	−41 45	5.2	A3	υ Phe	20.0	− 0 43	6.5	K0	43 Cet	33.2	+74 3	6.4	B8	Cas
53.2	+57 44	6.3	K3	Cas	5.8	+ 5 23	5.5	F2	80 e Psc	20.0	+ 1 28	6.2	M0	Cet	33.3	−78 46	6.1	G3	Hyi
53.3	+26 59	6.0	A3	67 k Psc	6.1	−10 27	3.4	K3	31 η Cet	20.1	−19 20	6.4	F5	Cet d	33.4	−58 24	6.0	F2	Hyi
53.5	−28 3	6.2	M1	Scl	6.3	−55 31	var	B6	ζ Phe d	20.2	+57 53	6.4	F4	Cas d	33.4	+48 28	6.0	K1	Per
53.5	−11 32	5.3	K4	22 φ³ Cet	6.6	+46 59	4.3	B7	42 φ And	20.7	+20 13	6.2	K5	Psc	33.5	−15 39	5.5	K2	50 Cet
53.5	+68 30	6.3	F0	Cas	6.9	+35 21	2.0	M0	43 β And	20.8	+33 59	6.2	G8	And	33.8	−30 10	5.7	F4	τ Scl d
53.7	+58 55	4.7	G8	28 υ² Cas	7.0	+86 53	6.2	K2	Cep	20.8	+37 27	5.5	A	47 And	33.9	+41 9	4.1	F8	50 υ And
53.7	+60 27	var	B0	27 γ Cas	7.1	+19 24	5.5	F5	81 ψ³ Psc	21.2	−31 12	5.8	K5	Scl	33.4	+11 53	5.6	A5	102 π Psc
53.8	+60 6	5.6	B9	Cas	7.2	+68 31	5.3	A0	31 Cas	21.5	− 8 26	3.6	K0	45 ϑ Cet	34.5	+72 47	5.4	G8	40 Cas
54.0	+38 14	3.9	A5	37 μ And	7.5	+41 49	5.7	F8	44 And	21.5	− 8 16	6.2	A5	44 Cet	34.8	+57 43	5.6	G5	Cas
54.5	+23 9	4.4	G8	38 η And	7.5	+15 25	6.2	K6	Psc	21.8	− 7 10	5.9	F2	Cet	34.9	+48 23	3.6	K3	51 And
54.8	+45 34	6.1	K2	And	7.6	+25 12	5.9	K5	Psc	22.2	−15 55	6.4	G5	Cet	34.9	−58 32	6.1	M1	Hyi
55.1	+28 43	5.5	G6	68h Psc	7.7	− 9 10	6.4	G6	32 Cet	22.3	− 3 6	6.4	G5	Cet	35.1	− 9 40	6.2	F5	Cet
55.3	+13 26	6.3	G5	Psc	7.9	+79 25	5.6	A0	Cep	22.4	+67 52	4.8	K0	36 ψ Cas d	35.5	+45 9	6.3	A	And
55.3	+66 5	5.9	B9	Cas	8.0	+ 2 11	6.0	K4	33 Cet	22.5	−41 45	5.4	K0	Phe	35.9	−57 29	0.5	B5	α Eri
55.5	+33 41	5.9	K0	And	8.0	+54 53	4.3	A7	33 ϑ Cas	22.5	+59 59	2.7	A5	37 δ Cas	36.2	−36 47	5.9	G5	Scl
55.6	+21 8	6.3	A2	Psc	8.1	−57 58	6.5	G5	Phe	22.5	−44 47	6.2	K0	Phe	36.3	+44 8	5.0	G8	52 χ And
56.2	−29 38	4.3	B8	α Scl	8.2	+63 56	5.5	B9	Cas	22.9	+23 15	6.0	F5	Psc	36.5	−21 32	5.7	A4	Cet
56.2	−11 39	5.8	G7	φ⁴ Cet	8.3	+31 10	5.0	A7	82 g Psc	23.2	−14 52	4.9	K3	46 Cet	36.5	−25 17	6.6	B9	Scl
56.3	−60 58	6.2	A3	Tuc	8.4	+37 28	5.8	B7	45 And	23.3	+34 19	6.2	F5	And	37.0	+16 9	5.9	K2	105 Psc
57.1	+70 43	6.4	A4	Cas	8.4	+64 45	5.5	B8	32 Cas	23.4	+43 12	6.0	F6	And	37.6	+40 19	4.9	B8	53 τ And
57.2	+44 27	5.6	A1	And d	8.8	+20 46	4.7	G8	84 χ Psc	23.4	−64 38	5.9	M0	Hyi	37.7	+43 3	5.4	A9	And
57.2	+ 6 13	6.1	M2	Psc	8.9	+29 49	4.5	K0	83 τ Psc	23.6	+18 55	5.3	F1	93 ρ Psc	37.9	−56 27	5.3	K0	6 p Eri d
59.0	−39 11	5.6	K0	ξ Scl	9.2	− 2 31	6.0	K4	34 Cet	23.9	− 0 39	6.5	K0	Cet	38.5	+25 30	6.2	F3	Psc d
59.9	−57 16	6.1	G8	Phe	10.0	+61 26	6.2	B9	Cas	24.0	+18 59	5.5	K1	94 Psc	38.6	+67 47	5.6	A	43 Cas
0.0	−31 49	5.5	A2	σ Scl	10.0	−31 4	6.5	F3	Scl	24.3	+34 7	6.2	F5	And	38.7	+42 22	4.9	G2	And
0.1	+31 32	5.4	B9	69 σ Psc	10.1	+31 49	6.2	A0	Psc d	24.3	+ 3 17	6.5	B8	Psc d	38.8	+29 48	6.0	K0	Tri
0.1	+41 5	6.0	A7	39 And	10.2	+29 48	6.2	G8	Psc d	24.4	−13 19	5.7	F1	47 Cet	38.8	+ 5 14	4.4	K3	106 ν Psc
0.1	+47 6	6.3	A3	And	10.5	−38 7	5.9	A7	Scl	24.5	+40 50	6.4	A3	And	39.0	+58 23	6.2	B9	Cas d
0.3	+ 7 37	4.3	K0	71 ε Psc	11.0	+88 45	6.5	A2	UMi	24.7	+45 9	4.9	F4	48 ω And	39.0	+70 22	5.2	A0	Cas
0.5	− 5 6	5.4	K0	25 Cet	11.0	+24 19	4.5	K0	85 φ Psc d	24.7	−32 48	var	N3	R Scl	39.2	−83 14	5.9	G2	Oct
0.5	+60 48	5.9	A9	Cas	11.1	+ 7 19	5.2	A5	86 ζ Psc d	24.9	+40 5	6.3	B9	And	39.2	+35 0	5.5	B9	Tri
0.6	−46 40	5.4	G6	Phe	11.5	+15 52	5.8	B8	87 Psc	25.3	−11 10	6.2	K0	Cet	39.3	−38 23	6.2	F5	Scl
0.8	−65 43	6.2	M4	Tuc	11.9	− 8 11	4.7	K0	37 Cet d	25.8	+ 7 42	6.2	K1	Psc	39.3	−11 34	5.8	F2	Cet d
0.9	−29 48	6.3	G5	Scl	12.0	+79 39	6.3	F5	Cep	26.2	−43 34	3.4	K5	γ Phe	39.5	+61 10	6.4	B5	Cas
1.1	+52 14	6.1	K2	Cas	12.1	+ 6 44	6.0	G6	88 Psc	27.1	+46 45	5.2	G9	49 A And	39.8	+20 2	5.2	K1	107 Psc
1.2	+61 19	5.8	F5	Cas	12.3	− 1 14	5.7	F5	38 Cet	27.2	+18 6	5.9	A4	97 Psc	39.8	−3 5	5.7	A2	Scl
1.2	+ 1 6	6.0	F0	26 Cet d	12.6	+71 29	6.4	K0	Cas	27.2	−21 53	5.1	A1	48 Cet	39.9	−32 35	5.3	K0	π Scl
1.5	+85 59	4.2	K2	2 Cep	12.9	−45 48	5.0	M8	ν Phe	27.4	+65 50	6.2	A	Cas	39.9	+60 18	5.8	B9	Cas
1.7	+29 24	6.0	F5	Psc	13.4	+47 49	6.5	B8	And	27.4	−47 1	6.3	M4	Phe	40.1	−61 2	5.7	K0	Hyi
1.8	+50 45	6.5	B3	Cas	13.5	+32 51	6.2	K1	Psc	27.5	+70 0	5.9	G6	38 Cas	40.1	−85 1	5.7	K0	Oct
2.3	+ 5 23	6.0	K5	73 Psc	13.7	+23 20	6.5	A0	Psc	27.6	+ 5 53	4.9	K4	98 μ Psc	40.2	− 3 56	5.3	K3	Cet
2.4	+14 41	5.6	F2	72 Psc	14.1	− 2 46	5.5	G5	39 Cet	28.0	−26 28	5.9	K4	Scl	40.2	+45 4	6.3	K2	And
3.0	+21 12	4.9	B9	74 ψ Psc d	14.1	−69 8	4.8	F6	χ Tuc d	28.8	+15 5	3.6	G8	99 η Psc	40.5	+50 26	4.0	B1	54 φ Per
3.1	−10 15	6.1	K0	27 Cet	14.2	+44 38	6.3	K5	And	29.2	−49 20	3.9	K0	δ Phe	40.6	−53 59	5.6	G6	Eri
3.2	+62 30	6.4	A3	Cas	15.2	+47 9	6.3	K0	And	29.3	+34 33	6.2	B6	Tri	41.0	+31 56	6.3	G8	Tri
3.3	+ 4 39	6.4	F5	77 Psc d	15.2	+ 3.21	5.2	A3	89 Psc	29.4	−30 32	5.8	K0	Scl	41.0	+57 17	6.1	A2	Cas
3.6	−10 6	5.6	A0	28 Cet	15.3	−66 40	6.2	A0	Tuc d	29.5	−45 50	6.2	A0	Phe	41.3	−79 24	6.3	K0	τ¹ Hyi

1^h					1^h–2^h					2^h					2^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$41^m.4$	$+45^\circ 33'$	6.5	K5	And	$55^m.1$	$-52^\circ 1'$	6.1	F7	χ Eri	$8^m.4$	$-51^\circ 4'$	6.1	K0	Eri	$21^m.1$	$+49^\circ 47'$	5.3	G8	64 And
41.4	− 5 1	6.4	K0	Cet	55.1	+23 21	4.8	F0	9 λ Ari d	8.5	+31 18	6.2	A	5 Tri	21.2	−51 19	5.9	A4	Eri
41.5	+56 50	6.1	A1	Cas	55.2	−47 38	4.8	G5	Phe	8.7	+73 48	6.1	G6	Cas	21.7	+56 23	6.2	B2	10 Per
41.8	−16 12	3.5	G8	52 τ Cet	55.4	+48 58	5.7	G7	3 Per	8.7	+ 8 20	5.6	F8	64 Cet	22.1	+10 23	5.5	B6	24 ξ Ari
42.2	+19 50	6.2	G4	109 Psc	55.9	−78 36	6.2	F2	σ Hyi	8.9	−10 17	6.1	F2	Cet	22.3	+50 3	4.7	K4	65 And
42.7	+ 8 54	4.4	G8	110 ο Psc	55.9	+64 23	5.1	A0	Cas d	9.1	− 2 4	6.0	G9	63 Cet	22.4	− 3 0	6.3	A0	71 Cet
43.3	−25 18	5.3	F1	ε Scl d	56.2	−33 19	6.3	G5	For	9.5	+30 4	5.1	G5	6 Tri d	22.6	−41 4	6.2	G0	Phe
43.5	− 5 59	5.3	K4	Cet	56.5	−65 40	6.4	G5	Hyi	9.8	+23 56	6.1	K0	Ari	22.6	−73 52	5.0	K0	κ Hyi
43.7	−27 36	6.4	F2	For	56.7	+12 3	6.0	A6	Ari	10.0	+20 59	5.2	F5	17 η Ari	23.5	−60 32	5.3	F2	λ Hor
43.9	+17 10	6.4	A7	Psc	56.8	+20 49	5.9	K0	Ari	10.1	+44 0	4.9	K4	60 b And	23.5	−12 31	4.9	B9	72 ρ Cet
44.1	+63 36	5.6	K0	Cas	57.2	−61 49	2.9	F0	α Hyi	10.1	+58 20	6.5	A3	Cas	23.6	−15 34	5.8	A	Cet d
44.1	−51 4	5.5	M4	Phe	57.4	−21 4	4.0	M1	59 υ Cet	10.2	− 2 38	5.5	F9	66 Cet d	24.2	+26 47	6.0	K5	Ari
44.2	−53 46	5.0	A0	q^1 Eri	57.5	+ 2 52	5.9	G1	112 Psc	10.3	+50 50	5.3	K0	And	24.3	−20 16	5.9	K2	Cet
44.7	+45 59	6.2	F5	And	57.6	−42 16	5.4	K1	Phe	10.3	+15 3	5.7	M0	19 Ari	24.4	−66 43	6.4	M4	Hor
45.2	−42 1	6.1	K2	Phe	57.6	−21 19	5.4	M1	57 Cet	10.3	+ 8 37	4.4	G8	65 ξ Cet	24.5	+31 35	5.7	K1	11 Tri
45.5	+16 42	5.8	B9	4 Ari	57.8	+70 40	4.5	A4	48 Cas	10.5	+66 17	6.1	F2	55 Cas	24.5	+50 21	6.1	F1	66 And
45.6	−37 25	6.3	K0	For	57.8	+77 41	6.2	K0	Cep	10.7	−21 14	6.0	G6	Cet	24.9	+67 11	4.5	A	ι Cas d
45.7	+37 42	5.9	K0	And	58.0	− 8 46	5.7	M5	Cet	10.7	−30 57	5.3	A	μ For	25.2	−47 56	4.2	B5	κ Eri
45.8	+32 36	5.7	F6	Tri	58.4	−66 18	6.1	K2	Hyi	10.8	+47 15	6.1	F5	And	25.2	+29 27	5.3	A7	12 Tri
45.8	+ 3 26	5.9	G6	Psc	58.7	+73 37	6.2	A3	Cas d	12.5	−41 24	5.9	G9	Phe	25.4	+ 1 44	6.4	K0	Cet
46.1	+47 39	5.9	A2	Per d	59.0	+54 15	5.0	B8	4 g Per	12.7	+47 35	6.3	G9	And	25.5	+ 8 14	4.3	B9	73 ξ^2 Cet
47.1	−31 19	6.4	K0	For	59.0	−30 14	5.3	G5	π For	12.9	+24 49	5.6	F4	21 Ari	25.9	+29 42	5.8	G0	13 Tri
47.1	−10 56	4.7	F2	53 χ Cet	59.1	+72 11	4.1	A1	50 Cas	12.9	+25 33	5.8	F3	20 Ari	25.9	−34 2	5.1	A2	φ For
47.4	+22 2	5.9	K0	1 Ari d	59.1	+64 40	5.9	A2	Cas	13.0	+33 8	5.2	B9	7 Tri	26.4	+23 15	6.0	A5	Ari
47.7	−38 39	6.4	F7	For	59.3	+64 9	5.6	B8	53 Cas	13.2	−68 4	5.5	M0	π^1 Hyi	26.4	−31 19	6.1	G5	For
47.7	+51 41	5.8	F3	Per	59.5	+ 2 31	3.9	A	113 α Psc d	13.3	+56 49	6.5	B1	Per	26.9	−64 31	6.4	B9	Hor
48.2	−80 25	6.1	F0	τ^2 Hyi	59.7	−44 57	5.1	K5	χ Phe	14.0	+34 0	4.9	G0	8 δ Tri	26.9	+ 9 21	6.1	K2	Cet
48.2	+10 48	5.9	F0	Ari	59.9	+13 14	6.1	M2	Ari	14.3	+33 37	4.1	A0	9 γ Tri	27.3	+33 37	6.1	K1	Tri
48.3	−48 4	6.1	K0	Phe	0.0	+33 3	5.5	A2	3 ε Tri	14.3	+23 32	6.4	G4	Ari	27.7	+25 1	5.8	F4	Ari
48.7	+54 54	5.5	B2	1 Per	0.0	+77 3	5.3	A2	47 Cas	14.4	−67 59	5.7	K3	π^2 Hyi	27.8	+19 38	6.1	A4	26 Ari
48.8	+89 1	2.0	F8	1 α UMi d	0.2	−29 54	6.4	A3	For	14.4	+57 40	5.8	K3	8 Per	28.0	−25 25	6.5	A9	For
49.0	+50 33	5.6	B9	2 Per	0.6	−15 33	5.9	G5	Cet	14.5	− 6 39	5.5	G8	67 Cet	28.1	+17 29	6.2	K0	27 Ari
49.0	−50 27	5.9	A0	Phe	0.6	− 0 7	5.6	A3	60 Cet	14.5	+28 31	6.3	F5	Tri d	28.2	+ 0 2	6.0	A3	Cet
49.0	−10 35	3.7	K2	55 ζ Cet	0.7	+75 53	5.2	G8	49 Cas	14.5	−57 17	6.0	G6	7 Per	28.3	−22 46	6.1	M1	Cet
49.6	+51 14	6.1	A0	Per	0.8	+25 42	5.5	F4	10 Ari	14.7	−51 45	3.4	B8	φ Eri	28.9	+ 2 3	5.3	K3	Cet
50.2	+29 20	3.5	F6	2 α Tri	0.8	+42 5	2.2	K3	57 γ And d	15.3	+19 40	5.6	A1	22 ϑ Ari	29.0	+35 56	5.2	K5	14 Tri
50.3	+40 29	5.5	K1	55 And	0.9	+64 52	6.4	A0	Cas	15.4	+ 1 31	5.6	F9	Cet	29.6	− 1 15	5.5	G3	75 Cet
50.5	−17 10	5.8	A6	Cet	1.0	+18 1	6.3	K4	Ari	16.0	+46 15	6.0	A3	And	29.7	−15 28	4.8	F5	76 σ Cet
50.5	+55 21	6.5	A2	Per	1.2	− 4 21	5.6	K5	Cet	16.0	+47 9	5.0	A1	62 c And	29.8	+34 19	5.8	K1	Tri
50.8	+63 25	3.4	B3	45 ε Cas	1.2	− 0 35	6.0	G5	61 Cet	16.0	+28 25	5.2	A2	10 Tri	30.2	+14 49	6.0	F7	29 Ari
50.8	+19 3	4.0	A	5 γ Ari d	2.2	−29 32	4.7	A0	ν For	16.1	+48 43	6.4	F0	Per	30.2	−36 39	6.3	G5	For
51.0	+ 2 56	4.6	K0	111 ξ Psc	3.1	+81 4	6.0	A0	Cep	16.1	+22 56	6.3	A7	Ari	31.0	−34 52	5.9	K0	For
51.2	−38 50	6.1	K0	For	3.8	+22 25	5.0	A	12 κ Ari	16.3	+64 6	6.5	A0	Cas	31.4	−20 13	6.4	K0	Cet
51.6	−46 33	4.4	M4	ψ Phe	3.9	− 0 12	6.3	K0	Cet	16.7	−26 11	6.3	G5	For	31.7	−28 27	4.9	B9	ω For d
51.9	+20 34	2.6	A5	6 β Ari	4.0	+25 28	6.0	B8	11 Ari	16.8	− 3 12	var	M6	ο Cet	32.2	−51 19	6.3	F8	Hor
51.9	+40 27	6.5	K2	And	4.3	+23 14	2.0	K2	13 α Ari	17.4	−42 5	6.3	K1	Phe	32.2	− 8 5	5.8	K4	77 Cet
52.0	+36 53	6.3	K0	And	5.2	+58 11	5.7	A1	Cas	17.4	+47 5	6.1	B5	And	32.3	+39 27	6.3	B8	And
52.1	+68 26	5.0	B8	46 ω Cas	5.4	+44 13	6.4	G8	And	17.6	+49 55	5.6	A	63 And	32.4	+ 7 15	6.2	G6	Cet
52.3	−42 45	5.1	A0	φ Phe	5.5	+37 37	4.8	A5	58 And	18.3	−56 10	5.6	K5	Hor d	32.6	+37 6	5.8	K4	And
52.9	+37 2	6.0	M0	And	6.4	−18 1	6.3	M1	Cet	18.9	+55 37	5.2	A2	9 i Per	32.7	−79 20	5.3	G4	μ Hyi
53.1	+23 20	var	G8	Ari	6.6	+34 45	3.0	A5	4 β Tri	19.4	+ 0 10	5.3	M2	69 Cet	32.7	+34 28	5.4	M3	15 Tri
53.2	+37 0	5.7	K0	56 And	6.6	+25 42	5.0	F2	14 Ari	19.6	−11 0	5.6	A8	Cet	33.2	+72 36	5.2	G8	Cas
53.3	+ 1 36	6.0	G0	Cet d	6.6	+16 59	6.4	F3	Ari	19.7	− 1 7	5.6	A5	70 Cet	33.2	+ 5 23	4.9	G8	78 γ Cet d
53.7	−67 54	4.7	G8	η^2 Hyi	6.8	+53 36	6.3	G8	Per	19.7	+41 10	5.8	F2	And	33.3	+ 6 39	5.8	K3	Cet
54.0	−51 51	3.7	G5	Eri	7.2	−43 45	5.8	K2	Phe	19.7	−17 53	6.0	K0	Cet	33.5	+65 32	5.9	K5	Cas
54.2	−61 6	6.0	F0	Hyi	7.8	+38 48	5.6	A	59 And d	20.2	−43 26	6.3	G5	Phe	33.5	− 8 3	5.5	M0	80 Cet
54.3	−22 46	5.2	K4	56 Cet	7.8	+19 16	5.8	M3	15 Ari	20.3	−24 3	5.2	G1	κ For	33.7	+31 23	6.0	K0	Tri
54.6	+17 34	5.0	K1	8 ι Ari	8.0	+57 25	6.4	B5	5 Per	20.4	+55 8	5.4	F7	Per	33.8	+38 31	5.9	F5	And
54.9	+27 34	5.8	M2	Tri	8.1	−44 3	6.3	G8	Phe	20.6	−18 35	6.4	G5	Cet	33.9	+12 14	5.6	F5	31 Ari
55.0	+61 27	6.0	B8	Cas	8.3	+25 42	6.0	K4	16 Ari	20.9	−68 53	4.1	A2	δ Hyi	33.9	+ 7 31	5.9	K0	Cet

2^h					2^h					$2^h - 3^h$					3^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$34^m.0$	$-30°16'$	5.7	G5	ι^1 For	$45^m.5$	$-35°46'$	6.5	K0	η^1 For	$57^m.0$	$-29°\ 6'$	6.1	G5	For	$9^m.0$	$+47°32'$	6.3	K5	Per
34.0	+34 2	var	M4	R Tri	45.5	−12 40	var	M4	Z Eri	57.0	+37 56	6.1	B8	Per	9.2	−79 11	5.6	F0	Hyi d
34.1	+32 40	6.2	F6	Tri	45.7	+18 5	5.9	K1	40 Ari	57.0	+ 8 43	4.7	B5	91 λ Cet	9.3	+27 4	5.7	A	56 Ari
34.1	+24 26	6.2	F5	30 Ari d	45.9	+24 59	5.8	B9	Ari	57.2	− 2 40	5.5	B9	5 Eri	9.8	+ 6 28	5.6	G2	g Tau
34.2	+39 41	6.4	B5	And	46.3	+37 7	6.4	F3	Per	57.3	+52 9	5.1	B7	Per d	9.9	+47 59	5.9	K1	Per
34.9	−34 47	5.8	G1	λ^2 For	46.5	+17 15	5.2	B6	42 π Ari d	57.4	−25 28	5.7	A9	ζ For	9.9	−29 11	3.9	F8	α For
35.2	− 3 37	5.8	G5	81 Cet	47.0	−32 37	4.4	G6	β For	57.6	−32 42	6.3	A0	For	10.2	− 1 23	5.1	F8	94 Cet
35.2	+37 31	6.2	F6	And	47.0	+55 41	3.8	K3	15 η Per d	57.8	−64 16	5.0	A5	β Hor	10.7	−44 36	5.9	F6	Eri d
35.4	+37 52	6.2	A0	And	47.0	+27 3	3.6	B8	41 Ari	58.0	+10 40	6.0	K6	Ari	11.1	−36 8	6.3	B9	For
35.4	+ 7 29	6.4	F5	Cet	47.4	+38 7	4.2	F2	16 Per	58.3	− 3 5	6.3	M1	7 Eri	11.3	−57 30	5.7	N	Hor
35.8	−52 46	5.3	A5	η Hor	47.5	+68 41	var	F5	SU Cas	58.7	− 7 52	5.8	G6	8 ρ Eri	11.5	−29 59	6.2	G5	For
36.0	+21 45	5.3	A7	32 γ Ari	47.6	−24 46	6.1	G5	γ^1 For	59.0	+26 16	5.9	A	49 Ari	11.6	+42 19	6.0	G5	Per
36.0	+ 3 14	6.2	G9	Cet	47.7	−28 9	5.4	A1	γ^2 For	59.2	+ 4 8	6.3	K0	Cet	12.0	+56 57	5.9	A0	Per
36.2	−30 25	5.8	F5	ι^2 For	47.9	−63 1	5.2	A0	γ Hor	59.4	+79 13	5.5	M1	Cep d	12.0	+20 52	4.9	A0	58 ζ Ari
36.4	−38 12	6.5	F8	For	48.0	+58 7	6.4	A	Per	59.5	−28 18	5.9	G5	ε For	12.3	+30 22	5.5	A1	Per
36.9	+ 0 7	4.1	B2	82 δ Cet	48.2	−36 3	5.8	K0	η^2 For	59.5	−10 9	5.8	G6	Eri	12.6	+50 45	5.0	G5	Per
37.1	−12 5	4.8	F5	83 ε Cet	48.3	+46 38	5.9	G5	Per	59.7	+ 3 54	2.5	M2	92 α Cet	12.7	+45 10	6.2	M2	Per
37.6	+ 5 54	6.2	F5	Cet	48.4	+34 51	4.5	K5	17 Per	59.7	− 6 41	6.2	F8	Eri	12.7	+32 40	6.3	F0	Per
37.8	+26 51	5.3	A3	33 Ari d	48.7	−35 53	5.5	K5	η^3 For	59.8	+ 4 9	5.6	B7	93 Cet	12.9	−26 17	6.2	F0	For
37.8	− 9 40	5.9	F8	Cet	48.7	+14 53	5.4	B7	43 σ Ari	0.2	−23 49	4.1	A5	11 τ^3 Eri	12.9	+34 30	6.2	A	Per
37.9	−43 6	4.7	A2	s Eri	48.8	−21 13	4.8	K0	2 τ^2 Eri	0.2	− 7 53	5.3	G5	9 ρ^2 Eri	13.1	+65 29	6.3	A2	Cam
38.7	− 0 54	5.7	F8	84 Cet d	48.9	−40 8	6.2	B9	Eri	0.5	+28 4	6.3	A5	Ari	13.4	− 9 0	4.8	A	13 ζ Eri
38.7	−40 4	4.1	K0	ι Eri	49.3	+52 48	6.4	B9	Per d	1.2	+53 19	2.9	G8	23 γ Per	13.5	+32 0	5.9	G8	Per
38.8	−68 29	4.1	B9	ε Hyi	49.8	−31 1	6.4	F8	For	1.2	−47 10	5.7	K2	Eri	13.5	− 6 6	6.2	B9	Eri
39.1	+39 59	4.9	F9	12 Per	50.0	+48 21	6.4	K0	Per d	1.8	+56 31	4.9	K0	k Per	13.9	+77 33	5.4	A4	Cep
39.1	−54 46	5.3	F3	ζ Hor	50.1	−12 58	6.0	K0	Eri	1.8	− 7 46	5.3	A4	10 ρ^3 Eri	13.9	+40 18	6.4	A0	Per d
39.2	−14 46	6.0	F7	Cet	50.4	− 9 39	6.3	A2	Eri	1.9	+55 53	6.4	K0	Per	14.2	− 9 20	6.?	F4	14 Eri
39.3	− 3 26	6.1	G9	Cet	50.4	+16 17	6.3	F2	Ari	2.0	+38 39	var	M4	25 ρ Per	14.4	+43 51	5.4	B8	30 Per
39.5	+54 54	5.6	B8	11 Per	50.5	+38 8	5.2	F4	20 Per d	2.0	+ 1 40	5.9	K0	Cet	14.5	+39 6	6.0	A3	Per
39.5	+53 19	6.0	K0	Per	50.7	+52 34	3.1	G5	18 τ Per	2.1	+40 23	6.0	K0	Per	15.1	+50 2	5.2	B3	29 Per
39.5	+19 48	5.7	A0	34 μ Ari	50.8	−75 16	4.7	K4	ν Hyi	2.1	−72 6	5.5	B8	ϑ Hyi	15.6	+49 55	5.0	B5	31 Per
39.8	+10 32	6.3	A2	Cet	51.2	−63 7	6.0	K0	Hor	2.4	−59 56	5.1	F2	μ Hor	15.6	+65 28	4.8	B2	Cam
40.1	−38 36	6.0	G5	For	51.3	−22 35	5.9	G5	Eri	2.5	+25 4	5.4	B7	52 Ari	15.6	+34 2	4.8	K2	Per
40.3	−46 44	6.1	G8	Eri	51.6	−38 38	5.9	F7	φ For	3.1	+63 52	5.8	B9	Cas	15.8	−47 56	5.8	K0	Hor
40.4	+81 14	5.8	K0	Cep	52.0	+61 19	5.6	F4	Cas	3.6	+13 0	5.7	K0	Ari	15.8	− 1 7	5.4	K1	95 Cet
40.5	+67 37	5.8	A2	Cas	52.3	−50 6	var	M7	R Hor	3.8	+81 17	6.0	A	Cep	15.9	−28 59	5.9	F0	For
40.5	+27 30	4.6	B3	35 Ari	52.5	−51 4	6.1	K0	Hor	4.1	− 6 17	5.3	M3	Eri	16.2	−22 42	4.9	G6	15 Eri
40.7	+ 3 2	3.5	A2	86 γ Cet d	53.0	+18 8	5.9	M6	45 Ari	4.4	+47 7	6.3	A0	Per	16.4	−18 44	5.7	F2	Eri d
40.8	+49 1	4.1	F7	13 ϑ Per d	53.2	+46 58	6.0	K3	Per	4.5	+52 1	6.2	B5	Per	16.7	−62 46	5.5	G2	ζ^1 Ret
40.8	+44 5	5.5	G0	14 Per	53.4	−64 38	6.5	K0	Hor	4.6	+17 41	6.1	B2	53 Ari	16.7	+ 3 11	4.8	G5	96 χ Cet
40.9	−51 1	5.4	G3	ι Hor	53.6	+ 8 11	6.0	F7	Cet	4.9	+40 46	var	B8	26 β Per	16.9	+26 54	5.9	G5	59 Ari
40.9	+25 26	6.3	A3	Ari	53.6	+17 49	5.5	F5	46 ρ Ari	5.4	+49 25	4.0	G0	ι Per	17.1	−62 42	5.2	G1	ζ^2 Ret
41.4	−40 44	6.4	A0	Eri d	54.0	− 9 6	3.9	K1	3 η Eri	5.5	+18 36	6.3	M0	54 Ari	17.2	−77 34	5.5	F2	ι Hyi
41.5	+17 33	6.3	K2	36 Ari	54.1	− 3 55	5.2	A1	Eri	5.7	−28 1	6.2	A2	For	17.3	−21 56	3.7	M3	16 τ^4 Eri
41.7	−14 4	4.2	B7	89 π Cet	54.3	+31 44	5.1	A	21 Per	6.0	+ 8 17	6.3	G9	Cet	17.3	+28 52	4.6	K4	Ari
41.8	+15 6	5.7	B9	37 ο Ari	54.5	+ 4 18	6.1	M2	Cet	6.1	+44 40	3.9	K0	27 χ Per	17.4	−24 18	5.6	M2	For
42.2	+12 14	5.1	A7	38 Ari	54.9	+38 25	5.9	K3	Per	6.5	+74 12	4.8	A0	Cas	17.4	−67 6	6.0	A2	Ret
42.2	+ 9 54	4.2	F0	87 μ Cet	55.1	−30 3	6.3	A	For	6.6	+28 53	5.6	B7	55 Ari	17.6	+25 29	6.3	K3	60 Ari
42.2	−32 44	6.2	A1	For	55.2	−24 4	5.4	A4	4 Eri	7.2	+27 38	6.4	A0	Ari	17.9	−43 16	4.3	G5	e Eri
42.6	−66 55	6.2	F7	Hor	55.2	+20 28	5.8	F5	47 Ari	7.4	−69 27	6.1	G5	Hyi	18.1	+43 9	5.0	A3	32 l Per
42.6	−52 47	6.1	A2	Hor	55.6	+39 28	4.6	A2	22 π Per	7.5	+26 42	6.0	K3	Ari	18.3	+20 58	5.2	B5	61 τ Ari
42.7	+ 4 30	6.0	F0	Cet	55.6	−38 23	6.4	A0	For	7.9	+11 41	5.9	B8	Ari	18.3	+48 54	6.1	F5	Per
42.8	−18 47	4.5	F6	1 τ^1 Eri	55.9	−23 48	6.0	K2	6 Eri	8.1	+39 25	4.7	K0	28 ω Per	18.5	+ 3 30	5.7	G8	97 Cet
43.9	+35 46	6.2	G8	Per	56.0	+34 59	4.8	K2	24 Per	8.4	−23 56	6.4	G5	Eri	18.6	−26 47	6.4	F6	For
44.0	+35 21	6.3	F2	Per	56.2	− 2 59	5.2	A2	Eri	8.6	+12 52	6.3	G6	Ari	19.2	+27 26	5.5	G5	62 Ari
44.4	+69 26	var	A2	RZ Cas	56.3	+21 8	4.6	A2	48 ε Ari d	8.8	+19 32	4.1	K2	57 δ Ari	19.2	−23 49	5.5	G5	Eri
44.4	−63 55	5.7	K0	Hor	56.4	− 9 59	6.1	A2	Eri	8.8	− 4 0	6.3	M1	Eri	19.7	+49 2	5.3	B5	Per
44.5	−21 51	6.5	F5	Eri	56.4	−40 30	3.1	A3	ϑ Eri d	8.8	−48 55	6.1	K0	Hor	19.9	+20 34	5.1	K3	63 Ari
44.8	−67 50	4.8	A3	ζ Hyi	56.4	+40 50	5.9	K2	Per	8.8	+42 11	6.0	B8	Per	19.9	−47 57	6.4	K0	Hor
44.9	+29 2	4.5	K1	39 Ari	56.4	+47 1	5.5	G	Per	9.0	−16 3	6.2	K0	Eri	20.1	+84 44	5.6	G8	Cep

3^h					3^h					3^h					3^h–4^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
20.1	−25°46′	6.3	A0	For	30.3	+39°44′	5.8	A	Per	42.0	− 1°19′	5.1	B7	24 Eri	51.6	−24°46′	4.6	B5	33 τ⁸ Eri
20.3	+64 25	5.4	M0	Cam	30.3	−66 40	5.8	B7	Ret	42.2	+24 41	5.6	B8	18 Tau	51.7	−34 53	5.1	B6	i Eri
20.7	+49 41	1.8	F5	33 α Per	30.5	− 9 38	3.7	K2	18 ε Eri	42.2	+24 19	4.3	B6	19 q Tau	51.8	− 3 6	4.7	G8	32 w Eri d
20.9	− 7 58	6.2	G0	Eri	30.9	+59 52	6.4	F4	Cam	42.3	−40 49	6.4	K0	Eri d	52.0	−47 2	5.9	K3	Hor
21.0	+ 4 42	6.4	G0	Tau	31.1	−50 33	5.6	K3	Hor	42.4	− 0 27	5.8	K4	25 Eri	52.3	+30 54	var	0	X Per
21.3	+24 33	5.6	K4	64 Ari	31.3	+17 40	6.3	G7	Tau	42.5	+45 32	5.6	B9	Per	52.4	+47 44	5.4	B6	Per
21.4	+33 22	5.6	B9	Per d	31.5	+24 18	5.9	A3	7 Tau d	42.8	+24 13	3.9	B7	20 Tau	52.6	−40 30	5.7	F5	Eri
21.4	+12 27	6.1	K0	Tau	31.6	−21 48	4.3	B8	19 τ⁵ Eri	42.9	+24 24	6.4	B9	22 Tau	52.9	+60 58	5.1	K4	Cam
21.5	+20 38	6.0	A0	65 Ari	31.8	−78 31	5.7	K0	Men	43.0	+ 5 54	5.4	B3	29 u Tau	52.9	+50 33	5.3	F5	43 A Per
21.8	+41 5	6.3	A0	Per	31.9	−61 11	6.3	G5	Ret	43.1	+24 22	5.8	B8	21 Tau	52.9	−12 15	6.0	A	Eri
22.1	+53 45	6.3	F0	Per	31.9	−31 15	6.2	F5	For	43.3	−54 26	6.3	K0	Ret d	53.0	+62 56	4.9	B9	Cam
22.1	+ 8 51	3.6	G8	1 o Tau	32.2	−10 2	6.2	A1	Eri	43.3	−48 13	6.5	K0	Hor	53.2	+34 56	5.5	B2	Per
22.4	+48 57	6.1	B6	Per	32.6	−32 2	6.4	K0	For	43.4	+23 48	4.2	B6	23 Tau	53.3	−52 50	6.4	A2	Dor
23.8	−69 48	6.1	A3	Hyi	32.9	+48 1	4.2	B5	37 ψ Per	43.5	+ 6 39	6.0	G9	Tau	53.9	+22 20	5.7	F3	32 Tau
24.0	−36 6	6.4	A2	χ¹ For	33.3	+75 35	6.2	G5	Cas	43.6	−64 58	3.8	K0	β Ret	54.1	+23 2	6.0	B9	33 Tau
24.2	+18 35	6.4	A3	Ari	33.6	−11 2	5.7	G7	Eri	43.6	+55 46	6.0	B9	Cam	54.2	− 9 54	6.2	F0	Eri
24.3	−27 30	5.9	G5	For	34.0	−17 38	5.2	A0	20 Eri	43.7	−47 31	5.7	G8	Hor	54.4	+ 5 54	6.0	A0	Tau
24.3	+60 5	6.4	B8	Cam	34.2	+ 0 26	6.0	G9	Tau d	43.8	−12 15	4.4	M2	26 π Eri	54.4	+24 19	6.2	K0	Tau
24.4	−41 49	6.3	A1	Eri	34.3	+ 0 15	4.3	F8	10 Tau	44.0	+70 43	5.4	A	Cam	54.5	+39 52	2.9	B0	45 ε Per d
24.5	+ 9 34	3.7	B8	2 ξ Tau	34.4	+56 46	6.4	K0	Cam	44.4	−29 30	5.9	A2	σ For	54.8	+34 40	6.4	A5	Per
24.5	+48 53	5.0	B3	Per	34.6	+42 25	6.3	B8	Per	44.5	+23 57	2.9	B7	25 η Tau	55.2	+38 42	6.3	K1	Per
24.6	+12 34	6.2	B9	Tau	35.0	+15 16	6.5	A3	Tau	44.6	+50 35	6.1	B8	Per	55.4	−63 36	6.0	K0	Ret
25.0	+59 46	4.2	B9	Cam	35.3	−40 26	4.6	K0	γ Eri	44.7	+32 3	6.2	G0	Per	55.7	−13 39	3.0	M0	34 γ Eri
25.2	+33 38	5.6	A2	Per	36.0	− 7 33	5.9	G5	Eri	44.7	−23 24	4.2	F3	27 τ⁶ Eri	55.7	+35 39	4.0	07	46 ξ Per
25.3	+49 41	5.6	B6	Per	36.1	+20 45	6.5	A4	Tau	44.7	+33 27	6.5	B2	Per d	56.3	+38 41	6.2	A1	Per
25.4	−69 31	6.0	F5	Hyi	36.5	− 5 47	6.0	K1	21 Eri	44.9	+65 22	4.5	M1	Cam	56.4	− 5 37	6.0	G9	Eri
25.5	+22 38	6.0	G6	66 Ari	36.6	+16 23	6.2	G5	Tau	45.0	+71 11	4.6	A3	γ Cam	56.9	+10 11	6.4	F3	Tau
25.6	−35 51	5.7	K0	χ² For	36.7	−28 6	6.0	A0	τ For	45.2	+63 9	5.9	A3	Cam	57.2	−12 43	5.9	K5	Eri
25.6	−11 28	5.8	K2	Eri	37.0	−10 36	6.4	G5	Eri	45.3	+56 58	6.5	B9	Cam	57.6	−57 15	6.0	F2	Rat
25.8	+49 20	4.5	B5	34 Per	37.1	− 3 33	6.2	G5	Eri	45.4	+23 16	5.4	B8	Tau	57.8	+17 9	6.3	B9	Tau
25.9	+58 42	4.6	A0	Cam	37.2	+ 2 54	5.6	G6	12 Tau	45.5	−24 2	5.2	A2	28 τ⁷ Eri	57.8	−24 9	4.6	A	36 τ⁹ Eri
25.9	+46 46	6.2	B5	Per	37.4	− 1 17	6.2	G5	Tau	45.5	+10 59	5.5	B7	30 e Tau d	57.9	+12 21	var	B3	35 λ Tau
26.1	+59 12	6.0	A0	Cam d	37.8	+25 10	6.0	A2	11 Tau	45.7	+43 49	5.9	F0	Per	57.9	+18 3	5.9	A9	Tau
26.2	+55 17	5.1	A1	Cam d	37.8	+63 3	5.1	S5	Cam	45.9	−30 19	5.5	G5	ρ For	57.9	−61 32	4.6	M2	δ Ret
26.3	−36 2	6.5	A0	χ³ For	37.9	+37 25	5.6	B5	Per	45.9	−36 16	6.2	B8	Eri	58.0	+36 51	6.3	B9	Per
27.0	+47 49	4.5	K3	35 σ Per	37.9	−15 23	6.4	G5	Eri	46.0	+ 0 5	5.9	K3	Eri	58.7	−30 38	5.9	A0	Eri
27.1	+47 56	5.8	B8	Per	38.2	− 5 22	5.5	B8	22 Eri	46.2	+23 54	3.6	B8	27 Tau	58.9	−51 42	6.4	M1	Dor
27.2	− 6 58	6.2	G5	Eri	38.4	−78 29	6.3	K0	Men	46.2	+23 59	var	B8	28 BU Tau	59.0	− 1 41	5.2	B5	35 Eri
27.2	−12 51	5.6	A4	Eri	38.6	+59 49	5.8	K5	Cam	46.4	+32 56	5.1	A2	42 n Per	59.0	+ 9 52	5.7	B8	Tau
27.7	+11 10	5.1	B9	4 s Tau	38.9	−11 58	6.5	F5	Eri	46.4	−21 3	5.8	K5	Eri	0.0	− 0 24	5.4	F5	Eri
27.9	+49 2	6.3	A0	Per	39.1	−19 45	6.5	A0	Eri	46.6	+44 49	5.7	G5	Per	0.2	−62 18	4.5	M5	γ Ret
28.1	+ 6 1	6.0	G5	Tau	39.2	+33 48	5.0	B0	40 o Per d	46.7	−37 46	var	A0	f Eri d	0.3	+59 1	5.0	F0	Cam
28.1	+12 46	4.2	K0	5 f Tau	39.4	+47 38	3.0	B5	39 δ Per	46.8	+23 34	6.2	B9	Tau	0.5	−61 13	5.0	K4	ι Ret
28.1	− 5 15	4.7	B8	17 v Eri	39.4	+19 32	5.6	B8	13 Tau	46.8	+68 21	6.3	B8	Cam	0.5	+ 5 51	3.9	A1	38 ν Tau
28.2	−42 48	5.8	A3	Eri	40.3	−32 6	5.0	B5	δ For	47.0	+22 6	6.1	B8	Tau	1.0	+61 33	6.0	K2	Cam
28.2	+49 14	6.3	B9	Per	40.5	+48 22	6.2	K4	Per	47.3	+25 26	5.4	A3	Tau	1.1	+ 5 18	5.3	B3	40 Tau
28.3	+27 24	5.9	A0	Tau d	40.9	− 9 56	3.6	K0	23 δ Eri	47.6	−36 21	4.2	G5	g Eri	1.2	−20 17	6.1	B3	Eri
28.4	−41 32	6.1	F8	Eri	40.9	+19 31	6.1	K0	14 Tau	48.0	−74 23	3.2	M0	γ Hyi	1.2	+ 8 4	5.5	F2	Tau
28.5	−63 7	4.7	F5	ϰ Ret	41.0	−37 28	4.6	K2	h Eri	48.5	+12 54	6.2	B9	Tau	1.4	+23 58	5.6	F5	36 Tau
28.6	+47 51	5.5	B8	Per	41.2	+45 57	6.0	A5	Per	48.7	+34 13	5.8	B1	Per	1.5	+ 2 42	5.4	F6	Tau
29.0	+45 53	5.3	F4	36 Per	41.2	−10 39	5.6	A	Eri	48.9	+31 1	6.2	A3	Per	I.6	+80 34	5.2	G8	Cep
29.0	−47 33	6.0	A2	Hor	41.2	+32 8	3.8	B1	38 o Per	49.3	+ 6 23	5.6	B9	31 Tau	1.7	+21 57	4.4	K0	37 A¹ Tau
29.2	+44 41	6.4	B2	Per	41.3	+67 3	5.8	F4	Cam	49.6	+57 50	5.8	A	Cam	1.9	−16 43	6.5	K2	Eri
29.5	+35 18	5.9	B1	Per	41.3	+36 18	5.5	A3	Per	50.0	+48 30	5.8	K2	Per	1.9	+65 23	6.0	A2	Cam
29.5	+58 36	6.2	A2	Cam d	41.6	+20 46	6.0	A0	Tau	50.2	− 5 31	5.5	B8	30 Eri d	2.0	−12 56	5.7	K0	Eri
29.7	+73 11	6.4	A0	Cas	41.6	+27 45	6.3	FG	Tau	50.3	+17 11	5.5	B8	Tau	2.4	+21 53	5.9	G1	39 A² Tau
29.7	+57 42	6.3	F5	Cam	41.8	+63 11	4.8	F5	Cam	51.0	−18 35	6.2	F2	Eri	2.5	−20 31	6.1	K0	Eri
29.8	−25 47	6.4	A0	For	41.8	+42 25	3.8	F5	41 ν Per	51.0	+31 44	2.8	B1	44 ζ Per d	2.7	+53 53	6.2	K0	Cam
29.8	+54 48	5.8	A2	Cam	41.8	+24 8	5.4	B7	16 Tau	51.1	+71 41	6.3	F0	Cam	2.8	+50 13	4.3	B9	47 λ Per
29.9	+ 9 12	5.7	B8	6 t Tau	41.9	+23 57	3.7	B6	17 Tau	51.3	+86 29	5.8	F2	Cep	3.4	+62 12	6.3	B0	Cam d

4^h α	δ	mag	sp	const	4^h α	δ	mag	sp	const	4^h α	δ				4^h α	δ			
$3^m.5$	−8°59′	6.2	A2	Eri	$15^m.6$	−61° 4′	6.4	A0	Ret	$22^m.9$	+57°28′	6.2	A0	Cam	$32^m.8$	−20° 1′	6.1	K0	Eri
3.5	+27 28	5.2	A	41 Tau	15.6	−59 25	4.4	K1	ε Ret	22.9	+31 20	5.2	K1	Per	32.9	+10 4	4.3	A	88 d Tau
3.6	−27 47	5.6	F0	Eri	15.7	+ 9 22	6.5	A2	Tau	23.2	−57 11	6.3	G0	Dor d	32.9	−55 9	3.3	A0	α Dor
3.6	−20 39	6.3	G5	Eri	15.9	+65 1	5.3	G5	Cam	23.3	+22 42	4.3	F0	69 υ Tau	33.0	−62 56	5.9	K0	Ret d
3.9	+28 52	5.3	F1	42 φ Tau	16.0	−33 55	3.6	B8	41 Eri	23.5	+15 30	4.5	F0	71 Tau	33.0	+16 25	0.9	K5	87 α Tau
4.9	+15 2	6.0	F2	Tau d	16.1	−20 50	6.4	M4	Eri	23.6	+ 8 29	6.1	B5	Tau	33.2	+41 10	4.3	K0	58 e Per
4.9	+37 36	6.1	K1	49 Per	16.4	+50 48	5.5	B2	Per	23.7	−44 16	6.4	F6	Cae	33.5	+23 14	6.0	F2	Tau
5.0	+47 35	4.0	B3	48 c Per	16.4	+83 42	5.4	B5	Cep	23.8	+14 36	4.8	G8	73 π Tau	33.5	− 3 43	6.3	B9	Eri
5.1	+17 12	5.9	K5	Tau d	16.5	+21 1	5.3	A	53 Tau	24.3	+22 53	5.4	B6	72 Tau	33.6	−30 40	3.8	K0	52 υ^2 Eri
5.2	+59 47	6.3	G8	Cam	16.5	−23 5	6.1	A	Eri	24.4	−61 21	5.9	K5	Ret	33.8	− 3 27	4.1	B2	48 ν Eri
5.3	+37 55	5.5	F7	50 Per	16.6	+21 39	5.2	A	56 Tau	24.4	+ 1 58	6.2	K1	Tau	34.6	+ 0 54	5.3	B7	Tau
5.4	+54 42	6.2	F2	Cam	16.8	+41 41	6.0	G5	Per	24.7	+11 6	5.8	B7	Tau	34.9	−30 49	6.3	B9	Eri
5.8	−43 3	6.5	G5	Hor	16.9	+15 31	3.7	K0	54 γ Tau	24.8	−24 12	6.1	A2	Eri	35.1	− 2 34	5.3	A4	51 c Eri
6.2	+13 16	6.0	B9	Tau	17.0	+31 50	6.2	K5	Per	25.0	+21 31	5.7	A	Tau	35.3	+15 56	5.8	A8	89 Tau
6.2	+19 29	5.5	K1	43 Tau	17.1	−63 23	6.2	B9	Ret d	25.3	−81 42	5.8	A5	ν Men	35.3	+20 35	5.7	B8	Tau
6.8	−64 22	6.4	G0	Ret	17.1	+13 55	5.6	A9	57 h Tau	25.5	+ 1 45	6.0	G9	Tau	35.4	+12 25	4.3	A5	90 c Tau
7.0	−46 0	6.5	F6	Hor	17.2	+34 27	5.0	G8	54 Per	25.6	+14 38	5.9	F0	76 Tau	35.4	+26 51	6.4	F2	Tau d
7.0	−16 31	5.4	B3	Eri	17.2	−34 1	6.4	A2	Eri d	25.7	+16 15	5.1	K2	75 Tau	35.9	−14 24	3.9	K2	53 l Eri
7.8	+33 27	5.8	K5	Per	17.3	+27 14	4.9	K1	52 φ Tau	25.7	−47 3	6.1	F8	Cae	36.0	+52 59	5.1	K0	3 Cam
7.8	+26 21	5.4	F3	44 p Tau	17.4	+60 37	5.5	M0	Cam	25.7	+19 4	3.5	K0	74 ε Tau	36.0	+53 23	5.4	A5	2 Cam
7.8	+68 22	6.3	K0	Cam	17.4	−52 59	6.1	F5	Dor	25.7	+30 15	6.2	F4	Tau d	36.2	−62 11	var	M7	R Dor
7.9	− 7 0	5.6	G6	37 Eri	17.5	+18 37	6.1	F2	Tau	25.7	+15 51	3.8	K0	77 ϑ^1 Tau	36.3	+15 42	5.1	A	91 σ^1 Tau
8.1	+72 0	6.0	K1	Cam	17.7	−44 23	5.3	K0	Hor	25.8	+15 46	3.4	A7	78 ϑ^2 Tau	36.3	+25 7	6.2	A3	Tau
8.4	− 8 57	5.7	G9	Eri	17.8	+14 59	5.3	A8	58 Tau	25.9	+ 1 16	5.5	B8	Tau	36.4	+ 7 46	5.4	A9	Tau
8.7	+ 5 24	5.7	F4	45 Tau	17.8	+56 23	5.9	A2	Cam	26.0	+12 56	5.5	A6	79 b Tau	36.4	+15 49	4.7	A5	92 σ^2 Tau
8.9	−35 24	6.4	G5	Eri	17.9	+46 23	4.8	B6	53 d Per	26.4	−19 34	6.0	K1	Eri	36.6	−12 13	5.0	A2	Eri
9.2	−42 7	4.9	F0	δ Hor	18.0	+ 6 1	5.7	G6	Tau	26.5	−42 4	6.4	M1	Cae	37.0	−14 27	5.4	K1	Eri
9.4	−20 29	5.8	A1	Eri	18.1	+13 45	5.7	A	60 Tau	26.8	−13 9	5.6	B1	Eri	37.2	− 1 9	6.2	K0	Eri
9.4	− 6 58	4.0	F2	38 σ^1 Eri	18.1	+ 9 6	6.5	A3	Tau	27.2	−62 38	5.8	K0	Ret	37.3	+12 6	5.4	B7	93 Tau
9.7	+17 9	6.1	K0	Tau	18.2	− 6 22	6.3	G5	Eri	27.3	+15 32	5.6	A6	80 Tau d	37.7	+48 12	5.6	A0	Per
9.9	+22 17	6.1	B8	Tau	18.2	+80 43	5.3	G6	Cep	27.4	+32 21	6.2	B9	Per	37.8	−51 46	6.4	K0	Pic
10.8	+ 8 46	6.4	A3	Tau	18.3	− 7 43	5.8	B5	Eri	27.7	+72 25	5.9	A	Cam	38.0	−24 35	5.6	G6	Eri
10.8	+10 5	6.2	B8	Tau	18.5	−20 45	5.3	A2	Eri	27.7	+16 5	4.8	A7	Tau	38.2	+28 31	5.6	A2	Tau
10.9	+ 7 35	5.3	F3	46 Tau	18.7	+59 30	6.1	A0	Cam d	27.8	+15 35	5.5	A7	81 Tau	38.3	−19 46	4.3	M4	54 Eri
10.9	+57 20	6.1	A2	Cam	18.8	+83 14	5.5	G8	Cep	27.8	+13 37	5.4	F1	83 Tau	38.4	+38 11	5.8	G3	Per
11.2	+12 38	6.3	K0	Tau	18.9	− 0 12	6.1	K2	Eri	27.9	−13 42	6.2	G5	Eri	38.9	−41 58	4.4	F2	α Cae
11.2	− 1 17	6.5	B5	Eri	19.2	+13 58	6.2	F5	Tau	27.9	−46 37	6.2	G8	Cae	39.2	+22 52	4.3	B3	94 τ Tau
11.2	+48 17	4.1	G0	51 μ Per	19.4	+20 42	6.0	M0	Tau	28.0	+39 54	6.2	B8	Per d	39.4	+43 16	5.2	A0	59 Per
11.2	+ 9 8	4.9	G5	47 Tau	19.4	−25 51	6.0	F2	Eri	28.1	+53 48	5.4	B0	1 Cam d	39.5	−59 2	6.5	G5	Dor d
11.5	+40 22	4.8	G0	52 f Per	19.5	+25 31	5.4	B9	59 χ Tau d	28.8	−35 46	6.0	K0	Eri	39.6	+49 53	5.8	B8	Per
11.9	+ 9 53	5.2	B8	Tau	20.0	+17 26	3.8	K0	61 δ Tau	29.0	+15 45	6.0	A9	85 Tau	40.2	+24 0	6.1	F6	95 Tau
11.9	−40 29	6.4	G5	Hor	20.1	+42 19	6.0	B9	Per	29.1	−13 45	6.2	A2	Eri d	40.3	−37 14	5.0	F8	β Cae
12.0	−10 23	4.9	K3	39 A Eri d	20.5	+16 40	5.6	A	63 Tau	29.3	−45 4	5.1	B3	δ Cae	40.6	+32 46	6.4	A3	Aur
12.3	−42 25	3.9	K1	α Hor	20.6	+20 52	5.9	B9	Tau	29.3	− 0 9	4.9	K3	45 Eri	40.6	−77 45	6.0	K0	Men
12.5	+61 44	5.6	B8	Cam	21.0	+24 11	6.1	B3	62 Tau d	29.4	+ 5 18	6.4	F4	Tau	40.7	+40 42	6.1	B7	Per
12.7	+ 6 5	6.1	G0	Tau v	21.0	−25 0	5.8	K5	Eri	29.9	+42 58	6.0	F1	57 m Per	41.2	− 8 53	6.0	F2	55 Eri d
12.8	+53 29	5.1	A2	Cam	21.1	+ 9 21	5.1	A2	66 r Tau	30.1	− 3 19	5.9	O9	Eri	41.2	−30 51	5.7	K2	Cae
12.8	+ 8 46	4.3	B3	49 μ Tau	21.1	− 3 52	5.2	A2	42 ξ Eri	30.7	+17 55	6.2	B9	Tau d	41.5	−50 34	5.3	G8	λ Pic
12.9	+15 17	6.3	F2	48 Tau	21.2	+17 20	4.8	A7	64 Tau	31.0	−10 53	6.2	K0	Eri	41.7	+11 3	5.4	A6	Ori
13.0	− 7 44	4.4	K1	40 σ^2 Eri	21.2	+34 1	5.5	B7	55 Per	31.0	+14 44	4.7	F0	86 ρ Tau	41.7	− 8 36	5.9	B5	56 Eri
13.0	+57 44	5.6	K2	Cam	21.3	−35 40	6.4	G5	Eri	31.1	+ 9 19	6.0	G8	Tau	41.9	−18 45	5.5	A1	Eri
13.8	−62 36	3.3	G6	α Ret	21.3	−80 20	5.7	K0	δ Men	31.5	− 6 51	5.7	B9	46 Eri	42.1	+75 51	6.0	A6	Cam
14.1	−62 19	5.4	K1	Ret	21.3	−63 30	5.2	G7	η Ret	31.5	+ 5 28	5.7	A2	Tau	42.1	−41 9	6.2	K5	Cae
14.3	+20 27	4.8	A	50 ω Tau	21.4	+33 51	5.7	F5	56 Per d	31.5	+28 52	5.7	A	Tau	42.7	+23 32	6.2	B5	Tau
14.5	+50 10	4.5	A2	Per	22.0	+18 56	6.0	A9	Tau	31.5	−29 52	4.5	G6	50 υ^1 Eri	42.9	−21 22	5.7	K2	Eri
14.7	+42 1	6.1	B8	Per	22.2	−34 8	4.0	M1	43 d Eri	31.7	+64 10	5.9	A0	Cam	43.0	− 3 21	4.0	B5	57 μ Eri
14.7	−51 37	4.2	F5	γ Dor	22.4	+22 11	4.2	A7	65 χ Tau	31.8	− 8 20	5.4	M3	47 Eri	43.2	+11 37	5.4	A	Ori
14.9	− 6 36	6.1	G8	Eri	22.5	+22 5	5.3	A5	67 Tau	31.8	− 9 4	5.3	K4	Eri	43.3	+40 13	6.0	G9	Per
15.4	+21 28	5.7	A8	51 Tau	22.6	+17 49	4.3	A2	68 Tau	31.8	− 6 56	6.1	K2	Eri	43.4	+18 39	6.0	K4	Tau
15.5	+49 56	5.4	A5	b Per	22.8	+15 50	6.5	F5	70 Tau	32.8	− 9 50	6.3	A0	Eri d	43.6	−71 1	5.5	B9	μ Men

4^h					4^h–5^h					5^h					5^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ				α	δ			
43.6	−59°49′	5.4	A3	χ Dor	53.9	− 5°15′	5.5	B9	62 b Eri	3.0	+41°10′	3.2	B3	10 η Aur	13.0	+45°57′	0.1	G8	13 α Aur
43.9	− 3 3	6.3	A2	Ori	54.1	−58 38	6.1	F5	Dor	3.2	−26 13	5.7	K2	Lep	13.0	+34 15	var	09	AE Aur d
43.8	+56 40	5.3	A	4 Cam	54.5	+17 5	5.5	K1	Tau	3.3	−43 7	6.2	F2	Aur	13.3	+53 32	var	M7	R Aur
44.0	+55 31	6.2	F0	Cam	54.7	− 1 9	6.2	F2	Ori	3.3	−22 26	3.2	K5	2 ε Lep	13.3	+11 13	5.5	A0	18 Ori
44.2	−39 27	6.0	K0	Cae	54.8	+23 52	5.8	G8	99 Tau	3.4	−71 23	5.3	K0	β Men	13.4	−27 0	5.1	B9	Lep
44.4	−28 11	6.2	A3	Eri	55.1	+24 59	5.5	B9	98 k Tau	3.7	−49 39	4.9	M2	η^2 Pic	13.8	−67 14	4.8	K2	ϑ Dor
44.5	−63 19	6.4	K0	Dor	55.5	−14 18	6.1	B1	Eri	4.0	−54 28	6.1	K5	Pic	14.1	+ 1 54	6.4	A0	Ori
44.8	−49 20	var	M1	R Pic	55.7	− 2 17	6.4	A0	Ori	4.3	− 4 43	5.1	B9	66 Eri	14.3	+79 11	5.0	F6	Cam d
45.0	+70 51	6.3	B9	Cam	55.8	+53 5	6.3	K3	8 Cam	4.3	−13 11	6.1	A0	Lep	14.5	−52 14	6.5	K0	Pic
45.4	−17 1	5.5	G1	58 Eri	55.9	+37 49	4.9	A0	4 Aur d	4.5	−82 32	5.8	G8	ξ Men	14.6	−17 12	6.5	B3	Lep
45.9	−30 7	6.4	K0	ζ Cae	56.0	+ 1 38	4.5	K2	10 π^6 Ori	4.5	+18 35	5.0	G4	104 m Tau	14.7	+42 44	5.6	M4	Aur
46.0	+31 21	5.6	K1	Aur	56.0	+74 12	6.1	K5	Cam	4.7	−57 32	4.7	F8	ζ Dor	14.9	+33 19	4.6	K3	16 Aur
46.1	+32 30	5.9	A	Aur	56.2	+14 28	5.9	B6	Ori d	4.8	+20 21	5.2	A3	106 l Tau	15.0	+33 43	var	B9	17 AR Aur
46.1	+ 3 30	6.0	K1	Ori	56.6	−75 1	5.5	K6	η Men	4.9	+64 52	6.3	F3	Cam	15.1	+58 4	6.1	B3	15 Cam
46.1	− 5 45	5.8	G0	Eri	56.8	−16 27	5.7	F2	Lep	4.9	+ 9 25	6.2	G2	13 Ori	15.2	− 6 54	3.6	B5	20 τ Ori
46.3	−16 25	5.8	F6	59 Eri	56.9	+39 19	5.9	F3	5 Aur d	4.9	+21 38	5.8	B2	105 Tau	15.2	+40 25	6.2	K0	Aur
46.5	+37 24	4.9	K4	1 Aur	57.0	+39 35	6.5	K5	6 Aur	5.1	+24 12	5.4	B2	103 Tau d	15.4	−13 34	5.5	G9	Lep
46.9	+15 49	6.2	K3	96 ^{3}Tau	57.1	+61 0	6.0	F5	Cam	5.1	−12 33	6.0	F8	Lep	15.6	+40 3	4.7	G0	15 λ Aur
47.1	+ 6 53	3.2	F5	1 π^3 Ori	57.3	−14 53	var	N	R Lep	5.2	+ 8 26	5.3	A	14 i Ori	15.7	−34 57	4.8	K0	o Col
47.4	+48 39	5.6	K0	Aur	57.5	−10 20	5.7	G4	63 Eri	5.4	− 5 9	2.8	A3	67 β Eri	15.7	+62 36	5.7	K4	Cam
47.4	+63 25	5.6	M2	Cam	57.6	−12 37	4.8	F0	64 S Eri	5.9	− 8 44	5.8	B8	Eri d	15.7	+33 42	5.4	A	Aur
47.4	−13 51	6.3	F2	Eri	57.8	+66 45	6.2	F6	Cam	6.0	+73 53	5.3	A	Cam	16.1	+33 56	6.5	A5	18 Aur
47.9	+ 8 49	4.3	A0	2 π^2 Ori	57.9	+ 3 33	6.0	A0	Ori d	6.2	+ 4 31	5.1	F5	68 Eri	16.3	+22 3	5.0	G8	109 Tau
47.9	−16 18	5.2	K0	60 Eri	58.1	− 2 8	6.3	A5	Ori	6.5	−35 47	6.5	G5	Cae	16.3	+20 5	6.1	G8	Tau d
48.4	+18 45	5.1	A5	97 i Tau	58.3	− 5 49	6.2	K5	Eri	6.6	+ 9 46	5.4	A	16 h Ori	16.6	+ 2 33	5.3	F5	21 Ori
48.5	+ 5 31	3.7	B2	3 π^4 Ori	58.3	+74 0	5.9	A2	Cam	6.6	+27 58	6.0	A	Tau d	16.6	−18 11	6.0	G0	Lep
48.6	−41 24	6.1	F0	Cae d	58.4	+43 45	var	A8	7 ε Aur	6.8	− 8 49	4.3	B2	69 λ Eri	16.7	+33 54	5.0	A5	19 Aur
49.0	+ 9 54	6.1	A0	Ori	59.0	+60 22	4.1	G0	10 β Cam	6.8	+15 32	4.8	F2	15 Ori	16.7	+41 2	5.4	A3	Aur
49.1	+66 16	4.3	09	9 α Cam	59.0	+41 0	var	K5	8 ζ Aur	6.9	+37 14	6.2	B2	Aur d	16.9	+46 55	6.4	F0	Aur d
49.2	+52 46	6.3	A2	Cam	59.0	− 7 15	4.8	B2	65 ψ Eri	7.0	+46 54	5.5	F3	Aur	17.1	− 1 28	6.3	B1	Ori
49.3	+42 30	5.7	A0	Aur	59.3	−20 7	4.9	B9	Lep	7.2	−73 6	6.3	A0	Men	17.1	−18 34	5.5	B8	Lep d
49.3	+36 37	4.8	K3	2 Aur	59.3	+ 0 39	6.0	K0	Ori	7.2	−63 28	5.2	M4	Dor	17.2	−81 36	6.5	G5	Men
49.6	−34 59	5.8	A1	Cae	59.4	+ 1 32	6.1	A	Ori d	7.5	− 0 38	6.4	K0	Ori	17.3	−13 14	4.3	B0	6 λ Lep
49.7	+27 49	5.8	F2	Tau	59.8	+41 22	6.1	A0	Aur	7.5	+76 25	6.3	B9	Cam	17.4	−27 25	6.0	A0	Col
49.7	+14 10	4.8	M3	4 o^1 Ori	59.9	−39 47	6.0	G5	Cae	8.4	− 2 19	6.3	G5	Ori	17.7	−12 22	5.3	B7	7 ν Lep
49.8	−53 33	5.2	F0	ι Pic d	0.1	+21 31	4.6	A7	102 ι Tau	8.5	+61 47	6.0	A0	Cam	17.8	+27 55	6.3	B8	Tau
50.4	− 5 32	4.4	A9	61 ω Eri	0.1	−26 21	5.0	K0	Lep	8.8	− 2 33	5.9	F6	Ori	18.0	− 5 25	6.4	B9	Ori
50.8	+ 2 26	5.3	M1	5 Ori	0.3	− 4 17	6.1	K3	Eri	8.8	+15 59	5.2	K5	Ori	18.0	+19 46	6.3	K0	Tau
50.9	+81 7	5.2	K3	Cep	0.5	−31 51	5.9	G8	Cae	8.9	+62 38	6.4	A2	14 Cam	18.0	+29 31	5.7	A2	Aur
51.0	+55 11	5.5	A0	5 Cam	0.6	−22 52	5.7	K1	1 Lep	9.0	−11 55	5.7	M6	Lep	18.1	−50 40	5.4	F8	ζ Pic
51.3	+43 59	6.1	B9	Aur	1.0	+30 26	6.2	K0	Aur	9.2	+ 0 59	6.0	F5	Ori d	18.3	+41 45	5.1	B5	20 ρ Aur
51.3	+ 1 29	6.5	A2	$_5$Ori	1.4	+32 15	6.4	A	Aur	10.0	−11 56	4.5	B8	3 ι Lep d	18.3	−21 17	4.7	A0	Lep d
51.6	+ 2 22	3.7	B2	8 π Ori	1.4	+21 13	6.2	K0	Tau	10.0	+38 26	4.7	A	11 μ Aur	18.5	−34 45	6.3	F1	Col
52.0	+11 21	5.1	A3	6 g Ori	1.5	−49 13	5.4	F4	η^1 Pic	10.4	− 6 7	5.9	G7	Ori	18.7	+ 3 58	6.5	B5	Ori
52.0	+19 24	6.4	F0	Tau	1.5	+27 38	6.5	A7	Tau	10.7	+ 2 48	4.5	K3	17 ρ Ori d	19.0	− 0 28	5.7	B3	Ori
52.1	+ 7 42	5.3	K1	$_1$Ori	1.6	−14 26	6.4	B3	Lep	10.7	−16 16	3.3	A	5 μ Lep	19.0	+ 8 21	5.8	B1	Ori
52.1	+10 4	4.7	A0	7 π^1 Ori	1.7	+15 20	4.7	A0	11 Ori	10.7	+53 9	6.1	A0	Aur	19.2	+57 30	5.1	A0	16 Cam
52.1	+52 47	5.6	A2	Cam	1.8	+58 54	5.2	B2	11 Cam	10.8	+59 21	6.1	K0	Cam	19.2	− 0 26	4.7	B2	22 o Ori
52.3	+ 0 23	5.9	B5	Ori	1.8	−24 27	5.6	A3	Lep	10.9	−13 0	4.4	B8	4 κ Lep	19.3	+40 59	5.5	A3	Aur
52.9	−16 49	5.7	G9	Eri	1.8	+58 57	6.2	G5	12 Cam	10.9	+ 1 55	6.2	A2	Ori	19.5	−34 24	6.1	B5	Col
53.0	+14 58	5.7	B8	Ori	2.0	+61 0	6.2	K0	Cam	11.1	− 8 12	6.4	A0	Ori	19.6	−13 48	6.5	B8	Lep
53.0	+36 5	6.1	B2	Aur	2.3	−41 49	6.3	F8	Cae	11.7	−14 40	6.2	F2	Lep	19.7	−24 49	5.4	G7	Lep d
53.1	−16 30	5.7	G4	R Eri	2.4	− 3 6	6.1	B5	Ori	12.0	+73 13	5.7	A0	Cam	20.2	+ 3 30	5.0	B1	23 m Ori d
53.2	+24 31	6.1	F0	Tau	2.6	+19 44	6.4	A7	Tau	12.1	+ 5 6	5.5	K4	Ori	20.2	+28 53	6.4	B9	22 Aur
53.2	−39 42	6.1	K0	Cae	2.6	−35 33	4.5	K3	γ Cae d	12.1	− 8 15	0.1	B8	19 β Ori	20.7	+16 39	6.0	A2	110 Tau
53.3	+53 40	4.5	A1	7 Cam	2.6	−35 46	6.3	F0	Cae	12.1	+32 38	5.1	A9	14 Aur d	20.9	+ 5 17	6.3	A0	Ori
53.4	−66 45	6.3	K5	Dor	2.7	+35 52	6.3	A3	Aur	12.5	+22 14	6.1	A2	108 Tau	20.9	− 8 28	6.0	B8	Ori d
53.6	+13 26	4.1	K2	o^2 Ori	2.8	+51 32	4.9	F0	9 Aur	12,7	−36 2	5.7	G8	Col	21.1	− 0 12	5.7	B2	Ori
53.7	+33 5	2.7	K3	3 ι Aur	2.8	+ 1 7	var	G5	W Ori	12.7	−52 5	6.0	K5	Pic	21.2	−26 45	6.5	F6	Lep
53.9	−72 29	6.3	F8	Men	2.9	−78 22	6.3	K0	Men	12.8	− 1 28	6.1	F2	Ori	21.2	−13 58	5.2	B2	8 Lep

5^h α	δ	mag	sp	cohst	5^h α	δ	mag	sp	const	5^h α	δ	mag	sp	const	5^h α	δ	mag	sp	const
21.3	+37°20'	5.0	K4	21 σ Aur	28.8	-47° 7'	5.4	G3	Pic	34.2	-28°44'	6.2	A2	Col	41.2	-18°35'	5.7	A0	Lep
21.3	- 0 55	6.1	F7	Ori d	28.8	-62 21	6.5	K2	Dor	34.3	+11 0	6.0	K5	Ori	41.8	-39 26	6.3	F0	Col
21.4	+31 11	6.2	K1	Aur	28.9	- 6 45	6.2	B2	Ori	34.3	-58 54	6.5	K2	Pic	42.0	+49 48	5.5	A	27 ο Aur
21.4	+31 6	5.9	B9	Aur	29.0	-20 54	5.5	A0	10 Lep	34.4	-61 12	6.3	K0	Dor	42.3	-45 51	6.4	F0	Pic
21.4	-56 11	6.1	B9	Pic	29.3	+18 34	var	M2	119CETau	34.5	+33 32	6.3	K0	Aur	42.3	+56 6	6.0	A2	26 Cam
21.5	+17 20	5.0	F8	111 Tau	29.3	+17 1	5.4	B7	Tau d	34.6	+ 8 55	6.1	B1	Ori	42.3	+40 29	6.4	A3	Aur
21.5	- 7 51	4.1	G8	29 e Ori	29.4	-35 30	3.9	K1	ε Col	34.7	+21 7	3.0	B2	123 ζ Tau	42.3	-20 9	6.3	G0	Lep
21.7	-39 43	5.8	M1	Col	29.5	- 0 20	2.2	O9	34 δ Ori d	34.7	-47 21	6.1	K0	Pic	42.4	-22 26	6.2	K2	Lep
21.9	+34 49	6.3	K1	Aur	29.5	+32 9	4.9	B5	25 χ Aur	34.8	-11 48	6.1	A1	Lep	42.4	-22 28	3.6	F6	13 γ Lep
21.9	- 0 56	5.2	K0	27 p Ori	29.5	- 7 20	4.6	B0	36 υ Ori	35.0	- 5 58	6.0	B1	Ori	42.4	+ 3 59	6.1	F0	Ori d
22.0	- 2 26	3.4	B0	28 η Ori d	29.9	+42 4	6.3	B8	Aur	35.3	-27 54	6.0	A5	ν^1 Col	42.7	+20 40	var	N	Y Tau
22.0	+ 2 19	6.3	B5	Ori	30.0	-63 58	6.2	F0	Dor	35.3	+ 7 31	5.9	B8	Ori	43.6	- 4 17	6.3	K1	Ori d
22.2	+ 1 48	4.9	B1	25 Ori	30.2	- 1 38	5.4	B1	Ori	35.4	- 4 51	6.2	B1	Ori	43.7	+42 31	6.3	K0	Aur
22.2	-17 1	5.6	A0	Lep	30.2	-45 58	5.8	K2	Pic	35.4	+30 28	5.4	G5	26 Aur d	43.9	+15 48	5.9	B7	129 Tau
22.4	+ 6 18	I.6	B2	24 γ Ori	30.2	+32 46	6.5	A	Aur	35.8	-28 43	5.3	F4	ν^2 Col	44.0	+ 1 9	6.0	G4	Ori
22.7	-10 22	5.6	K5	Ori	30.3	+34 42	6.0	K4	Aur	35.8	+26 35	6.3	G9	Tsu	44.1	+ 9 30	5.8	G8	Ori
23.0	- 0 35	6.2	B9	Ori	30.5	-17 51	2.6	F0	11 α Lep	36.0	-73 46	5.8	M4	Men	44.1	-32 19	5.2	O9	μ Col
23.1	+28 34	I.6	B7	112 β Tau	30.6	+18 30	5.5	B	120 Tau	36.1	+29 11	6.0	B2	Aur	44.4	+62 48	6.1	A2	Cam d
23.2	+16 39	6.2	B3	113 Tau	30.7	+20 26	6.0	B6	Tau	36.2	- 6 36	6.0	B1	Ori	44.4	+14 28	5.6	A3	131 Tau
23.2	+ 0 29	6.2	B3	Ori	31.0	- 1 11	var	B1	VV Ori	36.2	- 2 38	3.7	O9	48 σ Ori d	44.5	+17 43	5.4	F4	130 Tau
23.4	-44 16	5.9	K0	Pic	31.1	+14 16	5.5	B3	35 Ori	36.4	+21 44	6.3	A2	Tau	44.7	-65 45	4.3	A6	δ Dor
23.5	+34 21	5.8	A	Aur	31.2	-38 33	5.5	K2	Col	36.5	- 7 14	4.8	A4	49 d Ori	44.7	-14 50	3.6	A3	14 ζ Lep
23.6	+35 25	6.1	K2	Aur	31.3	-35 10	5.8	K0	Col	36.5	+ 4 6	4.5	B3	47 ω Ori	44.9	+13 53	5.2	B2	133 Tau
23.6	+33 13	6.2	K0	Aur	31.4	+ I 22	6.5	B2	Ori	36.6	+25 52	5.0	B2	125 Tau	44.9	-16 15	6.3	G0	Lep
23.6	- 5 34	6.3	B9	Ori	31.5	- I 4	6.3	B3	Ori	36.9	-66 35	6.3	A0	Dor	45.1	-46 37	5.3	G8	Pic
23.6	-52 22	6.3	A0	ϑ Pic d	31.5	- 1 30	5.9	K0	Ori	37.0	- 3 35	6.0	A5	Ori	45.1	-10 33	6.0	A3	Ori
23.8	-19 44	5.6	F4	Lep d	31.6	+ 3 44	5.4	A2	38 n^2 Ori	37.1	-17 53	6.2	B8	Lep	45.1	-28 39	6.0	B7	Col
23.9	+30 10	5.6	B9	Aur	31.9	-29 53	6.3	A0	Col	37.1	-40 44	5.8	B9	Col	45.3	+ 6 26	5.3	A5	52 Ori d
24.0	+ 6 50	6.4	B9	Ori	32.1	+ 9 27	4.4	B0	37 φ^1 Ori	37.1	- 9 44	6.5	B5	Ori	45.4	- 9 41	2.0	B0	53 κ Ori
24.2	+ 3 3	4.6	B2	30 ψ Ori	32.1	+66 40	6.2	A5	Cam	37.3	+53 28	6.2	K2	Aur	45.4	+20 51	5.9	B7	Tau
24.2	+17 55	5.3	B5	115 Tau	32.4	+ 9 54	3.5	O8	39 λ Ori d	37.4	+31 20	6.0	B7	Aur	45.5	-35 42	6.4	K0	Col
24.3	+34 26	5.1	K3	24 φ Aur	32.4	+24 0	5.2	B3	121 Tau	37.4	+31 54	6.o	M1	Aur	45.6	+85 10	6.2	M0	Cep
24.4	+15 13	6.0	A2	Tau	32.4	+64 8	6.0	B9	19 Cam	37.4	+65 40	5.6	K5	Cam	45.7	+39 10	4.5	G8	29 τ Aur
24.6	+21 54	4.8	B3	114 o Tau	32.5	+10 13	5.6	B8	Ori	37.8	-34 6	2.6	B8	α Col	45.9	+24 33	4.9	G8	132 Tau
24.7	-11 56	6.4	F7	Lep	32.5	+54 24	5.8	M0	Aur	38.0	-32 39	5.4	K0	Col	46.1	- 4 6	6.0	G4	Ori
24.9	+15 50	5.5	B9	116 Tau	32.5	+47 41	6.0	F0	Aur	38.1	- 2 51	6.2	B1	Ori	46.1	-51 5	3.8	A3	β Pic
25.1	+17 12	6.0	M1	117 Tau	32.6	- 6 2	4.4	B0	Ori d	38.2	+29 28	6.4	B8	Aur d	46.2	-54 23	6.2	K5	Pic
25.4	+ 1 15	6.4	B2	Ori	32.7	-64 16	5.3	G7	Dor	38.2	- 1 58	1.9	O9	50 ζ Ori d	46.3	+56 54	6.4	A2	29 Cam d
25.4	+63 2	5.5	M1	17 Cam	32.7	-54 56	6.4	F5	Pic	38.3	- 1 9	4.9	B3	Ori	46.4	-40 40	6.5	K0	Col
25.5	-21 25	6.1	G7	Lep	32.8	+27 38	6.3	K0	Tau	38.4	+16 31	4.8	B3	126 Tau	46.7	+12 38	4.9	B9	134 Tau
25.5	-40 59	5.9	A	Col	32.8	- 5 25	4.7	B	41 ϑ^1 Ori d	38.4	-10 26	6.4	B8	Ori	47.0	+51 30	6.3	K1	Aur
25.6	-58 57	5.1	G5	λ Dor	32.9	- 4 27	6.2	B3	Ori	38.5	+ 0 19	5.9	A5	Ori	47.3	+ 8 51	5.8	G3	Ori
25.7	+13 38	6.2	A4	Ori	32.9	- 4 52	4.6	B2	42 c Ori	38.7	-78 51	6.0	B9	ι Men	47.3	-14 30	5.5	G6	Lep d
26.1	-20 48	2.8	G5	9 β Lep	32.9	- 5 27	5.1	O9	43 ϑ^2 Ori d	38.8	+56 33	6.0	G9	24 Cam	47.5	+68 28	6.2	G9	Cam
26.2	+25 7	5.4	B9	118 Tau d	33.0	- 5 56	2.8	O9	44 ι Ori d	38.9	+23 18	6.5	B7	Tau	47.6	+ 4 25	6.0	K2	Ori
26.4	- 3 21	6.2	B9	Ori	33.0	+75 1	6.2	M0	Cam	39.0	+22 38	6.3	K2	Tau	47.6	+37 18	4.8	M1	31 υ Aur
26.5	+29 9	6.2	F2	Aur	33.0	- 4 24	6.3	B2	Ori d	39.2	- 2 55	6.3	G9	Ori	47.6	+14 18	5.6	G9	135 Tau
26.5	-37 16	5.6	A1	Col	33.1	- 3 17	6.4	B3	Ori	39.5	-16 45	6.2	B5	Lep	47.8	-22 59	5.9	A2	Lep
26.9	- 3 29	5.8	G8	Ori	33.2	-62 31	var	F8	β Dor	39.5	+61 27	6.3	G5	23 Cam	47.8	+27 57	5.5	G7	Aur
27.2	- 1 8	4.7	K4	31 Ori	33.2	- 4 53	5.3	F8	45 Ori	39.6	-33 25	6.4	A0	Col	47.9	+58 57	6.0	B9	30 Cam
27.3	-68 40	6.0	F0	Dor d	33.4	+40 9	6.0	G3	Aur	39.8	-84 49	6.2	A1	Men	47.9	+ 2 1	6.0	G0	Ori
27.3	+41 25	6.0	K0	Aur	33.4	+25 55	6.2	F5	Tau	39.9	+ 1 27	4.9	K0	51 b Ori	48.0	+39 8	4.1	K0	32 ν Aur
27.3	+ 1 45	5.8	B1	Ori	33.4	-33 7	5.7	K0	Col	40.0	-17 33	6.3	K0	Lep	48.1	-44 53	6.3	K2	Pic
27.6	+15 19	5.7	A3	Tau	33.7	- 1 14	1.7	B0	46 ε Ori	40.1	-22 24	5.9	A2	12 Lep	48.2	+32 7	6.2	M3	Aur
27.7	+ 4 10	var	K2	CK Ori	33.8	- 5 41	6.5	B3	Ori	40.3	-30 33	6.2	A0	Col	48.9	-56 11	4.5	K1	γ Pic
27.7	+22 26	6.4	K0	Tau	33.9	-76 23	5.2	K4	γ Men	40.3	+23 11	6.2	B5	Tau	49.0	- 7 32	5.4	B2	55 Ori
27.9	- 7 28	6.3	B1	Ori	34.0	+26 54	5.7	B8	Tau d	40.5	-34 41	5.3	B9	Col	49.2	-20 53	3.8	G8	15 δ Lep
28.1	+ 5 55	4.2	B5	32 A Ori	34.2	- 6 6	5.7	B1	Ori d	40.5	- 6 49	6.0	F6	Ori	49.2	+39 34	6.4	A3	Aur
28.3	+57 11	6.4	F7	18 Cam	34.2	+ 9 16	4.1	G8	40 φ^2 Ori	40.6	- 1 38	6.5	K2	Ori	49.2	-35 47	3.1	K2	β Col
28.6	+ 3 15	5.4	B1	33 n^1 Ori d	34.2	+17 1	5.5	A5	122 Tau	41.1	-80 31	5.6	G3	π Men	49.4	+33 54	6.2	M2	Aur

5^h

α	δ	mag	sp	const
49.4	−52°47′	6.3	F5	Pic
49.4	−22 56	6.2	K0	Lep
49.4	+19 51	5.9	B9	Ori
49.5	+14 10	5.5	A	137 Tau
49.7	− 9 3	6.0	A2	Ori
49.8	−52 7	5.2	G8	Pic
49.8	+ 1 51	4.8	K2	56 Ori
49.9	−66 55	5.1	B5	ε Dor
50.1	−29 28	6.4	K0	Col
50.2	+27 36	4.5	A0	136 Tau
50.5	+59 53	5.2	A0	31 Cam
50.7	+55 42	4.9	A2	30 ξ Aur
50.8	−37 38	5.6	K0	Col
51.1	−64 3	6.4	K0	Dor
51.3	−33 49	4.9	B5	λ Col
51.4	+20 16	4.4	G0	54 χ^1 Ori
51.5	+10 35	6.4	G9	Ori
51.5	−57 10	5.9	F5	Pic
51.7	+31 42	5.8	A3	Aur
51.7	+11 45	6.4	A2	Ori
51.8	−19 39	6.5	A0	Lep
51.9	−42 56	6.3	K0	Col
52.0	+19 45	5.9	B2	57 Ori
52.1	− 4 4	6.5	B2	Ori
52.2	+ 0 58	6.1	K0	Ori
52.3	+51 48	6.4	A3	Aur
52.3	−29 9	6.4	F2	Col
52.4	−11 47	5.7	K5	Lep
52.5	+ 7 24	var	M2	58 α Ori
52.9	+20 10	var	M8	U Ori
53.0	−50 23	6.5	K0	Pic
53.0	− 4 37	5.9	K2	Ori
53.1	− 4 48	6.3	A0	Ori
53.2	+13 56	6.3	G0	Ori d
53.2	+49 1	6.2	G8	Aur
53.2	−39 58	5.6	K6	Col
53.4	+28 56	6.4	A2	Aur
53.4	−49 38	6.1	B5	Pic
53.6	−79 22	5.5	B9	α Men
53.7	−63 6	4.6	K3	Dor
53.7	+ 9 30	6.0	B9	Ori
53.7	+52 39	5.3	F0	Pic
53.8	−37 8	5.0	G8	ξ Col
53.9	+24 15	6.0	A0	Tau
54.0	+11 31	6.0	G5	Ori
54.1	−14 11	3.7	F0	16 η Lep
54.1	−22 51	6.0	K0	Lep
54.5	−31 23	5.5	F0	σ Col
54.5	−23 13	6.4	K0	Lep
54.9	+25 57	4.8	B1	139 Tau
54.9	−31 59	6.4	K0	Col
55.3	+ 1 13	6.4	K2	Ori
55.4	+54 17	3.7	K0	33 δ Aur
55.5	+49 55	5.9	G4	Aur
55.6	+55 19	6.4	A	Aur
55.7	− 1 0	6.3	K0	Ori
55.7	+54 33	6.1	K0	Aur
55.8	−35 17	4.4	B3	γ Col
55.8	+ 1 50	6.0	A5	59 Ori d
55.9	+44 57	1.9	A2	34 β Aur

5^h–6^h

α	δ	mag	sp	const
56.1	+12°48′	5.7	G4	Ori
56.2	−53 26	6.4	K2	Pic
56.2	+45 56	4.4	M3	35 π Aur
56.3	+ 0 33	5.2	A1	60 Ori
56.3	+37 12	2.7	B9	37 υ Aur
56.6	− 9 23	6.3	F2	1 Mon
56.7	+44 35	6.3	K2	Aur d
56.7	− 9 34	5.0	A	2 Mon
57.1	− 1 27	6.4	B9	Ori
57.1	−44 2	5.7	K0	Pic
57.2	+47 54	5.7	A0	36 Aur
57.6	− 3 4	4.5	K2	Ori
57.6	−42 49	4.0	K0	η Col
57.9	+27 34	6.0	B9	Tau
57.9	+48 58	6.1	K0	Aur
57.9	+31 2	6.0	A0	Aur
58.0	−12 54	6.2	F0	Lep
58.7	+22 24	6.2	B8	Gem
58.9	+49 54	6.0	A0	Aur
59.2	−25 25	5.9	A1	Lep
59.5	−33 55	5.5	K5	Col
59.5	−10 36	5.0	B5	3 Mon
59.6	+ 9 39	4.1	A	61 μ Ori
59.6	+32 38	6.2	F5	Aur
59.6	−51 13	5.7	A0	Pic
59.7	+ 1 42	6.5	A0	Ori
59.7	+42 55	6.1	K0	38 Aur
0.3	−14 30	6.2	G5	Lep
0.5	+19 42	5.2	B8	64 Ori
0.5	+51 35	6.3	A5	Aur d
0.6	+11 41	5.9	B5	Ori
0.9	+20 8	4.6	B2	62 χ^2 Ori
1.1	+23 16	4.2	G5	1 Gem
1.2	−26 17	5.2	K3	Lep
1.5	+42 59	5.8	A8	39 Aur
1.5	−60 6	6.5	M1	Pic
1.6	+37 58	6.3	F8	Aur
1.8	− 6 42	5.2	B2	Mon
1.9	+63 28	6.4	K0	Cam
2.3	+33 36	6.1	B9	Aur
2.3	+ 5 25	5.7	G7	63 Ori
2.3	+ 4 10	5.6	G4	66 Ori
2.5	−32 10	5.6	B3	Col
2.8	−16 29	4.9	A2	17 Lep
2.8	+35 24	6.0	G0	Aur
3.0	−45 2	6.3	F8	Pup
3.1	−10 14	5.9	F4	Mon
3.1	+38 29	5.3	A	40 Aur
3.2	+29 31	6.1	M3	Aur
3.2	−45 5	5.9	F5	Pup d
3.5	−48 27	6.5	G5	Pup d
3.7	−35 30	5.8	A1	Col
3.7	−24 11	var	M6	S Lep
3.9	+41 52	6.2	K0	Aur
3.9	−14 56	4.7	A1	18 υ Lep
4.2	− 4 11	5.4	B5	Mon
4.2	−29 45	5.8	A1	Col
4.4	−23 6	5.5	A2	Lep
4.5	−11 10	6.5	B5	Lep
4.7	+14 47	4.4	B3	67 ν Ori

6^h

α	δ	mag	sp	const
4.8	−21°48′	6.1	M4	Lep
4.9	+41 4	6.4	K0	Aur
5.1	−42 17	6.2	A	π^1 Col
5.3	−34 18	5.9	B5	Col
5.5	−19 10	5.3	M2	19 Lep
5.6	+58 57	5.3	G8	37 Cam
5.6	−45 5	6.4	K2	Pup
5.8	−37 15	5.0	B9	υ Col
6.1	+ 8 41	6.5	B9	Ori
6.1	−66 2	5.7	B9	η^1 Dor
6.3	−42 9	5.5	A0	π^2 Col
6.4	+ 2 31	5.6	A0	Ori d
6.5	+22 12	5.9	K4	Gem
6.6	−62 9	5.0	K0	Pic
6.7	+23 7	5.8	B2	3 Gem
6.9	−22 25	5.5	A0	Lep
7.1	−44 21	6.2	B8	Pup
7.1	−18 7	6.3	A0	Lep
7.1	− 5 42	6.2	F0	Mon
7.3	−14 34	5.6	K2	Lep
7.7	−22 46	5.7	F6	Lep
7.7	+52 40	6.2	A2	Aur
7.8	+48 43	5.6	A0	41 Aur d
7.8	−26 41	6.2	K0	Lep
7.8	+65 44	5.3	K2	36 Cam
8.1	+18 8	6.2	K1	Ori
8.1	−49 33	6.5	F5	Pup
8.5	+24 26	5.9	K0	5 Gem
8.6	−40 21	5.6	M1	Col
8.6	−27 9	5.8	K1	Lep
8.6	− 6 45	6.2	A	Mon
8.6	+13 39	5.9	B9	Ori
9.1	−68 50	5.0	B8	ν Dor
9.1	+19 48	5.7	B9	68 Ori
9.1	+32 42	5.8	M1	Aur
9.1	+14 13	4.4	B3	70 ξ Ori
9.2	+16 9	4.9	B5	69 f^1 Ori
9.2	−26 28	6.0	A0	Lep
9.2	−45 16	6.3	A0	Pup
9.3	− 4 39	6.2	B9	Mon
9.3	+22 55	var	M1	BU Gem
9.3	−54 57	4.8	B1	δ Pic
9.4	− 6 32	5.1	B2	Mon
9.8	+51 11	6.1	K1	Aur
10.2	− 2 29	6.5	K0	Ori
10.4	+10 39	6.5	G4	Ori
10.6	−17 45	6.5	B3	CMa
10.6	+18 42	6.2	B8	Ori
11.1	−65 35	4.9	M3	η^2 Dor
11.2	+60 1	5.4	K3	40 Cam
11.4	− 3 44	5.8	G7	Ori
11.6	+17 55	5.7	A	Ori
11.6	−29 23	6.4	B8	CMa
11.7	−23 51	6.4	G5	CMa
11.7	−74 44	5.1	G5	α Men
11.9	+22 31	var	M3	7 η Gem
11.9	+19 11	5.2	F6	71 Ori
12.1	− 4 33	5.8	A0	Mon
12.2	+29 31	4.3	G8	44 α Aur
12.3	+36 10	6.4	F4	Aur d

6^h

α	δ	mag	sp	const
12.3	+13°52′	5.9	B1	Ori
12.4	− 6 15	4.0	K3	5 γ_1 Mon
12.5	+16 10	5.2	B7	72 f^2 Ori
12.9	+12 34	5.3	B9	73 Ori
13.0	−20 15	5.7	K0	CMa
13.0	+ 6 5	5.9	B5	Mon
13.0	− 4 54	6.0	A2	Mon
13.0	− 0 30	5.6	F6	Ori
13.1	− 9 1	6.1	B9	Mon
13.1	−18 28	6.2	K0	CMa
13.1	+ 4 18	6.4	B3	Ori
13.3	+23 59	6.1	G5	8 Gem
13.3	+61 32	5.1	M3	1 Lyn
13.3	+ 1 11	6.3	F5	Ori
13.3	+69 20	4.7	A0	Cam
13.5	−13 42	5.0	B8	CMa
13.5	+17 12	6.3	K0	Ori
13.6	+12 17	5.0	F5	74 k Ori
13.8	+ 1 6	6.5	B8	Ori
13.9	+46 27	6.5	F0	42 Aur
13.9	−16 36	5.9	B5	CMa
13.9	+23 46	6.3	B3	9 Gem
14.3	+ 7 4	6.5	B8	Ori
14.4	+ 9 58	5.4	A2	75 l Ori
14.6	+46 23	6.4	K2	43 Aur
14.6	+ 5 7	5.7	G0	Mon
14.7	+14 5	6.5	B9	Ori
14.8	−35 7	4.4	G8	κ Col
14.9	−39 15	6.0	A0	Col
15.0	−22 42	6.0	G0	CMa d
15.2	−10 42	6.6	F0	6 Mon
15.2	+59 2	4.4	A2	2 Lyn
15.2	+14 24	5.9	A2	Ori
15.3	−37 43	5.6	K1	Col
15.4	−37 14	6.0	A2	Col
15.5	−16 48	5.1	K3	CMa
15.6	−59 11	6.4	G0	Pic
15.9	−71 41	6.5	F8	Men
15.9	+ 9 4	6.2	K0	Ori
16.1	−19 57	5.3	B2	CMa
16.1	+17 21	6.1	A	Ori
16.5	− 9 22	5.4	K1	Mon
16.5	−15 0	6.1	M1	CMa
16.7	− 8 34	6.2	B9	Mon
16.8	−52 43	6.4	K0	Car
16.8	−20 54	5.8	B5	CMa
17.2	+14 40	5.8	M0	Ori
17.3	− 7 48	5.2	B2	7 Mon
17.5	− 2 55	4.9	M1	Ori
17.6	+59 24	5.9	A2	4 Lyn
17.7	+55 29	5.4	F5	45 Aur
17.9	−34 22	5.8	B9	Col
18.8	+29 34	6.3	A1	Aur
18.1	+11 47	6.4	B5	Ori
18.4	−30 2	3.0	B2	1 ζ CMa
18.5	+17 47	6.3	G9	Ori
18.8	−48 43	6.5	G0	Pup
18.8	−34 7	5.5	B1	Col
18.8	+ 2 18	6.3	A5	Mon
19.1	−11 45	5.5	B1	CMa d

6^h α	δ	mag	sp	const	6^h α	δ	mag	sp	const	6^h α	δ	mag	sp	const	6^h α	δ	mag	sp	const
19.8	+12°36'	5.9	F0	Ori	26.0	+20°15'	4.1	B7	18 ν Gem	33.7	−36°44'	5.6	B9	Col d	41.0	+ 3°59'	5.7	B0	Mon
19.9	+22 32	3.0	M3	13 μ Gem	26.2	+11 3	6.4	F0	Mon	33.9	−52 56	4.4	B(	N Car	41.2	+13 17	4.5	K1	30 Gem
20.2	− 2 10	var	M5	V Mon	26.3	−57 58	5.8	K0	Pic	34.0	+82 10	6.4	A2	Cam	41.6	+29 1	5.5	K4	28 Gem
20.3	−33 25	3.8	G4	3 δ Col	26.3	−32 33	4.5	B5	λ CMa	34.1	− 5 10	5.5	B8	Mon	41.7	−39 8	6.3	A3	Pup
20.5	−17 56	2.0	B1	2 β CMa	26.3	+46 43	5.9	K4	47 Aur	34.1	−36 3	6.3	G0	Col	41.7	−71 43	6.5	K0	Vol
20.7	+ 3 47	6.2	B3	Mon	26.4	− 7 0	3.9	B3	11 β Mon d	34.2	−18 37	5.8	G8	6 ν^1 CMa d	41.8	+59 30	4.9	A2	12 Lyn d
20.8	−56 20	6.5	M	Pic	26.4	−17 26	5.8	G5	CMa	34.4	+24 38	6.4	A3	Cem	42.5	+13 57	3.4	F5	31 ξ Gem
20.9	− 4 40	6.5	B9	Mon	26.4	+58 12	5.9	K0	6 Lyn	34.5	−13 17	6.0	K5	CMa	42.6	+57 13	5.4	K0	13 Lyn
21.0	+49 19	var	M0	46 ψ^1 Aur	26.6	+ 2 41	6.2	M1	Mon	34.5	−19 13	4.0	K1	7 ν^2 CMa	42.6	−31 1	5.2	B3	10 CMa
21.1	+ 4 37	4.3	A5	8 Mon d	26.8	−32 20	5.8	B3	CMa d	34.6	−22 34	6.3	B8	CMa d	42.9	−27 18	6.4	F8	CMa
21.2	− 9 51	6.4	K5	Mon	27.1	−41 2	6.3	F2	Col	34.6	+71 48	5.9	K0	Cam	42.9	−16 39	−1.5	A1	9 α CMa
21.3	+ 8 55	6.2	A0	Mon	27.4	+ 9 4	6.4	A0	Mon	34.7	+ 6 11	6.0	O8	Mon	43.1	+12 45	6.4	F0	32 Gem
21.4	−31 46	6.4	G5	CMa	27.8	−10 3	5.9	K0	Mon	34.8	+16 27	1.9	A0	24 γ Gem	43.1	−30 32	6.5	B8	CMa d
21.5	−15 3	6.4	K2	CMa	28.3	+16 59	6.1	K2	20 Gem d	35.1	+ 2 45	6.3	K1	Mon	43.1	+43 38	5.2	G0	56 ψ^5 Aur d
21.8	−11 30	5.2	K3	CMa	28.3	−13 7	6.2	B2	CMa	35.2	+39 26	5.5	K5	57 Aur	43.3	−23 25	6.2	K0	CMa
21.9	−21 33	5.7	K5	CMa	28.4	+11 17	6.1	B2	Mon d	35.2	+29 2	5.5	A	53 Aur	43.5	−31 44	5.9	F6	CMa
22.0	+16 5	6.2	G9	Ori	28.6	−50 12	5.3	F2	Pup d	35.2	+ 5 0	6.2	B1	Mon	43.6	−30 54	5.8	B3	CMa d
22.0	−12 56	6.1	B8	CMa	28.6	−56 49	5.2	G9	Pic	35.3	−41 31	6.2	K0	Col	43.7	−14 45	5.3	A2	CMa
22.0	−56 21	5.6	A	ν Pic	28.7	+15 56	6.4	A5	19 Gem	35.3	−38 6	6.0	G5	Col	43.8	+ 8 39	5.9	B3	16 Mon
22.2	+56 19	var	A	RR Lyn	28.8	−27 44	5.9	B4	CMa	35.3	+39 57	5.3	B8	52 ψ^3 Aur	43.9	+48 51	5.2	K1	57 ψ^6 Aur
22.3	−36 41	5.6	G5	Col d	28.9	+11 50	6.4	B6	Mon	35.4	−12 56	6.1	K0	CMa	44.0	+55 46	5.6	F5	Lyn d
22.5	+58 27	5.3	K4	5 Lyn	29.0	+11 35	5.1	A4	Mon	35.5	−36 57	5.7	B9	Col	44.2	−80 46	5.6	A4	ζ Men
22.5	−52 9	6.0	G5	Car	29.1	−12 21	5.3	K3	CMa	35.7	−18 12	4.4	K1	8 ν^3 CMa	44.3	−52 9	6.3	G5	Car
22.5	+23 21	6.0	A0	Gem	29.2	+32 30	var	A	WW Aur	35.8	+42 32	4.8	K3	50 ψ^2 Aur	44.3	−10 3	5.6	A0	Mon
22.5	+ 7 7	var	F7	T Mon	29.4	−40 53	6.2	K2	Col	35.8	− 2 30	6.2	K2	Mon	44.5	+18 5	6.1	A2	Gem
22.5	+70 34	5.9	A2	Cam d	29.4	− 8 7	5.4	K2	Mon	35.9	−32 18	5.3	K0	CMa	44.5	−37 43	6.2	B3	Pup
22.6	+14 45	var	N	BL Ori	29.4	−35 13	5.8	G0	Col	36.0	+ 1 40	6.1	O9	Mon	44.6	−14 22	5.3	B8	11 CMa
22.7	−63 39	6.2	M1	Pic	29.6	+11 42	6.0	K0	Mon d	36.1	+22 5	6.2	G9	Gem	44.6	+ 8 6	4.8	K4	17 Mon
22.7	+ 1 32	6.4	A0	Ori	29.7	+ 4 54	5.8	K0	12 Mon	36.2	−43 9	3.2	B8	ν Pup	44.6	−73 4	6.4	K0	Vol
22.7	− 0 55	5.9	F8	Mon	29.8	−23 23	4.3	B0	4 ξ^1 CMa	36.4	−16 50	5.9	A0	CMa	44.8	−52 21	5.7	K0	Car
22.8	−28 45	6.2	G0	CMa	29.8	−36 54	6.3	M1	Col	36.4	+28 19	5.9	B6	54 Aur	44.9	−20 58	6.0	B8	12 CMa
22.8	−52 40	−0.7	F0	α Car	29.9	−65 32	6.3	F2	Dor	36.5	+24 39	6.4	F5	Gem	45.3	− 8 57	5.3	M1	Mon
23.1	−69 57	5.6	K5	π^1 Dor	29.9	− 5 50	5.6	A	Mon	37.0	+13 2	5.9	A3	Gem	45.3	+ 2 28	4.5	K0	18 Mon
23.1	−40 15	6.3	B9	Col	30.1	−51 47	5.6	F0	Car	37.0	−14 6	4.8	K3	CMa	45.4	−70 23	6.1	K2	Vol
23.2	+ 2 18	6.5	B9	Mon	30.2	+ 7 22	4.5	A0	13 Mon	37.3	−52 53	6.5	K5	Car	45.6	−37 52	5.2	B9	χ Pup
23.3	− 3 52	6.4	G5	Mon	30.4	+33 4	6.4	A2	Aur	37.3	−48 10	4.9	G6	Pup d	45.7	−54 38	6.4	G5	Car
23.6	− 7 52	6.4	A2	Mon	30.4	+55 24	6.4	K0	7 Lyn	37.5	−61 29	6.2	G0	Pic d	45.7	−51 13	5.4	K2	Car
23.6	−60 15	5.8	A0	Pic	30.4	−11 8	6.4	K0	CMa	37.5	−23 39	6.0	A0	CMa	45.7	+67 38	5.0	B3	42 Cam
23.7	−52 47	6.3	K0	Car	30.6	−37 39	5.3	G8	Col	37.7	+79 37	5.5	F6	Cam	45.8	− 1 16	5.7	F2	Mon
23.7	−35 2	6.2	K0	Col	30.7	−61 51	6.1	B3	Pic	37.8	−30 25	5.7	K0	CMa	46.3	−55 29	5.6	K2	Car
24.1	+47 26	6.3	B9	Aur	30.8	+14 12	5.4	K2	Gem	37.8	+ 6 25	6.5	B5	Mon	46.4	+32 40	5.7	K4	Gem
24.1	−63 24	6.4	G0	Pic	30.8	−32 0	5.7	B3	CMa d	38.2	+28 15	6.4	G5	25 Gem	46.5	+ 1 4	6.1	B3	Mon
24.1	− 4 34	6.1	B3	Mon	31.1	− 1 11	5.1	B6	Mon	38.2	+ 9 57	4.6	O7	15 S Mon d	46.7	−15 5	5.4	B6	CMa d
24.1	− 1 29	5.7	A7	Mon	31.2	−58 43	5.8	B9	μ Pic d	38.3	+35 59	6.2	F5	Aur	46.8	− 2 13	5.6	B8	Mon
24.3	+32 36	6.3	K0	Aur	31.3	−20 53	6.4	G5	CMa	38.5	+16 27	6.1	A0	Gem	47.0	+16 16	5.7	B8	33 Gem
24.3	− 7 29	6.3	A0	Mon d	31.5	−38 35	6.4	K0	Col	38.5	+11 4	6.3	M1	Mon	47.2	+41 51	5.0	K3	58 ψ^7 Aur
24.4	−48 9	5.8	B9	G Pup	31.6	+73 44	6.2	F2	Cam	38.5	+ 0 33	5.8	B8	Mon	47.6	+13 28	5.7	K3	35 Gem
24.6	−63 48	6.2	B5	Pic	32.1	+28 4	5.1	B9	49 Aur	39.3	+ 6 24	6.4	O6	Mon	47.7	−24 1	6.2	A1	CMa d
24.7	+ 0 20	5.2	K1	Mon	32.1	+ 7 37	6.4	A0	14 Mon	39.4	+44 34	5.0	K5	55 ψ^4 Aur	47.7	−61 53	3.3	A5	α Pic
24.7	− 0 15	5.8	K5	Mon	32.1	−36 12	5.4	M0	Col	39.5	−47 38	6.5	M1	Pup	48.0	−32 27	4.0	B2	13 χ CMa
24.7	+ 2 56	5.5	G9	Mon	32.2	−52 17	6.2	G5	Car	39.5	+17 42	5.1	A2	26 Gem	48.1	−17 1	5.8	K0	CMa
25.0	+20 32	6.1	A2	16 Gem	32.5	+10 2	5.9	K5	Mon	39.6	− 9 7	5.2	M0	Mon	48.3	− 0 29	5.8	F2	Mon
25.2	−25 49	6.1	F9	CMa	32.7	+ 0 56	5.7	B8	Mon	39.6	−40 18	6.1	B3	Pup d	48.3	− 7 59	6.2	A	Mon
25.4	+30 32	var	G0	48RT Aur	32.7	−32 41	5.6	B8	CMa	39.8	+37 12	6.1	K0	Aur	48.3	+68 57	5.1	B7	43 Cam
25.5	− 4 44	5.1	B2	10 Mon	32.7	+78 2	5.8	K5	Cam	40.2	+53 21	6.2	K0	Lyn	48.3	−46 34	5.1	F5	Pup
25.5	+10 20	6.1	K0	Mon	33.0	−22 56	4.5	A0	5 ξ^2 CMa	40.5	+ 3 5	6.2	K0	Mon	48.5	−31 39	5.6	B8	CMa d
25.6	+16 16	6.2	G5	Gem	33.1	+38 29	var	G5	UU Aur	40.6	−38 20	6.3	A3	Pup d	48.5	−45 23	6.5	K0	Pup
25.7	+ 1 57	6.3	B9	Mon	33.1	+61 32	5.9	G7	8 Lyn	40.7	−22 24	6.2	F0	CMa d	48.6	+21 49	5.2	A2	36 d Gem
25.8	+27 0	6.4	F5	Aur	33.4	+ 4 32	6.5	B8	Mon	40.8	+36 10	6.3	A2	Aur	48.6	−25 43	6.2	B3	CMa
25.9	−69 40	5.4	G5	π^2 Dor	33.4	+56 54	5.8	A0	11 Lyn	40.9	+25 11	3.1	G8	27 ε Gem	48.7	+59 31	5.4	G0	14 Lyn

6^h					6^h–7^h					7^h					7^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$48.^m7$	$-50^\circ33'$	2.9	K0	τ Pup	$55.^m5$	$-35^\circ26'$	6.2	F8	Pup	$2.^m9$	$+34^\circ33'$	5.4	G3	Aur	$11.^m6$	$-63^\circ\ 6'$	6.0	A0	Car
48.8	−53 34	4.4	G3	A Car	55.6	+38 7	6.0	K2	62 Aur	2.9	+ 9 16	6.0	F0	Mon	11.6	−27 16	6.1	B3	CMa
49.0	+23 40	5.6	K5	Aur	55.7	+70 53	5.7	K4	Cam	3.4	−56 40	5.3	A0	Car	11.6	+24 58	5.9	M1	52 Gem
49.0	+ 3 6	6.2	A0	Mon	55.7	+26 9	6.0	F4	39 Cam	3.5	−10 35	6.5	B0	Mon d	11.7	−22 49	6.3	B3	CMa d
49.1	−34 18	5.0	K0	Pup	55.7	−27 28	6.1	B3	CMa	3.7	−34 42	6.1	F0	Pup d	11.7	− 3 49	6.1	K5	Mon
49.4	−60 11	6.1	F5	Pic	55.9	+ 7 41	6.3	A2	Mon	3.9	−40 34	6.5	G0	Pup	11.7	+ 3 12	5.5	K0	CMi
49.5	+44 54	6.0	A5	Aur	56.1	−27 6	6.2	B3	CMa	4.0	−50 17	6.5	K0	Pup	11.7	−45 6	4.9	A	L^1 Pup
49.5	+34 1	3.6	A3	34 ϑ Gem	56.3	+ 3 40	6.0	G8	Mon	4.1	−30 35	6.4	B3	CMa	11.8	+12 12	5.7	G6	CMi
49.6	+38 56	6.0	A7	59 Aur d	56.4	+25 59	6.3	B8	40 Gem	4.1	+34 5	6.0	K4	Aur	11.9	− 9 52	6.1	K3	Mon
49.7	+35 51	6.0	G5	Aur	56.5	−25 21	5.6	B3	CMa	4.3	−12 19	6.5	O8	CMa	12.0	−30 15	6.3	B4	CMa
49.8	+38 30	6.2	F5	60 Aur	56.6	−34 3	5.0	B5	t Pup	4.3	+28 15	6.2	B9	Gem	12.0	−44 33	var	M5	L^2 Pup
49.9	− 5 15	6.3	K0	Mon	56.6	+ 7 23	6.4	B8	Mon	4.3	−38 18	6.1	G0	Pup	12.1	−10 14	6.0	B0	Mon
49.9	−36 10	6.0	A2	Pup	56.7	−28 54	1.5	B2	21 ε CMa d	4.3	−11 13	5.4	B0	CMa d	12.1	+47 20	5.6	G0	Lyn
50.1	+ 8 27	5.8	A5	Mon	56.8	−30 56	6.4	B8	CMa	4.3	+22 47	var	S3	R Gem	12.2	−26 16	4.4	B3	27 CMa
50.2	−48 14	6.2	K0	Pup	57.2	−45 42	6.2	A0	Pup	4.5	+ 4 59	6.0	B8	Mon	12.8	−26 41	3.8	B3	28 ω CMa
50.5	+38 34	6.2	B9	61 ψ^8 Aur	57.4	+16 9	5.6	K4	41 Gem	4.8	−24 53	6.2	K2	CMa	12.8	−26 57	5.8	K4	CMa
50.6	+11 4	6.2	G9	Mon	57.5	−21 32	6.2	B8	CMa	4.9	+33 55	6.3	K1	Aur	12.8	− 0 4	6.4	G5	24 Mon
51.1	−42 27	6.5	F2	Pup	57.7	−56 19	6.4	F2	Car	5.0	−26 35	6.4	B1	CMa	12.9	+ 8 4	5.8	M4	CMi
51.1	−18 58	5.6	A7	CMa	57.7	−55 39	6.3	K0	Car	5.0	−86 57	6.5	F2	Oct	13.3	−48 11	4.8	B8	Pup
51.2	−18 52	6.2	A2	CMa	57.8	− 5 18	6.4	F8	Mon	5.1	+ 7 53	5.7	K0	CMi	13.3	−41 20	6.1	B8	Pup
51.3	−43 55	6.4	B9	Pup	58.0	−20 5	6.1	B8	CMa	5.2	+37 32	6.2	K1	Aur	13.3	−46 46	5.8	A	Pup
51.4	−20 10	4.8	B1	15 CMa	58.0	− 8 20	5.8	B9	Mon	5.3	−23 46	5.8	B1	CMa	13.4	−10 30	6.1	K0	Mon
51.6	−28 28	6.0	G5	CMa	58.0	+32 29	6.4	F0	Gem	5.5	−40 49	5.9	B9	Pup	13.4	−30 36	5.3	B5	CMa
51.6	+45 54	6.4	K0	Aur	58.2	−22 3	6.5	B4	CMa	5.5	+16 1	5.4	G8	45 Gem	13.6	+52 13	5.9	K1	Lyn
51.6	+43 58	6.0	F0	Aur	58.3	− 9 8	6.5	B1	Mon	6.0	−51 53	6.0	G5	Car	13.7	−23 39	6.3	A0	CMa
51.7	− 5 47	6.4	A3	Mon d	58.7	−28 25	6.4	F8	CMa	6.4	−26 19	1.8	F8	25 δ CMa	14.0	−15 30	5.4	A2	CMa
51.7	−54 2	6.5	K0	Car	59.0	+ 4 53	6.4	A0	Mon	6.4	−68 45	6.5	K0	Vol	14.2	−52 25	6.0	G5	Car
51.8	+13 15	4.6	F0	38 e Gem d	59.0	−25 9	5.8	B3	CMa	6.7	−23 58	6.5	B3	CMa	14.5	−23 14	4.9	M0	CMa d
51.9	−24 29	6.2	A1	CMa	59.3	+ 5 38	6.5	B2	Mon	7.0	−10 16	6.2	O6	Mon	14.6	+40 58	5.7	A3	64 Aur
51.9	−11 58	4.1	K4	14 ϑ CMa	59.3	− 1 16	6.2	K0	Mon	7.1	+21 20	6.3	G7	Gem	14.6	−27 47	4.6	M3	CMa
51.9	− 1 4	5.4	A	Mon	59.4	+24 17	5.2	G5	42 ω Gem	7.2	−39 34	4.8	B3	A Pup	14.6	+ 6 46	6.4	B9	CMi
52.0	−59 17	6.4	A2	Car	59.4	+15 25	5.7	K1	Gem	7.3	−16 9	6.0	B1	CMa	14.7	+49 33	4.8	A3	Lyn
52.0	−70 54	5.4	B6	τ Vol	59.5	− 5 39	5.4	M2	Mon	7.7	−25 9	5.8	B3	CMa	14.8	−38 14	5.8	B5	Pup
52.1	−24 7	3.8	K3	16 o^1 CMa	59.5	+17 50	6.0	M1	Gem	7.7	− 4 9	4.9	K0	20 Mon	14.8	−46 41	5.7	K5	Pup
52.2	− 1 42	6.2	B3	Mon	59.6	−51 20	5.0	M1	Car	8.0	−18 36	6.2	F0	CMa	14.9	+31 3	6.0	B9	Gem
52.2	+25 26	5.7	G0	37 Gem	59.7	+16 45	5.9	M2	Cem	8.0	+30 20	4.3	K2	46 τ Gem	15.0	−30 48	6.2	A	CMa d
52.5	− 2 44	6.0	G6	Mon	59.7	−27 52	3.5	M0	22 σ CMa	8.2	+71 54	6.3	K0	Cam	15.0	−36 30	5.0	B2	Pup
52.8	−50 33	6.2	G9	Pup	59.8	−79 21	5.4	A0	ϑ Men	8.2	+39 24	4.9	K4	63 Aur	15.1	− 6 35	6.4	K2	Mon
52.8	+77 3	4.6	K4	Cam	59.9	−67 51	5.2	K2	Vol	8.3	+26 56	5.6	A4	47 Gem	15.2	+16 38	3.6	A3	54 λ Gem
52.8	+46 20	5.8	B8	ψ^9 Aur	0.3	−58 52	6.0	F0	Car	8.3	−27 25	5.6	G7	CMa	15.4	−37 0	2.7	K5	π Pup
52.9	+ 8 23	6.3	A0	Mon	0.3	+29 25	5.9	G8	Gem	8.8	− 0 13	5.4	A8	21 Mon	15.8	−26 42	6.3	B5	CMa
52.9	−42 18	6.0	G8	Pup	0.4	− 4 10	4.9	B1	19 Mon	9.2	−70 25	3.7	G8	γ Vol d	16.0	+81 21	6.1	B9	Cam
52.9	−20 20	5.7	A2	17 CMa d	0.6	+ 9 13	6.0	A2	Mon	9.2	+ 5 44	6.1	A0	CMi	16.5	−43 54	6.0	B9	Pup
53.0	+57 38	6.0	K3	Lyn	0.7	−43 20	6.4	A0	Pup	9.3	− 0 25	4.1	A0	22 δ Mon	16.5	−36 39	4.8	B3	v^1 Pup
53.0	+58 29	4.4	G5	15 Lyn	0.9	+11 2	5.1	K3	Mon	9.4	+24 13	5.7	F4	48 Gem	16.6	−24 28	var	O7	29 UW CMa
53.2	+46 46	5.9	K0	Aur	0.9	−23 46	3.0	B3	24 o^2 CMa	9.4	−48 51	5.1	K1	Pup	16.6	−24 52	4.4	O9	30 τ CMa d
53.5	−20 4	4.6	F2	19 π CMa d	1.1	+12 40	6.0	K5	Gem	9.5	+ 5 34	6.2	G5	Mon	16.8	+ 2 50	4.4	G9	CMi
53.7	−22 53	5.3	B3	CMa	1.1	+20 39	var	F7	43 ζ Gem	9.5	+51 31	5.5	M3	Lyn	16.8	−26 30	5.4	G0	CMa
53.7	+10 1	5.9	B7	Mon	1.4	+47 51	6.3	B9	Lyn	9.5	−20 48	5.7	A0	CMa	16.8	−19 11	6.1	F0	CMa
53.7	+33 45	5.9	G2	Cem	1.5	−15 33	4.1	B8	23 γ CMa	9.7	+27 19	6.4	F6	Gem d	16.9	−39 7	5.2	A1	F Pup
53.8	−13 59	5.0	G5	18 μ CMa d	1.6	−10 3	6.4	B8	Mon	10.1	−30 44	6.1	A5	CMa	16.9	−36 39	5.1	B3	v^2 Pup
53.9	−16 59	4.4	B3	20 ι CMa	1.6	− 5 15	5.6	K3	Mon	10.2	−25 51	5.9	B3	26 CMa	16.9	−67 52	4.0	F8	δ Vol
54.0	+45 10	4.9	A2	16 Lyn	1.7	+52 50	6.2	A2	Lyn d	10.4	−27 23	6.4	A2	CMa	17.1	+ 7 14	5.9	F8	CMi
54.0	+31 43	6.4	B8	CMa	1.7	+ 1 34	5.6	K3	Mon	10.5	+16 15	5.1	M4	51 Gem	17.1	+22 5	3.5	F0	55 δ Gem d
54.6	− 8 7	6.4	F5	Mon	2.3	+22 43	5.9	B9	44 Gem	10.6	−40 25	5.3	A	E Pup	17.2	−16 18	var	F1	R CMa
54.6	+11 58	6.1	F0	Gem	2.4	−43 32	5.5	G3	Pup d	10.7	−36 28	6.0	B5	Pup d	17.3	+15 14	6.4	A2	Gem
54.9	−48 39	4.9	M1	Pup	2.5	−42 16	5.2	A	C Pup	10.8	−11 10	6.0	K0	CMa	17.4	−33 38	6.4	K0	Pup
55.0	−35 16	6.3	K0	Pup	2.5	−59 6	5.5	B9	Car d	11.1	−46 40	4.5	F0	1 Pup	17.7	+45 19	5.6	A7	Lyn
55.1	−22 8	6.5	B8	CMa	2.6	−49 31	5.1	A2	H Pup	11.3	−22 35	6.2	K2	CMa	17.8	+87 8	5.1	M2	Cep
55.5	−24 34	5.4	F0	CMa	2.7	−21 57	6.2	K0	CMa	11.6	+59 44	5.2	K2	18 Lyn	17.9	+60 0	6.2	A	47 Cam

7^h α	δ	mag	sp	const	7^h α	δ	mag	sp	const	7^h α	δ	mag	sp	const	7^h α	δ	mag	sp	const
18.7	−14° 16′	5.7	G5	CMa	25.6	+81° 0′	6.5	G7	Cam	33.9	− 8° 12′	6.4	K2	Mon	41.1	+25° 54′	5.2	K5	76 c Gem
18.7	+36 51	5.0	G8	65 Aur	25.7	+68 34	5.7	K2	Cam	33.9	+40 8	6.5	M	Lyn	41.3	−58 31	6.4	B5	Car
18.8	−22 45	6.5	B3	CMa	25.9	+31 53	4.2	F0	62 ρ Gem	33.9	+ 5 58	5.9	F8	CMi	41.4	−35 56	5.6	B8	Pup
18.8	+55 23	5.2	B8	19 Lyn d	25.9	+15 13	6.0	B9	Gem	34.0	−22 3	6.5	G5	Pup	41.4	−45 3	5.0	G5	Pup
18.8	+39 6	6.4	K0	Aur	26.0	−29 3	5.5	A	Pup	34.2	+48 53	5.8	A3	Lyn	41.4	+24 31	3.6	G8	77 α Gem d
18.9	− 8 47	6.5	F5	Mon	26.1	+49 47	5.4	F6	22 Lyn	34.4	−52 25	4.9	K2	Q Car	41.4	+12 59	6.4	K0	CMi
18.9	−26 52	5.8	B3	CMa	26.2	+28 13	5.0	A6	64 Gem	34.5	−19 35	5.7	B2	Pup	41.5	−28 17	4.6	K5	1 Pup
19.0	+20 32	5.1	M0	56 Gem	26.6	−37 42	6.5	A1	Pup	34.8	− 4 0	5.1	F5	25 Mon	41.5	+ 2 32	6.3	F0	CMi
19.0	−25 48	5.9	M4	CMa	26.7	+28 1	4.9	K2	65 b Gem	35.0	−55 47	6.4	G5	Car	41.8	−28 50	4.0	A3	3 l Pup
19.2	−52 13	5.8	F2	Car d	26.8	− 1 48	5.8	K5	Mon	35.2	−23 40	6.3	F0	Pup	41.9	+65 35	5.9	K2	51 Cam
19.4	−51 59	5.5	B9	Car	26.9	−31 45	6.1	B3	Pup d	35.2	+24 28	6.2	F0	Gem	41.9	−38 5	6.4	B7	Pup
19.5	+ 0 16	5.9	B8	CMi	27.0	−10 13	5.7	K5	Mon	35.3	+35 10	5.5	G5	70 Gem	41.9	+62 57	6.3	F0	49 Cam
19.6	− 8 53	6.4	O9	Mon	27.0	− 7 27	5.9	F9	Mon	35.3	−48 43	5.7	B9	Pup	41.9	−58 7	6.2	K0	Car
19.8	− 2 53	6.3	F5	Mon	27.0	+12 7	4.7	K2	6 CMi	35.3	−14 20	6.5	B9	Pup	42.0	−40 49	5.2	K3	Pup
20.0	− 5 53	5.8	F3	Mon	27.1	−14 53	6.0	F4	Pup d	35.5	−34 51	4.5	B8	f Pup	42.2	+20 26	6.3	A0	79 Gem
20.0	−18 55	5.0	B7	CMa	27.2	−31 21	5.8	B2	Pup	35.9	+34 42	4.9	F3	71 o Gem	42.3	+28 9	1.2	K0	78 β Gem
20.4	+25 9	5.0	G8	57 A Gem	27.4	−38 42	5.4	B3	y Pup	36.0	−37 54	6.3	K2	Pup	42.3	−35 57	5.8	F2	Pup
20.5	+23 3	6.0	A1	58 Gem	27.6	−43 12	3.2	K5	σ Pup d	36.2	+24 20	5.9	A2	Gem	42.4	−72 29	3.9	K0	ζ Vol d
20.7	+40 46	5.1	K0	66 Aur	27.7	−22 55	4.9	A5	Pup	36.2	−25 15	4.7	B9	m Pup	42.5	−24 33	5.6	B1	Pup
20.7	+82 31	var	M4	VZ Cam	28.4	− 5 7	6.4	K0	Mon	36.4	−74 10	6.5	B9	Vol d	42.8	−37 49	5.9	B8	Pup
21.1	+51 59	5.8	K5	Lyn	28.4	− 9 40	var	F8	U Mon	36.6	+17 47	5.1	M0	74 f Gem	43.2	−14 34	5.6	A0	2 Pup d
21.1	−31 50	5.4	B5	CMa	28.4	−78 59	5.5	K2	ε Men	36.7	+ 5 21	0.3	F5	10 α CMi	43.2	+18 38	4.9	K5	81 g Gem
21.4	+27 44	5.6	F0	59 Gem	28.5	−64 24	6.4	K5	Vol	36.7	+57 12	6.1	K5	23 Lyn	43.3	−37 46	6.5	B5	Pup
21.5	−27 44	5.1	K2	CMa	28.5	+39 0	6.4	A2	Aur	36.7	+32 8	6.1	F0	Gem	43.3	+37 38	5.3	M3	Lyn
21.6	+15 37	6.3	B3	Gem	28.8	−30 51	4.6	G1	Pup	36.8	−26 41	3.8	B8	k Pup d	43.5	−37 51	3.6	K0	c Pup
21.6	−32 6	5.4	B3	CMa	28.8	−52 33	5.9	G9	Car	36.8	−38 40	6.2	G5	Pup	43.5	+10 53	5.2	A1	11 CMi
22.1	−29 12	2.4	B5	31 η CMa	28.9	+17 12	5.5	K2	Gem	36.9	+38 28	5.7	M0	Lyn	43.6	− 6 39	5.5	K5	Mon
22.2	−35 44	6.3	B8	Pup	29.4	−54 18	5.9	K5	Car	36.9	−48 29	5.6	F	Pup	43.6	−14 26	5.0	A6	4 Pup
22.2	−22 49	6.2	B8	CMa	29.5	+ 2 1	5.2	A8	7 δ^1 CMi	36.9	−18 34	6.4	B9	Pup	43.7	−43 38	6.0	B5	Pup
22.2	+11 46	5.3	A4	1 CMi	29.6	−36 3	6.5	B5	Pup	36.9	−36 23	5.8	B5	Pup	43.7	−34 4	5.4	G0	Pup
22.4	−16 6	5.3	B3	CMa	29.7	− 8 46	5.9	F5	Mon d	37.4	−26 45	6.2	B8	Pup	44.3	+33 32	5.1	M0	80 π Gem
22.5	+66 26	6.3	B9	Cam	29.8	+23 0	6.3	K0	Gem d	37.5	+ 5 21	5.8	A0	CMi d	44.4	−69 42	6.2	A0	Vol
22.6	+27 54	3.8	K0	60 ι Gem	30.6	−35 51	6.3	B9	Pup	37.5	+48 15	5.6	G6	d^1 Lyn	44.4	−37 49	5.9	B9	Pup
22.6	−18 55	6.3	A2	CMa	30.6	+ 3 24	5.6	A5	8 δ^2 CMi	37.7	−38 12	4.8	B3	d^1 Pup	44.4	−12 33	6.4	B9	Pup
22.8	−31 43	5.4	K2	CMa	30.8	+15 56	5.1	A1	68 Gem	37.8	−53 9	6.0	A0	Car	44.4	−65 57	6.4	G5	Vol
22.8	−13 39	5.8	F0	CMa	31.1	−14 14	6.2	B1	Pup	38.0	−38 1	5.7	B5	d^2 Pup	44.5	−56 36	6.1	F0	Car
22.9	+ 9 23	5.0	G8	2 ε CMi	31.1	−24 36	5.8	A3	Pup	38.0	+13 53	6.4	K0	Gem	45.4	−15 52	6.0	K+M	Pup v
22.9	+49 19	4.4	A1	21 Lyn	31.1	−19 18	5.8	K3	Pup	38.0	+23 8	6.0	K5	Gem	45.4	−39 12	6.3	B9	Pup
23.0	−37 11	6.3	A3	Pup d	31.3	+10 41	6.2	B9	CMi	38.0	−19 33	6.1	K0	Pup	45.4	−22 24	5.9	B1	Pup
23.2	−21 53	5.9	A5	CMa	31.4	+32 0	1.6	A1	66 α Gem d	38.0	−38 9	5.8	B3	d^3 Pup	45.6	+23 16	6.1	F3	82 Gem
23.3	−25 7	5.8	B9	CMa	31.5	−14 25	5.0	M2	Pup	38.1	−15 9	5.2	K3	Pup	45.6	−12° 4′	5.5	F5	5 Pup d
23.4	− 5 40	6.0	G3	Mon	31.5	−39 57	6.2	B9	Pup	38.1	−77 31	6.2	K2	Cha	45.6	−38 23	5.1	B3	Pup d
23.6	− 4 26	6.5	B9	Mon	31.6	−42 59	6.4	K0	Pup	38.2	− 8 4	6.0	A2	Mon	46.0	−25 49	4.5	B0	o Pup
23.7	+10 43	6.2	A2	CMi	31.6	+ 3 29	5.8	A0	9 δ^3 CMi	38.2	−37 27	6.0	B3	Pup	46.0	−46 23	5.3	B1	Pup
23.8	−31 38	6.3	B4	CMa	31.9	−22 11	4.4	F7	Pup	38.8	+58 50	5.0	A3	24 Lyn	46.2	+13 30	6.1	K0	Gem
23.9	+21 38	6.4	F4	Gem	32.0	+31 4	5.2	K0	Gem	38.9	−31 34	6.5	G0	R Pup	46.4	−40 32	6.0	M1	T Pup
23.9	+11 7	6.3	B6	CMi	32.0	−36 14	5.6	B3	Z Pup	38.9	− 9 26	3.9	K0	26 α Mon	46.8	−46 57	4.7	K0	Q Pup
24.0	+20 22	5.8	A6	61 Gem	32.2	+ 2 50	6.4	A	CMi	39.0	+ 3 45	5.9	A0	CMi	46.9	−24 47	5.3	G3	Pup
24.4	+ 8 23	2.8	B7	3 β CMi	32.2	−23 22	5.2	F4	n Pup d	39.1	+13 36	5.9	M1	Gem	47.2	−13 14	6.1	B9	Pup
24.6	−23 37	6.5	A1	CMa	32.3	−33 21	6.1	F0	Pup	39.2	+14 20	5.6	M3	Gem	47.2	+54 15	6.0	F6	Lyn
24.8	+21 33	5.2	F5	63 Gem d	32.4	+43 9	6.2	F0	Lyn d	39.2	−22 13	6.4	M1	Pup	47.2	−24 44	3.3	G3	7 ξ Pup
24.8	−34 2	6.0	B5	Pup	32.4	−26 0	6.5	A0	Pup	39.5	+34 7	6.0	F0	Gem	47.3	−56 21	6.2	K0	Car
24.9	−22 59	5.5	B0	CMa	32.5	−26 54	5.8	G8	Pup	39.5	−38 25	6.2	B8	Pup	47.4	−35 7	6.1	A0	Pup
24.9	−17 46	5.7	A5	CMa	32.7	+55 52	5.9	K2	Lyn	39.8	−44 31	6.4	B9	Pup	47.4	−17 6	5.5	K3	6 Pup
25.1	−50 55	5.1	G8	Car	32.8	+27 1	4.1	M0	69 υ Gem	40.2	+29 0	4.2	K1	75 σ Gem	47.6	−20 5	6.5	G0	Pup
25.1	+48 17	5.5	B9	Lyn d	32.9	+46 18	5.6	M0	Lyn	40.2	−38 25	6.2	B8	Pup	47.7	−33 10	5.7	K5	Pup
25.3	+ 7 3	5.3	F0	5 η CMi	33.2	−44 35	6.4	K2	Pup	40.3	+50 33	5.3	A0	Lyn	47.7	−46 44	5.8	B2	Pup
25.4	+ 9 2	4.5	K3	4 γ CMi	33.4	−28 15	4.6	B8	p Pup d	40.4	+22 31	6.2	K0	Gem	47.7	−46 15	4.1	B0	P Pup
25.5	−11 27	5.8	G8	CMa d	33.4	−51 22	6.3	A0	Car	40.5	+ 0 19	6.2	K0	CMi	47.8	− 9 3	5.8	K3	Mon
25.6	−22 45	5.7	B8	Pup	33.8	−14 23	5.6	B2	Pup d	40.7	−26 14	5.8	G8	Pup	47.8	+33 22	6.0	A	Gem

7^h					$7^h - 8^h$					8^h					8^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
47.9	-19°24'	6.4	K0	Pup	56.3	-45°27'	5.2	K4	0 Pup	4.7	+51°39'	4.9	A2	27 Lyn	12.3	-35°20'	5.8	K1	Pup
47.9	-44 37	6.3	K0	Pup	56.6	-63 10	6.1	B8	Car	4.8	+21 44	5.4	G2	10 μ Cnc	12.8	-45 41	6.0	B3	Vel d
48.0	-56 17	5.5	K0	Car	56.8	+13 23	6.0	K2	Cnc	5.1	-45 7	5.0	M0	Vel	13.3	+75 55	5.6	G6	Cam
48.1	+80 24	6.5	G8	Cam	56.8	-49 7	var	B2	V Pup d	5.1	-20 25	5.4	A3	Pup	13.7	+59 44	5.5	A5	29 Lyn
48.2	+ 3 24	6.2	K1	CMi	56.9	-60 10	5.6	G2	Car	5.2	+84 13	6.4	A0	Cam	13.8	+ 9 20	3.5	K4	17 β Cnc
48.4	-60 10	5.8	F2	Car	57.0	-23 10	5.1	K2	12 Pup	5.4	-24 10	2.9	F6	15 ρ Pup	13.8	+11 53	var	M7	R Cnc
48.6	-11 0	6.3	K0	Mon	57.0	-51 19	6.4	F0	Car	5.9	+13 47	6.2	F3	12 Cnc	13.9	-30 46	6.3	G5	Pup d
48.6	+55 20	6.3	A0	Lyn	57.0	+79 37	5.3	A0	Cam	6.0	+42 35	6.3	K3	Lyn	13.9	-50 18	6.4	K2	Vel
48.9	-24 24	6.4	A0	Pup	57.2	+59 11	5.7	F2	Cam	6.0	+58 24	6.5	K4	Lyn	14.1	-35 45	6.2	K2	Pup
49.0	-50 23	5.8	K5	Pup	57.2	- 3 33	4.9	K2	27 Mon	6.1	- 2 50	4.4	G2	29 ζ Mon d	14.4	+54 18	6.2	K5	Lyn
49.0	+19 27	6.0	K1	Gem	57.3	-65 46	6.4	K5	Vol	6.5	-20 13	6.4	A	Pup	14.5	-62 46	5.2	A2	C Car d
49.1	+ 1 54	5.1	B8	13 ζ CMi	57.4	-45 5	6.0	B5	Pup	6.6	-11 12	6.3	B9	Mon	14.8	+ 9 1	6.2	G8	Cnc
49.1	-44 27	6.4	K0	Pup	57.5	+60 28	6.0	A	53 Cam	6.8	-37 32	6.4	B5	Pup	15.0	+62 40	5.7	G5	UMa
49.3	-12 41	6.5	F2	8 Pup	57.6	-18 16	4.6	A3	Pup	6.8	-19 6	4.4	B5	16 Pup	15.1	+82 35	6.1	A0	Cam
49.4	-66 4	5.8	B9	Vol	57.3	-39 10	5.2	F6	Pup	7.2	-16 6	5.7	B3	Pup	15.1	-16 8	6.3	A0	21 Pup
49.5	-13 46	5.2	G1	9 Pup	57.8	-49 50	5.8	B5	Pup d	7.3	-35 18	6.2	G5	Pup	15.2	+72 34	6.0	M0	UMa d
49.5	-21 3	5.6	G8	Pup	57.9	+19 57	6.1	K1	Gem	7.4	+25 40	5.7	G6	14 ψ Cnc	15.9	-29 51	6.4	G6	Pup
49.7	-42 58	6.3	B3	Pup	57.9	+25 32	5.8	G8	2 ω Cnc	7.7	-48 32	5.9	B8	Vel	16.0	-12 28	6.0	G8	Pup
50.0	-14 43	5.7	F3	10 Pup	57.9	+17 27	5.6	K3	3 Cnc	7.8	-63 39	6.3	B8	Car	16.4	-35 18	5.7	K2	Pup
50.0	-42 46	6.0	B3	Pup	58.0	-60 41	5.8	B3	Car	7.8	-68 28	4.3	B5	ε Vol d	16.4	+57 54	5.9	F2	30 Lyn
50.3	- 5 18	5.8	F5	Mon	58.0	+23 43	6.4	K1	Cnc	7.9	+68 37	5.4	G8	UMa	16.7	-36 30	4.4	A7	q Pup
50.4	-34 35	5.0	F5	Pup	58.0	+63 14	6.0	G1	Cam	7.9	-43 58	5.2	B3	Vel	16.7	+53 44	6.3	F0	Lyn
50.4	+26 54	5.0	A3	83 φ Gem	58.2	- 2 45	6.5	B3	Mon	8.0	-47 11	1.7	B	γ Vel d	16.9	-10 1	6.3	A5	Hya
50.5	-40 27	3.7	G5	a Pup	58.6	+ 5 1	5.6	A0	CMi	8.1	+38 53	6.4	G0	Lyn	16.9	-59 1	6.4	F8	Car
50.9	+47 31	6.2	K2	25 Lyn	58.7	+16 36	5.9	B9	5 Cnc	8.1	-42 30	6.4	A0	Pup d	17.0	+27 23	5.1	F8	18 χ Cnc
50.9	-38 44	4.5	B3	b Pup	58.7	+35 33	6.1	K0	Lyn	8.2	+14 47	6.1	A2	Cnc	17.2	+ 4 6	6.0	G5	Hya
51.1	+47 42	5.6	K4	26 Lyn	58.7	- 1 15	4.7	K4	28 Mon	8.2	-61 9	4.8	F7	B Car	17.4	+20 54	5.8	K1	Cnc
51.2	-36 14	5.5	K0	Pup	58.7	+25 14	6.2	A1	4 Cnc	8.2	-47 47	5.4	B3	Vel	17.6	-34 26	6.4	B9	Pup
51.3	-54 14	5.7	B2	Car	58.8	-60 27	5.2	M0	Car	8.3	-13 39	5.5	F7	18 Pup	17.6	+24 11	5.9	B9	19 λ Cnc
51.7	-49 29	4.6	B2	Pup	58.8	-60 4	6.3	B8	Car	8.4	-55 56	5.8	A3	Car	17.7	- 0 45	6.2	G0	Hya
51.8	-47 58	4.2	B1	J Pup	58.8	-48 51	6.0	A2	Pup	8.6	+ 9 58	6.1	B7	Cnc	17.8	-65 27	5.1	K0	Vol
52.3	-35 45	5.5	B5	Pup	59.0	-48 44	6.2	A	Pup	8.9	-12 47	4.7	K0	19 Pup	17.8	- 5 10	6.1	K2	Hya
52.4	+56 38	6.5	A0	Cam	59.1	+ 9 3	6.0	F5	CMi	9.1	- 7 37	5.4	G8	Hya	18.3	-22 46	6.1	K0	Pup
52.4	+35 33	6.1	A	Lyn	59.6	-54 1	5.9	B8	Car	9.2	-37 9	6.4	B0	Pup	18.5	+60 47	6.4	K0	UMa
52.7	+20 1	5.3	B9	85 Gem	59.7	+ 2 28	4.4	K2	CMi	9.3	+17 48	4.6	G	16 ζ Cnc d	18.8	- 1 27	6.4	A0	Hya
52.8	-34 43	6.1	K2	Pup	59.7	-63 26	4.8	B3	D Car	9.6	-39 28	4.4	K	h^1 Pup	19.1	-19 55	5.6	G2	Pup
52.8	+ 9 0	5.8	F4	CMi	59.8	-37 9	6.0	A3	Pup	9.6	+14 9	6.3	A5	Cnc	19.4	-32 54	4.8	K1	w Pup
53.7	-52 27	6.4	B9	Car	59.9	-73 6	6.3	A2	Vol	9.7	-48 19	5.9	B3	Vel	19.4	+43 21	4.3	K5	31 Lyn
53.8	+ 4 37	6.2	G8	CMi	0.0	- 6 12	6.3	G0	Mon	9.7	-42 50	4.7	A3	Pup d	19.5	-36 19	5.2	B3	Pup
53.9	-57 10	5.6	K4	Car	0.2	-54 23	6.0	B4	Car d	9.9	+56 36	5.8	G9	Lyn	19.6	-39 28	6.2	A4	Pup
54.1	-43 43	6.0	B5	Pup	0.3	-36 55	6.3	M1	Pup	10.1	+29 48	5.6	A	15 Cnc	19.6	-17 26	5.7	K1	Pup
54.2	+15 56	5.8	K3	1 Cnc	0.4	-55 19	6.3	B8	Car	10.2	+16 40	6.0	K0	Cnc	19.9	-76 40	4.1	F6	α Cha
54.3	+74 3	5.4	K3	Cam	0.5	+27 56	4.9	K2	χ Gem	10.4	-43 15	6.4	K2	Pup	20.0	-71 21	5.4	B9	x^1 Vol
54.4	-30 9	6.4	M4	Pup	1.0	-41 10	5.5	B9	Pup d	10.4	-46 30	var	F8	AH Vel	20.0	+53 23	5.5	A2	Lyn
54.6	+ 8 47	6.0	K0	CMi	1.1	-32 19	5.8	G8	Pup d	10.7	+23 17	6.4	A3	Cnc	20.0	- 6 1	6.2	A3	Hya
54.7	-40 36	6.5	B3	Pup	1.8	-42 48	6.2	K0	Pup	10.7	-29 46	6.5	A2	Pup	20.1	-57 49	6.1	B1	Car
54.7	+ 1 16	6.3	F6	CMi	1.8	-39 52	2.2	O5	ζ Pup	10.9	-46 7	6.0	B4	Vel	20.2	-71 21	5.6	A	x^2 Vol d
54.7	-22 45	4.2	F8	11 j Pup	1.9	+18 59	6.1	B9	Cnc	11.0	-37 46	6.4	A3	Pup	20.4	-12 54	6.3	G7	22 Pup
54.8	+44 7	6.3	K0	Lyn	2.3	+13 16	5.1	A0	8 Cnc	11.0	-15 38	5.0	G5	20 Pup	20.4	-63 57	6.1	K0	Car
55.3	-42 16	6.0	K2	Pup	2.3	-32 32	5.4	M1	Pup	11.3	+17 50	6.4	F0	Cnc	20.5	- 7 23	6.2	M1	Hya
55.3	-43 22	5.4	B3	Pup	2.5	-19 35	6.1	B3	14 Pup	11.6	+13 12	6.4	G8	Cnc	20.5	+18 30	5.8	F0	20 d Cnc
55.4	+ 7 21	6.3	B9	CMi	2.6	+27 40	6.1	A0	Gem d	11.6	-35 45	4.8	B3	r Pup	20.7	-26 11	5.9	F2	Pup
55.5	-60 24	5.7	K2	Car	3.3	-50 27	6.0	K0	Vel	11.6	+60 32	6.3	A7	UMa d	21.0	-48 20	4.8	B1	B Vel
55.5	-52 51	3.5	B2	χ Car	3.3	+22 47	6.0	M3	9 Cnc	11.7	-33 25	6.4	K2	Pup	21.2	+10 48	6.2	M2	21 Cnc
55.7	+16 39	6.0	K0	Cnc	3.7	+43 24	6.2	A0	28 Lyn	12.0	-46 50	5.3	B5	Vel	21.3	+42 10	6.1	K5	Lyn
55.7	-30 12	4.8	A2	Pup	3.8	-52 58	5.5	K2	Car	12.1	-36 11	4.8	B5	Pup v	21.4	-38 7	6.3	M1	Pup
55.7	-43 58	5.1	B3	N Pup	3.8	-46 50	6.2	B5	Vel	12.1	-50 3	5.4	K6	Vel	21.5	-59 21	1.9	K0	ε Car
55.8	+ 2 22	5.3	K0	14 CMi	3.8	-33 26	6.0	G5	Pup d	12.2	-46 26	6.5	B3	Vel	21.5	-51 58	5.9	A0	Vel
55.8	-47 45	6.2	B5	Pup d	4.0	-62 42	6.3	B4	Car	12.2	-31 59	6.0	B3	Pup	21.9	+35 10	6.1	K0	Lyn
55.9	-58 59	6.0	K5	Car	4.0	- 9 6	6.0	A0	Mon d	12.3	-40 12	4.4	K0	h^2 Pup	22.1	- 3 35	5.6	F2	1 Hya

8^h α	δ	mag	sp	const
22.1	− 4 33	6.0	F2	Hya
22.2	−77 19	4.3	K0	ϑ Cha
22.5	−73 14	5.3	A1	η Vol
22.7	−22 59	5.7	A2	Pup
22.9	−23 53	5.5	K5	Pup d
23.0	+ 2 16	5.7	K5	$_2$Hya
23.0	+17 13	6.1	F4	25 d Cnc
23.1	−20 53	6.0	F2	Pup
23.2	− 3 45	3.9	A0	30 C Hya
23.2	−42 36	6.0	B3	Pup
23.2	+ 7 44	5.1	G8	Cnc d
23.4	−17 17	6.4	K0	Pup
23.4	+28 4	5.6	K5	22 φ^1Cnc
23.6	−14 46	6.0	A2	Pup
23.7	+24 42	6.5	F6	24 Cnc
23.8	+27 6	5.6	A4	23 φ^2Cnc d
24.0	− 3 49	5.4	F0	2 Hya
24.0	+12 49	5.6	M3	27 Cnc
24.1	−51 34	5.2	B3	Vel d
24.1	−41 59	5.5	B3	Pup
24.1	+45 49	6.3	G4	Lyn
24.3	−12 22	5.5	K2	Pup
24.5	−38 54	6.2	A0	Pup d
24.8	− 6 15	6.5	F5	Hya
25.0	−52 39	6.1	A0	Vel
25.1	+67 28	6.0	G7	UMa
25.2	−64 26	6.0	G5	Vol
25.2	−65 58	3.8	K2	β Vol
25.3	−31 30	6.3	K0	Pyx
25.3	−20 41	6.4	A1	Pyx
25.7	+24 19	6.0	A5	28 Cnc
25.8	+14 23	5.9	A5	29 Cnc
25.9	− 8 39	6.5	K0	Hya
26.0	− 2 21	6.4	F0	Hya
26.1	−34 57	5.7	B3	Pyx d
26.1	+60 53	3.4	G5	1 o UMa
26.2	−54 51	6.4	A0	Car
26.2	−52 55	5.1	F3	F Vel
26.4	−22 54	6.5	A2	Pyx
26.4	− 9 35	6.0	F2	Hya
26.7	−20 47	6.5	B8	Pyx
27.2	−69 56	5.5	A0	Vol
27.4	−27 10	6.5	B9	Pyx
27.4	−80 45	5.7	K0	Cha
27.4	−44 0	5.9	B3	Vel
27.5	−47 46	5.3	B5	A Vel d
27.8	−44 33	5.2	B3	Vel d
28.0	+69 29	6.3	K0	UMa
28.1	+37 26	6.0	B8	Lyn
28.1	−46 10	6.1	B8	Vel
28.3	−55 1	6.4	G0	Car
28.5	−31 59	5.6	K2	Pyx
28.6	+24 15	5.6	A9	30 υ^1Cnc
28.7	+18 16	5.3	M1	31 ϑ Cnc
29.0	−44 34	6.5	B5	Vel
29.3	−19 24	5.4	A0	Pyx
29.6	−38 54	6.3	B5	Vel d
29.6	−47 42	6.5	B4	Vel
29.7	+38 11	5.9	K2	Lyn
29.8	+20 37	5.4	K3	33 η Cnc

8^h α	δ	mag	sp	const
29.9	+10 14	6.2	A0	34 Cnc
30.0	+24 15	6.4	G9	32 υ^2Cnc
30.1	+65 19	5.4	A	2 A UMa
30.2	−54 13	6.3	K2	Car
30.2	+36 36	6.1	F1	32 Lyn
30.2	−14 52	6.4	A5	Hya
30.7	−53 2	5.8	K0	Vel
30.9	−31 20	6.4	K0	Pyx
30.9	−24 26	6.2	A7	Pyx
31.0	+13 26	6.3	K0	Cnc
31.0	−34 28	6.2	K0	Pyx
31.0	+75 54	6.2	A	Cam
31.1	−46 52	6.5	K2	Vel
31.1	+ 4 56	5.9	G5	Hya
31.5	−38 12	6.5	B3	Vel
31.5	− 1 59	5.6	A1	Hya
31.5	+36 36	5.7	A2	33 Lyn
31.5	+ 8 37	5.9	F0	Cnc
31.8	−38 41	6.0	B8	Vel
31.9	−46 48	6.3	K2	Vel
32.5	+19 46	6.5	G0	Cnc
32.5	−32 25	6.4	G5	Pyx
32.6	−37 26	6.2	K5	Vel
32.8	+ 2 55	6.3	G9	Hya
33.0	− 7 49	5.7	A	3 Hya
33.1	−73 11	6.1	K0	Vol
33.2	+ 6 48	5.7	F6	Hya d
33.2	−49 46	5.0	G7	C Vel
33.3	+15 29	6.2	A5	Cnc
33.4	−26 40	6.0	A2	Pyx
33.4	−39 48	6.5	G1	Vel
34.1	−58 3	5.2	B3	e^1Car
34.1	−57 50	4.8	G9	e^2Car
34.2	+73 48	6.1	G7	Cam
34.4	−50 48	5.8	B9	Vel
34.4	+ 9 50	5.9	A3	36 c Cnc
34.6	+53 35	5.7	G6	UMa
34.8	+65 12	5.6	G0	3 π^1UMa
35.0	− 4 46	6.2	K0	Hya
35.0	+ 5 53	4.1	A0	4 δ Hya
35.1	+60 7	6.4	A0	UMa
35.2	+32 59	5.9	K2	Cnc
35.4	+ 9 45	6.4	A0	37 Cnc
35.5	−33 34	6.5	A5	Pyx
35.5	−39 58	6.5	G1	Vel
35.6	+52 53	5.9	K1	UMa
35.7	−26 5	5.3	A0	η Pyx
35.9	+64 30	4.6	K2	4 π^2UMa
35.9	− 6 29	6.5	A2	Hya
35.9	−42 49	4.1	A9	e Vel
36.1	+ 3 31	4.4	K2	5 σ Hya
36.4	−19 34	6.3	K5	Pyx
36.4	−62 41	5.5	K0	Car d
36.7	+ 8 12	6.4	K1	Cnc
36.9	−22 29	5.0	G6	Pyx
37.2	+32 7	6.0	F2	Cnc
37.2	+20 10	6.4	K0	39 Cnc
37.3	−52 55	6.4	B9	Vel
37.5	−36 26	6.1	F3	Pyx
37.5	+19 51	6.4	K0	Cnc

8^h α	δ	mag	sp	const
37.6	+46 1	5.4	G8	34 Lyn
37.6	+19 43	6.3	A	41 ε Cnc d
37.6	−29 23	5.0	G4	ζ Pyx
37.7	−12 18	5.0	K4	6 a Hya
38.0	−53 16	5.5	B5	Vel
38.1	−35 8	4.0	G4	β Pyx
38.2	−60 8	6.4	A0	Car d
38.5	−40 5	5.2	B9	Vel d
38.5	−52 53	5.2	B5	Vel d
38.6	− 8 52	6.5	A0	Hya
38.9	−52 45	3.6	B3	o Vel
38.9	−45 1	5.7	K5	Vel
38.9	−70 12	5.2	A0	ϑ Vol
39.0	−46 28	3.9	F2	b Vel d
39.4	−15 46	4.9	K1	9 Hya
39.5	−59 35	4.3	B1	d Car
39.5	+47 5	6.1	G5	Lyn
39.5	−48 45	5.9	B2	Vel
39.5	−57 22	6.3	A2	Car
39.6	−47 8	4.8	A5	n Vel
39.8	−11 47	6.4	A2	Hya
40.2	−45 14	5.2	B5	Vel
40.4	+21 39	4.7	A1	43 γ_1 Cnc
40.5	+12 52	5.7	A9	45 A^1Cnc
40.6	+ 3 35	4.3	B3	7 η Hya
40.6	−47 55	5.5	B3	Vel
40.9	−52 55	5.5	A	Vel
41.0	+37 6	6.3	F2	Lyn
41.0	−52 56	4.8	B4	Vel
41.0	−35 46	6.4	A1	Pyx
41.0	−55 36	6.3	K0	Car
41.2	− 7 3	4.6	G2	F Hya
41.4	+ 4 31	6.2	B8	Hya
41.6	−33 0	3.7	B2	α Pyx
41.8	+18 20	4.1	K0	47 δ Cnc
42.0	+10 16	5.7	A	49 b Cnc
42.1	−49 38	5.2	B0	D Vel
42.3	+30 53	6.1	G5	46 Cnc
42.4	+ 5 52	6.1	A3	10 Hya
42.6	−42 28	4.0	G5	d Vel
42.7	−20 59	6.1	A2	Pyx
42.8	− 2 25	6.0	F5	Hya d
42.9	−36 58	5.8	B8	Pyx
43.1	−78 47	5.5	B9	η Cha
43.3	−54 31	2.0	A0	Vel
43.4	−68 2	6.3	K2	Vol
43.5	− 1 52	5.8	K0	Hya
43.7	−25 12	6.1	A0	Pyx
43.7	+28 57	4.1	G8	48 ι Cnc d
43.7	−10 49	6.5	K5	Hya
43.8	−65 39	6.0	A2	Vol
43.9	−58 32	6.2	B8	Car d
44.0	−13 22	4.3	G8	12 D Hya
44.1	+ 6 36	3.4	G0	11 ε Hya
44.2	+12 18	5.6	A1	50 A^2Cnc
44.3	+66 54	6.2	B8	UMa
44.3	−45 51	3.9	A0	a Vel
44.6	−40 56	6.2	A0	Vel
44.7	− 1 42	5.2	A2	Hya
44.8	−45 44	5.5	B3	Vel

8^h α	δ	mag	sp	const
44.8	−34 26	6.4	B3	Pyx
45.0	−78 53	6.0	A5	Cha
45.4	−56 35	4.6	B2	f Car
45.6	− 6 22	6.2	K0	Hya
45.6	−45 58	5.8	F2	Vel
45.8	+ 6 1	4.3	A0	13 ρ Hya
45.9	−41 33	6.4	G0	Vel
46.3	−42 17	6.4	B8	Vel
46.5	−52 40	6.4	B9	Vel
46.8	− 3 15	5.2	A	14 Hya
47.4	+33 28	6.1	F7	Cnc
47.5	−20 52	6.5	A3	Pyx
47.8	−40 8	5.5	A2	Vel
47.8	−79 19	5.8	K2	Cha
47.8	−32 36	5.2	G5	Pyx
47.9	+19 1	6.1	A0	Cnc
47.9	−29 17	6.0	G7	Pyx
48.0	−38 57	6.4	A2	Vel
48.1	−45 7	5.0	A2	g Vel
48.2	+15 32	6.2	G2	54 Cnc
48.2	−28 26	6.2	B9	Pyx
48.4	−27 31	4.0	K4	γ Pyx
48.5	−41 54	6.1	B2	Vel
48.6	+43 55	5.2	K0	35 Lyn
48.8	+45 30	6.1	K1	Lyn
48.9	−46 20	5.1	B0	f Vel
48.9	+42 12	6.0	K2	Lyn
49.1	− 6 59	5.5	A	15 Hya d
49.2	+59 15	6.2	F2	UMa
49.3	+62 9	5.7	F0	5 b UMa
49.5	+28 27	6.1	M3	53 Cnc
49.5	+32 40	5.8	A	51 σ^1Cnc
49.6	+28 31	5.9	K0	55 ρ^1Cnc
49.7	−42 19	6.5	A2	Vel
49.8	+ 5 32	6.3	A3	Hya
49.9	−72 22	6.1	A2	Vol
49.9	−66 36	5.3	F4	Vol
50.1	−13 3	6.2	K0	Hya
50.3	−57 27	5.6	B8	Car
50.4	−32 19	6.5	K2	Pyx
50.8	+35 44	6.0	A3	Lyn
50.9	−38 32	5.8	M0	Vel
51.0	−48 10	6.1	B6	Vel
51.2	+30 46	5.5	G7	57 Cnc d
51.2	−51 56	6.4	A0	Vel d
51.7	−56 28	6.0	A0	Car
51.8	− 5 15	6.0	G3	Hya
52.0	−40 15	6.5	K0	Vel
52.2	−47 20	5.3	A	Vel
52.4	+64 48	5.6	G3	6 UMa
52.6	+17 25	var	N3	X Cnc
52.7	−60 10	5.8	B5	Car
52.7	+28 7	5.2	G8	58 ρ^2Cnc
52.8	+ 6 8	3.1	K0	16 ζ Hya
52.9	−18 3	5.9	K0	Hya
53.0	− 7 47	6.0	A	17 Hya d
53.2	+11 49	5.6	K5	60 Cnc
53.3	+40 24	5.8	F3	Lyn
53.4	−27 29	4.9	A3	δ Pyx
53.5	+45 49	5.7	K1	Lyn

8^h– 9^h					9^h					9^h					9^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
53.6	−44°51′	6.2	B3	Vel	5.0	+32°45′	6.3	F2	Cnc	13.4	−45°21′	6.2	A0	Vel	24.2	−61°44′	5.8	A2	Car d
53.6	−58 3	6.4	B5	Car	5.0	−72 24	4.5	F6	G Car	13.6	−38 22	4.9	K0	l Vel	24.5	−40 17	6.2	A3	Vel
53.7	−23 38	6.4	A3	Pyx	5.0	+10 52	5.2	A	76 κ Cnc	13.7	−37 12	4.6	F5	k Vel	24.6	−28 34	6.1	B8	Pyx
53.8	−54 46	5.7	F8	Vel	5.1	−55 36	6.1	B5	Vel	13.9	−58 11	6.0	B7	Car	24.7	−53 10	5.1	B5	I Vel
53.9	+33 6	5.4	A3	59 σ² Cnc	5.2	−64 18	6.4	K0	Car	14.2	−57 22	6.3	K0	Car	24.8	− 9 0	6.5	A0	29 Hya
53.9	−60 27	3.8	B8	c Car	5.2	−70 20	4.7	B2	E Car	14.2	+47 2	5.7	A1	UMa	25.0	−22 7	4.7	K3	G Hya
54.0	+ 4 26	6.1	G5	Hya	5.3	+84 23	6.2	F2	Cam	14.2	− 6 9	5.2	K2	23 Hya	25.1	− 8 26	2.0	K4	30 α Hya
54.2	−16 31	6.2	K0	Hya	5.4	+51 48	4.5	A	15 f UMa	14.2	−44 41	6.0	B5	Vel	25.3	− 5 51	5.4	G2	Hya
54.3	+17 20	6.2	K1	Cnc	5.6	−51 1	6.5	K5	Vel	14.2	− 8 32	5.5	B9	24 Hya	25.4	+45 49	5.4	G5	UMa
54.5	+15 31	5.1	A3	62 o Cnc	5.8	+34 5	5.9	G0	Lyn	14.5	−44 3	5.1	K	Vel	25.6	−34 47	6.5	A3	Ant
54.8	+15 46	5.6	A5	63 Cnc	5.9	−25 39	4.6	M0	κ Pyx	14.8	−14 22	5.8	K0	Hya	25.7	−64 43	6.0	A3	Car
54.8	−52 32	4.7	B5	H Vel d	5.9	+26 50	5.8	G3	75 Cnc	14.8	−57 20	4.3	K5	g Car	25.8	+ 9 17	5.4	F8	2 ω Leo
54.9	+30 26	6.1	F3	61 Cnc	6.0	+67 20	4.8	F7	13 σ² UMa	15.0	−39 11	5.3	K5	Vel	25.8	+ 8 24	5.7	K0	3 Leo
55.0	+ 9 35	6.2	G8	Cnc	6.2	−43 14	2.3	K5	λ Vel	15.1	+11 43	6.3	A3	Cnc	25.9	−80 34	5.4	F2	ι Cha
55.3	+36 0	6.4	A1	Lyn	6.3	− 8 23	5.6	B8	19 Hya	15.4	+35 35	5.7	A4	Lyn d	26.2	+55 58	6.4	F2	UMa
55.6	+ 1 44	6.4	A0	1 Hya	6.5	+22 15	5.1	K0	77 ξ Cnc	15.7	+37 1	3.8	A3	38 Lyn d	26.5	− 1 2	6.3	A5	Hya
55.8	−59 2	5.1	B3	b Car d	6.5	−26 34	6.1	A	Pyx	15.8	−59 4	2.2	F0	ι Car	26.6	− 2 33	4.6	F6	31 τ¹ Hya
55.8	+12 3	4.2	A	65 α Cnc	6.8	−18 8	5.7	A0	Hya	16.2	−54 17	6.3	K0	Vel	26.6	−71 23	5.5	K2	Car
55.8	+48 14	3.1	A7	9 ι UMa d	6.8	−12 9	5.8	G6	Hya	16.4	−50 50	5.2	B9	K Vel	26.9	− 1 59	6.1	A3	Hya
56.3	−48 23	5.9	G9	Vel	6.8	+63 43	4.6	A	14 τ UMa	16.6	−68 29	5.4	F5	Car	26.9	−20 32	6.0	M1	Hya
56.4	−15 56	5.8	F9	Hya	7.1	+11 46	6.4	F0	Cnc	17.0	−66 50	6.1	K0	Car	27.0	− 4 2	6.4	G5	Hya
56.5	+32 37	5.5	G9	64 σ³ Cnc	7.1	− 8 35	5.4	G6	20 Hya	17.1	−51 21	5.9	B7	Vel	27.2	−35 44	4.5	K4	ε Ant
57.1	−28 37	6.2	G5	Pyx	7.5	+22 12	5.9	G5	79 Cnc	17.2	−15 37	5.8	K4	Hya	27.3	−38 11	6.2	A2	Ant
57.2	−47 2	5.2	F0	Vel	7.6	+31 10	var	M6	RS Cnc	17.3	+51 29	6.0	F3	UMa d	27.5	−62 3	5.9	K0	Car
57.4	−19 1	6.3	F8	Hya	7.8	−30 10	5.6	A	ε Pyx d	17.4	−11 46	4.8	G8	26 Hya	27.5	−66 29	5.9	A0	Car
57.4	+41 59	4.0	F5	10 UMa	8.1	−49 13	6.5	A3	Vel	17.5	−74 41	5.3	A0	Car d	27.6	−23 8	6.2	K0	Hya
58.1	+67 50	4.8	M3	8 ρ UMa	8.1	−22 58	6.5	A0	Pyx	17.5	−74 31	5.9	A0	Car	27.6	+63 17	3.6	F0	23 h UMa d
58.2	−58 54	5.2	F4	b² Car	8.4	−51 53	6.3	K0	Vel	17.7	−33 53	6.4	B8	Pyx	27.7	−26 22	5.5	K3	Ant
58.2	−41 3	4.4	F8	w Vel	9.2	+71 52	6.3	G8	UMa	17.9	+38 24	5.8	F3	Lyn d	27.7	+33 53	5.8	G8	LMi
58.3	+32 27	5.8	A3	66 Cnc d	9.3	−44 40	5.0	B3	Vel	18.0	−54 58	6.3	B7	Vel	28.0	−15 21	5.8	K3	Hya
58.5	+39 55	6.2	F0	UMa	9.3	+ 5 40	6.3	F0	Hya	18.0	+34 36	3.1	M0	40 α Lyn	28.4	−51 18	5.4	B5	Vel
58.5	−42 59	6.1	B2	Vel	9.6	+15 12	6.5	G7	81 Cnc	18.0	− 9 21	4.8	G8	27 P Hya d	28.5	+35 20	5.4	M1	8 LMi
58.8	+28 6	6.0	A5	67 Cnc	9.6	+ 4 4	6.0	A0	Hya	18.1	+56 55	5.8	M4	UMa	28.6	−31 40	6.0	A0	ζ¹ Ant d
58.9	+ 5 50	6.1	K1	Hya	9.7	−58 46	3.4	B2	a Car	18.4	+33 7	6.1	K3	Cnc	28.7	−40 15	3.6	F2	ψ Vel
59.0	−26 28	6.4	K0	Pyx	9.7	−19 33	5.7	G9	Hya	18.5	−37 22	6.1	K0	Vel	28.9	+23 11	4.4	K5	4 λ Leo
59.4	− 0 17	5.7	K0	Hya	9.7	−39 3	6.0	B8	Vel	18.5	+15 35	6.4	A0	Cnc	28.9	−58 8	5.9	M1	Car
59.5	−41 40	5.5	B5	Vel	9.8	−46 23	5.8	B2	Vel	18.6	−15 24	6.3	F6	Hya	29.2	−10 20	6.1	A5	Hya
59.6	−60 46	5.8	K0	Car	10.0	− 6 54	6.0	A2	21 Hya	19.3	−25 45	4.7	M1	ϑ Pyx	29.3	+11 31	5.7	K0	5 ξ Leo
59.8	+24 39	5.5	A	69 ν Cnc	10.1	−62 7	4.0	B3	i Car	19.7	−62 11	4.8	G7	k Car	29.3	+ 9 56	5.1	K3	6 h Leo d
0.1	+ 7 30	5.8	K3	Hya	10.4	+61 38	5.2	F6	16 c UMa	19.9	−41 59	5.6	M1	Vel	29.4	−31 39	5.9	F0	ζ² Ant
0.2	−39 12	6.3	K0	Vel	10.5	+43 26	5.2	A1	36 Lyn	20.3	−55 18	5.6	A3	Vel	29.4	− 0 58	4.6	A3	32 τ² Hya
0.2	−51 59	5.2	B9	Vel	10.7	−43 24	5.6	B8	Vel d	20.6	−54 48	2.5	B2	κ Vel	29.5	−35 29	5.9	K0	Ant
0.2	+47 21	3.7	A0	12 κ UMa	10.8	+21 29	6.1	A2	Cnc	20.6	−45 50	5.7	G5	Vel	29.5	−10 8	6.1	K0	Hya
0.4	+54 29	5.6	A2	UMa	10.9	+73 9	6.0	A2	UMa	20.6	+25 24	6.4	G2	Leo	29.5	+51 54	3.2	F6	25 ϑ UMa
0.6	−68 29	5.9	K6	Vol	11.4	−42 4	6.3	K0	Vel	20.6	−39 34	6.5	K0	Vel	29.7	−56 49	3.1	K5	N Vel
1.2	+28 6	6.3	A0	70 Cnc	11.5	−38 25	6.3	A0	Vel	21.0	−28 37	4.7	G7	λ Pyx	29.8	+49 40	6.5	A3	UMa
1.6	−53 21	6.4	B9	Vel	11.6	−59 12	5.5	G5	Car	21.3	+36 48	6.4	A5	Lyn	30.0	−19 11	5.7	A4	Hya
1.7	−66 12	4.0	A5	α Vol	11.8	+ 2 32	3.9	B5	22 ϑ Hya	21.5	+51 47	6.3	G0	UMa	30.1	+70 3	4.6	G2	24 d UMa
1.9	+32 35	6.4	A5	Cnc	11.8	−47 8	5.9	B9	Vel	21.7	+64 9	6.3	K2	UMa	30.1	+ 2 5	6.1	F5	Hya
2.0	+48 44	5.4	F1	UMa	12.1	+56 57	5.3	K5	17 UMa	21.7	−37 33	6.5	A2	Vel	30.1	−28 24	var	F0	S Ant
2.4	−46 54	3.7	K2	c Vel	12.2	+34 50	6.0	G6	Lyn	21.7	+26 24	4.6	K2	1 κ Leo	30.1	+81 33	4.4	K3	Dra
2.9	+59 33	6.1	A0	UMa	12.3	−43 56	5.8	B5	Vel	22.1	−60 5	6.3	K1	Car	30.2	+72 26	5.7	F6	22 UMa
3.3	+ 5 18	5.1	K2	18 ω Hya	12.5	+15 9	5.4	K1	82 π Cnc	22.3	−39 13	6.0	A4	Vel	30.3	−40 26	5.3	K0	Vel
3.4	+38 39	4.6	G8	UMa	12.5	−43 1	5.2	B5	z Vel d	22.3	−51 31	6.1	A7	Vel	30.4	+28 35	6.3	A3	Leo d
3.5	−57 39	6.4	A3	Car d	12.6	+54 14	4.8	A5	18 e UMa	22.7	+75 19	6.2	A2	Dra	30.4	+36 43	6.3	K4	9 LMi
4.0	+67 5	5.2	K5	11 σ UMa	12.7	−69 31	1.7	A1	β Car	22.8	+16 48	6.1	G9	Cnc	30.5	−13 18	5.9	K5	Hya
4.3	−85 28	5.4	F0	ζ Oct	12.8	−76 27	6.1	K1	Cha	22.8	−61 26	6.0	G8	Car	30.5	−66 30	6.3	K0	Car
4.4	+ 1 40	6.2	M1	Hya	12.8	−55 22	5.3	K0	Vel	22.9	− 4 54	5.6	K5	28 Hya	30.6	− 8 17	6.3	K0	Hya
4.6	+23 11	6.3	F4	Cnc d	13.0	−37 24	5.8	G0	Vel	23.2	−43 46	6.5	M	Vel	30.9	− 6 58	6.4	K0	Hya
5.0	+29 51	5.3	G8	72 τ Cnc	13.1	−14 49	6.3	A0	Hya	23.8	− 1 15	6.0	K3	Hya	30.9	−20 54	5.0	K0	Hya

9^h					9^h					9^h-10^h					10^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$31^m.0$	$-62^\circ 34'$	var	M5	R Car	$41^m.5$	$+79^\circ 22'$	6.1	F0	Dra	$54^m.6$	$+41^\circ 18'$	5.1	F5	19 LMi	$8^m.3$	$+37^\circ 39'$	5.9	K3	LMi
31.1	+47 8	6.4	A5	UMa	41.7	−51 0	6.1	B8	Vel	54.6	−27 14	6.3	A4	Ant	8.3	−68 26	5.8	A0	Car
31.1	−38 54	6.4	F2	Ant	42.0	−27 32	4.8	F7	ϑ Ant	54.8	+45 39	6.4	K0	UMa	8.4	− 8 10	5.8	K2	18 Sex
31.1	+23 41	6.3	K7	Leo	42.0	−53 40	5.6	A0	O Vel	55.1	−54 20	3.5	B5	φ Vel	8.5	−41 28	6.0	K0	Vel
31.2	−22 39	5.9	A0	Hya	42.1	+63 53	6.4	A7	28 UMa	55.3	−71 9	6.3	B0	Car	8.8	− 7 4	6.2	A0	Sex
31.2	+36 37	4.5	G8	10 LMi	42.6	+34 45	var	M7	R LMi	55.4	−52 24	6.1	B3	Vel	8.9	+13 36	6.4	F6	34 Leo
31.2	+74 33	6.3	B9	Dra	43.0	+57 22	5.1	M3	UMa	55.5	+ 8 33	6.0	K3	Leo	9.8	−28 22	6.3	A0	Ant
31.2	−72 52	5.5	K2	H Car	43.0	+24 0	3.0	G0	17 ε Leo	55.5	+12 41	5.2	B9	27 ν Leo	9.9	−58 35	6.4	M4	Car
31.4	+52 17	4.6	A2	26 UMa	43.2	−29 58	6.4	B2	Ant	55.6	+28 0	6.4	F0	Leo	10.0	−57 49	5.7	B2	Car
31.9	−48 47	5.1	B4	Vel d	43.5	+ 6 56	5.8	M1	Leo	55.8	−48 11	6.0	B3	Vel	10.2	+ 4 52	5.7	K0	19 Sex
32.0	+39 51	4.8	K0	Lyn	43.7	+12 2	5.6	K4	18 Leo	55.9	−64 15	6.5	K0	Car	10.3	−18 54	6.4	F5	Hya
32.0	− 5 41	5.7	K1	33 A Hya	43.8	+ 2 1	5.6	F0	Sex	55.9	−68 52	6.2	B4	Car	10.5	−51 55	6.2	K1	Vel
32.3	+40 11	6.5	F2	Lyn d	43.9	−62 17	var	G2	l Car	56.4	+57 3	5.5	K5	UMa	11.0	+27 23	6.0	G2	Leo
32.4	−51 2	5.0	B3	L Vel	44.4	−58 34	6.2	F6	Car	56.7	−35 39	5.2	F0	η Ant	11.0	−26 47	6.2	F0	Hya
32.7	+36 2	5.4	G8	11 LMi	44.6	−44 31	5.5	B3	Vel	56.7	+29 53	5.7	G9	Leo	11.2	−32 47	6.4	G1	Ant
33.0	−59 0	4.1	B5	h Car	44.7	+11 48	6.3	A3	19 Leo	56.8	−23 43	6.2	B5	Hya	11.3	−59 40	6.1	B5	Car
33.1	−35 36	6.5	F5	Ant	44.9	+11 40	var	M8	R Leo	57.1	+ 3 38	6.5	A5	12 Sex	11.4	−50 59	5.3	A5	Vel
33.2	+73 18	6.5	F0	UMa d	45.4	+46 15	5.1	G1	UMa	57.6	+ 8 17	4.7	M2	29 π Leo	11.5	−51 30	5.8	A3	Vel
33.2	+14 36	6.2	A1	7 Leo	45.9	−64 50	3.1	F0	υ Car d	58.1	+32 10	5.4	G4	20 LMi	11.6	−56 20	6.4	K2	Vel
33.2	−19 22	6.3	A1	Hya	46.4	−76 33	5.4	K0	ν Cha	58.9	−56 42	6.5	G5	Vel	11.6	−40 6	5.9	K1	Ant
33.8	+31 23	5.6	M2	Leo	46.5	+65 50	6.2	F0	UMa	59.9	−53 7	6.2	B5	Vel	11.7	+60 14	6.2	M0	U UMa
34.3	+16 40	5.7	K1	8 Leo	47.0	−56 11	6.0	K0	Vel	0.0	+22 11	5.5	B3	Leo	11.7	−61 25	6.4	B3	Car
34.6	+ 7 4	5.0	K1	10 Leo	47.0	+21 25	5.9	A8	20 Leo	0.3	−57 6	6.2	K0	Car	11.7	+21 25	6.1	F5	Leo
34.6	−48 32	6.2	A	Vel d	47.4	−36 57	6.0	K0	Ant	0.4	−60 11	5.9	F0	Car	11.8	−40 4	6.3	K0	Ant
34.8	−25 4	5.7	K1	Ant	47.5	+59 17	3.8	F2	29 υ UMa	0.9	+84 10	6.4	K0	Cam	12.1	−66 7	5.2	A	M Car
35.0	−31 57	5.6	K0	Ant	47.7	−36 2	6.4	K0	Ant	1.2	− 9 20	6.4	K0	Sex	12.2	+31 43	6.4	G3	22 LMi
35.0	−49 8	4.3	A5	M Vel	47.9	+ 4 35	6.2	F2	Sex	1.3	−61 55	6.4	K5	Car	12.6	−69 47	3.3	B7	ω Car
35.1	−52 43	6.2	G5	Vel	48.0	−45 30	5.1	B7	u Vel	1.3	+54 8	5.7	F4	UMa	12.6	−41 52	3.8	A2	q Vel
35.2	+40 28	5.2	A6	42 Lyn	48.3	+13 18	6.5	M0	23 Leo	1.4	−46 24	6.1	A1	Vel	13.2	−36 16	6.2	K0	Ant
35.4	+67 30	6.1	K5	UMa	48.7	− 4 0	6.0	A5	6 Sex	1.4	−59 56	6.2	A5	Car	13.4	+29 34	6.4	G0	24 LMi
35.4	−35 52	6.1	K0	Ant	48.7	+54 18	4.8	A3	30 φ UMa	1.6	+ 3 27	6.3	F3	13 Sex	13.4	−54 43	6.3	B3	Vel
35.4	− 9 12	6.4	A0	34 Hya	48.8	−46 42	6.0	K0	Vel	1.7	−17 52	5.8	A0	Hya	13.4	−42 52	5.8	K2	Vel
35.4	−80 43	5.2	B5	ζ Cha	49.0	+24 38	5.2	A5	22 g Leo	1.9	+52 37	6.1	A2	UMa	13.6	+17 59	6.5	F2	Leo d
35.5	−53 27	5.4	A3	Vel	49.1	−14 37	4.1	G8	39 υ^1 Hya	2.0	−61 38	6.3	B8	Car	13.6	+28 56	6.5	A	Leo
35.8	+ 4 53	4.7	K3	Hya	49.4	−45 58	5.6	K0	Vel	2.0	−24 3	5.8	A8	Hya	13.7	−10 57	6.2	K0	Sex
36.1	−42 58	5.5	G6	y Vel	49.5	−62 31	5.6	G9	Car	2.1	−81 58	5.5	A0	μ Cha	13.8	+23 45	5.9	G2	35 Leo
37.3	− 0 55	3.9	K3	35 ι Hya	49.6	−16 18	6.3	K0	Hya	2.3	−39 44	6.4	K0	Ant	13.9	+73 19	6.4	F0	Dra
37.3	−10 21	6.3	B9	37 Hya	49.6	+ 2 41	6.0	A1	7 Sex	2.7	−12 49	4.6	B8	40 υ^2 Hya	13.9	+71 19	6.1	A	UMa d
37.9	−10 33	6.2	A2	Hya	49.6	+ 0 19	6.3	G9	Sex	3.0	+16 0	6.2	F0	Leo	13.9	+25 37	5.8	K2	Leo
37.9	−14 6	5.1	B5	38 κ Hya	49.6	−59 11	5.8	K2	Car	3.1	−36 8	6.3	K1	Ant	13.9	+23 40	3.4	F0	36 ζ Leo
38.0	−61 6	4.5	B9	m Car	49.7	−46 19	4.6	G4	m Vel	4.2	+ 5 51	6.2	G6	14 Sex	14.0	+13 59	5.5	M1	37 Leo
38.0	+69 28	5.6	G9	UMa	49.9	+26 15	3.9	K2	24 μ Leo	4.2	−47 8	5.1	K0	Vel	14.1	+43 10	3.4	A2	33 λ UMa
38.4	+72 29	5.2	K0	27 UMa	50.0	− 7 52	5.0	A2	8 γ Sex	4.5	+35 29	4.5	A7	21 LMi	14.3	−59 39	6.2	A	Car
38.5	+10 7	3.5	A2	14 σ Leo	50.7	−27 6	6.3	G1	Ant	4.6	+17 0	3.5	A0	30 η Leo	14.4	+65 22	5.7	A3	32 UMa
38.6	+31 30	5.9	K6	Leo	51.1	+ 6 12	6.1	M2	Sex	4.8	−16 54	5.6	K5	Hya	14.5	+23 21	5.8	F3	39 Leo
38.8	+26 8	6.3	K2	13 Leo	51.4	+61 21	6.3	K0	UMa	5.3	+10 15	4.4	K4	31 A Leo	14.7	−50 57	6.3	M5	Vel
38.9	+39 59	5.4	G8	43 Lyn	51.9	−25 42	4.9	K3	Hya	5.4	− 0 8	4.5	A0	15 α Sex	15.1	− 7 49	5.2	F1	22 ε Sex
39.0	−23 22	4.7	B2	I Hya	52.0	−50 55	5.9	B2	Vel	5.4	+31 51	6.1	F5	LMi	15.4	+27 40	6.5	A	Leo
39.2	−57 45	5.3	A2	Car	52.2	−22 15	6.2	A2	Hya	5.7	+12 13	1.4	B7	32 α Leo	15.4	−61 5	3.4	K5	q Car
39.4	+48 40	6.3	A0	UMa	52.3	−45 3	5.7	B4	Vel d	5.9	−37 5	6.4	K0	Ant	15.8	−28 44	5.6	B9	Ant
39.5	−57 2	5.8	G9	Car	52.5	+50 3	5.3	A2	31 UMa	6.2	−15 22	6.3	A0	Hya	15.9	+47 1	6.4	K1	UMa
39.7	+54 36	6.3	A2	UMa	52.5	−18 46	4.9	M1	Hya	6.3	−10 38	6.5	A0	Hya	16.3	−41 25	6.0	A0	Vel
39.7	+35 19	6.0	F1	13 LMi	53.0	−50 0	5.7	A0	Vel	7.0	−51 34	4.8	B2	Q Vel	16.4	+48 39	6.0	K0	UMa
39.9	+78 22	6.3	G5	Dra	53.8	+57 39	5.9	G5	UMa	7.3	−65 34	5.3	G9	Car	16.4	−36 33	6.4	K0	Ant
40.0	−23 41	4.9	G0	Hya	53.8	+ 9 10	5.8	K2	Leo	7.4	−35 37	6.1	F9	Ant	16.8	−55 52	5.8	F7	Vel
40.1	−54 59	6.0	B5	Vel	54.0	+73 7	5.9	K3	UMa	7.5	−11 51	6.2	A2	Hya	16.8	−12 17	6.2	F0	Hya
40.6	−35 16	6.4	B9	Ant	54.0	−40 35	6.4	M1	Vel	7.6	− 8 10	5.9	A0	17 Sex	17.0	+19 44	4.8	F6	40 Leo
40.6	+30 18	5.6	A3	15 f Leo	54.4	−33 11	5.8	K0	Ant	7.7	−12 34	5.3	F5	Hya	17.0	− 4 51	6.4	K0	Sex
40.7	+65 13	6.1	F2	UMa	54.5	−26 19	6.3	A4	Hya	7.8	−61 18	var	K5	S Car	17.0	+54 2	6.4	F8	UMa
41.0	+14 15	5.4	M2	16 ψ Leo	54.5	−51 6	6.4	B3	Vel	8.1	−12 6	3.6	K0	41 λ Hya	17.2	+20 6	2.3	K0	41 γ Leo d

10^h					10^h					10^h					$10^h - 11^h$				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
17.3	+69 0	5.8	F0	UMa	27.4	+56 14	4.8	F8	36 UMa	38.9	- 1 29	6.4	K1	33 Sex	50.1	+70 7	6.5	G9	UMa
17.3	+54 28	6.0	K3	UMa	27.7	- 0 23	5.0	B6	30 β Sex	39.4	-59 25	6.4	N	Car	50.5	-56 58	5.2	A0	**Car**
17.5	- 8 48	6.3	F2	Sex	28.5	- 7 23	6.4	K5	Sex	39.4	+31 58	6.2	M5	LMi	50.5	+34 29	3.8	K0	46 LMi
17.5	-64 25	5.7	A0	Car d	28.5	-26 14	6.5	F5	Hya	39.5	+69 20	5.1	K3	UMa	50.6	+54 51	5.2	K3	44 UMa
17.7	-54 47	4.6	K	Vel	28.5	-13 20	5.5	B9	Hya	40.1	-13 43	6.4	K2	Hya	50.9	- 1 59	6.2	K0	p^1 Leo d
18.2	-47 27	5.6	K0	Vel	28.6	-66 44	6.2	B5	Car	40.3	+26 35	5.4	A5	40 LMi	51.0	-19 52	5.2	F6	b^3 Hya
18.5	+ 2 33	6.5	B3	23 Sex	28.9	-61 6	6.4	M1	Car	40.4	-32 27	5.6	A0	Ant	51.1	+43 27	4.8	A1	45 ω UMa
18.8	-47 19	6.4	K5	Vel	29.0	+32 38	5.8	A0	33 LMi	40.5	-64 12	4.8	B3	Car	51.2	- 1 52	5.7	G6	p^1 Leo
19.0	-55 47	4.5	B3	J Vel d	29.0	-71 44	4.7	A2	K Car	40.6	+57 28	5.8	B9	39 UMa	51.5	-58 35	3.8	K0	u Car
19.1	-23 28	6.5	A3	Hya	29.4	-53 28	4.9	F7	Vel d	40.6	+46 28	5.2	F0	UMa	51.5	-56 9	6.5	K2	Vel
19.2	+15 14	6.1	A1	42 Leo	29.5	-27 59	6.0	F5	Hya	40.7	+23 27	5.0	A2	41 LMi	51.9	-79 18	6.3	K2	Cha
19.2	+41 29	5.8	F6	UMa	29.5	+14 24	5.5	M2	48 Leo	40.7	-58 57	5.4	B3	Car	51.8	-13 29	5.6	G4	Crt
19.2	-22 17	6.4	A0	Hya d	29.8	-44 49	5.6	B8	s Vel d	40.8	+ 5 1	6.0	K3	35 Sex d	52.0	+25 45	6.1	A	48 LMi
19.4	+41 45	3.0	M0	34 μ UMa	29.9	-72 58	4.9	K5	Car	41.2	-64 8	2.8	O9	ϑ Car	52.1	-70 27	6.0	B8	Car d
19.8	-19 37	6.1	A0	Hya	30.2	+ 9 34	3.8	B1	47 ρ Leo	41.4	-79 31	6.0	B5	Cha	52.2	+34 2	5.7	G7	LMi
20.2	-41 24	4.8	K1	r Vel	30.2	-61 26	3.6	B5	p Car	41.6	+20 1	6.0	A3	Leo	52.5	-61 34	5.9	K5	Car
20.2	+34 10	5.7	A3	27 LMi	30.3	+40 41	4.8	K7	UMa	41.6	+67 40	var	N	VY UMa	52.7	-41 59	6.1	A0	Vel
20.4	+ 6 48	6.2	K3	43 Leo	30.4	-44 22	5.9	K0	Vel	41.6	-60 18	4.6	K	w Car	52.9	+25 1	4.3	A1	54 Leo d
20.6	+65 49	4.9	A	UMa	30.6	+53 45	6.4	A0	UMa	42.1	-63 59	5.8	B3	Car	53.0	+33 46	5.1	K1	46 UMa
20.6	+ 5 57	6.4	F2	Sex	30.7	+35 15	5.5	A2	34 LMi	42.3	-63 42	4.8	B5	Car	53.1	+ 1 0	6.0	F3	55 Leo
20.9	+29 52	6.3	K0	LMi	30.7	-46 45	5.0	K4	t Vel d	42.6	+ 2 45	6.4	K4	36 Sex	53.4	+42 17	6.0	K2	UMa
20.9	- 3 49	6.1	A	25 Sex	30.9	+75 58	4.9	K0	Dra	42.8	-70 36	5.6	A4	Car v	53.4	+ 6 27	5.9	M5	56 Leo
20.9	-29 55	6.3	F0	Ant	30.9	-58 25	6.0	A2	Car	43.1	-72 11	6.3	F8	Car	53.6	+22 37	6.1	K2	Leo
21.3	+33 58	5.6	K1	28 LMi	31.5	-57 56	6.1	B5	Car	43.1	+30 57	5.3	B9	42 LMi	53.9	+25 46	6.2	K0	50 LMi
21.3	-37 45	5.3	A4	Ant	31.6	-23 29	5.1	K4	44 Hya	43.1	-59 25	var	Pec	η Car	54.4	-36 52	4.6	G5	ι Ant
21.5	-66 39	5.0	B8	L Car	32.0	+57 20	5.2	F1	37 UMa	43.3	+57 38	6.3	M1	41 UMa	54.9	-50 30	5.9	A3	Vel
21.5	-41 42	6.3	K0	Vel	32.2	+ 7 13	5.1	G8	48 Leo	43.5	+ 6 38	6.2	K1	Leo	55.8	-59 28	var	G0	U Car
21.6	+ 2 37	6.3	K0	Sex v	32.4	-60 44	6.2	K2	Car	43.7	+19 9	5.4	K3	51 m Leo	55.8	-74 50	6.1	K2	Car
22.0	-57 42	6.3	K	Car	32.4	+ 8 55	5.6	A2	49 Leo d	43.8	+14 28	5.5	G4	52 k Leo	56.0	+78 2	6.2	G7	Dra
22.6	+ 9 2	5.6	M3	44 Leo	32.6	-22 55	6.1	F5	Hya	44.4	-60 20	6.2	A1	Car	56.4	+52 9	6.2	K0	UMa
22.7	+84 30	5.6	A3	Cam	33.0	-39 18	var	N	U Ant	44.4	-17 2	5.6	A3	b^1 Hya	56.7	+40 42	5.1	G0	47 UMa
23.1	+34 3	4.7	F0	30 LMi	33.0	-43 24	6.1	G5	Vel	44.5	-64 15	5.3	B7	Car	56.8	+36 22	5.9	M2	42 UMa
23.1	-42 13	6.3	K0	Vel	33.2	-18 19	6.4	A0	Hya	44.6	-49 9	2.7	G5	μ Vel	56.9	-33 28	5.7	A8	Hya
23.2	-58 19	5.9	F0	Car	33.5	+36 35	6.2	F3	35 LMi	44.7	-64 0	5.2	B8	Car	57.0	-16 5	6.2	M2	Crt
23.2	- 6 48	5.6	M0	Sex	33.7	-57 18	4.4	K3	r Car	44.8	-80 12	5.5	G8	δ^1 Cha	57.1	+11 58	6.4	F5	Leo
23.4	-73 47	4.0	F3	I Car	33.7	-26 25	6.3	F6	Hya	44.9	-56 30	5.2	B8	Vel	57.2	-61 3	6.1	B9	Car d
23.7	-16 35	3.8	K4	42 μ Hya	33.8	-10 19	6.5	A5	Sex	45.0	-64 7	4.8	B3	Car	57.3	-18 2	4.1	K0	7 α Crt
23.7	-73 43	6.2	A2	Car	33.8	-16 5	6.0	M1	Hya	45.2	-15 0	6.5	A0	Hya	57.4	+45 48	5.5	K5	UMa
24.0	-42 29	6.1	K1	Vel	34.0	-11 58	5.7	F8	Hya	45.3	-80 17	4.4	B3	δ^2 Cha	57.5	+43 11	6.0	G0	UMa
24.3	+19 37	6.2	K0	Leo	34.5	-59 18	5.1	K1	t^1 Car	45.5	+65 24	6.2	B9	Uma	57.7	-13 49	6.1	K5	Crt
24.5	+41 51	5.9	A2	UMa	34.5	-76 3	6.3	K0	Cha	45.6	-57 12	6.3	K5	Car	57.7	-43 32	5.8	B9	Vel
24.9	-30 49	4.2	M0	α Ant	34.9	-27 9	4.9	M2	Hya	45.9	-31 25	5.9	A1	Hya	57.9	-41 57	4.4	A2	i Vel
24.9	-54 37	5.6	K0	Vel	34.9	-78 21	4.1	M0	γ Cha	46.1	-64 0	6.5	A0	Car	58.0	-51 33	6.1	A6	Vel
25.0	+49 3	6.4	G1	UMa	35.1	-13 7	var	N2	U Hya	46.1	- 1 42	6.2	M2	Sex	58.0	+63 41	6.3	A0	UMa
25.0	+36 58	4.3	G8	31 β LMi	35.2	-47 58	3.8	F	p Vel	46.1	-59 39	6.0	A0	Car	58.0	+ 3 53	4.9	K1	58 d Leo
25.0	+10 1	6.0	A	45 Leo	35.5	-58 28	5.5	A0	Car	46.2	+29 41	6.2	K1	43 LMi	58.0	+39 29	5.1	F0	49 UMa
25.2	+82 49	5.2	F5	Cam	35.9	+32 14	4.7	G2	37 LMi	46.6	+10 49	5.3	A2	53 l Leo	58.2	+ 6 22	5.6	A2	59 c Leo
25.5	-57 23	4.7	F0	Car	36.0	+53 56	5.5	K3	UMa	46.8	- 3 46	6.5	A2	40 Sex	58.3	-31 34	6.1	G0	Hya
25.6	+45 28	6.3	K0	UMa	36.1	-57 0	5.9	B3	Car	47.2	+28 14	6.0	A8	44 LMi	58.8	+56 39	2.4	A1	48 β UMa
25.8	-65 27	6.0	A0	Car	36.1	-16 37	4.9	K0	φ Hya	47.2	-15 56	3.1	K3	ν Hya	59.3	- 2 13	4.7	K5	61 p^2 Leo
26.0	-49 9	6.1	K2	Vel	36.3	+38 10	5.7	F8	38 LMi	47.2	- 9 35	5.8	G8	Sex	59.7	+20 27	4.4	A	60 b Leo
26.0	-58 29	3.8	F0	s Car	36.4	-12 10	6.0	A0	Hya	47.4	-59 4	5.8	A0	Car	59.7	-84 19	6.2	A0	η Oct
26.2	- 3 29	6.1	A0	Sex	36.6	-42 30	6.1	F5	Vel	47.6	-33 48	5.6	A0	Ant	0.0	-26 34	6.2	F0	Hya
26.4	+65 53	6.3	K2	35 UMa	36.8	-58 55	4.7	K	t^2 Car d	47.8	- 8 38	5.8	A2	41 Sex	0.7	+62 1	1.8	K0	50 α UMa
26.9	- 2 29	5.2	B9	29 δ Sex	37.1	-58 33	5.8	M1	Car d	48.1	+56 51	5.6	K1	43 UMa	0.7	- 0 29	6.1	A3	Leo
27.0	+64 31	6.0	A3	UMa	37.3	-55 21	4.3	G2	x Vel d	48.3	+59 35	5.5	K2	42 UMa	0.7	-11 2	5.6	G6	^{3}Crt d
27.2	-29 24	5.8	K5	Hya	38.1	-74 14	6.1	K5	Car	48.5	- 2 50	6.2	K2	Sex	1.1	+ 0 16	6.0	K3	62 p Leo
27.2	+39 11	5.9	A4	32 Lmi	38.3	+68 42	5.7	K3	UMa	49.5	+52 47	5.8	K2	UMa v	1.1	-13 10	6.4	G5	Crt
27.2	-63 55	5.3	K	Car	38.5	-64 50	5.5	A0	Car	49.7	+ 1 17	6.2	A2	Leo	1.7	+38 31	6.0	A3	51 UMa
27.3	-30 21	5.6	B9	δ Ant d	38.6	+65 59	5.0	K2	38 UMa	49.9	-54 52	6.3	K5	Vel	1.9	-57 41	6.4	B3	Car

11^h α	δ	mag	sp	const	11^h α	δ	mag	sp	const	11^h α	δ	mag	sp	const	11^h α	δ	mag	sp	const
$2^m.3$	$-47^\circ 25'$	5.7	A5	Vel	$15^m.5$	$+31^\circ 49'$	3.9	G0	53 ξ UMa d	$29^m.0$	$-61^\circ 0'$	6.4	A0	Cen	$38^m.7$	$-28^\circ 55'$	6.4	G0	Hya
2.4	+ 7 36	4.6	F2	63 χ Leo	15.7	+12 16	6.5	A2	Leo	29.2	+14 39	6.0	F7	88 Leo d	38.9	-42 49	5.7	A0	Cen
2.5	-35 32	5.5	A0	Ant	15.8	+33 22	3.5	K3	54 ν UMa	29.3	-20 30	6.2	F5	Crt	39.0	+32 1	5.7	F1	62 UMa
2.8	-49 7	6.1	A0	Vel	16.3	+ 1 55	6.0	K0	76 Leo	29.4	-59 10	5.1	G0	o^1 Cen	39.0	+55 27	6.2	K5	UMa
2.9	-27 1	4.9	F4	χ^1 Hya	16.4	+38 28	4.8	A2	55 UMa	29.5	-59 14	5.2	A2	o^2 Cen	39.2	-32 13	5.2	K2	Hya d
3.1	-10 49	6.1	A3	Crt	16.8	-14 30	3.6	G8	12 δ Crt	29.5	+61 22	5.5	F6	UMa	39.3	-82 49	6.3	G8	Cha d
3.5	-27 1	5.7	B9	χ^2 Hya	17.1	-79 24	6.3	A3	Cha	29.8	-28 59	5.1	F6	N Hya d	39.5	+22 30	6.5	F2	Leo
3.9	-50 56	6.3	G8	Cen	17.2	-64 19	6.0	F2	Car	29.9	-26 28	6.5	M1	Hya	39.5	-20 1	6.3	K0	Crt
4.2	-50 41	6.3	K2	Cen	17.8	-74 52	6.3	A0	Mus	30.1	-66 41	5.9	G9	Mus	39.7	+67 1	5.3	K3	3 Dra
4.4	+ 2 14	5.6	G7	65 p^4 Leo	17.9	+67 23	6.2	G8	UMa	30.2	- 7 33	6.2	K4	Crt	40.8	-79 2	6.4	K0	Cha
4.4	-58 24	6.1	G8	Car	18.1	-71 43	6.4	B3	Mus	30.4	-40 10	5.6	K6	Cen	41.0	-36 55	6.0	K2	Cen
4.4	-64 34	6.4	A2	Car	18.6	+ 6 18	4.1	B9	77 σ Leo	30.4	-30 49	5.0	M0	Hya	41.1	-62 13	5.0	G0	Cen
4.5	-62 9	4.6	G5	z Car	18.7	-54 13	3.9	B5	π Cen	30.5	-31 35	3.5	G7	ξ Hya	41.4	- 6 24	6.2	G8	Vir
5.0	-42 22	5.1	A	Cen	19.0	+57 21	6.3	A2	UMa	30.7	-16 0	6.0	G0	Crt	41.5	-62 36	6.2	A0	Cen
5.0	+23 36	6.3	A	64 Leo	19.9	+64 36	5.9	A0	UMa	31.2	-40 19	5.4	A2	Cen d	41.6	+25 30	6.0	K5	Leo d
5.0	-70 36	5.6	B3	Car	20.0	-44 22	6.3	G5	Cen	31.3	+37 6	6.4	K0	UMa	42.2	-18 4	4.7	G8	27 ξ Crt
5.8	-29 42	6.5	A0	Hya	20.1	+43 45	5.0	G8	56 UMa	31.6	+11 18	6.4	A5	Leo	42.7	+ 8 32	5.1	A4	2 ξ Vir
6.1	+24 56	5.6	A3	67 Leo	20.3	-77 20	6.4	A2	Cha	31.8	+ 3 20	5.7	F5	89 Leo	42.7	-48 48	6.2	K0	Cen
6.3	-27 49	5.4	A2	Hya	20.7	+ 0 24	6.1	K3	Leo	32.1	-32 34	6.0	K0	Hya	43.2	-66 27	3.6	A7	λ Mus
6.4	-58 42	3.9	G0	x Car	20.8	-35 53	5.1	K6	Cen	32.1	+17 4	6.0	B3	90 Leo d	43.2	-45 25	5.3	B8	Cen
6.5	-61 41	5.2	B9	Car	20.9	-56 30	5.8	A0	Cen	32.3	+55 4	5.6	G8	UMa	43.3	+ 6 49	4.0	M1	3 ν Vir
6.5	+67 29	6.0	A5	UMa	20.9	-18 30	5.1	F5	13 λ Crt	32.4	-53 59	4.6	B9	A Cen	43.4	+48 3	3.7	K0	63 χ UMa
6.6	+36 35	5.7	M3	UMa	21.2	-64 41	5.1	B5	Mus d	32.5	+20 43	6.3	G9	Leo	44.1	-60 54	4.1	G3	Cen
6.8	+43 29	5.9	M2	UMa	21.3	+10 48	3.9	F2	78 ι Leo	32.5	-48 52	5.5	K1	Cen	44.1	-40 14	4.9	G5	Cen
6.9	+44 46	3.0	K1	52 φ UMa	21.5	+ 1 41	5.4	G7	79 Leo	32.8	-47 6	5.6	M3	C^1 Cen	44.3	+55 54	5.2	K3	UMa
7.5	-32 6	5.8	A1	Hya	22.0	-42 24	6.1	B0	Cen	33.1	+11 11	6.5	A4	Leo	44.6	-35 38	6.2	G8	Cen
8.7	-58 11	6.5	B8	Car	22.1	-10 35	4.8	K5	14 ε Crt	33.1	+69 36	5.1	K0	2 Dra	44.9	-57 25	5.4	K6	Cen
9.0	+68 33	6.3	A2	UMa	22.2	-71 59	5.6	B3	Mus	33.5	-62 45	3.1	B9	λ Cen	45.3	+ 8 31	5.2	A1	4 A^1 Vir
9.1	+14 40	6.2	A5	Leo	22.4	-17 25	4.1	A7	15 γ Crt	33.5	-47 22	5.2	F2	C^2 Cen	45.4	+20 30	4.6	F8	93 Leo
9.2	-22 33	4.5	A2	11 β Crt	22.4	+11 42	5.8	K4	Leo	33.7	+28 3	5.8	A3	Leo	45.8	-66 32	4.7	K3	μ Mus
9.6	-71 10	6.3	K0	Car	23.0	+16 44	5.6	F2	81 Leo	34.0	-60 47	5.8	B3	Cen	45.8	-10 2	6.2	G0	Crt
9.8	+36 5	6.2	G0	UMa	23.1	-35 47	5.3	K0	Cen	34.1	-33 18	5.9	K0	Hya d	46.1	+14 34	5.9	A6	Leo
9.8	-32 10	6.4	M1	Hya	23.1	-37 28	6.0	M3	Cen	34.1	- 9 32	4.7	B9	21 ϑ Crt	46.2	-26 28	5.1	M4	Hya
9.8	+55 10	6.5	A2	UMa	23.1	+56 7	5.7	G6	UMa	34.2	-36 58	6.3	A0	Cen	46.5	- 0 2	6.1	F8	Vir
9.9	-58 9	6.4	M	Car	23.3	+ 4 8	6.3	A8	80 Leo	34.4	- 0 33	4.3	G9	91 ν Leo	46.5	+14 51	2.1	A3	94 β Leo
10.0	-18 14	6.1	A0	Crt	23.5	-63 42	5.3	F8	Cen	34.5	-32 43	6.3	F5	Hya	46.7	+16 31	6.0	A	Leo
10.3	-48 50	5.4	A3	Cen	23.8	+33 44	6.2	F5	UMa	34.7	-61 0	5.1	K1	Cen	47.1	+35 13	5.7	F5	UMa
10.4	-60 3	4.6	F0	y Car	24.2	+ 3 17	6.0	K0	83 Leo d	35.1	-47 28	5.4	K2	C^3 Cen	47.2	-63 31	4.3	B3	j Cen
10.7	-49 28	6.1	K0	Cen	24.3	-60 50	5.5	B5	Cen	35.2	-75 37	5.6	F2	π Cha	47.5	-69 57	5.0	G	Mus
10.7	-63 54	5.5	B9	Car	24.5	-52 53	5.8	C+A	Cen	35.2	+50 54	5.9	K0	UMa	47.8	-15 35	6.3	K0	Crt
10.9	+41 22	6.4	K0	UMa d	24.6	-12 5	5.9	F4	16 ϰ Crt	35.5	-67 21	6.0	G8	Mus	48.0	-62 22	5.7	A2	Cen
10.9	-44 6	5.8	K5	Cen	25.3	- 1 25	6.3	K2	Leo	35.7	+43 54	5.5	A7	59 UMa	48.1	+ 2 3	3.6	F8	5 β Vir
11.2	+ 0 12	5.3	A0	69 p^5 Leo	25.4	+ 3 8	5.0	G8	84 τ Leo	35.8	-61 33	5.1	A	Cen	48.4	+12 33	6.3	A3	Leo
11.3	-59 21	5.7	B3	Car	25.5	-35 4	6.5	K2	Hya	35.8	- 2 10	6.2	K1	Vir d	48.5	- 5 3	5.8	K0	Vir
11.4	-52 58	5.8	K2	Cen	26.2	-42 24	5.1	B9	Cen d	35.9	+47 7	6.2	F2	60 UMa	48.6	+33 39	6.1	A	UMa
11.4	+ 8 20	5.8	K3	Leo	26.2	+62 3	5.8	F1	UMa	35.9	+ 8 25	5.3	M6	1 ω Vir	48.6	-44 54	4.4	K4	B Cen
11.5	+20 48	2.6	A4	68 δ Leo	26.2	-72 12	6.1	B3	Mus	35.9	+33 54	6.2	K2	UMa	48.8	-11 55	6.3	F0	Crt
11.6	+15 42	3.3	A2	70 ϑ Leo	26.4	+39 37	5.2	A1	57 UMa d	36.0	+64 37	6.4	A2	UMa d	49.2	-30 33	5.8	F5	Hya
12.5	+23 22	4.9	M3	72 Leo	26.9	+57 1	6.2	A2	UMa	36.1	+45 23	6.3	G1	UMa d	49.4	-64 56	4.9	B4	Mus
12.6	-43 28	6.4	K5	Cen	27.1	+15 41	5.8	K4	85 Leo	36.1	-12 56	5.6	F5	24 ι Crt	49.7	-56 43	5.6	A2	Cen
13.2	+53 3	6.2	F2	UMa d	27.2	-24 11	5.7	F1	Crt d	36.5	-24 26	6.4	G5	Crt	50.1	+38 5	6.4	G8	UMa
13.3	+13 35	5.3	K3	73 n Leo	27.4	+54 38	6.4	G5	UMa	37.2	-65 7	5.2	G0	Mus	50.4	-33 38	4.3	A0	β Hya d
13.9	+49 45	5.8	K0	UMa	27.7	+46 56	4.6	K0	UMa	37.3	-16 21	6.5	M2	Crt	50.9	-34 47	6.2	A2	Hya
14.1	- 3 23	4.5	A7	74 φ Leo	27.8	- 2 44	5.1	K4	87 e Leo	37.3	-14 11	6.4	A0	Crt	51.2	+53 58	2.4	A0	64 γ UMa
14.1	-45 36	6.3	F2	Cen d	27.8	+43 27	5.8	F5	58 UMa	37.7	-34 28	4.7	B9	o Hya	51.3	+ 0 50	6.4	A5	Vir
14.4	- 6 52	6.1	A	Crt	27.9	+18 41	5.6	K0	86 Leo	37.7	+58 15	6.1	A0	UMa	51.7	-57 8	6.0	A1	Cen
14.7	+ 2 17	5.2	M0	75 Leo	28.2	+48 12	6.3	G8	UMa	38.2	+21 38	5.3	K0	92 Leo	52.2	-25 26	5.5	G4	A^2 Hya
14.8	-37 44	6.2	A0	Cen	28.4	+81 24	6.1	A	Cam	38.3	-53 41	6.0	M0	Cen	52.5	+ 8 43	5.4	K0	6 A Vir
15.2	-34 28	6.4	F1	Hya	28.4	+49 4	6.3	G5	UMa	38.4	+34 29	5.4	G8	61 UMa	52.5	-63 0	6.0	A2	Cen
15.3	-67 33	6.0	M1	Car	28.5	+69 36	3.8	M0	1 λ Dra	38.5	-61 49	4.9	G6	Cen	52.5	+46 45	5.9	A0	65 UMa d

$11^h - 12^h$

α	δ	mag	sp	const
52.6	+37° 2'	6.4	M2	UMa
53.1	+15 55	5.5	A3	95 o Leo
53.1	-28 12	6.1	K5	Hya
53.4	-39 25	6.1	K0	Cen
53.4	+56 53	5.8	K0	66 UMa
53.5	-16 52	5.2	A0	30 η Crt
54.2	-46 48	6.3	F3	Cen
54.3	+61 50	6.2	G8	UMa
54.5	-33 2	6.2	A0	Hya
54.7	+40 37	6.5	F5	UMa
55.1	-62 10	5.6	B3	Cru
55.6	+32 33	6.2	F0	UMa
55.7	-56 2	5.6	B8	Cru
56.3	-64 4	5.6	A2	Cru
56.4	-25 38	6.4	A0	Hya
56.5	+ 0 49	6.4	K3	Vir
56.6	-51 25	6.0	K2	Cen
56.7	+33 27	5.8	K2	UMa
57.1	-77 57	4.9	B9	ε Cha d
57.4	+ 3 56	5.2	A1	7 b Vir
57.4	+34 19	6.2	F0	UMa
57.7	+81 8	6.2	M2	Cam
58.1	-21 34	6.4	K0	Crv
58.2	-10 10	5.6	G7	Vir
58.3	-19 23	5.3	B1	Crv
58.3	+ 6 54	4.6	A4	8 π Vir
58.5	- 1 29	6.4	G8	Vir
58.9	-57 14	6.2	A0	Cru
59.1	+36 19	5.5	K1	UMa
59.6	+43 19	5.0	A	67 UMa
59.8	-85 21	6.0	K2	Oct d
59.9	-71 13	6.4	K0	Mus
0.1	-68 55	5.9	B8	Mus
0.3	- 7 24	6.5	K5	ϑ¹ Vir
0.5	-63 2	4.3	A	ϑ¹ Cru
1.1	-42 9	5.1	F4	Cen
1.1	-73 56	6.4	K0	Men
1.7	+21 44	5.7	F	2 ϑ² Com d
1.7	-62 53	4.7	B3	ϑ² Cru
2.1	-68 3	5.3	A0	Mus
2.2	+85 52	6.3	F6	Cam
2.2	-76 14	5.0	K3	κ Cha
2.4	-60 41	6.0	M0	Cru
2.7	+ 9 1	4.1	G8	9 o Vir
2.7	+77 11	5.8	K0	Dra
3.1	+63 13	6.1	K2	UMa
3.3	-65 16	6.3	B8	Mus
3.4	-35 25	6.2	B9	Hya
3.4	- 2 51	6.5	G8	Vir
3.7	-68 22	6.2	K0	Mus
3.8	-65 26	5.9	F8	Mus d
4.3	-64 20	4.1	F0	η Cru
5.2	-75 5	5.2	K2	Mus
5.5	-50 29	6.4	B9	Cen
5.5	-50 23	4.5	B6	Cen
5.6	-48 25	5.3	A1	E Cen
5.8	-50 27	2.9	B2	δ Cen
5.8	-60 34	6.2	K2	Cru
5.8	-24 27	4.0	F2	1 α Crv
6.3	-44 3	5.7	A3	Cen

12^h

α	δ	mag	sp	const
6.3	-40°57'	5.5	B3	Cen
7.1	+ 2 11	6.0	K3	10 Vir
7.4	+74 56	6.3	F5	Dra
7.5	-34 26	6.2	A0	Hya d
7.5	+ 6 5	5.7	A	11 Vir
7.5	-22 21	3.0	K3	2 ε Crv
8.0	-37 35	6.0	A2	Cen
8.0	+17 5	6.3	A2	3 Com
8.2	+27 34	6.0	A3	Com
8.4	-45 9	6.5	K0	Cen
8.4	-61 0	6.1	F0	Cru
8.5	-23 19	5.4	A2	3 Crv
8.8	+81 59	6.2	K5	Cam
8.9	-51 5	6.2	K0	Cen
9.0	-52 5	4.0	B4	ρ Cen
9.3	+26 9	5.6	K4	4 Com
9.3	+57 20	6.4	K5	68 UMa
9.5	+28 49	6.3	F2	Com
9.6	+20 49	5.6	G8	5 Com
9.7	-62 40	5.9	B9	Cru
9.9	+77 54	5.0	A	Dra
10.1	-69 52	var	F6	S Mus
10.8	-38 39	5.8	B3	Cen
10.9	+10 32	5.8	A	12 Vir
11.0	-33 31	6.4	B9	Hya
11.1	-78 18	6.3	K2	Cha
11.4	-45 27	5.3	M0	D Cen d
11.6	-64 8	6.2	B2	Cru
12.3	+53 43	6.1	K0	UMa
12.4	-20 34	6.0	G7	Crv
12.5	-58 28	2.8	B2	δ Cru
12.6	-10 4	6.1	F6	Vir
12.8	+70 29	5.7	K2	Dra
12.9	-41 38	6.2	K0	Cen
13.0	+57 19	3.3	A3	69 δ UMa
13.2	-23 5	6.4	F5	Crv d
13.2	-17 16	2.6	B8	4 γ Crv
13.5	+15 11	5.1	A2	6 Com
13.6	-72 20	6.2	A0	Mus
13.6	+40 56	5.6	M1	2 CVn d
13.8	+24 13	4.9	K0	7 Com
14.0	+33 20	5.4	K1	CVn
14.4	-65 25	6.0	A0	Mus
14.5	-16 25	6.0	A2	Crv
14.7	+87 59	6.2	F2	UMi
14.9	-67 41	4.2	M5	ε Mus
15.0	+29 13	5.7	A4	Com d
15.0	+53 28	5.8	K6	UMa
15.2	-35 49	6.1	A0	Cen
15.4	-79 2	4.2	B6	β Cha
15.4	+86 43	6.3	F4	UMi
15.6	- 3 40	6.0	F4	Vir d
15.7	-63 44	4.0	B3	ζ Cru
16.0	+30 32	6.1	A7	Com
16.1	- 0 31	5.9	A3	13 Vir
16.3	-54 52	5.0	M3	F Cen
16.5	+26 17	6.5	A3	Com
16.6	+75 26	5.4	A1	Dra
16.8	+23 19	6.3	A	8 Com
17.0	+28 26	6.2	F8	9 Com

12^h

α	δ	mag	sp	const
17.3	- 0°23'	3.9	A2	15 η Vir
17.4	+49 16	5.3	M1	3 CVn
17.6	-21 54	6.0	G2	Crv
17.7	-65 34	6.2	B9	Mus
17.8	+26 17	5.5	K2	Com
17.8	+ 3 35	5.0	K1	16 c Vir
17.8	+26 54	6.1	A5	Com
18.0	-21 56	5.3	B8	5 ζ Crv
18.2	+27 20	6.3	F2	Com d
18.2	+18 4	4.8	G8	11 Com
18.3	-13 17	5.4	K1	Crv
18.4	+58 9	5.6	K5	70 UMa
18.6	-60 8	3.6	K3	ε Cru
19.2	-56 6	6.0	M1	Cru
19.3	-67 15	5.1	A5	ζ² Mus
19.4	-68 2	5.7	G9	ζ¹ Mus
19.7	+25 3	6.0	A0	Com
20.0	+ 5 35	6.4	F7	17 Vir d
20.0	+26 7	4.8	G0	12 Com
20.1	-57 24	5.4	B8	Cru
20.5	-67 21	6.4	K0	Mus
20.7	-24 34	5.7	K1	6 Crv
21.0	-35 8	5.4	B9	x¹ Cen
21.0	-39 2	6.4	A5	Cen
21.1	-38 38	5.9	B9	Cen
21.3	+42 49	5.9	F0	CVn
21.4	-85 52	6.3	K2	Oct
21.6	+51 50	4.8	G7	5 CVn
21.8	+26 23	5.2	A3	13 Com
21.9	+25 52	6.4	A6	Com d
22.1	-41 6	6.2	K0	Cen d
22.5	-65 30	6.3	K0	Mus
22.5	-42 14	6.1	G2	Cen
22.6	-11 20	5.9	A0	Vir
22.7	+57 3	5.8	M3	71 UMa
22.7	-27 28	6.3	K0	Hya
22.7	-34 55	5.8	B9	x² Cen
22.7	+24 12	6.0	K0	Com
22.8	+64 5	6.3	G5	UMa
23.4	+39 18	5.0	G8	5 CVn
23.7	-62 51	5.1	B5	Cru
23.8	-62 49	1.0	B1	α Cru d
23.8	-51 10	4.8	B4	G Cen
23.9	+27 33	5.0	F0	14 Com
24.2	-48 38	6.2	G5	Cen
24.2	-32 33	5.7	A0	Hya
24.2	+72 12	6.3	G8	Dra
24.4	+28 33	4.4	K1	15 γ Com
24.5	+27 6	5.0	A4	16 Com
24.6	-63 31	6.2	B8	Cru
24.7	-58 43	5.4	M4	Cru
24.7	-58 2	6.5	K5	Cru
25.2	+ 8 53	6.3	G8	Vir
25.2	+55 59	5.6	M2	73 UMa
25.2	-16 21	6.5	G4	Crv
25.3	- 4 20	6.0	A8	Vir
25.3	-49 57	3.9	B2	σ Cen
25.5	-64 4	6.0	A0	Cru
25.6	-61 31	6.2	K0	Cru
25.7	-38 46	5.6	B8	u Cen

12^h

α	δ	mag	sp	const
25.8	-56° 8'	6.1	G8	Cru
26.1	+26 30	6.5	A	Com
26.2	+26 11	6.6	A3	Com
26.4	+26 11	5.3	A	17 Com
27.0	+24 23	5.5	F5	18 Com
27.1	-56 15	5.8	M0	Cru
27.2	+21 10	5.7	A3	20 Com
27.3	-16 14	3.0	B9	7 δ Crv d
27.3	-41 28	5.9	M4	Cen
27.5	-13 7	6.4	F8	Crv
27.6	+58 41	5.4	A5	74 UMa
27.7	-23 25	5.6	M0	Crv
27.7	+51 49	6.1	F6	7 CVn
27.7	+59 3	6.1	G8	75 UMa
27.9	+69 29	5.1	M4	4 Dra
28.4	-56 50	1.6	M3	γ Cru
28.5	-56 48	6.4	A2	Cru
28.5	+53 21	6.2	F7	CVn
28.5	+24 51	5.5	A	21 Com
28.8	+ 7 53	6.0	K5	Vir
28.9	-59 9	5.4	F	Cru
29.1	- 4 47	6.3	G9	Vir
29.1	-63 14	5.9	A5	Cru
29.1	-72 44	5.9	K0	Mus
29.5	-71 51	3.9	B5	γ Mus
29.5	-15 55	4.3	F0	8 η Crv
30.0	-13 35	5.7	A9	Crv
30.5	+10 34	6.3	G7	20 Vir
30.8	-19 31	6.2	A5	Crv
31.0	-12 33	5.8	G8	Crv
31.1	+24 34	6.3	A4	22 Com
31.2	+33 31	5.3	K0	CVn
31.2	- 9 10	5.5	A0	21 q Vir
31.3	-49 38	6.4	F2	Cen
31.3	+33 40	6.2	K1	CVn
31.4	+70 4	3.8	B7	5 κ Dra
31.4	+41 38	4.3	G0	8 β CVn
31.8	-23 7	2.7	G5	9 β Crv
32.0	-67 29	var	M	BO Mus
32.0	-44 24	5.8	G5	Cen
32.4	+22 54	4.8	A0	23 Com
32.6	+18 39	5.0	K2	24 Com d
32.6	+70 18	5.1	K2	6 Dra
32.6	+22 9	5.9	K2	Com
32.7	-61 34	6.2	G5	Cru
33.1	-40 45	5.2	A	Cen
33.3	-39 36	5.8	A0	Cen
33.4	-20 15	6.1	A5	Crv
34.1	+59 46	var	M4	T UMa
34.2	-68 52	2.7	B3	α Mus
34.2	- 5 33	5.9	A0	25 f Vir
34.5	+17 22	5.7	G5	25 Com
35.0	-48 16	3.9	A2	τ Cen
35.0	-26 52	5.4	F2	Hya
35.5	+ 3 33	6.2	A0	Vir
35.8	+ 2 8	5.8	M3	Vir
35.9	-66 55	6.2	B0	Mus
36.0	+ 7 16	var	M4	R Vir
36.1	-17 59	6.1	A6	Crv
36.4	+41 9	6.4	A5	9 CVn

12^h					12^h– 13^h					13^h					13^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
36.4	−30° 9′	6.0	K0	Hya	48.1	−52°31′	5.7	A3	Cen	2.6	−51°51′	6.4	M1	Cen	12.1	+73° 4′	6.4	A0	UMi
36.6	+22 56	6.3	K1	Com	48.3	−60 3	5.7	A1	Cru	3.3	+73 18	6.3	A5	UMa	12.3	−36 6	6.2	K0	Cen
36.6	+21 20	5.4	G8	26 Com	48.6	+83 41	4.8	A	Cam d	3.4	−48 12	4.7	B5	f Cen d	13.3	−19 41	5.2	K1	57 Vir
36.7	− 7 43	4.6	K2	26 χ Vir	49.1	+ 3 20	6.0	K4	37 Vir	3.4	+36 4	5.0	B9	14 CVn	13.3	+41 7	5.6	A5	19 CVn
36.9	+36 14	6.5	A	CVn	49.2	−39 25	6.0	B7	Cen	3.6	+45 32	5.6	K1	CVn	13.4	−64 52	6.1	F5	Mus
36.9	−66 14	6.2	B9	Mus	49.3	−47 49	6.3	A0	Cen	3.7	−41 19	5.7	K0	Cen	13.8	−66 31	4.9	K1	Mus
37.2	−39 43	4.6	A	l Cen	49.3	+27 49	5.0	G0	31 Com	3.8	+29 18	6.4	A3	Com	13.9	− 1 8	6.5	F0	Vir
38.6	−45 52	5.8	K3	Cen	49.3	−26 28	6.1	A0	Hya	3.9	+21 25	5.9	F1	39 Com	14.1	−31 15	5.4	K1	r Cen
38.7	−12 44	5.3	F	Crv d	49.5	−84 51	5.4	K0	ι Oct	3.9	+22 53	5.7	M5	40 Com	14.1	+20 3	6.2	A3	Com
38.7	−48 41	2.2	A0	γ Cen d	49.5	−53 33	6.3	K0	Cen	4.0	−49 38	4.3	B2	ξ^2 Cen d	14.3	+ 9 41	5.2	F8	59 e Vir
39.0	−69 8	var	G5	R Mus	49.7	+17 20	6.4	M0	32 Com	4.1	−35 36	5.6	A0	Cen	14.3	−43 43	5.8	A	Cen
39.1	−59 25	5.0	B7	Cru	50.0	+16 24	6.2	A5	Com	4.3	−59 36	6.0	B9	Cen	14.8	+13 56	5.4	K3	Vir
39.1	+10 42	6.3	A5	27 Vir	50.2	−54 41	5.9	K0	Cen	4.4	+62 19	6.2	G7	UMa	14.8	+68 40	6.1	B9	Dra
39.1	− 1 11	2.9	F0	29 γ Vir d	50.3	−48 40	4.3	K2	e Cen	4.7	−53 12	5.7	B8	Cen	14.9	− 0 25	6.3	F0	Vir
39.2	−19 29	6.0	F2	Crv	50.4	−60 3	5.7	B9	Cru	4.8	+27 54	4.7	K5	41 Com	15.1	+ 5 44	4.8	M2	60 σ Vir
39.4	+10 31	4.9	A0	30 ρ Vir	50.6	− 3 17	6.2	F6	38 Vir	4.9	−65 2	5.5	B0	ϑ Mus d	15.3	+40 50	4.7	F0	20 CVn
39.4	+62 59	5.9	A0	76 $_1$UMa	50.7	−39 54	4.3	A7	n Cen	5.1	−67 32	6.5	M	Mus	15.6	−51 1	6.2	A0	Cen
39.4	+ 7 5	5.4	B9	31 d Vir	50.8	−60 6	5.9	B3	ϰ Cru	5.3	−10 28	5.2	K1	49 Vir	15.6	−71 46	6.0	K2	Mus
39.8	−48 32	4.7	K1	w Cen	50.8	+21 31	5.0	G8	35 Com d	5.5	+27 49	6.2	K4	Com	15.8	−18 2	4.8	G6	61 Vir
39.9	−62 47	5.4	B1	Cen	51.1	− 3 57	6.5	K0	Vir	5.9	− 8 43	5.7	K3	g Vir	16.1	+49 57	5.2	A0	21 CVn
40.0	−55 40	6.2	B9	Cru	51.3	+12 41	6.2	A	41 Vir	6.4	−22 51	5.1	K1	45 ψ Hya	16.1	+34 22	5.8	K5	Cvn
40.3	−55 54	6.0	B9	Cru	51.4	−58 10	var	G0	S Cru	6.6	− 9 16	6.4	K0	Vir	16.2	−22 55	3.0	G8	46 γ Hya
40.6	−58 38	6.4	K0	Cru	51.6	−56 54	3.7	B3	μ Cru d	6.7	+10 17	5.8	K0	Vir	16.4	+ 3 57	6.0	A1	Vir
40.9	+61 26	6.3	K0	UMa	51.7	−58 53	4.6	B5	λ Cru	7.1	−10 4	6.2	K5	50 Vir	16.8	+35 23	5.9	A5	CVn
41.1	− 1 18	5.9	G8	Vir	51.7	−11 23	6.0	A1	Vir	7.3	+17 7	6.0	K6	Com	17.4	−59 31	6.4	F2	Cen
41.3	−36 5	6.4	A0	Cen	51.7	− 9 16	4.9	M3	40 ψ Vir	7.3	+37 41	6.0	K4	CVn	17.6	−52 29	5.7	B5	Cen
41.3	−28 3	5.7	K4	Hya	51.8	+33 48	6.3	A5	CVn	7.4	− 5 16	4.4	A1	51 ϑ Vir d	17.7	−55 32	6.0	B0	Cen
41.9	−68 33	6.1	G0	Mus	51.8	+56 14	1.8	A0	77 ε UMa	7.4	+38 48	6.1	B7	15 CVn	17.8	−36 27	2.8	A2	ι Cen
42.1	+44 23	6.2	F5	CVn	52.2	−43 53	5.9	G2	Cen	7.6	+17 48	5.0	F5	42 α Com	18.0	−46 37	5.8	K0	Cen
42.6	+39 33	6.0	G0	10 CVn	52.5	−42 39	5.5	M0	Cen	7.6	+38 46	6.0	F0	17 CVn	18.1	+40 25	5.6	K1	23 CVn
42.7	−60 42	4.7	K1	ι Cru d	52.7	+47 28	5.8	M4	CVn	7.9	+62 30	6.5	A0	UMa	18.2	+ 3 12	6.2	A0	Vir d
42.8	+45 43	var	N	Y_2CVn	53.0	−56 34	5.4	O9	Cru	8.0	−52 18	6.3	A0	Cen	18.8	−19 14	6.2	A0	Vir
43.1	+ 7 57	5.2	A	32 d Vir	53.1	+ 3 40	3.4	M3	43 δ Vir	8.3	−41 58	5.8	F5	Cen	19.1	−71 53	6.0	B5	Mus
43.2	+80 54	6.2	A	Cam	53.2	−71 55	5.9	K0	Mus	8.4	−69 41	5.9	F2	Mus	19.1	+ 2 21	5.8	A0	Vir
43.2	−67 50	3.0	B2	β Mus d	53.3	−15 3	6.1	A0	Crv	8.5	−43 6	5.3	K0	Cen	19.2	−51 55	6.1	B1	Cen
43.5	−56 13	4.6	B3	Cru	53.5	+65 43	5.2	A5	8 Dra	8.7	−63 2	6.3	F0	Cen	19.4	−60 44	4.4	B4	J Cen v
43.8	+ 9 49	5.7	K1	33 Vir	53.7	+38 35	2.8	F0	12 α CVn d	8.9	−26 17	6.5	A3	Hya	19.6	+ 5 25	5.9	A	64 Vir
44.1	−33 3	5.8	K0	Cen	54.1	+54 22	5.9	A	UMa d	9.2	−59 39	4.6	B8	Cen	19.9	+44 10	6.3	A8	Cvn
44.1	+16 51	5.1	K3	27 Com	54.2	−50 56	5.3	B8	H Cen	9.3	−37 32	4.8	G3	Cen	19.9	−47 41	6.3	A2	Cen
44.5	+ 6 13	6.3	A	Vir	54.8	+46 27	6.1	G9	CVn	9.4	−15 56	5.0	F6	53 Vir	20.0	−48 18	6.5	B7	Cen
44.7	+12 14	6.0	A3	34 Vir	54.9	−22 29	6.3	B5	Hya	9.5	−65 58	5.9	A0	Mus	20.3	−32 56	6.3	M1	Cen
44.8	−59 25	1.2	B0	β Cru	56.5	+17 41	5.0	M0	36 Com	9.5	+28 8	4.3	G0	43 β Com	20.3	−17 28	5.4	K0	63 Vir
45.0	− 6 2	6.3	F5	Vir	57.1	− 3 33	5.9	A2	44 k Vir	9.7	+24 31	6.3	K1	Com	20.6	−64 16	4.5	G5	m Cen
45.2	+63 3	5.8	A5	UMa	57.3	+75 45	6.0	K0	Dra	9.8	−59 33	6.2	G0	Cen	20.7	− 4 40	5.9	K3	65 Vir
45.2	−24 35	6.4	B9	Hya	57.8	−33 14	6.0	F2	Cen	10.0	−42 26	6.1	K0	Cen	20.9	−49 34	6.5	K0	Cen
45.3	+ 3 50	6.5	M4	35 Vir	57.9	+31 3	4.9	G9	37 Com	10.1	+11 49	5.7	K5	Vir	21.1	−74 38	5.0	K0	υ^1 Mus
45.5	+67 4	5.5	K5	7 Dra	58.0	− 3 6	6.1	K2	46 Vir	10.1	−78 11	5.8	F8	Cha	21.6	+37 18	6.2	M4	CVn
45.7	+13 50	6.4	A0	28 Com	58.0	+66 52	5.3	K2	9 Dra	10.4	−50 26	6.0	A0	Cen	21.9	−64 13	5.3	F2	Cen
45.8	−27 19	5.7	G5	Hya	58.2	+18 38	6.0	F4	Com	10.8	+19 0	6.4	G8	Com v	21.9	+55 11	2.2	A	79 ζ UMa d
46.3	+25 7	6.3	G7	Com	58.6	+56 38	4.9	F2	78 UMa	10.8	−18 34	6.3	A0	54 Vir d	21.9	− 4 54	5.8	F3	66 Vir
46.4	+14 24	5.7	A2	29 Com	58.7	+17 24	5.9	G7	38 Com	11.1	−58 25	6.0	K0	Cen	22.0	+12 41	6.4	K0	Vir
46.4	+48 44	6.3	A	11 CVn	58.8	−71 17	3.6	K2	δ Mus	11.1	−42 52	6.1	K5	Cen	22.2	−70 22	5.7	A	Mus
46.5	−71 43	5.5	K0	Mus	59.7	−71 13	6.0	B1	Mus	11.1	−58 50	4.9	F8	Cen	22.6	−10 54	1.0	B1	67 α Vir
46.5	+60 36	5.8	F6	UMa	59.7	+11 14	2.8	G9	47 ε Vir	11.5	+40 25	4.9	K0	CVn	22.7	+24 7	5.6	A3	Com
46.9	+27 49	5.7	A2	30 Com	59.8	+63 53	6.0	F4	Dra	11.5	−19 40	5.6	G6	55 Vir	23.2	−39 30	5.2	K1	Cen
47.2	−60 8	6.0	A3	Cru	0.6	+59 59	6.3	A0	UMa	11.8	−48 41	5.9	K0	Cen	23.2	+55 15	4.0	A5	80 g UMa
47.5	−48 11	6.2	A0	Cen	0.6	−49 16	5.0	A0	ξ^1 Cen	11.8	−67 38	4.8	B8	η Mus	23.6	− 0 56	6.0	A3	Vir
47.8	+37 47	5.9	A4	CVn	1.1	−20 19	5.6	F8	Vir	11.9	−69 25	6.4	K0	Mus	24.0	−41 14	5.8	K2	Cen
47.8	+23 8	6.3	K0	Com	1.3	− 3 24	6.5	F0	Vir	11.9	+80 44	6.2	G5	Cam	24.1	−12 27	5.3	M0	68 i Vir
48.0	−33 44	5.0	A0	p Cen	2.0	−40 56	6.2	M4	Cen	12.0	+11 36	5.7	M0	Vir	24.1	−48 53	6.3	A0	Cen

13^h					13^h					13^h					$13^h - 14^h$				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
^{m}	$^\circ$ ′				^{m}	$^\circ$ ′				^{m}	$^\circ$ ′				^{m}	$^\circ$ ′			
24.1	+46 17	5.8	K0	CVn	36.7	−39 30	6.4	M4	Cen	47.1	−17 53	5.1	K1	89 Vir	58.9	+ 9 8	5.8	A2	Boo
24.3	−49 7	6.3	B3	Cen	36.9	−39 48	5.7	K0	Cen	47.3	−28 50	6.1	B9	Hya	58.9	+27 38	6.1	A3	11 Boo
24.8	−15 43	4.8	K1	69 Vir	36.9	−49 42	5.6	M7	Cen	47.3	+21 31	4.9	K4	6 e Boo	59.1	+ 1 47	4.3	A3	93 τ Vir
24.9	+72 39	5.9	M1	UMi	37.1	+11 0	5.5	A6	Boo	47.6	+36 53	6.3	A3	CVn	59.5	−27 11	5.7	K3	Hya
25.1	−69 22	6.2	B9	Mus	37.6	+53 10	5.4	A2	82 UMa	47.8	−19 39	6.3	F8	Vir	0.0	−55 58	5.9	K1	Cen
25.5	+65 0	6.1	F0	Dra v	38.0	+31 16	6.0	G5	CVn	47.9	−69 9	5.7	K2	Cir	0.1	+ 9 56	6.2	G0	Boo
25.7	−64 25	6.1	A1	Mus	38.3	+20 12	5.6	A1	1 Boo d	47.9	+ 5 45	6.1	K0	Vir	0.1	−31 27	6.2	F5	Cen d
26.0	+14 3	5.0	G5	70 Vir	38.3	+28 19	6.2	K2	CVn	48.1	+61 44	5.9	G3	Dra	0.2	+46 0	6.3	K2	CVn
26.0	+53 0	6.1	F0	UMa	38.4	+50 46	6.3	F9	UMa d	48.6	−28 8	6.4	G5	Hya	0.3	−60 8	0.6	B1	β Cen
26.3	−50 54	5.0	A2	K Cen	38.5	−54 18	5.6	B8	Q Cen d	48.7	−46 39	5.9	B4	Cen	0.4	−76 33	var	M4	ϑ Aps
26.5	+78 54	5.7	G4	Cam	38.5	+57 28	6.1	A1	UMa	48.7	+58 47	6.3	A0	UMa	0.4	−41 11	6.1	A	Cen
26.6	+60 12	5.4	A1	UMa	38.7	+22 45	5.6	G9	2 Boo	48.8	−52 34	5.7	B9	N Cen d	0.7	+68 55	6.3	K5	UMi
26.7	− 1 6	6.4	K0	Vir	38.7	−58 32	5.4	B9	Cen	48.9	−32 45	4.5	B5	3 k Cen d	1.1	+11 2	6.3	G8	Boo
26.7	+50 59	6.2	F2	UMa	38.7	−23 12	6.4	A0	Hya d	48.9	+34 55	6.0	M1	CVn v	1.1	−22 11	6.2	F2	Vir
26.7	+11 5	5.7	G9	71 Vir	38.8	+54 56	4.7	M2	83 UMa	49.1	−82 25	5.9	K2	Cha	1.1	+ 7 47	6.2	G9	Boo
27.0	−23 1	var	M7	R Hya	38.9	−33 21	var	M0	T Cen	49.1	−31 22	6.2	F8	Cen	1.1	+51 13	6.1	A0	Boo
27.4	+ 6 16	6.3	K0	Vir	39.0	− 8 27	5.2	M2	82m Vir	49.6	+34 41	4.8	K5	CVn	1.4	+ 5 8	6.2	F2	Vir
27.5	+ 7 26	6.1	K5	Vir	39.6	−56 31	6.3	B2	Cen	49.8	+68 34	6.3	K2	Dra	1.7	−14 44	6.4	G6	Vir
27.8	− 6 13	6.1	A5	72 Vir	39.7	+ 8 38	5.9	F3	Vir	49.9	+12 25	6.0	A2	Boo	2.1	+ 2 32	6.2	K0	Vir
28.1	−39 9	3.9	G8	d Cen	39.8	−50 32	6.3	K0	Cen	50.0	+64 58	4.6	M3	10 i Dra	2.4	−54 26	6.3	A3	Cen
29.1	+42 22	5.9	K2	CVn	39.9	−41 9	6.0	K0	Cen	50.3	−31 41	4.7	B5	4 h Cen d	2.5	−16 6	6.4	A2	Vir
29.2	−38 8	6.1	K1	Cen	40.0	+65 4	5.8	A0	Dra	50.5	−53 8	6.1	B6	Cen	2.9	−59 29	6.4	B0	Cen
29.3	−18 28	5.9	A4	73 Vir	40.4	+41 56	6.1	K0	CVn	50.6	−35 25	5.6	F6	y Cen	3.0	−40 56	4.4	B3	χ Cen
29.4	− 6 0	4.7	M3	74 l Vir	40.5	+35 14	5.8	B2	CVn	50.8	+18 11	5.6	G4	7 Boo	3.0	+64 37	3.6	A0	11 α Dra
29.8	−29 19	6.4	F5	Hya	40.5	+ 3 47	5.4	K2	84 Vir d	50.8	−46 53	5.9	B3	Cen	3.1	−42 51	6.3	K0	Cen
29.8	−28 26	5.7	A1	Hya	40.7	−41 49	6.1	B9	Cen	50.9	+28 54	5.8	A5	CVn	3.5	−26 27	3.3	K2	49 π Hya
30.1	−65 23	6.4	A3	Mus	41.1	−50 46	6.5	A	Cen	51.0	−35 4	6.2	K0	Cen	3.7	−36 7	2.0	K0	5 ϑ Cen
30.2	−15 6	5.6	K2	75 Vir	41.3	− 5 15	6.5	A0	Vir	51.0	−67 24	5.7	K1	Cir	3.8	−74 37	6.0	G1	Aps
30.3	− 9 54	5.4	K0	76 h Vir	41.4	+22 57	6.3	K4	Boo	51.4	−28 19	6.3	K0	Hya	4.1	− 9 5	5.5	A8	95 Vir
30.4	− 6 56	var	M7	S Vir	41.8	−15 56	5.6	G0	83 Vir	52.0	−51 55	5.8	B8	Cen	4.5	−62 58	6.4	K0	Cen
30.4	+24 36	6.1	K0	Com	42.0	−25 15	6.2	K0	Hya	52.0	+53 58	5.6	A0	86 UMa	5.4	−59 2	6.4	B5	Cen
31.4	−48 1	6.4	A0	Cen	42.0	+52 19	5.7	A0	UMa	52.1	− 1 15	5.3	K2	90 p Vir	5.7	−43 14	6.4	B9	Cen
31.6	+ 3 55	4.9	A	78 o Vir	42.4	+78 19	5.8	G7	UMi	52.3	+18 39	2.7	G0	8 η Boo	5.9	+44 5	5.2	M4	Boo
31.9	−33 3	6.5	K2	Cen	42.8	−25 52	5.8	A0	Hya	52.3	− 7 49	6.2	F7	Vir d	6.3	−51 16	6.0	B9	Cen
32.0	−12 58	5.8	A1	Vir	42.8	−32 47	4.2	F2	1 i Cen	52.4	−47 3	2.5	B2	ζ Cen	6.3	−70 4	6.0	K0	Cir
32.1	− 0 21	3.4	A3	79 ζ Vir	42.9	−15 31	6.2	A0	85 Vir	52.9	−31 2	6.5	K0	Cen	6.3	−10 6	6.5	G7	96 Vir
32.2	+39 3	6.1	A3	CVn	43.3	−12 11	5.8	G7	86 Vir	53.0	−53 53	6.4	A1	Cen d	6.4	+49 42	5.2	M2	13 Boo
32.2	+55 36	5.4	A0	81 UMa	43.4	+56 8	6.3	F4	UMa	53.2	−46 21	5.8	K0	Cen	6.5	+74 50	6.3	A3	3 UMi
32.4	+49 16	4.6	A4	24 CVn	43.5	−51 11	4.6	G9	M Cen	53.2	−54 27	6.1	G0	Cen	6.6	−53 12	4.7	G6	Cen
32.4	−85 32	5.6	A2	ϰ Oct	43.7	−62 20	6.2	G	Cen d	53.4	+14 18	6.1	F6	Boo	6.9	−69 29	6.0	A3	Cir
32.6	+37 26	5.0	F2	CVn	43.7	+83 0	5.9	G6	Cam	53.9	+ 1 18	5.9	A3	92 Vir	7.2	+59 34	6.5	K0	Dra
32.9	− 5 9	5.8	G6	80 Vir	44.0	−36 0	5.2	A0	z Cen	54.0	+32 17	6.2	F2	CVn	8.1	−16 4	4.9	M3	Vir
33.1	+10 28	6.3	K1	Vir	44.1	+41 20	5.7	A3	CVn	54.0	−63 27	4.7	K4	Cen	8.1	+25 20	4.8	F8	12 d Boo
33.8	−61 26	5.6	F5	Cen	44.2	+38 45	5.9	G5	CVn	54.3	+27 44	5.0	K3	9 Boo	9.0	+ 1 36	6.2	F5	Vir
34.0	−26 14	5.5	A3	Hya d	44.3	−50 0	5.9	A3	Cen	54.7	−22 47	6.3	K0	Hya	9.0	+77 47	4.9	K3	4 UMi
34.1	−43 53	6.0	K0	Cen	44.4	+25 57	5.8	F3	3 Boo	54.8	−65 33	6.2	G8	Cir d	9.1	+32 32	6.1	K2	Boo
34.4	−46 10	6.0	B8	Cen	44.5	+ 6 36	6.3	G2	Vir	55.2	−41 51	3.8	B2	φ Cen	9.6	−24 8	6.4	K0	Hya
34.6	+24 52	5.7	M2	Com	44.5	−50 4	5.4	K5	Cen	55.3	−78 21	6.1	A0	Aps	9.7	+ 2 39	5.0	A	Vir
34.8	−58 10	6.4	G8	Cen	44.6	− 9 28	6.2	K5	Vir	55.6	−44 34	3.9	B2	υ^1 Cen	9.9	−53 26	5.5	K0	Cen
34.9	−75 26	6.3	A0	Cha	44.7	−17 37	5.4	M1	87 Vir	55.7	−24 44	5.2	B8	47 Hya	9.9	−27 2	5.2	K3	50 Hya
34.9	−70 11	6.1	K2	Mus	44.7	+54 41	5.5	A	84 UMa	56.0	+61 44	6.3	K2	Dra	10.2	−10 3	4.2	K3	98 ϰ Vir
35.2	+36 33	4.9	A7	25 CVn d	44.8	+38 48	5.4	K0	CVn	56.1	−50 8	6.1	K0	Cen	10.3	−54 24	6.2	B9	Cen
35.5	−57 22	6.0	K0	Cen	44.9	+17 42	4.5	F7	4 τ Boo	56.3	+14 54	6.0	K5	Boo	10.4	−26 23	6.3	G7	Hya
35.7	+14 33	6.3	F0	Boo	45.6	+49 34	1.9	B3	85 η UMa	56.3	+21 56	5.7	A0	10 Boo	11.1	− 0 37	5.9	F6	Vir
35.9	−29 18	5.8	F6	Hya	46.0	−35 27	6.5	G3	Cen	56.7	−61 14	6.5	F2	Cen	11.1	+69 40	5.2	M2	UMi
36.0	+71 30	5.5	K2	UMi	46.4	+31 26	5.6	K0	CVn	57.1	−66 2	6.0	A5	Cir	11.5	−56 51	5.1	B3	Cen
36.1	−70 32	6.5	K0	Mus	46.5	−41 26	3.4	B2	ν Cen	57.2	−24 46	5.8	F3	48 Hya	11.6	−77 26	6.5	K0	Aps
36.6	+18 31	6.3	K6	Boo	46.5	−34 12	4.4	M6	2 g Cen	57.2	− 3 18	6.3	F5	Vir	11.6	−41 36	5.6	K0	Cen
36.7	−64 19	5.8	F4	Cen	46.6	−42 14	3.5	B2	μ Cen	58.3	−39 59	6.3	K0	Cen	11.7	+13 12	5.5	F6	14 Boo
36.7	−53 13	2.3	B1	ε Cen	47.1	+16 3	4.1	K5	5 ϑ Boo	58.6	−45 22	4.3	F7	υ^2 Cen	11.7	+52 1	4.4	A7	17 ϰ Boo d

14^h α	δ	mag	sp	const	14^h α	δ	mag	sp	const	14^h α	δ	mag	sp	const	14^h α	δ	mag	sp	const
m	° '				m	° '				m	° '				m	° '			
11.7	- 5 43	6.3	F8	Vir	21.5	+ 8 28	5.7	A2	Boo	33.5	-67 43	6.0	F5	Cir	44.5	-66 23	5.9	B2	Cir
11.8	-80 47	4.9	A2	η Aps	21.6	-65 57	6.4	A2	Cir	33.6	-40 0	5.9	B8	Cen	44.8	-25 53	5.4	G5	56 Hya
12.0	-53 17	6.3	K2	Cen	21.7	+ 6 3	5.1	A3	Boo	33.9	+23 28	6.4	K0	Boo	45.0	-26 26	5.8	B9	57 Hya
12.1	-29 3	6.0	A0	Hya	21.8	+ 8 18	6.1	K4	Boo	34.0	-45 55	5.4	K0	a Lup d	45.2	-12 38	6.4	G5	Lib
12.4	+22 6	6.4	A8	Boo	22.0	-24 35	5.4	G8	Lib	34.3	-12 5	6.2	F6	Lib	45.4	-56 28	6.2	K2	Cir
12.4	+41 45	6.1	K3	Boo	22.0	-11 27	6.5	F1	Lib	34.5	-49 13	4.0	B5	ρ Lup	45.5	-36 26	6.1	M3	Cen
12.4	+10 20	5.2	K0	15 Boo	22.7	-19 44	6.0	A8	Lib d	35.0	+79 53	4.9	G8	UMi	46.2	+24 34	5.9	F5	Boo d
12.5	-44 46	6.4	F8	Cen	22.9	-45 0	4.5	B3	τ^1 Lup	35.2	-38 35	6.1	K0	Cen	46.3	- 0 38	6.1	A0	Lib
12.6	-17 58	5.6	A0	Vir	23.0	-45 9	4.4	F7	τ^2 Lup	35.9	-46 22	6.1	F8	Lup	46.4	-24 3	5.8	K1	Lib
12.7	-66 21	5.7	B2	Cir	23.1	-42 6	6.3	K0	Cen	35.9	+18 31	5.8	K2	Boo	46.6	-13 57	5.4	A	7 μ Lib d
12.9	-59 41	var	M4	R Cen	23.1	-65 36	5.8	K5	Cir	36.1	-48 50	6.4	F2	Lup	47.1	+38 1	5.9	F3	Boo
13.4	+19 27	0.1	K2	16 α Boo	23.4	+38 37	6.2	K2	Boo	36.2	-60 38	0.1	C+K	α Cen d	47.3	-27 45	4.4	K4	58 E Hya
13.4	- 5 46	4.1	F7	99 ι Vir	23.5	+52 5	4.1	F7	23 ϑ Boo	36.3	+43 51	5.7	K4	Boo	47.5	+46 19	5.7	F4	38 h Boo
13.5	+52 46	6.4	A2	Boo	23.7	-39 39	6.4	B9	Cen	36.7	+54 14	5.5	A0	Boo	47.8	+28 49	5.5	A3	Boo
13.7	+19 9	6.0	A	Boo	24.0	-45 55	5.8	A	Lup	36.9	-56 14	6.3	K0	Cen	47.9	+51 35	6.4	F4	Boo d
13.7	- 6 23	6.2	A3	Vir	24.1	+19 27	5.3	A5	22 f Boo	37.0	+44 37	5.4	A0	33 Boo	47.9	-15 47	5.2	F5	8 α^1 Lib
13.9	- 2 58	6.0	A0	Vir	24.3	-76 30	6.1	K0	Aps	37.9	-35 55	5.8	A0	Cen	48.0	+48 56	5.6	F6	39 Boo d
14.2	+20 21	6.3	F4	Boo d	24.8	- 5 54	6.2	A1	104 Vir	38.1	+22 11	6.5	F1	Boo	48.0	+24 7	5.7	G2	Boo
14.3	-18 21	6.4	G5	Vir	25.1	-58 58	6.4	A0	Cen	38.2	-58 24	6.2	F6	Cir	48.1	-15 50	2.8	A	9 α^2 Lib
14.4	+39 59	6.2	F2	Boo	25.2	-29 16	5.0	B8	52 ι Hya	38.3	+13 45	5.9	A8	Boo	48.2	-72 59	5.6	G5	Aps
14.4	+51 36	4.7	A7	21 ι Boo d	25.5	+41 15	6.4	F0	Boo	38.4	+16 38	4.5	A	29 π Boo d	48.4	-43 22	4.3	B6	ο Lup
14.5	+46 19	4.2	A0	19 λ Boo	25.6	- 2 0	4.8	G2	105 φ Vir d	38.4	-64 46	3.2	F0	α Cir d	48.4	- 2 6	5.0	G8	11 Lib
15.1	+15 30	5.9	M3	Boo	26.1	- 6 41	5.7	K5	106 Vir	38.6	-47 10	2.3	B2	Lup	48.4	- 0 3	6.1	K2	Lib
15.4	- 7 19	6.5	G0	Vir	26.2	+36 25	6.1	K0	Boo	38.8	+13 57	3.9	A2	30 ζ Boo d	48.5	-63 36	5.8	G3	Cir
15.4	-32 59	6.5	F0	Cen	26.3	+28 31	6.4	A0	Boo d	38.8	-37 35	4.0	B3	b Cen	48.5	+37 29	5.5	K0	Boo
15.6	+51 32	6.1	A1	Boo	26.9	+50 4	5.5	G4	24 g Boo	38.9	-30 43	6.5	B9	Cen	49.1	+19 18	4.5	G8	37 ξ Boo d
15.9	-18 29	5.9	A	Vir	26.9	-45 6	5.5	B6	Lup	39.2	+ 8 22	4.9	G8	31 Boo	49.6	-30 22	6.3	G1	Cen
15.9	+35 44	4.7	K0	A Boo	27.0	-49 18	5.4	A0	Lup	39.3	+11 52	5.6	G8	32 Boo	49.7	-37 36	5.1	B6	Cen
16.0	+48 14	6.2	F5	Boo	27.1	-67 30	5.8	G8	Gir	39.6	+21 20	6.3	G5	Boo	50.2	+59 30	5.5	K4	Dra
16.2	-61 3	5.2	A	Cen	27.3	+ 1 3	5.8	A3	Vir	40.3	-24 47	5.8	B9	4 Lib	50.4	-65 47	6.1	B4	ζ Cir
16.2	-25 35	5.9	F4	Hya	27.6	+75 55	4.2	K4	5 UMi	40.4	- 5 27	3.9	F3	107 μ Vir	50.8	+74 22	2.1	K4	7 β UMi
16.2	-45 50	3.5	B3	ι Lup	27.6	+42 1	6.4	G4	Boo	40.6	-34 58	4.0	K5	c^1 Cen	51.0	+15 54	6.4	F9	Boo d
16.2	-79 53	5.0	B3	ε Aps	27.7	+32 1	5.9	B9	Boo d	40.8	+61 28	6.2	F2	Dra d	51.1	+19 21	6.0	K1	Boo
16.4	-36 46	5.9	A0	Cen	27.8	-40 37	6.3	K2	Cen	41.2	-58 16	6.1	K0	Cen	51.4	-23 26	5.4	K2	12 Lib
16.4	-13 9	4.5	A	100 λ Vir	28.1	-38 39	6.0	K0	Cen	41.2	+26 44	var	M3	34 W Boo	51.6	-33 6	5.9	K0	Cen
16.8	-82 37	6.4	B8	Aps	28.3	+ 5 0	6.0	K4	Vir	41.3	-62 40	5.3	A7	Cir d	51.7	-11 42	5.8	G7	13 ξ^1 Lib
16.8	-56 9	4.3	B5	ν Cen	28.9	-56 40	var	F5	V Cen	41.6	-78 50	3.8	K5	Aps	51.7	-59 55	5.2	K1	Cir
16.8	+13 14	5.4	F5	18 Boo	29.2	-50 14	4.4	B2	σ Lup	41.6	-55 23	6.1	B2	Cir	52.7	-33 39	5.3	A0	Cen
16.9	+39 0	6.4	G5	Boo	29.6	+63 24	6.0	F4	Dra	41.8	+40 40	5.7	K4	Boo	52.7	-62 35	5.4	B3	Cir
17.0	- 2 2	5.2	G8	102 υ Vir	29.7	+30 35	3.6	K3	25 ρ Boo	41.8	-51 6	6.4	K0	Lup	52.7	-52 36	5.6	A2	c Lup
17.0	-42 50	5.7	G5	Lup d	30.0	-54 47	5.9	F7	Lup	41.9	-34 59	4.9	A1	c^2 Cen	52.8	-83 2	5.6	K0	π^1 Oct
17.1	+ 0 37	6.1	A3	Vir	30.0	-52 28	5.9	K0	Lup	42.6	- 1 12	6.2	M1	Vir	53.1	-47 41	5.6	B9	Lup d
17.4	+16 32	4.9	K3	20 Boo	30.1	+38 32	3.0	A7	27 γ Boo	42.8	+27 17	2.6	K0	36 ε Boo d	53.4	-39 13	6.4	A0	Cen
17.5	-44 57	4.8	A8	Lup	30.1	+26 54	6.0	A7	Boo	42.9	+17 10	4.5	K0	35 ο Boo	53.5	-32 26	6.2	K0	Cen
17.5	-37 39	4.0	A0	ψ Cen	30.2	-30 30	6.1	K0	Cen	43.0	+ 0 55	5.5	B9	108 Vir	53.5	-51 15	6.5	M1	Lup
17.7	+39 1	6.3	A2	Boo	30.3	+22 29	5.9	F2	26 Boo	43.0	+19 6	6.2	K0	Boo	53.6	+82 43	5.6	G0	Cam
18.0	+30 39	6.3	A	Boo	30.4	+60 27	6.0	F0	Dra	43.1	-25 14	5.0	F1	54 m Hya d	53.9	+14 39	5.8	B9	Boo
18.7	-83 26	4.3	K1	δ Oct	30.9	+55 37	5.8	K5	Dra	43.1	-47 14	5.7	A2	Lup	53.9	+32 30	6.1	A3	Boo d
19.0	-58 14	5.1	G4	Cen d	31.3	+37 11	6.4	F5	Boo	43.1	+33 0	6.3	M1	Boo	54.1	-11 13	5.6	K4	15 ξ^2 Lib
19.3	-34 34	5.7	B8	Cen	31.5	-59 48	6.4	K0	Cen	43.2	-15 14	6.6	K2	5 Lib	54.2	-28 57	6.2	B9	Hya
19.4	-48 6	6.3	B3	Lup d	32.0	-20 13	6.5	A0	Lib	43.2	-22 57	5.9	G5	Lib	54.2	-76 58	5.9	K0	Aps
19.9	-39 17	4.4	B3	a Cen	32.1	+32 45	6.2	F2	Boo	43.3	-20 58	6.4	F9	Lib	54.5	-74 50	6.2	B9	Aps
20.0	-50 33	6.0	K2	Lup	32.3	-41 56	2.4	B1	η Cen	43.5	-52 10	5.2	G8	b Lup	54.5	-21 11	5.8	K5	Lib d
20.2	-27 32	4.8	K5	51 k Hya	32.4	-41 18	5.8	B8	Cen	43.7	-52 0	6.3	A0	Lup	54.6	- 4 9	4.5	F0	16 Lib
20.4	-52 57	5.9	K0	Lup	32.5	+29 58	4.4	F2	28 σ Boo	43.7	+ 2 6	3.7	A0	109 Vir	54.7	-48 39	6.3	G7	Lup
20.7	+ 1 28	6.3	G3	Vir	32.6	+36 51	6.1	K5	Boo	43.7	+15 20	5.8	M5	Boo	54.7	+49 50	5.6	F7	Boo
20.7	-11 29	6.3	G7	2 Lib	32.8	+57 17	6.3	F5	Dra	43.9	-38 5	6.0	K1	Cen	54.8	+21 49	6.2	A1	Boo
20.9	+25 34	6.1	F2	Boo	32.9	+49 35	5.7	M1	Boo	44.3	-43 21	6.3	G5	Lup	54.9	+16 35	5.6	G5	Boo
20.9	+ 8 40	4.9	A1	Boo d	33.0	-46 2	5.5	K5	Lup	44.4	-21 7	6.1	K5	Lib	55.0	+ 0 2	5.6	K1	Lib
20.9	-67 58	5.6	A2	Cir	33.3	-39 23	6.2	G7	Cen	44.5	-25 25	5.7	A	55 Hya	55.2	-42 56	2.7	B2	β Lup

14^h– 15^h | 15^h | 15^h | 15^h

α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$55^m.4$	$-39°42'$	6.3	K2	Cen	$6^m.7$	$-61°14'$	6.3	G3	Cir	$18^m.2$	$-2°14'$	6.5	K0	Ser	$30^m.1$	$-16°41'$	5.5	B2	35 ζ Lib
55.5	-10 57	6.4	A0	17 Lib	6.7	+50 15	6.1	K0	Boo	18.2	-15 22	6.1	A6	29 ο Lib	30.2	+64 23	5.7	G5	Dra
55.7	-27 27	5.7	A	59 Hya	6.9	-38 36	6.0	G8	Lup	18.3	-40 34	6.2	A2	Lup	30.2	-24 19	6.4	A3	Lib d
55.9	-82 50	5.6	K0	π^2 Oct	7.3	-26 9	5.9	K0	Lib	18.4	-48 8	5.6	G2	ν^2 Lup	30.4	- 1 1	5.8	G9	11 A^1 Ser
55.9	-41 54	3.2	B2	κ Cen	7.4	-72 35	6.0	A0	Aps	18.5	- 5 39	5.6	K1	Lib	30.7	-39 54	5.9	M2	Lup
56.1	-37 41	6.5	B8	Cen	7.5	-55 9	5.6	G2	Lup	18.5	+ 0 54	5.3	K3	6 Ser	30.9	+31 32	4.2	B7	4 ϑ CrB
56.2	-42 58	6.1	F8	Lup	8.2	-45 5	5.9	K0	κ Lup d	18.6	+52 8	5.6	A1	Dra	31.1	-39 11	6.5	B9	Lup
56.2	-10 57	6.0	K3	18 Lib d	8.4	-48 33	4.0	B9	ζ Lup d	18.6	-36 5	3.6	K5	φ^1 Lup	31.4	- 9 54	4.6	K1	37 Lib
56.3	- 4 47	6.1	F6	Lib	8.7	-51 55	3.4	G8	Lup	18.6	-47 45	5.0	F7	ν^1 Lup	31.4	-84 18	5.6	A2	ρ Oct
56.8	+66 8	4.7	M5	UMi	8.9	-61 33	6.1	K2	Cir	19.0	+25 8	6.2	K0	CrB	31.6	-27 53	5.2	K4	36 Lib
56.9	+ 4 46	6.0	M1	Vir	9.0	-48 2	6.3	K2	Lup	19.0	+44 37	5.8	F0	Her	31.6	+17 18	6.4	F0	Ser
57.7	+39 28	5.5	F2	40 Boo	9.4	-19 36	4.5	A	24 ι Lib	19.1	-60 29	5.6	F8	Cir	31.7	- 5 32	6.5	G0	Lib
58.0	-37 52	6.0	K2	Cen	9.5	-44 19	4.8	B3	e Lup	19.3	-44 31	3.4	B3	ε Lup d	31.7	- 9 1	5.2	B7	Lib
58.3	- 8 19	var	A0	19 δ Lib	9.8	+19 10	5.8	M4	Boo	19.4	-59 9	4.5	B+G	γ Cir d	31.8	-41 0	2.8	B2	γ Lup
58.6	+22 14	6.4	K0	Boo	10.0	-35 54	6.1	B9	Lup	19.8	+33 6	5.3	B9	50 Boo	32.0	+80 37	6.3	G0	UMi d
58.7	- 2 33	5.7	M0	Lib	10.2	+67 58	6.1	A3	UMi	20.0	-36 41	4.5	B5	φ^2 Lup	32.1	-66 9	4.1	K0	ε Tra
58.9	-34 10	6.4	A	Cen	10.4	-23 49	6.4	B9	Lib	20.0	+12 45	6.1	B9	7 Ser	32.3	-49 20	var	M3	R Nor
58.9	+47 28	6.4	A	Boo d	10.5	-19 28	6.1	A2	25 Lib	20.8	+39 46	5.6	K4	Boo	32.4	+10 42	3.8	F0	13 δ Ser d
59.1	-27 52	5.8	A	60 Hya	10.5	+19 28	6.4	G5	Boo d	20.8	+72 1	3.1	A3	13 γ UMi	32.4	-44 48	4.5	B5	d Lup d
59.3	+ 0 3	5.8	M2	Lib	10.5	-25 7	6.4	G4	23 Lib	21.1	-12 12	5.8	G6	Lib	32.6	+26 53	2.2	A0	5 α CrB
59.9	-84 36	5.9	A0	ω Oct	10.9	-26 0	6.0	G5	Lib	21.1	+30 28	5.0	G2	2 η CrB	32.6	-77 45	6.2	K2	Aps
59.9	+25 12	4.8	K4	41 ω Boo	11.3	+23 10	6.2	A2	Boo	21.1	- 0 51	6.1	F0	8 τ^1 Ser	32.7	-14 37	3.9	G8	38 γ Lib
59.9	-32 27	5.4	B3	Lup	11.6	-31 20	4.9	F0	1 i Lup	21.5	-39 32	5.4	A0	υ Lup	32.8	-44 14	5.4	K5	Lup
0.1	+40 35	3.5	G8	42 β Boo	11.7	+38 27	6.3	K2	Boo	21.5	-10 9	4.9	F5	31 ε Lib	32.9	+77 31	5.1	K5	15 ϑ UMi
0.1	- 2 50	6.5	A2	Lib	11.7	-17 35	6.3	B9	26 Lib	21.5	-68 8	5.9	K0	TrA	33.0	-32 56	6.3	B9	Lup
0.3	+60 24	5.8	A2	Dra	12.1	+31 58	6.1	K5	Boo	21.7	+62 13	5.8	B9	Dra	33.3	+17 49	6.0	G8	15 τ^3 Ser
0.4	+ 2 17	4.4	K0	110 Vir	12.2	- 5 19	6.4	K2	Lib	21.8	+63 31	5.6	K4	Dra	33.4	+39 10	5.2	M2	6 μ CrB
0.6	-63 50	5.2	G4	η Cir	12.4	+42 21	6.2	M2	Boo	22.1	-38 33	4.6	A0	k Lup	33.5	+11 26	6.0	K0	Ser
1.1	+35 24	5.5	G8	Boo	12.4	+29 21	5.2	A2	48 χ Boo	22.4	+45 27	6.1	K2	Her	33.9	+54 5	5.9	K4	Dra
1.1	-25 5	3.3	M4	20 σ Lib	12.4	-47 53	6.2	A	Lup d	22.6	+37 33	4.3	F0	51 μ Boo v	34.0	- 0 24	6.5	F5	14 Ser
1.3	+44 50	6.4	F5	Boo	12.6	-60 43	5.7	B1	Cir	23.2	-64 21	5.7	K5	TrA	34.0	+38 32	6.4	K2	CrB
1.5	-40 40	6.4	M4	Lup	12.7	+ 5 7	5.3	K0	3 Ser	23.5	+15 36	5.2	M1	9 Ser	34.0	-27 58	3.6	K5	39 υ Lib
1.6	+ 5 41	6.3	F0	Vir d	12.8	-41 18	5.2	G5	Lup	23.6	+19 39	6.2	G0	Boo	34.0	+10 11	5.3	K0	16 Ser
1.6	+34 46	6.3	G8	Boo	12.8	-43 18	6.3	B5	Lup	23.8	+59 8	3.3	K2	12 ι Dra	34.2	+16 17	5.8	A6	18 τ^5 Ser
1.7	-46 51	4.0	B5	π Lup d	12.9	-60 46	5.1	O9	δ Cir	24.1	-36 36	5.4	B5	Lup	34.5	-26 7	6.2	B8	Lib
2.1	-40 52	5.3	K0	Lup	13.3	+ 0 33	5.7	A3	4 Ser	24.3	+34 31	5.5	K4	Boo	34.7	+54 48	5.7	A0	Dra
2.1	-71 43	6.5	K5	Aps	13.4	-63 26	4.8	K0	ε Cir	24.8	-51 25	6.2	G2	Lup d	34.7	+52 14	6.5	A8	ω Dra
2.1	+47 51	4.8	G1	44 i Boo d	13.5	-22 13	5.7	K5	Lib	25.2	+54 12	6.1	A2	Dra	34.7	-42 24	4.3	M0	$\varkappa^2$ Lup
2.3	+27 8	4.6	K2	43 ψ Boo	13.5	+33 30	3.5	G8	49 δ Boo	25.4	-16 33	5.9	K5	32 Lib	34.8	-73 17	5.6	B8	Aps
3.1	-36 4	6.4	K5	Lup	13.6	-58 37	4.1	A3	β Cir	25.5	+25 16	6.1	M1	Ser	34.9	-22 59	5.8	K0	Lib
3.2	+66 7	6.1	A0	UMi	14.1	+67 32	5.1	F8	UMi	25.8	+29 17	3.7	F	3 β CrB	35.1	-52 13	5.4	B9	Nor
3.5	-30 44	6.0	A0	Lup	14.2	-68 30	2.9	A1	γ TrA	25.9	-46 34	5.2	K	Lup	35.1	-70 4	6.4	A2	TrA
3.6	-21 50	6.1	K1	Lib	14.3	- 9 12	2.6	B8	27 β Lib	26.0	-73 13	5.5	B3	$\varkappa^1$ Aps	35.2	-28 3	6.3	K1	Lib
3.6	-65 5	6.2	K2	Cir	14.5	+69 8	6.5	A0	UMi	26.1	+ 2 1	5.1	A5	10 Ser	35.4	-20 51	5.9	G9	Lib
3.8	+48 21	5.6	A0	47 k Boo	14.8	-60 19	5.5	O9	Cir	26.8	+62 27	6.4	A0	Dra	35.4	-38 58	6.0	A3	Lup v
3.8	-16 4	5.3	K5	21 ν Lib	14.8	-29 58	4.3	K0	2 f Lup	26.9	+60 51	5.9	K5	Dra	35.6	-29 37	3.7	B2	40 τ Lib
3.9	-48 54	5.8	K0	Lup	14.9	-40 53	6.3	A	Lup	27.1	+47 22	6.0	A	Her	35.7	-75 55	5.9	A0	Aps
4.6	+36 39	6.2	F5	Boo	15.0	-47 42	4.4	B8	μ Lup d	27.7	+55 22	6.2	A2	Dra	35.8	-59 45	5.9	F8	Nor
4.8	+54 45	5.1	G8	Dra	15.6	-31 1	6.3	K0	Lup	27.7	-20 33	6.1	A2	Lib	36.0	-19 8	5.4	G8	41 Lib
4.9	-40 24	5.8	A0	Lup	15.7	-40 36	5.6	B9	Lup	27.8	-16 26	5.9	G6	34 Lib	36.0	+40 31	5.3	G8	54 φ Boo
5.0	-66 54	5.8	F	TrA	15.9	- 0 17	6.0	K5	Ser	28.4	+31 27	6.3	A	CrB	36.0	- 8 38	5.8	F6	Lib d
5.0	+18 38	6.0	A2	Boo	16.1	-67 18	6.3	B3	TrA	28.5	+62 16	6.3	K5	Dra	36.2	+54 40	5.8	K1	Dra
5.1	+25 4	4.9	F5	45 c Boo	16.2	+20 45	5.6	G5	Boo	28.5	+ 8 45	6.4	F2	Ser	36.4	-22 59	6.2	A0	Lib
5.2	+ 5 41	6.1	G6	Vir	16.3	-36 55	6.2	G5	Lup	28.8	-38 27	6.2	A3	Lup	36.6	-34 15	4.7	G8	3 ψ^1 Lup
5.2	-63 27	6.4	A	Cir	16.8	+ 1 57	5.1	F8	5 Ser d	28.8	-20 0	6.2	A4	Lib d	36.7	+46 58	5.8	F2	Her
5.3	-42 41	5.8	B7	Lup	17.1	+72 0	5.0	K4	11 UMi	29.0	+41 0	5.0	K5	52 ν^1 Boo	36.9	+34 50	6.0	K0	CrB
5.5	-45 5	4.0	B3	λ Lup	17.5	+32 42	6.1	A	Boo	29.5	+36 47	6.2	F5	Boo	37.1	+50 35	5.8	G5	Dra
6.2	+26 30	5.6	K2	46 b Boo	18.1	-17 59	6.2	G8	28 Lib	29.7	-19 30	5.5	A	Lib	37.1	-31 3	6.5	K2	Lup
6.4	+25 18	5.8	K1	Boo	18.1	+29 48	5.5	K0	1 ο CrB	29.9	+16 13	6.1	B8	12 τ^2 Ser	37.3	-23 39	5.1	K4	42 Lib
6.5	+13 25	5.9	G6	Boo	18.1	-40 28	3.2	B2	δ Lup	30.0	+41 4	4.9	A3	53 ν^2 Boo	37.4	-47 34	6.3	K5	Lup

15^h					15^h					15^h–16^h					16^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$37^m.5$	$+36°48'$	4.7	B7	7 ζ CrB d	$49^m.0$	$-62°27'$	6.2	K0	TrA	$57^m.5$	$-16°23'$	5.5	F8	49 Lib	$7^m.2$	$-3°20'$	5.4	K4	Ser
37.5	+69 27	5.7	M0	UMi	49.1	+21 8	4.8	K5	38 ρ Ser	57.7	+50 1	5.9	F0	Her	7.9	-40 59	5.8	F0	Sco
37.7	-44 30	4.6	F5	g Lup	49.1	-29 44	6.4	K1	Lup	58.1	- 8 16	5.6	A0	50 Lib	7.9	-29 17	5.2	K3	Sco
37.8	+12 13	6.2	G8	Ser d	49.2	-50 28	6.4	K2	Nor	58.2	-31 45	6.4	K0	Lup	8.1	+58 4	6.3	A0	Dra
38.1	+58 5	6.3	K0	Dra	49.3	+35 49	4.6	K0	11 κ CrB	58.4	+ 4 34	5.7	K0	Ser	9.1	-19 20	3.9	B2	14 ν Sco d
38.7	+16 11	6.0	G5	19 τ^6 Ser	50.4	-20 1	5.0	B3	45 λ Lib	58.5	-62 24	6.2	A0	TrA	9.1	+ 9 50	6.4	A3	Ser
39.0	-49 20	6.1	K0	Nor	50.5	-68 27	5.1	G6	κ Tra	59.0	+17 57	5.1	K0	5 r Her	9.2	-28 17	5.7	B9	12 c^1 Sco d
39.1	-19 31	4.7	K5	43 κ Lib	50.6	-25 11	4.6	B2	2 A Sco d	59.1	+33 27	5.4	G2	15 ρ CrB	9.2	+16 48	5.9	A0	q Her
39.3	+19 50	4.5	A1	21 ι Ser	50.6	-60 36	6.1	B8	TrA	59.4	+29 59	5.0	A0	14 ι CrB	9.2	-27 48	4.6	B2	13 c^2 Sco
39.4	-37 16	5.3	K0	h Lup	50.7	+17 33	6.4	K0	Ser	59.5	-57 38	4.6	A5	υ^1 Nor d	9.3	- 9 56	4.9	A2	15 ψ Sco
39.4	+13 0	5.3	A	20 χ Ser	50.7	-63 17	2.8	F2	β TrA	59.5	-49 6	4.6	G5	η Nor	9.4	-53 33	6.0	M0	Nor
39.5	-34 33	4.7	B6	4 ψ^2 Lup	50.9	+13 21	6.1	G2	39 Ser	59.6	-29 0	6.2	K0	Sco	9.4	-55 25	5.8	F2	Nor
39.7	+18 37	5.7	A2	22 τ^1 Ser	50.9	-24 23	5.4	B6	Sco	0.1	-38 28	4.9	B7	Lup	9.4	- 8 25	5.5	A3	16 Sco
40.2	-54 50	var	M3	T Nor	50.9	+42 35	4.6	F9	1 χ Her	0.1	+22 57	4.8	A3	44 π Ser	9.5	+23 37	6.0	M4	10 Her
40.6	-14 53	6.4	K0	Lib	50.9	-23 50	5.4	B2	Sco	0.3	-25 44	5.1	K5	Sco	9.5	-54 30	5.1	G4	κ Nor
40.6	+26 27	3.8	A0	8 γ CrB	51.0	-16 35	4.1	K0	46 ϑ Lib	0.3	-72 16	5.7	K0	Aps	9.8	+33 28	6.3	K2	CrB d
40.8	+13 50	6.3	G8	Cer	51.1	+55 58	5.8	G8	Dra	0.4	-31 52	6.1	F5	Lup	10.0	+36 33	5.5	K4	CrB
41.0	-41 40	5.9	A0	Lup d	51.3	+16 13	6.0	F2	Ser	0.8	+53 3	6.0	K5	Dra	10.1	+42 30	5.8	K4	Her d
41.3	-15 31	5.4	A5	44 η Lib	51.3	-60 2	5.8	A	Nor d	0.9	-24 35	6.4	K0	Sco	10.3	- 4 6	6.1	A0	Oph
41.5	+52 31	5.4	A	Dra	51.5	-27 12	6.1	B7	Sco	0.9	+58 42	4.0	F8	13 ϑ Dra	10.7	+26 48	6.3	F2	Her
41.5	+ 2 40	5.7	G5	23 ψ Ser	51.7	-25 6	5.9	B7	Sco	1.1	-33 5	6.2	F0	Lup	10.7	-24 18	6.4	B7	Sco
41.8	+ 6 35	2.6	K2	24 α Ser	51.9	-60 20	5.8	A1	Tra	1.1	+47 23	var	M6	X Her	10.8	+ 5 9	5.5	K5	9 Her
42.0	+32 40	5.4	G9	9 π CrB	52.1	-19 14	5.9	B5	47 Lib	1.2	+46 10	4.6	A	6 υ Her	10.9	-63 34	3.8	G2	δ Tra
42.4	+17 25	5.9	A0	26 τ^8 Ser	52.3	+ 8 44	6.2	A2	40 Ser	1.3	+ 5 7	6.0	G9	43 Ser	11.1	-11 43	5.5	K3	17 χ Sco
42.9	+ 5 36	5.6	A0	Ser	52.4	+20 27	5.4	K4	Ser	1.3	-37 44	6.0	F5	Lup	11.2	-32 53	6.1	G9	Sco
43.1	+ 1 3	6.3	K0	Ser	52.4	-30 56	6.3	K0	Lup	1.5	+36 46	5.8	F5	CrB	11.5	-20 59	6.3	A0	Sco
43.2	-27 54	6.5	A5	Lib	52.5	-26 7	5.6	A3	4 Sco	1.6	-11 14	4.2	F5	ξ Sco d	11.6	-47 15	5.4	B8	ϑ Nor
43.3	-65 17	5.7	A5	^{2}TrA d	52.8	-39 43	6.1	B9	Lup	2.2	+59 33	6.0	M1	Dra	11.7	-57 47	5.9	A0	Nor
43.5	- 1 39	5.4	B8	25 A Ser	53.0	+43 17	5.4	M3	2 Her	2.5	-19 40	2.5	B0	8 β Sco d	11.7	- 3 34	2.7	M1	1 δ Oph
43.5	-34 32	5.6	B6	Lup	53.4	+18 46	6.1	B7	Ser	2.9	-45 2	4.7	A	δ Nor	11.8	-18 25	6.4	K2	Sco
43.9	+15 35	3.7	A2	28 β Ser d	53.4	-14 15	6.4	F4	Lib	3.1	- 6 9	6.4	F5	Oph d	11.8	+ 6 2	6.3	K3	Her
44.0	+ 7 31	4.4	G0	27 λ Ser	53.4	-48 1	6.3	F2	Nor	3.1	-23 28	5.9	B9	Sco	11.9	-25 21	6.0	B8	Sco
44.1	-40 2	6.4	G5	Lup	53.7	-33 49	4.8	A1	ξ Lup d	3.2	+ 8 14	6.1	A	Ser	11.9	-42 46	6.2	K2	Nor
44.1	- 5 58	6.4	K0	Lib	53.7	-14 41	6.1	A2	Lib	3.3	-36 40	4.2	B2	ϑ Lup	12.1	-67 49	5.7	A3	TrA
44.2	+15 41	var	M6	R Ser	53.8	-29 4	3.9	B2	5 ρ Sco	3.3	- 6 0	6.5	K0	Oph	12.2	+76 0	5.5	B8	19 UMi
44.2	-37 46	6.0	G6	Lup	53.8	+42 43	5.6	B8	4 Her	3.4	-56 3	6.3	F0	Nor	12.2	+67 16	6.1	G8	Dra
45.0	+14 16	5.7	A2	31 υ Ser	54.0	+38 5	5.4	F2	12 λ CrB	3.9	-20 32	4.0	B1	9 ω^1 Sco	12.8	-53 41	5.4	M2	Nor
45.1	-52 17	6.0	K0	Nor	54.1	-36 2	6.0	G1	Lup	4.0	-36 37	5.7	F1	Lup	12.8	-78 34	4.7	M4	δ^1 Aps
45.4	+55 38	5.8	K3	Dra	54.1	+15 49	3.8	F6	41 γ Ser	4.3	-13 56	6.3	G4	Sco	12.8	+33 59	5.4	F6	17 σ CrB d
45.8	+77 57	4.3	A3	16 ζ UMi	54.4	-64 54	5.7	B8	TrA	4.5	-20 44	4.3	G2	10 ω^2 Sco	12.9	- 8 14	5.5	G1	18 Sco
45.9	+13 57	6.0	K2	Ser	54.7	-20 50	5.8	B3	Sco	4.8	-12 37	5.6	A0	11 Sco	12.9	-78 33	5.3	K5	δ^2 Aps
45.9	+62 45	5.2	A2	Dra	54.9	+59 3	6.2	B9	Dra	4.9	-24 20	6.3	B7	Sco	13.0	-14 44	6.1	A0	Sco
46.3	-53 3	5.8	B8	Nor	54.9	+14 33	5.5	K1	φ Ser	5.1	-26 12	5.4	M2	Sco	13.3	+18 56	5.7	K3	16 Her
46.3	- 3 40	5.6	A	Lib	55.2	-37 22	6.4	G9	Lup	5.1	+76 56	5.5	A0	UMi	13.3	-49 57	5.0	F8	γ^1 Nor
46.3	-48 46	5.8	A2	Nor	55.4	-14 8	4.8	B	48 Lib	5.2	-57 48	5.8	B9	ι^2 Nor	13.5	-52 58	6.3	A5	Nor
46.4	+55 32	5.7	A	Dra	55.5	+27 1	4.2	K3	13 ε CrB	5.2	+21 57	6.1	K4	Her	13.7	+27 33	6.1	K2	Her
46.5	+18 18	4.1	M1	35 κ Ser	55.6	-24 41	5.4	B3	Sco	5.2	-38 58	5.8	A0	Sco d	13.8	+75 20	6.4	K3	20 UMi
46.5	+28 19	var	F	R CrB	55.7	+39 50	6.3	K0	CrB	5.2	+10 1	5.6	A5	45 Ser	14.0	-21 11	6.5	B9	Sco
46.8	-45 15	6.1	A	Nor	55.8	-25 58	2.9	B1	6 π Sco	5.7	-23 33	5.9	B9	Sco	14.3	- 3 50	6.1	A6	Oph
47.0	- 3 17	3.6	A0	32 μ Ser	56.0	-53 53	6.4	B5	Nor	5.8	+17 11	5.0	G8	7 κ Her d	14.7	+29 16	5.8	A3	18 υ CrB
47.2	-54 54	5.7	B2	Nor d	56.1	-41 36	5.0	G8	Lup	6.1	+ 8 40	5.7	M3	47 Ser	14.9	-57 46	var	G0	S Nor
47.5	+26 13	4.6	G5	10 δ CrB	56.6	-40 31	6.3	K0	Lup	6.2	+67 57	5.4	A0	Dra	15.2	-28 29	4.8	A0	d Sco
47.8	+ 2 21	5.2	G8	34 ω Ser	56.6	+54 53	5.0	F0	Dra	6.3	-32 31	6.3	G2	Sco d	15.4	+73 31	6.0	A0	UMi
47.8	-33 29	3.9	A	5 χ Lup	56.7	-63 38	var	G5	S TrA	6.5	+ 3 35	6.0	K5	Ser	15.7	- 4 34	3.2	G9	2 ε Oph
48.0	-46 55	6.0	K0	Nor	56.8	-38 15	3.4	B2	η Lup d	6.5	+17 20	6.0	A0	8 Her	15.8	-42 33	5.4	A3	λ Nor
48.0	-25 36	4.6	B2	1 b Sco	57.1	+36 47	5.5	K5	CrB	6.7	-33 25	5.6	B8	Sco	16.1	-50 2	4.0	G8	γ^2 Nor
48.3	+ 4 38	3.7	A	37 ε Ser	57.2	-54 26	6.1	A3	Hor	6.7	+ 6 31	6.0	K0	Ser	16.2	-14 45	6.1	K4	Sco
48.4	+15 17	var	M7	R Ser	57.4	-22 29	2.3	B0	7 δ Sco	7.0	-18 13	6.4	F6	Sco	16.2	-20 6	6.3	K5	Sco
48.7	- 2 56	5.2	A2	36 b Ser	57.4	+26 4	var		T CrB	7.1	+36 37	4.7	K0	16 τ CrB	16.4	-30 47	5.4	F5	Sco d
48.8	-13 59	6.2	G5	Lib	57.5	-40 18	6.2	A0	Lup d	7.2	+45 4	4.2	A	11 φ Her	16.4	-55 1	5.9	G8	Nor

16^h					16^h					16^h					$16^h - 17^h$				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$16^m.4$	+59°53'	var	M4	AT Dra	$28^m.3$	−16° 30'	4.3	G8	8 φ Oph	$40^m.4$	−38° 4'	6.2	A0	Sco	$51^m.1$	−42°17'	3.6	K5	ζ^2 Sco
17.2	−39 19	6.2	A0	Sco d	28.3	−26 26	6.2	K0	Sco	40.4	−41 1	6.2	B8	Sco	51.1	+31 47	5.3	A8	53 Her
17.6	−24 3	4.5	A5	19 ο Sco	28.4	+20 35	5.2	G8	s Her	40.6	+64 41	4.8	K1	18 g Dra	51.4	−30 30	6.3	A5	Sco
17.8	+49 9	6.0	K6	Her	28.4	+ 2 6	3.8	A1	10 λ Oph	40.7	+79 1	6.3	G9	UMi	51.5	−41 4	5.8	O8	Sco
17.9	+21 15	5.9	G7	Her	28.5	+79 4	5.5	A3	UMi	40.7	−53 4	6.0	K0	Ara	51.6	− 1 32	6.2	F0	Oph
18.1	−25 28	2.9	B1	20 σ Sco d	28.7	+49 4	6.2	A0	34 Her	41.2	+39 1	3.5	G7	44 η Her	51.6	+10 15	4.3	B8	25 ι Oph
18.2	+68 40	6.3	K0	Dra	28.8	−70 53	5.5	G8	Aps	41.2	−27 22	6.4	A0	Sco	51.9	−11 43	6.5	A0	Oph
18.2	+39 50	5.4	A9	Her	29.1	+22 18	5.8	K5	Her	41.2	−40 45	5.7	B3	Sco	51.9	+47 30	6.2	K2	Her
18.2	+46 26	3.9	B5	22 τ Her	29.2	−21 22	4.5	A	9 ω Oph	41.6	−67 1	5.1	A	TrA	51.9	− 6 4	5.4	K2	23 Oph
18.7	−49 27	5.5	B6	Nor	29.2	+35 20	6.3	K5	Her	41.8	−86 17	6.0	A3	Oct	52.0	−45 1	var	M5	RS Sco
18.9	+75 52	5.0	A8	21 η UMi	30.1	+ 5 38	5.5	B8	28 n Her	41.9	−28 25	6.0	A2	Sco	52.5	−52 12	6.2	A0	Ara
18.9	−43 48	6.0	G5	Nor d	30.3	+11 36	4.8	K4	29 h Her	41.9	+55 47	6.2	A	Dra	52.7	−33 26	6.4	K2	Sco
19.5	+ 1 9	4.8	F0	50 σ Ser	30.3	+45 42	5.6	F9	Her d	42.0	+34 8	5.8	F0	Her	52.8	+21 2	5.3	G8	Her
19.7	+19 16	3.7	A9	20 γ Her d	30.5	−43 56	4.9	B0	μ Nor	42.1	−58 25	5.9	B3	Ara	53.0	+13 42	6.1	F2	Her
20.1	− 1 58	6.1	B9	Oph	30.9	−65 24	5.5	G9	ϑ Tra	43.0	+ 1 7	6.0	B9	16 Oph	53.0	+25 49	6.1	G5	56 Her d
20.1	+31 0	4.7	K0	19 ξ CrB	31.5	−45 8	6.4	K0	Nor	43.1	−58 15	5.5	B0	Ara	53.1	−40 45	6.2	B0	Sco
20.5	+33 55	5.3	M2	20 ν^1 CrB	31.7	+60 56	5.8	A0	Dra	43.1	+15 50	5.6	M3	Her	53.1	−16 44	6.5	K2	Oph
20.6	+33 49	5.3	K5	21 ν^2 CrB	32.2	+72 43	6.3	K0	UMi	43.4	−68 56	1.9	K4	α TrA	53.2	+18 31	5.4	K4	54 Her
20.6	−39 5	5.4	G5	Sco	32.5	+42 32	4.2	B9	35 σ Her	43.4	−39 17	5.5	G8	Sco	53.4	−30 30	var	M6	RR Sco
20.8	−63 1	6.3	A2	TrA	32.8	+77 33	6.3	K1	UMi	43.4	+ 8 40	5.2	K5	43 i Her	53.8	−23 4	5.6	A0	24 Oph
21.0	+32 27	6.1	A3	23 Her d	32.8	−28 7	2.8	B0	23 τ Sco	43.6	+43 18	6.0	K4	Her	53.9	−33 11	5.5	K5	27 Sco
21.2	−19 55	4.5	K0	4 ψ Oph	32.9	−42 45	5.6	O9	Nor	43.8	−25 26	6.5	G6	25 Sco	54.1	−19 28	6.1	B8	Oph d
21.2	−37 27	5.4	B8	Sco	33.1	−35 9	4.2	K6	H Sco	44.3	+56 52	4.8	F2	Dra	54.2	−69 12	5.8	A0	TrA
21.3	−45 14	6.5	A2	Nor	33.2	+17 10	6.3	A2	Her	44.6	+ 2 9	6.0	A2	19 Oph d	54.4	−50 34	5.7	B9	Ara
21.5	−29 35	5.5	G0	Sco d	33.7	− 2 13	5.7	K0	12 Oph	45.3	+77 36	6.0	F1	UMi	54.5	−55 55	3.1	K5	ζ Ara
21.7	+ 7 4	5.8	A0	21 o Her	34.4	−10 28	2.6	O9	13 ζ Oph	45.3	+ 5 20	6.1	A0	45 ι Her	54.7	−10 53	6.2	G8	Oph
21.9	+69 14	5.3	K2	Dra	34.4	−60 53	6.2	B8	Ara	45.5	−58 57	3.8	K5	Ara	55.3	+ 9 27	3.3	K2	27 κ Oph
22.6	−23 19	4.8	B3	5 ρ Oph d v	34.4	+15 36	6.3	A	Her	45.6	−14 49	6.1	A0	Oph	55.5	+25 26	6.5	G5	57 Her
23.1	−69 58	4.9	G0	ζ TrA	34.6	−83 9	6.4	K5	Oct	45.7	+42 20	6.0	M4	Her	55.5	−37 33	6.1	A3	Sco
23.1	+14 9	4.6	A	24 ω Her	34.7	+46 43	5.8	G6	Her	45.8	+13 43	6.2	G7	Her	55.6	−53 5	4.0	K3	ε^1 Ara
23.1	+61 49	5.5	G7	Dra d	34.9	−43 18	6.1	B3	Sco d	45.6	−15 35	6.1	A3	Oph	55.6	+24 23	6.2	K0	Her
23.3	−63 57	5.3	F4	ι TrA d	34.9	−78 56	6.5	K2	Aps	45.9	−34 12	2.3	K2	26 ε Sco	55.7	+65 13	4.9	F6	19 h Dra
23.3	+61 38	2.8	G8	14 η Dra d	35.0	+53 0	4.7	A0	16-17 Dra d v	47.0	−65 17	6.1	B8	TrA	55.8	−14 48	6.5	F2	Oph
23.3	+55 19	5.7	A2	Dra	35.3	− 6 26	6.0	A0	Oph	47.1	−10 42	4.6	F5	20 Oph	56.0	−54 31	5.6	A2	Ara
23.5	−47 27	4.5	B3	ε Nor d	35.5	+13 47	6.2	F2	Her	47.2	−67 36	6.3	K2	TrA	56.2	+65 7	6.4	F0	20 Dra
23.6	+37 30	5.5	A3	25 Her	35.7	−37 7	6.1	A0	Sco	47.3	+13 21	6.0	A1	Her d	56.3	+42 35	6.3	K3	Her
23.6	+19 0	var	M7	U Her	35.9	−77 25	4.2	K0	β Aps	47.6	−37 26	6.2	A	Sco d	56.7	−48 34	6.0	G5	Ara
23.8	+11 31	6.1	K0	Her	36.2	−68 12	5.9	B7	η^1 TrA	47.8	− 2 34	6.3	F2	Oph	56.9	+25 1	5.9	M3	Oph
24.0	−58 29	5.8	B9	Nor	36.4	+63 10	6.3	K5	Dra	47.8	+46 4	4.8	A	52 Her	57.1	−24 55	5.8	F4	26 Oph
24.1	−18 21	var	B2	7 χ Oph	36.4	−60 21	6.2	F6	Ara	47.9	+ 7 20	5.5	A	47 k Her	57.3	+73 12	6.2	A5	UMi
24.3	+ 2 28	6.1	G5	Ser	36.9	− 9 27	6.4	F5	Oph	48.1	−41 9	5.5	O8	Sco	57.3	−35 52	6.0	K0	Sco
24.9	−37 4	5.9	K0	Sco	37.0	+56 7	5.3	K1	Dra	48.1	+43 31	6.2	K0	Her	57.4	−58 53	6.1	B2	Ara
25.0	− 7 29	5.4	M2	Oph	37.4	+49 2	5.9	M2	42 Her	48.5	−37 58	3.1	B1	μ^1 Sco	58.0	+ 6 39	6.4	A5	Oph
25.1	− 8 16	4.6	A	3 υ Oph	37.6	−48 40	5.6	O7	Ara d	48.7	+29 53	5.7	M1	50 Her	58.4	+31 0	3.9	A0	58 ε Her
25.6	−57 39	6.0	K0	Nor	37.6	−20 19	6.5	G9	Oph	48.8	+32 38	6.1	K0	Her	58.4	− 4 9	4.8	K4	30 Oph
25.7	−78 47	3.9	K0	γ Aps	37.9	−49 33	5.6	B1	Ara	48.9	+ 1 18	5.4	A0	21 Oph	58.4	+56 46	5.9	K1	Dra
26.0	+ 0 47	5.3	K4	Oph	38.2	+ 4 19	5.4	A0	36+37 Her v	48.9	−37 56	3.6	B2	μ^2 Sco	58.6	−32 4	5.1	B8	Sco
26.1	−46 0	5.3	B2	Nor	38.3	−67 20	6.0	A0	TrA	49.0	+41 59	6.2	K3	Her	58.9	+22 42	5.6	K3	Her
26.1	− 8 1	6.4	F3	Oph d	38.5	−33 3	5.8	G2	Sco	49.7	+24 44	5.1	K2	51 Her	58.9	−18 49	6.4	K0	29 Oph
26.3	−26 19	var	M1	21 α Sco	38.5	+12 29	5.9	A2	Her	49.8	−57 50	5.9	M0	Ara	59.1	−53 10	5.4	F7	ε^2 Ara
26.4	−61 32	5.1	G8	Tra	38.6	−24 22	6.1	A5	Oph	49.8	+15 3	6.4	A	49 R Her	59.2	+27 16	6.3	F5	Her
27.0	−14 27	5.8	G2	Oph	38.6	− 0 54	6.3	A5	Oph	50.2	−42 58	5.7	M4	Sco	59.3	+15 1	6.3	A	Her
27.0	+41 59	var	M6	30 g Her	38.7	−17 39	5.0	G8	Oph	50.5	−41 55	6.3	B1	Sco	59.3	−68 13	6.3	M2	TrA
27.2	−25 0	4.8	B2	22 i Sco	38.9	+24 57	6.1	K2	Her	50.5	−42 17	4.8	B1	ζ^1 Sco	59.6	+ 8 31	6.2	A0	Oph d
27.4	+51 31	6.2	K1	Dra	39.0	−19 50	5.6	F6	Oph	50.5	−20 20	5.9	G3	Oph	59.8	+33 38	5.2	A3	59 d Her
27.8	− 7 24	6.4	A7	Oph	39.2	+ 1 17	5.8	F2	14 Oph	50.5	−41 43	5.3	B0	Sco	0.0	−47 5	6.3	A2	Ara
28.1	+21 36	2.8	G8	27 β Her	39.4	+31 42	2.8	G0	40 ζ Her	50.7	−41 46	6.5	B0	Sco	0.1	−57 39	5.9	B5	Ara
28.1	+68 53	4.9	B9	15 A Dra	39.4	−45 59	6.3	F5	Ara	50.7	−63 11	6.1	A0	Ara	0.3	+25 34	5.8	G7	Her
28.1	−34 36	4.2	B2	N Sco	39.6	+27 1	5.9	F2	39 Her	50.9	−42 24	5.9	F4	Sco	0.4	−38 5	5.9	F3	Sco
28.2	−41 43	5.3	B1	Sco	40.3	−41 2	6.3	A3	Sco	51.0	+82 7	4.3	G5	22 ε UMi	0.6	+60 43	6.1	K1	Dra

17^h α	δ	mag	sp	const
$0^m.8$	+14°10'	5.5	M3	Her
1.4	+13 40	5.7	A1	Her
1.4	−45 26	6.4	A2	Sco
1.5	−34 3	4.9	B1	k Sco
1.7	+35 29	6.5	M4	61 Her
1.7	+13 38	6.1	K1	Her
1.8	−20 26	6.2	B3	Oph
2.0	+64 40	5.9	G5	Dra
2.1	+34 52	6.0	A3	Her
2.2	−44 2	6.4	A3	Sco
2.5	+19 40	6.1	B9	Her
2.7	+ 0 46	5.8	F8	Oph
3.0	−37 10	6.1	A2	Sco d
3.0	− 0 50	5.6	B1	Oph
3.1	+12 48	4.9	A3	60 Her
3.1	−35 23	6.1	O9	Sco
3.2	−21 30	6.3	A0	Oph
3.2	+75 22	6.2	F0	UMi
3.5	+48 52	6.2	K1	Her
3.6	+43 53	6.2	A0	Her
3.8	−26 27	6.2	A0	Oph
3.9	+10 31	6.4	G8	Oph
4.2	+22 9	5.6	K4	Her
4.3	− 1 35	6.2	A2	Oph d
4.3	+54 32	5.1	F6	21 μ Dra d
5.3	−17 33	6.1	K0	Oph
5.6	−30 20	5.8	A4	Sco
5.6	− 1 1	6.0	A0	Oph
6.1	+40 35	6.2	A8	Her
6.3	+36 0	5.3	A5	c Her
6.3	− 3 49	6.4	G5	Oph
6.7	−70 40	6.2	K0	Aps
7.0	−10 28	5.6	F5	Oph
7.1	+50 54	6.2	B9	Dra
7.1	−44 30	5.1	G4	Sco
7.5	−15 40	2.4	A2	35 η Oph
7.8	−48 49	6.0	M1	Ara
7.9	+40 50	5.0	K3	Her
8.2	−67 8	5.8	K0	Ara d
8.4	+12 32	6.4	A	Her
8.6	−43 11	3.3	F0	η Sco
8.6	+65 47	3.2	B6	22 ξ Dra
8.8	−39 27	5.6	A0	Sco
8.8	−38 47	6.4	K1	Sco
9.0	+24 18	6.2	A3	63 Her
9.2	−25 12	6.3	A0	Oph
9.3	−27 42	6.1	B9	Oph
9.3	+ 7 57	6.1	K0	Oph
9.4	+52 28	6.0	B9	Dra
9.7	−32 23	6.0	B1	Sco
10.0	−56 50	6.2	B9	Ara
10.1	−74 29	6.2	A0	Aps
10.1	+10 39	5.3	M2	37 Oph
10.4	+49 48	6.0	A2	Her d
12.0	−33 30	5.5	O8	Sco
12.1	+62 56	5.4	A3	Dra
12.2	−38 32	6.0	G3	Sco
12.3	−26 32	4.6	K0	36 A Oph d
12.4	+14 27	var	M5	64 α Her d
12.5	−14 32	6.2	K1	Oph

17^h α	δ	mag	sp	const
$12^m.7$	−30° 9'	6.2	A0	Sco
13.0	+24 54	3.1	A3	65 δ Her d
13.0	−35 41	6.1	F7	Sco
13.3	+36 52	3.2	K3	67 π Her
13.6	+23 48	6.0	K2	Her
13.7	+ 2 14	6.0	A0	Oph
13.8	−32 36	5.6	F6	Sco
14.0	+ 1 16	var	B5	38 U Oph
14.0	− 6 12	6.2	K0	Oph
14.0	− 0 23	4.7	K2	41 Oph
14.8	−59 39	6.0	K2	Ara
15.0	−24 14	5.1	K1	39 o Oph d
15.1	−32 30	6.4	B6	Sco
15.2	−44 5	5.8	B9	Sco
15.3	−46 35	5.5	G8	Ara d
15.4	−16 16	6.5	K5	Oph
15.5	+33 9	var	B3	68 u Her d
15.5	−34 56	5.9	K5	Sco d
15.6	−50 1	6.5	F1	Ara
15.9	+17 22	5.9	A1	Her
15.9	+60 43	var	G9	VW Dra
15.9	+37 21	4.8	A2	69 e Her
16.3	+10 55	5.0	K4	e Oph
16.4	+ 6 8	6.4	F0	Oph
16.5	−70 4	5.4	B8	ι Aps v
16.7	+38 52	5.8	G7	Her
16.8	−67 43	4.8	K1	ζ Aps
16.8	+28 52	5.5	G8	Her
17.0	−17 42	6.0	A0	Oph d
17.3	− 5 52	6.3	G5	Oph
18.0	−21 4	4.4	F2	40 ξ Oph
18.0	−12 48	4.3	A1	53 ν Ser d
18.1	−10 39	6.4	F0	Ser
18.1	+18 6	5.0	M2	Her
18.1	+25 35	5.3	A3	Her
18.6	−57 58	5.9	K0	Ara
18.7	−41 4	6.4	K5	Sco
18.8	+32 32	5.4	G2	72 w Her
18.8	+24 37	4.9	A1	70 Her
18.9	−56 29	5.8	G8	Ara
18.9	−24 57	3.3	B2	42 ϑ Oph
18.9	+46 17	5.6	M0	74 Her
19.2	+48 14	6.2	F5	Her
19.2	−37 45	6.4	B4	Sco
19.3	−35 52	6.4	F9	Sco
19.3	−62 49	5.9	B2	Ara
19.5	−47 25	5.2	B3	ι Ara
19.5	−37 10	5.9	G9	Sco
19.6	+28 48	6.3	F8	Her
19.8	−60 38	6.0	B8	Ara
20.1	+40 1	5.6	F8	Her
20.2	−28 6	5.4	K5	43 Oph
20.2	− 2 2	6.3	G5	Oph
20.6	−44 7	5.1	B6	Sco
20.7	+53 28	5.8	K5	Dra
21.1	−55 29	2.8	K3	β Ara
21.2	−56 20	3.3	B1	γ Ara
21.6	+ 8 54	5.7	K1	Oph
21.7	−18 24	6.4	A0	Oph
21.7	−21 24	6.0	G7	Oph

17^h α	δ	msg	sp	const
$21^m.7$	−34°39'	6.3	A0	Sco
22.0	+37 11	4.2	A	75 ρ Her d
22.0	+23 0	5.7	A4	73 Her
22.0	−24 12	6.3	K1	Oph
22.1	−80 49	5.9	M3	Ara
22.1	−50 35	5.2	K1	α Ara
22.3	+16 21	5.6	A3	Her
22.3	+15 39	6.2	B9	Her d
22.4	+38 38	6.4	F7	Her
22.7	+37 0	6.4	G5	Her d
23.0	−51 54	6.5	B8	Ara
23.2	−45 48	5.3	B9	Ara d
23.3	−50 35	6.1	A0	Ara
23.3	−24 8	4.2	A9	44 b Oph
23.4	− 1 37	6.3	F5	Oph
23.4	+80 11	5.7	K5	UMi
23.4	−63 0	6.4	B9	Ara
23.7	+16 58	6.1	M4	Her
23.8	−25 54	6.3	A0	Oph
23.9	+ 7 38	5.9	G	Oph
24.0	−52 15	5.8	K2	Ara
24.0	− 5 3	4.5	F3	Oph
24.0	+26 55	6.3	A5	Her
24.0	+ 4 11	4.3	K3	49 σ Oph
24.2	−29 49	4.3	F5	45 d Oph
24.2	−12 28	6.3	F5	Oph
24.4	−29 41	5.9	A0	Oph
24.5	−55 8	6.0	G8	Ara
24.7	+20 7	5.4	B6	Her
25.0	+34 44	5.9	A1	Her
25.0	+60 5	5.8	A2	Dra
25.2	+67 21	6.4	K1	Dra
25.3	− 8 10	6.3	F8	Oph
25.3	+58 42	6.5	A2	Dra
25.4	+48 18	5.8	A2	77 x Her
25.5	−36 44	6.0	K1	Sco
26.0	−38 29	6.4	A2	Sco
26.3	+ 0 22	5.1	A5	Oph
26.6	−60 39	3.6	B8	δ Ara
27.1	− 5 53	6.4	G5	Oph
27.1	−56 53	6.3	B8	Ara
27.4	−37 15	2.7	B3	34 υ Sco
27.8	− 1 1	5.3	G8	Oph d
28.0	−49 50	2.9	B2	α Ara
28.0	+11 58	6.3	A2	Oph
28.1	−46 0	6.3	F8	Ara
28.4	−23 56	4.8	A1	51 c Oph
28.5	−33 40	6.5	K0	Sco
28.6	−26 14	6.0	B9	Oph
28.7	+26 9	4.4	K4	76 λ Her
28.8	+ 2 46	5.5	G3	Oph
29.0	+38 55	6.4	F2	Her
29.0	+31 12	5.7	G8	Her
29.1	−34 15	6.3	F2	Sco
29.3	+52 20	2.9	G2	23 β Dra
29.6	−41 8	6.1	B9	Sco
29.9	+28 27	5.6	B9	78 Her
29.9	+11 58	6.1	A0	Oph
29.9	+57 55	6.4	K2	Dra
30.2	−37 4	1.6	B1	35 λ Sco

17^h α	δ	mag	sp	const
$30^m.8$	− 5°43'	5.7	A3	Oph
31.1	−59 49	6.4	A0	Ara
31.2	+55 13	4.9	A	24 ν^1 Dra
31.2	+19 17	5.5	F4	Her
31.3	−53 19	6.3	A0	Ara
31.3	+55 12	4.8	A	25 ν^2 Dra
31.4	+16 21	5.5	K0	Her
31.4	−32 33	5.7	O7	Sco d
31.5	+40 17	5.6	K1	Her
31.9	−46 28	4.6	A0	σ Ara
32.0	−11 13	5.6	B8	Ser
32.2	+68 10	5.0	K0	27 f Dra
32.2	+16 32	6.3	A5	Her
32.2	+ 9 37	5.6	A2	53 f Oph d
32.3	−22 1	6.5	A0	52 Oph
32.6	+12 36	2.1	A5	55 α Oph
32.7	+57 35	6.1	F2	Dra
33.1	−38 36	4.3	K0	Q Sco
33.6	−50 2	5.9	G8	Ara
33.7	−42 58	1.9	F0	ϑ Sco
33.9	+21 2	5.8	A7	Her d
34.0	−54 28	5.2	A7	Ara
34.0	+37 20	6.0	G9	Her
34.0	−38 2	6.4	K0	Sco
34.2	+28 13	6.3	K5	Her
34.5	+61 55	5.2	G1	26 Dra
34.6	−42 51	6.1	B9	Sco
34.7	+30 49	5.7	A7	Her
34.7	−15 22	3.5	F0	55 ξ Ser
34.7	−15 33	5.9	A5	Ser
35.1	− 8 5	4.6	B8	57 μ Oph
35.3	+48 36	5.4	K1	82 γ Her
35.4	−10 54	5.9	K0	Ser
35.5	+24 20	5.6	A2	79 Her
36.5	−49 23	4.8	F4	λ Ara
36.6	+ 2 3	6.2	K0	Oph
36.7	+13 21	6.2	F5	Oph
37.0	+32 46	6.3	G5	Her
37.1	+69 36	6.4	G0	Dra
37.2	+68 47	4.8	F5	28 ω Dra
37.5	−46 54	5.8	A0	Ara
37.6	− 2 8	6.4	M4	Oph
38.1	+46 2	3.8	B3	85 ι Her
38.1	+31 14	6.0	M2	Her
38.1	+72 29	5.8	G9	Dra
38.2	−50 29	6.2	M3	Ara
38.6	−12 51	4.3	A2	56 o Ser
38.8	+31 19	6.3	K0	Her
38.9	+15 12	6.2	A2	Her
39.0	−39 0	2.4	B2	x Sco
39.0	+24 32	6.4	K1	Her d
39.1	+ 6 20	5.8	G7	Oph
39.5	−36 55	5.6	K2	Sco
39.7	+15 58	5.4	F1	Her
39.8	−33 2	6.5	M1	Sco
40.1	−27 52	6.4	A5	Oph
40.2	−51 49	5.1	G5	μ Ara
40.2	+51 50	5.9	K0	Dra
40.4	+24 35	5.5	K4	83 Her
40.4	−21 40	4.9	F5	58 Oph

17^h					17^h				17^h–18^h					18^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
$40^m.6$	−57°31′	6.1	G5	Pav	$50^m.4$	+40° 0′	5.9	K4	Her	$59^m.4$	+21°36′	4.4	G	95 Her d	$7^m.9$	+16°28′	6.0	F2	Her
40.8	−64 42	3.6	K1	η Pav	50.6	−34 45	6.1	B9	Sco	59.8	+33 19	6.0	K5	Her	8.0	+38 27	6.4	K2	Her
41.0	−13 29	5.4	F2	Ser	50.6	−76 10	6.1	K2	Aps	59.8	−24 17	5.4	F5	7 Sgr	8.2	+ 3 19	5.5	K2	Oph
41.0	+ 4 35	2.8	K2	60 β Oph	50.6	−34 49	6.4	A	Sco	0.1	− 5 21	6.6	A0	Oph	8.2	+36 27	5.8	G7	Her
41.1	− 7 3	6.2	B3	Oph	50.8	+ 6 7	5.7	F4	Oph	0.2	+20 50	5.1	B3	96 Her	8.3	−19 51	6.3	A2	Sgr d
41.1	+14 19	6.1	F4	Her	51.1	−34 27	6.0	A0	Sco	0.4	− 8 11	4.9	F2	69 τ Oph d	8.7	−23 43	5.1	K0	1 Sgr
41.1	−42 43	6.2	A2	Sco	51.7	+40 1	4.9	K3	90 f Her	0.4	+22 55	6.1	B3	97 Her	8.8	−28 55	6.4	A	Sgr
41.3	+24 21	5.5	G6	84 Her	51.7	+76 58	5.1	F6	35 Dra	0.8	−24 22	6.0	O5	9 Sgr	9.5	−63 42	6.4	K2	Pav
42.0	+14 26	6.1	A	Her d	51.7	−36 28	6.1	A0	Sco	1.1	+19 37	6.4	A0	Her	9.5	+54 16	5.9	K1	Dra
42.1	+ 2 36	5.7	A0	61 Oph d	51.8	−24 53	6.2	O8	Sgr	1.5	−35 54	5.8	K1	Sgr	9.7	−41 21	5.5	B3	CrA
42.8	+72 11	4.6	F5	31 ψ Dra d	51.9	+11 8	6.2	F5	Oph	1.8	−29 35	var	F8	W Sgr	9.9	+33 26	5.8	A2	Her
42.9	+53 49	5.7	A0	Dra	52.7	+56 53	3.8	K2	32 ξ Dra	1.8	+48 28	6.0	A0	Her d	10.0	+31 23	4.9	M3	104 A Her
43.7	−38 6	6.4	B9	Sco	53.0	−18 48	6.4	A0	Sgr	2.1	+ 1 55	6.1	B0	Oph	10.5	+60 24	6.3	A0	Dra
43.8	+31 31	6.1	A0	Her	53.0	+78 19	6.2	K5	UMi	2.6	−30 26	3.0	K0	10 γ Sgr	10.8	−21 4	3.9	B8	13 μ Sgr
44.1	−40 7	3.0	F2	ι Sco	53.1	−44 20	4.8	K0	Sco	2.6	+23 56	6.3	F0	Her	10.9	−63 4	5.6	K0	Pav
44.4	−27 49	var	F8	3 X Sgr	53.4	+26 3	5.5	F2	87 Her	2.7	−50 6	3.7	B0	ϑ Ara	11.1	+41 8	6.1	K0	Lyr
44.5	−55 23	6.3	F0	Ara	53.4	−40 18	6.5	K5	Sco	2.9	−64 33	6.4	K2	Pav	11.2	+21 52	6.1	K4	Her
44.5	+27 45	3.4	G5	86 μ Her d	53.4	−15 48	5.9	A0	Ser d	2.9	+ 2 31	4.0	K0	70 Oph d	11.3	−21 44	5.7	K3	14 Sgr
44.7	−22 28	6.2	K0	Sgr	53.5	−28 4	5.8	A3	Sgr	3.0	−36 2	5.9	G5	Sgr	11.4	+38 46	5.8	B8	Lyr
44.8	−14 43	6.1	B9	Ser	53.7	+22 28	5.5	K3	Her	3.1	+40 5	6.4	F5	Her	12.2	−44 13	5.6	K0	CrA
44.9	+17 43	5.7	A0	Her	53.8	+ 0 41	5.7	B2	Oph	3.2	−43 26	5.0	A5	CrA d	12.2	−20 45	5.4	B0	15 Sgr
45.3	−26 58	6.2	B3	Sgr	54.2	− 4 5	5.6	G9	Oph	3.4	+21 38	6.3	K3	Her	12.2	−20 24	6.0	O9	16 Sgr
45.4	+ 2 43	3.8	A0	62 γ Oph	54.3	−41 43	4.9	K6	Sco	3.4	+12 0	6.4	A0	Oph d	12.6	−18 41	6.1	A0	Sgr
45.7	−85 12	6.4	F5	Oct	54.5	+55 59	6.0	F1	Dra	3.4	− 8 20	5.8	B8	Ser	12.7	−68 15	6.3	A0	Pav
45.8	+47 38	6.3	A0	Her	54.5	−39 8	6.4	A0	Sco	3.5	+41 56	6.4	F0	Her	12.8	+29 12	6.4	G0	Her
45.8	+ 3 49	6.2	A0	Oph	54.5	+ 6 30	6.1	A0	Oph	3.6	− 4 45	5.9	K1	Ser	12.9	−56 2	5.5	B3	Tel
45.9	−31 41	4.8	B8	Sco	54.5	+ 0 4	5.9	A2	Oph	3.8	−63 40	4.3	A5	π Pav	13.1	−51 5	6.3	B9	Tel
46.3	+20 35	5.6	G5	Her	54.5	+37 15	3.8	K1	91 ϑ Her	3.8	+80 0	5.1	F6	40–41 Dra d	13.3	− 3 38	6.3	A3	Ser
46.4	−53 36	5.9	B3	Ara d	55.1	+11 3	6.5	A2	Oph	3.9	+22 13	5.1	M2	98 Her	13.6	+ 2 22	6.1	M4	Oph
46.5	−37 2	3.2	K1	G Sco	55.2	+24 0	6.3	G0	Her	4.0	+32 13	5.7	K0	Her	13.6	+64 23	4.8	F5	36 Dra
46.6	+19 16	6.0	A0	Her	55.4	+45 21	6.2	M6	Her	4.2	−21 27	6.3	B0	Sgr	13.8	+56 34	6.4	F1	Dra
46.7	−40 5	4.8	A3	ι^2 Sco	55.4	−81 29	6.3	K2	Aps	4.3	−75 54	5.8	K5	Aps	14.1	+42 8	5.5	B6	Lyr
46.8	+25 38	5.2	K2	87 Her	55.4	+51 30	2.2	K5	33 γ Dra	4.8	−45 47	6.1	B8	Ara	14.1	+45 12	6.2	G0	Lyr
46.8	+ 1 58	6.3	K2	Oph	55.5	−28 45	6.0	B3	Sgr	4.9	−17 10	5.5	K1	Sgr	14.2	−28 18	6.4	G0	Sgr
47.1	−60 9	5.8	G8	Pav	55.5	−36 51	5.8	G9	Sgr	4.9	+ 8 44	4.7	G8	71 Oph	14.2	−28 40	6.0	A4	Sgr
47.1	−53 7	6.4	A0	Ara	55.8	+29 15	3.7	G9	92 ξ Her	4.9	−28 28	4.5	G	Sgr	14.2	−36 47	3.1	M3	η Sgr
47.9	+50 48	5.1	A2	30 Dra	55.9	−30 15	5.1	M2	Sgr d	5.0	+ 9 33	3.7	A4	72 Oph	14.3	− 3 1	6.0	G8	Ser
48.0	−30 33	6.5	A0	Sco d	56.0	+72 1	5.5	F2	34 Dra	5.1	+30 33	5.0	F7	99 b Her	14.3	−17 24	6.0	K4	Sgr
48.0	−40 46	6.0	M1	Sco	56.1	+75 11	6.3	K0	Dra	5.5	+13 4	6.4	A2	Oph d	14.3	−34 8	var	B5	RS Sgr d
48.0	−45 35	6.2	G5	Ara	56.3	− 9 46	3.3	G9	64 ν Oph	5.5	−59 3	6.4	K5	Pav	14.5	−18 29	6.5	O8	Sgr
48.3	−65 29	6.5	K0	Pav	56.6	+30 12	4.5	F2	94 ν Her	5.6	+28 45	4.1	B9	103 o Her	14.6	− 9 47	6.3	A5	Ser
48.3	+86 37	4.4	A1	23 δ UMi	56.7	−23 49	4.8	A0	4 Sgr	5.7	+50 49	6.2	K0	Dra	14.8	−63 54	6.2	G0	Pav
48.4	+11 58	6.2	K1	Oph	57.0	− 4 49	6.0	K5	Oph	5.8	−62 1	5.5	G0	ι Pav	14.9	−27 4	4.7	K5	Sgr
48.4	+29 20	5.4	K1	Her	57.0	+36 17	5.9	G5	Her	5.8	−25 29	6.3	B8	Sgr	15.1	−42 19	6.5	B0	CrA
48.7	+22 20	5.9	A2	Her	57.0	−20 20	6.5	K0	Sgr	5.8	+26 5	5.1	A3	100 Her d	15.5	+40 55	6.1	K0	Lyr
48.7	+48 24	6.4	A	88 z Her	57.4	+45 29	6.2	A	Her	5.9	+49 42	6.3	A0	Her	15.6	+68 44	6.0	K1	37 Dra
48.9	−34 47	5.9	B8	Sco	57.7	+ 0 38	6.3	A	Oph	6.0	+43 27	5.0	K0	Her	15.6	−25 38	6.4	K1	Sgr
49.0	−34 24	5.8	G8	Sco	57.8	+ 4 22	4.8	B2	66 Oph	6.2	−73 41	5.8	F6	Aps	15.8	+13 45	6.2	B5	Her
49.2	+87 0	5.8	A	24 UMi	57.8	+16 45	4.6	K0	93 Her	6.3	+14 17	6.3	A	Her	15.8	−18 38	6.4	B0	Sgr d
49.3	−41 59	6.2	F8	Sco	57.8	− 3 41	4.6	F3	57 ζ Ser	6.3	+36 24	5.5	K2	Her	15.9	+18 7	5.9	B9	Her
49.4	− 1 14	6.4	K0	Oph	58.1	+ 2 56	4.0	B5	67 Oph	6.6	+20 48	4.3	B2	102 Her	16.7	+ 7 14	5.4	K2	Oph
49.5	−34 6	6.1	K1	Sco	58.3	+19 30	6.4	B7	Her	6.7	+20 2	5.2	A4	101 Her	16.9	−75 4	5.5	A0	φ Oct
49.6	−35 0	6.5	A0	Sco	58.4	−36 23	6.3	B9	Sgr	6.9	−30 44	5.5	K0	Sgr d	17.1	+24 25	5.3	K4	105 Her
49.6	−35 37	6.0	F2	Sco	58.4	+ 6 16	6.2	B3	Oph	6.9	−13 57	6.5	K0	Ser	17.3	−15 51	5.7	K4	Ser
50.0	− 6 8	var	G0	Y Oph	58.5	−17 9	6.3	K3	6 Sgr	7.1	+ 3 59	5.6	F2	73 Oph	17.5	−37 31	6.5	K0	CrA
50.0	−34 43	6.1	B9	Sco	58.5	+45 30	5.8	M0	Her	7.3	−47 31	6.1	K1	Tel	17.8	−29 51	2.7	K2	19 δ Sgr
50.1	−34 53	5.6	G8	Sco	58.7	+15 6	6.2	G5	Her	7.4	+ 3 7	5.7	F4	Oph	17.9	+29 39	6.0	K4	Her
50.1	+ 1 19	6.0	K5	Oph	58.8	+33 13	5.8	K6	Her	7.5	−45 58	4.5	G8	ε Tel	18.1	+36 2	4.2	K2	1 α Lyr
50.3	−10 53	6.3	K1	Ser	58.9	−22 47	5.7	B0	Sgr	7.5	−41 22	5.9	A5	CrA	18.2	+21 56	4.8	M0	106 Her
50.4	−34 47	5.9	A0	Sco	59.2	+ 1 18	4.5	A1	68 Oph	7.6	−33 49	6.2	B2	Sgr	18.4	+ 3 21	4.9	G8	74 Oph

18^h α	δ	mag	sp	const	18^h α	δ	mag	sp	const	18^h α	δ	mag	sp	const	18^h α	δ	mag	sp	const
$18^m.4$	$-18°53'$	var	F6	Y Sgr	$25^m.8$	$+65°32'$	4.8	K2	42 Dra	$34^m.9$	$+11°23'$	6.3	B8	Oph	$43^m.5$	$+20°30'$	4.2	F6	110 Her
18.4	−24 56	6.2	M5	Sgr	26.2	−47 15	5.7	K0	Tel	34.9	+16 9	6.2	G8	Her	43.6	−73 3	6.0	A0	Pav
18.6	−61 31	4.4	K2	ξ Pav	26.3	−25 17	6.5	B2	Sgr	34.9	−21 26	5.8	A7	Sgr	43.7	+61 0	6.1	G7	Dra
18.7	− 2 55	3.3	K0	58 η Ser	26.3	−14 36	4.7	A3	γ Sct	35.0	− 0 21	5.8	A2	e Ser	43.7	−65 8	5.7	A4	ϑ Pav
18.8	+51 19	6.1	K1	Dra	26.5	−74 0	5.9	G9	Pav	35.2	+43 11	6.2	A5	Lyr	43.9	− 1 1	5.7	A	5 Aql d
18.8	−28 27	6.1	A2	Sgr	26.7	−62 19	4.6	B8	ν Pav	35.2	−14 3	6.4	B9	Sct	43.9	+54 51	6.1	G5	Dra
18.9	−38 41	5.1	K0	CrA	26.9	−16 37	6.0	A	Sct	35.2	+38 44	0.0	A0	3 α Lyr	44.0	−10 11	5.8	F2	Sct
19.0	+ 5 25	6.1	B	Oph	27.0	+59 31	6.3	K0	Dra	35.5	−47 57	6.0	A5	Tel	44.1	+26 36	4.8	K3	Lyr
19.0	+29 50	5.5	A	108 Her	27.1	− 2 1	5.4	K0	60 c Ser	35.5	−23 33	5.8	B9	Sgr	44.2	−40 28	5.2	G2	μ CrA
19.1	+28 51	5.0	A4	107 t Her	27.3	−18 46	5.8	K0	Sgr	35.7	− 1 9	6.5	F2	Ser	44.5	+18 39	6.1	K5	Her
19.5	−36 42	5.4	A	Sgr	27.5	−41 57	6.3	A4	CrA	35.8	− 3 14	6.5	F8	Ser	44.5	− 4 48	4.2	G5	β Sct
19.8	+49 42	6.2	K1	Dra	27.5	+23 50	5.7	B5	Her	35.9	−21 6	5.9	G4	Sgr	44.6	+41 23	5.9	B9	Lyr
20.1	+23 16	5.5	K5	Her	27.6	− 5 46	6.3	G5	Sct	36.0	+ 8 47	var	M6	X Oph	44.8	+18 7	4.3	A3	111 Her
20.1	−36 16	5.6	K0	Sgr	27.6	+ 4 2	6.5	B2	Ser	36.0	−43 14	5.4	M2	CrA	44.8	− 5 46	var	G0	R Sct
20.3	+12 0	5.9	A2	Oph	27.8	−33 1	5.4	A3	Sgr	36.1	+65 27	6.0	A3	Dra	45.2	−43 44	5.6	A2	η^1 CrA
20.3	+49 6	4.9	M2	Dra	28.1	−45 57	5.0	B6	δ^1 Tel	36.5	+39 37	var	M4	XY Lyr	45.6	+46 16	6.4	A0	Lyr
20.3	−10 15	6.3	A0	Sct	28.3	−43 33	5.7	G8	CrA	37.1	+62 29	5.6	A0	Dra	45.6	+ 4 11	6.3	K5	Ser
20.3	−80 16	5.9	K1	Oct	28.3	−45 48	5.3	B5	δ^2 Tel	37.2	+ 5 13	6.2	F9	Oph	45.6	+52 56	5.9	B5	Dra
20.4	−12 2	5.7	B8	Sct	28.5	−18 26	5.2	A0	Sgr	37.2	−71 28	4.0	K2	ζ Pav	45.8	−45 52	5.8	G6	Tel
20.6	+17 48	5.3	K3	Her	28.7	−10 50	5.8	B2	Sct d	37.3	− 7 50	6.1	K4	Sct	45.8	−18 39	6.5	K	Sgr
20.7	−44 8	5.2	B3	CrA	28.8	+16 54	5.6	A2	Her	37.4	+ 7 19	6.2	G8	Oph	46.0	−43 29	5.6	B9	η^2 CrA
20.8	−63 3	6.4	A2	Pav	28.9	−39 44	5.2	A2	CrA	37.7	−48 8	6.5	K0	Tel	46.1	+31 42	5.8	B3	Lyr
20.8	+16 40	6.2	K0	Her	28.9	−19 10	var	F5	U Sgr	37.9	+40 53	6.1	A0	Lyr	46.2	+23 27	6.0	F5	Her
20.9	−34 25	1.8	B9	20 ε Sgr	29.1	−58 45	6.4	G0	Pav	38.1	+30 48	6.3	K0	Lyr	46.4	+49 1	6.4	A0	Dra
20.9	− 8 58	4.7	K0	ζ Sct	29.4	− 1 2	5.8	A2	61 Ser	38.5	+38 19	6.4	A3	Lyr	46.6	−19 12	6.5	A0	Sgr
21.4	+89 3	6.3	M1	λ UMi	29.5	−14 41	6.3	A3	Sct	38.7	+52 9	5.8	B9	Dra	46.7	−20 23	5.4	K4	29 Sgr
21.4	− 3 37	6.4	F2	Ser	29.5	−39 56	6.3	F4	CrA	38.8	−64 36	5.8	K0	Pav	46.7	+19 16	5.7	A2	Her
21.5	+71 19	4.2	A0	43 φ Dra	29.6	+ 3 37	6.3	A	Ser	38.8	−23 53	6.1	A	26 Sgr	46.9	+48 43	6.0	A3	Dra
21.6	+21 45	3.8	K2	109 Her	29.9	−14 54	5.9	K5	Sct	38.9	−14 37	6.5	F5	Sct	47.0	− 5 58	6.2	K0	Sct
21.8	−30 47	5.6	K0	18 Sgr	29.9	−42 21	4.6	G5	ϑ CrA	39.5	− 9 6	4.7	F3	δ Sct	47.0	+74 2	5.2	K0	Dra
22.0	+72 42	3.6	F7	44 χ Dra	29.9	−38 46	5.5	A	ϰ CrA d	39.8	+31 34	6.4	B8	Lyr	47.1	+ 0 47	6.2	A0	Aql
22.0	−36 1	6.2	K0	Sgr	30.5	−52 56	6.3	K2	Tel	39.9	− 7 7	6.2	G5	Sct	47.6	−62 15	4.2	B1	λ Pav
22.3	+38 43	6.3	K2	Lyr	30.7	−33 3	5.4	B3	Sgr	40.0	−19 20	6.5	M4	Sgr	47.8	−22 13	6.2	A7	30 Sgr
22.4	− 1 36	6.1	F2	Ser	30.7	+23 35	5.8	K5	Her	40.2	−77 55	6.4	G0	Oct	47.8	+31 34	6.5	B9	Lyr
22.4	−20 34	4.8	K2	21 Sgr	30.7	− 5 57	6.4	A0	Sct	40.3	+34 42	6.1	B5	Lyr d	47.9	+32 45	5.8	B2	8 Lyr
22.6	+39 29	5.0	A3	2 μ Lyr	30.8	−14 54	5.7	A1	Sct	40.4	−38 22	5.1	A1	λ CrA d	48.0	+75 23	5.4	A1	50 Dra
22.6	−33 58	6.4	B8	Sgr	30.8	+83 9	6.1	A2	Dra	40.5	+62 42	5.9	K0	Dra	48.0	+32 30	5.1	A3	9 ν Lyr
22.7	+53 16	6.2	A2	Dra	30.8	−24 4	5.7	K4	24 Sgr	40.5	−64 55	4.8	A3	Pav	48.2	− 9 50	5.9	F3	Sct
23.0	+27 22	6.2	A2	Her	30.9	+30 31	5.3	B8	Lyr	40.6	−61 9	6.2	K2	Pav	48.2	+33 18	var	B	10 β Lyr d
23.1	−48 9	5.5	G5	Tel	31.0	+ 8 14	6.2	A	Oph d	40.7	−36 46	6.4	K0	Sgr	48.7	−52 10	5.3	G8	ϰ Tel
23.2	+58 46	4.8	A1	39 b Dra d	31.0	+52 5	6.4	B9	Dra	40.8	− 8 20	4.9	G8	ε Sct	48.7	−46 39	5.5	K6	Tel
23.2	+ 8 0	5.6	G2	Oph	31.1	+65 24	6.3	A3	Dra	41.0	−35 42	4.9	B2	Sgr	48.7	− 3 23	6.0	A3	8 Aql
23.3	−46 0	3.5	B3	α Tel	31.5	+30 51	6.4	B3	Lyr	41.2	− 6 52	6.3	F5	Sct	49.2	+79 53	6.3	A5	Dra
23.7	+14 56	6.4	A	Her	31.5	−24 16	6.4	F3	25 Sgr	41.2	−56 56	6.3	K0	Pav	49.2	−52 0	6.5	B8	Tel
24.0	+29 48	5.8	A2	Lyr	31.7	+57 0	4.8	F7	45 d Dra	41.5	−39 44	5.5	G5	Cra	49.3	−48 25	6.5	A0	Tel
24.6	−26 40	6.2	A5	Sgr d	32.0	−81 51	6.3	A0	Oct	41.7	+55 29	5.1	A0	46 c Dra	49.3	−46 39	6.3	A2	Tel
24.6	−29 51	5.9	G0	Sgr	32.2	+22 26	6.4	A3	Her	41.8	−25 4	5.8	B5	Sgr	49.4	−26 43	6.3	G5	Sgr
24.6	+ 0 10	var	G0	59 d Ser d	32.2	+77 31	5.7	K4	Dra	41.8	+36 30	6.1	G8	Lyr	49.4	−29 26	6.3	K0	Sgr
24.7	+26 25	6.4	B3	Her	32.3	−11 1	5.1	G8	Sct	42.0	+31 53	5.5	F2	Lyr	49.6	+28 43	6.3	G9	Lyr
24.9	−25 27	2.8	K2	22 λ Sgr	32.4	+10 51	6.3	A1	Oph	42.3	+ 2 0	5.0	B9	4 Aql	49.7	+13 54	6.1	G8	Aql
25.0	−49 6	4.1	K0	ζ Tel	32.5	− 8 17	3.8	K3	α Sct	42.3	−21 3	6.4	F5	Sgr	49.8	+36 29	6.0	B5	Lyr
25.0	−26 47	6.3	A3	Sgr	32.8	−29 44	6.5	K0	Sgr	42.4	+53 49	6.1	A2	Dra	50.1	+21 22	5.8	K0	112 Her
25.0	−39 2	5.6	A2	CrA	32.8	+52 19	5.3	K0	Dra d	42.5	−27 3	3.2	B8	27 φ Sgr	50.3	− 9 38	6.3	A4	Sct
25.0	−17 50	6.0	B8	Sgr	33.0	+18 10	5.7	B9	Her	42.6	+23 32	6.1	F5	Her	50.5	+52 55	5.5	G8	Dra
25.3	+ 3 43	6.0	K3	Ser	33.4	+34 25	6.1	B5	Lyr	42.7	+39 37	4.7	A3	4 ε^1 Lyr d	50.5	+59 20	4.6	K0	47 o Dra d
25.6	+ 6 10	5.7	B8	Oph	33.4	+23 34	5.6	G8	Her	42.7	+39 33	4.5	A4	5 ε^2 Lyr d	50.5	+41 19	6.2	B9	Lyr
25.6	−43 53	6.5	K0	CrA	33.7	+16 56	6.1	G0	Her d	43.0	+ 5 27	5.7	A0	Ser d	51.0	−21 25	5.8	K0	33 Sgr
25.6	−57 33	5.8	G8	Pav	34.1	+ 9 5	5.3	F2	Oph	43.0	+37 33	4.1	A+F	6-7 ζ Lyr d	51.2	−22 48	4.8	K2	35 ν^1 Sgr d
25.8	−87 39	5.3	K3	Oct	34.2	+ 6 38	5.3	F2	Oph	43.3	−22 27	5.8	K4	28 Sgr	51.8	−67 18	var	F5	ϰ Pav
25.8	−26 37	6.5	A0	Sgr	34.8	+33 26	5.4	A	Lyr d	43.5	+21 56	6.5	A	Her	51.9	−15 40	5.0	B5	Sct

18^h					18^h– 19^h					19^h					19^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
52.0	+36 54'	5.5	B3	11 δ¹Lyr	58.2	−68 50'	5.9	F9	Pav	6.1	−37 59'	4.1	A2	α CrA	16.3	+ 0 14'	6.3	G9	24 Aql
52.0	+50 39	4.9	G8	Dra	58.6	−41 59	6.4	A1	CrA	6.2	−39 55	6.4	K1	CrA	16.4	−35 31	5.6	B4	Sgr
52.1	−22 44	5.0	K3	35 ν²Sgr	58.6	−22 46	6.3	K5	Sgr	6.4	+16 46	6.4	F2	Aql	16.5	+ 9 32	6.2	G9	Aql
52.2	−26 22	2.1	B2	34 σ Sgr	58.7	−15 21	6.4	G8	Sgr	6.4	−41 58	5.9	B5	CrA	16.5	+73 16	4.5	K3	60 τ Dra
52.2	+27 51	5.6	K4	Lyr	59.0	+50 28	5.2	B3	Dra	6.5	+ 6 0	5.3	F2	19 Aql	16.6	+19 31	var	B9	U Sge
52.2	−62 52	6.5	K0	Pav	59.0	− 5 49	4.0	K1	12 i Aql	6.6	−39 25	4.1	G3	β CrA	17.2	+33 18	6.3	B3	Lyr
52.6	+22 35	4.5	G0	113 Her	59.1	+33 44	6.0	K0	Lyr	6.8	−21 6	2.9	F2	41 π Sgr	17.3	+37 21	6.2	A0	Lyr
52.6	−16 26	5.6	F5	Sgr	59.2	+69 28	6.4	B9	Dra	6.9	−19 53	6.3	K0	Sgr	17.3	+49 29	6.1	K1	Cyg
52.7	−42 47	5.4	G6	CrA	59.3	+26 13	5.5	B5	Lyr	7.2	+34 31	6.4	G1	Lyr d	17.3	+12 17	5.3	F0	28A Aql
52.8	+36 50	4.3	M4	12 δ²Lyr	59.4	−24 55	5.7	K4	Sgr	7.3	+52 21	5.8	K1	Cyg	17.5	+11 26	6.0	A3	29 ω²Aql
52.9	+57 25	6.3	K5	Dra	59.4	−29 57	2.6	A2	38 ζ Sgr	7.3	− 0 31	6.4	B8	Aql	17.6	−22 30	5.6	A8	Sgr
53.0	−23 14	5.9	B8	Sgr	59.6	−42 10	4.7	A0	CrA	7.6	−39 5	6.2	A	CrA	17.9	− 5 31	5.1	G8	26 f Aql
53.0	+ 6 33	5.5	G9	Ser	59.7	+22 11	6.3	A3	Vul	8.1	−29 35	6.2	B9	Sgr	17.9	+37 14	6.2	G8	Lyr
53.0	+33 54	5.8	G5	Lyr d	59.7	+55 35	5.4	G3	49 Dra	8.9	−50 34	6.1	G9	Tel	18.0	− 0 59	5.5	B9	27 d Aql
53.3	+41 32	5.5	G8	Lyr	59.9	−38 20	5.7	F1	CrA	9.5	−21 45	6.4	G8	Sgr	18.2	−35 5	6.5	G2	Sgr
53.3	−37 25	5.4	B9	CrA	59.9	+33 33	6.2		Lyr	9.5	+26 39	6.2	F5	Lyr	18.5	+54 17	6.2	A0	Cyg
53.5	+48 48	5.8	F4	Dra	0.0	+46 52	5.0	A7	16 Lyr	9.6	+65 54	6.1	A2	55 Dra	18.7	−42 7	6.3	K0	Sgr
53.7	+ 4 8	4.0	A5	63 ϑ Ser d	0.1	−51 5	5.9	K5	Tel	9.7	+40 21	6.1	A0	Lyr	18.7	−19 20	6.4	B8	Sgr
53.8	− 1 52	6.2	A0	Aql	0.1	+76 59	6.4	F0	Dra	9.8	+31 12	5.7	A0	19 Lyr	18.7	+35 5	6.3	B7	Lyr
53.8	+43 53	var	M5	13 R Lyr	0.1	−19 19	6.0	G6	Sgr	10.0	− 8 1	5.4	B3	20 Aql	18.8	−17 57	3.9	F0	44 ρ¹Sgr
53.9	+17 56	6.4	B9	Her	0.2	−19 11	6.3	F5	Sgr d	10.1	−25 0	5.9	K0	Sgr	18.8	−54 31	5.0	A0	η Tel
53.9	+18 2	5.6	K1	Her	0.3	− 3 26	5.5	A0	14 g Aql	10.3	+16 46	6.4	B8	Aql	18.9	−16 3	4.6	A	46 υ Sgr
53.9	+ 2 24	6.2	G8	Ser	0.7	+19 35	6.1	K1	Her	10.5	−12 22	5.6	K4	Sgr	18.9	−68 28	6.3	K0	Pav
54.1	−39 53	6.4	A3	CrA	0.9	+52 11	6.3	G8	Dra d	10.5	+21 28	5.9	A2	Vul	18.9	−18 24	6.0	G9	45 ρ² Sgr
54.2	−60 16	5.1	K1	ω Pav	1.0	+ 1 45	5.7	A2	Aql	10.7	+56 46	5.1	G8	53 Dra	19.0	−44 33	3.9	B8	β¹Sgr d
54.4	−20 43	5.1	A0	36 ξ¹Sgr	1.2	−31 7	5.5	A0	Sgr	10.8	+49 46	5.9	G4	Cyg d	19.4	+57 33	5.9	M1	Dra
54.4	− 5 55	4.8	K2	η Sct	1.6	+21 12	6.5	F2	Her	11.0	+76 29	5.1	F2	59 Dra	19.4	+64 18	6.3	B9	Dra
54.4	−53 0	5.0	B9	λ Tel	1.7	+ 3 15	6.5	A2	Aql	11.0	−49 17	6.0	G9	CrA	19.6	−44 54	4.3	F1	β² Sgr
54.7	−21 10	3.5	K1	37 ξ² Sgr	1.7	−21 49	3.8	G8	39 o Sgr	11.1	−69 17	6.3	A	τ Pav	19.6	− 8 18	6.5	B5	Aql
54.8	+ 2 28	5.5	B8	64 Ser	2.3	− 4 6	5.5	K1	15 h Aql d	11.2	+ 2 12	5.1	B8	21 Aql	19.8	− 0 21	6.0	G8	Aql
55.0	−66 43	6.0	K0	Pav	2.4	−52 25	5.2	F8	ρ Tel	11.3	+ 5 26	6.3	A2	Aql	20.4	− 7 30	6.4	K0	Aql
55.0	+71 14	4.8	K0	52 υ Dra	2.7	− 1 35	6.4	F0	Aql	12.1	+39 4	4.4	B2	20 η Lyr d	20.4	+65 37	4.6	A2	58 π Dra
55.1	−31 6	6.1	K0	Sgr	2.8	−15 44	5.9	A0	Sgr	12.2	−66 45	5.5	A2	Pav	20.4	+ 9 49	6.2	F6	Aql
55.2	+75 43	6.2	A0	Dra d	3.0	−37 8	4.3	F8	γ CrA d	12.5	−25 21	4.9	F5	42 ψ Sgr	20.4	−40 43	4.0	B9	α Sgr
55.2	+32 50	5.2	G0	Lyr	3.0	+30 39	6.2	M2	Lyr	12.5	−24 16	6.2	F9	Sgr	20.5	+57 40	6.5	K2	Dra
55.4	−37 10	4.9	F0	ε CrA	3.1	+31 40	5.5	M0	Lyr	12.5	+67 34	3.1	G9	57 δ Dra	20.7	+33 25	6.1	K0	Lyr
55.4	−22 36	6.0	A2	Sgr	3.1	+13 47	3.0	A0	17 ζ Aql	12.7	−45 33	5.3	K2	Tel	20.8	−43 49	6.1	K6	Sgr
55.7	−39 36	6.4	A0	CrA	3.2	−48 23	6.1	A0	Tel	12.9	+20 7	6.0	K0	Sge	20.8	+26 10	4.9	B6	3 Vul
55.9	+57 45	5.7	K3	48 Dra	3.5	−37 53	6.2	G5	CrA	13.0	+57 37	5.1	K2	54 Dra	21.4	−27 58	5.9	B5	Sgr
56.0	+ 6 10	6.3	F5	Aql	3.6	− 4 58	3.4	B9	16 λ Aql	13.1	+15 0	5.5	G5	Aql	21.6	+20 10	6.4	B8	Vul
56.0	+17 18	var	F5	FF Aql	3.8	+53 19	5.3	A0	51 Dra	13.1	+21 9	5.6	A1	1 Sge	21.7	+83 22	6.3	A2	Dra
56.2	+65 11	5.6	G5	Dra	3.8	−27 45	3.3	K1	40 τ Sgr	13.3	−33 37	var	G0	RY Sgr	21.7	+33 7	6.4	K0	Lyr
56.3	+38 12	5.7	B6	Lyr	4.0	+ 8 9	var	M7	R Aql	13.5	+30 26	5.9	M0	Lyr	21.9	−29 24	6.1	K0	Sgr d
56.5	+13 50	5.9	A	10 Aql	4.0	−16 18	5.9	B8	Sgr d	13.9	+27 22	6.2	B5	Lyr	22.1	+50 10	6.3	B9	Cyg
56.5	−18 38	6.3	G5	Sgr	4.2	−18 49	6.4	B8	Sgr	14.0	+27 50	5.9	F6	Lyr	22.1	+16 50	6.0	A	2 Sge
56.6	+19 43	6.2	B6	Sge	4.4	−28 47	6.2	K2	Sgr	14.0	+49 59	6.3	G3	Cyg	22.2	+29 31	4.8	B3	2 Cyg
56.6	−12 55	5.4	B5	Sgr	4.6	+24 10	5.7	A3	Vul	14.0	+ 4 45	5.4	A2	22 Aql	22.2	−24 36	5.0	A5	47 χ¹Sgr
56.6	+58 9	6.3	A2	Dra	4.6	−68 30	5.3	G9	Pav	14.1	+21 18	4.6	B3	1 Vul	22.3	+36 21	6.3	K1	Lyr
56.8	+62 20	6.3	G5	Dra d	4.6	+ 0 34	6.4	B9	Aql	14.2	+14 27	5.5	B9	Aql d	22.4	+43 17	5.8	G5	Lyr
56.8	+13 33	5.2	F8	11 Aql d	4.6	+11 0	5.2	B7	18 Aql	14.2	−53 29	6.4	F7	Tel	22.4	+27 59	6.4	B3	Cyg
57.1	+32 37	3.2	B9	14 γ Lyr	4.6	+28 33	5.4	A5	Lyr	14.6	+38 3	4.4	K0	21 ϑ Lyr	22.4	− 4 59	6.5	F0	Aql
57.1	+40 37	6.0	B5	Lyr d	4.7	+41 20	6.2	B3	Lyr	14.7	−19 3	5.0	G8	43 d Sgr	22.5	−24 4	5.6	K4	49 χ³Sgr
57.1	−25 1	6.4	K0	Sgr	4.7	−55 48	6.5	K1	Tel	15.3	+ 1 56	6.0	A0	Aql	22.5	−14 0	5.8	K3	Sgr
57.4	+15 0	4.1	K2	13 ε Aql	4.9	−40 35	4.6	K1	δ CrA	15.4	+46 54	6.0	F3	Cyg	22.6	+11 50	5.2	G8	31 b Aql
57.5	+39 9	6.2	B5	Lyr	5.2	−24 44	6.2	B9	Sgr	15.5	+11 30	5.1	A3	25 ω Aql	23.0	+ 3 1	3.4	F0	30 δ Aql
57.7	+26 10	5.1	K2	Lyr	5.3	−19 22	5.5	B2	Sgr	15.6	+22 56	5.3	B0	2 Vul	23.2	+20 10	6.3	A1	Vul
57.7	+50 44	6.2	G5	Dra	5.5	+36 1	5.2	B7	18 ι Lyr	15.9	+53 17	3.8	K0	1 κ Cyg	23.3	+19 42	5.2	K0	4 Vul d
57.7	−37 8	6.0	B8	CrA d	5.5	+32 25	5.0	A7	17 Lyr	16.0	+ 1 0	5.2	K2	23 Aql d	23.3	−21 53	5.6	K3	50 Sgr
57.9	+22 45	6.2	M3	Vul	5.7	+16 47	6.1	G4	Aql	16.1	+30 56	6.4	A3	Lyr	23.3	−15 9	5.7	B8	Sgr
58.1	+32 4	5.0	K3	15 λ Lyr	5.9	+21 37	6.1	F3	Vul	16.2	−15 38	6.3	K4	Sgr	23.4	+24 49	6.2	F6	Vul

19^h α	δ	mag	sp	const	19^h α	δ	mag	sp	const	19^h α	δ	mag	sp	const	19^h α	δ	mag	sp	const
m	° '				m	° '				m	° '				m	° '			
23.8	-54 26	5.6	K2	Tel	34.1	- 1 24	4.4	B5	41 ι Aql	43.1	+40 36	6.3	M3	Cyg	50.6	+47 48	5.7	B2	Cyg
23.8	-29 51	5.7	B9	Sgr	34.2	-18 21	5.9	K3	Sgr	43.2	+ 7 29	5.9	A2	49 υ Aql	50.7	- 3 15	5.6	A	Aql
24.0	+ 0 14	4.6	F2	32 ν Aql	34.2	- 7 8	5.0	B0	39 κ Aql	43.3	- 3 0	6.5	B3	Aql	50.9	+ 4 16	6.3	A0	Aql
24.0	+20 0	5.6	A0	5 Vul	34.2	-58 6	6.2	G9	Pav	43.4	+45 0	2.9	B9	18 Cyg	51.3	-24 4	6.2	K5	Sgr d
24.1	+12 55	5.7	F6	Aql	34.5	+11 10	6.0	G5	Aql	23.4	-19 53	5.1	K1	56 f Sgr	51.3	+23 57	4.5	A0	13 Vul
24.3	+19 47	5.8	M0	Vul d	34.8	-14 25	5.6	F6	Sgr	43.7	-72 38	5.4	A	Pav	51.4	- 8 42	6.0	K5	56 Aql
24.3	+36 13	5.1	A	4 Cyg	34.9	-66 48	6.4	A0	Pav	43.8	+35 58	6.0	B9	Cyg d	51.5	+47 41	6.2	B0	Cyg
24.7	+79 30	6.0	A2	Dra	35.0	+16 21	5.5	G8	4 ε Sge	43.9	+10 29	2.6	K3	Aql	51.8	-42 0	4.1	K0	ι Sgr
24.9	+57 56	6.4	B8	Dra	35.1	+44 35	5.0	K0	Cyg	43.9	-56 29	5.5	A	ν Tel	51.8	+ 8 20	4.7	K0	59 ξ Aql
25.3	+14 11	6.3	B5	Aql	35.1	+50 6	4.5	F4	13 ϑ Cyg	44.0	+34 53	6.1	K0	Cyg d	51.9	-33 11	6.4	K0	Sgr
25.8	-55 32	6.2	G9	Tel	35.1	- 4 46	5.5	F1	42 Aql	44.4	+69 13	5.9	A0	Dra	51.9	- 8 22	5.3	B5	57 Aql d
25.8	+ 2 50	5.9	B9	Aql	35.2	+29 13	6.2	B5	Cyg	44.5	+33 37	5.0	F5	17 Cyg d	52.2	+ 0 8	5.5	A0	58 Aql
25.8	-43 33	5.7	A0	Sgr	35.2	+38 16	6.4	B3	Cyg	44.7	+32 46	6.0	K2	Cyg d	52.2	+ 7 1	5.9	A0	Aql
25.8	+37 50	6.4	B2	Cyg	35.5	+50 5	var	G9	R Cyg	45.0	-66 56	6.4	K2	Pav	52.3	+57 24	5.0	B5	23 Cyg
25.9	+62 27	6.3	K5	Dra	36.1	-45 24	6.2	A5	Tel	45.0	-53 1	6.3	K0	Tel	52.4	+24 11	5.4	A0	Vul
26.0	-68 32	6.0	K5	Pav	36.1	+20 40	6.3	K0	Vul	45.2	+18 25	3.6	M2	7 δ Sge	52.6	- 6 52	6.4	F2	Aql
26.2	+52 13	5.6	A0	7 Cyg	36.3	+ 3 16	6.4	B4	Aql	45.2	-13 50	6.2	A3	Sgr	52.7	+59 35	6.0	A0	Cyg
26.5	+ 1 51	5.8	A0	35 c Aql	36.3	-54 32	6.2	G8	Tel	45.7	+38 17	5.8	B8	Cyg	52.8	-26 26	4.7	G5	58 ω Sgr
26.5	-55 13	6.4	F6	Tel	36.6	+49 10	6.4	G6	Cyg	45.7	+25 16	5.9	K0	Vul	52.8	-58 4	6.4	K5	Pav
26.6	+24 34	4.4	M0	6 α Vul	36.7	+ 5 17	5.0	B3	44 σ Aql	46.0	+47 47	6.0	M1	Cyg	52.9	+ 6 17	3.7	G8	60 β Aql
26.7	- 7 9	var	G4	U Aql	36.8	-65 58	6.1	K2	Pav	46.0	-61 11	6.4	B5	Pav	52.9	-59 2	5.4	A0	Pav
26.8	-27 5	5.4	K3	Sgr d	36.8	-23 33	6.2	A0	53 Sgr	46.1	-28 55	6.0	F5	Sgr	53.0	+36 52	5.6	G	Cyg
26.9	+24 40	5.8	G6	8 Vul	37.1	-23 33	6.1	K1	Sgr	46.1	+10 34	6.3	F8	Aql	53.1	+30 4	6.5	B5	Cyg d
27.1	+14 30	5.6	K0	Aql	37.1	+16 27	6.4	M0	Sge d	46.1	-65 44	6.0	F0	Pav	53.5	-69 18	5.7	A	Pav
27.2	+20 11	6.3	B5	7 Vul	37.4	+30 2	4.6	G8	12 φ Cyg	46.3	-11 0	6.2	K5	Aql	53.7	+16 30	var	F6	10 S Sge
27.7	+ 2 48	6.2	K5	Aql d	37.6	+54 51	5.8	F4	Cyg	46.3	+11 41	5.6	F2	52 π Aql d	53.8	-68 54	6.4	A2	Pav
27.9	-21 25	6.0	A2	Sgr	37.8	+42 42	5.4	A	14 Cyg	46.5	-59 19	5.5	A	Pav	53.9	+11 17	5.2	A1	61 φ Aql
28.0	- 2 54	5.2	M1	36 e Aql	37.9	-16 25	5.4	K2	54 e^1 Sgr d	46.6	-47 41	6.0	M1	Tel	53.9	-27 18	4.5	K3	59 b Sgr
28.0	+ 3 20	6.3	A0	Aql	37.9	+17 54	4.3	G0	5 α Sge	46.7	+68 19	6.3	F0	Dra	54.1	+38 21	4.9	B6	22 Cyg
28.4	+51 37	3.9	A5	10 ι Cyg	37.9	+33 52	6.1	A3	Cyg	46.8	+19 1	4.9	A3	8 ζ Sge d	54.3	+52 18	4.8	A3	24 φ Cyg d
28.7	+27 51	3.1	K5	6 β Cyg d	38.1	+45 50	6.2	K0	Cyg	46.9	+33 19	6.5	B0	Cyg	54.4	+58 7	6.1	K0	Cyg
28.7	+46 3	var	M5	AF Cyg	38.1	- 0 44	5.5	A2	45 Aql	46.9	-81 29	6.4	K0	Oct	54.4	+34 57	3.8	K0	21 η Cyg
29.0	-53 18	5.9	A	Tel	38.3	+20 22	6.5	B0	Vul	47.7	+38 35	6.2	G4	Cyg	54.8	+20 52	6.4	A3	Vul
29.0	+36 7	6.0	B9	Cyg	38.5	+23 36	6.4	B3	Vul d	47.8	+ 7 46	6.4	B2	Aql	54.8	-73 3	4.0	A0	ε Pav
29.3	+26 31	5.8	G8	Cyg	38.8	+13 42	6.1	B3	Aql	47.9	+28 19	6.4	B3	Cyg	54.9	+36 7	6.0	B3	Cyg
29.8	-45 23	5.9	A	Tel	38.8	+17 22	4.3	G8	6 β Sge	48.0	-10 54	5.6	F0	51 Aql	55.0	+58 43	4.8	K5	Cyg
29.9	+34 21	4.9	B3	8 Cyg	39.1	+42 58	6.2	M2	Cyg	48.3	+ 8 44	0.8	A7	53 α Aql	55.1	-15 38	5.0	A2	61 g Sgr
30.0	+50 12	5.6	K1	Cyg	39.1	+22 20	6.3	K2	Vul	48.4	+70 8	3.9	G8	63 ε Dra d	55.2	+56 33	6.1	A2	Cyg
30.7	-40 9	5.9	A2	Sgr	39.3	+45 24	5.0	F2	Cyg	48.5	-40 0	5.3	A0	Sgr	55.3	-41 59	var	M3	RU Sgr
31.4	+70 53	6.1	K2	Dra	39.4	+60 23	6.1	A2	Dra d	48.6	- 2 35	6.4	K5	Aql	55.4	+50 46	6.2	A0	Cyg
31.5	-48 13	5.0	G9	ι Tel	39.7	-16 15	5.0	F0	55 e^2 Sgr	48.6	+10 17	5.1	F8	54 ο Aql	55.5	+16 39	5.4	B9	11 Sge
31.6	+ 7 16	4.4	K3	38 μ Aql	39.9	+12 4	6.2	B8	46 Aql	48.6	+32 47	var	S7	χ Cyg	55.5	+40 14	5.4	B5	Cyg
31.9	+38 39	6.5	A3	Cyg	40.2	+11 42	5.2	F	47 χ Aql	48.7	-55 6	5.7	G+A	Tel d	55.5	-67 5	5.8	K0	μ^1 Pav
32.3	+49 9	6.1	M4	Cyg	40.2	+40 8	6.2	A3	Cyg	48.8	+38 36	5.2	M2	19 Cyg	55.8	-30 40	6.2	K0	Sgr
32.4	-10 40	5.2	G8	37 Aql	40.3	-37 40	6.2	B8	Sgr	48.9	+ 9 30	6.3	A0	Aql	55.9	-26 20	4.8	G5	60 A Sgr
32.4	+19 40	5.1	B7	9 Vul	40.5	+50 24	5.3	G2	16 c Cyg	48.9	+40 28	5.6	B1	Cyg	56.3	+42 7	6.4	A2	ϑ^1 Cyg d
32.4	+60 3	6.2	K4	Dra	40.7	-15 35	5.5	F2	Sgr	48.9	+22 29	4.9	B3	12 Vul	56.5	-35 25	4.4	B3	ϑ^1 Sgr
32.5	+69 35	4.7	K0	61 σ Dra	40.8	+29 13	6.4	F0	Cyg	49.0	+37 42	6.2	M3	Cyg	56.5	+19 21	3.6	K5	12 γ_2 Sge
32.8	-12 22	6.3	K0	Sgr	40.8	+32 18	5.8	A4	Cyg	49.3	-19 10	6.0	G5	57 Sgr	56.6	-34 50	5.3	A	ϑ^2 Sgr
32.8	- 7 34	6.4	K0	Aql	41.2	+30 33	6.0	A1	Cyg	49.4	+52 52	5.0	K3	20 d Cyg	56.6	+30 51	5.5	B9	Cyg
32.9	+29 21	5.3	F	9 Cyg	41.6	+25 39	5.3	G8	10 Vul	49.7	+11 30	6.1	G2	Aql	56.7	-49 29	6.2	K0	Tel
32.9	+ 2 48	6.3	F2	Aql	42.0	+34 2	6.0	B8	Cyg	49.8	+47 15	6.2	F2	Cyg	56.8	+37 58	6.3	B5	Cyg d
33.0	-24 50	5.7	A	51 h^1 Sgr	42.1	+41 39	5.9	M0	Cyg	49.9	+10 13	6.4	B5	Aql d	56.8	+ 1 14	6.2	G5	Aql
33.0	+51 8	5.7	F8	Cyg	42.2	+48 39	var	M2	RT Cyg	49.9	+24 52	5.6	A1	Vul	57.0	-37 50	6.0	G8	Sgr
33.1	+42 18	5.2	A2	Cyg	42.2	+13 11	6.1	B8	48 ψ Aql	49.9	+ 0 53	var	F6	55 η Aql	57.0	-43 11	6.1	M0	Sgr
33.5	-18 58	6.1	A5	Sgr	42.3	+57 54	6.2	F8	Cyg	50.1	+18 33	6.2	08	9 Sge	57.0	-67 5	5.3	K0	μ^2 Pav
33.7	-25 0	4.6	B9	52 h^2 Sgr	42.5	+37 4	4.8	G8	15 Cyg	50.3	-14 44	var	F	V505 Sgr	57.0	+22 58	5.6	F0	14 Vul
34.0	+14 17	6.3	K0	Aql	42.6	+56 55	6.3	G5	Cyg	50.3	-61 18	6.3	A3	Pav	57.1	-10 5	5.9	G0	Aql
34.0	+22 28	6.1	B9	Vul	42.8	+29 9	var	F0	SU Cyg	50.4	+36 18	6.3	K4	Cyg	57.1	-33 50	5.6	F8	Sgr
34.0	+36 50	5.8	B8	11 Cyg	42.8	-32 2	5.6	B8	Sgr	50.5	+46 54	5.6	09	Cyg	57.3	-45 15	5.8	A7	Sgr

19^h– 20^h | 20^h | 20^h | 20^h

α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
m	°				m	° '				m	°				m	° '			
57.5	−59 31	5.1	M6	Pav	8.7	− 0 58	3.2	B9	65 ϑ Aql	17.1	+13 4	6.3	M1	Del	27.4	+30 12	4.0	F5	41 Cyg
57.8	+45 38	5.8	A2	Cyg	8.9	+20 59	6.1	K0	Sge	17.2	+55 14	5.8	A2	Cyg d	27.4	+36 17	5.9	A1	42 Cyg
57.8	+17 23	5.4	M4	13 Sge	9.0	−42 56	6.2	K2	Sgr	17.2	+46 10	6.2	B2	Cyg	27.9	−29 17	6.1	A6	Mic
57.9	+63 24	5.9	A0	Dra	9.2	+21 44	6.1	B1	Vul	17.4	−29 21	6.3	A2	Sgr d	27.9	+10 44	5.9	A0	1 Del
57.9	+51 55	6.0	B8	Cyg	9.2	−12 33	6.4	K0	1 Cap	17.7	+13 23	5.9	A5	Aql	28.2	+55 54	5.9	B9	Cyg
58.0	−40 57	6.5	A2	Sgr	9.6	−12 46	5.9	F8	2 ξ Cap	17.9	−12 55	4.8	B9	8 ν Cap	28.3	−15 13	6.2	G5	Cap
58.1	+36 54	5.2	B3	25 Cyg	9.7	+26 40	5.4	K3	19 Vul	17.9	+36 58	6.4	A1	Cyg	28.5	+48 47	4.8	B2	45 ω^1 Cyg
58.4	−22 53	6.1	G7	Sgr	9.9	+26 20	5.9	B7	20 Vul	18.0	−14 57	6.2	B9	Cap	28.7	+20 26	6.0	A	Del
58.6	+ 8 25	5.9	K5	Aql	10.0	+ 0 43	6.2	A	Aql d	18.0	+14 25	6.3	G5	Aql	28.7	+62 50	4.2	A	2 ϑ Cep
58.8	+70 14	6.4	G8	Dra	10.0	−63 34	6.1	A6	Pav	18.1	−50 9	6.3	G2	Tel	28.8	+11 5	6.4	A0	Del d
59.0	+27 37	4.7	A	15 Vul	10.5	−52 36	5.7	K5	Tel	18.1	+17 38	5.8	K5	Aql	29.1	+36 46	6.2	F5	44 Cyg
59.2	−13 47	5.8	A2	63 Sgr	10.6	+77 34	4.4	B9	1 κ Cep d	18.2	−14 56	3.1	F8	9 β Cap	29.7	−10 2	5.6	G3	Cap
59.4	+36 58	6.3	K0	Cyg	10.6	− 1 10	5.6	K5	66 Aql	18.3	+46 41	6.2	B9	Cyg	29.8	+49 3	5.4	M2	46 ω^2 Cyg
59.6	−27 51	4.5	M4	62 c Sgr	10.8	+61 56	5.7	F5	68 Dra	18.4	+39 15	6.2	A1	Cyg d	29.8	+25 38	6.2	A	Vul
59.6	+24 40	5.7	B5	Vul	11.1	+51 19	6.1	K1	Cyg	18.8	+62 6	5.6	B9	71 Dra	29.9	−25 7	6.2	A0	Cap
59.9	+24 48	5.2	F5	16 Vul	11.5	+24 5	6.4	A	Vul d	19.1	−42 13	5.6	A0	$\varkappa^1$ Sgr	29.9	+52 8	6.2	K0	Cyg
59.9	+49 58	5.2	K1	26 e Cyg d	11.7	+46 40	4.9	A3	30 Cyg	19.2	+53 26	6.2	K5	Cyg	30.0	−81 28	5.9	K5	Oct
0.2	−38 5	4.8	K5	Sgr	12.0	+15 3	4.9	A2	67 ρ Aql	19.9	+68 43	6.0	M5	Dra	30.2	+72 22	6.3	K4	Dra
0.6	−67 27	6.1	G2	Pav	12.0	+43 14	6.1	K4	Cyg	19.9	+24 17	5.4	B1	25 Vul	30.5	−44 41	5.3	G9	ν Mic
0.8	−22 44	6.5	F5	Sgr	12.1	+46 35	3.7	K1	31 o^1 Cyg	20.3	+40 58	6.3	G2	Cyg	30.6	+56 37	6.2	K5	Cyg
1.0	+64 41	5.2	M1	64 e Dra	12.2	−27 11	5.7	K0	Cap	20.3	− 9 49	6.3	G5	Cap	30.8	+11 8	4.0	B6	2 ε Del
1.0	+18 22	6.0	K3	Sge	12.2	+28 33	5.1	A3	21 Vul	20.4	+40 6	2.2	F8	37 γ Cyg	30.9	−69 47	6.1	K2	Pav
1.0	+76 23	6.2	M3	69 Dra	12.2	+36 27	4.9	A2	29 b^3 Cyg	20.5	+45 38	5.7	K0	Cyg	31.1	+43 1	6.4	B3	Cyg
1.2	−32 12	5.0	K1	Sgr	12.2	+56 25	4.3	A3	33 Cyg	20.5	+63 49	5.8	K5	Dra	31.4	−13 54	6.2	F8	Cap
1.2	+15 53	5.5	B8	14 Sge	12.5	+60 29	6.0	K5	Cep	20.5	−42 35	5.6	A3	$\varkappa^2$ Sgr	31.5	−60 45	4.8	F0	φ^1 Pav
1.3	− 7 37	6.5	A5	Aql	12.6	+41 57	6.4	B8	Cyg d	20.5	+14 23	6.1	F5	Del	31.5	+81 15	5.5	G9	75 Dra
1.6	+29 46	5.6	G6	Cyg	12.7	+36 39	6.4	A0	Cyg	20.6	+31 6	6.0	K2	Cyg	31.5	+ 9 53	6.4	A0	Del
1.7	+ 7 8	5,5	K0	63 τ Aql	12.7	−30 10	6.4	K2	Sgr	20.7	+ 5 11	5.3	G8	Aql	31.6	+12 51	5.2	A2	3 η Del
1.8	− 0 51	5.8	K4	62 Aql	13.1	−36 36	6.5	M4	Sgr	21.0	+40 52	5.9	M0	Cyg	31.7	−38 16	6.4	A2	Mic
1.9	+16 56	5.8	G1	15 Sge	13.1	+25 26	4.8	B3	Vul	21.2	+42 49	6.3	K0	Cyg	31.9	+20 49	6.2	B3	Vul
2.3	−11 45	6.5	F4	Aql	13.3	+23 21	5.2	G2	22 Vul	21.7	−56 54	1.9	B3	α Pav	32.0	+35 5	4.7	K	47 Cyg
2.6	+67 44	4.5	K3	67 ρ Dra	13.5	+33 35	5.6	G6	Cyg	21.9	+32 2	4.4	K3	39 Cyg	32.0	+41 38	6.3	K0	Cyg
2.6	+32 5	5.6	B1	Cyg	13.6	−12 29	6.4	B9	3 Cap	21.9	+37 19	5.9	B2	Cyg	32.2	+74 47	5.2	A	73 Dra
2.7	−12 48	6.4	A0	65 Sgr	13.7	+27 40	4.6	K3	23 Vul	22.1	+ 0 54	6.1	A0	Aql d	32.3	+46 31	5.7	B8	Cyg
2.8	+23 4	6.4	A3	Vul	13.9	+47 34	3.9	K	32 o^2 Cyg	22.4	−28 50	5.8	G9	Sgr	32.4	+80 55	6.0	K0	74 Cyg
2.9	+19 51	5.1	K2	16 η Sge	14.1	+21 27	6.2	K1	18 Sge	22.5	−40 58	6.1	K0	Sgr	32.7	−16 42	6.2	A5	Cap
3.0	+48 5	6.0	A0	Cyg	14.2	+38 45	6.1	B9	Cyg	23.1	− 2 58	6.1	K1	Aql	33.0	+14 30	4.6	A3	4 ζ Del
3.1	+15 21	6.4	M2	Aql	14.3	+50 5	6.3	A0	Cyg	23.2	+53 23	6.4	B9	Cyg	33.4	+51 41	6.2	F0	Cyg
3.6	−53 2	4.9	M2	ξ Tel	14.4	+45 26	5.7	F5	Cyg	23.3	+ 9 54	6.3	K5	Del	33.4	−61 42	5.0	F5	ρ Pav
3.6	−66 30	6.4	K5	Pav	14.5	−83 28	6.2	A2	Oct	23.5	+21 15	5.6	G6	Vul	34.0	+25 42	6.2	A4	26 Vul
3.7	−55 10	6.2	F8	Tel	14.6	+36 54	6.3	B7	Cyg	23.6	−37 34	6.2	K2	Sgr	34.1	−47 28	3.1	K0	α Ind
3.8	+51 42	6.1	M1	Cyg	14.6	+24 31	5.3	G8	24 Vul	23.8	+19 42	6.3	K0	Del	34.1	− 2 43	5.2	K4	70 Aql
3.8	−66 19	3.6	G8	δ Pav	14.7	−63 23	6.3	K0	Pav	24.0	+59 26	6.4	A0	Cyg	34.2	+83 27	6.1	A	Dra
4.1	+63 45	6.2	A2	Dra d	14.9	−12 40	4.2	G3	5 α^1 Cap d	24.1	+17 9	6.0	K0	Del	34.7	− 0 5	6.2	B8	Aql
4.2	+56 12	6.1	F4	Cyg	15.1	−89 8	5.5	F0	σ Oct	24.9	−18 23	5.2	B8	10 π Cap d	34.9	−25 17	6.3	F0	Cap
4.5	+35 50	5.3	K0	27 b^1 Cyg	15.1	−21 58	6.0	G8	4 Cap	25.1	−81 8	5.8	K0	Oct	34.9	+26 17	5.4	B9	27 Vul
4.7	+23 28	5.0	B3	17 Vul	15.1	+40 13	5.3	K5	Cyg	25.2	+34 10	6.4	F3	Cyg	35.2	+14 25	3.8	F5	6 β Del
4.8	+61 51	5.4	K3	66 Dra	15.3	−12 42	3.6	G9	6 α^2 Cap d	25.2	+56 28	6.4	A0	Cyg d	35.4	+11 12	5.4	A2	5 ι Del
4.9	+53 1	5.7	F4	Cyg	15.4	−47 52	6.3	K6	Tel	25.5	+49 13	5.7	F0	43 Cyg	35.5	+31 24	6.2	B8	48 Cyg
5.4	+ 9 15	6.3	F5	Aql d	15.5	+28 59	6.2	G9	Vul	25.6	−35 46	6.2	A0	Mic	35.5	+38 9	6.1	K0	Cyg
5.4	− 0 49	6.0	K1	64 Aql	15.7	−47 44	6.1	F6	Tel	25.7	+ 8 16	6.1	G9	Del	35.5	+31 21	6.4	A5	Cyg
5.8	+34 17	6.1	B5	Cyg	15.8	+42 34	6.3	K4	Cyg	25.7	+38 17	5.4	A3	40 Cyg	35.6	−63 5	6.4	K2	Pav
5.8	−10 13	6.2	A0	Cap	15.9	+37 53	4.8	B	34 P Cyg	25.8	+ 2 46	6.2	G8	Aql	35.6	+18 6	var	M6	EU Del
6.3	+10 35	6.2	B3	Aql	16.3	+40 35	5.8	08	Cyg d	25.8	− 3 31	6.0	B9	68 Aql	35.8	− 1 17	4.3	G8	71 l Aql
7.1	−57 40	6.4	A0	Pav	16.5	−19 17	5.5	K3	7 σ Cap	25.9	−15 55	6.4	K0	Cap	35.8	−75 32	6.0	G1	μ^2 Oct d
7.6	+36 41	5.0	B3	28 b^2 Cyg	16.6	+36 51	5.5	A3	36 Cyg	26.0	−17 59	4.8	F2	11 ρ Cap v	35.9	−60 43	5.1	F8	φ^2 Pav
7.7	+20 46	6.5	F1	17 ϑ Sge d	16.7	−55 13	6.2	K5	Tel	26.6	−22 34	6.2	M1	Cap	35.9	−76 22	6.0	F5	μ^1 Oct
7.9	−36 14	5.3	K3	Sgr	16.7	+34 50	5.2	F5	35 Cyg	27.0	−18 45	5.5	A2	12 o Cap d	36.3	+21 1	4.8	A0	29 Vul
8.5	− 9 0	6.4	B1	Cap	17.0	+66 42	5.9	G5	Dra	27.0	− 3 3	5.1	K2	69 Aql	36.4	+23 56	5.0	B5	28 Vul
8.5	+26 45	5.5	A3	18 Vul	17.1	− 1 14	6.2	K0	Aql	27.1	+19 55	6.3	A	Del	36.4	+13 8	5.8	K3	8 ϑ Del

20^h					20^h					$20^h - 21^h$					21^h				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
m	° '				m	°				m	° '				m	° '			
36.4	+23 30	5.9	K0	Vul	45.1	-44 10	5.1	F1	ι Mic	54.6	+50 53	6.3	B8	Cyg	4.4	+30 59	var	F6	DT Cyg
36.5	-15 8	5.3	B6	14 τ Cap	45.2	+34 11	5.2	K3	T Cyg	54.8	+49 0	5.9	G8	Cyg	4.4	-64 8	5.8	G9	Pav
36.6	- 2 35	6.3	B9	Aqr	45.3	+ 3 7	6.3	A0	Del	54.8	+44 44	6.0	O6	Cyg	4.7	+38 30	4.8	K5	61 ^{2}Cyg d
36.7	+ 9 55	5.0	G5	7 κ Del	45.3	+ 5 49	5.6	A1	13 Del	54.8	+50 32	5.7	F8	Cyg	4.9	+47 27	4.6	K4	63 f Cyg
36.8	+15 40	5.9	B4	Del	45.5	+35 18	4.5	B5	54 λ Cyg	54.9	-16 14	6.0	A	Cap	4.9	-17 39	6.0	A0	Cap
36.9	+ 0 19	5.2	K1	1 Aqr	46.0	-46 25	4.9	K5	ζ Ind	54.9	+56 42	6.2	B3	Cep	5.7	-21 24	5.3	A0	25 χ Cap
36.9	+30 9	5.7	K2	Cyg	46.2	+47 39	5.5	K5	Cyg	55.3	+40 58	4.0	A0	58 ν Cyg	6.0	+ 6 47	6.2	K5	Equ
37.0	+21 38	5.9	A0	Vul	46.3	-25 58	5.8	B6	Cap	55.4	+75 44	6.1	G5	Cep	6.1	+71 14	5.9	F2	Cep
37.2	-33 37	5.5	K2	Mic	46.3	+82 21	5.7	A0	76 Dra	55.9	-14 41	6.0	A3	Aqr	6.4	-72 45	6.2	G9	Pav
37.2	-18 19	5.1	M2	15 ν Cap	46.4	+52 13	6.2	K0	Cyg	56.0	+10 39	5.8	G6	18 Del	6.5	+30 0	5.6	A0	Cyg d
37.2	-23 57	6.4	G7	Cap	46.5	-18 13	6.4	K3	Cap	56.0	+22 8	5.3	K4	33 Vul	6.5	+77 56	5.9	B9	Cep
37.3	+15 44	3.8	B9	9 α Del	46.8	-33 58	4.9	G7	α Mic d	56.5	+44 17	5.6	G8	Cyg	6.7	-20 46	6.2	F2	27 Cap
37.4	-66 56	5.1	B8	ν Pav	47.2	+51 43	6.2	B9	Cyg d	56.6	+ 4 6	5.3	F5	1 ε Equ d	6.9	-11 35	4.5	G8	13 ν Aqr
37.5	+11 4	6.3	F8	Del	47.2	+45 56	4.8	B3	55 Cyg	56.7	+41 45	6.0	B9	Cyg	7.4	+ 2 44	6.4	F2	Equ
37.6	-26 49	6.4	F8	Cap	47.2	+12 21	5.9	F4	15 Del	56.8	-19 14	6.2	A0	20 Cap	7.9	+ 9 56	4.6	F	5 γ Equ
37.7	+45 29	6.5	B3	Cyg	47.4	+ 7 41	6.2	A2	14 Del	56.8	-51 28	5.9	F6	Ind	8.1	+ 9 51	6.0	A1	6 Equ
37.7	+55 50	6.4	F0	Cyg	47.5	+ 5 21	6.1	K0	Del	56.8	-36 19	6.1	F6	Mic	8.4	+63 5	6.5	B5	Cep
37.7	+40 24	5.8	B8	Cyg	47.5	-62 37	5.8	A2	Pav d	56.9	+50 16	5.5	B8	Cyg d	8.7	-70 20	5.0	M2	o Pav
37.7	-16 18	5.9	G7	Cap	47.7	-32 14	6.5	K5	Mic	56.9	-68 24	6.4	A0	Pav	8.7	+53 22	5.7	A	Cyg
38.3	-31 47	5.8	M0	Mic	47.8	-38 6	5.6	K0	Mic	57.1	-53 56	6.3	K5	Ind	8.8	+47 29	6.4	B5	Cyg v
38.3	+43 17	5.9	G9	Cyg	47.9	-51 48	5.2	K1	ι Ind	57.6	+ 7 19	6.0	A5	Equ	8.9	+68 17	var	M7	T Cep
38.4	-26 11	6.4	K0	Cap	47.9	-12 44	6.0	K1	Aqr	57.9	- 4 55	6.3	G1	11 Aqr	8.9	-14 41	6.4	F0	Aqr
38.5	+19 45	6.3	G2	Del	48.2	+46 28	6.5	B4	Cyg	58.1	+47 19	4.6	B1	59 f Cyg d	9.0	-40 28	5.8	F7	Mic
38.5	+29 38	6.0	A3	Cyg	48.3	+43 52	5.1	A4	56 Cyg	58.2	+19 8	5.7	M3	Del	9.1	+36 6	6.4	B1	Cyg
38.9	+14 24	6.0	K4	10 Del	48.3	+17 52	6.5	A1	Del	58.2	+59 15	5.7	K4	Cep	9.9	-39 38	5.3	F4	Mic
39.0	+32 8	5.6	G8	49 Cyg d	48.4	+63 51	6.4	B0	Cep	58.2	-32 27	4.7	G4	γ Mic	10.2	-36 38	6.1	G8	Mic
39.1	+38 54	6.4	B6	Cyg	48.8	- 5 49	6.0	F3	4 Aqr	58.7	-77 13	5.1	F4	α Oct	10.3	-27 49	5.6	K5	Mic
39.2	+60 19	5.9	F4	Cep	48.8	-27 6	4.1	K5	18 ω Cap	58.8	-27 5	5.9	A	Cap	10.5	+59 47	5.7	B0	Cep
39.6	-39 44	6.3	K0	Mic	48.9	-33 22	6.0	A2	β Mic	58.9	-43 12	6.0	G3	Mic v	10.8	+30 1	3.2	G8	64 ζ Cyg
39.7	+17 20	6.1	G8	Del	49.3	+28 4	var	F5	T Vul	59.2	+35 50	5.9	G5	Cyg	11.1	+15 47	6.2	A3	Peg
39.7	+45 6	1.3	A2	50 α Cyg	49.5	- 5 42	5.5	B8	5 Aqr	59.3	-38 44	5.9	K0	Mic	11.4	+36 26	6.0	A5	Cyg
40.1	+41 32	5.6	B8	Cyg	49.9	+80 22	5.5	K1	Dra	59.4	+45 58	5.4	B1	60 Cyg d	11.6	-10 49	6.5	B9	Aqr
40.4	-52 6	4.5	A9	η Ind	50.0	- 9 10	4.7	A	6 μ Aqr	59.8	-38 50	5.4	F2	ζ Mic	12.0	+29 42	6.1	G2	Cyg
40.4	+35 17	6.5	B2	Cyg	50.0	+32 40	6.3	B3	Cyg	0.0	-27 56	6.2	G8	Mic	12.0	-40 43	6.3	K2	Mic
40.5	-66 23	3.4	A5	β Pav	50.0	+26 55	4.6	G8	31 Vul	0.4	- 1 7	6.3	B8	Aqr	12.0	+ 9 48	4.5	F7	7 δ Equ d
40.7	+50 10	5.4	B2	51 Cyg	50.1	-23 58	6.4	G5	Cap d	0.5	+ 1 20	6.5	F5	Aqr d	12.2	-53 28	5.7	A7	Ind
41.1	+14 54	4.5	A	11 δ Del	50.4	-11 46	6.4	G1	Aqr	0.6	+44 36	6.2	M3	Cyg	12.3	-17 33	6.2	G5	Cap
41.4	+35 24	var	F7	X Cyg	50.4	-30 55	6.5	K0	Mic	0.7	+14 32	6.2	M1	Del	12.7	-36 25	6.1	K0	Ind
41.6	+60 25	6.0	A0	Cep	50.4	-40 0	5.3	K1	Mic	0.8	+56 28	5.8	B9	Cep d	12.7	+64 12	6.3	G0	Cep
42.0	+56 56	6.3	B2	Cep	50.9	-58 39	3.6	K0	β Ind	1.0	+45 39	6.5	B7	Cyg	12.8	-20 52	5.4	G9	28 φ Cap
42.2	-27 26	6.5	G5	Cap	51.0	+29 28	6.2	K2	Cyg	1.1	+38 28	6.0	G8	Cyg	12.8	+37 50	3.7	F0	65 τ Cyg
42.6	+66 29	5.5	A5	4 Cep	51.0	-50 55	6.5	B9	Ind	1.4	- 6 1	5.6	A3	12 Aqr d	13.0	-15 23	5.3	M3	28 Cap
42.7	+25 5	4.9	K2	30 Vul	51.1	-28 7	6.5	M4	Mic	1.6	-20 3	4.8	A3	22 η Cap	13.3	+ 5 2	3.9	F	8 α Equ
43.1	+56 18	6.1	M3	Cep	51.3	- 7 5	6.5	F0	Aqr	1.6	-54 56	5.2	K2	μ Ind	13.9	+47 46	6.3	B5	Cyg
43.1	-39 23	5.5	B8	Mic	51.5	+44 12	4.7	B5	57 Cyg	1.8	+50 9	6.3	K0	Cyg	13.9	-64 53	6.3	A0	Pav
43.1	-36 18	6.5	F3	Mic	51.6	+44 59	5.4	G8	Cyg	2.0	+46 40	6.4	F2	Cyg	14.1	- 1 49	6.4	K0	Aqr
43.1	-25 27	4.1	F5	16 ψ Cap	51.6	+42 13	6.5	A0	Cyg	2.0	+41 26	6.3	F2	Cyg	14.5	-13 29	6.2	A0	Aqr
43.2	+17 54	var	M5	U Del	51.9	+33 15	5.5	K5	Cyg	2.1	+ 5 18	5.8	K5	3 Equ	14.9	-32 23	4.7	A2	ε Mic
43.3	-21 42	5.9	A0	17 Cap	52.0	-18 7	5.9	K0	19 Cap	2.2	+ 2 4	6.3	G5	Aqr	15.2	-18 12	5.4	B8	30 Cap
43.6	+30 32	4.3	K0	52 Cyg d	52.2	+28 20	6.4	B2	Vul	2.3	+53 5	5.9	K0	Cyg	15.4	+39 11	4.2	B9	67 σ Cyg
44.1	+57 24	4.6	F8	Cep	52.4	+27 52	5.1	K4	32 Vul	3.0	+ 5 46	5.9	F8	4 Equ	15.5	-17 40	6.3	A2	31 Cap
44.2	+33 47	2.4	K0	53 ε Cyg	52.5	+40 31	6.4	B6	Cyg	3.0	-30 19	5.7	K0	δ Mic	15.5	+53 47	6.0	A0	Cyg
44.3	+61 39	3.4	K0	3 η Cep	53.2	+ 4 20	6.0	G6	Del d	3.1	-76 25	6.5	K0	Oct	15.5	+42 28	6.1	B8	Cyg
44.3	+15 57	3.9	G+K	12 γ Del d	53.2	+13 32	5.2	K0	17 Del	3.1	+43 44	3.7	K5	62 ξ Cyg	15.5	+81 1	6.0	A2	Cep
44.5	- 2 40	6.3	K2	Aqr	53.3	+12 23	5.5	A4	16 Del	3.1	-17 26	4.1	A0	23 ϑ Cap	15.6	- 4 44	5.7	B7	15 Aqr
44.6	-68 58	5.4	K0	σ Pav	53.7	- 3 45	6.5	B9	Aqr	3.2	-41 35	5.6	K2	η Mic	15.7	+55 35	6.0	K3	Cep
44.9	+52 49	6.3	K0	Cyg	53.6	-26 29	5.8	F8	Cap	3.4	-32 33	5.3	K3	Mic	15.9	+34 41	4.4	B2	66 ν Cyg d
45.0	+46 21	6.2	A2	Cyg	54.1	+47 14	5.7	B8	Cyg	4.2	-73 22	5.7	G3	Pav	15.9	+58 24	6.4	B2	Cep
45.0	- 9 41	3.8	A1	2 ε Aqr	54.2	- 9 53	5.7	K5	7 Aqr	4.2	-25 12	4.5	M1	24 ⁴A Cap	16.0	-28 59	6.4	G5	Mic
45.1	- 5 13	4.6	M3	3 k Aqr	54.6	+ 0 16	6.1	K2	Aqr d	4.2	+26 43	6.1	K1	Vul	16.3	+76 48	6.0	K5	Cep

21^h					21^h					21^h					$21^h - 22^h$				
α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
m	° '				m	° '				m	° '				m	° '			
16.3	-53 40	4.4	A4	ϑ Ind d	25.3	+36 54	5.2	B3	70 cyg	37.0	+ 2 1	5.2	K0	25 d Aqr	47.6	+29 56	5.0	A0	14 Peg
16.4	+10 59	6.2	K5	Equ	25.5	+27 25	5.4	A1	35 Vul	37.0	-55 58	6.3	G9	Ind	47.6	+40 55	6.4	A2	Cyg
16.6	+43 44	5.0	O8	68 A Cyg	25.5	-53 55	6.5	K2	Ind	37.3	-16 53	3.7	A	40 γ Cap	47.8	+17 3	5.2	F2	13 Peg
16.9	-26 34	6.5	G4	Cap d	25.5	-11 47	6.5	F5	Cap	37.4	+57 16	5.6	O6	Cep d	47.9	+61 2	6.2	M1	Cep
16.9	-45 14	var	N	T Ind	25.9	-22 2	4.5	G5	36 b Cap	38.2	+43 3	6.2	M0	75 Cyg	48.9	-18 51	6.1	F1	Cap
17.0	+40 50	6.2	A5	Cyg	26.0	+32 0	5.7	F2	Cyg	38.8	-14 16	5.3	G2	42 Cap	49.0	+39 18	6.2	B8	Cyg
17.4	+38 2	5.8	F2	Cyg	26.0	+59 32	6.2	M1	Cep d	38.9	-25 20	6.5	K0	PsA	49.2	+19 35	5.7	B6	Peg d
17.4	+62 22	2.4	A7	5 α Cep	26.1	-31 27	6.6	A0	5 PsA	39.1	+54 39	6.0	K0	Cep	50.3	+28 34	5.5	F0	15 Peg
17.6	-41 1	4.8	A	ϑ¹ Mic	26.4	+80 18	6.0	G6	Cep	39.2	-23 29	5.3	G9	41 Cap	50.3	+55 34	5.5	B6	Cep d
17.8	+49 18	5.7	B5	Cyg	26.7	+17 41	6.2	K5	Peg	39.6	+40 35	6.1	A2	76 Cyg	50.4	+65 31	6.4	A	Cep d
17.9	-50 9	6.4	K2	Ind	26.7	+21 58	5.9	M4	Peg	39.6	+ 1 3	5.6	K4	26 Aqr	50.6	-13 47	5.1	F0	51 μ Cap
17.9	+58 25	5.7	M1	Cep d	26.8	+66 35	5.4	B7	7 Cep	39.8	+ 5 27	5.4	M2	7 Peg	50.8	+25 41	5.1	B3	16 Peg
18.0	+21 49	6.2	B7	Peg	27.3	+55 12	6.0	B9	Cyg	39.9	-19 6	4.7	G8	43 ϰ Cap	50.9	-37 36	3.0	B8	γ Gru
18.3	+64 40	5.1	B3	6 Cep	27.6	+46 19	5.2	K0	71 g Cyg	39.9	+35 17	var	N	V460 Cyg	50.9	-10 33	6.5	B9	Cap
18.5	- 4 46	6.0	G7	16 Aqr	27.7	+23 25	4.6	M1	2 Peg	40.1	+10 36	5.9	B5	Peg	51.3	+19 26	5.8	A0	Peg
18.6	+ 7 8	5.8	M2	9 Equ	28.0	+70 20	3.2	B2	8 β Cep d	40.2	+45 32	6.5	M4	Cyg	51.5	-62 7	5.9	F0	Ind
18.7	+32 14	6.3	G8	Cyg d	28.7	+52 44	6.1	A0	Cyg	40.3	+50 58	4.8	B3	80 π¹ Cyg	51.6	- 4 21	5.9	K2	Aqr
18.8	+23 39	5.6	K0	Peg	28.7	+11 55	6.0	B9	Peg	40.3	-14 38	6.0	A5	44 Cap	51.9	+19 29	6.2	K0	Peg d
19.1	+40 8	6.4	F8	Cyg	28.9	- 5 48	2.9	G0	22 β Aqr	40.4	+40 51	5.5	A0	77 Cyg	52.0	- 3 32	6.2	F8	Aqr d
19.3	+32 24	6.0	A2	Cyg	28.9	-41 21	5.3	K0	ξ Gru	40.4	-19 51	6.2	A	Cap	52.7	-58 8	6.3	A	Ind
19.3	+60 33	6.1	K0	Cep	29.2	-34 10	6.0	A2	6 PsA	40.8	+49 22	6.0	G8	Cyg	53.2	+56 22	5.8	B8	13 Cep
19.5	-17 3	4.3	G8	32 ι Cap	29.6	+60 14	5.6	B1	Cep	41.1	-71 14	6.0	B8	Ind	53.4	-37 29	5.6	A3	Gru
19.8	+19 35	4.1	K1	1 Peg d	29.7	-24 49	6.4	A5	Cap	41.1	+40 56	5.4	M2	Cyg	53.8	+61 18	6.1	G8	Cep
19.8	-69 57	var	N	Y Pav	29.8	+52 24	6.0	K	Cyg	41.2	+71 5	4.7	K0	11 Cep	54.0	-37 59	6.2	F1	Gru
20.1	-22 53	5.6	M1	Cap	29.8	-52 58	6.4	K9	Ind	41.3	+59 2	6.1	K2	Cep	54.2	+65 5	5.9	B2	Cep
20.3	- 9 32	6.0	M0	17 Aqr	30.2	-45 4	5.6	K0	Gru	41.3	-14 59	5.9	A5	45 Cap	54.5	+11 50	5.6	A2	17 Peg
20.3	+49 10	6.0	K0	Cyg	30.2	+23 10	6.4	A	Peg	41.4	+38 3	5.6	B9	79 Cyg	54.5	-55 14	4.4	F0	δ Ind
20.4	+ 6 36	5.2	A2	10 β Equ	31.1	-43 9	6.4	K0	Gru	41.4	-38 47	6.3	G5	Gru	55.0	-59 15	6.1	F5	Ind
20.5	+30 6	6.1	K1	Cyg	31.2	+49 45	5.7	A0	Cyg	41.7	+ 9 39	2.4	K2	8 ε Peg	55.1	+48 26	6.3	A0	Cyg
20.6	-72 1	6.1	K0	Pav	32.0	-20 18	5.8	F1	37 Cap	41.9	+28 31	4.4	F6	78 μ Cyg d	55.2	+63 23	var	M2	VV Cep
20.8	+38 25	6.4	A2	Cyg	32.1	+45 22	4.0	G8	73 ρ Cyg	42.0	-33 15	4.3	A0	9 ι PsA	55.6	- 5 40	6.2	F2	Aqr
21.0	-46 50	6.3	A2	Ind	32.3	+22 32	6.3	F8	Peg	42.0	+58 33	var	M2	μ Cep	55.9	+65 55	6.2	B2	Cep
21.2	-41 13	5.8	A0	ϑ² Mic	32.4	-23 41	6.4	G7	Cap	42.1	+14 33	6.0	G0	Peg	55.9	-21 25	6.1	M4	Cap
21.3	-22 58	6.5	K0	Cap	32.7	- 4 12	5.8	G9	Aqr	42.1	+17 7	4.4	G5	9 Peg	56.3	-38 38	5.5	G9	Gru
21.3	-21 4	5.8	K2	33 Cap	32.7	+38 17	4.9	K1	72 Cyg	42.3	- 9 19	5.1	G8	46 c Cap	56.3	- 4 37	6.4	K2	Aqr
21.5	-13 6	5.5	A9	18 Aqr	32.7	+51 28	5.9	B9	Cyg	42.4	+25 25	4.2	F5	10 ϰ Peg	57.0	-56 7	6.0	A0	Ind
21.7	-85 2	6.4	K2	Oct	32.8	-79 40	6.2	F5	Oct	42.5	+72 5	5.2	K1	Cep	57.4	+62 27	6.0	M3	Cep
21.7	+24 4	5.7	F0	Peg	33.1	+27 58	6.3	F0	Peg	43.5	-82 57	5.3	G5	λ Oct d	57.4	+ 6 29	5.9	B3	18 Peg
21.9	+25 6	6.2	A2	Vul	33.2	+24 14	6.1	A3	Peg	43.5	+62 14	6.0	O9	Cep	57.7	+57 25	6.5	A0	Cep
22.0	+ 9 57	6.3	F5	Equ	33.3	-26 24	5.8	A3	8 PsA	43.6	- 9 30	6.2	M3	47 Cap	58.0	-28 42	5.4	B8	12 η PsA d
22.1	+24 19	6.3	K0	Vul	33.8	-33 16	6.1	A5	7 PsA	43.8	+22 43	5.3	K0	12 Peg	58.2	-76 22	5.9	F3	Oct d
22.3	- 3 37	6.4	A9	20 Aqr	34.1	+29 50	6.3	G8	Cyg	43.8	-11 36	5.6	A2	48 λ Cap	58.2	+32 46	6.4	F5	Peg
22.3	-65 36	4.2	F8	γ Pav	34.1	-65 3	6.2	A2	Ind	44.0	+60 53	4.3	A2	10 ν Cep	58.5	+ 0 22	5.6	K4	28 Aqr
22.3	+25 58	5.7	F0	Peg	34.1	+45 9	var	M4	W Cyg	44.1	+25 20	6.3	K3	Peg	58.5	+72 57	5.1	F5	16 Cep
22.5	- 9 58	5.8	A4	19 Aqr	34.3	-19 41	4.6	B3	39 ε Cap	44.3	-16 21	2.8	A	49 δ Cap	58.7	+12 53	5.6	F2	12 Peg
22.7	- 3 46	5.7	K4	21 Aqr	34.9	+40 11	5.0	A4	74 Cyg	44.3	+42 50	6.4	A0	Cyg	58.7	+ 8 1	5.7	K5	19 Peg
22.7	-54 53	6.1	F0	γ Ind	35.0	- 0 37	6.2	A2	Aqr d	44.7	+ 2 27	5.6	A0	11 Peg	59.2	+62 15	6.5	B0	Cep
23.2	+49 6	6.4	A0	Cyg	35.1	- 8 5	4.7	A7	23 ξ Aqr	44.7	+16 58	6.2	F2	Peg	59.4	-18 9	6.4	G&	Aqr
23.3	-38 3	5.6	K0	Mic	35.2	+ 6 24	6.2	A0	3 Peg d	44.8	-31 8	5.0	A2	10 ϑ PsA	59.6	-57 0	4.7	K5	ε Ind
23.3	+ 0 19	6.4	A0	Aqr	35.4	+19 6	5.4	F0	5 Peg	44.9	+49 5	4.2	B3	81 π² Cyg	59.6	+10 44	6.4	B5	Peg
23.5	+46 30	5.5	F0	Cyg	35.5	+44 28	6.0	A3	Cyg	45.0	- 6 9	6.2	A3	Aqr	59.7	-17 12	6.5	A2	29 Aqr d
23.7	+36 27	5.9	B0	69 Cyg d	36.0	+52 49	6.1	K1	Cyg	45.0	-47 32	5.6	G2	Gru	0.0	+52 38	5.6	B5	Cyg
23.8	-22 38	3.7	G5	34 ζ Cap	36.0	-77 37	3.8	K0	ν Oct	45.9	+60 28	5.4	M1	12 Cep	0.2	+82 38	6.5	F5	Cep d
23.8	-42 46	5.6	A	Mic d	36.0	+ 5 33	5.7	A6	4 Peg	46.1	+69 55	6.4	A0	Cep	0.4	+57 46	5.6	O9	14 Cep
23.9	+ 0 53	6.1	F5	Aqr	36.1	-33 54	6.3	K0	PsA	46.1	-64 57	5.6	K0	Ind	0.6	- 6 45	5.6	G5	30 Aqr
24.1	+19 9	6.0	A	Peg	36.5	+25 16	6.2	G5	Peg	46.4	+38 25	5.8	B8	Cyg	0.7	- 2 24	4.8	B8	31 o Aqr
24.3	-69 43	5.3	M7	Pav	36.6	+61 51	4.7	B2	9 Cep	46.6	-69 52	5.5	K5	o Ind	0.9	+11 9	5.7	B9	21 Peg
24.4	-21 25	5.8	K5	35 Cap	36.6	-52 35	6.3	F7	Ind	47.0	-12 57	6.1	A0	Cap	0.9	+44 24	5.6	A	Lac
25.1	+48 37	5.3	A	Cyg	36.7	+20 2	5.7	F0	Peg	47.1	+20 14	6.1	B3	Peg	1.5	-30 10	6.5	K5	13 PsA
25.1	+52 41	6.0	B8	Cyg	36.8	-10 48	6.2	K0	Cap	47.5	-17 5	6.5	K0	Cap	1.8	-27 4	5.8	B5	PsA

22^h α	δ	mag	sp	const
2.2	− 1° 9'	5.3	A	32 Aqr
2.3	+64 23	4.6	A	17 ξ Cep d
2.4	−59 53	5.6	K5	Ind
2.4	+32 42	6.3	G5	Peg
2.4	+62 53	5.3	M5	18 Cep
2.9	+26 26	5.8	K3	Peg
3.1	−39 47	4.4	K2	λ Gru
3.2	+ 4 49	4.8	K4	22 ν Peg
3.2	− 0 34	2.9	G2	34 α Aqr
3.3	+46 30	6.1	M8	Lac
3.3	+28 43	5.6	A0	23 Peg
3.5	+62 32	5.2	K4	20 Cep
3.6	+62 2	5.1	09	19 Cep
3.7	−14 7	4.3	B8	33 ι Aqr
3.8	+44 52	6.4	A0	Lac
3.9	+47 59	6.3	B2	Lac
4.0	+44 46	5.1	K5	Lac
4.2	+45 0	6.0	A2	Lac
4.5	+56 6	6.2	A	Cep
4.7	+25 6	3.8	F5	24 ι Peg
5.1	−47 12	1.7	B5	α Gru
5.1	+19 14	5.7	F2	Peg
5.1	+17 45	6.2	M1	Peg
5.5	−33 14	4.5	A2	14 μ PsA
5.5	+58 36	6.2	G6	Cep
5.5	+21 28	5.8	B7	25 Peg
5.5	−34 17	5.0	M1	υ PsA
5.6	+53 4	6.1	A3	Lac
5.8	−33 22	6.4	A2	PsA
6.0	+25 18	5.9	F0	Peg
6.2	−18 46	5.7	B3	35 Aqr
6.7	+45 30	var	K	AR Lac
6.8	−48 21	6.4	K2	Gru
7.0	+32 56	5.6	G6	27 Peg
7.0	−34 16	5.4	A4	PsA
7.2	128 32	6.5	A3	PsA
7.2	−32 48	4.9	F5	15 τ PsA
7.3	−76 22	6.1	G9	Oct
7.7	+ 5 57	3.5	A2	26 ϑ Peg
7.8	− 4 8	6.1	A0	Aqr
7.8	+32 56	4.3	F5	29 π Peg
7.9	+19 22	5.0	G0	Peg
7.9	+14 23	6.2	K0	Peg
8.0	−11 49	5.5	B6	38e Aqr
8.0	− 4 31	6.1	K0	Aqr
8.1	+20 44	6.4	A4	28 Peg
8.2	+11 23	5.7	M1	Peg
8.3	−21 29	6.1	F6	Aqr
8.6	+30 18	6.3	A5	Peg
8.9	+72 6	4.9	G8	24 Cep
9.1	+57 57	3.4	K1	21 ζ Cep
9.2	+50 35	5.4	A2	Lac
9.3	+71 52	6.4	B9	Cep
9.4	+15 48	6.0	K1	Peg
9.5	+69 53	5.5	F2	Cep d
9.7	−14 26	6.2	F2	39 Aqr
9.8	+24 42	6.0	K0	Peg
9.8	+59 10	5.0	06	22 λ Cep
10.0	+56 35	5.2	F8	Cep
10.1	− 4 58	6.4	F5	Aqr

22^h α	δ	mag	sp	const
10.1	−26° 35'	6.2	A2	PsA
10.4	+60 31	5.4	K1	Cep
10.6	+34 21	5.3	K2	Peg
10.8	+63 3	5.6	M3	Cep
10.9	−25 26	5.6	F6	PsA
11.3	+28 22	5.9	K3	Peg
11.5	−28 1	5.4	B8	16 λ PsA
11.5	−21 19	5.4	K0	41 Aqr d
11.6	−41 37	6.2	G5	Gru
11.7	+39 28	4.5	K3	Lac
11.8	+45 12	5.4	A0	Lac
12.0	+73 4	6.0	K0	Cep d
12.3	+62 55	6.2	B9	Cep
12.5	−44 42	6.1	G9	Gru
12.6	−41 36	4.8	G4	μ^1 Gru
12.6	+42 42	5.7	A0	Lac
13.0	−77 46	5.5	A6	ψ Oct
13.2	+56 48	4.2	F0	23 ε Cep
13.4	−41 53	5.1	G5	μ^2 Gru
13.5	+ 8 18	6.0	A0	Peg
13.8	+37 30	4.1	K3	1 Lac
13.8	−26 9	6.1	K0	PsA
14.0	− 1 51	6.1	A4	Aqr
14.1	−13 5	5.6	K0	42 Aqr
14.2	+27 33	6.3	K0	Peg
14.2	− 8 2	4.2	G8	43 ϑ Aqr
14.2	−23 23	6.4	G5	Aqr
14.2	− 9 17	5.8	K3	Aqr
14.5	− 5 38	5.8	G4	44 Aqr
14.5	−80 41	5.1	M6	ε Oct
14.6	+56 58	5.9	G8	Cep
15.0	−53 52	5.4	G1	Gru d
15.1	−60 31	2.8	K3	Tuc
15.5	− 0 29	6.4	F5	Aqr
16.3	−13 33	6.1	G7	45 Aqr
16.6	+62 33	5.8	K3	25 Cep
16.7	+37 33	6.2	F2	Lac d
17.3	−57 46	6.3	K5	Tuc
17.6	+85 51	5.3	A0	Cep
17.6	− 8 4	5.3	B8	46 ρ Aqr
17.9	+ 5 32	5.3	B5	30 Peg
18.4	+ 7 56	6.1	F4	Peg
18.7	+26 41	6.3	M4	Peg
18.8	−21 51	5.1	K2	47 Aqr
19.0	+46 17	4.6	B6	2 Lac
19.0	+28 5	4.8	B8	32 Peg
19.1	+11 57	5.0	B2	31 Peg
19.1	− 1 38	3.8	B9	48 γ Aqr
19.7	+41 50	6.3	B3	Lac
20.1	−46 11	5.6	F0	π Gru v
20.4	−72 30	5.3	G0	ν Ind
20.4	−89 5	6.5	A7	B Oct
20.7	−25 11	5.6	G9	49 Aqr
20.9	− 7 27	6.1	G6	Aqr
21.2	+57 2	6.2	B8	Cep
21.3	+20 36	6.0	F4	33 Peg
21.3	−70 41	5.8	F3	Ind
21.3	+62 10	6.0	A0	Cep
21.5	− 5 5	5.8	A0	51 Aqr
21.6	−75 16	6.0	G2	Oct d

22^h α	δ	mag	sp	const
21.6	+51° 59'	4.5	G9	3 β Lac
21.6	−58 3	5.3	G0	Tuc
21.7	+38 19	6.1	F5	Lac
21.8	−13 47	5.9	G6	50 Aqr
22.5	+49 13	4.5	B9	4 Lac
22.7	−86 13	5.8	K0	υ Oct
22.7	+ 1 7	4.7	B1	52 π Aqr
23.3	+18 11	6.3	K0	Peg
23.3	+77 59	6.5	B9	Cep
23.4	−23 56	6.2	A0	Aqr
23.8	−65 13	4.5	B8	δ Tuc d
23.9	−17 0	5.7	G2	53f Aqr d
24.1	+ 4 8	5.8	F5	34 Peg
24.5	+37 11	6.4	B2	Lac d
24.7	+70 31	5.5	K2	Cep
25.0	−67 45	5.5	A3	Ind
25.1	+56 11	6.4	B8	Cep
25.2	+39 33	6.1	B2	Lac
25.3	+ 4 27	4.8	K0	35 Peg
25.5	+64 53	5.5	B0	26 Cep
25.5	+31 35	6.0	K2	Peg
25.7	−39 23	5.5	G9	ν Gru
26.3	− 0 17	3.7	F2	55 ζ Aqr d
26.3	−43 45	4.0	G5	δ^1 Gru
26.4	+78 32	5.8	A2	28 Cep
26.6	+ 8 52	5.6	K5	36 Peg
26.7	+63 50	6.2	K0	Cep
26.8	−44 0	4.3	M6	δ^2 Gru
26.8	+26 30	5.8	K2	Peg
27.0	−27 22	5.9	F0	PsA
27.3	+58 10	var	F5	27 δ Cep d
27.4	−13 10	6.2	F1	Aqr
27.4	+ 4 11	5.5	F5	37 Peg
27.4	+47 27	4.5	M0	5 Lac
27.6	−14 51	6.4	A0	56 Aqr
27.7	+32 19	5.5	B9	38 Peg
28.0	−10 56	4.8	A0	57 σ Aqr
28.1	−26 20	6.5	K0	ζ PsA
28.3	+42 52	4.5	B2	6 Lac
28.7	−32 36	4.3	A0	17 β PsA d
28.7	− 6 49	6.2	F8	Aqr
28.7	− 3 10	6.3	K0	Aqr
29.0	−11 10	6.4	A7	58 Aqr
29.2	+50 1	3.8	A2	7 α Lac
29.2	+29 17	6.3	A5	Peg
29.5	+78 34	5.5	A2	29 ρ Cep
29.6	−62 14	4.9	M4	ν Tuc
30.2	+19 58	6.2	F0	39 Peg
30.2	+39 31	5.8	A3	Lac
30.3	+53 47	6.3	K0	Lac
30.3	+15 36	6.3	K0	Peg
30.8	−79 2	6.1	K0	Oct
31.4	+75 58	5.8	A0	Cep
31.5	− 1 50	5.9	G6	60 Aqr
31.6	+69 39	5.9	A	Cep
31.7	+56 22	5.6	K0	Cep
31.9	+70 7	6.2	A0	Cep d
32.0	−20 58	5.2	F3	59 υ Aqr
32.7	−58 9	6.3	A3	Tuc
32.8	− 0 23	4.0	B8	62 η Aqr

22^h α	δ	mag	sp	const
32.9	−24° 15'	6.0	K0	Aqr
33.6	−40 50	6.3	A4	Gru
33.6	+39 23	5.7	B1	8 Lac d
33.8	−31 55	5.8	K1	PsA
33.8	+49 49	6.2	A2	Lac
33.9	+35 19	6.1	K0	Lac
33.9	+55 49	6.2	A2	Lac
34.1	−40 51	5.8	A2	Gru
34.1	+11 26	6.4	A2	Peg
34.5	+73 23	5.2	F4	31 Cep
34.5	+35 24	6.4	K5	Lac
35.2	− 4 29	5.0	K2	63 α Aqr
35.3	+51 17	4.8	A7	9 Lac
35.7	− 8 9	6.2	G0	Aqr
36.0	−29 1	6.5	K0	PsA
36.0	−33 21	5.6	A	PsA
36.1	+44 55	6.4	F8	Lac
36.1	+75 7	5.9	M1	Cep
36.5	+19 16	5.7	G7	40 Peg
36.7	+56 32	5.2	M4	Cep
36.9	+63 19	5.2	A2	30 Cep
37.0	−28 35	6.3	K0	PsA d
37.0	+38 47	4.9	09	10 Lac
37.3	+37 20	6.0	G	Lac
37.4	+19 25	6.2	A2	41 Peg
37.6	−30 55	5.9	K3	PsA
37.6	−57 41	6.0	K2	Tuc
37.9	−27 18	4.2	B8	18 ξ PsA
38.2	− 3 49	6.4	G0	Aqr
38.3	+53 35	6.0	G4	Lac
38.3	+44 1	4.5	K3	11 Lac
38.4	+14 17	5.7	G3	Peg
39.0	+10 34	3.5	B8	42 ζ Peg
39.2	+30 42	6.3	K5	Peg
39.2	+39 58	5.2	B2	12 Lac
39.4	+41 17	6.3	G9	Lac
39.4	+29 3	4.8	A1	43 ο Peg
39.5	+14 15	6.0	K0	Peg
39.6	−29 37	6.2	M5	19 PsA
39.6	−47 28	6.0	G1	Gru d
39.7	−47 9	2.2	M3	β Gru
39.8	−44 31	6.1	K1	Gru
40.3	+53 39	6.2	K2	Lac
40.6	−41 41	4.8	G8	ρ Gru
40.6	− 7 14	6.3	B9	67 Aqr
40.6	+37 32	6.4	B1	Lac
40.7	+29 58	3.0	G8	44 η Peg
40.9	−19 6	4.7	K4	66 g Aqr
40.9	+46 54	6.4	B9	Lac
41.1	−60 46	6.4	F5	Tuc
41.1	−81 39	4.1	A9	β Oct
41.2	+10 41	6.3	F5	Peg
41.8	+39 12	5.9	K5	Lac d
41.9	+41 33	5.1	K0	13 Lac
42.6	−53 46	4.8	K2	η Gru
42.7	−46 49	5.5	K3	Gru
43.0	+19 6	6.3	G6	45 Peg
43.9	+44 17	5.8	A8	Lac
44.1	+23 18	4.0	G8	47 λ Peg
44.2	+11 55	4.2	F7	46 ξ Peg

22^h | $22^h - 23^h$ | 23^h | 23^h

α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const	α	δ	mag	sp	const
m	° '				m	° '				m	° '				m	° '			
44.5	-34 26	6.3	K0	PsA	54.7	- 5 5	6.4	G6	Aqr	4.1	-43 47	4.3	F6	ϑ Gru	14.5	-58 31	4.0	F0	γ Tuc
44.9	-19 52	5.3	G7	68 Aqr	54.9	+48 25	5.5	B2	Lac	4.1	-39 10	5.6	A0	υ Gru	14.6	+ 3 1	3.7	G7	6γ Psc
45.1	-14 19	5.7	B9	69 Aqr d	54.9	+84 5	4.9	K4	Cep	4.3	-49 53	6.3	K0	Gru	15.1	-11 59	6.4	A0	Aqr
45.1	-61 57	6.4	K0	Tuc	54.9	-29 53	1.2	A3	24 α PsA	4.4	-50 57	5.8	F7	Gru d	15.3	-67 45	6.1	K0	Ind
45.2	-26 10	6.5	G5	PsA	55.0	+ 3 33	6.3	K1	Psc	4.4	-79 45	6.1	A3	Oct	15.3	- 9 27	4.4	B5	93 ϕ^2 Aqr
45.4	+58 13	6.3	A0	Cep	55.0	+20 30	5.5	G5	51 Peg	4.5	+ 9 9	4.5	M2	55 Peg	15.4	-41 6	5.5	F6	Gru
45.5	-51 35	3.5	A2	ε Gru	55.4	+39 2	6.2	B2	Lac	4.5	+59 9	4.9	B0	1 Cas	15.4	+48 45	4.9	M2	8 And
45.7	-70 37	6.3	A2	Ind	55.7	- 2 40	6.2	G5	Psc	4.7	+25 12	4.8	K0	56 Peg	15.4	-79 45	6.3	K0	Oct
45.8	-80 23	5.3	B5	ξ Oct	55.8	-35 47	6.1	F8	PsA	4.9	+52 33	6.2	K0	And	15.5	+75 2	6.4	A2	Cep
45.9	-10 49	6.2	F0	70 Aqr	55.8	- 1 41	6.4	F2	Psc	5.0	+20 52	5.9	A5	Peg	15.6	+45 13	6.3	A	And
45.9	+37 9	5.8	G8	Lac	56.0	+ 9 5	6.4	G1	Peg	5.1	+59 27	6.3	B2	Cas	16.0	+41 30	5.9	A3	9 And
46.7	+54 9	6.0	B8	Lac	56.2	+ 7 4	6.3	A0	Psc	5.1	+32 33	6.2	A3	Peg d	16.1	-32 48	4.4	G8	Scl
46.8	+62 40	6.0	K0	Cep	56.7	+11 28	5.7	F0	52 Peg	5.2	-73 51	6.1	K0	Ind	16.4	- 9 53	5.0	A0	95 ϕ^3 Aqr
46.9	-13 51	4.0	M0	71 τ Aqr	56.9	-29 44	5.5	A5	PsA	5.4	+46 7	5.3	K5	4 And	16.5	-13 44	5.1	G5	94 Aqr d
47.0	+10 13	6.4	F0	Peg	56.9	+ 0 42	5.5	K1	2 Psc	5.5	+49 1	5.7	F5	5 And	16.6	+67 50	4.8	K0	34 ο Cep d
47.2	-33 4	6.3	F2	PsA	57.0	-13 20	6.3	K5	Aqr	5.6	-29 6	5.8	G9	Scl	16.7	+44 52	6.4	A2	And
47.3	+68 18	6.4	F4	Cep d	57.0	+52 23	6.3	K2	Lac	5.7	+63 22	6.3	B3	Cep	16.8	-18 21	6.1	K3	Aqr
47.6	+24 20	3.5	G8	48 μ Peg	57.1	+59 33	6.4	B9	Cep	5.9	+44 17	6.3	A0	And	16.8	- 5 24	5.6	F2	96 Aqr
47.7	+55 38	5.5	K1	Cep	57.4	-25 26	5.8	K0	PsA	5.9	+63 57	6.2	K0	Cep	17.0	-33 59	6.4	K2	Scl
47.7	+82 53	4.8	K3	Cep d	57.7	-25 54	6.4	K1	PsA	6.1	+ 1 51	5.5	G8	5 A Psc	17.0	+34 31	6.1	B5	And
47.9	+65 56	3.6	K1	32 ι Cep	57.9	-53 1	4.1	G5	ζ Gru	6.3	+75 7	4.5	G2	33 π Cep	17.2	+48 21	5.3	K0	11 And
48.0	+50 25	6.2	G4	Lac	58.0	+56 41	5.0	G0	Cas	6.8	-21 27	3.7	K0	88 σ^2 Aqr	17.3	+48 6	6.3	K2	And
48.1	+41 41	5.9	B3	14 Lac	58.1	- 0 5	6.4	G4	3 Psc	7.0	+ 8 24	5.2	M4	57 Peg d	17.5	+41 48	5.8	M0	10 And
48.2	-39 25	5.4	M0	Gru	58.2	+ 2 45	5.8	K4	Psc	7.0	-67 8	6.5	G5	Ind	17.8	+ 5 6	5.1	K2	7 b Psc
48.2	+18 53	6.4	K0	Peg	58.2	-51 13	5.7	K2	Gru	7.0	-28 22	6.1	K0	Scl	18.0	-50 34	6.2	A	Gru d
48.6	-29 48	6.0	G9	21 PsA	58.3	+30 49	6.3	A0	Peg d	7.2	-43 8	5.8	F6	Gru	18.1	- 6 11	6.3	G5	Aqr
48.6	-60 9	6.4	K0	Tuc	58.3	+45 6	6.4	A2	And	7.2	-14 47	6.2	A0	Aqr	18.2	+23 28	4.6	A5	62 τ Peg
48.9	-63 27	6.1	K0	Tuc	58.6	+38 26	6.5	B3	And	7.2	-22 44	4.7	G2	89 σ^3 Aqr	18.4	+43 51	6.1	A3	And d
49.4	+61 25	5.7	G8	Cep d	58.6	-29 7	5.7	K2	PsA	7.4	-40 52	6.0	M3	Gru	18.4	+30 9	5.6	M0	63 Peg
49.8	-33 8	4.5	A0	22 γ PsA d	58.7	-23 4	6.3	A2	Aqr	7.5	+ 9 33	5.3	B8	58 Peg	18.4	+61 56	6.4	K2	Cas
49.8	+43 3	5.0	M0	15 Lac	58.8	- 7 20	6.4	K5	81 Aqr	7.5	-45 31	3.9	K0	ι Gru	18.5	+37 55	5.7	F5	12 And
49.9	+ 9 34	5.2	F7	49 σ Peg	58.9	- 4 59	6.2	K0	Aqr	7.6	+59 4	5.8	A9	2 Cas	18.6	-27 16	5.6	K0	Scl
50.0	- 7 51	3.7	M2	73 λ Aqr	59.4	+56 50	6.4	K2	Cas	8.1	-29 48	6.5	F0	Scl	19.5	+31 32	5.3	B3	64 Peg
50.6	+16 35	5.6	K1	Peg	59.6	+42 3	3.6	B6	1 ο And	8.1	-81 11	6.4	K2	Oct	20.0	-15 19	5.2	A3	97 Aqr
50.7	-48 52	6.0	G3	τ^1 Gru	59.8	-36 41	6.5	G9	Gru	8.1	+43 17	6.0	F5	6 And	20.0	-60 20	6.1	M1	Tuc
50.7	+50 9	6.4	B9	Lac	59.9	- 8 51	6.5	M2	82 Aqr	8.2	+17 19	5.7	K4	Peg	20.2	+20 23	6.2	B9	65 Peg
50.8	-11 53	5.8	B9	74 Aqr	0.1	-21 8	6.2	G5	Aqr	9.2	+ 8 27	5.1	A2	59 Peg	20.3	+59 52	5.6	K5	Cas
50.9	+39 54	6.2	B6	Lac	0.2	+31 31	6.4	F0	Peg	9.4	+26 35	6.2	K0	60 Peg	20.3	-20 22	4.0	K0	98 b^1 Aqr
51.1	+59 50	6.1	K2	Cep	0.3	+42 29	5.0	A2	2 And	10.3	+49 8	4.5	F0	7 And	20.6	+12 2	5.1	K3	66 Peg
51.2	-70 20	6.0	G1	ρ Ind	0.4	+43 47	6.4	B2	And d	10.6	+29 10	6.2	K0	Peg	21.0	-43 24	6.1	K0	Gru
51.4	+44 29	5.6	A	Lac d	0.6	+54 58	6.4	B9	Cas d	10.9	+56 54	5.6	K3	Cas	21.1	-54 5	6.1	A5	Gru d
51.8	+40 7	5.8	K0	Lac	0.7	-35 1	5.1	F0	π PsA	10.9	+10 48	5.8	G5	Peg d	21.4	-87 45	5.5	K2	Oct
52.0	- 7 28	6.2	K3	78 Aqr	1.2	-41 45	5.8	K1	Gru	11.0	-62 58	6.1	G5	Tuc	21.4	-52 10	5.7	K5	Gru
52.0	-16 5	3.3	A3	76 δ Aqr	1.2	+58 18	6.3	G5	Cas	11.7	- 6 19	4.2	M2	90 φ Aqr	21.5	-18 58	6.3	G5	Aqr
52.1	-16 32	5.6	K2	77 Aqr	1.3	+60 10	6.5	B3	Cep d	11.9	+29 30	6.4	F5	And	22.2	+40 50	6.4	A0	And
52.1	+16 41	6.3	M	Peg	1.3	+ 3 33	4.5	B5	4 β Psc	11.9	+50 21	6.2	A0	And	22.4	+32 7	5.4	B9	67 Peg
52.4	+85 6	6.0	K5	Cep	1.3	+27 49	var	M2	53 β Peg	12.1	-10 58	6.4	K5	Aqr	22.5	-57 7	5.6	K2	Tuc
52.4	+ 0 48	6.0	A3	1 Psc	1.5	+ 6 21	6.2	F2	Psc	12.1	+23 50	6.3	K1	Peg	22.6	+62 0	5.1	M1	4 Cas
52.4	-36 39	6.4	K0	Gru	1.6	-69 5	5.5	F2	Ind	12.2	-41 23	5.8	K2	Gru	22.9	+23 8	4.5	F8	68 υ Peg
52.6	- 5 15	5.9	G7	Aqr	1.6	+66 56	5.4	K3	Cep	12.8	+73 58	5.8	A0	Cep	23.4	-20 55	4.4	K5	99 b^2 Aqr
52.7	+ 8 33	4.9	A1	50 ρ Peg	1.7	-54 14	5.3	K5	ϰ Gru	13.0	- 3 46	5.5	A2	Aqr	23.8	-53 0	5.5	F3	ο Gru
52.7	+36 49	5.9	F3	Lac	1.9	+49 47	4.8	K0	3 And	13.3	- 9 22	4.2	K0	91 ϕ^1 Aqr d	24.2	-66 51	6.4	K0	Tuc
53.1	-31 54	6.1	K0	PsA	2.3	+14 56	2.5	B9	54 Peg	13.3	+27 58	6.3	K3	61 Peg	24.4	+ 0 59	5.0	A	8 ϰ Psc
53.2	-32 48	4.2	G8	23 δ PsA	2.6	- 7 58	5.4	F2	83 h Aqr	13.7	+70 37	5.6	A3	Cep	24.4	-50 26	6.2	B9	Phe
53.4	+36 5	5.6	B7	Lac	2.6	-17 21	6.3	K0	Aqr	13.9	-44 46	5.9	K0	Gru d	24.4	-58 45	5.6	G8	Tuc
53.6	-31 50	6.5	K5	PsA	2.6	+16 18	6.4	G8	Peg	14.0	-62 16	5.6	F8	Tuc	24.7	+ 0 51	6.3	G7	9 Psc
53.9	-48 14	5.9	A	τ^3 Gru	2.7	+ 1 2	6.2	G9	Psc	14.1	-41 28	6.5	K0	Gru	24.7	+42 38	5.6	B9	13 And
54.1	+41 20	5.6	B2	16 Lac	3.8	+18 15	6.1	F4	Peg	14.3	- 8 0	5.0	M5	92 χ Aqr	25.1	+70 5	5.5	A2	Cep
54.2	+49 28	5.0	K5	Lac	4.0	-24 1	4.5	G9	86 σ^1 Aqr	14.3	+61 41	6.5	B8	Cas	25.2	+24 54	5.8	A0	69 Peg
54.4	+11 35	6.4	A3	Peg d	4.0	+19 38	6.3	G0	Peg	14.4	+52 57	5.6	F7	And	25.3	-35 49	6.3	K2	Scl

23^h α	δ	mag	sp	const
25.4	+ 6° 6'	4.3	K1	10 ϑ Psc
25.5	−11 44	6.5	G0	Aqr
26.1	−63 27	5.7	A0	Tuc
26.3	−44 46	6.4	K1	Phe
26.4	− 9 32	6.2	K0	Aqr
26.6	+22 46	6.3	G9	Peg
26.6	+12 29	4.5	G8	70 Peg
26.9	− 4 48	6.2	K3	Aqr
27.6	+87 2	5.5	F0	Cep
27.7	+58 16	4.8	B3	AR Cas v
27.7	+48 51	6.1	K5	And
28.2	+38 23	6.0	K0	And
28.4	− 6 36	6.4	K0	Aqr
28.7	−45 7	6.0	K0	Phe
28.8	+38 58	5.2	G8	14 And
28.9	− 4 22	6.5	G0	Aqr
29.1	−21 39	6.2	A7	100 Aqr
29.2	+28 8	6.2	A0	Peg
29.4	− 1 22	6.5	K1	13 Psc
30.1	−77 40	5.8	K0	Oct
30.3	−38 6	4.4	A	β Scl
30.7	−21 11	4.7	A1	101 b³ Aqr
31.0	+22 13	5.3	M5	71 Peg
31.3	+44 47	6.2	G5	And
31.4	+20 34	6.1	M3	Peg
31.5	+31 3	5.0	K4	72 Peg
31.6	− 1 31	6.0	A3	14 Psc
32.2	+33 13	5.6	K0	73 Peg
32.2	+39 58	5.6	A2	15 And
32.2	−15 31	6.2	K0	Aqr
32.3	+37 45	6.2	K5	And
32.4	−42 54	4.7	A	ι Phe
32.8	+71 22	5.8	K0	Cep
33.8	+ 1 49	5.6	F0	16 Psc
34.0	+32 38	6.2	F5	Peg
35.1	−13 20	5.7	G6	Aqr d
35.1	+44 9	5.8	B9	And
35.1	+46 11	3.9	G8	16 λ And
35.1	+16 33	6.1	A2	74 Peg
35.2	−45 46	4.7	A2	Phe
35.3	−77 9	6.0	K0	Oct
35.4	+18 7	5.5	A1	75 Peg
35.7	+42 59	4.3	B8	17 And
36.7	+50 12	5.3	B9	18 And
36.8	−46 55	6.3	A3	Phe d
37.0	+75 1	6.0	A2	Cep
37.2	+73 44	6.0	G5	Cep
37.2	−14 30	5.0	A5	102 Aqr
37.3	+77 21	3.2	K1	35 γ Cep
37.4	+ 9 24	6.0	A2	Peg
37.4	+ 5 21	4.1	F7	17 ι Psc
37.6	+37 23	6.2	F0	And d
37.9	+44 3	4.1	B8	19 ϰ And
38.0	−32 21	5.3	K0	μ Scl
38.2	+36 27	6.2	F5	And
38.6	−11 57	5.9	G9	Aqr
39.0	−18 18	5.6	K5	103 A¹ Aqr
39.0	+49 14	6.3	A3	And
39.2	−18 6	4.8	G0	104 A² Aqr
39.4	+ 6 58	5.9	A0	Psc

23^h α	δ	mag	sp	const
39.5	+56° 59'	6.2	G8	Cas
39.5	+ 1 30	4.5	A7	18 λ Psc
39.9	−15 44	5.3	K4	Aqr
40.1	−14 49	4.5	B9	105 ω² Aqr
40.8	+10 3	5.2	M2	77 Peg
41.2	−15 34	var	M7	R Aqr
41.3	−45 22	6.1	G8	Phe
41.5	−64 41	5.7	K3	Tuc
41.5	+29 5	4.8	K0	78 Peg
41.6	−70 46	6.1	G5	Tuc
41.6	−18 33	5.2	B8	106 i¹ Aqr
41.7	−79 4	5.7	K1	Oct
41.9	−26 31	6.3	F5	Scl d
42.4	+55 31	6.5	G4	Cas
43.4	−40 28	6.3	A2	Phe
43.4	−18 57	5.4	A5	107 i² Aqr d
43.5	+46 9	5.0	G5	20 ψ And
43.8	+ 3 13	var	N0	19 TX Psc
44.2	+66 30	5.9	B3	Cep
44.6	+57 10	5.6	K3	Cas
44.6	+58 22	4.9	K1	5 τ Cas
44.6	−50 30	5.2	B5	σ Phe
44.7	−12 11	5.9	K1	Aqr
45.1	+46 33	5.8	B3	And
45.4	− 3 2	5.5	G8	20 Psc
45.5	+67 32	5.0	A0	Cep
46.0	− 6 39	6.1	K4	Aqr
46.2	+64 36	6.3	A0	Cas d
46.3	+ 1 56	6.4	F2	Psc
46.3	−28 24	4.6	A0	δ Scl
46.4	+61 56	5.4	A3	6 Cas
46.4	+59 42	6.3	A0	Cas
46.7	+58 41	6.4	F3	Cas
46.9	+ 0 48	5.7	A2	21 Psc
46.9	−16 8	6.4	K0	Aqr
47.1	−63 7	6.5	K0	Tuc
47.1	+28 34	6.0	A3	79 Peg
47.2	+36 9	5.8	G0	And
47.2	−25 37	6.4	A3	Scl d
47.7	−10 15	6.1	K0	Aqr
48.0	−14 41	5.9	K5	Aqr
48.8	−19 11	5.2	A	108 i³ Aqr
48.8	+ 9 2	6.0	M3	80 Peg
49.2	−82 18	5.1	G7	γ¹ Oct
49.4	+ 2 39	5.7	K4	22 Psc
49.5	+77 19	6.4	F5	Cep
49.8	+21 24	6.1	M2	Peg
49.9	−14 32	6.0	K3	Aqr
49.9	+18 51	5.0	M2	81 φ Peg
50.1	+10 40	5.3	A3	82 Peg
50.3	− 9 16	5.7	K0	Aqr
50.4	− 3 26	6.1	G9	24 Psc
50.5	+ 1 49	6.2	A0	25 Psc
50.8	−24 30	6.2	A3	Aqr
51.8	−27 19	6.3	A	Scl d
51.9	+57 13	var	F8	7 ρ Cas
52.0	−40 35	6.0	F8	Phe
52.2	− 0 10	6.0	M5	Psc
52.6	+ 6 48	6.1	A1	26 Psc
52.7	−32 12	5.6	B5	Scl v

23^h α	δ	mag	sp	const
53.0	+47° 5'	6.0	G8	And
53.0	+57 8	6.0	B0	Cas
53.9	−25 1	6.3	G5	Scl
54.1	+82 55	6.4	A2	Cep
54.1	+22 22	6.3	M2	Peg
54.5	+42 23	6.0	F5	And
54.6	−26 54	6.4	K0	Scl
54.6	+55 26	5.6	F3	Cas
54.7	−63 14	6.0	A2	Tuc
54.9	−82 27	5.7	G9	γ² Oct
55.0	−64 35	5.0	A2	η Tuc
55.0	+59 45	6.4	B8	Cas
55.2	+24 52	4.7	M3	84 ψ Peg
55.8	−16 8	6.4	G8	1 Cet
55.9	+51 7	var	M7	R Cas d
56.1	− 3 50	4.8	G9	27 Psc
56.2	+46 8	6.5	B3	And
56.3	+32 6	6.5	B5	And
56.3	−53 2	5.1	K1	π Phe
56.5	+55 29	5.0	B1	8 σ Cas d
56.7	+ 6° 35'	4.0	F4	28 ω Psc
56.9	−29 46	5.7	K5	Scl
56.9	+33 27	5.8	G0	And d
57.3	−65 51	4.5	B7	ε Tuc
57.7	−44 34	6.3	G3	Phe
57.8	+26 38	6.3	F5	Peg
58.0	+59 17	6.2	K0	Cas
58.2	+44 58	6.4	A	And
58.5	−49 5	5.7	G8	τ Phe
58.8	+49 42	6.2	G7	Cas
58.8	−50 37	5.4	M0	Phe
59.1	+60 57	5.6	F0	Cas
59.1	−77 20	4.8	K2	ϑ Oct
59.2	+42 5	6.1	B9	And
59.3	− 3 18	5.1	B8	29 Psc
59.4	− 6 18	4.4	M3	30 Psc
59.6	+26 49	5.8	G3	85 Peg
59.8	−30 0	5.0	B4	ζ Scl
59.8	+ 8 41	6.3	A5	31 Psc
59.9	+ 8 12	5.6	F0	32 c Psc

СПИСОК ПЕРЕМЕННЫХ ЗВЕЗД

α	δ	max min	period	typ	const
$0^h12.^m9$	−32° 19'	6.1-13.4	366^d	M	S Scl
19.2	−20 20	5.2- 6.0	166	S	T Cet
21.4	+38 18	6.1-14.9	410	M	R And
25.4	+17 37	4.6- 5.2	49.1	S	TV Psc
42.3	+74 43	5.7- 6.1	4.467	E	YZ Cas
0 53.8	+60 27	1.6- 3.0	-	I	γ Cas
1 6.3	−55 31	4.0- 4.5	1.673	E	ζ' Phe
24.7	−32 48	6.1-13.6	363	M	R Scl
53.1	+23 20	5.6- 6.0	47.9	E	RR Ari
2 16.8	− 3 12	2.0-10.0	332	M	ο Cet
2 34.0	+34 2	5.7-12.6	266	M	R Tri
44.4	+69 26	6.3- 7.6	1.195	E	RZ Cas
45.5	−12 40	6.4- 7.8	80	S	Z Eri
47.5	+68 41	6.0- 6.5	1.949	C	SU Cas
52.3	−50 6	4.7-14.3	402	M	R Hor
3 2.0	+38 39	3.3- 4.0	-	I	ρ Per
4.9	+40 46	2.2- 3.5	2.867	E	β Per
46.2	+23 59	4.9- 5.5	-	I	BU Tau
52.3	+30 54	6.0- 6.6	-	I	X Per
57.9	+12 21	3.7- 4.1	3.953	E	λ Tau
4 36.2	−62 11	5.5- 6.5	338	S	R Dor
44.8	−49 20	6.5-10.0	167	M	R Pic
57.3	−14 53	5.5-10.7	433	M	R Lep
58.4	+43 45	3.3- 4.1	9898	E	ε Aur
59.0	+41 0	3.5- 4.2	972	E	ζ Aur
5 2.8	+ 1 7	5.9- 7.7	200	S	W Ori
13.0	+34 15	5.4- 6.1	-	I	AE Aur
13.3	+53 32	6.5-13.7	458	M	R Aur
15.0	+33 43	5.8- 6.5	4.135	E	AR Aur
29.3	+18 34	4.8- 5.2	165	S	CE Tau

СПИСОК ПЕРЕМЕННЫХ ЗВЕЗД

α	δ	max	min	period	typ	const
h m	° ′			d		
5 31.0	- 1 11	5.3-	5.7	1.485	E	VV Ori
33.2	-62 31	4.2-	5.7	9.842	C	β Dor
42.7	+20 40	6.5-	8.9	240	S	Y Tau
52.5	+ 7 24	0.4-	1.3	-	S	α Ori
52.9	+20 10	5.3-	12.6	372	M	U Ori
6 3.7	-24 11	6.0-	8.0	90	S	S Lep
9.3	+22 55	6.1-	7.5	-	I	BU Gem
11.9	+22 31	3.3-	3.9	233	S	η Gem
20.2	- 2 10	6.0-	13.7	334	M	V Mon
21.0	+49 19	5.2-	5.8	-	I	ψ^1 Aur
6 22.2	+56 19	5.6-	6.0	9.945	E	RR Lyr
22.5	+ 7 7	5.8-	6.8	27.020	C	T Mon
22.6	+14 45	6.3-	6.9	-	I	BL Ori
25.4	+30 32	5.4-	6.6	3.728	C	RT Aur
29.2	+32 30	5.6-	6.3	2.525	E	WW Aur
6 33.1	+38 29	5.1-	6.8	235	S	UU Aur
7 1.1	+20 39	3.7-	4.2	10.151	C	ζ Gem
4.3	+22 47	6.0-	14.0	370	M	R Gem
12.0	-44 33	3.1-	6.3	141	S	L Pup
17.2	-16 18	6.0-	6.6	1.136	E	R CMa
7 20.7	+82 31	4.8-	5.2	24	S	VZ Cam
28.4	- 9 40	5.8-	7.8	92	S	U Mon
56.8	-49 7	4.6-	5.2	1.454	E	V Pup
8 10.4	-46 30	5.5-	6.1	4.227	C	AH Vel
13.8	+11 53	6.1-	11.8	362	M	R Cnc
8 52.6	+17 25	5.9-	7.5	170	S	X Cnc
9 7.6	+31 10	5.5-	6.5	120	S	RS Cnc
30.9	-28 24	6.4-	6.8	0.648	E	S Ant
31.0	-62 34	4.0-	10.0	309	M	R Car
42.6	+34 45	6.0-	13.2	372	M	R LMi
9 43.9	-62 17	4.2-	5.2	35.541	C	l Car
44.9	+11 40	5.4-	10.5	313	M	R Leo
10 7.8	-61 18	5.4-	9.5	150	M	S Car
33.0	-39 18	5.7-	6.8	363	S	U Ant
35.1	-13 7	4.8-	5.8	-	I	U Hya
10 41.6	+67 40	5.9-	6.5	-	I	VY UMa
43.1	-59 25	1 -	8	-	I	η Car
55.8	-59 28	6.3-	7.5	38.756	C	U Car
12 10.1	-69 52	6.2-	7.0	9.659	C	S Mus
32.0	-67 29	6.0-	6.7	-	I	BO Mus
12 34.1	+59 46	6.4-	13.5	257	M	T UMa
36.0	+ 7 16	6.2-	12.0	146	M	R Vir
39.0	-69 8	6.0-	7.2	7.510	C	R Mus
42.8	+45 43	5.2-	6.6	158	S	Y CVn
51.4	-58 10	6.4-	7.1	4.690	C	S Cru
13 27.0	-23 1	3.5-	10.0	387	M	R Hya
30.4	- 6 56	6.0-	13.0	377	M	S Vir
38.9	-33 21	5.5-	9.0	90.6	S	T Cen
14 0.4	-76 33	5.5-	6.7	119	S	ϑ Aps
12.9	-59 41	5.5-	12.0	548	M	R Cen
14 28.9	-56 40	6.3-	7.3	5.494	C	V Cen
35.0	+26 57	5.9-	13.1	223	M	R Boo
41.2	+26 44	4.9-	5.3	-	?	W Boo
58.3	- 8 19	4.8-	5.9	2.327	E	δ Lib
15 2.1	+47 51	6.5-	7.1	0.268	E	44 i Boo
15 32.3	-49 20	6.4-	12.9	490	M	R Nor
40.2	-54 50	6.2-	13.4	243	M	T Nor
46.5	+28 19	5.8-	14.0	-	I	R CrB
48.4	+15 17	5.7-	14.0	357	M	R Ser
56.7	-63 38	6.1-	7.3	6.323	C	S TrA
16 1.1	+47 23	6.3-	7.4	95	S	X Her
14.9	-57 46	6.2-	7.2	9.755	C	S Nor
16.4	+59 53	5.8-	6.5	-	I	AT Dra
23.6	+19 0	6.2-	13.3	406	M	U Her
24.1	-18 21	4.4-	5.0	-	N	χ Oph
16 26.3	-26 19	0.9-	1.8	1733	S	α Sco
27.0	+41 59	4.4-	5.6	-	I	30 g Her
52.0	-45 1	6.0-	12.7	320	M	RS Sco
53.4	-30 30	5.0-	12.2	280	M	RR Sco
17 12.4	+14 27	3.0-	4.0	-	S	α Her
17 14.0	+ 1 16	5.9-	6.6	1.677	E	U Oph
15.5	+33 9	4.6-	5.3	2.051	E	68 u Her
15.9	+60 43	6.0-	6.5	170	S	VW Dra
44.4	-27 49	4.3-	5.3	7.012	C	X Sgr
50.0	- 6 8	6.2-	7.0	17.123	C	Y Oph
18 1.8	-29 35	4.4-	5.7	7.595	C	W Sgr
14.3	-34 8	6.1-	7.0	2.416	E	RS Sgr
18.4	-18 53	5.3-	6.4	5.773	C	Y Sgr
28.9	-19 10	6.5-	7.3	6.745	C	U Sgr
36.0	+ 8 47	5.9-	9.2	335	M	X Oph
18 36.5	+39 37	6.0-	6.6	-	I	XY Lyr
44.8	- 5 46	5.3-	7.8	144	S	R Sct
48.2	+33 18	3.4-	4.3	12.908	E	β Lyr
51.8	-67 18	3.9-	4.8	9.065	C	ϰ Pav
53.8	+43 53	4.0-	5.0	46	S	R Lyr
18 56.0	+17 18	5.0-	5.5	4.471	C	FF Aql
19 4.0	+ 8 9	5.7-	12.0	293	M	R Aql
13.3	-33 37	6.0-	14.0	-	I	RY Sgr
16.6	+19 31	6.4-	9.0	3.381	E	U Sge
26.7	- 7 9	6.0-	7.2	7.024	C	U Aql
19 28.7	+46 3	6.5-	8.5	94	S	AF Cyg
31.3	+ 5 21	6.3-	6.9	64	S	V 450 Aql
35.5	+50 5	6.5-	14.0	426	M	R Cyg
42.2	+48 39	6.4-	12.7	190	M	RT Cyg
42.8	+29 9	6.4-	7.1	3.846	C	SU Cyg
19 48.6	+32 47	3.3-	14.0	407	M	χ Cyg
49.9	+ 0 53	3.7-	4.4	7.177	C	η Aql
50.3	-14 44	6.4-	7.6	1.183	E	V 505 Sgr
53.7	+16 30	5.2-	6.4	8.382	C	S Sge
55.3	-41 59	6.0-	13.8	240	M	RU Sgr
20 35.6	+18 6	6.0-	6.9	60	S	EU Del
41.4	+35 24	6.2-	8.0	16.386	C	X Cyg
43.2	+17 54	6.0-	7.5	-	I	U Del
49.3	+28 4	5.2-	6.3	4.436	C	T Vul
21 4.4	+30 59	5.3-	5.7	2.499	C	DT Cyg
21 8.9	+68 17	5.4-	11.0	388	M	T Cep
16.5	-45 14	6.2-	7.9	320	S	T Ind
19.8	-69 57	5.7-	8.2	233	S	Y Pav
34.1	+45 9	5.1-	7.6	131	S	W Cyg
39.9	+35 17	6.0-	7.0	-	I	V 460 Cyg
21 42.0	+58 33	3.6-	5.0	-	S	μ Cep
55.2	+63 23	4.9-	5.7	743	E	VV Cep
22 6.7	+45 30	6.3-	7.3	1.983	E	AR Lac
27.3	+58 10	3.7-	4.4	5.366	C	δ Cep
23 1.3	+27 49	2.1-	3.0	-	I	β Peg
23 41.2	-15 34	5.8-	10.8	387	M	R Aqr
43.8	+ 3 13	5.3-	6.3	-	I	TX Psc
51.9	+57 13	4.1-	6.2	-	I	ρ Cas
55.9	+51 7	4.8-	13.0	431	M	R Cas

СПИСОК ДВОЙНЫХ ЗВЕЗД

α	δ	Σ	mag	dist	const
h m	° ′			″	
0 0.0	+65 49	5.9	6.2- 7.5	15.2	Cas
2.0	+41 49	6.0	6.1- 8.7	5.3	And
2.6	+44 57	6.5	6.5- 9.4	21.0	And
3.6	+58 9	5.9	6.5- 7.4	1.0 o	Cas
6.8	-28 16	5.4	6.1- 6.2	1.4	$\varkappa^1$ Scl
0 7.5	+10 52	5.5	5.5-10.0	7.7	34 Psc
10.8	+26 43	6.2	6.3- 9.1	17.9	And
12.4	+ 8 33	5.9	6.1- 8.0	11.5	35 Psc
13.7	+43 19	6.0	6.1- 9.0	9.0	And
16.1	+43 31	6.1	6.1- 9.7	6.2	26 And
0 18.1	+32 38	5.8	6.5- 7.0	1.6 o	And
19.8	+13 12	6.2	6.3-10.3	28.5	42 Psc
29.3	-63 14	3.7	4.5- 4.8	27.1	β Tuc
29.8	+ 6 41	5.6	5.7- 9.5	27.7	51 Psc
30.2	+28 0	6.3	6.5-10.3	8.6	And
0 34.2	+33 27	4.4	4.5- 8.8	36.0	29 π And
36.4	+49 5	5.6	5.6-10.0	13.3	Cas
37.3	+21 10	5.4	5.5- 8.3	6.6	55 Psc
39.5	-56 47	5.7	5.8-10.0	13.1	ξ Phe
42.3	+74 43	var	6 - 9.7	36.1	YZ Cas
0 42.4	-62 46	6.2	6.3- 8.2	2.4	Tuc
43.2	-16 42	6.5	6.5- 9.5	2.4	Cet
46.1	+57 33	3.4	3.6- 7.2	10.6 o	η Cas
47.2	+27 26	5.5	6.3- 6.3	4.4	i_1 Psc
50.5	-69 47	6.2	6.6- 7.4	20.8	λ^1 Tuc
0 50.8	-25 3	6.4	6.5- 9.0	5.5	Cet
50.9	+52 25	6.2	6.3- 9.3	8.1	Cas
57.2	+44 27	5.6	6.0- 6.8	7.9	And
1 1.2	+ 1 6	6.0	6.1- 8.3	16.5	26 Cet
3.0	+21 12	4.9	5.6- 5.8	29.8	74 ψ^1 Psc
1 3.3	+ 4 39	6.4	6.8- 7.6	33.0	77 Psc
3.9	-46 59	3.3	4.1- 4.1	1.4 o	β Phe
4.2	+53 14	6.4	6.6-10.0	22.0	Cas
6.3	-55 31	3.9	4.0- 8.2	6.2	ζ Phe
10.1	+31 49	6.2	6.6- 7.6	19.5	Psc
1 10.2	+29 48	6.2	6.2-10.0	10.8	Psc
11.0	+24 19	4.5	4.6-10.0	7.7	85 φ Psc
11.1	+ 7 19	5.2	5.6- 6.5	23.2	86 ζ Psc
11.9	- 8 11	4.7	5.0- 6.2	49.4	37 Cet
14.1	-69 8	4.8	5.0- 7.2	5.2	ϰ Tuc
1 15.1	-66 40	6.2	6.4- 9.4	2.6	Tuc
15.9	+37 7	6.3	6.4- 9.5	6.0	And
17.2	- 0 46	6.0	6.4- 7.3	1.6	42 Cet
20.1	-19 20	6.4	6.6- 8.9	5.2	Cet
20.2	+57 53	6.4	7.1- 7.3	1.0	Cas
1 22.4	+67 52	4.8	4.9- 9.0	22.5	36 ψ Cas
24.3	+ 3 17	6.5	6.6- 8.6	6.0	Psc
33.8	-30 10	5.7	6.0- 7.2	1.8	τ Scl
37.9	-56 27	5.3	6.0- 6.0	10.3	6 p Eri
38.5	+25 30	6.2	6.2-10.0	10.8	Psc
1 39.0	+58 23	6.2	6.2- 8.9	19.8	Cas
39.3	-11 34	5.8	6.2- 7.3	2.2	Cet
43.3	-25 18	5.3	5.3- 9.3	4.7	ε Scl
46.1	+47 39	5.9	6.0- 9.3	20.7	Per 1)
47.4	+22 2	5.9	6.2- 7.4	2.8	1 Ari
1 48.8	+89 1	2.0	2.1- 8.9	18.4	1 α UMi
50.8	+19 3	4.0	4.7- 4.8	7.9	5 γ Ari
53.3	+ 1 36	6.0	6.7- 6.8	1.4 o	Cet
55.1	+23 21	4.8	4.9- 7.5	37.2	9 λ Ari
55.9	+64 23	5.1	5.2- 9.5	39.5	Cas

1) еще 7.0 1″8

СПИСОК ДВОЙНЫХ ЗВЕЗД

α	δ	Σ	mag	dis	const
h m	° ′			″	
1 58.7	+73 37	6.2	6.2- 9.0	5.5	Cas
59.5	+ 2 31	3.9	4.3- 5.2	2.0	α Psc
2 0.8	+42 5	2.2	2.3- 5.1	10.0	57 γ And
7.8	+38 48	5.6	6.0- 6.7	16.6	59 And
9.5	+30 4	5.1	5.4- 6.8	3.8	6 Tri
2 10.2	- 2 38	5.5	5.7- 7.5	16.4	66 Cet
14.5	+28 31	6.3	6.6- 7.4	14.0	Tri
18.3	-56 10	5.6	5.6- 9.5	34.2	Hor
23.6	-15 34	5.8	5.9- 8.5	12.3	Cet
24.9	+67 11	4.5	4.6- 7.0	2.4	ι Cas 1)
2 31.7	-28 27	4.9	5.0- 8.7	10.8	ω For
33.2	+ 5 23	4.9	4.9- 9.5	7.8	78 ν Cet
34.1	+24 26	6.2	6.6- 7.3	38.2	30 Ari
37.8	+26 51	5.3	5.4- 8.5	28.8	33 Ari
38.7	- 0 54	5.7	5.8- 9.2	4.3	84 Cet
2 40.7	+ 3 2	3.5	3.6- 6.2	2.9	86 γ Cet
40.8	+49 1	4.1	4.1-10.0	18.2	13 ϑ Per
41.	-40 44	6.4	7.0- 7.1	1.9	Eri
46.5	+17 15	5.2	5.3- 8.3	3.2	42 π Ari
47.0	+55 41	3.8	3.9- 8.5	28.2	15 η Per
2 49.3	+52 48	6.4	7.1- 7.3	1.6	Per
50.0	+48 21	6.4	6.4-10.5	6.7	Per
50.5	+38 8	5.2	5.3- 9.5	14.0	20 Per
56.3	+21 8	4.6	5.2- 5.5	1.5 o	48 ε Ari
56.4	-40 30	3.1	3.4- 4.4	8.5	ϑ Eri
2 57.3	+52 9	5.1	5.4- 6.8	12.1	Per
59.4	+79 13	5.5	5.5- 9.0	4.8	Cep
3 9.2	-79 11	5.6	5.7- 7.8	14.8	Hyi
10.7	-44 36	5.9	6.4- 7.0	3.5 o	Eri
13.9	+40 18	6.4	6.8- 7.7	3.6	Per
3 16.4	-18 44	5.7	5.8- 8.2	6.8	Eri
21.4	+33 22	5.6	5.7- 9.5	3.7	Per
26.1	+59 12	6.0	6.4- 7.4	2.7	Cam
26.2	+55 17	5.1	5.2- 9.7	14.8	Cam
28.3	+27 24	5.9	6.5- 6.9	11.4	Tau
3 29.5	+58 36	6.2	6.4- 8.0	20.4	Cam
31.5	+24 18	5.9	5.9- 9.7	22.4	7 Tau
34.2	+ 0 26	6.0	6.1- 8.5	6.5	Tau
39.2	+33 48	5.0	5.0- 9.5	20.0	40 o Per
42.3	-40 49	6.4	6.5- 9.5	5.2	Eri
3 43.3	-54 26	6.3	6.3- 9.3	5.3	Ret
44.7	+33 27	6.5	6.6- 9.0	3.5	Per
45.5	+10 59	5.5	5.5- 9.3	9.2	30 e Tau
46.7	-37 46	4.4	4.9- 5.4	7.8	f Eri
50.2	- 5 31	5.5	5.5-10.5	8.2	30 Eri
3 51.0	+31 44	2.8	2.9- 9.5	12.8	41 ζ Per
51.8	- 3 6	4.7	5.0- 6.3	6.8	32 w Eri
54.5	+39 52	2.9	3.0- 8.3	9.0	45 ε Per
4 3.4	+62 12	6.3	7.0- 7.1	17.9	Cam
4.9	+15 2	6.0	6.1- 8.8	3.8	Tau
4 5.1	+17 12	5.9	6.0- 9.0	4.4	Tau
12.0	-10 23	4.9	5.0- 8.0	6.4	39A Eri
17.1	-63 23	6.2	6.4- 8.2	3.9	Ret
17.2	-34 1	6.4	6.5- 8.5	6.0	Eri
18.7	+59 30	6.1	6.2- 9.3	32.5	Cam
4 19.5	+25 31	5.4	5.5- 7.8	19.4	59 χ Tau
21.0	+24 11	6.1	6.2- 8.0	29.0	62 Tau
21.4	+33 51	5.7	5.8- 8.8	4.2	56 Per
23.2	-57 11	6.3	6.8- 7.1	9.9	Dor
25.7	+30 15	6.2	6.4- 8.0	14.4	Tau

1) еще 8.2 8″.3

α	δ	Σ	mag	dist	const
h m	° ′			″	
4 27.3	+15 32	5.6	5.7- 7.9	1.6 o	80 Tau
28.0	+39 54	6.2	6.8- 7.0	9.0	Per
28.1	+53 48	5.4	5.9- 6.6	10.3	1 Cam
29.1	-13 45	6.2	6.2- 9.5	29.8	Eri
30.7	+17 55	6.2	7.0- 7.1	3.1	Tau
4 32.8	- 9 50	6.3	6.9- 7.9	12.0	Eri
33.0	-62 56	5.9	5.9- 8.4	32.0	Ret
35.4	+26 51	6.4	7.2- 7.2	4.0	Tau
39.5	-59 2	6.5	7.1- 7.2	2.5 o	Dor
41.2	- 8 53	6.0	6.7- 6.8	9.3	55 Eri
4 48.6	-41 24	6.1	6.1- 9.3	14.6	Cae
49.8	-53 33	5.2	5.6- 6.4	12.3	ι Pic
55.9	+37 49	4.9	5.0- 8.0	5.6	4 Aur
56.2	+14 28	5.9	6.1- 8.0	39.5	Ori
56.9	+39 19	5.9	6.0- 9.7	3.2	5 Aur
4 57.9	+ 3 33	6.0	6.6- 7.0	21.3	Ori
59.4	+ 1 32	6.1	6.4- 7.4	14.2	Ori
5 2.6	-35 33	4.5	4.6- 8.5	2.9	γ Cae
5.1	+24 12	5.4	5.5- 8.5	35.3	103 Tau
5.9	- 8 44	5.8	5.9- 8.0	21.0	Eri
5 6.6	+27 58	6.0	6.0- 8.2	11.8	Tau
6.9	+37 14	6.2	6.9- 7.0	1.7	Aur
9.2	+ 0 59	6.0	6.3- 7.6	1.7	Ori
10.0	-11 56	4.5	4.5-10.0	12.8	3 Lep
10.7	+ 2 48	4.5	4.7- 8.3	7.0	17 ρ Ori
5 12.1	+32 38	5.1	5.2- 7.5	14.5	14 Aur
12.1	- 8 15	0.1	0.1- 6.8	9.5	19 β Ori
13.0	+34 15	var	5 - 8.7	8.4	AE Aur
14.5	+79 11	5.0	5.0- 9.0	16.0	Cam
16.3	+20 5	6.1	6.2-10.2	9.0	Tau
5 16.9	+46 55	6.4	6.5- 8.3	23.2	Aur
17.1	-18 34	5.5	6.2- 6.4	39.5	Lep
18.3	-21 17	4.7	4.8- 9.5	4.3 o	Lep
19.7	-24 49	5.4	5.7- 6.8	3.1	Lep
20.2	+ 3 30	5.0	5.1- 7.1	31.9	23 m Ori
5 20.9	- 8 28	6.0	6.2- 8.2	6.0	Ori
21.3	- 0 55	6.1	6.6- 7.1	2.5	Ori
21.9	+34 49	6.3	6.5- 8.0	31.1	Aur
22.0	- 2 26	3.4	3.7- 5.0	1.5 o	28 η Ori
23.6	-52 22	6.3	6.9- 7.3	38.3	ϑ Pic
5 23.8	-19 44	5.6	5.9- 7.6	27.0	Lep
26.2	+25 7	5.4	5.9- 6.6	4.8	118 Tau
27.3	-68 40	6.0	6.6- 6.9	1.1	Dor
28.6	+ 3 15	5.4	5.9- 7.3	1.9	33 n¹ Ori
29.3	+17 1	5.4	6.0- 6.5	9.6	Tau
5 29.5	- 0 20	2.2	2.5- 6.8	52.8	34 δ Ori
32.4	+ 9 54	3.5	3.7- 5.6	4.4	39 λ Ori
32.6	- 6 2	4.4	4.8- 5.7	36.2	Ori
32.8	- 5 25	4.7	5.2- 6.7	13.6	41 ϑ¹ Ori 1)
32.9	- 5 27	5.1	5.4- 6.0	52.6	43 ϑ² Ori
5 33.0	- 5 56	2.8	2.9- 7.0	11.4	44 Ori
33.0	- 4 24	6.3	6.4- 8.4	4.1	Ori
34.0	+26 54	5.7	6.4- 6.5	1.1	Tau
34.2	- 6 6	5.7	5.7- 9.0	5.3	Ori
35.4	+30 28	5.4	5.5- 8.5	12.4	26 Aur
5 36.2	- 2 38	3.7	3.8- 7.0	13.0	48 σ Ori 2)
38.2	+29 28	6.4	6.9- 7.4	26.0	Aur
38.2	- 1 58	1.9	2.1- 4.2	2.4	50 ζ Ori
42.4	+ 3 59	6.1	6.2- 9.0	17.0	Ori
43.6	- 4 17	6.3	6.5- 8.8	7.0	Ori

1) еще 6.8 8″.9 }
1) еще 7.9 21.7 } Трапеция
2) " 6.5 41.5

α	δ	Σ	mag	dist	const
h m	°			″	
5 44.4	+62 48	6.1	6.5- 7.4	1.1	Cam
45.3	+ 6 26	5.3	6.1- 6.1	1.4	52 Ori
46.3	+56 54	6.4	6.5- 9.5	25.0	29 Cam
47.3	-14 30	5.5	5.6- 9.0	2.8	Lep
53.2	+13 56	6.3	6.5- 6.7	30.0	Ori
5 55.8	+ 1 50	6.0	6.1- 9.7	36.3	59 Ori
56.7	+44 35	6.3	6.4- 8.9	34.0	Aur
6 0.5	+51 35	6.3	6.3- 8.6	39.2	Aur
3.2	-45 5	5.9	5.9- 9.0	4.7	Pup
3.5	-48 27	6.5	7.0- 7.4	2.2	Pup
6 6.4	+ 2 31	5.6	5.9- 7.0	29.2	Ori
7.8	+48 43	5.6	6.3- 6.8	7.7	41 Aur
12.3	+36 10	6.4	6.9- 7.5	11.5	Aur
15.0	-22 42	6.0	6.0-10.0	35.5	CMa
19.1	-11 45	5.5	5.5- 9.7	4.2	CMa
6 21.1	+ 4 37	4.3	4.5- 6.5	12.7	8 Mon
22.3	-36 41	5.6	5.8- 9.3	13.0	Col
22.5	+70 34	5.9	6.0-10.0	5.6	Cam
24.3	- 7 29	6.3	6.3- 8.5	21.0	Mon
26.4	- 7 0	3.9	4.7- 5.2	7.2	11 β Mon 1)
6 26.8	-32 20	5.8	6.0- 7.6	1.4	CMa
28.3	+16 59	6.1	6.2- 9.3	7.8	20 Gem
28.4	+11 17	6.1	6.2- 8.5	16.3	Mon
28.6	-50 12	5.3	5.3- 9.0	12.4	Pup
29.6	+11 42	6.0	6.1- 9.3	31.7	Mon
6 30.8	-32 0	5.7	5.8- 7.9	24.8	CMa
31.2	-58 43	5.8	5.8- 9.3	2.4	Pic
33.7	-36 44	5.6	6.0- 7.0	1.3	Col
34.2	-18 37	5.8	5.9- 8.0	17.5	6 ν¹ CMa
34.6	-22 34	6.3	6.4- 9.2	9.3	CMa
6 37.3	-48 10	4.9	5.0- 7.3	13.0	Pup
37.5	-61 29	6.2	6.4- 8.4	2.9	Pic
38.2	+ 9 57	4.6	4.7- 8.0	2.9	15 S Mon
39.6	-40 18	6.1	6.1- 9.8	15.6	Pup
40.6	-38 20	6.3	6.5- 8.0	8.0	Pup
6 40.7	-22 24	6.2	6.4- 8.3	18.1	CMa
41.8	+59 30	4.9	5.0- 8.5	8.7	12 Lyn 2)
43.1	-30 32	6.5	6.5-10.0	4.6	CMa
43.1	+43 38	5.2	5.4- 8.5	41.3	56 ψ⁵ Aur
43.6	-30 54	5.8	5.9- 8.4	5.1	CMa
6 44.0	+55 46	5.6	6.3- 6.3	4.8	Lyn
46.7	-15 5	5.4	5.5- 8.0	8.9	CMa
47.7	-24 1	6.2	6.6- 7.6	1.7	CMa
48.5	-31 39	5.6	5.8- 7.7	43.0	CMa
49.6	+38 56	6.0	6.1- 9.5	22.6	59 Aur
6 51.7	- 5 47	6.4	7.0- 7.2	1.3	Mon
51.8	+13 15	4.6	4.7- 7.6	6.6	38 e Gem
52.9	-20 20	5.7	5.8-10.0	44.0	17 CMa
53.5	-20 4	4.6	4.7- 9.5	12.0	19 π CMa
53.8	-13 59	5.0	5.0- 8.5	2.8	18 μ CMa
6 56.8	-28 54	1.5	1.5- 8.0	7.4	21 ε CMa
7 1.7	+52 50	6.2	6.9- 7.0	3.9	Lyn
2.4	-43 32	5.5	5.8- 6.9	20.4	Pup
2.5	-59 6	5.5	5.9- 6.8	1.7	Car
3.5	-10 35	6.5	6.6- 9.0	37.9	Mon
7 3.7	-34 42	6.1	6.4- 7.7	3.1	Pup
4.3	-11 13	5.4	5.4- 9.0	17.2	CMa
9.2	-70 25	3.7	3.9- 5.8	13.8	γ Vol
9.7	+27 19	6.4	7.2- 7.2	1.2	Gem
10.7	-36 28	6.0	6.0- 8.9	2.6	Pup

1) еще 5.6 10″.0
2) " 6.2 1.7

СПИСОК ДВОЙНЫХ ЗВЕЗД

α	δ	Σ	mag	dist	const
$7^h11^m.7$	$-22^\circ49'$	6.3	6.3- 8.8	19".7	CMa
14.5	-23 14	4.9	5.0- 7.0	26.9	CMa
15.0	-30 48	6.2	6.4- 8.0	38.0	CMa
16.6	-24 52	4.4	4.4-10.0	6.3	30 τ CMa
17.1	+22 5	3.5	3.5- 8.0	6.4	55 δ Gem
7 18.8	+55 23	5.2	5.6- 6.5	14.7	19 Lyn
19.2	-52 13	5.8	6.4- 7.0	9.5	Car
23.0	-37 11	6.3	7.0- 7.1	7.0	Pup
24.8	+21 33	5.2	5.3- 9.5	42.9	63 Gem
25.1	+48 17	5.5	5.6-10.0	17.1	Lyn
7 25.5	-11 27	5.8	5.9- 8.6	20.0	CMa 1)
26.9	-31 45	6.1	6.5- 7.2	9.0	Pup
27.1	-14 53	6.0	6.2- 7.6	2.6	Pup
27.6	-43 12	3.2	3.3- 8.5	22.4	σ Pup
29.7	- 8 46	5.9	6.0- 9.0	23.5	Mon
7 29.8	+23 0	6.3	6.5- 8.3	11.5	Gem
31.4	+32 0	1.6	2.0- 2.'	2.0	66 α Gem
32.2	-23 22	5.2	5.9- 6.0	9.4	n Pup
32.4	+43 9	6.2	6.5- 8.1	2.0	Lyn
33.4	-28 15	4.6	4.7- 9.0	38.4	p Pup
7 33.8	-14 23	5.6	5.6- 8.5	19.8	Pup
36.4	-74 10	6.5	7.2- 7.3	2.0	Vol
36.8	-26 41	3.8	4.5- 4.6	9.9	k Pup
37.5	+ 5 21	5.8	6.4- 6.8	1.2	CMi
41.4	+24 31	3.6	3.7- 8.0	7.0	77 ϰ Gem
7 42.4	-72 29	3.9	3.9- 9.0	17.0	ζ Vol
43.2	-14 34	5.6	6.1- 6.8	16.9	2 Pup
45.6	-12 4	5.5	5.6- 8.0	2.2	5 Pup
45.6	-38 23	5.1	5.1-10.2	10.6	Pup
55.8	-47 45	6.2	6.6- 7.5	1.2	Pup
7 56.8	-49 7	var	4 - 9.5	7.0	V Pup
57.8	-49 50	5.8	6.4- 6.6	16.5	Pup
8 0.2	-54 23	6.0	6.1- 8.2	39.7	Car
1.0	-41 10	5.5	5.6- 8.0	27.0	Pup
1.1	-32 19	5.8	5.8- 8.0	34.8	Pup
8 2.6	+27 40	6.1	6.5- 7.4	3.5	Gem
3.8	-33 26	6.0	6.1- 8.2	22.0	Pup 2)
4.0	- 9 6	6.0	6.1- 8.0	30.9	Mon
6.1	- 2 50	4.4	4.5-10.0	32.0	29 ξ Mon
7.8	-68 28	4.3	4.4- 8.0	6.1	ε Vol
8 8.0	-47 11	1.7	1.8- 4.3	41.2	γ Vel
8.1	-42 30	6.4	6.7- 7.9	5.6	Pup
9.3	+17 48	4.6	5.6- 6.0	5.9	16 ζ Cnc 3)
9.7	-42 50	4.7	4.8- 9.0	25.2	Pup
11.6	+60 32	6.3	6.4-10.0	3.4	UMa
8 12.8	-45 41	6.0	6.0- 9.0	33.3	Vel
13.9	-30 46	6.3	6.5- 8.5	2.0	Pup
14.5	-62 46	5.2	5.3- 8.0	4.0	C Car
15.2	+72 34	6.0	6.1- 9.0	43.1	UMa
20.2	-71 21	5.6	5.7- 8.6	37.0	$\varkappa^2$ Vol
8 22.9	-23 53	5.5	5.5- 9.0	42.1	Pup
23.2	+ 7 44	5.1	5.2- 9.5	31.5	Cnc
23.8	+27 6	5.6	6.3- 6.3	5.0	$23\ \varphi^2$ Cnc
24.1	-51 34	5.2	5.2-10.2	25.7	Vel
24.5	-38 54	6.2	6.7- 7.3	8.1	Pup
8 26.1	-34 57	5.7	5.8-10.0	25.2	Pyx
27.5	-47 46	5.3	5.5- 7.4	3.4	A Vel
27.8	-44 33	5.2	5.5- 6.9	4.5	Vel
29.6	-38 54	6.3	6.4- 8.3	4.5	Vel
33.2	+ 6 48	5.7	6.0- 7.1	10.3	Hya
$8^h36^m.4$	$-62^\circ41'$	5.5	5.5-10.4	7".6	Car
37.6	+19 43	6.3	6.5- 9.0	20.6	41 ε Cnc
38.2	-60 8	6.4	6.9- 7.6	1.6	Car
38.5	-40 5	5.2	5.2- 8.8	4.1	Vel
38.5	-52 53	5.2	5.4- 9.7	16.7	Vel
8 39.0	-46 28	3.9	4.0- 9.6	37.0	b Vel
42.8	- 2 25	6.0	6.5- 7.5	4.7	Hya
43.7	+28 57	4.1	4.2- 6.6	30.4	48 ι Cnc
43.9	-58 32	6.2	6.8- 7.2	4.1	Car
49.1	- 6 59	5.5	5.6-10.0	54.9	15 Hya
8 51.2	+30 46	5.5	6.0- 6.5	1.5	57 Cnc
51.2	-51 56	6.4	6.6- 8.5	3.1	Vel
53.0	- 7 47	6.0	6.7- 6.9	4.3	17 Hya
54.8	-52 32	4.7	4.9- 7.7	2.7	H Vel
55.8	-59 2	5.1	5.1- 7.0	41.0	b^1 Car
8 55.8	+48 14	3.1	3.1-10.0	5.0	9 ι UMa
58.3	+32 27	5.8	6.0- 8.1	4.6	66 Cnc
9 3.5	-57 39	6.4	6.5-10.0	3.5	Car
4.6	+23 11	6.3	6.8- 7.3	7.6	Cnc
7.8	-30 10	5.6	5.6- 9.2	17.8	ε Pyx
9 10.7	-43 24	5.6	6.1- 6.9	2.7	Vel
12.5	-43 1	5.2	5.2- 9.6	5.6	z Vel
15.4	+35 35	5.7	6.3- 6.6	1.8	Lyn
15.7	+37 1	3.8	4.0- 5.9	2.8	38 Lyn
17.3	+51 29	6.0	6.1-10.0	5.6	UMa
9 17.5	-74 41	5.3	5.4-10.5	7.0	Car
17.9	+38 24	5.8	6.4- 6.6	1.2	Lyn
18.0	- 9 21	4.8	4.9- 9.0	9.6	27 P Hya
24.2	-61 44	5.8	5.8- 9.2	8.8	Car
27.6	+63 17	3.6	3.7- 9.0	22.8	23 h UMa
9 28.6	-31 40	6.0	6.4- 7.2	8.0	ζ^1 Ant
29.3	+ 9 56	5.1	5.2- 8.5	37.4	6 h Leo
30.4	+28 35	6.3	6.4-10.0	31.6	Leo
31.9	-48 47	5.1	5.5- 6.4	2.0	Vel
32.2	+40 11	6.2	6.6- 7.6	24.9	Lyn
9 33.2	+73 18	6.4	7.1- 7.3	5.0	Dra
33.2	+14 36	6.2	6.2- 8.5	41.7	7 Leo
34.6	-48 32	6.2	6.4- 9.2	3.4	Vel
45.9	-64 50	3.1	3.2- 6.0	4.6	υ Car
52.3	-45 3	5.7	5.8- 8.0	5.4	Vel
10 1.7	-17 52	5.6	5.8- 7.8	21.2	Hya
13.6	+17 59	6.5	7.2- 7.4	1.2	Leo
13.9	+71 19	6.1	6.6- 7.2	17.0	UMa
17.2	+20 6	2.3	2.6- 3.8	4.3	41 γ Leo
17.5	-64 25	5.7	6.4- 6.4	2.1	Car
10 19.0	-55 47	4.5	4.6- 8.0	7.2	J Vel
19.2	-22 17	6.4	6.7- 8.4	1.9	Hya
27.3	-30 21	5.6	5.7- 9.5	11.0	δ Ant
29.4	-53 28	4.9	5.0- 8.5	37.9	Vel
29.8	-44 49	5.6	6.2- 6.5	13.5	s Vel
10 30.7	-46 45	5.0	5.1- 8.6	40.5	t Vel
32.4	+ 8 55	5.6	5.7- 8.5	2.4	49 Leo
36.8	-58 55	4.7	4.7- 8.0	14.8	t^2 Car
37.1	-58 33	5.8	5.9- 7.6	21.1	Car
37.3	-55 21	4.3	4.4- 6.6	51.7	x Vel
10 40.8	+ 5 1	6.0	6.3- 7.4	6.8	35 Sex
50.9	- 1 59	6.2	6.2-10.0	35.0	p^1 Leo
52.1	-70 27	6.0	6.5- 7.1	1.6	Car
52.9	+25 1	4.3	4.5- 6.3	6.5	54 Leo
57.2	-61 3	6.1	6.2-10.0	3.9	Car
$11^h10^m.9$	$+41^\circ22'$	6.4	6.5- 9.5	3".3	UMa
13.2	+53 3	6.2	6.5- 7.8	12.7	UMa
14.1	-45 36	6.3	6.9- 7.2	2.3	Cen
15.5	+31 49	3.9	4.4- 4.9	2.8 ο	53 ξ UMa
21.2	-64 41	5.1	5.6- 6.7	2.3	Mus
11 24.2	+ 3 17	6.0	6.2- 7.2	28.7	83 Leo
26.2	-42 24	5.1	5.3- 8.0	13.3	Cen
26.4	+39 37	5.2	5.2- 8.5	5.5	57 UMa
27.2	-24 11	5.7	5.9- 7.9	7.7	Crt
29.2	+14 39	6.0	6.2- 8.2	15.4	88 Leo
11 29.8	-28 59	5.1	5.8- 5.9	9.2	N Hya
31.2	-40 19	5.4	6.2- 6.2	1.1	Cen
32.1	+17 4	6.0	6.3- 7.4	3.4	90 Leo
34.1	-33 18	5.9	5.9- 8.6	3.4	Hya
35.8	- 2 10	6.2	6.3-10.3	5.0	Vir
11 36.0	+64 37	6.4	6.7- 8.0	2.2	UMa
36.1	+45 23	6.3	6.5- 8.6	10.0	UMa
39.2	-32 13	5.2	5.3- 8.4	27.0	Hya
39.3	-82 49	6.3	6.3-10.3	22.3	Cha
41.6	+25 30	6.0	6.0-10.0	37.2	Leo
11 50.4	-33 38	4.3	4.9- 5.3	1.2	β Hya
52.5	+46 45	5.9	6.5- 8.3	3.7	65 UMa
57.1	-77 57	4.9	5.3- 6.1	1.1	ε Cha
59.8	-85 21	6.0	6.0- 9.0	25.0	Oct
12 1.7	+21 44	5.7	6.0- 7.5	3.8	2 Com
12 3.8	-65 26	5.9	6.1- 7.8	8.7	Mus
7.5	-34 26	6.2	6.3- 8.4	3.6	Hya
11.4	-45 27	5.3	5.5- 7.0	2.8	D Cen
13.2	-23 5	6.4	7.0- 7.5	1.2	Crv
13.6	+40 56	5.6	5.8- 8.2	11.5	2 CVn
12 15.0	+29 13	5.7	5.7-10.0	8.2	Com
15.6	- 3 40	6.0	6.6- 7.0	20.0	Vir
18.2	+27 20	6.3	7.0- 7.1	9.0	Com
20.0	+ 5 35	6.4	6.5- 8.6	19.6	17 Vir
21.9	+25 52	6.4	6.7- 7.7	1.3	Com
12 22.1	-41 6	6.2	6.3- 8.6	10.0	Cen
23.8	-62 49	1.0	1.6- 2.1	4.4	α Cru
27.3	-16 14	3.0	3.1- 8.0	24.2	7 δ Crv
32.6	+18 39	5.0	5.2- 6.7	20.3	24 Com
38.7	-12 44	5.3	6.0- 6.1	5.2	Crv
12 38.7	-48 41	2.2	2.9- 3.0	1.6	γ Cen
39.1	- 1 11	2.9	3.7- 3.7	5.0	29 γ Vir
42.7	-60 42	4.7	4.7- 7.8	26.4	ι Cru
43.2	-67 50	3.0	3.6- 3.9	1.4	β Mus
48.6	+83 41	4.8	5.3- 5.8	21.5	Cam
12 48.6	-10 5	6.5	6.6- 8.9	33.6	Vir
50.8	+21 31	5.0	5.1- 8.0	28.5	35 Com
51.6	-56 54	3.7	4.0- 5.2	34.9	μ Cru
53.7	+38 35	2.8	2.9- 5.6	19.6	12 α CVn
54.1	+54 22	5.9	6.0- 7.7	3.7	UMa
13 3.4	-48 12	4.7	5.0- 10.0	11.6	f_2 Cen
4.0	-49 38	4.3	4.4- 9.0	24.0	ξ^2 Cen
4.9	-65 2	5.5	5.6- 7.2	5.5	ϑ Mus
7.4	- 5 16	4.4	4.5- 9.0	7.2	51 ϑ Vir
10.8	-18 34	6.3	6.8- 7.3	5.2	54 Vir
13 18.2	+ 3 12	6.2	6.8- 7.2	1.1	Vir
21.9	+55 11	2.2	2.4- 4.0	14.4	79 ζ UMa
34.0	-26 14	5.5	5.6- 7.2	10.2	Hya
35.2	+36 33	4.9	5.1- 7.1	1.7	25 CVn
38.3	+20 12	5.6	5.7- 9.0	4.5	1 Boo

1) еще 9.8 23".4
2) " 9.5 27.8
3) " 6.3 1.1

СПИСОК ДВОЙНЫХ ЗВЕЗД

α	δ	Σ	mag	dist	const
13h 38.4	+50° 46'	6.3	6.4-10.0	17".7	UMa
38.5	-54 18	5.6	5.8- 7.2	5.3	Q Cen
38.7	-23 12	6.4	6.4- 9.5	31.1	Hya
40.5	+ 3 47	5.4	5.5- 8.0	3.3	84 Vir
43.7	-62 20	6.2	6.2-10.4	9.7	Cen
13 48.8	-52 34	5.7	5.8- 7.8	17.6	N Cen
48.9	-32 45	4.5	4.7- 6.2	7.6	3 k Cen
50.3	-31 41	4.7	4.8- 9.0	14.9	4 h Cen
52.3	- 7 49	6.2	6.5- 7.5	3.4	Vir
53.0	-53 53	6.4	6.7- 8.0	1.7	Cen
13 54.8	-65 33	6.2	6.2-10.2	6.4	Cir
14 0.1	-31 27	6.2	6.5- 8.0	1.9	Cen
11.7	+52 1	4.4	4.6- 6.6	13.3	17 κ Boo
14.2	+20 21	6.3	6.5- 8.3	4.2	Boo
14.4	+51 36	4.7	4.8- 8.3	38.4	21 ι Boo
14 17.0	-42 50	5.7	5.8- 8.7	3.7	Lup
19.0	-58 14	5.1	5.2- 7.2	9.3	Cen
19.4	-48 6	6.3	6.3- 9.4	4.3	Lup
20.9	+ 8 40	4.9	5.1- 6.6	6.3	Boo
22.7	-19 44	6.0	6.4- 6.7	35.1	Lib
14 25.6	- 2 0	4.8	4.8- 9.2	4.7	105 φ Vir
26.3	+28 31	6.4	7.0- 7.4	25.5	Boo
27.7	+32 1	5.9	6.0-10.0	25.8	Boo
34.0	-45 55	5.4	5.5- 8.9	19.4	a Lup
36.2	-60 38	0.1	0.3- 1.7	17.6	Cen
14 38.4	+16 38	4.5	4.9- 5.8	5.6	29 π Boo
38.4	-64 46	3.2	3.2- 8.6	15.8	α Cir
38.8	+13 57	3.9	4.4- 4.8	1.2	30 ζ Boo
40.8	+61 28	6.2	6.3- 8.5	3.8	Dra
41.3	-62 40	5.3	5.4-10.2	36.5	Cir
14 42.8	+27 17	2.6	2.7- 5.1	2.9	36 ε Boo
43.1	-25 14	5.0	5.2- 7.1	8.6	54 m Hya
46.2	+24 34	5.9	6.1- 7.5	2.0	Boo
46.6	-13 57	5.4	5.8- 6.7	2.2	7 μ Lib
47.9	+51 35	6.4	6.5- 9.8	15.7	Boo
14 48.0	+48 56	5.6	6.1- 6.8	3.2	39 Boo
49.1	+19 18	4.5	4.8- 6.7	6.6	37 ξ Boo
51.0	+15 54	6.4	6.9- 7.6	1.6	Boo
53.1	-47 41	5.6	5.9- 7.0	2.2	Lup
53.9	+32 30	6.1	6.2- 9.5	4.6	Boo
14 54.5	-21 11	5.8	6.0- 7.5	21.8	Lib
56.2	-10 57	6.0	6.0-10.0	19.6	18 Lib
58.9	+47 28	6.4	6.5- 9.0	35.5	Boo
15 1.6	+ 5 41	6.3	7.1- 7.2	10.1	Vir
1.7	-46 51	4.0	4.7- 4.8	1.5	π Lup
15 2.1	+47 51	4.8	5.2- 6.1	1.1	44i Boo
8.2	-45 5	5.9	6.4- 7.1	32.2	Lup
8.4	-48 33	4.0	4.1- 6.0	26.7	κ Lup
10.5	+19 28	6.4	6.8- 7.6	23.8	Boo
12.4	-47 53	6.2	6.2-10.2	13.3	Lup
15 15.0	-47 42	4.4	5.1- 5.3	1.2	μ Lup 1)
16.8	+ 1 57	5.1	5.2-10.0	11.0	5 Ser
19.3	-44 31	3.4	3.4- 8.6	26.1	ε Lup
19.4	-59 9	4.5	5.2- 5.3	1.1	γ Cir
24.8	-51 25	6.2	6.2- 9.2	13.2	Lup
15 28.8	-20 0	6.2	6.3- 8.5	11.0	Lib
30.2	-24 19	6.4	7.0- 7.4	9.3	Lib
32.0	+80 37	6.3	6.6- 7.6	31.2	UMi
32.4	+10 42	3.8	4.2- 5.2	4.0	13 δ Ser
32.4	-44 48	4.5	4.7- 7.4	2.4	d Lup

1) еще 7.2 23".0

α	δ	Σ	mag	dist	const
15h 36.0	- 8° 38'	5.8	6.5- 6.6	12".0	Lib
37.5	+36 48	4.7	5.1- 6.0	6.3	7 ζ CrB
37.8	+12 13	6.2	6.3- 9.5	15.3	Ser
41.0	-41 40	5.9	6.2- 7.6	3.8	Lup
43.3	-65 17	5.7	6.5- 6.5	2.0	TrA
15 43.9	+15 35	3.7	3.7- 9.0	30.8	28 β Ser
47.2	-54 54	5.7	5.8- 8.6	18.0	Nor
50.6	-25 11	4.6	4.8- 6.8	2.4	2 A Sco
51.3	-60 2	5.8	5.8- 9.0	3.8	Nor
53.7	-33 49	4.8	5.4- 5.7	10.4	ξ Lup
15 56.8	-38 15	3.4	3.6- 7.5	15.0	η Lup
57.5	-40 18	6.2	6.2- 9.5	8.0	Lup
59.5	-57 38	4.6	4.7- 8.0	10.8	ι¹ Nor
16 1.6	-11 14	4.2	4.8- 7.2	7.8	ξ Sco
2.5	-19 40	2.5	2.6- 4.9	13.6	8 β Sco
16 3.1	- 6 9	6.4	6.4-10.0	28.7	Oph
5.2	-38 58	5.8	6.4- 6.7	44.3	Sco
5.8	+17 11	5.0	5.3- 6.5	28.2	7 κ Her
6.3	-32 31	6.3	6.7- 7.3	7.8	Sco
9.1	-19 20	3.9	4.0- 6.2	41.2	14 ν Sco
16 9.2	-28 17	5.7	5.8- 8.0	3.9	13 ε¹ Sco
9.8	+33 28	6.3	6.4-10.4	5.8	CrB
10.1	+42 30	5.8	5.8- 9.5	23.5	Her
12.8	+33 59	5.4	5.8- 6.7	6.2	17 σ CrB
16.4	-30 47	5.4	5.8- 6.9	23.4	Sco
16 17.2	-39 19	6.2	6.2- 9.0	9.7	Sco
18.1	-25 28	2.9	3.0- 9.0	20.0	20 σ Sco
18.9	-43 48	6.0	6.0- 9.6	40.7	Nor
19.7	+19 16	3.7	3.8- 9.5	41.2	20 γ Her
21.0	+32 27	6.1	6.2- 9.0	34.0	23 Her
16 21.5	-29 35	5.5	5.9- 6.6	5.3	Sco
22.6	-23 19	4.8	5.2- 5.9	3.5	5 ρ Oph
23.1	+61 49	5.3	6.0- 7.0	1.1	Dra
23.3	-63 57	5.3	5.3- 9.7	19.7	ι TrA
23.3	+61 38	2.8	2.9- 8.0	6.0	14 η Dra
16 23.5	-47 27	4.5	4.6- 7.3	22.7	ε Nor
26.1	- 8 1	6.4	6.5- 9.0	5.0	Oph
30.3	+45 42	5.6	5.7- 8.2	16.4	Her
34.9	-43 18	6.1	6.1- 9.4	16.4	Sco
35.0	+53 0	5.2	5.6- 6.6	3.4	17 Dra
16 37.6	-48 40	5.6	5.9- 7.1	9.6	Ara 1)
44.6	+ 2 9	6.0	6.0- 9.5	23.2	19 Oph
47.3	+13 21	6.0	6.0-10.0	5.5	Her
47.6	-37 26	6.2	6.2- 8.2	6.8	Sco
53.0	+25 49	6.1	6.2-10.0	18.0	56 Her
16 54.1	-19 28	6.1	6.3- 8.3	4.7	Oph
59.6	+ 8 31	6.2	6.6- 7.2	1.2	Oph
17 3.0	-37 10	6.1	6.1-10.0	7.1	Sco
4.3	- 1 35	6.2	6.4- 8.7	20.4	Oph
4.3	+54 32	5.1	5.8- 5.8	2.2	21 μ Dra
17 8.2	-67 8	5.8	5.9- 9.4	30.1	Ara
10.4	+49 48	6.0	6.1- 9.5	4.5	Her
12.3	-26 32	4.6	5.3- 5.3	4.4	36 A Oph
12.4	+14 27	var	var- 5.4	4.7	64 α Her
13.0	+24 54	3.1	3.2- 8.8	8.9	65 δ Her
17 15.0	-24 14	5.1	5.4- 6.9	11.0	39 o Oph
15.3	-46 35	5.5	5.6- 8.5	7.0 o	Ara
15.5	+33 9	var	var-10.0	4.5	68 u Her
15.5	-34 56	5.9	6.1- 7.6	1.8	Sco 2)
17.0	-17 42	6.0	6.4- 7,5	2.1	Oph

1) еще 9.6 13.4
2) " 10.0 32.0

α	δ	Σ	mag	dist	const
17h 18.0	-12° 48'	4.3	4.4- 8.7	47".3	53 ν Ser
22.0	+37 11	4.2	4.5- 5.5	4.0	75 ρ Her
22.3	+15 39	6.2	6.3-10.0	4.0	Her
22.7	+37 0	6.4	6.5- 8.2	33.0	Her
23.2	-45 48	5.3	5.8- 6.6	2.4	Ara
17 27.8	- 1 1	5.3	6.0- 6.1	1.0	Oph
31.4	-32 33	5.7	5.7-10.5	5.5	Sco
32.2	+ 9 37	5.6	5.8- 7.5	41.2	53 f Oph
33.9	+21 2	5.8	5.8- 9.4	10.4	Her
39.0	+24 32	6.4	6.6- 8.9	16.3	Her
17 42.0	+14 26	6.1	6.2- 9.5	38.9	Her
42.1	+ 2 36	5.7	6.3- 6.6	20.6	61 Oph
42.8	+72 11	4.6	4.9- 6.1	30.3	31 ψ Dra
44.5	+27 45	3.4	3.5- 9.9	33.5	86 μ Her
46.4	-53 36	5.9	5.9- 9.5	12.4	Ara
17 48.0	-30 33	6.5	6.5- 8.7	10.1	Sco
53.4	-15 48	5.9	6.0- 9.0	20.9	Ser
55.9	-30 15	5.1	5.3- 7.0	5.5	Sgr
59.4	+21 36	4.4	5.1- 5.2	6.3	95 Her
18 0.4	- 8 11	4.9	5.3- 6.0	2.0	69 τ Oph
18 1.8	+48 28	6.0	6.2- 8.2	27.1	Her
2.9	+ 2 31	4.0	4.2- 6.0	2.4	70 Oph
3.2	-43 26	5.0	5.8- 5.8	1.4	CrA
3.4	+12 0	6.4	7.0- 7.4	7.0	Oph
3.8	+80 0	5.1	5.7- 6.0	19.3	40-41 Dra
18 5.5	+13 4	6.4	6.5- 9.0	42.0	Oph
5.8	+26 5	5.1	5.9- 5.9	14.2	100 Her
6.9	-30 44	5.5	5.6- 7.9	4.0	Sgr
8.3	-19 51	6.3	7.0- 7.2	1.2	Sgr
14.3	-34 8	var	6 - 9.5	39.5	RS Sgr
18 15.8	-18 38	6.4	6.5- 8.0	17.2	Sgr
23.2	+58 46	4.8	4.9- 7.7	3.7	39 b Dra
24.6	-26 40	6.2	6.9- 7.0	1.6	Sgr
24.6	+ 0 10	var	var- 7.5	3.9	59 d Ser
28.7	-10 50	5.8	5.8- 9.1	12.3	Sct
18 29.9	-38 46	5.5	6.0- 6.6	21.4	κ CrA
31.0	+ 8 14	6.2	6.3- 9.5	38.7	Oph
32.8	+52 19	5.3	5.4- 8.9	25.7	Dra
33.7	+16 56	6.1	6.7- 7.1	1.7 o	Her
34.8	+33 26	5.4	5.5-10.0	7.3	Lyr
18 40.3	+34 42	6.1	6.2- 7.8	25.1	Lyr
40.4	-38 22	5.1	5.1- 8.9	25.6	λ CrA
42.7	+39 37	4.7	5.1- 6.0	2.7 o	4 ε¹ Lyr
42.7	+39 33	4.5	5.1- 5.4	2.3 o	5 ε² Lyr
43.0	+ 5 27	5.7	6.3- 6.7	2.4	Ser
18 43.0	+37 33	4.1	4.4- 5.7	43.7	6-7 ζ Lyr
43.9	- 1 1	5.7	5.9- 7.5	13.1	5 Aql
48.2	+33 18	var	var- 7.8	46.6	10 β Lyr
50.5	+59 20	4.6	4.8- 7.6	34.2	47 o Dra
51.2	-22 48	4.8	4.9-10.4	29.0	35 ν¹ Sgr
18 53.0	+33 54	5.8	6.1- 7.1	45.4	Lyr
53.7	+ 4 8	4.0	4.6- 5.0	22.2	63 ϑ Ser
55.2	+75 43	6.2	6.5- 7.3	5.7	Dra
56.8	+62 20	6.3	6.4- 9.0	17.3	Dra
56.8	+13 33	5.2	5.3- 9.0	16.5	11 Aql
18 57.1	+40 37	6.0	6.1- 9.0	19.0	Lyr
57.7	-37 8	6.0	6.6- 6.8	12.0	CrA
19 0.1	-19 19	6.0	6.0- 9.1	7.6	Sgr 1)
0.9	+52 11	6.3	6.4- 9.1	5.0	Dra
2.3	- 4 6	5.5	5.7- 7.2	38.4	15 h Aql

1) еще 10.7 20".1

СПИСОК ДВОЙНЫХ ЗВЕЗД

α	δ	Σ	mag	dist	const
19h 3m.0	−37° 8'	4.3	5.0– 5.0	2".2	γ CrA
4.0	−16 18	5.9	6.0– 9.0	6.2	Sgr
7.2	+34 31	6.4	6.8– 8.1	17.3	Lyr
10.8	+49 46	5.9	6.6– 6.7	8.4	Cyg
12.1	+39 4	4.4	4.5– 8.7	28.2	20 η Lyr
19 14.2	+14 27	5.5	5.5– 9.0	8.3	Aql
16.0	+ 1 0	5.2	5.3– 9.0	3.5	23 Aql
19.0	−44 33	3.9	4.0– 7.0	28.4	β¹ Sgr
21.9	−29 24	6.1	6.1–10.1	14.5	Sgr
23.3	+19 42	5.2	5.3–10.0	22.6	4 Vul
19 24.3	+19 47	5.8	5.9–10.0	26.0	Vul
26.8	−27 5	5.4	5.5– 9.0	7.8	Sgr
27.7	+ 2 48	6.2	6.3–10.2	33.6	Aql
28.7	+27 51	3.1	3.2– 5.1	34.3	6 β Cyg
37.1	+16 27	6.4	6.5– 8.5	28.6	Sge
19 37.9	−16 25	5.4	5.5– 9.9	45.4	54e¹ Sgr
38.5	+23 36	6.4	6.5– 9.0	15.3	Vul
39.4	+60 23	6.1	6.2– 8.5	18.3	Dra
40.5	+50 24	5.3	6.0– 6.2	39.0	16 c Cyg
43.8	+35 58	6.0	6.5– 7.1	15.0	Cyg
19 44.0	+34 53	6.1	6.3– 8.5	38.0	Cyg
44.5	+33 37	5.0	5.1– 8.5	26.0	17 Cyg
44.7	+32 46	6.0	6.1– 9.0	31.3	Cyg
46.3	+11 41	5.6	6.1– 6.8	1.4	52 π Aql
46.8	+19 1	4.9	5.0– 8.7	8.3	8 ξ Sge
19 48.4	+70 8	3.9	4.0– 7.2	3.2	63 ε Dra
48.7	−55 6	5.7	6.1– 6.8	22.9	Tel
49.9	+10 13	6.4	6.5– 9.5	13.6	Aql
51.3	−24 4	6.2	6.3–10.2	14.0	Sgr
51.9	− 8 22	5.3	5.7– 6.5	35.7	57 Aql
19 53.1	+30 4	6.5	6.6– 9.0	9.7	Cyg
54.3	+52 18	4.8	4.9– 7.5	3.3	24 ψ Cyg
56.3	+42 7	6.4	6.5– 8.7	3.1	Cyg
56.8	+37 58	6.3	6.6– 7.8	2.3	Cyg
59.9	+49 58	5.2	5.3– 9.1	41.9	26e Cyg
20 4.1	+63 45	6.2	6.2– 9.7	5.4	Dra
5.4	+ 9 15	6.3	6.4– 8.5	4.2	Aql
7.7	+20 46	6.5	6.5– 8.5	11.6	17 ϑ Sge
10.0	+ 0 43	6.2	6.8– 7.1	2.9	Aql
10.6	+77 34	4.4	4.5– 8.2	7.4	1 ϰ Cep
20 11.5	+24 5	6.4	6.5– 9.5	2.5	Vul
12.6	+41 57	6.4	6.4– 9.5	11.7	Cyg
14.9	−12 40	4.2	4.3– 9.0	45.5	5 α¹ Cap
15.3	−12 42	3.6	3.8–10.5	7.1	6 α² Cap
16.3	+40 35	5.8	6.0– 8.2	2.7	Cyg 1)
20 17.2	+55 14	5.8	6.0– 7.4	3.5	Cyg
17.4	−29 21	6.3	6.4– 8.0	27.2	Sgr 2)
18.4	+39 15	6.2	6.2– 8.7	3.3	Cyg
22.1	+ 0 54	6.1	6.2–10.5	32.8	Aql
24.5	−18 23	5.2	5.2– 8.5	3.2	10 π Cap
20 25.2	+56 28	6.4	6.4– 8.3	26.4	Cyg
27.0	−18 45	5.5	5.9– 6.7	21.6	12 o Cap
28.8	+11 5	6.4	6.7– 7.4	16.7	Del
35.8	−75 32	6.0	6.6– 7.1	17.2	μ² Oct
39.0	+32 8	5.6	5.8– 8.0	2.8	49 Cyg
20 43.6	+30 32	4.3	4.4– 9.2	6.4	52 Cyg
44.3	+15 57	3.9	4.3– 5.1	10.0	12 γ Del
46.8	−33 58	4.9	4.9– 9.5	20.6	α Mic
47.2	+51 43	6.2	6.4– 8.4	4.2	Cyg
47.5	−62 37	5.8	6.6– 6.6	2.5	Pav

1) еще 9.2 34".3
2) " 8.5 4.0

α	δ	Σ	mag	dist	const
20h 50m.1	−23° 58'	6.4	6.5– 8.5	2".2	Cap
53.2	+ 4 20	6.0	6.2– 7.7	2.1	Del
54.6	+ 0 16	6.1	6.2–10.0	26.2	Aqr
56.6	+ 4 6	5.3	5.5– 7.3	10.6	1 ε Equ
56.9	+50 16	5.5	5.8– 7.0	2.0	Cyg
20 58.1	+47 19	4.6	4.6– 9.0	20.2	59 f¹ Cyg
59.4	+45 58	5.4	5.4– 9.5	3.1	60 Cyg
21 0.5	+ 1 20	6.5	7.0– 7.5	1.5	Aqr
0.8	+56 28	5.8	6.2– 7.0	1.7	Cep
1.4	− 6 1	5.6	5.9– 7.3	2.7	12 Aqr
21 4.7	+38 30	4.8	5.2– 6.0	28.4 o	61 Cyg
6.5	+30 0	5.6	5.7– 7.7	3.5	Cyg
12.0	+ 9 48	4.5	4.6–10.2	44.0	7 δ Equ
15.9	+34 41	4.4	4.6–10.2	15.0	66 υ Cyg
16.3	−53 40	4.4	4.6– 7.0	6.0	ϑ Ind
21 16.9	−26 34	6.5	6.5– 9.0	3.9	Cap
17.9	+58 25	5.7	5.8– 9.9	4.9	Cep
18.7	+32 14	6.3	6.9– 7.5	2.1	Cyg
19.8	+19 35	4.1	4.2– 8.3	36.3	1 Peg
23.7	+36 27	5.9	6.0–10.0	33.7	69 Cyg
21 23.8	−42 46	5.6	5.7– 8.5	3.1	Mic
26.0	+59 32	6.2	6.3–10.5	11.5	Cep
28.0	+70 20	3.2	3.3– 8.0	13.0	8 β Cep
35.0	− 0 37	6.2	6.4– 8.4	31.4	Aqr
35.2	+ 6 24	6.2	6.3– 8.0	39.2	3 Peg
21 37.4	+57 16	5.6	5.6– 7.9	11.9	Cep 1)
41.9	+28 31	4.4	4.7– 6.1	1.9	78 μ Cyg
43.5	−82 57	5.3	5.5– 7.6	3.0	λ Oct
49.2	+19 35	5.7	5.7–10.0	19.5	Peg
50.3	+55 34	5.5	5.8– 6.8	18.3	Cep
21 50.4	+65 31	6.4	7.0– 7.2	2.0	Cep
51.9	+19 29	6.2	6.4– 8.0	22.3	Peg
52.0	− 3 32	6.2	6.2– 9.0	19.0	Aqr
58.0	−28 42	5.4	5.8– 6.8	1.8	12 η PsA
58.2	−76 22	5.9	5.9–10.3	34.6	Oct
21 59.7	−17 12	6.5	7.2– 7.4	3.7	29 Aqr
22 0.2	+82 38	6.5	7.1– 7.5	13.8	Cep
2.3	+64 23	4.6	4.8– 6.7	7.5	17 ξ Cep
9.5	+69 53	5.5	5.6– 8.0	14.7	Cep
11.5	−21 19	5.4	5.6– 7.4	5.0	41 Aqr
22 12.0	+73 4	6.0	6.2– 8.0	29.0	Cep
15.0	−53 52	5.4	5.4–10.5	3.4	Gru
16.7	+37 33	6.2	6.3– 8.3	15.7	Lac
21.6	−75 16	6.0	6.1– 8.7	20.1	Oct
23.8	−65 13	4.5	4.5– 9.3	6.8	δ Tuc
22 23.9	−17 0	5.7	6.4– 6.6	4.1	53 f Aqr
24.5	+37 11	6.4	6.5–10.5	4.2	Lac
26.3	− 0 17	3.7	4.4– 4.6	1.9	55 ζ Aqr
27.3	+58 10	var	var– 7.5	41.0	27 δ Cep
28.7	−32 36	4.3	4.4– 7.9	30.3	17 β PsA
22 31.9	+70 7	6.2	6.3– 8.5	9.4	Cep
33.6	+39 23	5.7	6.2– 6.8	22.4	8 Lac 2)
37.0	−28 35	6.3	7.3– 8.1	3.0	PsA 3)
39.6	−47 28	6.0	6.1– 9.5	7.7	Gru
41.8	+39 12	5.9	6.1– 8.3	2.9	Lac
22 45.1	−14 19	5.7	5.8– 9.0	25.6	69 Aqr
47.3	+68 18	6.4	7.1– 7.2	3.8	Cep
49.4	+61 25	5.7	6.0– 7.2	1.7	Cep
49.8	−33 8	4.5	4.6– 8.2	4.2	22 γ PsA
51.4	+44 29	5.6	5.6–10.5	28.0	Lac

1) еще 8.0 "19.3
2) " 10.2 28.0
3) " 6.9 88

α	δ	Σ	mag	dist	const
22h 54m.4	+11° 35	6.4	6.5– 8.8	3".7	Peg
58.3	+30 49	6.3	6.4– 8.9	3.3	Peg
23 0.4	+43 47	6.4	6.4– 9.6	7.2	And
0.6	+54 58	6.4	6.5– 9.5	20.7	Cas
1.3	+60 10	6.5	6.6– 9.9	33.9	Cep
23 4.4	−50 57	5.8	6.2– 6.9	8.6	Gru
5.1	+32 33	6.2	6.5– 7.8	8.4	Peg
7.0	+ 8 24	5.2	5.3–10.0	32.9	57 Peg
10.9	+10 48	5.8	5.9– 9.2	33.6	Peg
13.3	− 9 22	4.2	4.3– 8.5	49.5	91 ψ¹ Aqr
23 13.9	−44 46	5.9	5.9–10.5	22.2	Gru
16.5	−13 44	5.1	5.3– 7.3	13.4	94 Aqr
16.6	+67 50	4.8	4.9– 7.5	2.9	34 o Cep
18.0	−50 34	6.2	6.2– 8.9	16.8	Gru
18.4	+43 51	6.1	6.2–10.0	13.2	And
23 21.1	−54 5	6.1	6.5– 7.4	26.5	Gru
34.4	−32 9	6.5	6.5– 9.8	5.4	Scl
35.1	−13 20	5.7	5.7–10.5	32.9	Aqr
36.8	−46 55	6.3	6.7– 7.4	3.8	Phe
37.6	+37 23	6.2	6.3–10.0	15.0	And
23 41.9	−26 31	6.3	6.3– 9.2	9.1	Scl
43.4	−18 57	5.4	5.7– 7.0	6.5	107 i² Aqr
46.2	+64 36	6.3	6.8– 7.5	49.5	Cas
47.2	−25 37	6.4	6.5–10.5	13.4	Scl
51.8	−27 19	6.3	6.7– 7 4	6.7	Scl
23 55.9	+51 7	var	var–10.2	27.6	R Cas
56.5	+55 29	5.0	5.1– 7.2	3.1	8 σ Cas
56.9	+33 27	5.8	6.6– 6.6	1.6	And

СПИСОК БЛИЗКИХ МЕЖДУ СОБОЙ ЗВЕЗД

α	δ	mag	dist	const	α	δ	mag	dist	const
1h23.m6	+18°55'	5.3-5.5	7.'4	93 ρ - 94 Psc	12h26.m4	+26°11'	5.3-6.6	2.'4	17 Com
1 47.1	-10 56	4.7-5.8	3.1	53 χ Cet	12 28.4	-56 50	1.6-6.4	1.8	γ Cru
1 53.2	+37 0	5.7-6.0	3.1	56 And	12 48.3	-60 3	5.7-6.0	9.2	Cru
3 17.1	-62 42	5.2-5.5	5.2	ζ1 - ζ2 Ret	12 50.4	-60 3	5.7-5.9	4.4	ϰ Cru
3 41.6	+27 45	6.7-7.0	2.1	Tau	13 7.6	+38 46	6.0-6.1	4.8	15 - 17 CVn
3 42.9	+24 24	5.8-6.4	2.6	21 - 22 Tau	13 10.8	+19 0	6.3-6.4	9.1	Com
3 44.5	+23 57	2.9-6.2	2.0	25 η Tau	13 19.4	-60 44	4.5-6.5	1.1	J Cen
4 1.2	-20 17	6.5-7.4	2.9	Eri	13 25.5	+65 0	6.7-7.0	1.2	Dra
4 12.7	+ 6 5	6.5-7.2	1.1	Tau	13 44.5	-50 4	5.4-5.9	4.7	Cen
4 22.4	+22 11	4.2-5.3	5.7	65 ϰ - 67 Tau	13 48.9	+34 55	5.0-6.5	6.5	CVn
4 25.8	+15 46	3.4-3.9	5.6	77 ϑ1 - 78 ϑ2 Tau	14 23.0	-45 9	4.4-4.5	9.5	τ1 - τ2 Lup
4 27.8	+15 35	5.5-5.6	7.8	80 - 81 Tau	14 43.5	-52 10	5.2-6.3	10.8	b Lup
4 31.5	- 6 51	5.7-6.1	7.2	46 Eri	14 48.1	-15 50	2.8-5.9	3.8	8 α1 - 9 α2 Lib
4 36.4	+15 49	4.7-5.1	7.1	91 σ1 - 92 σ2 Tau	15 12.9	-60 46	5.1-5.7	4.0	δ Cir
5 1.8	+58 54	5.2-6.2	2.7	11 - 12 Cam	15 18.1	-40 28	3.2-6.2	8.2	δ Lup
5 16.7	+33 54	5.0-6.5	7.9	18 - 19 Aur	15 22.6	+37 33	4.3-6.5	1.8	51 μ Boo
5 19.2	- 0 26	4.7-5.7	4.1	22 o Ori	15 35.4	-38 58	6.0-6.6	2.7	Lup
5 21.4	+31 6	5.9-6.2	4.9	Aur	16 12.8	-78 34	4.7-5.3	1.7	δ1 - δ2 Aps
5 32.8	- 5 27	5.0-5.2	2.2	41 ϑ - 43 Ori	16 20.5	+33 55	5.3-5.3	6.1	20 ν1 - 21 ν2 CrB
5 32.9	- 4 27	6.3-6.5	4.2	Ori	16 22.6	-23 19	4.8-6.6	4.9	5 ρ Oph
5 32.9	- 4 52	4.6-5.3	4.2	42 c - 45 Ori	16 35.0	+53 0	5.2-5.6	1.5	16 - 17 Dra
5 42.2	-22 27	3.6-6.2	1.6	13 γ Lep	16 38.2	+ 4 19	5.7-6.8	1.2	36 - 37 Her
5 53.0	- 4 37	5.9-6.3	10.4	Ori	16 40.4	-41 1	6.2-6.3	1.6	Sco
6 3.2	-45 5	5.9-6.3	3.3	Pup	16 48.5	-37 58	3.1-3.6	5.8	μ1 - μ2 Sco
6 13.3	+ 1 11	6.3-6.5	8.6	Ori	16 50.5	-41 43	5.3-6.5	3.2	Sco
6 14.6	+46 23	6.4-6.5	8.1	42 - 43 Aur	16 55.7	+65 13	4.9-6.3	6.4	19 h Dra
6 50.5	+38 34	6.2-6.3	9.4	60 - 61 ψ3 Aur	16 57.1	-24 55	5.8-5.9	7.7	26 Oph
6 51.1	-18 58	5.6-6.2	6.0	CMa	17 1.4	+13 40	5.7-6.1	4.9	Her
7 16.5	-36 39	4.8-5.1	5.6	- Pup	17 16.5	-70 4	5.4-6.5	8.9	ι Aps
7 37.7	-38 12	4.8-5.8	4.9	d1 - d2 Pup	17 31.3	+55 12	4.8-4.9	1.0	24 ν1 - 25 ν2 Cra
7 45.4	-15 52	6.7-6.8	6.0	Pup	17 50.1	-34 53	5.6-5.9	2.8	Sco
7 47.2	-24 44	3.3-5.3	4.8	7 ξ Pup	18 24.6	-26 40	6.2-6.3	8.9	Sgr
7 48.0	-56 17	5.5-6.2	7.5	Car	18 26.3	-14 36	4.7-6.0	1.3	γ Sct
7 58.8	-48 51	6.0-6.2	7.0	Pup	18 42.7	+39 36	4.5-4.7	3.5	4 ε1 - 5 ε2 Lyr
8 12.1	-36 11	5.1 6.1	1.1	Pup	18 48.7	-46 39	5.5-6.3	5.6	Tel
8 20.0	-71 21	5.3-5.6	1.1	ϰ1 - ϰ2 Vol	18 53.9	+18 2	5.6-6.4	6.8	Her
8 37.6	+19 44	6.3-6.4	7.2	41 ε Cnc	19 0.1	-19 19	6.0-6.3	8.6	Sgr
8 38.9	-52 45	3.6-5.2	8.5	o Vel	19 26.6	+24 34	4.5-5.8	6.9	6 α - 8 Vul
8 41.0	-52 56	4.8-5.5	1.3	Vel	19 37.0	-23 33	6.1-6.2	4.0	53 Sgr
8 44.3	-45 51	3.9-5.5	9.2	Vel	19 59.9	+24 48	5.2-5.7	8.1	16 Vul
8 49.6	+28 31	5.9-6.1	4.9	53 - 55 ρ1 Cnc	20 12.1	+46 35	3.7-4.9	5.6	30 - 31 Cyg
9 29.5	-10 8	6.1-6.1	11.7	Hya	20 15.3	-12 42	3.6-4.2	6.3	5 α1 - 6 α2 Cap
9 32.3	+40 11	6.6-7.1	2.0	Lyn	20 18.0	-14 56	3.1-6.2	3.4	9 β Cap
9 37.9	-10 33	6.2-6.3	13.4	37 Hya	20 21.0	+40 52	5.9-6.3	7.2	Cyg
10 11.6	-40 6	5.9-6.3	2.9	Ant	20 26.0	-17 59	4.8-6.8	4.1	11 ρ Cap
10 13.9	+23 40	3.4-5.9	5.3	35 - 36 ζ Leo	20 35.5	+31 24	6.2-6.4	3.0	48 Cyg
10 18.2	-47 27	5.6-6.4	9.7	Vel	20 37.3	+15 44	3.8-5.9	9.0	8 α Del
10 21.6	+ 2 37	6.3-6.4	3.5	Sex	20 58.8	-43 12	6.6-7.0	1.0	Mic
10 23.4	-73 47	4.0-6.2	3.8	I Car	20 59.8	-38 50	5.4-5.9	8.7	ζ Mic
10 41.2	-64 8	2.8-4.8	6.4	ϑ Car	21 7.9	+ 9 56	4.6-6.0	5.8	5 γ - 6 Equ
10 42.8	-70 36	6.3-6.5	1.1	Car	21 8.8	+47 29	6.4-7.2	2.3	Cyg
10 45.6	-64 7	4.8-5.2	7.6	Car	21 41.1	+40 56	5.4-5.5	9.5	77 Cyg
10 45.3	-80 17	4.4-5.5	4.4	δ1 - δ2 Cha	22 4.0	+44 46	5.1-6.4	6.2	Lac
10 49.5	+52 47	6.4-6.6	3.7	UMa	22 7.8	+32 56	4.3-5.6	9.5	27 - 29 π Peg
11 29.4	-59 11	5.1-5.2	4.4	o1 - o2 Cen	22 20.1	-46 11	5.6-6.6	4.2	π Gru
11 52.5	+46 45	6.5-6.8	1.1	65 UMa	22 29.5	+78 34	5.5-5.8	9.5	28 - 29 ρ Cep
12 5.8	-50 27	2.9-4.5	4.5	δ Cen	22 53.1	-31 54	6.1-6.5	7.8	PsA
12 18.0	-21 56	5.3-6.0	5.0	5 ζ Crv	23 24.4	+ 0 59	5.0-6.3	9.3	8 ϰ - 9 Psc
12 19.3	-67 15	5.1-6.4	9.7	ζ1 - ζ2 Mus	23 27.7	+58 16	4.8-6.5	1.3	AR Cas
12 23.8	-62 49	1.0-5.1	1.5	α Cru	23 52.7	-32 12	6.1-6.8	2.2	Scl

СПИСОК СКОПЛЕНИЙ И ТУМАННОСТЕЙ

α	δ	dim	mag	t	M	NGC	const
0h23.m9	-72°21'	23'	4.0	G		104	47 Tuc
0 40.0	+41 0	160x40	3.4	S	31	224	And 1)
0 45.1	-25 34	22x 6	7.0	S		253	Scl
1 29.9	+60 27	5	6.5	O	103	581	Cas
1 31.1	+30 24	60x40	5.8	S	33	598	Tri 2)
1 54.7	+37 25	45	6.2	O		752	And
2 15.5	+56 55	30	4.0	O		869	h Per 3)
2 18.9	+56 53	30	3.9	O		884	χ Per 3)
2 28.9	+61 14	20	6.5	O	IC	1805	Cas
2 38.8	+42 34	30	5.5	O		1039	Per
4 3.4	+62 12	7	5.4	O		1502	Cam
4 11.4	+51 7	25	6.2	O		1528	Per
4 43.2	+18 59	40	6.0	O		1647	Tau
5 0.6	+23 44	45	5.8	O		1746	Tau
5 12.4	-40 6	5	7.0	G		1851	Col
5 25.3	+35 48	18	6.5	O	38	1912	Aur
5 31.5	+21 59	6x 4	7.5	P	1	1952	Tau 4)
5 32.8	- 5 25	66x60	3	N	42	1976	Ori 5)
5 33.0	+34 7	16	6.5	O	36	1960	Aur
5 49.0	+32 33	24	5.8	O	37	2099	Aur
6 5,7	+24 20	30	5.3	O	35	2168	Gem
6 29.7	+ 4 54	30	6.0	O		2244	Mon
6 43.9	-20 42	30	4.6	O	41	2287	CMa
6 45.9	+41 7	15	6.5	O		2281	Aur
6 49.1	+ 0 31	15	5.8	O		2301	Mon
7 0.5	- 8 16	10	6.5	O	50	2323	Mon
7 16.0	-24 52	6	4.4	O		2362	CMa
7 34.3	-14 22	25	6.0	O	47	2422	Pup
7 34.8	-13 45	20	6.5	O		2423	Pup
7 39.5	-14 42	24	6.0	O	46	2437	Pup
7 42.4	-23 45	25	6.0	O	93	2447	Pup
7 43.5	-37 51	40	3.6	O		2451	c Pup
7 50.5	-38 25	25	5.5	O		2477	b Pup
7 57.5	-60 44	60	3.0	O		2516	Car
8 9.2	-49 7	15	4.6	O		2547	Vel
8 11.3	- 5 39	30	5.3	O	48	2548	Hya
8 27.5	+19 56	90	3.7	O	44	2632	Cnc 6)
8 38.9	-52 45	30	2.6	O	IC	2391	Vel
8 41.6	-48 0	10	6.0	O	IC	2395	Vel
8 44.8	-52 36	7	6.0	O		H 3	Vel
8 48.5	+12 0	15	6.1	O	67	2682	Cnc
9 51.5	+69 18	16x10	7.0	S	81	3031	UMa 7)
9 51.9	+69 56	7x 2	8.4	S	82	3034	UMa 8)
10 1.1	-59 53	30	4.0	O		3114	Car
10 19.7	-51 28	30	6.0	O		3228	Vel
10 22.4	-18 23	1	7.0	P		3242	Hya
10 43.1	-59 25	80	-	ON		3372	Car
11 4.4	-58 24	60	3.2	O		3532	Car
11 33.8	-61 19	10	6.5	O		3766	Cen
12 50.7	-60 5	10	6.0	O		4755	Cru
13 22.4	-42 45	10x 8	6.0	S		5128	Cen
13 23.8	-47 13	23	3.6	G		5139	Cen
13 27.8	+47 27	2x 2	8.4	S	51	5194	CVn 9)
13 34.3	-29 37	9	7.0	S	83	5236	Hya
13 39.9	+28 38	10	6.4	G	3	5272	CVn
14 4.5	-48 5	30	5.8	O		5460	Cen
15 1.6	-54 9	40	6.0	O		5822	Lup
15 16.0	+ 2 16	60	6.0	G	5	5904	Ser
15 59.5	-60 22	10	5.7	O		6025	TrA
16 9.1	-54 5	15	6.2	O		6067	Nor

СПИСОК СКОПЛЕНИЙ И ТУМАННОСТЕЙ

α	δ	dim	mag	t	M	NGC	const	α	δ	dim	mag	t	M	NGC	const
$16^h\ 14.1^m$	$-22^\circ\ 52'$	3'	7.3	G	80	6093	Sco	$18^h\ 1.^m7$	$-22^\circ 30'$	10'	6.5	O	21	6531	Sgr
16 14.5	-54 52	30	6.3	O		H 10	Nor	18 4.4	-43 44	6	7.0	G		6541	CrA
16 14.7	-57 47	20	5.8	O		6087	Nor	18 15.5	-18 27	12	6	ON	24	6603	Sgr
16 20.6	-26 24	14	5.9	G	4	6121	Sco	18 16.0	-13 48	25	6.4	O	16	6611	Ser
16 22.2	-40 33	25	6.0	O		6124	Sco	18 18.0	-16 12	40	6.3	N	17	6618	Sgr 11)
16 37.6	-48 40	20	5.0	O		6153	Ara	18 21.5	-24 54	5	6.9	G	28	6626	Sgr
16 39.9	+36 33	10	5.8	G	13	6205	Her	18 25.1	+ 6 32	20	5.0	O		6633	Oph
16 44.6	- 1 52	9	6.5	G	12	6218	Oph	18 33.3	-23 57	17	5.1	G	22	6656	Sgr
16 50.6	-41 43	15	6.0	O		6231	Sco	18 48.4	- 6 20	10	6.3	O	11	6705	Sct
16 52.7	-40 38	40	6.0	O		H 12	Sco	18 51.7	+32 58	2	9	P	57	6720	Lyr 12)
16 54.5	- 4 2	8	6.5	G	10	6254	Oph	18 56.2	-36 42	6	6.5	G		6723	Sgr
16 58.0	-30 2	4	6.5	G	62	6266	Oph	19 6.4	-60 4	13	6.0	G		6752	Pav
16 59.5	-26 12	4	6.9	G	19	6273	Oph	19 36.9	-31 4	10	6.3	G	55	6809	Sgr
17 15.6	+43 12	8	6.2	G	92	6341	Her	19 57.4	+22 35	8 x 4	7.0	P	27	6853	Vul 13)
17 36.8	-32 11	25	5.3	O	6	6405	Sco	20 32.5	+28 8	20	6.2	O		6940	Vul
17 43.5	+ 5 44	60	6.0	O	IC	4665	Oph	21 27.6	+11 57	7	6.2	G	15	7078	Peg
17 50.7	-34 48	60	6.0	O	7	6475	Sco	21 30.4	+48 13	30	5.2	O	39	7092	Cyg
17 54.0	-19 1	25	5.5	O	23	6494	Sgr	21 30.9	- 1 3	8	6.5	G	2	7089	Aqr
17 59.4	-23 2	28	6.4	N	20	6514	Sgr 10)	21 37.5	-23 25	6	7.4	G	30	7099	Cap
18 0.4	-24 22	10	6.3	N	8	6530	9 Sgr	22 27.0	-21 6	15	6.2	P		7293	Aqr

ПРИМЕЧАНИЯ

1) Б. туманность Андромеды
2) Спиральная туманность в Треугольнике
3) Двойное скопление в Персее
4) Крабовидная туманность
5) Б. туманность Ориона
6) "Ясли" - Praesepe
7) Спиральная туманность в Б.Медведице
8) "Взрывающаяся" галактика
9) Спиральная туманность в Гончих Псах
10) "Тройная" туманность - Trifid
11) Туманность "Омега"
12) Кольцевая туманность в Лире
13) Туманность "Dumbbell"

ТАБЛИЦА ПРЕЦЕССИИ ЗА 100 ЛЕТ

ПО ПРЯМОМУ ВОСХОЖДЕНИЮ

α / δ	h m 0 0 12 0	h m 0 20 11 40	h m 0 40 11 20	h m 1 0 11 0	h m 1 20 10 40	h m 1 40 10 20	h m 2 0 10 0	h m 2 20 9 40	h m 2 40 9 20	h m 3 0 9 0	h m 3 20 8 40	h m 3 40 8 20	h m 4 0 8 0	h m 4 20 7 40	h m 4 40 7 20	h m 5 0 7 0	h m 5 20 6 40	h m 5 40 6 20	h m 6 0 6 0	
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
+80°	5.1	6.2	7.3	8.4	9.4	10.5	11.4	12.4	13.2	14.1	14.8	15.5	16.1	16.6	17.0	17.3	17.6	17.7	17.8	−80°
78	5.1	6.0	6.9	7.8	8.7	9.6	10.4	11.1	11.9	12.5	13.1	13.7	14.2	14.6	15.0	15.2	15.4	15.6	15.6	78
76	5.1	5.9	6.7	7.4	8.2	8.9	9.6	10.2	10.9	11.4	12.0	12.4	12.9	13.2	13.5	13.7	13.9	14.0	14.1	76
74	5.1	5.8	6.5	7.1	7.8	8.4	9.0	9.6	10.1	10.6	11.1	11.5	11.8	12.2	12.4	12.6	12.8	12.9	12.9	74
72	5.1	5.7	6.3	6.9	7.5	8.0	8.5	9.1	9.5	10.0	10.4	10.7	11.1	11.3	11.6	11.7	11.9	12.0	12.0	72
+70	5.1	5.7	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.4	9.8	10.1	10.4	10.7	10.9	11.0	11.1	11.2	11.2	−70
68	5.1	5.6	6.1	6.5	7.0	7.5	7.9	8.3	8.7	9.0	9.3	9.6	9.9	10.1	10.3	10.4	10.5	10.6	10.6	68
66	5.1	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.3	8.7	9.0	9.2	9.5	9.7	9.8	10.0	10.0	10.1	10.1	66
64	5.1	5.5	5.9	6.3	6.7	7.1	7.4	7.7	8.1	8.4	8.6	8.9	9.1	9.3	9.4	9.5	9.6	9.7	9.7	64
62	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1	8.3	8.6	8.8	8.9	9.1	9.2	9.2	9.3	9.3	62
+60	5.1	5.5	5.8	6.1	6.4	6.8	7.1	7.3	7.6	7.8	8.1	8.3	8.5	8.6	8.7	8.8	8.9	9.0	9.0	−60
55	5.1	5.4	5.7	5.9	6.2	6.5	6.7	6.9	7.2	7.4	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.3	8.3	55
50	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.8	50
45	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.3	7.3	45
40	5.1	5.3	5.4	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.0	7.0	40
+35	5.1	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	−35
30	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.4	30
25	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.1	6.2	6.2	25
20	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	20
15	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	15
+10	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	−10
5	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	− 5
0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	0
− 5	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.9	+ 5
10	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	+10
−15	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	+15
20	5.1	5.1	5.0	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.3	20
25	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.1	4.1	25
30	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.8	30
35	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.1	4.0	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.6	35
−40	5.1	5.0	4.8	4.6	4.5	4.3	4.2	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.4	3.3	3.3	3.3	3.3	+40
45	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.9	2.9	45
50	5.1	4.9	4.7	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.1	2.9	2.8	2.7	2.6	2.6	2.5	2.5	2.5	50
55	5.1	4.8	4.6	4.3	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.1	2.0	2.0	2.0	1.9	55
60	5.1	4.8	4.5	4.1	3.8	3.5	3.2	2.9	2.6	2.4	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.3	1.3	60
−62	5.1	4.8	4.4	4.0	3.7	3.4	3.0	2.7	2.4	2.2	1.9	1.7	1.5	1.3	1.2	1.1	1.0	0.9	0.9	+62
64	5.1	4.7	4.3	3.9	3.6	3.2	2.8	2.5	2.2	1.9	1.6	1.4	1.2	1.0	0.8	0.7	0.6	0.6	0.6	64
66	5.1	4.7	4.3	3.8	3.4	3.0	2.6	2.3	1.9	1.6	1.3	1.0	0.8	0.6	0.4	0.3	0.2	0.1	0.1	66
68	5.1	4.6	4.2	3.7	3.2	2.8	2.4	2.0	1.6	1.2	0.9	0.6	0.3	0.1	0.0	−0.2	−0.3	−0.4	−0.4	68
70	5.1	4.6	4.1	3.5	3.0	2.5	2.1	1.6	1.2	0.8	0.4	0.1	−0.2	−0.4	−0.6	−0.8	−0.9	−1.0	−1.0	70
−72	5.1	4.5	3.9	3.3	2.8	2.2	1.7	1.2	0.7	0.3	−0.1	−0.5	−0.8	−1.1	−1.3	−1.5	−1.6	−1.7	−1.7	+72
74	5.1	4.4	3.8	3.1	2.5	1.8	1.2	0.7	0.1	−0.4	−0.8	−1.2	−1.6	−1.9	−2.2	−2.4	−2.5	−2.6	−2.6	74
76	5.1	4.3	3.6	2.8	2.1	1.3	0.7	0.0	−0.6	−1.2	−1.7	−2.2	−2.6	−3.0	−3.3	−3.5	−3.7	−3.8	−3.8	76
78	5.1	4.2	3.3	2.4	1.5	0.7	−0.1	−0.9	−1.6	−2.3	−2.9	−3.5	−4.0	−4.4	−4.7	−5.0	−5.2	−5.3	−5.4	78
−80	5.1	4.0	2.9	1.9	0.8	−0.2	−1.2	−2.1	−3.0	−3.8	−4.6	−5.2	−5.8	−6.3	−6.7	−7.1	−7.3	−7.5	−7.5	80
	h m 12 0 24 0	h m 12 20 23 40	h m 12 40 23 20	h m 13 0 23 0	h m 13 20 22 40	h m 13 40 22 20	h m 14 0 22 0	h m 14 20 21 40	h m 14 40 21 20	h m 15 0 21 0	h m 15 20 20 40	h m 15 40 20 20	h m 16 0 20 0	h m 16 20 19 40	h m 16 40 19 20	h m 17 0 19 0	h m 17 20 18 40	h m 17 40 18 20	h m 18 0 18 0	δ α

Аргументы α и δ нужно брать слева и сверху или справа и снизу

ПО СКЛОНЕНИЮ

α	Δδ	α
h m	'	h m
0 0	+33	24 0
0 20	33	23 40
0 40	33	23 20
1 0	+32	23 0
1 20	31	22 40
1 40	30	22 20
2 0	+29	22 0
2 20	27	21 40
2 40	26	21 20
3 0	+24	21 0
3 20	21	20 40
3 40	19	20 20
4 0	+17	20 0
4 20	14	19 40
4 40	11	19 20
5 0	+ 9	19 0
5 20	6	18 40
5 40	3	18 20
6 0	0	18 0
6 20	− 3	17 40
6 40	6	17 20
7 0	− 9	17 0
7 20	11	16 40
7 40	14	16 20
8 0	−17	16 0
8 20	19	15 40
8 40	21	15 20
9 0	−24	15 0
9 20	26	14 40
9 40	27	14 20
10 0	−29	14 0
10 20	30	13 40
10 40	31	13 20
11 0	−32	13 0
11 20	33	12 40
11 40	33	12 20
12 0	−33	12 0
h m	'	h m
α	Δδ	α

ОГЛАВЛЕНИЕ

	Стр.
Объяснение к Атласу	3
Собственные имена звезд	5
Названия созвездий	6
Общий каталог звезд	7
Список переменных звезд	42
Список двойных звезд	43
Список близких между собой звезд	48
Список скоплений и туманностей	48
Таблица прецессии	50

Карты 1—20.

Михайлов Александр Александрович

АТЛАС ЗВЕЗДНОГО НЕБА

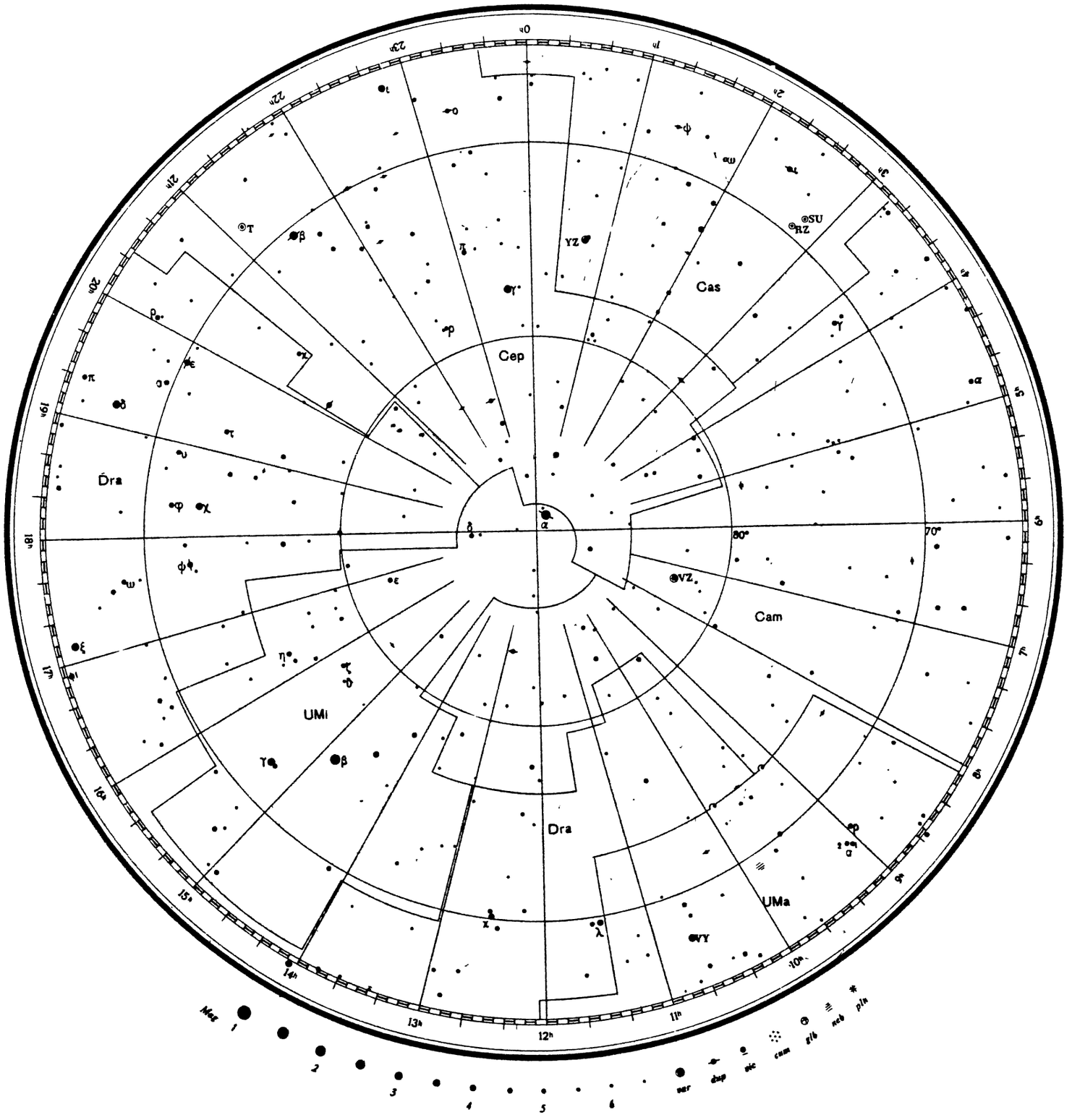
Объяснение и полный каталог
всех изображенных на картах звезд и объектов

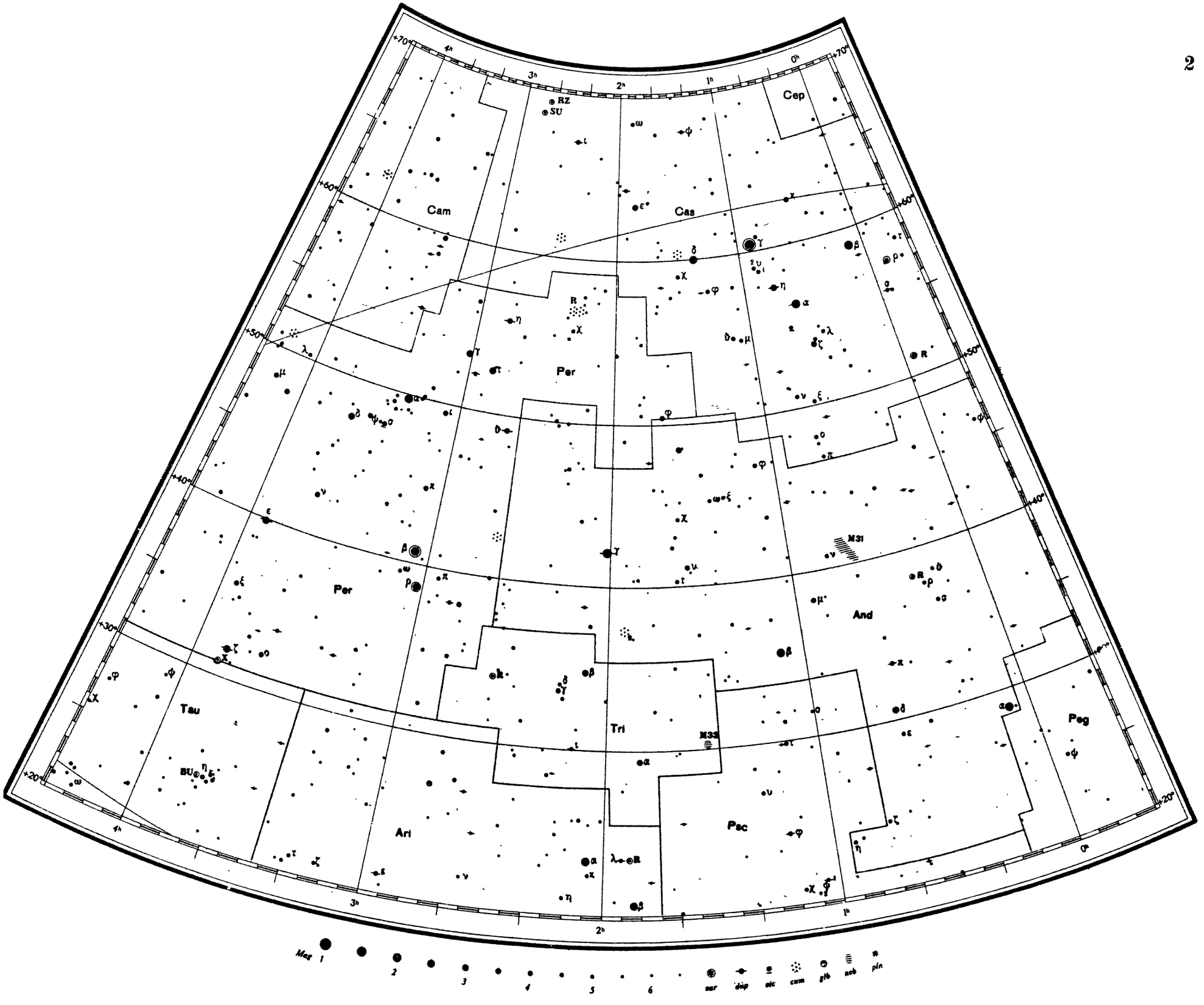
Утверждено к печати
Главной астрономической обсерваторией АН СССР

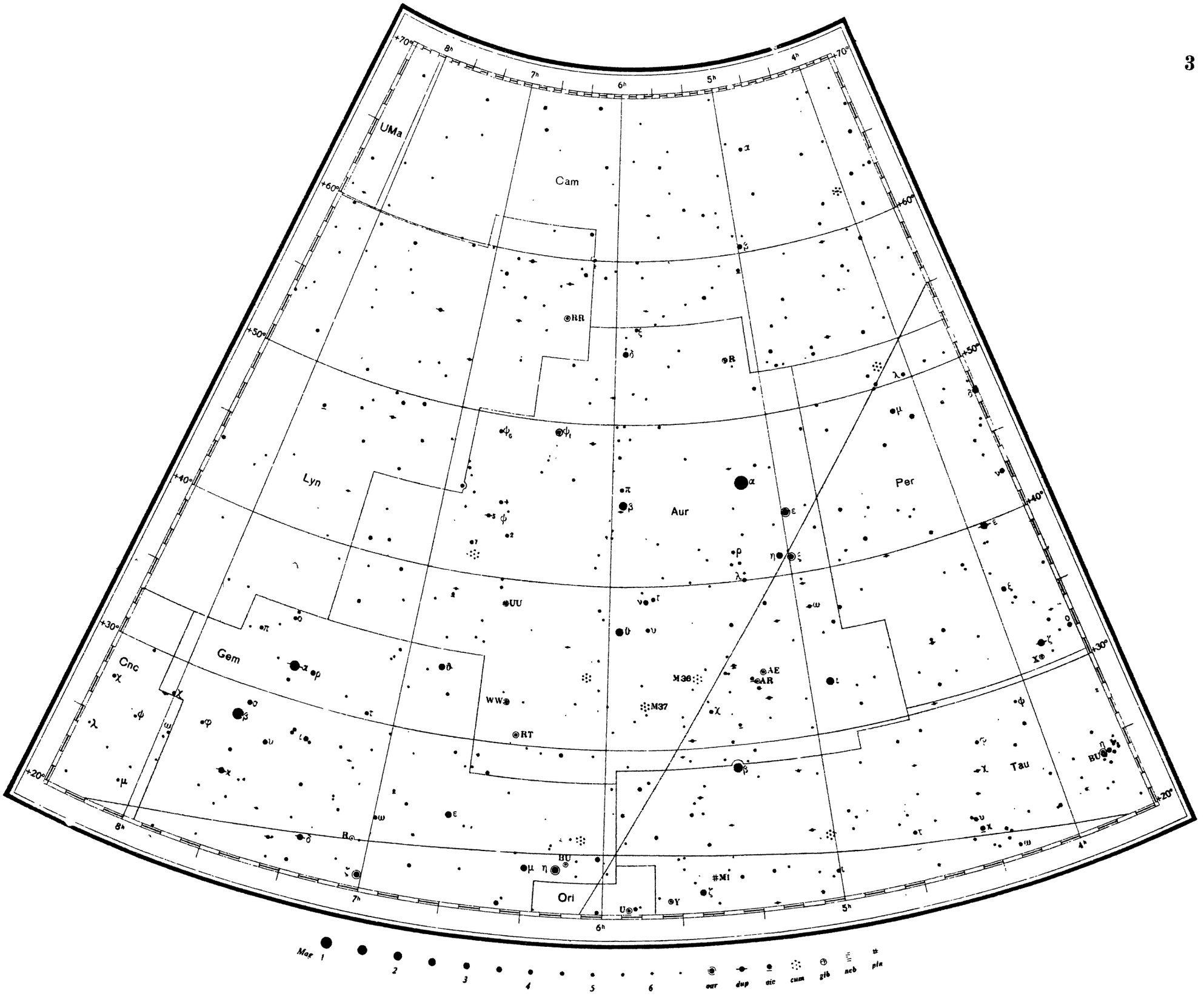
Сдано в производство и подписано к печати 13/XI 1973 г.
Формат бумаги 70 x 108 1/8. Бумага № 1. Печ. л. 6 1/2 =
= 9.10 усл. печ. л. Уч.-изд. л. 13.80. Изд. № 4732.
Тип. зак. № 1371. М - 05965. Тираж 15 500.
Цена атласа с приложением брошюры 1 р. 80 к.

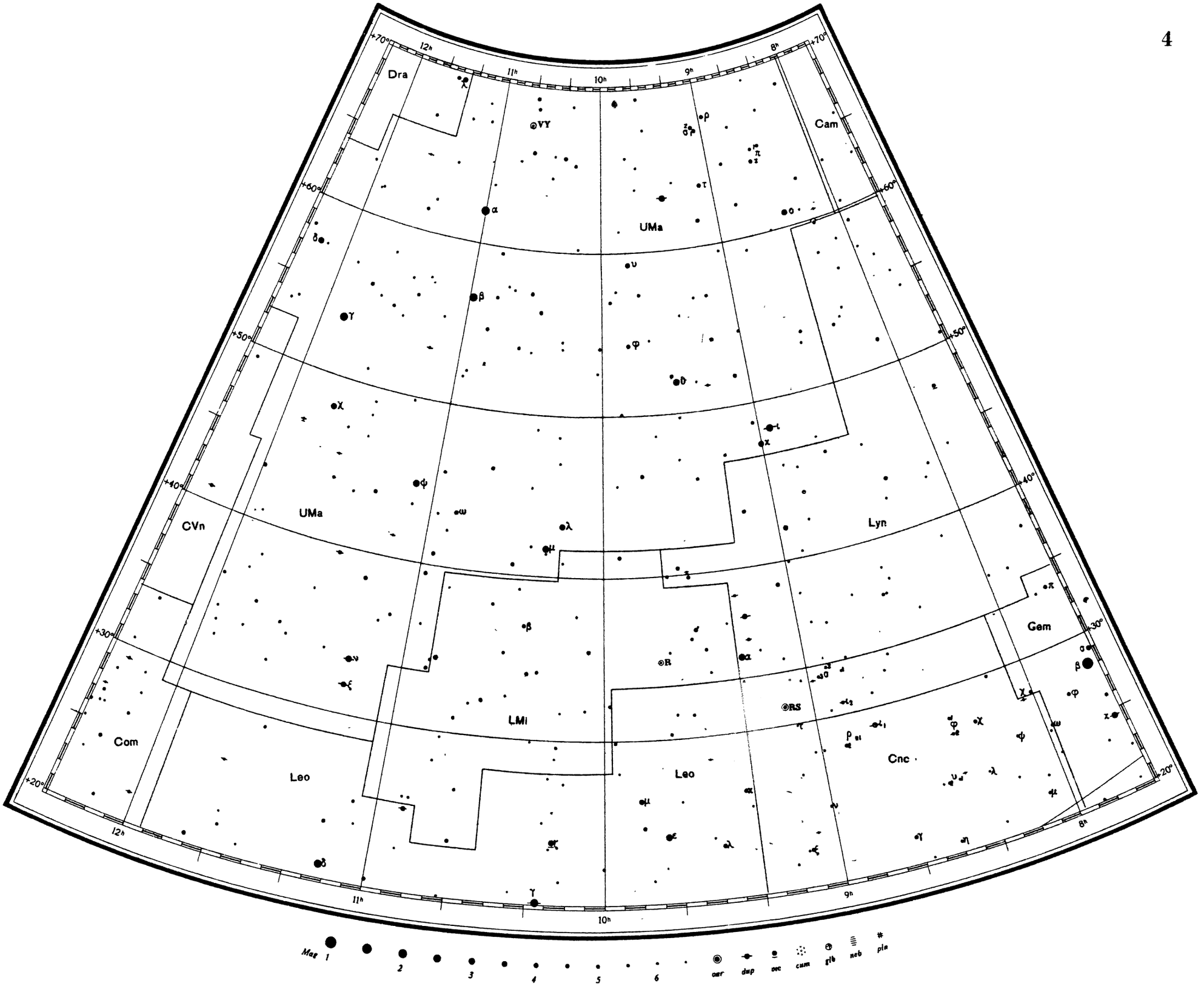
Ленинградское отделение издательства „Наука", 199164, Ленинград,
Менделеевская линия, дом 1.

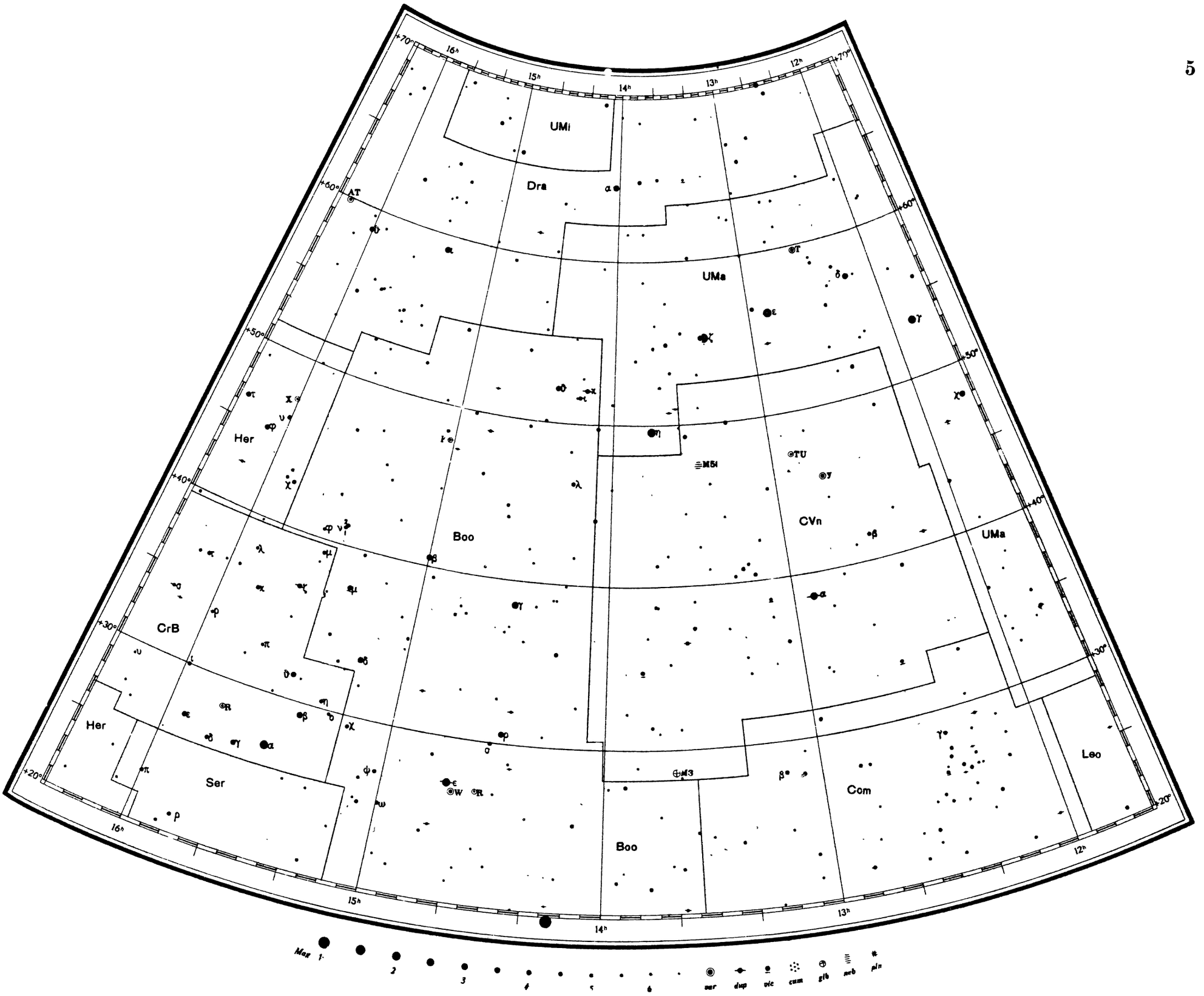
1-я тип. издательства „Наука" 199034, Ленинград, 9 линия, д.12

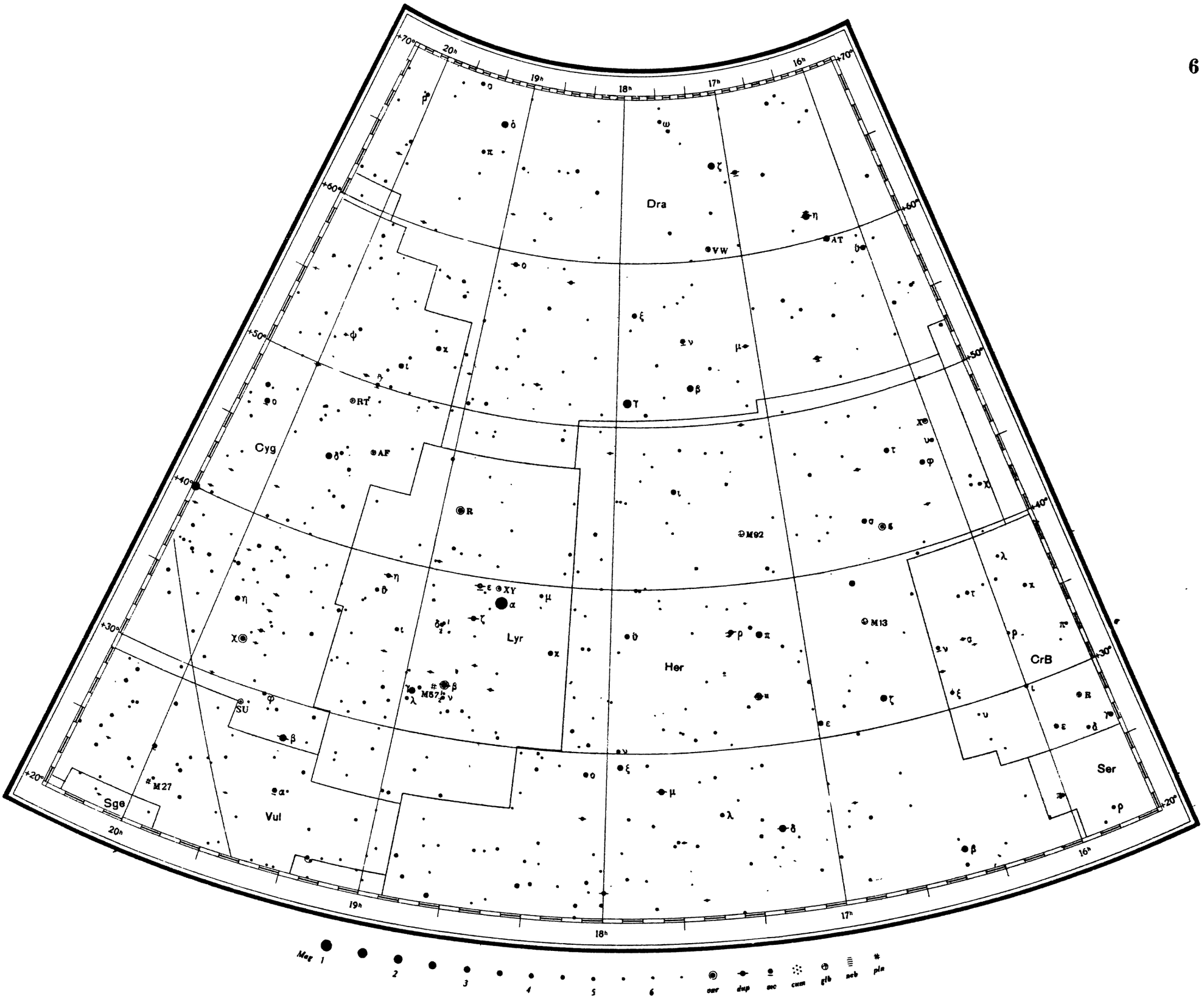

Cas
Cep
Dra
Cam
UMi
Dra
UMa
YZ
RZ
SU
VZ
VY
80°
70°
0h
1h
2h
3h
4h
5h
6h
7h
8h
9h
10h
11h
12h
13h
14h
15h
16h
17h
18h
19h
20h
21h
22h
23h
Mag
1
2
3
4
5
6
ner
dsp
asc
cam
glb
ncb
pln

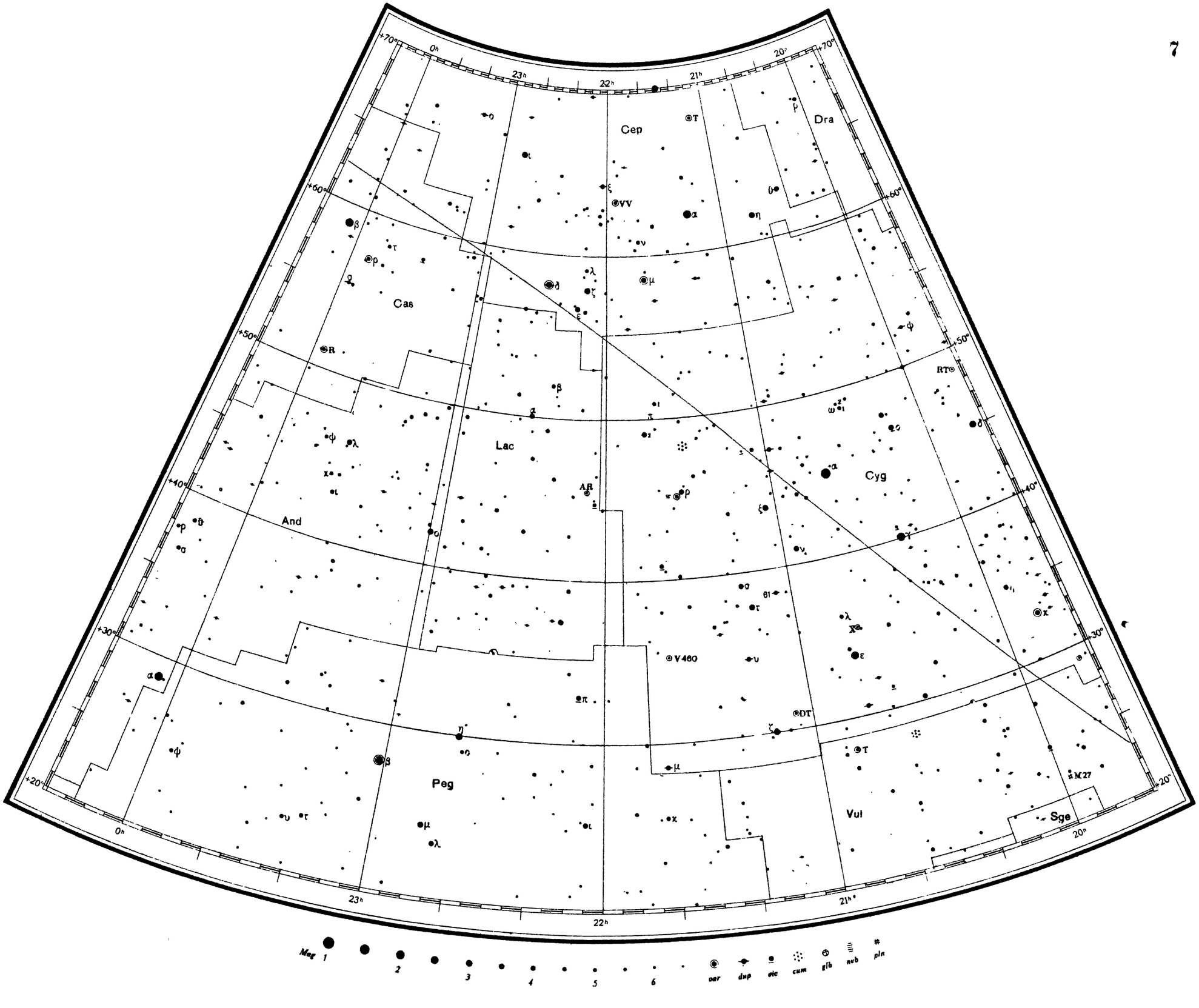

Cep
Cam
Cas
Per
Per
And
Tau
Tri
Ari
Psc
Peg
RZ
SU
R
M31
M33
BU
+70°
+60°
+50°
+40°
+30°
+20°
4h
3h
2h
1h
0h
Mag 1
2
3
4
5
6
star
disp
asc
cam
glb
neb
pln

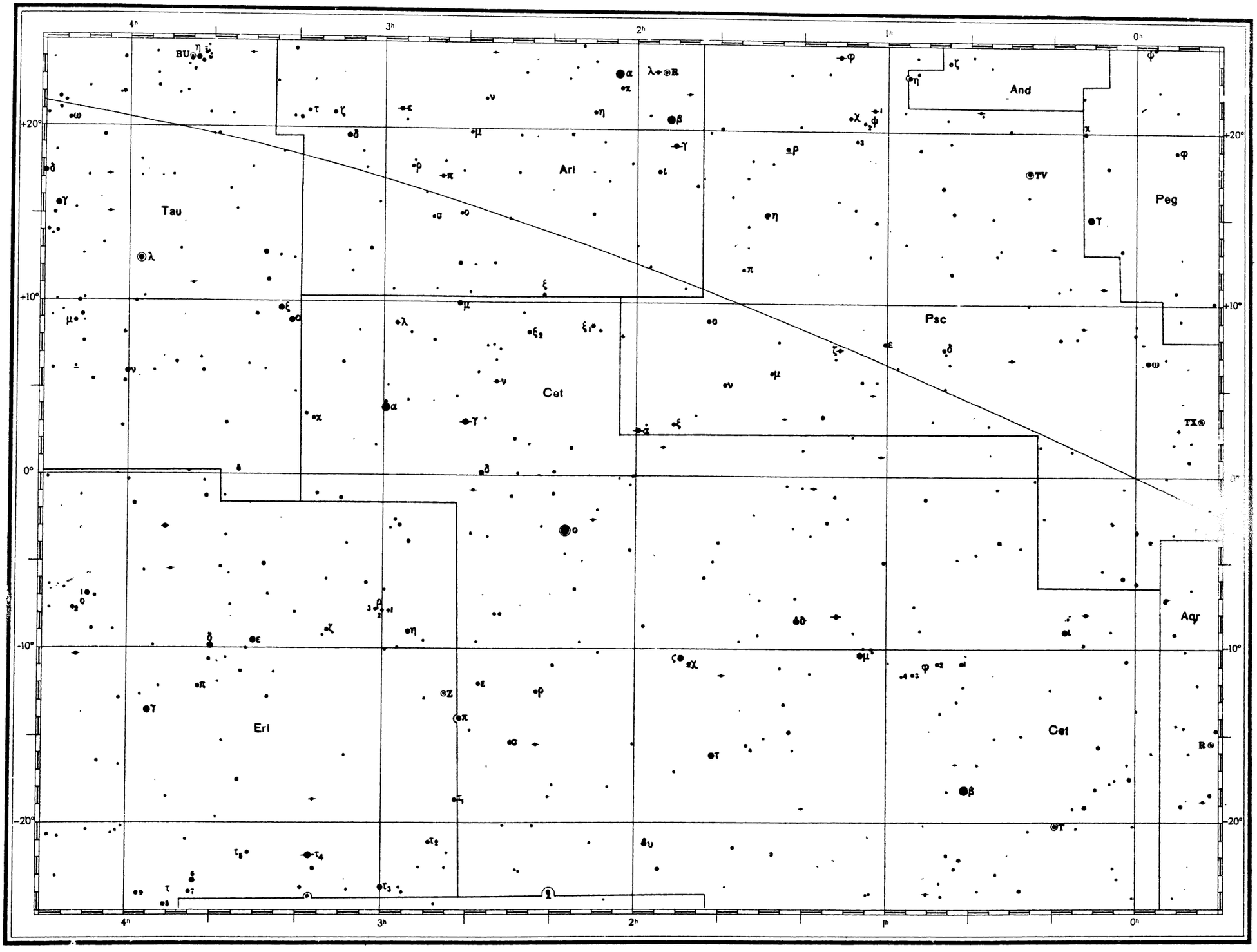

UMa
Cam
Lyn
Aur
Per
Gem
Cnc
Tau
Ori
RR
UU
RT
WW
AE
AR
M36
M37
M1
BU
+70°
+60°
+50°
+40°
+30°
+20°
8h
7h
6h
5h
4h
Mag 1
2
3
4
5
6
var
dup
clc
cum
glb
neb
pln

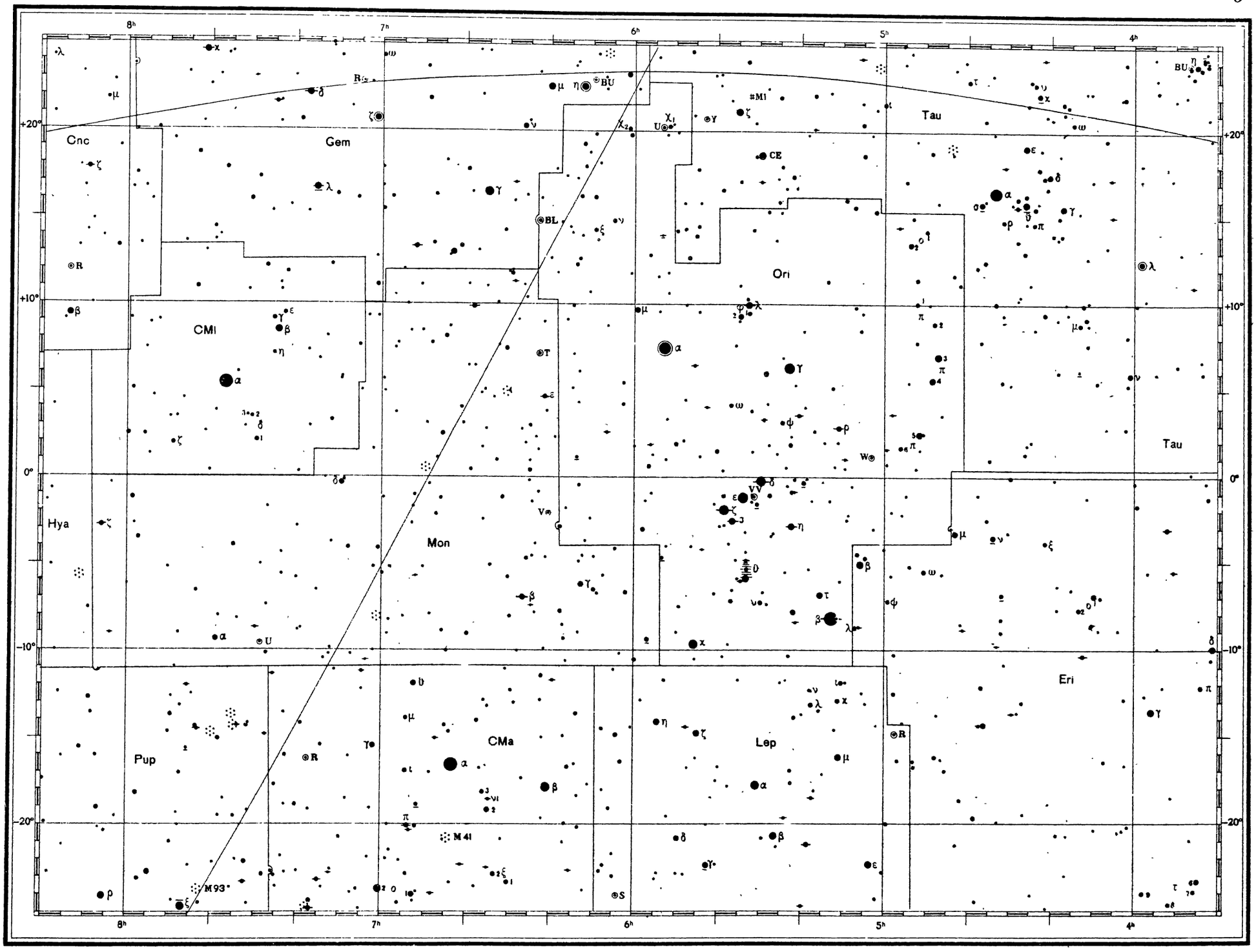

Dra
Cam
UMa
UMa
UMa
CVn
Lyn
Gem
Com
LMi
Leo
Leo
Cnc
VY
R
RS
+70°
+60°
+50°
+40°
+30°
+20°
12h
11h
10h
9h
8h
Mag 1
2
3
4
5
6
oer
dup
vec
cum
glb
neb
pla


UMi
Dra
UMa
Her
Boo
CVn
UMa
CrB
Her
Ser
Boo
Com
Leo
+70°
+60°
+50°
+40°
+30°
+20°
16h
15h
14h
13h
12h
Mag 1
2
3
4
5
6
var
dup
vic
cum
glb
neb
pln

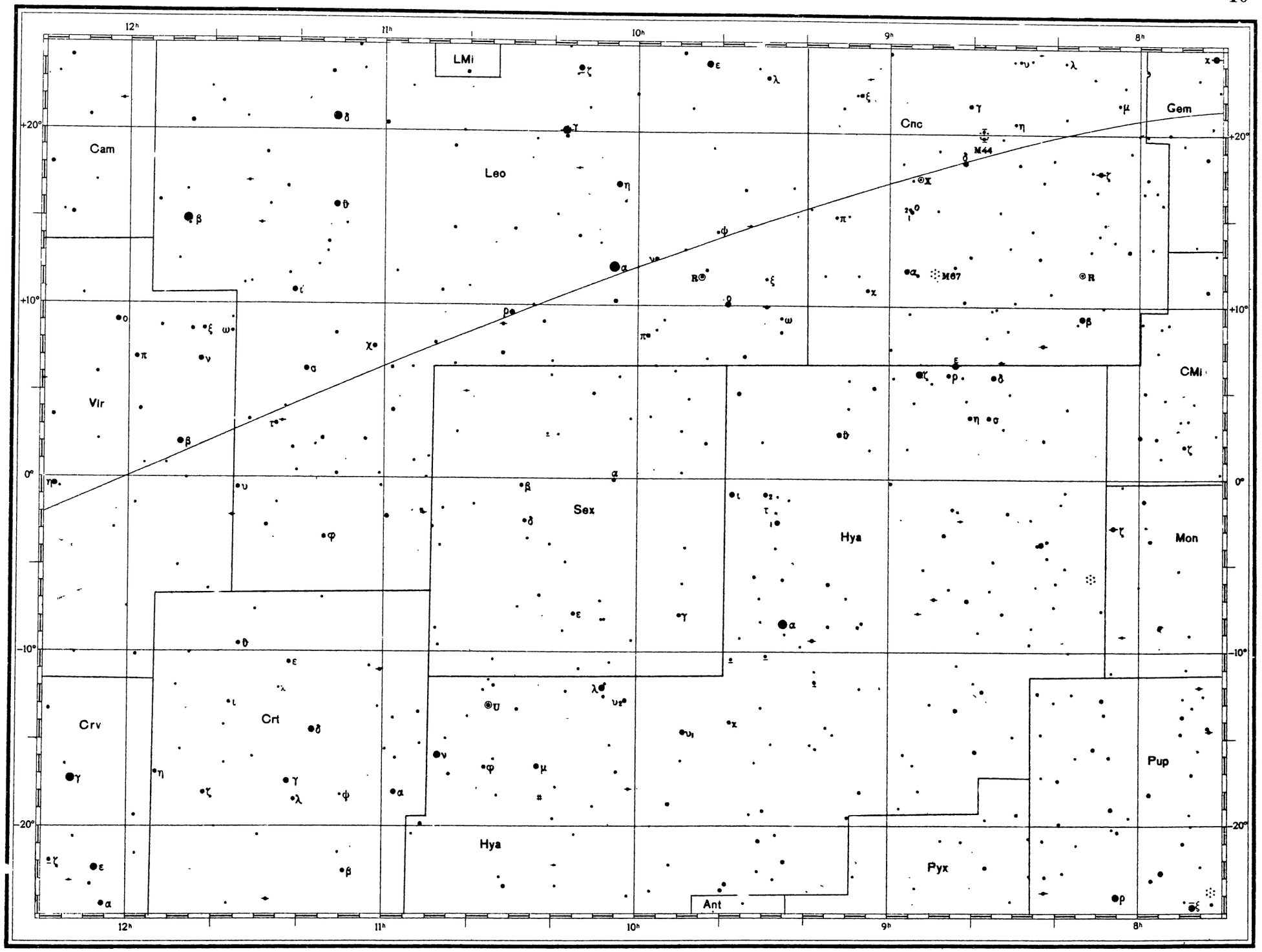

+70°
20h
19h
18h
17h
16h
+70°
+60°
+60°
+50°
+50°
+40°
+40°
+30°
+30°
+20°
+20°
Dra
Cyg
Lyr
Her
CrB
Ser
Sge
Vul
VW
AT
RT
AF
XY
SU
M27
M57
M92
M13
T
R
20h
19h
18h
17h
16h
Mag 1
2
3
4
5
6
star
dup
asc
cons
glb
neb
pln

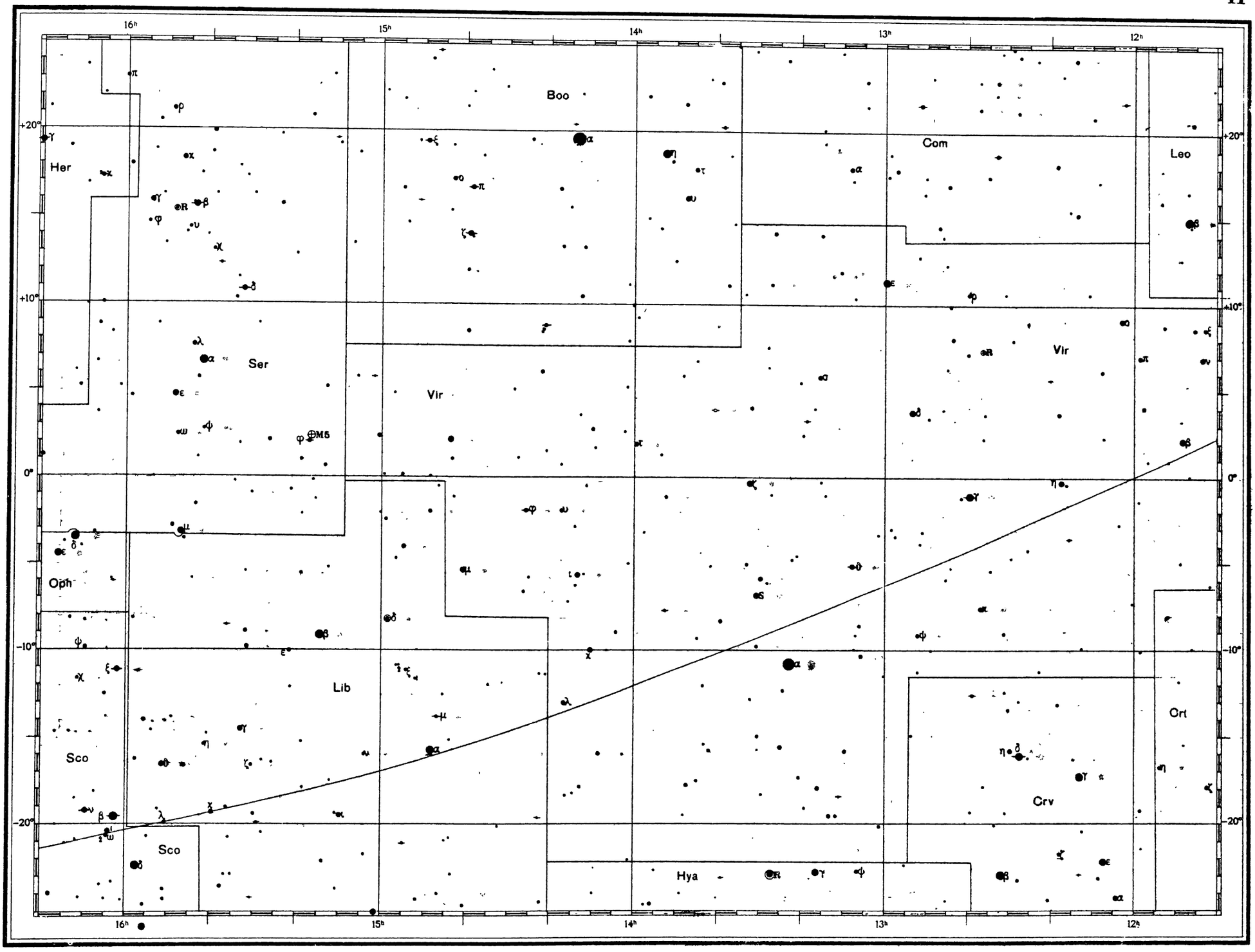

Cep
Dra
Cas
Lac
Cyg
And
Peg
Vul
Sge
VV
RT
AR
V460
DT
M27
+70°
+60°
+50°
+40°
+30°
+20°
0h
23h
22h
21h
20h

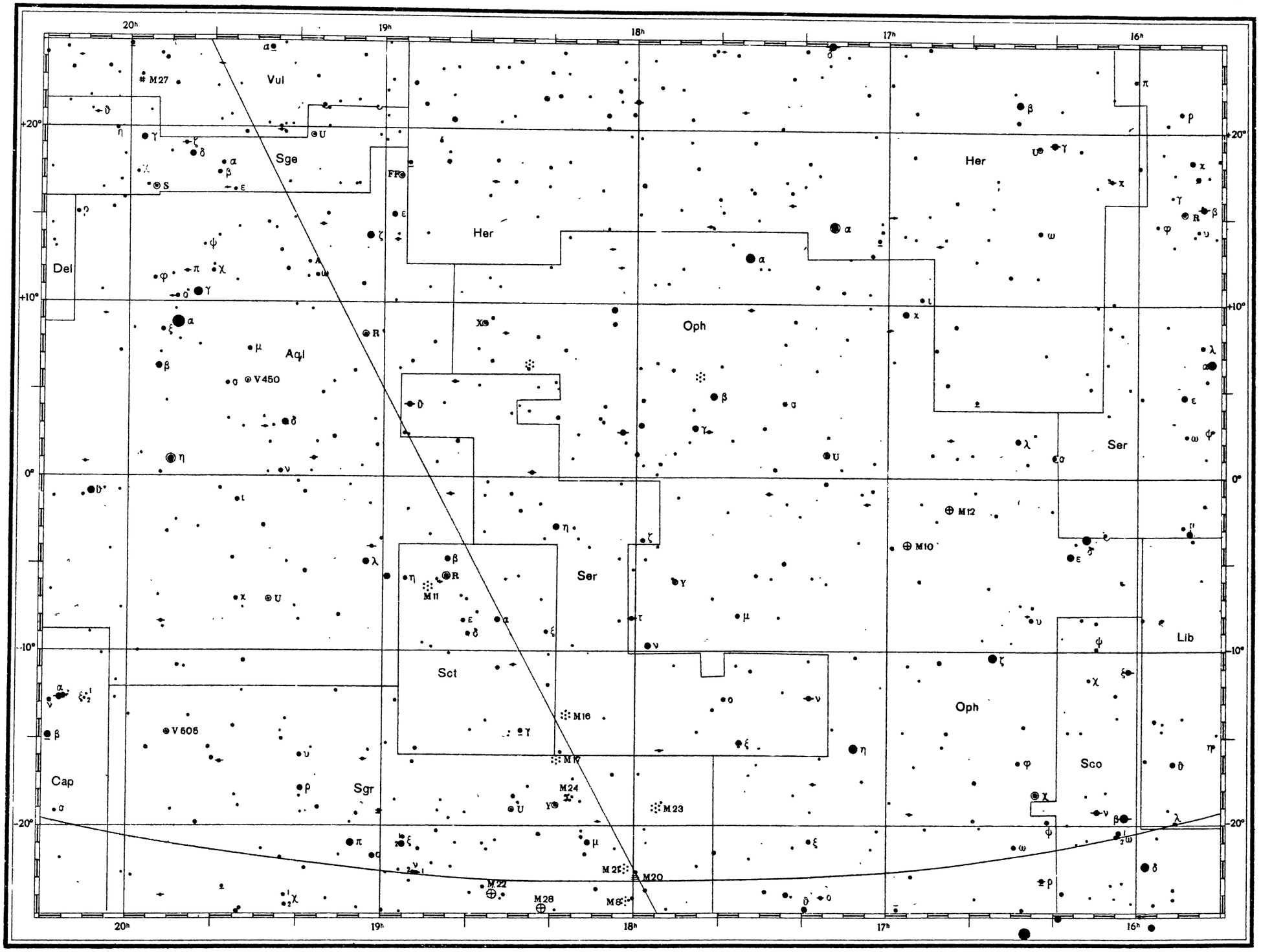

4h
3h
2h
1h
0h
+20°
+10°
0°
-10°
-20°
And
Ari
Tau
Peg
Psc
Cet
Eri
Aqr
Cet
BU
TV
TX
R
Mag
1
2
3
4
5
6
var
dup
vic
cum
glb
neb
pla

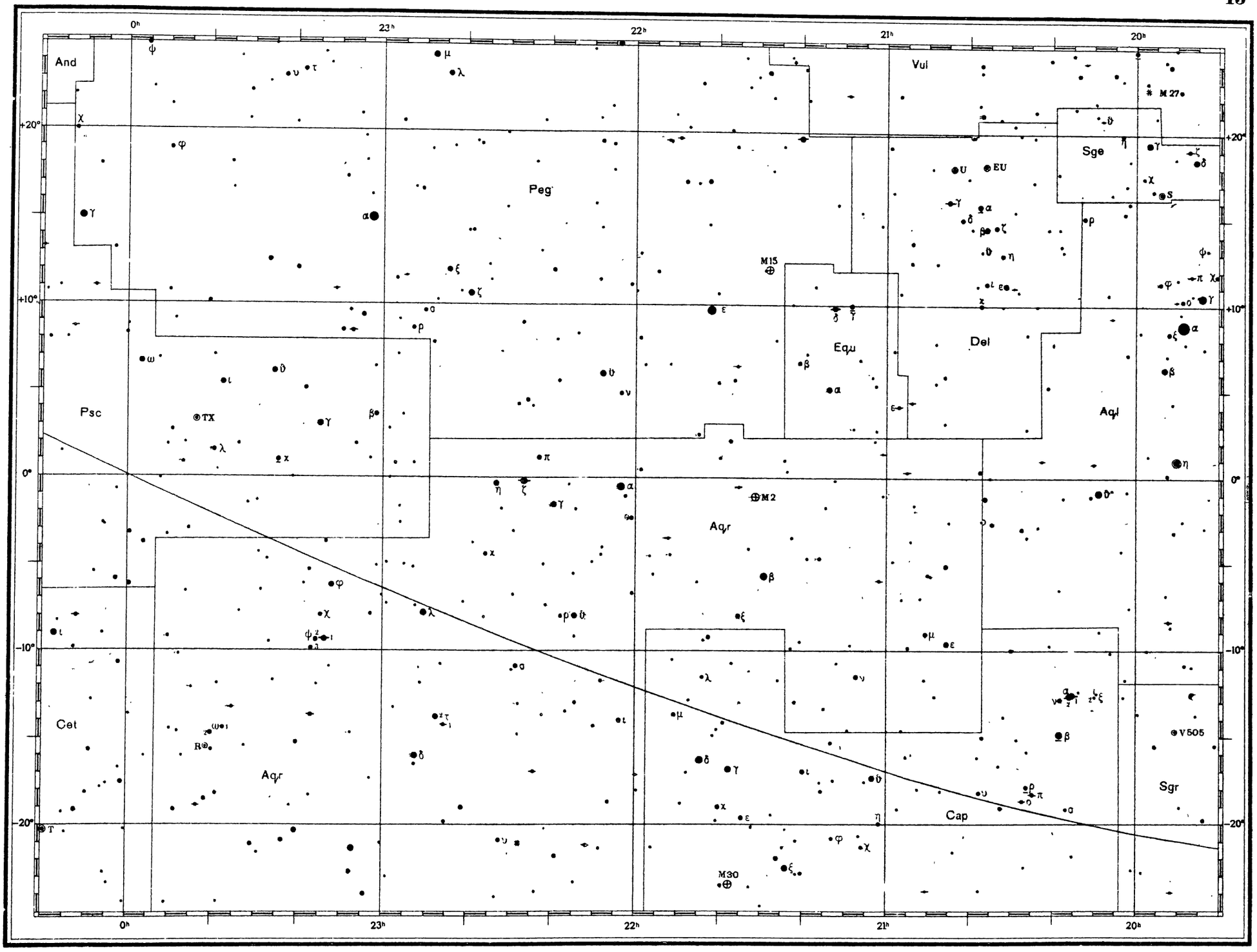


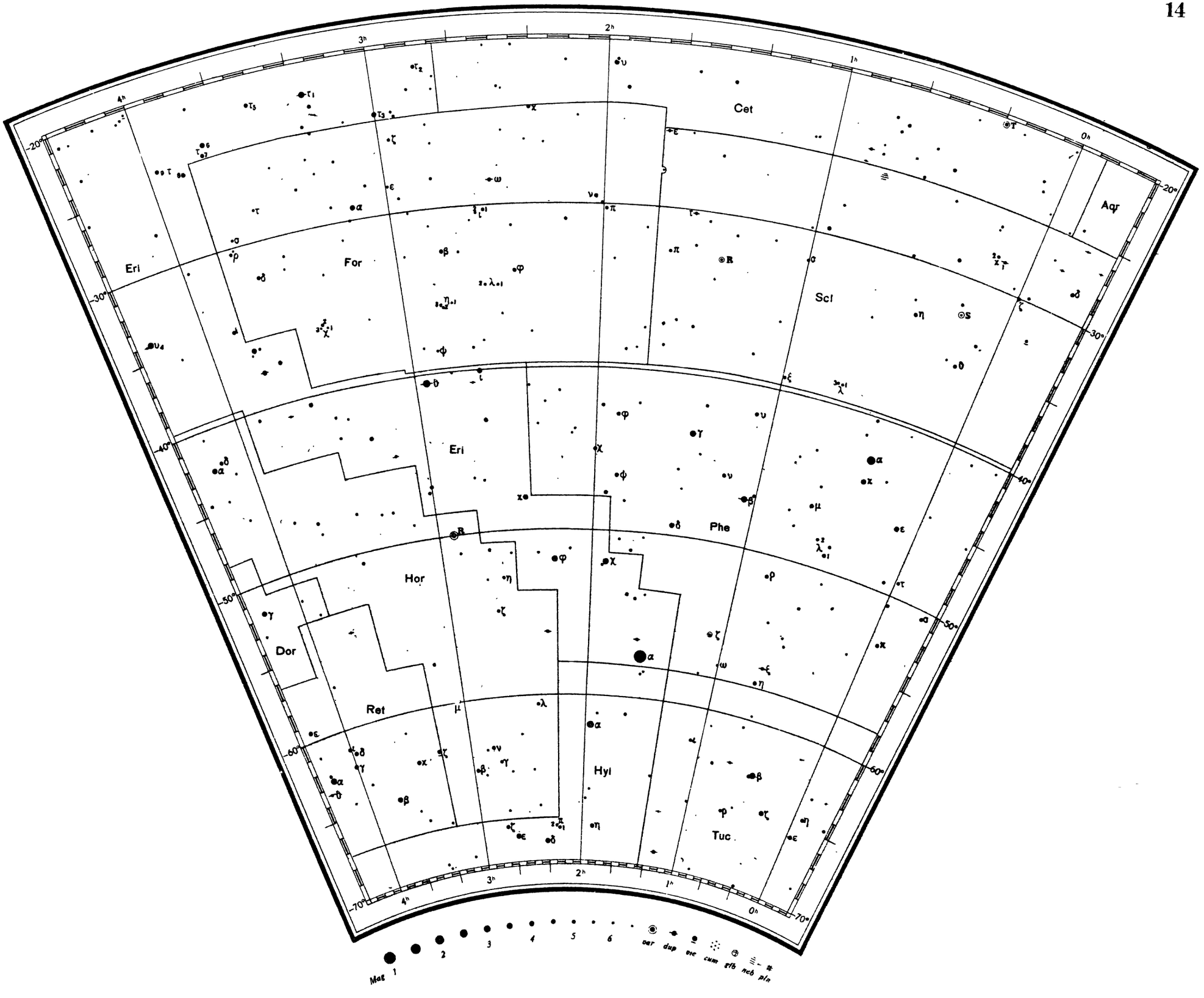
Mag 1 2 3 4 5 6 var dup uic cum gtb ncb pln

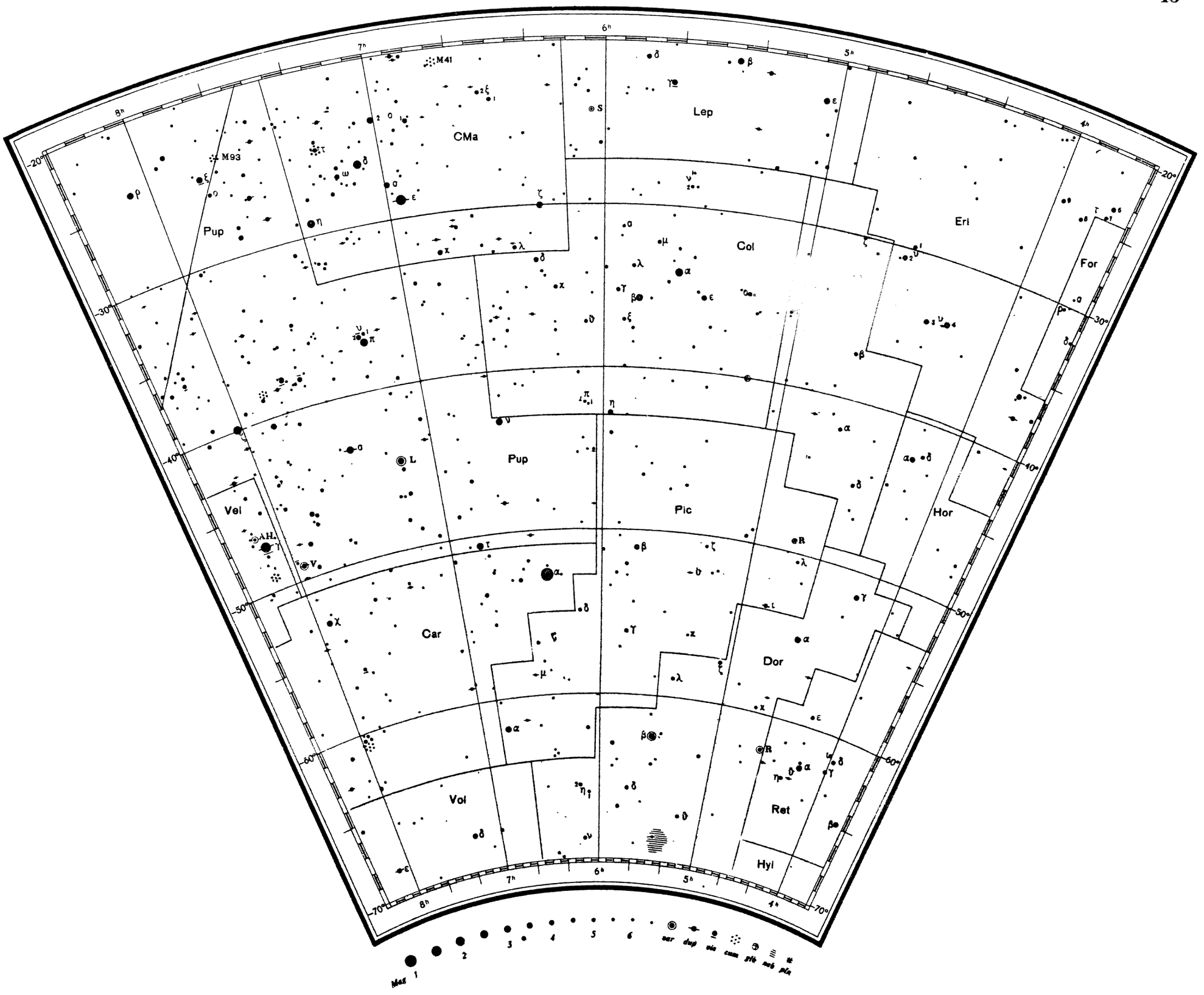

12h
11h
10h
9h
8h
+20°
+10°
0°
-10°
-20°
LMi
Cam
Leo
Cnc
Gem
M44
M67
Vir
CMi
Sex
Hya
Mon
Crv
Crt
Pup
Hya
Pyx
Ant
Mag 1 2 3 4 5 6
esr dup vic cum glb neb pln

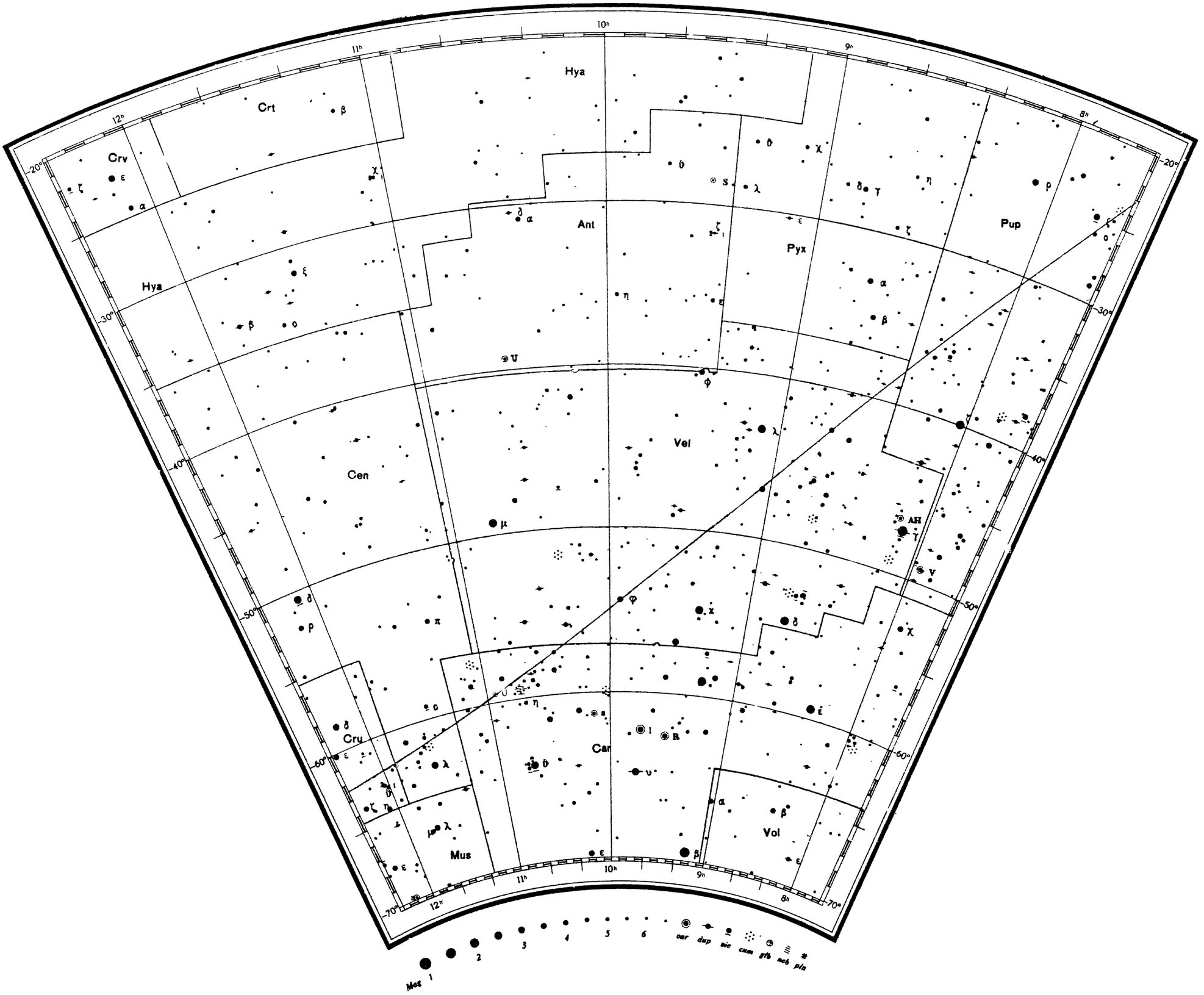

16h
15h
14h
13h
12h
+20°
+10°
0°
-10°
-20°
Boo
Her
Com
Leo
Ser
Vir
Oph
Lib
Sco
Crt
Crv
Hya
M5
Mag 1 2 3 4 5 6
oar dup vic cum glb hob pln

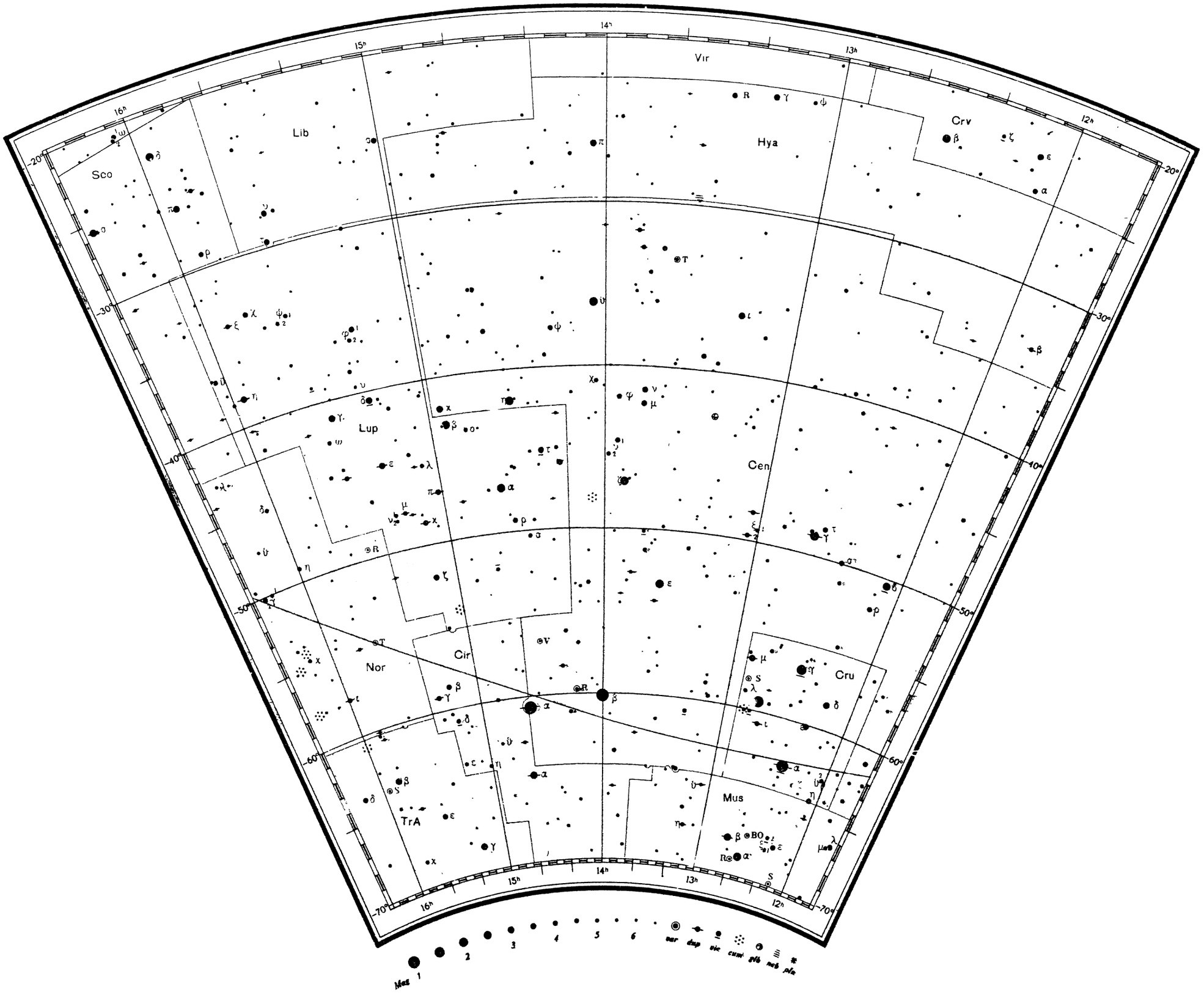

20h
19h
18h
17h
16h
+20°
+10°
0°
-10°
-20°
Vul
Sge
Del
Aql
Her
Oph
Ser
Sct
Sgr
Cap
Sco
Lib
M27
V450
V505
M11
M16
M17
M24
M23
M22
M28
M20
M12
M10
Mag 1 2 3 4 5 6 var dup vic cum glb neb pln

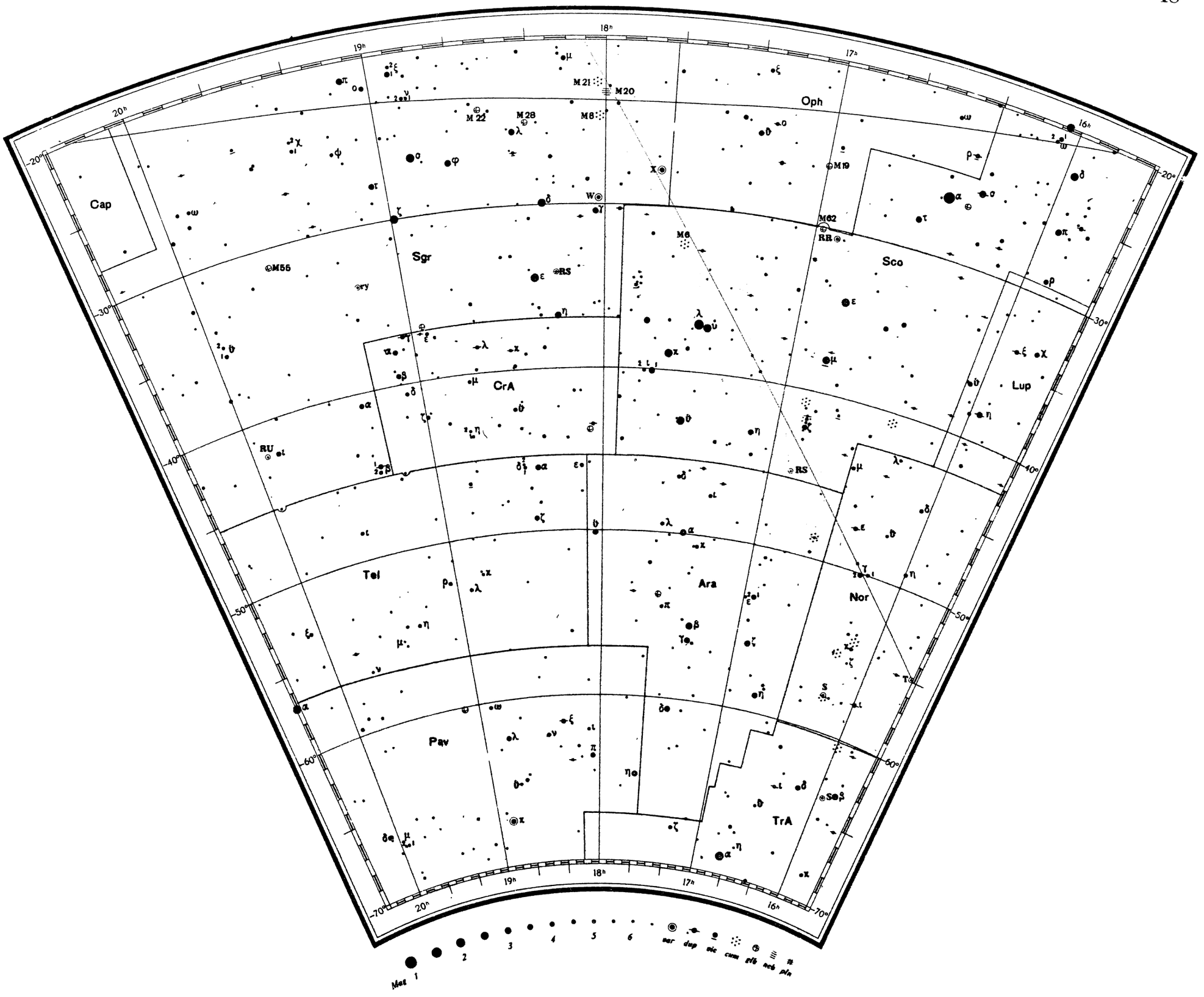

0h
23h
22h
21h
20h
+20°
+10°
0°
-10°
-20°
And
Peg
Psc
Cet
Aqr
Vul
Sge
Eqμ
Del
Aql
Cap
Sgr
M15
M2
M30
M27
V505
TX
U
EU
S
R
T
Mag
1
2
3
4
5
6
var
dup
obc
cum
glb
neb
pln

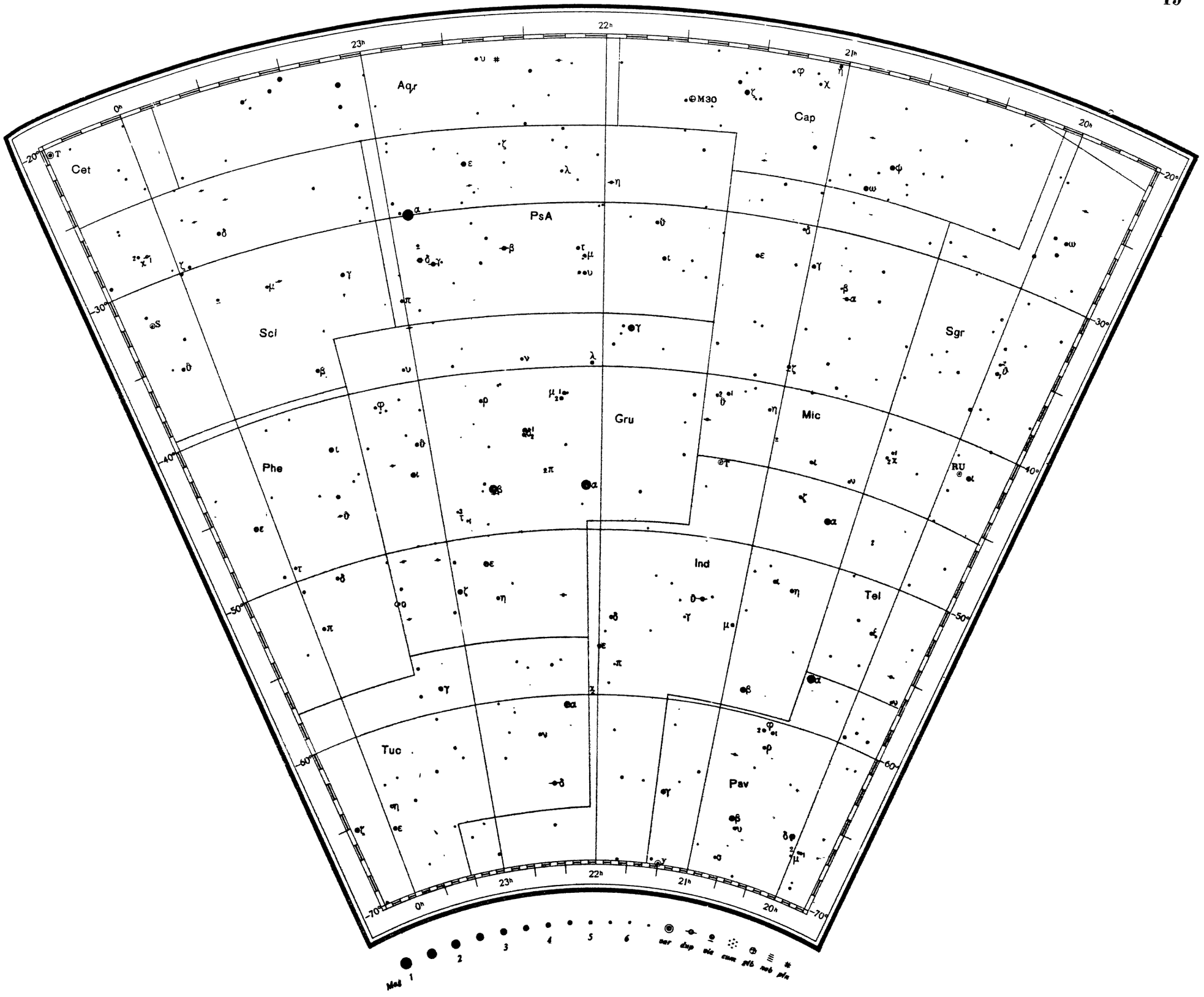

Cet
Aqr
Eri
For
Scl
Eri
Phe
Hor
Dor
Ret
Hyi
Tuc
Mag 1
2
3
4
5
6
var dup vie cum glb neb pla

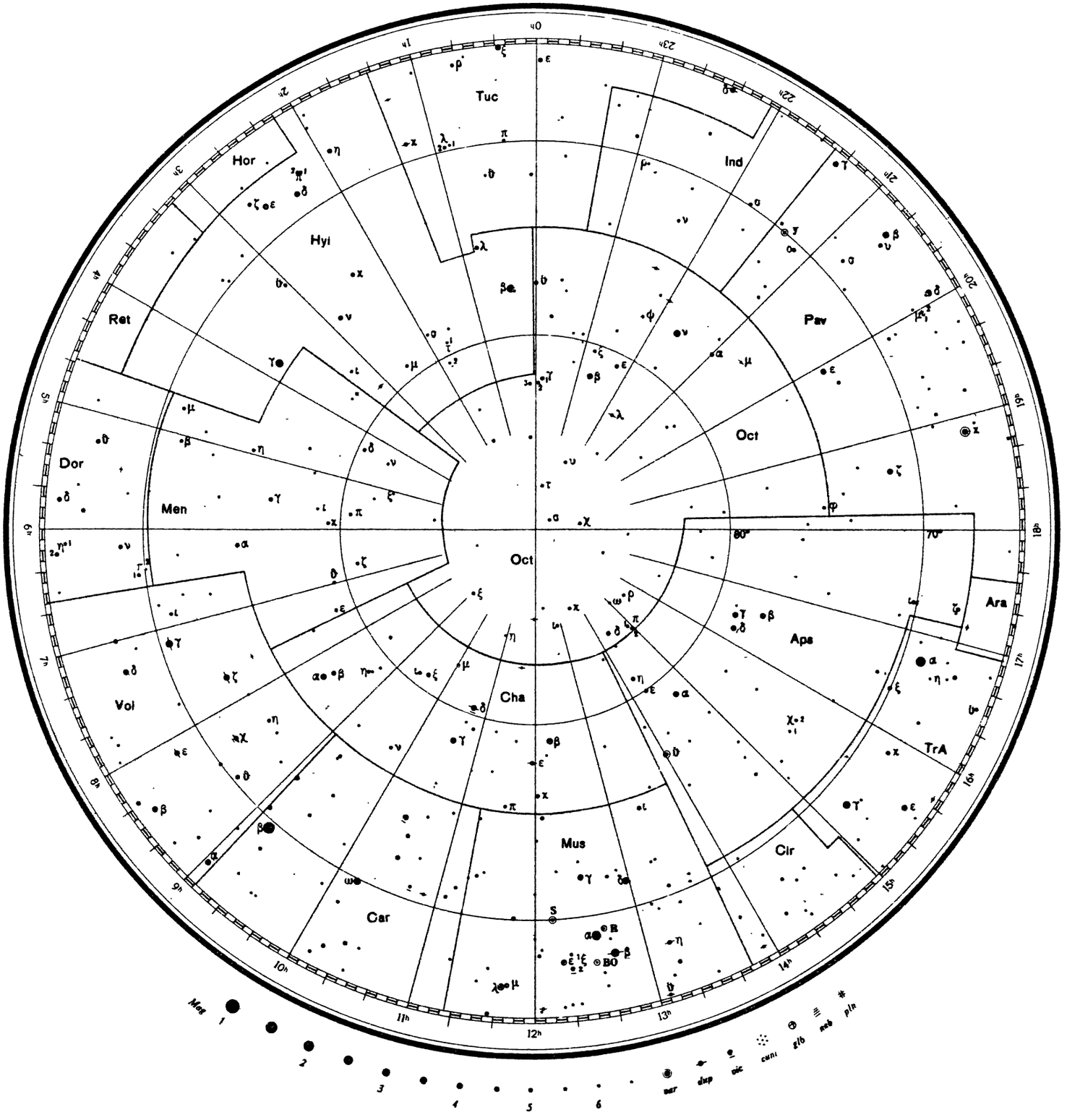

CMa
Lep
Pup
Col
Eri
For
Vel
Pic
Hor
Car
Dor
Vol
Ret
Hyi
M41
M93
6h
7h
5h
8h
4h
-20°
-30°
-40°
-50°
-60°
-70°


Hya
Crt
Crv
Hya
Ant
Pyx
Pup
Vel
Cen
Cru
Car
Mus
Vol
10h
11h
12h
9h
8h
-20°
-30°
-40°
-50°
-60°
-70°
Mag 1
2
3
4
5
6
var
dup
vie
cum
glb
neb
pln


Vir
Lib
Sco
Hya
Crv
Lup
Cen
Nor
Cir
Cru
TrA
Mus
14h
15h
13h
16h
12h
-20°
-30°
-40°
-50°
-60°
-70°
Mag 1
2
3
4
5
6
var dup vic cum glb neb pla


Cap
Sgr
Oph
Sco
Lup
CrA
Tel
Ara
Nor
Pav
TrA
M21
M20
M22
M28
M8
M19
M62
M6
M55
RS
RU
RR
Mag 1
2
3
4
5
6
var dup vic cum glb neb pln


Aqr
Cap
Cet
PsA
Scl
Sgr
Gru
Mic
Phe
Ind
Tel
Tuc
Pav
M30
RU
22h
23h
21h
0h
20h
-20°
-30°
-40°
-50°
-60°
-70°
Mag 1
2
3
4
5
6
var
dup
vis
cum
glb
neb
pln


Tuc
Ind
Hor
Hyi
Pav
Ret
Oct
Dor
Men
Oct
Ara
Aps
Vol
Cha
TrA
Mus
Cir
Car
80°
70°
Mag
1
2
3
4
5
6
var
dup
vic
cuni
glb
neb
pln

ПАПКА СОДЕРЖИТ:

1. 20 карт со всеми звездами до 6.5 величины на обоих полушариях неба для равноденствия 1950.0.

2. Объяснение и полный каталог всех изображенных на картах звезд и объектов.

Михайлов Александр Александрович

АТЛАС ЗВЕЗДНОГО НЕБА

20 карт со всеми звездами до 6.5 величины
на обоих полушариях неба для равноденствия 1950.0
с приложением полного каталога всех изображенных на картах звезд и объектов

Утверждено к печати
Главной астрономической обсерваторией АН СССР

Сдано в производство и подписано к печати 13/XI 1973г. Формат бумаги 70 x 108 1/8. Бумага № 1. Печ. л. 6 1/2 + 20 карт (2 1/2 печ. л.) = 12.60 усл. печ. л. Уч.-изд. л. 18.40. Изд. № 4762. Тип. зак. № 1371. М-05965 Тираж 15500.
Цена атласа с приложением брошюры 1 р. 80 к.

Ленинградское отделение издательства „Наука", 199164, Ленинград, Менделеевская линия, дом 1.

1-я тип. издательства „Наука" 199034, Ленинград, 9 линия, д. 12

Цена атласа
с приложением брошюры
1 р. 80 к.

ИЗДАТЕЛЬСТВО «НАУКА»
ЛЕНИНГРАДСКОЕ ОТДЕЛЕНИЕ