

"IAU Catalog of Star Names (IAU-CSN)"

IAU Division C Working Group on Star Names (WGSN) https://www.iau.org/science/scientific_bodies/working_groups/280/

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(For Firefox browser, set > View > Repair Text Encoding). WGSN is working to add brief summaries of etymological information

to future editions of this table.

#(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
#Name/ASCII	Name/Diacritics	Designation	ID	ID	Con #	WDS_J	mag	bnd	HIP	HD	RA(J2000)	Dec(J2000)	Date	Notes	
Absolutno	Absolutno	XO-5	—	—	Lyn	—	11.95	G	—	—	116.716506	39.094572	2019-12-17		
Acamar	Acamar	HR 897	tet01	Ī,1	Eri A	02583-4018	2.88	V	13847	18622	44.565311	-40.304672	2016-07-20	*	
Achernar	Achernar	HR 472	alf	Ī±	Eri A	—	0.45	V	7588	10144	24.428523	-57.236753	2016-06-30		
Achird	Achird	HR 219	eta	Ī·	Cas A	00491+5749	3.46	V	3821	4614	12.276213	57.815187	2017-09-05		
Acrab	Acrab	HR 5984	bet	Ī²	Sco Aa	16054-1948	2.56	V	78820	144217	241.359300	-19.805453	2016-08-21		
Acrux	Acrux	HR 4730	alf	Ī±	Cru Aa	12266-6306	1.33	V	60718	108248	186.649563	-63.099093	2016-07-20		
Acubens	Acubens	HR 3572	alf	Ī±	Cnc Aa	08585+1151	4.26	V	44066	76756	134.621761	11.857700	2016-07-20		
Adhafera	Adhafera	HR 4031	zet	Ī¶	Leo Aa	10167+2325	3.43	V	50335	89025	154.172567	23.417312	2016-07-20		
Adhara	Adhara	HR 2618	eps	Īµ	CMa A	06586-2858	1.50	V	33579	52089	104.656453	-28.972086	2016-08-21		
Adhil	Adhil	HR 390	ksi	Ī¼	And	—	4.87	V	6411	8207	20.585080	45.528778	2016-08-21		
Ain	Ain	HR 1409	eps	Īµ	Tau Aa1	04286+1911	3.53	V	20889	28305	67.154163	19.180435	2015-12-15		
Ainalrami	Ainalrami	HR 7116	nu01	Ī¼1	Sgr A	18542-2245	4.86	V	92761	174974	283.542404	-22.744840	2017-09-05		
Aladfar	Aladfar	HR 7298	eta	Ī·	Lyr Aa	19138+3909	4.43	V	94481	180163	288.439531	39.145970	2017-09-05		
Alasia	Alasia	HD 168746	—	—	Ser	18218-1155	7.95	V	90004	168746	275.457428	-11.922682	2019-12-17		
Albaldah	Albaldah	HR 7264	pi	Ī€	Sgr A	19098-2101	2.88	V	94141	178524	287.440971	-21.023615	2017-09-05		
Albali	Albali	HR 7950	eps	Īµ	Aqr	—	3.78	V	102618	198001	311.918969	-9.495775	2016-09-12		
Albireo	Albireo	HR 7417	bet	Ī²	Cyg Aa	19307+2758	3.37	V	95947	183912	292.680351	27.959692	2016-07-20		
Alchiba	Alchiba	HR 4623	alf	Ī±	Crv	—	4.02	V	59199	105452	182.103402	-24.728875	2016-09-12		
Alcor	Alcor	HR 5062	80	80	UMa Ca	13239+5456	3.99	V	65477	116842	201.306403	54.987954	2016-06-30	*	
Alcyone	Alcyone	HR 1165	eta	Ī·	Tau A	03475+2406	2.85	V	17702	23630	56.871152	24.105136	2016-06-30		
Aldebaran	Aldebaran	HR 1457	alf	Ī±	Tau	04359+1631	0.87	V	21421	29139	68.980163	16.509302	2016-06-30		
Alderamin	Alderamin	HR 8162	alf	Ī±	Cep	21186+6235	2.45	V	105199	203280	319.644885	62.585574	2016-07-20		
Aldhanab	Aldhanab	HR 8353	gam	Ī³	Gru	—	3.00	V	108085	207971	328.482192	-37.364855	2017-09-05		
Aldhibah	Aldhibah	HR 6396	zet	Ī¶	Dra A	17088+6543	3.17	V	83895	155763	257.196650	65.714684	2017-09-05		
Aldulfin	Aldulfin	HR 7852	eps	Īµ	Del	—	4.03	V	101421	195810	308.303216	11.303261	2017-09-05		
Alfirk	Alfirk	HR 8238	bet	Ī²	Cep Aa	21287+7034	3.23	V	106032	205021	322.164987	70.560715	2016-08-21		
Algedi	Algedi	HR 7754	alf02	Ī±2	Cap	20181-1233	3.58	V	100064	192947	304.513566	-12.544852	2016-08-21		
Algenib	Algenib	HR 39	gam	Ī³	Peg	00132+1511	2.83	V	1067	886	3.308963	15.183594	2016-06-30		
Algieba	Algieba	HR 4057	gam01	Ī³1	Leo	10200+1950	2.61	V	50583	89484	154.993144	19.841489	2016-07-20	*	
Algol	Algol	HR 936	bet	Ī²	Per Aa1	03082+4057	2.09	V	14576	19356	47.042215	40.955648	2016-06-30		
Algorab	Algorab	HR 4757	del	Ī´	Crv A	12299-1631	2.94	V	60965	108767	187.466063	-16.515431	2016-07-20		
Alhena	Alhena	HR 2421	gam	Ī³	Gem Aa	06377+1624	1.93	V	31681	47105	99.427960	16.399280	2016-07-20		
Alioth	Alioth	HR 4905	eps	Īµ	UMa A	12540+5558	1.76	V	62956	112185	193.507290	55.959823	2016-06-30		
Aljanah	Aljanah	HR 7949	eps	Īµ	Cyg Aa	20462+3358	2.48	V	102488	197989	311.552843	33.970257	2017-06-30		

Alkaid	Alkaid	HR 5191	eta	$\hat{\imath}$	UMa	—	1.85	V	67301	120315	206.885157	49.313267	2016-06-30	
Alkalurops	Alkalurops	HR 5733	mu01	$\hat{\imath}\frac{1}{2}$	Boo	Aa	15245+3723	4.31	V	75411	137391	231.122618	37.377169	2016-08-21
Alkaphrah	Alkaphrah	HR 3594	kap	$\hat{\imath}^e$	UMa	A	09036+4709	4.16	V	44471	77327	135.906365	47.156525	2017-09-05
Alkarab	Alkarab	HR 8905	ups	$\hat{\imath}$...	Peg	—	—	4.42	V	115623	220657	351.344931	23.404100	2017-09-05
Alkes	Alkes	HR 4287	alf	$\hat{\imath}\pm$	Crt	—	—	4.08	V	53740	95272	164.943604	-18.298783	2016-09-12
Almaaz	Almaaz	HR 1605	eps	$\hat{\imath}\mu$	Aur	—	05020+4349	3.03	V	23416	31964	75.492219	43.823307	2017-02-01
Almach	Almach	HR 603	gam	$\hat{\imath}^3$	And	A	02039+4220	2.10	V	9640	12533	30.974804	42.329725	2016-07-20 *
Alnair	Alnair	HR 8425	alf	$\hat{\imath}\pm$	Gru	—	22082-4658	1.73	V	109268	209952	332.058270	-46.960974	2016-07-20
Alnasl	Alnasl	HR 6746	gam02	$\hat{\imath}^3 2$	Sgr	—	—	2.98	V	88635	165135	271.452025	-30.424100	2016-08-21
Alnilam	Alnilam	HR 1903	eps	$\hat{\imath}\mu$	Ori	—	05362-0112	1.69	V	26311	37128	84.053389	-1.201919	2016-07-20
Alnitak	Alnitak	HR 1948	zet	$\hat{\imath}\eta$	Ori	Aa	05407-0157	1.74	V	26727	37742	85.189694	-1.942574	2016-07-20
Alniyat	Alniyat	HR 6084	sig	$\hat{\imath}f$	Sco	Aa1	16212-2536	2.90	V	80112	147165	245.297149	-25.592792	2017-02-01
Alphard	Alphard	HR 3748	alf	$\hat{\imath}\pm$	Hya	—	09276-0840	1.99	V	46390	81797	141.896847	-8.658602	2016-07-20
Alphecca	Alphecca	HR 5793	alf	$\hat{\imath}\pm$	CrB	—	—	2.22	V	76267	139006	233.671950	26.714693	2016-07-20
Alpheratz	Alpheratz	HR 15	alf	$\hat{\imath}\pm$	And	Aa	00084+2905	2.07	V	677	358	2.096916	29.090431	2016-06-30
Alpherg	Alpherg	HR 437	eta	$\hat{\imath}$	Psc	A	01315+1521	3.83	V	7097	9270	22.870873	15.345823	2018-06-01
Alrakis	Alrakis	HR 6370	mu	$\hat{\imath}\frac{1}{2}$	Dra	A	17053+5428	5.55	V	83608	154906	256.333807	54.470078	2017-02-01
Alrescha	Alrescha	HR 596	alf	$\hat{\imath}\pm$	Psc	A	02020+0246	3.82	V	9487	12446	30.511772	2.763735	2016-08-21
Alruba	Alruba	HR 6618	—	—	Dra	—	—	5.75	V	86782	161693	265.996568	53.801715	2018-06-01
Alsaifi	Alsaifi	HR 7462	sig	$\hat{\imath}f$	Dra	—	19324+6940	4.67	V	96100	185144	293.089960	69.661176	2017-06-30
Alsciaukat	Alsciaukat	HR 3275	31	31	Lyn	—	—	4.25	V	41075	70272	125.708792	43.188131	2017-06-30
Alsephina	Alsephina	HR 3485	del	$\hat{\imath}'$	Vel	Aa	08447-5443	1.99	V	42913	74956	131.175944	-54.708819	2017-09-05
Alshain	Alshain	HR 7602	bet	$\hat{\imath}^2$	Aql	A	19553+0624	3.71	V	98036	188512	298.828304	6.406763	2016-08-21
Alshat	Alshat	HR 7773	nu	$\hat{\imath}\frac{1}{2}$	Cap	A	20207-1246	4.77	V	100310	193432	305.165898	-12.759079	2017-06-30
Altair	Altair	HR 7557	alf	$\hat{\imath}\pm$	Aql	—	19508+0852	0.76	V	97649	187642	297.695827	8.868321	2016-06-30
Altais	Altais	HR 7310	del	$\hat{\imath}'$	Dra	—	19126+6740	3.07	V	94376	180711	288.138750	67.661541	2016-08-21
Alterf	Alterf	HR 3773	lam	$\hat{\imath}\gg$	Leo	—	—	4.32	V	46750	82308	142.930115	22.967970	2017-02-01
Aludra	Aludra	HR 2827	eta	$\hat{\imath}$	CMa	—	07241-2918	2.45	V	35904	58350	111.023760	-29.303106	2016-07-20
Alula Australis	Alula Australis	HR 4375	ksi	$\hat{\imath}\frac{1}{2}$	UMa	Aa	11182+3132	4.41	V	55203	98231	169.545423	31.529161	2016-07-20
Alula Borealis	Alula Borealis	HR 4377	nu	$\hat{\imath}\frac{1}{2}$	UMa	—	11185+3306	3.49	V	55219	98262	169.619737	33.094305	2016-07-20
Alya	Alya	HR 7141	tet01	$\hat{\imath} 1$	Ser	A	18562+0412	4.62	V	92946	175638	284.054949	4.203602	2016-08-21
Alzirr	Alzirr	HR 2484	ksi	$\hat{\imath}\frac{1}{2}$	Gem	—	—	3.35	V	32362	48737	101.322351	12.895592	2017-06-30
Amadioha	Amadioha	HD 43197	—	—	CMa	—	—	8.98	V	29550	43197	93.398590	-29.897264	2019-12-17
Amansinaya	Amansinaya	WASP-34	—	—	Crt	—	—	10.30	V	—	—	165.399575	-23.860662	2019-12-17
Anadolu	Anadolu	WASP-52	—	—	Peg	—	—	11.95	G	—	—	348.494823	8.761270	2019-12-17
Ancha	Ancha	HR 8499	tet	$\hat{\imath}$	Aqr	—	—	4.17	V	110003	211391	334.208485	-7.783291	2016-09-12
Angetenar	Angetenar	HR 850	tau02	$\hat{\imath}\gg 2$	Eri	—	02510-2100	4.76	V	13288	17824	42.759674	-21.004018	2017-06-30
Aniara	Aniara	HD 102956	—	—	UMa	—	—	7.86	V	57820	102956	177.843796	57.640734	2019-12-17
Ankaa	Ankaa	HR 99	alf	$\hat{\imath}\pm$	Phe	—	00263-4218	2.40	V	2081	2261	6.570939	-42.306084	2016-07-20
Anser	Anser	HR 7405	alf	$\hat{\imath}\pm$	Vul	—	19287+2440	4.44	V	95771	183439	292.176375	24.664903	2017-06-30
Antares	Antares	HR 6134	alf	$\hat{\imath}\pm$	Sco	A	16294-2626	1.06	V	80763	148478	247.351915	-26.432003	2016-06-30
Arcalis	ArcalÃs	HD 131496	—	—	Boo	—	—	7.80	V	72845	131496	223.345951	18.235409	2019-12-17
Arcturus	Arcturus	HR 5340	alf	$\hat{\imath}\pm$	Boo	—	14157+1911	-0.05	V	69673	124897	213.915300	19.182409	2016-06-30
Arkab Posterior	Arkab Posterior	HR 7343	bet02	$\hat{\imath}^2 2$	Sgr	—	—	4.27	V	95294	181623	290.804740	-44.799779	2016-10-05
Arkab Prior	Arkab Prior	HR 7337	bet01	$\hat{\imath}^2 1$	Sgr	—	19226-4428	3.96	V	95241	181454	290.659551	-44.458959	2016-10-05
Arneb	Arneb	HR 1865	alf	$\hat{\imath}\pm$	Lep	A	05327-1749	2.58	V	25985	36673	83.182567	-17.822289	2016-07-20
Ascella	Ascella	HR 7194	zet	$\hat{\imath}\eta$	Sgr	A	19026-2953	2.60	V	93506	176687	285.653043	-29.880063	2016-09-12

Asellus Australis	Asellus Australis	HR 3461	del	Î´	Cnc Aa	08447+1809	3.94	V	42911	74442	131.171248	18.154309	2016-11-06
Asellus Borealis	Asellus Borealis	HR 3449	gam	Î³	Cnc Aa	08433+2128	4.66	V	42806	74198	130.821442	21.468501	2016-11-06
Ashlesha	Ashlesha	HR 3482	eps	Î¼	Hya A	08468+0625	3.49	V	43109	74874	131.693794	6.418809	2018-06-01
Aspidiske	Aspidiske	HR 3699	iot	Î´	Car	—	2.21	V	45556	80404	139.272529	-59.275232	2016-07-20
Asterope	Asterope	HR 1151	21	21	Tau A	03459+2433	5.76	V	17579	23432	56.476987	24.554512	2016-08-21
Atakoraka	Atakoraka	WASP-64	—	—	CMa	06445-3252	12.53	G	—	—	101.115022	-32.858383	2019-12-17
Athebyne	Athebyne	HR 6132	eta	Î·	Dra A	16240+6131	2.73	V	80331	148387	245.997858	61.514214	2017-09-05
Atik	Atik	HR 1131	omi	Îµ	Per A	03443+3217	3.84	V	17448	23180	56.079720	32.288240	2016-09-12
Atlas	Atlas	HR 1178	27	27	Tau Aa1	03492+2403	3.62	V	17847	23850	57.290597	24.053415	2016-08-21
Atria	Atria	HR 6217	alf	Î±	TrA	16487-6902	1.91	V	82273	150798	252.166229	-69.027712	2016-07-20
Avior	Avior	HR 3307	eps	Î¼	Car A	08225-5931	1.86	V	41037	71129	125.628480	-59.509484	2016-07-20
Axolotl	Ax ³ lotl	HD 224693	—	—	Cet	—	8.23	V	118319	224693	359.974298	-22.428116	2019-12-17
Ayeyarwady	Ayeyarwady	HD 18742	—	—	Eri	—	7.81	V	13993	18742	45.044402	-20.802604	2019-12-17
Azelfafage	Azelfafage	HR 8301	pi01	Îµ1	Cyg	—	4.69	V	107136	206672	325.523602	51.189623	2016-09-12
Azha	Azha	HR 874	eta	Î·	Eri	—	3.89	V	13701	18322	44.106873	-8.898145	2016-09-12
Azmid	Azmid	HR 3045	ksi	Îº	Pup	07493-2452	3.45	V	38170	63700	117.323563	-24.859786	2018-06-01
Baekdu	Baekdu	HD 133086	8	8	UMi	14568+7454	6.83	V	73136	133086	224.201473	74.900923	2019-12-17
Barnard's Star	Barnard's Star	GJ 699	V2500	V2500	Oph	—	9.54	V	87937	—	269.454023	4.668288	2017-02-01
Baten Kaitos	Baten Kaitos	HR 539	zet	Î·	Cet Aa	01515-1020	3.74	V	8645	11353	27.865137	-10.335044	2016-09-12
Beemim	Beemim	HR 1393	ups03	Î³...3	Eri	—	3.97	V	20535	28028	66.009239	-34.016848	2017-06-30
Beid	Beid	HR 1298	omi01	Îµ1	Eri	—	4.04	V	19587	26574	62.966415	-6.837580	2016-09-12
Belel	Belel	HD 181342	—	—	Sgr	—	7.55	V	95124	181342	290.267627	-23.619570	2019-12-17
Belenos	B ^Å l ^Å nos	HD 8574	—	—	Psc	—	7.12	V	6643	8574	021.302148	28.566695	2019-12-17
Bellatrix	Bellatrix	HR 1790	gam	Î³	Ori	05251+0621	1.64	V	25336	35468	81.282764	6.349703	2016-06-30
Berehynia	Berehynia	HAT-P-15	—	—	Per	—	11.72	G	—	—	066.248062	39.460642	2019-12-17
Betelgeuse	Betelgeuse	HR 2061	alf	Î±	Ori Aa	05552+0724	0.45	V	27989	39801	88.792939	7.407064	2016-06-30
Bharani	Bharani	HR 838	41	41	Ari Aa	02500+2716	3.61	V	13209	17573	42.495972	27.260507	2017-06-30
Bibha	Bibh ^Å	HD 86081	—	—	Sex	—	8.73	V	48711	86081	149.024661	-3.808423	2019-12-17
Biham	Biham	HR 8450	tet	Î·	Peg	—	3.52	V	109427	210418	332.549939	6.197863	2016-08-21
Bosona	Bosona	HD 206610	—	—	Aqr	—	8.34	V	107251	206610	325.853751	-7.408253	2019-12-17
Botein	Botein	HR 951	del	Î´	Ari	—	4.35	V	14838	19787	47.907356	19.726674	2016-09-12
Brachium	Brachium	HR 5603	sig	Î¶	Lib A	15041-2517	3.25	V	73714	133216	226.017567	-25.281961	2017-09-05
Bubup	Bubup	HD 38283	—	—	Men	—	6.69	V	26380	38283	84.258403	-73.699346	2019-12-17
Buna	Buna	HD 16175	—	—	And	—	7.28	V	12191	16175	39.257963	42.062630	2019-12-17
Bunda	Bunda	HR 8264	ksi	Îº	Aqr A	21378-0751	4.80	V	106786	205767	324.437956	-7.854202	2018-06-01
Canopus	Canopus	HR 2326	alf	Î±	Car A	06240-5242	-0.62	V	30438	45348	95.987958	-52.695661	2016-06-30
Capella	Capella	HR 1708	alf	Î±	Aur Aa	05167+4600	0.08	V	24608	34029	79.172328	45.997991	2016-06-30
Caph	Caph	HR 21	bet	Î²	Cas A	00092+5909	2.28	V	746	432	2.294522	59.149781	2016-06-30
Castor	Castor	HR 2891	alf	Î±	Gem Aa	07346+3153	1.98	V	36850	60179	113.649428	31.888276	2016-06-30
Castula	Castula	HR 265	ups02	Î³...2	Cas	—	4.62	V	4422	5395	14.166271	59.181055	2017-09-05
Cebalrai	Cebalrai	HR 6603	bet	Î²	Oph	—	2.76	V	86742	161096	265.868136	4.567300	2016-08-21
Ceibo	Ceibo	HD 63454	—	—	Cha	—	9.37	V	37284	63454	114.841057	-78.278974	2019-12-17
Celaeno	Celaeno	HR 1140	16	16	Tau	03448+2417	5.45	V	17489	23288	56.200893	24.289468	2016-08-21
Cervantes	Cervantes	HR 6585	mu	Î¼	Ara	—	5.15	V	86796	160691	266.036255	-51.834051	2015-12-15
Chalawan	Chalawan	HR 4277	47	47	UMa	—	5.03	V	53721	95128	164.866553	40.430256	2015-12-15
Chamukuy	Chamukuy	HR 1412	tet02	Î·.2	Tau Aa	04287+1552	3.73	V	20894	28319	67.165586	15.870882	2017-09-05
Chaophraya	Chaophraya	WASP-50	—	—	Eri	—	11.55	G	—	—	043.688059	-10.898063	2019-12-17

Chara	Chara	HR 4785	bet	$\hat{I}^2$	CVn Aa	12337+4121	4.24	V	61317	109358	188.435603	41.357479	2016-07-20
Chason	Chaso $\hat{A}^{\wedge}$	HAT-P-5	—	—	Lyr —	18176+3637	11.82	G	—	—	274.405470	36.621436	2019-12-17
Cechia	Cechia	HD 192699	—	—	Aql —	—	6.44	V	99894	192699	304.025017	4.580795	2019-12-17
Chertan	Chertan	HR 4359	tet	$\hat{I},$	Leo —	—	3.33	V	54879	97633	168.560019	15.429571	2016-07-20
Citadelle	Citadelle	HD 1502	—	—	Psc —	—	8.36	V	1547	1502	4.821110	14.054756	2019-12-17
Citala	Cital $\hat{A}j$	HD 52265	—	—	Mon —	—	6.29	V	33719	52265	105.075149	-5.367161	2019-12-17
Cocibolca	Cocibolca	HD 4208	—	—	Scl —	—	7.78	V	3479	4208	11.111045	-26.515683	2019-12-17
Copernicus	Copernicus	HR 3522	55	55	Cnc A	08526+2820	5.95	V	43587	75732	133.149212	28.330820	2015-12-15
Cor Caroli	Cor Caroli	HR 4915	alf02	$\hat{I}\pm 2$	CVn Aa	12560+3819	2.89	V	63125	112413	194.006943	38.318376	2016-07-20
Cujam	Cujam	HR 6117	ome	$\hat{I}\%$	Her A	16254+1402	4.57	V	80463	148112	246.353979	14.033274	2017-02-01
Cursa	Cursa	HR 1666	bet	$\hat{I}^2$	Eri —	05078-0505	2.78	V	23875	33111	76.962440	-5.086446	2016-07-20
Dabih	Dabih	HR 7776	bet01	$\hat{I}\pm 1$	Cap Aa	20210-1447	3.05	V	100345	193495	305.252803	-14.781405	2016-08-21
Dalim	Dalim	HR 963	alf	$\hat{I}\pm$	For A	03121-2859	3.86	V	14879	20010	48.018864	-28.987620	2017-09-05
Deneb	Deneb	HR 7924	alf	$\hat{I}\pm$	Cyg —	20414+4517	1.25	V	102098	197345	310.357980	45.280339	2016-06-30
Deneb Algedi	Deneb Algedi	HR 8322	del	$\hat{I}'$	Cap Aa	21470-1608	2.85	V	107556	207098	326.760184	-16.127287	2017-02-01
Denebola	Denebola	HR 4534	bet	$\hat{I}^2$	Leo —	11491+1434	2.14	V	57632	102647	177.264910	14.572058	2016-06-30
Diadem	Diadem	HR 4968	alf	$\hat{I}\pm$	Com A	13100+1732	4.85	V	64241	114378	197.497029	17.529447	2017-02-01
Dingolay	Dingolay	HD 96063	—	—	Leo —	—	8.21	V	54158	96063	166.185228	-02.513218	2019-12-17
Diphda	Diphda	HR 188	bet	$\hat{I}^2$	Cet —	—	2.04	V	3419	4128	10.897379	-17.986606	2016-08-21
Diwo	D $\hat{A}$ -w $\hat{A}g$	WASP-17	—	—	Sco —	15598-2804	11.38	G	—	—	239.962287	-28.061753	2019-12-17
Diya	Diya	WASP-72	—	—	For —	—	10.84	G	—	—	041.040041	-30.169045	2019-12-17
Dofida	Dofida	HD 117618	—	—	Cen —	—	7.17	V	66047	117618	203.106482	-47.271365	2019-12-17
Dombay	Dombay	HAT-P-3	—	—	UMa —	—	11.28	G	—	—	206.094141	48.028668	2019-12-17
Dschubba	Dschubba	HR 5953	del	$\hat{I}'$	Sco A	16003-2237	2.29	V	78401	143275	240.083359	-22.621710	2016-08-21
Dubhe	Dubhe	HR 4301	alf	$\hat{I}\pm$	UMa A	11037+6145	1.81	V	54061	95689	165.931965	61.751035	2016-06-30
Dziban	Dziban	HR 6636	psi01	$\hat{I}\wedge 1$	Dra A	17419+7209	4.57	V	86614	162003	265.484814	72.148847	2017-09-05
Ebla	Ebla	HD 218566	—	—	Psc —	—	8.59	V	114322	218566	347.294696	-2.260746	2019-12-17
Edasich	Edasich	HR 5744	iot	$\hat{I}^1$	Dra —	15249+5858	3.29	V	75458	137759	231.232396	58.966063	2015-12-15
Electra	Electra	HR 1142	17	17	Tau —	03449+2407	3.72	V	17499	23302	56.218904	24.113336	2016-08-21
Elgafar	Elgafar	HR 5409	phi	$\hat{I}\bullet$	Vir A	14282-0214	4.84	V	70755	126868	217.050575	-2.227957	2018-06-01
Elkurud	Elkurud	HR 2177	tet	$\hat{I},$	Col —	—	5.00	V	29034	42167	91.881801	-37.252920	2018-06-01
Elnath	Elnath	HR 1791	bet	$\hat{I}^2$	Tau Aa	05263+2836	1.65	V	25428	35497	81.572971	28.607452	2016-07-20
Eltanin	Eltanin	HR 6705	gam	$\hat{I}^3$	Dra —	17566+5129	2.24	V	87833	164058	269.151541	51.488896	2016-08-21
Emiw	Emiw	HD 7199	—	—	Tuc —	—	8.06	V	5529	7199	17.696756	-66.188164	2019-12-17
Enif	Enif	HR 8308	eps	$\hat{I}\mu$	Peg —	21442+0953	2.38	V	107315	206778	326.046484	9.875009	2016-07-20
Errai	Errai	HR 8974	gam	$\hat{I}^3$	Cep Aa	23393+7738	3.21	V	116727	222404	354.836655	77.632313	2015-12-15
Fafnir	Fafnir	HR 6945	42	42	Dra A	18260+6534	4.82	V	90344	170693	276.496406	65.563480	2015-12-15
Fang	Fang	HR 5944	pi	$\hat{I}\epsilon$	Sco Aa	15589-2607	2.89	V	78265	143018	239.712972	-26.114108	2017-06-30
Fawaris	Fawaris	HR 7528	del	$\hat{I}'$	Cyg A	19450+4508	2.90	V	97165	186882	296.243658	45.130810	2018-06-01
Felis	Felis	HR 3923	—	—	Hya —	—	4.94	V	48615	85951	148.717528	-19.009336	2018-06-01
Felixvarela	Felixvarela	BD-17 63	—	—	Cet —	—	9.62	V	2247	—	7.142942	-16.226345	2019-12-17
Flegetonte	Flegetonte	HD 102195	—	—	Vir —	11457+0249	8.07	V	57370	102195	176.426220	2.821479	2019-12-17
Fomalhaut	Fomalhaut	HR 8728	alf	$\hat{I}\pm$	PsA A	22577-2937	1.17	V	113368	216956	344.412693	-29.622237	2015-12-15
Formosa	Formosa	HD 100655	—	—	Leo —	—	6.45	V	56508	100655	173.765637	20.441545	2019-12-17
Franz	Franz	HAT-P-14	—	—	Her —	17205+3815	9.86	V	—	—	260.116160	38.242197	2019-12-17
Fulu	Fulu	HR 153	zet	$\hat{I}g$	Cas —	—	3.69	V	2920	3360	9.242851	53.896908	2017-06-30
Fumalsamakah	Fumalsamakah	HR 8773	bet	$\hat{I}^2$	Psc —	—	4.48	V	113889	217891	345.969225	3.820045	2018-06-01

Funi	Funi	HD 109246	—	—	Dra	—	8.75	V	61177	109246	188.029952	74.489547	2019-12-17
Furud	Furud	HR 2282	zet	İ¶	CMa	Aa	06203-3004	3.02	V	30122	44402	95.078300	-30.063367 2016-07-20
Fuyue	Fuyue	HR 6630	—	—	Sco	—	17499-3703	3.19	V	87261	161892	267.464503	-37.043305 2017-06-30
Gacrux	Gacrux	HR 4763	gam	İ³	Cru	—	12312-5707	1.59	V	61084	108903	187.791498	-57.113213 2016-07-20
Gakyid	Gakyid	HD 73534	—	—	Cnc	—	—	8.23	V	42446	73534	129.815846	12.960375 2019-12-17
Geminga	Geminga	PSR B0633+17	—	—	Gem	—	—	—	—	—	—	98.475638	17.770253 2022-04-04
Giausar	Giausar	HR 4434	lam	İ»	Dra	—	—	3.82	V	56211	100029	172.850920	69.331075 2017-02-01
Gienah	Gienah	HR 4662	gam	İ³	Crv	—	12158-1733	2.58	V	59803	106625	183.951543	-17.541929 2016-11-06
Ginan	Ginan	HR 4700	eps	İµ	Cru	—	—	3.59	V	60260	107446	185.340039	-60.401147 2017-11-17
Gloas	Gloas	WASP-13	—	—	Lyn	—	—	10.38	G	—	—	140.102977	33.882417 2019-12-17
Gomeisa	Gomeisa	HR 2845	bet	İ²	CMi	A	07272+0817	2.89	V	36188	58715	111.787674	8.289316 2016-07-20
Grumium	Grumium	HR 6688	ksi	İ¼	Dra	A	17535+5652	3.73	V	87585	163588	268.382207	56.872646 2016-09-12
Gudja	Gudja	HR 5879	kap	İº	Ser	—	—	4.09	V	77450	141477	237.184903	18.141564 2018-08-10
Gumala	Gumala	HD 179949	V5652	V5652	Sgr	—	19156-2411	6.25	V	94645	179949	288.888459	-24.179354 2019-12-17
Guniibuu	Guniibuu	HR 6402	36	—	Oph	A	17153-2636	5.07	V	84405	155886	258.837875	-26.598892 2018-08-10
Hadar	Hadar	HR 5267	bet	İ²	Cen	Aa	14038-6022	0.61	V	68702	122451	210.955856	-60.373035 2016-08-21
Haedus	Haedus	HR 1641	eta	İ·	Aur	—	—	3.18	V	23767	32630	76.628722	41.234476 2017-06-30
Hamal	Hamal	HR 617	alf	İ±	Ari	—	—	2.01	V	9884	12929	31.793357	23.462418 2016-07-20
Hassaleh	Hassaleh	HR 1577	iot	İ¹	Aur	—	—	2.69	V	23015	31398	74.248421	33.166100 2017-06-30
Hatysa	Hatysa	HR 1899	iot	İ¹	Ori	Aa	05354-0555	2.80	V	26241	37043	83.858258	-05.909901 2017-09-05
Helvetios	Helvetios	HR 8729	51	51	Peg	—	22575+2046	5.49	V	113357	217014	344.366583	20.768831 2015-12-15
Heze	Heze	HR 5107	zet	İ¶	Vir	A	13347-0036	3.38	V	66249	118098	203.673300	-0.595820 2018-06-01
Hoggar	Hoggar	HD 28678	—	—	Tau	—	—	8.38	V	21109	28678	67.856059	4.575295 2019-12-17
Homam	Homam	HR 8634	zet	İ¶	Peg	A	22415+1050	3.41	V	112029	214923	340.365503	10.831363 2016-08-21
Horna	Horna	HAT-P-38	—	—	Tri	—	—	12.30	G	—	—	035.383251	32.246136 2019-12-17
Hunahpu	HunahpÃº	HD 98219	—	—	Crt	—	—	8.05	V	55174	98219	169.448138	-23.975415 2019-12-17
Hunor	Hunor	HAT-P-2	—	—	Her	—	—	8.72	V	80076	147506	245.151491	41.048086 2019-12-17
Iklil	Iklil	HR 5928	rho	İ	Sco	Aa	15569-2913	3.87	V	78104	142669	239.221151	-29.214073 2017-09-05
Illyrian	Illyrian	HD 82886	—	—	LMi	—	—	7.62	V	47087	82886	143.938267	34.780742 2019-12-17
Imai	Imai	HR 4656	del	İ´	Cru	—	—	2.75	V	59747	106490	183.786320	-58.748927 2018-08-10
Inquill	Inquill	HD 156411	—	—	Ara	—	—	6.67	V	84787	156411	259.964168	-48.549320 2019-12-17
Intan	Intan	HD 20868	—	—	For	—	—	9.92	V	15578	20868	50.177891	-33.730104 2019-12-17
Intercrus	Intercrus	HR 3743	—	—	UMa	—	09287+4536	5.41	V	46471	81688	142.166618	45.601482 2015-12-15
Irena	Irena	WASP-38	—	—	Her	—	—	9.41	V	—	—	243.959855	10.032579 2019-12-17
Itonda	Itonda	HD 208487	—	—	Gru	—	—	7.47	V	108375	208487	329.332698	-37.763624 2019-12-17
Izar	Izar	HR 5506	eps	İµ	Boo	A	14450+2704	2.35	V	72105	129988	221.246763	27.074207 2016-08-21
Jabbah	Jabbah	HR 6027	nu	İ¼	Sco	Aa	16120-1928	4.50	V	79374	145502	242.998894	-19.460708 2017-06-30
Jishui	Jishui	HR 2930	omi	İ¸	Gem	—	—	4.89	V	37265	61110	114.791387	34.584346 2017-06-30
Kaffaljidhma	Kaffaljidhma	HR 804	gam	İ³	Cet	A	02433+0314	3.56	V	12706	16970	40.825163	3.235816 2017-02-01
Kalausí	Kalausí	HD 83443	—	—	Vel	—	09372-4316	8.23	V	47202	83443	144.299282	-43.272204 2019-12-17
Kamuy	Kamuy	HD 145457	—	—	CrB	—	—	6.57	V	79219	145457	242.516310	26.742748 2019-12-17
Kang	Kang	HR 5315	kap	İº	Vir	—	—	4.18	V	69427	124294	213.223939	-10.273704 2017-06-30
Karaka	Karaka	HD 137388	—	—	Aps	—	15357-8012	8.71	V	76351	137388	233.916337	-80.204594 2019-12-17
Kaus Australis	Kaus Australis	HR 6879	eps	İµ	Sgr	A	18242-3423	1.79	V	90185	169022	276.042993	-34.384616 2016-07-20
Kaus Borealis	Kaus Borealis	HR 6913	lam	İ»	Sgr	—	18280-2525	2.82	V	90496	169916	276.992668	-25.421701 2016-07-20
Kaus Media	Kaus Media	HR 6859	del	İ´	Sgr	—	18210-2950	2.72	V	89931	168454	275.248508	-29.828104 2016-07-20
Kaveh	Kaveh	HD 175541	—	—	Ser	—	—	8.02	V	92895	175541	283.920350	4.265323 2019-12-17

Keid	Keid	HR 1325	omi02	Î¿2	Eri A	04153-0739	4.43	V	19849	26965	63.817999	-7.652872	2016-09-12
Khambalia	Khambalia	HR 5359	lam	Î»	Vir A	14191-1322	4.52	V	69974	125337	214.777468	-13.371096	2017-09-05
Kitalpha	Kitalpha	HR 8131	alf	Î±	Equ A	21158+0515	3.92	V	104987	202447	318.955949	5.247865	2016-08-21
Kochab	Kochab	HR 5563	bet	Î²	UMi	14507+7409	2.07	V	72607	131873	222.676357	74.155504	2016-07-20
Koeia	Koeia	HIP 12961	—	—	Eri	—	10.25	V	12961	—	041.678695	-23.086612	2019-12-17
Koit	Koit	XO-4	—	—	Lyn	—	10.78	G	—	—	110.388168	58.268087	2019-12-17
Kornephoros	Kornephoros	HR 6148	bet	Î²	Her Aa	16302+2129	2.78	V	80816	148856	247.554998	21.489611	2016-08-21
Kraz	Kraz	HR 4786	bet	Î²	Crv	—	2.65	V	61359	109379	188.596810	-23.396759	2018-06-01
Kurhah	Kurhah	HR 8417	ksi	Î¼	Cep Aa	22038+6438	4.26	V	108917	209790	330.947724	64.627971	2016-09-12
La Superba	La Superba	HR 4846	Y	Y	CVn	—	5.42	V	62223	110914	191.282615	45.440257	2018-08-10
Larawag	Larawag	HR 6241	eps	Îµ	Sco	—	2.29	V	82396	151680	252.540878	-34.293232	2017-11-17
Lerna	Lerna	HAT-P-42	—	—	Hya	—	12.00	G	—	—	135.344371	6.097227	2019-12-17
Lesath	Lesath	HR 6508	ups	Îž	Sco	—	2.70	V	85696	158408	262.690979	-37.295813	2016-08-21
Libertas	Libertas	HR 7595	ksi	Î¼	Aql A	19542+0828	4.71	V	97938	188310	298.562008	8.461453	2015-12-15
Lich	Lich	PSR B1257+12	—	—	Vir	—	—	—	—	—	195.012701	12.682417	2015-12-15
Liesma	Liesma	HD 118203	—	—	UMa	—	8.05	V	66192	118203	203.510581	53.728527	2019-12-17
Lilii Borea	Lilii Borea	HR 824	39	39	Ari	—	4.52	V	13061	17361	41.977256	29.247115	2017-09-05
Lionrock	Lionrock	HD 212771	—	—	Aqr	—	7.60	V	110813	212771	336.762801	-17.263656	2019-12-17
Lucilinburhuc	Lucilinburhuc	HD 45350	—	—	Aur	—	7.89	V	30860	45350	97.190463	38.962962	2019-12-17
Lusitania	Lusitania	HD 45652	—	—	Mon	—	8.10	V	30905	45652	97.304966	10.933891	2019-12-17
Maasym	Maasym	HR 6526	lam	Î»	Her	—	4.41	V	85693	158899	262.684626	26.110645	2016-09-12
Macondo	Macondo	HD 93083	—	—	Ant	—	8.30	V	52521	93083	161.087146	-33.577024	2019-12-17
Mago	Mago	HD 32518	—	—	Cam	—	6.43	V	24003	32518	77.403000	69.639404	2019-12-17
Mahasim	Mahasim	HR 2095	tet	Î¸	Aur A	05597+3713	2.65	V	28380	40312	89.930292	37.212585	2017-06-30
Mahsati	Mahsati	HD 152581	—	—	Oph	—	8.38	V	82651	152581	253.431594	11.973748	2019-12-17
Maia	Maia	HR 1149	20	20	Tau	03458+2422	3.87	V	17573	23408	56.456695	24.367751	2016-07-20
Malmok	Malmok	WASP-39	V732	V732	Vir	14293-0327	11.89	G	—	—	217.326730	-3.444501	2019-12-17
Marfik	Marfik	HR 6149	lam	Î»	Oph A	16309+0159	3.82	V	80883	148857	247.728453	1.983888	2016-09-12
Markab	Markab	HR 8781	alf	Î±	Peg	—	2.49	V	113963	218045	346.190223	15.205267	2016-06-30
Markeb	Markeb	HR 3734	kap	Îº	Vel	—	2.47	V	45941	81188	140.528407	-55.010667	2017-09-05
Marohu	Marohu	WASP-6	—	—	Aqr	—	11.98	G	—	—	348.157237	-22.673966	2019-12-17
Marsic	Marsic	HR 6008	kap	Îº	Her A	16081+1703	5.00	V	79043	145001	242.018857	17.046980	2017-02-01
Matar	Matar	HR 8650	eta	Î·	Peg Aa	22430+3013	2.93	V	112158	215182	340.750579	30.221244	2016-08-21
Mazaalai	Mazaalai	HAT-P-21	—	—	UMa	—	11.56	G	—	—	171.274941	41.027964	2020-03-01
Mebsuta	Mebsuta	HR 2473	eps	Îµ	Gem	06439+2508	3.06	V	32246	48329	100.983026	25.131127	2016-07-20
Megrez	Megrez	HR 4660	del	Î´	UMa	12154+5702	3.32	V	59774	106591	183.856503	57.032615	2016-06-30
Meissa	Meissa	HR 1879	lam	Î»	Ori A	05351+0956	3.39	V	26207	36861	83.784486	9.934156	2016-07-20
Mekbuda	Mekbuda	HR 2650	zet	Î·	Gem Aa	07041+2034	4.01	V	34088	52973	106.027215	20.570295	2016-09-12
Meleph	Meleph	HR 3429	eps	Îµ	Cnc Aa	08405+1933	6.29	V	42556	73731	130.112544	19.544809	2017-09-05
Menkalinan	Menkalinan	HR 2088	bet	Î²	Aur Aa	05595+4457	1.90	V	28360	40183	89.882179	44.947433	2016-07-20
Menkar	Menkar	HR 911	alf	Î±	Cet	—	2.54	V	14135	18884	45.569885	4.089737	2016-06-30
Menkent	Menkent	HR 5288	tet	Î¸	Cen	14067-3622	2.06	V	68933	123139	211.670617	-36.369958	2016-08-21
Menkib	Menkib	HR 1228	ksi	Î¼	Per	03590+3547	3.98	V	18614	24912	59.741253	35.791032	2016-09-12
Merak	Merak	HR 4295	bet	Î²	UMa	—	2.34	V	53910	95418	165.460319	56.382426	2016-06-30
Merga	Merga	HR 5533	38	38	Boo	—	5.76	V	72487	130945	222.327791	46.116206	2016-09-12
Meridiana	Meridiana	HR 7254	alf	Î±	CrA	—	4.11	V	94114	178253	287.368087	-37.904473	2017-09-05
Merope	Merope	HR 1156	23	23	Tau Aa	03463+2357	4.14	V	17608	23480	56.581552	23.948348	2016-07-20

Mesarthim	Mesarthim	HR 546	gam02	$\hat{I}^3 2$	Ari A	01535+1918	4.75	V	8832	11502	28.382560	19.293852	2016-08-21
Miaplacidus	Miaplacidus	HR 3685	bet	$\hat{I}^2$	Car _	_	1.67	V	45238	80007	138.299906	-69.717208	2016-07-20
Mimosa	Mimosa	HR 4853	bet	$\hat{I}^2$	Cru _	12477-5941	1.25	V	62434	111123	191.930263	-59.688764	2016-07-20
Minchir	Minchir	HR 3418	sig	$\hat{I} f$	Hya _	_	4.45	V	42402	73471	129.689323	3.341436	2017-09-05
Minelauva	Minelauva	HR 4910	del	$\hat{I} ^\circ$	Vir _	12556+0324	3.39	V	63090	112300	193.900869	3.397470	2017-06-30
Mintaka	Mintaka	HR 1852	del	$\hat{I} ^\circ$	Ori Aa	05320-0018	2.25	V	25930	36486	83.001667	-0.299095	2016-07-20
Mira	Mira	HR 681	omi	$\hat{I} _i$	Cet Aa	02193-0259	6.47	V	10826	14386	34.836617	-2.977640	2016-06-30
Mirach	Mirach	HR 337	bet	$\hat{I}^2$	And _	01097+3537	2.07	V	5447	6860	17.433013	35.620557	2016-06-30
Miram	Miram	HR 834	eta	$\hat{I} \cdot$	Per A	02507+5554	3.77	V	13268	17506	42.674207	55.895497	2017-09-05
Mir-fak	Mir-fak	HR 1017	alf	$\hat{I} \pm$	Per _	03243+4952	1.79	V	15863	20902	51.080709	49.861179	2016-07-20
Mirzam	Mirzam	HR 2294	bet	$\hat{I}^2$	CMa _	06227-1757	1.98	V	30324	44743	95.674939	-17.955919	2016-07-20
Misam	Misam	HR 941	kap	$\hat{I}^e$	Per Aa	03095+4451	3.79	V	14668	19476	47.374048	44.857541	2017-09-05
Mizar	Mizar	HR 5054	zet	$\hat{I} \P$	UMa Aa	13239+5456	2.23	V	65378	116656	200.981429	54.925362	2016-06-30
Moldoveanu	Moldoveanu	XO-1	-	-	CrB _	-	11.28	V	-	-	240.549360	28.169561	2019-12-17
Monch	MÄnch	HD 130322	-	-	Vir _	14475-0017	8.04	V	72339	130322	221.886361	-00.281474	2019-12-17
Montuno	Montuno	WASP-79	-	-	Eri _	-	10.06	V	-	-	066.370903	-30.600447	2019-12-17
Morava	Morava	WASP-60	-	-	Peg _	-	12.18	V	-	-	356.666561	31.155937	2019-12-17
Moriah	Moriah	HAT-P-23	-	-	Del _	-	12.17	G	-	-	306.123848	16.762170	2019-12-17
Mothallah	Mothallah	HR 544	alf	$\hat{I} \pm$	Tri _	01531+2935	3.42	V	8796	11443	28.270450	29.578826	2016-08-21
Mouhoun	Mouhoun	HD 30856	-	-	Eri _	-	7.91	V	22491	30856	72.574423	-24.368843	2019-12-17
Mpingo	Mpingo	WASP-71	-	-	Cet _	-	10.57	G	-	-	029.263350	0.758855	2019-12-17
Muliphein	Muliphein	HR 2657	gam	$\hat{I}^3$	CMa _	-	4.11	V	34045	53244	105.939554	-15.633286	2016-08-21
Muphrid	Muphrid	HR 5235	eta	$\hat{I} \cdot$	Boo Aa	13547+1824	2.68	V	67927	121370	208.671161	18.397717	2016-09-12
Muscida	Muscida	HR 3323	omi	$\hat{I} _i$	UMa A	08303+6043	3.35	V	41704	71369	127.566128	60.718170	2016-07-20
Musica	Musica	HR 8030	18	18	Del _	20584+1050	5.48	V	103527	199665	314.608058	10.839286	2015-12-15
Muspelheim	Muspelheim	HAT-P-29	-	-	Per _	02125+5147	11.73	G	-	-	033.131160	51.778767	2019-12-17
Nahn	Nahn	HR 3627	ksi	$\hat{I} \%$	Cnc A	09094+2203	5.70	V	44946	78515	137.339722	22.045446	2018-06-01
Naledi	Naledi	WASP-62	-	-	Dor _	-	10.12	V	-	-	087.139974	-63.988441	2019-12-17
Naos	Naos	HR 3165	zet	$\hat{I} \P$	Pup _	-	2.21	V	39429	66811	120.896031	-40.003148	2016-08-21
Nashira	Nashira	HR 8278	gam	$\hat{I}^3$	Cap A	-	3.69	V	106985	206088	325.022735	-16.662308	2016-08-21
Nasti	NÄsti	HD 68988	-	-	UMa _	-	8.20	V	40687	68988	124.592386	61.460721	2019-12-17
Natasha	Natasha	HD 85390	-	-	Vel _	09500-4947	8.54	V	48235	85390	147.510404	-49.790266	2019-12-17
Nekkar	Nekkar	HR 5602	bet	$\hat{I}^2$	Boo _	-	3.49	V	73555	133208	225.486510	40.390567	2016-08-21
Nembus	Nembus	HR 464	51	51	And _	-	3.59	V	7607	9927	24.498154	48.628214	2017-09-05
Nenque	Nenque	HD 6434	-	-	Phe _	-	7.72	V	5054	6434	16.167293	-39.488218	2019-12-17
Nervia	Nervia	HD 49674	-	-	Aur A	06515+4052	8.10	V	32916	49674	102.877151	40.867757	2019-12-17
Nganurganity	Nganurganity	HR 2646	sig	$\hat{I} f$	CMa _	07017-2756	3.49	V	33856	52877	105.429782	-27.934830	2017-09-05
Nihal	Nihal	HR 1829	bet	$\hat{I}^2$	Lep A	05282-2046	2.83	V	25606	36079	82.061346	-20.759441	2016-07-20
Nikawiy	Nikawiy	HD 136418	-	-	Boo _	-	7.88	V	74961	136418	229.775760	41.733206	2019-12-17
Nosaxa	Nosaxa	HD 48265	-	-	Pup _	-	8.05	V	31895	48265	100.007196	-48.541956	2019-12-17
Nunki	Nunki	HR 7121	sig	$\hat{I} f$	Sgr Aa	18553-2618	2.05	V	92855	175191	283.816360	-26.296724	2016-08-21
Nusakan	Nusakan	HR 5747	bet	$\hat{I}^2$	CrB A	15278+2906	3.90	V	75695	137909	231.957211	29.105699	2016-09-12
Nushagak	Nushagak	HD 17156	-	-	Cas _	-	8.17	V	13192	17156	42.435361	71.753231	2019-12-17
Nyamien	Nyamien	WASP-15	-	-	Cen _	13557-3210	10.80	G	-	-	208.927967	-32.159615	2019-12-17
Ogma	Ogma	HD 149026	-	-	Her _	-	8.16	V	80838	149026	247.623409	38.347311	2015-12-15
Okab	Okab	HR 7235	zet	$\hat{I} \P$	Aql A	19054+1352	2.99	V	93747	177724	286.352533	13.863477	2018-06-01
Paikauhale	Paikauhale	HR 6165	tau	$\hat{I} ,$	Sco A	16359-2813	2.82	V	81266	149438	248.970637	-28.216017	2018-08-10

Parumleo	Parumleo	WASP-32	—	—	Psc	—	11.41	G	—	—	003.961699	1.200441	2019-12-17
Peacock	Peacock	HR 7790	alf	İ±	Pav Aa	—	20256-5644	1.94	V	100751	193924	306.411904	-56.735090 2016-07-20
Petra	Petra	WASP-80	—	—	Aql	—	20127-0209	11.27	G	—	—	303.167372	-2.144220 2019-12-17
Phact	Phact	HR 1956	alf	İ±	Col	—	05396-3404	2.65	V	26634	37795	84.912254	-34.074110 2016-07-20
Phecda	Phecda	HR 4554	gam	İ³	UMa Aa	—	11538+5342	2.41	V	58001	103287	178.457679	53.694758 2016-07-20
Pherkad	Pherkad	HR 5735	gam	İ³	UMi	—	—	3.00	V	75097	137422	230.182150	71.834017 2016-08-21
Phoenicia	Phoenicia	HD 192263	V1703	V1703	Aql	—	20140-0052	7.79	V	99711	192263	303.499356	-0.866881 2019-12-17
Piautos	Piautos	HR 3268	lam	İ»	Cnc A	—	—	5.92	V	40881	70011	125.133901	24.022311 2018-06-01
Pincoya	Pincoya	HD 164604	—	—	Sgr	—	—	9.66	V	88414	164604	270.778888	-28.560655 2019-12-17
Pipirima	Pipirima	HR 6252	mu02	İ½	Sco A	—	16523-3801	3.56	V	82545	151985	253.083939	-38.017535 2017-09-05 *
Pipoltr	Pipoltr	TrES-3	V1434	V1434	Her	—	—	12.20	G	—	—	268.029244	37.546177 2019-12-17
Pleione	Pleione	HR 1180	28	28	Tau Aa	—	03492+2408	5.05	V	17851	23862	57.296738	24.136710 2016-06-30
Poerava	Poerava	HD 221287	—	—	Tuc	—	—	7.82	V	116084	221287	352.834742	-58.209731 2019-12-17
Polaris	Polaris	HR 424	alf	İ±	UMi Aa	—	02318+8916	2.13	V	11767	8890	37.954561	89.264109 2016-06-30
Polaris Australis	Polaris Australis	HR 7228	sig	İf	Oct	—	—	5.45	V	104382	177482	317.195164	-88.956499 2017-09-05
Polis	Polis	HR 6812	mu	İ½	Sgr Aa	—	18138-2104	3.84	V	89341	166937	273.440870	-21.058832 2017-09-05
Pollux	Pollux	HR 2990	bet	İ²	Gem	—	07453+2802	1.16	V	37826	62509	116.328958	28.026199 2015-12-15
Porrima	Porrima	HR 4825	gam	İ³	Vir A	—	12417-0127	3.44	V	61941	110379	190.415181	-1.449373 2016-07-20
Praecipua	Praecipua	HR 4247	46	46	LMI	—	—	3.79	V	53229	94264	163.327937	34.214872 2017-06-30
Prima Hyadum	Prima Hyadum	HR 1346	gam	İ³	Tau A	—	04198+1538	3.65	V	20205	27371	64.948349	15.627643 2017-09-05
Procyon	Procyon	HR 2943	alf	İ±	Cmi A	—	07393+0514	0.40	V	37279	61421	114.825493	5.224993 2016-06-30
Propus	Propus	HR 2216	eta	İ·	Gem A	—	06149+2230	3.32	V	29655	42995	93.719405	22.506794 2016-07-20
Proxima Centauri	Proxima Centauri	GJ 551	alf	İ±	Cen C	—	14396-6050	11.01	V	70890	999999	217.428953	-62.679484 2016-08-21 *
Ran	Ran	HR 1084	eps	İµ	Eri	—	03329-0927	3.73	V	16537	22049	53.232687	-9.458259 2015-12-15
Rana	Rana	HR 1136	del	İ´	Eri	—	—	3.53	V	17378	23249	55.812086	-9.763392 2022-04-04
Rapeto	Rapeto	HD 153950	—	—	Sco	—	—	7.39	V	83547	153950	256.128629	-43.309770 2019-12-17
Rasalas	Rasalas	HR 3905	mu	İ½	Leo	—	—	3.88	V	48455	85503	148.190903	26.006953 2016-09-12
Rasalgethi	Rasalgethi	HR 6406	alf01	İ±1	Her Aa	—	17146+1423	3.37	V	84345	156014	258.661910	14.390333 2016-06-30
Rasalhague	Rasalhague	HR 6556	alf	İ±	Oph A	—	17349+1234	2.08	V	86032	159561	263.733627	12.560035 2016-07-20
Rastaban	Rastaban	HR 6536	bet	İ²	Dra A	—	17304+5218	2.79	V	85670	159181	262.608174	52.301389 2016-08-21
Regulus	Regulus	HR 3982	alf	İ±	Leo A	—	10084+1158	1.36	V	49669	87901	152.092962	11.967209 2016-06-30
Revati	Revati	HR 361	zet	İ¶	Psc A	—	01137+0735	5.21	V	5737	7344	18.432864	7.575354 2017-06-30
Rigel	Rigel	HR 1713	bet	İ²	Ori A	—	05145-0812	0.18	V	24436	34085	78.634467	-8.201638 2016-06-30
Rigil Kentaurus	Rigil Kentaurus	HR 5459	alf	İ±	Cen A	—	14396-6050	-0.01	V	71683	128620	219.902066	-60.833975 2016-11-06 *
Rosaliadecastro	Rosalı̇adecastro	HD 149143	—	—	Oph	—	—	7.89	V	81022	149143	248.212712	2.084828 2019-12-17
Rotanev	Rotanev	HR 7882	bet	İ²	Del A	—	20375+1436	3.64	V	101769	196524	309.387235	14.595115 2016-09-12
Ruchbah	Ruchbah	HR 403	del	İ´	Cas Aa	—	01258+6014	2.66	V	6686	8538	21.453964	60.235284 2016-08-21
Rukbat	Rukbat	HR 7348	alf	İ±	Sgr	—	—	3.96	V	95347	181869	290.971570	-40.615940 2016-07-20
Sabik	Sabik	HR 6378	eta	İ·	Oph A	—	17104-1544	2.43	V	84012	155125	257.594529	-15.724907 2016-08-21
Saclateni	Saclateni	HR 1612	zet	İ¶	Aur A	—	05025+4105	3.69	V	23453	32068	75.619531	41.075839 2017-06-30
Sadachbia	Sadachbia	HR 8518	gam	İ³	Aqr Aa	—	22217-0123	3.86	V	110395	212061	335.414064	-1.387334 2016-08-21
Sadalbari	Sadalbari	HR 8684	mu	İ½	Peg	—	—	3.51	V	112748	216131	342.500809	24.601577 2016-08-21
Sadalmelik	Sadalmelik	HR 8414	alf	İ±	Aqr A	—	22058-0019	2.95	V	109074	209750	331.445983	-0.319849 2016-08-21
Sadalsuud	Sadalsuud	HR 8232	bet	İ²	Aqr A	—	21316-0534	2.90	V	106278	204867	322.889715	-5.571176 2016-08-21
Sadr	Sadr	HR 7796	gam	İ³	Cyg A	—	20222+4015	2.23	V	100453	194093	305.557091	40.256679 2016-08-21
Sagarmatha	Sagarmatha	HD 100777	—	—	Leo	—	—	8.42	V	56572	100777	173.964679	-04.755695 2019-12-17
Saiph	Saiph	HR 2004	kap	İº	Ori	—	—	2.07	V	27366	38771	86.939120	-9.669605 2016-07-20

Salm	Salm	HR 8880	tau	İ,,	Peg _	4.58	V	115250	220061	350.159341	23.740336	2017-09-05	
Samaya	SĀmaya	HD 205739	—	—	PsA _	8.56	V	106824	205739	324.535016	-31.737484	2019-12-17	
Sansuna	Sansuna	HAT-P-34	—	—	Sge _	20127+1806	10.31	V	—	303.195361	18.104833	2019-12-17	
Sargas	Sargas	HR 6553	tet	İ,	Sco A	17373-4300	1.86	V	86228	159532	264.329711	-42.997824	2016-08-21
Sarin	Sarin	HR 6410	del	İ´	Her Aa	17150+2450	3.12	V	84379	156164	258.757963	24.839204	2016-09-12
Sceptrum	Sceptrum	HR 1481	53	53	Eri A	04382-1418	4.02	V	21594	29503	69.545104	-14.304017	2017-06-30
Scheat	Scheat	HR 8775	bet	İ²	Peg _	23038+2805	2.44	V	113881	217906	345.943572	28.082785	2016-06-30
Schedar	Schedar	HR 168	alf	İ±	Cas _	00405+5632	2.24	V	3179	3712	10.126838	56.537331	2016-08-21
Secunda Hyadum	Secunda Hyadum	HR 1373	del01	İ´1	Tau Aa	04230+1732	3.78	V	20455	27697	65.733719	17.542514	2017-09-05
Segin	Segin	HR 0542	eps	İµ	Cas _	—	3.35	V	8886	11415	28.598857	63.670101	2017-09-05
Seginus	Seginus	HR 5435	gam	İ³	Boo Aa	14321+3818	3.04	V	71075	127762	218.019466	38.308251	2016-08-21
Sham	Sham	HR 7479	alf	İ±	Sge _	19401+1801	4.39	V	96757	185758	295.024133	18.013891	2016-09-12
Shama	Shama	HD 99109	—	—	Leo _	—	9.10	V	55664	99109	171.072328	-1.529073	2019-12-17
Sharjah	Sharjah	HIP 79431	—	—	Sco _	—	11.34	V	79431	—	243.174084	-18.875503	2019-12-17
Shaula	Shaula	HR 6527	lam	İ»	Sco Aa	17336-3706	2.08	V	85927	158926	263.402167	-37.103824	2016-07-20
Sheliak	Sheliak	HR 7106	bet	İ²	Lyr Aa1	18501+3322	3.60	V	92420	174638	282.519978	33.362668	2016-08-21
Sheratan	Sheratan	HR 553	bet	İ²	Ari A	01546+2049	2.70	V	8903	11636	28.660046	20.808031	2016-07-20
Sika	Sika	HD 181720	—	—	Sgr _	—	7.84	V	95262	181720	290.720770	-32.919053	2019-12-17
Sirius	Sirius	HR 2491	alf	İ±	CMa A	06451-1643	-1.45	V	32349	48915	101.287155	-16.716116	2016-06-30
Situla	Situla	HR 8610	kap	İº	Aqr A	22378-0414	5.04	V	111710	214376	339.439084	-4.228056	2016-09-12
Skat	Skat	HR 8709	del	İ´	Aqr A	—	3.27	V	113136	216627	343.662556	-15.820827	2016-08-21
Solaris	Solaris	BD+14 4559	—	—	Peg _	—	9.78	V	104780	—	318.399959	14.689385	2019-12-17
Spica	Spica	HR 5056	alf	İ±	Vir Aa	13252-1110	0.98	V	65474	116658	201.298247	-11.161319	2016-06-30
Sterrennacht	Sterrennacht	HAT-P-6	—	—	And _	—	10.54	V	—	—	354.774209	42.465973	2019-12-17
Stribor	Stribor	HD 75898	—	—	Lyn _	—	8.03	V	43674	75898	133.461689	33.056812	2019-12-17
Sualocin	Sualocin	HR 7906	alf	İ±	Del Aa	20396+1555	3.86	V	101958	196867	309.909530	15.912073	2016-09-12
Subra	Subra	HR 3852	omi	İ¿	Leo Aa	09412+0954	3.52	V	47508	83808	145.287640	9.892308	2016-09-12
Suhail	Suhail	HR 3634	lam	İ»	Vel _	09080-4326	2.23	V	44816	78647	136.998993	-43.432589	2016-08-21
Sulafat	Sulafat	HR 7178	gam	İ³	Lyr _	18589+3241	3.25	V	93194	176437	284.735928	32.689557	2016-08-21
Syrma	Syrma	HR 5338	iot	İ¹	Vir _	—	4.07	V	69701	124850	214.003623	-6.000545	2016-09-12
Tabit	Tabit	HR 1543	pi03	İ€3	Ori _	04498+0658	3.19	V	22449	30652	72.460045	6.961275	2017-09-05
Taika	Taika	HAT-P-40	—	—	Lac _	—	11.35	V	—	—	335.512865	45.457366	2019-12-17
Taiyangshou	Taiyangshou	HR 4518	chi	İ±	UMa _	—	3.69	V	57399	102224	176.512559	47.779406	2017-06-30
Taiyi	Taiyi	HR 4916	8	8	Dra _	—	5.23	V	63076	112429	193.868951	65.438474	2017-06-30
Talitha	Talitha	HR 3569	iot	İ¹	UMa Aa	08592+4803	3.12	V	44127	76644	134.801890	48.041826	2016-07-20
Tangra	Tangra	WASP-21	—	—	Peg _	—	11.40	G	—	—	347.492723	18.396078	2019-12-17
Tania Australis	Tania Australis	HR 4069	mu	İ¼	UMa A	—	3.06	V	50801	89758	155.582250	41.499519	2016-07-20
Tania Borealis	Tania Borealis	HR 4033	lam	İ»	UMa A	—	3.45	V	50372	89021	154.274095	42.914356	2016-07-20
Tapecue	Tapecue	HD 63765	—	—	Car _	—	8.10	V	38041	63765	116.957168	-54.264144	2019-12-17
Tarazed	Tarazed	HR 7525	gam	İ³	Aql _	19463+1037	2.72	V	97278	186791	296.564915	10.613262	2016-08-21
Tarf	Tarf	HR 3249	bet	İ²	Cnc A	08165+0911	3.53	V	40526	69267	124.128838	9.185544	2018-06-01
Taygeta	Taygeta	HR 1145	19	19	Tau Aa	03452+2428	4.30	V	17531	23338	56.302063	24.467270	2016-08-21
Tegmine	Tegmine	HR 3208	zet01	İ¶1	Cnc A	08122+1739	5.24	V	40167	68255	123.053168	17.647801	2016-09-12
Tejat	Tejat	HR 2286	mu	İ¼	Gem Aa	06230+2231	2.87	V	30343	44478	95.740112	22.513583	2017-02-01
Terebellum	Terebellum	HR 7597	ome	İ¾	Sgr A	—	4.70	V	98066	188376	298.959838	-26.299534	2017-09-05
Tevel	Tevel	HAT-P-9	—	—	Aur _	—	12.15	G	—	—	110.168568	37.140651	2019-12-17
Theemin	Theemin	HR 1464	ups02	İ...2	Eri _	—	3.81	V	21393	29291	68.887660	-30.562341	2017-02-01

Thuban	Thuban	HR 5291	alf	İ±	Dra A	14044+6423	3.67	V	68756	123299	211.097291	64.375851	2016-06-30	
Tiaki	Tiaki	HR 8636	bet	İ²	Gru _		2.12	V	112122	214952	340.666876	-46.884576	2017-09-05	
Tianguan	Tianguan	HR 1910	zet	İ¶	Tau A		2.97	V	26451	37202	84.411189	21.142544	2017-06-30	
Tianyi	Tianyi	HR 4863	7	7	Dra _		5.43	V	62423	111335	191.893099	66.790305	2017-06-30	
Timir	Timir	HD 148427	—	—	Oph _		6.89	V	80687	148427	247.117296	-13.399636	2019-12-17	
Tislit	Tislit	WASP-161	—	—	Pup _		10.77	V			126.337846	-11.500986	2019-12-17	
Titawin	Titawin	HR 458	ups	İ...	And A	01368+4124	4.09	V	7513	9826	24.199342	41.405457	2015-12-15	
Tojil	Tojil	WASP-22	—	—	Eri _	03313-2349	11.58	G			052.818029	-23.819678	2019-12-17	
Toliman	Toliman	HR 5460	alf	İ±	Cen B	14396-6050	1.35	V	71681	128621	219.896096	-60.837528	2018-08-10	*
Tonatiuh	Tonatiuh	HR 4609	—	—	Cam _		5.80	V	58952	104985	181.312995	76.905735	2015-12-15	
Torcular	Torcular	HR 510	omi	İç	Psc A	01454+0909	4.29	V	8198	10761	26.348466	9.157737	2017-09-05	
Tuiren	Tuiren	HAT-P-36	—	—	CVn _		12.09	G			188.266276	44.915333	2019-12-17	
Tupa	TupÆ	HD 108147	—	—	Cru _	12258-6401	6.99	V	60644	108147	186.442779	-64.022088	2019-12-17	
Tupi	Tupi	HD 23079	—	—	Ret _		7.12	V	17096	23079	54.929567	-52.915838	2019-12-17	
Tureis	Tureis	HR 3185	rho	İ	Pup A	08075-2418	2.83	V	39757	67523	121.886037	-24.304324	2016-09-12	
Ukdah	Ukdah	HR 3845	iot	İ¹	Hya _		3.90	V	47431	83618	144.964008	-1.142810	2018-06-01	
Uklun	Uklun	HD 102117	—	—	Cen _		7.47	V	57291	102117	176.210254	-58.703710	2019-12-17	
Unukalhai	Unukalhai	HR 5854	alf	İ±	Ser _	15443+0626	2.63	V	77070	140573	236.066976	6.425629	2016-08-21	
Uruk	Uruk	HD 231701	—	—	Sge _		8.97	V	96078	231701	293.017338	16.474289	2019-12-17	
Vega	Vega	HR 7001	alf	İ±	Lyr _	18369+3846	0.03	V	91262	172167	279.234735	38.783689	2016-06-30	
Veritate	Veritate	HR 8930	14	14	And A	23313+3914	5.22	V	116076	221345	352.822556	39.236197	2015-12-15	
Vindematrix	Vindematrix	HR 4932	eps	İµ	Vir _	13022+1058	2.85	V	63608	113226	195.544157	10.959149	2016-07-20	
Wasat	Wasat	HR 2777	del	İ´	Gem Aa	07201+2159	3.52	V	35550	56986	110.030749	21.982316	2016-08-21	
Wazn	Wazn	HR 2040	bet	İ²	Col _	05510-3546	3.12	V	27628	39425	87.739968	-35.768310	2016-07-20	
Wezen	Wezen	HR 2693	del	İ´	CMa Aa	07084-2624	1.83	V	34444	54605	107.097850	-26.393200	2016-07-20	
Wurren	Wurren	HR 338	zet	İ¶	Phe Aa	01084-5515	4.02	V	5348	6882	17.096173	-55.245758	2017-11-17	
Xamidimura	Xamidimura	HR 6247	mu01	İ¼1	Sco Aa	16519-3803	3.00	V	82514	151890	252.967630	-38.047380	2017-09-05	*
Xihe	Xihe	HD 173416	—	—	Lyr _		6.04	V	91852	173416	280.900456	36.556606	2019-12-17	
Xuange	Xuange	HR 5351	lam	İ»	Boo _	14164+4605	4.18	V	69732	125162	214.095912	46.088306	2017-06-30	
Yed Posterior	Yed Posterior	HR 6075	eps	İµ	Oph _	16183-0442	3.23	V	79882	146791	244.580374	-4.692510	2016-10-05	
Yed Prior	Yed Prior	HR 6056	del	İ´	Oph _	16143-0342	2.73	V	79593	146051	243.586411	-3.694323	2016-10-05	
Yildun	Yildun	HR 6789	del	İ´	UMi _	17322+8635	4.35	V	85822	166205	263.054126	86.586462	2016-08-21	
Zaniah	Zaniah	HR 4689	eta	İ·	Vir Aa	12199-0040	4.60	V	60129	107259	184.976476	-0.666793	2016-09-12	
Zaurak	Zaurak	HR 1231	gam	İ³	Eri _	03580-1331	2.97	V	18543	25025	59.507360	-13.508516	2016-07-20	
Zavijava	Zavijava	HR 4540	bet	İ²	Vir _	11507+0146	3.59	V	57757	102870	177.673826	1.764717	2016-08-21	
Zhang	Zhang	HR 3903	ups01	İ...1	Hya A		4.11	V	48356	85444	147.869558	-14.846603	2017-06-30	
Zibal	Zibal	HR 984	zet	İ¶	Eri Aa	03158-0849	4.80	V	15197	20320	48.958436	-8.819731	2016-09-12	
Zosma	Zosma	HR 4357	del	İ´	Leo _	11141+2031	2.56	V	54872	97603	168.527089	20.523718	2016-07-20	
Zubenelgenubi	Zubenelgenubi	HR 5531	alf02	İ±2	Lib Aa	14509-1603	2.75	V	72622	130841	222.719638	-16.041777	2016-08-21	
Zubenelhakrabi	Zubenelhakrabi	HR 5787	gam	İ³	Lib A	15355-1447	3.91	V	76333	138905	233.881578	-14.789536	2017-09-05	
Zubeneschamali	Zubeneschamali	HR 5685	bet	İ²	Lib _		2.61	V	74785	135742	229.251724	-9.382914	2016-08-21	
#Name/ASCII	Name/Diacritics	Designation	ID	ID	Con #	WDS_J	mag	bnd	HIP	HD	RA(J2000)	Dec(J2000)	Date	Notes
#(1)	(2)	(3)	(4)	(5)	(6) (7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

#

Notes:

(1) Proper name adopted by IAU WGSN (ASCII version)

(2) Proper name adopted by IAU Working Group on Star Names (WGSN)

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# (version with diacritic symbols, UTF-8).
# (3) Fiducial designation (in order of preference and availability):
# HR, GJ, HD, HIP, or discovery survey designation for host stars
# of transiting exoplanets (see SIMBAD;
# http://simbad.u-strasbg.fr/simbad/).
# (4) ID column is either (in order of preference and availability)
# Bayer greek letter (using SIMBAD databases; e.g. "alf" = alpha; see
# table http://simbad.u-strasbg.fr/Pages/guide/chA.htm), Flamsteed
# numbers (both following The Bright Star Catalogue [BSC], 5th Revised
# Ed. (Hoffleit & Warren 1991), or variable star designations.
# (5) ID, same as column 3 but Bayer Greek letters in UTF-8 encoding.
# (6) Constellation (3-letter IAU abbrev.; following "The IAU Style Manual",
# Wilkins 1989, Table 11).
# (7) The "#" after the constellation column is the component ID to
# Washington Double Star (WDS) catalog multiple system, if needed
# (e.g. Proxima Centauri = alf Cen "C"), but may be left blank
# (" ") where the primary, by visual brightness, is unambiguous
# (blank = A) or if the other WDS catalogue entries are obviously
# unphysical (i.e. the star appears to have no known physical
# stellar companions). Component IDs are also given where the
# star does not have a WDS entry (i.e. is not a resolved
# multiple), but the star is either known to be a spectroscopic
# binary or astrometric binary in the literature (usually a "A"
# or "Aa" is given in those cases, e.g. Wezen). Many thanks to
# Brian Mason (IAU Commission G1 Binary and Multiple Star
# Systems) for help with vetting the WDS designations and IDs.
# (8) WDS designation for multiple systems (or candidate multiple systems),
# the official double star catalogue of IAU Commission 26 (now
# (9) Magnitude in either Johnson V or Gaia G photometric system. For
# multiple stars, the V magnitude of the component is listed
# where available or calculable, however in some cases (e.g. some
# spectroscopic binaries, astrometric binaries), the unresolved
# magnitude is listed. Magnitudes are preferentially from The
# Hipparcos and Tycho catalogues (ESA 1997), WDS, or Gaia DR2
# catalog.
# (10) Band (V or G) for magnitude listed in column (9).
# (11) HIP designations from The Hipparcos and Tycho Catalogues (ESA 1997).
# (12) HD designations, usually cross-identified from SIMBAD, BSC, HIP
# catalogues.
# (13) Right Ascension (ICRS, epoch 2000.0)
# (14) Declination (ICRS, epoch 2000.0) Columns 10 and 11 are
# calculated for epoch 2000.0 using Vizier, usually using
# positions and proper motions from the revised Hipparcos
# catalogue ("Hipparcos, the New Reduction of the Raw Data" (van
# Leeuwen 2007 A&A, 474, 653), Gaia DR2 (Gaia Collaboration et
# al. 2018 A&A, 616, A1), or Tycho-2 catalogue (Hog et al. 2000,
# A&A, 355, L27).

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# (15) Date approved. Names marked approved "2015-12-15" are exoplanet
# host star names - a mix of common names and names adopted via
# the NameExoWorlds contest - reviewed and adopted by the
# Executive Committee WG Public Naming of Planets and Planetary
# Satellites, and recognized by WGSN (although the posted date
# pre-dates WGSN). Names dated "2019-12-17" are exoplanet host
# star names from the IAU100 NameExoWorlds public naming
# campaign, and the winning entries were reviewed and adopted by
# the IAU100 NameExoWorlds Steering Committee (which had
# representatives from WGSN).
# (16) Notes:
# * Acamar is tet01 Eri = tet Eri A = WDS J02583-4018A.
# * Algieba is gam01 Leo = gam Leo A = WDS J10200+1950A.
# * Alcor is 80 UMa A, which is component Ca of multiple WDS
# J13239+5456 (Mizar is component Aa).
# * Almach is gam01 And = gam And A = WDS J02039+4220A.
# * Phipps is mu02 Sco (WDS J16523-3801A) and Xamidimura is mu01 Sco
# Aa (WDS J16519-3803Aa) and, however the these two stars are a
# wide physical multiple (WDS J16519-3803AD; sep. 346.8").
# * alf Cen system: three stellar components have IAU names:
# A: Rigil Kentaurus, B: Toliman, C: Proxima Centauri.
#
# Notes on edits.
# 2018-06-11: Piautos: An incorrect position for Piautos was listed on a
# version of this list posted in early June 2018. The position
# has been corrected.
# 2018-06-19: The WDS and component entries for Polaris and Polaris
# Australis were flipped and this has been corrected.
# Polaris is WDS J02318+8916 Aa, while Polaris Australis
# has no WDS entry nor component ID.
# 2018-07-09: Okab: Typo in HIP # for Okab corrected to HIP 93747.
# 2018-08-10: Algedi: removed WDS component ID as none of the WDS
# entries appear to be physically related.
# 2018-08-10: Azmidi: removed WDS component ID as B is unlikely to
# be physically connected with A, and evidence for SB
# status of A is weak.
# 2018-08-10: Added: Gudja, Guniibuu, Imai, La Superba, Paikauhale & Toliman.
# 2018-09-07: Fixed: Cujam: fixed o Her to ĩ% Her (rest of data was correct).
# 2019-09-20: Fixed: Piautos: added A component as system is an
# unresolved spectroscopic binary (Gullikson et al., 2016,
# AJ, 152, 40).
# 2020-02-13: Added: 112 star names from IAU100 NameExoWorlds public
# naming campaign (see names, etymologies, and names of
# proposers at:
# http://www.nameexoworlds.iau.org/final-results). Note
# that the spelling of the name for HD 145457 from the
# Japan IAU100 NameExoWorlds campaign was originally
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"Kamui", but after consultation with the Hokkaido Ainu
association, the IAU100 NameExoWorlds Steering Committee
approved amending the spelling to "Kamuy".
2020-03-01: Added: Mazaalai = HAT-P-21. Mazaalai is the winning
entry from Mongolia, and the last star name approved by
the IAU100 NameExoWorlds Steering Committee for the 2019
public naming campaign (exoplanet HAT-P-21b was assigned
name Bambaruush).
2020-03-15: Several NameExoWorlds 2019 star names were found to be
misassigned to stars due to sorting errors (names from
Denmark(Muspelheim), Dominican Republic(Marohu),
Finland(Horna), Ireland(Tuiren), Malta(Sansuna),
Pakistan(Shama), Palestine(Moriah), Russia(Dombay),
Serbia(Morava), South Africa(Naledi)). The
name-designation assignments have been checked again
with: <http://www.nameexoworlds.iau.org/final-results>.
If you used the 2020-02-13 or 2020-03-01 versions,
please update to this latest version. Thank you to
Eduardo Penteado for pointing out the errors.
2021-04-04: Fixed accented version "Chaso" to "ChasoÂ" for HAT-P-5.
Clarification for HD 149143: The star name is spelled
"RosalÃadecastro" and the exoplanet b is "RÃaosar". The
accents were accidentally omitted in the IAU100 NameExoWorlds
announcement materials.
2022-04-04: Added "Geminga" and "Rana". See Annual Report WGSN 2021:
https://www.iau.org/static/science/scientific_bodies/working_groups/280/wg-starnames-annual-report-2021-2022.pdf