

OSSERVATORIO ASTRONOMICO PUBBLICO DI SORESINA

GRUPPO ASTROFILI SORESINESI – G.A.S.

Sezione Stelle Variabili Programma Osservativo

Il seguente è un elenco di stelle variabili, raggruppate in tabelle relative a campi del diametro di 1°.

Le stelle *designate in rosso* sono una selezione degli oggetti provenienti dai programmi osservativi “LPV/SPP” di AAVSO, situate al centro del campo.

AOV = altri oggetti variabili, posti ad una distanza angolare < 30' dalla stella variabile designata, e aventi magnitudine ≤ 16.0

AUID = AAVSO Unique Identifier, utile a recuperare i dati in via seriale tramite VStar dal database AAVSO.

Il periodo di variabilità indicato può essere considerato come il periodo ottenuto dalle stime più recenti disponibili, aggiornato al 1 giugno 2018.

Name	<i>AUID</i>	A.R.(J2000.0)	Dec.(J2000.0)	Class	Period (g)	Campaign	Star_0 a.r.	dec.
SW And	000-BBB-572	00h 23m 43.09s	+29° 24' 03.6"	RRAB/BL	0.442262	SPP		
AOV:								
LR And	000-BDC-908	00h 22m 49.88s	+29° 27' 15.4"	ELL	1.432321	bin. no eclip.		
ASASSN-V J002431.10+293200.4	--	00h 24m 31.10s	+29° 32' 00.4"	L	--	IRR		
CSS_J002232.9+293257	--	00h 22m 32.90s	+29° 32' 57.2"	EB	0.41905	EB		
CSS_J002512.6+292530	--	00h 25m 12.63s	+29° 25' 30.7"	EW	0.394457	EB		
CSS_J002532.6+293737	--	00h 25m 32.66s	+29° 37' 37.6"	EW	0.28896	EB		
R And	000-BBB-589	00h 24m 01.95s	+38° 34' 37.3"	M	409.20	LPV		
AOV:								
HAT-163-0003040	--	00h 23m 00.93s	+38° 33' 19.6"	VAR	37.195395	?		
NSV 15082	000-BBB-544	00h 22m 57.40s	+38° 45' 15.0"	--	--	?		
CSS_J002251.1+384717	--	00h 22m 51.11s	+38° 47' 17.4"	EW	0.264984	EB		
CSS_J002500.9+384928	--	00h 25m 00.90s	+38° 49' 28.1"	EW	0.322954	EB		
CSS_J002540.5+383210	--	00h 25m 40.53s	+38° 32' 10.0"	EW	0.331471	EB		
HAT-163-0006608	--	00h 24m 12.17s	+38° 54' 48.8"	VAR	15.027501	?		

CSS_J002509.1+385544	--	00h 25m 09.16s	+38° 55' 44.2"	VAR	--	?
XX And	000-BBC-674	01h 17m 27.41s	+38° 57' 02.0"	RRAB/BL	0.722757	SPP
AOV:						
CSS_J011825.0+391338	--	01h 18m 25.09s	+39° 13' 38.4"	EW	0.544027	EB
RU And	000-BBD-183	01h 38m 36.30s	+38° 40' 13.5"	SRA	238.30	LPV
AOV:						
V0540 And	--	01h 37m 27.14s	+39° 00' 08.4"	RS	1.0616	binary+spots
CSS_J014029.3+385702	--	01h 40m 29.35s	+38° 57' 02.9"	EW	0.406689	EB
S Per	000-BBD-777	02h 22m 51.71s	+58° 35' 11.4"	SRC	822.00	LPV
AOV:						
NSV 788	000-BFT-908	02h 20m 40.14s	+58° 34' 46.5"	--	--	?
ASASSN-V J022441.46+582233.3	--	02h 24m 41.46s	+58° 22' 33.3"	L	--	IRR
GSC 03698-00022	000-BMM-990	02h 22m 11.09s	+58° 54' 29.1"	EA	1.844336	SPP
NSV 818	000-BBD-801	02h 24m 28.09s	+58° 18' 02.5"	GCAS:	--	IRR+erup.
ASASSN-V J022519.34+581610.7	--	02h 25m 19.34s	+58° 16' 10.7"	L	--	IRR
NSVS J0219219+583447	--	02h 19m 21.90s	+58° 34' 46.7"	MISC	245	?
NSVS 1909158	--	02h 19m 34.34s	+58° 23' 57.3"	L	--	IRR
ASASSN-V J022625.79+582802.3	--	02h 26m 25.79s	+58° 28' 02.3"	YSO	--	Young St. Ob.
ASASSN-V J021921.54+582508.6	--	02h 19m 21.54s	+58° 25' 08.5"	EA	3.10705	EB
W Per	000-BBF-561	02h 50m 37.89s	+56° 59' 00.3"	SRC	485.00	LPV
AOV:						
NSV 960	000-BBF-578	02h 51m 50.62s	+57° 00' 12.3"	LB	--	IRR
NSVS J0251387+565320	--	02h 51m 38.71s	+56° 53' 20.4"	L	313	IRR
V0480 Per	000-BBF-518	02h 49m 30.73s	+57° 05' 03.5"	ACYG	--	IRR Pulsator
NSVS J0251140+571647	000-BKK-981	02h 51m 13.98s	+57° 16' 47.1"	L	193	IRR
EO Per	000-BBF-562	02h 50m 38.65s	+57° 20' 10.4"	ISA	--	IRR+nebula
ASASSN-V J025320.87+570718.0	--	02h 53m 20.87s	+57° 07' 18.0"	L	--	IRR
NSVS 1932661	000-BKK-982	02h 50m 54.93s	+57° 22' 35.2"	L	--	IRR
Mis V1399	000-BKK-980	02h 51m 11.60s	+57° 25' 09.7"	EA:	--	EB
U Cam	000-BBG-138	03h 41m 48.17s	+62° 38' 54.4"	SRB	--	LPV
AOV:						
ASASSN-V J034117.73+622742.8	--	03h 41m 17.73s	+62° 27' 42.8"	EA	2.27708	EB
X Cam	000-BBH-362	04h 45m 42.19s	+75° 06' 03.5"	M	143.56	LPV

AOV:

n.a.

X Aur **000-BBK-824** 06h 12m 13.38s +50° 13' 40.4" M 163.79 LPV
AOV:

ASASSN-V J061135.04+503408.2 -- 06h 11m 35.03s +50° 34' 08.3" RRAB 0.530313 SPP

ASASSN-V J061455.07+500213.6 -- 06h 14m 55.07s +50° 02' 13.6" L -- IRR

KQ Aur **000-BBK-933** 06h 15m 17.57s +50° 12' 02.9" LB -- IRRV0511 Aur **000-BCT-904** 06h 09m 10.04s +50° 17' 27.1" SR: -- LPV

AG Aur **000-BBL-358** 06h 27m 35.31s +47° 01' 51.9" SRD 96.00 LPV
AOV:GQ Aur **000-BBL-333** 06h 26m 42.88s +47° 14' 23.6" M 304.75 LPV

CSS_J062901.7+470816 -- 06h 29m 01.77s +47° 08' 16.2" EW 0.27709 EB

HAT-133-0003744 -- 06h 27m 06.40s +47° 25' 17.0" VAR 30.750885 ?

TZ Aur **000-BBM-663** 07h 11m 35.20s +40° 46' 37.1" RRAB 0.391674615 SPP
AOV:

V0650 Aur -- 07h 11m 45.01s +40° 32' 07.2" ELL: 0.645 bin. no eclip.

CSS_J071243.9+403849 -- 07h 12m 43.96s +40° 38' 49.7" EW 0.268389 EB

TSVSC1 TN-N230322331-62-67-2 -- 07h 11m 37.93s +41° 06' 06.3" VAR 0.303284 ?

HAT-175-0006522 -- 07h 09m 33.37s +40° 45' 35.0" VAR 7.458315 ?

HAT-175-0006094 -- 07h 09m 40.42s +40° 55' 29.0" VAR 0.252038 ?

HAT-176-0001164 -- 07h 13m 52.80s +40° 39' 32.0" VAR 40.667979 ?

RZ UMa **000-BBP-207** 08h 10m 59.74s +65° 13' 22.1" SRB 115.00 LPV
AOV:

LINEAR 361795 -- 08h 11m 13.51s +65° 20' 45.5" EW 0.311585 EB

ASASSN-V J081120.10+653521.5 -- 08h 11m 20.10s +65° 35' 21.5" L -- IRR

RX UMa **000-BCX-400** 09h 14m 25.34 +67° 15' 38.3" SRB 195.00 LPV
AOV:

n.a.

WW Leo **000-BBQ-480** 09h 30m 26.12s +07° 12' 21.1" RRAB 0.6028494 SPP
AOV:

n.a.

U LMi **000-BBQ-983** 09h 54m 38.64s +36° 05' 23.9" SRA 272.20 LPV
AOV:

n.a.						
RY Leo	000-BBR-126	10h 04m 15.91s	+13° 58' 57.7"	SRB	155.00	LPV
AOV:						
LINEAR 21192780	--	10h 02m 47.76s	+13° 52' 02.8"	EA	0.447281	EB
T CVn	000-BBS-883	12h 30m 12.40s	+31° 30' 12.0"	SRA	290.09	LPV
AOV:						
AS CVn	000-BDH-669	12h 30m 55.61s	+31° 52' 12.6"	UV	---	CV
T UMa	000-BBT-010	12h 36m 23.47s	+59° 29' 13.0"	M	256.60	LPV
AOV:						
NSVS J1236197+591657	--	12h 36m 19.73s	+59° 16' 56.8"	L:	154.00	IRR
RS UMa	000-BBT-072	12h 38m 57.55s	+58° 29' 00.2"	M	258.97	LPV
AOV:						
CSS_J123953.5+583957	--	12h 39m 53.52s	+58° 39' 57.5"	RRAB	0.54205	SPP
ASAS J123858+5844.3	--	12h 38m 57.84s	+58° 44' 15.3"	ROT	0.373850	rotating+spots
UV UMa	000-BCX-405	12h 59m 25.96s	+52° 45' 24.1"	SRA	65.65	LPV
AOV:						
V0401 UMa	--	13h 00m 25.68s	+53° 03' 30.0"	EW	0.28045	EB
T UMi	000-BBT-772	13h 34m 41.05s	+73° 25' 52.9"	SR	115.70	LPV
AOV:						
ASASSN-V J133331.13+734351.0	--	13h 33m 31.15s	+73° 43' 51.0"	RRAB	0.603349	SPP
VSX J132928.9+733900	000-BKN-175	13h 29m 28.95s	+73° 39' 00.1"	EW	0.30604	EB
NSV 6362	000-BBT-805	13h 37m 43.60s	+73° 00' 29.5"	--	--	?
R CVn	000-BBT-972	13h 48m 57.05s	+39° 32' 33.2"	M	328.53	LPV
AOV:						
CSS_J134925.3+393524	--	13h 49m 25.26s	+39° 35' 23.9"	RRAB	0.61597	SPP
SS CVn	000-BBT-940	13h 48m 15.90s	+39° 54' 03.3"	RRAB/BL	0.4785081	SPP
HAT-188-0002410	--	13h 48m 04.60s	+39° 08' 02.2"	VAR	4.443230	?
UY Boo	000-BBV-096	13h 58m 46.34s	+12° 57' 06.5"	RRAB/BL	0.650902	SPP
AOV:						
TSVSC1 TN-N121130023-12-67-2	--	13h 58m 36.21s	+13° 26' 10.0"	EW	0.3863912	EB
U UMi	000-BBV-307	14h 17m 19.90s	+66° 47' 39.2"	M	330.92	LPV
AOV:						
VSX J141530.2+664522	000-BKJ-193	14h 15m 30.23s	+66° 45' 22.2"	EW	0.2844507	EB

NSV 6640	000-BBV-331	14h 20m 14.58s	+66° 53' 40.0"	LB	--	IRR
ASASSN-V J141428.25+663033.5	--	14h 14m 28.25s	+66° 30' 33.5"	RRC	0.315750	SPP
R Cam	000-BBV-312	14h 17m 51.03s	+83° 49' 53.8"	M	270.22	LPV
AOV:						
V0519 Cam	--	14h 15m 24.98s	+84° 03' 33.4"	EA	0.85026	EB
NSV 6712	000-BFT-591	14h 28m 23.99s	+83° 49' 21.3"	L	--	IRR
S Boo	000-BBV-354	14h 22m 52.92s	+53° 48' 37.3"	M	270.73	LPV
AOV:						
NSV 6661	000-BBV-384	14h 24m 37.05s	+53° 41' 46.9"	--	--	?
HD 126138	--	14h 21m 59.86s	+53° 31' 16.3"	VAR	--	?
UU Boo	000-BBV-970	15h 17m 05.26s	+35° 06' 56.5"	RRAB	0.4569205	SPP
AOV:						
V0376 Boo	--	15h 17m 24.32s	+35° 03' 56.3"	EW	0.295566	EB
S CrB	000-BBW-063	15h 21m 23.96s	+31° 22' 02.6"	M	360.26	LPV
AOV:						
WHAT236 9858	--	15h 21m 01.13s	+31° 34' 23.8"	E	0.34409	EB
AY CrB	000-BFT-084	15h 22m 35.76s	+31° 08' 03.4"	EW	0.46047779	EB
UU CrB	000-BBW-104	15h 22m 52.83s	+31° 33' 13.2"	--	--	?
ST Boo	000-BBW-219	15h 30m 39.23s	+35° 47' 04.3"	RRAB/BL	0.622290687	SPP
AOV:						
BD CrB	000-BKC-263	15h 31m 22.38s	+35° 52' 54.4"	EW	0.356866	EB
V CrB	000-BBW-598	15h 49m 31.31s	+39° 34' 17.9"	M	357.63	LPV
AOV:						
HIP 77681	--	15h 51m 32.90s	+39° 44' 09.2"	VAR	4.32376	?
R Ser	000-BBW-615	15h 50m 41.73s	+15° 08' 01.1"	M	356.41	LPV
AOV:						
CSS_J155051.0+150227	--	15h 50m 51.04s	+15° 02' 27.3"	EW	0.765914	EB
CSS_J155029.7+151352	--	15h 50m 29.76s	+15° 13' 52.1"	RRAB	0.6033284	SPP
NSV 20422	000-BBW-642	15h 52m 00.00s	+15° 14' 09.0"	--	--	?
VSX J155044.4+153558	--	15h 50m 44.42s	+15° 35' 58.2"	RRAB/BL	0.54857	SPP
ASAS J155241+1512.3	000-BHG-108	15h 52m 40.62s	+15° 12' 16.1"	MISC	1.000	?
RU Her	000-BBX-100	16h 10m 14.52s	+25° 04' 14.4"	M	440.80	LPV
AOV:						

NSV 20540	000-BBX-125	16h 11m 23.30s	+24° 58' 01.0"	VAR: --	?
V0681 Her	000-BBX-135	16h 11m 39.09s	+25° 01' 00.0"	EA 0.579310	EB
ASAS J160847+2511.7	000-BHG-764	16h 08m 47.16s	+25° 11' 44.4"	EW 0.350224	EB
V0677 Her	000-BDR-571	16h 08m 04.18s	+24° 59' 19.6"	RRAB 0.4757315	SPP
U Her	000-BBX-488	16h 25m 47.47s	+18° 53' 32.9"	M 404.00	LPV
AOV:					
ASAS J162540+1912.3	000-BHH-515	16h 25m 39.52s	+19° 12' 20.2"	DSCT 0.057172	SPP
NSV 7707	000-BBX-464	16h 25m 15.85s	+19° 14' 23.0"	SRB: 16.77	LPV
ASAS J162525+1831.2	--	16h 25m 25.18s	+18° 31' 12.6"	MISC 33.018954	?
V0541 Her	000-BDR-455	16h 24m 05.12s	+18° 48' 25.1"	RRAB 0.56820	SPP
DY Her	000-BBX-619	16h 31m 17.95s	+11° 59' 52.5"	DSCT 0.148631353	SPP
AOV:					
LINEAR 18593018	--	16h 32m 17.78s	+11° 49' 10.3"	EW 0.356704	EB
ROTSE1 J163126.35+121920.7	--	16h 31m 26.36s	+12° 19' 20.7"	EW 0.29835200	EB
NSV 20678	000-BBX-633	16h 31m 37.40s	+12° 19' 58.0"	-- --	?
CSS_J163257.8+120358	--	16h 32m 57.88s	+12° 03' 58.5"	RS 1.1499886	binary+spots
R Dra	000-BBX-660	16h 32m 40.23s	+66° 45' 17.9"	M 245.60	LPV
AOV:					
n.a.					
TW Her	000-BBZ-639	17h 54m 31.20s	+30° 24' 37.7"	RRAB 0.399600104	SPP
AOV:					
HAT-241-0005487	--	17h 53m 54.08s	+30° 14' 52.0"	VAR 13.526204	?
HAT-241-0013885	--	17h 53m 43.69s	+30° 08' 38.4"	VAR 1.595687	?
ASASSN-V J175550.49+304031.7	--	17h 55m 50.49s	+30° 40' 31.7"	L --	IRR
CSS_J175646.7+302459	--	17h 56m 46.77s	+30° 24' 59.3"	RRAB 0.48568	SPP
ROTSE1 J175345.36+305209.5	--	17h 53m 45.37s	+30° 52' 09.5"	RRAB 0.97741503	SPP
ASASSN-V J175330.00+295751.7	--	17h 53m 30.00s	+29° 57' 51.7"	L --	IRR
T Her	000-BCB-468	18h 09m 06.21s	+31° 01' 16.2"	M 164.98	LPV
AOV:					
ROTSE1 J180931.19+311235.2	--	18h 09m 30.75s	+31° 12' 30.3"	M 287.109	LPV
NSV 10264	--	18h 08m 05.70s	+30° 58' 01.0"	-- --	?
VSX J180919.6+304227	000-BCB-476	18h 09m 19.63s	+30° 42' 27.0"	EA 1.7549250	EB
FI Her	000-BCB-501	18h 09m 54.80s	+31° 21' 46.3"	M 239	LPV
CSS_J180803.3+312149	--	18h 08m 03.31s	+31° 21' 49.4"	EW 0.411114	EB

ASASSN-V J180705.26+305847.6	--	18h 07m 05.26s	+30° 58' 47.6"	EW	0.242037	EB
MP Her	000-BDR-235	18h 10m 15.22s	+31° 25' 08.9"	RRC	0.31929	SPP
W Lyr	000-BCB-726	18h 14m 55.88s	+36° 40' 13.2"	M	197.88	LPV
AOV:						
NSV 24356	000-BCB-787	18h 15m 54.40s	+36° 39' 27.0"	VAR: --	--	?
NSV 24344	000-BCB-677	18h 13m 54.30s	+36° 39' 09.0"	--	--	?
HU Lyr	000-BCW-318	18h 15m 34.96s	+36° 51' 39.5"	L	--	IRR
CSS_J181531.9+365336	--	18h 15m 31.99s	+36° 53' 36.2"	RRAB	0.3537358	SPP
NSV 24351	000-BCB-722	18h 14m 51.30s	+36° 22' 45.0"	--	--	?
V0729 Lyr	--	18h 16m 28.99s	+36° 44' 55.5"	RRC	0.297101	SPP
CSS_J181541.4+362154	--	18h 15m 41.42s	+36° 21' 54.0"	EW	0.3413864	EB
CSS_J181314.1+363716	--	18h 13m 14.15s	+36° 37' 16.2"	RRAB	0.7849793	SPP
HAT-196-0004327	--	18h 13m 13.39s	+36° 23' 40.3"	VAR	8.619259	?
ROTSE1 J181431.19+370835.0	--	18h 14m 31.19s	+37° 08' 35.1"	LPV	--	LPV
V0987 Her	000-BCW-083	18h 13m 01.12s	+36° 58' 02.2"	LB	--	IRR
RZ Lyr	000-BCD-057	18h 43m 37.88s	+32° 47' 54.0"	RRAB/BL	0.5112423	SPP
AOV:						
[JSH2012] V2	--	18h 43m 53.77s	+32° 47' 46.1"	EA	1.447245	EB
[JSH2012] V1	--	18h 43m 18.44s	+32° 48' 58.7"	EB	0.927033	EB
MM Lyr	000-BDT-709	18h 42m 37.21s	+32° 35' 50.7"	RRAB	0.483624	SPP
ASASSN-V J184443.23+323652.3	--	18h 44m 43.23s	+32° 36' 52.3"	EA	1.784026	EB
NSVS 8236306	--	18h 45m 27.00s	+32° 52' 37.2"	EA	2.62065915	EB
NSVS 8233754	--	18h 43m 16.45s	+32° 24' 40.1"	EB	0.76906786	EB
ROTSE1 J184131.25+325859.9	--	18h 41m 31.25s	+32° 59' 00.0"	LPV	--	LPV
CQ Lyr	000-BDT-599	18h 43m 00.13s	+32° 19' 52.8"	RVA	231	LPV
LZ Lyr	000-BDT-708	18h 41m 26.23s	+32° 58' 47.4"	EA/SD	1.6111788	EB
R Aql	000-BCF-225	19h 06m 22.25s	+08° 13' 48.0"	M	270.50	LPV
AOV:						
NSVS J1905574+081641	000-BLK-522	19h 05m 57.25s	+08° 16' 38.7"	SRB	63.35	LPV
NSV 24681	--	19h 05m 22.80s	+08° 13' 05.0"	VAR: --	--	?
V0806 Aql	000-BDF-198	19h 05m 40.50s	+08° 02' 56.5"	M	147.3	LPV
NSVS 14031409	--	19h 06m 05.69s	+07° 56' 40.0"	L	--	IRR
HD 177548	000-BCF-150	19h 04m 53.09s	+08° 28' 34.6"	ACV:	0.93511	SPV spots
XZ Dra	000-BCF-507	19h 09m 42.61s	+64° 51' 32.1"	RRAB/BL	0.476497	SPP

AOV:

ASASSN-V J191216.00+645611.0	--	19h 12m 16.01s	+64° 56' 11.0"	YSO	--	IRR
ASASSN-V J190600.86+650533.8	--	19h 06m 00.86s	+65° 05' 33.8"	EW	0.3317	EB

RU Lyr	000-BCF-727	19h 12m 21.25s	+41° 18' 13.5"	M	371.84	LPV
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AOV:

Mis V1433	--	19h 12m 20.43s	+41° 21' 54.0"	EA:	--	EB
V0552 Lyr	000-BJP-628	19h 12m 17.40s	+41° 14' 15.8"	LB	--	IRR
NSVS J1912590+411505	000-BJH-370	19h 12m 58.78s	+41° 15' 08.6"	SR	69.2	LPV
ASAS J191340+4106.4	000-BJH-375	19h 13m 39.36s	+41° 06' 25.7"	LPV	32.44	LPV
V0759 Lyr	--	19h 12m 59.21s	+40° 54' 47.8"	EB	0.44978	EB
ASAS J191416+4100.5	000-BJH-379	19h 14m 16.34s	+41° 00' 30.8"	LPV	230	LPV
ASAS J191438+4107.0	000-BJH-384	19h 14m 39.52s	+41° 07' 08.7"	LPV	105.9	LPV
V0754 Lyr	--	19h 12m 23.30s	+40° 49' 53.4"	EW	0.36413	EB
V0772 Lyr	--	19h 14m 52.80s	+41° 24' 28.6"	BY	1.16634	SPV spots

S Lyr	000-BCF-800	19h 13m 11.80s	+26° 00' 28.1"	M	438.40	LPV
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AOV:

ASASSN-V J191237.28+255241.6	--	19h 12m 37.28s	+25° 52' 41.6"	L:	--	IRR
V0424 Lyr	000-BDT-835	19h 12m 51.99s	+26° 15' 55.0"	RRAB/BL:	0.5796816	SPP
Dauban V90	--	19h 14m 22.64s	+26° 05' 16.9"	VAR	--	?
ASASSN-V J191426.44+260015.9	--	19h 14m 26.44s	+26° 00' 15.9"	L:	--	IRR
ASASSN-V J191433.50+255151.6	--	19h 14m 33.50s	+25° 51' 51.6"	SR	47.12	LPV
ASASSN-V J191155.41+254534.8	--	19h 11m 55.41s	+25° 45' 34.8"	SR	54.5	LPV
ASASSN-V J191335.15+262243.6	--	19h 13m 35.15s	+26° 22' 43.6"	SR	321	LPV
V0430 Lyr	000-BDT-841	19h 14m 14.84s	+26° 19' 00.5"	M	149.5	LPV
NSV 24708	--	19h 11m 45.00s	+26° 14' 58.0"	VAR:	--	?
ASASSN-V J191121.31+255554.9	--	19h 11m 21.31s	+25° 55' 54.9"	L:	--	IRR
HIP 94298	--	19h 11m 37.70s	+26° 16' 43.0"	VAR	1.05982	?

TZ Cyg	000-BCF-969	19h 16m 04.06s	+50° 09' 36.7"	LB	--	IRR
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AOV:

ASAS J191744+5013.7	--	19h 17m 44.30s	+50° 13' 47.4"	LPV	24.91	LPV
ASAS J191806+5011.8	--	19h 18m 05.75s	+50° 11' 48.8"	RS	12.782	EB
ASAS J191831+4958.3	--	19h 18m 31.38s	+49° 58' 18.0"	LPV	81.0	LPV
ASAS J191845+4956.9	--	19h 18m 45.29s	+49° 56' 54.3"	L	--	IRR
ASASSN-V J191321.95+495552.4	--	19h 13m 21.95s	+49° 55' 52.4"	YSO	--	Young St. Ob.

V2077 Cyg	000-BCV-788	19h 16m 44.50s	+50° 38' 47.9"	EA	5.93720	EB
V Cyg	000-BCM-152	20h 41m 18.27s	+48° 08' 28.8"	M	421.27	LPV
AOV:						
NSV 25283	000-BFT-585	20h 42m 09.80s	+48° 06' 21.0"	--	--	?
ASASSN-V J204207.34+482020.5	--	20h 42m 07.34s	+48° 20' 20.5"	L:	--	IRR
ASASSN-V J204320.99+475709.8	--	20h 43m 20.99s	+47° 57' 09.9"	L	--	IRR
V2426 Cyg	000-BFR-580	20h 38m 24.06s	+48° 09' 11.7"	SRA:	305:	LPV
SW Aqr	000-BCN-649	21h 15m 17.85s	+00° 04' 34.9"	RRAB	0.4593047	SPP
AOV:						
NSV 13614	000-BCN-607	21h 14m 37.00s	+00° 05' 32.0"	--	--	?
CSS_J211433.0-000337	--	21h 14m 33.04s	-00° 03' 37.0"	EW	0.320286	EB
QX Aqr	000-BJD-532	21h 14m 06.02s	+00° 19' 12.2"	CWA	15.285	SPP
S Cep	000-BCP-063	21h 35m 12.83s	+78° 37' 28.2"	M	486.84	LPV
AOV:						
ASASSN-V J212536.76+783916.0	--	21h 25m 36.76s	+78° 39' 15.9"	L	--	IRR
RV Peg	000-BCQ-424	22h 25m 36.81s	+30° 28' 21.4"	M	390.30	LPV
AOV:						
CSS_J222607.3+305144	--	22h 26m 07.34s	+30° 51' 44.5"	EA	0.888576	EB
R Peg	000-BCR-206	23h 06m 39.17s	+10° 32' 36.1"	M	378.10	LPV
AOV:						
GSC 01163-01745	000-BLS-135	23h 06m 37.10s	+10° 33' 59.3"	EB	0.30173582	EB
W Peg	000-BCR-398	23h 19m 50.50s	+26° 16' 43.6"	M	345.50	LPV
AOV:						
NSV 14512	000-BCR-407	23h 20m 11.90s	+26° 13' 02.0"	--	--	?
NSVS 8987025	--	23h 19m 54.64s	+26° 06' 54.6"	E	2.89438	EB
CSS_J231850.4+262501	--	23h 18m 50.41s	+26° 25' 01.1"	EW	0.315336	EB
AT And	000-BCR-863	23h 42m 30.83s	+43° 00' 51.7"	RRAB	0.6169122	SPP
AOV:						
SDSS J234124.59+430723.4	--	23h 41m 24.59s	+43° 07' 23.3"	RRAB	0.57147	SPP
HAT-161-0018012	--	23h 41m 06.87s	+43° 08' 55.2"	VAR	14.096577	?
ASASSN-V J234134.55+432204.7	--	23h 41m 34.55s	+43° 22' 04.7"	RRAB	0.605466	SPP
ASASSN-V J234043.43+424426.5	--	23h 40m 43.43s	+42° 44' 26.5"	EA	2.7267	EB