Appendix: Abundances and Radial Velocities for the RR Lyraes

Star	Period	[Fe/H] (note 1)			Systemic Velocity (km s^{-1})		
		This Work	Previous Work	Sources	This Work	Previous Work	Sources
SW And	0.442279	-0.24	0.01, -0.13	1,3	-24±3	-21±2, -19±2	1,8
			-0.38,-0.24	8,9		-22±2	10
			-0.06	10			
AT And (note 3)	0.616913	-1.32	-0.72	3	-228±3	-250±30	20
CI And	0.484718	-0.55	-0.83	8	23±3	99±30	11
BR Aqr	0.481878	-0.72	-0.72,-0.72	3,4	30±3	29±10	11
			-0.84	8			
BH Aur	0.456088	+0.14			49±3		
RS Boo	0.377337	-0.33	-0.52,-0.38	3,4	-7±3	-4±2,-9±2	2,4
			-0.40,-0.38	5,7			
			-0.32,-0.39	8,9			
UY Boo	0.650845	—	-2.08,-2.58	3,4	153±10	146±5,131±21	5,11
			-2.49	8			
AE Boo	0.315000(c)	-1.34	-1.65	2	77±3		
UY Cam	0.267042(c)	-1.51	-1.14	2	-46±3		
AQ Cnc	0.548518	—	-1.41,-1.53	6,8	383±10	390±20	11
Z CVn	0.653798	-1.66	-1.69,-1.34	3,5	11±10	20±12,-3±26	3,11
			-1.98	8		0±30	17
RU CVn	0.573242	—	-2.04,-1.40	5,6	-12±10	-10±26,-55±30	11,15
			-1.37	8			
SS CVn	0.478519	-1.07	-1.80,-1.08	5,6	-41±3	-20±28,-5±30	11,18
			-1.52	8			
UZ CVn	0.697783	-1.44	-2.34	8	-27±10	-37±26	11
AA CMi	0.476323	-0.14			55±3		
V363 Cas (note 3)	0.546535	-0.38			-40±3		
EZ Cep	0.378999(c)	-0.01			-70±3		
RR Cet	0.553025	-1.49	-1.30,-1.10	1,3	-74±3	-75±2,-75±2	1,9
			-1.52,-1.38	8,10			
RZ Cet	0.510613	-1.13	-0.91,-1.50	3,8	2±10	-16±10,0±10	11,16
						-15±16	21
U Com	0.292738(c)	-1.19	-1.45,-1.10	2,3	-18±3	16±30	17
DM Cyg	0.419858	-0.06	-0.13,-0.14	3,8	-35±3	59±30,-49±30	11,15
SU Dra	0.660419	-1.80	-1.94,-2.08	1,3	-168±3	-167±2,-175±2	1,7
			-1.60,-1.80	5,7			
			-1.74,-2.00	8,9			
SW Dra	0.569670	-1.28	-1.08,-0.71	1,3	-27±3	-29±2,-30±2	2,8
			-0.81,-1.24	4,8			
BK Dra	0.592081	-1.61	-2.12,-2.12	6,8	-82±10	-27±30	11
BT Dra	0.588673	—	-1.94,-1.55	6,8	-165±10	-155±30	11
BB Eri	0.569896	-1.09	-1.36,-1.69	1,3	248±3	232±18,240±16	11,21
			-1.51	8			
SZ Gem	0.501136	-1.46	-1.10,-1.81	5,8	329±3	302±36,332±30	11,17
SZ Hya	0.537250	-1.60	-1.75	8	143±10	147±25,142±10	3,11
XX Hya	0.507741	-1.11	-1.33	8	95±10	52±24,-10±35	11,18
DD Hya	0.501818	-0.94	-1.00	8	156±3	153±25	11
ST Leo	0.477984	-1.08	-1.57,-1.49	1,3	177±3	166±10,150±4	4,6
			-0.95,-1.29	7,8		181±39	11

Star	Period	[Fe/H] (note 1)			Systemic Velocity (km s^{-1})		
		This Work	Previous Work	Sources	This Work	Previous Work	Sources
AX Leo	0.726828	-1.16	-2.28	8	203±10	182±10	11
BX Leo	0.362860(c)	-1.21	-1.36	2	27±3		
TT Lyn	0.597438	-1.53	-1.49,-1.79	4,5	-65±3	-67±2,-63±2	1,4
						-65±2	10
TW Lyn	0.481853	-0.09	-1.23	8	-39±3	-39±26	11
RZ Lyr	0.511248	—	-2.08,-1.88	1,3	-235±10	-233±30	11
			-2.08,-2.13	7,8			
CN Lyr	0.411382	-0.38	-0.26	8	27±3	67±30	11
EZ Lyr	0.525268	—	-1.45,-1.49	1,3	-74±10	-75±30	18
			-1.14	7			
IO Lyr	0.577122	-0.91	-0.71,-1.52	3,8	-188±3	-156±30	11
KX Lyr	0.440897	-0.22	-0.13,-0.46	3,8	-37±3	-40±28,-60±30	11,20
V455 Oph	0.453918	-0.71	-1.42	8	-32±3	-35±30	11
VZ Peg	0.306486(c)	-1.78	-1.98	2	-258±10		
DZ Peg	0.607344	-1.26	-1.52	8	-293±10	-293±11	11
AR Per	0.425549	-0.29	-0.61,-0.13	1,3	3±3	5±2,1±2	1,3
			-0.43	8			
XX Pup	0.517198	-1.33			393±10	409±15	21
HK Pup	0.734254	-1.11			222±3		
KZ Pup	—	-0.30			145±30		
(note 2)							
VY Ser	0.714094	-1.90	-1.88,-1.90	3,5	-149±3	-146±2,-145±2	2,7
			-1.88,-1.82	7,8			
			-1.71	10			
AP Ser	0.254118(c)	-1.43	-1.20,-1.51	1,2	-92±3	-90±5	7
			-1.69	3			
T Sex	0.324698(c)	-1.37	-1.28,-1.30	1,2	29±3	28±2,35±2	1,10
			-1.50	9			
SX UMa	0.307153(c)	-1.45	-1.65,-2.06	1,2	-156±3	-135±30	17
			-1.30	3			
TU UMa	0.557659	-1.57	-1.55,-1.30	1,3	101±3	84±1,90±2	1,10
			-1.51,-1.53	5,7		75±17,77±2	11,13
			-1.44,-1.45	7,8			
AB UMa	0.599577	-0.65	-0.11,-0.72	6,8	-50±3	-55±26	11
AF Vir	0.483825	-1.21	-1.46	8	-12±10	-34±14	11
AT Vir	0.525792	—	-1.63,-1.91	1,8	334±3	322±27,344±10	11,16
BB Vir	0.471096	-1.30	-1.65,-1.55	5,6	10±10	-5±30	19
(note 3)							

Note 1 : ΔS values from previous work have been transformed to [Fe/H] using equation (1). As discussed in the text the uncertainty in the [Fe/H] values, both in this work and in previous work, is typically $\pm$0.13 dex.

Note 2 : only one observation of this star was made; hence the larger errors. Based on the large amplitude shown in the GCVS it is assumed to be an 'ab' type.

Note 3 : see Section 5 for a discussion of this star for which the classification as an RR Lyrae is uncertain.

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