Table 2: Line parameters for ν Gem: Next to the peak heights for the V and R peaks also the intensity of the central peak is given, when a triple-peaked profile was present (C peak). The radial velocities correspond to the local minima (modes) in these lines (for Hα of the central depression). The typical error is 11 and 3 km s^{-1} for the HeI 6678 measurements in the coudé and HEROS data, respectively, and about 1 and 0.2 km s^{-1} for the much sharper Hα absorption core.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. [km s^{-1}]	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ [km s^{-1}]	$v_{\rm HeI\,6678}$ [km s^{-1}]	$v_{\rm SiII\,6347}$ [km s^{-1}]
Coudé/Reticon spectra								
2449658.692	1.43	1.41	1.02	173.4	—	24.6	47.9	45.0
2449661.640	1.42	1.38	1.03	174.5	—	25.8	61.5	47.6
2449662.656	1.44	1.39	1.04	186.9	—	26.9	62.8	51.2
2449679.699	1.43	1.40	1.02	179.7	—	26.4	31.0	38.8
2450015.671	1.51	1.31	1.15	203.4	—	20.4	-2.5	17.3
2450104.538	1.57	1.29	1.22	204.2	—	24.6	46.7	27.8
2450159.393	1.52	1.25	1.21	208.8	—	24.2	45.7	18.5
2450410.666	1.51	1.31	1.15	206.4	—	23.4	16.3	17.2
2450439.585	1.47	1.33	1.11	207.0	—	22.0	8.9	6.5
2450508.428	1.48	1.38	1.07	203.1	—	20.1	13.2	-0.7
2450509.427	1.48	1.38	1.08	202.3	—	21.1	25.2	-2.8
2450512.442	1.49	1.37	1.09	204.3	—	19.9	34.6	12.0
2451464.645	1.31	1.54	0.85	168.7	—	18.7	75.3	13.5
2451509.589	1.34	1.55	0.87	162.5	—	—	—	—
HEROS spectra								
2451046.688	1.33	1.63	0.82	194.8	—	20.1	6.3	12.5
2451054.695	1.39	1.62	0.86	186.9	—	19.9	34.6	13.7
2451066.721	1.37	1.61	0.85	190.9	—	18.7	75.3	35.8
2451811.639	1.50	1.55	0.97	135.0	—	18.1	69.2	31.7
2451814.617	1.52	1.54	0.99	148.3	—	18.2	77.5	31.7
2451817.664	1.52	1.56	0.98	131.7	—	17.3	62.6	36.3
2451838.669	1.49	1.59	0.94	132.1	—	17.0	6.0	33.5
2451846.676	1.48	1.59	0.93	126.5	—	15.8	7.5	24.1
2451860.630	1.51	1.58	0.96	128.1	—	17.5	40.7	26.6
2451901.550	1.50	1.58	0.95	129.9	—	18.1	6.9	10.0
2451968.418	1.53	1.60	0.96	98.8	—	19.2	50.0	31.5
2452000.328	1.50	1.60	0.94	95.6	—	18.7	12.8	-18.2
2452001.330	1.54	1.64	0.94	93.5	—	18.8	17.3	9.3
2452009.354	1.53	1.60	0.95	95.0	—	17.9	3.7	-8.9
2452339.398	1.45	1.55	0.93	162.1	1.49	—	37.6	41.5
2452345.355	1.48	1.57	0.94	154.7	1.51	22.7	47.8	50.5
2452346.366	1.50	1.56	0.96	153.9	1.52	26.2	69.6	41.2
2452351.364	1.51	1.58	0.96	156.3	1.54	28.4	70.6	57.7
2452361.341	1.51	1.57	0.96	150.7	1.52	26.7	57.2	59.7
2452363.308	1.53	1.61	0.95	151.1	1.55	23.3	48.8	50.1
2452363.338	1.54	1.62	0.95	152.8	1.57	27.6	49.6	52.7
2452364.356	1.53	1.61	0.95	153.8	1.54	28.3	45.4	50.7
2452367.338	1.49	1.58	0.95	151.5	1.51	28.6	37.0	48.8
2452369.318	1.49	1.57	0.95	155.0	1.51	—	38.1	42.0
2452672.486	1.63	1.38	1.18	164.6	—	29.1	65.5	37.6
2452685.458	1.58	1.34	1.18	166.5	—	27.0	54.6	53.9
2452694.422	1.57	1.37	1.15	171.9	—	25.9	19.0	37.5
2452696.441	1.53	1.35	1.13	179.7	—	25.2	10.0	24.7
2452697.451	1.55	1.37	1.13	179.6	—	26.2	14.8	36.3

Table 2: continued

JHD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2452699.351	1.54	1.38	1.12	173.1	—	25.9	-3.1	28.8
2452725.366	1.64	1.35	1.22	175.6	—	28.8	63.6	54.2

Table 5: Line parameters for ϕ Per.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
Coudé/Reticon spectra								
2448883.630	3.56	4.08	0.87	173.8	—	−41.1	—	−7.1
2449018.266	3.78	3.91	0.97	129.6	—	−20.6	—	−19.3
2449019.457	3.95	3.91	1.01	129.4	—	−4.7	—	−13.4
2449020.274	3.92	3.85	1.02	119.0	—	−1.1	—	−16.5
2449020.298	3.83	3.76	1.02	119.0	—	1.0	—	−11.9
2449022.355	—	—	—	—	—	—	—	−14.0
2449022.391	—	—	—	—	—	—	—	−15.5
2449023.238	3.79	3.57	1.06	134.6	3.71	—	—	−11.8
2449024.245	3.79	—	—	—	3.60	—	—	−7.0
2449024.309	—	—	—	—	—	—	—	−14.2
2449026.345	—	—	—	—	—	—	—	−5.9
2449027.333	—	—	—	—	—	—	—	−15.1
2449029.315	—	—	—	—	—	—	—	−16.5
2449206.472	3.79	3.34	1.13	196.0	—	13.1	—	3.3
2449214.539	—	—	—	—	—	—	—	0.8
2449249.468	—	—	—	—	—	−46.4	—	−12.9
2449250.622	3.62	4.33	0.84	162.5	—	−49.4	—	−18.6
2449260.535	3.54	4.35	0.81	166.6	—	−45.9	—	−11.4
2449267.384	—	—	—	—	—	—	—	−14.4
2449288.436	3.84	3.27	1.17	179.3	—	—	—	−6.5
2449291.430	3.91	3.28	1.19	161.8	—	—	—	−8.8
2449322.442	4.09	3.69	1.11	176.2	—	−7.6	—	1.7
2449382.269	4.09	4.73	0.87	122.2	—	—	—	−27.9
2449528.548	4.09	3.86	1.06	98.6	—	—	—	−6.5
2449529.550	4.15	3.89	1.07	89.6	—	—	—	−0.7
2449568.519	—	3.69	—	—	3.69	—	—	−3.5
2449580.486	4.37	4.10	1.07	151.8	—	−0.7	—	8.8
2449581.482	4.12	3.92	1.05	153.9	—	−1.4	—	−0.0
2449612.468	—	—	—	—	4.48	—	—	−9.9
2449625.446	—	4.56	—	—	—	—	—	−10.5
2449634.441	—	4.56	—	—	—	—	—	−26.6
2449644.328	—	4.81	—	—	—	—	—	−28.5
2449644.480	—	4.75	—	—	—	—	—	−31.8
2449658.406	4.13	—	—	—	—	—	—	−14.7
2449659.522	4.11	—	—	—	—	—	—	−15.8
2449661.289	4.14	3.71	1.12	142.5	—	—	—	−16.5
2449662.322	3.99	3.56	1.12	145.8	—	—	—	−12.3
2449679.321	3.91	3.63	1.08	143.2	—	16.8	—	−15.2
2449784.288	—	—	—	—	—	—	—	−23.7
2449915.483	3.57	3.23	1.10	214.8	3.17	3.5	—	−5.8
2449918.527	3.63	3.34	1.09	205.8	3.28	11.2	—	−9.4
2449919.552	—	—	—	—	—	—	—	−9.1
2449930.432	3.57	3.24	1.10	215.4	—	—	—	−11.4
2449932.452	3.48	3.14	1.11	219.6	3.14	—	—	−13.3

Table 5: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2449942.598	—	3.25	—	—	3.28	−10.5	—	−10.2
2449948.512	3.92	3.36	1.17	238.0	3.38	−18.2	—	−4.8
2449948.527	3.80	3.39	1.12	238.4	—	−20.2	—	−4.5
2449949.512	3.79	3.38	1.12	210.0	—	−15.3	—	−5.3
2449952.583	3.91	3.38	1.16	206.8	—	−9.1	—	−7.2
2449952.609	3.87	3.42	1.13	205.7	—	−7.2	—	−2.3
2449974.495	3.61	3.39	1.07	196.0	3.33	19.2	—	−12.3
2449977.469	3.60	3.30	1.09	186.2	—	29.0	—	−13.1
2449977.486	3.57	3.32	1.07	184.4	3.27	27.1	—	−8.7
2449979.507	3.61	3.46	1.05	180.7	3.41	—	—	−11.5
2450001.596	4.10	4.25	0.97	154.4	—	−20.4	—	−24.7
2450001.615	4.12	4.26	0.97	153.3	—	−20.2	—	−25.3
2450014.283	3.87	4.46	0.87	141.6	—	—	—	−32.6
2450015.409	3.86	4.48	0.86	138.5	—	—	—	−35.4
2450030.410	3.88	3.90	0.99	119.9	—	—	—	−29.2
2450043.455	—	—	—	—	—	—	—	−34.8
2450080.259	3.94	3.74	1.05	169.4	—	−6.2	—	−21.1
2450080.295	4.20	3.80	1.10	176.8	—	−6.5	—	−26.6
2450104.262	3.74	3.73	1.00	136.2	—	4.3	—	−34.6
2450295.556	3.23	3.04	1.06	205.9	—	−0.6	—	−26.8
2450297.501	3.42	3.17	1.08	216.0	3.04	−3.2	—	−38.8
2450297.517	3.34	3.08	1.08	215.4	2.97	−2.5	—	−30.2
2450302.545	3.41	3.08	1.10	210.6	—	16.6	—	−27.2
2450304.416	3.34	3.00	1.11	220.1	—	23.7	—	−3.8
2450315.496	3.23	3.00	1.08	250.8	—	−11.4	—	−0.6
2450315.513	3.37	3.01	1.12	252.3	—	−10.7	—	−28.4
2450316.487	3.26	3.04	1.07	251.2	—	−15.8	—	−34.3
2450346.567	3.37	3.16	1.06	212.9	—	4.7	—	−35.2
2450365.396	3.32	3.41	0.97	226.3	—	−9.8	—	−61.4
2450410.410	3.11	3.21	0.97	196.3	—	−22.5	—	−42.7
2450413.228	3.10	3.14	0.99	211.6	—	−17.8	—	−35.2
2450439.226	3.14	2.82	1.12	231.4	—	−3.5	—	−36.5
2450448.317	3.22	2.88	1.12	238.5	—	−11.1	—	−55.3
2450499.359	3.48	3.52	0.99	178.4	—	−11.0	—	−66.7
2450508.274	3.52	3.94	0.89	188.2	—	−21.7	—	−75.9
2450509.247	3.53	3.95	0.89	187.4	—	−21.4	—	−64.8
2450510.299	3.50	3.96	0.89	192.3	—	−20.3	—	−39.5
2450512.271	3.51	3.99	0.88	193.1	—	−22.9	—	−46.5
2451043.428	3.21	3.47	0.93	176.4	—	−43.5	—	−20.0
2451043.591	3.28	3.58	0.92	180.9	—	−44.4	—	−19.7
2451384.548	3.55	3.83	0.93	199.9	4.11	—	—	−58.5
2451388.489	3.53	4.09	0.86	189.0	4.21	—	—	−69.0
2451391.473	3.63	4.34	0.84	197.7	4.39	—	—	−63.9
2451416.574	3.44	4.47	0.77	185.0	—	−58.8	—	−70.5
2451416.604	—	—	—	—	—	−54.8	—	−69.4
2451430.527	3.05	3.62	0.84	215.7	—	−53.4	—	—
2451430.538	3.05	3.64	0.84	215.5	—	−54.0	—	—
2451431.403	2.98	3.48	0.86	219.0	—	−53.7	—	—
2451432.625	3.01	3.53	0.85	210.8	—	−54.3	—	—
2451435.557	2.99	3.43	0.87	220.3	—	−43.0	—	—
2451436.618	3.02	3.46	0.87	217.1	—	−43.7	—	—
2451443.604	3.11	3.42	0.91	225.3	—	−29.2	—	—
2451464.587	3.00	3.42	0.88	243.7	—	−22.9	—	—

Table 5: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2451470.548	2.94	3.38	0.87	243.1	—	−27.6	—	—
2451506.367	3.07	3.57	0.86	212.1	—	−35.7	—	−73.0
2451509.415	3.27	3.86	0.85	198.8	—	−39.1	—	−75.1
2451509.442	3.28	3.88	0.84	202.0	—	−40.0	—	−79.7
2451511.464	3.15	3.85	0.82	200.8	—	−53.1	—	−72.0
			HEROS spectra					
2450826.789	3.81	3.47	1.10	234.8	—	−12.5	—	—
2450841.749	3.86	3.57	1.08	236.6	—	−3.9	—	—
2450846.803	3.72	3.44	1.08	233.4	—	−1.7	—	—
2450850.761	3.77	3.52	1.07	218.8	—	0.0	—	—
2450854.779	3.66	3.51	1.04	224.6	—	1.8	—	—
2450855.786	3.89	3.77	1.03	222.3	—	5.6	—	—
2450856.741	3.83	3.69	1.04	214.7	—	5.6	—	—
2451030.199	3.65	4.73	0.77	194.7	—	−38.1	—	—
2451046.109	3.53	3.86	0.91	187.0	—	−35.6	—	—
2451054.082	3.64	3.61	1.01	221.8	—	−33.4	—	—
2451065.163	3.75	3.58	1.05	226.9	—	−21.0	—	—
2451067.090	3.68	3.57	1.03	234.7	—	−18.6	—	—
2451087.050	3.69	3.70	1.00	244.9	—	−12.7	—	—
2451089.013	3.61	3.67	0.98	238.7	—	−19.9	—	—
2451091.009	3.61	3.72	0.97	244.0	—	−14.2	—	—
2451681.601	4.08	4.39	0.93	135.7	—	−37.0	—	—
2451685.612	4.35	4.26	1.02	142.1	—	−27.8	—	—
2451688.601	4.37	4.11	1.06	120.4	—	—	—	—
2451691.585	4.33	3.96	1.09	135.1	—	—	—	—
2451697.578	4.65	4.06	1.15	213.4	—	—	—	—
2451698.593	4.63	4.09	1.13	206.9	—	—	—	—
2451700.512	4.57	4.04	1.13	221.9	—	—	—	—
2451700.541	4.52	4.01	1.13	223.6	—	—	—	—
2451704.527	4.50	4.08	1.10	222.7	—	—	—	—
2451704.575	4.47	4.07	1.10	221.1	—	—	—	—
2451705.552	4.56	4.13	1.10	228.1	—	—	—	—
2451705.594	4.58	4.13	1.11	227.7	—	—	—	—
2451706.526	4.32	4.11	1.05	228.4	—	—	—	—
2451706.576	4.36	4.07	1.07	226.8	—	—	—	—
2451714.517	4.11	4.10	1.00	232.6	—	—	—	—
2451714.559	4.19	4.17	1.00	237.1	—	—	—	—
2451715.530	4.21	4.17	1.01	229.6	—	—	—	—
2451715.575	4.20	4.19	1.00	230.1	—	—	—	—
2451717.583	4.14	4.16	1.00	235.9	—	—	—	—
2451746.597	4.12	4.10	1.01	224.0	—	—	—	—
2451748.519	4.15	4.17	1.00	205.4	—	—	—	—
2451766.509	4.48	5.31	0.84	141.5	—	—	—	—
2451766.590	4.45	5.30	0.84	141.2	—	—	—	—
2451768.503	4.46	5.12	0.87	149.1	—	—	—	—
2451768.590	4.43	5.10	0.87	148.3	—	—	—	—
2451769.485	4.50	5.19	0.87	149.4	—	—	—	—
2451769.596	4.48	5.11	0.88	142.1	—	—	—	—
2451770.454	4.61	5.32	0.87	147.4	—	—	—	—
2451770.600	4.61	5.34	0.86	149.8	—	—	—	—
2451783.566	4.66	5.61	0.83	140.5	—	−28.4	—	—
2451799.598	4.37	5.57	0.78	148.9	—	−54.3	—	—

Table 5: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$	
2451811.537	3.97	4.37	0.91	166.1	—	−46.1	—	—	
2451813.472	4.04	4.34	0.93	177.5	—	−41.9	—	—	
2451815.507	4.14	4.20	0.99	182.9	—	−40.1	—	—	
2451817.505	4.13	4.28	0.97	189.6	—	−34.5	—	—	
2451818.488	4.08	4.20	0.97	196.3	—	−33.8	—	—	
2451833.442	4.30	4.33	0.99	213.0	—	−12.0	—	—	
2451838.494	4.15	4.26	0.97	222.4	—	−5.9	—	—	
2451840.402	4.01	4.19	0.96	220.6	—	−9.2	—	—	
2451846.410	4.11	4.36	0.94	224.0	—	−10.6	—	—	
2451876.337	4.14	4.59	0.90	179.6	—	−20.4	—	—	
2451890.397	4.41	5.14	0.86	155.9	—	−33.7	—	—	
2451890.428	4.49	5.22	0.86	157.7	—	−32.3	—	—	
2451899.411	4.38	5.56	0.79	146.0	—	—	—	—	
2452136.605	5.20	6.16	0.84	124.4	—	—	—	—	
2452147.603	5.19	6.16	0.84	121.7	—	—	—	—	
2452148.554	5.17	6.03	0.86	116.4	—	—	—	—	
2452172.555	4.96	5.99	0.83	111.9	—	—	—	—	
2452175.513	4.77	5.79	0.82	109.9	—	—	—	—	
2452188.504	5.01	5.43	0.92	97.2	—	—	—	—	
2452189.481	5.16	5.52	0.93	95.7	—	—	—	—	
2452191.446	5.04	5.18	0.97	98.7	—	—	—	—	
2452193.477	4.82	4.72	1.02	95.9	—	—	—	—	
2452195.459	5.00	4.21	1.19	193.6	4.78	—	—	—	
2452196.449	4.96	4.25	1.17	201.9	—	—	—	—	
2452198.477	4.60	4.12	1.11	204.8	—	—	—	—	
2452517.568	—	4.57	—	—	—	—	—	—	

Table 6: Line parameters for ψ Per.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
Coudé/Reticon spectra								
2449580.524	4.85	4.83	1.01	133.6	—	−1.1	24.0	5.4
2449625.533	4.86	4.87	1.00	133.2	—	−5.1	4.7	3.8
2449662.405	4.82	4.77	1.01	144.4	—	−2.6	0.6	−0.4
2449932.563	4.97	4.96	1.00	133.0	—	−2.7	17.8	2.4
2450015.426	5.05	5.08	0.99	138.5	—	−2.9	−6.1	−3.1
2450297.540	5.05	5.03	1.01	131.1	—	−6.2	3.2	1.3
2450439.448	4.94	4.97	0.99	143.2	—	−3.0	−6.2	−4.7
2450509.266	—	—	—	—	—	−2.5	−2.1	−3.1
2450509.283	5.28	5.29	1.00	142.7	—	−3.2	−12.0	−3.4
2451379.567	5.14	5.12	1.00	129.7	—	−1.5	−4.7	6.3
2451389.533	—	—	—	—	—	—	5.9	1.8
2451431.551	5.33	5.36	1.00	132.2	—	−7.0	1.2	−4.4
2451509.399	5.46	5.44	1.00	140.8	—	−3.1	−10.6	−7.0
HEROS spectra								
2451833.468	6.41	6.41	1.00	124.7	—	−1.5	−11.1	4.9
2451846.490	6.43	6.44	1.00	121.7	—	−1.0	15.6	6.5
2451901.334	6.36	6.38	1.00	129.8	—	−1.7	23.4	−2.0
2452148.609	6.50	6.48	1.00	120.5	—	−2.0	6.4	18.9
2452188.589	6.40	6.40	1.00	124.3	—	−2.0	16.4	8.2
2452523.589	6.29	6.25	1.01	123.4	—	0.3	13.7	11.5

Table 6: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2452548.595	5.75	5.68	1.01	137.0	—	−1.8	3.5	8.3
2452659.294	6.32	6.32	1.00	140.0	—	−1.2	−10.3	−19.4

Table 7: Line parameters for 28 Tau.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
Coudé/Reticon spectra								
2449581.588	4.72	5.43	0.87	79.6	—	—	—	−0.7
2449618.600	—	—	—	—	—	—	—	−2.1
2449634.536	—	—	—	—	—	—	—	−12.5
2449634.628	—	5.28	—	—	—	—	—	−27.0
2449644.544	—	5.61	—	—	—	—	—	−24.6
2449658.473	—	6.07	—	—	—	—	—	−16.4
2449661.446	—	6.08	—	—	—	—	—	−16.4
2449662.521	—	6.17	—	—	—	—	—	−14.8
2449679.345	5.03	5.63	0.89	93.9	—	—	—	−9.2
2449930.557	—	5.66	—	—	—	—	—	0.4
2449948.568	—	5.70	—	—	—	—	—	−1.6
2449949.606	—	5.73	—	—	—	—	—	3.5
2450001.534	—	5.68	—	—	—	—	—	−11.8
2450015.451	4.89	5.64	0.87	78.3	—	—	—	−11.5
2450104.414	5.00	6.21	0.80	97.6	—	—	—	−31.3
2450122.330	5.30	5.77	0.92	73.5	—	—	—	−0.2
2450159.324	4.58	5.22	0.88	75.5	—	—	—	—
2450297.569	—	—	—	—	—	—	—	−5.6
2450315.557	—	—	—	—	—	—	—	1.0
2450316.531	—	6.35	—	—	—	—	—	−3.7
2450410.552	—	5.62	—	—	—	—	—	−5.5
2450439.345	—	5.05	—	—	—	—	—	−11.5
2450448.456	—	5.17	—	—	—	—	—	−7.6
2450508.337	—	5.92	—	—	—	—	—	−12.0
2450509.321	—	5.74	—	—	—	—	—	−22.2
2451430.600	—	—	—	—	—	—	—	—
2451432.595	—	—	—	—	—	—	—	−22.2
2451434.613	—	—	—	—	—	—	—	—
2451481.535	—	5.32	—	—	—	—	—	—
2451481.581	—	5.42	—	—	—	—	—	—
2451569.351	4.69	5.05	0.93	73.8	—	—	—	—
2451576.280	4.93	5.23	0.94	75.4	—	—	—	—
HEROS spectra								
2448264.420	4.28	4.60	0.93	139.6	—	3.9	—	−26.2
2448264.433	4.32	4.66	0.93	138.7	—	3.7	—	−29.2
2448264.441	4.31	4.64	0.93	139.2	—	2.2	—	−19.1
2448264.454	4.33	4.65	0.93	140.2	—	2.9	—	−25.4
2448264.466	4.33	4.66	0.93	138.7	—	1.9	—	−38.5
2448264.475	4.32	4.66	0.93	137.9	—	1.7	—	−23.8
2448290.341	4.38	4.74	0.92	135.2	—	7.8	—	−23.8
2448290.350	4.36	4.74	0.92	133.5	—	6.8	—	−28.0
2448290.362	4.41	4.80	0.92	133.9	—	6.7	—	−27.6
2448290.375	4.36	4.75	0.92	133.6	—	7.1	—	−36.7
2448290.383	4.32	4.69	0.92	133.1	—	5.7	—	−31.3

Table 7: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2448290.395	4.31	4.69	0.92	132.7	—	5.8	—	−30.2
2448290.408	4.28	4.65	0.92	134.1	—	5.6	—	−27.6
2448290.416	4.28	4.70	0.91	133.6	—	5.4	—	−20.7
2448290.429	4.32	4.72	0.92	134.6	—	5.3	—	−25.3
2448310.245	5.59	6.08	0.92	134.0	—	1.0	—	—
2448310.258	4.20	4.61	0.91	133.2	—	3.3	—	−15.1
2448310.270	4.25	4.67	0.91	134.0	—	4.0	—	−27.6
2448310.279	4.21	4.67	0.90	133.9	—	3.3	—	−31.6
2448310.291	4.21	4.63	0.91	133.7	—	4.4	—	−40.9
2448310.308	4.21	4.68	0.90	134.0	—	3.9	—	−34.4
2448310.320	4.22	4.63	0.91	135.9	—	4.1	—	−13.4
2448310.329	4.21	4.62	0.91	133.6	—	4.4	—	−31.7
2448310.341	4.11	4.54	0.91	134.1	—	4.0	—	−25.8
2448310.354	3.90	4.38	0.89	138.6	—	1.2	—	—
2448344.312	4.05	4.31	0.94	137.7	—	−11.9	—	—
2448346.462	4.31	4.67	0.92	141.9	—	−9.2	—	−44.6
2451031.701	—	6.42	—	–	—	—	—	—
2451046.614	—	6.94	—	–	—	—	—	—
2451054.557	—	6.67	—	—	—	—	—	—
2451064.677	—	7.34	—	—	—	—	—	—
2451086.565	—	6.60	—	—	—	—	—	—
2451088.532	—	6.81	—	—	—	—	—	—
2451089.553	—	6.76	—	—	—	—	—	—
2451090.534	—	6.62	—	—	—	—	—	—
2452672.324	5.15	5.34	0.96	103.9	—	5.3	—	—
2452685.318	5.15	5.32	0.97	107.4	—	1.5	—	—
2452694.317	5.53	5.69	0.97	100.8	—	−8.4	—	—

Table 8: Line parameters for ζ Tau.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
Coudé/Reticon spectra								
2449049.338	—	—	—	—	—	−3.0	−16.4	−36.3
2449049.429	2.66	3.39	0.78	249.2	—	−3.4	−22.6	−31.8
2449098.338	—	—	—	—	—	—	−21.3	−51.2
2449250.637	2.52	3.44	0.73	252.7	—	−12.8	−39.0	−49.4
2449644.687	3.51	2.86	1.23	121.4	—	—	−13.4	−27.8
2449658.670	4.06	2.57	1.58	171.2	—	—	7.8	−6.7
2449659.699	3.92	2.56	1.53	179.5	—	—	17.6	−5.4
2449661.572	3.93	2.60	1.51	187.6	—	—	18.9	−5.1
2449662.590	3.88	2.60	1.49	195.4	—	—	28.1	−3.5
2449805.344	3.61	2.43	1.49	219.3	—	—	37.2	28.9
2449840.324	3.41	3.27	1.04	83.6	—	—	34.6	7.1
2449948.607	3.32	2.97	1.12	96.0	—	—	39.3	54.6
2450015.504	2.98	3.28	0.91	155.7	—	—	31.7	60.6
2450039.581	2.77	3.27	0.85	205.9	—	—	45.7	61.8
2450079.356	3.44	3.30	1.04	97.5	—	—	59.4	87.7
2450080.360	3.51	3.30	1.06	98.0	—	—	65.0	87.4
2450081.420	—	—	—	—	—	—	59.2	87.0
2450104.503	3.09	2.66	1.16	227.7	2.81	—	65.5	75.8
2450122.439	3.14	2.51	1.25	217.1	2.84	—	50.1	73.6

Table 8: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2450157.334	3.39	2.62	1.29	202.4	2.57	—	52.4	77.2
2450160.321	3.45	2.64	1.30	200.1	2.57	—	54.6	73.7
2450315.600	3.50	2.13	1.64	256.0	—	—	61.7	72.3
2450410.594	3.40	2.11	1.61	274.0	—	27.8	24.9	53.8
2450421.471	3.34	2.08	1.60	277.1	—	46.2	50.6	62.0
2450439.502	3.28	2.08	1.58	267.1	—	43.5	53.6	65.3
2450448.565	3.33	2.11	1.58	257.2	—	45.3	54.0	65.6
2450462.549	3.38	2.09	1.62	264.2	—	54.2	52.8	65.6
2450464.259	3.43	2.13	1.62	261.3	—	60.6	54.4	66.2
2450482.306	3.64	2.07	1.76	256.9	—	74.4	62.0	70.1
2450497.263	3.24	1.99	1.63	277.3	—	58.7	58.9	62.7
2450508.252	3.26	2.15	1.52	258.7	—	18.2	48.7	50.1
2450512.358	3.43	2.27	1.51	248.6	—	7.3	50.7	49.3
2451080.540	2.06	2.76	0.75	246.9	—	−11.5	−13.2	−33.2
2451081.581	2.07	—	—	—	—	−10.1	−9.1	−34.0
2451230.392	2.07	2.91	0.71	245.2	—	—	−13.7	−16.2
2451237.331	—	2.94	—	—	2.80	—	−11.1	−3.8
2451238.334	—	2.88	—	—	2.74	—	−5.8	−14.5
2451262.290	2.54	2.86	0.89	220.7	2.74	—	15.0	10.2
2451431.598	2.32	3.04	0.76	180.9	—	—	37.5	46.2
2451431.606	2.31	2.98	0.78	181.3	—	—	36.8	46.5
2451436.629	2.28	2.96	0.77	185.5	—	—	6.7	17.1
2451470.637	2.22	2.87	0.77	183.6	—	—	25.5	46.9
2451486.595	2.26	2.59	0.87	219.1	2.48	—	24.2	44.2
			HEROS spectra					
2448347.571	2.44	2.43	1.00	249.9	2.42	—	−4.6	19.0
2451045.655	2.63	3.55	0.74	247.5	—	6.7	−7.7	−15.5
2451053.700	2.72	3.49	0.78	231.3	—	8.7	−13.0	−13.7
2451086.624	2.32	3.31	0.70	237.7	—	−1.4	−19.7	−38.1
2451811.661	4.55	2.14	2.13	242.7	—	—	71.7	80.3
2451816.675	4.44	2.07	2.15	244.9	—	—	71.5	81.5
2451840.661	4.20	2.40	1.75	245.7	—	2.2	50.6	65.5
2451847.551	4.19	2.56	1.63	240.8	—	28.0	47.5	60.1
2451860.481	3.93	2.38	1.65	205.3	—	69.1	41.7	55.8
2451899.521	3.93	2.49	1.58	265.4	—	45.8	38.6	49.9
2451919.466	3.74	2.55	1.47	261.6	—	41.2	47.7	48.8
2452009.306	3.50	2.69	1.30	271.2	—	33.8	12.1	25.2
2452195.581	3.07	3.45	0.89	249.4	—	27.8	−5.3	6.9
2452197.658	3.02	3.42	0.88	251.0	—	31.1	−1.2	7.3
2452364.291	2.51	4.10	0.61	248.3	—	0.1	−21.4	−32.1
2452365.314	2.49	3.91	0.64	248.8	—	5.0	−24.6	−32.4
2452367.297	2.49	4.01	0.62	250.1	—	1.7	−24.3	−36.9
2452368.308	2.55	3.99	0.64	250.7	—	0.8	−24.2	−32.6
2452672.413	2.62	3.70	0.71	233.2	3.26	—	−24.1	−40.3
2452685.380	2.40	3.74	0.64	235.3	3.30	—	−23.5	−44.4
2452694.363	2.36	3.32	0.71	218.9	2.75	—	−12.1	−39.0
2452716.303	3.20	3.05	1.05	192.9	3.63	—	8.2	−15.2
2452725.311	3.19	3.32	0.96	213.7	3.28	—	18.5	−9.5

Table 9: Line parameters for 4 Her.

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
Coudé/Reticon spectra								
2451326.422	1.51	1.51	1.00	304.7	—	−16.6	−43.2	−14.4
2451339.386	1.43	1.39	1.03	312.4	—	−4.2	−18.4	−1.3
2451358.477	1.47	1.33	1.11	323.6	—	−9.8	—	37.0
2451363.462	1.50	1.45	1.03	308.4	—	−14.3	−41.0	−9.2
2451390.445	1.45	1.52	0.96	319.1	—	−18.0	−51.8	−14.9
2451401.473	1.37	1.42	0.97	309.8	—	−18.6	—	−19.6
2451668.505	1.72	1.74	0.99	262.8	—	−28.3	−29.2	−20.9
2451678.481	1.80	1.64	1.10	248.7	—	1.8	−21.3	−14.7
2451680.491	1.44	1.42	1.01	318.4	—	−13.7	−41.9	−13.2
2451715.415	1.76	1.75	1.01	260.4	—	−29.6	−35.8	−22.6
2451732.484	1.67	1.67	1.00	294.1	—	−2.7	−33.1	−18.2
HEROS spectra								
2451047.475	2.01	1.99	1.01	251.5	—	−22.5	−58.7	−18.3
2451059.328	1.85	1.91	0.97	250.0	—	−18.6	−33.4	−33.7
2451680.571	1.91	1.74	1.10	247.5	—	5.0	−78.4	−6.3
2451681.395	1.88	1.77	1.06	249.7	—	18.0	−19.6	−8.5
2451685.451	1.83	1.78	1.03	317.6	—	5.0	−30.0	−9.5
2451688.395	1.89	1.80	1.05	286.3	—	−6.2	−20.8	−14.0
2451691.371	1.90	1.84	1.03	253.0	—	−23.1	−61.5	−19.3
2451697.378	1.86	1.83	1.02	242.4	—	−18.7	−90.3	−28.8
2451698.427	1.84	1.81	1.02	250.0	—	−17.9	—	−33.2
2451700.397	1.90	1.85	1.03	252.8	—	−23.4	—	−31.1
2451704.409	1.84	1.85	1.00	253.0	—	−20.1	−0.6	−30.1
2451705.403	1.84	1.83	1.00	256.9	—	−19.9	—	−28.6
2451706.391	1.79	1.83	0.98	259.1	—	−20.0	—	−30.0
2451713.442	1.82	1.85	0.99	275.3	—	−26.0	−66.5	−22.0
2451714.405	1.83	1.87	0.98	251.2	—	−26.2	−28.8	−28.4
2451715.442	1.92	1.88	1.02	243.8	—	−22.5	−37.4	−22.0
2451769.362	1.99	1.84	1.08	244.6	—	−2.2	1.9	−16.8
2452030.451	1.81	1.86	0.97	253.7	—	−25.2	−0.2	−23.5
2452050.455	1.90	1.79	1.06	252.9	—	9.6	—	−11.3
2452052.393	1.81	1.76	1.03	253.4	—	9.1	−8.6	−12.9
2452059.417	1.90	1.85	1.03	274.1	—	−15.4	−14.8	−17.2
2452339.582	1.84	1.83	1.01	251.0	—	−11.1	−28.7	−12.5
2452345.605	1.84	1.80	1.02	248.1	—	−18.6	−16.4	−25.3
2452351.549	1.78	1.82	0.97	251.2	—	−23.8	−8.0	−22.8
2452363.483	1.88	1.80	1.04	244.5	—	−21.2	−52.0	−18.5
2452364.496	1.91	1.81	1.06	236.0	—	−19.9	−48.9	−16.2
2452367.461	1.94	1.78	1.09	233.7	—	−10.6	−13.1	−10.3
2452368.505	1.95	1.74	1.12	237.8	—	−8.7	6.9	2.4
2452369.476	1.98	1.73	1.14	243.5	—	−7.3	−41.4	−11.8
2452396.418	1.81	1.80	1.01	252.5	—	−17.9	−36.1	−20.8
2452397.409	1.78	1.82	0.98	256.7	—	−19.5	−59.5	−26.6
2452398.456	1.77	1.82	0.97	257.4	—	−25.4	−80.6	−28.8
2452404.414	1.81	1.85	0.98	288.8	—	−31.8	−66.0	−24.7
2452407.413	1.82	1.80	1.01	273.8	—	−24.6	−74.3	−19.2
2452408.422	1.84	1.82	1.01	249.8	—	−20.7	−52.7	−17.9
2452411.395	1.91	1.82	1.05	232.0	—	−15.6	−43.0	−14.9
2452430.424	1.89	1.86	1.02	248.3	—	−20.4	−73.3	−14.6
2452438.444	1.84	1.80	1.02	248.7	—	−17.6	−38.8	−19.2
2452452.396	1.83	1.83	1.00	265.9	—	−25.1	−35.6	−14.5

Table 9: continued

HJD	V peak $[I_{\rm violet}/I_{\rm cont}]$	R peak $[I_{\rm red}/I_{\rm cont}]$	V/R	peak sep. $[{\rm km\,s^{-1}}]$	C peak $[I_{\rm cent}/I_{\rm cont}]$	$v_{\rm H\alpha}$ $[{\rm km\,s^{-1}}]$	$v_{\rm HeI\,6678}$ $[{\rm km\,s^{-1}}]$	$v_{\rm SiII\,6347}$ $[{\rm km\,s^{-1}}]$
2452461.403	1.92	1.75	1.10	241.5	—	−6.7	−39.0	−13.4
2452685.677	1.79	1.76	1.01	254.9	—	−24.9	—	−17.0
2452694.610	1.85	1.69	1.09	248.4	—	−0.4	−48.8	−12.1
2452696.635	1.79	1.67	1.07	251.3	—	4.6	−20.8	−12.6
2452697.641	1.77	1.74	1.01	258.5	—	8.9	−42.3	−6.7
2452725.509	1.68	1.79	0.94	284.4	—	−30.8	−10.0	−19.2