

λ And

alternative names: HD 185107, SAO 53304, HR 8951, BD +15 1283, VS 1000
 coordinates (2000.0): 23°37'33.9", 18°27'23"
 linear ephemeris: Max L₁ = (JD 2429199.554) + 30

system parameters:
 type of binary: VEB, SB1
 eccentricity: 0.01
 masses (M₁): 6.01
 radii (R₁): 6.01
 spectral type: G8IV-III
 distance (pc): 23

activity parameters:
 Rossby days: 53.552
 ΔV (mag): 0.38
 flare luminosity (10³¹ erg/s): 0.371
 316 H index: (1.98) ± 0.18
 Cx II index: yes
 H α emission: 50% of maximum
 radio flux density (mJy): 0.75

photometric parameters:
 ROSAT 60-140Å (cts/sec): 137±10
 ROSAT 140-200Å (cts/sec): 180±17
 EUVE 100Å (cts/sec): 0.266±0.016
 EUVE 200Å (cts/sec): 0.009±0.010
 F_{UV} (erg/cm²/s): 7.79 10⁻¹⁴
 F_{UV} (erg/cm²/s): 2.38 10⁻¹⁴
 F_{UV} (erg/cm²/s): 6.12 10⁻¹⁴
 B-V: 0.63
 V-R: 1.01
 R-I: 3.7
 I-c: 0.78
 c: 9.32
 J: 4.615
 K: 6.77
 IRAS 118: 9.383
 IRAS 258: 2.335
 13.70
 3.29

additional references:
 Fekel F.C. and Elter J.J. (1982), *Astron. J.* 97, 1139-1143, Chromospherically active stars. VII. 29
Cepheids, HD 185107 = V1764 Cygnis, and binary synchronization
 Kirkpatrick I.D., Hall D.S., Lines H.C., Lines R.D., Fried R.E., Burke Jr. E.W., Louth H., Heine G.W.,
 Nelson P., McFaul T.G., Dool L.J., Geary R.M., Teegler J.V., Seitzer H.J., Burksdale J.W.S. and
 Miles R. (1987), *Astron. J.* 93, 427-429, Six years of photometry of HD 185107 = V1764 Cyg

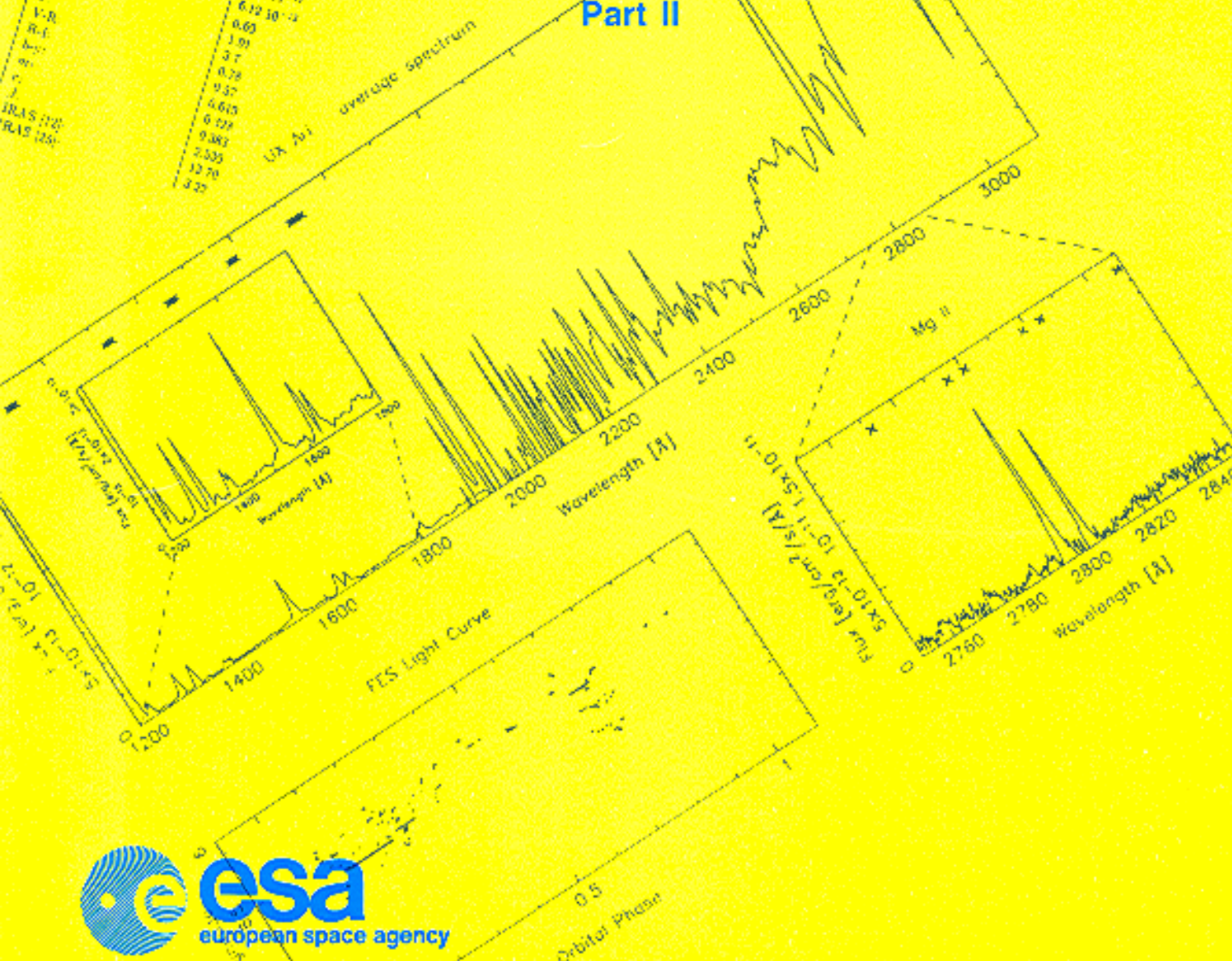
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Chromospherically Active Binary Stars

no.	cont.	range	dis	av	date	start abscissa	start JIT	end [mas]	WFLS	Shock start	Shock end	cycles since T ₀	quality
1	IWR	9537	L	*	81.1.7	0	0	80.00	7.62	0.0	0.41	3	E=11
2	IWR	9638	L	*	81.1.7	0	0	80.00	7.62	0.41	0.41	3	E=8
4	IWR	13547	H	*	82.6.7	0	0	2750	45.00	1.51	3.71	15	E=21
5	SWP	37651	L	*	85.1.10	0	0	210.00	7.96	0.19	0.26	81	E=11

Part II



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Chromospherically Active Binary Stars

Part II

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This is volume II of the IUE ULDA Access Guide No. 5 on Chromospherically Active Binary Stars (ESA SP 1181). With the current volume the information on these stars is complete with respect to the observations available in the IUE Archive until 31st December 1992.

The Editor

