

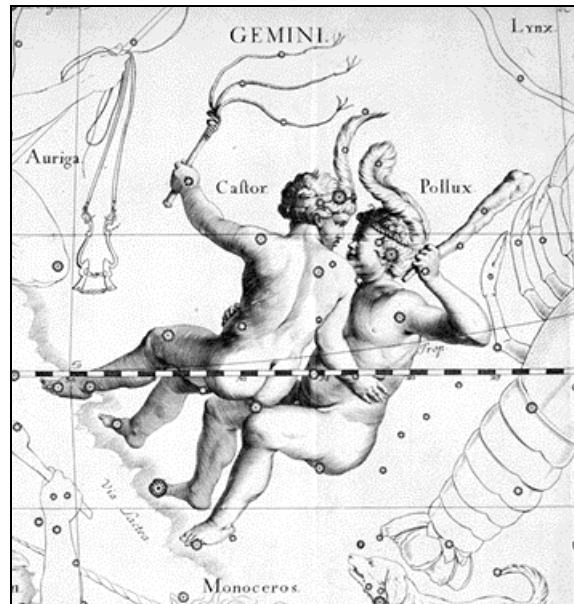
# **33 Doubles in Gemini**

## **AN OBSERVING PROGRAM**

by

**The Spirit of 33**

**An International Network of Double Stars Observers**



**\*\***

**2001-1 Edition**



# 33 Doubles in Gemini – The list

In this table you can see all the relevant data about the 33 doubles in Gemini.

Name	RA(J2000)	Dec(J2000)	mag*	sep*	PA*	DI	pg	chk
Struve 830	06h03m26s	+27°38'30"	8/8.5	12"	254	n/a	3	
Otto Struve 134	06h09m16s	+24°25'40"	7/8	31"	188	n/a	4	
Eta (Propus)	06h14m53s	+22°30'24"	3/6.5	1.5"	266	98	5	
Struve 889	06h19m52s	+25°00'49"	7/9.5	21.3"	237	n/a	6	
S 513	06h21m14s	+21°07'57"	8/9	59.4"	258	n/a	7	
Struve 897	06h22m26s	+26°40'08"	8/8.5	18"	348	n/a	8	
Struve 899	06h22m50s	+17°34'28"	7/8	2.0"	19	81.7	9	
Otto Struve 140	06h26m38s	+15°31'25"	7/9.5	2.8"	118	91	10	
South & Herschel 70	06h27m46s	+20°47'22"	6.6/8/12 .4	27.1"-77.7"	204-34	n/a	11	
Nu	06h28m59s	+20°12'44"	4/8.5	113"	329	n/a	12	
Otto Struve 141	06h30m01s	+17°54'24"	7.5/9.5	2.2"	142	87.5	13	
Otto Struve 145	06h32m21s	+15°42'22"	7/9.5	1.5"	338	97	14	
Struve 932	06h34m22s	+14°45'08"	8/8	1.8"	317	63	15	
Epsilon (Mebsuta)	06h43m56s	+25°07'52"	3/9	110"	94	n/a	16	
38	06h54m39s	+13°10'40"	5.5/7.5	7"	151	43.7	17	
Struve 991	06h57m04s	+24°56'52"	8/9/10.5	3.8"-134"	167-202	58-n/a	18	
Struve 1014	07h05m45s	+26°8'25"	8.5/8.5	2.0"	36	62	19	
Struve 1035	07h12m01s	+22°16'45"	7.5/7.5	8.7"	41	9	20	
Struve 1037	07h12m49s	+27°13'29"	7/7	1.2"	329	71.6	21	
Delta (Wasat)	07h20m07s	+21°58'56"	3.5/8	6.3"	218	83.5	22	
Struve 1083	07h25m35s	+20°29'43"	6.5/7.5	6.4"	44	42.25	23	
Struve 1088	07h26m02s	+14°06'00"	7/9	11.1"	195	n/a	24	
Struve 1089	07h26m12s	+14°50'25"	8.5/8.5	7.2"	8	13.2	25	
Struve 1090 – Struve 1090b	07h26m27s	+18°31'01"	7/8/8	60.8"-19.9"	10 97 320	n/a	26	
Struve 1094	07h27m26s	+15°19'00"	7.5/8.6	2.5"	96	77	27	
63	07h27m44s	+21°26'42"	5.5/9.5	42.9"	324	n/a	28	
Struve 1102	07h30m26s	+13°51'59"	7.5/9	7.6"	47	40	29	
Struve 1106	07h31m21s	+16°18'39"	8.5/8.5	10.6"	32	n/a	30	
Struve 1108	07h32m51s	+22°53'03"	6.5/8.5	11.5"	178	n/a	31	
Alpha (Castor)	07h34m36s	+31°53'19"	2.5/3.5/ 9	1.8"-72.5"	140-164	83-n/a	32	
Struve 1116	07h34m32s	+12°18'17"	7/7.5	1.8"	99	72	33	
Struve 1124	07h40m58s	+21°48'04"	8/8	19.4"	326	n/a	34	
Struve 1140	07h48m23s	+18°20'12"	7/8.5	6.3"	273	52.5	35	
Espin 2625 + PPM 97528 LE-1**	07h27m40s	+22°008'29"	6.7/12.1 /8.9	11.3"/35"	22-??	n/a	36	

## Notes:

(\*) sep, magnitudes and PAs are from Burnham's Celestial Handbook, so updated values can show some differences. Due to this, DI (Difficulty Index) are given for Burnham's data, and for example, since Castor is more opened than 1.8", the DI is more low than 83.

(\*\*)Espin 2625 + PPM 97528 was not originally on this observong program, but since a lot of members of the group noted this double while watching the total Moon Eclipse on 9<sup>th</sup> January 2001, we have named it as LE-1 (Lunar Eclipse)